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Frick, Frick & Jetté Architects

SUBJECT: ADDENDUM #1

Date: October 27, 2026

To: All Bidders

From: Rick Simper, Project Architect

Project: Site Work, Restroom & Fire Alarm Upgrades at Quail Valley Middle School
Snowline Joint Unified School District
FFJ Project No: SJ21-01
DSA File No.: 36-73 DSA Appl. No: 04-121057

The following changes, omissions, and/or additions to the specifications and/or drawings shall apply to proposals made for and to the execution of the various parts of the work affected thereby, and all the conditions shall remain the same.

Careful note of the addendum shall be taken by all parties of interest so that the proper allowances may be made in strict accordance with the Addendum and that all trades shall be fully advised in the performance of the work which will be required of them.

In case of conflict between drawings, specifications, and this addendum, this addendum shall govern.

Project Manual

1.01 The Specifications listed below from the architect (Frick, Frick & Jetté Architects) have been modified inside the revision clouds as described, issued as **EXHIBIT "A"** attached hereto and made a part of this **ADDENDUM 1**.

1. Replace Document 00 01 10 – Table of Contents

a. Removed the following sections, Contractor to refer to Bidding Procurement Manual:

1. 01 10 00 Summary
2. 01 20 00 Price and Payment Procedures
3. 01 30 00 Administration Requirement
4. 01 50 00 Temporary Facilities and Controls

b. Added 04 05 03 – Masonry Mortaring and Grouting

c. Added 04 20 16 – Reinforced Unit Masonry

d. Added 07 14 00 – Fluid Applied Waterproofing

e. Added 07 21 16 – Blanket Insulation

f. Added 07 62 00 – Sheet Metal Flashing and Trim

g. Removed 08 11 13 – Hollow Metal Doors and Frames

h. Updated title for 23 05 93 to match Specification Title

i. Removed 23 01 30 – Carrier EMS

j. Added 23 09 23 – Direct-Digital Control System for HVAC

2. Add Document 04 05 03 – Masonry Mortaring and Grouting

3. Add Document 04 20 16 – Reinforced Unit Masonry

4. Add Document 05 50 00 – Metal Fabrications

5. Add Document 07 14 00 – Fluid Applied Waterproofing

6. Add Document 07 21 16 – Blanket Insulation

7. Add Document 07 62 00 – Sheet Metal Flashing and Trim

8. Add Document 07 84 00 – Firestopping

9. Remove Document 08 11 13 – Hollow Metal Doors and Frames

- **a.** There are no new doors and frames on this project.

10. Remove Document 08 14 16 – Flush Wood Doors

- **a.** There are no new wood doors on this project.

11. Replace Document 08 71 00 – Door Hardware

- **a.** Item 1.7 Warranty – Updated warranty information
- **b.** Item 2.1.A Manufacturers – Updated key system to District standard.
- **c.** Item 2.2.F Hinging Methods – Changed "Stainless Steel" to "Non-ferrous".
- **d.** Item 2.2.F Continuous Hinges – Removed Geared type aluminum.
- **e.** Item 2.2.G Pivots – Removed
- **f.** Item 2.2.H Floor Closers - Removed

12. Replace Document 09 21 16 – Gypsum Board Assemblies

- **a.** Item 2.2 Gypsum Board Materials – Updated product names to match manufacturers data.
- **b.** Added Item 2.3 Gypsum Board Schedule

13. Replace Document 09 30 11 – Ceramic Tile Floor Finish

- **a.** Updated to be full-setting bed application.
- **b.** Added Shaw Contract as acceptable manufacturer.

14. Replace Document 09 30 12 – Ceramic Tile Wall Finish

- **a.** Updated to be full-setting bed application.
- **b.** Added Shaw Contract as acceptable manufacturer.
- **c.** Removed Glass Wall Tile.
- **d.** Removed Wainscot Cap.

15. Replace Document 09 90 00 – Painting and Coating

- **a.** Removed item 3.9 for Exterior Metal Roofing

16. Replace Document 10 14 00 – Signage

- **a.** Removed Cast Metal Plaques.
- **b.** Removed Metal Letters and Numbers.

17. Replace Document 10 21 15 – Plastic Toilet Compartments

- **a.** Updated to be floor to ceiling mounted.
- **b.** Item 2.5.D –Updated pilaster shoe to Stainless Steel.

18. Add Document 23 01 30 – Existing Duct Cleaning.

19. Add Document 23 09 23 – Direct-Digital Control System for HVAC

20. Replace Document 31 05 13 – Soils for Earthwork

- **a.** Removed reference to Geotechnical Report as there is not one for this project.

21. Replace Document 32 17 23 – Pavement Markings

- **a.** Item 2.1.A – Updated to 4" to match details.

DRAWINGS

1.02 The drawings listed below from the architect (Frick, Frick & Jetté Architects) have been modified inside the revision clouds as described, issued as **EXHIBIT "B"** attached hereto and made a part of this **ADDENDUM 1**.

1. Sheet CS-2 – SHEET INDEX, GENERAL NOTES & ABBREVIATIONS:

- **a.** Revised toilet symbols to show as wall mounted instead of floor mounted to the Symbols List.
- **b.** Changed drop transition symbol, chain link fencing, tube steel fencing and gate symbol wording on the Symbols List.
- **c.** Updated sheet index for the addition of (6) six new architectural sheets and sheet count.

2. Sheet G-1 – DEMOLITION PLAN

- **a.** Update to note 5 of demolition notes, hatch changed.

b. Missing linework added at stairs to be removed at front of school.
c. Note added to protect existing landscape rock.
d. Demolition of asphalt northwest of building 200 updated to match architectural drawings.
e. Extent of asphalt grinding north of accessible parking updated.
f. Dimensions added to concrete paving demolition west of building 700.
g. Ramps in front of Relo. Classrooms updated to match existing conditions.
h. Hatch shown at existing rock landscape area.
i. Demolition of handrails to east of admin. relo added at concrete paving to be removed.

3. Sheet G-2 – PRECISE GRADING PLAN
a. Update to note 8 of construction notes.
b. Notes 23, 24, & 25 added to construction notes.
c. Note 8 description updated at paving legend.
d. Note 25 Decomposed Granite added to paving legend.
e. Curb at sidewalk north of admin. relo updated to match architectural drawings.
f. Dimension added to the west of accessible ramp in front of school.

4. Sheet G-3 – PRECISE GRADING PLAN
a. Update to note 8 of construction notes.
b. Notes 23, 24, & 25 added to construction notes.
c. Note 8 description updated at paving legend.
d. Note 25 Decomposed Granite added to paving legend.
e. Hatch for decomposed granite added to area east of accessible ramp in front of school.
f. Dimension added to the west of accessible ramp in front of school.
g. Hatch shown at existing rock landscape area.

5. Sheet G-4 – PRECISE GRADING PLAN
a. Update to note 8 of construction notes.
b. Notes 23, 24, & 25 added to construction notes.
c. Note 8 description updated at paving legend.
d. Note 25 Decomposed Granite added to paving legend.
e. New handrails to east of admin. relo added at new concrete paving.
f. Ramps in front of Relo. Classrooms updated to match existing conditions.
g. Curb at sidewalk north of admin. relo updated to match architectural drawings.

6. Sheet G-5 – PRECISE GRADING PLAN
a. Update to note 8 of construction notes.
b. Notes 23, 24, & 25 added to construction notes.
c. Note 8 description updated at paving legend.
d. Note 25 Decomposed Granite added to paving legend.
e. Curb at sidewalk north of admin. relo updated to match architectural drawings.
f. New handrails to east of admin. relo added at new concrete paving.
g. Storm Drain Detail 'A' updated.

7. Sheet G-6 – PRECISE GRADING PLAN
a. Catch basin detail added.
b. Curb ramp details removed.
c. Truncated domes detail removed.
d. Update to note 8 of construction notes.
e. Notes 23, 24, & 25 added to construction notes.
f. Note 8 description updated at paving legend.
g. Note 25 Decomposed Granite added to paving legend.

8. Sheet G-7 – EROSION CONTROL PLAN
- **a.** Building identification added.
- **b.** Concrete drainage ribbon added at ramp area northeast of relocatable classrooms.
- **c.** Street name added.
- **d.** Lines showing approximate location of utilities added.

9. Sheet A-1 – OVERALL NEW SITE PLAN
- **a.** New concrete and D.G. added at access ramp at parking lot in the front of the school. .
- **b.** Building identification and A#56614 added to Building 200 and hatching updated to distinguish between building and mechanical areas.
- **c.** Building 300 hatching updated to distinguish between building and mechanical areas.
- **d.** Building 500 hatching updated to distinguish between building and mechanical areas.
- **e.** Building 600 hatching updated to distinguish between building and mechanical areas.
- **f.** Building 700 hatching updated to distinguish between building and mechanical areas.
- **g.** Building 800 hatching updated to distinguish between building and mechanical areas.
- **h.** Hatching added to all Relo. Classrooms and Relo. Admin. to identify where work is being done.
- **i.** Building identification added for Teacher lounge Relo.
- **j.** A# for existing shade canopies revised.
- **k.** Note on Detail 29 updated to clarify the Fire Alarm work being done.
- **l.** Restroom Legend updated – B1 and G1 were revised to B and G to match plan.

10. Sheet A-2 – ENLARGED DEMO SITE PLAN
- **a.** Updated keynote 1-14, 1-15, 1-17, 2-5 & 2-12 on Site Plan Keynotes.
- **b.** Added keynotes 1-20 to 1-28 & 2-13 to 2-19 on Site Plan Keynotes.
- **c.** Added street name to Detail 29.
- **d.** Updated and added keynotes at various locations to provide clarity to the scope of work being done to Detail 29.
- **e.** Added hatching to buildings where Fire Alarm work is being done to Detail 29.
- **f.** Added existing concrete paving to be removed Northwest of building 700 in Detail 29.
- **g.** Added existing rock landscaping to remain along Yucca Terrace Drive on Detail 29.
- **h.** Removed reference to Detail 16/A-12, because the detail was duplicate information and same scale as sheet A-2.

11. Sheet A-3 – ENLARGED NEW SITE PLAN
- **a.** Updated keynote 1-14, 1-15, 1-17 on Site Plan Keynotes.
- **b.** Added keynotes 1-20 to 1-28 & 3-18 to 3-22 on Site Plan Keynotes.
- **c.** Updated keynotes 3-2 & 3-4 with detail callouts.
- **d.** Updated seal coat description on Site Plan Legend.
- **e.** Added Parking Space Count and soil compaction note to the Site Plan legend.
- **f.** Added hatching to buildings where Fire Alarm work is being done to Detail 29.
- **g.** Updated and added keynotes at various locations to provide clarity to the scope of work being done to Detail 29.
- **h.** Existing curbs, dirt area, concrete ramp and truncated domes, and asphalt to remain.
- **i.** Added existing rock landscaping to remain along Yucca Terrace Drive on Detail 29.
- **j.** Added new concrete paving Northwest of Building 700 in Detail 29.
- **k.** Added Yucca Terrace Drive street name to drawings.

12. Sheet A-4 – ENLARGED DEMO SITE PLANS
- **a.** Updated keynote 1-14, 1-15, 1-17, 2-5 & 2-12 on Site Plan Keynotes.
- **b.** Added keynotes 1-20 to 1-28 & 2-13 to 2-19 on Site Plan Keynotes.
- **c.** Added notes to project, "Existing irrigation at existing planters that are being modified".

d. Updated and added keynotes at various locations to provide clarity to the scope of work being done to Detail 29.
e. Added existing ground mount architectural lights to be removed in concrete paving area North of Building 200.
f. Extended asphalt paving removal West of passenger drop-off being removed.
g. Extended concrete paving being removed at Mechanical Area/Room 218, North of Building 200.
h. Revised concrete paving being removed at Mechanical Area/Room 219, North of Building 200.
i. HVAC Demolition note added to Detail 29 (Lower Left corner).
j. Added hatching to buildings where Fire Alarm work is being done to Detail 29.
k. Added keynote 1-19 to identify the gas meter location in Mechanical Area 219.

13. Sheet A-5 – ENLARGED DEMO SITE PLANS
a. Updated keynote 1-14, 1-15, 1-17, 2-5 & 2-12 on Site Plan Keynotes.
b. Added keynotes 1-20 to 1-28 & 2-13 to 2-19 on Site Plan Keynotes.
c. Updated and added keynotes at various locations to provide clarity to the scope of work being done to Detail 29.
d. Added dimensions for construction purposes.
e. Added existing canerails to be removed at Relo. Admin. Building.
f. Added existing utility vaults/boxes in various locations.
g. Added hatching to buildings where Fire Alarm work is being done to Detail 29.

14. Sheet A-6 – ENLARGED DEMO SITE PLANS
a. Updated keynote 1-14, 1-15, 1-17, 2-5 & 2-12 on Site Plan Keynotes.
b. Added keynotes 1-20 to 1-28 & 2-13 to 2-19 on Site Plan Keynotes.
c. Added keynotes 1-2, 1-3 & 1-15 to Detail 29.
d. Added dimensions for construction purposes.
e. Added hatching to buildings where Fire Alarm work is being done to Detail 29.
f. Added notes to identify existing storm drain inlets and existing sewer clean-out to plan.

15. Sheet A-7 – ENLARGED NEW SITE PLANS
a. Updated keynote 1-14, 1-15, 1-17 on Site Plan Keynotes.
b. Added keynotes 1-20 to 1-28 & 3-18 to 3-22 on Site Plan Keynotes.
c. Updated keynotes 3-2 & 3-4 with detail callouts.
d. Updated and added keynotes at various locations to provide clarity to the scope of work being done to Detail 29.
e. Added dimensions for construction purposes.
f. Dimensions not needed were removed.
g. Updated seal coat description on Site Plan Legend.
h. Added Soil Compaction note to the Site Plan legend.
i. HVAC layout note added to Detail 29 (Lower Center).
j. Added Turf & Irrigation note to Detail 29 (Middle Center).
k. Irrigation pipes added at planter areas North of Building 200 and adjacent to accessible parking to Detail 29.
l. Detail Callouts and Detail Elevations added at various locations on Detail 29 for construction purposes.
m. Passenger Drop-off updated with a Detail Callout.

16. Sheet A-8 – ENLARGED NEW SITE PLANS
a. Updated keynote 1-14, 1-15, 1-17 on Site Plan Keynotes.
b. Added keynotes 1-20 to 1-28 & 3-18 to 3-22 on Site Plan Keynotes.
c. Updated keynotes 3-2 & 3-4 with detail callouts.

d. Updated and added keynotes at various locations to provide clarity to the scope of work being done to Detail 29.
e. Added section callout 24/A-16 to ramp.
f. Added detail callout 26/AD-1 to ramps.
g. Updated seal coat description on Site Plan Legend.
h. Added Soil Compaction note to the Site Plan legend.
i. Detail Callouts added at various locations on Detail 29 to clarify pavement transitions.

17. Sheet A-9 – ENLARGED NEW SITE PLANS
a. Updated keynote 1-14, 1-15, 1-17 on Site Plan Keynotes.
b. Added keynotes 1-20 to 1-28 & 3-18 to 3-22 on Site Plan Keynotes.
c. Updated keynotes 3-2 & 3-4 with detail callouts.
d. Updated and added keynotes at various locations to provide clarity to the scope of work being done to Detail 18.
e. Added dimensions for construction purposes.
f. Updated seal coat description on Site Plan Legend.
g. Added Soil Compaction note to the Site Plan legend.
h. Detail Callouts added at various locations on Detail 18 to clarify pavement transitions.
i. Added hatching to buildings where Fire Alarm work is being done to Detail 18.
j. Updated notes at paving to be 5% max. in direction of travel.
k. Added +/- to various dimensions around existing site utilities.
l. Added notes to identify existing storm drain inlets and existing sewer clean-out to plan.

18. Sheet A-10 – ENLARGED DEMO SITE PLAN
a. Updated keynote 1-14, 1-15, 1-17, 2-5 & 2-12 on Site Plan Keynotes.
b. Added keynotes 1-20 to 1-28 & 2-13 to 2-19 on Site Plan Keynotes.
c. Site Plan Legend moved to new location on sheet to make room for keynote changes.
d. Added existing rock landscaping to remain along Yucca Terrace Drive.
e. Existing sidewalk note added.
f. Extended asphalt paving removal West of passenger drop-off being removed.

19. Sheet A-11 – ENLARGED DEMO SITE PLAN
a. Updated keynote 1-14, 1-15, 1-17, 2-5 & 2-12 on Site Plan Keynotes.
b. Added keynotes 1-20 to 1-28 & 2-13 to 2-19 on Site Plan Keynotes.
c. Updated and added keynotes at various locations to provide clarity to the scope of work being done to Detail 29.
d. Site Plan Legend moved to new location on sheet to make room for keynote changes.
e. Extended asphalt paving removal West of passenger drop-off being removed.

20. Sheet A-12 – ENLARGED DEMO SITE PLAN
a. Removed detail 16, because the detail was duplicated information and the same scale as sheet A-2.

21. Sheet A-13 – ENLARGED NEW SITE PLAN
a. Updated keynote 1-14, 1-15, 1-17 on Site Plan Keynotes.
b. Added keynotes 1-20 to 1-28 & 3-18 to 3-22 on Site Plan Keynotes.
c. Updated keynotes 3-2 & 3-4 with detail callouts.
d. Updated and added keynotes at various locations to provide clarity to the scope of work being done to Detail 28 for truncated domes, pvc irrigation sleeves and existing concrete curb.
e. Updated dimensions for construction purposes.
f. Dimensions not needed were removed.
g. Updated seal coat description on Site Plan Legend.

h. Added Soil Compaction note to the Site Plan legend.
i. Added existing rock landscaping to remain along Yucca Terrace Drive.
j. D.G. added as replacement for existing stairs removed.
k. Decomposed Granite note added in Detail 5.
l. Identified solar carports.
m. Identified ramps and landings.
n. Added section callouts at ramps.

22. Sheet A-14 – ENLARGED NEW SITE PLAN
a. Updated keynote 1-14, 1-15, 1-17 on Site Plan Keynotes.
b. Added keynotes 1-20 to 1-28 & 3-18 to 3-22 on Site Plan Keynotes.
c. Updated keynotes 3-2 & 3-4 with detail callouts.
d. Added keynotes for underground utility vaults.
e. Added keynote 3-17 for handrail extension at top of ramp.
f. Updated dimensions for construction purposes.
g. Updated seal coat description on Site Plan Legend.
h. Added Soil Compaction note to the Site Plan legend.
i. Section callouts added to ramp.
j. Landscape note added to Detail 21.
k. Removed keynote 3-8 that was pointing to nothing.
l. Identified solar carports.
m. Identified no parking areas.
n. Identified ramps and landings.

23. Sheet A-15 – ENLARGED NEW SITE PLAN
a. Updated keynote 1-14, 1-15, 1-17 on Site Plan Keynotes.
b. Added keynotes 1-20 to 1-28 & 3-18 to 3-22 on Site Plan Keynotes.
c. Updated keynotes 3-2 & 3-4 with detail callouts.
d. Updated and added keynotes at various locations to provide clarity to the scope of work being done to Detail 17, including existing steel ramps at relo classrooms, keynotes 1-1, 1-2, 1-11, 1-13, 1-17, 1-20, 1-21 & 3-4.
e. Added dimensions for construction purposes.
f. Updated seal coat description on Site Plan Legend.
g. Added Soil Compaction note to the Site Plan legend.
h. Ramps at Relo. Classrooms, South of Parking Lot have been added back in lieu of concrete ramps to be adjusted as required to comply with ramp slopes.
i. Added section and detail callouts to ramp on Detail 27.
j. Identified ramp and landings on Detail 27.
k. Concrete ribbon gutter added to Detail 27.
l. Added dimensions to Detail 27.

24. Sheet A-15.1 – ENLARGED NEW SITE PLAN & RAMP SECTIONS
a. New sheet added, Detail 6/A-15.1 and Detail 8/A-15.1 were Sections of Ramp in Detail 9 were added to this sheet as they were missing in the approved plans.

25. Sheet A-16 – SITE PLAN RAMP SECTIONS
a. Detail 2:
1. Added detail callouts for footings.
b. Detail 6:
1. Added detail callouts for footings.
c. Detail 8:

1. Added detail callouts for footings.

d. Detail 17:
1. Note added to identify no curb.

e. Detail 21:
1. New detail to clarify profile of ramp.

f. Detail 24:
1. New detail to clarify profile of ramp.

g. Detail 30:
1. New detail to clarify profile of ramp.

26. Sheet A-17 – BUILDINGS 300, 500, 600 AND 700 – HVAC DEMO FLOOR PLANS

a. Detail 14:
1. Added keynotes to identify existing elements to remain and existing elements to be demolished.
2. Added dimensions for extents of demo of concrete paving.
3. Added building identification.

b. Detail 15:
1. Added keynotes to identify existing elements to remain and existing elements to be demolished.
2. Added dimensions for extents of demo of concrete paving.
3. Added building identification.

c. Detail 17:
1. Added keynotes to identify existing elements to remain and existing elements to be demolished.
2. Added dimensions for extents of demo of concrete paving.
3. Added building identification.

d. . Detail 29:
1. Added keynotes to identify existing elements to remain and existing elements to be demolished.
2. Added dimensions for extents of demo of concrete paving.
3. Added building identification.
4. Added missing transformer.

e. Updated keynotes 4-7, 4-8, 4-11, 5-1, 5-3, 5-4, 5-15, & 5-17 on Floor Plan Keynotes.

f. Added keynotes 4-16 to 4-21 & 5-19 to 5-21on Floor Plan Keynotes.

g. Wall Legend updated.

27. Sheet A-18 – BUILDINGS 300, 500, 600 AND 700 – HVAC NEW FLOOR PLANS

a. Detail 14:
1. Added keynotes to identify existing elements to remain and elements to be new.
2. Added dimensions to locate new mechanical units.
3. Added building identification.

b. Detail 15:
1. Added keynotes to identify existing elements to remain and elements to be new.
2. Added dimensions to locate new mechanical units.
3. Added building identification.

c. Detail 17:
1. Added keynotes to identify existing elements to remain and elements to be new.
2. Added dimensions to locate new mechanical units.
3. Added building identification.

d. Detail 29:

1. Added keynotes to identify existing elements to remain and elements to be new.
2. Added dimensions to locate new mechanical units.
3. Added building identification.
4. Added missing transformer.

e. Updated keynotes 4-7, 4-8, 4-11, 6-1, 6-2, & 6-6 on Floor Plan Keynotes.
f. Added keynotes 4-16 to 4-21 & 6-11 to 6-13 on Floor Plan Keynotes.
g. Wall Legend updated.

28. Sheet A2.1 – BUILDING 200 – OVERALL FLOOR PLAN
a. Updated keynotes 4-7, 4-8, 4-11, 6-1, 6-2, & 6-6 on Floor Plan Keynotes.
b. Added keynotes 4-16 to 4-21 & 6-11 to 6-13 on Floor Plan Keynotes.
c. Demolition keynotes added.
d. Wall Legend updated.
e. Detail 23:
1. Mechanical Areas, Men's, Women's & Lobby now have separate detail callouts for additional enlarged floor plans to provide clarity to scope of work being done.
2. Detail callout for enlarged floor plan at Administration Area provided for additional work being done in that area.
3. Floor Plan revised in Administration Area and Ktichen Area to match existing Conditions.
4. Keynotes removed where they are used on enlarged plans.
5. Door Symbols added for clarity for construction purposes.
6. Notes added in hatched area "NO NEW WORK" for construction purposes.
7. Ceiling heights and type added for clarity to scope of work for construction purposes.

f. Detail 26:
1. Lobby 201 Enlarged Demo Floor Plan added.

g. Detail 28:
1. Lobby 201 Enlarged New Floor Plan added.

29. Sheet A2.2 – BUILDING 200 – ENLARGED RESTROOM FLOOR PLANS – DEMO AND NEW
a. Detail 1 & 2 have been revised and broken up into larger scale floor plans. Only the restroom floor plans are shown on this sheet, the lobby and mechanical areas have been moved to a new sheet. Lobby is on sheet A2.1 and Mechanical Areas are on new sheet A2.2a.
b. Detail 1: Men's Restroom 203
1. Enlarged Demo Floor Plan added; this plan is at a larger scale to provide clarity to scope of work.
2. Additional keynotes and detail added.

c. Detail 2: Women's Restroom 202
1. Enlarged Demo Floor Plan added; this plan is at a larger scale to provide clarity to scope of work.
2. Additional keynotes and detail added.

d. Detail 3: Men's Restroom 203
1. Enlarged New Floor Plan added; this plan is at a larger scale to provide clarity to scope of work.
2. Additional keynotes and detail added.
3. Added dimensions.
4. Added detail callouts.

e. Detail 4: Women's Restroom 202
1. Enlarged New Floor Plan added; this plan is at a larger scale to provide

clarity to scope of work.
2. Additional keynotes and detail added.
3. Added dimensions.
4. Added detail callouts.

f. Detail 5: Men's Restroom 203
1. Enlarged Reflected Ceiling Plan added; this plan is at a larger scale to provide clarity to scope patch & repair work being done to ceiling.

g. Detail 6: Women's Restroom 202
1. Enlarged Reflected Ceiling Plan added; this plan is at a larger scale to provide clarity to scope patch & repair work being done to ceiling.

h. Updated keynotes 4-7, 4-8, 4-11, 5-1, 5-3, 5-4, 5-15, 5-17, 6-1, 6-2, & 6-6 on Floor Plan Keynotes.

i. Added keynotes 4-16 to 4-21, 5-19 to 5-21 & 6-11 to 6-13 on Floor Plan Keynotes.

j. Wall Legend updated.

k. Floor plan notes have been added.

l. Suspended gypsum board ceiling notes have been added.

m. Toilet accessories keynotes have been revised, accessories not used lined out, new accessories added and notes updated.

30. Sheet A2.2a – BUILDING 200 – ENLARGED MECHANICAL AREA FLOOR PLAN – DEMO AND NEW

a. New sheet added.

b. Floor plan keynotes and wall legend added.

c. Detail 8: Mechanical 218
1. Enlarged Demo Floor Plan added; this plan is at a larger scale to provide clarity to scope of work.
2. Keynotes added.
3. Dimensions added.

d. Detail 11: Mechanical 219
1. Enlarged Demo Floor Plan added; this plan is at a larger scale to provide clarity to scope of work.
2. Keynotes added.
3. Dimensions added.

e. Detail 26: Mechanical 218
1. Enlarged New Floor Plan added; this plan is at a larger scale to provide clarity to scope of work.
2. Keynotes added.
3. Added dimensions.
4. Added detail callouts.

f. Detail 29: Mechanical 219
1. Enlarged Demo Floor Plan added; this plan is at a larger scale to provide clarity to scope of work.
2. Keynotes added.
3. Added dimensions.
4. Added detail callouts.

31. Sheet A2.2b – BUILDING 200 – ENLARGED ADMIN FLOOR PLAN – DEMO & NEW

a. New sheet added.

b. Floor plan keynotes, interior elevation keynotes, window notes and wall legend added.

c. Detail 14:
1. Enlarged admin demo floor plan added to show work being done in that area.

2. Keynotes and notes added.

d. Detail 16:
1. Enlarged admin new floor plan added to show work being done in that area.
2. Keynotes, dimensions, elevation callouts and notes added.

e. Detail 19: Entry Vestibule – 209
1. Interior elevation added to show pass-thru window work being done on wall.

f. Detail 21: Reception/Office – 215
1. Interior elevation added to show pass-thru window work being done on wall.

g. Detail 26: Reception Lobby – 216
1. Interior elevation added to show pass-thru window work being done on wall.

32. Sheet A2.3 – BUILDING 200 – INTERIOR ELEVATIONS – RESTROOMS

a. Interior elevations completely revised.

b. Updated keynotes 19-2 to 19-4, 19-8 to 19-10, 21-1, 21-3, 21-4, 21-6 to 21-13 Interior Elevation Keynotes.

c. Added keynotes 19-14 to 19-17 and Demolition Keynotes Interior Elevation Keynotes.

d. Detail 4: Women's Restroom – 202
1. Updated to match existing and new conditions to provided clarity to scope of work.
2. Keynotes added that were missing or in wrong place
3. Dimensions added for patch & repair of wall surfaces
4. Toilet accessories shown correctly.

e. Detail 10: Men's Restroom – 203
1. Updated to match existing and new conditions to provided clarity to scope of work.
2. Keynotes added that were missing or in wrong place.
3. Dimensions added for patch & repair of wall surfaces.
4. Toilet accessories shown correctly.

33. Sheet A6.1– BUILDING 600 – OVERALL FLOOR PLAN

a. Detail 29:
1. Various keynotes not needed removed for clarity.
2. Keynotes added that were missing.
3. Notes added in hatched area "NO NEW WORK" for construction purposes.
4. Ceiling heights added for clarity to scope of work for construction purposes.

b. Updated keynotes 4-7, 4-8, 4-11, 5-1, 5-3, 5-4, 5-15, 5-17, 6-1, 6-2, & 6-6 on Floor Plan Keynotes.

c. Added keynotes 4-16 to 4-21, 5-19 to 5-21 & 6-11 to 6-13 on Floor Plan Keynotes.

d. Wall Legend added.

34. Sheet A6.2 – BUILDING 600 – ENLARGED RESTROOM FLOOR PLANS – DEMO & NEW

a. Detail 21:
1. Various keynotes for demo and existing added to clarify scope of work to be done.
2. Hatch added to walls where finish to be removed down to bare studs for construction purposes.
3. Note added to detail.

b. Detail 23:
1. Various keynotes for new and existing added to clarify scope of work to be done.
2. Hatch added to walls where new finish to be added for construction purposes.

3. Missing dimensions added for construction purposes.
4. Detail callouts added for construction purposes.
5. Note added to detail.

c. Updated keynotes 4-7, 4-8, 4-11, 5-1, 5-3, 5-4, 5-15, 5-17, 6-1, 6-2, & 6-6 on Floor Plan Keynotes.
d. Added keynotes 4-16 to 4-21, 5-19 to 5-21 & 6-11 to 6-13 on Floor Plan Keynotes.
e. Wall Legend updated.
f. Toilet accessories keynotes have been revised, accessories not used lined out, new accessories added and notes updated.

35. Sheet A6.3 – BUILDING 600 – INTERIOR ELEVATIONS – RESTROOMS

a. Interior elevations expanded and completely revised, missing elevations added. Detail 4 has been changed to Detail 11 and Detail 11 has been changed to Detail 21.
b. Updated keynotes 19-2 to 19-4, 19-8 to 19-10, 21-1, 21-3, 21-4, 21-6 to 21-13 Interior Elevation Keynotes.
c. Added keynotes 19-14 to 19-17 and Demolition Keynotes Interior Elevation Keynotes.
d. Detail 11:
1. Updated to match existing and new conditions to provided clarity to scope of work.
2. Elevations E and F added.
3. Keynotes added that were missing or in wrong place.
4. Dimensions added for patch & repair of wall surfaces.
5. Toilet accessories shown correctly.

e. Detail 23:
1. Updated to match existing and new conditions to provided clarity to scope of work.
2. Elevations E and F added.
3. Keynotes added that were missing or in wrong place.
4. Dimensions added for patch & repair of wall surfaces.
5. Toilet accessories shown correctly.

f. Toilet accessories keynotes have been revised, accessories not used lined out, new accessories added and notes updated.

36. Sheet SCH-1 – DOOR AND FINISH SCHEDULES

a. Door and Interior Finish Schedule have been updated and expanded. Details added for construction purposes.
b. Detail 18:
1. Interior finish schedule updated to include work being done in the rooms in the administration area shown on sheet A2.1.
2. Rooms 209, 214, & 215 added to interior finish schedule.
3. Descriptions for various finishes have been updated in the finish key schedule.

c. Detail 22:
1. Door schedule updated to include all of the doors in Building 200 and Building 600 where interior work is being done for clarity in the scope of work for construction purposes.

d. Detail 25:
1. HEAD JAMB @ PASS-THRU WINDOW detail added.

e. Detail 26:
1. SIDE JAMB @ PASS-THRU WINDOW detail added.

f. Detail 28:
1. SILL @ PASS-THRU WINDOW AND COUNTER detail added.

37. Sheet AD-1 – DETAIL SHEET

a. Detail 1:
1. Dimensions and notes updated.
2. Added smooth dowel at expansion joint.
3. Added not for control and expansion joints.

b. Detail 2:
1. Dimension and notes updated for expansion felt locations.

c. Detail 3:
1. Dowel note updated.
2. Missing detail callout added.

d. Detail 4:
1. Missing detail callout added.
2. Changed concrete edge radius to match Detail 2/AD-1.

e. Detail 6:
1. Added note for larger cracks.
2. Updated note on paint removal.

f. Detail 7:
1. Dimension added.

g. Detail 14:
1. PVC SLEEVE DETAIL added for landscaped areas.

h. Detail 16:
1. Note added to identify curb or painted stripes.
2. Detail callout added.

i. Detail 17:
1. (TYP.) CONCRETE CURB AT SIDEWALK detail added.

j. Detail 20:
1. Section B-B updated on accessible sidewalk ramp detail.
2. Detail callout added.
3. Note on Section B-B updated.

k. Detail 21:
1. TRUNCATED DOMES AT BASE OF CONCRETE CURB RAMP detail added.

l. Detail 23:
1. (TYP.) CONCRETE CURB AT PLANTER detail added.

m. Detail 24:
1. Notes added for ac paving to be flush.
2. Added leader identifying zero curb face.
3. Updated handrail note to be for cane rail.

n. Detail 25:
1. Notes updated and added.
2. Dimension updated.
3. Curb shown.

o. Detail 26:
1. Increased depth of pipe sleeve to 8".
2. Added plate at bottom of sleeve.

p. Detail 27:
1. Updated detail reference to new detail matching actual conditions.

q. Detail 28:
1. Notes updated.
2. Detail callouts added.
3. Detail title updated.

r. Detail 29:
1. Notes updated.
2. Detail callouts added.
3. Detail title updated.

s. Detail 30:
1. RAILING SLEEVE SECTION @ PASSENGER DROP-OFF detail added to match actual conditions.

38. Sheet AD-2 – DETAIL SHEET

a. Detail 1:
1. Added dimension.
2. Added compaction note.
3. Added note for concrete or ac paving.

b. Detail 3:
1. Notes added for sheet metal coping.

c. Detail 4:
1. Detail updated to reflect mechanical anchorage details.
2. Notes updated to reflect mechanical anchorage details.
3. Dimensions updated.
4. Detail callout added.

d. Detail 5:
1. Detail updated to reflect mechanical anchorage details.
2. Notes updated to reflect mechanical anchorage details.
3. Dimensions updated.
4. Detail callout added.

e. Detail 6:
1. Notes updated.
2. Changed #4 bar to #5 bar.
3. Identified finish grade.
4. Changed edge from ¾" chamfer to ¼" radius.
5. Removed hairpins.
6. Changed slab reinforcing to match other details.

f. Detail 9:
1. Note removed as it is not applicable to this project.

g. Detail 10:
1. Note updated, there is no foundation plan.

h. Detail 11:
1. Changed concrete edge chamfer to radius.
2. Added diameter of sleeve.
3. Updated note for concrete paving.

i. Detail 12:
1. Notes updated.
2. Changed #4 bar to #5 bar.
3. Identified finish grade.
4. Changed edge from ¾" chamfer to ¼" radius.
5. Removed hairpins.
6. Changed slab reinforcing to match other details.

j. Detail 13:
1. Detail updated to reflect conditions shown in Detail 6/AD-2 & Detail 12/AD-2.
2. Detail callouts added.

k. Detail 14:
1. EAST ELEVATION AT MECHANICAL 219 detail added.

l. Detail 16:
1. NORTH ELEVATION AT MECHANICAL 219 detail added.

m. Detail 17:
1. WEST ELEVATION AT MECHANICAL 219 detail added.

n. Detail 18:

1. CLOSURE AT C.M.U. WALL detail added.

o. Detail 19:
1. (TYP.) RAMP CROSS SECTION AT BUILDING detail added.

p. Detail 22:
1. (TYP.) RAMP SECTION AT BUILDING detail added.

q. Detail 23:
1. A.C.PAVING CRACK REPAIR detail added.

r. Detail 24:
1. CONCRETE SLAB AT (E) WALL added.

s. Detail 27:
1. (TYP.) RAMP SECTION AT BUILDING detail added.

39. Sheet AD-4 – DETAIL SHEET
- **a.** New sheet added for details for patch & repair to existing gyp-board suspended ceiling in Building 200 and Building 600 restrooms.

40. Sheet AD-5 – DETAIL SHEET
- **a.** New sheet added for details for patch & repair to existing gyp-board suspended ceiling in Building 200 and Building 600 restrooms.

41. Sheet AD-6 – DETAIL SHEET
- **a.** New sheet added for details for new walls and new tile on walls in Building 200 and Building 600 restrooms.

42. Sheet P0.1 – PLUMBING GENERAL NOTES AND LEGEND
- **a.** Updated general notes.

43. Sheet P0.2 – PLUMBING SCHEDULES
- **a.** Removed TP-1 trap primer and WHA-1 water hammer arrestor from plumbing fixture schedule.

44. Sheet PD2.1 – PLUMBING BUILDING 200 – DEMO FLOOR PLAN
- **a.** Updated construction note #12.

45. Sheet PD6.1 – PLUMBING BUILDING 600 – DEMO FLOOR PLAN
- **a.** Updated water closet in girl's restroom to be removed.

46. Sheet P2.1 – PLUMBING BUILDING 200 – NEW FLOOR PLAN
- **a.** Clarified construction note #9.
- **b.** Provided references to construction notes #4, #5, and #6.
- **c.** AC unit shifted due to new manufacture specified. See mech. drawings.

47. Sheet P3.1 – PLUMBING BUILDING 300 – NEW FLOOR PLAN
- **a.** Corrected leader line at construction notes #5.
- **b.** Provide references to construction notes #2, #3, and #4.
- **c.** AC unit shifted due to new manufacture specified. See mech. drawings.

48. Sheet P5.1 – PLUMBING BUILDING 500 – NEW FLOOR PLAN
- **a.** Provide references to construction notes #1, #2, #3, and #4.
- **b.** AC unit shifted due to new manufacture specified. See mech. drawings.

49. Sheet P6.1 – PLUMBING BUILDING 600 – NEW FLOOR PLAN
- **a.** Updated construction notes #4, is now #5.

b. Provide references to construction notes #3, #4, and #8.
c. AC unit shifted due to new manufacture specified. See mech. drawings.

50. Sheet P7.1 – PLUMBING BUILDING 700 – NEW FLOOR PLAN
a. TP-1 provided references to construction notes #1, #4, and #5.
b. AC unit shifted due to new manufacture specified. See mech. drawings.

51. Sheet P8.1 – PLUMBING DETAILS
a. Detail 2:
1. Provided pipe support on roof detail.
2. Provided reference to material schedule on notes.
b. Detail 3:
1. Provided reference for trap at ac unit on roof detail.
c. Detail 5:
1. Provided condensate drain termination detail.

52. Sheet M0.1 – MECHANICAL GENERAL NOTES AND LEGEND
a. Revised note #11 in general notes, controls.
b. Added the following note to general note #10 "EXISTING DSA #56614 TAB AIR…".

53. Sheet M0.2 – MECHANICAL SCHEDULES
a. All new units in packaged gas/electric air conditioner schedule have been replaced with new models.

54. Sheet MD2.1 – MECHANICAL BUILDING 200 FLOOR PLAN – DEMO
a. Demolition keynote 1 revised for "FRAME" to be removed.
b. Demolition keynote 11 revised to "existing air devices…".
c. Demolition keynote 4 revised to "contractor" removing "general".
d. Demolition keynote 5 revised to "contractor to record…".
e. Demolition keynote 7 added for "existing partial ductwork to be removed and replaced with new."
f. Demolition note #7 and #9 added section 23 01 30.51.
g. New keynote on AC-12.
h. Revised demolition keynote #10 to add "EXISTING DSA #56614 TAB AIR…".
i. Demolition keynote #5 changed to "Not Used."
j. Revised demolition keynote #4 to read "Existing concrete pad to be removed."
k. New keynote on AC-1 and AC-2.

55. Sheet MD3.1 – MECHANICAL BUILDING 300 FLOOR PLAN – DEMO
a. Demolition keynote 1 revised for "FRAME" to be removed.
b. Demolition keynote 3 revised for "concrete pad" to be removed.
c. Demolition keynote 4 revised for existing ductwork to remain and reused.
d. Revised demolition keynote #6 to add "EXISTING DSA #56614 TAB AIR…".
e. Demolition keynote #7 added for "existing partial ductwork to be removed and replaced with new."
f. Demolition note #4 revised to "contractor", removing "general".
g. Demolition note #7 and #9 added section 23 01 30.51.
h. Floor plan revised to remove existing duct coming off of unit.

56. Sheet MD5.1 – MECHANICAL BUILDING 500 FLOOR PLAN – DEMO
a. Demolition keynote #1 revised for "frame" to be removed.
b. Demolition keynote #3 revised for "concrete pad to be removed".
c. Demolition keynote #4 revised for existing ductwork to "remain and reuse".

d. Revised demolition keynote #7 to add "EXISTING DSA #56614 TAB AIR…".
e. Demolition keynote #8 added for "existing partial ductwork to be removed and replaced with new."
f. Demolition note #4 revised to "contractor", removing "general".
g. Demolition note #7 and #9 added section 23 01 30.51.
h. Floor plan revised to remove existing duct coming off of unit.

57. Sheet MD6.1 – MECHANICAL BUILDING 600 FLOOR PLAN – DEMO
a. Demolition keynote #1 revised for "frame" to be removed.
b. Demolition keynote #3 revised for "concrete pad to be removed".
c. Demolition keynote #4 revised for "existing ductwork to remain and reuse".
d. Revised demolition keynote #7 to add "EXISTING DSA #56614 TAB AIR…".
e. Demolition keynote #8 revised to "existing air devices…".
f. Demolition keynote #9 added for "existing partial ductwork to be removed and replaced with new."
g. Demolition note #4 revised to "contractor", removing "general".
h. Demolition note #7 and #9 added section 23 01 30.51.
i. Floor plan revised to remove existing duct coming off of unit.
j. Demolition keynote #7 revised to add "See existing DSA #56614 TAB airflows for CFM requirement. Only AC unit airflow is being balanced, not air distridution to the spaces."

58. Sheet MD7.1 – MECHANICAL BUILDING 700 FLOOR PLAN – DEMO
a. Demolition keynote #1 revised for "frame" to be removed.
b. Demolition keynote #3 revised for "concrete pad to be removed".
c. Demolition keynote #4 revised for "existing ductwork to remain and reuse".
d. Revised demolition keynote #7 to add "EXISTING DSA #56614 TAB AIR…".
e. Demolition keynote #8 added for "existing partial ductwork to be removed and replaced with new."
f. Demolition note #4 revised to "contractor", removing "general".
g. Demolition note #7 and #9 added section 23 01 30.51.
h. Floor plan revised to remove existing duct coming off of unit.

59. Sheet M2.1 – MECHANICAL BUILDING 200 FLOOR PLAN – NEW
a. Construction keynote #1 revised to "new concrete pad…".
b. Construction keynote #3 revised for "existing ductwork to remain and reuse".
c. Construction keynote #7 revised for EMS thermometer mounting and low voltage wiring routing.
d. Construction keynote #9 revised to "existing air devices… to remain…".
e. Construction keynote #11 revised for CO2 sensor mounting and low voltage wiring routing.
f. Units AC-1, AC-2 and AC-12 replaced with new model.

60. Sheet M3.1 – MECHANICAL BUILDING 300 FLOOR PLAN – NEW
a. Construction keynote #1 revised to "new concrete pad…".
b. Construction keynote #2 revised for thermostat mounting and low voltage wiring.
c. Construction keynote #3 revised for existing ductwork to remain.
d. Construction keynote #7 revised for CO2 sensor mounting and low voltage wiring.
e. Construction keynote #8 added for new ductwork and transitioning as required.
f. Units AC-14 and AC-15 replaced with new model.
g. New thermostat and CO2 sensor for AC-15 changed locations.

61. Sheet M5.1 – MECHANICAL BUILDING 500 FLOOR PLAN – NEW
a. Keynote numbering and content has been updated (new conc. Pad, isolator qty,

t-stat/co2 mounting).
b. Units AC-7, AC-8, AC-19 and AC-20 replaced with new unit model.

62. Sheet M6.1 – MECHANICAL BUILDING 600 FLOOR PLAN – NEW
a. Keynote numbering and content has been updated (new conc. Pad, isolator qty, t-stat/co2 mounting).
b. Units AC-21, AC-11, AC-22 and AC-23 replaced with new unit model.

63. Sheet M7.1 – MECHANICAL BUILDING 700 FLOOR PLAN – NEW
a. Keynote numbering and content has been updated (new conc. Pad, isolator qty, t-stat/co2 mounting).
b. Units AC-9, AC-17, AC-16 and AC-10 replaced with new unit model.

64. Sheet M8.1 – MECHANICAL DETAILS
a. Detail 1:
1. Unit tags revised to match schedule and floor plans.
b. Detail 2:
1. Unit tags revised to match schedule and floor plans.
c. Detail 3:
1. Detail reference revised and reflects new concrete pad.
d. Detail 4:
1. Detail revised to correct specifications and reflects new concrete pad.

65. Sheet M8.2 – MECHANICAL DETAILS
a. Replaced structural curb drawings with new.

66. Sheet M8.4 – MECHANICAL DETAILS
a. Replaced structural curb drawings with new.

67. Sheet M9.1 – MECHANICAL DETAILS
a. Control details and SOO updated with new.

68. Sheet M9.2 – MECHANICAL DETAILS
a. Detail 2:
1. Control riser diagram updated with new and revised to detail.
b. Detail 1:
1. Added sequence of operation as new detail.

69. Sheet E0.1 – GENERAL NOTES AND SYMBOLS LIST
a. Added wall legend to plan.

70. Sheet E1.0 – OVERALL SITE PLAN
a. Added plan to note #2.
b. Added enlarged plan 2 to plan.

71. Sheet FA0.1 – FIRE ALARM SYMBOL LIST, DIAGRAMS AND SCHEDULES
a. Revised fire alarm control panel symbol within fire alarm symbol list.
b. Added fire alarm devices to fire alarm symbol list.

72. Sheet FA0.2 – FIRE ALARM RISER DIAGRAM
a. Revised fire alarm riser diagram.

73. Sheet FA1.1 – NEW – FIRE ALARM SITE PLAN

a. Revised drawing detail references on plan.
b. Revised toilet building names on plan.
c. Added new underground conduit pathways on plan.
d. Revised construction notes on plan.

74. Sheet FA1.2 – DEMOLITION – FIRE ALARM SITE PLAN
a. Revised drawing detail references on plan.
b. Revised plan notes and construction notes on plan.

75. Sheet FA2.1 – BUILDING 200 – FIRE ALARM PLANS
a. Revised fire alarm control panel symbol on plan.
b. Revised plan notes and added construction notes on plan.
c. Revised background.
d. Revised demolition and remodel plans.

76. Sheet FA3.1 – BUILDING 300 – FIRE ALARM PLANS
a. Revised plan notes and added construction notes on plan.
b. Revised background.
c. Revised demolition and remodel plans.

77. Sheet FA5.1 – BUILDING 500 – FIRE ALARM PLANS
a. Revised plan notes and added construction notes on plan.
b. Revised background.
c. Revised demolition and remodel plans.

78. Sheet FA6.1 – BUILDING 600 – FIRE ALARM PLANS
a. Revised plan notes and added construction notes on plan.
b. Revised background.
c. Revised demolition and remodel plans.

79. Sheet FA7.1 – BUILDING 700 – FIRE ALARM PLANS
a. Revised plan notes and added construction notes on plan.
b. Revised background.
c. Revised demolition and remodel plans.

80. Sheet FA8.1 – BUILDING 800 – FIRE ALARM PLANS
a. Revised plan notes and added construction notes on plan.
b. Revised background.
c. Revised demolition and remodel plans.

81. Sheet FA9.1 – RELOCATABLE FIRE ALARM PLANS
a. Revised plan notes and added construction notes on plan.
b. Revised background.
c. Revised demolition and remodel plans.

82. Sheet FA10.1 – RELOCATABLE FIRE ALARM PLANS
a. Revised plan notes and added construction notes on plan.
b. Revised demolition and remodel plans.

83. Sheet FA11.1 – RELOCATABLE FIRE ALARM PLANS
a. Revised plan notes and added construction notes on plan.
b. Revised demolition and remodel plans.

84. Sheet FA12.1 – RELOCATABLE FIRE ALARM PLANS
- **a.** Revised plan notes and added construction notes on plan.
- **b.** Revised demolition and remodel plans.

85. Sheet FA13.1 – RELOCATABLE FIRE ALARM PLANS
- **a.** Revised plan notes and added construction notes on plan.
- **b.** Revised demolition and remodel plans.
- **c.** Added Toilet "T3" to plan.

ATTACHMENTS

Exhibits "A" and "B" inclusive.

END OF ADDENDUM NO. 1



Sincerely,

Rick Simper
Project Architect

DOCUMENT 00 01 10

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~~01 30 00 Administrative Requirements~~ (Refer to Bidding Procurement Manual)
01 33 00 Submittal Procedures
01 40 00 Quality Requirements
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1

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END OF SECTION

ADDENDUM 1, EXHIBIT "A"

1

SECTION 04 05 03

MASONRY MORTARING AND GROUTING

PART 1 GENERAL

1.1 SUMMARY

A. Section includes mortar and grout for masonry.

B. Related Sections:
1. Section 04 20 16 - Reinforced Unit Masonry: Installation of mortar and grout.

1.2 REFERENCES

A. ASTM International:
1. ASTM C91 - Standard Specification for Masonry Cement.
2. ASTM C144 - Standard Specification for Aggregate for Masonry Mortar.
3. ASTM C150 - Standard Specification for Portland Cement.
4. ASTM C206 - Standard Specification for Finishing Hydrated Lime.
5. ASTM C270 - Standard Specification for Mortar for Unit Masonry.
6. ASTM C404 - Standard Specification for Aggregates for Masonry Grout.
7. ASTM C476 - Standard Specification for Grout for Masonry.
8. ASTM C1329 - Standard Specification for Mortar Cement.

B. 2019 California Building Code, Chapter 21A.

1.3 SUBMITTALS

A. Section 01 33 00 - Submittal Procedures: Submittal requirements.

B. Samples: Submit two ribbon samples of mortar, illustrating mortar color and color range.

1.4 STORAGE AND HANDLING

A. Maintain packaged materials clean, dry, and protected against dampness, freezing, and foreign matter.

1.5 ENVIRONMENTAL REQUIREMENTS

A. Maintain materials and surrounding air temperatures to minimum 50 degrees F (10 degrees C) prior to, during, and 48 hours after completion of masonry work.

1.6 MIX DESIGN

A. Submit design mix prepared by a California Registered Civil Engineer to Architect and Construction Manager for approval.

1.7 MIX TESTS

A. Testing and analysis of mortar and grout will be performed under provisions of Section 01 41 00 and as required by the Division of the State Architect and District Inspector.

ADDENDUM 1, EXHIBIT "A"

PART 2 PRODUCTS

2.1 MATERIALS

A. Portland Cement: ASTM C150, Type I gray color.

B. Mortar Aggregate: ASTM C144, standard masonry type, conforming to U.B.C. Standard No. 21-15.

C. Hydrated Lime: ASTM C207, Type S.

D. Grout Aggregate:
1. Conform to ASTM C404.
2. Conform to U.B.C. Standard No. 21-19.

E. Water: Clean and potable.

2.2 MORTAR COLOR

A. Mortar Color: Natural and synthetic mineral oxides, compounded for use in mortar mixes. Provide one of the following, where approved by D.S.A.:
1. "SGS Mortar Colors"; "A" series or "H" series; Solomon Grind-Chem Services, Inc. (217) 522-3112.
2. "True Tone Mortar Colors", Davis Colors, subsidiary of Rockwood Industries, Inc., (213) 267-7311.
3. "Sonobrite"; Sonneborn Building Products Division, Rexnord Chemical Products, Inc., (415) 889-9899.

B. Color: As selected by the Architect.

2.3 MORTAR MIXES

A. Comply with 2019 California Building Code, Section 2103A.3, cement-lime Type S.

B. Comply with Table No. 21A-A of 2019 California Building Code.

C. Admixtures are not permitted.

D. Mortar mix shall comply with Table 21A-A, Type S.

2.4 MORTAR MIXING:

A. Materials for mortar shall be measured in suitable calibrated devices. Shovel measurements will not be accepted.

B. Thoroughly mix mortar ingredients in quantities needed for immediate use with the following additional requirements:
1. Place approximately half of the required water and sand into the mixer while running.
2. Add cement and the remainder of the sand and water into the mixer in that order and mix for a period of at least two minutes.
3. Add lime last to the mixer and continue mixing as long as needed to secure a uniform mass.
4. Total mixing time may not be less than 10 minutes.

ADDENDUM 1, EXHIBIT "A"

C. Add mortar color in accordance with manufacturer's instructions. Provide uniformity of mix and coloration.

D. Do not use anti-freeze compounds to lower the freezing point of mortar.

E. Anti-freeze liquids, chloride salts or other substances shall not be used in mortar.

F. If water is lost by evaporation, re-temper only within two hours of mixing.

G. Use mortar within 2 hours after mixing at temperatures of 80 degrees F, or 2-1/2 hours at temperatures under 50 degrees F.

2.5 GROUT MIXES

A. Comply with 2019 California Building Code, Section 2103A.4.
1. Fine Grout: Spaces less than 2" in horizontal dimension.
2. Coarse Grout: Spaces 2" or more in least horizontal dimension.
3. Coarse aggregate shall be used in all filled-cell, solid grouted, masonry construction.
4. Aggregate shall comply with 2019 California Building Code, Section 1903A.3.

B. Comply with Table No. 21A-B of 2019 California Building Code.

C. Admixture: "SIKA" grout aid type II shall be used for high lift grouting.
1. Only one admixture per mix is permitted.
2. The use of admixtures is subject to the acceptance of the Structural Engineer and the Division of the State Architect prior to use in the project.

D. When the use of high lift grouting methods have been approved by the Structural Engineer and the Division of the State Architect, the following requirements shall apply:
1. Sufficient water may be added to make a workable mix that will flow into all joints of the masonry without separation or segregation. When grout is to be placed in masonry units with typical rates of absorption the slump of the grout should be approximately 7 to 8 inches depending on temperature and humidity conditions.
2. Where the least lateral dimension of cells to be filled exceeds five inches, a coarser aggregate may be used in the grout fill if the mix is designed in accordance with Section 1905A of the 2019 California Building Code. The maximum size of aggregate is not to exceed one inch. The water per sack of cement may be greater than is shown in 2019 California Building Code Table 19-A-3, Title 24, to allow for absorption by the masonry units and with sufficient workability to meet the requirements given in the paragraph above. Grout mixes are to contain an approved admixture. Use such admixture strictly in accordance with the manufacturer's instructions.
3. See specification Section 04 20 16, item 3.9, for additional requirements.

E. Finish Grout Materials
1. All prefaced masonry units shall be finish grouted after installation with tile grout at all head and bed joints and at all score lines. Finish grout product shall be similar to Polyblend Sanded Tile Grout as manufactured by Custom Building Products. Seal all finish grout with TileLab Grout and Tile Sealer as manufactured by Custom Building Products, or an approved equal.

2.6 GROUT MIXING

A. Materials for grout shall be measured in suitable calibrated devices. Shovel measurements will not be accepted.

ADDENDUM 1, EXHIBIT "A"

B. Thoroughly mix mortar ingredients in quantities needed for immediate use in accordance with ASTM C476.

C. Do not use anti-freeze compounds to lower the freezing point of grout.

D. Anti-freeze liquids, chloride salts or other substances shall not be used in grout.

E. The mixing of grout is to conform to the requirements for mixing of concrete, Section 1905A.2.3 of the 2019 California Building Code. Whenever possible mix and deliver grout in accordance with the requirements for transit-mixed concrete.

F. Time the admixture addition in strict accordance with the manufacturer's instructions. The procedure used for adding it to the grout mix should provide for good dispersion.

PART 3 EXECUTION

3.1 PREPARATION

A. Plug clean out holes with masonry units to prevent leakage of grout materials. Brace masonry for wet grout pressure.

3.2 INSTALLATION

A. Install mortar and grout to requirements of the specified masonry Sections.

B. Work grout into masonry cores and cavities to eliminate voids.

C. Do not displace reinforcement while placing grout.

D. Remove grout spaces of excess mortar.

E. Grout shall not be handled nor pumped utilizing aluminum equipment without prior approval of Architect, Structural Engineer and the Division of the State Architect.

END OF SECTION

ADDENDUM 1, EXHIBIT "A"

1

SECTION 04 20 16

REINFORCED UNIT MASONRY

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Concrete masonry units.

B. Reinforcement, anchorage and accessories.

1.2 RELATED SECTIONS

A. Section 04 05 03 - Masonry Mortaring and Grouting

B. Section 07 14 00 - Fluid Applied Waterproofing: Waterproofing of exterior masonry surfaces.

1.3 REFERENCES

A. 2019 California Building Code, Chapter 21A.

B. ANSI/ASTM A82 - Cold-Drawn Steel Wire for Concrete Reinforcement.

C. ASTM A123 - Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.

D. ASTM A525 - Steel Sheet, Zinc Coated, (Galvanized) by the Hot-Dip Process.

E. ASTM A706 - Low-alloy steel, deformed Bars for Concrete Reinforcement.

F. ASTM C90 - Hollow Load Bearing Concrete Masonry Units.

G. ASTM C140 - Testing concrete masonry units.

H. ASTM C145 - Solid Load Bearing Concrete Masonry Units.

I. ASTM C426 - Standard testing method for drying shrinkage of concrete block.

J. UL - Underwriter Laboratories.

K. Manufacturers literature (Prefaced Masonry Unit).

1.4 SUBMITTALS

A. Submit samples under provisions of Section 01 33 00.

B. Submit two samples of each type of unit to illustrate color, texture and extremes of color range.

C. Submit manufacturer's certificate under provisions of Section 01 33 00 that products meet or exceed specified requirements.

ADDENDUM 1, EXHIBIT "A"

1.5 TESTING AND INSPECTING

A. Testing of masonry units will be performed under provisions of Section 01 41 00 and as required by the Division of the State Architect and District Inspector.

B. All masonry work shall be continuously inspected during laying and grouting by an inspector approved by DSA, employed by the District and specially approved for this purpose by the Architect and the Division of the State Architect. See Section 01 41 00 for additional requirements.

1.6 REGULATORY REQUIREMENTS

A. Conform to UL requirements for fire rated masonry construction.

1.7 MOCK-UP

A. Provide mock-up of composite masonry under provisions of Section 01 40 00.

B. Erect panel 6 feet long by 4 feet high by full thickness.

C. When accepted, mock-up will demonstrate minimum standard for the Work. Mock-up may not remain as part of the Work.

1.8 PRE-INSTALLATION CONFERENCE

A. Convene one week prior to commencing work of this Section, under provisions of Section 01 20 00.

1.9 STORAGE AND HANDLING

A. Store and protect products under provisions of Section 01 50 00.

1.10 ENVIRONMENTAL REQUIREMENTS

A. Maintain materials and surrounding air temperature to minimum 40 degrees F prior to, during, and 48 hours after completion of masonry work.

1.11 SEQUENCING AND SCHEDULING

A. Coordinate work under provisions of Section 01 20 00.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. CONCRETE MASONRY UNITS
   1. Orco Co., Inc. (714) 685-1521.
   2. Angelus Block Co. (714) 350-0244.
   3. RCP Block & Brick, (800) 732-7425.
   4. Substitutions: Under provisions of Section 01 33 00.

ADDENDUM 1, EXHIBIT "A"

2.2 MATERIALS

A. CONCRETE MASONRY UNITS

1. Hollow Load-Bearing Concrete Masonry Units: ASTM C90; medium weight. Masonry units shall be open end units. Aggregate shall be clean, sharp, and well graded, free from injurious amount of dust, lumps, shale, alkali, surface coatings and organic matter. Compressive strength of units shall be f_m = 2,000 psi.
2. Maximum linear drying shrinkage shall be 0.65% from saturated to oven dry condition when tested in accordance with ASTM C426.
3. Provide single, double, and triple faced units as required for all surfaces:
   a. Split faced units: Provide at all locations indicated on drawings.
   b. Smooth Precision Units: Provide at all exterior and interior exposed and interior concealed locations where not otherwise indicated.
   c. Cap Blocks: Provide 2" thick solid units at all locations indicated on drawings.
   d. Lintel Blocks: Provide 8 x 8 x 16 units at all locations indicated on drawings.
4. Color: Minimum of two colors for each block type from manufacturer's full range of colors.
5. Masonry Units: Nominal modular sizes as indicated on drawings. Provide special units for 90 degree corners, bond beams, lintels and other shapes indicated, or make up from saw cut units as indicated.

2.3 REINFORCEMENT AND ANCHORAGE

A. Reinforcing Steel: Type specified in Section 03 20 00; sizes indicated.

B. Anchors: Types and sizes indicated and required for intended use.

2.4 ACCESSORIES

A. Cleaning Solutions: Non-acidic, not harmful to masonry work or adjacent materials.

B. Expansion Joint Fillers: Extruded PVC conforming to ASTM D2287 with a durometer hardness of 80 maximum.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that field conditions are acceptable and are ready to receive work.

B. Verify items provided by other Sections of work are properly sized and located.

C. Verify that built-in items are in proper location, and ready for roughing into masonry work.

D. Beginning of installation means installer accepts existing conditions.

E. Verify that top of footings have been cleaned and roughened per Section 03 30 00.
1. Roughen in accordance with ACI 318-14, Section 26.5.6.
2. Protect that roughened surface during construction to assure a good bond between the grout fill and the concrete surface.

ADDENDUM 1, EXHIBIT "A"

3.2 PREPARATION

A. Direct and coordinate placement of metal anchors supplied to other Sections.

B. Provide temporary bracing during installation of masonry work. Maintain in place until building structure provides permanent bracing.

3.3 COURSING

A. Establish lines, levels, and coursing indicated. Protect from displacement.

B. Maintain masonry courses to uniform dimension. Form vertical and horizontal joints of uniform thickness.

C. Lay concrete masonry units in running bond. Course one unit and one mortar joint to equal 8 inches.

3.4 PLACING AND BONDING

A. Lay hollow masonry units with face shell bedding on full head and bed joints.

B. The initial bed joint thickness shall be not less than 1/4 inch nor more than 1 inch; subsequent bed joints shall be 3/8 inch in thickness.

C. Mortar joints shall be straight, clean, and with uniform width. Tool with a round bar to produce a dense, slightly concave surface well bonded to the block on each side.

D. Do not dampen units before laying.

E. Butter vertical head joints well for a thickness equal to the full width of the face shell of the unit and shove these joints tightly so that the mortar bonds well to both units.

F. Lay concrete masonry units plumb, true to line, with level and accurately spaced courses.

G. Perform tooling when mortar is partially set, but still sufficiently plastic to bond. Use a tool that compacts the mortar, pressing excess mortar out of the joint rather than dragging it out.

H. Rake out joints that are not tight at the time of tooling, point and then tool.

I. Unless specifically shown, no block unit less than 1/2 length may be used in work to be left exposed or painted.

J. Stop masonry only by racking back in each course. Toothing is not permitted.

K. At the time of laying, all masonry units shall be free of dust, dirt, mortar droppings, loose pieces of masonry and other foreign materials from grout spaces.

L. Buttering corners of joints or excessive furrowing of mortar joints is not permitted.

M. Remove excess mortar as work progresses.

N. Interlock intersections and external corners.

O. Do not shift or tap masonry units after mortar has achieved initial set. Where adjustment must be made, remove mortar and replace.

ADDENDUM 1, EXHIBIT "A"

P. Perform job site cutting of masonry units with proper tools to provide straight, clean, non-chipped edges. Prevent broken masonry unit corners or edges.

Q. Cut mortar joints flush where ceramic or quarry wall tile is scheduled. Resilient base is scheduled or bitumen damp proofing is applied.

R. Install specific masonry and prefaced masonry in locations as shown on drawings.

S. In those areas where pre glazed masonry joints are exposed to moisture, the setting mortar shall be raked to the depth of 1/4" and the joints shall be pointed, gunned, or bagged with Architect approved fine textured sanitary grout containing waterproofing agents. Joints to be tooled slightly concave with glass or other non-staining tool, to join rounded block edge. If exterior, or moisture exposed joints are not raked and grouted, setting mortar should be tooled, and must contain manufacturers approved waterproofing/hardening additives.

3.5 REINFORCEMENT

A. Support and secure reinforcing bars from displacement. Maintain position within 1/2 inch of dimensioned position.

B. Provide minimum of one bar diameter between reinforcing bars and inside face of masonry units.

C. Support reinforcing bars every 200 times bar diameter or 10'-0" whichever is less.

D. Horizontal reinforcing shall be placed in bond beam units with a minimum grout cover of one (1) inch above steel for each grout pour.

3.6 ANCHORAGES

A. Embed anchors embedded in concrete attached to structural steel members. Embed anchorage in every second block joint unless indicated otherwise.

3.7 LINTELS

A. Install loose steel lintels over openings.

B. Install reinforced unit masonry lintels over openings where steel or concrete lintels are not shown.

C. Use single piece reinforcing bars only.

D. Support and secure reinforcing bars from displacement. Maintain position within 1/2 inch of dimensioned position.

E. Place and consolidate grout fill without displacing reinforcing.

F. Allow masonry lintels to attain specified strength before removing temporary supports.

3.8 REINFORCED CONCRETE UNIT MASONRY

A. Lay masonry units with core cells vertically aligned clear of mortar and unobstructed, continuous measuring not less than two (2) inches by three (3) inches.

B. Place mortar in masonry unit bed joints back 1/4 inch from edge of unit grout spaces, bevel back and upward. Permit mortar to cure 3 days before placing grout.

ADDENDUM 1, EXHIBIT "A"

C. Reinforce masonry unit cores with reinforcement bars and grout as indicated.

D. Retain vertical reinforcement in position at top and bottom of cells and at intervals not exceeding 160 bar diameters. Do not splice between lateral support unless otherwise indicated.

E. Brace reinforcement and secure in place to allow no movement during grouting.

F. The depth of the bond beam channel below the top of the unit shall be a minimum of 1-1/2 inches and the width shall be 3 inches minimum.

3.9 GENERAL GROUTING REQUIREMENTS:

A. Use Fine Grout per ASTM C 476 for filling spaces less than 4" in one or both horizontal directions.

B. Use Coarse Grout per ASTM C 476 for filling 4" spaces or larger in both horizontal directions.

C. Grouting Technique: The Contractor may use either low-lift or high-lift grouting techniques subject to requirements which follow.

D. Grout shall be a workable mix suitable for placing without segregation and shall be thoroughly mixed. Grout shall be placed by pumping or an approved alternate method and shall be placed before initial set or hardening occurs.

E. Grout shall be consolidated by mechanical vibration during placing and re-consolidated after excess moisture has been absorbed, but before workability is lost.

F. The grouting of any section of a wall shall be completed in one day, with no interruptions greater than one hour.

G. Section 2104A.6.1.3.1.2.3, 2019 California Building Code requires that before high lift grouting is used the method shall be approved by the Division of the State Architect and the Structural Engineer.

3.10 LOW-LIFT GROUTING (Required):

A. Provide minimum clear dimension of 2" and clear area of 8 sq. in. in vertical cores to be grouted.

B. Place vertical reinforcement prior to laying of CMU. Extend above elevation of maximum pour height as required for splicing.

C. Lay CMU to maximum pour height. Do not exceed 2'-0" height, or if bond beam occurs below this height, stop pour at course below bond beam.

D. Pour grout using chute or container with spout. Rod or vibrate grout during placing so as to consolidate and completely fill all voids and embed all reinforcing steel. Place grout continuously; do not interrupt pouring of grout for more than one hour. Terminate grout pours 1-1/2" below top course of pour.

E. Bond Beams: Stop grout in vertical cells 1-1/2" below bond beam course. Place horizontal reinforcement in bond beams; lap at corners and intersections as shown. Place grout in bond beam course before filling vertical cores above bond beam.

F. All overhanging mortar and mortar droppings shall be removed prior to grouting.

ADDENDUM 1, EXHIBIT "A"

G. All horizontal steel shall be fully embedded in grout in an uninterrupted pour.

3.11 HIGH-LIFT GROUTING (Only if approved by structural engineer and Division of State Architect): Comply with IR 21-2.

A. High lift grouting method may only be used on wall construction where openings, block pattern arrangements, special reinforcing steel, or embedded structural steel do not prevent the free flow of grout or inhibit the use of mechanical vibration to properly consolidate the grout fill in all cells or horizontal grout spaces. Horizontal reinforcing shall be positioned in a single vertical plane at each curtain of steel to allow maximum accessibility to the cell spaces.

B. High lift grouting technique shall not be used unless the minimum cavity dimension is 3 inches and area is 10 sq.in., respectively.

C. All masonry units, reinforcing steel and embedded items shall be in place before grouting of the wall voids commences.
1. Work shall be arranged so that once grouting of a section of wall is started the grouting is to proceed in lifts without stopping, except as described below, until the full height of the prepared section is poured.

D. Grout shall be a high slump workable mix, placed by pumping to permit continuous pouring.
1. Work into all voids.
2. Use mechanical vibrators for consolidation.
3. When job conditions preclude such use; other methods may be used if approval is obtained by Structural Engineer and Division of the State Architect.
4. The grout shall be re-consolidated after it has taken on a plastic consistency, but prior to taking an initial set.

E. A "Grout Pour" is considered as the entire height of grout fill placed in one day and is composed of a number of successively placed grout lifts.
1. A "Lift" is the layer of grout placed in a single continuous operation.

F. Construct masonry to full height of maximum grout pour specified, prior to placing grout.
1. Limit grout lifts to a maximum height of 4'-0".
2. The maximum height of grout pour shall be twelve (12'-0") feet for eight (8) inch walls.
3. The maximum height of grout pour shall be sixteen (16'-0") for twelve (12) inch walls.

G. The quality and quantity of each material used in transit-mixed grout shall be continuously checked by a qualified person at the location where the materials are measured.

H. Provide clean out openings for all walls at the bottom of each pour.
1. The openings are to be made prior to start of laying and be of sufficient size and location to allow thorough flushing away and removal of all mortar, droppings and debris which might prevent proper grouting.
2. Provide temporary supports for units above all openings, or use header units with concrete brick supports.
3. Use units with one face shell removed for clean outs.

I. After the laying of the masonry units is completed, the cells cleaned, the reinforcing positioned and inspection completed, close the clean outs by reinserting the face shells of masonry units.
1. The face shell plugs shall have a minimum two-day curing time.
2. Brace face shell to resist the pressure of the fluid grout.

J. Place all reinforcing steel accurately in strict accordance with the plans and specifications.

ADDENDUM 1, EXHIBIT "A"

1. Both horizontal and vertical reinforcing shall be held in position by wire ties or spacing devices near ends and at intervals not exceeding 192 diameters of the reinforcement.
2. Place horizontal reinforcing as the masonry units are laid.
3. Place vertical reinforcement before grouting. Place before or after laying masonry units, as required by job conditions.
4. Tie vertical reinforcement to footing dowels at base of masonry as shown on the plans. Thread masonry units over or around reinforcement.

K. Open-ended concrete masonry units are required. Bond beam units shall be used to facilitate the horizontal flow of grout.
1. Bond beam units are required at all horizontal bars to provide a minimum vertical opening at all cross webs three (3) inches high by three (3) inches wide.
2. Masonry units shall not be wetted before laying except in dry areas.
3. In dry areas the contact surfaces, of the units, shall be moistened immediately before laying to prevent excessive drying of the mortar.

L. Care shall be taken in placing the mortar to keep a minimum of droppings from falling into the block cells.

M. During construction, brace the non-grouted walls adequately to resist wind and other forces.

N. Thoroughly remove all mortar droppings and overhangs from the foundation, bearing surfaces, cell walls and reinforcing.
1. Hose with a jet stream at least twice a day (at mid-day and quitting time).
2. Dislodge any hardened mortar from the cell walls and reinforcing with a pole or rod.
3. Remove the mortar debris, dust, dirt, loose pieces and other foreign materials prior to clean up and grouting.

O. Intermediate horizontal construction joints are not permitted.
1. Plan the work for one continuous pour of grout to the top of the wall in four foot lifts in the same working day.
2. If a blow-out, breakdown in equipment, or any other emergency occurs case the grouting operation.

P. Section of wall to be grouted in any one pour is limited to a length in which successive lifts can be placed within one hour of the preceding lifts.
1. Vertical control barriers shall be placed between pour sections in locations approved by the Architect, Structural Engineer and the Division of the State Architect.
2. Limit grout pours to sections that can be completed in one working day.
3. Place grout in lintels or beams over openings in one continuous pour.

Q. Placing Grout:
1. Pour no grout until the mortar has been set and cured.
2. Grout walls as soon as possible after mortar has cured.
3. All clean out closures, reinforcing, bolts and embedded connection items shall be in position before grouting is started.
4. Handle grout from the mixer to the point of deposit in the grout space as rapidly as practical by pumping and placing methods that will prevent segregation of the mix.
5. Cause a minimum of grout splatter on adjacent reinforcing and masonry units.
6. Under normal weather conditions, the individual lifts of grout are limited to four feet in height with a waiting period between lifts of 30 to 60 minutes.
7. Place the first lift of grout to a uniform height within the pour section and mechanically vibrate thoroughly to fill all voids. The grouting team should be organized to enable the vibration to follow closely behind and at the same pace as the pouring operation.
8. After a waiting period sufficient to permit the grout to become plastic cut before it has taken any set, the succeeding lift should be poured and alternate cells vibrated twelve

ADDENDUM 1, EXHIBIT "A"

inches to eighteen inches into the preceding lift. Do this in such a manner as to reconsolidate the preceding lift and close any plastic shrinkage cracks or separations from the cell walls.

9. If, because of unavoidable job conditions, the placing of the succeeding lift is going to be delayed beyond the period of workability of the preceding lift, reconsolidate each lift by reworking with the mechanical vibrator as soon as the grout has taken its settlement shrinkage.

10. Repeat the waiting, pouring and re-consolidation steps until the top of the pour is reached. Reconsolidate the top list after the required waiting period to fill any space left by settlement shrinkage.

R. Where bond beam occurs more than one course below top of pour, fill bond beam course to within one (1) inch of vertically reinforced cavities.

S. When more than one pour is required to complete a given section of masonry, extend reinforcement beyond masonry as required for splicing. Pour grout in within 1-1/2" of top coarse of first pour. After grouted masonry is cured, lay masonry units and place reinforcement for second pour section before grouting. Repeat sequence if more pours are required.

3.12 CONTROL JOINTS

A. Size control joint in accordance with Section 07 90 00 for sealant performance.

B. Form control joint as detailed.

3.13 BUILT-IN WORK

A. As work progresses, build in metal door frames, window frames, wood nailing strips, anchor bolt plates, and other items furnished by other Sections.

B. Build in items plumb and level.

C. Bed anchors of metal door and glazed frames in adjacent mortar joints. Fill frame voids solid with grout.

D. Do not build in organic materials subject to deterioration.

E. Provide temporary wood spreaders from jamb to jamb in insure that jambs do not bow in or distort from a straight line as frames are filled with grout.

F. Provide temporary shores to support heads of metal frames and prevent deflection from superimposed loads during erection.

G. Exercise care to insure that anchors are completely surrounded by grout.

3.14 TOLERANCES

A. Maximum Variation From Alignment Of Columns And Pilasters: 1/4 inch.

B. Maximum Variation From Unit to Adjacent Unit: 1/32 inch.

C. Maximum Variation From Plane Of Wall: 1/4 inch in 10 feet and 1/2 inch in 20 feet or more.

D. Maximum Variation From Plumb: 1/4 inch per story non-cumulative; 1/2 inch in two stories or more.

ADDENDUM 1, EXHIBIT "A"

E. Maximum Variation From Level Coursing: 1/8 inch in 4 feet and 1/4 inch in 12 feet maximum.

F. Maximum Variation of Joint Thickness: 1/8 inch in 4 feet.

G. Maximum Variation From Cross Sectional Thickness of Walls: 1/4 inch.

3.15 CUTTING AND FITTING

A. Cut and fit for chases, pipes, conduit, sleeves and grounds. Coordinate with other Sections of work to provide correct size, shape, and location.

B. Obtain Architect's approval prior to cutting or fitting masonry work not indicated or where appearance or strength of masonry work may be impaired.

C. Cut units with a machine saw without using water.

3.16 CURING

A. Top of grout pour should be kept damp to prevent too rapid drying during hot or drying weather and drying winds.

B. Damp cure masonry work for a period of not less than seven days after the work is completed. Make provisions for curing on Saturdays, Sundays and holidays.

C. Damp masonry only by using nozzle regulated fog spray sufficient only to dampen face and top of the grout pour but not of such quantity to cause water to flow down over masonry.

3.17 CLEANING

A. Clean work under provisions of Section 01 70 00.

B. Remove excess mortar and mortar smears.

C. Replace defective mortar. Match adjacent work.

D. Clean soiled surfaces with cleaning solution.

E. Use non-metallic tools in cleaning operations.

F. Upon completion of grouting, hose off with water under pressure through a jet nozzle, all the scum and stains which have percolated through the blocks and joints.

G. Perform a medium to light sandblast on all exposed masonry to achieve a clean and uniform finish.

3.18 FIELD QUALITY CONTROL

A. Field inspection and testing will be performed under provisions of Section 01 41 00 and Part 1.4 of this Section.

B. Maintain records of materials used and installed in every materials respect. Record dates, location of work, air temperature and test samples taken.

ADDENDUM 1, EXHIBIT "A"

3.19 PROTECTION OF FINISHED WORK

A. Protect finished installation under provisions of Section 01 50 00.

END OF SECTION

ADDENDUM 1, EXHIBIT "A"

1

SECTION 05 50 00

METAL FABRICATIONS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Shop fabricated ferrous metal items, galvanized and prime painted.

1.2 REFERENCES

A. ASTM International:
1. ASTM A36 - Structural Steel.
2. ASTM A123 - Zinc (Hot-Galvanized) Coatings on Products Fabricated From Rolled, Pressed and Forged Steel Shapes, Plates, Bars, and Strip.
3. ASTM A153 - Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
4. ASTM A307 - Carbon Steel Externally Threaded Standard Fasteners.
5. ASTM A325 - High Strength Bolts for Structural Steel Joints.
6. ASTM A123 – Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
7. ASTM A500 - Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Round and Shapes.

B. American Welding Society:
1. AWS A2.0 - Standard Welding Symbols.
2. AWS D1.1 - Structural Welding Code.

C. Steel Structures Painting Council.

1.3 SUBMITTALS

A. Submit under provisions of Section 01 33 00.

B. Shop Drawings: Indicate profiles, sizes, connection attachments, reinforcing, anchorage, size and type of fasteners, and accessories. Include erection drawings, elevations and details where applicable.

C. Indicate welded connections using standard A2.0 welding symbols. Indicate net weld lengths.

1.4 QUALIFICATIONS

A. Welders' Certificates: Submit under provisions of Section 01 33 00, certifying welders employed on the work, verifying AWS qualifications within the previous 12 months.

1.5 FIELD MEASUREMENTS

A. Verify that field measurements are as shown on Drawings.

PART 2 PRODUCTS

2.1 MATERIALS

A. Structural Steel Shapes: ASTM A992; W and WT Shapes.

ADDENDUM 1, EXHIBIT "A"

B. Other Steel Sections: ASTM A36.

C. Steel Tubing: ASTM A500, Grade B.

D. Pipe: ASTM A53, Grade B.

E. Bolts, Nuts, and Washers: ASTM A307 galvanized to ASTM A153 for galvanized components.

F. High Strength Bolts: ASTM A325.

G. Welding Materials: AWS D1.1; type required for materials being welded.

H. Shop and Touch-Up Primer: Fabricator's standard, fast-curing, lead-free, "universal" primer; selected for good resistance to normal atmospheric corrosion, for compatibility with finish paint systems indicated and for capability to provide a sound foundation for field-applied topcoats despite prolonged exposure; complying with performance requirements of FS TT-P-645.

I. Touch-Up Primer for Galvanized Surfaces: SSPC 20.

2.2 FABRICATION, GENERAL

A. Fit and shop assemble in largest practical sections, for delivery to site.

B. Fabricate items with joints tightly fitted and secured.

C. Continuously seal joined members by continuous welds unless indicated otherwise.

D. Grind exposed joints flush and smooth with adjacent finish surface. Make exposed joints butt tight, and hairline. Ease exposed edges to small uniform radius.

E. Exposed Mechanical Fastenings: Flush countersunk screws or bolts; unobtrusively located; consistent with design of component, except where specifically noted otherwise.

F. Supply components required for anchorage of fabrications. Fabricate anchors and related components of same material and finish as fabrication, except where specifically noted otherwise.

2.3 FINISHES

A. Clean surfaces of rust, scale, grease, and foreign matter prior to finishing.

B. Do not prime surfaces in direct contact with concrete or where field welding is required.

C. Prime paint items with one coat.

D. Galvanize items to minimum 1.25 oz/sq.ft. zinc coating in accordance with ASTM A123.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that field conditions are acceptable and are ready to receive work.

B. Beginning of installation means erector accepts existing conditions.

ADDENDUM 1, EXHIBIT "A"

3.2 PREPARATION

A. Clean and strip primed steel items to bare metal where site welding is required.

B. Supply items required to be cast into concrete or embedded in masonry with setting templates, to appropriate sections.

3.3 INSTALLATION

A. Install items plumb and level, accurately fitted, free from distortion or defects.

B. Allow for erection loads, and for sufficient temporary bracing to maintain true alignment until completion of erection and installation of permanent attachments.

C. Field weld components indicated on Drawings.

D. Perform field welding in accordance with AWS D1.1.

E. Obtain Architect approval prior to site cutting or making adjustments not scheduled.

F. After erection, prime welds, abrasions, and surfaces not shop primed, except surfaces to be in contact with concrete.

G. Repair galvanized surfaces after welding with zinc rich paint, conforming to ASTM A-780.

3.4 SCHEDULE

A. The Schedule is a list of principal items only. Refer to Drawing details for items not specifically scheduled.

B. Miscellaneous Framing and Supports: Steel not a part of structural steel framework as required to complete work.

C. Bumper Posts: As detailed; prime paint finish.

D. Bollards: Steel pipe, concrete filled, crowned cap, as detailed; prime paint finish.

E. Ledge and Shelf Angles, Channels and Plates Not Attached to Structural Framing: For support of metal decking joists masonry prime paint finish.

F. Lintels: As detailed; prime paint finish.

G. Door Frames for Overhead Door Openings and Wall Openings: Structural sections; prime paint finish.

END OF SECTION

ADDENDUM 1, EXHIBIT "A"

1

SECTION 07 14 00

FLUID APPLIED WATERPROOFING

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Water repellent coating to exterior and interior masonry, concrete, and cement plaster surfaces.

1.2 QUALITY ASSURANCE

A. Manufacturer: Company specializing in manufacture of water repellent coatings with five years minimum experience.

B. Applicator: Acceptable to manufacturer.

1.3 SUBMITTALS

A. Submit product data under provisions of Section 01 33 00.

B. Include details of product description, tests performed, limitations to coating, cautionary procedures required during application, and chemical properties, including percentage of solids.

C. Submit manufacturer's installation instructions under provisions of Section 01 33 00.

1.4 FIELD SAMPLE

A. Apply coating to 24 sq. foot area of each surface to be waterproofed where directed by Architect.

B. Apply number of coats specified. Color change or surface sheen is cause for rejection of product.

1.5 WARRANTY

A. Provide five (5) year warranty for materials and installation.

B. Warranty: Maintain treated surface free from penetration of moisture. Repair damage to interior surface of walls that moisture has penetrated.

1.6 ENVIRONMENTAL REQUIREMENTS

A. Do not apply coating when ambient temperature is lower than 50 degrees F or higher than 100 degrees F.

PART 2 PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

A. Ven-Chem Co., Inc. (818) 342-1195.

B. Substitutions: Under provisions of Section 01 33 00.

ADDENDUM 1, EXHIBIT "A"

2.2 MATERIALS

A. Coating for vertical concrete or unpainted cement plaster: Deep Seal-Crystal Clear.

B. Coating for concrete unit masonry: Super-Kote Clear Heavy.

C. Coatings: Clear, non-yellowing formulations containing no silicones.

PART 3 EXECUTION

3.1 INSPECTION

A. Verify joint sealants are installed and cured.

B. Verify surfaces to be coated are dry, clean, and free of efflorescence, oil, or other matter detrimental to application of coating.

C. Beginning of installation means acceptance of substrate.

3.2 PREPARATION

A. Remove loose particles and foreign matter.

B. Remove oil or foreign substance with a chemical solvent which will not affect coating.

C. Protect adjacent surfaces not scheduled to receive coating.

D. If applied on unscheduled surfaces, remove immediately by approved method.

3.3 APPLICATION

A. Delay work until substrate is cured a minimum of 30 days.

B. Apply coating in accordance with manufacturer's instructions, using airless spray.

C. Apply Deep Seal to concrete and plaster in one continuous, uniform coat at a rate of 150 square feet per gallon.

D. Apply Super-Kote to concrete masonry units in two continuous, uniform coats, allowing minimum 12 hours drying time between coats.
   1. First Coat : 100 square feet per gallon.
   2. Second Coat: 130 square feet per gallon.

3.4 FIELD QUALITY CONTROL

A. Drums containing water-repellent material shall not be removed from the job site until completion of all water-repellent treatment and until so authorized in writing by the Contracting Officer.

3.5 FIELD TESTING

A. At time not less than twenty days after completion of the water-repellent application, subject a representative wall area of at least 100 square feet of each building to a simulated rainfall for a period of three hours. Location of wall area will be determined by the Architect. Use a minimum 5/8" diameter hose and a lawn sprinkler which will direct the full flow of water against the wall.

ADDENDUM 1, EXHIBIT "A"

Place the sprinkler so that the water will strike the wall downward at a 45 degree angle to the wall for a period of three hours. If the inside of the wall shows any trace of moisture during or following the test, apply another coat to the entire building. The testing and recoating process shall be repeated until no moisture shows on inside wall face.

3.6 SCHEDULE

A. Provide at all exterior vertical masonry/concrete surfaces.

B. Provide at all exterior vertical plaster/stucco surfaces.

C. Provide at other areas as indicated on Drawings.

END OF SECTION

ADDENDUM 1, EXHIBIT "A"

1

SECTION 07 21 16

BLANKET INSULATION

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Batt insulation and vapor barrier in exterior wall or furring and ceiling roof construction.

B. Batt insulation for filling perimeter window and door shim spaces crevices in exterior wall and roof.

C. Batt sound insulation in interior walls and partitions and above ceiling.

1.2 REFERENCES

A. ASTM C665 - Mineral Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.

1.3 PERFORMANCE REQUIREMENTS

A. Materials of this Section shall provide continuity of thermal barrier at building enclosure elements.

B. Materials of this Section shall provide continuity of sound control where indicated or scheduled.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturers:
1. Manville Corporation.
2. Owens-Corning Fiberglass Corporation.
3. CertainTeed Corporation.
4. United States Gypsum Insulation Products.
5. Substitutions: Under provisions of Section 01 60 00.

2.2 MATERIALS

A. Batt Thermal Insulation: ASTM C665 preformed glass fiber batt, Type III, Class B, with reflective covering one side.
1. Flame Spread Rating: 25 or less.
2. Maximum smoke density of 450, when tested in accordance with ASTM E84 or UL 723.
3. Exterior stud walls or furring: 2x6 - R-19 or better; 2x4 - R-15 or better.
4. Roof: R-38 or better.

B. Batt Sound Insulation: ASTM C665 preformed glass fiber batt, Type I unfaced, with flame spread of 25 or less.
1. Flame Spread Rating: 25 or less.
2. Maximum smoke density of 450, when tested in accordance with ASTM E84 or UL 723.
3. Provide R-11 sound insulation in all interior partition walls from floor level to 6 inches above ceiling line and above all interior ceilings.

ADDENDUM 1, EXHIBIT "A"

C. Nails or Staples: Steel wire; electroplated; type and size to suite application.

D. Tape: Bright aluminum self-adhering type, mesh reinforced, 2" wide.

E. Sag Wires: Provide 18 gage galvanized wire.

F. Impaling and stick-pins, including washers are to be provided as recommended in writing by insulation manufacturer.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that substrate, adjacent materials, and insulation are dry and ready to receive insulation.

3.2 INSTALLATION

A. Install insulation in accordance with insulation manufacturer's instructions.

B. Install in all exterior stud walls and ceiling spaces without gaps or voids.

C. Install sound insulation between studs in all stud walls surrounding restrooms from floor to roof deck partition wall, ceiling and also in areas where shown on the drawings.

D. Install sound insulation over ceilings of all restrooms and also in areas where shown on the drawings.

E. Trim insulation neatly to fit spaces.

F. Fit insulation tight in spaces and tight to exterior side of mechanical and electrical services within the plane of insulation. Leave no gaps or voids.

G. Install with factory applied membrane facing warm side of building spaces. Lap ends and side flanges of membrane between framing members.

H. Staple or nail in place at maximum 6" on center.

I. Tape seal butt ends, lapped flanges, and tears or cuts in membrane.

J. Do not compress insulation in excess of 10%.

K. Where downspouts from the roof drains come down inside the building, wrap downspouts from the roof to the floor with 2-1/2" sound insulation blankets. These batts shall be secured in place.

L. Ensure secure attachment so that insulation will not sag over time. Friction fitting is not sufficient. Mechanically attach insulation. Double-sided tape attachment is not acceptable.
   1. Where insulated walls are being left unfinished, install sag wires to support insulation.
   2. Where insulation is being installed using impaling pins, ensure that washers are installed over pins after insulation is in place. Space pins as necessary to provide insulation installation will not sag over time, and as recommended in writing by insulation manufacturer.

ADDENDUM 1, EXHIBIT "A"

3.3 CLEAN UP

A. Remove all rubbish and surplus materials from the site and dispose of in a legal manner.

END OF SECTION

ADDENDUM 1, EXHIBIT "A"

1

SECTION 07 62 00

SHEET METAL FLASHING AND TRIM

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Coping parapet and cap flashings.

B. Roof and sill flashings.

C. Counterflashings over bituminous base flashings.

D. Counterflashings at roof mounted mechanical equipment and vent stacks.

E. Counterflashings for roof hatches.

1.2 REFERENCES

A. ASTM B32 - Solder Metal.

B. ASTM A526 - Steel Sheet, Zinc Coated, (Galvanized) by the Hot-Dip Process, Commercial Quality.

C. ASTM D226 - Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing.

D. FS SS-C-153 - Cement, Bituminous, Plastic.

E. SMACNA - Architectural Sheet Metal Manual.

1.3 SYSTEM DESCRIPTION

A. Work of this Section is to physically protect membrane roofing, and base flashings, from damage that would permit water leakage to building interior.

1.4 QUALITY ASSURANCE

A. Applicator: Company specializing in sheet metal flashing work with five years minimum experience.

1.5 STORAGE AND HANDLING

A. Store products under provisions of Section 01 50 00.

B. Stack preformed and prefinished material to prevent twisting, bending, or abrasion, and to provide ventilation.

C. Prevent contact with materials during storage which may cause discoloration or staining and moisture.

ADDENDUM 1, EXHIBIT "A"

PART 2 PRODUCTS

2.1 SHEET MATERIALS

A. Pre-Coated Galvanized Steel: ASTM A446, Grade A, G90 zinc coating; 22 gage core steel, shop pre-coated with Kynar 500 coating, color to be selected by Architect from manufacturer's full range of colors.

2.2 ACCESSORIES

A. Fasteners: Galvanized steel or stainless steel with soft neoprene washers at exposed fasteners. Finish exposed fasteners same as flashing metal.

B. Underlayment: ASTM D266, No. 30 asphalt saturated roofing felt.

C. Metal Primer: As specified in Section 09 90 00.

D. Protective Backing Paint: Zinc chromate alkyd.

E. Slip Sheet: Rosin sized building paper.

F. Sealant: Type specified in Section 07 90 00.

G. Bedding Compound: Rubber-asphalt type.

H. Plastic Cement: FS SS-C-153, Type I-asphaltic base cement.

I. Reglets: Recessed galvanized steel manufactured by Fry Reglets Corporation face ends covered with plastic tape.

J. Solder: ASTM B32; 50/50 tin/lead type, with rosin flux.

2.3 FABRICATION

A. Form sections true to shape, accurate in size, square, and free from distortion or defects.

B. Fabricate cleats and starter strips of same material as sheet, interlockable with sheet.

C. Form pieces in longest practical lengths.

D. Hem exposed edges on underside 1/2 inch miter and seam corners.

E. Form material with flat lock seam.

F. Solder and seal metal joints. After soldering, remove flux. Wipe and wash solder joints clean.

G. Fabricate corners from one piece with minimum 18" long legs; seam for rigidity, seal with sealant.

H. Fabricate vertical faces with bottom edge formed outward 1/4" and hemmed to form drip.

I. Fabricate flashings to allow toe to extend 2" over roofing surface. Return and brake edges.

J. Form sheet metal pans 6" nominal square size, with 3" upstand, and 4" flanges. Fill pans watertight with plastic cement.

ADDENDUM 1, EXHIBIT "A"

2.4 FINISH

A. Parapet coping: Kynar factory finish with 0.2 mil baked on primer and 0.8 mil baked on topcoat for a 1.0 mil dry film thickness. Finish shall be warranted for a minimum of 20 years against all defects.

B. All other flashings and trims: Shop primed and field painted per Section 09 90 00.
   1. Shop prepare and prime exposed ferrous metal surfaces.
   2. Backpaint concealed metal surfaces with protective backing paint to a minimum dry film thickness of 15 mil.

PART 3 EXECUTION

3.1 INSPECTION

A. Verify roof openings, curbs, pipes, sleeves, ducts, or vents through roof are solidly set, cant strips and reglets in place, and nailing strips located.

B. Verify roofing membrane termination and base flashings are in place, sealed, and secure.

C. Beginning of installation means acceptance of existing conditions.

3.2 PREPARATION

A. Field measure site conditions prior to fabricating work.

B. Install starter and edge strips, and cleats before starting installation.

C. Insert flashings into reglets to form tight fit. Secure in place with lead wedges at maximum 12" o.c. Pack remaining spaces with lead wool. Seal flashings into reglets with sealant.

D. Secure flashings in place using concealed fasteners.

E. Lap, lock, seam and seal all joints.

F. Apply plastic cement compound between metal flashings and felt flashings.

G. Fit flashings tight in place. Make corners square, surfaces true and straight in planes, and lines accurate to profiles.

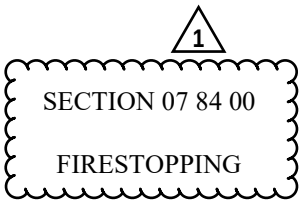
H. Seal metal joints watertight.

3.3 INSTALLATION

A. Conform to SMACNA manual.

END OF SECTION

ADDENDUM 1, EXHIBIT "A"



PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes through-penetration firestop systems for penetrations through the following fire-resistance-rated assemblies, including both empty openings and openings containing penetrating items:
   1. Floors.
   2. Roofs.
   3. Walls and partitions.
   4. Smoke barriers.
   5. Construction enclosing compartmentalized areas.

B. Related Sections include the following:
   1. Section 03 30 00 "Cast-in-Place Concrete" for construction of openings in concrete slabs and walls.
   2. Division 7 Section "Insulation and Isolation" for safing insulation and accessories.
   3. Division 22 Sections specifying piping penetrations.
   4. Division 23 Sections specifying duct penetrations.
   5. Division 26 Sections specifying cable and conduit penetrations.

1.3 PERFORMANCE REQUIREMENTS

A. General: For the following constructions, provide through-penetration firestop systems that are produced and installed to resist spread of fire according to requirements indicated, resist passage of smoke and other gases, and maintain original fire-resistance rating of assembly penetrated.
   1. Fire-resistance-rated load-bearing walls, including partitions, with fire-protection-rated openings.
   2. Fire-resistance-rated non-load-bearing walls, including partitions, with fire-protection-rated openings.
   3. Fire-resistance-rated floor assemblies.
   4. Fire-resistance-rated roof assemblies.

B. F-Rated Systems: Provide through-penetration firestop systems with F-ratings indicated, as determined per ASTM E 814, but not less than that equaling or exceeding fire-resistance rating of constructions penetrated.

C. T-Rated Systems: For the following conditions, provide through-penetration firestop systems with T-ratings indicated, as well as F-ratings, as determined per ASTM E 814, where systems protect penetrating items exposed to potential contact with adjacent materials in occupiable floor areas:
   1. Penetrations located outside wall cavities.
   2. Penetrations located outside fire-resistive shaft enclosures.
   3. Penetrations located in construction containing fire-protection-rated openings.

ADDENDUM 1, EXHIBIT "A"

4. Penetrating items larger than 4 inch diameter nominal pipe or 16 sq. in. in overall cross-sectional area.

D. For through-penetration firestop systems exposed to view, traffic, moisture, and physical damage, provide products that after curing do not deteriorate when exposed to these conditions both during and after construction.
1. For piping penetrations for plumbing and wet-pipe sprinkler systems, provide moisture-resistant through-penetration firestop systems.
2. For floor penetrations with annular spaces exceeding 4 inches in width and exposed to possible loading and traffic, provide firestop systems capable of supporting floor loads involved either by installing floor plates or by other means.
3. For penetrations involving insulated piping, provide through-penetration firestop systems not requiring removal of insulation.

E. For through-penetration firestop systems exposed to view, provide products with flame-spread ratings of less than 25 and smoke-developed ratings of less than 450, as determined per ASTM E 84.

1.4 SUBMITTALS

A. Product Data: For each type of through-penetration firestop system product indicated.

B. Shop Drawings: For each through-penetration firestop system, show each kind of construction penetrated, relationships to adjoining construction and kind of penetrating item. Include firestop design designation of testing and inspecting agency acceptable to authorities having jurisdiction that evidences compliance with requirements for each condition indicated.
1. Submit documentation , including illustrations, from a qualified testing and inspecting agency that is applicable to each through-penetration firestop system configuration for construction and penetrating items.

C. Qualification Data: For firms and persons specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.

D. Product Certificates: Signed by manufacturers of through-penetration firestop system products certifying that products furnished comply with requirements.

E. Product Test Reports: From a qualified testing agency indicating through-penetration firestop system complies with requirements, based on comprehensive testing of current products.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: An experienced installer who has completed through-penetration firestop systems similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.

B. Source Limitations: Obtain through-penetration firestop systems, for each kind of penetration and construction condition indicated, from a single manufacturer.

C. Fire-Test-Response Characteristics: Provide through-penetration firestop systems that comply with the following requirements and those specified in "Performance Requirements" Article:
1. Firestopping tests are performed by a qualified testing and inspecting agency. A qualified testing and inspecting agency is UL, SFM (State Fire Marshal) or another agency performing testing and follow-up inspection services for firestop systems acceptable to authorities having jurisdiction.

ADDENDUM 1, EXHIBIT "A"

2. Through-penetration firestop systems are identical to those tested per ASTM E 814. Provide rated systems complying with the following requirements:.
   a. Through-penetration firestop system products bear classification marking of qualified testing and inspecting agency.
   b. Through-penetration firestop systems correspond to those indicated by reference to through-penetration firestop system designations listed by the following:
      1) UL in "Fire Resistance Directory."
      2) ITS in "Directory of Listed Products."
      3) State Fire Marshal Listed

1.6 DELIVERY, STORAGE, AND HANDLING

A. Deliver through-penetration firestop system products to Project site in original, unopened containers or packages with intact and legible manufacturers' labels identifying product and manufacturer; date of manufacture; lot number; shelf life, if applicable; qualified testing and inspecting agency's classification marking applicable to Project; curing time; and mixing instructions for multi-component materials.

B. Store and handle materials for through-penetration firestop systems to prevent their deterioration or damage due to moisture, temperature changes, contaminants, or other causes.

1.7 PROJECT CONDITIONS

A. Environmental Limitations: Do not install through-penetration firestop systems when ambient or substrate temperatures are outside limits permitted by through-penetration firestop system manufacturers or when substrates are wet due to rain, frost, condensation, or other causes.

B. Ventilate through-penetration firestop systems per manufacturer's written instructions by natural means or, where this is inadequate, forced-air circulation.

1.8 COORDINATION

A. Coordinate construction of openings and penetrating items to ensure that through-penetration firestop systems are installed according to specified requirements.

B. Coordinate sizing of sleeves, openings, core-drilled holes, or cut openings to accommodate through-penetration firestop systems.

C. Do not cover up through-penetration firestop system installations that will become concealed behind other construction until Owner's inspecting agency and building inspector, if required by authorities having jurisdiction, have examined each installation.

END OF SECTION

ADDENDUM 1, EXHIBIT "A"

SECTION 08 71 00
DOOR HARDWARE

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Door hardware, including electric hardware.
2. Storefront and entrance door hardware.
3. Power supplies for electric hardware.

B. Related Divisions:

1. Division 07 – sealant at exterior thresholds
2. Division 08 – metal doors and frames, interior aluminum frames, wood doors, integrated security systems, specialty doors, storefront and glazed curtainwall systems.
3. Division 28 – security access systems

C. Specific Omissions: Hardware for the following is specified or indicated elsewhere.

1. Windows.
2. Cabinets, including open wall shelving and locks.
3. Signs, except where scheduled.
4. Toilet accessories, including grab bars.
5. Installation.
6. Rough hardware.
7. Conduit, junction boxes & wiring.
8. Folding partitions, except cylinders where detailed.
9. Sliding aluminum doors, except cylinders where detailed.
10. Access doors and panels, except cylinders where detailed.
11. Corner Guards.
12. Welded steel gates and supports. (Except as scheduled)

1.2 REFERENCES**:**

A. Use date of standard in effect as of Bid date.

1. American National Standards Institute
    a) ANSI 156.18 – Materials and Finishes.
2. BHMA – Builders Hardware Manufacturers Association
3. 2019 California Building Code
    a) Chapter 11B – Accessibility To Public Buildings, Public Accommodations, Commercial Buildings and Public Housing
4. DHI – Door and Hardware Institute
5. NFPA – National Fire Protection Association
    a) NFPA 80 2019 Edition – Standard for Fire Doors and Other Opening Protectives.
    b) NFPA 105 – Smoke and Draft Control Door Assemblies
    c) NFPA 252 – Fire Tests of Door Assemblies
6. UL – Underwriters Laboratories
    a) UL10C – Positive Pressure Fire Tests of Door Assemblies.

ADDENDUM 1, EXHIBIT "A"

b) UL 305 – Panic Hardware

7. WHI – Warnock Hersey Incorporated State of California Building Code
8. Local applicable codes
9. SDI – Steel Door Institute
10. WI – Woodwork Institute
11. AWI – Architectural Woodwork Institute
12. NAAMM – National Association of Architectural Metal Manufacturers

B. Abbreviations

1. Manufacturers**:** see table at 2.1.A of this section
2. Finishes**:** see 2.7 of this section.

1.3 SUBMITTALS & SUBSTITUTIONS

A. SUBMITTALS**:** Submit six copies of schedule per D. Only submittals printed one sided will be accepted and reviewed. Organize vertically formatted schedule into "Hardware Sets" with index of doors and headings, indicating complete designations of every item required for each door or opening. Minimum 10pt font size. Include following information**:**

1. Type, style, function, size, quantity and finish of hardware items.
2. Use BHMA Finish codes per ANSI A156.18.
3. Name, part number and manufacturer of each item.
4. Fastenings and other pertinent information.
5. Location of hardware set coordinated with floor plans and door schedule.
6. Explanation of abbreviations, symbols, and codes contained in schedule.
7. Mounting locations for hardware.
8. Door and frame sizes, materials and degrees of swing.
9. List of manufacturers used and their nearest representative with address and phone number.
10. Catalog cuts.
11. Point-to-point wiring diagrams.
12. Manufacturer's technical data and installation instructions for electronic hardware.
13. Date of jobsite visit. Bid and submit manufacturer's updated/improved item if scheduled item is discontinued.

B. Deviations**:** Highlight, encircle or otherwise identify deviations from "Schedule of Finish Hardware" on submittal with notations clearly designating those portions as deviating from this section.

C. If discrepancy between drawings and scheduled material in this section, bid the more expensive of the two choices, note the discrepancy in the submittal and request direction from Architect for resolution.

D. Substitutions per Division 1. Include product data and indicate benefit to the Project. Furnish operating samples on request.

E. Items listed with no substitute manufacturers have been requested by Owner to meet existing standard.

F. Furnish as-built/as-installed schedule with closeout documents, including keying schedule, riser and point-to-point wiring diagrams, manufacturers' installation, adjustment and maintenance information, and supplier's final inspection report.

1.4 QUALITY ASSURANCE**:**

A. Qualifications**:**

ADDENDUM 1, EXHIBIT "A"

1. Hardware supplier**:** direct factory contract supplier who employs a certified architectural hardware consultant (AHC), available at reasonable times during course of work for project hardware consultation to Owner, Architect and Contractor.

    a) Responsible for detailing, scheduling and ordering of finish hardware. Detailing implies that the submitted schedule of hardware is correct and complete for the intended function and performance of the openings.

B. Hardware**:** Free of defects, blemishes and excessive play. Obtain each kind of hardware (latch and locksets, exit devices, hinges and closers) from one manufacturer.

C. Exit Doors**:** Operable from inside with single motion without the use of a key or special knowledge or effort.

D. Fire-Rated Openings**:** NFPA 80 compliant. Hardware UL10C (positive pressure) compliant for given type/size opening and degree of label. Provide proper latching hardware, non-flaming door closers, approved-bearing hinges, and resilient seals. Coordinate with wood door section for required intumescent seals. Furnish openings complete.

E. Furnish hardware items required to complete the work in accordance with specified performance level and design intent, complying with manufacturers' instructions and code requirements.

F. Pre-Installation Meetings**:** Initiate and conduct with supplier, installer and related trades, coordinate materials and techniques, and sequence complex hardware items and systems installation. Include manufacturers' representatives of locks, panic hardware and door closers in the meetings. Convene prior to commencement of related work.

1.5 DELIVERY, STORAGE AND HANDLING**:**

A. Delivery**:** coordinate delivery to appropriate locations (shop or field).

1. Permanent keys and cores**:** secured delivery direct to Owner's representative.

B. Acceptance at Site**:** Items individually packaged in manufacturers' original containers, complete with proper fasteners and related pieces. Clearly mark packages to indicate contents, locations in hardware schedule and door numbers.

C. Storage**:** Provide securely locked storage area for hardware, protect from moisture, sunlight, paint, chemicals, dust, excessive heat and cold, etc.

1.6 PROJECT CONDITIONS AND COORDINATION**:**

A. Where exact types of hardware specified are not adaptable to finished shape or size of members requiring hardware, provide suitable types having as nearly as practical the same operation and quality as type specified, subject to Architect's approval.

B. Coordination**:** Coordinate hardware with other work. Furnish hardware items of proper design for use on doors and frames of the thickness, profile, swing, security and similar requirements indicated, as necessary for proper installation and function, regardless of omissions or conflicts in the information on the Contract Documents. Furnish related trades with the following information**:**

1. Location of embedded and attached items to concrete.
2. Location of wall-mounted hardware, including wall stops.
3. Location of finish floor materials and floor-mounted hardware.
4. At masonry construction, coordinate with the anchoring and hollow metal supplier prior to frame installation by placing a strip of insulation, wood, or foam, on the back of the hollow metal frame behind the rabbet section for continuous hinges, as well as at rim panic hardware strike locations, silencers, coordinators, and door closer arm locations. When the frame is grouted in place, the backing will allow drilling and tapping without dulling or breaking the installer's bits.

ADDENDUM 1, EXHIBIT "A"

5. Locations for conduit and raceways as needed for electrical, electronic and electro-pneumatic hardware items. Fire/life-safety system interfacing. Point-to-point wiring diagrams plus riser diagrams to related trades.
6. Coordinate: flush top rails of doors at outswinging exteriors, and throughout where adhesive-mounted seals occur.
7. Manufacturers' templates to door and frame fabricators.

C. Check Shop Drawings for doors and entrances to confirm that adequate provisions will be made for proper hardware installation.

D. Environmental considerations**:** segregate unused recyclable paper and paper product packaging, uninstalled metals, and plastics, and have these sent to a recycling center.

E. Prior to submittal, carefully inspect existing conditions to verify finish hardware required to complete Work, including sizes, quantities, existing hardware scheduled for re-use, and sill condition material. If conflict between the specified/scheduled hardware and existing conditions, submit request for direction from Architect. Include date of jobsite visit in the submittal.

1. Submittals prepared without thorough jobsite visit by qualified hardware expert will be rejected as non-compliant.

1.7 WARRANTY**:**

A. Part of respective manufacturers' regular terms of sale. Provide manufacturers' written warranties.

1 B. Include factory order numbers with close-out documents to validate warranty information, required for Owner in making future warranty claims:

C. Minimum warranties:

1.	Locksets**:**	Three years
2.	Exit Devices**:**	Three years mechanical
3.	Closers**:**	Thirty years mechanical
4.	Hinges**:**	Two years
5.	Other Hardware	Two years

1.8 COMMISSIONING**:**

A. Conduct these tests prior to request for certificate of substantial completion**:**

1. With installer present, test door hardware operation with climate control system and stairwell pressurization system both at rest and while in full operation.
2. With installer, access control contractor and electrical contractor present, test electrical, electronic and electro-pneumatic hardware systems for satisfactory operation.
3. With installer and electrical contractor present, test hardware interfaced with fire/life-safety system for proper operation and release.

1.9 REGULATORY REQUIREMENTS**:**

B. Locate latching hardware between 34 inches to 44 inches above the finished floor, per 2019 California Building Code, Section 11B-404.2.7.

1. Panic hardware: locate between 36 inches to 44 inches above the finished floor.

ADDENDUM 1, EXHIBIT "A"

C. Handles, pull, latches, locks, other operable parts on accessible doors shall comply with CBC Section 11B-309.4 and shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. Operable parts of such hardware shall be 34" minimum and 44" maximum above finish floor or ground. Where sliding doors are in the fully open position,operating hardware shall be exposed and usable from both sides CBC Section 11B-404.2.7.

D. The force for pushing or pulling open a door shall be as follows: CBC Section 11B-404.2.9.

1. **Interior hinged doors, sliding or folding doors, and exterior hinged doors: 5 pounds (22.2 N) maximum. Required fire doors: the minimum opening force allowable by the DSA authority, not to exceed 15 pounds (66.7N). These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door in a closed position.**

2. **The force required for activating any operable parts, such as lever hardware, or disengaging other devices shall be 5 pounds (22.2N) maximum to comply withCBC Section 11B-309.4.**

E. Door closing speed shall be as follows: CBC 11B-404.2.8

1. Closer shall be adjusted so that the required time to move a door from an open position of 90 degrees to a position of 12 degrees from the latch is 5 seconds minimum

2. Spring hinges shall be adjusted so that the required time to move a door from an open position of 70 degrees to the closed position is 1.5 seconds minimum

F. Smooth surfaces at bottom 10 inches of push sides of doors, facilitating push-open with wheelchair footrests, per 2019 California Building Code Section 11B-404.2.10.

1. Applied kickplates and armor plates: bevel the left and right edges; free of sharp or abrasive edges.

2. Tempered glass doors without stiles: bottom rail may be less than 10 inches if top leading edge is tapered 60 degrees minimum.

G. Door opening clear width no less than 32 inches, measured from face of frame stop, or edge of inactive leaf of pair of doors, to door face with door opened to 90 degrees. Hardware projection not a factor in clear width if located above 30 inches and below 80 inches, and the hardware projects no more than 4 inches. 2019California Building Code Section 11B-404.2.3.

1. Exception**:** doors not requiring full passage through the opening, that is, to spaces less than 24 inches in depth, may have the clear opening width reduced to 20 inches. Example**:** shallow closets.

2. Door closers and overhead stops: not less than 78 inches above the finished floor or ground, per 2019California Building Code 11B-307.4.

H. Thresholds**:** floor or landing no more than 0.50 inches below the top of the threshold of the doorway, per 2019California Building Code Section 11B-404.2.5. Vertical rise no more than 0.25 inches, change in level between 0.25 inches and 0.50 inches**:** beveled to slope no greater than 1**:**2 (50 percent slope). 2019California Building Code Section 11B-303.2 & ~.3.

I. Floor stops**:** Do not locate in path of travel. Locate no more than 4 inches from walls, per DSA Policy #99-08 (Access).

J. Pairs of doors with independently-activated hardware both leafs**:** limit swing of right-hand or right-hand-reverse leaf to 90 degrees to protect persons reading wall-mounted tactile signage, per 2019California Building Code Section 11B-703.4.2.1

ADDENDUM 1, EXHIBIT "A"

K. Door and door hardware encroachment**:** when door is swung fully-open into means-of-egress path, the door may not encroach/project more than 7 inches into the required exit width, with the exception of door release hardware such as lockset levers or panic hardware. These hardware items must be located no less than 34-inches and no more than **44-inches maximum** above the floor/ground. 2019California Building Code, Section 1005.7.1.

3. In I-2 occupancies, latch release hardware is not permitted to project in the required exit width, regardless of its mounting height, per 2019California Building Code, Section 1005.7.1 at Exception 1.

L. Hardware (including panic hardware) shall not be provided with "night latch" (NL) function for any accessible doors or gates unless the following conditions are met per DSA interpretation 10-08 DSA/AC (external), revised 4/28/09. Such conditions must be clearly demonstrated and indicated in the specifications:

1. Such hardware has dogging feature

2. It is dogged during the time the facility is open

3. Such dogging operation is performed only by employees as their job function (non-public use)

ADDENDUM 1, EXHIBIT "A"

PART 2 PRODUCTS

2.1 MANUFACTURERS:

A. Listed acceptable manufacturers: these will be considered; submit for review products with equivalent function and features of scheduled products.

1

ITEM:	MANUFACTURER:	ACCEPTABLE:
Hinges	(IVE) Ives	District Standard
Continuous Hinges	(IVE) Ives	District Standard
Key System	(SCH) Schlage	District Standard
Mechanical Locks	(SCH) Schlage	District Standard
Electronic Locks	(SCE) Schlage Electronics	District Standard
Exit Devices	(VON) Von Duprin	District Standard
Closers	(LCN) LCN	District Standard
Auto Flush Bolts	(IVE) Ives	District Standard
Coordinators	(IVE) Ives	District Standard
Silencers	(IVE) Ives	District Standard
Push & Pull Plates	(IVE) Ives	District Standard
Kickplates	(IVE) Ives	District Standard
Stops & Holders	(IVE) Ives	District Standard
Overhead Stops	(GLY) Glynn-Johnson	District Standard
Thresholds	(ZER) Zero	Pemko, NGP
Seals & Bottoms	(ZER) Zero	Pemko, NGP
~~Aluminum Door Locks~~	~~(ADA) Adams Rite~~	~~Aluminum Door Locks~~

2.2 HINGING METHODS:

A. Drawings typically depict doors at 90 degrees, doors will actually swing to maximum allowable. Use wide-throw conventional or continuous hinges as needed up to 8 inches in width to allow door to stand parallel to wall for true 180-degree opening. Advise architect if 8-inch width is insufficient.

B. Doors 3'6" or wider use 5" X 41/2" heavy weight hinges

C. Doors 8'0" use 4 hinges and add 1 hinge for every foot thereafter

ADDENDUM 1, EXHIBIT "A"

D. Conform to manufacturer's published hinge selection standard for door dimensions, weight and frequency, and to hinge selection as scheduled. Where manufacturer's standard exceeds the scheduled product, furnish the heavier of the two choices; notify Architect of deviation from scheduled hardware.

E. Conventional Hinges: Steel or stainless steel pins and approved bearings. Hinge open widths minimum, but of sufficient throw to permit maximum door swing.

1

1. Outswinging exterior doors: non-ferrous with non-removable (NRP) pins and security studs.
2. Non-ferrous material exteriors and at doors subject to corrosive atmospheric conditions.

F. Continuous Hinges:

~~1. Geared type aluminum.~~

~~a) Use wide throw units where needed for maximum degree of swing, advise architect if commonly available hinges are insufficient.~~

~~b) If units are used at storefront openings, color coordinate hinge finish with storefront color. Custom anodizing and custom powdercoat finishes subject to Architect approval.~~

2. Pinned steel/stainless steel type: continuous stainless steel, 0.25-inch diameter stainless-steel hinge pin.
   a) Use engineered application-specific wide-throw units as needed to provide maximum swing degree of swing; advise architect if required width exceeds 8 inches.

~~G. Pivots: high strength forged bronze or stainless steel, tilt on precision bearing and bearing pin.~~

~~1. Bottom and intermediate pivots: adjustability of minus 0.063 inch, plus 0.125 inch.~~

~~H. Floor Closers: hydraulically controlled, cement case, maximum degree dead stop permitted by trim or adjacent structure. Special pins, floor pans and longer spindles when needed to accommodate floor and jamb conditions.~~

2.3 LOCKSETS, LATCHSETS, DEADBOLTS:

A. Mortise Locksets and Latchsets: as scheduled.

1. Chassis: cold-rolled steel, handing field-changeable without disassembly.
2. Universal lock case – 10 functions in one case.
3. Floating mounting tabs automatically adjusts to fit a beveled door edge.
4. Latchbolts: 0.75 inch throw stainless steel anti-friction type.
5. Lever Trim: through-bolted, accessible design, cast lever or solid extruded bar type levers as scheduled. Filled hollow tube design unacceptable.
   a) Spindles: security design independent breakaway. Breakage of outside lever does not allow access to inside lever's hubworks to gain wrongful entry.
   b) Inside lever applied by screwless shank mounting – no exposed trim mount screws.
   c) Levers rotate up or down for ease of use.
6. Furnish solid cylinder collars with wave springs. Wall of collar to cover rim of mortise cylinder.
7. Turnpieces: accessible offset turn-lever design not requiring pinching or twisting motions to operate.
8. Deadbolts: stainless steel 1-inch throw.
9. Electric operation: Manufacturer-installed continuous duty solenoid.
10. Strikes: 16 gage curved steel, bronze or brass with 1 inch deep box construction, lips of sufficient length to clear trim and protect clothing.

ADDENDUM 1, EXHIBIT "A"

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11. Scheduled Lock Series and Design: Schlage L series, 06N design.
12. Certifications:
    a) ANSI A156.13, 1994, Grade 1 Operational, Grade 2 Security.
    b) ANSI/ASTM F476-84 Grade 31 UL Listed.
13. Accessibility: Require not more than 5 lb to retract the latchbolt or deadbolt, or both, per CBC 2019 11B-404.2.7 and 11B-309.4.
14. Accepted substitutions: None

2.4 EXIT DEVICES / PANIC HARDWARE

A. General features:

1. Independent lab-tested 1,000,000 cycles.
2. Push-through push-pad design. No exposed push-pad fasteners, no exposed cavities when operated. Return stroke fluid dampeners and rubber bottoming dampeners, plus anti-rattle devices.
3. Deadlocking latchbolts, 0.75 inch projection.
4. End caps: impact-resistant, flush-mounted. No raised edges or lips to catch carts or other equipment.
5. No exposed screws to show through glass doors.
6. Non-handed basic device design with center case interchangeable with all functions, no extra parts required to effect change of function.
7. Releasable in normal operation with 15-pound maximum operating force per UBC Standard 10-4, and with 32-pound maximum pressure under 250-pound load to the door.
8. Accessibility: Require not more than 5 lb to retract the latchbolt, per CBC 2019 11B-404.2.7 and 11B-309.4.

B. Specific features:

1. Non-Fire Rated Devices: with cylinder dogging where specified.
2. Lever Trim: breakaway type, forged brass or bronze escutcheon min. 0.130 inch thickness, compression spring drive, match lockset lever design.
3. Fire-Labeled Devices: UL label indicating "Fire Exit Hardware". Vertical rod devices less bottom rod (LBR) unless otherwise scheduled.
4. Removable Mullions: Removable with single turn of building key. Securely reinstalled without need for key. Furnish storage brackets for securely stowing the mullion away from the door when removed.
5. Accepted substitutions: None

2.6 CLOSERS

A. Surface Closers: LCN 4040XP series.

1. Full rack-and-pinion type cylinder with removable non-ferrous cover and cast iron body. Double heat-treated pinion shaft, single piece forged piston, chrome-silicon steel spring.
2. ISO 2000 certified. Units stamped with date-of-manufacture code.
3. Independent lab-tested 10,000,000 cycles.
4. Non-sized, non-handed, and adjustable. Place closer inside building, stairs, and rooms.
5. Plates, brackets and special templating when needed for interface with particular header, door and wall conditions and neighboring hardware.
6. Adjust doors to open with not more than 5.0-pounds pressure to open at exterior doors and 5.0-pounds at interior doors. As allowed per 2019 California Building Code Section 11B-404.2.9, local authority may increase the allowable pressure for fire doors to achieve positive latching, but not to exceed 15-pounds.

ADDENDUM 1, EXHIBIT "A"

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a) Exception: exterior doors' pressure-to-open may be increased to 8.5-pounds if: at a single location, and one of a bank of eight leafs or fraction of eight, and one leaf of this bank is fitted with a low- or high-energy operator.

7. Separate adjusting valves for closing speed, latching speed and backcheck, fourth valve for delayed action where scheduled.
8. Extra-duty arms (EDA) at exterior doors scheduled with parallel arm units.
9. Exterior door closers: tested to 100 hours of ASTM B117 salt spray test, furnish data on request.
10. Exterior doors: seasonal adjustments not required for temperatures from 120 degrees F to -30 degrees F, furnish checking fluid data on request.
11. Non-flaming fluid, will not fuel door or floor covering fires.
12. Pressure Relief Valves (PRV) not permitted.
13. Accepted substitutions: None

2.7 OTHER HARDWARE

A. Automatic Flush Bolts: Low operating force design.

B. Overhead Stops: Non-plastic mechanisms and finished metal end caps. Field-changeable hold-open, friction and stop-only functions.

C. Kick Plates: Four beveled edges, .050 inches minimum thickness, height and width as scheduled. Sheet-metal screws of bronze or stainless steel to match other hardware.

D. Door Stops: Provide stops to protect walls, casework or other hardware.

1. Unless otherwise noted in Hardware Sets, provide wall type with appropriate fasteners. Where wall type cannot be used, provide floor type. If neither can be used, provide overhead type.
2. Locate overhead stops for maximum possible opening. Consult with Owner for furniture locations. Minimum: 90deg stop / 95deg deadstop. Note degree of opening in submittal.

1

E. Sound-reducing adjustable seals: coordinate lockset backsets, rim exit device strikes, and parallel arm closers. Fabricate 7ga "Z"-brackets as bridging pieces to facilitate installation. Brackets: mild carbon steel, or stainless steel.

F. Automatic door bottoms: low operating force units. Doors with automatic door bottoms plus head and jamb seals cannot require more than two pounds operating force to open when closer is disconnected.

1. Include automatic type door bottoms, as opposed to fixed sweeps, at stairs and elevator lobbies to allow fine-tuning of pressurization systems.

G. Thresholds: As scheduled and per details. Comply with CBC 2016 11B-404.2.5. Substitute products: certify that the products equal or exceed specified material's thickness. Proposed substitutions: submit for approval.

1. Saddle thresholds: 0.125 inches minimum thickness.
2. Exteriors: Seal perimeter to exclude water and vermin. Use sealant complying with requirements in Division 7 "Thermal and Moisture Protection". Minimum 0.25 inch diameter fasteners and lead expansion shield anchors, or Red-Head #SFS-1420 (or approved equivalent) Flat Head Sleeve Anchors. Zero International's #226, National Guard Products' "COMBO" or Pemko Manufacturing's "FHSL".
3. Fire-rated openings, 90-minutes or less duration: use thresholds to interrupt floor covering material under the door where that material has a critical radiant flux value less than 0.22 watts per square centimeter, per NFPA 253. Use threshold unit as scheduled. If none scheduled, include a 0.25in high 5in wide saddle in the bid, and request direction from Architect.

ADDENDUM 1, EXHIBIT "A"

4. Fire-rated openings, 3-hour duration: Thresholds, where scheduled, to extend full jamb depth.

~~5. Acoustic openings: Set units in full bed of Division 7 compliant, leave no air space between threshold and substrate.~~

6. Plastic plugs with wood or sheet metal screws are not an acceptable substitute for specified fastening methods.

7. Fasteners: Generally, exposed screws to be Phillips or Robertson drive. Pinned TORX drive at high security areas. Flat head sleeve anchors (FHSL) may be slotted drive. Sheet metal and wood screws: full-thread. Sleeve nuts: full length to prevent door compression.

H. Through-bolts: Do not use. Coordinate with wood doors; ensure provision of proper blocking to support wood screws for mounting panic hardware and door closers. Coordinate with metal doors and frames; ensure provision of proper reinforcement to support machine screws for mounting panic hardware and door closers.

1. Exception: surface-mounted overhead stops, holders, and friction stays.

I. Silencers: Interior hollow metal frames, 3 for single doors, 4 for pairs of doors. Leave no unfilled/uncovered pre-punched silencer holes. Intent: door bears against silencers, seals make minimal contact with minimal compression – only enough to effect a seal. Provide where seals are not used.

~~J. Wall & Floor mounted electromagnetic door holders: LCN's SEM series or approved equivalent. Incorporate into U.L. listed fire & life safety system, doors release to allow closure and latching when door's zone is in alarm state. Use minimum projection required to allow door to open as widely as allowed by wall conditions and projection of door hardware.~~

2.8 FINISH:

A. Generally: BHMA 626 Satin Chromium.

1. Areas using BHMA 626: furnish push-plates, pulls and protection plates of BHMA 630, Satin Stainless Steel, unless otherwise scheduled.

B. Aluminum items: Provide closest anodized finish to match other hardware, unless otherwise noted.

C. Door closers: factory powder coated to match other hardware, unless otherwise noted.

2.9 KEYING REQUIREMENTS:

A. Key System: Schlage Everest Restricted Keyway. FSIC throughout. Initiate and conduct meeting(s) with Owner to determine system structure, furnish Owner's written approval of the system; do not order keys or cylinders without written confirmation of actual requirements from the Owner. Furnish temporary construction-keyed and permanent cylinders. Contractor to demonstrate to the Owner that temporary keys no longer operate the locking cylinders at the end of the project.

B. Contact District Locksmith for all School Projects.

ADDENDUM 1, EXHIBIT "A"

PART 3 - EXECUTION

3.1 ACCEPTABLE INSTALLERS**:**

A. Can read and understand manufacturers' templates, suppliers' hardware schedule and printed installation instructions. Can readily distinguish drywall screws from manufacturers' furnished fasteners. Available to meet with manufacturers' representatives and related trades to discuss installation of hardware.

3.2 PREPARATION**:**

A. Ensure that walls and frames are square and plumb before hardware installation. Make corrections before commencing hardware installation. Installation denotes acceptance of wall/frame condition.

B. Locate hardware per SDI-100 and applicable building, fire, life-safety, accessibility, and security codes.

1. Notify Architect of code conflicts before ordering material.
2. Locate latching hardware between 34 inches to 44 inches above the finished floor, per California Building Code, Section 1010.1.9.2 and 11B-404.2.7.
3. Locate panic hardware between 36 inches to 44 inches above the finished floor.
4. Where new hardware is to be installed near existing doors/hardware scheduled to remain, match locations of existing hardware.

C. Overhead stops**:** before installing, determine proposed locations of furniture items, fixtures, and other items to be protected by the overhead stop's action.

D. Existing frames and doors to be retrofitted with new hardware**:**

1. Field-verify conditions and dimensions prior to ordering hardware. Fill existing hardware cut outs not being reused by the new hardware. Remove existing hardware not being reused, return to Owner unless directed otherwise.
2. Remove existing floor closers not scheduled for reuse, fill cavities with non-shrinking concrete and finish smooth.
3. Cut and weld existing steel frames currently prepared with 2.25 inch height strikes. Cut an approximate 8 inch section from the strike jamb and weld in a reinforced section to accommodate specified hardware's strike.
4. Patch and weld flush filler pieces into existing door hardware preparations in steel doors and frames, leave surfaces smooth.
5. Glue in solid wood block fillers to fill cut outs in existing wood doors, sand surfaces smooth. Alternatively, use an approved epoxy-based wood filler product, submit product data for approval.

3.3 INSTALLATION

A. Install hardware per manufacturer's instructions and recommendations. Do not install surface-mounted items until finishes have been completed on substrate. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate for proper installation and operation. Remove and reinstall or replace work deemed defective by Architect.

1. Gaskets**:** install jamb-applied gaskets before closers, overhead stops, rim strikes, etc; fasten hardware over and through these seals. Install sweeps across bottoms of doors before astragals, cope sweeps around bottom pivots, trim astragals to tops of sweeps. **Sweeps to be located on the pull side of doors so not to encroach into the 10" min. high absolute smooth kick at each door.**

ADDENDUM 1, EXHIBIT "A"

2. When hardware is to be attached to existing metal surface and insufficient reinforcement exists, use RivNuts, NutSerts or similar anchoring device for screws.
3. Use manufacturers' fasteners furnished with hardware items, or submit Request for Substitution with Architect.
4. Replace fasteners damaged by power-driven tools.

B. Locate floor stops no more that 4 inches from walls and not within paths of travel. See paragraph 2.2 regarding hinge widths, door should be well clear of point of wall reveal. Point of door contact no closer to the hinge edge than half the door width. Where situation is questionable or difficult, contact Architect for direction.

C. Core concrete for exterior door stop anchors. Set anchors in approved non-shrink grout.

D. Locate overhead stops for minimum 90 degrees at rest and for maximum allowable degree of swing.

E. Drill pilot holes for fasteners in wood doors and/or frames.

F. Lubricate and adjust existing hardware scheduled to remain. Carefully remove and give to Owner items not scheduled for reuse.

G. Field-verify existing conditions and measurements prior to ordering hardware. Fill existing hardware cut outs not being used by the new hardware.

H. Remove existing hardware not being reused. Tag and bag removed hardware, turn over to Owner.

I. Where existing wall conditions will not allow door to swing using the scheduled hinges, provide wide-throw hinges and if needed, extended arms on closers.

J. Provide manufacturer’s recommended brackets to accommodate the mounting of closers on doors with flush transoms.

3.4. ADJUSTING

A. Adjust and check for proper operation and function. Replace units, which cannot be adjusted to operate freely and smoothly.

1. Hardware damaged by improper installation or adjustment methods**:** repair or replace to Owner’s satisfaction.
2. Adjust doors to fully latch with no more than 1 pound of pressure.

a) Door closer valves: turn valves clockwise until at bottom – do not force. Turn valves back out one and one-half turns and begin adjustment process from that point. Do not force valves beyond three full turns counterclockwise.

3. Adjust delayed-action closers on fire-rated doors to fully close from fully-opened position in no more than 10 seconds.
4. Adjust door closers per 1.9 this section.

B. Fire-rated doors**:**

1. Wood doors**:** adjust to 0.125 inches clearance at heads, jambs, and meeting stiles.
2. Steel doors**:** adjust to 0.063 inches minimum to 0.188 inches maximum clearance at heads, jambs, and meeting stiles.
3. Adjust wood and steel doors to 0.75 inches maximum clearance (undercut) above threshold or finish floor material under door.

C. Final inspection**:** Installer to provide letter to Owner that upon completion installer has visited the Project and has accomplished the following**:**

1. Has re-adjusted hardware.

ADDENDUM 1, EXHIBIT "A"

2. Has evaluated maintenance procedures and recommend changes or additions, and instructed Owner's personnel.
3. Has identified items that have deteriorated or failed.
4. Has submitted written report identifying problems.

3.5 DEMONSTRATION**:**

A. Demonstrate mechanical hardware and electrical, electronic and pneumatic hardware systems, including adjustment and maintenance procedures.

3.6 PROTECTION/CLEANING**:**

A. Cover installed hardware, protect from paint, cleaning agents, weathering, carts/barrows, etc. Remove covering materials and clean hardware just prior to substantial completion.

B. Clean adjacent wall, frame and door surfaces soiled from installation / reinstallation process.

3.7 SCHEDULE OF FINISH HARDWARE

A. See door schedule in drawings for hardware set assignments.

B. Do not order material until submittal has been reviewed, stamped, and signed by Architect's door hardware consultant.

C. Manufacturers and their abbreviations used in this schedule:

B/O	By Others
GLY	Glynn-Johnson Hardware
IVE	H. B. Ives
KNO	Knox Company
LCN	LCN Closers
SCE	Schlage Electronics
SCH	Schlage Lock Company
VON	Von Duprin
ZER	Zero International

D. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.

E. Hardware Groups:

ADDENDUM 1, EXHIBIT "A"

70948 OPT0257482 Version 1

Hardware Group No. 1

For use on Door #(s):
201A

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	CONT. HINGE	112XY		628	IVE
1	EA	REMOVABLE MULLION	KR4954		689	VON
1	EA	PANIC HARDWARE	CDSI-PA-AX-99-EO		626	VON
1	EA	PANIC HARDWARE	CDSI-PA-AX-99-NL-OP-110MD		626	VON
1	EA	RIM CYLINDER	20-057 ICX		626	SCH
1	EA	MORTISE CYLINDER	20-061 ICX (MULLION)		619	SCH
2	EA	MORTISE CYLINDER	20-061 ICX X XQ11-948 (DOGGING) DOGGING		626	SCH
4	EA	FSIC CORE	23-030 TIE TO EXISTING KEY SYSTEM		626	SCH
1	EA	DOOR PULL	VR910 DT		630	IVE
1	EA	DOOR PULL	VR910 NL		630	IVE
2	EA	SURFACE CLOSER	4040XP SCUSH		689	LCN
2	EA	MOUNTING PLATE	4040-18		689	LCN
2	EA	MULLION SEAL	8780NBK PSA		BK	ZER
1		SEALS	BY DOOR MANUFACTURER			B/O
2	EA	DOOR SWEEP	39A		A	ZER
1	EA	THRESHOLD	103A OR PER SILL DETAIL		A	ZER

FIELD VERIFY NEW HARDWARE IS COMPATIBLE WITH EXISTING DOOR/FRAME CONDITIONS PRIOR TO PLACING ORDER

5 INCH MINIMUM STILES REQUIRED FOR HARDWARE SPECIFIED

ADDENDUM 1, EXHIBIT "A"

Hardware Group No. 2

For use on Door #(s):
603A 604A

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP		630	IVE
1	EA	CLASSROOM DEAD LOCK	L9463T L283-721 XB11-720		626	SCH
1	EA	FSIC CORE	23-030 TIE TO EXISTING KEY SYSTEM		626	SCH
1	EA	PUSH PLATE	8200 8" X 16"		630	IVE
1	EA	DOOR PULL	VR900		630	IVE
1	EA	SURFACE CLOSER	4040XP EDA		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	FLOOR STOP	FS18S/L AS REQ		BLK	IVE
1	EA	RAIN DRIP	142AA - OMIT IF SHELTERED		AA	ZER
1	SET	GASKETING	429AA-S HEAD AND JAMBS INSTALL HEAD SEAL BEFORE CLOSER		AA	ZER
1	EA	DOOR SWEEP	39A		A	ZER
1	EA	THRESHOLD	103A OR PER SILL DETAIL		A	ZER

FIELD VERIFY NEW HARDWARE IS COMPATIBLE WITH EXISTING DOOR/FRAME CONDITIONS PRIOR TO PLACING ORDER

Hardware Group No. 3

For use on Door #(s):
202A 203A

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	CLASSROOM DEAD LOCK	L9463T L283-721 XB11-720		626	SCH
1	EA	FSIC CORE	23-030 TIE TO EXISTING KEY SYSTEM		626	SCH
1	EA	PUSH PLATE	8200 8" X 16"		630	IVE
1	EA	DOOR PULL	VR900 SNB		630	IVE
1	EA	SURFACE CLOSER	4040XP EDA		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	FLOOR STOP	FS439		630	IVE
1	EA	GASKETING	188SBK PSA		BK	ZER

FIELD VERIFY NEW HARDWARE IS COMPATIBLE WITH EXISTING DOOR/FRAME CONDITIONS PRIOR TO PLACING ORDER

ADDENDUM 1, EXHIBIT "A"

1 Hardware Group No. 4

For use on Door #(s):
209A 215A

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 5 X 4.5 NRP		630	IVE
1	EA	PANIC HARDWARE	CDSI-PA-AX-99-NL-OP-110MD		626	VON
1	EA	RIM CYLINDER	20-057 ICX		626	SCH
1	EA	MORTISE CYLINDER	20-061 ICX X XQ11-948 (DOGGING) DOGGING		626	SCH
2	EA	FSIC CORE	23-030 TIE TO EXISTING KEY SYSTEM		626	SCH
1	EA	DOOR PULL	VR910 NL		630	IVE
1	EA	SURFACE CLOSER	4040XP EDA		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	FLOOR STOP	FS18S/L AS REQ		BLK	IVE
1	EA	RAIN DRIP	142AA - OMIT IF SHELTERED		AA	ZER
1	SET	GASKETING	429AA-S HEAD AND JAMBS INSTALL HEAD SEAL BEFORE CLOSER		AA	ZER
1	EA	DOOR SWEEP	39A		A	ZER
1	EA	THRESHOLD	103A OR PER SILL DETAIL		A	ZER

FIELD VERIFY NEW HARDWARE IS COMPATIBLE WITH EXISTING DOOR/FRAME CONDITIONS PRIOR TO PLACING ORDER

END OF SECTION

ADDENDUM 1, EXHIBIT "A"

SECTION 09 21 16

GYPSUM BOARD ASSEMBLIES

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Metal channel ceiling framing.

B. Gypsum board.

C. Taped and sanded joint treatment.

D. Texture finish.

1.2 REFERENCES

A. ASTM International:
1. ASTM C1396 - Gypsum Wallboard.
2. ASTM C475 - Joint Treatment Materials for Gypsum Wallboard Construction.
3. ASTM C514 - Nails for the Application of Gypsum Wallboard.
4. ASTM C-1396 - Water Resistant Gypsum Backing Board.
5. ASTM C645 - Non-Load (Axial) Bearing Steel Studs, Runners (Track, and Rigid Furring Channels for Screw Application of Gypsum Board.
6. ASTM C754 - Installation of Steel Framing Members to Receive Screw Attached Gypsum Wallboard, Backing Board, or Water Resistant Backing Board.
7. ASTM C840 - Application and Finishing of Gypsum Board.
8. ASTM C1002 - Steel Drill Screws for the Application of Gypsum Board.
9. ASTM E90 - Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions.
10. ASTM C1177 - Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing
11. ASTM C1658 - Standard Specification for Glass Mat Gypsum Panels Section 7
12. ASTM D3273- Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber

1.3 QUALITY ASSURANCE

A. Applicator: Company specializing in gypsum board systems work with three years documented experience.

1.4 REGULATORY REQUIREMENTS

A. Conform to 2019 CBC Chapter 7, Section 703.1 and table 706.4, 707.3.10, 721.1 for fire rated assemblies.

B. Conform to 2019 CBC Chapter 25.

ADDENDUM 1, EXHIBIT "A"

1.5 ENVIRONMENTAL REQUIREMENTS

A. During cold weather, in areas receiving gypsum board installation, maintain temperature range between 55° F. to 70° F. for 24 hours before, during and after gypsum board and joint treatment application.

B. Provide ventilation during and following adhesives and joint treatment application. Use temporary air circulators in enclosed areas lacking natural ventilation. Under slow drying conditions, allow additional drying time between coats of joint treatment. Protect installed materials from drafts during hot, dry weather.

1.6 DELIVERY, STORAGE AND PROTECTION

A. Deliver materials to the project site with manufacturer's labels intact and legible. Handle materials with care to prevent damage. Deliver fire rated materials bearing testing agency label and required fire classification numbers.

B. Store materials inside under cover, stack flat, off of floor. Stack gypsum board so that long lengths are not over short lengths. Avoid overloading floor system. Store adhesives, joint treatment materials, metal items and gypsum board in a dry area.

PART 2 PRODUCTS

2.1 MANUFACTURER

A. Acceptable Manufacturers - Gypsum Board System
1. United States Gypsum Co. 800-874-4968
2. Gold Bond Building Products Div., 800-628-4625
3. Georgia Pacific Corp., 800-2256119.
4. Substitutions: Under provisions of Section 01 60 00.

2.2 GYPSUM BOARD MATERIALS

A. Glass Mat Firecode X Gypsum Board (Glass-Mat Panels Mold Tough): ASTM C1177 and meet Section 7 of ASTM C1658; 5/8 inch thick unless otherwise indicated, maximum permissible length; ends square cut, tapered and beveled edges. Scores a 10 in mold resistance per ASTM D3273.

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1. USG Sheetrock Glass Mat Panels Mold Tough

B. Fire Rated Gypsum Board: ANSI/ASTM C1396; fire resistive type, UL rated type x, type C or type ULIX as required by fire design; 5/8 inch thick unless otherwise indicated, maximum permissible length; ends square cut, tapered and beveled edges.
1. USG Sheetrock Firecode X Panels
2. USG Sheetrock Firecode C Panels
3. USG Sheeetrock EcoSmart Panels Firecode X (UL Type ULIX)

C. Moisture and Mold Resistant Gypsum Board: ASTM C1396 scoring 10 in mold resistance in accordance ASTM D3273; 5/8 inch thick unless otherwise indicated, maximum permissible length; ends square cut, tapered and beveled edges located in moisture sensitive areas.
1. USG Sheetrock Mold Tough ~~gypsum panels~~ Panels Fire Code X
2. USG Sheetrock EcoSmart ~~Mold Tough gypsum panels~~ Panels Mold Tough FireCode X

ADDENDUM 1, EXHIBIT "A"

1

2.3 GYPSUM BOARD SCHEDULE

A. Glass Mat Firecode X Gypsum Board:
1. Used in areas exposed to weather prior to full building enclosure.

B. Fire Rated Gypsum Board:
1. Used in all areas where gypsum board is specified unless noted otherwise in this schedule.

C. Moisture and Mold Resistant Gypsum Board:
1. Used on interior ceilings in moisture-prone areas, including student and staff restrooms, locker rooms, janitorial/custodial closets, and food preparation or storage spaces.

2.4 ACCESSORIES

A. Acoustical Sealant: Non-hardening, non-skinning, for use in conjunction with gypsum board suitable for STC rating required. USG Acoustical sealant manufactured by United States Gypsum Company.

B. Corner Beads: Paper faced, galvanized metal with 30 year warranty against edge cracking, USG Sheetrock B1 XW corner bead

C. Edge Trim: GA 201 and GA 216; Type LC bead with 30 year warranty against edge cracking, unless otherwise indicated. USG SHEETROCK Paper faced metal "J" trim, B9

D. Control Joints: CEMCO 093 control joints

E. Joint Materials: ASTM C475; reinforcing tape, joint compound, adhesive, water, and fasteners. Use tapes and compound recommended by gypsum board manufacturer for the use intended. Use ready mixed, drying type compounds except for moisture and glass mat panels subject to moisture after installation, use setting type joint compound, USG Easy Sand. Use taping compound for embedding tape and first coat over fasteners and flanges of corner beads and trim. Use topping compound for fill and finish coats.

F. Spray Texture Finish: Equivalent to USG Spray Texture Finish manufactured by United States Gypsum Company.

G. Fasteners:
1. To Metal: Self-drilling, self tapping, type S, countersunk bugle head, drywall screws, conforming to ASTM C646, for use with power driven tools.
2. To Wood: Type W screws length as required to provide minimum 3/4-inch penetration into wood and meet requirement of fire rating
3. Fire-Rated Construction: Type and length of fasteners to comply with 2019 CBC Chapter 7, Section 703.1 and table 706.4, 707.3.10, 721.1

H. Drywall Primer – USG Sheetrock First Coat

I. Skim Coat material – USG Sheetrock All-Purpose joint compound

ADDENDUM 1, EXHIBIT "A"

PART 3 EXECUTION

3.1 INSPECTION

A. Examine surfaces scheduled to receive gypsum board construction for conditions that will adversely affect execution, permanence and quality of work.

B. Do not proceed with installation until conditions are satisfactory.

C. Beginning of installation means acceptance of existing substrate.

D. Beware of a condition known as "critical lighting." This condition causes shadows that accentuate even the slightest surface variations. A pigmented sealer will provide tooth for succeeding decorative coating, but "does not" equalize smoothness or surface texture. Any corrective active of the drywall must be done by the drywall contractor prior to decorating.

3.2 CEILING FURRING INSTALLATION

A. Space 8 ga. hanger wires at 48" o.c. along carrying channels and within 6" of ends of carrying channel runs. Use suitable fasteners for connection to wood as detailed on drawings.

B. Install 1-1/2" carrying channels 36" o.c. and within 6" of walls. Position channels for proper ceiling height, level, and secure with hanger wire saddle-tied along channel. Provide 1" clearance between runners and abutting walls and partitions. At channel splices, interlock flanges overlap ends 12" and secure each end with double strand 16-ga. tie wire.

C. Erect metal furring channels at right angles to 1-1/2" carrying channels or main support members. Space furring 16" o.c. and within 6" of walls. Provide 1" clearance between furring ends and abutting walls and partitions. Secure furring to carrying channels with clips or saddle-tie to supports with double-strand 16 ga. tie wire. At splices, lap furring channels at least 8" and securely wire-tie each end with double-strand 16 ga. tie wire.

D. At light troffers or any openings that interrupt the carrying or furring channels, install additional cross reinforcing to restore lateral stability of grillage.

3.3 ACOUSTICAL ACCESSORIES INSTALLATION

A. Install resilient channels at maximum 24 inches on center. Locate joints over framing members.

B. Install acoustical sealant within partitions in accordance with manufacturer's instructions.

C. Install continuous beads of the specified acoustical sealant to produce an effective sound seal at intersections of all partitions with floors, ceilings, walls, columns and other abutting construction so that the entire perimeter is sealed.
   1. Apply two continuous beads of sealant, one on each side of the partition.
   2. Sealant shall be power gun applied in the joints.
   3. Backs of electrical boxes and similar appurtenances in the gypsum board shall be buttered with sealant and the perimeters sealed.

D. All materials used in sound rated partitions shall be the same manufacture as that used in the tested, rated and approved partition.

ADDENDUM 1, EXHIBIT "A"

3.4 GYPSUM BOARD INSTALLATION

A. Install gypsum board in accordance with ASTM C840 and manufacturer's instructions.

B. Framing members: Examine all surfaces to receive gypsum board. Make certain that framing is plumb and true.
   1. The fastening surface of any framing or furring member shall not vary more than 1/8 in. from the plane of the faces of adjacent framing or furring members.

C. Cutting: Cut gypsum board by scoring or by sawing, working from the face side. When cutting by scoring, the face paper shall be cut with a knife.

D. The gypsum board shall then be snapped back away from the cut face. The back paper may be broken by snapping the gypsum board in the reverse direction or the back paper may be cut.

E. All cut edges and ends shall be sanded, where necessary, to obtain neat joining when gypsum board is erected.

F. Cut-outs or small openings in gypsum board shall be scored in outline on the face and back before knocking out or shall be cut out with a saw or other suitable tool. Openings shall not be made by punching.

G. Neatly cut gypsum board to fit around all outlets and switch boxes. Where gypsum board meets projecting surfaces, scribe and neatly cut.

H. Apply gypsum board with long dimension at parallel to framing members, and all abutting ends over framing members. Stagger end joints.

I. Erect single layer fire rated gypsum board vertically, with edges and ends occurring over firm bearing.

J. Gypsum board of the maximum practicable length shall be used to minimize end joints. All end joints shall be neatly fitted and staggered. Joints on opposite sides of the partitions shall be so arranged as to occur on different studs.

K. At door openings, cut gypsum board so that no joints occur within 12 in. of the corners of door openings.

L. Use screws when fastening gypsum board to metal furring.

M. Use screws when fastening gypsum board to wood furring or framing except where nails are required for UL fire rated assembly.

N. Place control joints consistent with lines of building spaces as indicated.

O. Place corner beads at external corners. Use longest practical length. Place edge trim where gypsum board abutts dissimilar materials.

3.5 JOINT TREATMENT

A. Inspect gypsum board installation prior to applying joint treatment. Correct all defects before proceeding.

B. Taping and finishing compounds: Prepare and mix in accord with manufacturer's printed directions.

ADDENDUM 1, EXHIBIT "A"

C. Exposed surface of gypsum board in place shall be fully acceptable for application of deferred finishes to provide completed work free of flaws, with fasteners recessed and joints invisible.

D. Spread joint compound evenly over all joints using a suitable tool and fill fastener depressions and metal trim.

E. Center reinforcing tape on joint and press into fresh taping compound. Wipe down with sufficient pressure to remove excess compound and to leave sufficient compound under tape for proper bond, feathering and leaving free from blisters and tape wrinkles. Allow to dry.

F. Fold reinforcing tape along center and apply to interior angles, following procedure for joints.

G. With fine sandpaper, lightly sand the dry compound between coats to remove irregularities.

H. Second coat of taping compound shall be applied to joints, feathering approximately 3 in. beyond edges of tape. Apply another coat to fastener heads, leaving flush with gypsum board surfaces.

I. After sanding second coat, apply final skim coat feathering out approximately 2 in. beyond second coat. Apply a third coat to all fastener depressions and metal trim. Skim-coat all interior angles.

J. After drying, sand lightly all surfaces; using caution not to excessively damage the face paper of the gypsum board.

3.6 FINISHING

A. All drywall surfaces to receive paint shall receive a standard "orange-peel" texture. After the gypsum board is completely taped and sanded, apply a uniform splatter spray of finishing compound, Level 3. Prior to applying texture, roller apply a uniform coat of drywall primer to entire surface

B. All drywall to receive vinyl wall covering or vinyl wall covering over tackable underlayment shall be taped, sanded, and prepared for the wall finish, Level 3.

C. Where one (1) hour drywall assemblies are located above the ceiling as shown on the plans, the following applies: Drywall finish above the ceiling line does not require sanding of the taped joints or spackled screws, Level 1.

D. Where gloss, semi-gloss, enamel or non-textured flat paints are used or where severe lighting conditions occur provide a Level 5 finish. A Level 5 finish per ASTM C840 requires a skim coat of joint compound and a uniform coat of drywall primer roller applied.

E. Glass Mat panels will require two skim coats and a drywall primer roller applied

F. Levels of gypsum board finish:

1. Level 1: All joints and interior angles shall have tape embedded in joint compound. Surface shall be free of excess joint compound. Tool marks and ridges are acceptable.

2. Level 2: All joints and interior angles shall have a tape embedded in joint compound and one separate coat of joint compound applied over all joints, angles, fastener heads, and accessories. Surface shall be free of excess joint compound tool marks and ridges are acceptable provided they do not impair the installation of any wall covering.

3. Level 3: All joints and interior angels shall have tape embedded in joint compound and two separate coats of joint compound applied over all joints, angles, fastener heads, and accessories. All joint compound shall be smooth and free of tool marks and ridges. The prepared surface shall be coated with a drywall primer prior to the application of final

ADDENDUM 1, EXHIBIT "A"

finishes. See painting specification Section 09 90 00 for paint system to go over drywall primer.

4. Level 4: All joints and interior angels shall have tape embedded in joint compound and three separate coats of joint compound applied over all joints, angles, fastener heads, and accessories. All joint compound shall be smooth and free of tool marks and ridges. The prepared surface shall be coated with a drywall primer prior to the application of final finishes. See painting specification Section 09 90 00 for paint system to go over drywall primer.

5. Level 5: All joints and interior angles shall have tape embedded in joint compound and three separate coats of joint compound applied over all joints, angels, fastener heads, and accessories. A thin skim coat of joint compound, shall be applied to the entire surface. The surface shall be smooth and free of tool marks and ridges. The prepared surface shall be coated with a drywall primer prior to the application of finish paint. See painting specification Section 09 90 00 for paint system to go over drywall primer.

3.7 TOLERANCES

A. Maximum Variation from True Flatness: 1/8 inch in 10 feet in any direction. (please note this is not attainable with a drywall system)

3.8 CLEAN-UP

A. Remove all rubbish and surplus materials from premises and dispose of it legally away from site.

END OF SECTION

ADDENDUM 1, EXHIBIT "A"

SECTION 09 30 11

CERAMIC TILE FLOOR FINISH

PART 1 GENERAL

1.1 SECTION INCLUDES

1

A. Ceramic tile floor and base finish using the **full-setting bed** application method.

1.2 REFERENCES

A. Tile Council of America:
1. ANSI/TCA A108.1 - Glazed Wall Tile, Ceramic Mosaic Tile, Quarry Tile and Paver Tile Installed with Portland Cement Mortar.
2. ANSI/TCA A108.5 - Ceramic Tile Installed with Dry-Set Portland Cement Mortar or Latex Portland Cement Mortar.
3. ANSI/TCA A118.4 - Latex-Portland Cement Mortar.
4. ANSI/TCA A137.1 - Specifications for Ceramic Tile.
5. Tile Council of North America (TCNA) - Handbook for Ceramic, Glass, and Stone Tile Installation.

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1.3 SUBMITTALS

A. Submit shop drawings under provisions of Section 01 33 00.

B. Submit shop drawings indicating tile layout and patterns, color arrangement, perimeter conditions, and junctions with dissimilar materials.

C. Submit samples under provisions of Section 01 33 00.

D. Mount tile and apply grout on two 24 x 24 inch plywood panels, to indicate pattern, color variations, and grout joint size variations.

E. Submit manufacturer's installation instructions under provisions of Section 01 33 00.

F. Submit manufacturer's certificate under provisions of Section 01 33 00 that products meet or exceed ANSI/~~TCA~~ A137.1.

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G. Submit maintenance data under provisions of Section 01 70 00.

H. Include recommended cleaning and stain removal methods, and cleaning materials.

1.4 QUALITY ASSURANCE

A. Conform to ANSI/TCA A137.1.

B. Conform to Tile Council of North America (TCNA) Handbook for Ceramic, Glass, and Stone Tile Installation.

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ADDENDUM 1, EXHIBIT "A"

1.5 QUALIFICATIONS

A. Manufacturer: Company specializing in the manufacture of products specified in this Section with minimum three years documented experience.

B. Installer: Company specializing in applying the work of this Section with minimum three years documented experience.

1.6 ENVIRONMENTAL REQUIREMENTS

A. Maintain 50 degrees F during installation of mortar materials. Heat rooms thoroughly prior to beginning work.

PART 2 PRODUCTS

2.1 MANUFACTURERS - TILE

A. Interceramic, Inc., (714) 956-7565.

B. Dal-Tile Corp., (714) 825-1514.

1 C. ShawContract, (800) 257-7429

D. Substitutions: Under provisions of Section 01 60 00.

2.2 TILE MATERIAL

1 A. Where a specific product line, series name, or pattern designation is listed below, it is provided solely to establish aesthetic intent, physical performance benchmarks, and a baseline for bidding. Contractors may bid equivalent products meeting specified ANSI A137.1 standards from any of the approved manufacturers listed.

B. Ceramic Floor Tile: ANSI/TCA A137.1, conforming to the following:

1. Moisture Absorption: 0 to 0.5 percent.
2. Size: 12 x 12 x 1/4" inch.
3. Edge: Square.
4. Surface Finish: Mottle glazed with 10% non-skid aggregate in glaze.
5. Friction Coefficient: 0.6 or higher per ASTM C1028.
6. Ceramic Tile Flooring shall be stable, firm, and slip resistant. CBC Section 11B-302.1
7. Color: As selected by Architect from manufacturer's full range of standard and premium colors, maximum of 3 colors.

C. Base: Match floor tile for moisture absorption, surface finish and color; tile 8" inch long x 6" inch high; special order non-bullnosed, flat top edge, coved internal corner. Face of base tile shall be flush with face of wall tile.

2.3 MANUFACTURERS - MORTAR AND GROUT

A. Custom Building Products, (213) 728-7571.

ADDENDUM 1, EXHIBIT "A"

B. Dal-Tile Corp., (714) 825-1514.

C. W.R. Bonsal Company, (818) 333-2217.

D. H.B. Fuller Company, (213) 582-0846.

E. L & M Manufacturing Inc., (201) 254-4830.

F. Substitutions: Under provisions of Section 01 60 00.

2.4 MORTAR MATERIALS

A. Portland Cement Mortar Materials: ANSI/TCA A108.1.

B. Latex-Portland Cement Mortar: ANSI/TCA A118.4 and the following:
1. Acrylic resin latex additive.
2. Dry mortar mix supplied by latex manufacturer.

2.5 GROUT MATERIALS

A. Commercial Portland Cement Grout: ANSI/TCA A118.6 of color selected.

B. Latex-Portland Cement Grout: ANSI/TCA A118.6 of color selected and the following:
1. Acrylic resin latex additive.
2. Dry mortar mix supplied by latex manufacturer.

C. Grout product shall be similar to Polyblend Sanded Tile Grout as manufactured by Custom Building Products.

2.6 ACCESSORIES

A. Shower Pan Material: ASTM D4551, Grade 40, composeal polyvinyl chloride sheet manufactured by Compotite Corporation, (213) 483-4444.

B. Reinforcing Mesh: 2 x 2-inch size weave of W0.3/W0.3 wire size; welded fabric, galvanized.

2.7 MORTAR MIX AND GROUT MIX

A. Mix and proportion pre-mix setting bed and grout materials in accordance with manufacturer's instructions, and referenced standards.

2.8 GROUT SEALER

A. TileLab Grout and Tile Sealer as manufactured by Custom Building Products, or an approved equal.

2.9 EXTRA MATERIAL

A. Provide 150 square feet of each color of floor tile under provisions of Section 01 70 00.

ADDENDUM 1, EXHIBIT "A"

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that surfaces are ready to receive work.

B. Beginning of installation means installer accepts condition of existing surfaces.

3.2 PREPARATION

A. Protect surrounding work from damage or disfiguration.

B. Vacuum clean existing surfaces and damp clean.

C. Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.

D. Install shower pan in accordance with manufacturer's instructions, using recommended solvent cement to weld joints when pan dimensions exceed maximum width roll.

3.3 INSTALLATION - FULL MORTAR BED METHOD

A. 1 Over interior concrete slabs, install in accordance with TCNA handbook method F111, with standard grout.

B. Lay tile to pattern indicated on Drawings, or if not indicated, request from Architect. Do not interrupt tile pattern through openings.

C. Cut and fit tile tight to penetrations through tile. Form corners and bases neatly. Align floor, base, and wall joints.

D. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints watertight without voids, cracks, excess mortar, or excess grout. Pour metal reducer edge strips at transitions upper doors to different material.

E. Sound tile after setting. Replace hollow sounding units.

F. Keep control joints free of mortar or grout.

G. Allow tile to set for a minimum of 48 hours prior to grouting. Protect surface from other trades.

H. Grout tile joints.

I. 1 Provide expansion joints around entire perimeter of each room and every 100 square feet maximum. Provide and install per Tile Counsel of North America (TCNA) Handbook. Include a flexible sealant atop each expansion joint per manufacturer’s recommendations.

3.4 CLEANING

A. Clean work under provisions of 01 70 00.

B. Clean tile surfaces.

ADDENDUM 1, EXHIBIT "A"

3.5 PROTECTION

A. Protect grout against staining until sealer is applied. Stained grout shall be removed and replaced prior to Notice of Completion.

B. Protect finished installation under provisions of Section 01 70 00.

C. Do not permit traffic over finished floor surface for 72 hours after installation.

END OF SECTION

ADDENDUM 1, EXHIBIT "A"

SECTION 09 30 12

CERAMIC TILE WALL FINISH

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Ceramic tile walls and wainscot finish using the **Full Setting Bed** application method.

1.2 REFERENCES

A. Tile Council of America:
1. ANSI/TCA A108.1 - Glazed Wall Tile, Ceramic Mosaic Tile, Quarry Tile and Paver Tile Installed with Portland Cement Mortar.
2. ANSI/TCA A108.5 - Ceramic Tile Installed with Dry-Set Portland Cement Mortar or Latex Portland Cement Mortar.
3. ANSI/TCA A118.4 - Latex-Portland Cement Mortar.
4. ANSI/TCA A137.1 - Specifications for Ceramic Tile.
5. Tile Council of North America (TCNA) - Handbook for Ceramic, Glass, and Stone Tile Installation.

1.3 SUBMITTALS

A. Submit samples under provisions of Section 01 33 00.

B. Submit manufacturer's installation instructions under provisions of Section 01 33 00.

C. Submit maintenance data under provisions of Section 01 70 00.

D. Include recommended cleaning and stain removal methods, and cleaning materials.

1.4 QUALITY ASSURANCE

A. Conform to ANSI/TCA A137.1.

B. Conform to Tile Council of North America (TCNA) Handbook for Ceramic, Glass, and Stone Tile Installation.

1.5 QUALIFICATIONS

A. Manufacturer: Company specializing in the manufacture of products specified in this Section with minimum three years documented experience.

B. Installer: Company specializing in applying the work of this Section with minimum three years documented experience.

1.6 ENVIRONMENTAL REQUIREMENTS

A. Maintain 50 degrees F during installation of mortar materials.

ADDENDUM 1, EXHIBIT "A"

PART 2 PRODUCTS

2.1 MANUFACTURERS - TILE

A. Interceramic, Inc., (714) 956-7565.

B. Dal-Tile Corp., (714) 825-1514.

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C. ShawContract, (800) 257-7429

D. Substitutions: Under provisions of Section 01 60 00.

2.2 TILE MATERIAL

1

A. Where a specific product line, series name, or pattern designation is listed below, it is provided solely to establish aesthetic intent, physical performance benchmarks, and a baseline for bidding. Contractors may bid equivalent products meeting specified ANSI A137.1 standards from any of the approved manufacturers listed.

B. Ceramic Wall Tile: ANSI/TCA A137.1, conforming to the following:

1. Moisture Absorption: 0.5 to 3.0 percent.
2. Size: 4 1/4 x 4 1/4 x 1/8 inch.
3. Edge: Cushioned.
4. Surface Finish: Semi-Gloss.
5. Color: As selected from manufacturer's full range of standard and premium colors, minimum two primary colors and four accent colors. Specific pattern to be issued by Architect prior to installation. Bid shall allow for 45-degree cuts to accent tiles.

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~~C. Wainscot Cap: Match wall tile for moisture absorption, surface finish and color; tile length 4 1/4" long x 4 1/2" high, bullnosed top edge.~~

~~2.3 ACCENT TILE MATERIAL~~

~~A. Glass Wall Tile: Conforming to the following:~~

~~1. Moisture Absorption: 0.5 to 3.0 percent.~~

~~2. Size: 4 1/4 x 4 1/4 x 5/16 inch.~~

~~3. Edge: Cushioned.~~

~~4. Color: As selected from manufacturer's full range of standard and premium colors, minimum four accent colors. Specific pattern to be issued by Architect prior to installation. Bid shall allow for 45-degree cuts to accent tiles.~~

2.4 MANUFACTURERS - MORTAR AND GROUT

A. Custom Building Products, (213) 728-7571.

B. Dal-Tile Corp., (714) 825-1514.

C. W.R. Bonsal Company, (818) 333-2217.

D. H.B. Fuller Company, (213) 582-0846.

ADDENDUM 1, EXHIBIT "A"

E. L & M Manufacturing Inc., (201) 254-4830.

F. Substitutions: Under provisions of Section 01 60 00.

2.5 MORTAR MATERIALS

A. Portland Cement Mortar Materials: ANSI/TCA A108.1.

B. Latex-Portland Cement Mortar: ANSI/TCA A118.4 and the following:
1. Acrylic resin latex additive.
2. Dry mortar mix supplied by latex manufacturer.

2.6 GROUT MATERIALS

A. Latex-Portland Cement Grout: ANSI/TCA A118.6 of color selected and the following:
1. Acrylic resin latex additive.
2. Dry mortar mix supplied by latex manufacturer.

B. Grout product shall be similar to Polyblend Non-Sanded Tile Grout as manufactured by Custom Building Products.

2.7 ACCESSORIES

A. Cleavage Membrane: 4-mil thick polyethylene film.

B. Reinforcing Mesh: 2 x 2 inch size weave of WO.3 wire size; welded fabric, galvanized.

2.8 MORTAR MIX AND GROUT MIX

A. Mix and proportion pre-mix setting bed and grout materials in accordance with manufacturer's instructions, and referenced standards.

2.9 GROUT SEALER

A. TileLab Grout and Tile Sealer as manufactured by Custom Building Products, or an approved equal.

2.10 EXTRA MATERIAL

A. Provide 150 square feet of each color under provisions of Section 01 70 00.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that surfaces are ready to receive work.

B. Beginning of installation means installer accepts condition of existing surfaces.

3.2 PREPARATION

A. Protect surrounding work from damage or disfiguration.

B. Vacuum clean existing surfaces and damp clean.

ADDENDUM 1, EXHIBIT "A"

C. Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.

3.3 INSTALLATION – FULL SETTING BED METHOD

A. 1 Over interior walls, install in accordance with TCNA handbook method ~~W244~~ W231/W241, with standard grout.

B. Apply mortar bed over surfaces to a thickness of 5/8 inch.

C. Lay tile to pattern indicated on Drawings, or if not indicated, request from Architect. Do not interrupt tile pattern through openings.

D. Cut and fit tile tight to penetrations through tile. Form corners and bases neatly. Align floor, base, and wall joints.

E. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints watertight without voids, cracks, excess mortar, or excess grout.

F. Form internal angles square and external angles bullnosed.

G. Sound tile after setting. Replace hollow sounding units.

H. Keep control joints free of mortar or grout. Supply sealant to joints.

I. Allow tile to set for a minimum of 48 hours prior to grouting.

J. Grout tile joints.

3.4 CLEANING

A. Clean work under provisions of 01 70 00.

B. Clean tile surfaces.

3.5 PROTECTION

A. Protect grout against staining until sealer is applied. Stained grout shall be removed and replaced prior to Notice of Completion.

B. Protect finished installation under provisions of Section 01 70 00.

C. Protect corner tiles from damage by other trades.

END OF SECTION

ADDENDUM 1, EXHIBIT "A"

SECTION 09 90 00

PAINTING AND COATING

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Surface preparation.

B. Surface finish schedule.

1.2 REFERENCES

A. ASTM International:

1. ASTM D16 - Definitions of Terms Relating to Paint, Varnish, Lacquer, and Related Products.
2. ASTM D2016 - Test Method for Moisture Content of Wood.

B. Structural Steel Painting Council.

1.3 DEFINITIONS

A. Conform to ANSI/ASTM D16 for interpretation of terms used in this Section.

1.4 QUALITY ASSURANCE

A. Product Manufacturer: Company specializing in manufacturing quality paint and finish products with three years experience.

B. Applicator: Company specializing in commercial painting and finishing with three years documented experience.

C. Regulatory Requirements: Comply with applicable codes and regulations of governmental agencies having jurisdiction including those having jurisdiction over airborne emissions and industrial waste disposal. Where those requirements conflict with these Specifications, comply with the more stringent provisions. Regulatory changes may affect the formulation, availability, or use of specified coatings. Confirm availability of coatings to be used prior to job going out to bid and before start of painting project.

1. Comply with the current applicable regulations of the California Air Resources Board (CARB) and the Environmental Protection Agency (EPA).

D. Field Sample: When and as directed by the Architect, apply one complete coating system for each color, gloss and texture required. When approved, the sample panel areas will be deemed incorporated into the work and will serve as the standards by which the subsequent work of this Section will be judged.

1.5 SUBMITTALS

A. Submit samples under provisions of Section 01 33 00.

B. Submit two samples 8 x 10 inch in size of each paint color and texture applied to cardboard. Resubmit samples until acceptable color, sheen and texture is obtained.

ADDENDUM 1, EXHIBIT "A"

C. On actual wood surfaces, submit two 4 x 8 inch samples of natural wood.

1.6 DELIVERY, STORAGE AND HANDLING

A. Deliver products to site and store and protect under provisions of Section 01 70 00.

B. Deliver products to site in new, original, sealed and labeled containers; inspect to verify acceptance.

C. Container labeling to include manufacturer's name, type of paint, brand name, brand code, coverage, surface preparation, drying time, cleanup, color designation, and instructions for mixing and reducing.

D. Store paint materials at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in well ventilated area, unless required otherwise by manufacturer's instructions.

E. Take precautionary measures to prevent fire hazards and spontaneous combustion.

1.7 ENVIRONMENTAL REQUIREMENTS

A. Provide continuous ventilation and heating facilities to maintain surface and ambient temperatures above 45 degrees F for 24 hours before, during, and 48 hours after application of finishes, unless required otherwise by manufacturer's instructions.

B. Do not apply exterior coatings during fog, rain, mist or snow, or when relative humidity is above 50 percent, unless required otherwise by manufacturer's instructions.

C. Minimum Application Temperatures for Latex Paints: 45 degrees F for interiors; 50 degrees F for exterior; unless required otherwise by manufacturer's instructions.

D. Minimum Application Temperature for Varnish and Urethane Finishes: 65 degrees F for interior or exterior, unless required otherwise by manufacturer's instructions.

E. Provide lighting level of 80 ft candles measured mid-height at substrate surface.

F. Avoid painting surfaces when exposed to direct sunlight.

G. No exterior or interior painting shall be done until the surfaces are thoroughly dry and cured.

1.8 EXTRA STOCK

A. Provide a three-gallon container of each color to Owner.

B. Label each container with color, texture, and room locations, and in addition to the manufacturer's label.

PART 2 PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS - PAINT

A. Sherwin-Williams, John Dumesnil,619-665-9341 or john.t.dumesnil@sherwin.com.

ADDENDUM 1, EXHIBIT "A"

B. Frazee Paint & Wallcovering, (714) 936-2890

C. PPG Industries, (800) 441-9695, resource contact Peg Collins, (909) 509-1402; peg.collins@ppg.com.

D. Substitutions: Under provisions of Section 01 60 00.

2.2 MATERIALS

A. Coatings: Ready mixed, except field-catalyzed coatings. Pigments shall be fully ground maintaining a soft paste consistency, capable of being readily and uniformly dispersed to complete a homogeneous coating.

B. Coatings: Good flow and brush properties; capable of drying or curing free of streaks or sags.

C. Accessory Materials: Linseed oil, shellac, turpentine, paint thinners and other materials not specifically indicated, but required to achieve the finishes specified, of commercial quality and approved by manufacturer.

2.3 FINISHES

A. Refer to schedule at end of Section for surface finish schedule.

PART 3 EXECUTION

3.1 INSPECTION

A. Verify that surfaces are ready to receive work as instructed by the product manufacturer.

B. Beware of a condition known as "critical lighting." This condition causes shadows that accentuate even the slightest surface variations. A pigmented sealer will provide tooth for succeeding decorative coating, but "does not" equalize smoothness or surface texture. Any corrective action of the drywall must be done by the drywall contractor prior to decorating.

C. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.

D. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces are below the following maximums:

1. Plaster and Gypsum Wallboard: 12 percent
2. Masonry, Concrete and Concrete Unit Masonry: 12 percent
3. Interior Located Wood: 15 percent, measured in accordance with ASTM D2016
4. Exterior Located Wood: 15 percent, measured in accordance with ASTM D2016

E. Beginning of installation means acceptance of existing surfaces.

ADDENDUM 1, EXHIBIT "A"

3.2 SURFACE PREPARATION FOR PREVIOUSLY COATED SUBSTRATES

A. No substrate is to be painted until proper preparation is completed. Do test area for each coating specified to determine compatibility with, and adherence to existing coatings on surfaces. When coating to be applied is incompatible with existing coating, mechanical blasting will be required to remove the existing coating completely.

B. Remove hardware, light fixtures, electrical plates, and any other devices which don't require painting.

C. Plaster, concrete, wood, and metal will be washed with TSP to remove all dirt, grease, and any foreign matter which could prevent proper adhesion of coatings. Cleaning to be in accordance with paint manufacturer's recommendations. All loose paint will be removed by whatever means required. Surfaces must be sound and existing coatings completely removed if necessary. Light sanding (scuffing) followed by dust removal will be done to degloss surfaces. Cracks, gouges, and holes will be filled with appropriate filler and smoothed to blend with adjacent areas. Metal surfaces will be prepared to SSPC-SP11.

D. Gypsum board will be cleaned with soap and warm water. Cracks and holes will be filled with patching compound and finished to Level 4 as defined in Section 09 21 16 – Gypsum Board Systems. Where textured surfaces exist, repairs will be done to match textures on adjacent areas.

E. Areas where all existing coatings have been removed, creating a bare substrate, shall be spot primed with appropriate primer before full prime coat is applied.

F. All new coatings will be applied according to manufacturer's directions, and will follow the Painting Schedule bellow.

3.3 PREPARATION

A. Perform preparation and cleaning procedures in strict accordance with manufacturer's instructions for each substrate condition.

B. Remove electrical plates, hardware, light fixture trim, and fittings prior to preparing surfaces or finishing.

C. Correct minor defects and clean surfaces that affect work of this Section.

D. Shellac and seal marks which may bleed through surface finishes.

E. Impervious Surfaces: Remove mildew by scrubbing with solution of tri-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.

F. Aluminum Surfaces Scheduled for Paint Finish: Remove surface contamination by steam or high pressure water. Remove oxidation with acid etch and solvent washing. Apply etching primer immediately following cleaning.

G. Insulated Coverings: Remove dirt, grease, and oil from canvas and cotton.

ADDENDUM 1, EXHIBIT "A"

H. Concrete Floors: Remove contamination, acid etch, and rinse floors with clear water. Verify required acid-alkali balance is achieved. Allow to dry.

I. Gypsum Board Surfaces: Latex fill minor defects. Spot prime defects after repair.

J. Galvanized Surfaces: Best Surface Prep for Galvanized is SSPC-SP16 (Sixteen). If blasting is not feasible then remove surface contamination and oils via SSPC-SP1 (One) and apply coat of etching primer that neutralizes or removes all passivation films, especially chromate passivation films. Then apply a TEST PATCH of the proposed coating system and allow to cure 1 week prior to testing adhesion via TAPE TEST ASTM D3359 (Tape Adhesion).

K. Concrete and Unit Masonry Surfaces Scheduled to Receive Paint Finish: Remove dirt, loose mortar, scale, salt or alkali powder, and other foreign matter. Remove oil and grease with a solution of tri-sodium phosphate; rinse well and allow to dry. Remove stains caused by weathering of corroding metals with a solution of sodium metasilicate after thoroughly wetting with water. Allow to dry.

L. Plaster Surfaces: Fill hairline cracks, small holes and imperfections with latex patching plaster. Make smooth and flush with adjacent surfaces. Wash and neutralize high alkali surfaces.

M. Uncoated Steel and Iron Surfaces: Remove grease, scale, dirt, and rust. Where heavy coatings of scale are evident, remove by wire brushing or sandblasting; clean by washing with solvent. Apply a treatment of phosphoric acid solution, ensuring weld joints, bolts, and nuts are similarly cleaned. Spot prime paint after repairs.

N. Shop Primed Steel Surfaces: Sand thoroughly and scrape to remove films, loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces.

O. Interior Wood Items Scheduled to Receive Finish: Wipe off dust and grit prior to priming. Seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes, spot prime, cracks and other defects repairs when fully cured after primer has dried; sand between coats.

P. Exterior Wood Scheduled to Receive Paint Finish: Remove dust, grit and foreign matter. Seal knots, pitch streaks and sappy sections. Fill nail holes with tinted exterior caulking compound after prime coat has been applied.

Q. Glue-Laminated Beams: Prior to finishing, wash surfaces with solvent, remove grease and dirt.

R. Thoroughly back paint all surfaces of exterior and interior finish lumber and millwork, including doors and window frames, trim, cabinet work, etc., that will be concealed after installation. Back paint items to be painted or enameled with the priming coat. Use a clear sealer for back priming where transparent finish is required.

S. All drywall surfaces must be completely dry and dust free from decorating. Skim coated drywall must be sealed with an alkyd based sealer. Textured and non-textured drywall surfaces can be sealed with a waterborne sealer provided they are completely dry and dust free. Otherwise an alkyd-based sealer should be used.

T. Wood and Metal Doors Scheduled for Painting: Seal top and bottom edges with primer.

ADDENDUM 1, EXHIBIT "A"

U. Metal frames and metal doors shall be re-primed with a rust inhibitor primer compatible with the shop primer and subsequent coats specified.

3.4 PROTECTION

A. Protect pre-finished surfaces, lawns, shrubbery and adjacent surfaces surrounding the work of this Section from damage or disfiguration.

B. Repair damage to other surfaces caused by work of this Section.

C. Furnish sufficient drop cloths, shields, protective methods and equipment to prevent spray, splatter or droppings from disfiguring other surfaces.

D. Remove empty paint containers from site.

E. Protect surfaces, equipment, and fixtures from damage resulting from use of fixed, movable and hanging scaffolding, planking, and staging.

F. Provide WET PAINT signs, barricades, and other devices required to protect newly finished surfaces. Remove temporary protective wrappings provided by others for protection of their work after completion of painting operations.

G. Mask off areas where necessary.

H. Cover fixtures and remove hardware not to be painted.

I. Replace hardware only when paint finishes are thoroughly dry.

3.5 APPLICATION

A. Apply products in accordance with manufacturer's instructions.

B. Brush applications:

1. Brush out and work the brush coats onto the surface in an even film.
2. Cloudiness, spotting, holidays, laps, brush marks, runs, sabs, ropiness and other surface imperfections will not be acceptable.

C. Spray applications:

1. Except as specifically otherwise approved by the Architect, confine spray application to metal framework and similar surfaces where hand brushing would be inferior.
2. Where spray application is used, apply each coat to provide the hiding equivalent of brush coats. Back roll all sprayed applications with roller 90º to direction paint was applied.
3. Do not double back with spray equipment to build up film thickness of two coats in one pass.

D. Use applicators and techniques best suited for the material and surfaces to which applied.

E. The number of coats specified is the minimum that shall be applied. Apply additional coats when undercoats, stains or other conditions show through final paint coat, until paint film is of uniform finish, color and appearance.

ADDENDUM 1, EXHIBIT "A"

F. All undercoats shall be tinted slightly to approximate the color of the finish coat.

G. Apply each material at not less than the manufacturer's recommended spreading rate:

H. Provide a total dry film thickness of not less than 1.2 mils for each required coat.

I. Apply prime coat to material that is required to be painted or finished.

J. Finish exterior doors on tops, bottoms, and edges same as exterior faces, after fitting. Where opening into rooms having different finishes, finish door edges as directed.

K. Do not apply finishes to surfaces that are not dry.

L. Apply each coat to uniform finish.

M. Apply each coat of paint slightly darker than preceding coat unless otherwise approved.

N. Sand lightly between coats to achieve required finish.

O. Allow applied coat to dry before next coat is applied.

P. Where clear finishes are required, tint fillers to match wood. Work fillers into the grain before set. Wipe excess from surface.

Q. Prime back surfaces of interior and exterior woodwork with primer paint.

R. Prime back surfaces of interior woodwork scheduled to receive stain or varnish finish with gloss varnish reduced 25 percent with mineral spirits.

S. Do not paint over rated labels or any ID label.

3.6 FINISHING MECHANICAL AND ELECTRICAL EQUIPMENT

A. Refer to Electrical and Mechanical Divisions for schedule of color-coding and identification banding of equipment, ductwork, piping and conduit.

B. Paint shop primed equipment. Do not paint shop pre-finished items.

C. Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.

D. Prime and paint insulated and exposed pipes, conduit, boxes, insulated and exposed ducts, hangers, brackets, collars and supports, except where items are pre-finished.

ADDENDUM 1, EXHIBIT "A"

E. Replace identification markings on mechanical or electrical equipment when painted accidentally.

F. Paint interior surfaces of air ducts, and convector and baseboard heating cabinets that are visible through grilles and louvers with one coat of flat black paint, to limit of sight line. Paint dampers exposed behind louvers, grilles, and convector and baseboard cabinets to match face panels.

G. Paint exposed conduit and electrical equipment occurring in finished areas.

H. Paint both sides and edges of plywood backboards for electrical and telephone equipment before installing equipment.

I. Color code equipment, piping, conduit, and exposed ductwork in accordance with requirements indicated. Color band and identify with flow arrows, names and numbering.

J. Replace electrical plates, hardware, light fixture trim, and fittings removed prior to finishing.

3.7 CLEANING

A. As work proceeds, promptly and carefully remove paint where spills, splashes, spattering, spots and blemishes have occurred on surfaces throughout the project.

B. During progress of work maintain premises free of unnecessary accumulation of tools, equipment, surplus materials, and debris.

C. Collect cotton waste, cloths, and material which may constitute a fire hazard, place in closed metal containers and remove daily from site.

D. Upon completion of painting work remove all rubbish, paint cans, and accumulated materials resulting from work in each space or room. All areas shall be left in a clean, orderly condition.

E. Runs, sags, misses, holidays, stains and other defects in the painted surfaces, including inadequate coverage and mil thickness shall be satisfactorily touched up, or refinished, or repainted as necessary.

3.8 SCHEDULE - EXTERIOR SURFACES

PPG	**Frazee**	**Sherwin-Williams**
1. Wood - Painted (Flat Acrylic)		
1st coat: Seal Grip Primer 17-921XI	168 PrimePlus	B51 Series Preprite ProBlock Primer
2nd Coat: Speedhide Flat 6-610XI	203 Duratec	A6 Series A-100 Flat
3rd Coat: Speedhide Flat 6-610xI	203 Duratec	A6 Series A-100 Flat
2. Wood - Painted (Semi-Gloss Acrylic)		
1st Coat: Seal Grip Primer 17-921XI	168 PrimePlus	B51 Series Preprite ProBlock Primer
2nd Coat: Advantage 900 SG 919-10	124 Mirro Glide SG	A76 Solo Acrylic SG
3rd Coat: Advantage 900 SG 919-10	124 Mirro Glide SG	A76 Solo Acrylic SG

ADDENDUM 1, EXHIBIT "A"

3. Wood - Painted (Gloss Acrylic)	168 Prime+Plus	B51 Series Preprite ProBlock Primer
1st Coat: Seal Grip Primer 17-921XI	143 Mirro Glide GL	A77 Solo Acrylic GL
2nd Coat: Advantage 900 Gloss 909-10	143 Mirro Glide GL	A77 Solo Acrylic GL
3rd Coat: Advantage 900 Gloss 909-10		
4. Wood - Semi-Transparent		
1st Coat: Flood ST Stain FLD812	385 Madera (Oil)	A15T5 Woodscapes ST Stain
5. Stucco or Concrete (Flat Finish)		
Perma-Crete Conditioner 4-808		Loxon Conditioner
2nd Coat: Perma-Crete Pitt-Flex 4-110XI		Conflex XL
3rd Coat: Perma-Crete Pitt-Flex 4-110XI		Conflex XL
6. Concrete Masonry Units (Flat Acrylic)		
1st Coat: Speedhide Block Filler 6-15XI		
2nd Coat: Speedhide Ext. Flat 6-610XI	C302 Block Filler	B25W25 Preprite Block Filler
3rd Coat: Speedhide Ext. Flat 6-610xI	203 Duratec	A6 Series A-100 Flat
	203 Duratec	A6 Series A-100 Flat
7. Steel - Primed or Unprimed (Flat Acrylic)		
1st Coat: Pitt-Tech Plus 4020	C309 Acrylic Metal Primer	B66 ProCryl Acrylic Metal Primer
2nd Coat: Speedhide Ext. Flat 6-610XI	203 Duratec	A6 Series A-100 Flat
3rd Coat: Speedhide Ext. Flat 6-610XI	203 Duratec	A6 Series A-100 Flat
8. Steel - Primed or Unprimed (Semi-Gloss Acrylic)		
1st Coat: Pitt-Tech Plus 4020	C309 Acrylic Metal Primer	B66 ProCryl Acrylic Metal Primer
2nd Coat: Advantage 900 SG 919-10	124 Mirro Glide SG	A76 Solo Acrylic SG
3rd Coat: Advantage 900 SG 919-10	124 Mirro Glide SG	A76 Solo Acrylic SG
9. Steel - Primed or Unprimed (Gloss Acrylic)		
1st Coat; Pitt-Tech Plus 4020	C309 Acrylic Metal Primer	B66 ProCryl Acrylic Metal Primer
2nd Coat: Advantage 900 Gloss 909-10	143 Mirro Glide GL	A77 Solo Acrylic GL
3rd Coat; Advantage 900 Gloss 909-10	143 Mirro Glide GL	A77 Solo Acrylic GL
10. Steel - Galvanized (Flat-Acrylic)		
1st Coat: Pitt-Tech Plus 4020	C309 Acrylic Metal Primer	B66 ProCryl Acrylic Metal Primer
2nd Coat: Advantage 900 SG 919-10		
3rd Coat: Advantage 900 SG 919-10	203 Duratec	A6 Series A-100 Flat
	203 Duratec	A6 Series A-100 Flat
11. Steel - Galvanized (Semi-Gloss - Acrylic)		
1st Coat: Pitt-Tech Plus 4020	C309 Acrylic Metal Primer	B66 ProCryl Acrylic Metal Primer
2nd Coat: Advantage 900 SG 919-10		
3rd Coat: Advantage 900 SG 919-10	124 Mirro Glide SG	A76 Solo Acrylic SG
	124 Mirro Glide SG	A76 Solo Acrylic SG
12. Steel l- Galvanized (Gloss - Acrylic)		
1st Coat; Pitt-Tech Plus 4020	C309 Acrylic Metal Primer	B66 ProCryl Acrylic Metal Primer
2nd Coat: Advantage 900 Gloss 909-10		
3rd Coat; Advantage 900 Gloss 909-10	143 Mirro Glide GL	A77 Solo Acrylic GL
	143 Mirro Glide GL	A77 Solo Acrylic GL

ADDENDUM 1, EXHIBIT "A"

1

~~3.9 SCHEDULE - EXTERIOR METAL ROOFING~~

~~**PPG Industries**~~
~~**1. Existing Metal Roofing (Water Base Epoxy)**~~
~~PRIME: 1 Coat PPG Paints Amerlock 2/400 VOC Epoxy Primer~~
~~FINISH: 1 Coat PPG Paints PSX 805 SATIN POLYSILOXANE~~

~~Surface Prep: Best Surface Prep is complete removal of prior Coatings via SSPC SP6 (Six) Commercial Blast. If the Owner does not wish to remove prior coatings, then painting subcontractor should abrade the existing coating via SSPC2/3 until existing coatings are SOUND AND ADHERENT, and an anchor profile of 1.0 1.5 mils is achieved. Then a TEST PATCH should be done of the chosen system, allowed to cure one week and a TAPE ADHESION TEST ASTM D3359 (Tape Adhesion) should be performed prior to painting the entire roof.~~

~~2. New Metal Roofing~~

~~OPTION ONE: EPOXY PRIMER/URETHANE TOP COAT; THREE (3) COAT SYSTEM~~
~~1. NEW FERROUS METAL: Surface Prep: SSPC SP6 (Six) Commercial Blast~~
~~2. PRIME: 1 Coat PPG PMC Amercoat 68HS Zinc Rich Epoxy Primer~~
~~3. INTERMEDIATE: 1 Coat PPG PMC Amerlock 2/400 VOC Epoxy~~
~~4. FINISH: 1 Coat PPG PMC Amershield VOC Aliphatic Urethane~~

~~5. NEW GALVANIZED: Surface Prep: SSPC SP16 (Sixteen) Galvanized Blast~~
~~6. PRIME: 1 Coat PPG PMC Amerlock 2/400 VOC Epoxy~~
~~7. FINISH: 2 Coat PPG PMC Amershield VOC Aliphatic Urethane~~

~~OPTION TWO: EPOXY PRIMER/POLYSILOXAE TOP COAT; TWO (2) COAT SYSTEM~~
~~1. NEW FERROUS METAL: Surface Prep: SSPC SP6 (Six) Commercial Blast~~
~~2. PRIME: 1 Coat PPG PMC Amercoat 68HS Zinc Rich Epoxy Primer~~
~~3. FINISH: 1 Coat PPG PMC PSX PMC 805 Satin Polysiloxane or PSX PMC 700 Gloss Polysiloxane~~

~~5. NEW GALVANIZED: Surface Prep: SSPC SP16 (Sixteen) Galvanized Blast~~
~~6. PRIME: 1 Coat PPG PMC Amerlock 2/400 VOC Epoxy~~
~~7. FINISH: 1 Coat PPG PMC PSX PMC 805 Satin Polysiloxane or PSX PMC 700 Gloss Polysiloxane~~

3.10 SCHEDULE - INTERIOR SURFACES

PPG	**Frazee**	**Sherwin-Williams**
1. Wood – Painted (Semi-GlossAcrylic)		
1st Coat: Seal Grip Primer 17-921XI	168 PrimePlus	B51 Series Preprite ProBlock Primer
2nd Coat: Advantage 900 SG 919-10	124 Mirro Glide SG	A76 Solo Acrylic SG
3rd Coat; Advantage 900 SG 919-10	124 Mirro Glide SG	A76 Solo Acrylic SG
2. Wood - Painted (Gloss Acrylic)		
1st Coat: Seal Grip 17-921XI	168 PrimePlus	B51 Series Preprite ProBlock Primer
2nd Coat: Advantage 900 Gloss 909-10	143 Mirro Glide GL	A77 Solo Acrylic GL
3rd Coat: Advantage 900 Gloss 909-10	143 Mirro Glide GL	A77 Solo Acrylic GL

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3. Glue-Laminated Wood and Wood Timber Members (Stain-Flat Varnish)		
1st Coat: Deft WB Stain DFT300	685 Wood Stain	Minwax WB Stain
2nd Coat: Deft Polyurethane DFT159		
3rd Coat: Deft Polyurethane DFT159	6701 Satin (McCloskey)	Minwax Polycrylic Satin
	6701 Satin (McCloskey)	Minwax Polycrylic Satin
4. Wood – Transparent (Stain - Semi-gloss Varnish)		
1st Coat: Deft WB Stain DFT300	685 Wood Stain	Minwax WB Stain
Filler Coat: Filler not required		
2nd Coat: Deft Sealer DFT61	Jasco Filler	Minwax Paste Filler
3rd Coat: Deft Polyurethane DFT158		
4th Coat: Deft Polyurethane DFT158	6200 Sealer (McCloskey)	Minwax Pre-Stain Conditioner
	6702 Semi-Gloss Varnish (McCloskey)	MinwaxPolycrylic Semigloss
	6702 Semi-Gloss Varnish (McCloskey)	MinwaxPolycrylic Semigloss
5. Wood – Transparent (Stain - Semi-Gloss Lacquer)		
1st coat: CC24XX Series Craftman Collection Oil Base Wiping Stain	685 Wood Stain	9 Wood Classics
2nd coat: 200-0045 275 VOC Clear Lacquer Sealer	760 Sanding Sealer	60FH27 Sanding Sealer
3rd coat: 500-0111 257 VOC Lacquer Clear Semi-Gloss	723 Semi-Gloss Lacquer	T70FH52 Semigloss Lacquer
4th coat: **	723 Semi-Gloss Lacquer	T70FH52 Semigloss Lacquer
6. Concrete, Concrete Block, Cement Plaster (Flat-Latex)		
1st Coat: Seal Grip Primer 17-921XI	168 PrimePlus	B51 Series Preprite ProBlock Primer
2nd Coat: Speedhide Zero 6-4110XI	002 Majestic	B30-2600 ProMar 200 Zero VOC Flat
7. Concrete, Concrete Block, Cement Plaster (Semi-Gloss-Latex)		
1st Coat: Seal Grip Primer 17-921XI	168 PrimePlus	B51 Series Preprite ProBlock Primer
2nd Coat: Advantage 900 SG 919-10	124 Mirro Glide SG	A76 Solo Acrylic SG
3rd Coat: Advantage 900 SG 919-10	124 Mirro Glide SG	A76 Solo Acrylic SG
8. Steel - Primed or Unprimed (Flat - Latex)		
1st Coat: Pitt-Tech Plus 4020	C309 Acrylic Metal Primer	B66 ProCryl Acrylic Metal Primer
2nd Coat: Speedhide Zero 6-4110XI	002 Majestic	B30-2600 ProMar 200 Zero VOC Flat
3rd Coat: Speedhide Zero 6-4110XI	002 Majestic	B30-2600 ProMar 200 Zero VOC Flat
9. Steel - Primed or Unprimed (Semigloss - Latex)		
1st Coat: Pitt-Tech Plus 4020	C309 Acrylic Metal Primer	B66 ProCryl Acrylic Metal Primer
2nd Coat: Advantage 900 SG 919-10	124 Mirro Glide SG	A76 Solo Acrylic SG
3rd Coat: Advantage 900 SG 919-10	124 Mirro Glide SG	A76 Solo Acrylic SG

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10. Steel - Primed or Unprimed (Gloss Acrylic)		
1st Coat: Pitt-Tech Plus 4020	C309 Acrylic Metal Primer	B66 ProCryl Acrylic Metal Primer
2nd Coat: Advantage 900 Gloss 909-10	143 Mirro Glide GL	A77 Solo Acrylic GL
3rd Coat: Advantage 900 Gloss 909-10	143 Mirro Glide GL	A77 Solo Acrylic GL
11. Steel - Galvanized and Aluminum (Flat-Latex)		
1st Coat: Pitt-Tech Plus 4020	Jasco Prep & Prime	GLL Clean n Etch
2nd Coat: Speedhide Zero 6-4110XI	C309 Acrylic Metal Primer	B66 ProCryl Acrylic Metal Primer
3rd Coat: Speedhide Zero 6-4110XI		
	002 Majestic	B30-2600 ProMar 200 Zero VOC Flat
	002 Majestic	B30-2600 ProMar 200 Zero VOC Flat
12. Steel - Galvanized and Aluminum (Semi-gloss-Latex)		
1st Coat: Prep 88	Jasco Prep & Prime	GLL Clean n Etch
2nd Coat; Pitt-Tech Plus 4020	C309 Acrylic Metal Primer	B66 ProCryl Acrylic Metal Primer
3rd Coat: Advantage 900 SG 919-10		
4th Coat: Advantage 900 SG 919-10	124 Mirro Glide SG	A76 Solo Acrylic SG
	124 Mirro Glide SG	A76 Solo Acrylic SG
13. Steel - Galvanized (Gloss Acrylic)		
1st Coat: Prep 88	C309 Acrylic Metal Primer	B66 ProCryl Acrylic Metal Primer
2nd Coat; Pitt-Tech Plus 4020		
3rd Coat: Advantage 900 Gloss 909-10	143 Mirro Glide GL	A77 Solo Acrylic GL
4th Coat: Advantage 900 Gloss 909-10		
	143 Mirro Glide GL	A77 Solo Acrylic GL
14. Plaster, Gypsum Board (Flat Latex)		
1st Coat: Speedhide Primer 6-2	061 Aqua Seal	B28W8000 PVA Primer
2nd Coat: Speedhide Zero 6-4110XI		
3rd Coat: Speedhide Zero 6-4110XI	002 Majestic	B30-2600 ProMar 200 Zero VOC Flat
	002 Majestic	B30-2600 ProMar 200 Zero VOC Flat
15. Plaster, Gypsum Board (Eggshell Latex)		
1st Coat: Speedhide Primer 6-2	061 Aqua Seal	B28W8000 PVA Primer
2nd Coat: Speedhide Zero 6-4310XI		
3rd Coat: Speedhide Zero 6-4310XI	022 Lo Glo	B20-2600 ProMar 200 Zero VOC Eg-shel
	022 Lo Glo	B20-2600 ProMar 200 Zero VOC Eg-shel
16. Plaster, Gypsum Board (Gloss Acrylic)		
1st Coat: Speedhide 6-2	061 Aqual seal	B28W8000 PVA Primer
2nd Coat: Advantage 900 Gloss 909-10		
3rd Coat; Advantage 900 Gloss 909-10	143 Mirro Glide GL	A77 Solo Acrylic GL
	143 Mirro Glide GL	A77 Solo Acrylic GL

END OF SECTION

ADDENDUM 1, EXHIBIT "A"

SECTION 10 14 00

SIGNAGE

PART 1 GENERAL

1.1 SECTION INCLUDES

A. ES plastic signs.

B. Acrylic panel signs.

C. Site graphics.

D. Metal letters and numbers.

E. Cast metal plaques.

1.2 SUBMITTALS

A. Submit shop drawings under provisions of Section 01 33 00.

B. Submit shop drawings listing sign styles, lettering and locations, spacing and installation method.

C. Submit samples under provisions of Section 01 33 00.

D. Submit two samples illustrating full size sample sign, of type, style and color specified including method of attachment.

E. Submit manufacturer's installation instructions under provisions of Section 01 33 00.

F. Include installation templates and hardware.

1.3 DELIVERY, STORAGE AND HANDLING

A. Deliver, store and protect products under provisions of Section 01 70 00.

B. Package signs, labeled in name groups.

1.4 ENVIRONMENTAL REQUIREMENTS

A. Do not install adhesive mounted signs when ambient temperature is below 70 degrees F. Maintain this minimum during and after installation of signs.

1.5 REGULATORY REQUIREMENTS

A. Conform to California Code of Regulations for installing work in conformance with signage for the physically disabled.

B. All signage shall conform to CBC Sections 11B-703.

C. Tactile exit signage shall be provided per CBC 1013.4.

ADDENDUM 1, EXHIBIT "A"

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acrylic Panel Signs:
1. Mohawk Sign Systems, (518) 370-3433.
2. A2Z Sign Company, (909) 949-4442
3. Best Sign Systems, (800) 235-2378.
4. ASI Sign Systems, (916) 924-1939.
5. Substitutions: Under provisions of Section 01 60 00.

B. Accessible and Traffic Signage:
1. STOPSignsAndMore.com, (888) 931-1793.
2. ADA Sign Depot, adasigndepot.com, (858) 385-9095.
3. Myparkingsign.com, (800) 952-1457.

C. Substitutions: Under provisions of Section 01 60 00. Metal Letters and Numbers:
1. Gemini, (507) 263-3957.
2. Nelson-Harkins Inc., (714) 946-9392.
3. Vomar Products, Inc., (209) 276-9589.
4. Substitutions: Under provisions of Section 01 33 00.

1

~~D. Cast Metal Plaques:~~
~~1. Lake Shore Markers, (800) 458-0463.~~
~~2. Matthews, (800) 235-6574.~~
~~3. Metallic Arts, Inc., (714) 925-7285.~~
~~4. Substitutions: Under provisions of Section 01 33 00.~~

2.2 Accessories

A. Provide all anchors, adhesives, and accessories for a complete installation.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that surfaces are ready to receive work.

B. Beginning of installation means installer accepts existing surfaces.

3.2 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Install true, plumb, level and adequately secured to substrate with tamper proof mechanical fasteners. Paint all exposed fasteners to match sign color.

C. Clean and polish.

ADDENDUM 1, EXHIBIT "A"

3.3 SIGN TYPES

A. MP plastic - Series 200A SAND CARVED as manufactured by Mohawk Sign Systems or equal. Material shall be 1/4" thick hard phenolic ES plastic laminate. See plans for location. (Max. of 16 characters per sign)

1. International Symbol of Accessibility 6 X 6 w/c. Contractor shall also furnish directional arrows indicating the accessible path of travel to be visible to persons approaching pedestrian ways. Provide #M203-6 frame series.

2. Room identification sign: 3-11/32" high with 1" high room name text and grade 2 Braille. Provide M202-X frame series. Note: California Contracted Grade 2 Braille shall be used wherever Braille symbols are shown. Dots shall be 1/10 inch (2.54 mm) on centers in each cell with 2/10 inch (5.08mm) space between cells. Dots shall be raised a minimum of 1/40 inch (0.635mm) above the background. Dots to be rounded or eased.

3. Signage and graphics:

a. Raised characters shall comply with CBC Section 11B-703.2:

b. Depth: It shall be 1/32 inch minimum above their background and shall be san serif uppercase and be duplicated in Braille.

c. Height: It shall be 5/8 inch minimum and 2 inches maximum based on the height of the uppercase letter "I". CBC Section 11B-703.2.5

d. Finish and contrast: Characters and their background shall have a non-glare finish. Character shall contrast with their background with either light characters on a dark background or dark characters on a light background. CBC Section IIB-703.5.1.

e. Proportions: It shall be selected from fonts where the width of the uppercase letter “0’ is 60 % minimum and 110 % maximum of the height of the uppercase letter “I”. Stroke thickness of the uppercase letter “I” shall be 15 % maximum of the height of the character. CBC Sections IIB-703.2.4 and 11B-703.2.6

f. Character Spacing: Spacing between individual tactile characters shall comply with CBC Section 11B-703.2.7 and 11B-703.2.8

g. Format: Text shall be in a horizontal format. CBC Section 11B-703.2.9

h. Braille: It shall be contracted (Grade 2) and shall comply with CBC Sections IIB-703.3 and 11B-703.4. Braille dots shall have a domed or rounded shape and shall comply with CBC Table and Figure 11B-703.3.1.

i. Mounting height: A tactile sign shall be located 48" minimum to the baseline of the lowest Braille cells and 60" maximum to the baseline of the highest line of raised characters above the finish floor or ground surface.

j. Mounting location: A tactile sign shall be located per CBC Section and Figure 11B -703.4.2 as follows:

1) Alongside a single door at the latch side.

2) On the inactive leaf at double doors with one active leaf.

3) To the right of the right hand door at double doors with two active leafs.

4) On the nearest adjacent wall where there is no wall space at the latch side of a single door or at the right side of double doors with two active leafs.

ADDENDUM 1, EXHIBIT "A"

5) So that a clear floor space of 18” x18” minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

k. Visual characters shall comply with CBC Section 11B-703.5 and shall be 40” minimum above finish floor or ground. Visual character stroke thickness of the uppercase letter “I” shall be 10 % minimum and 20% maximum of the height of the character. CBC Section 11B-703.5.7

1) Line Spacing: Spacing between individual raised characters shall comply with CBC Section 11B-703.5.

2) Character Spacing: Spacing between individual raised characters shall comply with CBC Section 11B-703.5.8.

l. Pictograms shall comply with CBC Section 11B-703.6.

m. Symbol of accessibility shall comply with CBC Section 11B-703.7.

n. Variable message signs shall comply with CBC Section 11B-703.8.

B. Acrylic Signs: Series 200 with 1/4" thick dimensional letters as manufactured by Mohawk Sign Systems or equal. Chemically welded to colored acrylic. See plans for location.

1. Restroom Identification Signs: circle or triangle with ambulatory figure and international symbol of accessibility. Similar to "Mohawk" MCA-VM-3, MCA-UM-4 and unisex. See plans for location and gender designation.

C. Site Graphics: Minimum .063” aluminum with 3M Engineer Grade Prismatic Reflective Sheeting, 3M Inks, and 3M Protective Overlay Film (POF).

1. Parking Stall: 8" X 10" international symbol of accessibility, post one sign at every stall per detail on drawings.

2. Driveway Entrance: 17" X 22" (minimum) tow-away sign with local towing address and phone number of enforcement. Post one sign at each drive entrance per detail on drawings.

1

~~D. Metal letters and Numbers: Prismatic cast baked enamel satin finish as manufactured by Gemini, Inc. Submit (4) copies of fabrication drawings and one full size paper template for architects review prior to fabrication. Individual letters to be projected mounted with spacers and threaded studs set in epoxy adhesive. Allow for a minimum of 40 12” high letters and 20 8” high letters. Color as selected by Architect for manufacturer’s full color line.~~

~~E. Cast Metal Plaques: Cast Bronze, Satin Finish.~~

~~1. Dedication Plaque: 24 x 36 x 1" thick, cast bronze with sculptured finish at all fields and smooth flat finish at all borders, text and graphics. Layout and location as provided by Architect.~~

END OF SECTION

ADDENDUM 1, EXHIBIT "A"

SECTION 10 21 15

PLASTIC TOILET COMPARTMENTS

PART 1 GENERAL

1.1 SECTION INCLUDES

1

A. Floor to ceiling mounted solid plastic toilet partitions.

B. Urinal screens.

C. Attached hardware.

1.2 REFERENCES

A. ASTM A167 - Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet and Strip.

1.3 SUBMITTALS

A. Submit shop drawings under provisions of Section 01 33 00.

B. Submit shop drawings indicating partition layout and dimensions, panel and door sizes, door swings, elevations, anchorage and mounting details, and finishes.

C. Submit samples under provisions of Section 01 33 00.

D. Submit three samples 6 x 6 inch in size illustrating panel colors.

E. Provide a sample of each type of hardware.

1.4 REGULATORY REQUIREMENTS

A. Conform to Title 24 of the California Administrative Code.

1.5 FIELD MEASUREMENTS

A. Verify field measurements are the same as shown on shop drawings.

PART 2 PRODUCTS

2.1 MANUFACTURES

A. Comtec Industries, (800) 445-5148.

B. PSISC, (866) 337-7286.

C. Weis/Robart, (714) 666-0822.

D. Substitutions: Under provisions of Section 01 60 00.

2.2 MATERIALS

A. Solid Plastic: High density, solid polyethylene with homogeneous color throughout. Provide material not less than 1-inch thick, seamless construction with edges eased.

2.3 ACCESSORIES

A. Pilaster Shoe: ASTM A167, Type 304 stainless steel, 3 inch high with adjustable screw jack.

ADDENDUM 1, EXHIBIT "A"

B. Attachments, Screws, and Bolts: Stainless steel, theft proof type, heavy-duty extruded aluminum brackets.

C. Through Bolts and Nuts: Stainless steel with tamperproof heads.

D. Continuous stainless steel strip at bottom edge of panel partitions.

E. Floor and Ceiling attachment. 1

2.4 HARDWARE

A. Hinges: Continuous, stainless steel, self closing gravity hinges, adjustable for door close positioning, equivalent to Capitol #605.

B. Latch and Keeper: Stainless steel slide latch, door strike and keeper with rubber bumper.

C. Coat Hook: Stainless steel hook with rubber bumper tip mount at 48" AFF at accessible compartment.

D. Wall Brackets: Full length, continuous stainless steel wall brackets.

E. Accessible Compartment: Hand activated slide bolt latch at + 36" above finish floor.

F. Door Pulls: Stainless steel, "U" shaped door pulls, equivalent to Capitol #356. Install each side of accessible compartment at 34" - 44". Locate directly beneath latch.

G. Panel Brace: Stainless steel full height "T" brace where required to limit panel deflection.

2.5 FABRICATION

A. Fabricate components of 1 inch thick high density polyethylene polymer. Flame spread of 25.

B. Doors and Panels: 1 inch thick x 55 inch high, high density polyethylene polymer. Stainless steel edging strips shall be fastened to the bottom edge of all panels, full length.

C. Pilasters: 1 inch thick, constructed same as doors, of sizes required to suit cubicle width and spacing. Stainless steel edging strips shall be fastened to the bottom edge of all pilasters full length.

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D. Pilaster Shoes: Made from ~~polymer resin formed under high pressure and be made of single construction with color throughout~~ Stainless Steel.

E. Door, Panels and Pilasters: 1 inch thick and all edges machined to a radius of .250 inches and all exposed edges to be free of saw marks.

F. Urinal Screens: Wall mount with full height panel brace. 18" maximum depth from face of wall finish.

G. All alternate partition manufacturers products shall have a homogeneous color throughout.

H. Furnish units with cutouts and drilled holes to receive partition mounted hardware, accessories, and grab bars as indicated.

I. Accessible Toilet Compartments:

1. Wheelchair accessible compartment shall comply with CBC Section 11B-604.8.1.

2. Toe clearance for at least one side partition of a wheelchair accessible compartment shall comply with CBC Section and Figure 11B-604.8.1.4. It shall be 9" high minimum above the finish floor and 6" deep minimum beyond the compartment side face of the partition, exclusive of partition support members. It shall be 12" high minimum above the finish floor for children's use. Partition components at toe clearances shall be smooth without sharp edges or abrasive surfaces. Toe clearance at the side partition is not required in a compartment greater than 66" wide.

ADDENDUM 1, EXHIBIT "A"

3. An ambulatory accessible compartment shall be provided where there are six or more toilet compartments, or where the combination of urinals and water closets totals six or more per CBC Section 11B-213.3.1. Such compartment shall comply with CBC Section 11B-604.8.2.

4. Door and door hardware for accessible compartments shall be self-closing and shall comply with CBC Section 11B-404 except that pull-side clearance for ambulatory accessible compartments shall be minimum 44" clear, rather than 60". CBC Figure 11B-604.8.2.

5. A door pull complying with CBC Section 11B-404.2.7 shall be placed on both sides of the door near the latch.

6. Doors shall not swing into clear floor space or clearance required for any fixtures .

2.6 FINISHES

A. Plastic Panels: Color shall be selected from manufacturer's full range of standard and custom colors, with a maximum of two colors as selected by Architect.

B. Stainless Steel Surfaces: No. 4 finish.

C. Exposed Steel Surfaces: Satin chrome plated.

D. Aluminum: Anodized to color as selected.

E. Non-ferrous Surfaces: Satin chrome plated.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that openings are ready to receive work.

B. Verify field measurements are as shown on shop drawings.

C. Verify correct location of built-in framing, anchorage, bracing, and plumbing fixtures.

D. Beginning of installation means installer accepts existing conditions.

E. Door at front entry stalls shall have 32" minimum clear width when the door is open 90°.

F. Door at side entry stalls shall have 34" minimum clear width when the door is open 90°.

3.2 ERECTION

A. Erect in accordance with manufacturer's instructions.

B. Install partition components secure, plumb and level.

C. Attached panel brackets securely to walls, ceilings and floors using appropriate anchor devices.

D. Attach panels and pilasters to brackets with through bolts and nuts.

ADDENDUM 1, EXHIBIT "A"

E. Provide 1/2-inch space between wall surface and panels or pilasters.

F. Provide for adjustment of floor variations with screw jack through steel saddles integral with pilaster. Conceal floor fastenings with pilaster shoes.

G. Support pilasters from above ceiling framing using two adjustable hanging studs to provide vertical leveling. Conceal ceiling fastenings with pilaster shoes.

H. Equip each toilet stall door with continuous hinge, and door latch.

I. Install door strike keeper in each pilaster in alignment with door latch.

J. Equip each toilet stall door with one bumper.

3.3 ERECTION TOLERANCES

A. Maximum Variation from Plumb or Level: 1/8 inch.

B. Maximum Misplacement from Intended Position: 1/8 inch.

C. Secure panel screens so as not to exceed panel deflection of 1/4" in all locations.

3.4 ADJUSTING

A. Adjust work under provisions of Section 01 70 00.

B. Adjust and align door hardware to uniform clearance at vertical edges of doors. Clearance space not to exceed 3/16 inch.

C. Adjust door hinges so that free movement is attained and will locate in-swing doors in partial open position when unlatched. Return out-swinging doors to closed position.

3.5 CLEANING

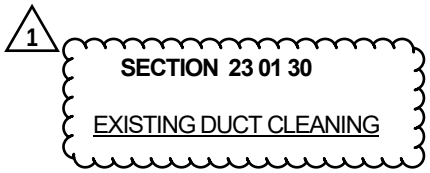
A. Clean work under provisions of Section 01 70 00.

B. Remove protective coverings.

C. Clean surfaces and hardware.

END OF SECTION

ADDENDUM 1, EXHIBIT "A"



PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes commissioning process requirements for HVAC&R systems, assemblies, and equipment.

B. Related Sections:
1. Section 01 33 00 Submittal
2. Section 23 30 00 Heating, Ventilation and Air Conditioning

1.3 GENERAL CONDITIONS

A. General Conditions of the construction contract shall be a part of these specifications, and shall govern the HVAC Systems Rehabilitation Contractor. All work shall be done in accordance with requirements of the Owner and the construction contractor.
1. Contractor's License: The Contractor shall be licensed in the State of California. This License shall be a C-61 Specialty License in the D-64 Duct Cleaning Sub-Division.
2. "National Air Duct Cleaners Association (NADCA): The contractor shall be a Certified Member in good standing with NADCA.
3. Contractor shall visit the site prior to bid and make himself thoroughly familiar with the site and existing conditions. By submitting a bid for HVAC equipment and duct cleaning, Contractor declares that he is familiar with existing conditions and is capable of executing work detailed herein at no additional cost(s) to the Owner.

1.4 QUALLITY ASSURANCE

A. Contractor shall have thorough knowledge and experience in the rehabilitation and cleaning of projects of similar type, size, and degree of difficulty completed within the last two years. Contractor agrees:
1. All work shall be supervised by a foreman having thorough knowledge and experience in the cleaning of air conditioning systems. Experienced, qualified personnel shall perform the work.
2. Contractor shall be fully covered by Workmen's Compensation, Public Liability and Property Damage Insurance, and certificates of these coverages and limits shall be provided to the Owner upon request.
3. Any mechanical problems discovered during the course of cleaning will be reported in writing within 24 hours to the project coordinator
4. Contractor shall leave area of work in same condition as when work started (on a day-to-day basis and from project start to finish).
5. Contractor shall keep work area free of all surplus material and debris. Upon completion of each shift, all tools, equipment, debris, etc. shall be moved to a designated area selected by the Owner.
6. Contractor shall take all necessary measures to minimize the migration of dust and other air borne particles during the cleaning process. ALL outlets and inlets leading to (or from) occupied spaces must be covered with a leak-proof catch basin. At no time shall dust and/or other air borne particles be blown or dispersed into any space within the building.
7. Contractor shall at all times be in compliance with Cal OSHA and EPA regulations.
8. Unless otherwise noted, Contractor shall be responsible for cleaning all existing supply, return, exhaust, and outside air intake duct to remain as indicated on plans. Any deviations from said section must be approved in writing by the Owner.

B. Photo Documentation: Documentation shall include the use of a digital camera and a fiberoptic boroscope, where required. Contractor shall take photos of conditions before and after cleaning for inclu-

ADDENDUM 1, EXHIBIT "A"

sion in a project report to be presented to the Owner at the conclusion of the work.

1.5 LABOR AND MATERIALS

A. Contractor shall furnish all labor, materials, supplies, tools, equipment, supervision, transportation and any other services or items necessary to accomplish the work.

B. Safety Procedures and Policy: Contractor shall provide adequate and necessary management personnel to ensure that all safety policies and project requirements are met.
1. Maintain safe and healthy employee working conditions and establish safe operating procedures at each job site.
2. Comply with the safety standards of all federal and state regulatory agencies as a minimum requirement for safety performance at each job site.
3. Comply with all of the safety requirements of the job site and safety requirements mandated by the Owner.
4. Contractor shall provide all necessary safety devices and personal protective equipment for employee use, and shall require their use when needed.
5. The work in progress shall be subject to random unannounced inspections by a representative of Owner.
6. Upon total completion of the project, representatives of Owner will do a quality control inspection. Any area that does not meet the standards of this specification shall be redone at no additional cost.
7. Electrical equipment, sensors and control devices shall be masked, or blocked off where required for protection for water or chemicals.
8. Disinfectant, when used, shall be applied in accordance with the manufacturer instructions, and may be used prior to coating application. System shall be dried after application of disinfectant.
9. HVAC coating shall be applied according to manufacturer instructions. Coating shall be sprayed, brushed, or rolled directly into interior ductwork surface. A continuous film of coating must be achieved. (Provide supplemental ventilation as required.)
10. All ducts too small to allow direct entrance shall have access openings installed approximately every 10-15 feet as required, and at each elbow and vertical riser. Each access opening shall be recovered with a panel made of the same gauge metal, and installed in such a manner as to insure an airtight job. All sheet metal ductwork shall be in accordance with SMACNA Standards, unless otherwise noted.

PART 2 PRODUCTS

2.1 MATERIALS AND PRODUCTS

A. Material Safety Data sheets for all materials and products used by Contractor shall be provided to Owner prior to start-up of cleaning operations.

B. Degreaser: Maintex 7-11 Armex Baking Soda Blasting Crystals or equal as approved by Owner.

C. Sanitizer Oxine BBJ Microblocide or other EPA registered equal as approved by Owner.

D. Re-Surfacing Treatments: Schuller Superseal Edgecoat Fosters 40-20 Vac-Systems Tough Coat Porta Sept by Porter Paints, containing EPA registered anti-microbial Swamp Cooler Repair condensate drain pan sealant or other EPA registered equal as approved by Owner.

E. Paint: Styletone Series 8 19 Machinery Grey Zynolite Spray Paint.

F. Insulating Lining Material: To match existing or Certainteed Tough Gard Certainteed Ultra-Lite Armaflex Astro-Foil or equal as approved by Owner.

G. Adhesives: Armstrong 520 DPIO/20 Super 77 Spray Adhesive or equal as approved by Owner.

H. Duct Sealant: DP 10/10 Top 12000 Silicone Sealant or equal as approved by Owner

PART 3 EXECUTION

ADDENDUM 1, EXHIBIT "A"

3.1 METHODOLOGY

A. Cleaning of Ductwork
1. All registers and diffusers shall be removed and cleaned with a mild detergent.
2. All ductwork (not accessible to personnel) shall be cleaned by compressed air, light brush agitation, or vibration agitation, or a combination of any of the above. All duct to be opened so the interior is as visible as possible.
3. Large ductwork shall be cleaned by manual brushing, or vibration agitation. All duct to be opened so as to visually observe the cleaning process.
4. All agitation of contaminants shall be accompanied by negative air pressure created by a negative air machine using a HEPA filter.
5. Access needed for proper cleaning shall be cut into rigid metal ducts at elbows and approximately every 15 feet. Holes shall be sized as appropriate to allow cleaning and visual inspection inside duct.
6. All flexible ducts shall be disconnected at joints and registers for cleaning. Flexible duct lengths of over 15 feet shall be cut at intervals not exceeding 15 feet.
7. Contractor shall provide access in existing ceilings and walls as required. Where openings are made for cleaning purposes, Contractor shall repair such ceilings and walls as required to give a uniform surface. Match existing materials, color and texture.
8. All interior dampers and turning vanes shall be cleaned with a stiff bristle brush and then vacuumed.
9. The surface of all unreplaced liner shall be coated. Any small tears in fiberglass will be repaired with lagging materials and then encapsulated.
10. All access holes made in ducts for cleaning purposes shall be sealed with galvanized sheet panels of the same of heavier gauge metal as the duct. Panels shall be installed with duct sealant and screwed into the duct at four-inch maximum on center, all around as required to maintain an airtight seal. Proof will be required.
11. All flexible ducts disconnected for the purpose of cleaning shall be reattached in the same manner as originally installed.
12. Clean all duct serving remodeled areas, including supply duct and transfer duct. Do not clean main return ductwork at the central air conditioning unit.

B. Hazardous Materials
1. When asbestos or other hazardous materials are encountered, Contractor shall document concern and forward to Owner forthwith.
2. Respiratory protection shall be OSHA/NIOSH approved with HEPA cartridges, or cartridges designed for specific contaminants.
3. No material that is not approved by regulatory authorities shall be introduced to the project as means for accomplishing work outlined herein.

END OF SECTION

ADDENDUM 1, EXHIBIT "A"

1

SECTION 23 09 23
DIRECT-DIGITAL CONTROL SYSTEM FOR HVAC

PART 1 - GENERAL

1.01 SUMMARY

A. The Direct-Digital Control (DDC) System specified herein shall include materials, operator workstation, building controllers, sensors, control valves, wiring, installation, start-up, testing, documentation and training for a complete operable system as required for this project.

B. Controls Engineering shall be provided by the local controls manufacturer representative.

C. Work specified under this section shall be performed by, or under the direct supervision of the local controls manufacturer representative, or by a contractor that is certified by the controls manufacture to perform all work within this spec section.

D. Alternate techniques, modifications or changes to any aspect of these specifications may be submitted as a voluntary alternate no later than (15) days prior to the bid date and with sufficient information for a complete evaluation. This information shall include product data sheets, a UL508A Standard for Industrial Control Panels statement of compliance for any locally manufactured control panels, a detailed sequence of operation and engineered shop drawing. Shop drawings shall include the following as a minimum. Point to point wiring diagrams for each piece of equipment to be controlled, a network riser diagram that will depict quantity and location of the operator workstation, controllers, routers and repeaters required for this project.

1.02 RELATED SECTIONS

A. 01 00 00: General Requirements

B. 01 33 00: Submittal Procedures

C. 23 00 00: Heating, Ventilating, and Air Conditioning (HVAC)

D. 26 00 00: Electrical

1.03 SUBMITTALS

A. Submit engineered shop drawings, sequences of operation, third party equipment and controls integration points and product data sheets covering all items of equipment for the proposed system prior to installation for approval. Any deviation from the contract documents shall be noted and the drawings signed and dated by the Contractor. Additionally, submit a UL508A Standard for Industrial Control Panels statement of compliance for any locally manufactured control panels.

B. After completion of the installation and commissioning, a full set of as-built documentation shall be turned over to the Owner. The as-built shall include operation and maintenance manuals, sequence of operation, shop drawings and digital copies of the following.

1. Complete DDC System database backup

2. Source files for all custom written controller applications

ADDENDUM 1, EXHIBIT "A"

3. Source files for graphics if required for this project

1.04 WARRANTY

A. Components, system software, and parts shall be guaranteed against defects in materials, fabrication, and execution for (1) year from date of system acceptance. Provide labor and materials to repair, reprogram, or replace components at no charge to the Owner during the warranty period.

B. Provide a list of applicable warranties for components, this list shall include warranty information, names, addresses, telephone numbers, and procedures for filing a claim and obtaining warranty services.

C. Respond to the Owner's request for warranty service within (24) hours during normal business hours. Submit records of the nature of the call, the work performed, and the parts replaced or service rendered.

D. Contractor shall request VPN access from owner and provide remote maintenance, software updates and repair service for the duration of the warranty period.

1.05 TRAINING

A. Provide a competent instructor who is factory trained and has comprehensive knowledge of system components and operations to provide full instructions to designated personnel in the system operation, maintenance, and programming. Training shall be specifically oriented to installed equipment and systems.

B. Provide (8) hours of onsite owner familiarization and training for the installed system. Training shall include system overview, time schedules, emergency operation, and programming and report generation.

C. Owner employees attending this training session shall be provided with the following documentation:

1. System layout point to point connection diagram.
2. System components cut sheets.
3. Operations and maintenance data.

1.06 PRODUCT DELIVERY, STORAGE AND HANDLING

A. Do not store or install electronic hardware on the project until non-condensing environmental conditions have been established.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

A. DDC Equipment: Carrier Dual IP BACnet Controls. No substitutions will be accepted.

B. Controls installation will be through Russell Sigler Inc. Controls Group.

C. The local manufacture representative will operate a free 40 hour a week, toll free customer support hotline for additional user support services that are required.

2.02 SYSTEM LISTING COMPLIANCE

A. Locally manufactured control panels shall meet all requirements as outlined by UL 508A standard and shall be both approved and listed by Underwriters Laboratories, Inc.

ADDENDUM 1, EXHIBIT "A"

2.03 COMMUNICATION

A. Controller and operator interface communication shall conform to ANSI/ASHRAE Standard 135, BACnet.

B. Each controller shall have a communication port for temporary connection to a laptop computer or other operator interface. Connection shall support memory downloads and other commissioning and troubleshooting operations.

C. Use owner provided Ethernet backbone for network segments.

2.04 OPERATOR INTERFACE

A. Description. The control system shall be as shown and consist of a high-speed, peer-to-peer network of DDC controllers and a stand-alone web server operator interface. Depict each mechanical system and building floor plan by a point-and-click graphic. A web server shall gather data from this system and generate web pages accessible through a conventional web browser on each PC connected to the network. Operators with sufficient access level shall have an ability to make changes to all system and equipment graphics in the web server in addition to having full DDC system access to make configuration changes to the control system. Any tools required for making graphic changes shall be provided with web server.

B. Operator Interface. Existing Web server interface as shown on the system drawings.

1. With the use of an owner provided remote SMTP email server the operators interface web server shall notify personnel of an alarm and record information about an alarm in the DDC system.

2. Any required installation or commissioning software shall be provided to the owner.

C. Operator Functions. Operator interface shall allow each authorized operator to execute the following functions as a minimum:

1. Log In and Log Out
2. Point-and-click Navigation
3. View and Adjust Equipment Properties
4. View and Adjust Operating Schedules
5. View and Respond to Alarms
6. View and Configure Trends
7. Manage Control System Hardware
8. Manage Operator Access

D. System Graphics. Operator interface shall be graphical and shall include at least one graphic per piece of equipment and graphics that summarize conditions on each floor of each building included in this contract. Indicate thermal comfort on floor plan summary graphics using dynamic colors to represent zone temperature relative to zone setpoint.

E. Trend Configuration. Operator shall be able to configure trend sample or change of value (COV) interval, start time, and stop time for each system data object and shall be able to retrieve data for use in spreadsheets and standard database programs.

F. Reports and Logs. Operator shall be able to select, to modify, to create, and to print reports and logs. Furnish the following standard system reports.

1. Alarm Reports
2. Schedule Reports
3. Security Reports
4. Commissioning Reports
5. Equipment Reports

G. Energy Conservation

1. Outside Air Lockout. Lock out heating or cooling modes based on configurable outside air temperature limits.

2. Demand Limiting

a. System shall monitor building power consumption from building power meter pulse generator signals or from building feeder line watt transducer or current transformer.

b. The system shall include all required hardware and software necessary to receive an Automated Demand Response (ADR) signal from the utilities Demand Response Automation Server (DRAS).

c. When power consumption exceeds adjustable levels, or the system receives an ADR signal from the utility, the system shall automatically adjust set points, and take other programmatic actions to reduce demand.

3. Optimal Start. The system shall bring the conditioned space to within occupied set points prior to the occupied time period to ensure occupant comfort.

4. Demand Controlled Ventilation (DCV).Each controlled space shall have a Carbon Dioxide (CO2) sensor and shall maintain a ventilation setpoint through a DCV algorithm to fulfill the requirements of ASHRAE standard, 62-1989 “Ventilation for Acceptable Indoor Air Quality” (including Addendum 62a-1990).

2.05 CONTROLLERS

A. General. The control system shall be available as a complete package with the required input sensors and devices readily available. Provide BACnet Building Controllers (BC), Advanced Application Controllers (AAC), Application Specific Controllers (ASC), and Sensors (SEN) as required.

B. Stand-Alone Operation. Each piece of equipment shall be controlled by a single controller to provide stand-alone control in the event of communication failure.

C. Serviceability. Controllers shall have diagnostic LEDs for power, communication, and processor.

D. Rooftop Unit Controller (RTC). Defined as Application Specific Controllers (ASC), shall be factory installed by the HVAC manufacturer and shall control all associated HVAC rooftop equipment functions in a single zone application or as part of a zoning system application.

1. Capacity control shall be based by the RTC internal time clock and setpoints (cooling and heating) coupled with a communicating room sensor. The controls shall provide separate occupied and unoccupied cooling and heating setpoints.

2. RTC shall utilize up to 2 speed of fan control, up to 3 stages of cooling, and up to 4 stages of heating.

3. RTC shall provide economizer control that has been certified for Fault Detection and Diagnostics (FDD) by California Energy Commission (CEC). The FDD system shall detect the following faults:
   a. Air temperature sensor failure/fault
   b. Not economizing when it should
   c. Economizing when it should not
   d. Damper not modulating
   e. Excess outdoor air

ADDENDUM 1, EXHIBIT "A"

E. Zone Controller (ZC). Defined as Application Specific Controllers (ASC) shall be capable of independent zone control or function as part of the zoning system.

1. ZC shall have an integrated brushless actuator, onboard pressure sensor and shall perform pressure independent zone control by measuring and controlling CFM being delivered to the zone.

F. Bypass Controller (BC). Defined as Application Specific Controllers (ASC) shall be capable of reading supply static pressure and controlling the bypass damper (or a VFD speed control output) to maintain the supply static set point in the supply duct. This operation shall be provided when operating within a zoning system application, or in a stand-alone mode.

1. BC shall have an integrated brushless actuator and onboard pressure sensor to measure and control duct static pressure.

G. General Purpose Controller. Defined as Advanced Application Controller (AAC) shall be a solid state micro-controller with pre-tested and factory configured software designed for controlling building equipment using DDC algorithms and facility management routines. The controller shall be capable of operating in either a stand-alone mode or as part of a network.

2.06 FIELD INSTALLED SENSORS

A. Space Temperature Sensors shall communicate to the controller over a 4-wire communication network and have setpoint adjustment, after hours override, occupancy sensor, LCD display and a communication service port.

B. Carbon dioxide sensor (CO2) shall be integrated into the Space Temperature Sensors and have integral programming to perform automatic baseline calibration without user interface. The recommended manual recalibration period shall not be less than five years.

C. Status indication for fans or pumps shall be provided by current sensing switch. The sensor shall be installed at the motor starter or motor to provide load indication. The unit shall consist of a current transformer, a solid state current sensing circuit (with adjustable set point) and a solid state switch. A light emitting diode (LED) shall indicate the on off status of the unit.

2.07 CONTROL PANELS

A. Provide single-door, UL 508A Listed; NEMA Type 1, 3R or 4 to match environmental conditions, wall-mount enclosures for each system under automatic control. Mount relays, switches, and controllers in cabinet and indicators, pilot lights, push buttons and switches flush on enclosure exterior face as required.

B. Fabricate panels from 16 gauge steel with ANSI 61 gray finish and shall include (1) black padlock handle that will accommodate a padlock with up to a 5/16-in. locking bar for secure access to the enclosure contents. All additional latches shall be black non-locking handle type.

C. Provide engraved name plates that identify each control panel and for each component mounted to the exterior of the enclosure.

D. Provide a complete wiring diagram, bill of material for all components and markings with the following information:

1. Manufacturer’s name or trademark

2. Supply voltage, number of phases, frequency, and full-load current for each incoming supply circuit

ADDENDUM 1, EXHIBIT "A"

3. Enclosure type number

PART 3 - EXECUTION

3.01 ELECTRICAL WIRING

A. This contractor is responsible for all low voltage electrical installation and wiring for a fully operational DDC System as shown on the drawings and shall perform electrical installation in accordance with local and national electrical codes and in accordance with Division 26.

B. Install all HVAC control wiring, 24vdc or less, in electrical metallic tubing (EMT) when wire is concealed in walls and in exposed areas. Rigid metal conduit (RMC) will be used when conduit will be installed on roofs. Plenum wire may be used in ceilings where anchored support is provided every 10 feet.

C. Electrical Contractor is responsible for providing power from local electrical panels to the DDC System control panels.

3.02 ACCEPTANCE PROCEDURE

A. Upon completion of the installation, the contractor shall start-up the system and perform all necessary calibration and testing to ensure the proper operation of the DDC System.

B. After all calibration and testing have been completed, the contractor shall schedule a hardware demonstration and system acceptance test to be performed in the presence of the designated owner's representatives.

C. The contractor shall be a member of the designated Commissioning Team and shall be responsible for performing procedures presented in specification and contract drawings as detailed in the Functional Performance Tests (FPT).

END OF SECTION

SECTION 31 05 13

SOILS FOR EARTHWORK

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:
1. Subsoil materials.
2. Topsoil materials.

B. Related Sections:
1. Section 31 05 16 - Aggregates for Earthwork.
2. Section 31 23 16 - Excavation.
3. Section 31 23 17 - Trenching.
4. ~~Geotechnical report; bore hole locations and findings of subsurface materials.~~

1.2 REFERENCES

A. ASTM International:
1. ASTM D1557 - Standard Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort (6,000 ft-lbf/ft3 (2,700 kN-m/m3)).
2. ASTM D2487 - Standard Classification of Soils for Engineering Purposes (Unified Soil Classification System).

1.3 SUBMITTALS

A. Section 01 33 00 - Submittal Procedures: Requirements for submittals.

B. Samples: Submit, in air-tight containers, 10 lb sample of each type of fill to testing laboratory.

C. Materials Source: Submit name of imported materials source.

D. Manufacturer's Certificate: Certify Products meet or exceed specified requirements.

1.4 QUALITY ASSURANCE

A. Perform Work in accordance with local City and County Standards.

PART 2 PRODUCTS

2.1 MATERIALS

A. Materials (existing and import) are subject to the approval of the Soils Engineer for use in the project. All earthwork shall conform with the requirements of the Geotechnical Evaluation.

2.2 SUBSOIL MATERIALS

A. Stockpiled Subsoil: Excavated on-site material with an organic content of less than 3 percent by volume, graded free of lumps and rocks larger than 3 inches, with not more 40 percent larger than 1 1/2 inches.

ADDENDUM 1, EXHIBIT "A"

B. Imported Subsoil: Low or very low-expansion (UBC Expansion Index of 20 or less per C.B.C., Article 1803A.2) granular soils with a plasticity index of 12 or less, free of debris with lumps and rocks no larger than 3 inches. Materials shall contain sufficient fines (binder) to result in a stable subgrade. Imported material shall comply with DTSC requirements.

C. Ball Field Subsoil: Free of rocks larger than 1 inch in the top 12 inches of subgrade.

2.3 TOPSOIL MATERIALS

A. Stockpiled Topsoil: Excavated material, graded free of roots, rocks larger than one inch, subsoil, debris and large weeds.

B. Imported Topsoil: Friable loam, free of subsoil, roots, grass, excessive amounts of weeds, stones and foreign matter; acidity range (ph) of 5.5 to 7.5; containing an amount of organic matter normal to the region.

2.4 SOURCE QUALITY CONTROL

A. Section 01 40 00 - Quality Requirements: Testing and inspection services.

B. Testing and Analysis of Subsoil Material: Perform in accordance with ASTM D1557.

C. Testing and Analysis of Topsoil Material: Perform in accordance with ASTM D1557.

D. When tests indicate materials do not meet specified requirements, change material and retest.

PART 3 EXECUTION

3.1 EXCAVATION

A. Excavate subsoil and topsoil from areas designated. Strip topsoil to full depth of topsoil in designated areas.

B. Stockpile excavated material meeting requirements for subsoil materials and topsoil materials.

C. Remove excess excavated subsoil and topsoil not intended for reuse, from site.

D. Remove excavated materials not meeting requirements for subsoil materials and topsoil materials from site.

3.2 STOCKPILING

A. Stockpile materials on site.

B. Stockpile in sufficient quantities to meet Project schedule and requirements.

C. Separate differing materials with dividers or stockpile apart to prevent mixing.

D. Stockpile topsoil 8 feet high maximum.

E. Prevent intermixing of soil types or contamination.

F. Direct surface water away from stockpile site to prevent erosion or deterioration of materials.

ADDENDUM 1, EXHIBIT "A"

3.3 STOCKPILE CLEANUP

A. Remove stockpile, leave area in clean and neat condition. Grade site surface to prevent free standing surface water.

B. When borrow area is indicated, leave area in clean and neat condition. Grade site surface to prevent free standing surface water.

END OF SECTION

ADDENDUM 1, EXHIBIT "A"

SECTION 32 17 23

PAVEMENT MARKINGS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Traffic lines and markings and paint.

B. Tactile detectable warning devices.

1.2 RELATED SECTIONS

A. Section 32 12 16 - Asphalt Paving.

B. Section 32 13 13 - Concrete Paving.

C. Section 32 17 13 - Parking Bumpers

1.3 REFERENCES

A. AASHTO M309 - White and Yellow Fast-Dry Traffic Paint.

B. ASTM International:
1. ASTM D34 - Chemical Analysis of White Pigments.
2. ASTM D969 - Laboratory Determination of Degree of Bleeding of Traffic Paint.
3. ASTM D1475 - Density of Liquid Coatings, Inks, and Related Products.
4. ASTM D2371 - Pigment Content of Solvent-Reducible Paints.

C. Federal Test Method Standard No. 41.

D. FS TT-P 1952D Type I.

E. FS TT-P 1952D Type II.

F. 2019 California Building Code

1.4 PERFORMANCE REQUIREMENTS

A. Paint Adhesion: Adhere to surface forming smooth continuous film two minutes after application.

B. Paint Drying: Tack free by touch so as not to require coning or other traffic control devices to prevent transfer by vehicle tires within five minutes after application.

1.5 PAVEMENT MARKINGS REQUIREMENTS

A. Accessible parking spaces serving a particular building or facility shall be located, and dispersed if serving more than one accessible entrance, on the shortest accessible route to an entrance or to multiple accessible entrances. CBC Sections 11B-208.3.1

B. Accessible parking spaces in a parking facility not serving a particular building or facility shall be located on the shortest accessible route to an accessible pedestrian entrance of the parking facility. CBC Sections 11B-208.3.1

C. Minimum number of required accessible parking spaces shall be provided in accordance with CBC Table 11B-208.2 for each parking facility provided.

ADDENDUM 1, EXHIBIT "A"

D. For every six or fraction of six accessible parking spaces, at least one shall be an accessible van parking space. CBC Section 11 B-208.2.4

E. Accessible parking spaces and access aisles shall comply with CBC Section 11B-502 and shall be dimensioned to the centerline of the marked lines as follows:

1. Parking spaces and access aisles shall be marked according to CBC Figures 11B-502.2, 11B-502.3, and 11B-502.3.3. Their surfaces shall comply with CBC Section 11B-302 and shall be at the same level with slopes not steeper than 1 :48 in any direction. CBC Section 11B-502.4
2. Parking spaces shall be 9'x18' minimum and van parking spaces shall be 12'x18' minimum with an adjacent access aisle of 5'x18' minimum. Access aisles shall be placed on either side of the parking spaces except be located on the passenger side for van parking spaces. Van parking spaces shall be permitted to be 9'x18' minimum where the access aisle is 8'x18' minimum.
3. Access aisles shall be marked by a blue painted borderline around their perimeter. The area within the blue borderlines shall be marked with hatched lines a maximum of 36" on center in a color contrasting with that of the aisle surface, preferably blue or white. Access aisle markings may extend beyond the minimum required length. CBC Section 11B-502.3.3
4. Access aisles (parking spaces as well - similar application) shall not overlap the vehicular way. CBC Section 11B-502.3.4
5. A vertical clearance of 8'-2" minimum shall be provided for accessible parking spaces, access aisles, and vehicular routes serving them. CBC Section 11B-502.5

F. At least one passenger loading zone shall be provided in every continuous 100 linear feet of loading zone space, or fraction thereof, complying with CBC Sections 11B-209 and 11B-503 as follows:

1. Vehicle pull-up spaces shall be 8'x20' minimum . Access aisles shall be 5'x20' minimum and shall be adjacent and parallel to the vehicular pull-up spaces. They shall be at the same level with slopes not steeper than 1:48 in any direction. CBC Section 11B-503.4
2. Access aisles for passenger drop-off and loading zone shall be marked with a painted borderline around their perimeter. The area within the borderlines shall be marked with hatched lines a maximum of 36" on center in a color contrasting with that of the aisle surface. CBC Section 11B-503.3
3. A vertical clearance of 9'-6" minimum shall be provided for vehicle pull-up spaces, access aisles, and a vehicular route serving them connecting a vehicular entrance and a vehicular exit. CBC Section 11B-503.5

G. Bus loading zones and bus stops shall comply with CBC Sections 11B-209 and 11B-810.2 as follows:

1. Boarding and alighting areas shall be of 8' x 5' minimum, with 8' measured perpendicular to the curb or vehicle roadway edge, and with 5' measured parallel to the vehicle roadway. Slopes in 8' direction shall be 1:48 maximum. Slopes in 5' direction shall be the same as that of the roadway, to the maximum extent practicable. CBC Figure 11B-810.2.2
2. Bus shelters shall provide a minimum 30" x 48" clear floor or ground space (36" x 48" or 36" x 60" as applicable in an alcove), with slopes not steeper than 1:48 in any direction, entirely within the shelter complying with CBC Section 11B-305.

H. Bus shelters shall be connected by an accessible route complying with CBC Section 11B-402 to a boarding and alighting area complying with CBC Section 11B-810.2. CBC Figure 11B-810.3

ADDENDUM 1, EXHIBIT "A"

1.6 SUBMITTALS

A. Section 01 30 00 - Submittals: Requirements for submittals.

B. Product Data: Submit paint formulation for each type of paint.

C. Manufacturer's Installation Instructions: Submit instructions for application temperatures, eradication requirements, application rate, line thickness, and any other data on proper installation.

1.7 QUALITY ASSURANCE

A. Perform Work in accordance with State of California Public Work's standard.

1.8 QUALIFICATIONS

A. Manufacturer: Company specializing in manufacturing Products specified in this section with minimum five years experience.

B. Applicator: Company specializing in performing work of this section with minimum three years documented experience approved by manufacturer.

1.9 DELIVERY, STORAGE, AND HANDLING

A. Section 01 40 00 - Quality Control: Requirements for transporting, handling, storing, and protecting products.

B. Comply with AASHTO M309 for paint storage life, packaging and marking requirements. Invert containers several days prior to use when paint has been stored more than 2 months. Minimize exposure to air when transferring paint. Seal drums and tanks when not in use.

1.10 ENVIRONMENTAL REQUIREMENTS

A. Do not apply materials when surface and ambient temperatures are outside temperature ranges required by paint product manufacturer.

B. Do not apply exterior coatings during rain or snow when relative humidity is outside humidity ranges, or moisture content of surfaces exceed those required by paint product manufacturer.

C. Do not apply paint when temperatures are expected to fall below 60 degrees F for 24 hours after application.

D. Volatile Organic Content (VOC). Do not exceed State or Environmental Protection Agency maximum VOC on traffic paint.

PART 2 PRODUCTS

2.1 PAINTED PAVEMENT MARKINGS



A. Provide chlorinated rubber-alkyd type, ~~3"~~ 4" wide white color, except at parking spaces for the disabled, which shall be blue in color equal to Color No. 15090 per Federal Standard 595c. Fire lane striping shall be red.
   1. Pavement-Marking Paint: MPI #32, alkyd traffic-marking paint.
   2. Glass Beads: AASHTO M 247, Type 1 made of 100 percent recycled glass.
   3. VOC Content: Pavement markings used on building interior shall have a VOC content of 150 gIL or less.

ADDENDUM 1, EXHIBIT "A"

B. Manufacturers:
   1. Kelly-Moore Paint Company, "Traffic Paint".
   2. Mercury Paint Company, "Traffic Paint".
   3. PPG, "Traffic and Zone Marking Paint".
   4. Substitutions: Under provisions of Section 01 60 00.

C. Parking spaces for the disabled shall be marked according to CBC Section 11B-502.

D. Tactile warning lines shall be in conformance to CBC Section 11B-502.

2.2 EQUIPMENT

A. For application of crosswalks, intersections, stop lines, legends and other miscellaneous items by walk behind stripers, hand spray or stencil trucks, apply with equipment meeting requirements of this section. Do not use hand brushes or rollers.

2.3 TACTILE DETECTABLE WARNING DEVICES

A. Prefabricated high impact plastic truncated dome tiles, yellow in color equal to Color No. 33538 per Federal Standard 595c, conforming to the requirements of CBC Section 11B-705.1.

B. Detectable warning surfaces shall differ from adjoining surfaces in resiliency or sound-on-case contract. Such constraint shall not be required for detectable warning surfaces at curb raps, islands, or cut-through medians.

C. Manufacturers:

   1. Armor-Tile Tactile Systems
      Phone: 800-682-2525 Website: https://armor-tile.com
      a. Cast in place detectable warning paver, Model ADA-C 3660W
      b. Surface applied diamond-hard vitrified polymer composite tile, Model ADA-S-3660W

   2. Substitutions: Under provisions of Section 01 60 00.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that surfaces are ready to receive work as instructed by the product manufacturer.

B. Do not apply paint to paving surfaces until paving has cured for 28 days.

C. Beginning of installation means acceptance of existing surfaces.

3.2 PREPARATION

A. Surface Preparation.
   1. Clean and dry paved surface prior to painting.
   2. Blow or sweep surface free of dirt, debris, oil, grease or gasoline.
   3. Spot location of final pavement markings as specified and as indicated on Drawings.
   4. Notify Construction Manager after placing pavement spots and minimum 3 days prior to applying traffic lines and markings.

ADDENDUM 1, EXHIBIT "A"

3.3 EXISTING WORK

A. Remove existing markings in an acceptable manner. Do not remove existing pavement markings by painting over with blank paint. Remove by methods that will cause least damage to pavement structure or pavement surface. Satisfactorily repair any pavement or surface damage caused by removal methods.

B. Clean and repair existing remaining and reinstalled lines and legends.

3.4 APPLICATION

A. Agitate paint for 1-15 minutes prior to application to ensure even distribution of paint pigment.

B. Dispense paint at Manufacturer's recommended temperature to provide opaque coverage when dry.

C. Lay out line markings and other painting in accordance with Drawings. Lines shall be 4 inches wide unless otherwise noted on drawings. Parking stalls for the disabled shall be marked according to CBC Section 11B-502.

D. Prevent splattering and over spray when applying markings.

E. Protect markings from traffic until track free. When vehicle crosses a marking and tracks it or when splattering or over spray occurs, eradicate affected marking and resultant tracking and apply new markings.

F. Collect and legally dispose of residues from painting operations.

3.5 APPLICATION TOLERANCES

A. Section 01 40 00 - Quality Control: Tolerances.

B. Maximum Variation from Wet Paint Line Width: Plus or minus 1/8 inch.

3.6 FIELD QUALITY CONTROL

A. Section 01 40 00 - Quality Control: Field inspecting, testing, adjusting, and balancing.

B. Inspect for incorrect location, line width, coverage, retention, uncured or discolored material, and insufficient bonding.

C. Repair lines and markings, which after application and curing do not meet following criteria:
   1. Incorrect Location: Remove and replace incorrectly placed patterns.
   2. Insufficient Thickness, Line Width or Paint Coverage: Prepare defective material by acceptably grinding or blast cleaning to remove substantial amount of beads and to roughen marking surface. Remove loose particles and debris. Apply new markings on cleaned surface in accordance with this Section.
   3. Uncured or Discolored Material, Insufficient Bonding: Remove defective markings in accordance with this Section and clean pavement surface one foot beyond affected area. Apply new markings on cleaned surface in accordance with this Section.

D. Replace defective pavement markings as specified throughout warranted period. Replace markings damaged by anti-skid materials, chemical deicers or other loss of marking material regardless of cause.

E. Replace failed or defective markings in entire section of defective markings within 30 days after notification when the following exists during warranty period:

ADDENDUM 1, EXHIBIT "A"

1. Marking is discolored or exhibits pigment loss, and is determined to be unacceptable.

F. Replace pavement marking material under warranty using original or better type material. Continue warranty to end of original period even when replacement materials have been installed as specified.

G. When eradication of existing paint lines is necessary, eradicate by shot blast or water blast method. Do not gouge or groove pavement more than 1/16 inch during removal. Limit area of removal to area of marking plus 1 inch on all sides. Prevent damage to transverse and longitudinal joint sealers, and repair any damage according to industry standard.

3.7 PROTECTION OF FINISHED WORK

A. Protect painted pavement markings from vehicular and pedestrian traffic until paint is dry and track free. Follow Manufacturer's recommendations. Barrier cones will be considered satisfactory protection for materials requiring more than 2 minutes dry time.

3.8 TACTILE DETECTABLE WARNING DEVICES

A. Install truncated dome tiles as indicated on Drawings.

B. Anchor permanently in place in accordance with manufacturer's directions.

C. Detectable warning surfaces:
1. Detectable warning surfaces shall comply with **CBC Section 11B-705.1**.
2. Detectable warning surfaces at transit boarding platform edges, bus stops, hazardous vehicular areas, reflecting pools, and track crossings shall be yellow and approximate **FS 33538 of Federal Standard 595C**. Detectable warning surfaces at other locations shall be either the aforementioned yellow or a color providing a 70 percent minimum visual contract with that of the adjacent walking suefaces. The materialused to provide visual contract shall be integral part of the surface. **CBC Section 11B-705.1.1.3**
3. Detectable warning surfaces shall differ from adjoining surfaces in resiliency or sound-on-cane contact. Such constraint shall not be required for detectable warning surfaces at curb ramps, islands or cut-through medians. **CBC Section 11B-705.1.1.4**.

END OF SECTION

ADDENDUM 1, EXHIBIT "A"

SHEET SIZE: ARCH E (30"X42")
PLOT DATE: 07/14/2026 3:45:54 PM

UPGRADE EXISTING ACCESSIBLE PARKING AND DROP OFF. SEALCOAT AND RE-STRIPE EXISTING ASPHALT PARKING LOT. UPGRADE EXISTING PAVING FOR ACCESSIBLE PATH OF TRAVEL AS FOLLOWS:

1. PUBLIC WAY TO PARKING, DROP-OFF & ADMINISTRATION BUILDING.
2. ADMINISTRATION TO BUILDING 200 & 600.
3. ADMINISTRATION TO EXISTING RELO COMPLEX @ WESTSIDE OF CAMPUS.

UPGRADE EXISTING MEN'S & WOMEN'S RESTROOMS IN BUILDING 200 AND BOYS & GIRLS RESTROOMS IN BUILDING 600 TO MEET CURRENT CODE REQUIREMENTS.
REMOVE & REPLACE EXISTING FIRE ALARM, PA AND SECURITY SITE WIDE.
REMOVE & REPLACE HVAC UNITS AT BUILDING 200, 300, 500, 600 & 700.

SCOPE OF WORK

GENERAL

1. DIMENSIONS ARE FROM FACE OF WALL OR CENTER LINE OF COLUMNS, MULLIONS & STUDS UNLESS OTHERWISE NOTED.
2. EQUIPMENT SHOWN DOTTED IS NOT IN THIS CONTRACT.
3. THE CONTRACTOR SHALL REVIEW THE PLANS AND SITE AND COORDINATE ALL THE WORK REQUIRED FOR THE PROJECT.
4. THE CONTRACTOR SHALL TAKE DUE NOTE THAT THE DRAWINGS IDENTIFIED AS ARCHITECTURAL, STRUCTURAL, ELECTRICAL, PLUMBING & MECHANICAL ARE FOR COORDINATION OF TRADES AND ARE NOT TO BE INTERPRETED AS EXCLUSIVE WORK ONLY. ALL TRADES ARE TO VERIFY WITH ALL DRAWINGS FOR ALL REQUIRED WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ANY AND ALL EXISTING UTILITY LINES OR STRUCTURES WITHIN AND ADJACENT TO DEMOLITION OR CONSTRUCTION AREA, WHETHER SHOWN OR NOT SHOWN HEREIN.
6. THE CONTRACTOR SHALL INSPECT EXISTING SITE CONDITIONS AND VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO ANY LAND DISTURBANCE. CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGE TO ANY PUBLIC OR NON-PUBLIC UTILITY. THE CONTRACTOR SHALL REVIEW PLANS AS REQUIRED FOR COORDINATION OF THE NEW WORK WITH EXISTING CONDITIONS.
7. THE CONTRACTOR SHALL OBTAIN ALL CLEARANCES REQUIRED FOR ALL WORK (DEMOLITION, RELOCATION AND NEW WORK) SUCH AS(BUT NOT LIMITED TO) REMOVAL OF STRUCTURES, TREES, TURF AREAS, WEEDS, GURBS, GUTTERS AND RELOCATION AND/OR REMOVAL OF EXISTING UTILITIES ON- AND OFF-SITE AS MAY BE REQUIRED.
8. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND LICENSES NECESSARY, INCLUDING UTILITY FEES. THE OWNER WILL REIMBURSE THE CONTRACTOR THE ACTUAL DOCUMENTED COST OF SUCH PERMITS, LICENSES AND FEES, WITH NO OVERHEAD OR PROFIT ADDED.
9. THE CONTRACTOR SHALL LEAVE THE CONSTRUCTION AREAS CLEAN AND FREE OF ALL DEBRIS. ALL SUCH DEBRIS SHALL BE LEGALLY DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
10. DUST SHALL BE CONTROLLED AS REQUIRED BY SAN BERNARDINO COUNTY DUST CONTROL POLICIES.
11. NO WORK WHATSOEVER SHALL BE STARTED WITHOUT FIRST NOTIFYING THE OWNER, AND ARCHITECT. REFER TO THE PROJECT MANUAL.
12. UNLESS SPECIFIED ON THE STRUCTURAL / ARCHITECTURAL DRAWINGS, ANY ALTERATION OR MODIFICATIONS TO A STRUCTURAL ELEMENT BY CUTTING, DRILLING, BORING, BRACING WELDING, ETC. SHALL HAVE WRITTEN APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO START OF WORK.
13. ALL WORK SHALL CONFORM TO THE 2019 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
14. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

DEMOLITION & PATCHING

15. DEMOLITION INDICATED IS FOR THE CONVENIENCE OF THE CONTRACTOR AND MAY NOT INDICATE THE FULL EXTENT OF DEMOLITION REQUIRED FOR THE PERFORMANCE OF THE CONTRACT. CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE SCOPE OF DEMOLITION WORK REQUIRED.
16. PATCH AND REPAIR EXISTING SURFACES AS REQUIRED DUE TO DEMOLITION OR PERFORMANCE OF NEW CONSTRUCTION. ALL NEW WORK SHALL MATCH EXISTING IN KIND, QUALITY, AND FINISH, UNLESS NOTED OR SPECIFIED OTHERWISE.
17. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.

FIRE / LIFE SAFETY

18. ALL PENETRATIONS THROUGH FIRE RESISTIVE WALL OR FLOOR ASSEMBLIES SHALL BE PROTECTED BY AN APPROVED PENETRATION FIRESTOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH UBC STANDARD 7-5 (ASTM E814)
19. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS AND OBSERVE FIRE SAFETY REGULATIONS DURING CONSTRUCTION, ALTERATION, DEMOLITION AND ASBESTOS REMOVAL AS NOTED IN 2019 CFC, CHAPTER 33, 4 CBC, CHAPTER 33.
20. FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH 2019 CFC, CHAPTER 33, & CBC, CHAPTER 33.

DIVISION OF THE STATE ARCHITECT

21. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE BY AN ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, T-24, C.C.R.
22. A PROJECT INSPECTOR WITH A CLASS 3 CERTIFICATION FROM THE DIVISION OF THE STATE ARCHITECT, EMPLOYED BY THE SCHOOL DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT, SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, T-24 C.C.R.
23. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
24. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISH WORK SHALL COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR).

GENERAL NOTES

A	AB	AGGREGATE BASE
	ABV	ABOVE
	ACC	ACCESS
	ADJ	ADJACENT
	A/C	AIR CONDITIONING
	AC	ASPHALTIC CONCRETE
	ALT	ALTERNATE
	ALUM	ALUMINUM
	AB	ANCHOR BOLT
	ANOD	ANODIZED
	ARCH	ARCHITECT
B	BM	BENCHMARK / BEAM
	BTW	BETWEEN
	BIT	BITUMINOUS
	BLKG	BLOCKING
	BD	BOARD
	BLDG	BUILDING
C	CAB	CABINET
	CPT	CARPET
	CI	CAST IRON
	CB	CATCH BASIN
	CLG	CEILING
	℄	CENTERLINE
	CT	CERAMIC TILE
	C.L.	CHAIN LINK
	CLR	CLEAR
	COL	COLUMN
	CMU	CONCRETE MASONRY UNIT
	CONT	CONTINUOUS
	C.J./C.JT	CONTROL JOINT
	C.C.R.	CA CODE OF REGULATIONS
D	DEMO	DEMOLISH / DEMOLITION
	DIA	DIAMETER
	DWG	DRAWING
	D.S.A.	DEPT. OF THE STATE ARCHITECT
	DF	DRINKING FOUNTAIN/ DOUGLAS FIR
E	(E)	EXISTING
	ELEC	ELECTRICAL
	ELEV	ELEVATION
	EXT	EXTERIOR
	EWF	ELECTRICALLY WELDED WIRE FABRIC
	EJ	EXPANSION JOINT
	EN	END NAIL
F	FF	FINISH FLOOR
	FA	FIRE ALARM
	FRP	FIBERGLASS REINFORCED PANELS
	FE	FIRE EXTINGUISHER
	F.E.C.	FIRE EXTINGUISHER CABINET
	FHMS	FLATHEAD MACHINE SCREW
	FHWS	FLATHEAD WOOD SCREW
	FD	FLOOR DRAIN
	FTG	FOOTING
	FND	FOUNDATION
	FUR/FURR	FURRING
	FS	FLOOR SINK / FINISH SURFACE
G	GA	GAGE/GAUGE
	GALV	GALVANIZE
	GC	GENERAL CONTRACTOR
	GLB	GLU LAM BEAM/GLASS BLOCK
	GB	GRADE BEAM/GRAB BAR
	GYP BD	GYPSUM WALL BOARD
H	HDR	HEADER
	HVAC	HEATING,VENTILATING AND AIR CONDITIONING
	HORIZ	HORIZONTAL
	HB	HOSE BIB
	HW	HOT WATER HEATER
	HSS	HOLLOW STRUCTURAL SECTION
I	INT	INTERIOR
	INV	INVERT
J	JT	JOINT
	JST	JOIST
K	KIT	KITCHEN
L	LB	LAGBOLT
	LAM	LAMINATED
	LAV	LAVATORY
	LTL	LINTEL
M	MB	MACHINE BOLT
	MH	MANHOLE
	MFR	MANUFACTURER
	MAS	MASONRY
	MO	MASONRY OPENING
	MAX	MAXIMUM
	MECH	MECHANICAL
	MBR	MEMBER
	MIN	MINIMUM OR MINUTE
	MISC	MISCELLANEOUS
	MOD	MODULE (LAR)
N	NRC	NOISE REDUCTION COEFFICIENT
	NOM	NOMINAL
	NIC	NOT IN CONTRACT
	NTS	NOT TO SCALE
	NO	NUMBER
	(N)	NEW
O	O/C	ON CENTER
	OPP	OPPOSITE
	OD	OUTSIDE DIAMETER
	OHMB	OVAL-HEAD MACHINE BOLT
	OHWS	OVAL-HEAD WOOD SCREW
	OH	OVERHEAD
	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
P	PL	PLATE
	POC	POINT OF CONNECTION
	PA	PLANTER AREA
	PSI	POUNDS PER SQUARE INCH
	P	PROPERTY LINE
	(P)	PROPOSED
	PH	PANIC HARDWARE
	PVC	POLYVINYL CHLORIDE (PIPE)
Q	QT	QUARRY TILE
R	RPA	RAISED PLANTER AREA
	RAD	RADIUS
	REF	REFRIGERATOR
	REG	REGISTER
	RET	RETURN
	RAG	RETURN AIR GRILL
	REV	REVISION
	RD	ROOF DRAIN
	RM	ROOM
	RO	ROUGH OPENING
S	SCHD	SCHEDULE
	SEC	SECTION
	SHT	SHEET
	SIM	SIMILAR
	SPEC	SPECIFICATION
	SQ	SQUARE
	SS	STAINLESS STEEL
	STD	STANDARD
	STL	STEEL
	STOR	STORAGE
	SD	STORM DRAIN
	STRUCT	STRUCTURAL
T	TEL	TELEPHONE
	TV	TELEVISION
	T.J.	TOOL JOINT
	T&G	TONGUE & GROOVE
	T.S.	TOP OF SHEATHING
	TS	TUBE STEEL
	TYP	TYPICAL
U	UC	UNDERCUT
	UG	UNDERGROUND
	U.N.O.	UNLESS NOTED OTHERWISE
V	VERT	VERTICAL
	VCT	VINYL COMPOSITION TILE
W	WC	WATER CLOSET
	W/	WITH
	W/O	WITHOUT
	WI	WROUGHT IRON

ABBREVIATIONS

TITLE 24

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2020*
2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR*
2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
(2018 INTERNATIONAL BUILDING CODE, VOL. 1 & 2, AND 2019 CALIFORNIA AMENDMENTS)
2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
(2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
(2018 IAPMO UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
(2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)
2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR
2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
(2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS)
2019 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
(2018 INTERNATIONAL EXISTING BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS)
2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR
2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
2016 ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS (PER 2019 CBC PART 2 CH 35)
NOTE: CAL/OSHA ELEVATOR UNIT ENFORCES CCR TITLE 8 AND USES THE 2004 ASME A17.1 BY ADOPTION

APPLICABLE NFPA STD. (PARTIAL LIST)

PARTIAL LIST OF APPLICABLE STANDARDS
NFPA 13 - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED).....2016 EDITION
NFPA 14 - STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS (CA AMENDED).....2016 EDITION
NFPA 17 - STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS.....2017 EDITION
NFPA 17A - STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS.....2017 EDITION
NFPA 20 - STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION.....2016 EDITION
NFPA 22 - STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION.....2013 EDITION
NFPA 24 - STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (CA AMENDED).....2016 EDITION
NFPA 72 - NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED).....2016 EDITION
NFPA 80 - STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES.....2016 EDITION
NFPA 2001 - STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED).....2015 EDITION
UL 300 - STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT.....2005 (R2010)
UL 464 - AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES.....2003 EDITION
UL 521 - STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS.....1999 EDITION
UL 1971 - STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED.....2002 (R2010)
ICC 300 - STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS.....2017 EDITION

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2019 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.

SEE CALIFORNIA BUILDING CODE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

CODE REFERENCES

PROJECT DIRECTORY

PROJECT ADDRESS:
QUAIL VALLEY MIDDLE SCHOOL
10055 ARROWHEAD ROAD,
PHELAN, CA 92371

PROJECT OWNER:
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT
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PHELAN, CA 92371
(760) 868-5517
DIRECTOR OF MAINTENANCE & OPERATIONS: RICHARD DAWSON

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GINO BASTIANON

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PROJECT MANAGER

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RANCHO CUCAMONGA, CA. 91701
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CONTACT:
LUIS FLORES

MECHANICAL/PLUMBING:
OPTIMUM ENERGY DESIGN
5200 E. LA PALMA AVE.,
ANAHEIM, CA. 92807
(714) 693-2277
CONTACT:
ABBY BANERJEE, PRESIDENT

SHEET INDEX

SHEET NUMBER	SHEET TITLE
GENERAL	
CS-1	COVER SHEET
CS-2	SHEET INDEX, GENERAL NOTES & ABBREVIATIONS
CIVIL	
G-1	DEMOLITION PLAN
G-2	PRECISE GRADING PLAN
G-3	PRECISE GRADING PLAN
G-4	PRECISE GRADING PLAN
G-5	PRECISE GRADING PLAN
G-6	PRECISE GRADING PLAN
G-7	EROSION CONTROL PLAN
ARCHITECTURAL	
A-1	OVERALL SITE PLAN
A-2	ENLARGED DEMO SITE PLAN
A-3	ENLARGED NEW SITE PLAN
A-4	ENLARGED DEMO SITE PLANS
A-5	ENLARGED DEMO SITE PLANS
A-6	ENLARGED DEMO SITE PLANS
A-7	ENLARGED NEW SITE PLANS
A-8	ENLARGED NEW SITE PLANS
A-9	ENLARGED NEW SITE PLANS
A-10	ENLARGED DEMO SITE PLAN
A-11	ENLARGED DEMO SITE PLAN
A-12	ENLARGED DEMO SITE PLAN
A-13	ENLARGED NEW SITE PLAN
A-14	ENLARGED NEW SITE PLAN
A-15	ENLARGED NEW SITE PLAN
A-15.1	ENLARGED NEW SITE PLAN & RAMP SECTIONS
A-16	SITE PLAN RAMP SECTIONS
A-17	BUILDINGS 300, 500, 600 AND 700 - HVAC DEMO FLOOR PLANS
A-18	BUILDINGS 300, 500, 600 AND 700 - HVAC NEW FLOOR PLANS
A2.1	BUILDING 200 - OVER ALL FLOOR PLAN
A2.2	BUILDING 200 - ENLARGED RESTROOM FLOOR PLANS - DEMO & NEW
A2.2B	BUILDING 200 - ENLARGED MECHANICAL AREA FLOOR PLAN - DEMO & NEW
A2.2b	BUILDING 200 - ENLARGED ADMIN FLOOR PLAN - DEMO & NEW
A2.3	BUILDING 200 - INTERIOR ELEVATIONS - RESTROOMS
A6.1	BUILDING 600 - OVER ALL FLOOR PLAN
A6.2	BUILDING 600 - ENLARGED RESTROOM FLOOR PLANS - DEMO & NEW
A6.3	BUILDING 600 - INTERIOR ELEVATIONS - RESTROOMS
SCH-1	DOOR AND FINISH SCHEDULES
AD-1	DETAIL SHEET
AD-2	DETAIL SHEET
AD-3	DETAIL SHEET
AD-4	DETAIL SHEET
AD-5	DETAIL SHEET
AD-6	DETAIL SHEET
PLUMBING	
P0.1	PLUMBING GENERAL NOTES AND LEGEND
P0.2	PLUMBING SCHEDULES
P2.1	PLUMBING BUILDING 200 - DEMO FLOOR PLAN
P3.1	PLUMBING BUILDING 300 - DEMO FLOOR PLAN
P5.1	PLUMBING BUILDING 500 - DEMO FLOOR PLAN
P6.1	PLUMBING BUILDING 600 - DEMO FLOOR PLAN
P7.1	PLUMBING BUILDING 700 - DEMO FLOOR PLAN
P2.1	PLUMBING BUILDING 200 - NEW FLOOR PLAN
P3.1	PLUMBING BUILDING 300 - NEW FLOOR PLAN
P5.1	PLUMBING BUILDING 500 - NEW FLOOR PLAN
P6.1	PLUMBING BUILDING 600 - NEW FLOOR PLAN
P7.1	PLUMBING BUILDING 700 - NEW FLOOR PLAN
P8.1	PLUMBING DETAILS

MECHANICAL	
M0.1	MECHANICAL GENERAL NOTES AND LEGEND
M0.2	MECHANICAL SCHEDULES
M2.1	MECHANICAL BUILDING 200 FLOOR PLAN - DEMO
M3.1	MECHANICAL BUILDING 300 FLOOR PLAN - DEMO
M5.1	MECHANICAL BUILDING 500 FLOOR PLAN - DEMO
M6.1	MECHANICAL BUILDING 600 FLOOR PLAN - DEMO
M7.1	MECHANICAL BUILDING 700 FLOOR PLAN - DEMO
M2.1	MECHANICAL BUILDING 200 FLOOR PLAN - NEW
M3.1	MECHANICAL BUILDING 300 FLOOR PLAN - NEW
M5.1	MECHANICAL BUILDING 500 FLOOR PLAN - NEW
M6.1	MECHANICAL BUILDING 600 FLOOR PLAN - NEW
M7.1	MECHANICAL BUILDING 700 FLOOR PLAN - NEW
M0.1	MECHANICAL DETAILS
M0.2	MECHANICAL DETAILS
M0.3	MECHANICAL DETAILS
M0.4	MECHANICAL DETAILS
M9.1	MECHANICAL DETAILS
M9.2	MECHANICAL DETAILS
M10.1	MECHANICAL TITLE 24 REPORTS - BUILDING 200
M10.2	MECHANICAL TITLE 24 REPORTS - BUILDING 300
M10.3	MECHANICAL TITLE 24 REPORTS - BUILDING 500
M10.4	MECHANICAL TITLE 24 REPORTS - BUILDING 600
M10.5	MECHANICAL TITLE 24 REPORTS - BUILDING 700
ELECTRICAL	
E0.1	GENERAL NOTES AND SYMBOLS LIST
E0.2	DEMOLITION SINGLE LINE DIAGRAM
E0.3	REMODEL SINGLE LINE DIAGRAM
E0.4	DEMOLITION LOAD AND PANEL SCHEDULES
E0.5	REMODEL LOAD AND PANEL SCHEDULES
E0.6	ELECTRICAL DETAILS
E1.0	OVERALL SITE PLAN
E1.1	RELOCATABLE SIGNAL PLANS
E1.2	RELOCATABLE SIGNAL PLANS
E1.3	RELOCATABLE DEMOLITION AND REMODEL PLANS
E1.4	RELOCATABLE DEMOLITION AND REMODEL PLANS
E1.5	RELOCATABLE DEMOLITION AND REMODEL PLANS
E2.1	BUILDING 200 - POWER & SIGNAL PLANS
E3.1	BUILDING 300 - POWER & SIGNAL PLANS
E5.1	BUILDING 500 - POWER & SIGNAL PLANS
E6.1	BUILDING 600 - POWER & SIGNAL PLANS
E7.1	BUILDING 700 - POWER & SIGNAL PLANS
E0.1	BUILDING 800 - SIGNAL PLANS
FA0.1	FIRE ALARM SYMBOL LIST, DIAGRAMS AND SCHEDULES
FA0.2	FIRE ALARM RISER DIAGRAM
FA0.3	FIRE ALARM CALCULATIONS
FA0.4	FIRE ALARM CALCULATIONS
FA1.0	FIRE ALARM SITE PLAN
FA1.1	NEW - FIRE ALARM SITE PLAN
FA1.2	DEMOLITION - FIRE ALARM SITE PLAN
FA2.1	BUILDING 200 - FIRE ALARM PLANS
FA3.1	BUILDING 300 - FIRE ALARM PLANS
FA5.1	BUILDING 500 - FIRE ALARM PLANS
FA6.1	BUILDING 600 - FIRE ALARM PLANS
FA7.1	BUILDING 700 - FIRE ALARM PLANS
FA8.1	BUILDING 800 - FIRE ALARM PLANS
FA9.1	RELOCATABLE FIRE ALARM PLANS
FA10.1	RELOCATABLE FIRE ALARM PLANS
FA11.1	RELOCATABLE FIRE ALARM PLANS
FA12.1	RELOCATABLE FIRE ALARM PLANS
FA13.1	RELOCATABLE FIRE ALARM PLANS
TOTAL SHEETS: 115	

SYMBOLS

- DETAIL REFERENCE / DETAIL REFERENCE
- SECTION REFERENCE / SHEET NUMBER
- KEY NOTE NUMBER WHEN USED REFERS TO SAME SHEET UNLESS NOTED OTHERWISE
- DOOR SIGNAGE, SEE LEGEND OR FLOOR PLAN
- W.I.C. STANDARD CASEWORK #
- INTERIOR ELEVATION / DETAIL REFERENCE / SHEET NUMBER
- EQUIPMENT NUMBER OR TYPE.
- PARKING COUNT
- FLUSH TRANSITION
- DROP TRANSITION, SEE CIVIL DRAWINGS FOR DROP DEPTH
- REVISION NUMBER
- ROOM NAME / ROOM NUMBER
- EXISTING CHAIN LINK FENCING
- NEW CHAIN LINK FENCING
- DEMO CHAIN LINK FENCING
- EXISTING TUBE STEEL FENCING
- NEW TUBE STEEL FENCING
- DEMO TUBE STEEL FENCING
- (N) PATH OF TRAVEL
- (N) WALL MOUNTED WATER CLOSET, SEE PLUMBING DRAWINGS
- (E) WALL MOUNTED WATER CLOSET, TO REMAIN, PROTECT IN PLACE
- (N) ACCESSIBLE WALL MOUNTED WATER CLOSET WITH GRAB BARS, SEE PLUMBING DRAWINGS, FOR ADULT DIMENSIONS 20 AD-3 FOR AGES 9-12 26 AD-3
- (N) GRAB BARS
- (E) ACCESSIBLE WALL MOUNTED WATER CLOSET TO REMAIN, PROTECT IN PLACE
- (E) GRAB BARS, PROTECT IN PLACE
- WALL HUNG URINAL, SEE PLUMBING DRAWINGS
- ACCESSIBLE WALL HUNG URINAL, SEE PLUMBING DRAWINGS & 23 AD-3 (30"X48" CLR. FLR. SPACE)
- ACCESSIBLE WALL HUNG LAVATORY, SEE PLUMBING DRAWINGS & 22 AD-3 (30"X48" CLR. FLR. SPACE)
- W.H. WATER HEATER, SEE PLUMBING DRAWINGS
- REF REFRIGERATOR (O.F.C.I), TO BE SIDE-BY-SIDE UNIT
- DOOR & DOOR NUMBER OR TYPE, SEE DOOR SCHEDULE
- WINDOW & WINDOW NUMBER OR TYPE, SEE WINDOW SCHEDULE
- GATE & GATE NUMBER ~~SEE GATE SCHEDULE~~ (NO NEW WORK DONE ON GATES)

REVISIONS	BY
ADDENDUM 01	R.S.

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ENGINEER

ARCHITECT

LICENSED ARCHITECT GINO C. BASTIANON NO. C-27546 REN. 6-2027 STATE OF CALIFORNIA

PROJECT: SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: SHEET INDEX, GENERAL NOTES & ABBREVIATIONS

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET: **CS-2**

ADDENDUM 1, EXHIBIT "B"

THESE DOCUMENTS AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF A PROFESSIONAL SERVICE, ARE THE SOLE PROPERTY OF FRICK, FRICK & JETTÉ ARCHITECTS, INC. AND SHALL NOT BE USED IN WHOLE OR IN PART FOR ANY PROJECT WITHOUT THE EXPRESS WRITTEN PERMISSION OF FRICK, FRICK & JETTÉ ARCHITECTS, INC.

XREFS:
Z:\SNOWLINE\SJ21-01 QUAIL VALLEY MS MODERNIZATION\ARCH\CS-2 SHEET INDEX, GENERAL NOTES & ABBREVIATIONS.DWG
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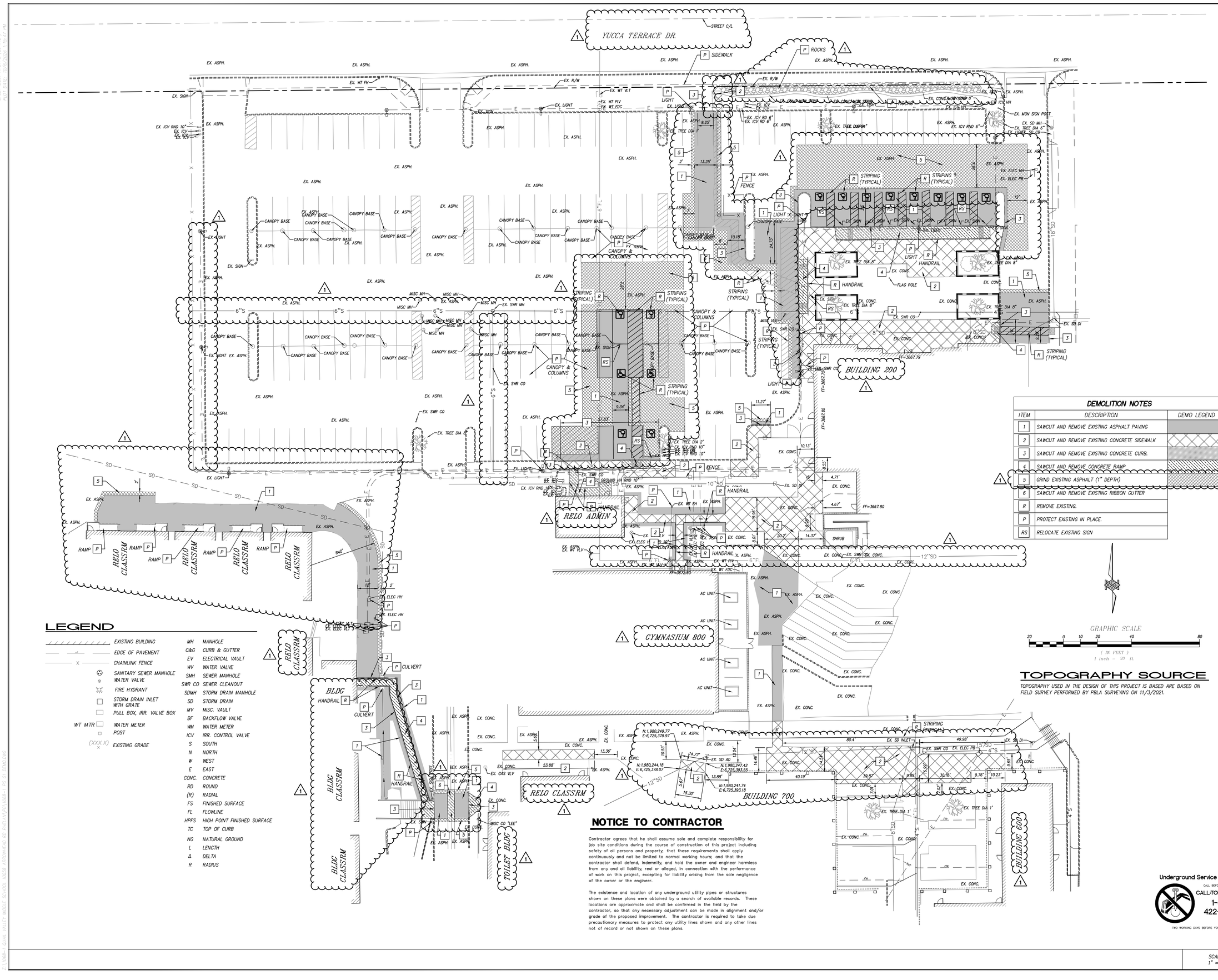

LEGEND

EXISTING BUILDING	
EDGE OF PAVEMENT	
CHAINLINK FENCE	
SANITARY SEWER MANHOLE	
WATER VALVE	
FIRE HYDRANT	
STORM DRAIN INLET WITH GRATE	
PULL BOX, IRR. VALVE BOX	
WATER METER	WT MTR
POST	
EXISTING GRADE	(XXX.X)

MH	MANHOLE
C&G	CURB & GUTTER
EV	ELECTRICAL VAULT
WV	WATER VALVE
SMH	SEWER MANHOLE
SWR CO	SEWER CLEANOUT
SDMH	STORM DRAIN MANHOLE
SD	STORM DRAIN
MV	MISC. VAULT
BF	BACKFLOW VALVE
WM	WATER METER
ICV	IRR. CONTROL VALVE
S	SOUTH
N	NORTH
W	WEST
E	EAST
CONC.	CONCRETE
RD	ROUND
(R)	RADIAL
FS	FINISHED SURFACE
FL	FLOWLINE
HPFS	HIGH POINT FINISHED SURFACE
TC	TOP OF CURB
NG	NATURAL GROUND
L	LENGTH
Δ	DELTA
R	RADIUS

DEMOLITION NOTES

ITEM	DESCRIPTION	DEMO LEGEND
1	SAWCUT AND REMOVE EXISTING ASPHALT PAVING	
2	SAWCUT AND REMOVE EXISTING CONCRETE SIDEWALK	
3	SAWCUT AND REMOVE EXISTING CONCRETE CURB.	
4	SAWCUT AND REMOVE CONCRETE RAMP	
5	GRIND EXISTING ASPHALT (1" DEPTH)	
6	SAWCUT AND REMOVE EXISTING RIBBON GUTTER	
R	REMOVE EXISTING.	
P	PROTECT EXISTING IN PLACE.	
RS	RELOCATE EXISTING SIGN	

NOTICE TO CONTRACTOR

Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project including safety of all persons and property; that these requirements shall apply continuously and not be limited to normal working hours; and that the contractor shall defend, indemnify, and hold the owner and engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from the sole negligence of the owner or the engineer.

The existence and location of any underground utility pipes or structures shown on these plans were obtained by a search of available records. These locations are approximate and shall be confirmed in the field by the contractor, so that any necessary adjustment can be made in alignment and/or grade of the proposed improvement. The contractor is required to take due precautionary measures to protect any utility lines shown and any other lines not of record or not shown on these plans.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

TOPOGRAPHY SOURCE

TOPOGRAPHY USED IN THE DESIGN OF THIS PROJECT IS BASED ARE BASED ON FIELD SURVEY PERFORMED BY PBLA SURVEYING ON 11/3/2021.

Underground Service Alert
CALL BEFORE YOU DIG
CALL TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

SCALE:
1" = 20'

REVISIONS	BY
1 ADDENDUM 01 – 09/17/26	SDL

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ENGINEER
REGISTERED PROFESSIONAL ENGINEER — STEVEN D. ICENOGLE — NO. 45926 EXP. 12-31-26 — CIVIL — STATE OF CALIFORNIA

ARCHITECT
LICENSED ARCHITECT — GUY C. BASTIAN — NO. C-27546 REN. 6-2027 — STATE OF CALIFORNIA

1 ADDENDUM 1 (@ SITE WORK, RESTROOM, & FIRE ALARM UPGRADES)

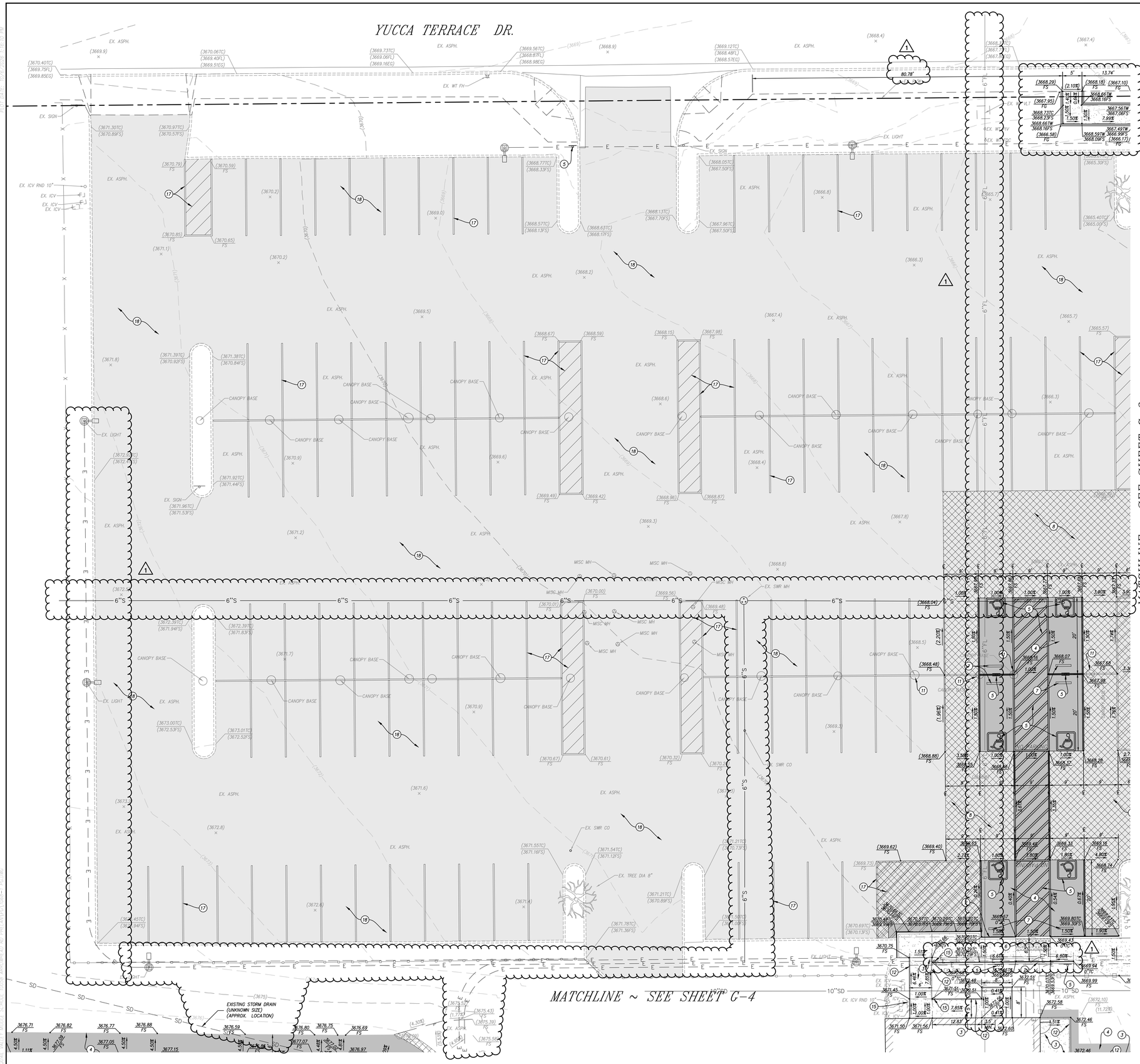
PROJECT: QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: DEMOLITION PLAN

DATE: December, 2021
DRAWN: MM/AM
JOB: 1068-1
SHEET: G-1

ADDENDUM 1, EXHIBIT "B"

SHEET SIZE: ARCH E (30"x42")
SCALE: 1/8"=1'-0" WHEN PLOTTED AT 50%
Z:\1068-1 QUAIL VALLEY MIDDLE SCHOOL 10068 ARCH\PLOT\1068-1 PC G1 DEMO.DWG



LEGEND

	CURB	MH	MANHOLE
	STREET CENTERLINE	C&G	CURB & GUTTER
	PROPERTY LINE	EV	ELECTRICAL VAULT
	EASEMENT	WV	WATER VALVE
	WALL	SMH	SEWER MANHOLE
	EXISTING BUILDING	SDM	STORM DRAIN MANHOLE
	EDGE OF PAVEMENT	SD	STORM DRAIN
	CHAINLINK FENCE	MV	MISC. VAULT
	WROUGHT IRON FENCE	BF	BACKFLOW VALVE
	SANITARY SEWER MANHOLE	WM	WATER METER
	WATER VALVE	ICV	IRR. CONTROL VALVE
	FIRE HYDRANT	S	SOUTH
	STORM DRAIN AREA DRAIN	N	NORTH
	ROCKS	W	WEST
	INDICATES FOUND MONUMENT AS NOTED.	E	EAST
	TREE & SIZE	CONC.	CONCRETE
	STORM DRAIN INLET WITH GRATE	RD	ROUND
	PULL BOX, IRR. VALVE BOX	(R)	RADIAL
WT MTR	WATER METER	P.U.E.	PUBLIC UTILITY EASEMENT
	POST	FS	FINISHED SURFACE
(XXX.X)	EXISTING GRADE	FL	FLOWLINE
	SHRUB	TC	TOP OF CURB
	PALM	FD.	FOUND
		TW	TOP OF WALL
		NG	NATURAL GROUND
		L	LENGTH
		Δ	DELTA
		R	RADIUS

CONSTRUCTION NOTES

ITEM	DESCRIPTION
1	MATCH EXISTING.
2	CONSTRUCT 6" TYPE A1-6 CONCRETE CURB PER SPPWC STD. PLAN 120-2 ON SHEET G-6.
3	CONSTRUCT 4" CONCRETE WALKWAY PER ARCHITECTURAL PLANS.
4	INSTALL 4" A.C. PAVEMENT OVER 6" CLASS II AGGREGATE BASE.
5	INSTALL PAINT STRIPING, SIGNAGE AND SYMBOLS PER ARCHITECTURAL PLANS.
6	CONSTRUCT CONCRETE TYPE 1 CURB CASE B RAMP WITH TRUNCATED DOMES PER ARCHITECTURAL PLANS.
7	INSTALL 4" WIDE CONCRETE WHEEL STOPS.
8	CONSTRUCT 1" AC OVERLAY OVER EXIST. ASPHALT PAVEMENT
9	PROTECT EXISTING ASPHALT PAVING IN PLACE.
10	PROTECT EXISTING CONCRETE SIDEWALK IN PLACE.
11	PROTECT EXISTING IN PLACE.
12	INSTALL HANDRAIL PER ARCHITECTURAL PLANS
13	CONSTRUCT CONCRETE CURB RAMP PER ARCHITECTURAL PLANS.
14	CONSTRUCT CONCRETE WALL PER ARCHITECTURAL PLANS.
15	ADJUST TO FINISHED GRADE.
16	CONSTRUCT 12X12 CONCRETE INLET PER BROOKS PRODUCTS 1212 CB ON SHEET G-6 AND PER PLAN. GRATES TO BE ADA COMPLIANT WITH 1/2" MAX. OPENINGS IN ALL DIRECTIONS.
17	INSTALL PARKING LOT STRIPING PER ARCHITECTURAL PLANS.
18	SEALCOAT EXISTING PARKING LOT WITH MINIMUM OF 2 COATS OF BITUMINOUS SEAL COATING.
19	INSTALL 6" PVC (SCH. 40) PIPE.
20	INSTALL 8"X6"X8" PVC (SCH. 40) TEE HUB X HUB X HUB.
21	INSTALL 6" PVC (SCH. 40) ELBOW HUB X HUB.
22	CONSTRUCT 4' WIDE RIBBON GUTTER PER DETAIL 22 ON SHEET G-4
23	CONSTRUCT CONCRETE MOW STRIP, MATCH EXISTING.
24	ADJUST EXIST. METAL RAMP TO NEW CONCRETE LANDING.
25	INSTALL DECOMPOSED GRANITE LAYER OVER WEED BARRIER FABRIC PER ARCHITECTURAL PLANS.

PAVING LEGEND

- (3) CONCRETE WALKWAY
- (4) 4" AC PAVEMENT OVER 6" CLASS II AGGREGATE BASE
- (8) 1" OVERLAY OVER EXISTING ASPHALT PAVEMENT
- (18) BITUMINOUS SEALCOATING
- (25) DECOMPOSED GRANITE

TOPOGRAPHY SOURCE

TOPOGRAPHY USED IN THE DESIGN OF THIS PROJECT IS BASED ARE BASED ON FIELD SURVEY PERFORMED BY PBLA SURVEYING ON 11/3/2021.

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

NOTICE TO CONTRACTOR

Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project including safety of all persons and property; that these requirements shall apply continuously and not be limited to normal working hours; and that the contractor shall defend, indemnify, and hold the owner and engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from the sole negligence of the owner or the engineer.

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SCALE: 1" = 10'

REVISIONS	BY
1 ADDENDUM 01 - 09/17/26	SDL

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ENGINEER
STEVEN D. LEE
No. 41926
EXP. 12-31-26
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF CALIFORNIA

ARCHITECT
LICENSED ARCHITECT
GARY C. BASTIANON
NO. C-27546
REN. 6-2027
STATE OF CALIFORNIA

1 SITE WORK, RESTROOM, & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL

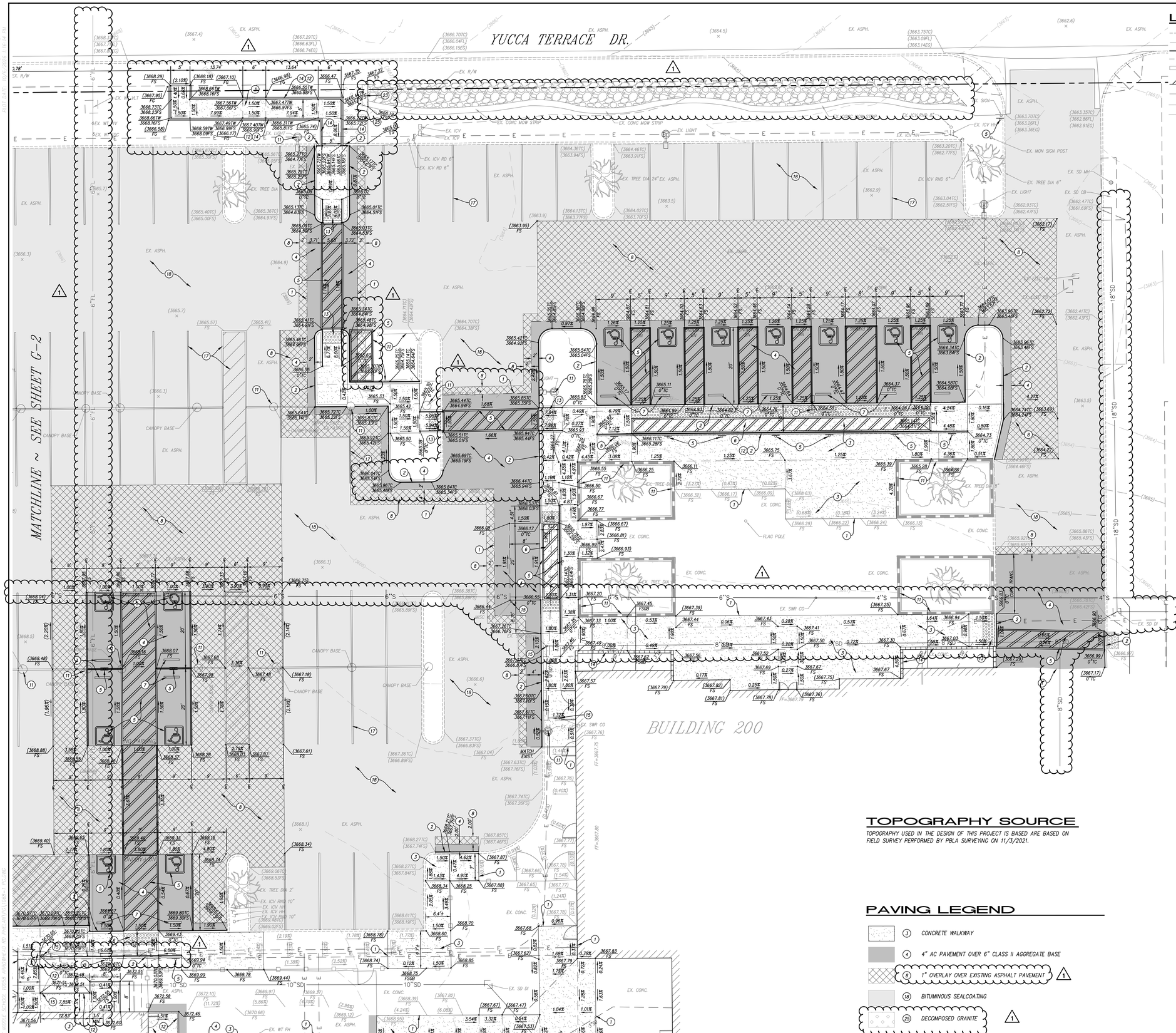
PROJECT: SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: PRECISE GRADING PLAN

DATE: December, 2021
DRAWN: MM/AM
JOB: 1068-1
SHEET: G-2

ADDENDUM 1, EXHIBIT "B"

SHEET SIZE: ARCH E (36"X42")
PLOT DATE: 10/6/2026 1:16:10 PM
Z:\1068-1 QUAIL VALLEY MIDDLE SCHOOL 10065 ARROWHEAD RD PhE1.4\VPC\1068-1 PG.DWG



LEGEND

CURB		MH	MANHOLE
STREET CENTERLINE		C&G	CURB & GUTTER
PROPERTY LINE		EV	ELECTRICAL VAULT
EASEMENT		WV	WATER VALVE
WALL		SMH	SEWER MANHOLE
EXISTING BUILDING		SDM	STORM DRAIN MANHOLE
EDGE OF PAVEMENT		SD	STORM DRAIN
CHAINLINK FENCE		MV	MISC. VAULT
WROUGHT IRON FENCE		BF	BACKFLOW VALVE
SANITARY SEWER MANHOLE / WATER VALVE		WM	WATER METER
FIRE HYDRANT		ICV	IRR. CONTROL VALVE
STORM DRAIN AREA DRAIN		S	SOUTH
ROCKS		N	NORTH
INDICATES FOUND MONUMENT AS NOTED.		W	WEST
TREE & SIZE		E	EAST
STORM DRAIN INLET WITH GRATE		CONC.	CONCRETE
PULL BOX, IRR. VALVE BOX		RD	ROUND
WATER METER	WT MTR	(R)	RADIAL
POST		P.U.E.	PUBLIC UTILITY EASEMENT
EXISTING GRADE	(XXX.X)	FS	FINISHED SURFACE
SHRUB		FL	FLOWLINE
PALM		TC	TOP OF CURB
		FD.	FOUND
		TW	TOP OF WALL
		NG	NATURAL GROUND
		L	LENGTH
		Δ	DELTA
		R	RADIUS

CONSTRUCTION NOTES

ITEM	DESCRIPTION
1	MATCH EXISTING.
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6	CONSTRUCT CONCRETE TYPE 1 CURB CASE B RAMP WITH TRUNCATED DOMES PER ARCHITECTURAL PLANS.
7	INSTALL 4" WIDE CONCRETE WHEEL STOPS
1 8	CONSTRUCT 1" AC OVERLAY OVER EXIST. ASPHALT PAVEMENT
9	PROTECT EXISTING ASPHALT PAVING IN PLACE.
10	PROTECT EXISTING CONCRETE SIDEWALK IN PLACE.
11	PROTECT EXISTING IN PLACE.
12	INSTALL HANDRAIL PER ARCHITECTURAL PLANS.
1 13	CONSTRUCT CONCRETE CURB RAMP PER ARCHITECTURAL PLANS.
14	CONSTRUCT CONCRETE WALL PER ARCHITECTURAL PLANS.
15	ADJUST TO FINISHED GRADE.
16	CONSTRUCT 12X12 CONCRETE INLET PER BROOKS PRODUCTS 1212 CB ON SHEET G-6 AND PER PLAN. GRATES TO BE ADA COMPLIANT WITH 1/2" MAX. OPENINGS IN ALL DIRECTIONS.
17	INSTALL PARKING LOT STRIPING PER ARCHITECTURAL PLANS.
18	SEALCOAT EXISTING PARKING LOT WITH MINIMUM OF 2 COATS OF BITUMINOUS SEAL COATING.
19	INSTALL 6" PVC (SCH. 40) PIPE.
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22	CONSTRUCT 4' WIDE RIBBON GUTTER PER DETAIL 22 ON SHEET G-6.
23	CONSTRUCT CONCRETE MOW STRIP, MATCH EXISTING.
24	ADJUST EXIST. METAL RAMP TO NEW CONCRETE LANDING.
25	INSTALL DECOMPOSED GRANITE LAYER OVER WEED BARRIER FABRIC PER ARCHITECTURAL PLANS.

TOPOGRAPHY SOURCE

TOPOGRAPHY USED IN THE DESIGN OF THIS PROJECT IS BASED ARE BASED ON FIELD SURVEY PERFORMED BY PBLA SURVEYING ON 11/3/2021.

PAVING LEGEND

- (3) CONCRETE WALKWAY
- (4) 4" AC PAVEMENT OVER 6" CLASS II AGGREGATE BASE
- (8) 1" OVERLAY OVER EXISTING ASPHALT PAVEMENT 1
- (18) BITUMINOUS SEALCOATING
- (25) DECOMPOSED GRANITE 1

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

NOTICE TO CONTRACTOR

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SCALE: 1" = 10'

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1 ADDENDUM 01 - 09/17/26	SDL

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ENGINEER
REGISTERED PROFESSIONAL ENGINEER — NO. 45926 EXP. 12-31-26 — CIVIL — STATE OF CALIFORNIA

ARCHITECT
LICENSED ARCHITECT — NO. C-27546 REN. 6-2027 — STATE OF CALIFORNIA

1 SITE WORK, RESTROOM, & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

PROJECT:
SHEET NAME: PRECISE GRADING PLAN

DATE: December, 2021
DRAWN: MM/AM
JOB: 1068-1
SHEET: G-3

ADDENDUM 1, EXHIBIT "B"

Z:\1068-1 QUAIL VALLEY MIDDLE SCHOOL 10855 ARROWHEAD RD PHASE\PLOTS\1068-1 PRECISE GRADING PLAN.DWG
SHEET SIZE: ARCH E (30"x42") PLOT DATE: 10/6/2026 1:16:14 PM

MATCHLINE ~ SEE SHEET G-2

MATCHLINE ~ SEE SHEET G-5

RELO CLASSRM

RELO ADMIN

GYMNA.

BLDG CLASSRM

TOILET BLDG

EXISTING STORM DRAIN (UNKNOWN SIZE) (APPROX. LOCATION)

EXISTING STORM DRAIN (UNKNOWN SIZE) (APPROX. LOCATION)

NOTE:
CONTRACTOR TO VERIFY THAT EXISTING METAL LANDINGS AND RAMPS MEET ADA REQUIREMENTS AND MAKE ADJUSTEMENTS IF REQUIRED. (2.0% MAX. CROSS SLOPE AND 8.33% MAX DOWN SLOPE).

CONSTRUCTION NOTES

ITEM	DESCRIPTION
1	MATCH EXISTING.
2	CONSTRUCT 6" TYPE A1-6 CONCRETE CURB PER SPPWC STD. PLAN 120-2 ON SHEET G-6.
3	CONSTRUCT 4" CONCRETE WALKWAY PER ARCHITECTURAL PLANS.
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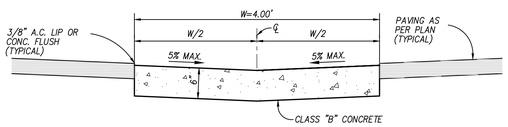
LEGEND

	CURB	MH	MANHOLE
	STREET CENTERLINE	C&G	CURB & GUTTER
	PROPERTY LINE	EV	ELECTRICAL VAULT
	EASEMENT	WV	WATER VALVE
	WALL	SMH	SEWER MANHOLE
	EXISTING BUILDING	SDM	STORM DRAIN MANHOLE
	EDGE OF PAVEMENT	SD	STORM DRAIN
	CHAINLINK FENCE	MV	MISC. VAULT
	WROUGHT IRON FENCE	BF	BACKFLOW VALVE
	SANITARY SEWER MANHOLE	WM	WATER METER
	WATER VALVE	ICV	IRR. CONTROL VALVE
	FIRE HYDRANT	S	SOUTH
	STORM DRAIN AREA DRAIN	N	NORTH
	ROCKS	W	WEST
	INDICATES FOUND MONUMENT AS NOTED.	E	EAST
	TREE & SIZE	CONC.	CONCRETE
	STORM DRAIN INLET WITH GRATE	RD	ROUND
	PULL BOX, IRR. VALVE BOX	(R)	RADIAL
WT MTR	WATER METER	P.U.E.	PUBLIC UTILITY EASEMENT
	POST	FS	FINISHED SURFACE
(XXX.X)	EXISTING GRADE	FL	FLOWLINE
	SHRUB	TC	TOP OF CURB
	PALM	FD.	FOUND
		TW	TOP OF WALL
		NG	NATURAL GROUND
		L	LENGTH
		Δ	DELTA
		R	RADIUS

PAVING LEGEND

3	CONCRETE WALKWAY
4	4" AC PAVEMENT OVER 6" CLASS II AGGREGATE BASE
8	1" OVERLAY OVER EXISTING ASPHALT PAVEMENT
18	BITUMINOUS SEALCOATING
25	DECOMPOSED GRANITE



22 RIBBON GUTTER

N.T.S.

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.

TOPOGRAPHY SOURCE

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SCALE: 1" = 10'

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1 ADDENDUM 01 – 09/17/26	SDL

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SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

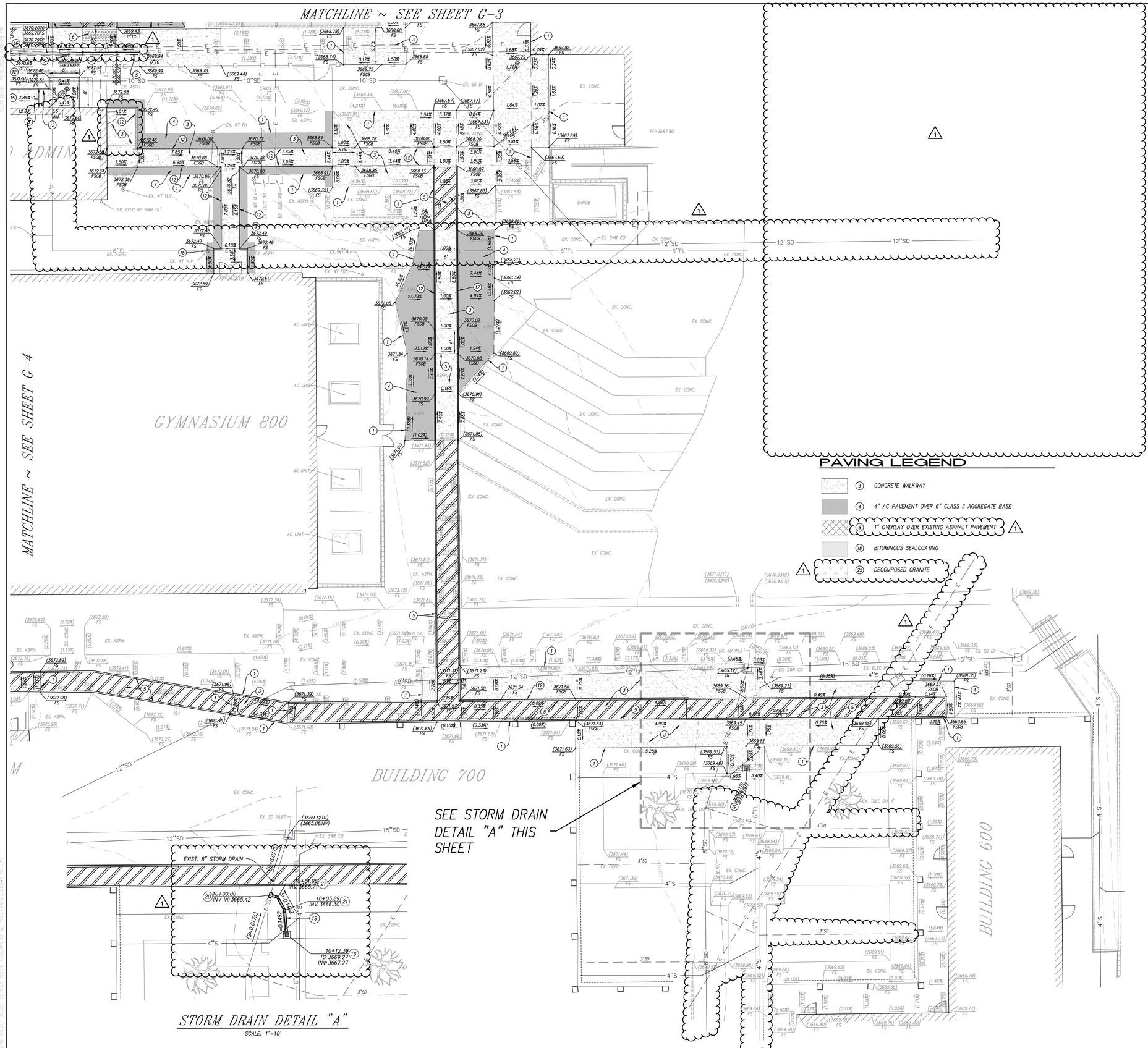
PROJECT:

SHEET NAME: PRECISE GRADING PLAN

DATE: December, 2025
DRAWN: MM/AM
JOB: 1068-1
SHEET: G-4

ADDENDUM 1, EXHIBIT "B"

Z:\1068-1 QUAIL VALLEY MIDDLE SCHOOL 10058 ARROWHEAD RD PHELAN\PLANS\1068-1 PG.DWG



LEGEND

CURB		MH	MANHOLE
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PROPERTY LINE		EV	ELECTRICAL VAULT
EASEMENT		WV	WATER VALVE
WALL		SMH	SEWER MANHOLE
EXISTING BUILDING		SDM	STORM DRAIN MANHOLE
EDGE OF PAVEMENT		SD	STORM DRAIN
CHAINLINK FENCE		MV	MISC. VAULT
WROUGHT IRON FENCE		BF	BACKFLOW VALVE
SANITARY SEWER MANHOLE / WATER VALVE		WM	WATER METER
FIRE HYDRANT		ICV	IRR. CONTROL VALVE
STORM DRAIN AREA DRAIN		S	SOUTH
ROCKS		N	NORTH
INDICATES FOUND MONUMENT AS NOTED.		W	WEST
TREE & SIZE		E	EAST
STORM DRAIN INLET WITH GRATE		CONC.	CONCRETE
PULL BOX, IRR. VALVE BOX		RD	ROUND
WATER METER	WT MTR	(R)	RADIAL
POST		P.U.E.	PUBLIC UTILITY EASEMENT
EXISTING GRADE	(XXX.X)	FS	FINISHED SURFACE
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		FD.	FOUND
		TW	TOP OF WALL
		NG	NATURAL GROUND
		L	LENGTH
		Δ	DELTA
		R	RADIUS

PAVING LEGEND

(3)	CONCRETE WALKWAY
(4)	4" AC PAVEMENT OVER 6" CLASS II AGGREGATE BASE
(8)	1" OVERLAY OVER EXISTING ASPHALT PAVEMENT
(18)	BITUMINOUS SEALCOATING
(25)	DECOMPOSED GRANITE

CONSTRUCTION NOTES

ITEM	DESCRIPTION
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GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
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ENGINEER

REGISTERED PROFESSIONAL ENGINEER — NO. 45926 EXP. 12-31-26 — CIVIL — STATE OF CALIFORNIA

ARCHITECT

LICENSED ARCHITECT — BASIL M. JETTÉ — NO. C-27146 REN. 6-2027 — STATE OF CALIFORNIA

1 ADDENDUM 1, EXHIBIT "B"

SITE WORK, RESTROOM, & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

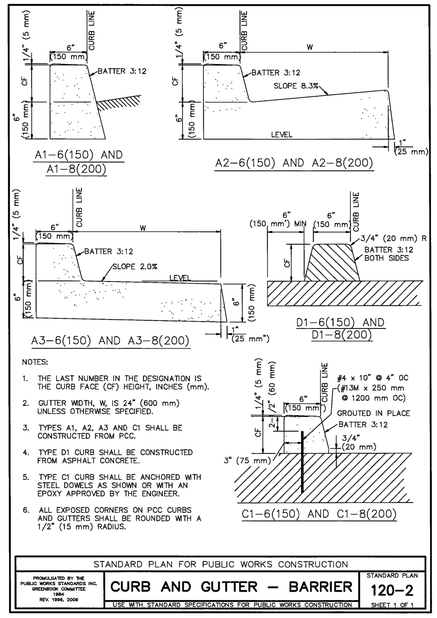
PROJECT:

SHEET NAME: PRECISE GRADING PLAN

DATE: December, 2025
DRAWN: MM/AM
JOB: 1068-1
SHEET: G-5

SHEET SIZE: ARCH E (36"x42") PLOT DATE: 10/6/2026 2:28 PM
Z:\1068-1 QUAIL VALLEY MIDDLE SCHOOL (0058 ARROWHEAD RD PHELAN)\PLANS\1068-1 PRECISE GRADING PLAN.DWG

SHEET SIZE: ARCH E (30"x42")
PLOT DATE: 10/6/2026 1:16:29 PM



NOTES:

1. THE LAST NUMBER IN THE DESIGNATION IS THE CURB FACE (CF) HEIGHT, INCHES (mm).
2. GUTTER WIDTH, W, IS 24" (600 mm) UNLESS OTHERWISE SPECIFIED.
3. TYPES A1, A2, A3 AND C1 SHALL BE CONSTRUCTED FROM PCC.
4. TYPE D1 CURB SHALL BE CONSTRUCTED FROM ASPHALT CONCRETE.
5. TYPE C1 CURB SHALL BE ANCHORED WITH STEEL DOWELS AS SHOWN OR WITH AN EPOXY APPROVED BY THE ENGINEER.
6. ALL EXPOSED CORNERS ON PCC CURBS AND GUTTERS SHALL BE ROUNDED WITH A 1/2" (15 mm) RADIUS.

STANDARD PLAN FOR PUBLIC WORKS CONSTRUCTION		
PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE 1994 REV. 1996, 2009	CURB AND GUTTER – BARRIER	STANDARD PLAN 120–2
	USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION	SHEET 1 OF 1

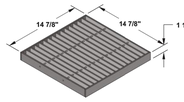
1

1212 CAST IRON GRATE

PARKWAY ONLY 28 lbs.

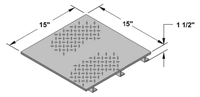
1212 STEEL GRATES

PARKWAY 16 lbs.
TRAFFIC 18 lbs.

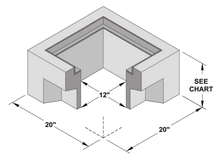


1212 STEEL COVER

PARKWAY 22 lbs.
TRAFFIC 25 lbs.

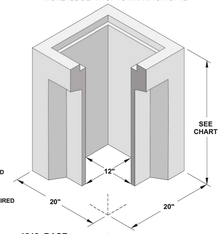


1212 TOP SECTION (*WITH GALVANIZED FRAME*)



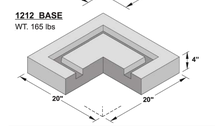
1212 LOWER SECTION (*NO FRAME*)

NOTE: USE 12", 18", 24", 28" LOWERS TO INCREASE DEPTH UP TO A MAXIMUM OF 72"



1212 BASE

WT. 165 lbs



NOTES:
1. GRATES AND COVERS AVAILABLE PAINTED BLACK OR GALVANIZED
2. "ADA" GRATES AVAILABLE IN PARKWAY & TRAFFIC
3. "HEEL PROOF" GRATES AVAILABLE IN PARKWAY & TRAFFIC
4. A TOP SECTION WITH FRAME MUST BE USED IF BOLT DOWN REQUIRED

TOP SECTION	HT.	LBS	KNOCK-OUT
1212 T6	6"	170	NONE
1212 T12	12"	275	(4) 5" x 10"
1212 T18	18"	270	(4) 8" x 12"
1212 T24	24"	430	(4) 8" x 15"
1212 T28	28"	380	(4) 8" x 22"

EXTENSION SECTION	HT.	LBS	KNOCK-OUT
1212 E6	6"	170	NONE

LOWER SECTION	HT.	LBS	KNOCK-OUT
1212 L12	12"	275	(4) 5" x 10"
1212 L18	18"	270	(4) 8" x 12"
1212 L24	24"	430	(4) 8" x 15"
1212 L28	28"	380	(4) 8" x 22"

12" x 12" CATCH BASIN

ORIG ENG DATE 04-20-95 | REV ENG DATE 05-18-00

BROOKS PRODUCTS

1212 CB

701

CONSTRUCTION NOTES	
ITEM	DESCRIPTION
1	MATCH EXISTING.
2	CONSTRUCT 6" TYPE A1–6 CONCRETE CURB PER SPPWC STD. PLAN 120–2 ON SHEET G–6.
3	CONSTRUCT 4" CONCRETE WALKWAY PER ARCHITECTURAL PLANS.
4	INSTALL 4" A.C. PAVEMENT OVER 6" CLASS II AGGREGATE BASE.
5	INSTALL PAINT STRIPING, SIGNAGE AND SYMBOLS PER ARCHITECTURAL PLANS.
6	CONSTRUCT CONCRETE TYPE 1 CURB CASE B RAMP WITH TRUNCATED DOMES PER ARCHITECTURAL PLANS.
7	INSTALL 4' WIDE CONCRETE WHEEL STOPS.
1 8	CONSTRUCT 1" AC OVERLAY OVER EXIST. ASPHALT PAVEMENT
9	PROTECT EXISTING ASPHALT PAVING IN PLACE.
10	PROTECT EXISTING CONCRETE SIDEWALK IN PLACE.
11	PROTECT EXISTING IN PLACE.
12	INSTALL HANDRAIL PER ARCHITECTURAL PLANS.
1 13	CONSTRUCT CONCRETE CURB RAMP PER ARCHITECTURAL PLANS.
14	CONSTRUCT CONCRETE WALL PER ARCHITECTURAL PLANS.
15	ADJUST TO FINISHED GRADE.
16	CONSTRUCT 12X12 CONCRETE INLET PER BROOKS PRODUCTS 1212 CB ON SHEET G–6 AND PER PLAN. GRATES TO BE ADA COMPLIANT WITH 1/2" MAX. OPENINGS IN ALL DIRECTIONS.
17	INSTALL PARKING LOT STRIPING PER ARCHITECTURAL PLANS.
18	SEALCOAT EXISTING PARKING LOT WITH MINIMUM OF 2 COATS OF BITUMINOUS SEAL COATING.
19	INSTALL 6" PVC (SCH. 40) PIPE.
20	INSTALL 8"X6"X8" PVC (SCH. 40) TEE HUB X HUB X HUB.
21	INSTALL 6" PVC (SCH. 40) ELBOW HUB X HUB.
22	CONSTRUCT 4' WIDE RIBBON GUTTER PER DETAIL 22 ON SHEET G–6
1 23	CONSTRUCT CONCRETE MOW STRIP, MATCH EXISTING.
24	ADJUST EXIST. METAL RAMP TO NEW CONCRETE LANDING.
25	INSTALL DECOMPOSED GRANITE LAYER OVER WEED BARRIER FABRIC PER ARCHITECTURAL PLANS.

NOTICE TO CONTRACTOR

Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project including safety of all persons and property; that these requirements shall apply continuously and not be limited to normal working hours; and that the contractor shall defend, indemnify, and hold the owner and engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from the sole negligence of the owner or the engineer.

The existence and location of any underground utility pipes or structures shown on these plans were obtained by a search of available records. These locations are approximate and shall be confirmed in the field by the contractor, so that any necessary adjustment can be made in alignment and/or grade of the proposed improvement. The contractor is required to take due precautionary measures to protect any utility lines shown and any other lines not of record or not shown on these plans.

REVISIONS	BY
1 ADDENDUM 01 – 09/17/26	SDL

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ENGINEER
REGISTERED PROFESSIONAL ENGINEER — JOHN D. LEVIN — NO. 45926 EXP. 12-31-26 — STATE OF CALIFORNIA — CIVIL

ARCHITECT
LICENSED ARCHITECT — BASTIAN — NO. C-27546 EXP. 6-2027 — STATE OF CALIFORNIA

1
SITE WORK, RESTROOM, & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

PROJECT:

SHEET NAME: PRECISE GRADING PLAN

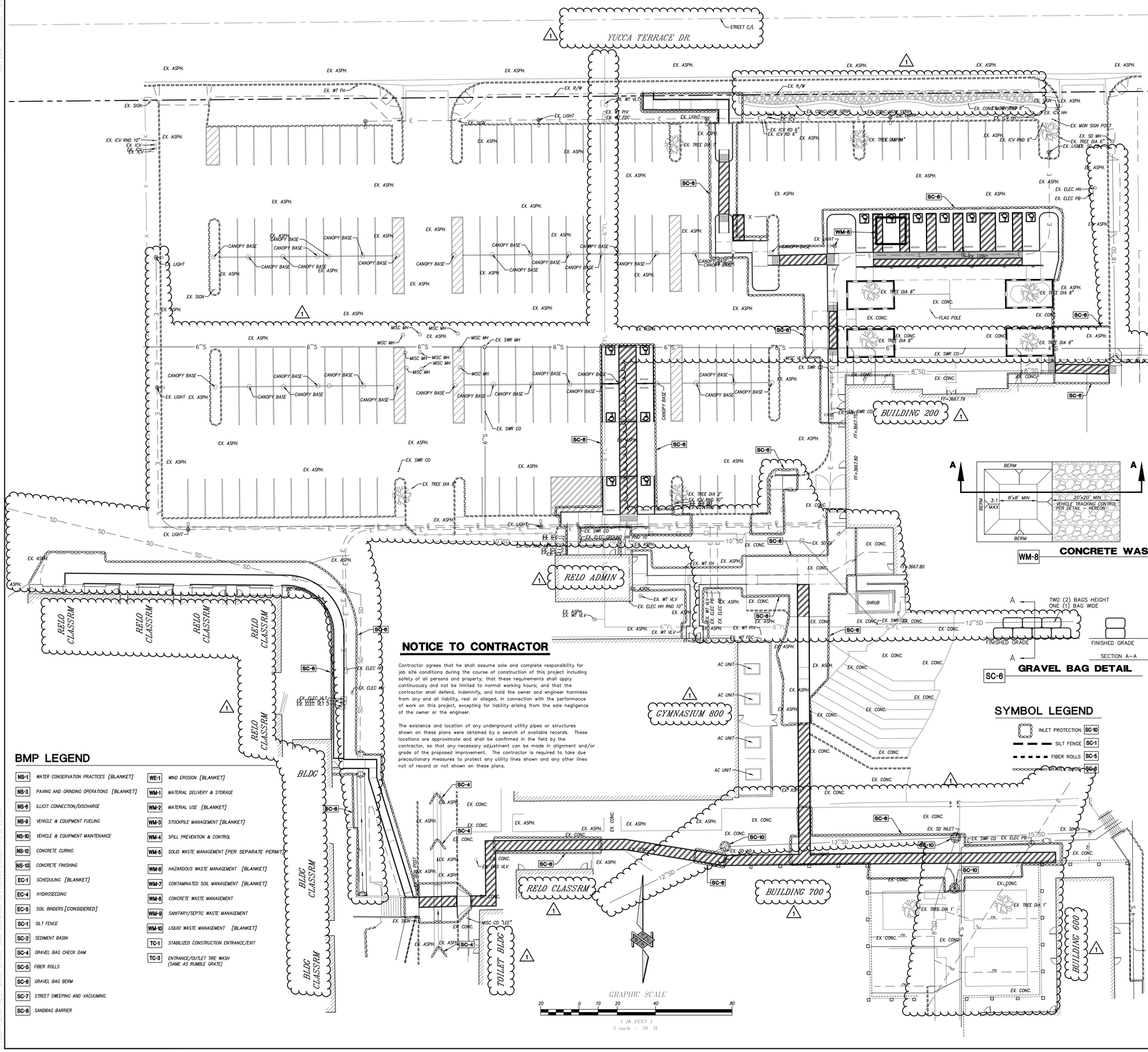
DATE: December, 2021
DRAWN: MM/AM
JOB: 1068–1
SHEET:

G-6

ADDENDUM 1, EXHIBIT "B"

Z:\1068-1 QUAIL VALLEY MIDDLE SCHOOL 10058 ARROWHEAD RD PHELAN\PDS\1068-1 PG.DWG

EROSION CONTROL PLAN



STORM WATER POLLUTION CONTROL (SWPC)

STORM WATER POLLUTION CONTROL REQUIREMENTS FOR CONSTRUCTION ACTIVITIES
MINIMUM WATER QUALITY PROTECTION REQUIREMENTS FOR ALL CONSTRUCTION PROJECTS

THE FOLLOWING NOTES SHALL BE INCORPORATED IN THE APPROVED SET OF CONSTRUCTION/GRADING PLANS AND REPRESENTS THE MINIMUM STANDARDS OF GOOD HOUSEKEEPING WHICH MUST BE IMPLEMENTED ON ALL CONSTRUCTION PROJECTS.

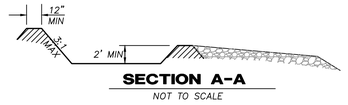
CONSTRUCTION MEANS CONSTRUCTING, CLEARING, GRADING OR EXCAVATION THAT RESULT IN SOIL DISTURBANCE. CONSTRUCTION INCLUDES STRUCTURE TEARDOWN (DEMOLITION). IT DOES NOT INCLUDE ROUTINE MAINTENANCE TO MAINTAIN ORIGINAL LINE AND GRADE, HYDRAULIC CAPACITY, OR ORIGINAL PURPOSE OF FACILITY; EMERGENCY CONSTRUCTION ACTIVITIES REQUIRED TO IMMEDIATELY PROTECT PUBLIC HEALTH AND SAFETY; INTERIOR REMODELING WITH NO OUTSIDE EXPOSURE OF CONSTRUCTION MATERIAL OR CONSTRUCTION WASTE TO STORM WATER; MECHANICAL PERMIT WORK; OR SIGN PERMIT WORK.

(ORDER NO. 01-182, NPDES PERMIT NO. CAS004001-PART 5 DEFINITIONS)

1. *ERODED SEDIMENTS AND POLLUTANTS SHALL BE RETAINED ON SITE AND SHALL NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE OR WIND.*
2. *STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS SHALL BE COVERED AND/OR PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY WIND OR WATER.*
3. *FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND SHALL NOT CONTAMINATE THE SOIL NOR THE SURFACE WATERS. ALL APPROVED TOXIC STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF PROPERLY AND SHALL NOT BE WASHED INTO THE DRAINAGE SYSTEM.*
4. *NON-STORM WATER RUNOFF FROM EQUIPMENT AND VEHICLE WASHING AND ANY OTHER ACTIVITY SHALL BE CONTAINED ON THE PROJECT SITE.*
5. *EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTE ON-SITE UNTIL IT CAN BE APPROPRIATELY DISPOSED OF OR RECYCLED.*
6. *TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF STORM WATER AND DISPERSAL BY WIND.*
7. *SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE STREET/PUBLIC WAYS. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR BY ANY OTHER MEANS.*
8. *RETENTION BASINS OF SUFFICIENT SIZE SHALL BE PROVIDED TO RETAIN STORM WATER RUNOFF ON-SITE AND SHALL BE PROPERLY LOCATED TO COLLECT ALL TRIBUTARY SITE RUNOFF.*
9. *WHERE RETENTION OF STORM WATER RUNOFF ON-SITE IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, RUNOFF MAY BE CONVEYED TO THE STREET AND THE STORM DRAIN SYSTEM PROVIDED THAT AN APPROVED FILTERING SYSTEM IS INSTALLED AND MAINTAINED ON-SITE DURING THE CONSTRUCTION DURATION.*

_____ _____
OWNER OR AUTHORIZED REPRESENTATIVE (PERMITEE) *DATE*

WM-8 CONCRETE WASTE MANAGEMENT DETAIL
N.T.S.



SECTION A-A
NOT TO SCALE

1. *CONTRACTOR TO PLACE LOCATION AS NEEDED.*
2. *THE CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ONSITE.*

NOTICE TO CONTRACTOR

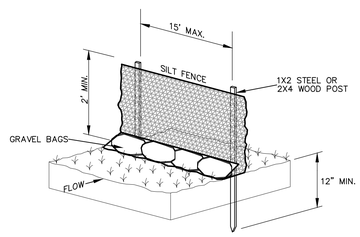
Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project including safety of all persons and property; that these requirements shall apply continuously and not be limited to normal working hours; and that the contractor shall defend, indemnify, and hold the owner and engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from the sole negligence of the owner or the engineer.

The existence and location of any underground utility pipes or structures shown on these plans were obtained by a search of available records. These locations are approximate and shall be confirmed in the field by the contractor, so that any necessary adjustment can be made in alignment and/or grade of the proposed improvement. The contractor is required to take due precautionary measures to protect any utility lines shown and any other lines not of record or not shown on these plans.

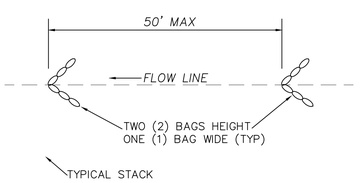
SC-6 GRAVEL BAG DETAIL

SYMBOL LEGEND

- INLET PROTECTION SC-10
- SILT FENCE SC-1
- FIBER ROLLS SC-5
- GRAVEL BAG SC-6



SC-1 SILT FENCE DETAIL



SC-4 GRAVEL BAG CHECK DAM DETAIL
N.T.S.

BMP LEGEND

NS-1	WATER CONSERVATION PRACTICES [BLANKET]
NS-3	PAVING AND GRINDING OPERATIONS [BLANKET]
NS-6	ILLICIT CONNECTION/DISCHARGE
NS-9	VEHICLE & EQUIPMENT FUELING
NS-10	VEHICLE & EQUIPMENT MAINTENANCE
NS-12	CONCRETE CURING
NS-13	CONCRETE FINISHING
EC-1	SCHEDULING [BLANKET]
EC-4	HYDROSEEDING
EC-5	SOIL BINDERS [CONSIDERED]
SC-1	SILT FENCE
SC-2	SEDIMENT BASIN
SC-4	GRAVEL BAG CHECK DAM
SC-5	FIBER ROLLS
SC-6	GRAVEL BAG BERM
SC-7	STREET SWEEPING AND VACUUMING
SC-8	SANDBAG BARRIER
WE-1	WIND EROSION [BLANKET]
WM-1	MATERIAL DELIVERY & STORAGE
WM-2	MATERIAL USE [BLANKET]
WM-3	STOCKPILE MANAGEMENT [BLANKET]
WM-4	SPILL PREVENTION & CONTROL
WM-5	SOLID WASTE MANAGEMENT [PER SEPARATE PERMIT]
WM-6	HAZARDOUS WASTE MANAGEMENT [BLANKET]
WM-7	CONTAMINATED SOIL MANAGEMENT [BLANKET]
WM-8	CONCRETE WASTE MANAGEMENT
WM-9	SANITARY/SEPTIC WASTE MANAGEMENT
WM-10	LIQUID WASTE MANAGEMENT [BLANKET]
TC-1	STABILIZED CONSTRUCTION ENTRANCE/EXIT
TC-3	ENTRANCE/OUTLET TIRE WASH (SAME AS RUMBLE GRATE)

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

SCALE:
1" = 20'

REVISIONS	BY
1 ADDENDUM 01 - 09/17/26	SDL

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ARCHITECT
LICENSED ARCHITECT
ANDREW M. BASTIAN
NO. C-27546
REN. 6-2027
STATE OF CALIFORNIA

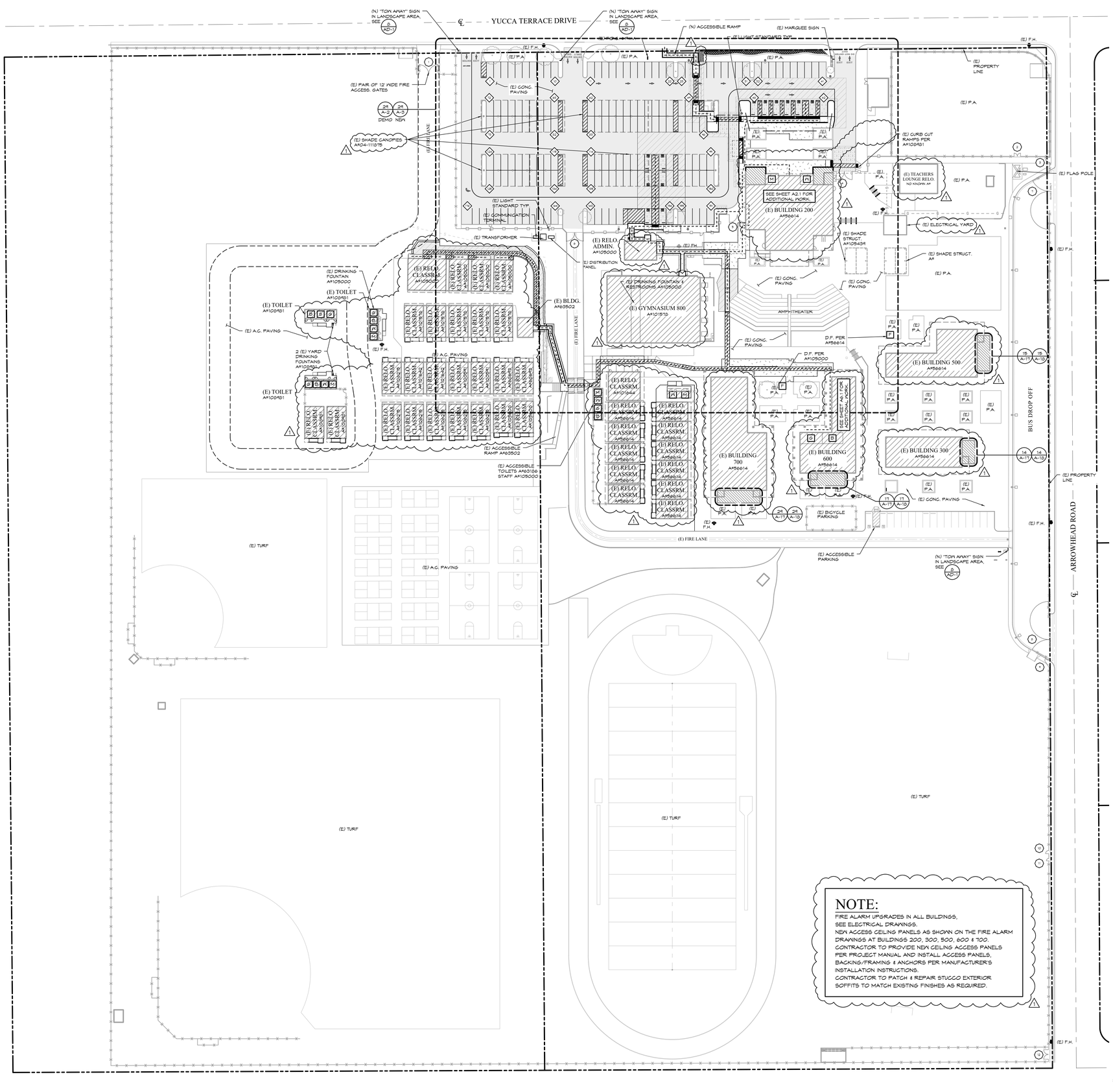
1 SITE WORK, RESTROOM, & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

PROJECT:
SHEET NAME: EROSION CONTROL PLAN

DATE: December, 2025
DRAWN: MM/AM
JOB: 1068-1
SHEET: **G-7**

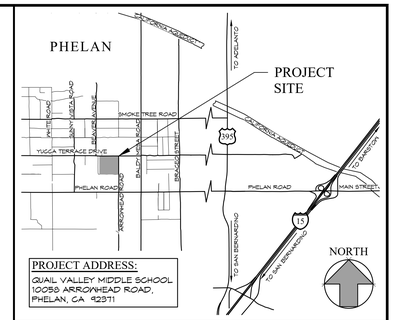
ADDENDUM 1, EXHIBIT "B"

SHEET SIZE: ARCH E (36"x42")
SCALE: 1"=20' (FULL SIZE) 1"=10' (HALF SIZE)
X:\1068-1 QUAIL VALLEY MIDDLE SCHOOL 10958 ARCHIVED BID PHASE\ARCH\1068-1 BID G7 EC.DWG



NOTE:

FIRE ALARM UPGRADES IN ALL BUILDINGS,
SEE ELECTRICAL DRAWINGS.
NEW ACCESS CEILING PANELS AS SHOWN ON THE FIRE ALARM DRAWINGS AT BUILDINGS 200, 300, 500, 600 & 700.
CONTRACTOR TO PROVIDE NEW CEILING ACCESS PANELS PER PROJECT MANUAL AND INSTALL ACCESS PANELS, BACKING/FRAMING & ANCHORS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
CONTRACTOR TO PATCH & REPAIR STUCCO EXTERIOR SOFFITS TO MATCH EXISTING FINISHES AS REQUIRED.



PROJECT ADDRESS:
QUAIL VALLEY MIDDLE SCHOOL
10058 ARROWHEAD ROAD,
PHELAN, CA 92371

VICINITY MAP | SCALE: NONE | 6

1. "DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT."
2. ALL ITEMS ARE EXISTING (E) UNLESS NOTED NEW (N).
3. GRATINGS LOCATED IN THE SURFACE OF THE PEDESTRIAN WAY, IN THE PATH OF TRAVEL,GRID/OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2" MAX. IN THE DIRECTION OF TRAFFIC FLOW. GRATES TO BE MODIFIED IF REQUIRED.
4. REMOVE ALL GATE SIGNS THAT READ "LOCK".

(E) BUILDING W/ INTERIOR UPGRADES, SEE FLOOR PLANS

(E) BUILDINGS WHERE (E) HVAC UNITS ARE TO BE REMOVED AND REPLACED W/ (N) HVAC UNITS

(N) PATH OF TRAVEL

SITE PLAN NOTES

PARKING COUNT
2019 CBC, TABLE 11B-208.2

TOTAL # OF PARKING SPACES FROM	TO	# ACCESSIBLE SPACES
1	25	1
26	50	2
51	75	3
76	100	4
101	150	5
151	200	6
201	300	7
301	400	8
401	500	9
501	1000	- *
1001	AND OVER	- **

*2% OF TOTAL
**20, PLUS 1 FOR EACH 100, OR FRACTION THEREOF, OVER 1000

PARKING LOT #1

	REQUIRED	PROVIDED
# OF STANDARD PARKING SPACES:		164
# OF ACCESSIBLE SPACES:	6	12
OF THOSE, # OF VAN PARKING:	1	4
TOTAL PARKING SPACES:		176

PV STRUCTURES COVERED PARKING RATIO (PER IR 11B-4)

PARKING LOT # 1 (PER 2019 C.B.C. TABLE 11B-208.2)	
STANDARD PARKING PROVIDED	164
ACCESSIBLE PARKING REQUIRED	6
ACCESSIBLE PARKING PROVIDED	12
TOTAL PARKING	176
COVERED PARKING SPACES	
NUMBER OF STANDARD PARKING COVERED 100%	98
% OF STANDARD PARKING COVERED	60
REQUIRED ACCESSIBLE PARKING COVERED 100%	4 SPACE(S)
COVERED ACCESSIBLE PARKING PROVIDED 100%	4 SPACE(S)

NOTE: 1 FOR EVERY 6 ACCESSIBLE PARKING TO BE VAN ACCESSIBLE.

PARKING COUNT

EXISTING RESTROOM LEGEND
- B BOYS' RESTROOM (ADULT)
- G GIRLS' RESTROOM (ADULT)
- M MEN'S RESTROOM
- W WOMEN'S RESTROOM
- T STAFF TOILET (UNISEX)
- S STUDENT TOILET (UNISEX)
- F DUAL-HEIGHT DRINKING FOUNTAIN

RESTROOM LEGEND

REVISIONS	BY
1 ADDENDUM 01	R.S.

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ENGINEER

ARCHITECT
LICENSED ARCHITECT SCOTT A. BACH RENEWAL 08/31/2027 LIC. C-37546 REN. 6-2027 STATE OF CALIFORNIA

PROJECT: SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: OVERALL SITE PLAN

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET: A-1

ADDENDUM 1, EXHIBIT "B"

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XREFS:
\Masters\xrefBorder (GD) - E.dwg
\Masters\xrefSite - Quail Valley MS (Add 01).dwg
\Masters\xrefRef - 2020 (Add 01).dwg
\Masters\xrefFloor Bldg 200 (Add 01).dwg

SHEET SIZE: ARCH E (30"X42")
PLOT DATE: 01/14/2026 3:57:58 PM

Z:\SNOWLINE\SJ21-01 QUAIL VALLEY MS MODERNIZATION\ARCH\A-1 OVERALL SITE PLAN (ADD 01).DWG

OVERALL SITE PLAN | SCALE: 1" = 50' | 29 | RESTROOM LEGEND

SHEET SIZE: ARCH E (30"X42")
PLOT DATE: 10/14/2026 10:41:00 PM

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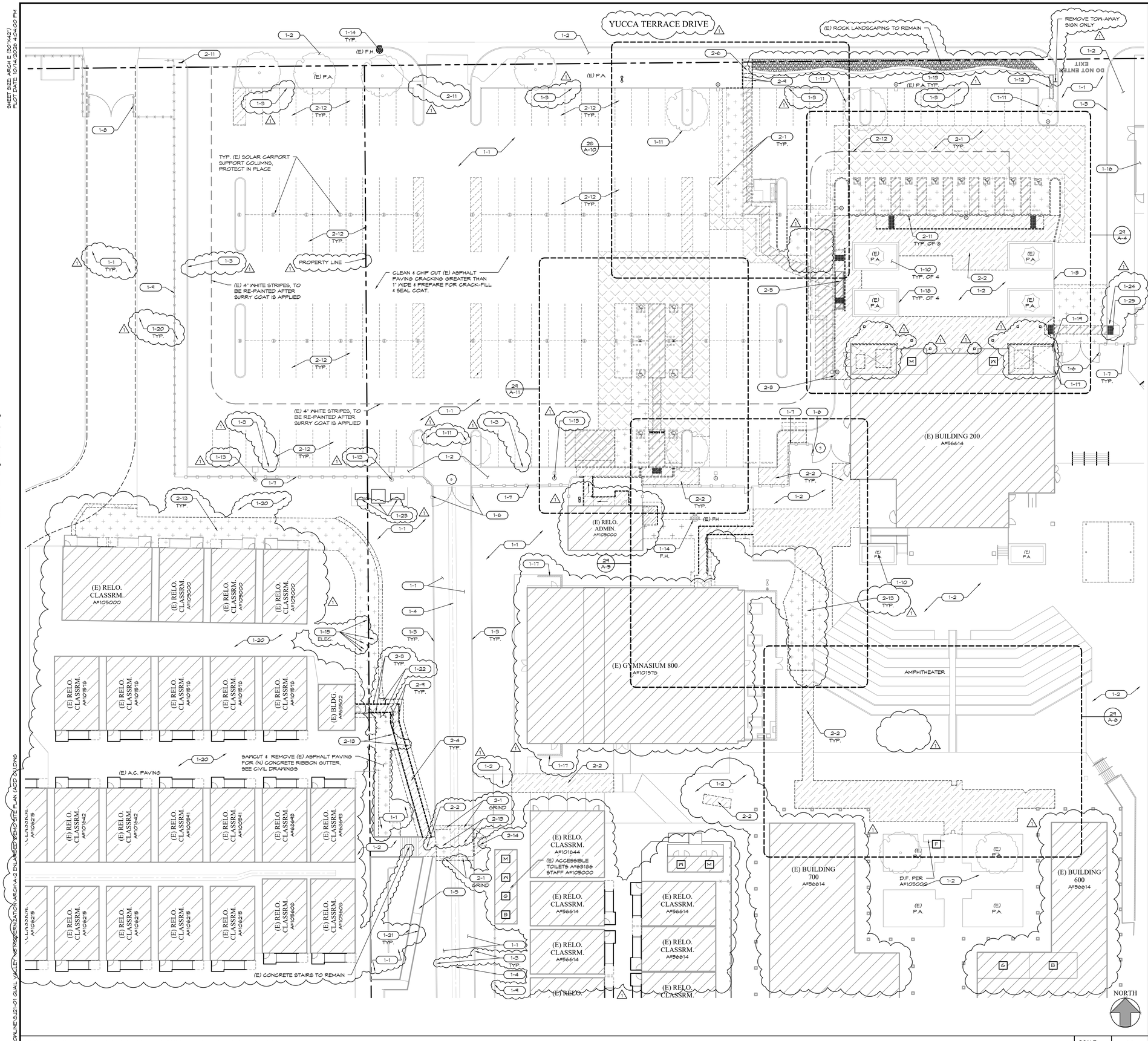
\\Masters\XrefC - Bldg 200 (Add 01).dwg

Z:\SNOWLINE\SJ21-01 QUAIL VALLEY MS MODERNIZATION\ARCH\A-2 ENLARGED DEMO SITE PLAN (ADD 01).DWG



ENLARGED DEMO SITE PLAN - PARKING LOT & MAIN CAMPUS

SCALE: 1" = 20'

29

DEMOLITION SITE PLAN LEGEND

EXISTING

- 1-1 ASPHALT PAVING TO REMAIN.
- 1-2 CONCRETE PAVING TO REMAIN.
- 1-3 CONCRETE CURB TO REMAIN.
- 1-4 CONCRETE SWALE TO REMAIN.
- 1-5 CONCRETE RAMP TO REMAIN.
- 1-6 TUBE STEEL GATE TO REMAIN.
- 1-7 TUBE STEEL FENCING TO REMAIN.
- 1-8 CHAIN LINK GATE TO REMAIN.
- 1-9 CHAIN LINK FENCING TO REMAIN.
- 1-10 PLANTER AREA TO REMAIN.
- 1-11 TREE TO REMAIN, PROTECT IN PLACE.
- 1-12 SIGN TO REMAIN, PROTECT IN PLACE.
- 1-13 LIGHT STANDARD TO REMAIN, PROTECT IN PLACE.
- 1-14 FIRE HYDRANT (FDC OR P.I.V.) TO REMAIN, PROTECT IN PLACE.
- 1-15 UTILITY VAULT TO REMAIN, ADJUST TO FINISH GRADE AS REQUIRED TO PROVIDE FLUSH TRANSITION WITH PAVING WHERE OCCURS PER CIVIL DRAWINGS. (1)
- 1-16 TRASH ENCLOSURE TO REMAIN, PROTECT IN PLACE.
- 1-17 C.M.U. BLOCK WALL WITH PARAPET COPING TO REMAIN, PROTECT IN PLACE. (1)
- 1-18 CONCRETE BLOCK PLANTER TO REMAIN, PROTECT IN PLACE.
- 1-19 GAS METER TO REMAIN, PROTECT IN PLACE.
- 1-20 DIRT TO REMAIN, PROTECT IN PLACE.
- 1-21 HANDRAILS TO REMAIN, PROTECT IN PLACE.
- 1-22 CULVERT TO REMAIN, PROTECT IN PLACE.
- 1-23 ELECTRICAL EQUIPMENT TO REMAIN, PROTECT IN PLACE.
- 1-24 CONCRETE CURB-CUT TO REMAIN, PROTECT IN PLACE.
- 1-25 TRUNCATED DOMES TO REMAIN, PROTECT IN PLACE.
- 1-26 STEEL DOORS TO REMAIN, PROTECT IN PLACE.
- 1-27 WATER VALVE TO REMAIN, PROTECT IN PLACE.
- 1-28 SEWER CLEAN OUT, PROTECT IN PLACE.

DEMOLITION

- 2-1 (E) ASPHALT PAVING, GRIND AS REQUIRED, SEE ENLARGED SITE PLANS.
- 2-2 SAWCUT & REMOVE (E) CONCRETE PAVING.
- 2-3 SAWCUT & REMOVE (E) CONCRETE CURB.
- 2-4 SAWCUT & REMOVE (E) CONCRETE RAMP.
- 2-5 DEMO & REMOVE (E) ACCESSIBLE DROP-OFF COMPLETE. (1)
- 2-6 SAWCUT & REMOVE (E) CONCRETE STEPS/STAIRS.
- 2-7 SAWCUT & REMOVE (E) 9'-6" HIGH C.M.U. WALLS, FOOTING & PARAPET COPING.
- 2-8 REMOVE (E) TRUNCATED DOMES.
- 2-9 REMOVE (E) METAL RAILING.
- 2-10 (E) WHEEL STOP TO BE REMOVED.
- 2-11 (E) SIGN, POST & FOOTING TO BE REMOVED.
- 2-12 BLANK OUT (E) STRIPING.
- 2-13 SAWCUT & REMOVE (E) ASPHALT PAVING, SEE ENLARGED SITE PLANS & CIVIL DRAWINGS. (1)
- 2-14 SAWCUT & REMOVE (E) CONCRETE CURB-CUT.
- 2-15 REMOVE (E) IN-GRADE ARCHITECTURAL LIGHTING FIXTURES.
- 2-16 REMOVE (E) PLANTER AREA.
- 2-17 REMOVE (E) DRAINAGE SWALE/CULVERT UNDER RAMP.
- 2-18 REMOVE (E) SEWER CLEAN-OUT.
- 2-19 REMOVE (E) IRRIGATION CONTROL BOX.

SITE PLAN KEYNOTES

- EXISTING PAVING, NO NEW WORK.
- SAW CUT & REMOVE EXISTING ASPHALT PAVING.
- GRIND EXISTING ASPHALT AS REQUIRED FOR NEW OVERLAY, SEE CIVIL.
- SAW CUT & REMOVE EXISTING CONCRETE PAVING.
- SAW CUT & REMOVE EXISTING PAVING & TRUNCATED DOMES.

REVISIONS	BY
1 ADDENDUM 01	R.S.

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ARCHITECT

LICENSED ARCHITECT
REGISTERED PROFESSIONAL
JOHN C. BASTIAN
NO. C-27546
REN. 6-2027
STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
ENLARGED DEMO SITE PLAN

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET:
A-2

ADDENDUM 1, EXHIBIT "B"

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PLOT DATE: 01/14/2026 4:07:27 PM
PLOT SIZE: ARCH E (30"X42")
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...\Masters\XMTitle - Bldg 200 (Add 01).dwg
Z:\SNOWLINE\SJ21-01 QUAIL VALLEY MS MODERNIZATION\ARCH\MASTERS\SITE PLAN (ADD 01).DWG

YUCCA TERRACE DRIVE
495'-4"

24'-4" | 96'-11" | 24'-11" | 108'-0" | 90'-0" | 90'-0" | 11'-0" | 26'-1"

(E) F.H.
(E) P.A. 1-14 TYP.
ENTER ONLY / EXIT
DROP OFF
ENTER ONLY
DO NOT ENTER / EXIT
(E) ROCK LANDSCAPING TO REMAIN
(E) P.A. TYP.
TYP. (E) SOLAR CARPORT SUPPORT COLUMNS, PROTECT IN PLACE
PROPERTY LINE
(E) BUILDING 200
A#56614
(E) RELO. ADMIN.
A#105000
(E) FH
(E) GYMNASIUM 800
A#101575
AMPHITHEATER
(E) BUILDING 700
A#56614
(E) BUILDING 600
A#56614
D.F. PER A#105000
(E) BLDG. A#63802
(N) CONCRETE RIBBON GUTTER, SEE CIVIL DRAWINGS
(E) A.C. PAVING
(E) RELO. CLASSRM. A#105000
(E) RELO. CLASSRM. A#101575
(E) RELO. CLASSRM. A#101644
(E) RELO. CLASSRM. A#110291
(E) RELO. CLASSRM. A#63613
(E) RELO. CLASSRM. A#106219
(E) RELO. CLASSRM. A#105609
(E) ACCESSIBLE TOILETS A#63186 STAFF A#105000
NORTH

ENLARGED NEW SITE PLAN - NEW PARKING LOT

SCALE: 1" = 20'

29

EXISTING

1-1 ASPHALT PAVING TO REMAIN.
1-2 CONCRETE PAVING TO REMAIN.
1-3 CONCRETE CURB TO REMAIN.
1-4 CONCRETE SWALE TO REMAIN.
1-5 CONCRETE RAMP TO REMAIN.
1-6 TUBE STEEL GATE TO REMAIN.
1-7 TUBE STEEL FENCING TO REMAIN.
1-8 CHAIN LINK GATE TO REMAIN.
1-9 CHAIN LINK FENCING TO REMAIN.
1-10 PLANTER AREA TO REMAIN.
1-11 TREE TO REMAIN, PROTECT IN PLACE.
1-12 SIGN TO REMAIN, PROTECT IN PLACE.
1-13 LIGHT STANDARD TO REMAIN, PROTECT IN PLACE.
1-14 FIRE HYDRANT (FDC OR P.I.V.) TO REMAIN, PROTECT IN PLACE.
1-15 UTILITY VAULT TO REMAIN, ADJUST TO FINISH GRADE AS REQUIRED TO PROVIDE FLUSH TRANSITION WITH PAVING WHERE OCCURS PER CIVIL DRAWINGS.
1-16 TRASH ENCLOSURE TO REMAIN, PROTECT IN PLACE.
1-17 C.M.U. BLOCK WALL WITH PARAPET COPING TO REMAIN, PROTECT IN PLACE.
1-18 CONCRETE BLOCK PLANTER TO REMAIN, PROTECT IN PLACE.
1-19 GAS METER TO REMAIN, PROTECT IN PLACE.
1-20 DIRT TO REMAIN, PROTECT IN PLACE.
1-21 HANDRAILS TO REMAIN, PROTECT IN PLACE.
1-22 CULVERT TO REMAIN, PROTECT IN PLACE.
1-23 ELECTRICAL EQUIPMENT TO REMAIN, PROTECT IN PLACE.
1-24 CONCRETE CURB-CUT TO REMAIN, PROTECT IN PLACE.
1-25 TRUNCATED DOMES TO REMAIN, PROTECT IN PLACE.
1-26 STEEL DOORS TO REMAIN, PROTECT IN PLACE.
1-27 WATER VALVE TO REMAIN, PROTECT IN PLACE.
1-28 SEWER CLEAN OUT, PROTECT IN PLACE.

NEW

3-1 ASPHALT FILL & SEAL COAT, SEE 6/AD-1
3-2 4" THICK ASPHALT PAVING, FLUSH W/ ADJACENT PAVING, SEE 4/AD-1 & 5/AD-1
3-3 ASPHALT PAVING OVER A.B. FLUSH W/ ADJACENT PAVING.
3-4 4" THICK CONCRETE PAVING, SEE CIVIL DRAWINGS & 2/AD-1 & 3/AD-1
3-5 6" CONCRETE CURB, SEE CIVIL DRAWINGS.
3-6 ACCESSIBLE CURB RAMP, SEE 20/AD-1
3-7 ACCESSIBLE DROP-OFF W/ CANE RAIL, SEE 24/AD-1
3-8 3'-0" DEEP BAND OF TRUNCATED DOMES, SEE 12/AD-1
3-9 STANDARD PARKING, SEE 16/AD-1
3-10 CROSSWALK STRIPING, SEE 15/AD-1
3-11 4" WIDE WHITE PAINT STRIPING W/ DIAGONAL STRIPES @ 36" O/C & 12" HIGH TEXT WHERE OCCURS.
3-12 PAINTED TRAFFIC ARROWS, SEE 13/AD-1
3-13 WHEEL STOP, SEE 22/AD-1
3-14 ACCESSIBLE PARKING SPACE SIGN, SEE 4/AD-1 OR 10/AD-1 AS NOTED ON PLANS.
3-15 TOW AWAY SIGN, SEE 8/AD-1
3-16 34" HIGH CANE RAIL, SEE 27/AD-1
3-17 34" HIGH METAL HANDRAILS EXTENSIONS @ RAMPS, SEE 20/AD-1 & 29/AD-1
3-18 6" PVC LANDSCAPE SLEEVE, SEE 14/AD-1
3-19 DECOMPOSED GRANITE, SEE 5/A-15
3-20 8" CONCRETE MASONRY BLOCK WALL, SEE 1/AD-2
3-21 RELOCATED IRRIGATION CONTROL VALVE BOX. REROUTE (E) IRRIGATION, VALVES, ETC. AS REQUIRED.
3-22 RELOCATED ELECTRICAL BOX. ADJUST TO GRADE AS REQUIRED TO PROVIDE FLUSH TRANSITION WITH PAVING.

SITE PLAN KEYNOTES

EXISTING PAVING, NO NEW WORK.
NEW SEAL COAT OF EXISTING AND NEW ASPHALT PAVING. CRACK FILL AT EXISTING ASPHALT PAVING.
NEW ASPHALT/ ASPHALT OVERLAY AT EXISTING ASPHALT PAVING TO BE FLUSH WITH ADJACENT PAVING SURFACE.
NEW ASPHALT PAVING, SEE CIVIL FOR BASE AND THICKNESS.
NEW 4" THICK CONCRETE PAVING (MIN.) TO BE FLUSH WITH ADJACENT PAVING SURFACE.
NEW 3'-0" WIDE BAND OF TRUNCATED DOMES.
◇ = PARKING SPACE COUNT

NOTE:
1. COMPACT BASE TO 90% RELATIVE COMPACTION IN ALL AREAS TO RECEIVE (N) ASPHALT PAVING.
2. COMPACT BASE TO 95% RELATIVE COMPACTION IN ALL AREAS THAT HAVE BUS AND FIRE LANES.
3. COMPACT SOIL UNDER NEW CONCRETE PAVING TO 90% RELATIVE COMPACTION

SITE PLAN LEGEND

REVISIONS	BY
1 ADDENDUM 01	R.S.

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ENGINEER

ARCHITECT
LICENSED ARCHITECT — STEVEN A. JETTÉ — No. C-27546 — REN. 6-2027 — STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
ENLARGED NEW SITE PLAN

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET:
A-3

ADDENDUM 1, EXHIBIT "B"

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SHEET SIZE: ARCH E (30"X42")
PLOT DATE: 10/14/2026 4:16:05 PM

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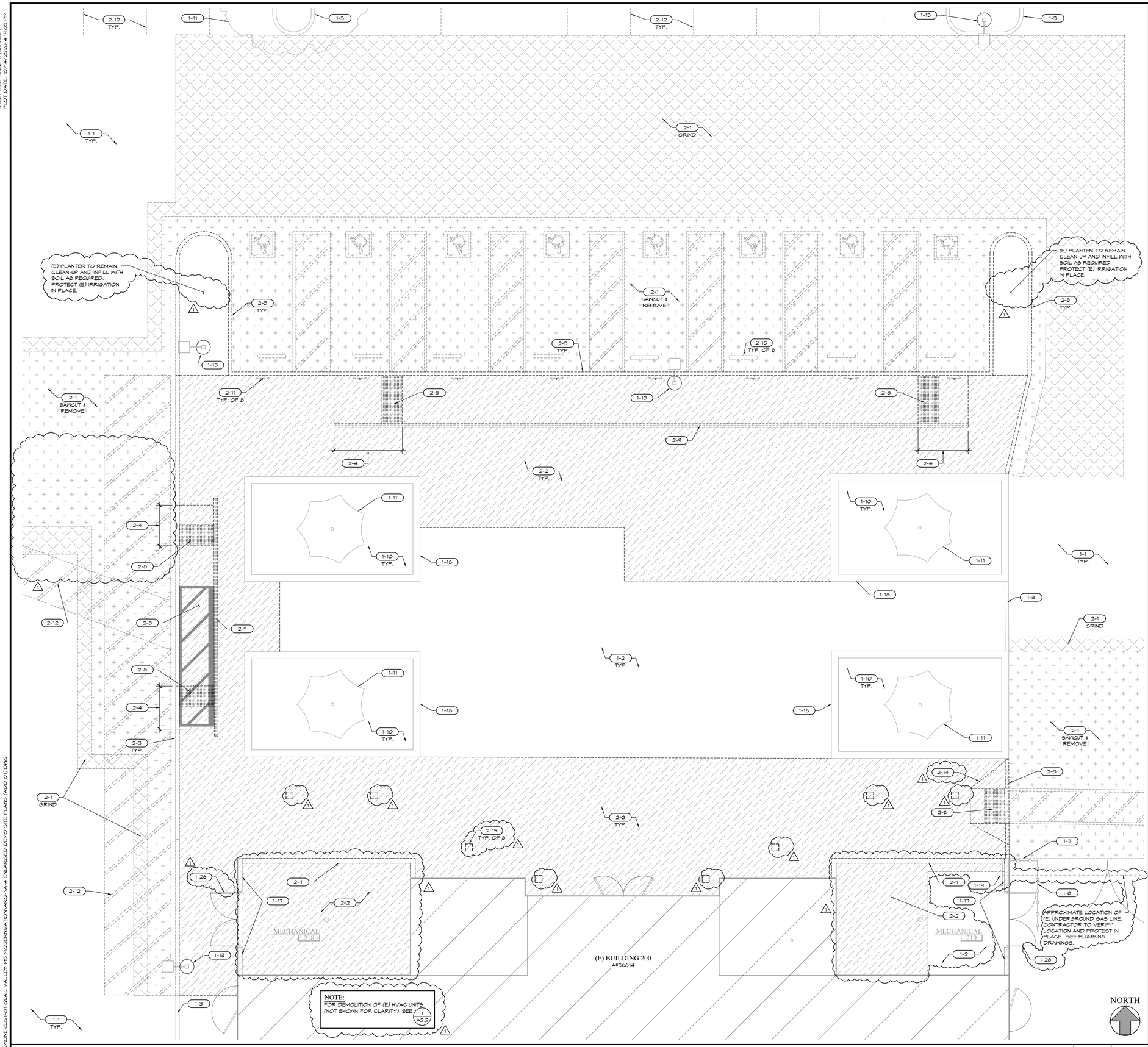

ENLARGED DEMO SITE PLAN - NORTH OF BUILDING 200

SCALE: 3/16" = 1'-0"

EXISTING

- 1-1 ASPHALT PAVING TO REMAIN.
- 1-2 CONCRETE PAVING TO REMAIN.
- 1-3 CONCRETE CURB TO REMAIN.
- 1-4 CONCRETE SWALE TO REMAIN.
- 1-5 CONCRETE RAMP TO REMAIN.
- 1-6 TUBE STEEL GATE TO REMAIN.
- 1-7 TUBE STEEL FENCING TO REMAIN.
- 1-8 CHAIN LINK GATE TO REMAIN.
- 1-9 CHAIN LINK FENCING TO REMAIN.
- 1-10 PLANTER AREA TO REMAIN.
- 1-11 TREE TO REMAIN, PROTECT IN PLACE.
- 1-12 SIGN TO REMAIN, PROTECT IN PLACE.
- 1-13 LIGHT STANDARD TO REMAIN, PROTECT IN PLACE.
- 1-14 FIRE HYDRANT (FDC OR P.I.V.) TO REMAIN, PROTECT IN PLACE. △1
- 1-15 UTILITY VAULT TO REMAIN, ADJUST TO FINISH GRADE AS REQUIRED TO PROVIDE FLUSH TRANSITION WITH PAVING WHERE OCCURS PER CIVIL DRAWINGS. △1
- 1-16 TRASH ENCLOSURE TO REMAIN, PROTECT IN PLACE.
- 1-17 C.M.U. BLOCK WALL WITH PARAPET COPING TO REMAIN, PROTECT IN PLACE. △1
- 1-18 CONCRETE BLOCK PLANTER TO REMAIN, PROTECT IN PLACE.
- 1-19 GAS METER TO REMAIN, PROTECT IN PLACE.
- 1-20 DIRT TO REMAIN, PROTECT IN PLACE.
- 1-21 HANDRAILS TO REMAIN, PROTECT IN PLACE.
- 1-22 CULVERT TO REMAIN, PROTECT IN PLACE.
- 1-23 ELECTRICAL EQUIPMENT TO REMAIN, PROTECT IN PLACE.
- 1-24 CONCRETE CURB-CUT TO REMAIN, PROTECT IN PLACE.
- 1-25 TRUNCATED DOMES TO REMAIN, PROTECT IN PLACE.
- 1-26 STEEL DOORS TO REMAIN, PROTECT IN PLACE.
- 1-27 WATER VALVE TO REMAIN, PROTECT IN PLACE.
- 1-28 SEWER CLEAN OUT, PROTECT IN PLACE.

DEMOLITION

- 2-1 (E) ASPHALT PAVING, GRIND AS REQUIRED, SEE ENLARGED SITE PLANS.
- 2-2 SAWCUT & REMOVE (E) CONCRETE PAVING.
- 2-3 SAWCUT & REMOVE (E) CONCRETE CURB.
- 2-4 SAWCUT & REMOVE (E) CONCRETE RAMP.
- 2-5 DEMO & REMOVE (E) ACCESSIBLE DROP-OFF COMPLETE. △1
- 2-6 SAWCUT & REMOVE (E) CONCRETE STEPS/STAIRS.
- 2-7 SAWCUT & REMOVE (E) 9'-6" HIGH C.M.U. WALLS, FOOTING & PARAPET COPING.
- 2-8 REMOVE (E) TRUNCATED DOMES.
- 2-9 REMOVE (E) METAL RAILING.
- 2-10 (E) WHEEL STOP TO BE REMOVED.
- 2-11 (E) SIGN, POST & FOOTING TO BE REMOVED.
- 2-12 BLANK OUT (E) STRIPING. △1
- 2-13 SAWCUT & REMOVE (E) ASPHALT PAVING, SEE ENLARGED SITE PLANS & CIVIL DRAWINGS. △1
- 2-14 SAWCUT & REMOVE (E) CONCRETE CURB-CUT.
- 2-15 REMOVE (E) IN-GRADE ARCHITECTURAL LIGHTING FIXTURES.
- 2-16 REMOVE (E) PLANTER AREA.
- 2-17 REMOVE (E) DRAINAGE SWALE/CULVERT UNDER RAMP.
- 2-18 REMOVE (E) SEWER CLEAN-OUT.
- 2-19 REMOVE (E) IRRIGATION CONTROL BOX.

SITE PLAN KEYNOTES

- EXISTING PAVING, NO NEW WORK.
- SAW CUT & REMOVE EXISTING ASPHALT PAVING.
- GRIND EXISTING ASPHALT AS REQUIRED FOR NEW OVERLAY, SEE CIVIL.
- SAW CUT & REMOVE EXISTING CONCRETE PAVING.
- SAW CUT & REMOVE EXISTING PAVING & TRUNCATED DOMES.

DEMOLITION SITE PLAN LEGEND

REVISIONS	BY
△1 ADDENDUM 01	R.S.

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ARCHITECT

LICENSED ARCHITECT RAMIN BAGHAI LIC. NO. C-37546 REN. 6-2027 STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
ENLARGED DEMO SITE PLANS

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET:
A-4

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ADDENDUM 1, EXHIBIT "B"

SHEET SIZE: ARCH E (30"X42")
PLOT DATE: 10/14/2026 - 12:29:39 PM

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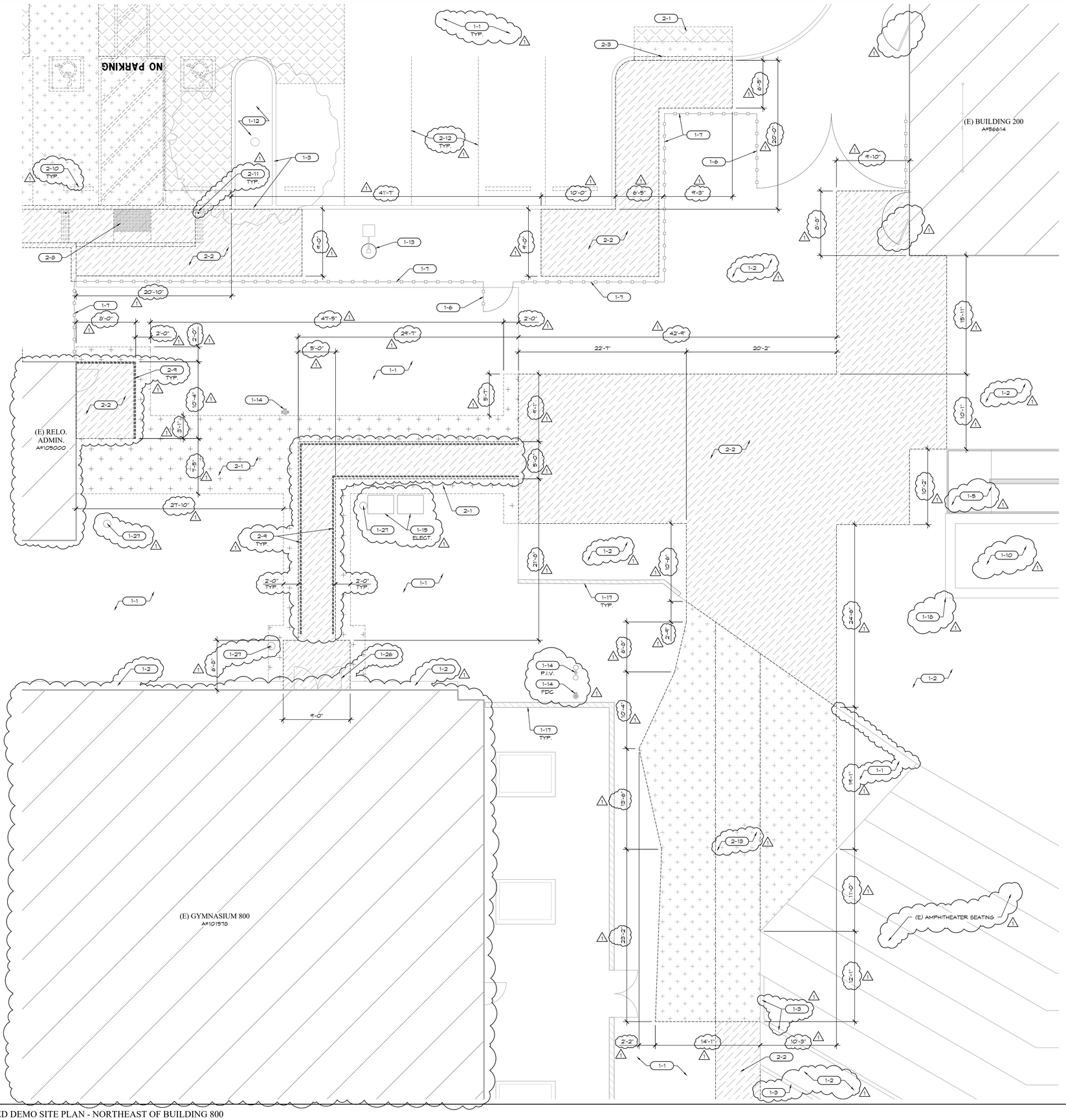
\\Masters\xmref - 2020 (Add 01).dwg
\\Masters\xmref-floor Bldg 200 (Add 01).dwg



ENLARGED DEMO SITE PLAN - NORTHEAST OF BUILDING 800

SCALE: 3/16" = 1'-0"

29

EXISTING

- 1-1 ASPHALT PAVING TO REMAIN.
- 1-2 CONCRETE PAVING TO REMAIN.
- 1-3 CONCRETE CURB TO REMAIN.
- 1-4 CONCRETE SWALE TO REMAIN.
- 1-5 CONCRETE RAMP TO REMAIN.
- 1-6 TUBE STEEL GATE TO REMAIN.
- 1-7 TUBE STEEL FENCING TO REMAIN.
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- 1-16 TRASH ENCLOSURE TO REMAIN, PROTECT IN PLACE.
- 1-17 C.M.U. BLOCK WALL WITH PARAPET COPING TO REMAIN, PROTECT IN PLACE. (1)
- 1-18 CONCRETE BLOCK PLANTER TO REMAIN, PROTECT IN PLACE.
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- 1-26 STEEL DOORS TO REMAIN, PROTECT IN PLACE.
- 1-27 WATER VALVE TO REMAIN, PROTECT IN PLACE.
- 1-28 SEWER CLEAN OUT, PROTECT IN PLACE.

(1)

DEMOLITION

- 2-1 (E) ASPHALT PAVING, GRIND AS REQUIRED, SEE ENLARGED SITE PLANS.
- 2-2 SAWCUT & REMOVE (E) CONCRETE PAVING.
- 2-3 SAWCUT & REMOVE (E) CONCRETE CURB.
- 2-4 SAWCUT & REMOVE (E) CONCRETE RAMP.
- 2-5 DEMO & REMOVE (E) ACCESSIBLE DROP-OFF COMPLETE. (1)
- 2-6 SAWCUT & REMOVE (E) CONCRETE STEPS/STAIRS.
- 2-7 SAWCUT & REMOVE (E) 9'-6" HIGH C.M.U. WALLS, FOOTING & PARAPET COPING.
- 2-8 REMOVE (E) TRUNCATED DOMES.
- 2-9 REMOVE (E) METAL RAILING.
- 2-10 (E) WHEEL STOP TO BE REMOVED.
- 2-11 (E) SIGN, POST & FOOTING TO BE REMOVED.
- 2-12 BLANK OUT (E) STRIPING.
- 2-13 SAWCUT & REMOVE (E) ASPHALT PAVING, SEE ENLARGED SITE PLANS & CIVIL DRAWINGS. (1)
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- 2-15 REMOVE (E) IN-GRADE ARCHITECTURAL LIGHTING FIXTURES.
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- 2-17 REMOVE (E) DRAINAGE SWALE/CULVERT UNDER RAMP.
- 2-18 REMOVE (E) SEWER CLEAN-OUT.
- 2-19 REMOVE (E) IRRIGATION CONTROL BOX.

SITE PLAN KEYNOTES

- EXISTING PAVING, NO NEW WORK.
- SAW CUT & REMOVE EXISTING ASPHALT PAVING.
- GRIND EXISTING ASPHALT AS REQUIRED FOR NEW OVERLAY, SEE CIVIL.
- SAW CUT & REMOVE EXISTING CONCRETE PAVING.
- SAW CUT & REMOVE EXISTING PAVING & TRUNCATED DOMES.

DEMOLITION SITE PLAN LEGEND

REVISIONS	BY
1 ADDENDUM 01	R.S.

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ENGINEER

ARCHITECT

LICENSED ARCHITECT — STATE OF CALIFORNIA — RENEWAL 08/31/2027 — LICENSE NO. C-27546 — REN. 6-2027

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SHOUTLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
ENLARGED DEMO SITE PLANS

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET:
A-5

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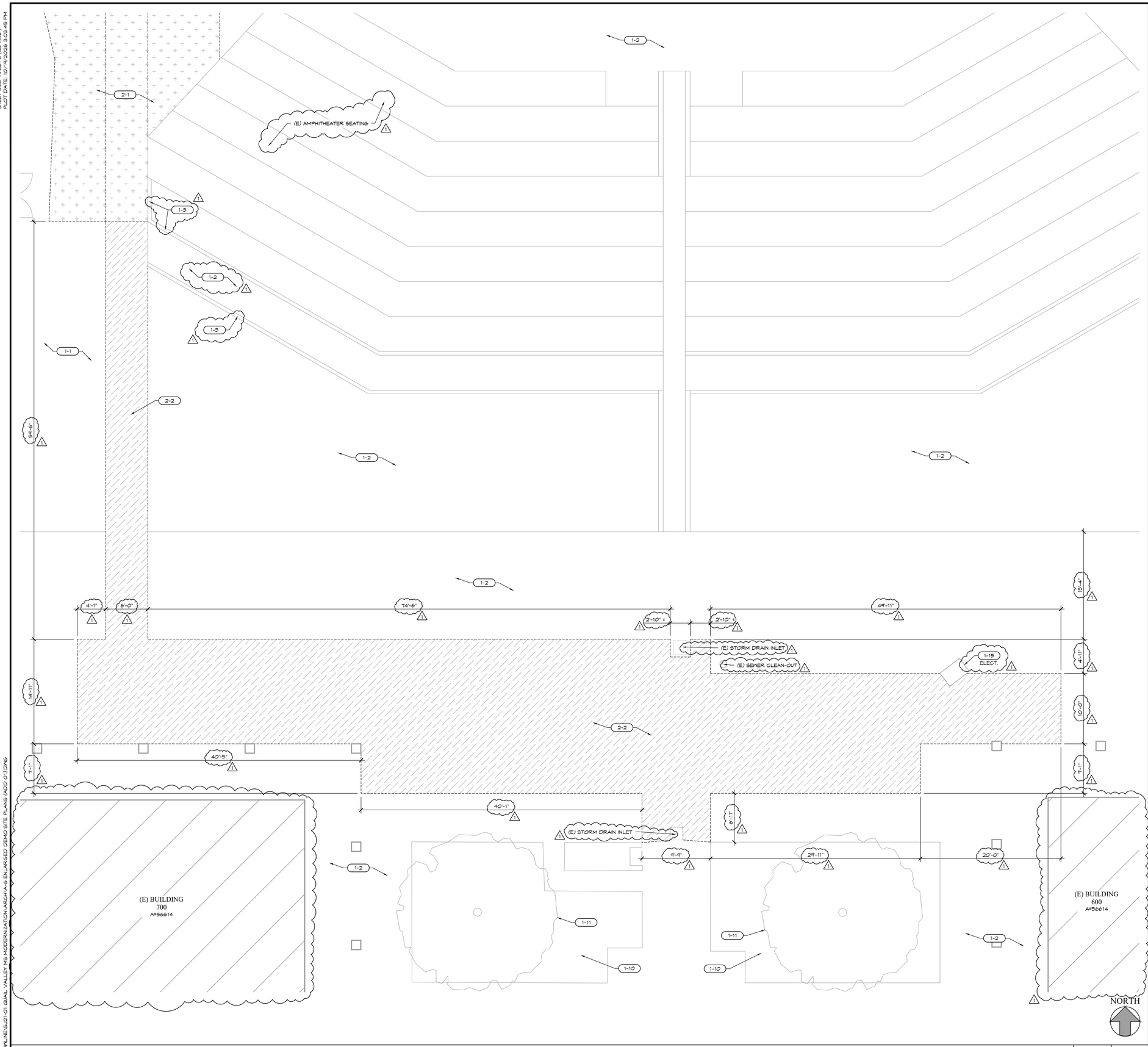
ADDENDUM 1, EXHIBIT "B"

Z:\ENGINEERING\SJ21-01 QUAIL VALLEY MS MODERNIZATION\ARCH\A-5 ENLARGED DEMO SITE PLANS (ADD 01).DWG

SHEET SIZE: ARCH E (30"X42")
PLOT DATE: 07/19/2023 3:02:45 PM

XREFS:
Z:\Shoutline\SJ21-01 Quail Valley MS Modernization\Arch\Masters\amborder (ed) - e.dwg
..\Masters\XMRef - 2022 (Add 01).dwg
..\Masters\XMTitle - Quail Valley MS (Add 01).dwg
..\Masters\XMFloor Bldg 200 (Add 01).dwg

Z:\SHOUTLINE\SJ21-01 QUAIL VALLEY MS MODERNIZATION\ARCH\A-6 ENLARGED DEMO SITE PLANS (ADD 01).DWG



EXISTING

- 1-1 ASPHALT PAVING TO REMAIN.
- 1-2 CONCRETE PAVING TO REMAIN.
- 1-3 CONCRETE CURB TO REMAIN.
- 1-4 CONCRETE SWALE TO REMAIN.
- 1-5 CONCRETE RAMP TO REMAIN.
- 1-6 TUBE STEEL GATE TO REMAIN.
- 1-7 TUBE STEEL FENCING TO REMAIN.
- 1-8 CHAIN LINK GATE TO REMAIN.
- 1-9 CHAIN LINK FENCING TO REMAIN.
- 1-10 PLANTER AREA TO REMAIN.
- 1-11 TREE TO REMAIN, PROTECT IN PLACE.
- 1-12 SIGN TO REMAIN, PROTECT IN PLACE.
- 1-13 LIGHT STANDARD TO REMAIN, PROTECT IN PLACE.
- 1-14 FIRE HYDRANT (FDC OR P.I.V.) TO REMAIN, PROTECT IN PLACE. △
- 1-15 UTILITY VAULT TO REMAIN, ADJUST TO FINISH GRADE AS REQUIRED TO PROVIDE FLUSH TRANSITION WITH PAVING WHERE OCCURS PER CIVIL DRAWINGS. △
- 1-16 TRASH ENCLOSURE TO REMAIN, PROTECT IN PLACE.
- 1-17 C.M.U. BLOCK WALL WITH PARAPET COPING TO REMAIN, PROTECT IN PLACE. △
- 1-18 CONCRETE BLOCK PLANTER TO REMAIN, PROTECT IN PLACE.
- 1-19 GAS METER TO REMAIN, PROTECT IN PLACE.
- 1-20 DIRT TO REMAIN, PROTECT IN PLACE. △
- 1-21 HANDRAILS TO REMAIN, PROTECT IN PLACE.
- 1-22 CULVERT TO REMAIN, PROTECT IN PLACE.
- 1-23 ELECTRICAL EQUIPMENT TO REMAIN, PROTECT IN PLACE.
- 1-24 CONCRETE CURB-CUT TO REMAIN, PROTECT IN PLACE.
- 1-25 TRUNCATED DOMES TO REMAIN, PROTECT IN PLACE.
- 1-26 STEEL DOORS TO REMAIN, PROTECT IN PLACE.
- 1-27 WATER VALVE TO REMAIN, PROTECT IN PLACE.
- 1-28 SEWER CLEAN OUT, PROTECT IN PLACE.

DEMOLITION

- 2-1 (E) ASPHALT PAVING, GRIND AS REQUIRED, SEE ENLARGED SITE PLANS.
- 2-2 SAWCUT & REMOVE (E) CONCRETE PAVING.
- 2-3 SAWCUT & REMOVE (E) CONCRETE CURB.
- 2-4 SAWCUT & REMOVE (E) CONCRETE RAMP.
- 2-5 DEMO & REMOVE (E) ACCESSIBLE DROP-OFF COMPLETE. △
- 2-6 SAWCUT & REMOVE (E) CONCRETE STEPS/STAIRS.
- 2-7 SAWCUT & REMOVE (E) 9'-6" HIGH C.M.U. WALLS, FOOTING & PARAPET COPING.
- 2-8 REMOVE (E) TRUNCATED DOMES.
- 2-9 REMOVE (E) METAL RAILING.
- 2-10 (E) WHEEL STOP TO BE REMOVED.
- 2-11 (E) SIGN, POST & FOOTING TO BE REMOVED.
- 2-12 BLANK OUT (E) STRIPING. △
- 2-13 SAWCUT & REMOVE (E) ASPHALT PAVING, SEE ENLARGED SITE PLANS & CIVIL DRAWINGS.
- 2-14 SAWCUT & REMOVE (E) CONCRETE CURB-CUT.
- 2-15 REMOVE (E) IN-GRADE ARCHITECTURAL LIGHTING FIXTURES.
- 2-16 REMOVE (E) PLANTER AREA.
- 2-17 REMOVE (E) DRAINAGE SWALE/CULVERT UNDER RAMP.
- 2-18 REMOVE (E) SEWER CLEAN-OUT.
- 2-19 REMOVE (E) IRRIGATION CONTROL BOX.

SITE PLAN KEYNOTES

- EXISTING PAVING, NO NEW WORK.
- SAW CUT & REMOVE EXISTING ASPHALT PAVING.
- GRIND EXISTING ASPHALT AS REQUIRED FOR NEW OVERLAY, SEE CIVIL.
- SAW CUT & REMOVE EXISTING CONCRETE PAVING.
- SAW CUT & REMOVE EXISTING PAVING & TRUNCATED DOMES.

ENLARGED DEMO SITE PLANS - NORTHWEST OF BUILDING 600

SCALE: 3/16" = 1'-0"

DEMOLITION SITE PLAN LEGEND

REVISIONS	BY
△ ADDENDUM 01	R.S.

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SCOTT A. BAO
No. C-27546
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SHEET SIZE: ARCH E (30"X42")
PLOT DATE: 10/14/2026 - 4:27:23 PM

XREFS:
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\\Masters\ArtSite - Quail Valley MS (Add 01).dwg
\\Masters\ArtFloor Bldg 200 (Add 01).dwg

Z:\ENGINEERING\SJ21-01 QUAIL VALLEY MS MODERNIZATION\ARCH\A-7 ENLARGED NEW SITE PLANS (ADD 01).DWG

NOTE:
CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, TYP.

NOTE:
1. (E) IRRIGATION SYSTEM AT PLANTER AREAS TO REMAIN.
2. (N) 6" SLEEVES TO BE PROVIDED TO PLANTERS FOR FUTURE IRRIGATION.

NOTE:
FOR LAYOUT OF (N) AC UNITS IN THE MECHANICAL ENCLOSURES, SEE 2/A2.2

(E) BUILDING 200
A#56614

ENLARGED NEW SITE PLAN - NORTH OF BUILDING 200

SCALE: 3/16" = 1'-0"

29

NORTH

EXISTING

1-1 ASPHALT PAVING TO REMAIN.
1-2 CONCRETE PAVING TO REMAIN.
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1-15 UTILITY VAULT TO REMAIN, ADJUST TO FINISH GRADE AS REQUIRED TO PROVIDE FLUSH TRANSITION WITH PAVING WHERE OCCURS PER CIVIL DRAWINGS. △1
1-16 TRASH ENCLOSURE TO REMAIN, PROTECT IN PLACE.
1-17 C.M.U. BLOCK WALL WITH PARAPET COPING TO REMAIN, PROTECT IN PLACE. △1
1-18 CONCRETE BLOCK PLANTER TO REMAIN, PROTECT IN PLACE.
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1-28 SEWER CLEAN OUT, PROTECT IN PLACE.

NEW

3-1 ASPHALT FILL & SEAL COAT, SEE 6/AD-1
3-2 4" THICK ASPHALT PAVING, FLUSH W/ ADJACENT PAVING, SEE 4/AD-1 & 5/AD-1 △1
3-3 ASPHALT PAVING OVER A.B. FLUSH W/ ADJACENT PAVING.
3-4 4" THICK CONCRETE PAVING, SEE CIVIL DRAWINGS & 2/AD-1 & 3/AD-1 △1
3-5 6" CONCRETE CURB, SEE CIVIL DRAWINGS.
3-6 ACCESSIBLE CURB RAMP, SEE 20/AD-1
3-7 ACCESSIBLE DROP-OFF W/ CANE RAIL, SEE 24/AD-1
3-8 3'-0" DEEP BAND OF TRUNCATED DOMES, SEE 12/AD-1
3-9 STANDARD PARKING, SEE 16/AD-1
3-10 CROSSWALK STRIPING, SEE 18/AD-1
3-11 4" WIDE WHITE PAINT STRIPING W/ DIAGONAL STRIPES @ 36" O/C & 12" HIGH TEXT WHERE OCCURS.
3-12 PAINTED TRAFFIC ARROWS, SEE 13/AD-1
3-13 WHEEL STOP, SEE 22/AD-1
3-14 ACCESSIBLE PARKING SPACE SIGN, SEE 4/AD-1 OR 10/AD-1 AS NOTED ON PLANS.
3-15 TOW AWAY SIGN, SEE 9/AD-1
3-16 24" HIGH CANE RAIL, SEE 27/AD-1
3-17 24" HIGH METAL HANDRAILS EXTENSIONS @ RAMPS, SEE 20/AD-1 & 29/AD-1
3-18 6" PVC LANDSCAPE SLEEVE, SEE 14/AD-1 △1
3-19 DECOMPOSED GRANITE, SEE 5/A-13 △1
3-20 8" CONCRETE MASONRY BLOCK WALL, SEE 1/AD-2 △1
3-21 RELOCATED IRRIGATION CONTROL VALVE BOX. REROUTE (E) IRRIGATION, VALVES, ETC. AS REQUIRED.
3-22 RELOCATED ELECTRICAL BOX. ADJUST TO GRADE AS REQUIRED TO PROVIDE FLUSH TRANSITION WITH PAVING.

SITE PLAN KEYNOTES

EXISTING PAVING, NO NEW WORK.
NEW SEAL COAT OF EXISTING AND NEW ASPHALT PAVING. CRACK FILL AT EXISTING ASPHALT PAVING. △1
NEW ASPHALT/ ASPHALT OVERLAY AT EXISTING ASPHALT PAVING TO BE FLUSH WITH ADJACENT PAVING SURFACE.
NEW ASPHALT PAVING, SEE CIVIL FOR BASE AND THICKNESS.
NEW 4" THICK CONCRETE PAVING (MIN.) TO BE FLUSH WITH ADJACENT PAVING SURFACE.
NEW 3'-0" WIDE BAND OF TRUNCATED DOMES.

SITE PLAN LEGEND

NOTE:
1. COMPACT BASE TO 90% RELATIVE COMPACTION IN ALL AREAS TO RECEIVE (N) ASPHALT PAVING.
2. COMPACT BASE TO 95% RELATIVE COMPACTION IN ALL AREAS THAT HAVE BUS AND FIRE LANES.
3. COMPACT SOIL UNDER NEW CONCRETE PAVING TO 90% RELATIVE COMPACTION

REVISIONS	BY
△1 ADDENDUM 01	R.S.

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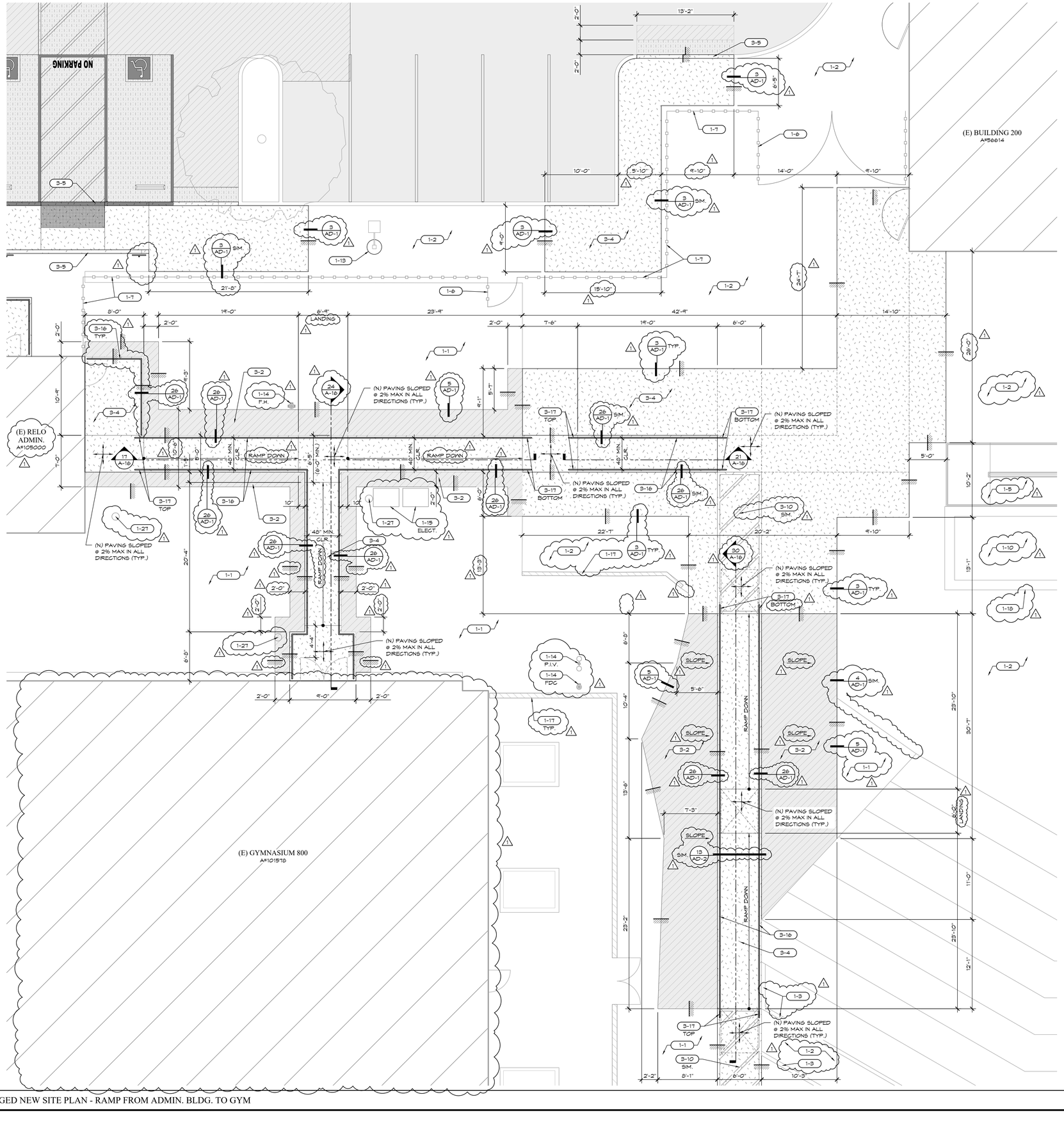

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SITE PLAN KEYNOTES

EXISTING PAVING, NO NEW WORK.
NEW SEAL COAT OF EXISTING AND NEW ASPHALT PAVING. CRACK FILL AT EXISTING ASPHALT PAVING.
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NOTE:
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3. COMPACT SOIL UNDER NEW CONCRETE PAVING TO 90% RELATIVE COMPACTION

NORTH

SITE PLAN LEGEND

ENLARGED NEW SITE PLAN - RAMP FROM ADMIN. BLDG. TO GYM

SCALE: 3/16" = 1'-0"

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...\Masters\Xrefs - Bldg 200 (Add 01).dwg

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SHEET SIZE: ARCH E (30"X42")
PLOT DATE: 01/16/2026 3:24:56 PM

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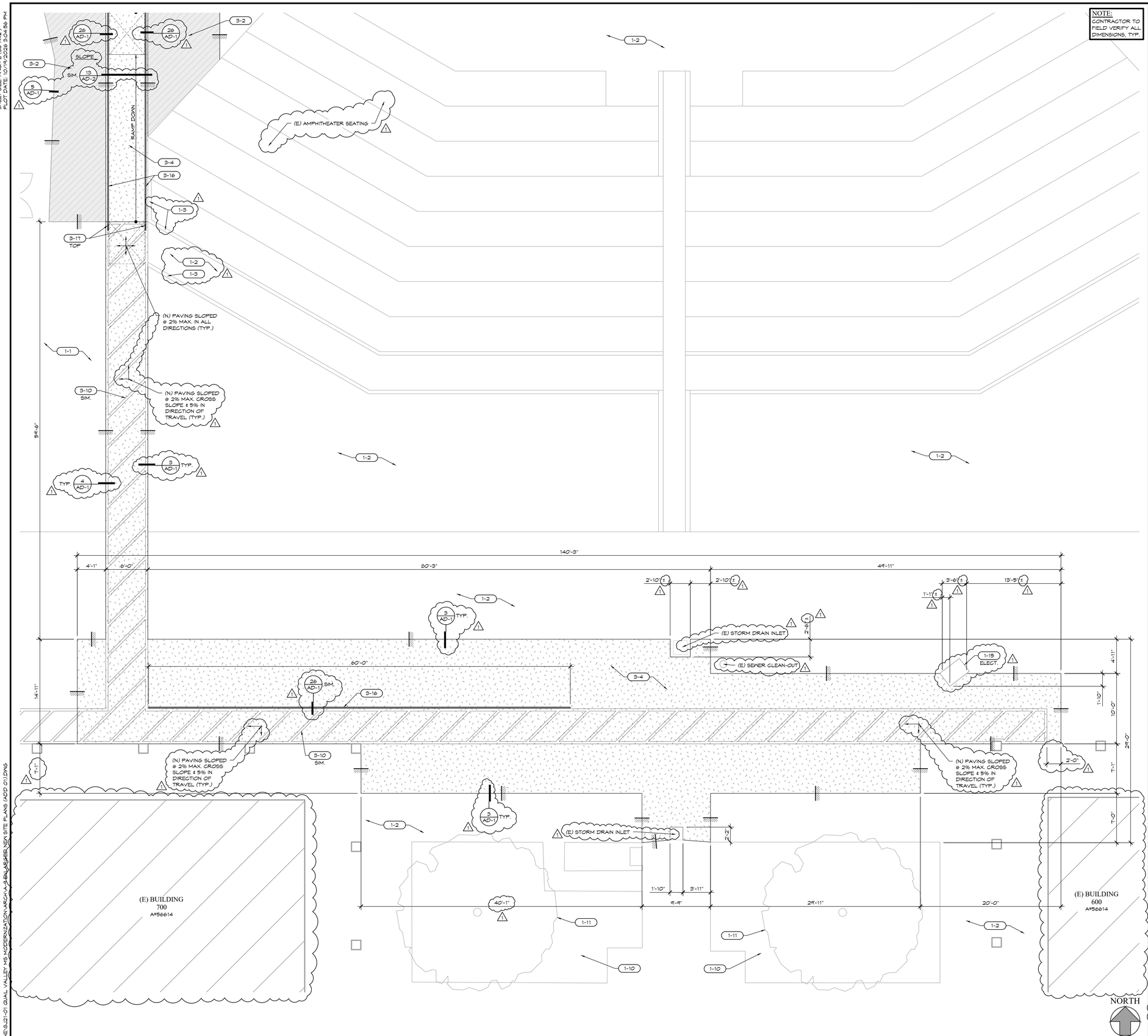
\\Masters\xmTite - Quail Valley MS (Add 01).dwg
\\Masters\xmFloor Bldg 200 (Add 01).dwg



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NEW ASPHALT PAVING, SEE CIVIL FOR BASE AND THICKNESS.
NEW 4" THICK CONCRETE PAVING (MIN.) TO BE FLUSH WITH ADJACENT PAVING SURFACE.
NEW 3'-0" WIDE BAND OF TRUNCATED DOMES.

NOTE:
1. COMPACT BASE TO 90% RELATIVE COMPACTION IN ALL AREAS TO RECEIVE (N) ASPHALT PAVING.
2. COMPACT BASE TO 95% RELATIVE COMPACTION IN ALL AREAS THAT HAVE BUS AND FIRE LANES.
3. COMPACT SOIL UNDER NEW CONCRETE PAVING TO 90% RELATIVE COMPACTION

SITE PLAN LEGEND

ENLARGED NEW SITE PLAN - SOUTH ADA PARKING & RAMP @ ADMIN. BLDG.

SCALE: 3/16" = 1'-0"

18

REVISIONS	BY
1 ADDENDUM 01	R.S.

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(760) 240-6211 ▪ www.ffj-arch.com
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ENGINEER

ARCHITECT

LICENSED ARCHITECT — RICHARD A. SAST — REG. NO. C-27546 — REN. 6-2027 — STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: ENLARGED NEW SITE PLANS

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET: A-9

ADDENDUM 1, EXHIBIT "B"

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SHEET SIZE: ARCH E (30"X42")
PLOT DATE: 10/14/2026 4:57:01 PM

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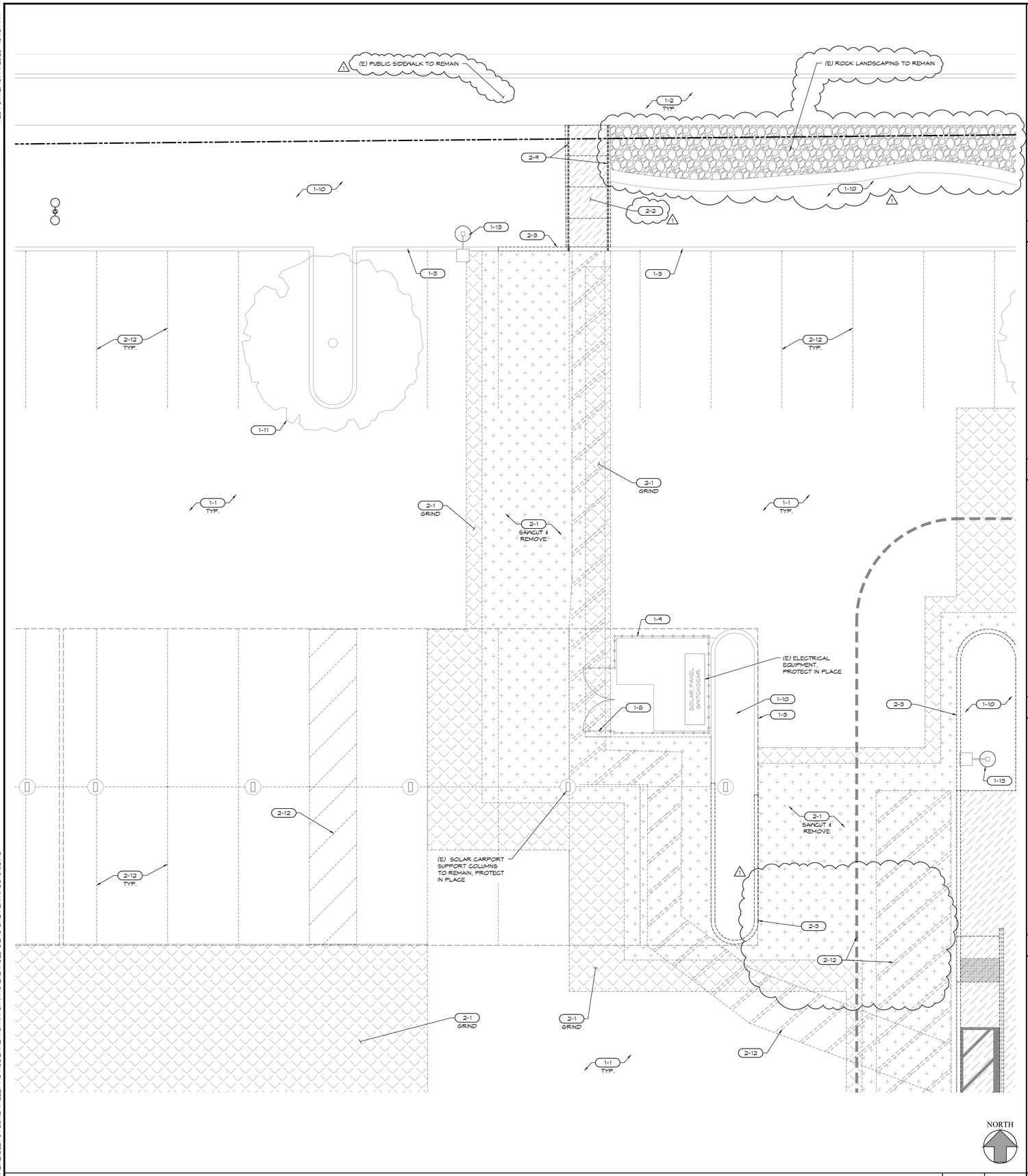

ENLARGED DEMO SITE PLAN - PARKING LOT NORTHWEST OF BUILDING 200

SCALE: 3/16" = 1'-0"

28

5

11

17

23

29

EXISTING

1-1 ASPHALT PAVING TO REMAIN.
1-2 CONCRETE PAVING TO REMAIN.
1-3 CONCRETE CURB TO REMAIN.
1-4 CONCRETE SWALE TO REMAIN.
1-5 CONCRETE RAMP TO REMAIN.
1-6 TUBE STEEL GATE TO REMAIN.
1-7 TUBE STEEL FENCING TO REMAIN.
1-8 CHAIN LINK GATE TO REMAIN.
1-9 CHAIN LINK FENCING TO REMAIN.
1-10 PLANTER AREA TO REMAIN.
1-11 TREE TO REMAIN, PROTECT IN PLACE.
1-12 SIGN TO REMAIN, PROTECT IN PLACE.
1-13 LIGHT STANDARD TO REMAIN, PROTECT IN PLACE.
1-14 FIRE HYDRANT (FDC OR P.I.V.) TO REMAIN, PROTECT IN PLACE. 1
1-15 UTILITY VAULT TO REMAIN, ADJUST TO FINISH GRADE AS REQUIRED TO PROVIDE FLUSH TRANSITION WITH PAVING WHERE OCCURS PER CIVIL DRAWINGS. 1
1-16 TRASH ENCLOSURE TO REMAIN, PROTECT IN PLACE.
1-17 C.M.U. BLOCK WALL WITH PARAPET COPING TO REMAIN, PROTECT IN PLACE. 1
1-18 CONCRETE BLOCK PLANTER TO REMAIN, PROTECT IN PLACE.
1-19 GAS METER TO REMAIN, PROTECT IN PLACE.
1-20 DIRT TO REMAIN, PROTECT IN PLACE.
1-21 HANDRAILS TO REMAIN, PROTECT IN PLACE.
1-22 CULVERT TO REMAIN, PROTECT IN PLACE.
1-23 ELECTRICAL EQUIPMENT TO REMAIN, PROTECT IN PLACE.
1-24 CONCRETE CURB-CUT TO REMAIN, PROTECT IN PLACE.
1-25 TRUNCATED DOMES TO REMAIN, PROTECT IN PLACE.
1-26 STEEL DOORS TO REMAIN, PROTECT IN PLACE.
1-27 WATER VALVE TO REMAIN, PROTECT IN PLACE.
1-28 SEWER CLEAN OUT, PROTECT IN PLACE.

DEMOLITION

2-1 (E) ASPHALT PAVING, GRIND AS REQUIRED, SEE ENLARGED SITE PLANS.
2-2 SAWCUT & REMOVE (E) CONCRETE PAVING.
2-3 SAWCUT & REMOVE (E) CONCRETE CURB.
2-4 SAWCUT & REMOVE (E) CONCRETE RAMP.
2-5 DEMO & REMOVE (E) ACCESSIBLE DROP-OFF COMPLETE.
2-6 SAWCUT & REMOVE (E) CONCRETE STEPS/STAIRS.
2-7 SAWCUT & REMOVE (E) 9'-6" HIGH C.M.U. WALLS, FOOTING & PARAPET COPING. 1
2-8 REMOVE (E) TRUNCATED DOMES.
2-9 REMOVE (E) METAL RAILING.
2-10 (E) WHEEL STOP TO BE REMOVED.
2-11 (E) SIGN, POST & FOOTING TO BE REMOVED.
2-12 BLANK OUT (E) STRIPING.
2-13 SAWCUT & REMOVE (E) ASPHALT PAVING, SEE ENLARGED SITE PLANS & CIVIL DRAWINGS.
2-14 SAWCUT & REMOVE (E) CONCRETE CURB-CUT.
2-15 REMOVE (E) IN-GRADE ARCHITECTURAL LIGHTING FIXTURES.
2-16 REMOVE (E) PLANTER AREA.
2-17 REMOVE (E) DRAINAGE SWALE/CULVERT UNDER RAMP.
2-18 REMOVE (E) SEWER CLEAN-OUT.
2-19 REMOVE (E) IRRIGATION CONTROL BOX. 1

SITE PLAN KEYNOTES 1

SITE PLAN LEGEND

EXISTING PAVING, NO NEW WORK.
SAW CUT & REMOVE EXISTING ASPHALT PAVING.
GRIND EXISTING ASPHALT AS REQUIRED FOR NEW OVERLAY, SEE CIVIL.
SAW CUT & REMOVE EXISTING CONCRETE PAVING.
SAW CUT & REMOVE EXISTING PAVING & TRUNCATED DOMES.

REVISIONS	BY
1 ADDENDUM 01	R.S.

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ENGINEER

ARCHITECT

LICENSED ARCHITECT
BARRY A. SMITH
LIC. NO. C-37546
REN. 6-2027
STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SHOUTLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
ENLARGED DEMO SITE PLAN

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET:
A-10

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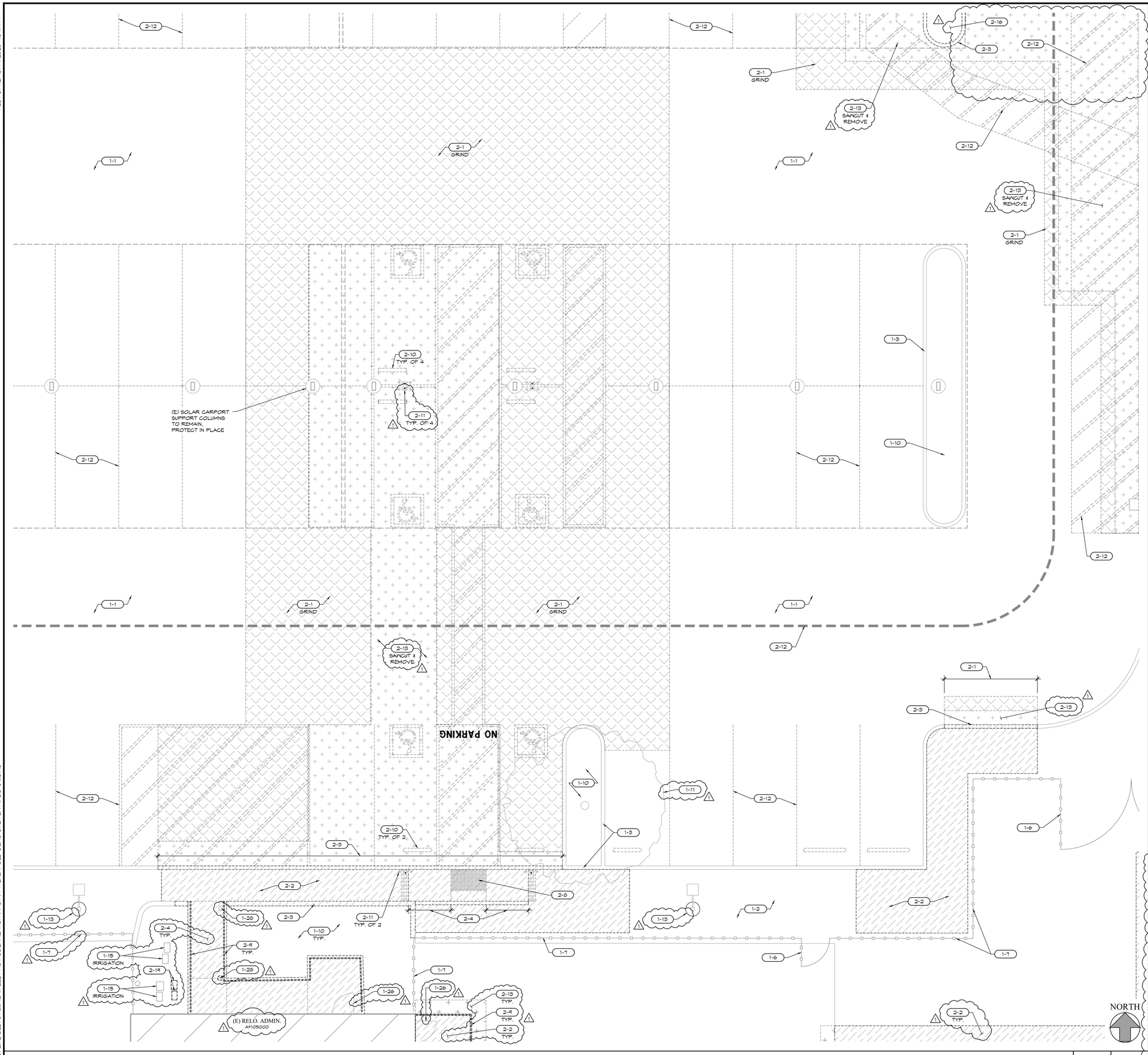

EXISTING

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- 1-2 CONCRETE PAVING TO REMAIN.
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- 1-13 LIGHT STANDARD TO REMAIN, PROTECT IN PLACE.
- 1-14 FIRE HYDRANT (FDC OR P.I.V.) TO REMAIN, PROTECT IN PLACE. ⚠1
- 1-15 UTILITY VAULT TO REMAIN, ADJUST TO FINISH GRADE AS REQUIRED TO PROVIDE FLUSH TRANSITION WITH PAVING WHERE OCCURS PER CIVIL DRAWINGS. ⚠1
- 1-16 TRASH ENCLOSURE TO REMAIN, PROTECT IN PLACE.
- 1-17 C.M.U. BLOCK WALL WITH PARAPET COPING TO REMAIN, PROTECT IN PLACE. ⚠1
- 1-18 CONCRETE BLOCK PLANTER TO REMAIN, PROTECT IN PLACE.
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- 1-21 HANDRAILS TO REMAIN, PROTECT IN PLACE.
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- 1-27 WATER VALVE TO REMAIN, PROTECT IN PLACE.
- 1-28 SEWER CLEAN OUT, PROTECT IN PLACE.

DEMOLITION

- 2-1 (E) ASPHALT PAVING, GRIND AS REQUIRED, SEE ENLARGED SITE PLANS.
- 2-2 SAWCUT & REMOVE (E) CONCRETE PAVING.
- 2-3 SAWCUT & REMOVE (E) CONCRETE CURB.
- 2-4 SAWCUT & REMOVE (E) CONCRETE RAMP.
- 2-5 DEMO & REMOVE (E) ACCESSIBLE DROP-OFF COMPLETE.
- 2-6 SAWCUT & REMOVE (E) CONCRETE STEPS/STAIRS.
- 2-7 SAWCUT & REMOVE (E) 9'-6" HIGH C.M.U. WALLS, FOOTING & PARAPET COPING. ⚠1
- 2-8 REMOVE (E) TRUNCATED DOMES.
- 2-9 REMOVE (E) METAL RAILING.
- 2-10 (E) WHEEL STOP TO BE REMOVED.
- 2-11 (E) SIGN, POST & FOOTING TO BE REMOVED.
- 2-12 BLANK OUT (E) STRIPING.
- 2-13 SAWCUT & REMOVE (E) ASPHALT PAVING, SEE ENLARGED SITE PLANS & CIVIL DRAWINGS.
- 2-14 SAWCUT & REMOVE (E) CONCRETE CURB-CUT.
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- 2-18 REMOVE (E) SEWER CLEAN-OUT.
- 2-19 REMOVE (E) IRRIGATION CONTROL BOX. ⚠1

SITE PLAN KEYNOTES ⚠1

- EXISTING PAVING, NO NEW WORK.
- SAW CUT & REMOVE EXISTING ASPHALT PAVING.
- GRIND EXISTING ASPHALT AS REQUIRED FOR NEW OVERLAY, SEE CIVIL.
- SAW CUT & REMOVE EXISTING CONCRETE PAVING.
- SAW CUT & REMOVE EXISTING PAVING & TRUNCATED DOMES.

REVISIONS	BY
⚠1 ADDENDUM 01	R.S.

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LICENSED ARCHITECT — BARRY A. FRICK — RENEWAL 08/31/2027 — No. C-27546 — REN. 6-2021 — STATE OF CALIFORNIA

PROJECT: SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: ENLARGED DEMO SITE PLAN

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET: A-11

ENLARGED DEMO SITE PLAN - PARKING LOT NORTH OF ADMINISTRATION BUILDING

SCALE: 3/16" = 1'-0"

29

SITE PLAN LEGEND

ADDENDUM 1, EXHIBIT "B"

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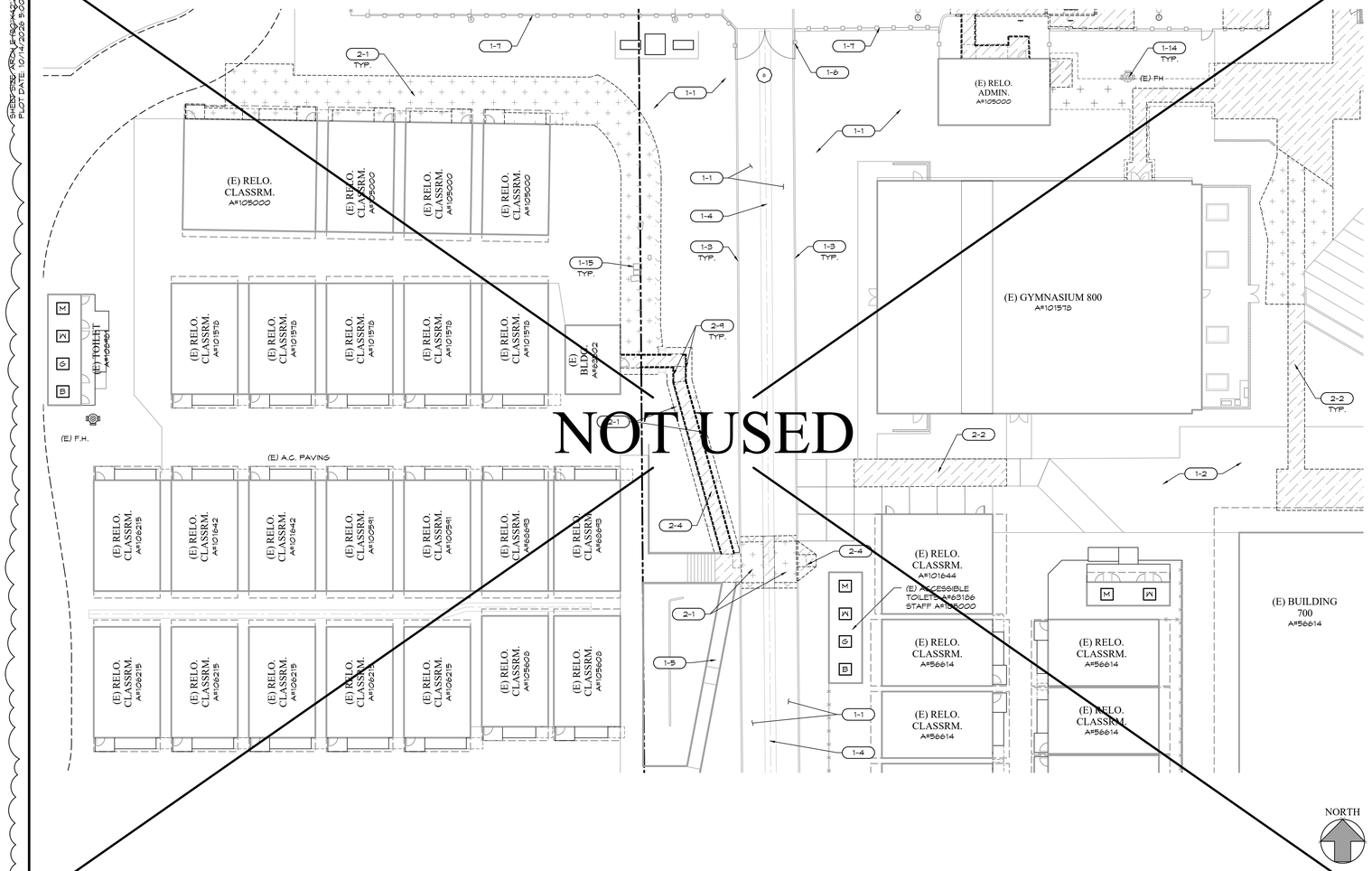

ENLARGED DEMO SITE PLAN - EAST OF BUILDING 800

SCALE: 1" = 20'

EXISTING

1-1 ASPHALT PAVING TO REMAIN.
1-2 CONCRETE PAVING TO REMAIN.
1-3 CONCRETE CURB TO REMAIN.
1-4 CONCRETE SWALE TO REMAIN.
1-5 CONCRETE RAMP TO REMAIN.
1-6 TUBE STEEL GATE TO REMAIN.
1-7 TUBE STEEL FENCING TO REMAIN.
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1-15 UTILITY VAULT TO REMAIN, PROTECT IN PLACE.
1-16 TRASH ENCLOSURE TO REMAIN, PROTECT IN PLACE.
1-17 CONCRETE BLOCK WALL, PROTECT IN PLACE.
1-18 CONCRETE BLOCK PLANTER TO REMAIN, PROTECT IN PLACE.
1-19 GAS METER TO REMAIN, PROTECT IN PLACE.

DEMOLITION

2-1 SAWCUT & REMOVE (E) ASPHALT PAVING, GRIND AS REQUIRED, SEE ENLARGED SITE PLANS & CIVIL DRAWINGS.
2-2 SAWCUT & REMOVE (E) CONCRETE PAVING.
2-3 SAWCUT & REMOVE (E) CONCRETE CURB.
2-4 SAWCUT & REMOVE (E) CONCRETE RAMP.
2-5 DEMO & REMOVE (E) ACCESSIBLE DROP-OFF.
2-6 SAWCUT & REMOVE (E) CONCRETE STEPS/STAIRS.
2-7 SAWCUT & REMOVE (E) CONCRETE WALLS.
2-8 REMOVE (E) TRUNCATED DOMES.
2-9 REMOVE (E) METAL RAILING.
2-10 (E) WHEEL STOP TO BE REMOVED.
2-11 (E) SIGN POST & FOOTING TO BE REMOVED.
2-12 BLANK OUT (E) STRIPING

SITE PLAN KEYNOTES

NOT USED

REVISIONS	BY
1 ADDENDUM 01	R.S.

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ENGINEER

ARCHITECT

LICENSED ARCHITECT — SCOTT A. BAGLEY — NO. C-37546 — REN. 6-2027 — STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: ENLARGED DEMO SITE PLAN

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET: A-12

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SHEET SET: ARCH

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SHEET SIZE: ARCH E (30"X42")
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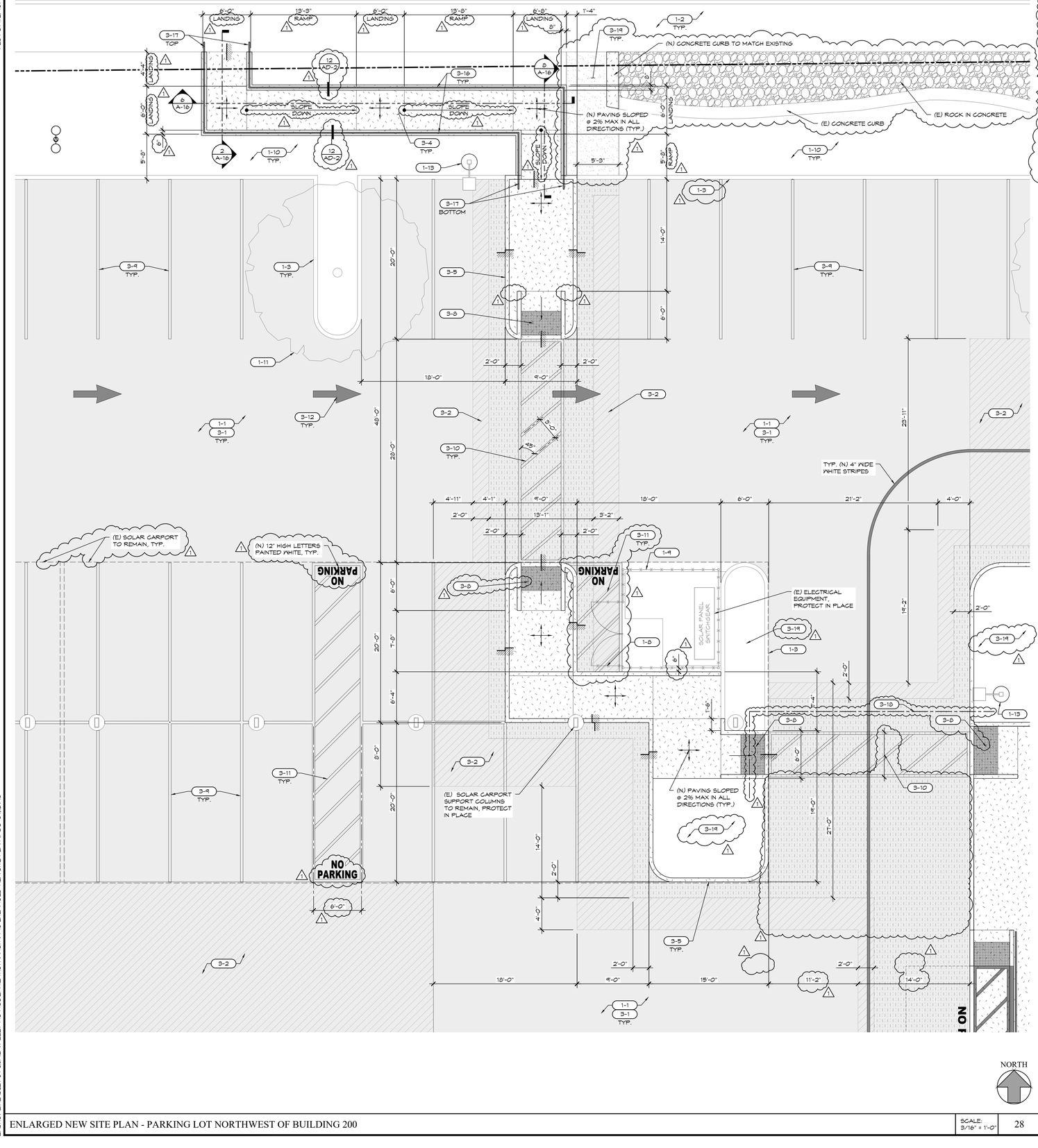

ENLARGED NEW SITE PLAN - PARKING LOT NORTHWEST OF BUILDING 200 | SCALE: 3/16" = 1'-0" | 28

NOTE:
PLACE A 3" 'HONEYDEW' DECOMPOSED GRANITE LAYER OVER WEED BARRIER FABRIC IN ALL PLANTING AREAS. COLOR TO BE SELECTED FROM FULL RANGE OF COLORS. (2" DEEP AFTER COMPACTION, METTING, & ROLLING OR TAMPING) AVAILABLE FROM DECORATIVE STONE SOLUTIONS (800) 698-1870, CONTACT: RANDY JURGENSEN. PROVIDE COLOR SAMPLES TO SCHOOL REPRESENTATIVE AND VERIFY COLOR PRIOR TO ORDERING.

DECOMPOSED GRANITE | | 5

| | | 11

| | | 17

| | | 23 | SITE PLAN KEYNOTES

EXISTING

1-1 ASPHALT PAVING TO REMAIN.
1-2 CONCRETE PAVING TO REMAIN.
1-3 CONCRETE CURB TO REMAIN.
1-4 CONCRETE SWALE TO REMAIN.
1-5 CONCRETE RAMP TO REMAIN.
1-6 TUBE STEEL GATE TO REMAIN.
1-7 TUBE STEEL FENCING TO REMAIN.
1-8 CHAIN LINK GATE TO REMAIN.
1-9 CHAIN LINK FENCING TO REMAIN.
1-10 PLANTER AREA TO REMAIN.
1-11 TREE TO REMAIN, PROTECT IN PLACE.
1-12 SIGN TO REMAIN, PROTECT IN PLACE.
1-13 LIGHT STANDARD TO REMAIN, PROTECT IN PLACE.
1-14 FIRE HYDRANT (FDC OR P.I.V.) TO REMAIN, PROTECT IN PLACE. △1
1-15 UTILITY VAULT TO REMAIN, ADJUST TO FINISH GRADE AS REQUIRED TO PROVIDE FLUSH TRANSITION WITH PAVING WHERE OCCURS PER CIVIL DRAWINGS. △1
1-16 TRASH ENCLOSURE TO REMAIN, PROTECT IN PLACE.
1-17 C.M.U. BLOCK WALL WITH PARAPET COPING TO REMAIN, PROTECT IN PLACE. △1
1-18 CONCRETE BLOCK PLANTER TO REMAIN, PROTECT IN PLACE.
1-19 GAS METER TO REMAIN, PROTECT IN PLACE.
1-20 DIRT TO REMAIN, PROTECT IN PLACE.
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1-23 ELECTRICAL EQUIPMENT TO REMAIN, PROTECT IN PLACE.
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1-25 TRUNCATED DOMES TO REMAIN, PROTECT IN PLACE.
1-26 STEEL DOORS TO REMAIN, PROTECT IN PLACE.
1-27 WATER VALVE TO REMAIN, PROTECT IN PLACE.
1-28 SEWER CLEAN OUT, PROTECT IN PLACE.

NEW

3-1 ASPHALT FILL & SEAL COAT, SEE 6/AD-1
3-2 4" THICK ASPHALT PAVING, FLUSH W/ ADJACENT PAVING, SEE 4/AD-1 5/AD-1 △1
3-3 ASPHALT PAVING OVER A.B. FLUSH W/ ADJACENT PAVING.
3-4 4" THICK CONCRETE PAVING, SEE CIVIL DRAWINGS 2/AD-1 3/AD-1 △1
3-5 6" CONCRETE CURB, SEE CIVIL DRAWINGS.
3-6 ACCESSIBLE CURB RAMP, SEE 20/AD-1
3-7 ACCESSIBLE DROP-OFF W/ CANE RAIL, SEE 24/AD-1
3-8 3'-0" DEEP BAND OF TRUNCATED DOMES, SEE 12/AD-1
3-9 STANDARD PARKING, SEE 16/AD-1
3-10 CROSSWALK STRIPING, SEE 18/AD-1
3-11 4" WIDE WHITE PAINT STRIPING W/ DIAGONAL STRIPES @ 36" O/C & 12" HIGH TEXT WHERE OCCURS.
3-12 PAINTED TRAFFIC ARROWS, SEE 13/AD-1
3-13 WHEEL STOP, SEE 22/AD-1
3-14 ACCESSIBLE PARKING SPACE SIGN, SEE 9/AD-1 OR 10/AD-1 AS NOTED ON PLANS.
3-15 TOW AWAY SIGN, SEE 8/AD-1
3-16 34" HIGH CANE RAIL, SEE 27/AD-1
3-17 34" HIGH METAL HANDRAILS EXTENSIONS @ RAMPS, SEE 20/AD-1 24/AD-1
3-18 6" PVC LANDSCAPE SLEEVE, SEE 14/AD-1
3-19 DECOMPOSED GRANITE, SEE 5/A-13
3-20 8" CONCRETE MASONRY BLOCK WALL, SEE 1/AD-2
3-21 RELOCATED IRRIGATION CONTROL VALVE BOX. REROUTE (E) IRRIGATION, VALVES, ETC. AS REQUIRED. △1
3-22 RELOCATED ELECTRICAL BOX. ADJUST TO GRADE AS REQUIRED TO PROVIDE FLUSH TRANSITION WITH PAVING.

| | | 29 | SITE PLAN LEGEND

EXISTING PAVING, NO NEW WORK. △1
NEW SEAL COAT OF EXISTING AND NEW ASPHALT PAVING. CRACK FILL AT EXISTING ASPHALT PAVING.
NEW ASPHALT/ ASPHALT OVERLAY AT EXISTING ASPHALT PAVING TO BE FLUSH WITH ADJACENT PAVING SURFACE.
NEW ASPHALT PAVING, SEE CIVIL FOR BASE AND THICKNESS.
NEW 4" THICK CONCRETE PAVING (MIN.) TO BE FLUSH WITH ADJACENT PAVING SURFACE.
NEW 3'-0" WIDE BAND OF TRUNCATED DOMES.

NOTE:
1. COMPACT BASE TO 90% RELATIVE COMPACTION IN ALL AREAS TO RECEIVE (N) ASPHALT PAVING.
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3. COMPACT SOIL UNDER NEW CONCRETE PAVING TO 90% RELATIVE COMPACTION △1

REVISIONS	BY
△1 ADDENDUM 01	R.S.

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Architecture ▪ Planning ▪ Landscape Architecture

ENGINEER

ARCHITECT
LICENSED ARCHITECT
Robert C. Bass IV
No. C-27546
Ren. 6-2027
STATE OF CALIFORNIA

PROJECT: SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: ENLARGED NEW SITE PLAN

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET: A-13

ADDENDUM 1, EXHIBIT "B"

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\\Masters\ARef - Quail Valley MS Add 01).dwg
\\Masters\ARef - Quail Valley MS Add 01).dwg
\\Masters\ARef - Bldg 200 (Add 01).dwg

Z:\SNOWLINE\SJ21-01 QUAIL VALLEY MS MODERNIZATION\ARCH\A-13 ENLARGED NEW SITE PLAN (ADD 01).DWG

SHEET SIZE: ARCH E (30"X42")
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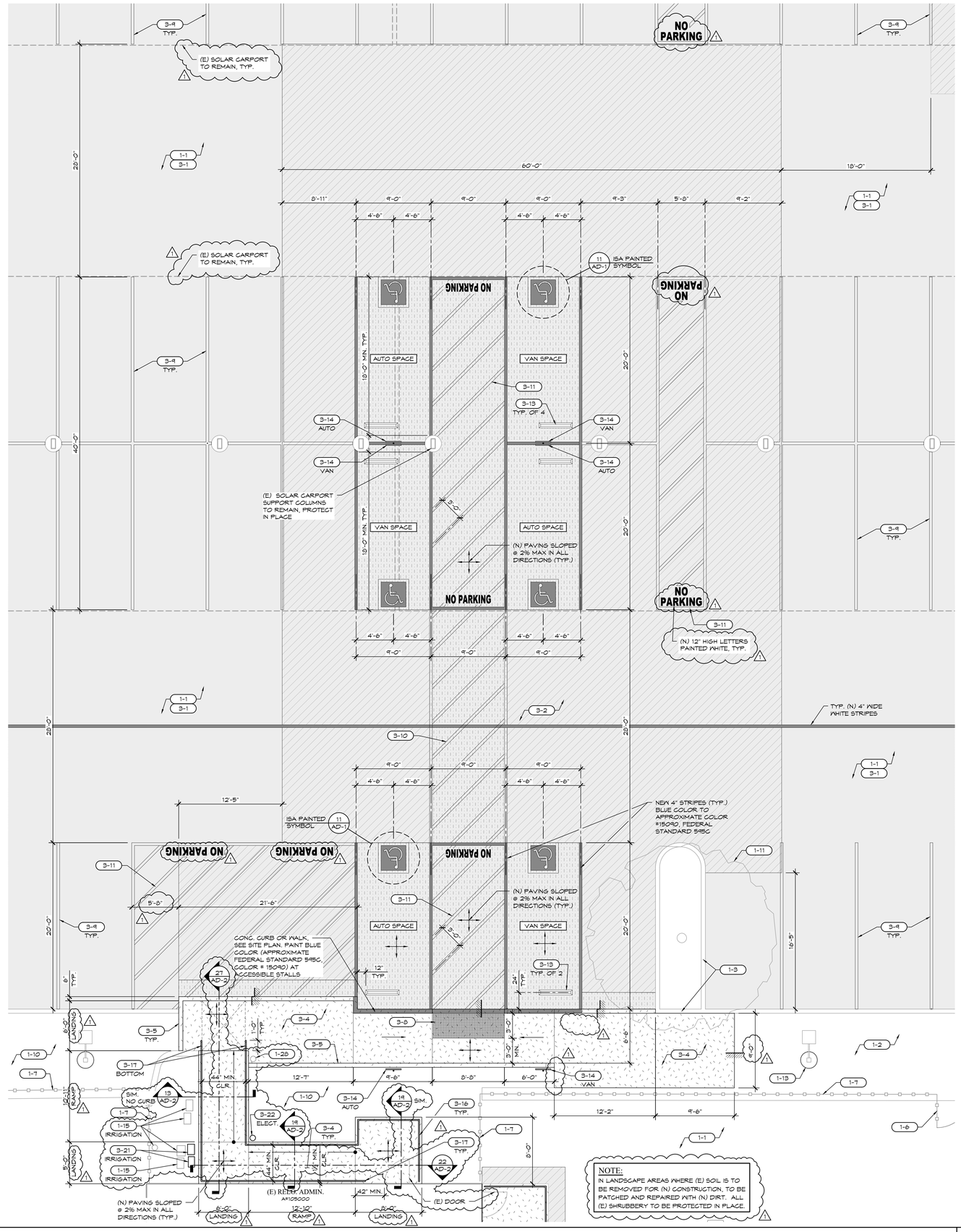

NOTE:
CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, TYP.

NORTH

ENLARGED NEW SITE PLAN - PARKING LOT NORTH OF ADMINISTRATION BUILDING

SCALE: 3/16" = 1'-0"

Z:\SNOWLINE\SJ21-01 QUAIL VALLEY MS MODERNIZATION\ARCH\A-14 ENLARGED NEW SITE PLAN (ADD 01).DWG

5

11

17

23 SITE PLAN KEYNOTES

21

29 SITE PLAN LEGEND

EXISTING

1-1 ASPHALT PAVING TO REMAIN.
1-2 CONCRETE PAVING TO REMAIN.
1-3 CONCRETE CURB TO REMAIN.
1-4 CONCRETE SWALE TO REMAIN.
1-5 CONCRETE RAMP TO REMAIN.
1-6 TUBE STEEL GATE TO REMAIN.
1-7 TUBE STEEL FENCING TO REMAIN.
1-8 CHAIN LINK GATE TO REMAIN.
1-9 CHAIN LINK FENCING TO REMAIN.
1-10 PLANTER AREA TO REMAIN.
1-11 TREE TO REMAIN, PROTECT IN PLACE.
1-12 SIGN TO REMAIN, PROTECT IN PLACE.
1-13 LIGHT STANDARD TO REMAIN, PROTECT IN PLACE.
1-14 FIRE HYDRANT (FDC OR P.I.V.) TO REMAIN, PROTECT IN PLACE.
1-15 UTILITY VAULT TO REMAIN, ADJUST TO FINISH GRADE AS REQUIRED TO PROVIDE FLUSH TRANSITION WITH PAVING WHERE OCCURS PER CIVIL DRAWINGS.
1-16 TRASH ENCLOSURE TO REMAIN, PROTECT IN PLACE.
1-17 C.M.U. BLOCK WALL WITH PARAPET COPING TO REMAIN, PROTECT IN PLACE.
1-18 CONCRETE BLOCK PLANTER TO REMAIN, PROTECT IN PLACE.
1-19 GAS METER TO REMAIN, PROTECT IN PLACE.
1-20 DIRT TO REMAIN, PROTECT IN PLACE.
1-21 HANDRAILS TO REMAIN, PROTECT IN PLACE.
1-22 CULVERT TO REMAIN, PROTECT IN PLACE.
1-23 ELECTRICAL EQUIPMENT TO REMAIN, PROTECT IN PLACE.
1-24 CONCRETE CURB-CUT TO REMAIN, PROTECT IN PLACE.
1-25 TRUNCATED DOMES TO REMAIN, PROTECT IN PLACE.
1-26 STEEL DOORS TO REMAIN, PROTECT IN PLACE.
1-27 WATER VALVE TO REMAIN, PROTECT IN PLACE.
1-28 SEWER CLEAN OUT, PROTECT IN PLACE.

NEW

3-1 ASPHALT FILL & SEAL COAT, SEE 6 AD-1
3-2 4" THICK ASPHALT PAVING, FLUSH W/ ADJACENT PAVING, SEE 4 AD-1 5 AD-1
3-3 ASPHALT PAVING OVER A.B. FLUSH W/ ADJACENT PAVING.
3-4 4" THICK CONCRETE PAVING, SEE CIVIL DRAWINGS
3-5 6" CONCRETE CURB, SEE CIVIL DRAWINGS.
3-6 ACCESSIBLE CURB RAMP, SEE 20 AD-1
3-7 ACCESSIBLE DROP-OFF W/ CANE RAIL, SEE 24 AD-1
3-8 3'-0" DEEP BAND OF TRUNCATED DOMES, SEE 12 AD-1
3-9 STANDARD PARKING, SEE 16 AD-1
3-10 CROSSWALK STRIPING, SEE 15 AD-1
3-11 4" WIDE WHITE PAINT STRIPING W/ DIAGONAL STRIPES @ 36" O/C & 12" HIGH TEXT WHERE OCCURS.
3-12 PAINTED TRAFFIC ARROWS, SEE 19 AD-1
3-13 WHEEL STOP, SEE 22 AD-1
3-14 ACCESSIBLE PARKING SPACE SIGN, SEE 9 AD-1 OR 10 AD-1 AS NOTED ON PLANS.
3-15 TOW AWAY SIGN, SEE 5 AD-1
3-16 34" HIGH CANE RAIL, SEE 27 AD-1
3-17 34" HIGH METAL HANDRAILS EXTENSIONS @ RAMPS, SEE 20 AD-1 29 AD-1
3-18 6" PVC LANDSCAPE SLEEVE, SEE 14 AD-1
3-19 DECOMPOSED GRANITE, SEE 5 A-13
3-20 8" CONCRETE MASONRY BLOCK WALL, SEE 1 AD-2
3-21 RELOCATED IRRIGATION CONTROL VALVE BOX. REROUTE (E) IRRIGATION, VALVES, ETC. AS REQUIRED.
3-22 RELOCATED ELECTRICAL BOX. ADJUST TO GRADE AS REQUIRED TO PROVIDE FLUSH TRANSITION WITH PAVING.

EXISTING PAVING, NO NEW WORK.
NEW SEAL COAT OF EXISTING AND NEW ASPHALT PAVING. CRACK FILL AT EXISTING ASPHALT PAVING.
NEW ASPHALT/ ASPHALT OVERLAY AT EXISTING ASPHALT PAVING TO BE FLUSH WITH ADJACENT PAVING SURFACE.
NEW ASPHALT PAVING, SEE CIVIL FOR BASE AND THICKNESS.
NEW 4" THICK CONCRETE PAVING (MIN.) TO BE FLUSH WITH ADJACENT PAVING SURFACE.
NEW 3'-0" WIDE BAND OF TRUNCATED DOMES.

NOTE:
1. COMPACT BASE TO 90% RELATIVE COMPACTION IN ALL AREAS TO RECEIVE (N) ASPHALT PAVING.
2. COMPACT BASE TO 95% RELATIVE COMPACTION IN ALL AREAS THAT HAVE BUS AND FIRE LANES.
3. COMPACT SOIL UNDER NEW CONCRETE PAVING TO 90% RELATIVE COMPACTION

REVISIONS	BY
1 ADDENDUM 01	R.S.

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ENGINEER

ARCHITECT

LICENSED ARCHITECT BARRY A. JETTÉ LIC. C-37546 REN. 6-2027 STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
ENLARGED NEW SITE PLAN

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET:
A-14

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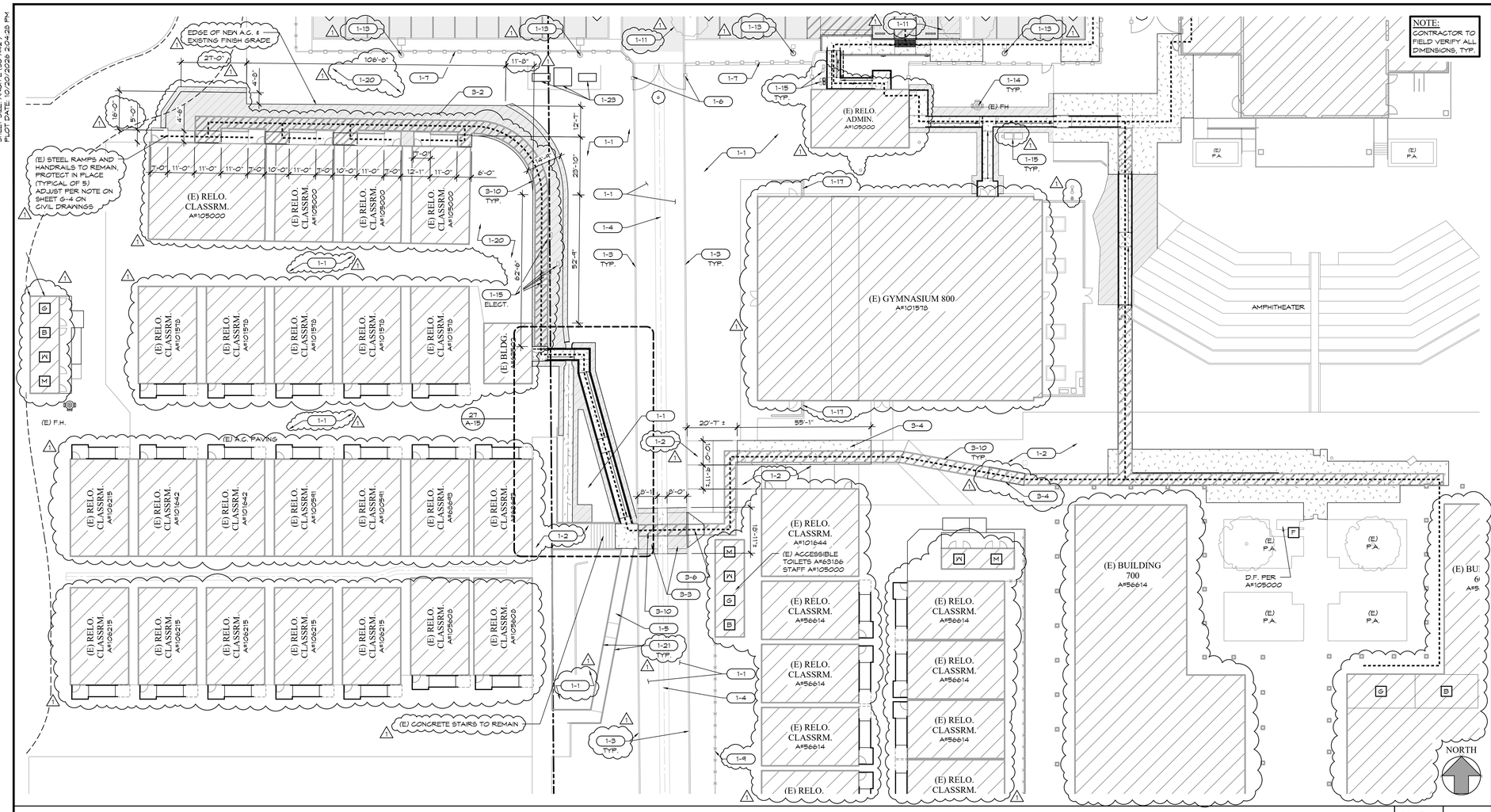
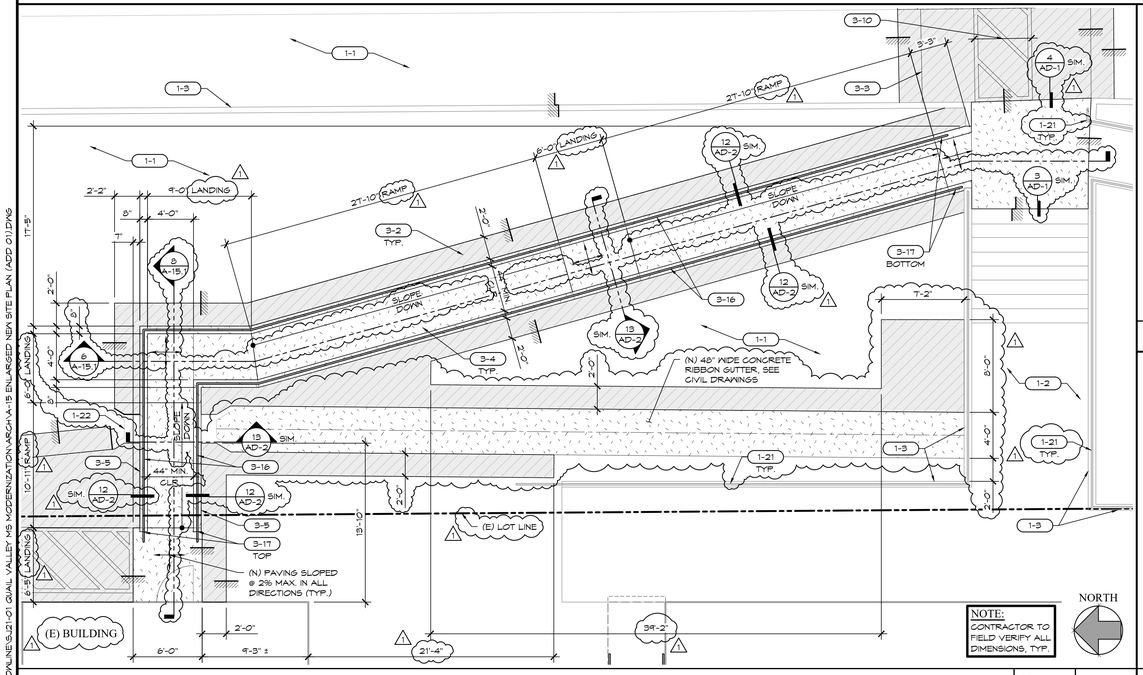


ENLARGED NEW SITE PLAN - EAST OF BUILDING 800 — SCALE: 1" = 20' — 17



ENLARGED SITE PLAN AT RAMP — SCALE: 3/16" = 1'-0" — 27

22 — 23

SITE PLAN KEYNOTES

EXISTING

1-1 ASPHALT PAVING TO REMAIN.
1-2 CONCRETE PAVING TO REMAIN.
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1-16 TRASH ENCLOSURE TO REMAIN, PROTECT IN PLACE.
1-17 C.M.U. BLOCK WALL WITH PARAPET COPING TO REMAIN, PROTECT IN PLACE. △1
1-18 CONCRETE BLOCK PLANTER TO REMAIN, PROTECT IN PLACE.
1-19 GAS METER TO REMAIN, PROTECT IN PLACE.
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1-27 WATER VALVE TO REMAIN, PROTECT IN PLACE.
1-28 SEWER CLEAN OUT, PROTECT IN PLACE.

NEW

3-1 ASPHALT FILL & SEAL COAT, SEE 6/AD-1
3-2 4" THICK ASPHALT PAVING, FLUSH W/ ADJACENT PAVING, SEE 4/AD-1, 5/AD-1 △1
3-3 ASPHALT PAVING OVER A.B. FLUSH W/ ADJACENT PAVING.
3-4 4" THICK CONCRETE PAVING, SEE CIVIL DRAWINGS 2/AD-1, 3/AD-1 △1
3-5 6" CONCRETE CURB, SEE CIVIL DRAWINGS.
3-6 ACCESSIBLE CURB RAMP, SEE 20/AD-1
3-7 ACCESSIBLE DROP-OFF W/ CANE RAIL, SEE 24/AD-1
3-8 3'-0" DEEP BAND OF TRUNCATED DOMES, SEE 12/AD-1
3-9 STANDARD PARKING, SEE 16/AD-1
3-10 CROSSWALK STRIPING, SEE 18/AD-1
3-11 4" WIDE WHITE PAINT STRIPING W/ DIAGONAL STRIPES @ 36" O/C & 12" HIGH TEXT WHERE OCCURS.
3-12 PAINTED TRAFFIC ARROWS, SEE 13/AD-1
3-13 WHEEL STOP, SEE 22/AD-1
3-14 ACCESSIBLE PARKING SPACE SIGN, SEE 4/AD-1 OR 10/AD-1 AS NOTED ON PLANS.
3-15 TOW AWAY SIGN, SEE 8/AD-1
3-16 34" HIGH CANE RAIL, SEE 27/AD-1
3-17 34" HIGH METAL HANDRAILS EXTENSIONS @ RAMPS, SEE 20/AD-1 29/AD-1
3-18 6" PVC LANDSCAPE SLEEVE, SEE 14/AD-1 △1
3-19 DECOMPOSED GRANITE, SEE 5/A-15
3-20 8" CONCRETE MASONRY BLOCK WALL, SEE 1/AD-2
3-21 RELOCATED IRRIGATION CONTROL VALVE BOX. REROUTE (E) IRRIGATION, VALVES, ETC. AS REQUIRED.
3-22 RELOCATED ELECTRICAL BOX. ADJUST TO GRADE AS REQUIRED TO PROVIDE FLUSH TRANSITION WITH PAVING.

29

SITE PLAN LEGEND

EXISTING PAVING, NO NEW WORK.
NEW SEAL COAT OF EXISTING AND NEW ASPHALT PAVING. CRACK FILL AT EXISTING ASPHALT PAVING. △1
NEW ASPHALT/ ASPHALT OVERLAY AT EXISTING ASPHALT PAVING TO BE FLUSH WITH ADJACENT PAVING SURFACE.
NEW ASPHALT PAVING, SEE CIVIL FOR BASE AND THICKNESS.
NEW 4" THICK CONCRETE PAVING (MIN.) TO BE FLUSH WITH ADJACENT PAVING SURFACE.
NEW 3'-0" WIDE BAND OF TRUNCATED DOMES.

NOTE:
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3. COMPACT SOIL UNDER NEW CONCRETE PAVING TO 90% RELATIVE COMPACTION △1

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△1 ADDENDUM 01	R.S.

ENGINEER

ARCHITECT

LICENSED ARCHITECT — RAY STEPHEN JETTÉ — No. C-27546 — REN. 6-2027 — STATE OF CALIFORNIA

PROJECT: SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL — SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: ENLARGED NEW SITE PLAN

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET: A-15

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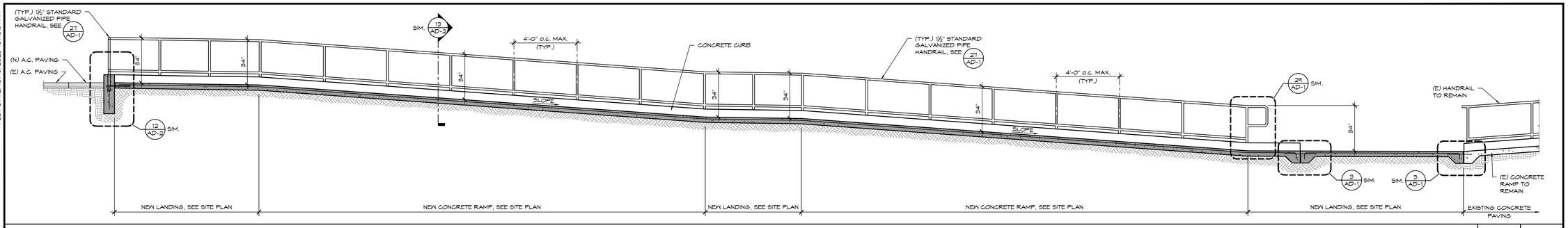
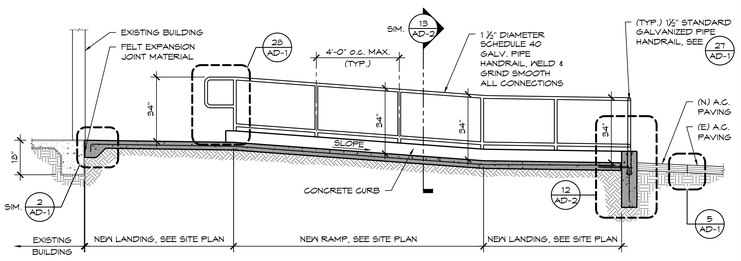


SECTION AT RAMP — SCALE: 3/8" = 1'-0" — 6



SECTION AT RAMP — SCALE: 3/8" = 1'-0" — 8

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		21			22			23			24			25			26
		27			28			29			30						

REVISIONS	BY
1 ADDENDUM 01	R.S.

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ARCHITECT

LICENSED ARCHITECT — BARRY A. FRICK — RENEWAL 6-2027 — C-37546 — STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
ENLARGED NEW SITE PLAN & RAMP SECTIONS

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET: A-15.1 1

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ADDENDUM 1, EXHIBIT "B"

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
SITE PLAN RAMP SECTIONS

DATE: October 2026
DRAWN: ---
JOB: S-21-01
SHEET: **A-16**

ARCHITECT: LICENSED ARCHITECT — VIRGINIA — Exp. 6-2027 — STATE OF CA

ENGINEER

REVISIONS

BY	
K.S.	ADDENDUM 01

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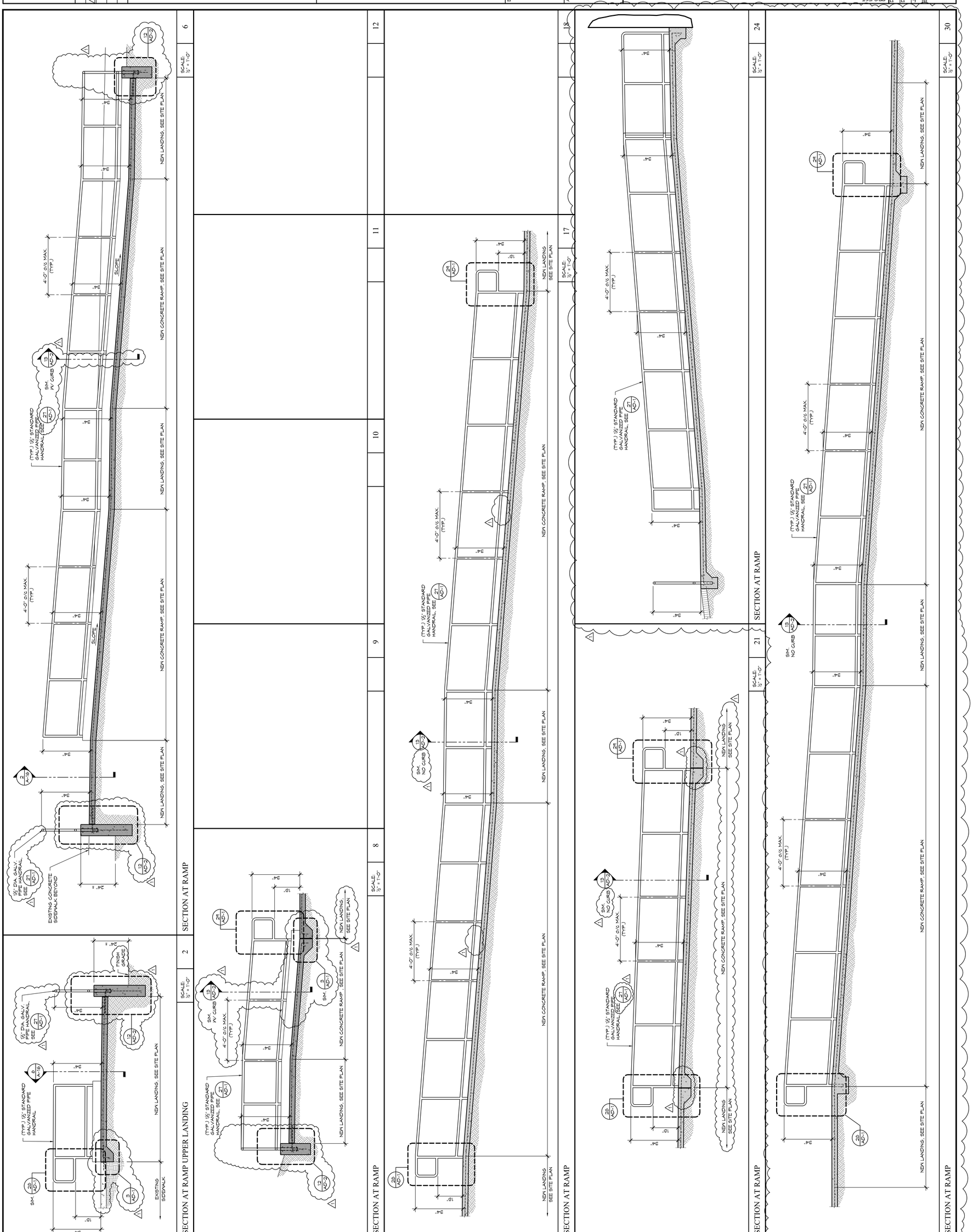

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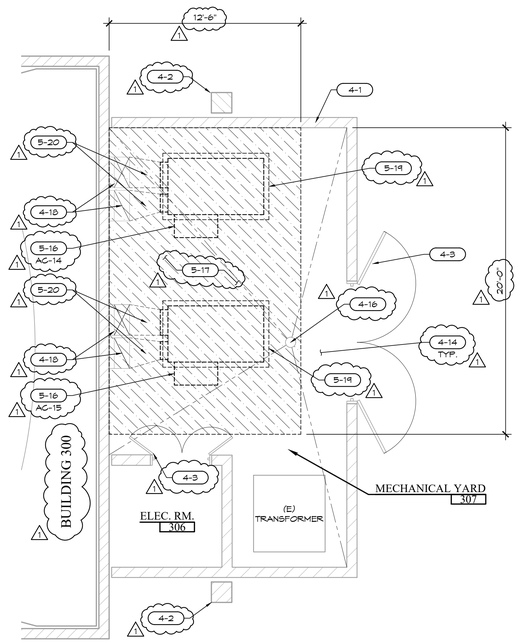
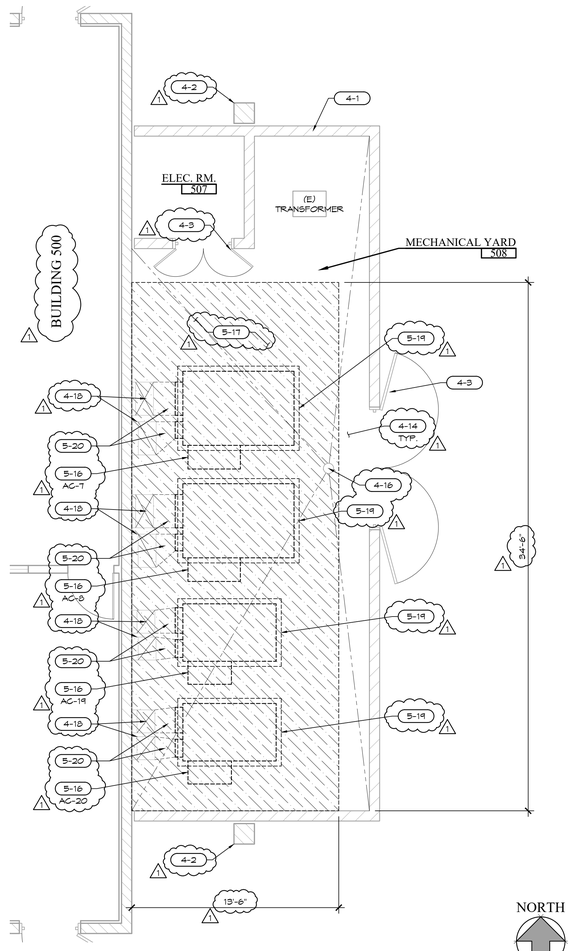


BLDG. 300 - HVAC DEMO FLOOR PLAN | SCALE: ¼" = 1'-0" | 14



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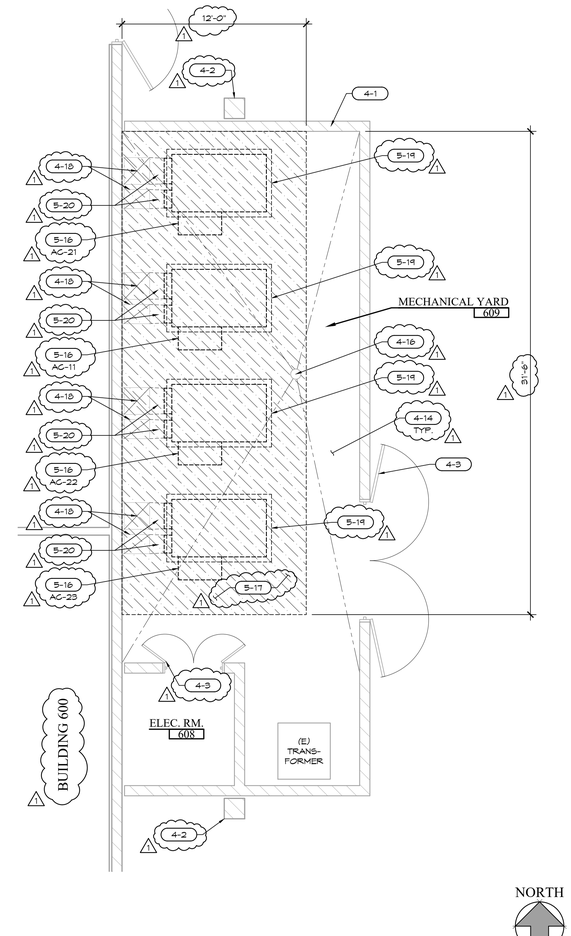

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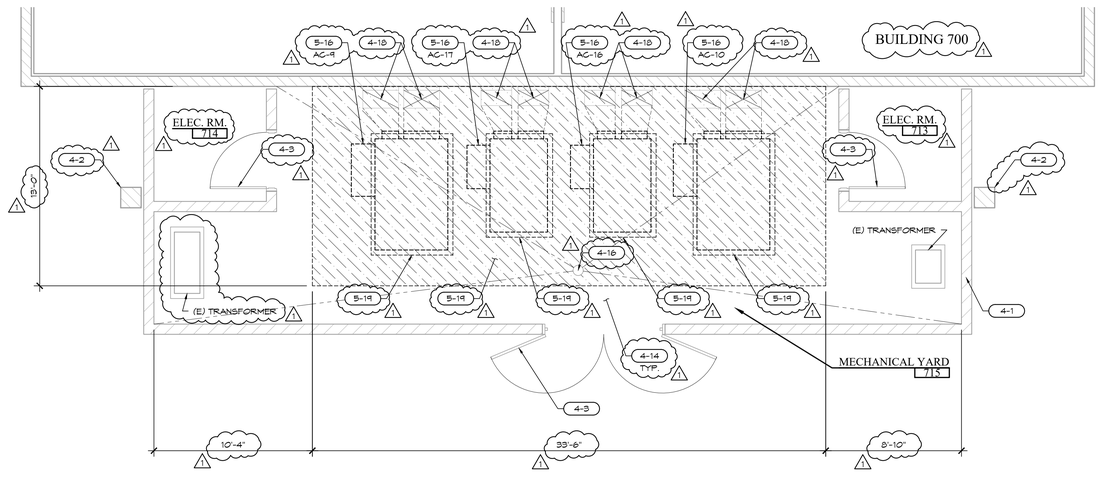

BLDG. 700 - HVAC DEMO FLOOR PLAN | SCALE: ¼" = 1'-0" | 29

EXISTING

- 4-1 (E) WALL TO REMAIN, SEE WALL LEGEND.
- 4-2 (E) COLUMN TO REMAIN.
- 4-3 (E) DOOR & FRAME TO REMAIN.
- 4-4 (E) GLAZING & WINDOW FRAME TO REMAIN.
- 4-5 (E) CASEWORK TO REMAIN.
- 4-6 (E) FLOORING TO BE PROTECTED IN PLACE.
- 4-7 (E) SANITARY NAPKIN DISPENSER TO REMAIN.
- 4-8 (E) SURFACE MOUNTED TOILET SEAT DISPENSER TO REMAIN. Δ1
- 4-9 (E) WATER CLOSET, PROTECT IN PLACE.
- 4-10 (E) TOILET PARTITION, PROTECT IN PLACE.
- 4-11 (E) MIRROR TO REMAIN, PROTECT IN PLACE. Δ1
- 4-12 (E) LAVATORY, PROTECT IN PLACE.
- 4-13 (E) HVAC EQUIPMENT, PROTECT IN PLACE.
- 4-14 (E) CONCRETE PAVING, PROTECT IN PLACE.
- 4-15 (E) SOAP DISPENSER, PROTECT IN PLACE.
- 4-16 (E) FLOOR DRAIN TO REMAIN, PROTECT IN PLACE. Δ1
- 4-17 (E) GAS PRESSURE REGULATOR TO REMAIN, PROTECT IN PLACE.
- 4-18 (E) HVAC DUCTWORK TO REMAIN, SEE MECHANICAL DRAWINGS.
- 4-19 (E) PARTITION MOUNTED SANITARY NAPKIN DISPOSAL TO REMAIN.
- 4-20 (E) SURFACE MOUNTED SANITARY NAPKIN DISPOSAL TO REMAIN.
- 4-21 (E) SURFACE MOUNTED TOILET PAPER DISPENSER TO REMAIN.

DEMOLITION

- 5-1 PORTION OF (E) WALL & (E) WALL TILE / WALL FINISH TO BE REMOVED, SEE WALL LEGEND. Δ1
- 5-2 (E) WALL TO BE REMOVED, SEE WALL LEGEND.
- 5-3 REMOVE (E) WALL HUNG MIRROR.
- 5-4 REMOVE (E) HOT WATER HEATER. Δ1
- 5-5 REMOVE (E) TILE FLOORING.
- 5-6 (E) PLUMBING FIXTURES TO BE REMOVED, SEE PLUMBING DRAWINGS.
- 5-7 REMOVE (E) ROOM IDENTIFICATION PLASTIC SIGN.
- 5-8 REMOVE (E) TOILET PARTITION COMPLETE.
- 5-9 REMOVE (E) GRAB BAR.
- 5-10 REMOVE (E) PAPER TOWEL DISPENSER.
- 5-11 REMOVE (E) TOILET PAPER DISPENSER.
- 5-12 REMOVE (E) SOAP DISPENSER.
- 5-13 REMOVE (E) SANITARY NAPKIN DISPENSER.
- 5-14 REMOVE (E) SANITARY NAPKIN DISPOSAL.
- 5-15 REMOVE (E) TOILET SEAT COVER DISPENSER. Δ1
- 5-16 REMOVE (E) MECHANICAL UNIT, SEE MECHANICAL DRAWINGS
- 5-17 SAWCUT AND REMOVE (E) CONCRETE PAVING. Δ1
- 5-18 REMOVE (E) HAND DRYER
- 5-19 SAWCUT AND REMOVE (E) CONCRETE PAD UNDER MECHANICAL UNIT.
- 5-20 (E) HVAC DUCT TRANSITION TO BE MODIFIED AS REQUIRED, SEE MECHANICAL DRAWINGS. Δ1

FLOOR PLAN KEYNOTES

WALL LEGEND

- (E) 6" STEEL STUD WALLS TO REMAIN.
- (E) WALL TILE ON A 2" FULL SETTING BED, PROTECT IN PLACE. Δ1
- (N) WALL TILE ON A 2" FULL SETTING BED, SEE PROJECT MANUAL. Δ1
- (E) 8x8x16 CONCRETE BLOCK WALL, PROTECT IN PLACE.
- (N) 8x8x16 CONCRETE BLOCK WALL, SEE 1/AD-2

REVISIONS	BY
Δ1 ADDENDUM 01	R.S.

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SITE WORK, RESTROOM & FIRE ALARM UPGRADES @
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
BUILDINGS 300, 500, 600 AND 700
- HVAC DEMO FLOOR PLANS

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET: A-17

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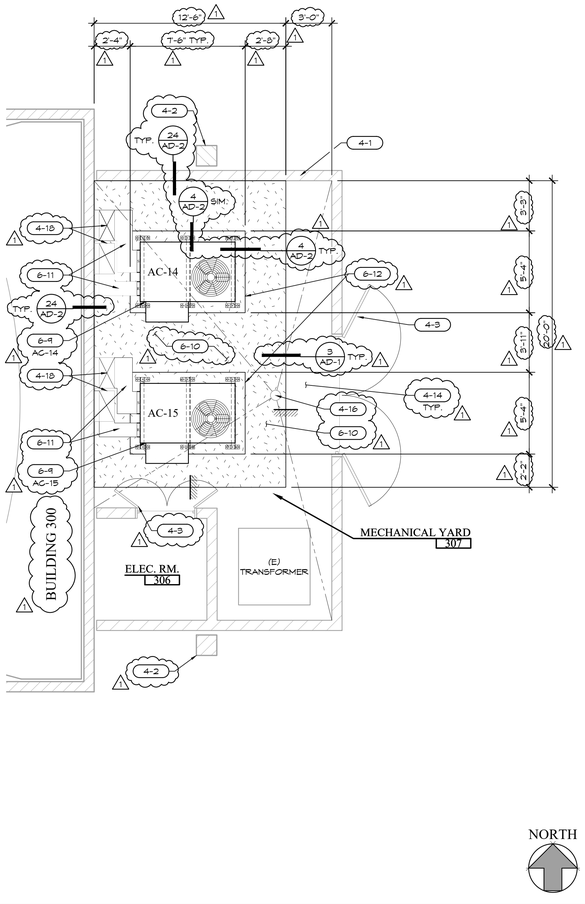
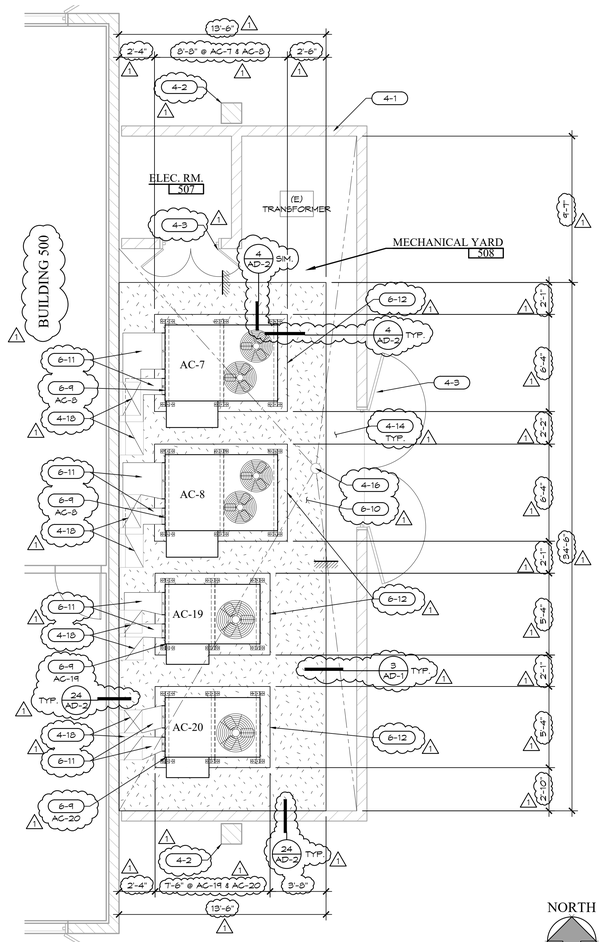
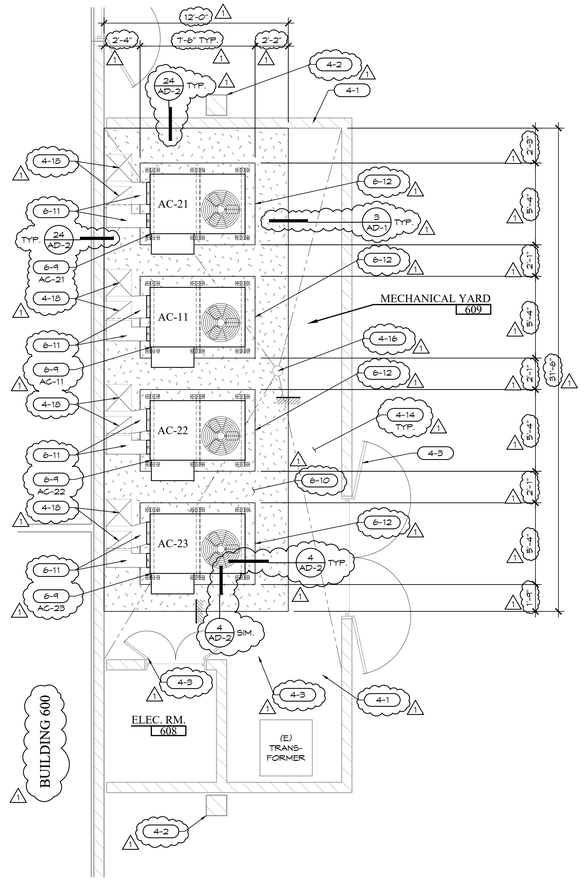
ADDENDUM 1, EXHIBIT "B"



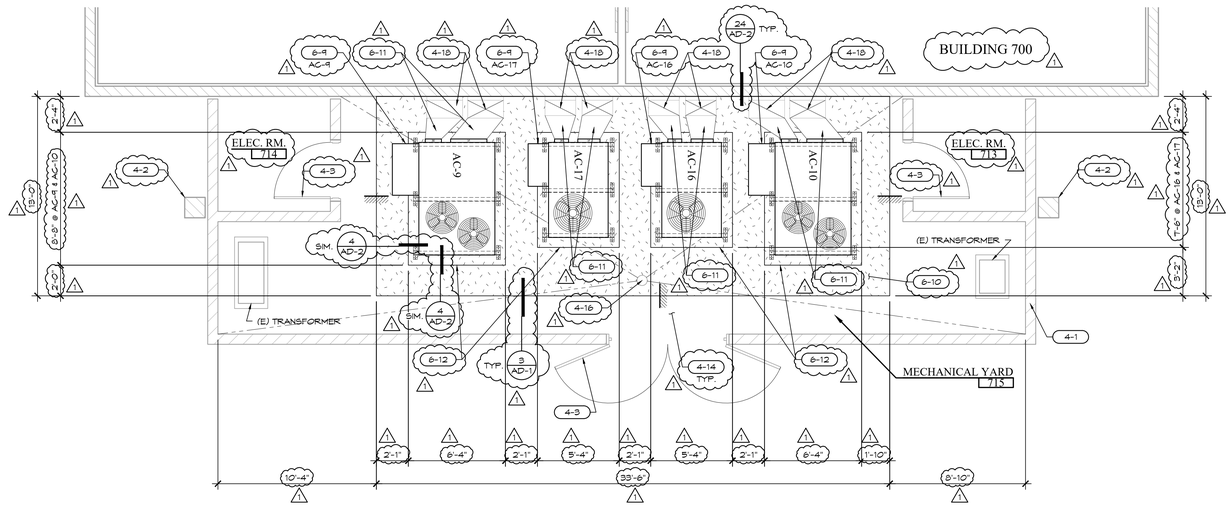
BLDG. 300 - HVAC NEW FLOOR PLAN | SCALE: ¼" = 1'-0" | 14



BLDG. 500 - HVAC NEW FLOOR PLAN | SCALE: ¼" = 1'-0" | 15



BLDG. 600 - HVAC NEW FLOOR PLAN | SCALE: ¼" = 1'-0" | 17



BLDG. 700 - HVAC NEW FLOOR PLAN | SCALE: ¼" = 1'-0" | 29

EXISTING

- 4-1 (E) WALL TO REMAIN, SEE WALL LEGEND.
- 4-2 (E) COLUMN TO REMAIN.
- 4-3 (E) DOOR & FRAME TO REMAIN.
- 4-4 (E) GLAZING & WINDOW FRAME TO REMAIN.
- 4-5 (E) CASEWORK TO REMAIN.
- 4-6 (E) FLOORING TO BE PROTECTED IN PLACE.
- 4-7 (E) SANITARY NAPKIN DISPENSER TO REMAIN.
- 4-8 (E) SURFACE MOUNTED TOILET SEAT DISPENSER TO REMAIN. Δ1
- 4-9 (E) WATER CLOSET, PROTECT IN PLACE.
- 4-10 (E) TOILET PARTITION, PROTECT IN PLACE.
- 4-11 (E) MIRROR TO REMAIN, PROTECT IN PLACE. Δ1
- 4-12 (E) LAVATORY, PROTECT IN PLACE.
- 4-13 (E) HVAC EQUIPMENT, PROTECT IN PLACE.
- 4-14 (E) CONCRETE PAVING, PROTECT IN PLACE.
- 4-15 (E) SOAP DISPENSER, PROTECT IN PLACE.
- 4-16 (E) FLOOR DRAIN TO REMAIN, PROTECT IN PLACE. Δ1
- 4-17 (E) GAS PRESSURE REGULATOR TO REMAIN, PROTECT IN PLACE.
- 4-18 (E) HVAC DUCTWORK TO REMAIN, SEE MECHANICAL DRAWINGS.
- 4-19 (E) PARTITION MOUNTED SANITARY NAPKIN DISPOSAL TO REMAIN.
- 4-20 (E) SURFACE MOUNTED SANITARY NAPKIN DISPOSAL TO REMAIN.
- 4-21 (E) SURFACE MOUNTED TOILET PAPER DISPENSER TO REMAIN.

NEW

- 6-1 (E) TOILET PAPER DISPENSER TO BE RELOCATED ON (N) TOILET PARTITION. Δ1
- 6-2 NOT USED.
- 6-3 (N) FINISH AT WALL AND FLOOR, SEE FINISH SCHEDULE.
- 6-4 TYP. (N) ROOM IDENTIFICATION SIGN, SEE SIGNAGE LEGEND.
- 6-5 (N) TOILET PARTITION, SEE PROJECT MANUAL.
- 6-6 NOT USED. Δ1
- 6-7 (N) PLUMBING FIXTURE, SEE SYMBOL LEGEND SHEET CG-2.
- 6-8 (E) DOOR WITH (N) HARDWARE, SEE DOOR SCHEDULE.
- 6-9 (N) MECHANICAL UNITS, SEE MECHANICAL DRAWINGS.
- 6-10 (N) 4" THICK CONCRETE PAVING.
- 6-11 (N) HVAC DUCT TRANSITION AS REQUIRED, SEE MECHANICAL DRAWINGS.
- 6-12 (N) 6" THICK CONCRETE PAD FOR MECHANICAL UNITS, SLOPE TO DRAIN. Δ1

FLOOR PLAN KEYNOTES

- (E) 6" STEEL STUD WALLS TO REMAIN. Δ1
- (E) WALL TILE ON A 2" FULL SETTING BED PROTECT IN PLACE. Δ1
- (N) WALL TILE ON A 2" FULL SETTING BED, SEE PROJECT MANUAL. Δ1
- (E) 8x8x16 CONCRETE BLOCK WALL, PROTECT IN PLACE.
- (N) 8x8x16 CONCRETE BLOCK WALL, SEE 1/AD-2

WALL LEGEND

REVISIONS	BY
Δ1 ADDENDUM 01	R.S.

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ENGINEER

ARCHITECT

LICENSED ARCHITECT — RICHARD A. BARTLETT — RENEWAL 08/31/2027 — RENEWAL 6-2027 — STATE OF CALIFORNIA

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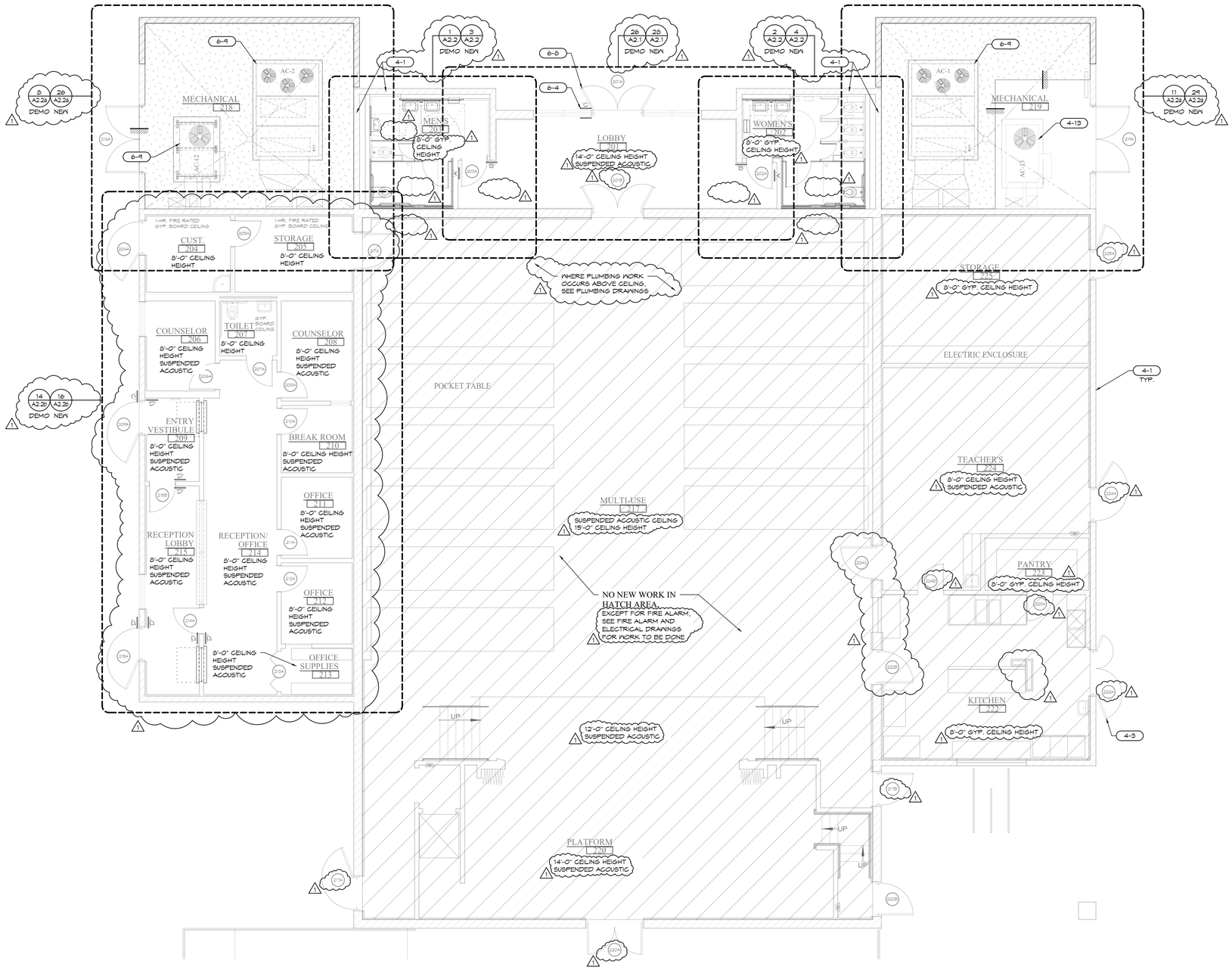


NORTH

BUILDING 200 - OVER ALL FLOOR PLAN

SCALE: 3/16" = 1'-0"

23

EXISTING

- 4-1 (E) WALL TO REMAIN, SEE WALL LEGEND.
- 4-2 (E) COLUMN TO REMAIN.
- 4-3 (E) DOOR & FRAME TO REMAIN.
- 4-4 (E) GLAZING & WINDOW FRAME TO REMAIN.
- 4-5 (E) CASEWORK TO REMAIN.
- 4-6 (E) FLOORING TO BE PROTECTED IN PLACE.
- 4-7 (E) SANITARY NAPKIN DISPENSER TO REMAIN.
- 4-8 (E) SURFACE MOUNTED TOILET SEAT DISPENSER TO REMAIN.
- 4-9 (E) WATER CLOSET, PROTECT IN PLACE.
- 4-10 (E) TOILET PARTITION, PROTECT IN PLACE.
- 4-11 (E) MIRROR TO REMAIN, PROTECT IN PLACE.
- 4-12 (E) LAVATORY, PROTECT IN PLACE.
- 4-13 (E) HVAC EQUIPMENT, PROTECT IN PLACE.
- 4-14 (E) CONCRETE PAVING, PROTECT IN PLACE.
- 4-15 (E) SOAP DISPENSER, PROTECT IN PLACE.
- 4-16 (E) FLOOR DRAIN TO REMAIN, PROTECT IN PLACE.
- 4-17 (E) GAS PRESSURE REGULATOR TO REMAIN, PROTECT IN PLACE.
- 4-18 (E) HVAC DUCTWORK TO REMAIN, SEE MECHANICAL DRAWINGS.
- 4-19 (E) PARTITION MOUNTED SANITARY NAPKIN DISPOSAL TO REMAIN.
- 4-20 (E) SURFACE MOUNTED SANITARY NAPKIN DISPOSAL TO REMAIN.
- 4-21 (E) SURFACE MOUNTED TOILET PAPER DISPENSER TO REMAIN.

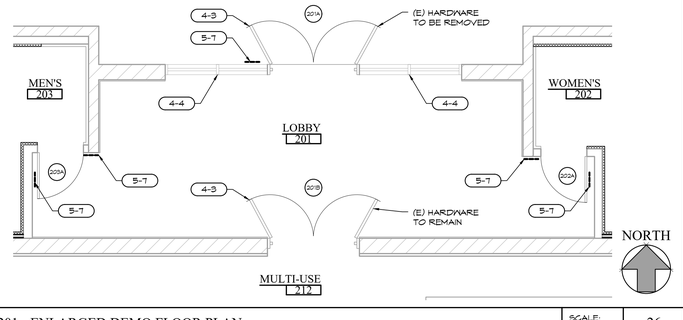
DEMOLITION

- 5-1 PORTION OF (E) WALL & (E) WALL TILE / WALL FINISH TO BE REMOVED, SEE WALL LEGEND.
- 5-2 (E) WALL TO BE REMOVED, SEE WALL LEGEND.
- 5-3 REMOVE (E) WALL HUNG MIRROR.
- 5-4 REMOVE (E) HOT WATER HEATER.
- 5-5 REMOVE (E) TILE FLOORING.
- 5-6 (E) PLUMBING FIXTURES TO BE REMOVED, SEE PLUMBING DRAWINGS.
- 5-7 REMOVE (E) ROOM IDENTIFICATION PLASTIC SIGN.
- 5-8 REMOVE (E) TOILET PARTITION COMPLETE.
- 5-9 REMOVE (E) GRAB BAR.
- 5-10 REMOVE (E) PAPER TOWEL DISPENSER.
- 5-11 REMOVE (E) TOILET PAPER DISPENSER.
- 5-12 REMOVE (E) SOAP DISPENSER.
- 5-13 REMOVE (E) SANITARY NAPKIN DISPENSER.
- 5-14 REMOVE (E) SANITARY NAPKIN DISPOSAL.
- 5-15 REMOVE (E) TOILET SEAT COVER DISPENSER.
- 5-16 REMOVE (E) MECHANICAL UNIT, SEE MECHANICAL DRAWINGS
- 5-17 SAWCUT AND REMOVE (E) CONCRETE PAVING.
- 5-18 REMOVE (E) HAND DRYER
- 5-19 SAWCUT AND REMOVE (E) CONCRETE PAD UNDER MECHANICAL UNIT.
- 5-20 (E) HVAC DUCT TRANSITION TO BE MODIFIED AS REQUIRED, SEE MECHANICAL DRAWINGS.

NEW

- 6-1 (E) TOILET PAPER DISPENSER TO BE RELOCATED ON (N) TOILET PARTITION.
- 6-2 NOT USED.
- 6-3 (N) FINISH AT WALL AND FLOOR, SEE FINISH SCHEDULE.
- 6-4 TYP. (N) ROOM IDENTIFICATION SIGN, SEE SIGNAGE LEGEND.
- 6-5 (N) TOILET PARTITION, SEE PROJECT MANUAL.
- 6-6 NOT USED.
- 6-7 (N) PLUMBING FIXTURE, SEE SYMBOL LEGEND SHEET GS-2.
- 6-8 (E) DOOR WITH (N) HARDWARE, SEE DOOR SCHEDULE.
- 6-9 (N) MECHANICAL UNITS, SEE MECHANICAL DRAWINGS.
- 6-10 (N) 4" THICK CONCRETE PAVING.
- 6-11 (N) HVAC DUCT TRANSITION AS REQUIRED, SEE MECHANICAL DRAWINGS.
- 6-12 (N) 6" THICK CONCRETE PAD FOR MECHANICAL UNITS. SLOPE TO DRAIN.

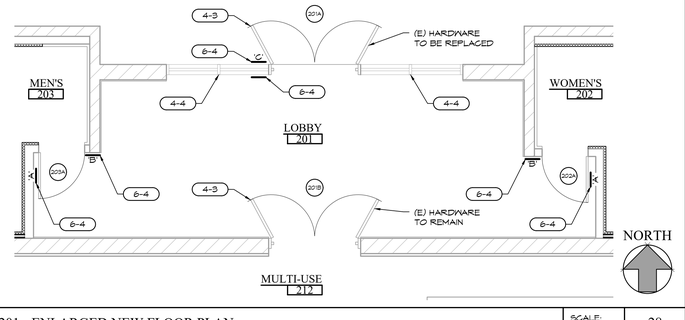
FLOOR PLAN KEYNOTES



LOBBY 201 - ENLARGED DEMO FLOOR PLAN

SCALE: 1/4" = 1'-0"

26



LOBBY 201 - ENLARGED NEW FLOOR PLAN

SCALE: 1/4" = 1'-0"

28

WALL LEGEND

- (E) 6" STEEL STUD WALLS TO REMAIN.
- (E) WALL TILE ON A 2" FULL SETTING BED, PROTECT IN PLACE.
- (N) WALL TILE ON A 2" FULL SETTING BED, SEE PROJECT MANUAL.
- (E) 8x8x16 CONCRETE BLOCK WALL, PROTECT IN PLACE.
- (N) 8x8x16 CONCRETE BLOCK WALL, SEE 1/AD-2

SIGNAGE LEGEND

- 'A' RESTROOM DOOR SIGN TYPE 'A', SEE 1/AD-3
- 'B' RESTROOM WALL SIGN TYPE 'B', SEE 2/AD-3
- 'C' SIGN TYPE 'C', SEE 3/AD-3
- 'D' SIGN TYPE 'D', SEE 4/AD-3
- BLANK SIGN, GLUE TO WINDOW OPPOSITE NEW SIGN

NOTE:
FOR SIGNAGE AT SINGLE RESTROOM DOORS, ALSO SEE 5/AD-3
FOR SIGNAGE AT DOUBLE DOORS, ALSO SEE 6/AD-3

REVISIONS	BY
1 ADDENDUM 01	R.S.

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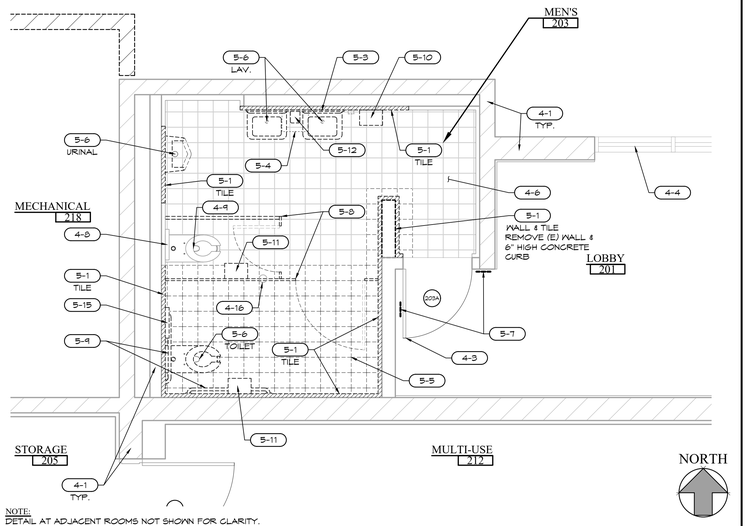
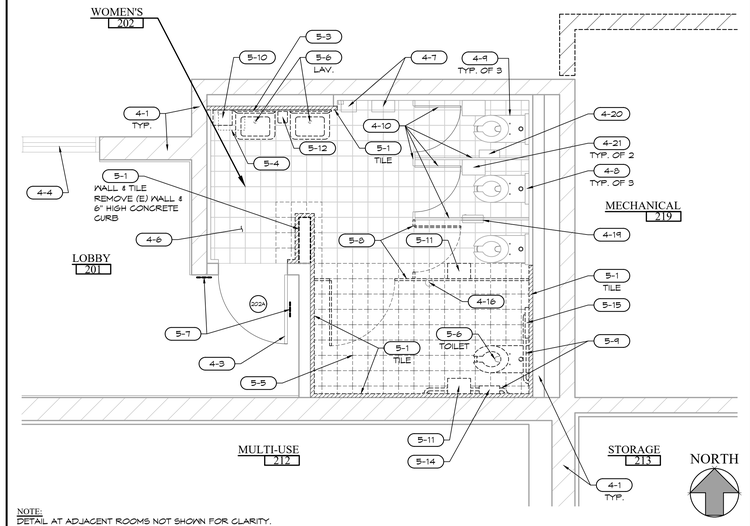


NOTE:
DETAIL AT ADJACENT ROOMS NOT SHOWN FOR CLARITY.

BUILDING 200 - MEN'S RESTROOM 203 - ENLARGED DEMO FLOOR PLAN | SCALE: 3/8" = 1'-0" | 1

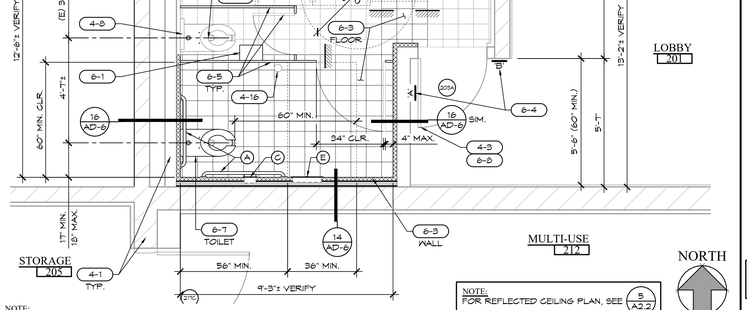
AGE GROUP: ADULT



NOTE:
DETAIL AT ADJACENT ROOMS NOT SHOWN FOR CLARITY.

BUILDING 200 - WOMEN'S RESTROOM 202 - ENLARGED DEMO FLOOR PLAN | SCALE: 3/8" = 1'-0" | 2

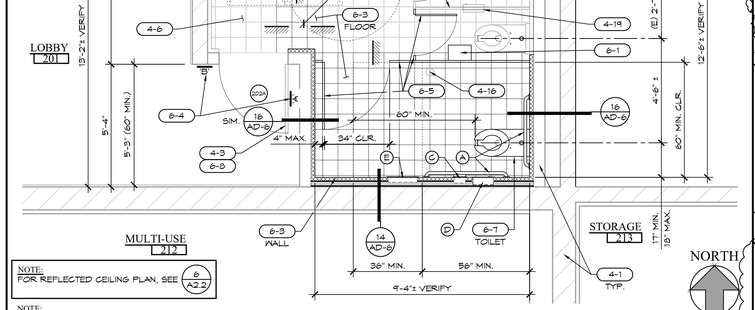
AGE GROUP: ADULT



NOTE:
FOR REFLECTED CEILING PLAN, SEE 5 A2.2

NOTE:
DETAIL AT ADJACENT ROOMS NOT SHOWN FOR CLARITY.

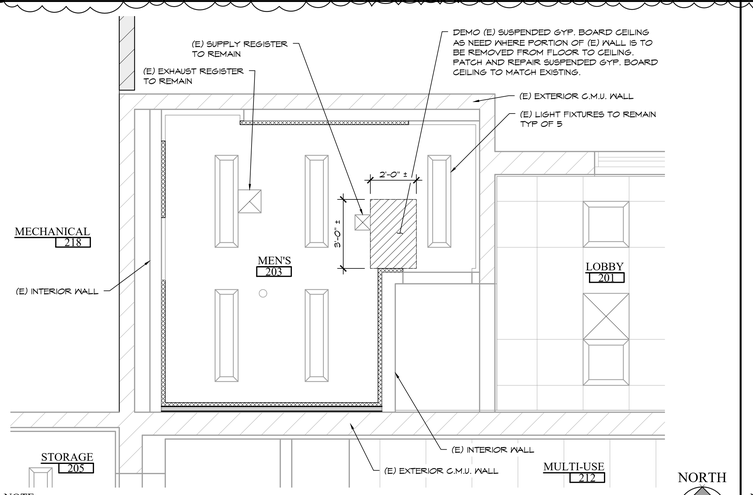
BUILDING 200 - MEN'S RESTROOM 203 - ENLARGED NEW FLOOR PLAN | SCALE: 3/8" = 1'-0" | 3



NOTE:
FOR REFLECTED CEILING PLAN, SEE 6 A2.2

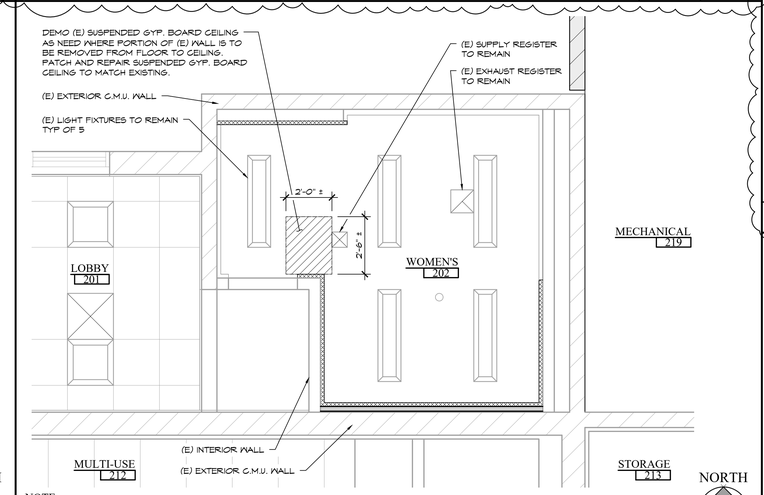
NOTE:
DETAIL AT ADJACENT ROOMS NOT SHOWN FOR CLARITY.

BUILDING 200 - WOMEN'S RESTROOM 202 - ENLARGED NEW FLOOR PLAN | SCALE: 3/8" = 1'-0" | 4



NOTE:
1. SCRAPE & PREP REMAINING PORTIONS (E) SUSPENDED GYP. BOARD CEILING TO RECEIVE NEW FINISHES.
2. PROVIDE NEW TEXTURE AT THE (N) PORTIONS OF SUSPENDED GYP. BOARD CEILING TO MATCH EXISTING.
3. PRIME & PAINT ENTIRE CEILING IN ALL RESTROOMS W/ (N) WORK.
4. SEE SUSPENDED GYP. BOARD CEILING NOTES ON SHEET A2.2 FOR ADDITIONAL INFORMATION.

BUILDING 200 - MEN'S RESTROOM 203 - ENLARGED REFLECTED CEILING PLAN | SCALE: 3/8" = 1'-0" | 5



NOTE:
1. SCRAPE & PREP REMAINING PORTIONS (E) SUSPENDED GYP. BOARD CEILING TO RECEIVE NEW FINISHES.
2. PROVIDE NEW TEXTURE AT THE (N) PORTIONS OF SUSPENDED GYP. BOARD CEILING TO MATCH EXISTING.
3. PRIME & PAINT ENTIRE CEILING IN ALL RESTROOMS W/ (N) WORK.
4. SEE SUSPENDED GYP. BOARD CEILING NOTES ON SHEET A2.2 FOR ADDITIONAL INFORMATION.

BUILDING 200 - WOMEN'S RESTROOM 202 - ENLARGED REFLECTED CEILING PLAN | SCALE: 3/8" = 1'-0" | 6

A RESTROOM DOOR SIGN TYPE 'A', SEE 1 AD-3

B RESTROOM WALL SIGN TYPE 'B', SEE 2 AD-3

C SIGN TYPE 'C', SEE 3 AD-3

D SIGN TYPE 'D', SEE 4 AD-3

BLANK SIGN, GLUE TO WINDOW OPPOSITE NEW SIGN

NOTE:
FOR SIGNAGE AT SINGLE RESTROOM DOORS, ALSO SEE 5 AD-3

FOR SIGNAGE AT DOUBLE DOORS, ALSO SEE 6 AD-3

SIGNAGE LEGEND

A 1½" DIA. STAINLESS STEEL GRAB BARS, 42" LENGTH BOBRICK: MODEL# B-5806.99 x 42 AND 36" LENGTH, BOBRICK: MODEL# B-5806.99 x 36

B ACCESSIBLE RECESSED PAPER TOWEL & WASTE RECEPTACLE, BOBRICK: MODEL# B-3944

B1 ACCESSIBLE SURFACE MOUNTED PAPER TOWEL & WASTE RECEPTACLE, BOBRICK: MODEL# B-3949

C ACCESSIBLE RECESSED MULTI-ROLL TOILET TISSUE DISPENSER, BOBRICK: MODEL# B-3888

D ACCESSIBLE RECESSED SANITARY NAPKIN DISPOSAL, BOBRICK: MODEL# B-353

E ACCESSIBLE RECESSED MOUNTED TOILET SEAT-COVER DISPENSER, BOBRICK: MODEL# B-301

F ACCESSIBLE 24" x 36" TEMPERED MIRROR WITH STAINLESS STEEL FRAME, BOBRICK: MODEL# B-2906

G ~~ACCESSIBLE 24" x 36" TILT MIRROR WITH STAINLESS STEEL FRAME, BOBRICK: MODEL# B-293~~ ⚠1

H ACCESSIBLE SURFACE MOUNTED SOAP DISPENSER, BOBRICK: MODEL# B-2111

I ACCESSIBLE ELECTRIC HAND DRYER WITH 4" MAX. PROJECTION FROM FINISH WALL SURFACE, MODEL DYSON AIRBLADE V

J ACCESSIBLE RECESSED SANITARY DISPENSER, BOBRICK: MODEL# B-3706T

K SURFACE MOUNTED TOILET SEAT-COVER DISPENSER, BOBRICK: MODEL# B-221

L RECESSED DUAL-ROLL TOILET TISSUE DISPENSER WITH HOODS, BOBRICK: MODEL# B-6997

M SURFACE MOUNTED DUAL-ROLL TOILET TISSUE DISPENSER WITH HOODS, BOBRICK: MODEL# B-6997 ⚠1

N PARTITION MOUNTED SANITARY NAPKIN DISPOSAL, BOBRICK: MODEL# B-354

O SURFACE MOUNTED SANITARY NAPKIN DISPOSAL, BOBRICK: MODEL# B-254

NOTES:
CONTRACTOR TO REMOVE ALL EXISTING TOILET ACCESSORIES AS REQUIRED PER DEMO PLANS AND DELIVER TO OWNER.
⚠1 A. PROVIDE NEW TOILET ACCESSORIES AS SHOWN ON PLAN.
B. CONTRACTOR TO INSTALL ALL OWNER FURNISHED TOILET ACCESSORIES AT ALL STANDARD/NON-ADA STALLS.
C. FOR ACCESSORY MOUNTING HEIGHTS, SEE 9 AD-3

TOILET ACCESSORIES KEYNOTES ⚠1

SUSPENDED GYPSUM BOARD CEILING NOTES:

1. ALL SUSPENDED GYP. BOARD CEILINGS TO BE 5'-0" A.F.F. UNLESS OTHERWISE NOTED, TO MATCH EXISTING HEIGHT.
2. CONTRACTOR TO PROTECT (E) SUSPENDED GYP. BOARD CEILING GRID IN PLACE. IF THE (E) HAT CHANNELS ARE CUT, SPLICE BACK TOGETHER AS PER REQUIRED PER 9 AD-4 & 1 AD-5
3. PROVIDE SUSPENDED GYP. BOARD CEILING STRUT WHERE REQUIRED, SEE 4 AD-5 & 9 AD-5
4. PROVIDE BRACING WIRE AT (N) CEILING STRUTS WHERE REQUIRED, SEE 10 AD-5
5. DO NOT CUT (E) SUSPENDED GYP. BOARD CEILING STRUCTURE.
6. DO NOT CRAWL OR STORE MATERIALS ABOVE SUSPENDED GYP. BOARD CEILING.
7. PROVIDE R-11 BATT SOUND INSULATION AT ALL INTERIOR CEILINGS.
8. FOR GYPSUM BOARD SUSPENDED CEILING NOTES, SEE 1 AD-4

SUSPENDED GYPSUM BOARD CEILING NOTES

NOTES:
1. PROVIDE NEW WALL & FLOOR TILE IN RESTROOMS, SEE FINISH SCHEDULE. PREP EXISTING WALLS TO RECEIVE NEW FINISH.
2. WHERE EXISTING WALL AND TILE ARE SHOWN TO BE REMOVED ON THE DEMO PLAN, THE WALL FINISH IS TO BE STRIPPED DOWN TO BARE STUDS.
3. PATCH AND REPAIR DRYWALL CEILING AS REQUIRED.

FLOOR PLAN NOTES

EXISTING

4-1 (E) WALL TO REMAIN, SEE WALL LEGEND.
4-2 (E) COLUMN TO REMAIN.
4-3 (E) DOOR & FRAME TO REMAIN.
4-4 (E) GLAZING & WINDOW FRAME TO REMAIN.
4-5 (E) CASEWORK TO REMAIN.
4-6 (E) FLOORING TO BE PROTECTED IN PLACE.
4-7 (E) SANITARY NAPKIN DISPENSER TO REMAIN.
4-8 (E) SURFACE MOUNTED TOILET SEAT DISPENSER TO REMAIN. ⚠1
4-9 (E) WATER CLOSET, PROTECT IN PLACE.
4-10 (E) TOILET PARTITION, PROTECT IN PLACE.
4-11 (E) MIRROR TO REMAIN, PROTECT IN PLACE. ⚠1
4-12 (E) LAVATORY, PROTECT IN PLACE.
4-13 (E) HVAC EQUIPMENT, PROTECT IN PLACE.
4-14 (E) CONCRETE PAVING, PROTECT IN PLACE.
4-15 (E) SOAP DISPENSER, PROTECT IN PLACE.
⚠1 4-16 (E) FLOOR DRAIN TO REMAIN, PROTECT IN PLACE.
4-17 (E) GAS PRESSURE REGULATOR TO REMAIN, PROTECT IN PLACE.
4-18 (E) HVAC DUCTWORK TO REMAIN, SEE MECHANICAL DRAWINGS.
4-19 (E) PARTITION MOUNTED SANITARY NAPKIN DISPOSAL TO REMAIN.
4-20 (E) SURFACE MOUNTED SANITARY NAPKIN DISPOSAL TO REMAIN.
4-21 (E) SURFACE MOUNTED TOILET PAPER DISPENSER TO REMAIN.

DEMOLITION

5-1 PORTION OF (E) WALL & (E) WALL TILE / WALL FINISH TO BE REMOVED, SEE WALL LEGEND. ⚠1
5-2 (E) WALL TO BE REMOVED, SEE WALL LEGEND.
5-3 REMOVE (E) WALL HUNG MIRROR.
5-4 REMOVE (E) HOT WATER HEATER. ⚠1
5-5 REMOVE (E) TILE FLOORING.
5-6 (E) PLUMBING FIXTURES TO BE REMOVED, SEE PLUMBING DRAWINGS.
5-7 REMOVE (E) ROOM IDENTIFICATION PLASTIC SIGN.
5-8 REMOVE (E) TOILET PARTITION COMPLETE.
5-9 REMOVE (E) GRAB BAR.
5-10 REMOVE (E) PAPER TOWEL DISPENSER.
5-11 REMOVE (E) TOILET PAPER DISPENSER.
5-12 REMOVE (E) SOAP DISPENSER.
5-13 REMOVE (E) SANITARY NAPKIN DISPENSER.
5-14 REMOVE (E) SANITARY NAPKIN DISPOSAL.
5-15 REMOVE (E) TOILET SEAT COVER DISPENSER. ⚠1
5-16 REMOVE (E) MECHANICAL UNIT, SEE MECHANICAL DRAWINGS
5-17 SAWCUT AND REMOVE (E) CONCRETE PAVING. ⚠1
5-18 REMOVE (E) HAND DRYER
5-19 SAWCUT AND REMOVE (E) CONCRETE PAD UNDER MECHANICAL UNIT.
⚠1 5-20 (E) HVAC DUCT TRANSITION TO BE MODIFIED AS REQUIRED, SEE MECHANICAL DRAWINGS.

NEW

6-1 (E) TOILET PAPER DISPENSER TO BE RELOCATED ON (N) TOILET PARTITION. ⚠1
6-2 NOT USED.
6-3 (N) FINISH AT WALL AND FLOOR, SEE FINISH SCHEDULE.
6-4 TYP. (N) ROOM IDENTIFICATION SIGN, SEE SIGNAGE LEGEND.
6-5 (N) TOILET PARTITION, SEE PROJECT MANUAL.
6-6 NOT USED. ⚠1
6-7 (N) PLUMBING FIXTURE, SEE SYMBOL LEGEND SHEET G5-2.
6-8 (E) DOOR WITH (N) HARDWARE, SEE DOOR SCHEDULE.
6-9 (N) MECHANICAL UNITS, SEE MECHANICAL DRAWINGS.
6-10 (N) 4" THICK CONCRETE PAVING.
6-11 (N) HVAC DUCT TRANSITION AS REQUIRED, SEE MECHANICAL DRAWINGS.
⚠1 6-12 (N) 6" THICK CONCRETE PAD FOR MECHANICAL UNITS, SLOPE TO DRAIN.

FLOOR PLAN KEYNOTES

(E) 6" STEEL STUD WALLS TO REMAIN. ⚠1
(E) WALL TILE ON A 2" FULL SETTING BED, PROTECT IN PLACE. ⚠1
(N) WALL TILE ON A 2" FULL SETTING BED, SEE PROJECT MANUAL.
(E) 8x8x16 CONCRETE BLOCK WALL, PROTECT IN PLACE.
(N) 8x8x16 CONCRETE BLOCK WALL, SEE 1 AD-2

WALL LEGEND

REVISIONS	BY
⚠1 ADDENDUM 01	R.S.

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ENGINEER

ARCHITECT

LICENSED ARCHITECT
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NO. C-27546
REN. 6-2027
STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
BUILDING 200 - ENLARGED RESTROOM FLOOR PLANS - DEMO & NEW

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET:

A2.2

ADDENDUM 1, EXHIBIT "B"

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XREFS:
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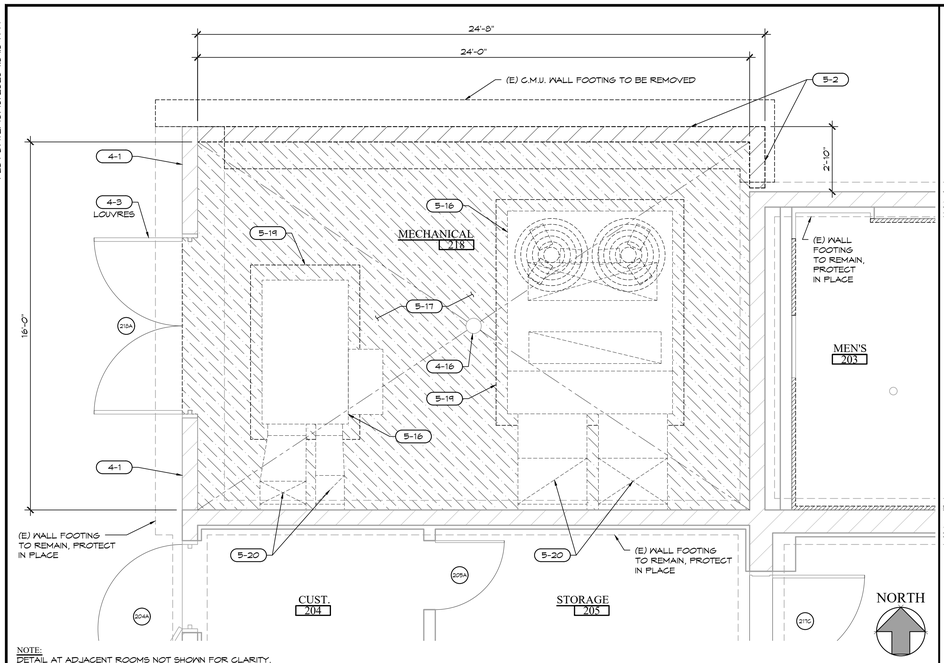
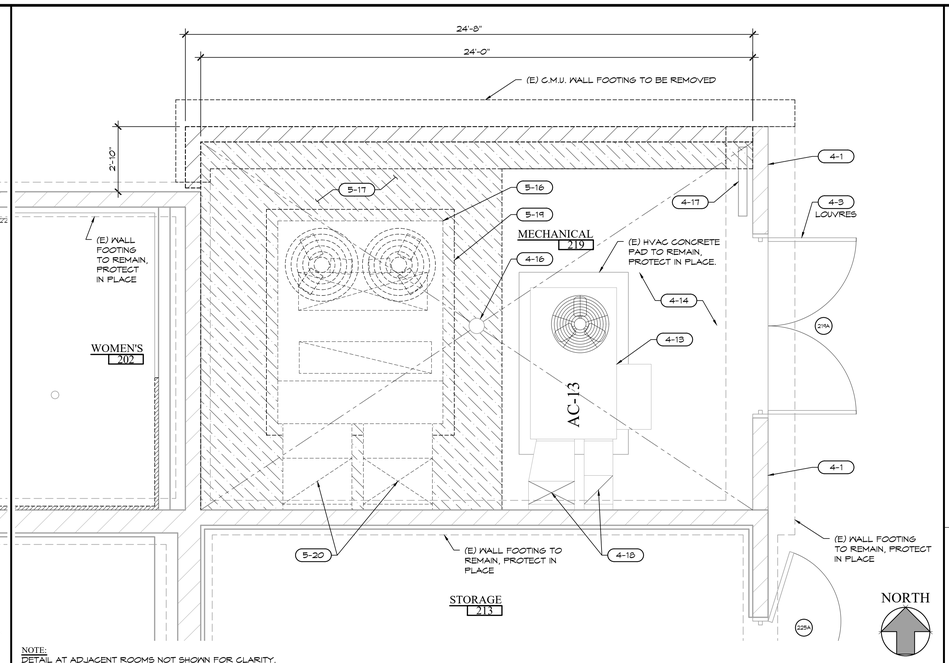
PLOT DATE: 10/15/2026 10:04 PM



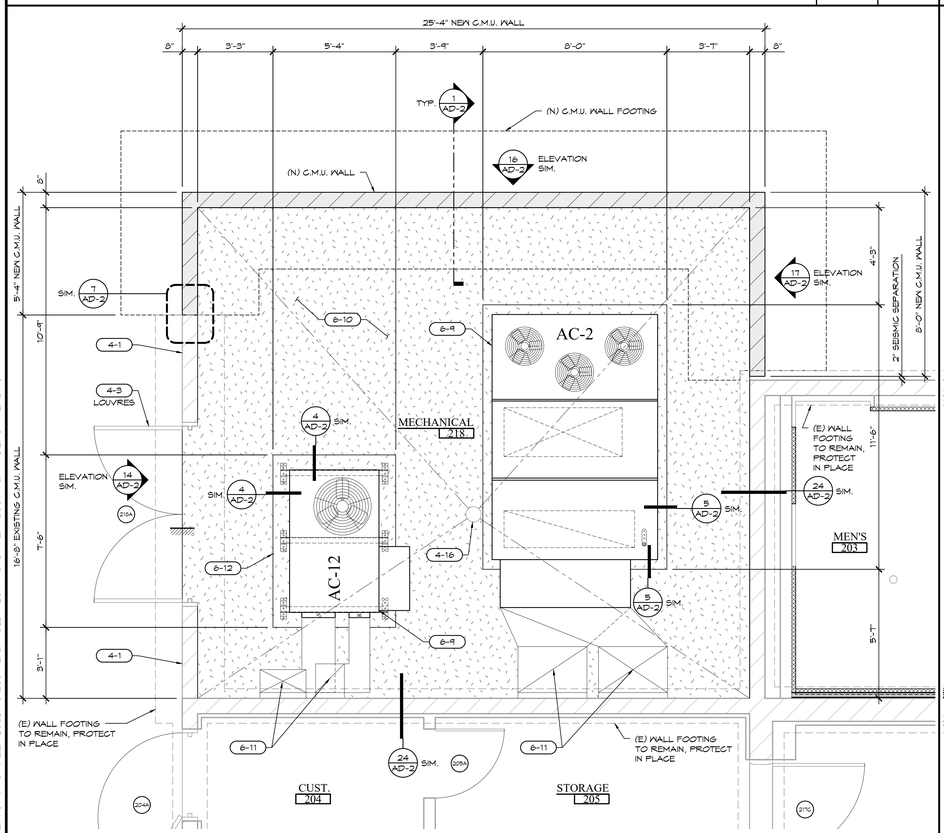
NOTE:
DETAIL AT ADJACENT ROOMS NOT SHOWN FOR CLARITY.

BLDG. 200 - MECHANICAL 218 - ENLARGED DEMO FLOOR PLAN | SCALE: 3/8" = 1'-0" | 8



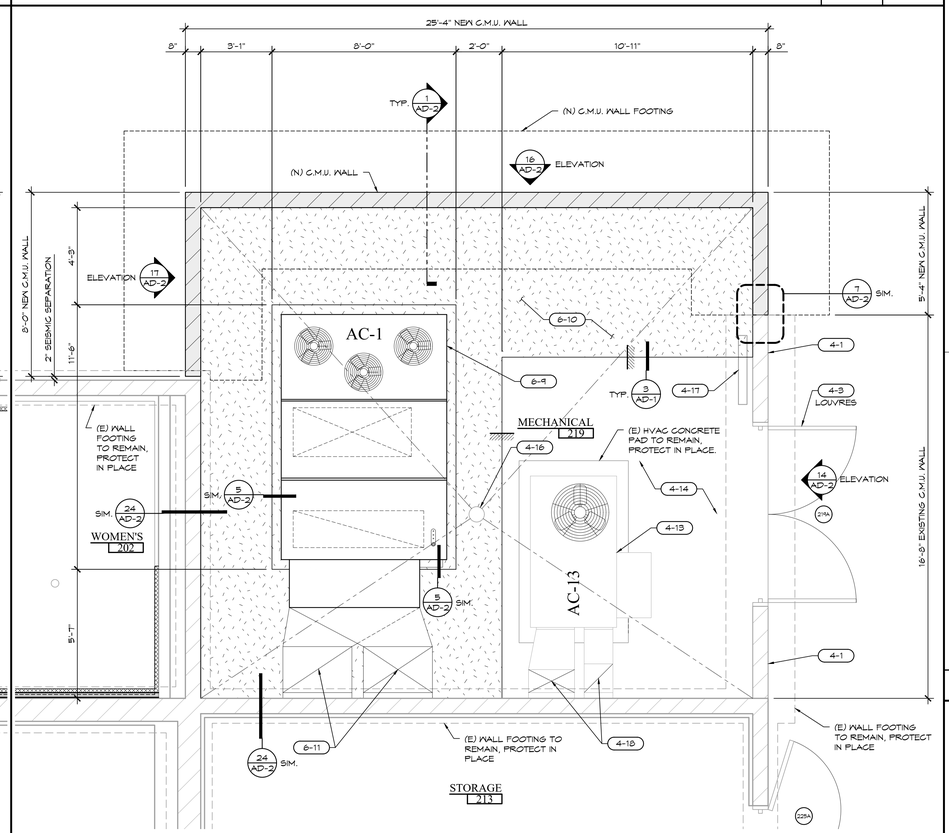
NOTE:
DETAIL AT ADJACENT ROOMS NOT SHOWN FOR CLARITY.

BLDG. 200 - MECHANICAL 219 - ENLARGED DEMO FLOOR PLAN | SCALE: 3/8" = 1'-0" | 11



NOTE:
DETAIL AT ADJACENT ROOMS NOT SHOWN FOR CLARITY.

BLDG. 200 - MECHANICAL 218 - ENLARGED NEW FLOOR PLAN | SCALE: 3/8" = 1'-0" | 26



NOTE:
DETAIL AT ADJACENT ROOMS NOT SHOWN FOR CLARITY.

BLDG. 200 - MECHANICAL 219 - ENLARGED NEW FLOOR PLAN | SCALE: 3/8" = 1'-0" | 29

EXISTING

- 4-1 (E) WALL TO REMAIN, SEE WALL LEGEND.
- 4-2 (E) COLUMN TO REMAIN.
- 4-3 (E) DOOR & FRAME TO REMAIN.
- 4-4 (E) GLAZING & WINDOW FRAME TO REMAIN.
- 4-5 (E) CASEWORK TO REMAIN.
- 4-6 (E) FLOORING TO BE PROTECTED IN PLACE.
- 4-7 (E) SANITARY NAPKIN DISPENSER TO REMAIN.
- 4-8 (E) SURFACE MOUNTED TOILET SEAT DISPENSER TO REMAIN.
- 4-9 (E) WATER CLOSET, PROTECT IN PLACE.
- 4-10 (E) TOILET PARTITION, PROTECT IN PLACE.
- 4-11 (E) MIRROR TO REMAIN, PROTECT IN PLACE.
- 4-12 (E) LAVATORY, PROTECT IN PLACE.
- 4-13 (E) HVAC EQUIPMENT, PROTECT IN PLACE.
- 4-14 (E) CONCRETE PAVING, PROTECT IN PLACE.
- 4-15 (E) SOAP DISPENSER, PROTECT IN PLACE.
- 4-16 (E) FLOOR DRAIN TO REMAIN, PROTECT IN PLACE.
- 4-17 (E) GAS PRESSURE REGULATOR TO REMAIN, PROTECT IN PLACE.
- 4-18 (E) HVAC DUCTWORK TO REMAIN, SEE MECHANICAL DRAWINGS.
- 4-19 (E) PARTITION MOUNTED SANITARY NAPKIN DISPOSAL TO REMAIN.
- 4-20 (E) SURFACE MOUNTED SANITARY NAPKIN DISPOSAL TO REMAIN.
- 4-21 (E) SURFACE MOUNTED TOILET PAPER DISPENSER TO REMAIN.

DEMOLITION

- 5-1 PORTION OF (E) WALL & (E) WALL TILE / WALL FINISH TO BE REMOVED, SEE WALL LEGEND.
- 5-2 (E) WALL TO BE REMOVED, SEE WALL LEGEND.
- 5-3 REMOVE (E) WALL HUNG MIRROR.
- 5-4 REMOVE (E) HOT WATER HEATER.
- 5-5 REMOVE (E) TILE FLOORING.
- 5-6 (E) PLUMBING FIXTURES TO BE REMOVED, SEE PLUMBING DRAWINGS.
- 5-7 REMOVE (E) ROOM IDENTIFICATION PLASTIC SIGN.
- 5-8 REMOVE (E) TOILET PARTITION COMPLETE.
- 5-9 REMOVE (E) GRAB BAR.
- 5-10 REMOVE (E) PAPER TOWEL DISPENSER.
- 5-11 REMOVE (E) TOILET PAPER DISPENSER.
- 5-12 REMOVE (E) SOAP DISPENSER.
- 5-13 REMOVE (E) SANITARY NAPKIN DISPENSER.
- 5-14 REMOVE (E) SANITARY NAPKIN DISPOSAL.
- 5-15 REMOVE (E) TOILET SEAT COVER DISPENSER.
- 5-16 REMOVE (E) MECHANICAL UNIT, SEE MECHANICAL DRAWINGS
- 5-17 SAWCUT AND REMOVE (E) CONCRETE PAVING.
- 5-18 REMOVE (E) HAND DRYER
- 5-19 SAWCUT AND REMOVE (E) CONCRETE PAD UNDER MECHANICAL UNIT.
- 5-20 (E) HVAC DUCT TRANSITION TO BE MODIFIED AS REQUIRED, SEE MECHANICAL DRAWINGS.

NEW

- 6-1 (E) TOILET PAPER DISPENSER TO BE RELOCATED ON (N) TOILET PARTITION.
- 6-2 NOT USED.
- 6-3 (N) FINISH AT WALL AND FLOOR, SEE FINISH SCHEDULE.
- 6-4 TYP. (N) ROOM IDENTIFICATION SIGN, SEE SIGNAGE LEGEND.
- 6-5 (N) TOILET PARTITION, SEE PROJECT MANUAL.
- 6-6 NOT USED.
- 6-7 (N) PLUMBING FIXTURE, SEE SYMBOL LEGEND SHEET GS-2.
- 6-8 (E) DOOR WITH (N) HARDWARE, SEE DOOR SCHEDULE.
- 6-9 (N) MECHANICAL UNITS, SEE MECHANICAL DRAWINGS.
- 6-10 (N) 4" THICK CONCRETE PAVING.
- 6-11 (N) HVAC DUCT TRANSITION AS REQUIRED, SEE MECHANICAL DRAWINGS.
- 6-12 (N) 6" THICK CONCRETE PAD FOR MECHANICAL UNITS. SLOPE TO DRAIN.

FLOOR PLAN KEYNOTES

- (E) 6" STEEL STUD WALLS TO REMAIN.
- (E) WALL TILE ON A 2" FULL SETTING BED, PROTECT IN PLACE.
- (N) WALL TILE ON A 2" FULL SETTING BED, SEE PROJECT MANUAL.
- (E) 8x8x16 CONCRETE BLOCK WALL, PROTECT IN PLACE.
- (N) 8x8x16 CONCRETE BLOCK WALL, SEE 1 AD-2

WALL LEGEND

REVISIONS	BY
1 ADDENDUM 01	R.S.

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STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
BUILDING 200 - ENLARGED MECHANICAL AREA
FLOOR PLAN - DEMO & NEW

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET: A2.2a

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ADDENDUM 1, EXHIBIT "B"

XREFS:
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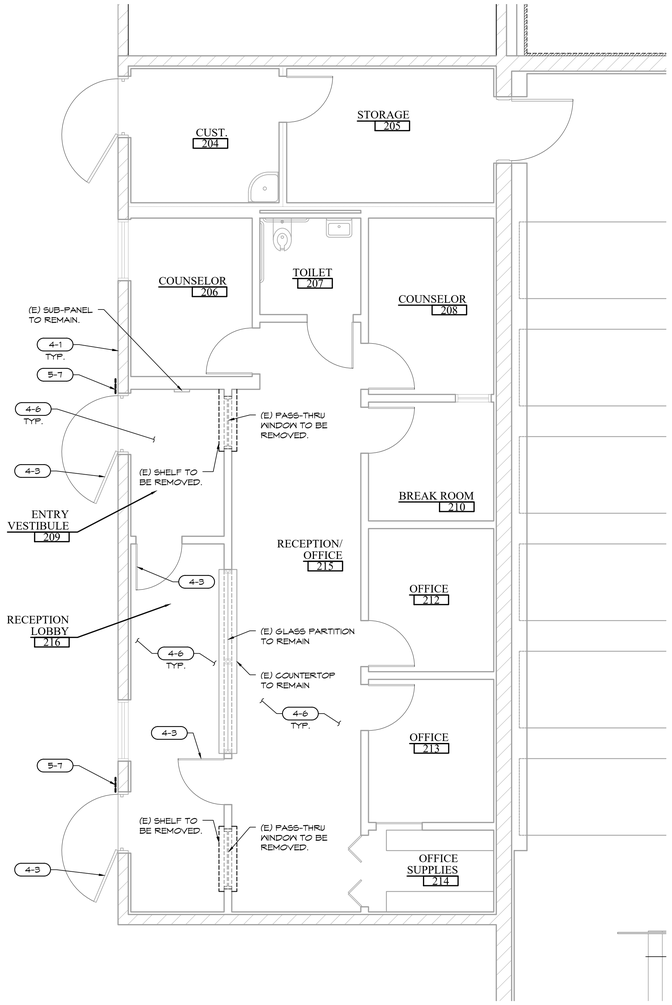
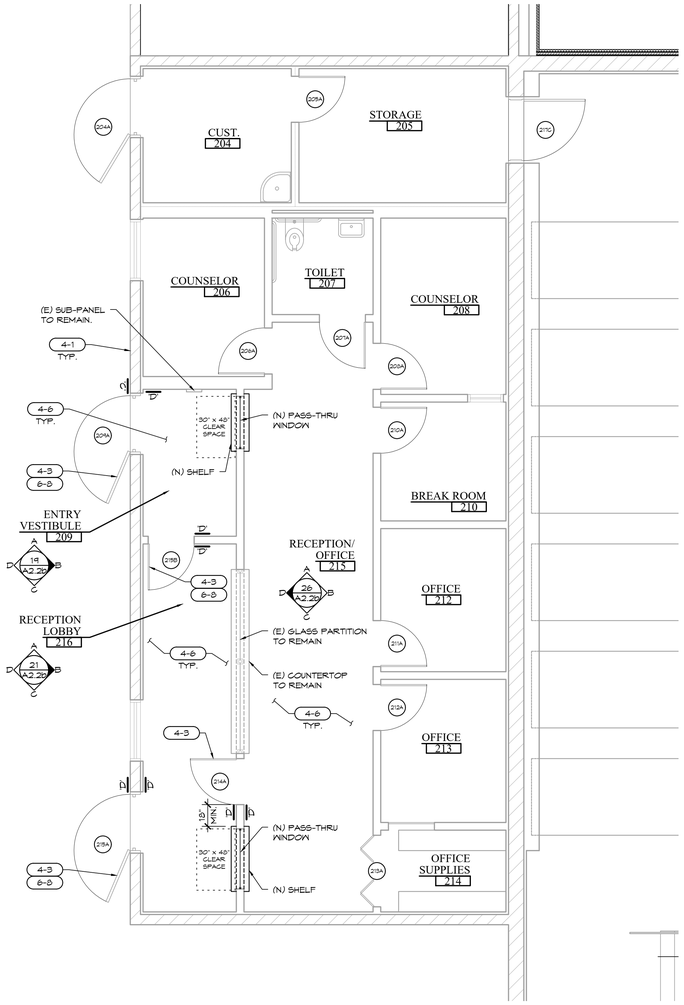


BLDG. 200 ENLARGED ADMIN DEMO FLOOR PLAN | SCALE: 1/4" = 1'-0" | 14



BLDG. 200 ENLARGED ADMIN. NEW FLOOR PLAN | SCALE: 1/4" = 1'-0" | 16

EXISTING

- 14-1 DOOR & FRAME TO REMAIN.
- 14-2 WALL & WALL TILE TO REMAIN.
- 14-3 WALL TO REMAIN, SEE WALL LEGEND. (E) FINISH TO BE REMOVED DOWN TO THE BARE STUDS.
- 14-4 WALL MOUNTED LAV. / SINK TO REMAIN.
- 14-5 TOILET PARTITION TO REMAIN.
- 14-6 MIRROR TO REMAIN.
- 14-7 WALL MOUNTED URINAL TO REMAIN.
- 14-8 WALL MOUNTED WATER CLOSET TO REMAIN.
- 14-9 TOILET SEAT COVER DISPENSER TO REMAIN.
- 14-10 CONTINUOUS TILE BASE, PROTECT IN PLACE.
- 14-11 ELECTRICAL RECEPTACLES TO REMAIN, PROTECT IN PLACE.
- 14-12 SURFACE MOUNTED TOILET PAPER DISPENSER TO REMAIN.
- 14-13 SURFACE MOUNTED SOAP DISPENSER TO REMAIN.
- 14-14 WALL TO REMAIN, SEE WALL LEGEND.
- 14-15 CONTINUOUS RUBBER TOP BASE TO REMAIN.
- 14-16 COUNTER TOP / SHELF TO REMAIN.
- 14-17 PARTITION GLASS TO REMAIN.

DEMOLITION

- 20-1 PORTION OF (E) WALL TILE & MORTAR BED/BACKER BOARD TO BE REMOVED FOR (N) FRAMING FOR (N) FIXTURES AND (N) ACCESSORIES.
- 20-2 (E) INSTANT HOT WATER HEATER TO BE REMOVED.
- 20-3 (E) PASS-THRU WINDOW TO BE REMOVED.

NEW

- 21-1 (E) DOOR W/ (N) HARDWARE, SEE DOOR SCHEDULE.
- 21-2 (N) WALL TILE, SEE PROJECT MANUAL.
- 21-3 METAL FRAMED WALL & FINISH, SEE WALL LEGEND & INTERIOR FINISH SCHEDULE.
- 21-4 CONTINUOUS TILE BASE TO MATCH EXISTING, SEE PROJECT MANUAL.
- 21-5 TOILET PARTITION, SEE PROJECT MANUAL.
- 21-6 PASS THRU WINDOW WITH COUNTER TOP / SHELF.
- 21-7 ACCESSIBLE WALL HUNG WATER CLOSET, SEE FLOOR PLAN & PLUMBING DRAWINGS.
- 21-8 ACCESSIBLE WALL HUNG LAV, SEE FLOOR PLAN & PLUMBING DRAWINGS.
- 21-9 INSTANT HOT WATER HEATER, SEE PLUMBING DRAWINGS.
- 21-10 ACCESSIBLE WALL HUNG URINAL, SEE FLOOR PLAN & PLUMBING DRAWINGS.
- 21-11 STANDARD WALL HUNG WATER CLOSET. SEE FLOOR PLAN & PLUMBING DRAWINGS.
- 21-12 STANDARD WALL HUNG URINAL, SEE FLOOR PLAN & PLUMBING DRAWINGS.
- 21-13 SURFACE MOUNTED TOILET PAPER DISPENSER, DISTRICT PROVIDED.

EXISTING

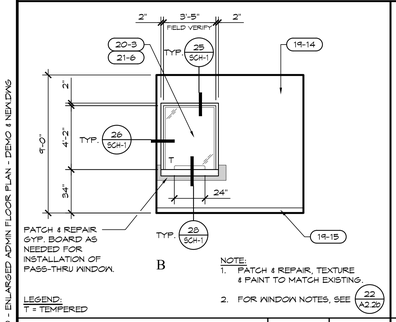
- 4-1 (E) WALL TO REMAIN, SEE WALL LEGEND.
- 4-2 (E) COLUMN TO REMAIN.
- 4-3 (E) DOOR & FRAME TO REMAIN.
- 4-4 (E) GLAZING & WINDOW FRAME TO REMAIN.
- 4-5 (E) CASEWORK TO REMAIN.
- 4-6 (E) FLOORING TO BE PROTECTED IN PLACE.
- 4-7 (E) SANITARY NAPKIN DISPENSER TO REMAIN.
- 4-8 (E) SURFACE MOUNTED TOILET SEAT DISPENSER TO REMAIN.
- 4-9 (E) WATER CLOSET, PROTECT IN PLACE.
- 4-10 (E) TOILET PARTITION, PROTECT IN PLACE.
- 4-11 (E) MIRROR TO REMAIN, PROTECT IN PLACE.
- 4-12 (E) LAVATORY, PROTECT IN PLACE.
- 4-13 (E) HVAC EQUIPMENT, PROTECT IN PLACE.
- 4-14 (E) CONCRETE PAVING, PROTECT IN PLACE.
- 4-15 (E) SOAP DISPENSER, PROTECT IN PLACE.
- 4-16 (E) FLOOR DRAIN TO REMAIN, PROTECT IN PLACE.
- 4-17 (E) GAS PRESSURE REGULATOR TO REMAIN, PROTECT IN PLACE.
- 4-18 (E) HVAC DUCTWORK TO REMAIN, SEE MECHANICAL DRAWINGS.
- 4-19 (E) PARTITION MOUNTED SANITARY NAPKIN DISPOSAL TO REMAIN.
- 4-20 (E) SURFACE MOUNTED SANITARY NAPKIN DISPOSAL TO REMAIN.
- 4-21 (E) SURFACE MOUNTED TOILET PAPER DISPENSER TO REMAIN.

DEMOLITION

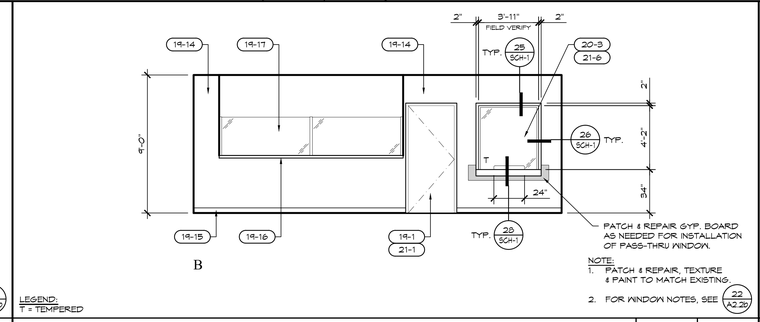
- 5-1 PORTION OF (E) WALL & (E) WALL TILE / WALL FINISH TO BE REMOVED, SEE WALL LEGEND.
- 5-2 (E) WALL TO BE REMOVED, SEE WALL LEGEND.
- 5-3 REMOVE (E) WALL HUNG MIRROR.
- 5-4 REMOVE (E) HOT WATER HEATER.
- 5-5 REMOVE (E) TILE FLOORING.
- 5-6 (E) PLUMBING FIXTURES TO BE REMOVED, SEE PLUMBING DRAWINGS.
- 5-7 REMOVE (E) ROOM IDENTIFICATION PLASTIC SIGN.
- 5-8 REMOVE (E) TOILET PARTITION COMPLETE.
- 5-9 REMOVE (E) GRAB BAR.
- 5-10 REMOVE (E) PAPER TOWEL DISPENSER.
- 5-11 REMOVE (E) TOILET PAPER DISPENSER.
- 5-12 REMOVE (E) SOAP DISPENSER.
- 5-13 REMOVE (E) SANITARY NAPKIN DISPENSER.
- 5-14 REMOVE (E) SANITARY NAPKIN DISPOSAL.
- 5-15 REMOVE (E) TOILET SEAT COVER DISPENSER.
- 5-16 REMOVE (E) MECHANICAL UNIT, SEE MECHANICAL DRAWINGS
- 5-17 SAWCUT AND REMOVE (E) CONCRETE PAVING.
- 5-18 REMOVE (E) HAND DRYER
- 5-19 SAWCUT AND REMOVE (E) CONCRETE PAD UNDER MECHANICAL UNIT.
- 5-20 (E) HVAC DUCT TRANSITION TO BE MODIFIED AS REQUIRED, SEE MECHANICAL DRAWINGS.

NEW

- 6-1 (E) TOILET PAPER DISPENSER TO BE RELOCATED ON (N) TOILET PARTITION.
- 6-2 NOT USED.
- 6-3 (N) FINISH AT WALL AND FLOOR, SEE FINISH SCHEDULE.
- 6-4 TYP. (N) ROOM IDENTIFICATION SIGN, SEE SIGNAGE LEGEND.
- 6-5 (N) TOILET PARTITION, SEE PROJECT MANUAL.
- 6-6 NOT USED.
- 6-7 (N) PLUMBING FIXTURE, SEE SYMBOL LEGEND SHEET GS-2.
- 6-8 (E) DOOR WITH (N) HARDWARE, SEE DOOR SCHEDULE.
- 6-9 (N) MECHANICAL UNITS, SEE MECHANICAL DRAWINGS.
- 6-10 (N) 4" THICK CONCRETE PAVING.
- 6-11 (N) HVAC DUCT TRANSITION AS REQUIRED, SEE MECHANICAL DRAWINGS.
- 6-12 (N) 6" THICK CONCRETE PAD FOR MECHANICAL UNITS. SLOPE TO DRAIN.



BLDG. 200 - ENTRY VESTIBULE - 209 | SCALE: 1/4" = 1'-0" | 19



BLDG. 200 - RECEPTION / OFFICE - 215 | SCALE: 1/4" = 1'-0" | 21

NOTES:

1. ALL GLAZING SHALL COMPLY WITH CHAPTER 24 OF THE 2019 CBC.
2. ALL GLAZING WITHIN 24" OF ANY DOOR AND WITHIN 60" OF THE FINISHED FLOOR LEVEL SHALL BE TEMPERED.
3. ALL GLAZING WITHIN 18" OF THE FINISHED FLOOR LEVEL SHALL BE TEMPERED.
4. ALL GLAZING SUPPORTS SHALL COMPLY WITH THE 2019 CBC, SECT. 2404.1 & .2.

WINDOW NOTES | SCALE: NONE | 22

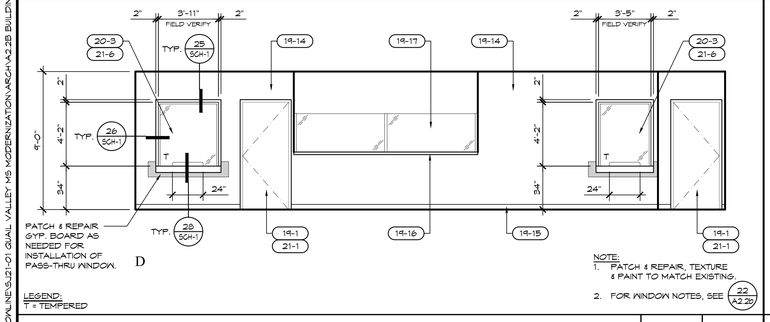
SIGNAGE LEGEND

- 'A' RESTROOM DOOR SIGN TYPE 'A', SEE 1 AD-3
- 'B' RESTROOM WALL SIGN TYPE 'B', SEE 2 AD-3
- 'C' SIGN TYPE 'C', SEE 3 AD-3
- 'D' SIGN TYPE 'D', SEE 4 AD-3
- BLANK SIGN, GLUE TO WINDOW OPPOSITE NEW SIGN

NOTE:
FOR SIGNAGE AT SINGLE RESTROOM DOORS, ALSO SEE 5 AD-3
FOR SIGNAGE AT DOUBLE DOORS, ALSO SEE 6 AD-3

FLOOR PLAN KEYNOTES

- (E) 6" STEEL STUD WALLS TO REMAIN.
- (E) WALL TILE ON A 2" FULL SETTING BED, PROTECT IN PLACE.
- (N) WALL TILE ON A 2" FULL SETTING BED, SEE PROJECT MANUAL.
- (E) 8x8x16 CONCRETE BLOCK WALL, PROTECT IN PLACE.
- (N) 8x8x16 CONCRETE BLOCK WALL, SEE 1 AD-2



BLDG. 200 - RECEPTION LOBBY - 216 | SCALE: 1/4" = 1'-0" | 26

27

28

WALL LEGEND

29

REVISIONS	BY
1 ADDENDUM 01	R.S.

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ARCHITECT

LICENSED ARCHITECT
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No. C-27546
REN. 6-2027
STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
BUILDING 200 - ENLARGED ADMIN FLOOR PLAN - DEMO & NEW

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET: A2.2b

ADDENDUM 1, EXHIBIT "B"

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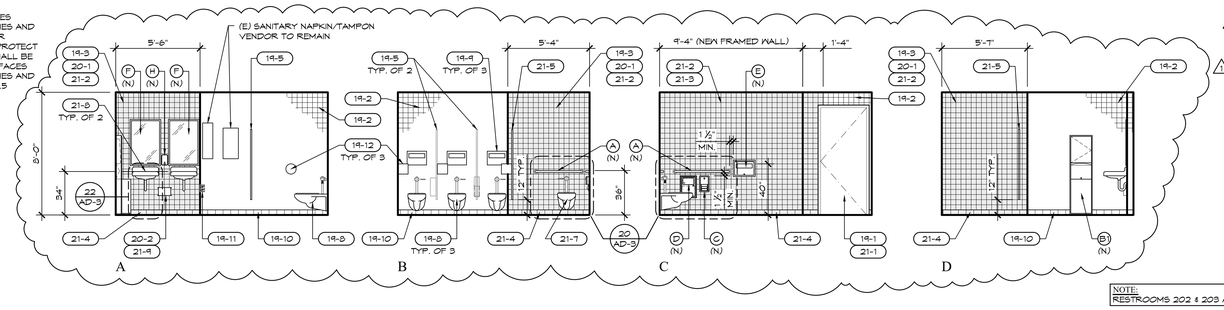
Z:\SNOWLINE\SJ21-01 QUAIL VALLEY MS MODERNIZATION\ARCH\A2.2B BUILDING 200 - ENLARGED ADMIN FLOOR PLAN - DEMO & NEW.DWG

PLOT SCALE: 0.75 (22x34) 1.5 (11x17)
PLOT DATE: 10/15/2026 1:45:18 PM

NOTE:
WATER SUPPLY AND DRAINPIPES UNDER ACCESSIBLE LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER ACCESSIBLE LAVATORIES AND SINKS. CBC SECTION 11B-606.5



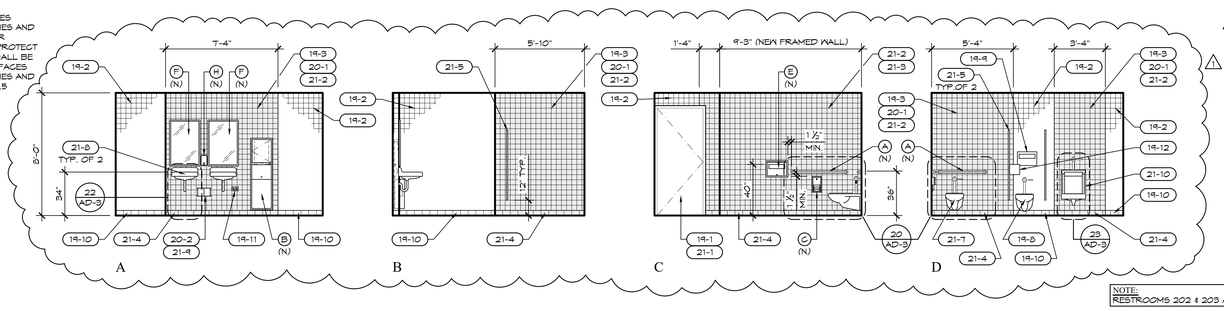
AGE GROUP: ADULT

NOTE:
RESTROOMS 202 & 203 ARE AGE GROUP: ADULT.

BLDG. 200 - WOMENS' RESTROOM - 202

SCALE: 1/4" = 1'-0" | 4

NOTE:
WATER SUPPLY AND DRAINPIPES UNDER ACCESSIBLE LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER ACCESSIBLE LAVATORIES AND SINKS. CBC SECTION 11B-606.5



AGE GROUP: ADULT

NOTE:
RESTROOMS 202 & 203 ARE AGE GROUP: ADULT.

BLDG. 200 - MEN'S RESTROOM - 203

SCALE: 1/4" = 1'-0" | 10

TOILET ACCESSORIES KEYNOTES

- (A) 1½" DIA. STAINLESS STEEL GRAB BARS, 42" LENGTH BOBRICK: MODEL# B-5806.99 x 42 AND 36" LENGTH, BOBRICK: MODEL# B-5806.99 x 36
- (B) ACCESSIBLE RECESSED PAPER TOWEL & WASTE RECEPTACLE, BOBRICK: MODEL# B-3944
- (B1) ACCESSIBLE SURFACE MOUNTED PAPER TOWEL & WASTE RECEPTACLE, BOBRICK: MODEL# B-3949.
- (C) ACCESSIBLE RECESSED MULTI-ROLL TOILET TISSUE DISPENSER, BOBRICK: MODEL# B-3888
- (D) ACCESSIBLE RECESSED SANITARY NAPKIN DISPOSAL, BOBRICK: MODEL# B-353
- (E) ACCESSIBLE RECESSED MOUNTED TOILET SEAT-COVER DISPENSER, BOBRICK: MODEL# B-301
- (F) ACCESSIBLE 24" x 36" TEMPERED MIRROR WITH STAINLESS STEEL FRAME, BOBRICK: MODEL# B-2905
- (G) ~~ACCESSIBLE 24" x 36" TILT MIRROR WITH STAINLESS STEEL FRAME, BOBRICK: MODEL# B-243~~ Δ1
- (H) ACCESSIBLE SURFACE MOUNTED SOAP DISPENSER, BOBRICK: MODEL# B-2111
- (I) ACCESSIBLE ELECTRIC HAND DRYER WITH 4" MAX. PROJECTION FROM FINISH WALL SURFACE, MODEL DYSON AIRBLADE V
- (J) ACCESSIBLE RECESSED SANITARY DISPENSER, BOBRICK: MODEL# B-3706T
- (K) SURFACE MOUNTED TOILET SEAT-COVER DISPENSER, BOBRICK: MODEL# B-221
- (L) RECESSED DUAL-ROLL TOILET TISSUE DISPENSER WITH HOODS, BOBRICK: MODEL# B-6881
- (M) SURFACE MOUNTED DUAL-ROLL TOILET TISSUE DISPENSER WITH HOODS, BOBRICK: MODEL# B-6881 Δ1
- (N) PARTITION MOUNTED SANITARY NAPKIN DISPOSAL, BOBRICK: MODEL# B-354
- (O) SURFACE MOUNTED SANITARY NAPKIN DISPOSAL, BOBRICK: MODEL# B-254

NOTES:

1. CONTRACTOR TO REMOVE ALL EXISTING TOILET ACCESSORIES AS REQUIRED PER DEMO PLANS AND DELIVER TO OWNER. Δ1
2. PROVIDE NEW TOILET ACCESSORIES AS SHOWN ON PLAN.
3. CONTRACTOR TO INSTALL ALL OWNER FURNISHED TOILET ACCESSORIES AT ALL STANDARD/NON-ADA STALLS.
4. FOR ACCESSORY MOUNTING HEIGHTS, SEE 9/AD-3

INTERIOR ELEVATION KEYNOTES

EXISTING

- 19-1 DOOR & FRAME TO REMAIN.
- 19-2 WALL & WALL TILE TO REMAIN.
- 19-3 WALL TO REMAIN, SEE WALL LEGEND. (E) FINISH TO BE REMOVED DOWN TO THE BARE STUDS. Δ1
- 19-4 WALL MOUNTED LAV. / SINK TO REMAIN.
- 19-5 TOILET PARTITION TO REMAIN.
- 19-6 MIRROR TO REMAIN.
- 19-7 WALL MOUNTED URINAL TO REMAIN.
- 19-8 WALL MOUNTED WATER CLOSET TO REMAIN. Δ1
- 19-9 TOILET SEAT COVER DISPENSER TO REMAIN.
- 19-10 CONTINUOUS TILE BASE, PROTECT IN PLACE. Δ1
- 19-11 ELECTRICAL RECEPTACLES TO REMAIN, PROTECT IN PLACE.
- 19-12 SURFACE MOUNTED TOILET PAPER DISPENSER TO REMAIN. Δ1
- 19-13 SURFACE MOUNTED SOAP DISPENSER TO REMAIN. Δ1
- 19-14 WALL TO REMAIN, SEE WALL LEGEND.
- 19-15 CONTINUOUS RUBBER TOP BASE TO REMAIN. Δ1
- 19-16 COUNTER TOP / SHELF TO REMAIN.
- 19-17 PARTITION GLASS TO REMAIN.

DEMOLITION

- 20-1 PORTION OF (E) WALL TILE & MORTAR BED/BACKER BOARD TO BE REMOVED FOR (N) FRAMING FOR (N) FIXTURES AND (N) ACCESSORIES.
- 20-2 (E) INSTANT HOT WATER HEATER TO BE REMOVED.
- 20-3 (E) PASS-THRU WINDOW TO BE REMOVED. Δ1

NEW

- 21-1 (E) DOOR W/ (N) HARDWARE SEE DOOR SCHEDULE. Δ1
- 21-2 (N) WALL TILE, SEE PROJECT MANUAL.
- 21-3 METAL FRAMED WALL & FINISH, SEE WALL LEGEND & INTERIOR FINISH SCHEDULE.
- 21-4 CONTINUOUS TILE BASE TO MATCH EXISTING, SEE PROJECT MANUAL. Δ1
- 21-5 TOILET PARTITION, SEE PROJECT MANUAL.
- 21-6 PASS THRU WINDOW WITH COUNTER TOP / SHELF.
- 21-7 ACCESSIBLE WALL HUNG WATER CLOSET, SEE FLOOR PLAN & PLUMBING DRAWINGS. Δ1
- 21-8 ACCESSIBLE WALL HUNG LAV, SEE FLOOR PLAN & PLUMBING DRAWINGS. Δ1
- 21-9 INSTANT HOT WATER HEATER, SEE PLUMBING DRAWINGS.
- 21-10 ACCESSIBLE WALL HUNG URINAL, SEE FLOOR PLAN & PLUMBING DRAWINGS.
- 21-11 STANDARD WALL HUNG WATER CLOSET, SEE FLOOR PLAN & PLUMBING DRAWINGS.
- 21-12 STANDARD WALL HUNG URINAL, SEE FLOOR PLAN & PLUMBING DRAWINGS.
- 21-13 SURFACE MOUNTED TOILET PAPER DISPENSER, DISTRICT PROVIDED. Δ1

REVISIONS	BY
Δ1 ADDENDUM 01	R.S.

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ENGINEER

ARCHITECT

LICENSED ARCHITECT
RICHARD A. SJOBERG
No. C-27546
REN. 6-2027
STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
BUILDING 200 - INTERIOR ELEVATIONS - RESTROOMS

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET:

A2.3

ADDENDUM 1, EXHIBIT "B"

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SHEET SIZE: ARCH E (30"X42")
PLOT DATE: 10/15/2026 1:54:31 PM

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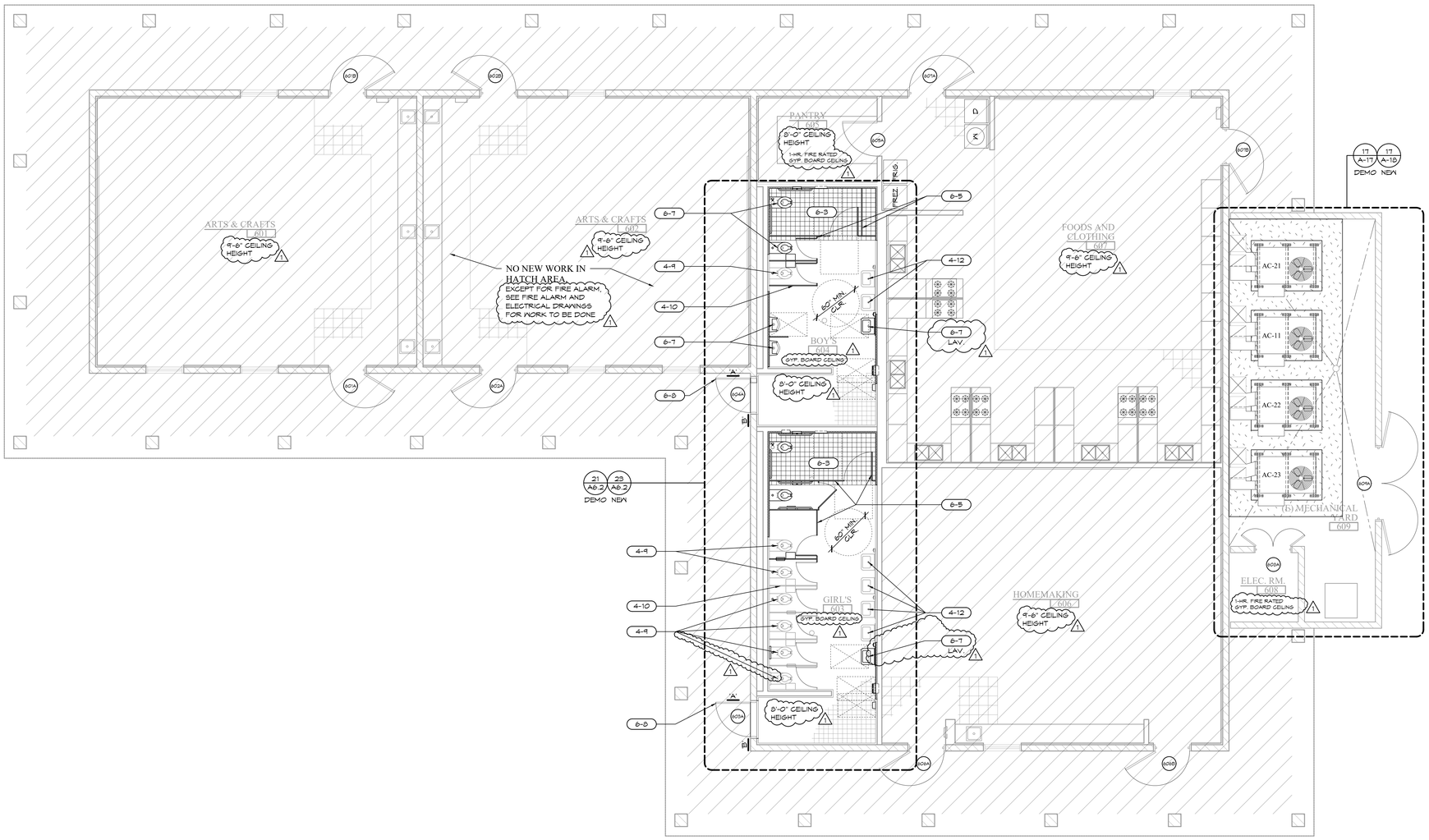

NORTH

BUILDING 600 - FLOOR PLAN

SCALE: 3/16" = 1'-0"

29

EXISTING

- 4-1 (E) WALL TO REMAIN, SEE WALL LEGEND.
- 4-2 (E) COLUMN TO REMAIN.
- 4-3 (E) DOOR & FRAME TO REMAIN.
- 4-4 (E) GLAZING & WINDOW FRAME TO REMAIN.
- 4-5 (E) CASEWORK TO REMAIN.
- 4-6 (E) FLOORING TO BE PROTECTED IN PLACE.
- 4-7 (E) SANITARY NAPKIN DISPENSER TO REMAIN.
- 4-8 (E) SURFACE MOUNTED TOILET SEAT DISPENSER TO REMAIN. 1
- 4-9 (E) WATER CLOSET, PROTECT IN PLACE.
- 4-10 (E) TOILET PARTITION, PROTECT IN PLACE.
- 4-11 (E) MIRROR TO REMAIN, PROTECT IN PLACE. 1
- 4-12 (E) LAVATORY, PROTECT IN PLACE.
- 4-13 (E) HVAC EQUIPMENT, PROTECT IN PLACE.
- 4-14 (E) CONCRETE PAVING, PROTECT IN PLACE.
- 4-15 (E) SOAP DISPENSER, PROTECT IN PLACE.
- 4-16 (E) FLOOR DRAIN TO REMAIN, PROTECT IN PLACE. 1
- 4-17 (E) GAS PRESSURE REGULATOR TO REMAIN, PROTECT IN PLACE.
- 4-18 (E) HVAC DUCTWORK TO REMAIN, SEE MECHANICAL DRAWINGS.
- 4-19 (E) PARTITION MOUNTED SANITARY NAPKIN DISPOSAL TO REMAIN.
- 4-20 (E) SURFACE MOUNTED SANITARY NAPKIN DISPOSAL TO REMAIN.
- 4-21 (E) SURFACE MOUNTED TOILET PAPER DISPENSER TO REMAIN.

DEMOLITION

- 5-1 PORTION OF (E) WALL & (E) WALL TILE / WALL FINISH TO BE REMOVED, SEE WALL LEGEND. 1
- 5-2 (E) WALL TO BE REMOVED, SEE WALL LEGEND.
- 5-3 REMOVE (E) WALL HUNG MIRROR.
- 5-4 REMOVE (E) HOT WATER HEATER. 1
- 5-5 REMOVE (E) TILE FLOORING.
- 5-6 (E) PLUMBING FIXTURES TO BE REMOVED, SEE PLUMBING DRAWINGS.
- 5-7 REMOVE (E) ROOM IDENTIFICATION PLASTIC SIGN.
- 5-8 REMOVE (E) TOILET PARTITION COMPLETE.
- 5-9 REMOVE (E) GRAB BAR.
- 5-10 REMOVE (E) PAPER TOWEL DISPENSER.
- 5-11 REMOVE (E) TOILET PAPER DISPENSER.
- 5-12 REMOVE (E) SOAP DISPENSER.
- 5-13 REMOVE (E) SANITARY NAPKIN DISPENSER.
- 5-14 REMOVE (E) SANITARY NAPKIN DISPOSAL.
- 5-15 REMOVE (E) TOILET SEAT COVER DISPENSER. 1
- 5-16 REMOVE (E) MECHANICAL UNIT, SEE MECHANICAL DRAWINGS
- 5-17 SAWCUT AND REMOVE (E) CONCRETE PAVING. 1
- 5-18 REMOVE (E) HAND DRYER
- 5-19 SAWCUT AND REMOVE (E) CONCRETE PAD UNDER MECHANICAL UNIT.
- 5-20 (E) HVAC DUCT TRANSITION TO BE MODIFIED AS REQUIRED, SEE MECHANICAL DRAWINGS. 1

NEW

- 6-1 (E) TOILET PAPER DISPENSER TO BE RELOCATED ON (N) TOILET PARTITION. 1
- 6-2 NOT USED.
- 6-3 (N) FINISH AT WALL AND FLOOR, SEE FINISH SCHEDULE.
- 6-4 TYP. (N) ROOM IDENTIFICATION SIGN, SEE SIGNAGE LEGEND.
- 6-5 (N) TOILET PARTITION, SEE PROJECT MANUAL.
- 6-6 NOT USED. 1
- 6-7 (N) PLUMBING FIXTURE, SEE SYMBOL LEGEND SHEET GS-2.
- 6-8 (E) DOOR WITH (N) HARDWARE, SEE DOOR SCHEDULE.
- 6-9 (N) MECHANICAL UNITS, SEE MECHANICAL DRAWINGS.
- 6-10 (N) 4" THICK CONCRETE PAVING.
- 6-11 (N) HVAC DUCT TRANSITION AS REQUIRED, SEE MECHANICAL DRAWINGS.
- 6-12 (N) 6" THICK CONCRETE PAD FOR MECHANICAL UNITS. SLOPE TO DRAIN. 1

FLOOR PLAN KEYNOTES

- (E) 6" STEEL STUD WALLS TO REMAIN.
- (E) WALL TILE ON A 2" FULL SETTING BED, PROTECT IN PLACE.
- (N) WALL TILE ON A 2" FULL SETTING BED, SEE PROJECT MANUAL.
- (E) 8x8x16 CONCRETE BLOCK WALL, PROTECT IN PLACE.
- (N) 8x8x16 CONCRETE BLOCK WALL, SEE 1 AD-2 1

WALL LEGEND

REVISIONS	BY
1 ADDENDUM 01	R.S.

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ENGINEER

ARCHITECT

LICENSED ARCHITECT — STATE OF CALIFORNIA — RICHARD D. BASTIAN — No. C-27546 — REN. 6-2027

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
BUILDING 600 - OVER ALL FLOOR PLAN

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET: **A6.1**

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ADDENDUM 1, EXHIBIT "B"

SHEET SIZE: ARCH E (30"X42")
PLOT DATE: 10/15/2026 - 8:53:52 PM

XREFS:
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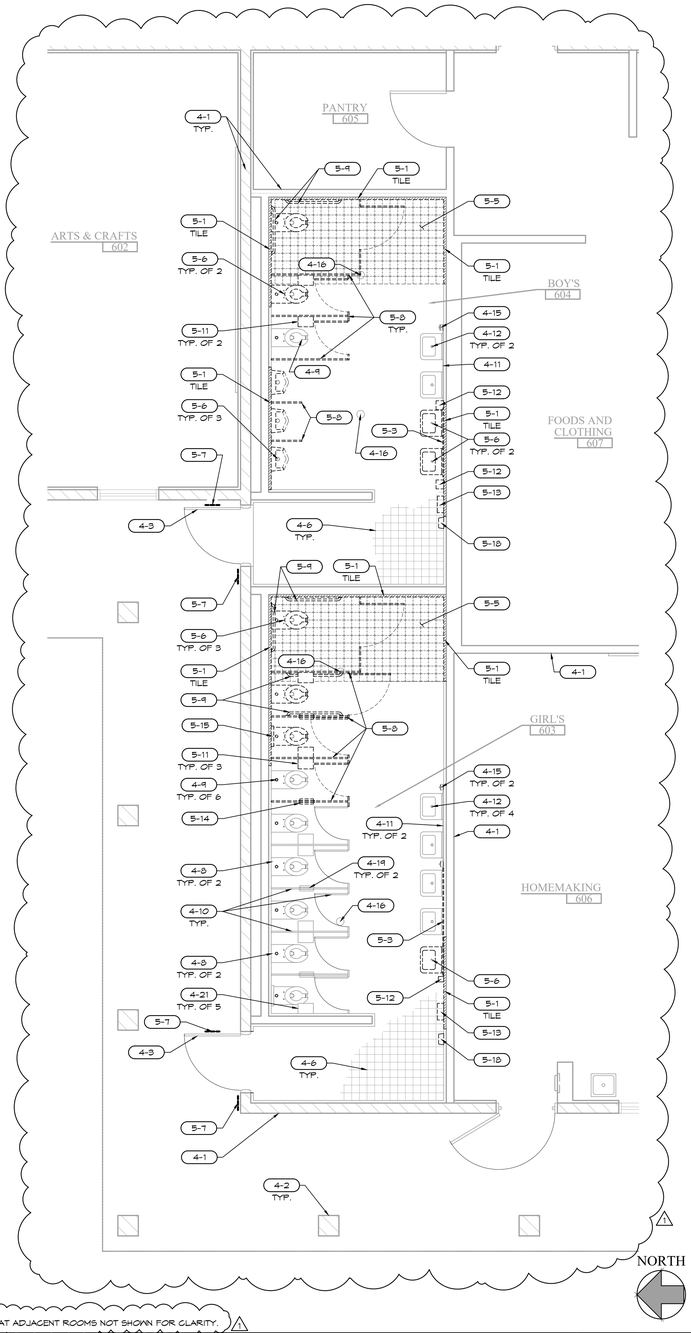
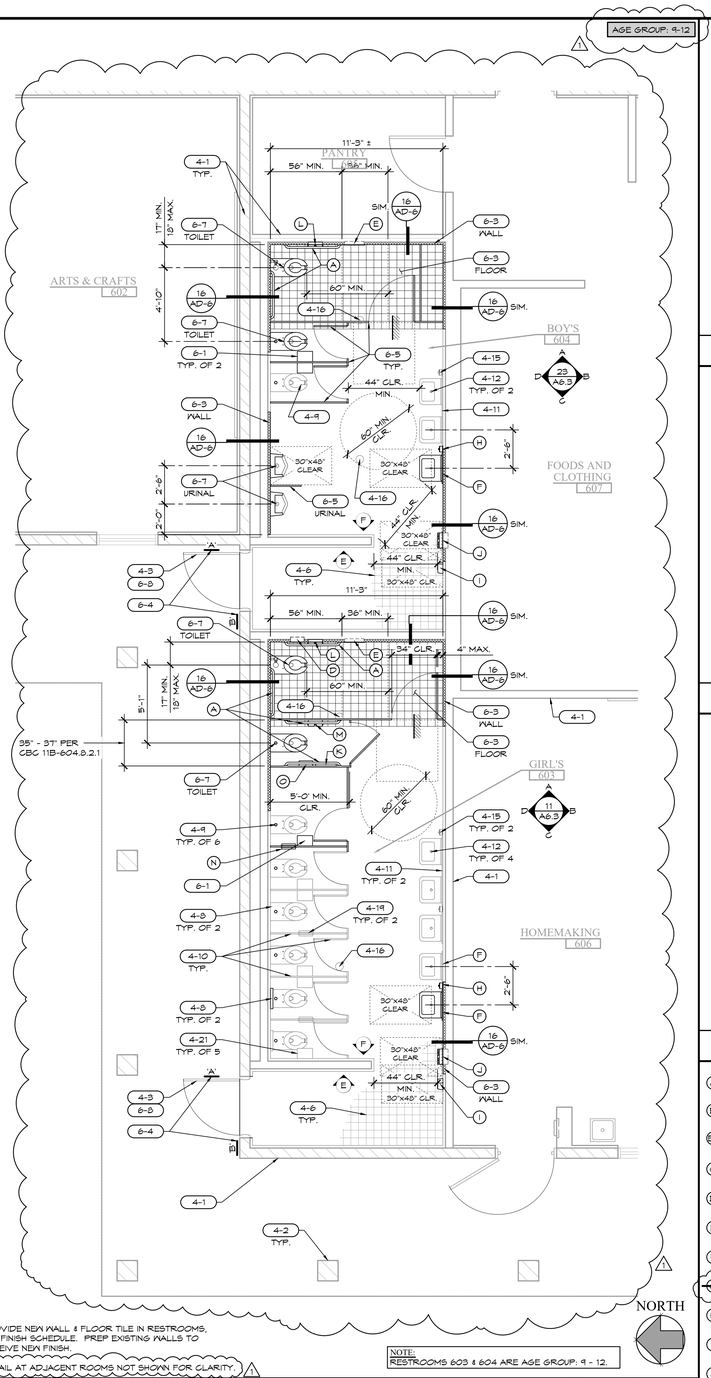


NOTE:
DETAIL AT ADJACENT ROOMS NOT SHOWN FOR CLARITY. ⚠1

ENLARGED FLOOR PLAN - DEMO RESTROOMS | SCALE: ¼" = 1'-0" | 21



NOTE:
1. PROVIDE NEW WALL & FLOOR TILE IN RESTROOMS, SEE FINISH SCHEDULE. PREP EXISTING WALLS TO RECEIVE NEW FINISH.
2. DETAIL AT ADJACENT ROOMS NOT SHOWN FOR CLARITY. ⚠1

NOTE:
RESTROOMS 603 & 604 ARE AGE GROUP: 9 - 12.

ENLARGED FLOOR PLAN - NEW RESTROOMS | SCALE: ¼" = 1'-0" | 23

- 'A' RESTROOM DOOR SIGN TYPE 'A', SEE 1 AD-3
- 'B' RESTROOM WALL SIGN TYPE 'B', SEE 2 AD-3
- 'C' SIGN TYPE 'C', SEE 3 AD-3
- 'D' SIGN TYPE 'D', SEE 4 AD-3
- BLANK SIGN, GLUE TO WINDOW OPPOSITE NEW SIGN

NOTE:
FOR SIGNAGE AT SINGLE RESTROOM DOORS, ALSO SEE 5 AD-3
FOR SIGNAGE AT DOUBLE DOORS, ALSO SEE 6 AD-3

SIGNAGE LEGEND

- (A) 1½" DIA. STAINLESS STEEL GRAB BARS, 42" LENGTH BOBRICK: MODEL# B-5806.99 x 42 AND 36" LENGTH, BOBRICK: MODEL# B-5806.99 x 36
- (B) ACCESSIBLE RECESSED PAPER TOWEL & WASTE RECEPTACLE, BOBRICK: MODEL# B-3944
- (B1) ACCESSIBLE SURFACE MOUNTED PAPER TOWEL & WASTE RECEPTACLE, BOBRICK: MODEL# B-3949.
- (C) ACCESSIBLE RECESSED MULTI-ROLL TOILET TISSUE DISPENSER, BOBRICK: MODEL# B-3888
- (D) ACCESSIBLE RECESSED SANITARY NAPKIN DISPOSAL, BOBRICK: MODEL# B-353
- (E) ACCESSIBLE RECESSED MOUNTED TOILET SEAT-COVER DISPENSER, BOBRICK: MODEL# B-301
- (F) ACCESSIBLE 24" x 36" TEMPERED MIRROR WITH STAINLESS STEEL FRAME, BOBRICK: MODEL# B-2900
- (G) ~~ACCESSIBLE 24" x 36" TILT MIRROR WITH STAINLESS STEEL FRAME, BOBRICK: MODEL# B-295~~ ⚠1
- (H) ACCESSIBLE SURFACE MOUNTED SOAP DISPENSER, BOBRICK: MODEL# B-2111
- (I) ACCESSIBLE ELECTRIC HAND DRYER WITH 4" MAX. PROJECTION FROM FINISH WALL SURFACE, MODEL DYSON AIRBLADE V
- (J) ACCESSIBLE RECESSED SANITARY DISPENSER, BOBRICK: MODEL# B-3706T
- (K) SURFACE MOUNTED TOILET SEAT-COVER DISPENSER, BOBRICK: MODEL# B-221
- (L) RECESSED DUAL-ROLL TOILET TISSUE DISPENSER WITH HOODS, BOBRICK: MODEL# B-6997
- (M) SURFACE MOUNTED DUAL-ROLL TOILET TISSUE DISPENSER WITH HOODS, BOBRICK: MODEL# B-69997
- (N) PARTITION MOUNTED SANITARY NAPKIN DISPOSAL, BOBRICK: MODEL# B-354
- (O) SURFACE MOUNTED SANITARY NAPKIN DISPOSAL, BOBRICK: MODEL# B-254

TOILET ACCESSORIES KEYNOTES

NOTES:
1. ~~CONTRACTOR TO REMOVE ALL~~ EXISTING TOILET ACCESSORIES ~~AS REQUIRED PER DEMO PLANS~~ AND DELIVER TO OWNER. ⚠1
2. PROVIDE NEW TOILET ACCESSORIES AS SHOWN ON PLAN.
3. CONTRACTOR TO INSTALL ALL OWNER FURNISHED TOILET ACCESSORIES AT ALL STANDARD/NON-ADA STALLS.
4. FOR ACCESSORY MOUNTING HEIGHTS, SEE 9 AD-5

EXISTING

- 4-1 (E) WALL TO REMAIN, SEE WALL LEGEND.
- 4-2 (E) COLUMN TO REMAIN.
- 4-3 (E) DOOR & FRAME TO REMAIN.
- 4-4 (E) GLAZING & WINDOW FRAME TO REMAIN.
- 4-5 (E) CASEWORK TO REMAIN.
- 4-6 (E) FLOORING TO BE PROTECTED IN PLACE.
- 4-7 (E) SANITARY NAPKIN DISPENSER TO REMAIN.
- 4-8 (E) SURFACE MOUNTED TOILET SEAT DISPENSER TO REMAIN. ⚠1
- 4-9 (E) WATER CLOSET, PROTECT IN PLACE.
- 4-10 (E) TOILET PARTITION, PROTECT IN PLACE.
- 4-11 (E) MIRROR TO REMAIN, PROTECT IN PLACE. ⚠1
- 4-12 (E) LAVATORY, PROTECT IN PLACE.
- 4-13 (E) HVAC EQUIPMENT, PROTECT IN PLACE.
- 4-14 (E) CONCRETE PAVING, PROTECT IN PLACE.
- 4-15 (E) SOAP DISPENSER, PROTECT IN PLACE.
- 4-16 (E) FLOOR DRAIN TO REMAIN, PROTECT IN PLACE. ⚠1
- 4-17 (E) GAS PRESSURE REGULATOR TO REMAIN, PROTECT IN PLACE.
- 4-18 (E) HVAC DUCTWORK TO REMAIN, SEE MECHANICAL DRAWINGS.
- 4-19 (E) PARTITION MOUNTED SANITARY NAPKIN DISPOSAL TO REMAIN.
- 4-20 (E) SURFACE MOUNTED SANITARY NAPKIN DISPOSAL TO REMAIN.
- 4-21 (E) SURFACE MOUNTED TOILET PAPER DISPENSER TO REMAIN.

DEMOLITION

- 5-1 PORTION OF (E) WALL & (E) WALL TILE / WALL FINISH TO BE REMOVED, SEE WALL LEGEND. ⚠1
- 5-2 (E) WALL TO BE REMOVED, SEE WALL LEGEND.
- 5-3 REMOVE (E) WALL HUNG MIRROR.
- 5-4 REMOVE (E) HOT WATER HEATER. ⚠1
- 5-5 REMOVE (E) TILE FLOORING.
- 5-6 (E) PLUMBING FIXTURES TO BE REMOVED, SEE PLUMBING DRAWINGS.
- 5-7 REMOVE (E) ROOM IDENTIFICATION PLASTIC SIGN.
- 5-8 REMOVE (E) TOILET PARTITION COMPLETE.
- 5-9 REMOVE (E) GRAB BAR.
- 5-10 REMOVE (E) PAPER TOWEL DISPENSER.
- 5-11 REMOVE (E) TOILET PAPER DISPENSER.
- 5-12 REMOVE (E) SOAP DISPENSER.
- 5-13 REMOVE (E) SANITARY NAPKIN DISPENSER.
- 5-14 REMOVE (E) SANITARY NAPKIN DISPOSAL.
- 5-15 REMOVE (E) TOILET SEAT COVER DISPENSER. ⚠1
- 5-16 REMOVE (E) MECHANICAL UNIT, SEE MECHANICAL DRAWINGS
- 5-17 SAWCUT AND REMOVE (E) CONCRETE PAVING. ⚠1
- 5-18 REMOVE (E) HAND DRYER
- 5-19 SAWCUT AND REMOVE (E) CONCRETE PAD UNDER MECHANICAL UNIT.
- 5-20 (E) HVAC DUCT TRANSITION TO BE MODIFIED AS REQUIRED, SEE MECHANICAL DRAWINGS. ⚠1

NEW

- 6-1 (E) TOILET PAPER DISPENSER TO BE RELOCATED ON (N) TOILET PARTITION. ⚠1
- 6-2 NOT USED.
- 6-3 (N) FINISH AT WALL AND FLOOR, SEE FINISH SCHEDULE.
- 6-4 TYP. (N) ROOM IDENTIFICATION SIGN, SEE SIGNAGE LEGEND.
- 6-5 (N) TOILET PARTITION, SEE PROJECT MANUAL.
- 6-6 NOT USED. ⚠1
- 6-7 (N) PLUMBING FIXTURE, SEE SYMBOL LEGEND SHEET G6-2.
- 6-8 (E) DOOR WITH (N) HARDWARE, SEE DOOR SCHEDULE.
- 6-9 (N) MECHANICAL UNITS, SEE MECHANICAL DRAWINGS.
- 6-10 (N) 4" THICK CONCRETE PAVING.
- 6-11 (N) HVAC DUCT TRANSITION AS REQUIRED, SEE MECHANICAL DRAWINGS.
- 6-12 (N) 6" THICK CONCRETE PAD FOR MECHANICAL UNITS. SLOPE TO DRAIN. ⚠1

FLOOR PLAN KEYNOTES

- (E) 6" STEEL STUD WALLS TO REMAIN.
- (E) WALL TILE ON A 2" FULL SETTING BED, PROTECT IN PLACE.
- (N) WALL TILE ON A 2" FULL SETTING BED, SEE PROJECT MANUAL.
- (E) 8x8x16 CONCRETE BLOCK WALL, PROTECT IN PLACE.
- (N) 8x8x16 CONCRETE BLOCK WALL, SEE 1 AD-2 ⚠1

WALL LEGEND

REVISIONS	BY
⚠1 ADDENDUM 01	R.S.

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NO. C-27546
REN. 6-2027
STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
BUILDING 600 - ENLARGED RESTROOM FLOOR PLANS - DEMO & NEW

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET: **A6.2**

ADDENDUM 1, EXHIBIT "B"

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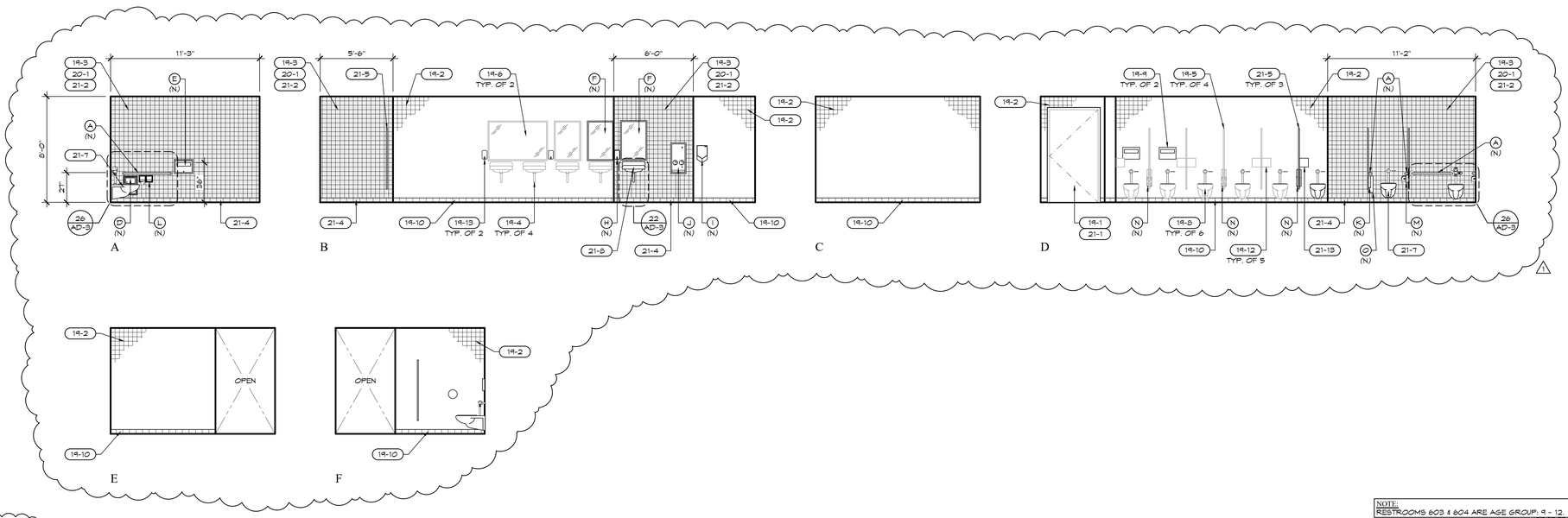
SHEET SIZE: ARCH E (30"X42")
PLOT DATE: 10/15/2026 12:16 PM



AGE GROUP: 9 - 12

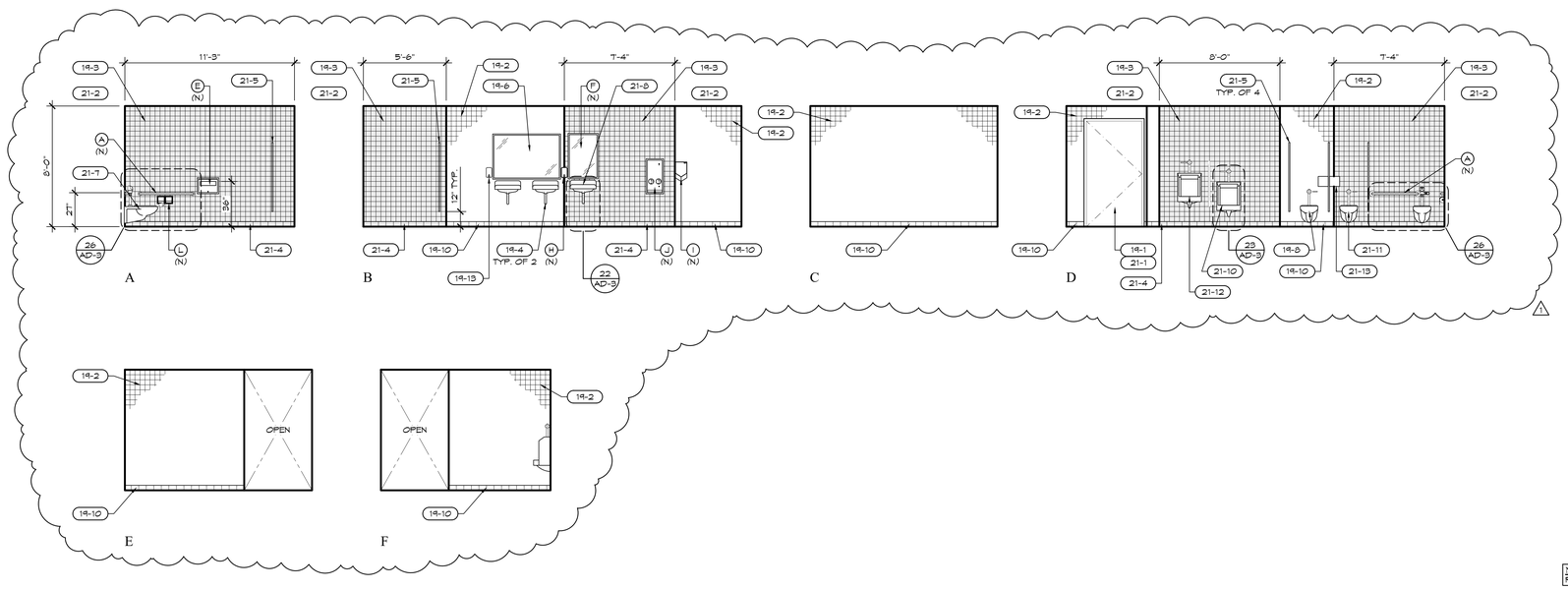
BLDG. 600 - GIRL'S RESTROOM 603

NOTE:
RESTROOMS 603 & 604 ARE AGE GROUP: 9 - 12.

SCALE: ¼" = 1'-0"

11

AGE GROUP: 9 - 12



BLDG. 600 - BOY'S RESTROOM - 604

NOTE:
RESTROOMS 603 & 604 ARE AGE GROUP: 9 - 12.

SCALE: ¼" = 1'-0"

23

EXISTING

- 19-1 DOOR & FRAME TO REMAIN.
- 19-2 WALL & WALL TILE TO REMAIN.
- 19-3 WALL TO REMAIN, SEE WALL LEGEND. (E) FINISH TO BE REMOVED DOWN TO THE BARE STUDS.
- 19-4 WALL MOUNTED LAV. / SINK TO REMAIN.
- 19-5 TOILET PARTITION TO REMAIN.
- 19-6 MIRROR TO REMAIN.
- 19-7 WALL MOUNTED URINAL TO REMAIN.
- 19-8 WALL MOUNTED WATER CLOSET TO REMAIN.
- 19-9 TOILET SEAT COVER DISPENSER TO REMAIN.
- 19-10 CONTINUOUS TILE BASE, PROTECT IN PLACE.
- 19-11 ELECTRICAL RECEPTACLES TO REMAIN, PROTECT IN PLACE.
- 19-12 SURFACE MOUNTED TOILET PAPER DISPENSER TO REMAIN.
- 19-13 SURFACE MOUNTED SOAP DISPENSER TO REMAIN.
- 19-14 WALL TO REMAIN, SEE WALL LEGEND.
- 19-15 CONTINUOUS RUBBER TOP BASE TO REMAIN.
- 19-16 COUNTER TOP / SHELF TO REMAIN.
- 19-17 PARTITION GLASS TO REMAIN.

DEMOLITION

- 20-1 PORTION OF (E) WALL TILE & MORTAR BED/BACKER BOARD TO BE REMOVED FOR (N) FRAMING FOR (N) FIXTURES AND (N) ACCESSORIES.
- 20-2 (E) INSTANT HOT WATER HEATER TO BE REMOVED.
- 20-3 (E) PASS-THRU WINDOW TO BE REMOVED.

NEW

- 21-1 (E) DOOR W/ (N) HARDWARE, SEE DOOR SCHEDULE.
- 21-2 (N) WALL TILE, SEE PROJECT MANUAL.
- 21-3 METAL FRAMED WALL & FINISH, SEE WALL LEGEND & INTERIOR FINISH SCHEDULE.
- 21-4 CONTINUOUS TILE BASE TO MATCH EXISTING, SEE PROJECT MANUAL.
- 21-5 TOILET PARTITION, SEE PROJECT MANUAL.
- 21-6 PASS THRU WINDOW WITH COUNTER TOP / SHELF.
- 21-7 ACCESSIBLE WALL HUNG WATER CLOSET, SEE FLOOR PLAN & PLUMBING DRAWINGS.
- 21-8 ACCESSIBLE WALL HUNG LAV, SEE FLOOR PLAN & PLUMBING DRAWINGS.
- 21-9 INSTANT HOT WATER HEATER, SEE PLUMBING DRAWINGS.
- 21-10 ACCESSIBLE WALL HUNG URINAL, SEE FLOOR PLAN & PLUMBING DRAWINGS.
- 21-11 STANDARD WALL HUNG WATER CLOSET, SEE FLOOR PLAN & PLUMBING DRAWINGS.
- 21-12 STANDARD WALL HUNG URINAL, SEE FLOOR PLAN & PLUMBING DRAWINGS.
- 21-13 SURFACE MOUNTED TOILET PAPER DISPENSER, DISTRICT PROVIDED.

INTERIOR ELEVATION KEYNOTES

- (A) 1½" DIA. STAINLESS STEEL GRAB BARS, 42" LENGTH BOBRICK: MODEL# B-5806.99 x 42 AND 36" LENGTH, BOBRICK: MODEL# B-5806.99 x 36
- (B) ACCESSIBLE RECESSED PAPER TOWEL & WASTE RECEPTACLE, BOBRICK: MODEL# B-3944
- (B1) ACCESSIBLE SURFACE MOUNTED PAPER TOWEL & WASTE RECEPTACLE, BOBRICK: MODEL# B-3944.
- (C) ACCESSIBLE RECESSED MULTI-ROLL TOILET TISSUE DISPENSER, BOBRICK: MODEL# B-3888
- (D) ACCESSIBLE RECESSED SANITARY NAPKIN DISPOSAL, BOBRICK: MODEL# B-353
- (E) ACCESSIBLE RECESSED MOUNTED TOILET SEAT-COVER DISPENSER, BOBRICK: MODEL# B-301
- (F) ACCESSIBLE 24" x 36" TEMPERED MIRROR WITH STAINLESS STEEL FRAME, BOBRICK: MODEL# B-2408
- (G) ~~ACCESSIBLE 24" x 36" SURFACE MIRROR WITH STAINLESS STEEL FRAME, BOBRICK: MODEL# B-290~~
- (H) ACCESSIBLE SURFACE MOUNTED SOAP DISPENSER, BOBRICK: MODEL# B-2111
- (I) ACCESSIBLE ELECTRIC HAND DRYER WITH 4" MAX. PROJECTION FROM FINISH WALL SURFACE, MODEL DYSON AIRBLADE V
- (J) ACCESSIBLE RECESSED SANITARY DISPENSER, BOBRICK: MODEL# B-3106T
- (K) SURFACE MOUNTED TOILET SEAT-COVER DISPENSER, BOBRICK: MODEL# B-221
- (L) RECESSED DUAL-ROLL TOILET TISSUE DISPENSER WITH HOODS, BOBRICK: MODEL# B-6997
- (M) SURFACE MOUNTED DUAL-ROLL TOILET TISSUE DISPENSER WITH HOODS, BOBRICK: MODEL# B-6999T
- (N) PARTITION MOUNTED SANITARY NAPKIN DISPOSAL, BOBRICK: MODEL# B-354
- (O) SURFACE MOUNTED SANITARY NAPKIN DISPOSAL, BOBRICK: MODEL# B-254

NOTES:

1. CONTRACTOR TO REMOVE ALL EXISTING TOILET ACCESSORIES AS REQUIRED PER DEMO PLANS AND DELIVER TO OWNER.
2. PROVIDE NEW TOILET ACCESSORIES AS SHOWN ON PLAN.
3. CONTRACTOR TO INSTALL ALL OWNER FURNISHED TOILET ACCESSORIES AT ALL STANDARD/NON-ADA STALLS.
4. FOR ACCESSORY MOUNTING HEIGHTS, SEE 9 / AD-3

TOILET ACCESSORIES KEYNOTES

REVISIONS	BY
1 ADDENDUM 01	R.S.

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ENGINEER

ARCHITECT

LICENSED ARCHITECT — BASTIAN — NO. C-27546 — REN. 6-2027 — STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @
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SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
BUILDING 600 - INTERIOR ELEVATIONS - RESTROOMS

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET: **A6.3**

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Z:\Masters\MRef - 2020 (Add 01).dwg
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SHEET SIZE: ARCH E (30"X42")
XREFS:
Z:\Snowline-SJ21-01 Quail Valley MS Modernization\Arch\Masters\ambordor (cd) - e.dwg
Z:\Snowline-SJ21-01 Quail Valley MS Modernization\Arch\Masters\SCH-1 DOOR AND FINISH SCHEDULES (ADD 01).DWG

DOOR SCHEDULE

NO	ROOM	TYPE	SINGLE	PAIR	SIZE WIDTH (SINGLE DOOR)	SIZE HEIGHT	MATERIAL SOLID CORE	MATERIAL STEEL	MATERIAL WOOD DOOR, PORT GRADE	MATERIAL ALUM / GLASS	FRAME NET OPENING EXCLUDING STOPS WIDTH	FRAME NET OPENING EXCLUDING STOPS HEIGHT	FRAME ALUMINUM	FRAME THMES. 1" STEEL	FRAME UL LISTING	FRAME HARDWARE SEE SPECS	MISC 1" UNDERCUT	MISC PANIC HARDWARE	MISC 90° LATCH	MISC VERTICAL BLINDS	REMARKS
201A	201	D		●	3'-4"	7'-0"				●	6'-8"	7'-2"	●		1		●				(E) DOOR TO REMAIN, REPLACE DOOR HARDWARE ONLY
201B	201																				
202A	202	C	●		3'-0"	7'-0"	●	●			3'-4"	7'-2"		●	3						(E) DOOR TO REMAIN, REPLACE DOOR HARDWARE ONLY
203A	203	C	●		3'-0"	7'-0"	●	●			3'-4"	7'-2"		●	3						(E) DOOR TO REMAIN, REPLACE DOOR HARDWARE ONLY
204A	204																				
205A	205																				
206A	206																				
207A	207																				
208A	208																				
209A	209	A	●		3'-8"	7'-0"	●	●			4'-0"	7'-4"		●	4		●				(E) DOOR TO REMAIN, REPLACE DOOR HARDWARE ONLY
210A	210																				
211A	211																				
212A	212																				
213A	213																				
214A	214																				
215A	215	A	●		3'-8"	7'-0"	●	●			4'-0"	7'-4"		●	4		●				(E) DOOR TO REMAIN, REPLACE DOOR HARDWARE ONLY
215B	215																				
217A	217																				
217B	217																				
217C	217																				
218A	218																				
219A	219																				
220A	220																				
220B	220																				
222A	222																				
222B	222																				
223A	223																				
224A	224																				
224B	224																				
224C	224																				
225A	225																				
601A	601																				
601B	601																				
602A	602																				
602B	602																				
603A	603	B	●		3'-8"	7'-0"	●	●			4'-0"	7'-4"		●	2						(E) DOOR TO REMAIN, REPLACE DOOR HARDWARE ONLY
604A	604	B	●		3'-8"	7'-0"	●	●			4'-0"	7'-4"		●	2						(E) DOOR TO REMAIN, REPLACE DOOR HARDWARE ONLY
605A	605																				
606A	606																				
606B	606																				
607A	607																				
607B	607																				
608A	608																				
609A	609																				

BUILDING 200

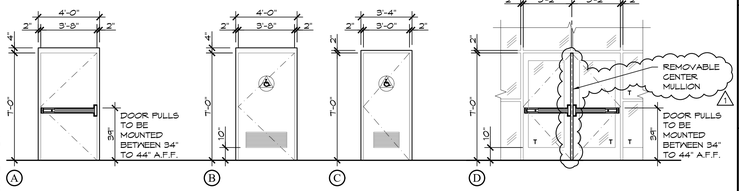
BUILDING 600

* DOOR HARDWARE LOCKABLE FROM THE INSIDE FOR MORE THAN 5 OCCUPANTS.

SEE 22 SCH-1 FOR DOOR TYPES

DOOR SCHEDULE, DOOR TYPE AND NOTES — SCALE: NONE — 22

DOOR TYPES:



NOTES:

DOOR AND GATE HARDWARE: (ALL REQUIREMENTS BELOW SHALL APPLY TO GATES AS WELL).

1. DOORS AND DOORWAYS AS PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH CBC SECTIONS 11B-404.
2. THE CLEAR OPENING WIDTH FOR A DOOR SHALL BE 32" MINIMUM. FOR A SWINGING DOOR IT SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. THERE SHALL BE NO PROJECTIONS INTO IT BELOW 34" AND 4" MAXIMUM PROJECTIONS INTO IT BETWEEN 34" AND 80" ABOVE THE FINISH FLOOR OR GROUND. DOOR CLOSERS AND STOPS SHALL BE PERMITTED TO BE 78" MINIMUM ABOVE THE FINISH FLOOR OR GROUND. CBC SECTION 11B-404.2.3.
3. ALL EXIT DOORS IN BUILDING, INCLUDING BUT NOT LIMITED TO DOORS OF TOILETS AND STORAGE ROOMS, SHALL CONFORM WITH THE REQUIREMENTS OF SECTION 1010; CBC 2019. THE FOLLOWING ARE SOME OF THE REQUIREMENTS:
   A.) EXIT DOORS SHALL BE OPERABLE FROM BOTH SIDES WITH NON-GRIP OPENABLE HARDWANARE. THE INSIDE OF THESE DOORS REQUIRE THE HARDWARE RO BE OPERABLE WITHOUT A KEY NOR ANY SPECIAL KNOWLEDGE FOR FIRE EXITING.
   B.) DOOR OPENING HARDWARE SHALL BE MOUNTED BETWEEN 34" - 44" A.F.F.
4. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL COMPLY WITH CBC SECTION 11B-309.4 AND SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT OF GRASPING, PUSHING, OR TWISTING OF THE WRIST. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" MINIMUM AND 44" MAXIMUM ABOVE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. CBC SECTION 11B-404.2.7.
5. ~~EXTERIOR DOORS SHALL BE A TIGHT FIT WITH CREVICE AT THE BOTTOM NOT GREATER THAN 1/2".~~
6. ALL KEY LOCKED DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
7. ALL TOILET AND LOCKER ROOM DOORS SHALL BE SELF CLOSING.
8. THE FORCE FOR PUSHING OR PULLING OPEN A DOOR SHALL BE AS FOLLOWS:

   CBC SECTION 11B-404.2.9.
   INTERIOR HINGED DOORS, SLIDING OR FOLDING DOORS, AND EXTERIOR HINGED DOORS: 5 POUNDS (22.2 N) MAXIMUM. REQUIRED FIRE DOOR; THE MINIMUM OPENING FORCE ALLOWABLE BY THE DSA AUTHORITY, NOT TO EXCEED 15 POUNDS (66.7 N). THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION

   THE FORCE REQUIRED FOR ACTIVATING ANY OPERABLE PARTS, SUCH AS LEVER HARDWARE, OR DISENGAGING OTHER DEVICES SHALL BE 5 POUNDS (22.2 N) MAXIMUM TO COMPLY WITH CBC SECTION 11B-309.4.
9. DOOR CLOSING SPEED SHALL BE AS FOLLOWS:

   CBC SECTION 11B-404.2.9.
   CLOSER SHALL BE ADJUSTED SO THAT THE REQUIRED TIME TO MOVE A DOOR FROM AN OPEN POSITION OF 90 DEGREES TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM.
10. THE BOTTOM 10" OF ALL DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOT REST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
11. ~~ALL GLAZING IN DOORS SHALL BE TEMPERED.~~
12. PANIC HARDWARE SHALL COMPLY WITH CBC STANDARD 10-4 AND SHALL BE MOUNTED BETWEEN 34" AND 44" ABOVE FINISHED FLOOR SURFACE.

    CBC SECTION 11B-404.2.9.
    INTERIOR HINGED DOORS, SLIDING OR FOLDING DOORS, AND EXTERIOR HINGED DOORS: 5 POUNDS (22.2 N) MAXIMUM. REQUIRED FIRE DOOR; THE MINIMUM OPENING FORCE ALLOWABLE BY THE DSA AUTHORITY, NOT TO EXCEED 15 POUNDS (66.7 N). THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION

    THE FORCE REQUIRED FOR ACTIVATING ANY OPERABLE PARTS, SUCH AS LEVER HARDWARE, OR DISENGAGING OTHER DEVICES SHALL BE 5 POUNDS (22.2 N) MAXIMUM TO COMPLY WITH CBC SECTION 11B-309.4.
13. THRESHOLDS SHALL COMPLY WITH CBC SECTION 11B-404.2.5.
14. FLOOR STOPS SHALL NOT BE LOCATED IN THE PATH OF TRAVEL OR GREATER THAN 4" FROM WALLS.
15. ALL EXTERIOR DOORS AND FRAMES TO REMAIN TO HAVE FRAMES CLEANED AND PAINT TOUCHED UP AS REQUIRED, EXISTING DOORS TO BE SANDED, PATCHED, STAINED AND CLEAR COATED TO MATCH EXISTING
16. ~~ELECTRONIC ACCESS CONTROL: ALL DOORS ANY EGRESS DOOR TO BE MANUALLY UNLATCHABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT WITH OR WITHOUT A TIGHER THAN 35 POUNDS OF PUSH THE DOOR SHALL FINISH ACCESS CONTROL HARDWARE SHALL NOT COMPROMISE THE FUNCTION OF RATED ASSEMBLIES AND DOORS WITH PANIC HARDWARE (CBC 1010.1.9 AND 1010.1.10).~~
17. HARDWARE (INCLUDING PANIC HARDWARE) SHALL NOT BE PROVIDED WITH 'NIGHT LATCH' (NL) FUNCTION FOR ANY ACCESSIBLE DOORS OR GATES UNLESS THE FOLLOWING CONDITIONS ARE MET. (SUCH CONDITIONS MUST BE CLEARLY DEMONSTRATED AND INDICATED IN THE SPECIFICATIONS)
    A.) SUCH HARDWARE HAS A 'DOGGING' FEATURE.
    B.) IT IS DOGGED DURING THE TIME THE FACILITY IS OPEN.
    C.) SUCH DOGGING' OPERATION IS PERFORMED ONLY BY EMPLOYEES AS THEIR JOB FUNCTION (NO-PUBLIC USE).
18. ~~PROVIDE VERTICAL BLINDS AT ALL WINDOW GLAZING, INCLUDING TRANSOM WINDOWS ABOVE DOORWAYS. NO VERTICAL BLINDS SHALL BE PROVIDED AT THE DOOR LEAVES.~~
19. ~~ALL DOORS & STOREFRONT TO BE NEW (N) UNLESS NOTED AS EXISTING (E).~~

DOOR SCHEDULE, DOOR TYPE AND NOTES — SCALE: 1/4" = 1'-0" — 22

INTERIOR FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	WALLS FLOOR	BASE	WALL A	WALL B	WALL C	WALL D	CEILING	REMARKS
202	WOMEN'S RESTROOM	T	T	T	T	T	T	GB	SEE FOOR PLAN & INTERIOR ELEVATIONS FOR TILE FINISH
203	MEN'S RESTROOM	T	T	T	T	T	T	GB	SEE FOOR PLAN & INTERIOR ELEVATIONS FOR TILE FINISH
209	ENTRY VESTIBULE	CPT	TS4	GB	GB	GB	GB	TB	
214	RECEPTION / OFFICE	CPT	TS4	GB	GB	GB	GB	TB	
215	RECEPTION / LOBBY	CPT	TS4	GB	GB	GB	GB	TB	
603	GIRL'S RESTROOM	T	T	T	T	T	T	GB	SEE FOOR PLAN & INTERIOR ELEVATIONS FOR TILE FINISH
604	BOY'S RESTROOM	T	T	T	T	T	T	GB	SEE FOOR PLAN & INTERIOR ELEVATIONS FOR TILE FINISH

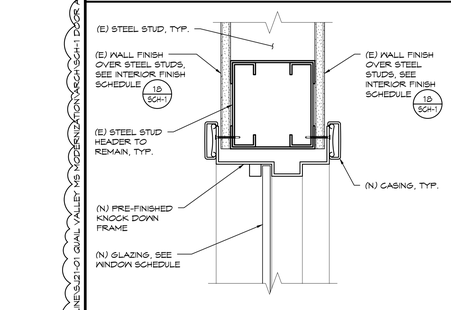
NOTES:

1. PROVIDE NEW PRIME & PAINT AT CEILINGS & WALLS TO MATCH EXISTING.
2. NEW WALL & FLOOR TILES TO MATCH EXISTING.

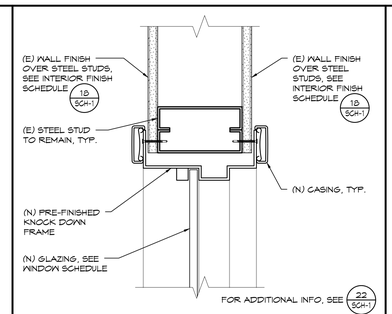
FINISH KEY SCHEDULE

FLOORS		BASE		CEILINGS		WALLS	
CPT	CARPET	CG	CERAMIC GRANULE SEAMLESS FLOORING	GB	5/8" GYP. BOARD - PAINT	CB	CONCRETE BLOCK - PAINT
CG	CERAMIC GRANULE SEAMLESS FLOORING	T	TILE	GBGU	5/8" GYP. BOARD W/ GLUE-UP TILE	PNT	WALL FINISH W/ NEW PAINT
FG	FINISHED CONCRETE	TS4	4" TOP SET	PL	PLASTER	GB	5/8" GYP. BOARD - PAINT
RF	RUBBER FLOORING	TS6	6" TOP SET	TB	T" - BAR	GBPL	1/2" THICK CDX PLYWOOD UNDER GYP. BOARD
EP	EPOXY FLOORING	SC	SELF-GOVING RESILIENT SHEET FLOORING	PNT	CEILING FINISH W/ NEW PAINT	GBVT	5/8" GYP. BOARD W/ VINYL W/ TACK
SF	SPORTS FLOORING					T	TILE
T	TILE					GOT	12"x12" GLUE-ON ACOUSTICAL TILE
VCT	VINYL COMPOSITION TILE					HI	HIGH IMPACT
SC	SELF-GOVING RESILIENT SHEET FLOORING					S.S.	STAINLESS STEEL
						FRP	FIBERGLASS REINFORCED WALL PANEL

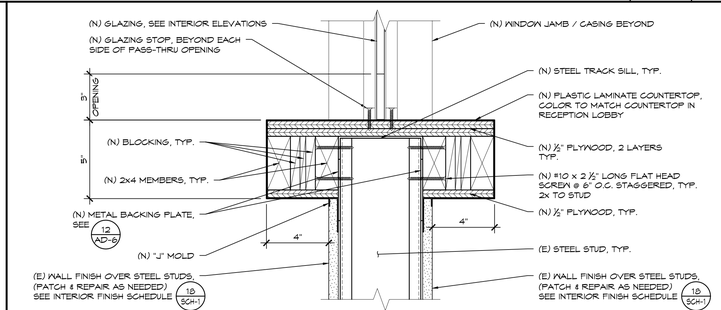
INTERIOR FINISH SCHEDULE — SCALE: NONE — 18



HEAD JAMB @ PASS-THRU WINDOW — SCALE: 3" = 1'-0" — 25



SIDE JAMB @ PASS-THRU WINDOW — SCALE: 3" = 1'-0" — 26



SILL @ PASS-THRU WINDOW AND COUNTER — SCALE: 3" = 1'-0" — 28

REVISIONS	BY
1 ADDENDUM 01	R.S.

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ENGINEER

ARCHITECT

LICENSED ARCHITECT — BAO — LIC. NO. C-27546 — REN. 6-2027 — STATE OF CALIFORNIA

PROJECT: SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: DOOR AND FINISH SCHEDULES

DATE: October 2026
DRAWN: ---
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SHEET: SCH-1

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PLOT DATE: 07/19/2023 11:30:45 AM

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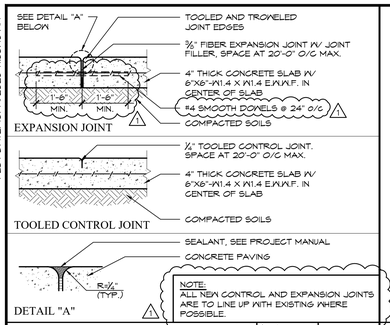
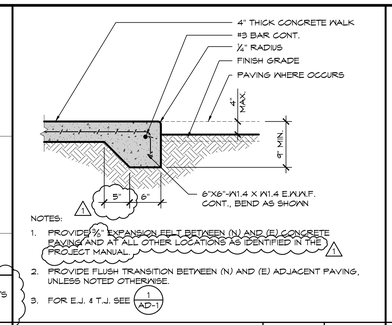
Z:\SNOWLINE\SJ21-01 QUAIL VALLEY MS MODERNIZATION\ARCH\AD-1 DETAIL SHEET (ADD 01).DWG



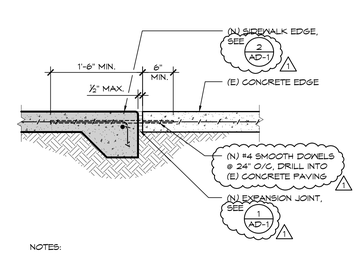
JOINTS IN CONCRETE PAVING

SCALE: 1½" = 1'-0" | 02-0134 REV | 1



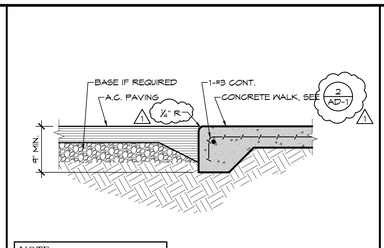
SIDEWALK EDGE

SCALE: 1" = 1'-0" | 02-0174 REV | 2



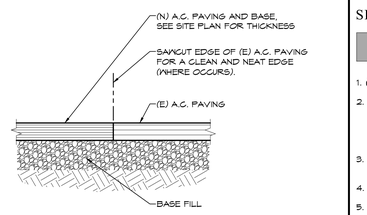
JOINT @ (N) & (E) CONC. PAVING

SCALE: 1" = 1'-0" | 02-0172 REV | 3



A.C. PAVING AT CONCRETE PAVING

SCALE: 1" = 1'-0" | 02-0172 REV | 4



FLUSH TRANSITION @ (N) A.C. PAVING & (E) A.C. PAVING

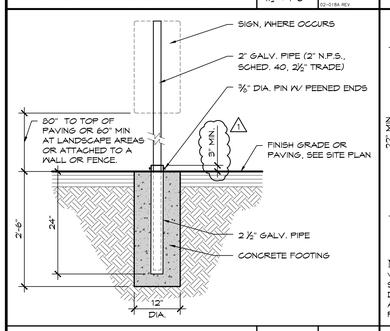
SCALE: 1" = 1'-0" | 02-0274 | 5

SLURRY SEAL NOTES

INDICATES AREAS OF A.C. REPAIR & SEAL.

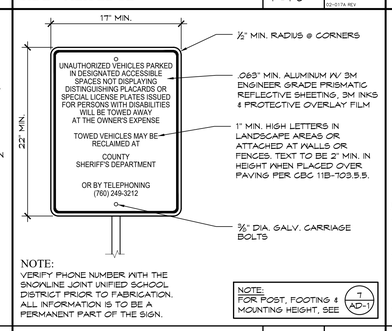
1. REMOVE ALL EXISTING PAINT ON A.C. PAVING PER PROJECT MANUAL.
2. CLEAN OUT ALL CRACKS & VOIDS IN EXISTING PAVING & APPLY WEED KILLER. FILL ALL CRACKS WITH RUBBERIZED CRACK REPAIR FOR CRACKS UP TO ½" WIDE AND ASPHALTIC CRACK REPAIR FOR CRACKS GREATER THAN ½" WIDE FLUSH TO EXISTING PAVING. FIELD VERIFY QUANTITY.
3. PATCH, REPAIR & FILL ALL A.C. PAVING WHERE SETTLEMENT IS EVIDENT. FIELD VERIFY QUANTITY
4. INSTALL NEW SLURRY SEAL OVER ALL EXISTING A.C. PAVING.
5. PAINT ALL PARKING STRIPES AS PER THE DRAWINGS & PROJECT MANUAL.
6. FOR CRACKS & VOIDS LARGER THAN ½" WIDE, SEE 20 AD-2

SCALE: 1:1 | 02-058 REV | 6



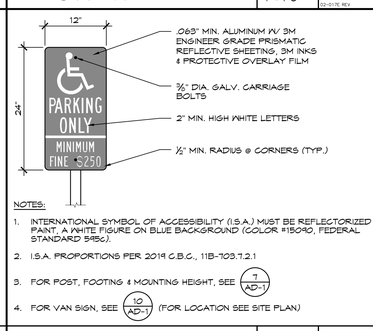
SIGN FOOTING

SCALE: ¾" = 1'-0" | 02-0008 REV | 7



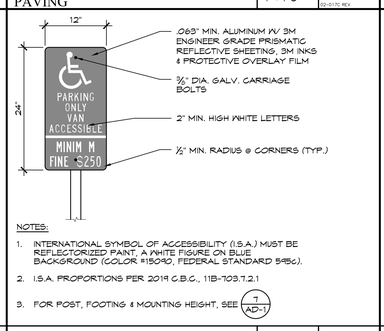
PARKING TOW-AWAY SIGN

SCALE: 1½" = 1'-0" | 02-0009 REV | 8



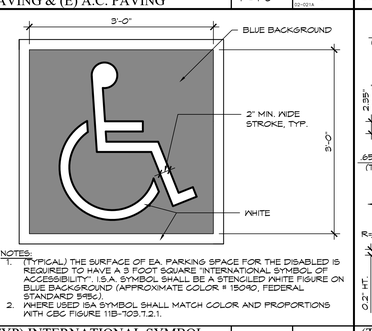
ACCESSIBLE AUTO PARKING SIGN

SCALE: 1" = 1'-0" | 02-006A | 9



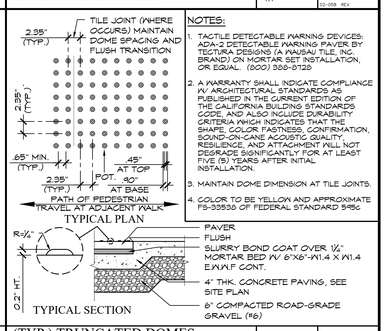
ACCESSIBLE VAN PARKING SIGN

SCALE: 1" = 1'-0" | 02-0068 | 10



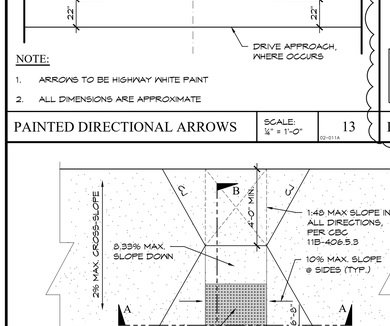
(TYP) INTERNATIONAL SYMBOL OF ACCESSIBILITY

SCALE: 1" = 1'-0" | 02-0274 | 11



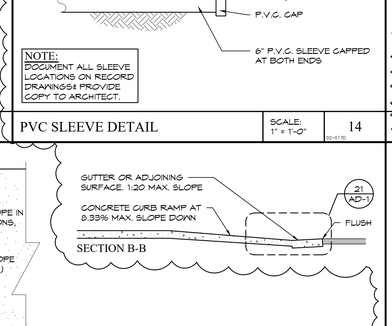
(TYP.) TRUNCATED DOMES DETECTABLE WARNING STRIPS

SCALE: 1" = 1'-0" | 02-057A | 12



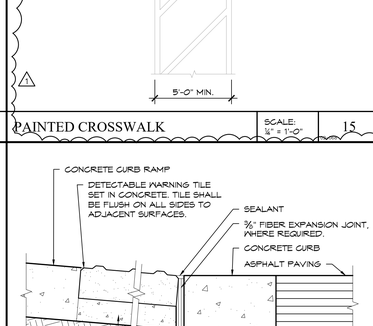
PAINTED DIRECTIONAL ARROWS

SCALE: ¼" = 1'-0" | 02-011A | 13



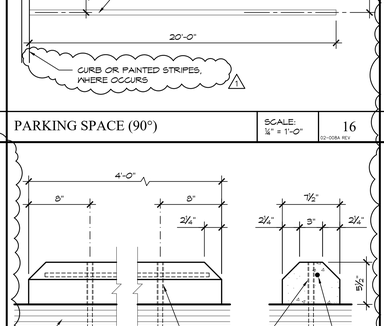
PVC SLEEVE DETAIL

SCALE: 1" = 1'-0" | 02-0170 | 14



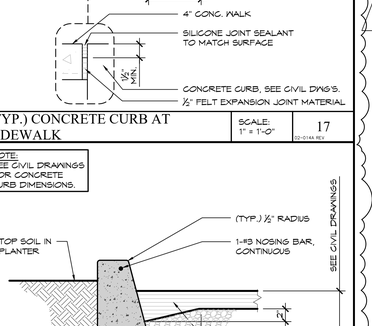
PAINTED CROSSWALK

SCALE: ¼" = 1'-0" | 02-0080 REV | 15



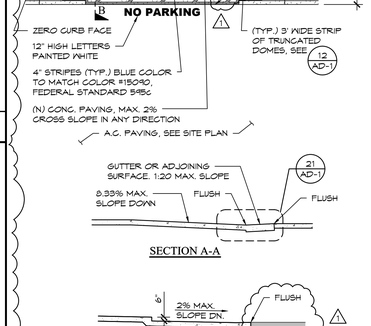
PARKING SPACE (90°)

SCALE: ¼" = 1'-0" | 02-008A REV | 16



(TYP.) CONCRETE CURB AT SIDEWALK

SCALE: 1" = 1'-0" | 02-014A REV | 17



PASSENGER DROP-OFF - TWO RAMPS

SCALE: ¼" = 1'-0" | 02-0220 REV | 24

ACCESSIBLE SIDEWALK RAMP

SCALE: ¼" = 1'-0" | 02-015A REV | 20

TRUNCATED DOMES AT BASE OF CONCRETE CURB RAMP

SCALE: 3" = 1'-0" | 02-000 REV | 21

PARKING SPACE WHEEL STOP

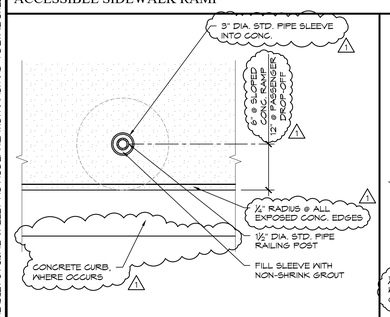
SCALE: ½" = 1'-0" | 02-009 | 22

(TYP.) CONCRETE CURB AT PLANTER

SCALE: 1" = 1'-0" | 02-0140 REV | 23

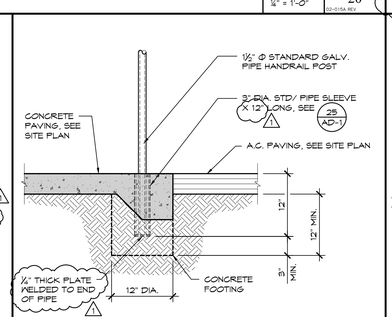
(TYP.) BOTTOM HANDRAIL EXTENSION DETAIL

SCALE: 1" = 1'-0" | 02-007A REV | 29



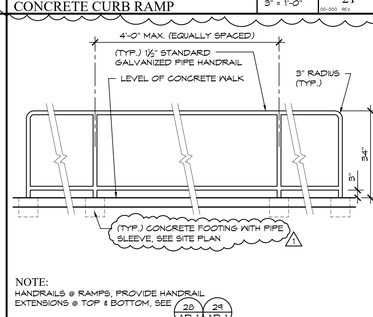
RAILING SLEEVE PLAN

SCALE: 1½" = 1'-0" | 05-003 REV | 25



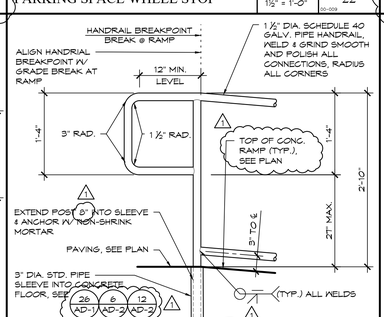
RAILING SLEEVE SECTION

SCALE: 1" = 1'-0" | 05-0020 REV | 26



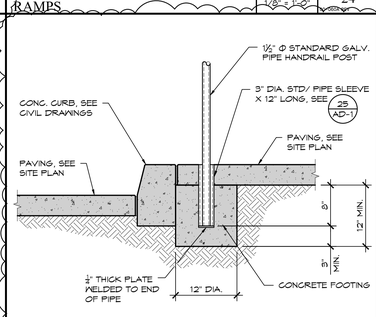
(TYP.) CANE RAIL DETAIL

SCALE: ½" = 1'-0" | 05-0080 REV | 27



(TYP.) TOP HANDRAIL EXTENSION DETAIL

SCALE: 1" = 1'-0" | 05-0081 REV | 28



RAILING SLEEVE SECTION @ PASSENGER DROP-OFF

SCALE: 1" = 1'-0" | 05-0020 REV | 30

REVISIONS	BY
⚠1 ADDENDUM 01	R.S.

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Apple Valley, CA 92308
(760) 240-6211 ▪ www.ffj-arch.com
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Architecture ▪ Planning ▪ Landscape Architecture

ENGINEER

ARCHITECT

LICENSED ARCHITECT
CHRISTOPHER J. BASTIAN
No. C-27546
REN. 6-2027
STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
DETAIL SHEET

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET: AD-1

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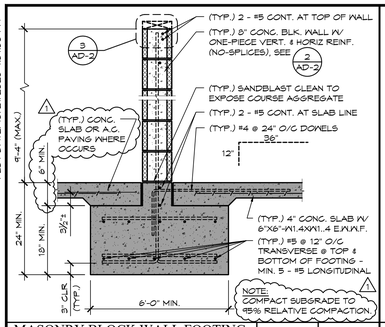
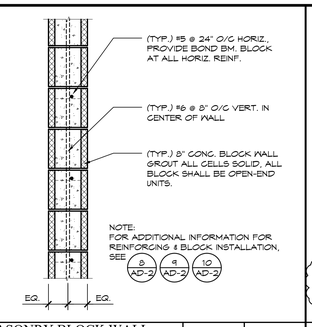
ADDENDUM 1, EXHIBIT "B"

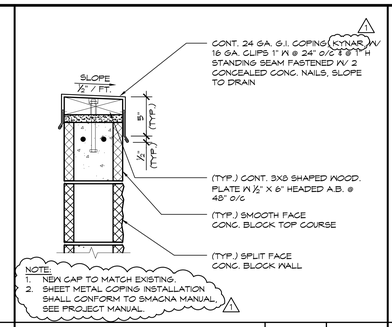
SHEET SIZE: ARCH E (30"X42")
PLOT DATE: 10/2/2026 4:57:50 PM



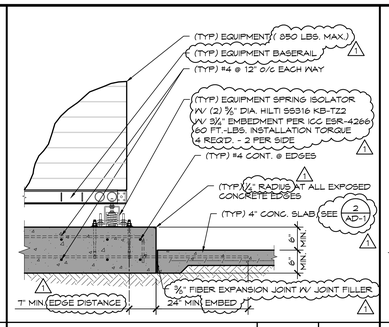
MASONRY BLOCK WALL FOOTING AT STORAGE - MECHANICAL YARD | SCALE: ¾" = 1'-0" | 1 | 02-024 REV



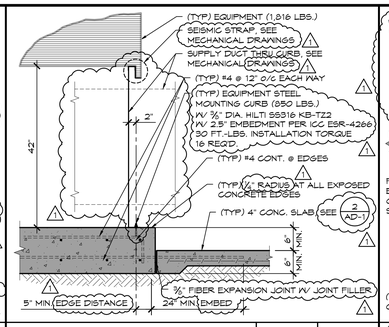
(TYP.) MASONRY BLOCK WALL REINFORCING | SCALE: 1" = 1'-0" | 2 | 00-000 REV



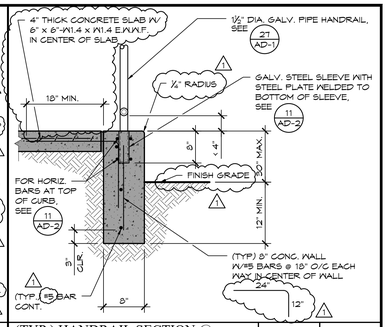
CAP @ CONCRETE BLOCK WALL | SCALE: 1½" = 1'-0" | 3 | 07-013A REV



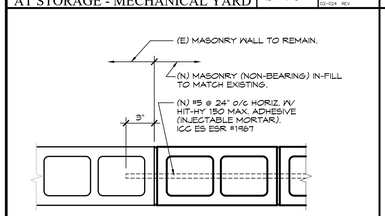
EQUIPMENT ANCHORAGE DETAIL | SCALE: ¾" = 1'-0" | 4 | 00-000 REV



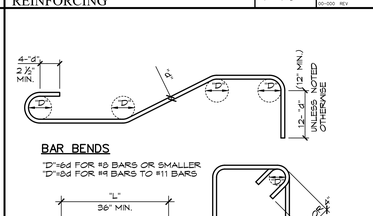
BUILDING 200 HVAC ANCHORAGE | SCALE: ¾" = 1'-0" | 5 | 00-000 REV



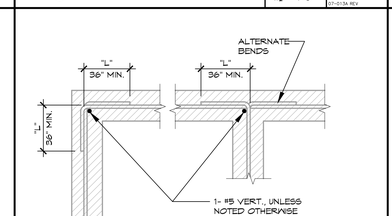
(TYP.) HANDRAIL SECTION @ RAMP | SCALE: 1" = 1'-0" | 6 | 05-002 REV



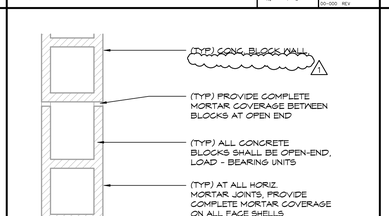
NEW TO EXIST'G MASONRY WALL | SCALE: NONE | 7



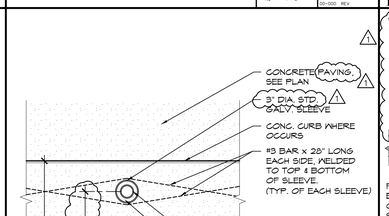
REINFORCING BAR BENDING | SCALE: NONE | 8



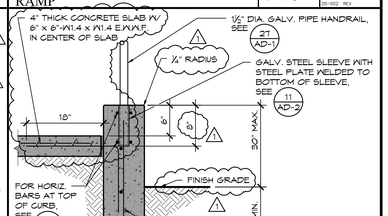
MIN. REINFORCING AT CORNERS | SCALE: NONE | 9



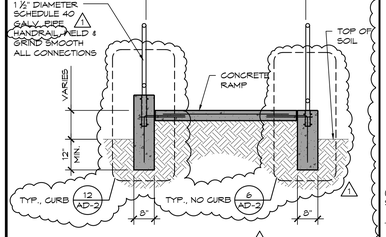
MORTAR JOINTS | SCALE: NONE | 10



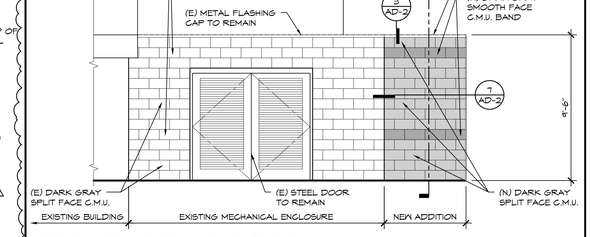
HANDRAIL SLEEVE PLAN | SCALE: 1½" = 1'-0" | 11



(TYP.) HANDRAIL SECTION @ RAMP WITH CURB | SCALE: 1" = 1'-0" | 12 | 05-002 REV

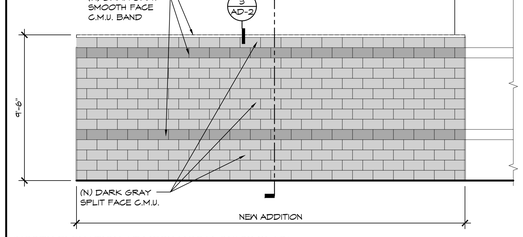


(TYP.) RAMP CROSS-SECTION WITH AND WITHOUT CURB | SCALE: ½" = 1'-0" | 13 | 00-000 REV



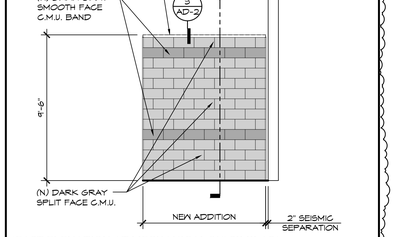
EAST ELEVATION AT MECHANICAL 219 | SCALE: 1/4" = 1'-0" | 14

(WEST ELEVATION AT MECHANICAL 218 SIMILAR)



NORTH ELEVATION AT MECHANICAL 219 | SCALE: 1/4" = 1'-0" | 16

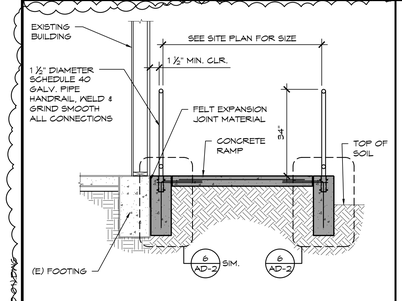
(NORTH ELEVATION AT MECHANICAL 218 SIMILAR)



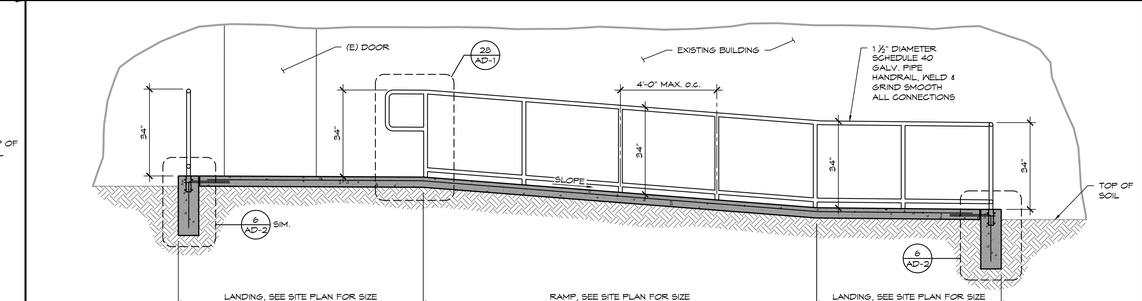
WEST ELEV. AT MECHANICAL 219 | SCALE: 1/4" = 1'-0" | 17

(EAST ELEVATION AT MECHANICAL 218 SIMILAR)

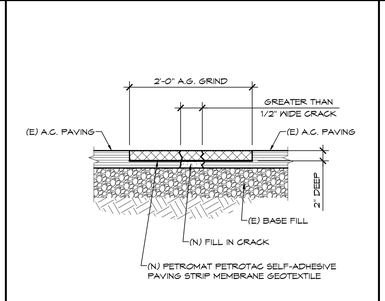
18



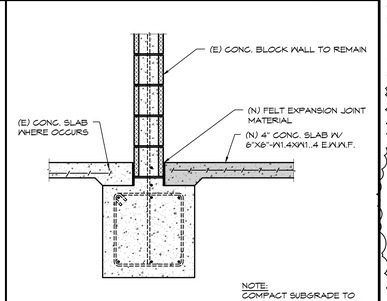
(TYP.) RAMP CROSS SECTION AT BUILDING | SCALE: ½" = 1'-0" | 19 | 00-000 REV



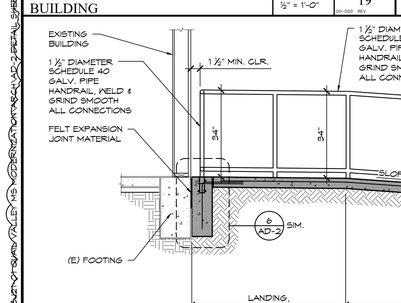
(TYP.) RAMP SECTION AT BUILDING | SCALE: ½" = 1'-0" | 22 | 00-000 REV



A.C. PAVING CRACK REPAIR | SCALE: 1" = 1'-0" | 23 | 02-027A REV



CONCRETE SLAB AT (E) WALL | SCALE: 3/4" = 1'-0" | 24 | 02-024 REV



(TYP.) RAMP SECTION AT BUILDING | SCALE: ½" = 1'-0" | 27 | 00-000 REV

28 | 29 | 30

REVISIONS	BY
1 ADDENDUM 01	R.S.

FF&J
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Apple Valley, CA 92308
(760) 240-6211 ▪ www.ffj-arch.com
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ENGINEER:

ARCHITECT:

LICENSED ARCHITECT — STEVEN C. BAST — No. C-27546 — REN. 6-2027 — STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: DETAIL SHEET

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET: AD-2

ADDENDUM 1, EXHIBIT "B"

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XREFS:
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Z:\Snowline\SJ21-01 Quail Valley MS Modernization\Arch Masters\AD-2 DETAIL SHEET ADDENDUM.dwg

XREFS:
..\Masters\xrefBorder (CD) - E.dwg
PLOT DATE - 5/1/2026 2:17:03 PM
PLOT SIZE: ARCH E (30"X42")
Z:\SNOWLINE\SJ21-01 QUAIL VALLEY MS MODERNIZATION\ARCH\AD-4 DETAIL SHEET (ADD 01).DWG

SUSPENDED GYP BOARD CEILING
GENERAL NOTES

1. CONSTRUCTION, WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE 2013 CALIFORNIA BUILDING STANDARDS CODE (CBSC 2013).
2. THE CONTRACTOR SHALL NOTIFY OSHPD AND THE REGISTERED DESIGN PROFESSIONAL (RDP) IN RESPONSIBLE CHARGE WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE CONSTRUCTION DRAWINGS AND ANY OTHER PORTION OF THE CONSTRUCTION DOCUMENTS. FIELD CONDITIONS, OR WHERE ANY CONDITIONS ARISE NOT COVERED BY THESE DOCUMENTS WHEREIN WORK WILL NOT COMPLY WITH CODE REQUIREMENTS.
3. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE CALIFORNIA BUILDING STANDARD CODE, 2013 (CBSC 2013). SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED CONSTRUCTION DOCUMENTS WHEREIN THE WORK WILL NOT COMPLY WITH CBSC 2013, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK.
4. GALVANIZED METAL STUDS, TRACKS AND SHEET STEEL SHALL CONFORM TO ASTM A653-11 MATERIAL, OR OTHER EQUIVALENT ASTM LISTED MATERIALS IN SECTION A2.1 OF THE AISI S100-07/S2-10; NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS WITH SUPPLEMENT 2, DATED 2010, WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL (18 GAGE) AND LIGHTER, AND MINIMUM YIELD STRENGTH OF 50 KSI FOR HEAVIER GAGES.

   METAL STUDS AND TRACKS SHALL BE OF SIZE, THICKNESS AND SECTION PROPERTIES SHOWN ON TABLES 1-1, 1-2 AND 1-3 OF THE AISI MANUAL, COLD-FORMED STEEL DESIGN, 2008 EDITION. THE RDP IN RESPONSIBLE CHARGE SHALL OBTAIN OSHPD APPROVAL FOR ANY SUBSTITUTIONS.
5. ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.3/UL 797 CARBON STEEL WITH G90 GALVANIZING. EMT SHALL HAVE MINIMUM YIELD STRENGTH OF (Fy =) 30 KSI AND MINIMUM ULTIMATE STRENGTH OF (Fu =) 48 KSI.
6. THESE OPD REFER TO FASTENER TYPE AND SIZE BUT DO NOT SPECIFY OR ENDORSE A SPECIFIC MANUFACTURER. THE RDP IN RESPONSIBLE CHARGE SHALL SELECT A MANUFACTURER AND SELECTED FASTENER CAPACITIES SHALL MATCH OR EXCEED THE STRENGTHS LISTED HEREIN. THE FOLLOWING REQUIREMENTS SHALL ALSO BE MET:
   a. SHEET METAL SCREWS SHALL COMPLY WITH ASTM C 1513-10, ASME B18.6.4-09 (R2005) AND ICC-ES AC 118 AND ALLOWABLE STRENGTH SHALL BE BASED ON INFORMATION PROVIDED IN GX1.31 AND GX1.32. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.
   b. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES. FIELD WELDING SHALL HAVE SPECIAL INSPECTION IN ACCORDANCE WITH 2013 CBC SECTION 1705A.2.
   c. POST- INSTALLED ANCHORS (E.G. EXPANSION ANCHORS, SCREW ANCHORS AND POWER ACTUATED FASTENERS) SHALL HAVE SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH THE 2013 CBC SECTIONS 1705A.3 & 1913A.7. FOR QUALIFICATION, DESIGN AND USE OF POST-INSTALLED ANCHORS IN CONCRETE SEE THE 2013 CBC SECTIONS 1616A.1.19 AND 1908A.1.1. LISTING OF CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENER USED.
   d. POWER-ACTUATED FASTENERS (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP) AND SHOT PINS ALL REPRESENT THE SAME FASTENER AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF). PAF'S SHALL SATISFY THE CURRENT AC70-ACCEPTANCE CRITERIA FOR FASTENERS POWER-DRIVEN INTO CONCRETE, STEEL AND MASONRY ELEMENTS AND THE 2013 CBC SECTIONS 1908A.1.1. LISTING OF CURRENT ICC ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENERS USED.
   e. FOR PAF INSTALLED IN STEEL THE FASTENER PENETRATION SHALL HAVE THE ENTIRE POINTED END OF THE FASTENER DRIVEN THROUGH THE STEEL MEMBER, EXCEPT AS NOTED IN CURRENT REPORTS FROM TESTING AGENCIES ACCEPTABLE TO OSHPD.

Section Title: OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No:
Sheet Title: GYP-BOARD SUSPENDED CEILING PAGE 1 OF 5 — CG0.00

7. DESIGN CRITERIA
   a. BUILDING CODE: 2013 CALIFORNIA BUILDING CODE (2013 CBC), ASCE 7-10, AISI S100-07/S2-10, AND ASTM C754-11. FOR LOAD COMBINATIONS, ALLOWABLE STRESS DESIGN SHALL BE IN ACCORDANCE WITH 2013 CBC SECTION 1605A.3.1.
   b. FASTENER CAPACITIES TABLES WERE DEVELOPED BASED ON ICC REPORTS BY SEVERAL MANUFACTURERS.
   c. THE DESIGN ASSUMES THAT BUILDING ELEMENTS AND SUPPORTS, TO WHICH THE COMPONENTS ADDRESSED IN THIS DOCUMENT ARE ANCHORED, HAVE SUFFICIENT CAPACITY TO CARRY THE LOADS IMPOSED BY THE COMPONENTS IN COMBINATION WITH ALL OTHER LOADS. EVALUATION OF THE CAPACITY OF THESE SUPPORTING BUILDING ELEMENTS IS BEYOND THE SCOPE OF THE OPD.
   d. THIS OPD IS LIMITED TO CEILING ASSEMBLIES HAVING MAXIMUM DEAD WEIGHT OF 4 PSF, INCLUDING LIGHTING FIXTURES (LUMINERIES) AND MECHANICAL SERVICES. EACH WEIGHING LESS THAN 56 LBS AND ATTACHED TO CEILING FRAMING SYSTEM. HEAVIER SYSTEM AND THOSE SUPPORTING LATERAL FORCES FROM PARTITION WALLS ARE OUTSIDE THE SCOPE OF THIS OPD AND WILL REQUIRE PROJECT SPECIFIC DESIGN.
8. THE RDP IN RESPONSIBLE CHARGE SHALL VERIFY THE FIRE RESISTENCE AND ACOUSTICAL RATINGS FOR ALL CEILING ASSEMBLIES.
9. "CEILING WIRE" SHALL CONFORM WITH GALVANIZED SOFT ANNEALED MILD STEEL WIRE AS DEFINED IN ASTM A641 (CLASS 1 COATING) WITH A MINIMUM TENSILE STRENGTH:
   a. FOUR (4) TWISTS OF WIRE WITHIN 1.5" DEVELOPS THE ALLOWABLE LOAD FOR THE WIRE.
   b. THREE (3) TWISTS WITHIN 3" MAY BE USED TO DEVELOP THE MAXIMUM 50% OF ALLOWABLE LOAD.
10. SUSPENSION SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C754:
   a. MAIN RUNNERS SHALL CONSIST OF 25 GAGE 1-1/2" COLD ROLLED CHANNEL 150U050-54 SPACED AT 4'-0" OC MAX. MAIN RUNNERS SHALL BE SUPPORTED BY HANGER WIRES AT 4'-0" OC MAX AND WITHIN 6" FROM EA END.
   b. FURRING CHANNEL SHALL CONSIST OF 25 GAGE 7/8" (HAT) FURRING CHANNELS (087F125-18) at 2'-0" OC MAX. FURRING CHANNELS SHALL BE SADDLE TIED TO MAIN RUNNERS WITH 12 GAGE TIE WIRE OR A DOUBLE STRAND OF 18 GAGE TIE WIRE.
   c. MAIN RUNNERS SHALL BE SPLICED BY LAPPING IN ACCORDANCE WITH CG2.31.
   d. FURRING CHANNELS SHALL BE SPLICED BY LAPPING IN ACCORDANCE WITH CG2.31.
   e. MAIN RUNNERS AND FURRING CHANNELS ALONG WITH THEIR SPLICES, INTERSECTION CONNECTORS, AND EXPANSION DEVICES SHALL BE DESIGNED AND CONSTRUCTED TO CARRY A MEAN ULTIMATE TEST LOAD OF NOT LESS THAN 270 LBS. IN COMPRESSION & TENSION.
   f. HANGER AND BRACING WIRES SHALL BE 12 GAGE (0.106" DIAMETER), SOFT ANNEALED, AND GALVANIZED STEEL WIRES WITH CLASS 1 COATING. THEY MAY BE USED FOR NOT TO AND INCLUDING 4'-0"x 4'-0" GRID SPACING ALONG AND ATTACHED TO MAIN RUNNERS. SPLICES ARE NOT PERMITTED IN ANY HANGER WIRE.
   g. WIRE HANGERS SHALL BE SADDLE TIED AROUND MAIN RUNNERS SO AS TO PREVENT TURNING OR TWISING OF THE MEMBER.
11. SUSPENSION SYSTEM INSTALLATION SHALL COMPLY WITH ASTM C754:
   a. CEILING GRID MEMBERS SHALL BE ATTACHED TO TWO (2) ADJACENT WALLS. MAIN RUNNERS AND FURRING CHANNEL SHALL BE AT LEAST 1 INCH CLEAR OF OTHER WALL. IF WALLS RUN DIAGONAL TO THE CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN RUNNER AND FURRING SHOULD BE FREE, WITH STANDARD CLEARANCES.
   b. THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN TWO (2) INCHES. USE OF ANGLES WITH SMALLER WIDTHS IN CONJUNCTION WITH PERIMETER CLIPS SHALL REQUIRE AN ALTERNATE METHOD OF COMPLIANCE WITH ADEQUATE JUSTIFICATION AND ARE OUTSIDE THE SCOPE OF THIS OPD.

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12. EXPANSION JOINTS, SEISMIC SEPARATIONS, AND PENETRATIONS:
   a. EXPANSION JOINTS SHALL BE PROVIDED IN THE CEILING AT INTERSECTIONS OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS WITH LOBBIES OR OTHER SIMILAR AREAS.
   b. FOR CEILING AREAS EXCEEDING 2500 SQUARE FEET, A SEISMIC SEPARATION JOINT SHALL BE PROVIDED TO DIVIDE THE CEILING INTO AREAS NOT EXCEEDING 2500 SQ. FT.
   c. PENETRATIONS THROUGH THE CEILING FOR SPRINKLER HEADS AND OTHER SIMILAR DEVICES THAT ARE NOT INTEGRALLY TIED TO THE CEILING SYSTEM IN THE LATERAL DIRECTION SHALL HAVE A TWO (2) INCH OVERSIZED RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FREE MOVEMENT OF ONE (1) INCH IN ALL HORIZONTAL DIRECTIONS. A FLEXIBLE SPRINKLER HOSE FITTING THAT CAN ACCOMMODATE ONE (1) INCH OF CEILING MOVEMENT SHALL BE PERMITTED TO BE USED IN LIEU OF THE OVERSIZED RING, SLEEVE OR ADAPTER. SUCH FLEXIBLE SPRINKLER HOSE SHALL BE ADEQUATELY SUPPORTED FROM STRUT SO AS NOT TO EXCEED THE MAXIMUM TRIBUTARY WEIGHT OF THE CEILING.
13. LATERAL FORCE BRACING:

    LATERAL FORCE BRACING IS REQUIRED IN ACCORDANCE WITH THIS SECTION FOR ALL CEILING AREAS, UON.

    EXCEPTION: LATERAL FORCE BRACING MAY BE OMITTED FOR SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA OF 144 SQ. FT. OR LESS, WHEN PERIMETER SUPPORT ARE PROVIDED AND PERIMETER WALLS ARE DESIGNED TO CARRY THE CEILING LATERAL FORCES.
   a. PROVIDE LATERAL-FORCE BRACING ASSEMBLIES CONSISTING OF A STRUT AND FOUR (4) #12 GAGE BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER.
   b. LATERAL-FORCE BRACING ASSEMBLIES SHALL BE SPACED IN ACCORDANCE WITH CG2.20 THROUGH CG2.22 AND CG2.30 FROM EACH WALL AND AT THE EDGES OF ANY CHANGE OF ELEVATION OF THE CEILING.
   c. THE SLOPE OF BRACING WIRES MAY BE FROM 10 TO 45 DEGREES BUT MAY NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND WIRES SHALL BE TAUT.
   d. STRUTS SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT INDUCED BY THE BRACING WIRES, AND SHALL NOT BE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB.
14. ATTACHMENT OF HANGER AND BRACING WIRES:
   a. FASTEN #12 HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURNS IN 3 INCHES. HANGER WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT TO PREVENT ANY VERTICAL MOVEMENT OR ROTATION OF THE MEMBER WITHIN THE LOOPS.
   b. FASTEN #12 BRACING WIRES WITH FOUR (4) TIGHT TURNS. TAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2" INCHES.
   c. HANGER OR BRACING WIRE ANCHORED TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE.
   d. SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRACED DUCTS, PIPES CONDUITS, ETC.
   e. HANGER WIRES SHALL NOT BE ATTACHED TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. PROVIDE TRAPEZE OR OTHER SUPPLEMETARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS, OR DISCONTINUOUS AREAS.
   f. HANGER WIRES THAT ARE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB SHALL REQUIRE PROJECT SPECIFIC DESIGN.
   g. WHEN DRILLED-IN CONCRETE ANCHORS OR PAF ARE USED IN REINFORCED CONCRETE FOR HANGER WIRES, 1 OUT OF 10 WIRE ANCHOR ASSEMBLIES SHALL BE FIELD TESTED FOR 200 LBS. IN TENSION. WHEN DRILLED-IN CONCRETE ANCHORS ARE USED FOR BRACING WIRES, 1 OUT OF 2 WIRE ANCHOR ASSEMBLIES SHALL BE FIELD TESTED FOR 440 LBS. IN TENSION IN THE DIRECTION OF THE WIRE. PAF IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES.

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15. CEILING FIXTURES, TERMINALS, AND DEVICES:
   a. ALL LIGHT FIXTURES, AIR TERMINALS/GRILLS, OR OTHER DEVICES (REFERRED TO ALL BY COMMON TERM FIXTURES HEREAFTER) SHALL BE MOUNTED IN A MANNER THAT WILL NOT COMPROMISE CEILING PERFORMANCE.
   b. ALL FIXTURES SHALL BE SUPPORTED DIRECTLY BY MAIN RUNNERS OR BY SUPPLEMENTAL FRAMING WHICH IS SUPPORTED BY MAIN RUNNERS AND POSITIVELY ATTACHED WITH SCREWS OR OTHER APPROVED CONNECTORS.
   c. SURFACE MOUNTED FIXTURES SHALL BE ATTACHED TO A MAIN RUNNER WITH A POSITIVE CLAMPING DEVICE MADE OF MATERIAL WITH A MINIMUM OF 14 GAGE. ROTATIONAL SPRING CLAMPS DO NOT COMPLY
   d. ACCESS PANELS: ACCESS TO THE SPACE BETWEEN THE CEILING AND THE FLOOR OR ROOF ABOVE SHALL NOT BE ALLOWED. SMALL ACCESS PANELS FOR THE INSPECTION, ADJUSTMENT, OR REPAIR OF UTILITY SWITCHES, VALVES, SENSORS, ETC. MAY BE ALLOWED IF THE PANEL IS LESS THAN 300 SQUARE INCHES. SUCH PANELS SHALL ALSO HAVE A PERMANENT WARNING LABEL AS FOLLOWS:

      WARNING: 1. DO NOT CLIMB, WALK, OR CRAWL ON THE GYPSUM BOARD CEILING.
      2. DO NOT STORE OR STOW ANYTHING ON THE GYPSUM BOARD CEILING.
   e. ALL LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE ONE NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXTURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.
   f. ALL FIXTURES WEIGHING GREATER THAN 10 LB BUT LESS THAN OR EQUAL TO 56 LB. SHALL HAVE TWO NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXTURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.
   g. ALL FIXTURES WEIGHING GREATER THAN 56 LB. SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE ABOVE BY APPROVED HANGERS.
   h. PENDENT-HUNG FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING NO LESS THAN NO. 9-GAUGE WIRE OR AN APPROVED ALTERNATE SUPPORT. THE CEILING SUSPENSION SYSTEM SHALL NOT PROVIDE ANY DIRECT SUPPORT.
   i. ALL RECESSED OR DROP-IN FIXTURES SHALL BE SUPPORTED DIRECTLY FROM FIXTURE HOUSING TO THE STRUCTURE ABOVE WITH A MINIMUM OF TWO NO. 12 GAUGE WIRES LOCATED AT DIAGONALLY OPPOSITE CORNERS. LEVELING OR POSITIONING OF FIXTURES SHALL BE PROVIDED BY CEILING GRID. FIXTURE SUPPORT WIRES MAY BE SLIGHTLY LOOSE TO ALLOW THE FIXTURE TO SEAT IN THE GRID SYSTEM. FIXTURES SHALL NOT BE SUPPORTED FROM MAIN RUNNERS OR FURRING CHANNELS IF THE WEIGHT OF THE FIXTURES CAUSES TOTAL DEAD LOAD TO EXCEED THE DEFLECTION CAPABILITY OF THE CEILING SUSPENSION SYSTEM.
16. CEILINGS THAT ARE PART OF A FIRE RATED ASSEMBLY: PROVIDE DETAIL AND DESIGN NUMBER FOR RATED CEILING ASSEMBLIES FROM AN APPROVED TESTING AGENCY. THE COMPONENTS AND INSTALLATION DETAILS SHALL CONFORM IN EVERY RESPECT WITH THE LISTED DETAIL AND NUMBER. DETAILS SHALL CLEARLY DEPICT ALL COMPONENTS, INCLUDING INSULATION MATERIALS, FRAMING AND ATTACHMENT OF THE DESIGN SO THAT THE ASSEMBLY CAN BE CONSTRUCTED AS INSPECTED ACCORDINGLY. POP RIVETS, SCREWS, OR OTHER ATTACHMENTS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS AND APPROVED BY OSHPD.

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Sheet Title: GYP-BOARD SUSPENDED CEILING PAGE 4 OF 5 — CG0.03

17. GYPSUM BOARD INSTALLATION SHALL COMPLY WITH ASTM C840-11:
   a. GYPSUM BOARD SHALL CONSIST OF SINGLE-PLY ½" OR 5/8" THICK IN ACCORDANCE WITH ASTM C11-10a.
   b. GYPSUM BOARD SHALL BE INSTALLED PERPENDICULAR TO FURRING WITH SCREWS AT 12" ON CENTER MAXIMUM IN ACCORDANCE WITH ASTM C840-11.
   c. GYPSUM BOARD SHALL BE ATTACHED TO FURRING/FRAMING WITH ASTM C1002-07 TYPE S (ASTM A568-11b GRADES 1018 TO 1022) SCREWS (NOT LESS THAN, NO. 6, WITH MAJOR DIAMETER NOT LESS THAN 0.136 IN.)

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IN ACCORDANCE WITH DSA IR A-5, DSA WILL ACCEPT OSHPD PREAPPROVED DETAILS (OPD) "2013 CBC STANDARD GYPSUM BOARD CEILING DETAILS FOR SUSPENDED AND JOINT FRAMING CONSTRUCTION."

1. ALL REFERENCES TO 2013 CBC TO BE 2019 CBC

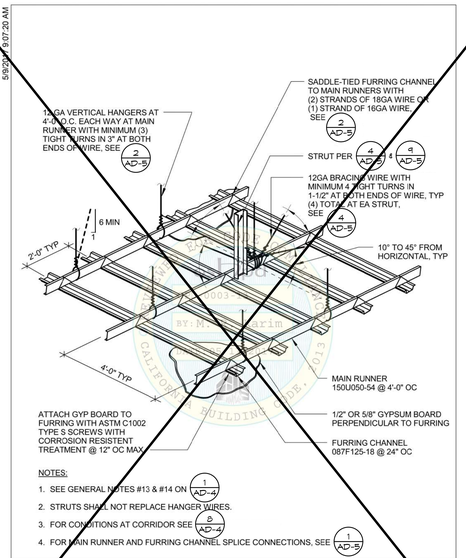
2. ALL REFERENCES TO OSHPD TO BE DSA

Sds = 1.1

GYP-BOARD SUSPENDED CEILING NOTES — SCALE: NONE — 1

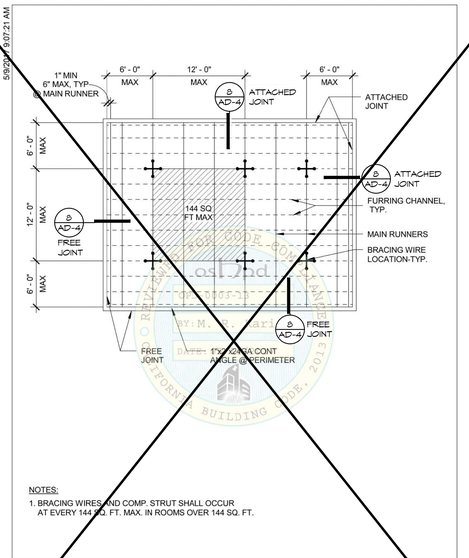
GYP-BOARD SUSPENDED CEILING NOTES

SCALE: NONE — 1



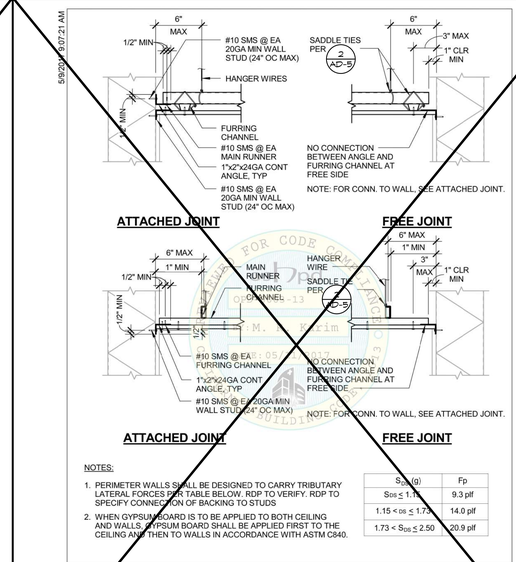
NOTES:
1. SEE GENERAL NOTES #13 & #14 ON 1/AD-4
2. STRUTS SHALL NOT REPLACE HANGER WIRES.
3. FOR CONDITIONS AT CORRIDOR SEE 5/AD-4
4. FOR MAIN RUNNER AND FURRING CHANNEL SPLICE CONNECTIONS, SEE 1/AD-5

SUSPENDED CEILING BRACING ASSEMBLY — SCALE: NONE — 6



NOTES:
1. BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 144 SQ. FT. MAX. IN ROOMS OVER 144 SQ. FT.

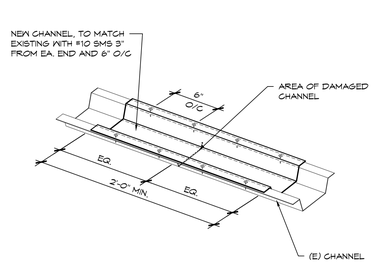
TYPICAL CEILING PLAN — SCALE: NONE — 7



NOTES:
1. PERIMETER WALLS SHALL BE DESIGNED TO CARRY TRIBUTARY LATERAL FORCES PER TABLE BELOW. RDP TO VERIFY. RDP TO SPECIFY CONNECTION OF BACKING TO STUDS
2. WHEN GYPSUM BOARD IS TO BE APPLIED TO BOTH CEILING AND WALLS, GYPSUM BOARD SHALL BE APPLIED FIRST TO THE CEILING AND THEN TO WALLS IN ACCORDANCE WITH ASTM C840.

S_{DS} (g)	Fp
$S_{DS} \leq 1.15$	9.3 plf
$1.15 < S_{DS} \leq 1.73$	14.0 plf
$1.73 < S_{DS} \leq 2.50$	20.9 plf

CEILING PERIMETER — SCALE: NONE — 8



FURRING CHANNEL REPAIR SPLICE — SCALE: 1½" = 1'-0" — 9

REVISIONS	BY
1 ADDENDUM 01	R.S.

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ARCHITECT

LICENSED ARCHITECT — JAMES C. BASTIAN, JR. — No. C-27546 — REN. 6-2027 — STATE OF CALIFORNIA

PROJECT: SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: DETAIL SHEET

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET: AD-4 (1)

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ADDENDUM 1, EXHIBIT "B"

PLOT DATE - 10/14/2026 3:21:54 PM
SHEET SIZE - ARCH E [30.00 X 42.]
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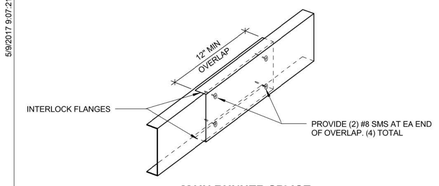
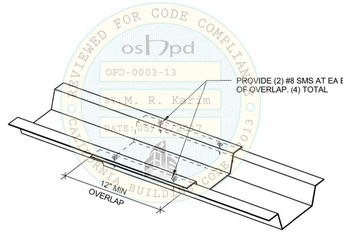
5/9/2017 9:07:21 AM



MAIN RUNNER SPLICE



FURRING CHANNEL SPLICE

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No:
Sheet Title : SPLICE DETAILS — CG2.31

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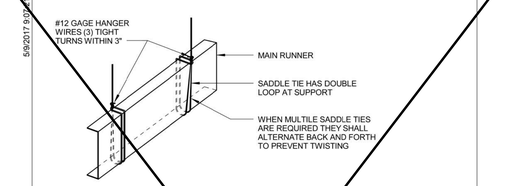
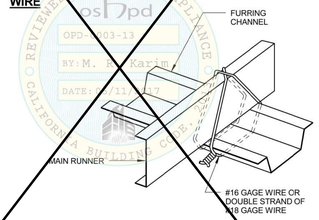
SUSPENDED GYP. BOARD SPLICE DETAIL | SCALE: NONE | 1

5/9/2017 9:07:21 AM



SADDLE TIE AT MAIN RUNNER TO HANGER WIRE



SADDLE TIE AT FURRING CHANNEL TO MAIN RUNNER

NOTE:
REFERENCE ASTM C754 FIGURES 5 & 13

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No:
Sheet Title : SADDLE TIE DETAILS — CG2.32

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SUSPENDED GYP. BOARD SADDLE DETAIL | SCALE: NONE | 2

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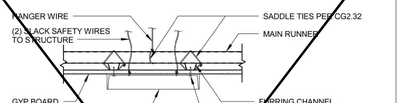

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No:
Sheet Title : SURFACE MOUNTED FIXTURE — CG2.70

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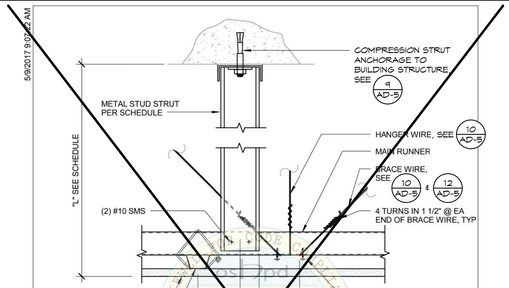
SUSPENDED GYP. BOARD SURFACE MOUNTED FIXTURE | SCALE: NONE | 3

5/9/2017 9:07:22 AM



STRUT SCHEDULE	
L	STRUT
L ≤ 5'-0"	250T125-33
5'-0" < L ≤ 8'-0"	400T137-33

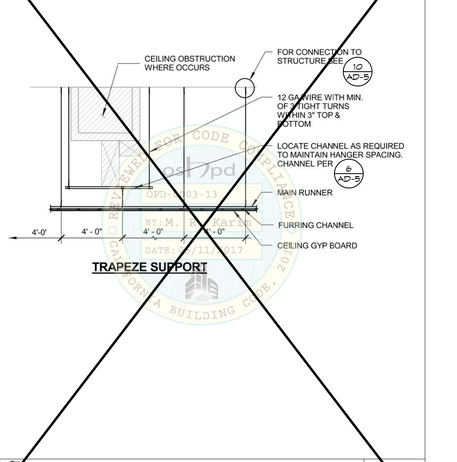
SIDE VIEW

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No:
Sheet Title : STRUT & BRACING WIRE ASSEMBLY - METAL STUD TYPE STRUT — CG3.10

05/11/2017 OPD-0003-13: Reviewed for Code Compliance by Karim Page 41 of 75

STRUT & BRACING WIRE ASSEMELY | SCALE: NONE | 4

5/9/2017 9:07:23 AM



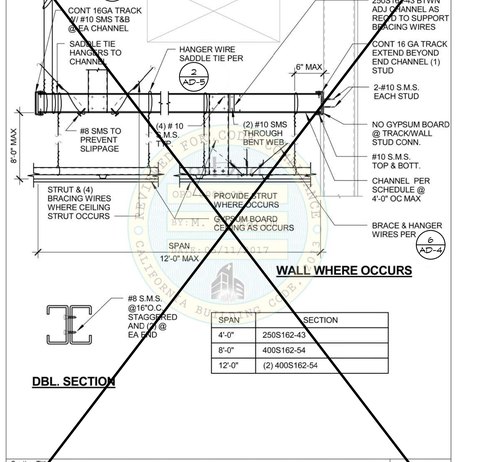
TRAPEZE SUPPORT

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No:
Sheet Title : OBSTRUCTION - TRAPEZE CONDITION — CG6.10

05/11/2017 OPD-0003-13: Reviewed for Code Compliance by Karim Page 61 of 75

SUSPENDED GYP. BOARD CEILING OBSTRUCTION - TRAPEZE CONDITION | SCALE: NONE | 5

5/9/2017 9:07:23 AM



WALL WHERE OCCURS

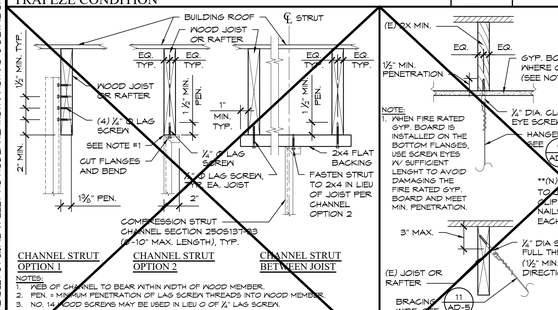
DBL. SECTION

SPAN	SECTION
4'-0"	250S162-43
8'-0"	400S162-54
12'-0"	(2) 400S162-54

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS — OPD No:
Sheet Title : OBSTRUCTION-BRIDGE AT LARGE OFFSET CONDITION — CG6.20

05/11/2017 OPD-0003-13: Reviewed for Code Compliance by Karim Page 62 of 75

SUSPENDED GYP. BOARD CEILING OBSTRUCTION - BRIDGE AT LARGE OFFSET CONDITION | SCALE: NONE | 6

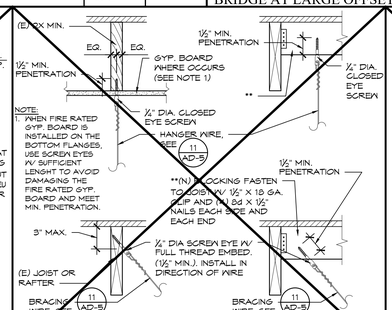


CHANNEL STRUT OPTION 1 | CHANNEL STRUT OPTION 2 | CHANNEL STRUT BETWEEN JOIST

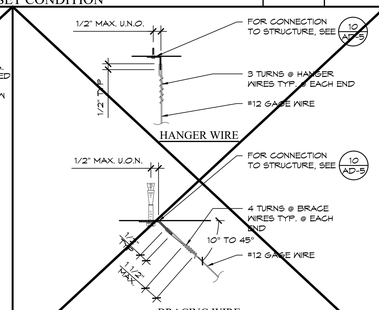
NOTES:
1. WEB OF CHANNEL TO BEAR WITHIN WIDTH OF WOOD MEMBER.
2. PEN. = MINIMUM PENETRATION OF LAG SCREW THREADS INTO WOOD MEMBER.
3. NO. 14 WOOD SCREWS MAY BE USED IN LIEU O OF ¼" LAG SCREW.

CHANNEL STRUT

STRUT CONNECTION TO SAWN TIMBER WITHOUT GYPSUM BOARD | SCALE: 1½" = 1'-0" | 9

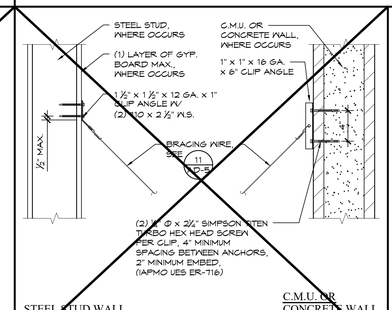


HANGER & BRACING WIRE CONNECTION TO SAWN TIMBER | SCALE: 1½" = 1'-0" | 10



BRACING WIRE

HANGER & BRACING WIRE CONNECTION - TYP. WIRE TURNS | SCALE: 3" = 1'-0" | 11



STEEL STUD WALL | C.M.U. OR CONCRETE WALL

BRACING WIRE CONNECTION TO WALL | SCALE: 1½" = 1'-0" | 12

REVISIONS	BY
1 ADDENDUM 01	R.S.

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ENGINEER

ARCHITECT

LICENSED ARCHITECT
SCOTT A. FRICK
NO. C-27546
REN. 6-2027
STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: DETAIL SHEET

DATE: October 2026
DRAWN: ---
JOB: SJ21-01
SHEET: AD-5

ADDENDUM 1, EXHIBIT "B"

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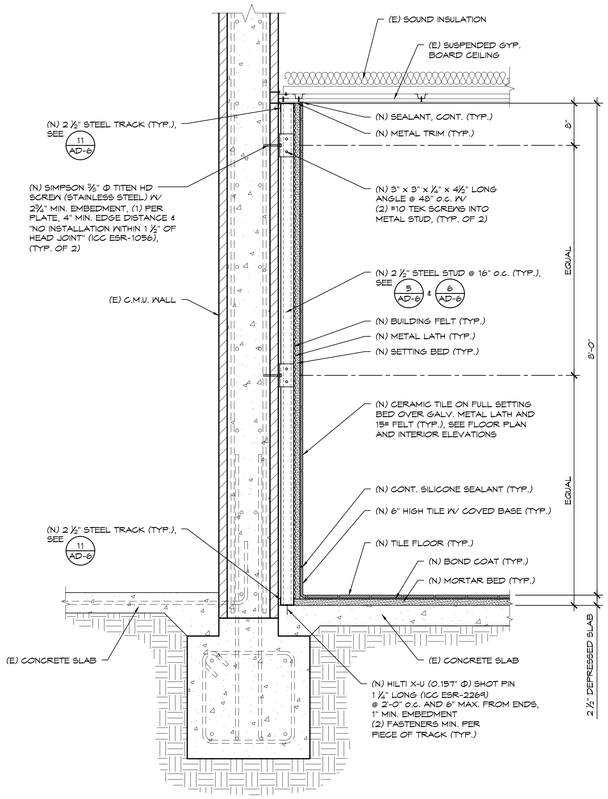
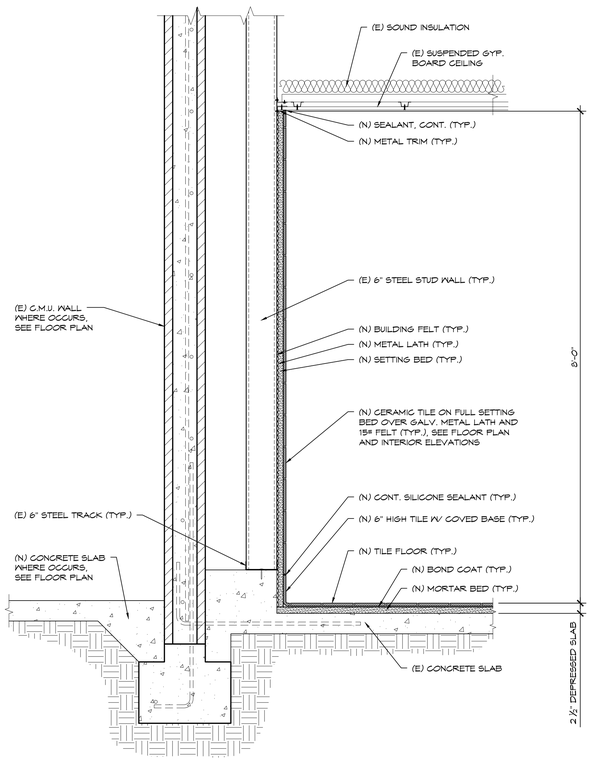
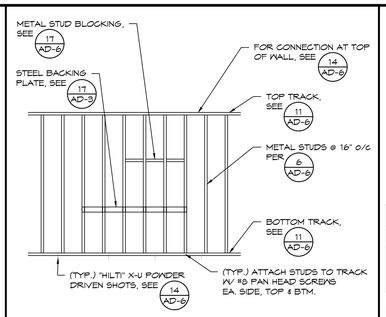
SHEET SIZE: ARCH E (30"X42")
PLOT DATE: 10/2/2026 - 12:46 PM



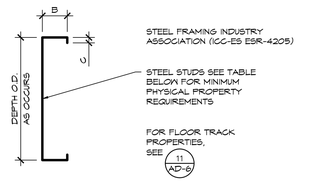
STUD WALL FURRING AT MASONRY WALL | SCALE: 1" = 1'-0" | 00-000 REV | 14



NEW CERAMIC TILE AT EXISTING STUD WALL | SCALE: 1" = 1'-0" | 00-000 REV | 16



TYPICAL WALL FRAMING | SCALE: ¼" = 1'-0" | 05-0356 REV | 5

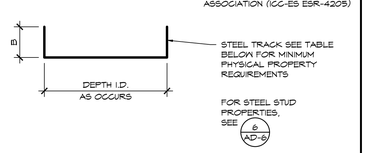


STUD SCHEDULE

SIZE	GAUGE	B	C	AREA (IN^2)	I (IN^4)	S (IN^3)	MAX. INTERIOR STUD WALL HT.*	SSMA DESIGNATION
2 ½"	16	1 ½"	.433"	.358	.370	.296	15'-0"	250S162-54
4"	16	1 ½"	.569"	.445	1.045	.547	28'-1"	400S162-54
6"	16	1 ½"	.569"	.556	2.060	.753	39'-1"	600S162-54
8"	16	1 ½"	.569"	.648	3.786	1.184	55'-8"	800S162-54

* MAX. HEIGHT PER SCHEDULE BASED ON SSMA CATALOG FOR INTERIOR, NON-BEARING WALLS WITH 5 PSF S.F. LATERAL LOAD @ L/240 @ 16" O.C.

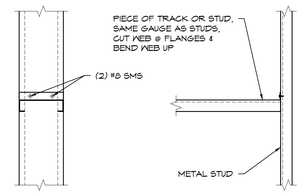
STEEL STUD DETAIL | SCALE: 3" = 1'-0" | 05-0356 REV | 6



TRACK SCHEDULE

	DEPTH	GAUGE	B	AREA (IN^2)	I (IN^4)	S (IN^3)	SSMA DESIGNATION
STANDARD TRACK	2 ½"	16	1 ½"	.311	.365	.273	250T150-54
	4"	16	1 ½"	.396	1.035	.484	400T150-54
	6"	16	1 ½"	.569	2.511	.940	600T150-54
	8"	16	1 ½"	.683	5.211	1.378	800T150-54
DEEP LEG TRACK	2 ½"	12	2"	.544	.647	.518	250T200-54
	4"	12	2"	.756	1.842	.936	400T200-54
	6"	12	2"	.969	4.064	1.488	600T200-54

STEEL TRACK DETAIL | SCALE: 3" = 1'-0" | 05-0358 REV | 11



METAL STUD BLOCKING | SCALE: 1½" = 1'-0" | 17

12 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30

REVISIONS

	BY
⚠1 ADDENDUM 01	R.S.

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JOB: SJ21-01
SHEET:
AD-6

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Z:\SNOWLINE\SJ21-01 QUAIL VALLEY MS MODERNIZATION\ARCH\AD-6 DETAIL SHEET.DWG

SHEET SIZE: ARCH E (30"X42")
PLOT DATE: 10/12/2026 12:40:13 PM

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO RESIST THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2019 CBC SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEMS ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G.,OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP☐MD☐PP☒E☐- OPTION 1 : DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS

MP☐MD☐PP☒E☐- OPTION 2 : SHALL COMPLY WITH APPLICABLE OSHPD PRE-APPROVAL OPM #0203-13

GENERAL NOTES

1. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
2. ALL ACCESSIBLE WATER CLOSETS SHALL HAVE FLUSH VALVE WITH HANDLE ON OPEN SIDE.
3. ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.
4. ALL PLUMBING FIXTURE VENTS TO TERMINATE A MINIMUM OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM ANY OUTSIDE AIR INTAKES.
5. EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS.
6. ALL EXTERIOR GAS COCKS, WATER SHUT OFF VALVES AND/OR SEWER CLEANOUTS BELOW GROUND SHALL BE INSTALLED IN YARD BOXES WITH THE COVERS CONSPICUOUSLY MARKED "GAS", "WATER", AND "SEWER" RESPECTIVELY.
7. CONNECTION BETWEEN INCOMPATIBLE MATERIALS ABOVE GRADE AND INSIDE BUILDING SHALL BE MADE WITH TWO (2) DIELECTRIC UNIONS SEPARATED BY A TWELVE INCH (12") SECTION OF RED BRASS PIPE.
8. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC., AND THE ARCHITECT PRIOR TO ANY INSTALLATION.
9. SEE ARCHITECTURAL DRAWINGS FOR ACCESSIBLE FIXTURE LOCATIONS AND MOUNTING HEIGHTS. INSULATE ALL EXPOSED HOT WATER AND DRAIN PIPING BELOW ACCESSIBLE LAVATORIES AND SINKS.
10. ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING.
11. ALL WORK AND MATERIAL SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH CALIFORNIA PLUMBING CODE 2019.
12. THESE DRAWINGS INDICATE THE SEWER, WATER, AND STORM DRAIN SYSTEMS TO POINT OF CONNECTION 5'-0" OUTSIDE OF THE BUILDING. CONTINUATION OF THESE SYSTEMS IS SHOWN ON THE CIVIL DRAWINGS AND IS SPECIFIED UNDER ANOTHER SECTION OF THE SPECIFICATIONS. THE PIPING SHALL BE INSTALLED TO MEET THE INVERT ELEVATIONS SHOWN ON THE CIVIL DRAWINGS.
13. INSULATION (SEE SPECIFICATION FOR TYPE REQUIRED) AND COVERING ON PIPE AND TUBING SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 50 WHEN TESTED IN ACCORDANCE WITH 2019 C.B.C. SECTION 720.7.
14. ANY ALTERATIONS TO A STRUCTURAL MEMBER, SUCH AS CUTTING, BORING, BRAZING, DRILLING, WELDING, ETC. SHALL HAVE PRIOR WRITTEN APPROVAL OF ARCHITECT, STRUCTURAL ENGINEER AND DSA.
15. ALL PLUMBING FIXTURES SHALL COMPLY WITH CALGREEN SECTION 5.303.3 FOR WATER FLOW RATES AND VOLUME USAGE.
16. WHERE FROST OR SNOW CLOSURE IS LIKELY TO OCCUR IN LOCATIONS HAVING MINIMUM DESIGN TEMPERATURE BELOW 0°F (-17.8°C), VENT TERMINALS SHALL BE NOT LESS THAN 2 INCHES (50 MM) IN DIAMETER, BUT IN NO EVENT SMALLER THAN THE REQUIRED VENT PIPE. THE CHANGE IN DIAMETER SHALL BE MADE INSIDE THE BUILDING NOT LESS THAN 1 FOOT (305 MM) BELOW THE ROOF IN AN INSULATED SPACE AND TERMINATE NOT LESS THAN 10 INCHES (254 MM) ABOVE THE ROOF, OR IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION.
17. PROVIDE NEW WATER HAMMER ARRESTORS ON WATER HEADERS SERVING WATER CLOSETS, LOCATED BETWEEN THE LAST TWO WATER CLOSETS. PROVIDE ACCESS PANEL ON WALL AS REQUIRED.

1

LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	S OR W	SOIL OR WASTE ABOVE FLOOR
	S OR W	SOIL OR WASTE BELOW FLOOR OR GRADE
SD	SD	STORM DRAIN ABOVE FLOOR
SD	SD	STORM DRAIN BELOW FLOOR OR GRADE
OD	OD	OVERFLOW DRAIN ABOVE FLOOR
OD	OD	OVERFLOW DRAIN BELOW FLOOR OR GRADE
	V	SANITARY VENT
	CW	COLD WATER
	HW	HOT WATER
	HWR	HOT WATER RETURN
CD	CD	CONDENSATE DRAIN
OCD	OCD	OVERFLOW CONDENSATE DRAIN
TP	TP	TRAP PRIMER
G	G	GAS LINE
ICW	ICW	INDUSTRIAL COLD WATER
MPG	MPG	MEDIUM PRESSURE GAS
TW	TW	TEMPER WATER
F	F	FIRE LINE
AS	AS	AUTOMATIC SPRINKLER LINE
		DIRECTION OF FLOW
	SOV	SHUT-OFF VALVE
	SOV/GC	SHUT-OFF VALVE OR GAS COCK IN YARD BOX
	GC	GAS COCK
	BV	BALANCING VALVE
	RP-BFP	REDUCED PRESSURE BACKFLOW PREVENTOR
	FCO	FLOOR CLEANOUT
	WCO	WALL CLEANOUT
		RISER UP
		RISER DOWN
	ABV	ABOVE
	AP	ACCESS PANEL
	BEL	BELOW
	CLG	CEILING
	CONT	CONTINUATION
	COTG	CLEANOUT TO GRADE
	DN	DOWN
	EXIST	EXISTING
	FLR	FLOOR
	FFE	FINISH FLOOR ELEVATION
	HDR	HEADER
	I.E.	INVERT ELEVATION
	POC	POINT OF CONNECTION
	POD	POINT OF DEMOLITION
	SLVE	SLEEVE
	VTR	VENT THRU ROOF
	YB	YARD BOX

SHEET INDEX

S.NO.	SHEET No.	SHEET TITLE
1	P0.1	PLUMBING GENERAL NOTES AND LEGEND
2	P0.2	PLUMBING SCHEDULES
3	PD2.1	PLUMBING BUILDING 200 - DEMO FLOOR PLAN
4	PD3.1	PLUMBING BUILDING 300 - DEMO FLOOR PLAN
5	PD5.1	PLUMBING BUILDING 500 - DEMO FLOOR PLAN
6	PD6.1	PLUMBING BUILDING 600 - DEMO FLOOR PLAN
7	PD7.1	PLUMBING BUILDING 700 - DEMO FLOOR PLAN
8	P2.1	PLUMBING BUILDING 200 - NEW FLOOR PLAN
9	P3.1	PLUMBING BUILDING 300 - NEW FLOOR PLAN
10	P5.1	PLUMBING BUILDING 500 - NEW FLOOR PLAN
11	P6.1	PLUMBING BUILDING 600 - NEW FLOOR PLAN
12	P7.1	PLUMBING BUILDING 700 - NEW FLOOR PLAN
13	P8.1	PLUMBING DETAILS

ABBREVIATIONS

Ø	DIAMETER	HDR	HEADER
&	AND	I.E.	INVERT ELEVATION
@	AT	MAX	MAXIMUM
ADA	AMERICAN WITH DISABILITIES ACT	MIN	MINIMUM
AP	ACCESS PANEL	OFCI	OWNER FURNISHED-CONTRACTOR INSTALLED
ABV	ABOVE	PSI	POUNDS PER SQUARE INCH (GAUGE)
AFF	ABOVE FINISHED FLOOR	RI&C	ROUGH IN & CONNECT
BEL	BELOW	SHT	SHEET
CFH	CUBIC FEET PER HOUR	THRU	THROUGH
CLG	CEILING	TYP	TYPICAL
CONN	CONNECT OR CONNECTION	VTR	VENT THRU ROOF
CONT	CONTINUED OR CONTINUATION	W/	WITH
DN	DOWN	W.C.	WATER COLUMN
FLR	FLOOR	FPS	FEET PER SECOND
FU	FIXTURE UNIT(S) (CODE)	VEL.	VELOCITY
GPF	GALLONS PER FLUSH	SOV	SHUT OFF VALVE
GR	GRADE OR GROUND		

APPLICABLE CODES

BUILDING OCCUPANCY CLASSIFICATION: -

THE CONSTRUCTION OF THIS PROJECT SHALL CONFORM TO THE REQUIREMENTS OF:

	CODE
2022	California Building Standards Administrative Code PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
2019	California Building Code PART 2, TITLE 24, CCR
2019	California Electrical Code PART 3, TITLE 24, CCR
2019	California Mechanical Code PART 4, TITLE 24, CCR
2019	California Plumbing Code PART 5, TITLE 24, CCR
2019	California Energy Code PART 6, TITLE 24, CCR
2019	California Fire Code PART 9, TITLE 24, CCR
2019	California Green Building Standard Code (CALGreen), Part II, Title 24 C.C.R.
2019	California Referenced Standards, Part 12, Title 24 C.C.R. Title 18 C.C.R., Public Safety, State Fire Marshal Regulations.

NOTE:
SEE SHEET SC-2 FOR
ADDITIONAL CODE REFERENCES

PIPE MATERIAL SCHEDULE

NOTE:
ANY (T) PIPING SYSTEM SHALL BE SAME AS (N) OR EQUAL.

SERVICE			MATERIAL: SEAMLESS COPPER TUBING, TYPE L, DRAWN TEMPER, ASTM B88	ABS DWV - SCH 40 SOLID WALL	SCHEDULE 40 PVC WITH SOLVENT WELD FITTINGS, PAINT W/ UV PROTECTION	BLACK STEEL SCH 40	CAST IRON SOIL PIPE & FITTING	PE - POLYETHYLENE SDR 11	COPPER TYPE K 95/5 SOLDER	REMARKS
WATER	(CW) (HW) (HWR)	INSIDE	●							5 PSI/100 FT. @ 8PSI MAX. VELOCITY
		OUTSIDE							●	
WASTE & VENT	(W) (V)	INSIDE					●			GRAVITY @ 2% SLOPE
		OUTSIDE		●						
STORM DRAIN	(SD) (OD)	INSIDE					●			(SIZED FOR 2" RAINFALL 1HR) SLOPE @ 1/4" 1FT SLOPE
		OUTSIDE		●						
CONDENSATE DRAIN	(DR)	INSIDE			●					
		OUTSIDE								
GAS	(G)	INSIDE				●				
		OUTSIDE						●		

PLUMBING FIXTURE FLOW RATES
Non-Residential Occupancies

SECTION 5.303.2
WATER REDUCTION FIXTURE FLOW RATES

FIXTURE TYPE	MAXIMUM ALLOWABLE FLOW RATE
Showerheads	1.8 gpm @ 80 psi
Lavatory faucets, residential	1.2 gpm @ 60 psi[1,3]
Lavatory Faucets, nonresidential	0.4 gpm @ 60 psi[1,3]
Kitchen faucets	1.5 gpm @ 60 psi[2,4,5]
Wash fountains	1.8 gpm for every 20 in. of rim space @60 psi
Metering faucets	0.2 gallons/cycle
Metering faucets for wash fountains	0.2 gpm for every 20 in. of rim space @ 60 psi
Gravity tank type water closets	1.28 gallons/flush[6]
Flushometer tank water closets	1.28 gallons/flush[6]
Flushometer valve water closets	1.28 gallons/flush[6]
Urinals	0.125 gallons/flush
Clothes Washers	ENERGY-STAR certified
Dishwashers	ENERGY-STAR certified

[1] Lavatory faucets shall not have a flow rate less than 0.8 gpm at 20 psi.
[2] Kitchen faucets may temporarily increase flow above the maximum rate, but not above 2.2gpm @ 60psi and must default to a maximum flow rate of 1.8 gpm @ 60psi.
[3] Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.
[4] Kitchen faucets with a maximum 1.8 gpm flow rate may be installed in buildings that have water closets with a maximum flush rate of 1.06 gallons/flush installed throughout
[5] This requirement does not apply to faucets in commercial kitchens.
[6] Includes single and dual flush water closets with an effective flush of 1.28 gallons or less.
Single Flush Toilets - The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is the average flush volume when tested in accordance with ASME A112.19.233.2.
Dual Flush Toilets - The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is defined as the composite, average flush volume of two reduced flushes and one full flush. Flush volumes will be tested in accordance with ASME A112.19.2 and ASME A112.19.14.

As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability and, upon request, will provide reasonable accommodation to ensure equal access to its programs, services and activities.

WATER CONSERVATION ORDINANCE NOTES
NON-RESIDENTIAL BUILDINGS

1. For new buildings or additions exceeding 50,000 ft², install a separate water meter or sub-meter for the following areas:
   A. For each individual leased, rented, or other tenant space within the building projected to consume more than 100 gpd (380 L/day).
   B. Where potable water is used for industrial/process uses, for water supplied to the following subsystems:
      a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s).
      b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).
      c. Steam and hot-water boilers with energy input more than 500,000 Btu/h (147 kW).
   C. For each building that uses more than 100 gpd on a parcel containing multiple buildings. (5.303.1.1)
2. Provide a 20% reduction in the overall potable water use for each building. The reduction shall be based on the maximum allowable water use per plumbing fixture and fittings as required by the Los Angeles Plumbing Code. New projects having a water supply of 2"or less and additions and alterations projects may use the prescriptive method outlined in this section. (5.303.2)
3. A water budget for landscape irrigation use that conforms to the California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO) is required for new landscape areas of 500 sqft or more. The following methods to reduce potable water use in landscape areas include, but are not limited to, use of captured rainwater, recycled water, graywater, or water treated for irrigation purposes and conveyed by a water district or public entity. (5.304.1, 5.304.2)
4. New buildings on a site with 1,000 square feet or more of cumulative landscape area shall have separate meters or submeters for outdoor water use. (5.304.4)
5. Additions and alterations on a site with 1,000 square feet of cumulative landscape area which require water service upgrade shall have separate meters or submeters for outdoor water use. (5.304.4)
6. Locks shall be installed on all publicly accessible exterior faucets and hose bibs. (5.304.5)
7. Except as provided in this section, for sites with over 500 square feet of landscape area, alternate waste piping shall be installed to permit discharge from the clothes washer, bathtub, showers, and bathroom/restrooms wash basins to be used for a future graywater irrigation system (5.305.1)
8. Except as provided in this section, where City-recycled water is available within 200 feet of the property line, water closets, urinals, floor drains, and process cooling and heating in the building shall be supplied from recycled water and shall be installed in accordance with the Los Angeles Plumbing Code. (5.305.2)
9. Cooling towers shall comply with one of the following:
   A. Shall have a minimum of 6 cycles of concentration (blowdown)
   B. A minimum of 50% of the makeup water supply to the cooling towers shall come from non-potable water sources, including treated backwash. (5.305.3)
10. Develop and construct a system for onsite reuse of the groundwater where groundwater is being extracted and discharged. Alternatively, the groundwater may be discharged to the sewer. (5.305.4)
11. Provide a hot water system complying with one of the following:
    A. The hot water system shall not allow more than 0.6 gallons of water to be delivered to any fixture before hot water arrives.
    B. Where a hot water recirculation or electric resistance heat trace wire system is installed, the branch from the recirculating loop or electric resistance heat trace wire to the fixture shall contain a maximum of 0.6 gallons. (Los Angeles Plumbing Code Section 610.4.1)

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LICENSED ARCHITECT — BAS — NO. C-27546 — REN. 6-2027 — STATE OF CALIFORNIA

PROJECT: SITE WORK RESTROOM & FIRE ALARM UPGRADES& QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: PLUMBING GENERAL NOTES AND LEGEND

DATE: October 12, 2026
DRAWN: HA
JOB: 501-21-0097
SHEET: P0.1

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SHEET SIZE: ARCH E (30"X42")
PLOT DATE: 10/12/2026 12:40:18 PM

PLUMBING FIXTURE SCHEDULE

ITEM	FIXTURE	ROUGH-IN CONNECTIONS						DESCRIPTION
		TRAP	WASTE	VENT	HOT WATER	COLD WATER	GAS	
WC 1 **	WATER CLOSET	INT	4"	2"	--	1 1/2"	--	AMERICAN STANDARD NO. 2257.101 "MADERA FLOWISE" FLUSHOMETER TOILET, WALL MOUNTED, ELONGATED BOWL, VITREOUS CHINA, SLOAN NO. G2-8111 -1.28 GPF BATTERY POWER SENSOR FLUSHOMETER AND A/S NO. 5901.100SS SEAT W/ BOLT CAPS. JR SMITH COMPACT CARRIER SERIES
WC 2 **	WATER CLOSET, ADA ACCESSIBLE	INT	4"	2"	--	1 1/2"	--	AMERICAN STANDARD NO. 2257.101 "MADERA FLOWISE" FLUSHOMETER TOILET, WALL MOUNTED, ELONGATED BOWL, VITREOUS CHINA, SLOAN NO. G2-8111 -1.28 GPF BATTERY POWER SENSOR FLUSHOMETER AND A/S NO. 5901.100SS SEAT W/ BOLT CAPS. JR SMITH COMPACT CARRIER SERIES
UR 1	URINAL	INT	2"	2"	--	1"	--	AMERICAN STANDARD NO. 6590.001 WASHBROOK FLOWISE" URINAL, WALL MOUNTED, WHITE VITREOUS CHINA. COMPLETE W/ JR SMITH CARRIER. COMPLETE WITH SLOAN ROYAL NO. 186, 0.125GPF MANUAL FLUSHOMETER.
UR 2	URINAL, ADA ACCESSIBLE	INT	2"	2"	--	1"	--	AMERICAN STANDARD NO. 6590.001 WASHBROOK FLOWISE" URINAL, WALL MOUNTED, WHITE VITREOUS CHINA. COMPLETE W/ JR SMITH CARRIER. COMPLETE WITH SLOAN ROYAL NO. 186, 0.125GPF MANUAL FLUSHOMETER. MOUNT AT ADA HEIGHT.
L 1	LAVATORY	1-1/4"	2"	2"	1/2"	1/2"	--	AMERICAN STANDARD NO. 0355.012 "LUCERNE" WALL-HUNG LAVATORY, VITREOUS CHINA, 4" CENTERS. INSTALL AT ADA HEIGHT. CHICAGO METERING FAUCET 802-VE2805-665ABCP, DECK MOUNTED, W/ MANUAL MIXING VALVE (SET AT 105DEG), 0.5 GPM. PROVIDE CHICAGO STOPS, SUPPLIES AND LA PATTERN P-TRAP.
L 2	LAVATORY ADA ACCESSIBLE.	1-1/4"	2"	2"	1/2"	1/2"	--	AMERICAN STANDARD NO. 0355.012 "LUCERNE" WALL-HUNG LAVATORY, VITREOUS CHINA, 4" CENTERS. INSTALL AT ADA HEIGHT. CHICAGO METERING FAUCET 802-VE2805-665ABCP, DECK MOUNTED, W/ MANUAL MIXING VALVE (SET AT 105DEG), 0.5 GPM. PROVIDE CHICAGO STOPS, SUPPLIES AND LA PATTERN P-TRAP WITH TRUEBRO INSULATED WRAP FOR SCALD PROTECTION

1

** VACUUM BREAKER WATER SUPPLY LINE FOR WATER CLOSETS SHALL BE CUT NOT TO EXCEED 2" TO AVOID CONFLICT WITH ADA GRAB BARS. SEE ARCHITECTURAL INTERIOR ELEVATIONS.

WATER SUPPLY LINE TO WATER CLOSET FLUSH VALVE FROM WALL TO BE INSTALLED ON LEFT SIDE OF FLUSH VALVE WHERE REQUIRED TO AVOID CONFLICT WITH ADA GRAB BARS. SEE ARCHITECTURAL INTERIOR ELEVATIONS.

INSTANTANEOUS ELECTRIC WATER HEATER SCHEDULE (TANKLESS)

NO.	DESCRIPTION	TEMP RISE	LOCATION	STORAGE CAPACITY	KW/AMPS	VOLT	PHASE	MANUFACTURER AND MODEL NO.	REMARKS
EWH 1	TANKLESS INSTANTANEOUS WATER HEATER	57° AT 1.0 GPM FLOW	BUILDING 200	-	8,30 / 30	277	1	CHRONOMITE #M-30L/277	ELECTRIC TANKLESS WATER HEATER. INSTALL HAMMER ARRESTER ON CW SUPPLY. COORDINATE WITH ELECTRICAL INSTALLER FOR POWER CONNECTION. INSTALL PER MANF RECOMMENDATIONS. SECURE TO WALL WITH FACTORY PROVIDED SCREWS. SEE DETAIL 4/P8.1

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PROJECT:
SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
PLUMBING SCHEDULES

DATE: October 12, 2026
DRAWN: HA
JOB: 501-21-0097
SHEET:

P0.2

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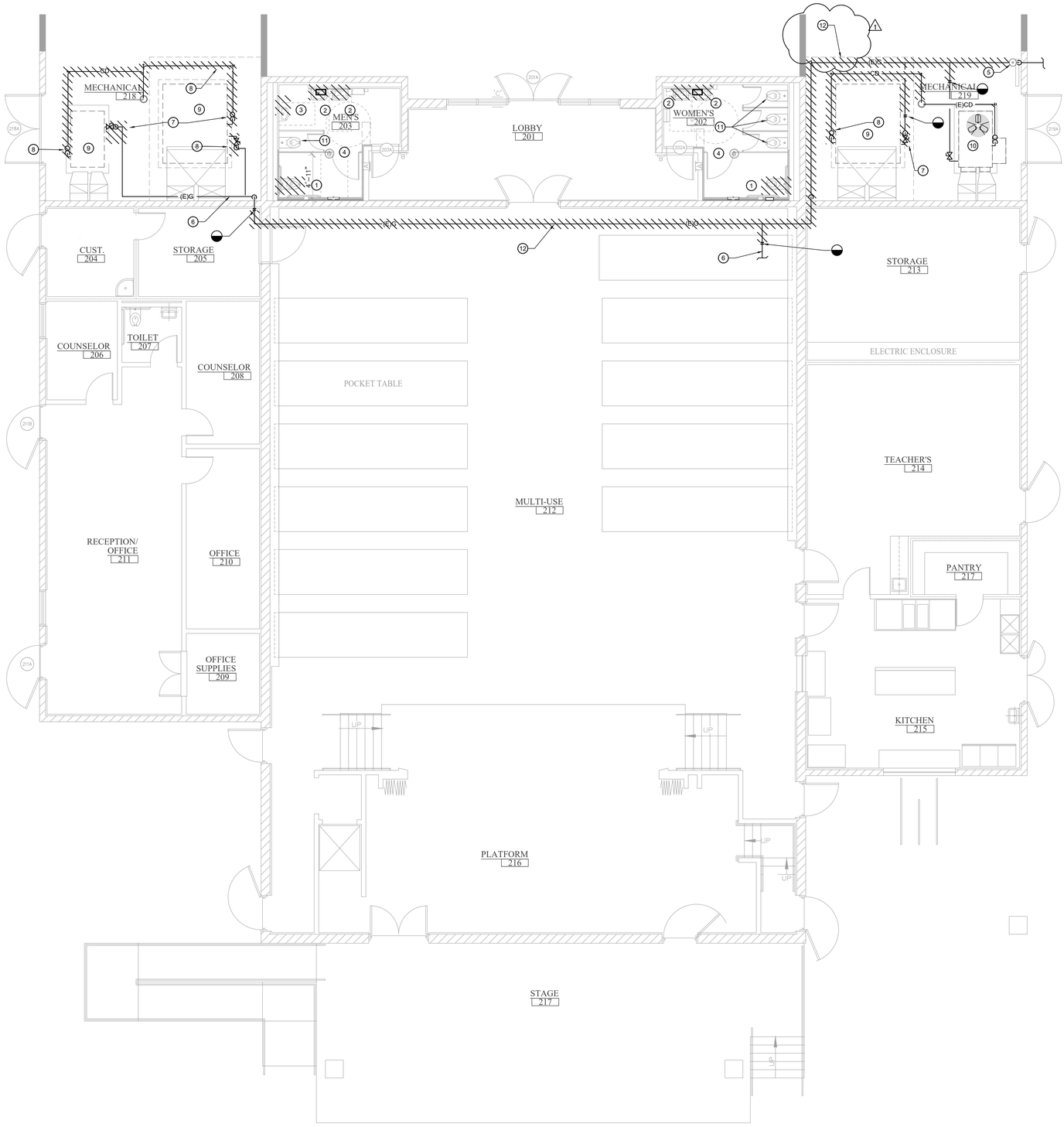

NORTH

PLUMBING BUILDING 200 DEMO FLOOR PLAN

SCALE: 3/16"=1'-0" | 1

DEMOLITION NOTES

1. (E)WATER CLOSET AND FLUSH VALVE TO BE REMOVED. CAP SEWER BEL FLOOR, VENT & WATER LINE IN WALL.
2. (E)LAVATORY, FAUCET, ELECTRIC WATER HEATER AND RELATED FITTING TO BE REMOVED. CAP WASTE, VENT AND WATER PIPING IN WALL.
3. (E)URINAL AND FLUSH VALVE TO BE REMOVED. CAP SEWER AND WATER PIPING IN WALL.
4. (E)FLOOR DRAIN TO REMAIN. CLEAN AND REFURBISH GRATE.
5. (E)GAS PRESSURE REGULATOR TO REMAIN
6. (E)GAS PIPING TO REMAIN
7. (E)3/4"G WITH RELATED VALVES TO AC UNIT TO BE REMOVED.
8. (E)3/4"CD AND ALL CONDENSATE DRAIN PIPING TO BE REMOVED
9. (E)AC UNIT TO BE REPLACED. SEE MECH DWGS
10. (E)AC UNIT AND RELATED GAS AND CONDENSATE DRAIN PIPING TO REMAIN
11. (E)WATER CLOSET AND FLUSH TO REMAIN
12. (E)1-1/4" G. TO BE REMOVED UP TO POINT OF DEMOLITION.

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SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
PLUMBING BUILDING 200 - DEMO FLOOR PLAN

DATE: October 12, 2026
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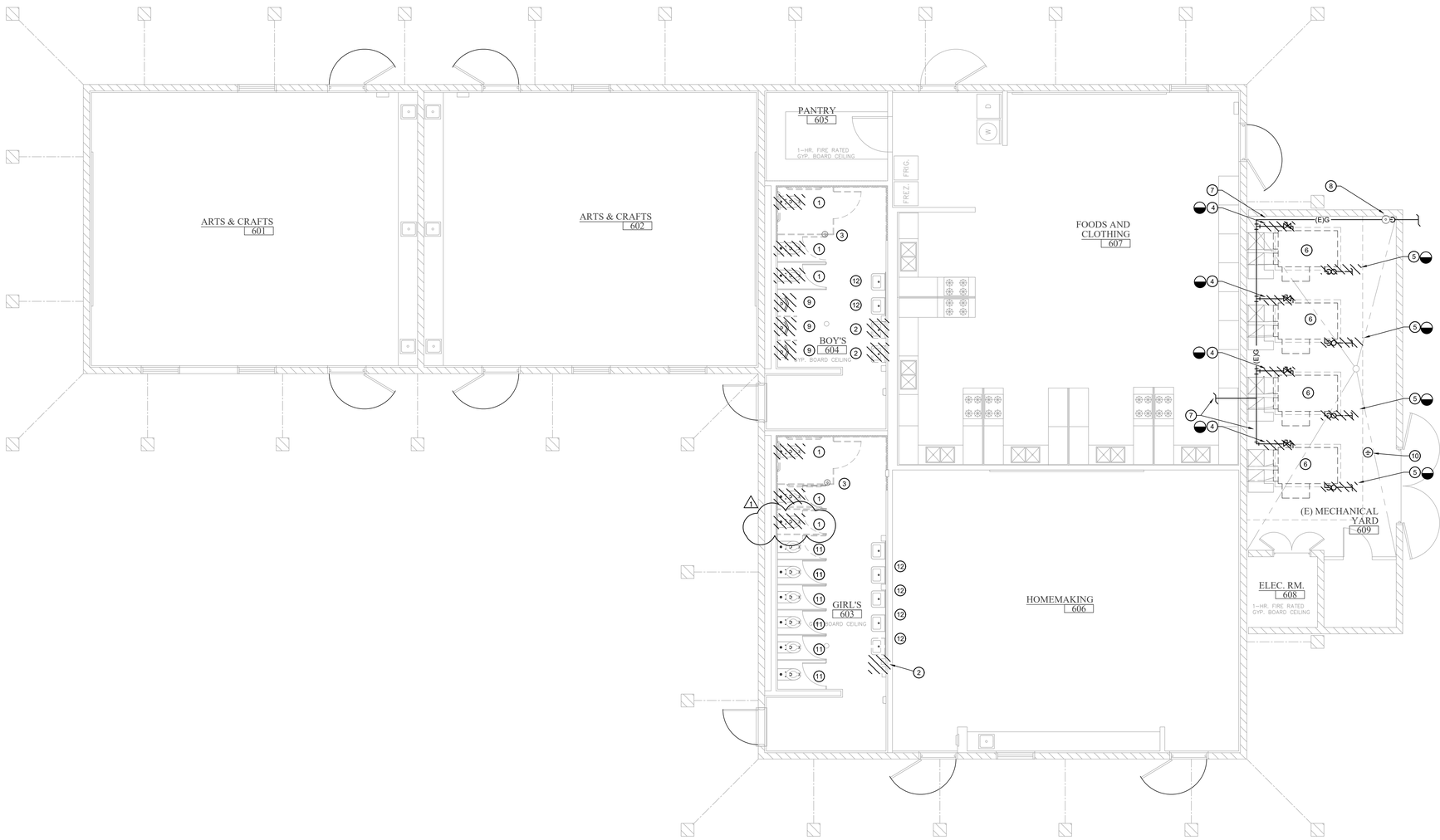

NORTH

PLUMBING BUILDING 600 - DEMO FLOOR PLAN

SCALE: 3/16"=1'-0"

1

DEMOLITION NOTES

1. (E)WATER CLOSET AND FLUSH VALVE TO BE REMOVED. CAP SEWER BEL FLOOR, VENT & WATER LINE IN WALL.
2. (E)LAVATORY, FAUCET AND RELATED FITTING TO BE REMOVED. CAP WASTE, VENT AND WATER PIPING IN WALL.
3. (E)FLOOR DRAIN TO REMAIN. CLEAN AND REFURBISH GRATE.
4. (E)EXISTING GAS CONNECTION AND RELATED VALVES TO BE REMOVED
5. (E)CONDENSATE DRAIN CONNECTION WITH VENTED P-TRAP AND RELATED PIPING TO BE REMOVED.
6. (E)AC UNIT TO BE REMOVED. SEE MECH DWGS
7. (E)3/4"G TO REMAIN
8. (E)GAS PRESSURE REGULATOR TO REMAIN
9. (E)URINAL AND FLUSH VALVE TO BE REMOVED. CAP SEWER, VENT & WATER LINE IN WALL.
10. (E) AREA DRAIN TO REMAIN
11. (E) WATER CLOSET & FLUSH VALVE TO REMAIN.
12. (E)LAVATORY AND FAUCET TO REMAIN.

PLUMBING PLAN KEYNOTES

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SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
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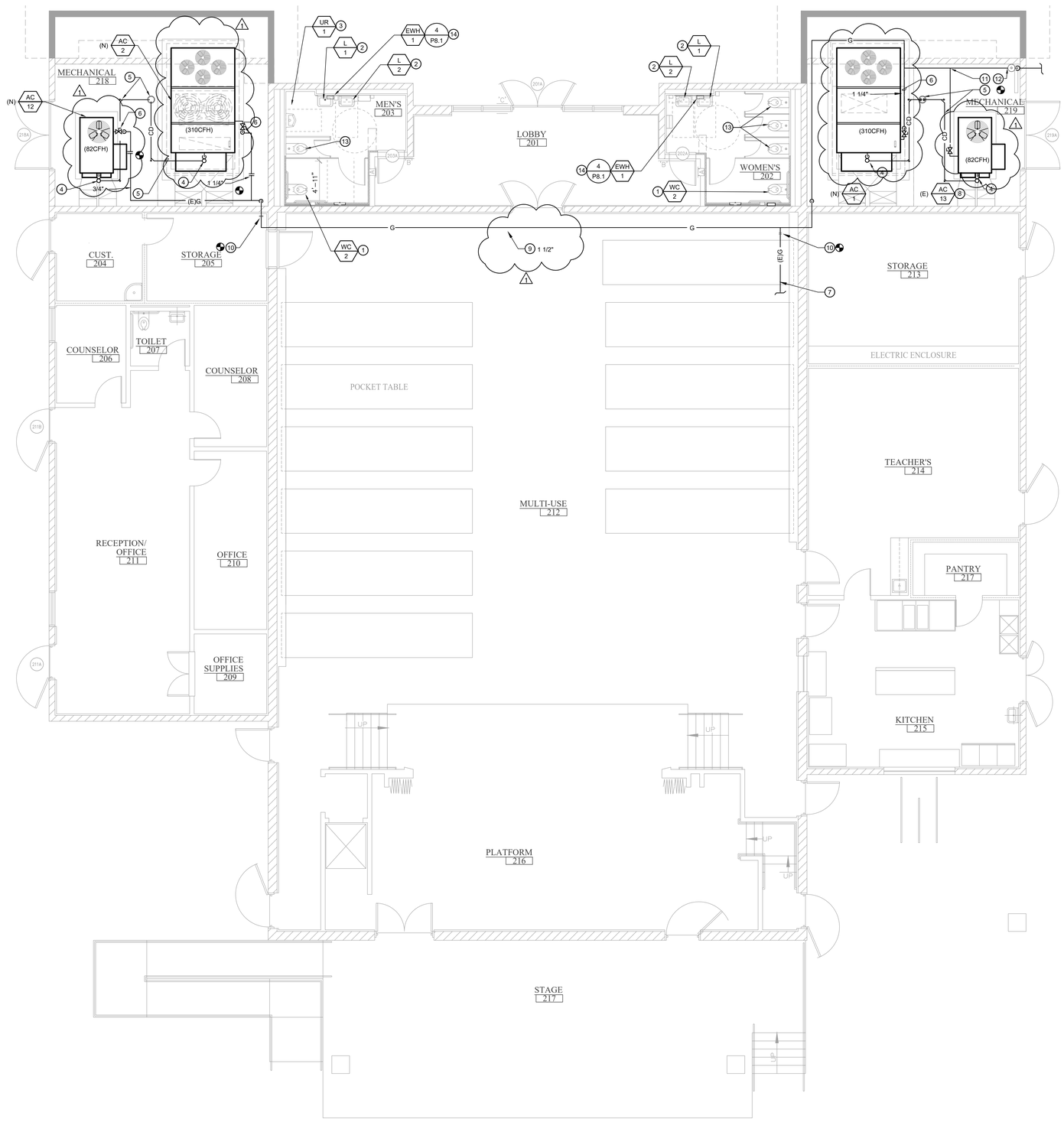

CONSTRUCTION NOTES

1. FURNISH AND INSTALL NEW WATER CLOSET AND FLUSH VALVE. R.I&C TO (E) 4"S, 2"V & 1 1/2"CW IN WALL. MODIFY (E) PLUMBING IN WALL AS REQ'D TO ACCOMMODATE NEW FIXTURE.
2. FURNISH AND INSTALL NEW LAVATORY, FAUCET AND RELATED FITTINGS. R.I&C TO (E)) 2"W, 1 1/2"V & 1/2"CW &HW IN WALL. MODIFY (E) PLUMBING IN WALL AS REQ'D TO ACCOMMODATE NEW FIXTURE.
3. FURNISH AND INSTALL NEW URINAL AND FLUSH VALVE. R.I&C TO (E) 2"S. 1 1/2"V & 1"CW IN WALL. MODIFY (E) PLUMBING IN WALL AS REQ'D TO ACCOMMODATE NEW FIXTURE.
4. PROVIDE NEW 3/4"CD WITH PLUG AND VENTED P-TRAP. SEE DETAIL 2/P8.1
5. NEW 3/4"CD AT 1% SLOPE MIN. TERMINATE OVER (E) AREA DRAIN. SEE DETAIL 2/P8.1 AND 5/P8.1
6. PROVIDE NEW GAS LINE TO NEW AC UNIT. PROVIDE GAS COCK, UNION AND APPROVED DRIP LEG. SEE DETAIL 2/P8.1
7. (E)GAS LINE ABOVE CEILING TO REMAIN
8. (E)AC UNIT TO REMAIN
9. NEW 1 1/2"G. ABV CEILING
10. CONNECT NEW 1 1/2"G TO (E) 1 1/4"G ABV CEILING
11. CONNECT NEW 1 1/2"G TO (E) 3/4"G TO AC UNIT
12. CONNECT NEW 1 1/2"G TO EXISTING GAS PRESSURE REGULATOR
13. (E)WATER CLOSET & FLUSH VALVE TO REMAIN.
14. FURNISH AND INSTALL NEW INSTANTANEOUS ELECTRIC WATER HEATER ON WALL BEL NON-ADA LAVATORY. MODIFY (E) WATER PIPING IN WALL AS NEED TO ACCOMMODATE NEW LAVATORIES.

PLUMBING BUILDING 200 NEW FLOOR PLAN

SCALE: 3/16"=1'-0"

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QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
PLUMBING BUILDING 200 - NEW FLOOR PLAN

DATE: October 12, 2026
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JOB: 501-21-0097
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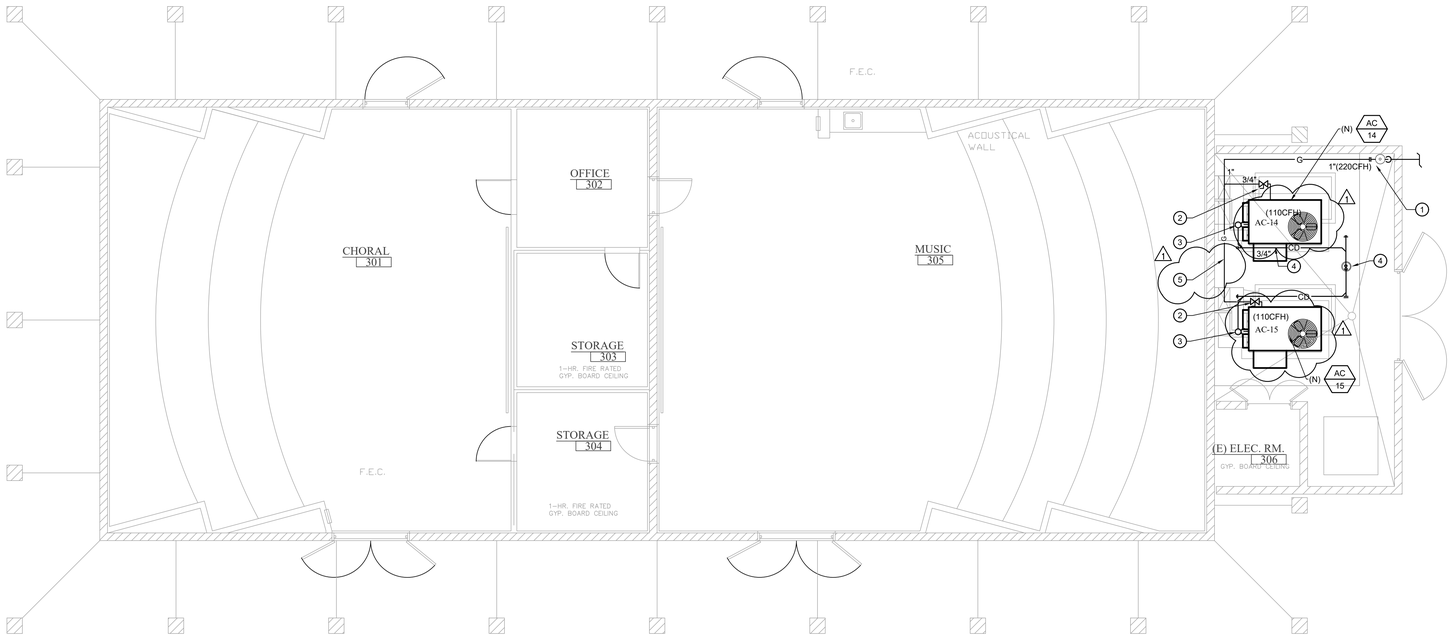

CONSTRUCTION NOTES

1. CONNECT NEW 1"G TO (E)GAS PRESSURE REGULATOR.
2. PROVIDE NEW 3/4"G CONNECTION TO NEW AC UNIT. PROVIDE GAS COCK, UNION AND APPROVED DRIP LEG. SEE DETAIL 3/P8.1
3. PROVIDE NEW 3/4"CD CONNECTION TO NEW AC UNIT. PROVIDE VENTED P-TRAP. SEE DETAIL 1/P8.1
4. NEW 3/4"CD @1% SLOPE MIN. TERMINATE OVER (E) AREA DRAIN. SEE DETAIL 5/P8.1
5. NEW GAS PIPING.

NORTH

PLUMBING BUILDING 300 - NEW FLOOR PLAN

SCALE: 3/16"=1'-0"

1

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PROJECT:
SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
PLUMBING BUILDING 300 - NEW FLOOR PLAN

DATE: October 12, 2026
DRAWN: HA
JOB: 501-21-0097
SHEET:

P3.1

ADDENDUM 1, EXHIBIT "B"

\\OED\ORG\O_DRIVE\OEDN\2021\501-21-0097 - QUAIL VALLEY MS\P\P3.1 BUILDING 300 - NEW FLOOR PLAN.DWG

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SHEET SIZE: ARCH E (30"X42")
PLOT DATE: 10/12/2026 12:41:43 PM

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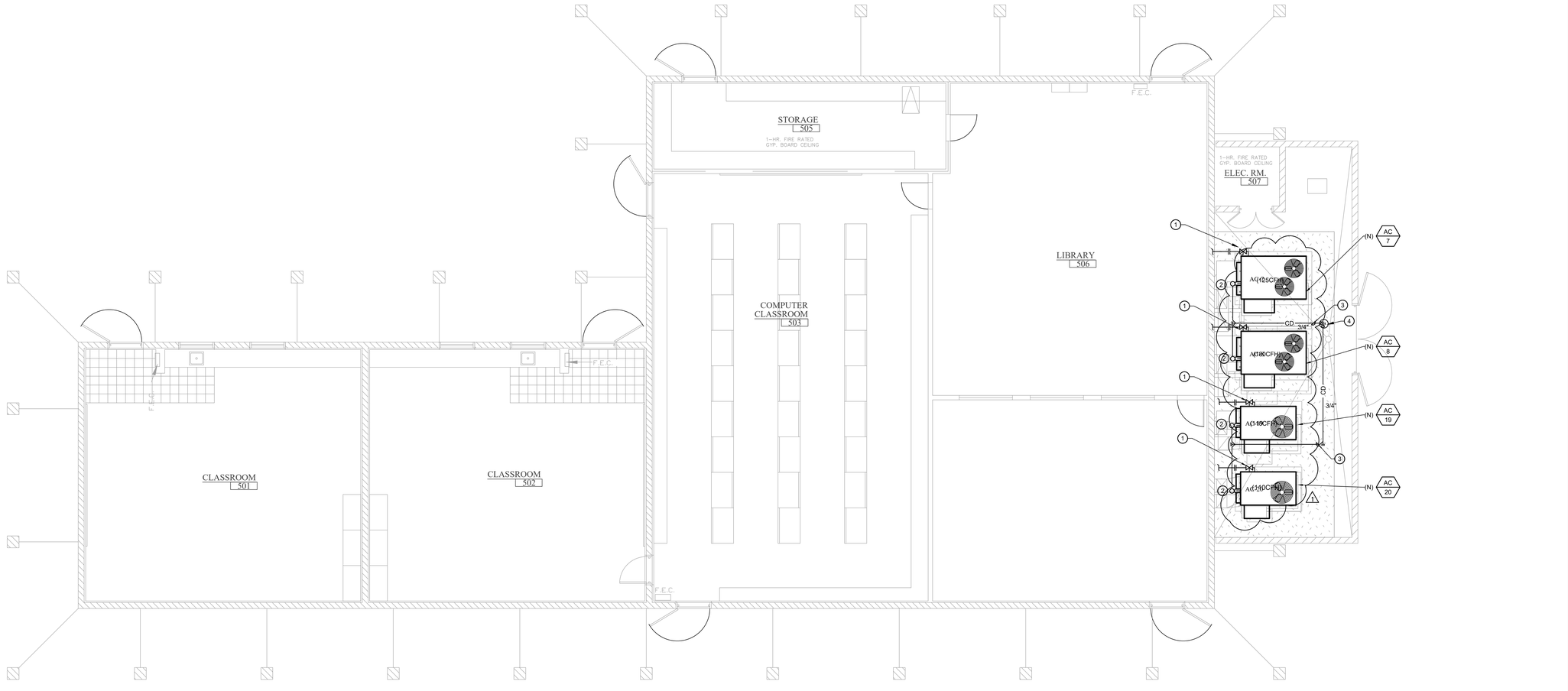

NORTH

PLUMBING BUILDING 500 - NEW FLOOR PLAN

SCALE: 3/16"=1'-0" | 1

CONSTRUCTION NOTES

1. REPLACE (E) 3/4"G CONNECTION WITH 3/4"G CONNECTION. PROVIDE NEW GAS COCK, UNION AND APPROVED DRIP LEG. SEE DETAIL 3/P8.1
2. PROVIDE NEW 3/4"CD WITH VENTED P-TRAP AND RELATED PIPING. SEE DETAIL 1/P8.1
3. NEW CONDESATE DRAIN PIPING ON SLAB AT 1% SLOPE MIN. SEE DETAIL 2/P8.1
4. NEW 1"CD TO TERMINATE OVER (E) AREA DRAIN. SEE DETAIL 5/P8.1

REVISIONS	BY
1 ADDENDUM 01	VZ

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PROJECT:
SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
PLUMBING BUILDING 500 - NEW FLOOR PLAN

DATE: October 12, 2026
DRAWN: HA
JOB: 501-21-0097
SHEET: P5.1

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SHEET SIZE: ARCH E (30"X42")
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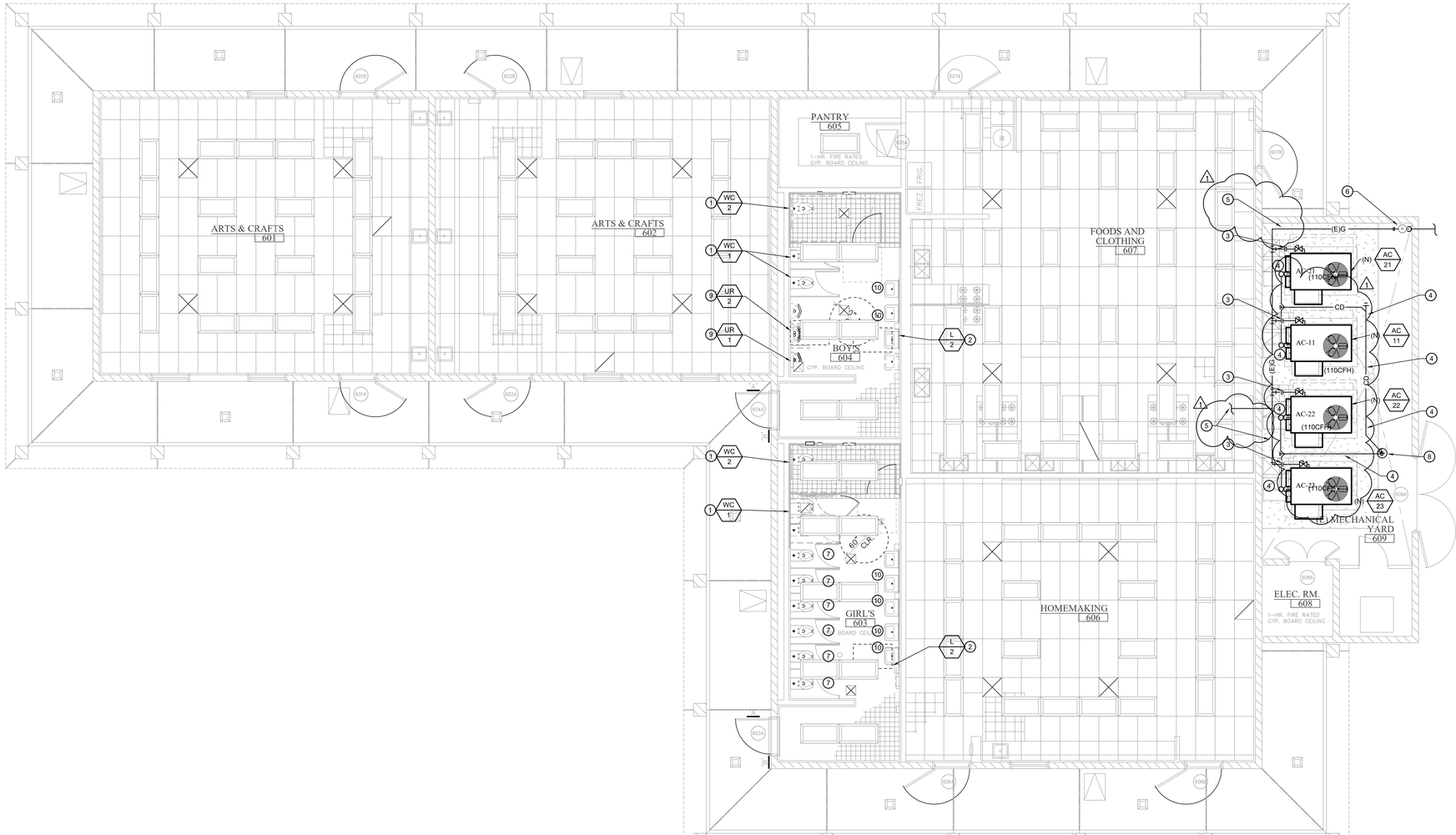

CONSTRUCTION NOTES

1. FURNISH AND INSTALL NEW WATER CLOSET AND FLUSH VALVE. R.I&C TO (E) 4"S. 2"V & 1 1/2"CW IN WALL. MODIFY (E) PLUMBING IN WALL AS REQ'D TO ACCOMMODATE NEW FIXTURE.
2. FURNISH AND INSTALL NEW LAVATORY, FAUCET AND RELATED FITTINGS. R.I&C TO (E)) 2"W. 1 1/2"V & 1/2"CW &HW IN WALL. MODIFY (E) PLUMBING IN WALL AS REQ'D TO ACCOMMODATE NEW FIXTURE
3. REPLACE (E) 3/4"G CONNECTION WITH NEW 1"G CONNECTION TO EACH AC UNIT. PROVIDE NEW GAS COCK, UNION AND APPROVED DRIP LEG. SEE DETAIL 3/P8.1
4. PROVIDE NEW 3/4"CD CONNECTION WITH VENTED P-TRAP. NEW 3/4"CD ON SLAB @1% SLOPE MIN. SEE DETAIL 1/P8.1
5. (E)1"G PIPING TO REMAIN
6. (E)GAS PRESSURE REGULATOR TO REMAIN
7. (E) WATER CLOSET AND FLUSH VALVE TO REMAIN
8. NEW 3/4"CD ON SLAB TO TERMINATE OVER (E) AREA DRAIN. SEE DETAIL 5/P8.1
9. FURNISH AND INSTALL NEW URINAL AND FLUSH VALVE R.I.C. TO (E) 2"S. 2"V. AND 1"CW IN WALL AS REQUIRED TO ACCOMMODATE NEW URINAL.
10. (E)LAVATORY AND FAUCET TO REMAIN

PLUMBING PLAN KEYNOTES

NORTH

PLUMBING BUILDING 600 - NEW FLOOR PLAN

SCALE: 3/16"=1'-0" | 1

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SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
PLUMBING BUILDING 600 - NEW FLOOR PLAN

DATE: October 12, 2026
DRAWN: HA
JOB: 501-21-0097
SHEET:

P6.1

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ADDENDUM 1, EXHIBIT "B"

P7.1

SHEET:

JOB: 501-21-0097

DRAWN: HA

DATE: October 12, 2026

PROJECT:

SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:

PLUMBING BUILDING 700 - NEW FLOOR PLAN

LICENSED ARCHITECT — STATE OF CALIFORNIA — REN. 6-2027

REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA — 6/30/27

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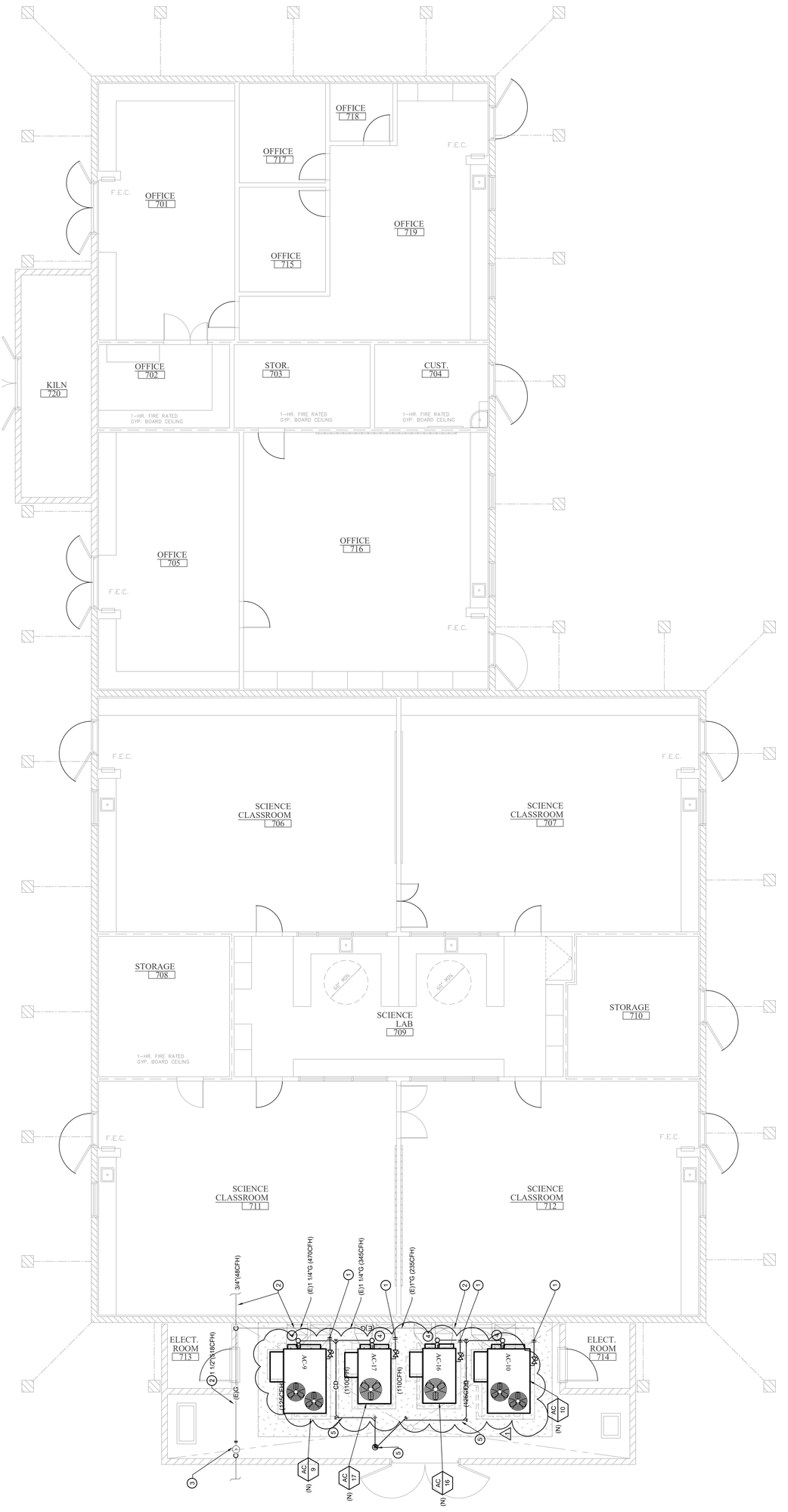
NORTH

SCALE: 3/16"=1'-0" 1



CONSTRUCTION NOTES

1. REPLACE (E) 3/4"G CONNECTION WITH GAS COCK, UNION AND APPROVED DRIP LEG. SEE DETAIL 3/P8.1
2. HOSES PIPING TO REMAIN
3. (E)NAT. PRESSURE REGULATOR TO REMAIN
4. PROVIDE NEW 3/4"CD WITH VENTED P-TRAP.
3/4"CD ON SLAB @ 1% SLOPE MIN. SEE DETAIL 1/P8.1
5. NEW 3/4"CD ON SLAB @1% SLOPE MIN. TERMINATE OVER (E) AREA DRAIN. SEE DETAIL 5/P8.1

PLUMBING BUILDING 700 - NEW FLOOR PLAN

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SHEET SIZE: ARCH E (30"X42")
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PLOT DATE: 10/12/2026 12:41:55 PM

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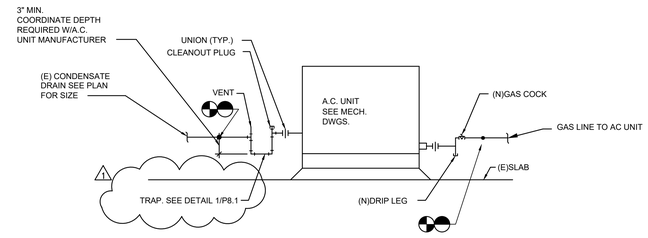
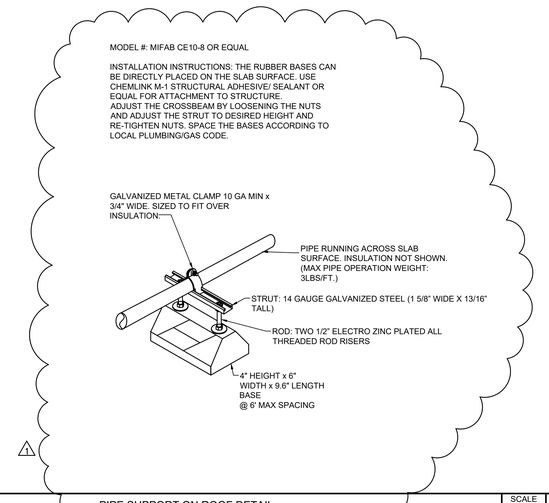


NEW GAS AND CONDENSATE DRAIN CONNECTION TO AC UNIT DETAIL — SCALE NONE — 3

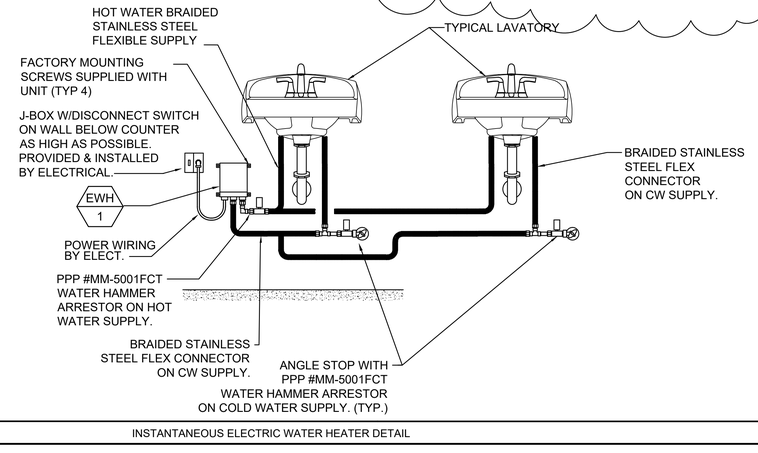
CONDENSATE DRAIN TERMINATION DETAIL — SCALE NONE — 5



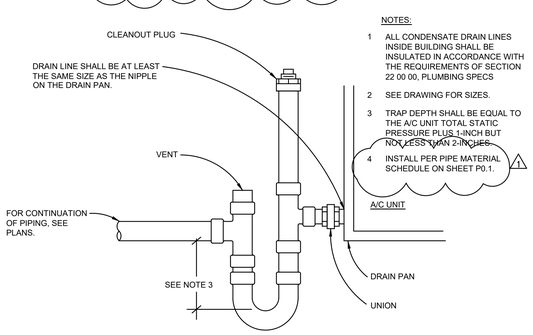
PIPE SUPPORT ON ROOF DETAIL — SCALE NONE — 2

GENERAL NOTES:

1. THE INSTANTANEOUS WATER HEATER SHALL BE PROVIDED WITH INTEGRAL 3/8" REDUCER FITTING ON INLET & OUTLET CONNECTIONS.
2. WATER HEATER AND CONNECTORS SHALL NOT ENCROACH ABOVE. KNEE CLEARANCE SPACE, NO SHARP OR ABRASIVE SURFACES UNDER LAVATORY. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORY SHALL BE ISOLATED OR COVERED TO PROTECT AGAINST CONTACT.
3. WATER HEATER TO BE INSTALLED BELOW NON-ADA LAVATORY. MODIFY EXISTING PIPE IN WALL AS REQUIRED TO ACCOMMODATE NEW LAVATORIES.



INSTANTANEOUS ELECTRIC WATER HEATER DETAIL — SCALE NONE — 4



CONDENSATE TRAP DETAIL — SCALE NONE — 1

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PROJECT:
SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: PLUMBING DETAILS

DATE: October 12, 2026
DRAWN: HA
JOB: 501-21-0097
SHEET: P8.1

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SHEET SIZE: ARCH E (30"x42")
PLOT DATE: 10/12/2026 12:21:36 PM

GENERAL NOTES

----- GENERAL NOTES -----

1. ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 CALIFORNIA MECHANICAL CODE, 2019 CALIFORNIA BUILDING CODE, AND ALL OTHER APPLICABLE CODES AND REGULATIONS, INCLUDING 2019 BUILDING ENERGY EFFICIENCY STANDARDS DIVISION T-24.

2. 2019 CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE INCLUDING THE APPLICABLE MANDATORY MEASURES:

   - 5.201.1 CALIFORNIA ENERGY CODE. FOR THE PURPOSES OF MANDATORY ENERGY EFFICIENCY STANDARDS IN THIS CODE, THE CALIFORNIA ENERGY COMMISSION WILL CONTINUE TO ADOPT MANDATORY STANDARDS.

   - 5.504.3: COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION. AT THE TIME OF ROUGH INSTALLATION AND DURING STORAGE ON THE CONSTRUCTION SITE UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM.

   - 5.504.5.3.1 FILTERS. IN MECHANICALLY VENTILATED BUILDINGS, PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR PRIOR TO OCCUPANCY THAT PROVIDES AT LEAST A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 13 MERV 13 FILTERS SHALL BE INSTALLED PRIOR TO OCCUPANCY AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL. EXCEPTIONS:
     -a. AN ASHRAE 10-PERCENT TO 15-PERCENT EFFICIENCY FILTER SHALL BE PERMITTED FOR AN HVAC UNIT MEETING THE 2019 CALIFORNIA ENERGY CODE HAVING 60,000 BTU/H OR LESS CAPACITY PER FAN COIL, IF THE ENERGY USE OF THE AIR DELIVERY SYSTEM IS 0.4 W/CFM OR LESS AT THE DESIGN AIR FLOW.
     -b. EXISTING MECHANICAL EQUIPMENT.

   - 5.506.1 OUTSIDE AIR DELIVERY. FOR MECHANICALLY OR NATURALLY VENTILATED SPACES IN BUILDINGS, MEET THE MINIMUM REQUIREMENTS OF SECTION 121 (REQUIREMENTS FOR VENTILATION) OF THE 2019 CALIFORNIA ENERGY CODE, OR THE APPLICABLE LOCAL CODE, WHICHEVER IS MORE STRINGENT, AND DIVISION 1, CHAPTER 4 OF CCR, TITLE 8.

   - 5.508.1 OZONE DEPLETION AND GREENHOUSE GAS REDUCTIONS. INSTALL HVAC AND REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT SHALL COMPLY WITH 5.508.1.1 AND 5.508.1.2.

   - 5.508.1.1 CHLOROFLUOROCARBONS (CFCS). INSTALL HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT CONTAIN CFCS.

   - 5.508.1.2 HALONS. INSTALL HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT CONTAIN HALONS.

   - ADHESIVES, SEALANTS AND CAULKS SHALL MEET CALGREEN REQUIREMENTS.

   - INSTALLER AND SPECIAL INSPECTORS SHALL MEET ALL QUALIFICATIONS LISTED IN SECTION 702 OF THE 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE.

3. COORDINATE ENTIRE INSTALLATION OF THE HVAC SYSTEM WITH THE WORK OF ALL OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ITEMS TO BE PROVIDED BY OTHER TRADES WHERE MENTIONED IN THE CONTRACT DOCUMENTS PRIOR TO BID - NO EXCEPTIONS.

4. COORDINATE THE LOCATIONS OF ALL CEILING DIFFUSERS, REGISTERS, AND GRILLES WITH THE ARCHITECTURAL REFLECTIVE CEILING PLAN, ELECTRICAL LIGHTING LAYOUT AND ARCHITECTURAL ROOM ELEVATIONS. THE ARCHITECT AND ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY CONFLICTS PRIOR TO FABRICATION AND INSTALLATION.

5. CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER OF CONSTRUCTION PHASING PRIOR TO START OF CONSTRUCTION, REMOVAL, AND/OR REPLACEMENT OF ANY EQUIPMENT. CONTRACTOR SHALL RECEIVE PERMISSION IN WRITING PRIOR TO THE START OF ANY WORK DURING ANY PHASE FOR WORK SHOWN HEREIN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT WORK AND ARRANGE HIS WORK IN A MANNER THAT WILL CAUSE MINIMAL INTERFERENCE WITH DAILY FUNCTIONS WITHIN THE FACILITY. ANY EXPECTED DOWNTIME SHALL BE COORDINATED WITH THE OWNER.

6. ALL EQUIPMENT, DUCTS, PIPING, AND OTHER DEVICES AND MATERIALS INSTALLED OUTSIDE OF THE BUILDING OR OTHERWISE EXPOSED TO THE WEATHER SHALL BE COMPLETELY WEATHER-PROOFED AND PAINTED TO MATCH, COORDINATE WITH ARCHITECT PRIOR TO PAINTING.

7. THE OWNER ACKNOWLEDGES THAT THE DESIGN PROFESSIONAL'S PLANS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE. NEVERTHELESS, THE PLANS AND SPECIFICATIONS PREPARED UNDER THIS AGREEMENT SHALL BECOME THE PROPERTY OF THE OWNER UPON COMPLETION OF THE WORK.

8. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH AND BE CONSIDERED TO BE PART OF A MECHANICAL SPECIFICATION.

9. ALL DIMENSIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND MUST BE CONFIRMED ON SITE.

10. PRIOR TO OCCUPANCY, THE ENTIRE H.V.A.C. SYSTEMS SHALL BE BALANCED IN ACCORDANCE WITH (AABC) ASSOCIATED AIR BALANCE COUNCIL STANDARDS BY AN INDEPENDENT AIR BALANCE CONTRACTOR. CERTIFICATION SHALL BE PROVIDED BY THE CONTRACTOR FOR AIR AND HYDRONIC AS APPLICABLE. SYSTEMS SHALL BE BALANCED AS INDICATED ON PLANS INCLUDING FRESH AIR VENTILATION. WHERE THERE IS A CONFLICT WITH THE MECHANICAL PLANS, THE AIR BALANCE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO BALANCING OF SYSTEM. IF NOT THE AIR BALANCE CONTRACTOR SHALL BEAR ALL COSTS INCURRED FOR WORK THAT MUST BE RE-BALANCED DUE TO CONFLICTS ON CONTRACT DOCUMENTS. CONTRACTOR SHALL PROVIDE THREE COPIES OF THE AIR BALANCE REPORT TO THE ENGINEER FOR APPROVAL. EXISTING DSA #56614 TAB AIRFLOWS FOR CFM REQUIREMENT. IS AVAILABLE TO BE REQUESTED FROM ARCHITECT. 1

11. FOR INACCESSIBLE AREAS THE CONTRACTOR SHALL PROVIDE ACCESS PANELS FOR ALL DAMPERS, EQUIPMENT, SMOKE DETECTORS, AND CONTROL DEVICES. THESE PANELS SHALL MATCH THE RATING OF THE WALL AND/OR CEILING THAT THEY ARE LOCATED IN. MINIMUM ACCESS PANEL SIZES SHALL BE AS FOLLOWS:

    1) HAND ACCESS: 12"x12"

    2) BODY ACCESS: 30"x30" MIN. WHERE A LARGER ACCESS SIZE IS REQUIRED DUE TO INSTALLATION CONSTRAINTS, THE CONTRACTOR SHALL DO SO AT NO ADDITIONAL COST AND SHALL NOTIFY THE ARCHITECT AND ENGINEER OF DEVIATIONS PRIOR TO INSTALLATION.

12. CONTRACTOR SHALL BE RESPONSIBLE FOR COMMISSIONING OF EQUIPMENT AS STIPULATED ON T-24 FORMS ON PLANS UNLESS NOTED OTHERWISE.

13. PLATFORMS, CURBS, AND FLASHINGS FOR MECHANICAL EQUIPMENT SHALL BE AS INDICATED ON THE STRUCTURAL AND ARCHITECTURAL PLANS, UNLESS NOTED OTHERWISE. WHERE THERE IS A CONFLICT WITH THE MECHANICAL PLANS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER PRIOR TO FABRICATION AND INSTALLATION.

14. ALL EQUIPMENT, ACCESSORIES, AND RELATED PIPING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.

15. MAINTENANCE LABEL SHALL BE AFFIXED TO ALL MECHANICAL EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED FOR THE OWNER'S USE.

16. PROVIDE MERV-13 EFFICIENCY THROWAWAY FILTERS FOR ALL AIR CONDITIONING UNITS. SEE EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR TYPE. SIZES SHALL BE AS RECOMMENDED BY THE MANUFACTURER, UNLESS OTHERWISE SPECIFIED.

17. AIR FILTERS SHALL BE STATE FIRE MARSHALL APPROVED AND LISTED. PREFORMED FILTERS HAVING COMBUSTIBLE FRAMING SHALL BE TESTED AS A COMPLETE ASSEMBLY. AIR FILTERS SHALL BE ACCESSIBLE FOR CLEANING OR REPLACEMENT.

18. ALL EQUIPMENT WITH MOVING PARTS SHALL BE PROVIDED WITH FLEXIBLE DUCT AND PIPE CONNECTIONS.

19. CONCEALED SPACES, CIRCULATING AIR: NO COMBUSTIBLE MATERIAL USED FOR EXPOSED COMMUNICATION CABLES, INSULATED WIRES, PLASTIC TUBING OR PIPING, PIPE INSULATION, CONDENSATE PAN INSULATION, WOOD, PVC, ABS, AND OTHER PLASTICS SHALL BE INSTALLED IN CONCEALED SPACES USED TO CONVEY CIRCULATING AIR SUPPLY.

20. ALL EQUIPMENT SHALL BE LABELED AS TO THE SPACE IT SERVES. SEE PLANS AND SPECIFICATIONS FOR IDENTIFICATION STANDARDS.

21. ALL HVAC EQUIPMENT SHALL BE CERTIFIED BY THE CALIFORNIA ENERGY COMMISSION TO COMPLY WITH LATEST EFFICIENCY STANDARDS.

22. AC UNITS PROVIDED WITH ECONOMY CYCLE DAMPERS SHALL HAVE DAMPERS SET UP TO CLOSE AUTOMATICALLY ON FAN SHUTDOWN.

23. PROVIDE MANUAL VOLUME DAMPERS AND BACKDRAFT DAMPERS FOR FRESH AIR INTAKES ON ALL AIR HANDLING EQUIPMENT AND EXHAUST FANS SERVING CONDITIONED SPACES. EXCEPTION: EQUIPMENT WITH FACTORY ECONOMIZERS.

24. ALL FRESH AIR INTAKES SHALL MEET CODE REQUIRED CLEARANCES FROM EXHAUST, FLUE, FUEL BURNING APPLIANCE AND PLUMBING VENT OUTLETS. FOR GAS/ELECTRIC AIR CONDITIONING UNITS WHERE THE CODE REQUIRED CLEARANCES ARE NOT MET, A FACTORY FLUE GAS DEFLECTOR AND EXTENSION SHALL BE USED TO MINIMIZE THESE CLEARANCES. CONTRACTOR SHALL DETERMINE LOCATIONS WHERE REQUIRED PRIOR TO BID. THIS SHALL BE PROVIDED AT NO ADDITIONAL COST.

25. ALL AIR HANDLING EQUIPMENT SERVING CONDITIONED SPACES SHALL PROVIDE CONTINUOUS FRESH AIR TO SPACES IN OCCUPIED MODE.

26. CONTRACTOR SHALL VERIFY ALL CLEARANCES AND AVAILABLE SPACE FOR DUCTWORK PRIOR TO ORDERING AND/OR FABRICATING MATERIAL.

27. CONTRACTOR TO SUBMIT ALL EQUIPMENT, DUCTWORK, AIR DISTRIBUTION DEVICES, AND OTHER ACCESSORIES TO THE ENGINEER FOR APPROVAL PRIOR TO ANY ORDERING OF SUCH ITEMS.

28. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS WITHIN 45 DAYS OF AWARD OF CONTRACT. SEE SPECIFICATIONS FOR REQUIREMENTS. IF SHOP DRAWINGS ARE NOT PROVIDED TO THE ENGINEER FOR APPROVAL, AND ANY CONFLICTS OCCUR BETWEEN TRADES, DURING CONSTRUCTION, & ETC. THEN THE CONTRACTOR SHALL BE RESPONSIBLE AND BEAR ALL COST INCURRED FOR ANY REVISIONS AT NO ADDITIONAL COST TO THE OWNER. THE DISTRICT AND ENGINEER SHALL BE NOTIFIED IMMEDIATELY PRIOR TO FABRICATION AND INSTALLATION OF ANY CONFLICTS BETWEEN TRADES, DURING CONSTRUCTION, & ETC.

29. PAINT EXPOSED SURFACES, WHETHER OR NOT COLORS ARE DESIGNATED IN SCHEDULES, EXCEPT WHERE A SURFACE OR MATERIAL IS SPECIFICALLY INDICATED NOT TO BE PAINTED OR IS TO REMAIN NATURAL. WHERE AN ITEM OR SURFACE IS NOT SPECIFICALLY MENTIONED, PAINT THE SAME AS SIMILAR ADJACENT MATERIALS OR SURFACES. IF COLOR OR FINISH IS NOT DESIGNATED, THE OWNER'S REPRESENTATIVE WILL SELECT FROM STANDARD COLORS OR FINISHES AVAILABLE.

    1) PAINTING INCLUDES FIELD PAINTING EXPOSED BARE AND COVERED PIPES AND DUCTS (INCLUDING COLOR CODING), DUCTS INSIDE AT THE CONNECTION TO AIR DISTRIBUTION, HANGERS, EXPOSED STEEL AND IRON WORK, AND PRIMED METAL SURFACES OF MECHANICAL AND ELECTRICAL EQUIPMENT.

30. CONTRACTOR SHALL INCLUDE ALL COMMISSIONING REQUIREMENTS INDICATED IN THE COMMISSIONING PLAN AND REPORT INCLUDING SUFFICIENT TIME ALLOCATED FOR THE NECESSARY PREPARATION OF REPORTS, TESTING TRAINING REQUIRED.

----- CONTROLS -----

1. CONTROL SCHEMATICS ARE FOR SEQUENCE ONLY. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ALL ELECTRICAL DEVICES REQUIRED.

2. ALL LINE VOLTAGE WIRING SHALL BE INSTALLED IN CONDUIT. ALL LINE VOLTAGE CONDUIT AND WIRING, INCLUDING FINAL CONNECTIONS, SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AS INDICATED ON THE ELECTRICAL DRAWINGS OR SPECIFIED IN THE ELECTRICAL SECTION OF THE SPECIFICATIONS. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS OF ALL GOVERNING BODIES HAVING JURISDICTION THEREOF.

3. ALL LOW VOLTAGE CONDUIT AND WIRING AS APPLICABLE, INCLUDING FINAL CONNECTIONS, SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR AS INDICATED ON THE MECHANICAL DRAWINGS OR SPECIFIED IN THE MECHANICAL SECTION OF THE SPECIFICATIONS.

    A1) ALL LOW VOLTAGE WIRING SHALL BE INSTALLED IN CONDUIT.

    A2) ALL LOW VOLTAGE WIRING SHALL BE PLENUM - RATED.

    B) WHERE THE CONTROLS CONTRACTOR IS RETAINED BY THE OWNER, THEY SHALL BE RESPONSIBLE FOR THE FOLLOWING:

    1) FURNISH AND INSTALL ALL DEVICES, WIRING, AND TERMINATIONS REQUIRED FOR A COMPLETE AND FUNCTIONAL INSTALLATION.

    2) COORDINATE ALL WORK AND REQUIREMENTS WITH OTHER TRADES INCLUDING GENERAL, MECHANICAL, AND ELECTRICAL CONTRACTORS PRIOR TO BID.

    3) CONTRACTOR SHALL FOLLOW ALL SUBMITTAL REQUIREMENTS PER DRAWINGS AND SPECIFICATIONS.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR ORDERING AIR CONDITIONING EQUIPMENT WITH THRU-THE-BASE POWER, CONTROL, AND GAS CONNECTIONS. VERIFY ALL CONNECTION LOCATIONS WITH UNIT MANUFACTURER AND COORDINATE WITH OTHER TRADES AS NECESSARY.

5. ELECTRICAL CONTRACTOR SHALL PROVIDE REQUIRED RELAY ACCESSORIES FOR CONNECTION OF 120 VOLT 1 PHASE VENTILATION EQUIPMENT TO 277 VOLT 1 PHASE LIGHTING AS APPLICABLE.

6. WHERE HVAC CONTROL WIRING IS REQUIRED BETWEEN BUILDINGS. PROVIDE UNDERGROUND CONDUIT WITH PULL STRING(S) FURNISHED AND INSTALLED BY ELECTRICAL FOR THE ENERGY MANAGEMENT SYSTEM WIRING TERMINATIONS ONLY. CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT AND WIRING TERMINATIONS FOR BETWEEN BUILDINGS.

7. ALL THERMOSTATS SHALL HAVE LOCKABLE COVERS (WHERE INDICATED ON PLANS) AND SHALL BE OF THE ELECTRONIC, PROGRAMMABLE, AUTOMATIC CHANGEOVER TYPE TO SEQUENCE HEATING OR COOLING. SET POINT RANGE SHALL BE 10 DEGREES F. BETWEEN FULL HEATING AND COOLING. THEY SHALL HAVE CAPABILITY OF TERMINATING ALL HEATING AT A TEMPERATURE NO MORE THAN 70 DEGREES F., AND COOLING AT A TEMPERATURE NOT LESS THAN 78 DEGREES F. ADJUSTABLE TEMPERATURE DIFFERENTIAL SHALL BE 1- 1/2 DEGREES F. CONTROL LIMITS SHALL BE FROM 55 DEGREES F. TO 85 DEGREES F. MOUNT AT 48 INCHES ABOVE FLOOR OR AS REQUIRED BY LOCAL AUTHORITIES OR HANDICAP CODES.

    NOTES: 1) THERMOSTATS THAT ARE PART OF AN ENERGY MANAGEMENT SYSTEM SHALL FOLLOW CONTROL SPECIFICATIONS AND DRAWING REQUIREMENTS.

    2) SHOULD THE LOCATION OF THE THERMOSTAT NOT MEET THE ADA HEIGHT REQUIREMENTS DUE TO OBSTRUCTIONS, THEN AN ALTERNATE LOCATION SHALL BE PROPOSED OR REQUESTED BY THE CONTRACTOR THAT SHALL BE APPROVED BY THE ENGINEER AND ARCHITECT.

8. LINE VOLTAGE THERMOSTATS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

9. CONTROLS CONTRACTOR AND AIR BALANCE CONTRACTOR SHALL COORDINATE WORK AND PERFORM NECESSARY TASKS AS REQUIRED TO OBTAIN AIR AND WATER FLOW QUANTITIES FOR SYSTEMS SHOWN HEREIN.

10. CONTROLS SHALL BE PROVIDED TO PROVIDE THE MINIMUM RATE OF OUTDOOR AIR REQUIRED BY THE STATE ENERGY REGULATIONS.

11. PROVIDE ALL EMS CONTROLS PER M-9.1 AND M-9.2. 1

----- AIR DISTRIBUTION -----

1. ALL DUCTWORK SHALL BE SHEET METAL CONSTRUCTED OR SPIRAL, ERECTED, AND TESTED IN ACCORDANCE WITH THE MOST RESTRICTIVE OF LOCAL REGULATIONS, PROCEDURES DETAILED IN THE ASHRAE HANDBOOK OF FUNDAMENTALS, CHAPTER 6 OF THE MECHANICAL CODE, OR THE APPLICABLE STANDARDS ADOPTED BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION.

2. ALL FLEXIBLE DUCTWORK SHALL NOT EXCEED FIVE FEET IN LENGTH TO RESPECTIVE DIFFUSERS, GRILLES, AND REGISTERS, OR OTHER AIR DEVICES.

3. PROVIDE SEISMIC RESTRAINTS TO ALL DUCTWORK, PIPE, AND EQUIPMENT SUPPORTS, WHEN REQUIRED, PER THE SEISMIC NOTES BELOW.

4. ALL DUCT TURNS IN SUPPLY, RETURN, AND EXHAUST DUCTS SHALL HAVE TURNING VANES UNLESS OTHERWISE NOTED.

5. DUCTWORK HANDLING CONDITIONED AIR SHALL BE INSULATED OR LINED AS INDICATED ON DRAWINGS. SUPPLY AND RETURN DUCT INSULATION SHALL BE MIN. 1.5" PCF (MIN) FOR INTERNAL DUCT LINING, 3/4 LB./CUBIC FT. DENSITY AND HAVE A MIN. VALUE OF R-8 WHERE LOCATED IN ONE OR MORE OF THE FOLLOWING SPACES:

    A) OUTDOORS, OR

    B) IN A SPACE BETWEEN THE ROOF AND AN INSULATED CEILING, OR

    C) IN A SPACE DIRECTLY UNDER A ROOF WITH FIXED VENTS OR OPENINGS TO THE OUTSIDE OR UNCONDITIONED SPACES, OR

    D) IN AN UNCONDITIONED CRAWLSPACE; OR

    E) IN OTHER UNCONDITIONED SPACES

    PER 2019 CEC, OTHERWISE PROVIDE R-4.2 WHEN LOCATED IN CONDITIONED ATTIC SPACES ABOVE CEILINGS . ALL DUCTWORK EXPOSED ON ROOF SHALL BE INTERNALLY LINED WITH 1.5" THICK, 1.5LB./CUBIC FT. DENSITY DUCT LINER UNLESS OTHERWISE INDICATED OR SPECIFIED. ALL DUCT SIZES ARE NET CLEAR INSIDE DIMENSIONS. ALL DUCT JOINTS SHALL BE SEALED PER CHAPTER 6 MECHANICAL CODE REQUIREMENTS. PROVIDE PIPING AND DUCT INSULATION IN ACCORDANCE WITH THE LATEST STANDARDS OF THE CALIFORNIA ENERGY COMMISSION.

6. ALL INSULATION SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE DENSITY NOT EXCEEDING 50.

7. MANUAL VOLUME DAMPERS SHALL BE PROVIDED IN ALL DUCT BRANCHES TO INDIVIDUAL DIFFUSERS, GRILLES, AND REGISTERS, AS WELL AS FRESH AIR INTAKE DUCTS. DAMPERS SHALL BE LOCATED AT THE BRANCH DUCT LOCATIONS. THE MECHANICAL CONTRACTOR SHALL COORDINATE LOCATIONS OF DAMPERS WITH THE AIR BALANCE CONTRACTOR PRIOR TO BID, SO THEY ARE ACCESSIBLE PRIOR TO INSTALLATION. IN LOCATIONS WHERE THESE DAMPERS ARE INACCESSIBLE, CABLE OPERATED ADJUSTMENT CONTROLS SHALL BE PROVIDED AT NO ADDITIONAL COST. OPPOSED BLADE DAMPERS SHALL NOT BE PERMITTED UNLESS NOTED OTHERWISE.

8. ALL DUCT DIMENSIONS ON PLANS ARE NET CLEAR DIMENSIONS UNLESS OTHERWISE NOTED.

LEGEND

SYMBOL	ABBR.	DESCRIPTION
	-	SUPPLY AIR RISER
	-	RETURN AIR RISER
	-	EXHAUST AIR RISER
	SAG	SUPPLY AIR GRILLE
	RAG	RETURN AIR GRILLE
	EAG	EXHAUST AIR GRILLE
	SWR	SIDEWALL REGISTER
	(L)	LINED DUCTWORK
	-	FLEXIBLE CONNECTION
	FC	FLEXIBLE CONNECTION
	-	NEW DUCT (SEE PLAN)
	-	EXISTING DUCT (SEE PLAN)
	-	DEMO DUCT (SEE PLAN)
	MVD	MANUAL VOLUME DAMPER
	BDD	BACKDRAFT DAMPER
SFD	SFD	SMOKE / FIRE DAMPER
FD	FD	FIRE DAMPER
	DL	DOOR LOUVER
U.C.	UC	UNDERCUT DOOR 3/4"
RS	RS	REFRIGERANT SUCTION LINE
RL	RL	REFRIGERANT LIQUID LINE
CD	CD	CONDENSATE DRAIN
	S.D.	SMOKE DETECTOR
	P.O.C./ P.O.R.	POINT OF CONNECTION/ POINT OF REMOVAL
T	T-STAT	THERMOSTAT
H	H	HUMIDISTAT
TS	TS	TEMPERATURE SENSOR
OS	OS	OVERRIDE SWITCH
PD	PD	PRESSURE DIFFERENTIAL SWITCH
S	S	SWITCH
	O.C.	ON CENTER
	HWR	HOT-WATER RETURN
	HWS	HOT-WATER SUPPLY
	I.D.	INSIDE DIAMETER
	O.D.	OUTSIDE DIAMETER
	W/	WITH
	S/M	SHEET METAL
	S/S	STAINLESS STEEL
	G.C.	GENERAL CONTRACTOR
	VTR	VENT THRU ROOF
	EMS	ENERGY MANAGEMENT SYSTEM
	OBD	OPPOSED BLADE DAMPER
	FSC	FAN SPEED CONTROL
E	E	ITEMS FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR AS SPECIFIED ON THE ELECTRICAL CONTRACT DOCUMENTS
M	M	ITEMS FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR AS SPECIFIED ON THE MECHANICAL CONTRACT DOCUMENTS
EM	EM	ITEMS FURNISHED BY ELECTRICAL CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOR.
ME	ME	ITEMS FURNISHED BY MECHANICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.
	C.C.	CONTROLS CONTRACTOR
	CBD	COUNTER-BALANCE DAMPER
DS	D.S.	DOOR SWITCH

SHEET INDEX

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4	MD3.1	MECHANICAL BUILDING 300 FLOOR PLAN - DEMO
5	MD5.1	MECHANICAL BUILDING 500 FLOOR PLAN - DEMO
6	MD6.1	MECHANICAL BUILDING 600 FLOOR PLAN - DEMO
7	MD7.1	MECHANICAL BUILDING 700 FLOOR PLAN - DEMO
8	M2.1	MECHANICAL BUILDING 200 FLOOR PLAN - NEW
9	M3.1	MECHANICAL BUILDING 300 FLOOR PLAN - NEW
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22	M10.4	MECHANICAL TITLE 24 REPORTS - BUILDING 500
23	M10.5	MECHANICAL TITLE 24 REPORTS - BUILDING 600

APPLICABLE CODES

2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1 TITLE 24 C.C.R.
2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2014 NEC)
2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
2019 CALIFORNIA ENERGY CODE , PART 6, TITLE 24 C.C.R.
2019 CALIFORNIA FIRE CODE , PART 9, TITLE 24 C.C.R.
2019 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.

TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
AMERICAN WITH DISABILITY ACT.

PARTIAL LIST OF APPLICABLE STANDARDS.

NFPA 13	AUTOMATIC SPRINKLER SYSTEM. 2016 EDITION.
NFPA 24	PRIVATE FIRE MAINS (INCLUDED IN 2016 NFPA 13) 2016 EDITION.
NFPA 72	NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) 2016 EDITION. (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")

REFERENCE CODE SECTION FOR NFPA STANDARDS - 2019 CBC (SFM) CHPT. 35

SEISMIC NOTES

MEP Component Anchorage Note

All mechanical, plumbing, and electrical components shall be anchored and installed per the details on the DSA-approved construction documents. The following components shall be anchored or braced to meet the force and displacement requirements prescribed in the 2019 CBC Sections 1617A.1.18 through 1617A.1.26 and ASCE 7-16 Chapters 13, 26, and 30:

1. All permanent equipment and components.
2. Temporary, movable or mobile equipment that is permanently attached (e.g. hard wired) to the building utility services such as electricity, gas or water. "Permanently attached" shall include all electrical connections except plugs for 110/220 volt receptacles having a flexible cable.
3. Temporary, movable or mobile equipment which is heavier than 400 pounds or has a center of mass located 4 feet or more above the adjacent floor or roof level that directly support the component is required to be restrained in a manner approved by DSA.

The following mechanical and electrical components shall be positively attached to the structure but need not demonstrate design compliance with the references noted above. These components shall have flexible connections provided between the component and associated ductwork, piping, and conduit. Flexible connections must allow movement in both transverse and longitudinal directions:

A. Components weighing less than 400 pounds and having a center of mass located 4 feet or less above the adjacent floor or roof level that directly support the component.
B. Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof or floor or hung from a wall.

The anchorage of all mechanical, electrical and plumbing components shall be subject to the approval of the design professional in general responsible charge or structural engineer delegated responsibility and acceptance by DSA. The project inspector will verify that all components and equipment have been anchored in accordance with the above requirements.

Piping, Ductwork, and Electrical Distribution System Bracing Note

Piping, ductwork, and electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE 7-16 Section 13.3 as defined in ASCE 7-16 Sections 13.6.5, 13.6.6, 13.6.7, 13.6.8; and 2019 CBC, Sections 1617A.1.24, 1617A.1.25 and 1617A.1.26.

The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. When bracing and attachments are based on a preapproved installation guide (e.g., OSHPD OPM for 2013 CBC or later), copies of the bracing system installation guide or manual shall be available on the jobsite prior to the start of and during the hanging and bracing of the distribution systems. The Structural Engineer of Record shall verify the adequacy of the structure to support the hanger and brace loads.

Mechanical Piping (MP), Mechanical Ducts (MD), Plumbing Piping (PP), Electrical Distribution Systems (E):

MP☒ MD☒ PP☐ E☐ Option 1: Detailed on the approved drawings with project specific notes and details.

MP☐ MD☐ PP☐ E☐ Option 2: Shall comply with the applicable OSHPD Pre-Approval (OPM #)

REVISIONS	BY
1 ADDENDUM 01	VZ

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ENGINEER
REGISTERED PROFESSIONAL ENGINEER — BRET BANKERT — No. M29253 Exp. 6/30/27 — MECHANICAL — STATE OF CALIFORNIA

ARCHITECT
LICENSED ARCHITECT — GUTHRIE T. JETÉ — No. C-27546 REN. 6-2027 — STATE OF CALIFORNIA

PROJECT:
SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
MECHANICAL GENERAL NOTES AND LEGEND

DATE: October 12, 2026
DRAWN: VZ
JOB: 501-21-0097
SHEET:
M0.1

ADDENDUM 1, EXHIBIT "B"

THESE DRAWINGS ARE NOT TO BE USED IN WHOLE OR IN PART, FOR ANY PROJECT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF FRICK, FRICK & JETÉ ARCHITECTS, INC. AND ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT OR ADDITION TO THIS PROJECT OR FOR COMPLETION OF

SHEET SIZE: ARCH E (36"x42")
PLOT DATE: 10/12/2026 12:21:42 PM

PACKAGED GAS/ELECTRIC AIR CONDITIONER SCHEDULE

TAG	MFR & MODEL #	AREA SERVED	COOLING CAPACITY		EER/SEER	TONNAGE	HEATING CAPACITY				SUPPLY FAN			ELECTRICAL						OPERATING WEIGHT (LBS)				CONTROL DETAIL	ANCHORAGE DETAIL	REMARKS
			TOTAL(MBTU)	SENS(MBTU)			INPUT(MBTU)-STAGE 1/2	OUTPUT(MBTU)-STAGE 1/2	SA (CFM)	(E)OSA(CFM)	ESP	RPM	BHP	V	PH	HZ	FLA	MCA	MOCP	UNIT	CANFAB ECONOMIZER	CURB	TOTAL			
AC 1	CARRIER 48FEEM20A3M6-0A0A0	BUILDING 200 SEE PLANS	227.67	168.98	10.80/-	17.5	248.0/310.0	200.0/251.0	7,200	720	1.18	1,820	4.47	460	3	60	35.4	42	50	1,839	310	850	2,999	2 M8.1	4 M-8.1	1, 2, 3, 4, 5, 6, 7, 8, 9.
AC 2	CARRIER 48FEEM20A3M6-0A0A0	BUILDING 200 SEE PLANS	227.67	168.98	10.80/-	17.5	248.0/310.0	200.0/251.0	7,200	720	1.18	1,820	4.47	460	3	60	35.4	42	50	1,839	310	850	2,999	2 M8.1	4 M-8.1	1, 2, 3, 4, 5, 6, 7, 8, 9.
AC 12	CARRIER 48GEEM06A2M6-0A0A0	BUILDING 200 SEE PLANS	62.15	46.71	-/17.2	5	82.0/110.0	65.0/88.0	2,000	200	1.20	2,232	1.19	460	3	60	10.45	12	15	617	135	175	927	1 M8.1	3 M-8.1	1, 2, 3, 4, 7, 8, 9.
AC 13	CARRIER (E) REMAIN-48FCLA06	BUILDING 200 SEE PLANS	N/A	N/A	N/A	5	N/A	N/A	2,000	200	N/A	N/A	N/A	460	3	60	13	14	20	N/A	N/A	N/A	N/A	1 M8.1	NONE	EXISTING UNIT IS MADE IN 2021. TO REMAIN.
AC 14	CARRIER 48GEEM06A2M6-0A0A0	BUILDING 300 SEE PLANS	62.15	46.71	-/17.2	5	82.0/110.0	65.0/88.0	2,000	200	1.20	2,232	1.19	460	3	60	10.45	12	15	617	135	175	927	1 M8.1	3 M8.1	1, 2, 3, 4, 7, 8, 9.
AC 15	CARRIER 48GEEM06A2M6-0A0A0	BUILDING 300 SEE PLANS	62.15	46.71	-/17.2	5	82.0/110.0	65.0/88.0	2,000	200	1.20	2,232	1.19	460	3	60	10.45	12	15	617	135	175	927	1 M8.1	3 M8.1	1, 2, 3, 4, 7, 8, 9.
AC 7	CARRIER 48FEDM08A2M6-0A0A0	BUILDING 500 SEE PLANS	93.40	71.12	11.2/-	7.5	125.0/NA	103.0/NA	3,000	300	1.20	1,682	1.77	460	3	60	17.65	19	25	804	150	200	1,154	2 M8.1	3 M8.1	1, 2, 3, 4, 5, 7, 8, 9.
AC 8	CARRIER 48FEDM12A2M6-0A0A0	BUILDING 500 SEE PLANS	123.91	92.50	11.00/-	10	120.0/180.0	98.0/148.0	4,000	400	1.20	1,885	2.36	460	3	60	21.45	24	30	895	150	200	1,245	2 M8.1	3 M8.1	1, 2, 3, 4, 5, 7, 8, 9.
AC 19	CARRIER 48GEEM05A2M6-0A0A0	BUILDING 500 SEE PLANS	51.94	38.47	17.2/-	4	82.0/110.0	65.0/88.0	1,600	160	1.20	2,139	1.06	460	3	60	11.45	14	20	568	135	175	878	1 M8.1	3 M8.1	1, 2, 3, 4, 7, 8, 9.
AC 20	CARRIER 48GEEM05A2M6-0A0A0	BUILDING 500 SEE PLANS	51.94	38.47	17.2/-	4	82.0/110.0	65.0/88.0	1,600	160	1.20	2,139	1.06	460	3	60	11.45	14	20	568	135	175	878	1 M8.1	3 M8.1	1, 2, 3, 4, 7, 8, 9.
AC 11	CARRIER 48FEEM07A2M6-0A0A0	BUILDING 600 SEE PLANS	76.42	57.12	11.2/-	6	110.0/-	88.0/-	2,400	240	1.20	2,428	1.53	460	3	60	13.25	16	25	624	135	175	934	2 M8.1	3 M8.1	1, 2, 3, 4, 5, 7, 8, 9.
AC 21	CARRIER 48GEEM05A2M6-0A0A0	BUILDING 600 SEE PLANS	51.94	38.47	17.2/-	4	82.0/110.0	65.0/88.0	1,600	160	1.20	2,139	1.06	460	3	60	11.45	14	20	568	135	175	878	1 M8.1	3 M8.1	1, 2, 3, 4, 7, 8, 9.
AC 22	CARRIER 48GEEM05A2M6-0A0A0	BUILDING 600 SEE PLANS	51.94	38.47	17.2/-	4	82.0/110.0	65.0/88.0	1,600	160	1.20	2,139	1.06	460	3	60	11.45	14	20	568	135	175	878	1 M8.1	3 M8.1	1, 2, 3, 4, 7, 8, 9.
AC 23	CARRIER 48GEEM05A2M6-0A0A0	BUILDING 600 SEE PLANS	51.94	38.47	17.2/-	4	82.0/110.0	65.0/88.0	1,600	160	1.20	2,139	1.06	460	3	60	11.45	14	20	568	135	175	878	1 M8.1	3 M8.1	1, 2, 3, 4, 7, 8, 9.
AC 9	CARRIER 48FEDM08A2M6-0A0A0	BUILDING 700 SEE PLANS	93.40	71.12	11.2/-	7.5	125.0/NA	103.0/NA	3,000	300	1.20	1,682	1.77	460	3	60	17.65	19	25	804	150	200	1,154	2 M8.1	3 M8.1	1, 2, 3, 4, 5, 7, 8, 9.
AC 10	CARRIER 48FEDM08A2M6-0A0A0	BUILDING 700 SEE PLANS	93.40	71.12	11.2/-	7.5	125.0/NA	103.0/NA	3,000	300	1.20	1,682	1.77	460	3	60	17.65	19	25	804	150	200	1,154	2 M8.1	3 M8.1	1, 2, 3, 4, 5, 7, 8, 9.
AC 16	CARRIER 48GEEM06A2M6-0A0A0	BUILDING 700 SEE PLANS	62.15	46.71	-/17.2	5	82.0/110.0	65.0/88.0	2,000	200	1.20	2,232	1.19	460	3	60	10.45	12	15	617	135	175	927	1 M8.1	3 M8.1	1, 2, 3, 4, 7, 8, 9.
AC 17	CARRIER 48GEEM06A2M6-0A0A0	BUILDING 700 SEE PLANS	62.15	46.71	-/17.2	5	82.0/110.0	65.0/88.0	2,000	200	1.20	2,232	1.19	460	3	60	10.45	12	15	617	135	175	927	1 M8.1	3 M8.1	1, 2, 3, 4, 7, 8, 9.

1. PROVIDE NEW M.W. SAUSSE ISOLATORS FOR ALL UNITS EXCEPT AC/1 AND AC/2 THAT WILL HAVE CURBS. (6 ISOLATORS PER EACH UNIT.)
2. PROVIDE CANFAB BAROMETIC LOW LEAKAGE ECONOMIZER WITH BAROMETRIC RELIEF.
3. PROVIDE UNITS WITH HORIZONTAL SUPPLY/HORIZONTAL RETURN CONFIGURATION.
4. PROVIDE BELIMO ACTUATOR FOR CANFAB ECONOMIZER (NO SUBSTITUTION.) FOR CARRIER AC UNIT.
5. PROVIDE NEW SMOKE DETECTOR TO COMPATIBLE WITH FIRE ALARM SYSTEM.
6. M.W. SAUSSE DUCT THRU CURB. SEE DETAIL # 4/M8.1.
7. PROVIDE FLUE DEFLECTOR.
8. PROVIDE HAIL GUARD.
9. PROVIDE CARRIER EMS THERMOSTAT AND CO2 SENSOR.

NOTE:
- INSTALL UNITS AND PROVIDE ALL ACCESSORIES AS PER MANUFACTURER GUIDELINES.
- EXISTING ISOLATORS WILL BE REMOVED AND REPLACED WITH NEW ISOLATORS.
- ALL UNITS SHALL HAVE CARRIER NATIVE BACNET CONTROLLERS. ALL EXISTING CARRIER UNIT CONTROLLERS SHALL BE REMOVED FROM EXISTING AC UNITS AND RETURN TO DISTRICT.
- ALL UNITS FROM 3 TON TO 5 TON HIGH SHAL HAVE HIGH HEATING BTUH AND THIS SCHOOL IS NOT IN AQMD JURISDICTION FOR SCAQMD ULTRA-LOW NOX REQUIREMENT.
- PROVIDE SMOKE DETECTOR TO SHUT DOWN UNIT OVER 2000 CFM PER 2019 CMC 608.
- AC-1 AND AC-2 DISCONNECT CONNECTION FOR 2ND STAGE HEATING. INSTALL PER MANUFACTURER GUIDELINES.

XREFS:
..\..\..\..\refs\AmBorder (CD) - E.dwg
O:\QEDN\2021\501-21-0097 - QUAIL VALLEY MS\MECH\ADD 01\M0.2 SCHEDULES.DWG

REVISIONS	BY
1 ADDENDUM 01	VZ

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PROJECT:
SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: MECHANICAL SCHEDULES

DATE: October 12, 2026
DRAWN: VZ
JOB: 501-21-0097
SHEET: **M0.2**

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SHEET SIZE: ARCH E (30"x42")
PLOT DATE: 10/12/2026 12:21:49 PM

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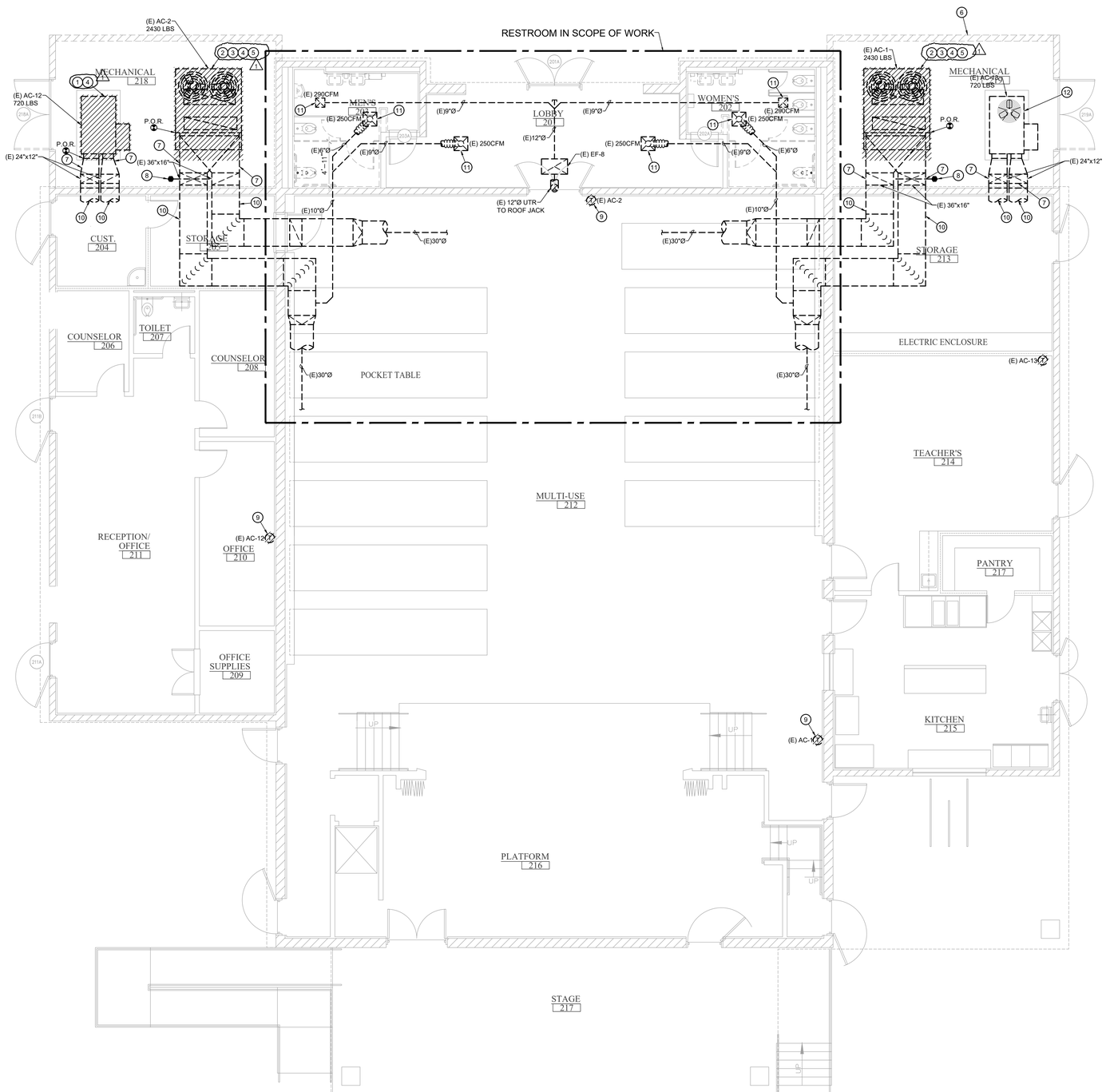

DEMOLITION KEY NOTES:

1. EXISTING AC UNIT, ISOLATOR SPRING AND FRAME WITH ANCHORAGE AND ACCESSORIES TO BE REMOVED AND REPLACE WITH NEW.
2. EXISTING AC UNIT, CURB AND ACCESSORIES TO BE REMOVED AND REPLACE WITH NEW.
3. EXISTING CARRIER EMS CONTROLLER TO BE REMOVED AND RE-INSTALL WITH NEW AC UNIT.
4. EXISTING CONCRETE PAD TO BE REMOVED.
5. CONTRACTOR TO RECORD EXISTING UNIT DIMENSIONS.
6. EXISTING WALL TO BE REMOVED AND RELOCATED. SEE ARCHITECT PLANS FOR MORE DETAILS.
7. EXISTING DUCTWORK TO REMAIN AND REUSE.
8. EXISTING SMOKE DETECTOR TO BE REMOVED AND REPLACE WITH NEW.
9. EXISTING THERMOSTAT TO BE REMOVED AND REPLACE WITH NEW.
10. CONTRACTOR TO PERFORM PRE-READ TAB FOR THE SUPPLY AND RETURN MAIN AIR DUCTS FOR COMPARE WITH POST READ FOR SAME AIR FLOW. EXISTING DSA #56614 TAB AIRFLOWS FOR CFM REQUIREMENT. IS AVAILABLE TO BE REQUESTED FROM ARCHITECT.
11. EXISTING AIR DEVICES (ATM) TO REMAIN. PROVIDE PREREAD AT THE RESTROOM.
12. EXISTING AC-13 UNIT, CURB AND ACCESSORIES TO REMAIN.

DEMOLITION NOTES:

1. DISTRICT SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL ITEMS TO BE REMOVED. CONTRACTOR SHALL VERIFY ALL SUCH ITEMS WITH DISTRICT PRIOR TO REMOVAL. ALL ITEMS NOT REFUSED BY DISTRICT SHALL BE REMOVED INTACT AND FULLY FUNCTIONAL BY CONTRACTOR AND RETURNED TO DISTRICT. ALL ITEMS REFUSED BY DISTRICT SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR.
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6. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH THE WORK OF ALL OTHER TRADES.
7. CONTRACTOR SHALL CLEAN ALL AIR DEVICES TO REMAIN PER SPECIFICATIONS SECTION 23 01 30.51.
8. ALL EXISTING LOUVERS THAT ARE BEING RE-USED SHALL BE CLEANED, PAINTED AND BIRD SCREENS SHALL BE REPLACED.
9. CONTRACTOR SHALL CLEAN ALL EXISTING DUCTWORK INCLUDING LINED DUCTWORK TO MAINTAIN SPECIFICATIONS SECTION 23 01 30.51. PRIOR TO BID AND BEFORE COMMENCEMENT OF ANY WORK ALL EXISTING DUCTWORK TO REMAIN SHALL BE CONFIRMED ON SITE.

MECHANICAL BUILDING 200 DEMO FLOOR PLAN

SCALE: 3/16"=1'-0" | 1

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1 ADDENDUM 01	VZ

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PROJECT:
SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
MECHANICAL BUILDING 200 FLOOR PLAN - DEMO

DATE: October 12, 2026
DRAWN: VZ
JOB: 501-21-0097
SHEET:

MD2.1

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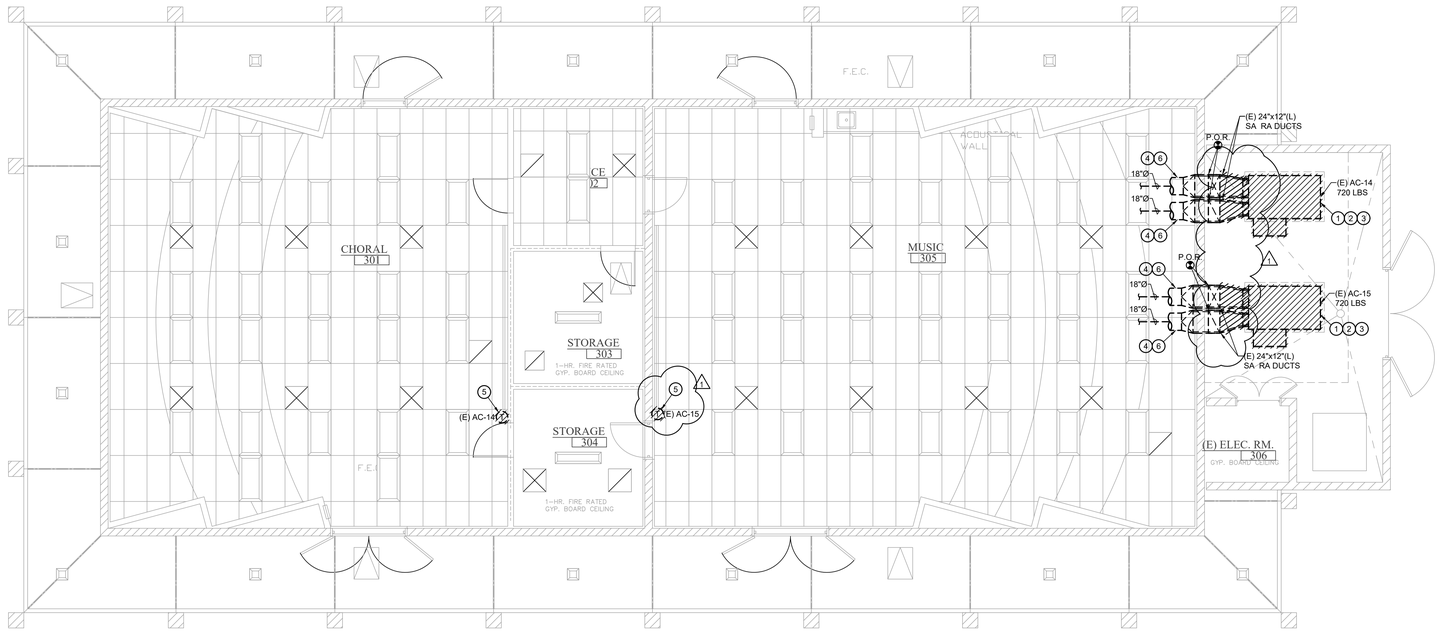

NORTH

MECHANICAL BUILDING 300 - DEMO FLOOR PLAN

SCALE: 3/16"=1'-0"

1

DEMOLITION KEY NOTES:

1. EXISTING AC UNIT, ISOLATOR SPRING AND FRAMES WITH ANCHORAGE AND ACCESSORIES TO BE REMOVED AND REPLACE WITH NEW.
2. EXISTING CARRIER EMS CONTROLLER TO BE REMOVED AND RE-INSTALL WITH NEW AC UNIT.
3. EXISTING CONCRETE PAD TO BE REMOVED.
4. EXISTING DUCTWORK TO REMAIN AND REUSED.
5. EXISTING THERMOSTAT TO BE REMOVED AND REPLACE WITH NEW.
6. CONTRACTOR TO PERFORM PRE-READ TAB FOR THE SUPPLY AND RETURN MAIN AIR DUCTS FOR COMPARE WITH POST-READ FOR SAME AIR FLOW. EXISTING DSA #56614 TAB AIRFLOWS FOR CFM REQUIREMENTS. IS AVAILABLE TO BE REQUESTED FROM ARCHITECT.
7. EXISTING PARTIAL DUCTWORK TO BE REMOVED AND REPLACED WITH NEW.

DEMOLITION NOTES:

1. DISTRICT SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL ITEMS TO BE REMOVED. CONTRACTOR SHALL VERIFY ALL SUCH ITEMS WITH DISTRICT PRIOR TO REMOVAL. ALL ITEMS NOT REFUSED BY DISTRICT SHALL BE REMOVED INTACT AND FULLY FUNCTIONAL BY CONTRACTOR AND RETURNED TO DISTRICT. ALL ITEMS REFUSED BY DISTRICT SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR.
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3. PLUMBING CONTRACTOR SHALL DISCONNECT EXISTING GAS PIPES FROM MECHANICAL EQUIPMENT TO BE REMOVED AND/OR REPLACED - AS REQUIRED.
4. CONTRACTOR SHALL PATCH ALL OPENINGS IN WALLS, ROOF, ETC. THAT WILL NOT BE REUSED FOR FUTURE WORK. COORDINATE AS NECESSARY WITH OTHER TRADES.
5. PRIOR TO ANY WORK BEING DONE CONTRACTOR SHALL MAKE A CAREFUL EVALUATION OF THE EXISTING CONDITIONS AND VERIFY ALL METHODS OF REMOVAL AND INSTALLATION OF MECHANICAL EQUIPMENT.
6. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH THE WORK OF ALL OTHER TRADES.
7. CONTRACTOR SHALL CLEAN ALL AIR DEVICES TO REMAIN PER SPECIFICATIONS SECTION 23 01 30.51.
8. ALL EXISTING LOUVERS THAT ARE BEING RE-USED SHALL BE CLEANED, PAINTED AND BIRD SCREENS SHALL BE REPLACED.
9. CONTRACTOR SHALL CLEAN ALL EXISTING DUCTWORK INCLUDING LINED DUCTWORK OR TO AS PER SPECIFICATIONS SECTION 23 01 30.51. PRIOR TO BID AND BEFORE COMMENCEMENT OF ANY WORK ALL EXISTING DUCTWORK TO REMAIN SHALL BE CONFIRMED ON SITE.

REVISIONS	BY
1 ADDENDUM 01	VZ

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STATE OF CALIFORNIA

PROJECT:
SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
MECHANICAL BUILDING 300 FLOOR PLAN - DEMO

DATE: October 12, 2026
DRAWN: VZ
JOB: 501-21-0097
SHEET:

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ADDENDUM 1, EXHIBIT "B"

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SHEET SIZE: ARCH E (36"X42")
PLOT DATE: 10/12/2026 12:22:01 PM

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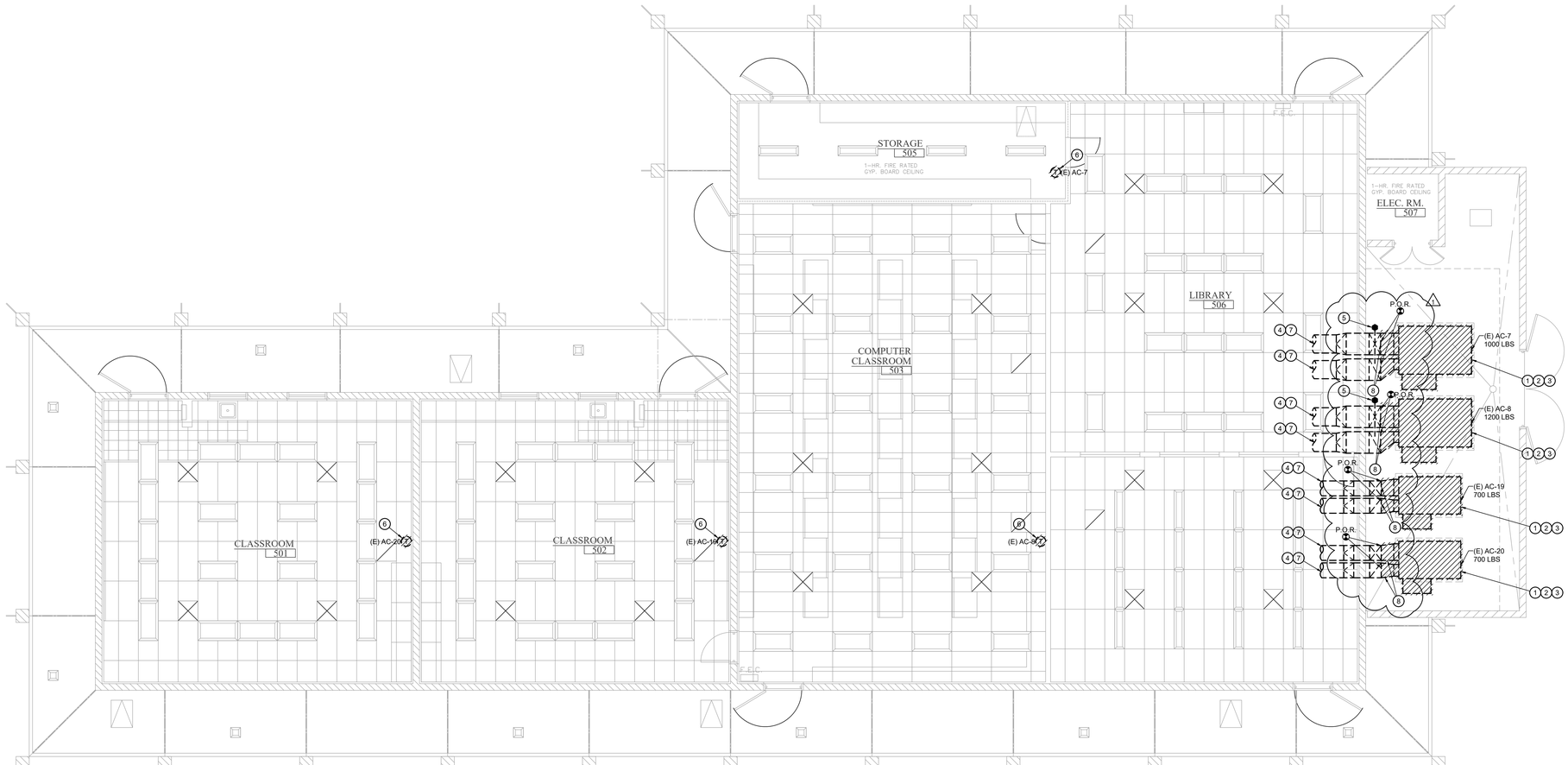

NORTH

MECHANICAL BUILDING 500 - DEMO FLOOR PLAN

SCALE: 3/16"=1'-0" | 1

DEMOLITION KEY NOTES:

1. EXISTING AC UNIT, ISOLATOR SPRING AND FRAMES WITH ANCHORAGE AND ACCESSORIES TO BE REMOVED AND REPLACE WITH NEW.
2. EXISTING CARRIER EMS CONTROLLER TO BE REMOVED AND RE-INSTALL WITH NEW AC UNIT.
3. EXISTING CONCRETE PAD TO BE REMOVED.
4. EXISTING DUCTWORK TO REMAIN AND REUSE.
5. EXISTING SMOKE DETECTOR TO BE REMOVED AND REPLACE WITH NEW.
6. EXISTING THERMOSTAT TO BE REMOVED AND REPLACE WITH NEW.
7. CONTRACTOR TO PERFORM PRE-READ TAB FOR THE SUPPLY AND RETURN MAIN AIR DUCTS FOR COMPARE WITH POST READ FOR SAME AIR FLOW. EXISTING DSA #56614 TAB AIRFLOWS FOR CFM REQUIREMENTS. IS AVAILABLE TO BE REQUESTED FROM ARCHITECT.
8. EXISTING PARTIAL DUCTWORK TO BE REMOVED AND REPLACE WITH NEW.

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8. ALL EXISTING LOUVERS THAT ARE BEING RE-USED SHALL BE CLEANED, PAINTED AND BIRD SCREENS SHALL BE REPLACED.
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REVISIONS	BY
1 ADDENDUM 01	VZ

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STATE OF CALIFORNIA

PROJECT:
SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
MECHANICAL BUILDING 500 FLOOR PLAN - DEMO

DATE: October 12, 206
DRAWN: VZ
JOB: 501-21-0097
SHEET:

MD5.1

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SHEET SIZE: ARCH E (30"x42")
PLOT DATE: 10/12/2026 12:22:07 PM

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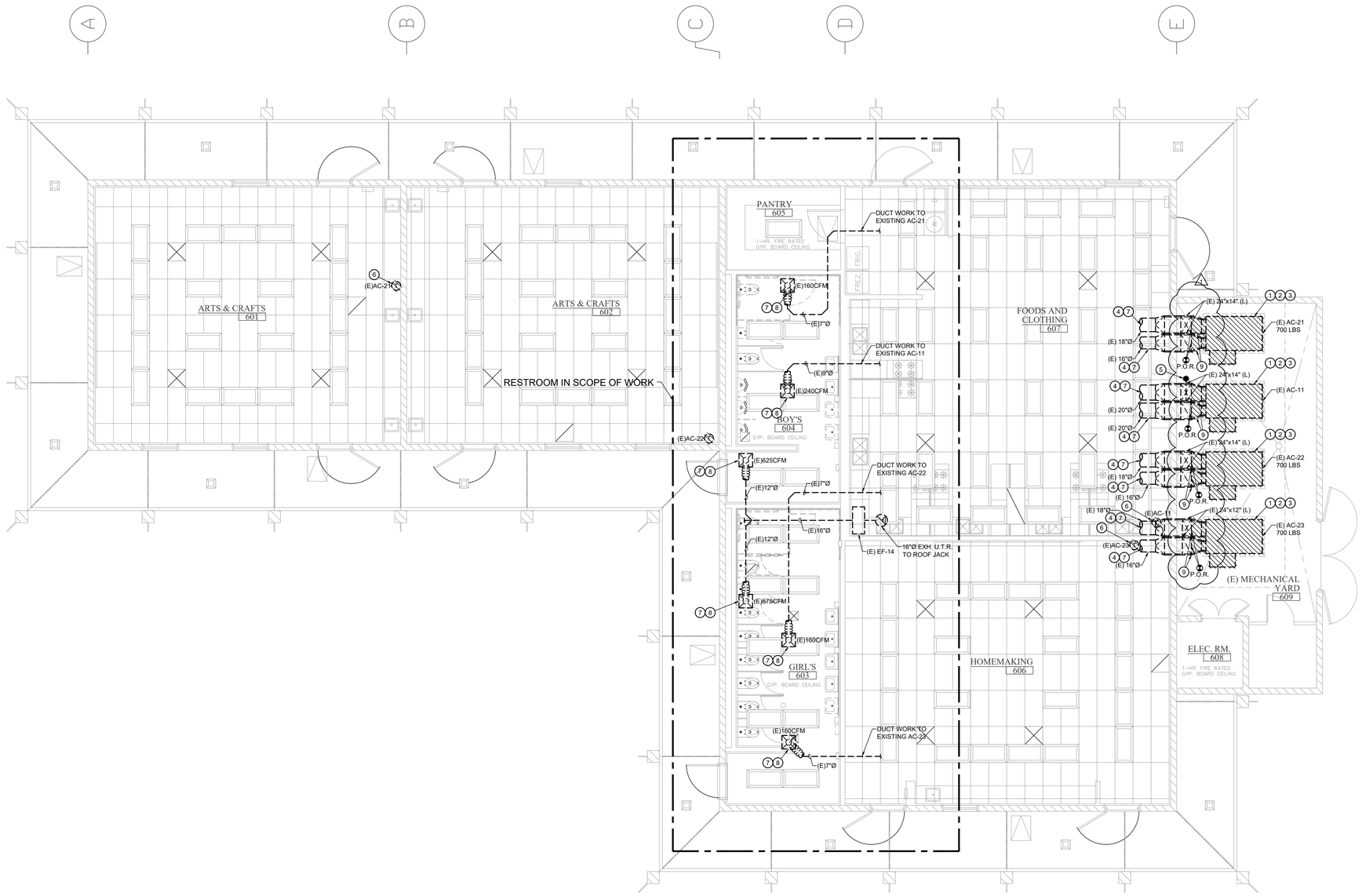

DEMOLITION KEY NOTES:

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6. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH THE WORK OF ALL OTHER TRADES
7. CONTRACTOR SHALL CLEAN ALL AIR DEVICES TO REMAIN PER SPECIFICATIONS (SECTION 23 01 30.5) 1
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NORTH

MECHANICAL BUILDING 600 - DEMO FLOOR PLAN

SCALE: 3/16"=1'-0" | 1

MECHANICAL PLAN KEYNOTES

REVISIONS	BY
1 ADDENDUM 01	VZ

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ARCHITECT

LICENSED ARCHITECT
BASTIAN, ROBERT
NO. C-27546
REN. 6-2027
STATE OF CALIFORNIA

PROJECT:
SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
MECHANICAL BUILDING 600 FLOOR PLAN - DEMO

DATE: October 12, 2026
DRAWN: VZ
JOB: 501-21-0097
SHEET:

MD6.1

ADDENDUM 1, EXHIBIT "B"

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PLOT DATE: 10/12/2026 12:22:14 PM

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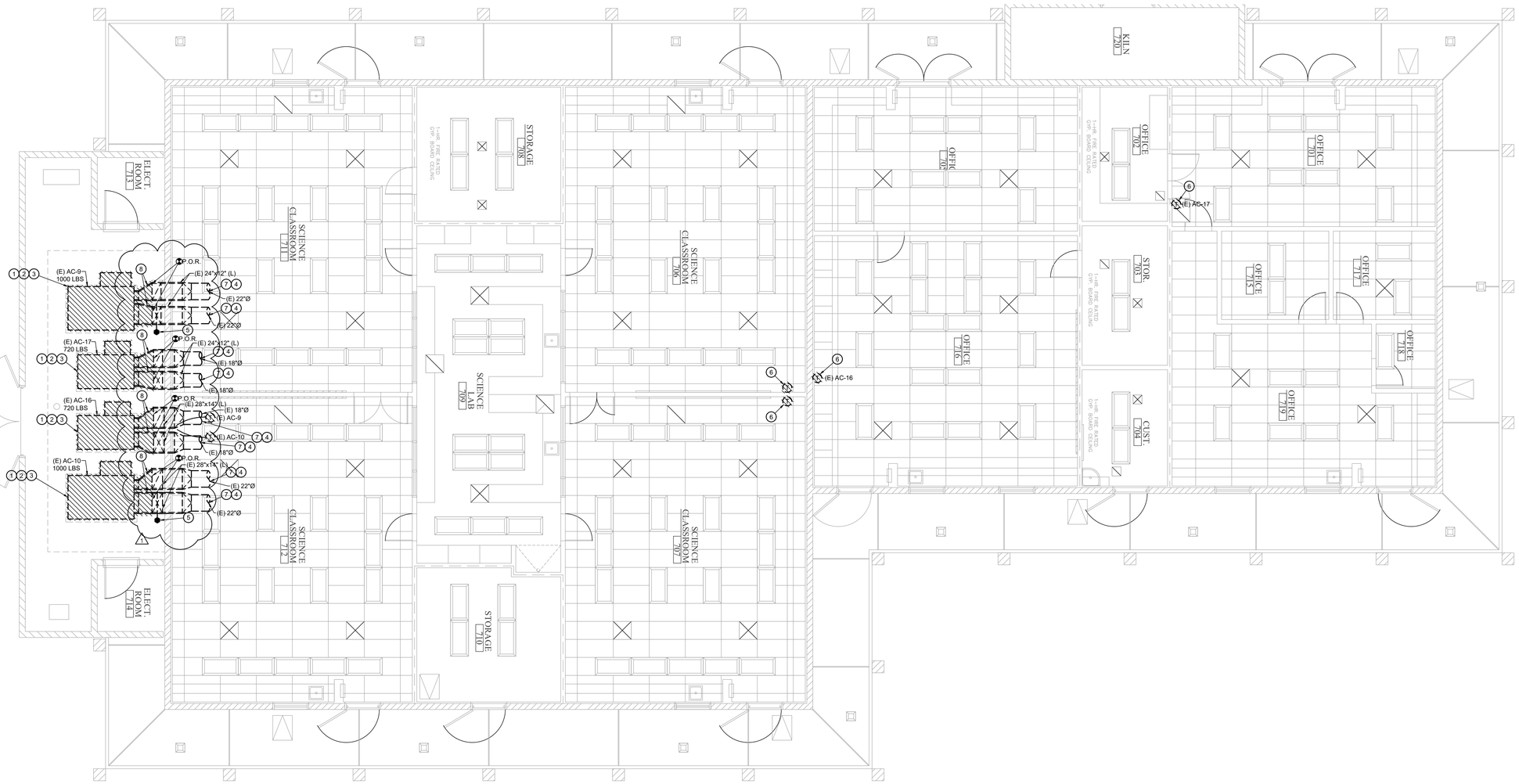

NORTH

MECHANICAL BUILDING 700 - DEMO FLOOR PLAN

SCALE: 3/16"=1'-0" | 1

DEMOLITION KEY NOTES:

1. EXISTING AC UNIT, ISOLATOR SPRING AND FRAMES WITH ANCHORAGE AND ACCESSORIES TO BE REMOVED AND REPLACE WITH NEW.
2. EXISTING CARRIER EMS CONTROLLER TO BE REMOVED AND RE-INSTALL WITH NEW AC UNIT.
3. EXISTING CONCRETE PAD TO BE REMOVED.
4. EXISTING DUCTWORK TO REMAIN AND REUSE.
5. EXISTING SMOKE DETECTOR TO BE REMOVED AND REPLACE WITH NEW.
6. EXISTING THERMOSTAT TO BE REMOVED AND REPLACE WITH NEW.
7. CONTRACTOR TO PERFORM PRE-READ TAB FOR THE SUPPLY AND RETURN MAIN AIR DUCTS FOR COMPARE WITH POST READ FOR TOTAL AIR FLOW. EXISTING DSA #56614 TAB AIRFLOWS FOR CFM REQUIREMENTS. IS AVAILABLE TO BE REQUESTED FROM ARCHITECT.
8. EXISTING PARTIAL DUCTWORK TO BE REMOVED AND REPLACED WITH NEW.

DEMOLITION NOTES:

1. DISTRICT SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL ITEMS TO BE REMOVED. CONTRACTOR SHALL VERIFY ALL SUCH ITEMS WITH DISTRICT PRIOR TO REMOVAL. ALL ITEMS NOT REFUSED BY DISTRICT SHALL BE REMOVED INTACT AND FULLY FUNCTIONAL BY CONTRACTOR AND RETURNED TO DISTRICT. ALL ITEMS REFUSED BY DISTRICT SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR.
2. ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER FROM MECHANICAL EQUIPMENT TO BE REMOVED, RELOCATED, RE-USED AND/OR REPLACED AS REQUIRED. CONTRACTOR SHALL RECONNECT POWER TO ALL MECHANICAL EQUIPMENT BEING RE-USED AND/OR RELOCATED REQUIRED.
3. PLUMBING CONTRACTOR SHALL DISCONNECT EXISTING GAS PIPES FROM MECHANICAL EQUIPMENT TO BE REMOVED AND/OR REPLACED - AS REQUIRED.
4. CONTRACTOR SHALL PATCH ALL OPENINGS IN WALLS, ROOF, ETC. THAT WILL NOT BE REUSED FOR FUTURE WORK. COORDINATE AS NECESSARY WITH OTHER TRADES.
5. PRIOR TO ANY WORK BEING DONE CONTRACTOR SHALL MAKE A CAREFUL EVALUATION OF THE EXISTING CONDITIONS AND VERIFY ALL METHODS OF REMOVAL AND INSTALLATION OF MECHANICAL EQUIPMENT.
6. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH THE WORK OF ALL OTHER TRADES
7. CONTRACTOR SHALL CLEAN ALL AIR DEVICES TO REMAIN PER SPECIFICATIONS SECTION 23 01 30.51
8. ALL EXISTING LOUVERS THAT ARE BEING RE-USED SHALL BE CLEANED, PAINTED AND BIRD SCREENS SHALL BE REPLACED.
9. CONTRACTOR SHALL CLEAN ALL EXISTING DUCTWORK INCLUDING LINED DUCTWORK TO REMAIN PER SPECIFICATIONS SECTION 23 01 30.51 PRIOR TO BID AND BEFORE COMMENCEMENT OF ANY WORK ALL EXISTING DUCTWORK TO REMAIN SHALL BE CONFIRMED ON SITE.

REVISIONS	BY
1 ADDENDUM 01	VZ

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ENGINEER

REGISTERED PROFESSIONAL ENGINEER
BRET BAKER
No. M29253
Exp. 6/30/27
MECHANICAL
STATE OF CALIFORNIA

ARCHITECT

LICENSED ARCHITECT
BAS
NO. C-27546
REN. 6-2027
STATE OF CALIFORNIA

PROJECT: SITE WORK RESTROOM & FIRE ALARM UPGRADES& QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: MECHANICAL BUILDING 700 FLOOR PLAN - DEMO

DATE: October 12, 2026
DRAWN: VZ
JOB: 501-21-0097
SHEET: MD7.1

ADDENDUM 1, EXHIBIT "B"

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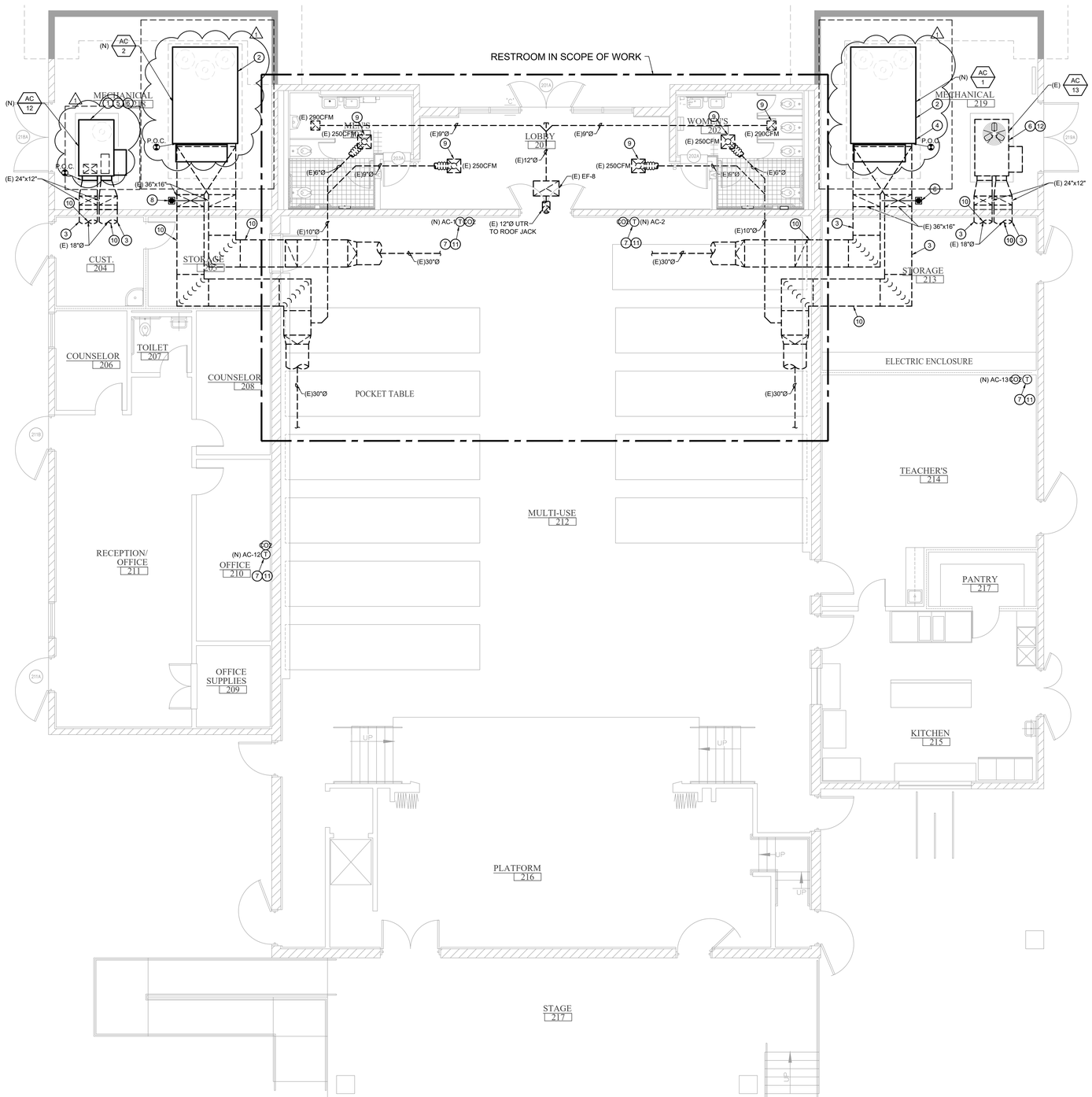
O:\OEDN\2021\501-21-0097 - QUAIL VALLEY MS\MECH\ADD 01\MD7.1 BLDG 700 - DEMO FLOOR PLAN.DWG

SHEET SIZE: ARCH E (30"x42")
PLOT DATE: 10/12/2026 12:22:19 PM



CONSTRUCTION KEY NOTES:

1. NEW CONCRETE PAD. SEE SHEET A2.2A
2. REUSE EXISTING CONCRETE PAD.
3. EXISTING DUCTWORK TO REMAIN AND REUSE. CONTRACTOR TO PROVIDE ALL NEW DUCT TRANSITIONS AS REQUIRED TO CONNECT TO EXISTING DUCTWORK.
4. PROVIDE NEW DUCT THRU CURB. SEE DETAIL 4/M8.1
5. PROVIDE (6) NEW ISOLATORS SEE DETAIL. AC # 3/M8.1
6. EXISTING EMS UNIT CONTROLLER TO BE INSTALLED AND CONNECTED TO EXISTING DISTRICT FRONT END OR USER INTERFACE.
7. EMS T-STAT. MOUNT AT 48" A.F.F. NEW LOW VOLTAGE WIRING SHALL REUSE EXISTING PATHWAYS WHERE POSSIBLE. WHERE EXISTING PATHWAYS CANNOT BE USED ON CMU WALLS AND WALL VINYLS NEW LOW VOLTAGE WIRING SHALL BE EXPOSED AND INSTALLED IN WIRE MOLD, PAINTED TO ADJACENT WALL.
8. PROVIDE NEW DUCT SMOKE DETECTOR INSIDE NEMA 3R BOX.
9. EXISTING AIR DEVICES (CFM) TO REMAIN. PROVIDE PREREAD AT THE TESTBOOK.
10. CONTRACTOR TO PERFORM POST-BALANCE TEST AT DUCT MAINS (SUPPLY/RETURN WHERE APPLICABLE) AFTER INSTALLATION OF NEW EQUIPMENT.
11. CO2 SENSOR MOUNT AT 48" A.F.F. AND AT LEAST 5 FT. FROM EXTERIOR DOORS AND OPERABLE WINDOWS. PROGRAM FROM ENERGY MANAGEMENT SYSTEM (EMS) TO MEET PUBLIC UTILITY CODE 1625 REQUIREMENT. NEW LOW VOLTAGE WIRING SHALL REUSE EXISTING PATHWAYS WHERE POSSIBLE. WHERE EXISTING PATHWAYS CANNOT BE USED ON CMU WALLS AND WALL VINYLS NEW LOW VOLTAGE WIRING SHALL BE EXPOSED AND INSTALLED IN WIRE MOLD, PAINTED TO ADJACENT WALL.
12. EXISTING AC-13 UNIT, CURB AND ACCESSORIES TO REMAIN.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL FULLY EXAMINE THE PREMISES, EXISTING EQUIPMENT AND SERVICES. THE CONTRACTOR SHALL DETERMINE IN ADVANCE, THE METHODS OF INSTALLATION INCLUDING: CONNECTIONS OF NEW EQUIPMENT, DUCTWORK, AND PIPING. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL NEW EQUIPMENT INSTALLATION REQUIREMENTS, RESTRICTIONS, AND ALL MEANS (TO BE PROVIDED) FOR GETTING THE EQUIPMENT, PIPING, AND MATERIALS INTO PLACES. SUCCESSFUL CONTRACTOR SHALL FURNISH NECESSARY MATERIALS TO COMPLETE THE WORK IN ACCORDANCE WITH THE INTENDED DESIGNS. THIS PROCEDURE SHALL BE PERFORMED WITHOUT ADDITIONAL COST TO THE OWNER.
2. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS AND DIMENSIONS OF ALL EXISTING EQUIPMENT AND ELECTRICAL SERVICES IN THE AREA OF CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
3. CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES AS NECESSARY PRIOR TO INSTALLATION.
4. CONTRACTOR SHALL MODIFY OPENING AND DUCT CONNECTIONS AS REQUIRED TO ACCOMMODATE NEWLY INSTALLED UNITS.
5. PATCH AND REPAIR EXISTING SURFACES AS REQUIRED TO FACILITATE DEMOLITION AND/OR PERFORMANCES OF THE NEW WORK. ALL NEW WORK SHALL MATCH IN KIND, QUALITY AND FINISH UNLESS OTHERWISE NOTED.
6. CONTRACTOR SHALL MINIMIZE IMPACT OF EXISTING CEILING TILES AND IMPLEMENT MEASURES TO MITIGATE DAMAGES TO THE EXISTING CEILING SYSTEM. THE CONTRACTOR SHALL REPAIR AND REPLACE ALL TILES DAMAGED DURING CONSTRUCTION.

MECHANICAL BUILDING 200 NEW FLOOR PLAN

SCALE: 3/16"=1'-0"

1

REVISIONS	BY
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ENGINEER

REGISTERED PROFESSIONAL ENGINEER ROBERT BANEZAK No. M29253 Exp. 6/30/27 MECHANICAL STATE OF CALIFORNIA

ARCHITECT

LICENSED ARCHITECT BASIT NO. C-27546 REN. 6-2027 STATE OF CALIFORNIA

PROJECT:
SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
MECHANICAL BUILDING 200 FLOOR PLAN - NEW

DATE: December 15, 2022
DRAWN: VZ
JOB: 501-21-0097
SHEET:

M2.1

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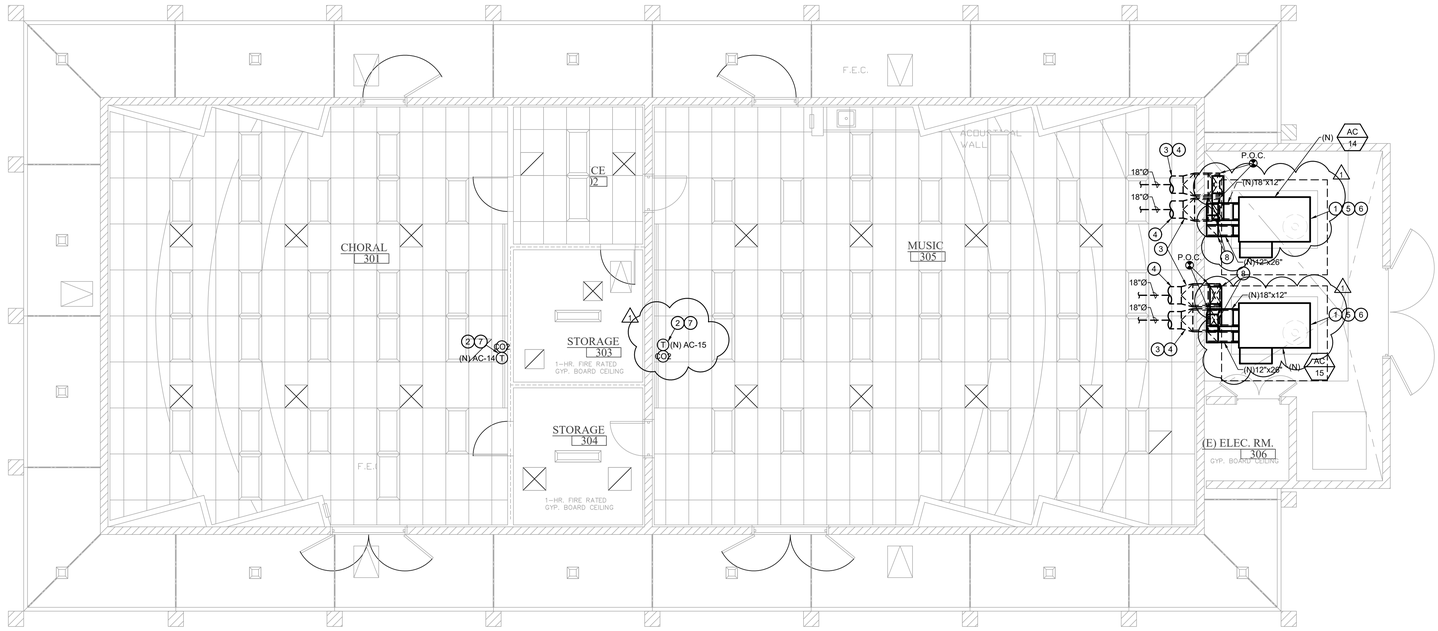

NORTH

MECHANICAL BUILDING 300 - NEW FLOOR PLAN

SCALE: 3/16"=1'-0"

1

CONSTRUCTION KEY NOTES:

1. NEW CONCRETE PAD AS SHOWN ON A18.
2. ELECTRONIC PROGRAMMABLE T-STAT. MOUNT AT 48" A.F.F. NEW LOW VOLTAGE WIRING SHALL REUSE EXISTING PATHWAYS WHERE POSSIBLE. WHERE EXISTING PATHWAYS CANNOT BE USED ON CMU WALLS AND WALL VINYLS NEW LOW VOLTAGE WIRING SHALL BE EXPOSED AND INSTALLED IN WIRE MOLD, PAINTED TO ADJACENT WALL.
3. EXISTING DUCTWORK TO REMAIN AND REUSE.
4. CONTRACTOR TO PERFORM POST-BALANCE TEST AT DUCT MAINS (SUPPLY/RETURN WHERE APPLICABLE) AFTER INSTALLATION OF NEW EQUIPMENT.
5. PROVIDE (6) NEW ISOLATORS SEE DETAIL. AC # (3 / M8.1)
6. EXISTING EMS UNIT CONTROLLER TO BE INSTALLED AND CONNECTED TO NEW FROM END-CONTROL.
7. CO2 SENSOR. MOUNT AT 48" A.F.F. AND AT LEAST 5 FT. FROM EXTERIOR DOORS AND OPERABLE WINDOWS. PROGRAM FROM ENERGY MANAGEMENT SYSTEM (EMS) TO MEET PUBLIC UTILITY CODE 1625 REQUIREMENT. NEW LOW VOLTAGE WIRING SHALL REUSE EXISTING PATHWAYS WHERE POSSIBLE. WHERE EXISTING PATHWAYS CANNOT BE USED ON CMU WALLS AND WALL VINYLS NEW LOW VOLTAGE WIRING SHALL BE EXPOSED AND INSTALLED IN WIRE MOLD, PAINTED TO ADJACENT WALL.
8. NEW DUCTWORK, TRANSITION AS REQUIRED TO CONNECT TO EXISTING DUCT.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL FULLY EXAMINE THE PREMISES, EXISTING EQUIPMENT AND SERVICES. THE CONTRACTOR SHALL DETERMINE IN ADVANCE, THE METHODS OF INSTALLATION INCLUDING: CONNECTIONS OF NEW EQUIPMENT, DUCTWORK, AND PIPING. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL NEW EQUIPMENT INSTALLATION REQUIREMENTS, RESTRICTIONS, AND ALL MEANS (TO BE PROVIDED) FOR GETTING THE EQUIPMENT, PIPING, AND MATERIALS INTO PLACES. SUCCESSFUL CONTRACTOR SHALL FURNISH NECESSARY MATERIALS TO COMPLETE THE WORK IN ACCORDANCE WITH THE INTENDED DESIGNS. THIS PROCEDURE SHALL BE PERFORMED WITHOUT ADDITIONAL COST TO THE OWNER.
2. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS AND DIMENSIONS OF ALL EXISTING EQUIPMENT AND ELECTRICAL SERVICES IN THE AREA OF CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
3. CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES AS NECESSARY PRIOR TO INSTALLATION.
4. CONTRACTOR SHALL MODIFY OPENING AND DUCT CONNECTIONS AS REQUIRED TO ACCOMMODATE NEWLY INSTALLED UNITS.
5. PATCH AND REPAIR EXISTING SURFACES AS REQUIRED TO FACILITATE DEMOLITION AND/OR PERFORMANCES OF THE NEW WORK. ALL NEW WORK SHALL MATCH IN KIND, QUALITY AND FINISH UNLESS OTHERWISE NOTED.
6. CONTRACTOR SHALL MINIMIZE IMPACT OF EXISTING CEILING TILES AND IMPLEMENT MEASURES TO MITIGATE DAMAGES TO THE EXISTING CEILING SYSTEM. THE CONTRACTOR SHALL REPAIR AND REPLACE ALL TILES DAMAGED DURING CONSTRUCTION.

REVISIONS	BY
1 ADDENDUM 01	VZ

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ENGINEER

REGISTERED PROFESSIONAL ENGINEER — BRADLEY BAKER — No. M29253 Exp. 6/30/27 — MECHANICAL — STATE OF CALIFORNIA

ARCHITECT

LICENSED ARCHITECT — BAS — NO. C-27546 REN. 6-2027 — STATE OF CALIFORNIA

PROJECT:
SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: MECHANICAL BUILDING 300 FLOOR PLAN - NEW

DATE: October 12, 2026
DRAWN: VZ
JOB: 501-21-0097
SHEET: M3.1

ADDENDUM 1, EXHIBIT "B"

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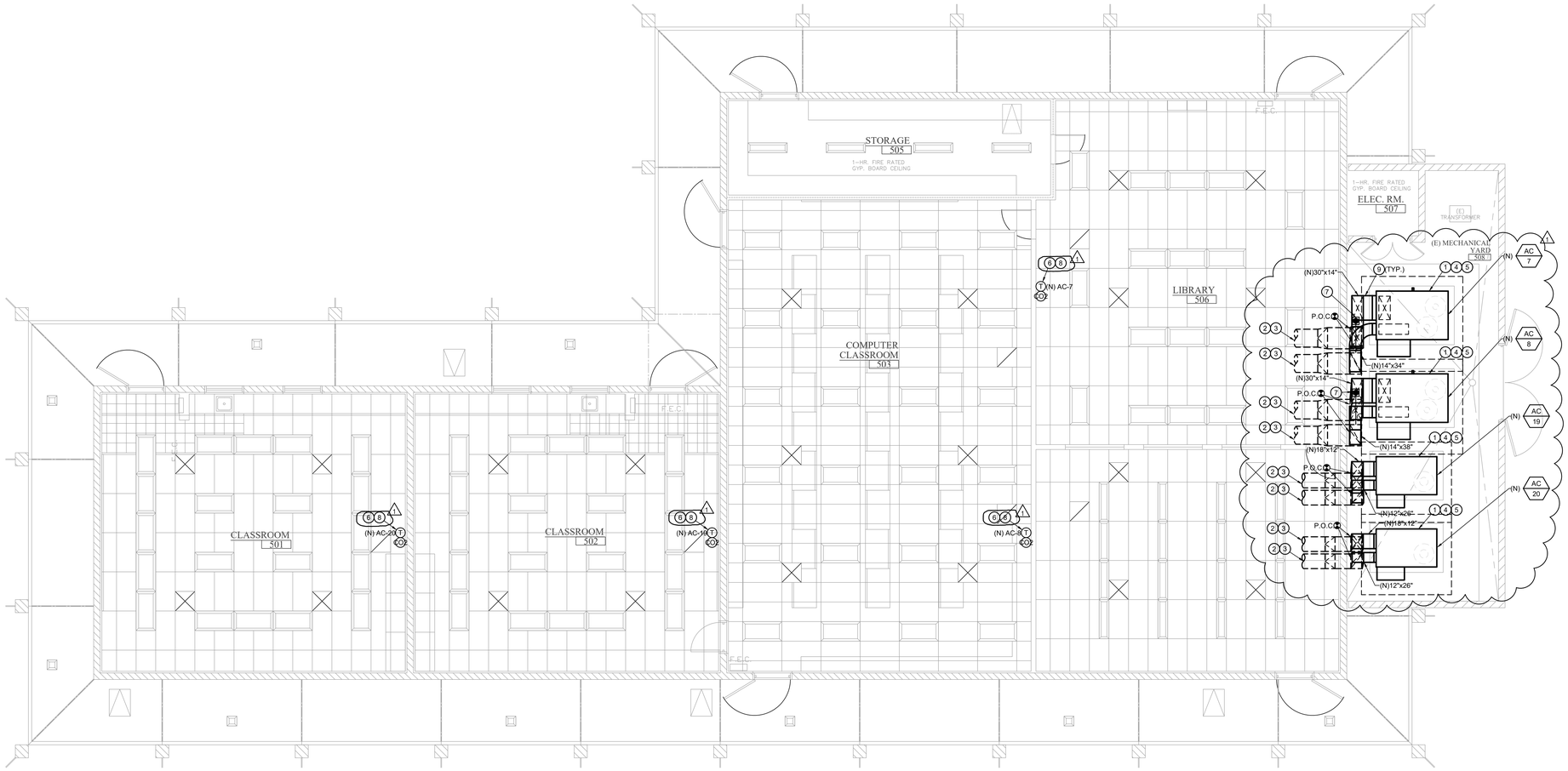

NORTH

MECHANICAL BUILDING 500 - NEW FLOOR PLAN

SCALE: 3/16"=1'-0" | 1

CONSTRUCTION KEY NOTES:

1. NEW CONCRETE PAD AS SHOWN ON A/6.
2. EXISTING DUCTWORK TO REMAIN AND REUSE.
3. CONTRACTOR TO PERFORM POST-BALANCE TEST AT DUCT MAINS (SUPPLY/RETURN WHERE APPLICABLE) AFTER INSTALLATION OF NEW EQUIPMENT.
4. PROVIDE (6) NEW ISOLATORS SEE DETAIL. AC # 3/M8.1
5. EXISTING EMS UNIT CONTROLLER TO BE INSTALLED AND CONNECTED TO NEW FROM END CONTROL.
6. ELECTRONIC PROGRAMMABLE T-STAT. MOUNT AT 48" A.F.F. NEW LOW VOLTAGE WIRING SHALL REUSE EXISTING PATHWAYS WHERE POSSIBLE. WHERE EXISTING PATHWAYS CANNOT BE USED ON CMU WALLS AND WALL VINYLS NEW LOW VOLTAGE WIRING SHALL BE EXPOSED AND INSTALLED IN WIRE MOLD, PAINTED TO ADJACENT WALL.
7. PROVIDE NEW DUCT SMOKE DETECTOR INSIDE NEMO 3 BOX.
8. CO2 SENSOR MOUNT AT 48" A.F.F. AND AT LEAST 5 FT. FROM EXTERIOR DOORS AND OPERABLE WINDOWS. PROGRAM FROM ENERGY MANAGEMENT SYSTEM (EMS) TO MEET PUBLIC UTILITY CODE 1625 REQUIREMENT. NEW LOW VOLTAGE WIRING SHALL REUSE EXISTING PATHWAYS WHERE POSSIBLE. WHERE EXISTING PATHWAYS CANNOT BE USED ON CMU WALLS AND WALL VINYLS NEW LOW VOLTAGE WIRING SHALL BE EXPOSED AND INSTALLED IN WIRE MOLD, PAINTED TO ADJACENT WORK.
9. NEW DUCT TRANSITION AS REQUIRED TO CONNECT TO EXISTING DUCTWORK.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL FULLY EXAMINE THE PREMISES, EXISTING EQUIPMENT AND SERVICES. THE CONTRACTOR SHALL DETERMINE IN ADVANCE, THE METHODS OF INSTALLATION INCLUDING: CONNECTIONS OF NEW EQUIPMENT, DUCTWORK, AND PIPING. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL NEW EQUIPMENT INSTALLATION REQUIREMENTS, RESTRICTIONS, AND ALL MEANS (TO BE PROVIDED) FOR GETTING THE EQUIPMENT, PIPING, AND MATERIALS INTO PLACES. SUCCESSFUL CONTRACTOR SHALL FURNISH NECESSARY MATERIALS TO COMPLETE THE WORK IN ACCORDANCE WITH THE INTENDED DESIGNS. THIS PROCEDURE SHALL BE PERFORMED WITHOUT ADDITIONAL COST TO THE OWNER.
2. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS AND DIMENSIONS OF ALL EXISTING EQUIPMENT AND ELECTRICAL SERVICES IN THE AREA OF CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
3. CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES AS NECESSARY PRIOR TO INSTALLATION.
4. CONTRACTOR SHALL MODIFY OPENING AND DUCT CONNECTIONS AS REQUIRED TO ACCOMMODATE NEWLY INSTALLED UNITS.
5. PATCH AND REPAIR EXISTING SURFACES AS REQUIRED TO FACILITATE DEMOLITION AND/OR PERFORMANCES OF THE NEW WORK. ALL NEW WORK SHALL MATCH IN KIND, QUALITY AND FINISH UNLESS OTHERWISE NOTED.
6. CONTRACTOR SHALL MINIMIZE IMPACT OF EXISTING CEILING TILES AND IMPLEMENT MEASURES TO MITIGATE DAMAGES TO THE EXISTING CEILING SYSTEM. THE CONTRACTOR SHALL REPAIR AND REPLACE ALL TILES DAMAGED DURING CONSTRUCTION.

REVISIONS	BY
1 ADDENDUM 01	VZ

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ENGINEER

REGISTERED PROFESSIONAL ENGINEER
ROBERT BAKER
Exp. 6/30/27
MECHANICAL
STATE OF CALIFORNIA

ARCHITECT

LICENSED ARCHITECT
BAST
NO. C-27546
REN. 6-2027
STATE OF CALIFORNIA

PROJECT:
SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
MECHANICAL BUILDING 500 FLOOR PLAN - NEW

DATE: October 12, 2026
DRAWN: VZ
JOB: 501-21-0097
SHEET:

M5.1

ADDENDUM 1, EXHIBIT "B"

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C:\OEDN\2021\501-21-0097 - QUAIL VALLEY MS\MECH\ADD 01\M5.1 BLDG 500 - NEW FLOOR PLAN.DWG

SHEET SIZE: ARCH E (30"x42")
PLOT DATE: 10/12/2026 12:22:37 PM

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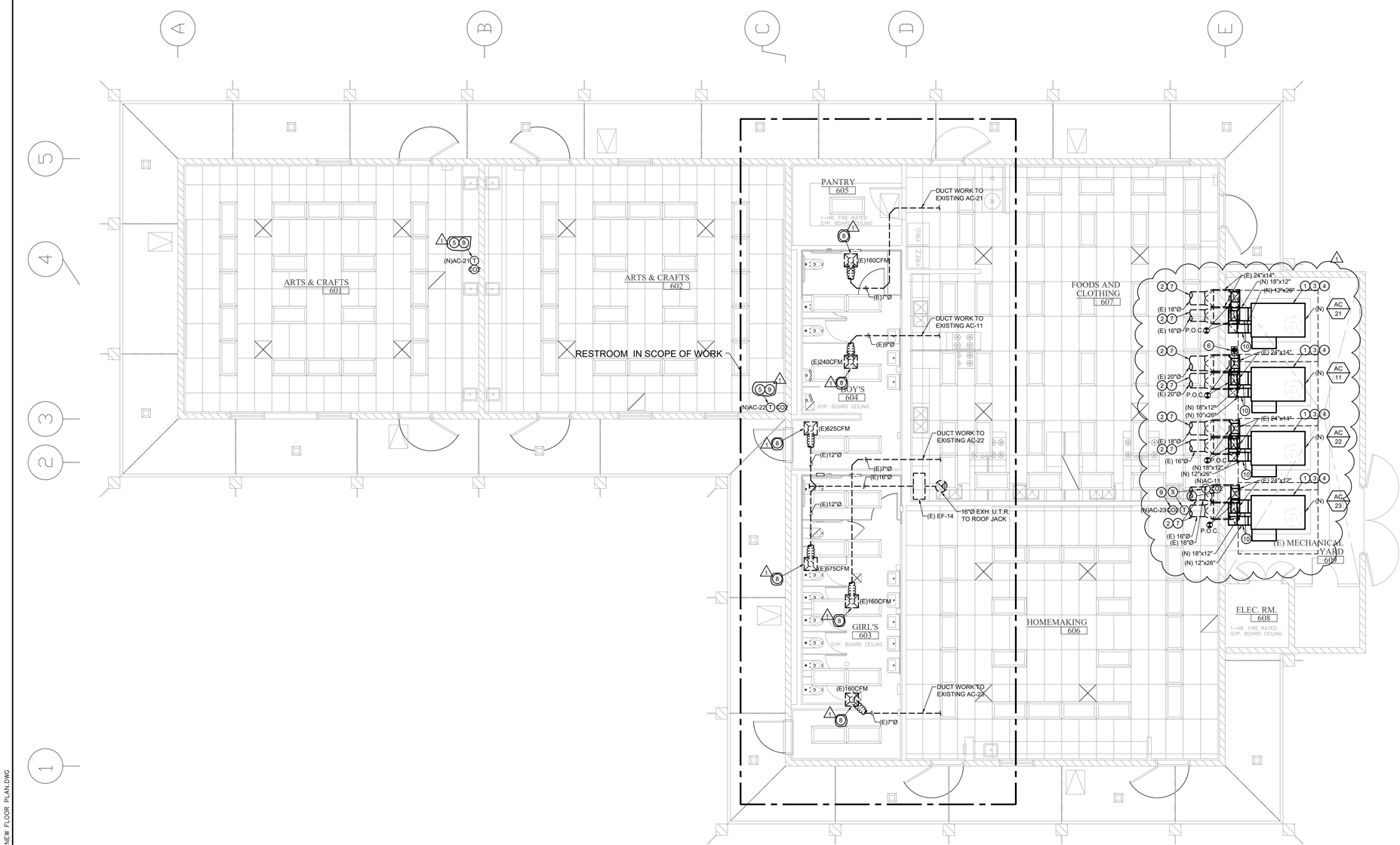

CONSTRUCTION KEY NOTES:

1. NEW CONCRETE PAD AS SHOWN ON A18.
2. EXISTING DUCTWORK TO REMAIN AND REUSE.
3. PROVIDE (6) NEW ISOLATORS SEE DETAIL. AC # — 3/M8.1
4. EXISTING EMS UNIT CONTROLLER TO BE INSTALLED AND CONNECTED TO NEW FROM END CONTROL.
5. ELECTRONIC PROGRAMMABLE T-STAT. MOUNT AT 48" A.F.F. NEW LOW VOLTAGE WIRING SHALL REUSE EXISTING PATHWAYS WHERE POSSIBLE. WHERE EXISTING PATHWAYS CANNOT BE USED ON CMU WALLS AND WALL VINYLS NEW LOW VOLTAGE WIRING SHALL BE EXPOSED AND INSTALLED IN WIRE MOLD, PAINTED TO ADJACENT WALL.
6. PROVIDE NEW DUCT SMOKE DETECTOR INSIDE NEMO 3 BOX.
7. CONTRACTOR TO PERFORM POST-BALANCE TEST AT DUCT MAINS (SUPPLY/RETURN WHERE APPLICABLE) AFTER INSTALLATION OF NEW EQUIPMENT.
8. EXISTING AIR DEVICES (CFM) TO REMAIN. PROVIDE PREREAD AT THE RESTROM.
9. CO2 SENSOR MOUNT AT 48" A.F.F. AND AT LEAST 5 FT. FROM EXTERIOR DOORS AND OPERABLE WINDOWS. PROGRAM FROM ENERGY MANAGEMENT SYSTEM (EMS) TO MEET PUBLIC UTILITY CODE 1625 REQUIREMENT. NEW LOW VOLTAGE WIRING SHALL REUSE EXISTING PATHWAYS WHERE POSSIBLE. WHERE EXISTING PATHWAYS CANNOT BE USED ON CMU WALLS AND WALL VINYLS NEW LOW VOLTAGE WIRING SHALL BE EXPOSED AND INSTALLED IN WIRE MOLD, PAINTED TO ADJACENT WALL.
10. NEW DUCTWORK, TRANSITION AS REQUIRED TO CONNECT TO EXISTING DUCTWORK.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL FULLY EXAMINE THE PREMISES, EXISTING EQUIPMENT AND SERVICES. THE CONTRACTOR SHALL DETERMINE IN ADVANCE, THE METHODS OF INSTALLATION INCLUDING CONNECTIONS OF NEW EQUIPMENT, DUCTWORK, AND PIPING. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL NEW EQUIPMENT INSTALLATION REQUIREMENTS, RESTRICTIONS, AND ALL MEANS (TO BE PROVIDED) FOR GETTING THE EQUIPMENT, PIPING, AND MATERIALS INTO PLACES. SUCCESSFUL CONTRACTOR SHALL FURNISH NECESSARY MATERIALS TO COMPLETE THE WORK IN ACCORDANCE WITH THE INTENDED DESIGNS. THIS PROCEDURE SHALL BE PERFORMED WITHOUT ADDITIONAL COST TO THE OWNER.
2. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS AND DIMENSIONS OF ALL EXISTING EQUIPMENT AND ELECTRICAL SERVICES IN THE AREA OF CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
3. CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES AS NECESSARY PRIOR TO INSTALLATION.
4. CONTRACTOR SHALL MODIFY OPENING AND DUCT CONNECTIONS AS REQUIRED TO ACCOMMODATE NEWLY INSTALLED UNITS.
5. PATCH AND REPAIR EXISTING SURFACES AS REQUIRED TO FACILITATE DEMOLITION AND/OR PERFORMANCES OF THE NEW WORK. ALL NEW WORK SHALL MATCH IN KIND, QUALITY AND FINISH UNLESS OTHERWISE NOTED.
6. CONTRACTOR SHALL MINIMIZE IMPACT OF EXISTING CEILING TILES AND IMPLEMENT MEASURES TO MITIGATE DAMAGES TO THE EXISTING CEILING SYSTEM. THE CONTRACTOR SHALL REPAIR AND REPLACE ALL TILES DAMAGED DURING CONSTRUCTION.

MECHANICALS PLAN KEYNOTES

MECHANICAL BUILDING 600 - NEW FLOOR PLAN

SCALE: 3/16"=1'-0" | 1

REVISIONS	BY
1 ADDENDUM 01	VZ

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ENGINEER

REGISTERED PROFESSIONAL ENGINEER — JOHN BAKER JEFF — No. M29253 Exp. 6/30/27 — MECHANICAL — STATE OF CALIFORNIA

ARCHITECT

LICENSED ARCHITECT — BAS — NO. C-27546 REN. 6-2027 — STATE OF CALIFORNIA

PROJECT:
SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
MECHANICAL BUILDING 600 FLOOR PLAN - NEW

DATE: October 12, 2026
DRAWN: VZ
JOB: 501-21-0097
SHEET:

M6.1

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SHEET SIZE: ARCH E (36"x42")
PLOT DATE: 10/12/2026 12:22:42 PM

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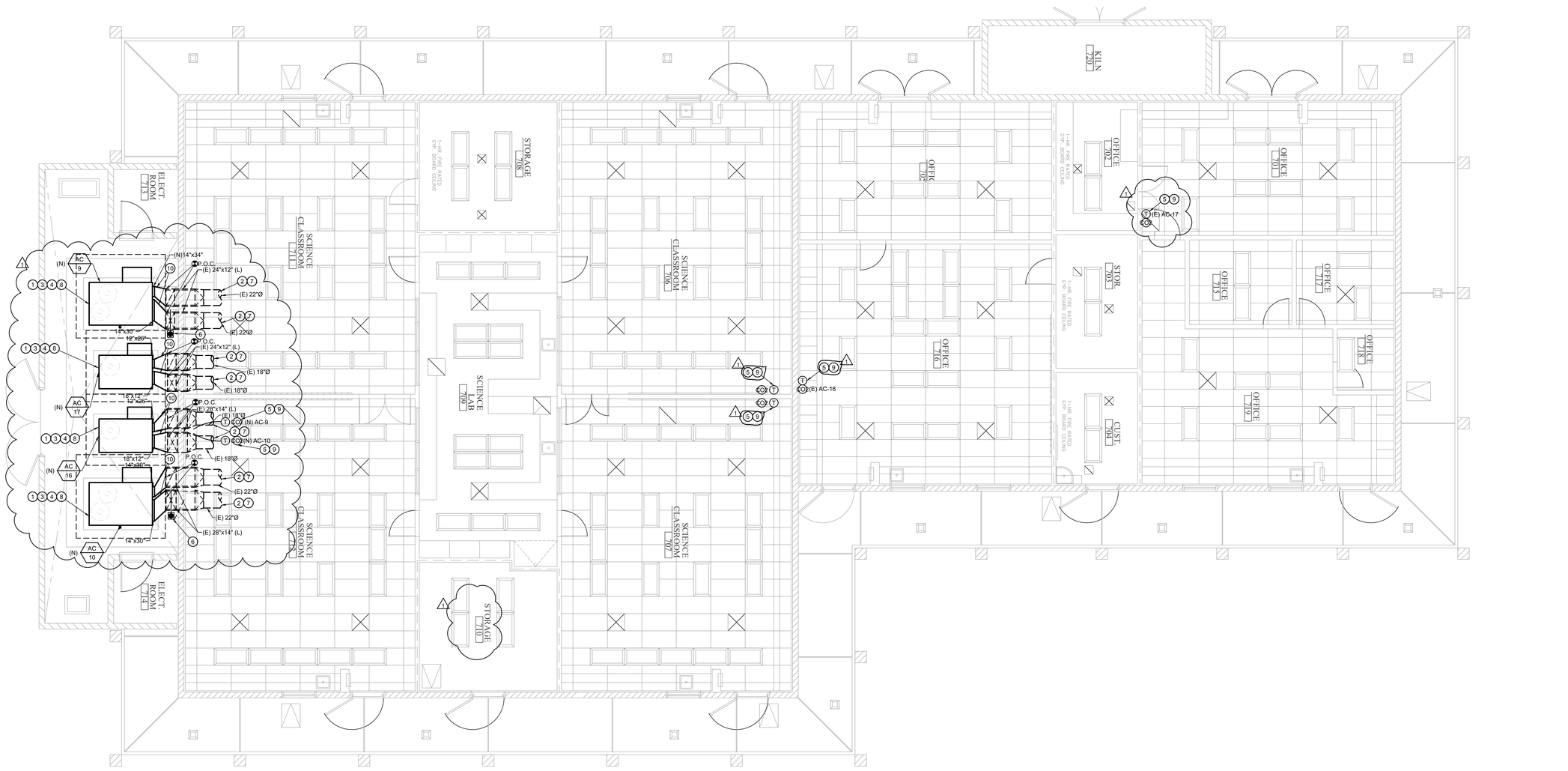
\\oed\org\O_Drive\OEDN\2021\501-21-0097 - Quail Valley MS\x-refs\AmBorder (CD) - E.dwg



MECHANICAL BUILDING 700 - NEW FLOOR PLAN

SCALE: 3/16"=1'-0" | 1

CONSTRUCTION KEY NOTES:

1. NEW CONCRETE PAD AS SHOWN ON A18.
2. EXISTING DUCTWORK TO REMAIN AND REUSE.
3. PROVIDE (6) NEW ISOLATORS SEE DETAIL. AC # (3 / M8.1)
4. EXISTING EMS UNIT CONTROLLER TO BE INSTALLED AND CONNECTED TO NEW FROM END CONTROL.
5. ELECTRONIC PROGRAMMABLE T-STAT. MOUNT AT 48" A.F.F. NEW LOW VOLTAGE WIRING SHALL REUSE EXISTING PATHWAYS WHERE POSSIBLE. WHERE EXISTING PATHWAYS CANNOT BE USED ON CMU WALLS AND WALL VINYLS NEW LOW VOLTAGE WIRING SHALL BE EXPOSED AND INSTALLED IN WIRE MOLD, PAINTED TO ADJACENT WALL.
6. PROVIDE NEW DUCT SMOKE DETECTOR INSIDE NEMO 3 BOX.
7. CONTRACTOR TO PERFORM POST-BALANCE TEST AT DUCT MAINS (SUPPLY/RETURN WHERE APPLICABLE) AFTER INSTALLATION OF NEW EQUIPMENT.
8. EXISTING CURB TO REMAIN.
9. CO2 SENSOR MOUNT AT 48" A.F.F. AND AT LEAST 5 FT. FROM EXTERIOR DOORS AND OPERABLE WINDOWS. PROGRAM FROM ENERGY MANAGEMENT SYSTEM (EMS) TO MEET PUBLIC UTILITY CODE 1625 REQUIREMENT. NEW LOW VOLTAGE WIRING SHALL REUSE EXISTING PATHWAYS WHERE POSSIBLE. WHERE EXISTING PATHWAYS CANNOT BE USED ON CMU WALLS AND WALL VINYLS NEW LOW VOLTAGE WIRING SHALL BE EXPOSED AND INSTALLED IN WIRE MOLD, PAINTED TO ADJACENT WALL.
10. NEW DUCTWORK, TRANSITION AS REQUIRED TO CONNECT TO EXISTING DUCTWORK.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL FULLY EXAMINE THE PREMISES, EXISTING EQUIPMENT AND SERVICES. THE CONTRACTOR SHALL DETERMINE IN ADVANCE, THE METHODS OF INSTALLATION INCLUDING: CONNECTIONS OF NEW EQUIPMENT, DUCTWORK, AND PIPING. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL NEW EQUIPMENT INSTALLATION REQUIREMENTS, RESTRICTIONS, AND ALL MEANS (TO BE PROVIDED) FOR GETTING THE EQUIPMENT, PIPING, AND MATERIALS INTO PLACES. SUCCESSFUL CONTRACTOR SHALL FURNISH NECESSARY MATERIALS TO COMPLETE THE WORK IN ACCORDANCE WITH THE INTENDED DESIGNS. THIS PROCEDURE SHALL BE PERFORMED WITHOUT ADDITIONAL COST TO THE OWNER.
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REVISIONS	BY
1 ADDENDUM 01	VZ

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ENGINEER
REGISTERED PROFESSIONAL ENGINEER — BANERJEE — No. M29253 — Exp. 6/30/27 — MECHANICAL — STATE OF CALIFORNIA

ARCHITECT
LICENSED ARCHITECT — BAS — NO. C-27546 — REN. 6-2027 — STATE OF CALIFORNIA

PROJECT:
SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
MECHANICAL BUILDING 700 FLOOR PLAN - NEW

DATE: October 12, 2026
DRAWN: VZ
JOB: 501-21-0097
SHEET:

M7.1

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ENGINEER

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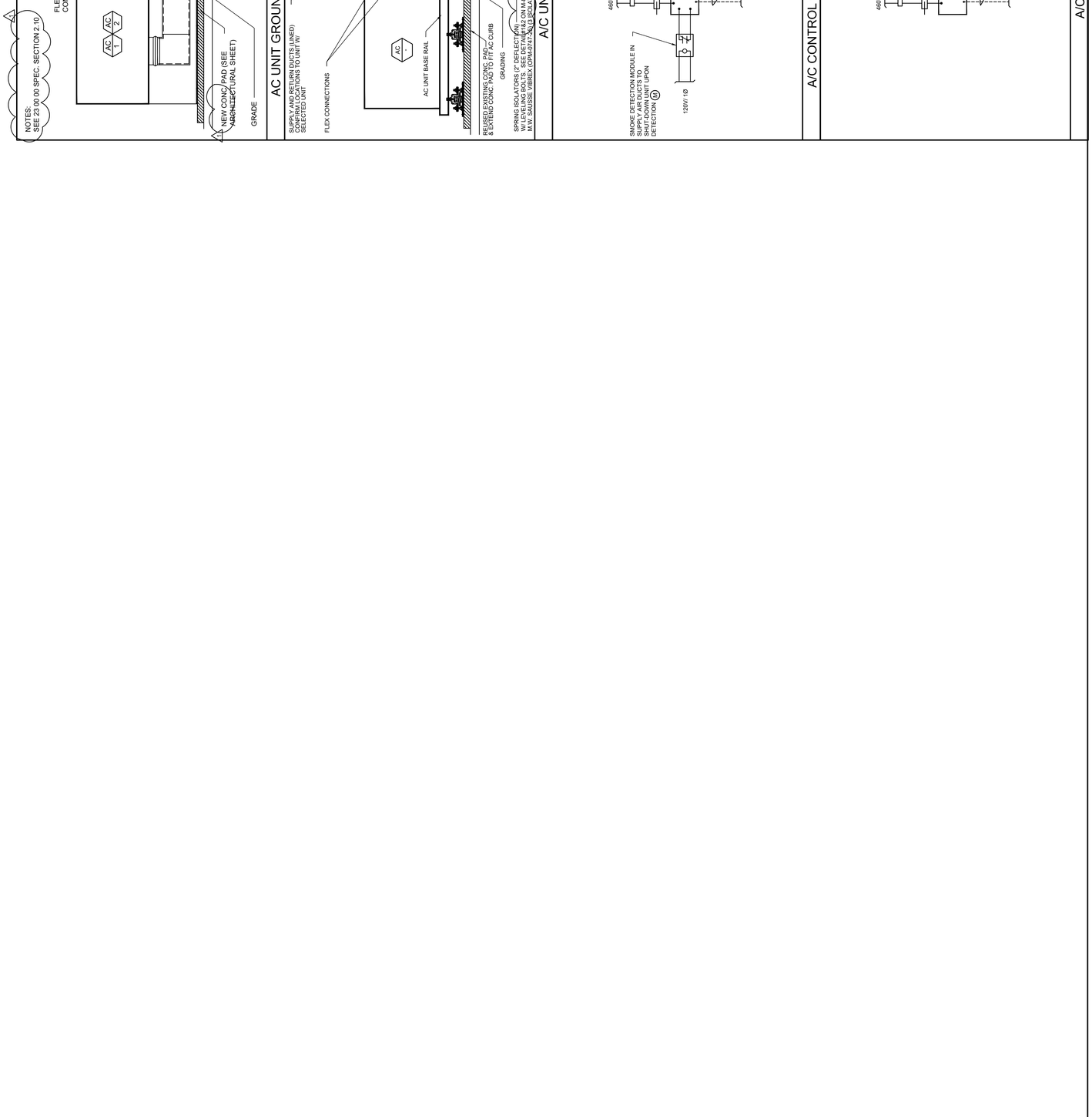
ARCHITECT

LICENSED ARCHITECT BARRY BAKER No. C-27546 REN. 6-2026 STATE OF CALIFORNIA

PROJECT:
SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
MECHANICAL DETAILS

DATE: October 12, 2026
DRAWN: VZ
JOB: 501-21-0097
SHEET: **M8.1**



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SHEET SIZE: ARCH E (30"X42")
PLOT DATE: 10/12/2026 12:22:48 PM

SHEET SIZE: ARCH E (30"X42")
PLOT DATE: 10/12/2026 12:22:52 PM

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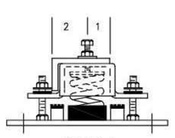
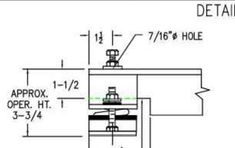
MARK	MAKE	MODEL	STEEL SIZE
AC-7,9,10	CARRIER	48FEDM08	L 3 X 3 X 1/4
AC-8	CARRIER	48FEDM12	

DETAIL-1

NOTES:
1. APPROX. STEEL WEIGHT INCLUDING ISOLATORS.: 200 LBS.
2. ISOLATORS. SEE DETAIL 3.
3. M.W. SAUSSE & CO. INC. IS NOT RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF THE EQUIPMENT WHEN ANCHORED AS SHOWN.
4. ALL DIMENSIONS TO BE FIELD VERIFIED BY CONTRACTOR BEFORE CONSTRUCTION.

DETAIL-2



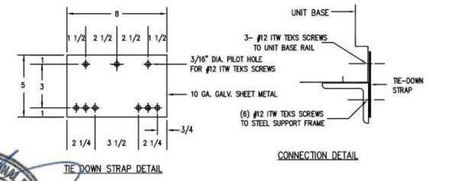


DETAIL-3

ISOLATOR H.C.A.I. PRE-APPROVED No. OPM-0747-25

MARK	SPRING OD.	DEFL
1-6	2"	1.0

RMU-EQ-2



TIE DOWN STRAP DETAIL

CONNECTION DETAIL

M. W. SAUSSE & CO., INC.	JOB NAME:	QUAIL VALLEY HS	REVISIONS:	DRN:	TDT
28744 Whitherspoon Pkwy, Valencia, CA 91355	CUST.:		A: RMU TO RMUAB (8-12-26)	DATE:	1-12-22
Phone: (661) 257-3311 Fax: (661) 257-7673	CUST. P.O.:		B:	DRAWING NO.:	
Vibrex RMUAB-2	MECH. ENGR.:	OED	C:		-2A
	MARK:	AC-7,8,9,10	D:		

REGISTERED PROFESSIONAL ENGINEER — RACHAEL OF TREGLIA — No. S6131 — Exp. 9/30/27 — STRUCTURAL — STATE OF CALIFORNIA

05/21/2026

ISOLATOR MOUNTING DETAILS FOR AC-7 TO 10

SCALE NONE | 2

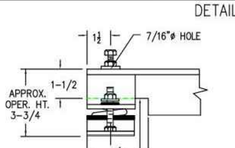
MARK	MAKE	MODEL	STEEL SIZE
AC-12,14,15,16,17	CARRIER	48QEEM06	L 3 X 2 X 1/4
AC-19 TO 23	CARRIER	48QEEM05	
AC-11	CARRIER	48FEDM07	

DETAIL-1

NOTES:
1. APPROX. STEEL WEIGHT INCLUDING ISOLATORS.: 175 LBS.
2. ISOLATORS. SEE DETAIL 3.
3. M.W. SAUSSE & CO. INC. IS NOT RESPONSIBLE FOR THE STRUCTURAL INTEGRITY OF THE EQUIPMENT WHEN ANCHORED AS SHOWN.
4. ALL DIMENSIONS TO BE FIELD VERIFIED BY CONTRACTOR BEFORE CONSTRUCTION.

DETAIL-2



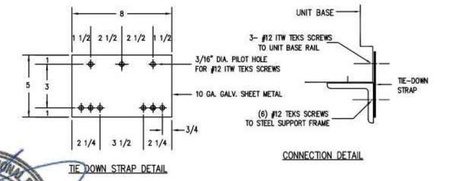


DETAIL-3

ISOLATORS ARE H.C.A.I. PRE-APPROVED No. OPM-0747-25
VIBREX TYPE: RMU-EQ-2

MARK	SPRING OD.	DEFL
1-6	2"	1.0

RMU-EQ-2



TIE DOWN STRAP DETAIL

CONNECTION DETAIL

M. W. SAUSSE & CO., INC.	JOB NAME:	QUAIL VALLEY HS	REVISIONS:	DRN:	TDT
28744 Whitherspoon Pkwy, Valencia, CA 91355	CUST.:		A: RMU TO RMUAB (8-12-26)	DATE:	1-12-22
Phone: (661) 257-3311 Fax: (661) 257-7673	CUST. P.O.:		B:	DRAWING NO.:	
Vibrex RMUAB-2	MECH. ENGR.:	OED	C:		-2A
	MARK:	AC-11,12,14-17,19-23	D:		

REGISTERED PROFESSIONAL ENGINEER — RACHAEL OF TREGLIA — No. S6131 — Exp. 9/30/27 — STRUCTURAL — STATE OF CALIFORNIA

05/21/2026

ISOLATOR MOUNTING DETAILS FOR AC-11,12, 14 TO 17, AND 19 TO 23

SCALE NONE | 1

REVISIONS	BY
1 ADDENDUM 01	VZ

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Anaheim, CA 92807
Telephone (714) 693-2277

ENGINEER

REGISTERED PROFESSIONAL ENGINEER — ABBY BANERJEE — No. M29253 Exp. 6/30/27 — MECHANICAL — STATE OF CALIFORNIA

ARCHITECT

LICENSED ARCHITECT — SMITH — NO. C-27546 REN. 6-2027 — STATE OF CALIFORNIA

PROJECT:
SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: MECHANICAL DETAILS

DATE: October 12, 2026
DRAWN: VZ
JOB: 501-21-0097
SHEET: **M8.2**

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O:\QEDN\2021\501-21-0097 - QUAIL VALLEY MS\MECH\ADD. 01\M8.2 DETAILS.DWG

SHEET SIZE: ARCH E (36"X42")
PLOT DATE: 10/12/2026 12:23:03 PM

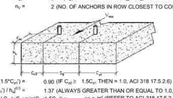
PULLOUT STRENGTH N_p = 0 lbs (ESR, TABLES 4 & 5)

$n = n_c$, or n_{sc}, whichever is greater = 0.00

$\Phi_{ea}\Psi_4 N_{p(n)} = \Phi_{ea}\Psi_4\left(\frac{A_{brg}}{A_{brg}}\right) =$ N/A lbs (ANCHOR PULLOUT STRENGTH, 4.1.4 OF ESR)

SHEAR BREAKOUT STRENGTH

d_a = 0.5 in (OUTSIDE DIAMETER OF ANCHOR BOLT OR ROD)
C_{a1} = 5 in (USE AT LEAST $C_{a1(n)}$ GIVEN IN TABLE 3 & 6 IN ESR; INCREASE IF NECESSARY)
C_{a2} = 5 in (USE AT LEAST $C_{a2(min)}$ & ≥ C_a GIVEN IN TABLE 3 & 6 IN ESR, INCREASE IF NECESSARY)
c_a = 2 in (MIN) h_a OR 6d_a) ACI-318 SECTION 17.5.2.2)
Ψ_{ec1} = 1 (ACI D.5.2.4, 1.0 WHEN NO LOAD ECCENTRICITY)
h_a = 4 in (THICKNESS OF CONCRETE MEMBER)
Φ_{sb} = 0.70 (SHEAR CONCRETE BREAKOUT STRENGTH REDUCTION; ESR TABLES 4 & 5)
k_{ac} = 1 (PRYOUT COEFFICIENT, ESR, TABLE 6)
Ψ_{c1} = 1.2 (1.0 FOR CONC. W/O REINFORCEMENT, 1.2 FOR CONC. W/ REINFORCEMENT, 1.4 SEE
C_{a1}' : 5 in (C_{a1} ADJUSTED WHEN C_{a2} & C_{a1} ARE LESS THAN 1.5C_{a1}, 17.5.2.4)
n_c = 2 (NO. OF ANCHORS IN ROW CLOSEST TO CONCRETE EDGE)



$\Psi_{ec1} = 0.7+0.3*C_{a2}/(1.5*C_{a1}) =$ 0.90 (IF $C_{a2} \geq$ 1.5C_{a1} THEN = 1.0, ACI 318 17.5.2.6)
$\Psi_{c1} = [1.5*C_{a1}) / h_a]^{0.5} \leq$ 1.37 (ALWAYS GREATER THAN OR EQUAL TO 1.0, 17.5.2.8)
$A_{Vc} = min[(h_a*1.5C_{a1}*2)+(w*(1.5C_{a1}/C_{a2})*3), min(C_{a1}*1.5C_{a1})^2 =$ 88.0 in^2 (REFER TO ACI-318 17.5.2.1)
$A_{Vco} = 4.5C_{a1}^2 =$ 225.0 in^2 (REFER TO ACI-318 17.5.2.1)

$V_b = \lambda_a * 7\left[\frac{l_e}{d_a}\right]^{0.2}\sqrt{d_a}\sqrt{f'_c}(C_{a1})^{1.5} =$ 3999.546 OR $V_b = 9\lambda_a\sqrt{f'_c}C_{a1}^{1.5} =$ 3511.352

$V_b =$ 3999.5 lbs

$V_{cb} = \frac{A_{Vc}}{A_{Vco}}\Psi_{ec1}\Psi_{c1}\Psi_{c2}V_b =$ N/A (MORE THAN ONE ANCHOR)

$V_{cbg} = \frac{A_{Vc}}{A_{Vco}}\Psi_{ec1}\Psi_{c1}\Psi_{c2}V_b =$ 2313.317 (VALUES ARE IN POUNDS)

$\Phi_{sb}V_{cbg} =$ 1619.322 lbs ← DESIGN SHEAR CONRETE STRENGTH

PRYOUT STRENGTH FROM SHEAR (ACI-318 SECTION 17.5.3.1)

$V_{cp} = k_{cp}*\Phi_{sb}N_{cb} =$ 1556.24 lbs ← DESIGN PRYOUT (DUE TO SHEAR) STRENGTH

CONTROLLING STRENGTH FOR ANCHORAGE

TENSILE STRENGTH -
STEEL = 8902.5 lbs
CONCRETE = 1556.2 lbs <= CONTROLLING STRENGTH → N_g
PULLOUT = N/A lbs
SIDE FACE BLOWOUT = 5899.7 lbs
SHEAR STRENGTH -
STEEL = 5424.25 lbs
CONCRETE = 1619.3222 lbs
PRYOUT FROM SHEAR = 1556.24 lbs <= CONTROLLING STRENGTH → V_g

ASD ADJUSTMENT FACTORS AND DESIGN LOADS

INPUT
α_N = 1.00 (ASD CONVERSION FACTOR IF APPLICABLE)
SEISMIC TENSION FACTOR ($\Phi_{(SEISMIC)}$) = 0.75 (PER SECTION 17.2.3.4.4, REDUCE TO 0.75 FOR SEISMIC DESIGN TENSION FOR CONC
$N_{sa} = \Phi_{(SEISMIC)}\Phi N_g/\alpha_N =$ **1167 lbs**
$V_{sa} = \Phi_V V_g/\alpha_N =$ **1556 lbs**

ENTER GIVEN BOLT FORCES FROM PA: C2
INPUT HERE → N_{ua} = 628.85 lbs; V_{ua} = 378.00 lbs

CHECK COMBINED LOADING (ESR SECTION 4.2)
$\frac{N_{ua}}{N_{sa}} + \frac{V_{ua}}{V_{sa}} = 0.76 \leq 1.2$ OK!

ANCHORAGE SUMMARY:
1/2 in DIAMETER
STAINLESS STEEL HILTI KB-TZ2 ANCHORS,
2.5 in NOMINAL EMBEDMENT,
5 in MIN. EDGE DISTANCE,
4 in MIN. CONCRETE THICKNESS
3000 psi NORMALWEIGHT CONCRETE
INSTALL W/ SPECIAL INSPECTION PER THE ICC ESR-4266.

JOB NAME: QUAIL VALLEY HS	M. W. SAUSSE' & CO., INC.
CUST.:	PREPARED BY: TDT
MECH. ENGR.: OED	DATE: 8-12-26
MARK: AC-7,8,9,10	SHEET NO.: -C2.3A

HILTI KB-TZ2 CARBON AND STAINLESS STEEL ANCHORS IN CONCRETE
(U.S. CUSTOMARY UNITS, ESR-4266 (REISSUED DECEMBER 2021) AND ACI-318-14, CH. 17)

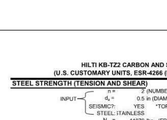
STEEL STRENGTH (TENSION AND SHEAR)

INPUT: d_a = 0.5 in (DIAMETER OF ANCHOR BOLT); n = 2 (NUMBER OF BOLTS PER ANCHOR POINT)
SEISMIC?: YES (*TOPSIDE OF DECK?: NO)
STEEL: ITAINLESS
N_{sa} = 11870 lbs (FROM TABLES 4 & 5)
V_{sa} = 8345 lbs (FROM TABLES 6 & 7
Φ_{ea} = 0.75 (TENSION STRENGTH REDUCTION FACTOR FOR DUCTILE STEEL; ACI-318 17.3.3)
Φ_{sv} = 0.65 (SHEAR STRENGTH REDUCTION FACTOR FOR DUCTILE STEEL; ACI-318 17.3.3)
$\Phi_{sa}N_{sa}$ = 8902.5 lbs (ACI 318, 17.4.1.2) – DESIGN STEEL TENSION STRENGTH
$\Phi_{sv}V_{sa}$ = 5424.25 lbs (ACI 318, 17.5.1.2) – DESIGN STEEL SHEAR STRENGTH

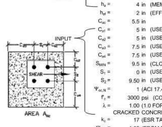
CONCRETE

CONCRETE BREAKOUT TENSION STRENGTH

INPUT: h_{min} = 2.5 in (NOMINAL EMBED., ESR TABLE 3 & 9)
h_a = 4 in (MEMBER THICKNESS, USE AT LEAST MIN. VALUES IN ESR, TABLE 3 OR 9)
h_{ef} = 2 in (EFFECTIVE EMBED., ESR TABLE 3 OR 9)
C_{a1} = 5.5 in $C_{a1(n)}$ = 2.75 h_{min} = 4.00 $s_{a(n)}$ = 3.00
C_{a1} = 5 in (USE AT LEAST $C_{a1(n)}$ GIVEN IN TABLE 3 & 9 IN ESR, INCREASE IF NECESS
C_{a2} = 5 in (USE AT LEAST $C_{a2(min)}$ & ≥ C_a GIVEN IN TABLE 3 & 9 IN ESR, INCREASE IF NECESS
C_{a2} = 7.5 in (USE AT LEAST $C_{a1(min)}$ & ≥ C_{a1} GIVEN IN TABLE 3 & 9 IN ESR, INCREASE IF NECESS
C_{a2} = 7.5 in (USE AT LEAST $C_{a2(min)}$ & ≥ C_{a2} GIVEN IN TABLE 3 & 9 IN ESR, INCREASE IF NECESS
S_{min} = 9.5 in (CLOSEST SPACING DIST. BETWEEN (2) ANCHORS IN THE ANCHOR GROUP)
S_1 = 0 in (USE AT LEAST S_{min} FROM TABLES 3 & 9, ENTER 0 IF SINGLE ANCHOR)
S_2 = 9.50 in (USE AT LEAST S_{min} FROM TABLES 3 & 9, ENTER 0 IF SINGLE ANCHOR)
$\Psi_{ec,Na}$ = 1 (ACI 17.4.2.4, 1.0 WHEN NO LOAD ECCENTRICITY)
f'_c = 3000 psi (CONCRETE COMPRESSIVE STRENGTH)
λ_a = 1.00 (1.0 FOR NW CONCRETE, 0.68 FOR STRUCTURAL SAND LW, 0.6 FOR ALL LW, 4.1.12 O
CRACKED CONCRETE CONDITION:
k_c = 17 (ESR TABLE 4 & 5)
$\Psi_{c,Na}$ = 1.00 (FROM ESR TABLE 4 & 5)
Φ_{sb} = 0.65 (PULLOUT/CONCRETE BREAKOUT STRENGTH REDUCTION; ESR TABLES 4 & 5)



h_a CHECK = h_a' = 2 in (IF 3 OR MORE EDGES ARE LESS THAN 1.5*h_{ef}, 17.4.2.3 OF THE, ACI-318)
SIDE$_{1a}$ = min(C_{a1},1.5h_{ef})+S_1+min(C_{a2},1.5h_{ef}) = 15.50 in (LENGTH OF SIDE PERPENDICULAR TO SHEAR / SMALLEST EDGE D
SIDE$_{1b}$ = min(C_{a1},1.5h_{ef})+S_1+min(C_{a2},1.5h_{ef}) = 6.00 in (LENGTH OF SIDE PARALLEL TO SHEAR / PERPENDICULAR TO CLC
A_{Nc} = SIDE$_1$ * SIDE$_2$ = 72.00 in^2 (PROJECTED FAILURE SURFACE AREA ACI-318 17.4.2.1)
A_{Nco} = $9(h_{ef})^2$ = 72.00 in^2 (PROJECTED FAILURE SURFACE AREA OF 1 ANCHOR, NO INFLUEN
$\Psi_{ed,Na}$ = 0.7+0.3*C_{a2}/(1.5*h_{ef}) = 1.00 (IF $C_{a2} \geq$ 1.5h_{ef} THEN = 1.0)



$\Psi_{cp,Na} = \frac{max(C_{a1}, 1.5h_{ef})}{C_{ac}} =$ 0.91 (ALWAYS ≤ 1.0)

$N_b = \lambda_a * k_c * \sqrt{f'_c} * h_{ef}^{1.5} =$ 2633.629 lbs

$N_{cb} = \frac{A_{Nc}}{A_{Nco}}\Psi_{ec,Na}\Psi_{ed,Na}\Psi_{cp,Na}N_b =$ N/A (MORE THAN ONE ANCHOR)

$N_{cbg} = \frac{A_{Nc}}{A_{Nco}}\Psi_{ec,Na}\Psi_{ed,Na}\Psi_{cp,Na}N_b =$ 2394.208 (VALUES ARE IN POUNDS)

$\Phi_{sb}N_{cbg} =$ 1556.235 lbs ← DESIGN CONRETE BREAKOUT TENSION STRENGTH

CHECK SIDE-FACE BLOWOUT

A_{brg} = 0.099 in^2 (BEARING AREA OF CONCRETE AT ANCHOR BOTTOM. USE A_{brg} FROM TABLES 4 & 5 f
HECK EDGE DISTANCE → C_{a1} < 0.4h_{ef} → 5 > 0.8
FOR SINGLE ANCHORS -
CHECK C_{a2} – C_{a1} < 3C_{a1} → 5 < 15

REDUCTION FACTOR FROM C_{a2} = $\frac{1+\sqrt{c'_{a2}/c_{a1}}}{4}$ = 0.5 → WHERE: 1.0 ≤ C_{a2}/C_{a1} ≤ 3.0 → TRUE!

$N_{sb} = \lambda_a * 160\ C_{a1}\sqrt{A_{brg}}\sqrt{f'_c} =$ 13786.95 lbs → REDUCED VALUE 6893.5 lbs (ACI 318, 17.4.4.1)

FOR MULTIPLE ANCHORS (GROUPS) -
CHECK BOLT SPACING → S < 6C_{a1} → 9.5 < 30

$N_{sbg} = \left(1+\frac{S}{6C_{a1}}\right)N_{sb} =$ 9076.409 lbs (ACI-318 17.4.4.2)

$\Phi_{sb}N_{sb}$ < $\Phi_{sb}N_{sbg}$ → 5899.7 lbs SIDE FACE BLOWOUT VALUE

JOB NAME: QUAIL VALLEY HS	M. W. SAUSSE' & CO., INC.
CUST.:	PREPARED BY: TDT
MECH. ENGR.: OED	DATE: 8-12-26
MARK: AC-7,8,9,10	SHEET NO.: -C2.2A

CALCULATIONS FOR RIGID ANCHORAGE - WIND LOADING (ASCE 7-16)

CALCULATE HORIZONTAL WIND FORCE (F IN LBS., DIMS. IN FT):
EXPOSURE CATEGORY: C
BUILDING HEIGHT (h): 4

FIND VELOCITY PRESSURE (q_h) = 0.00256*K_z*K_{zt}*K_d*V^2 (LB/FT^2)
VELOCITY EXPOSURE FACTOR (K_z) (TABLE 29.3-1): 0.85
TOPOGRAPHIC FACTOR K_{zt} = (1+$K_1K_2K_3$)^2 (EQ. 26.8-1)

K_1,K_2 AND K_3 FROM (FIGURE 26.8-1):
IF GROUND IS FLAT ENTER THE VALUE OF ZERO FOR ALL: K_1 = 0; K_2 = 0; K_3 = 0
K_{zt} = 1

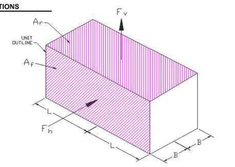
K_d (DIRECTIONALITY FACTOR, TABLE 26.10-1) = 0.85
OCCUPANCY/RISK CATEGORY = III
*(IF OVER WIND SPEED MAP SELECTION - SEE FIG. 26.5-1A TO 1C)
WIND VELOCITY (V IN MPH) = 102
VELOCITY PRESSURE (q_h) = 19.2

HORIZONTAL AND VERTICAL WIND LOADS FROM SECTION 29.5.1

HORIZONTAL LOAD:
(G_f) = 1.9 (REDUCEABLE, SEE SECTION 29.4.1)
A_f = 30.25 ft^2 (VERTICAL FACE OF EQUIPMENT NORMAL TO HORIZ. WIND PRESSURE)
(29.4-2) $F_h = q_h(G_f)A_f$ = 1106.0051 lbs

VERTICAL LOAD:
(G_f) = 1.5 (REDUCEABLE, SEE SECTION 29.4.1)
A_f = 36.41 ft^2 (HORIZONTAL FACE OF EQUIPMENT NORMAL TO VERT. WIND PRESSURE)
(29.4-3) $F_v = q_h(G_f)A_f$ = 1050.9695 lbs

DESIGN LOADS FOR ANCHORAGE CALCULATIONS
F_h = 1106.005 lbs
F_v = 1050.969 lbs



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CALCULATIONS FOR VIBREX TYPE RMU-EQ-SH VIBRATION ISOLATORS/SEISMIC RESTRAINTS - 2021 IBC/2022 CBC, LI

CALCULATES WORST CASE LOADING FOR (4) 1/4 ISOLATORS. (UNITS LBS & INCHES)
USING COMBINED LOAD EQUATIONS 16.0: U = 1.2D + 1.0E & 16-7: U = 0.9D + 1.0E

SEISMIC/WIND FORCES - CH. 13, 26, & 29 OF ASCE 7

13.3-2: $F_p = 0.4*a_p*S_{DS}*W_p*(1+2z/h)/(R_p/I_p)$ (MAX) =		2112.00 lbs
13.3-1: $F_p = 0.4*a_p*S_{DS}*W_p*(1+2z/h)/(R_p/I_p)$ (MIN) =		1980.00 lbs
13.3-3: $F_p = 0.3*S_{DS}*I_p*W_p$ (MIN) =		396.00 lbs
CONTROLLING HOR. SEISMIC FORCE: F_p =		1980.00 lbs
OVERTURNING MOMENT: M=F_p*H_{CG} =		39610.00 lb-in
* SUPP. VERT. SEISM. FORCE: $F_{ps} = 0.2S_{DS}W_p$ =		264.00 lbs
DESIGN SPECTRAL RESP. ACCELERATION: S_{DS} =		1.20
IMPORTANCE FACTOR: I_p =		1.00
COMPONENT AMPLIFICATION FACTOR: a_p =		2.50
COMP. RESPONSE MODIFICATION FACTOR: R_p =		2.00
EQUIPMENT ELEVATION / ROOF ELEVATION: z/h =		1.00
(WITH RESPECT TO GRADE)		
UNIT LOCATED INDOORS OR OUTDOORS =		OUTDOORS
F_v FROM PREVOUS CALCULATION (IF APPLICABLE) =		1106.01 lbs
F_v FROM PREVOUS CALCULATION (IF APPLICABLE) =		1050.97 lbs
WIND OVERTURNING MOMENT: M_o = F_vA_x =		27950.13 lb-in

EQUIPMENT WEIGHT & GEOMETRY

EQUIPMENT WEIGHT + STEEL BASE: Wp =		1100.00 lbs
L: =		42.00 in
B: =		32.50 in
E_x: =		4.20 in
E_z: =		3.25 in
HEIGHT TO CG: H_{CG} =		19.50 in
CNTR OF AREA OF WINDWARD FACE: H_w =		25.00 in
MAX SPRING REACTION =		250.00 lbs
NO. OF ISOLATORS (N): =		6.00

ISOLATOR FORCES (W/O I_p)

MOMENT OF INERTIA ABOUT X AXIS: I_x =		6337.50 in^4
MOMENT OF INERTIA ABOUT Z AXIS: I_z =		10584.00 in^4
x (DIR. OF VIB-CRIT. ANCHOR): tan-1(E_x/H_{CG}) =		37.73
z (DIR. OF VIB-CRIT. ANCHOR): tan-1(E_z/H_{CG}) =		37.73
0 =		0
0 =		0
θ (DIR. OF F_p, FOR MAX UPLIFT): tan-1((L_1)/($B*L_2$)) =		37.73

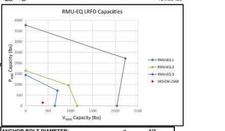
FROM SEISMIC LOADS (LOAD APPLIED TO CRITICAL ANGLE)
VERTICAL REACTIONS (WITH 1.0D OR 0.6D)

R_{vL} (DUE TO OVERTURNING MOMENT): =		250.36 lbs
R_{vEXH} (DUE TO ECCENTRICITY): =		52.80 lbs
R_{vEXL} (DUE TO ECCENTRICITY): =		24.20 lbs
R_{vEVC} (DUE TO VERTICAL LOADS): =		264.00 lbs
R_{vEVC} (DUE TO VERTICAL LOADS): =		121.00 lbs
P_{MAX} (MAX DOWNWARD REACTION): R_{vL}+R_{vEXH}+R_{vEXL} =		567.16 lbs
P_{MIN} (MAX UPLIFT/MIN. POINT - IF POS.): R_{vL}+R_{vEXH}-R_{vEXL} =		153.56 lbs
HORIZONTAL REACTIONS:		
V_{xE} (SHEAR DUE TO ECCENTRICITY): =		49.50 lbs
V_{xL} (DIRECT SHEAR): =		330.00 lbs
V_{MAX} (TOTAL SHEAR/ISOLATOR): =		379.50 lbs

FROM WIND LOADS (LOAD PERPENDICULAR TO UNIT LENGTH)
VERTICAL REACTIONS (WITH 1.0D OR 0.6D)

R_{vL} (DUE TO OVERTURNING MOMENT) =		141.80 lbs
R_{vEXH} (DUE TO ECCENTRICITY): =		52.80 lbs
R_{vEXL} (DUE TO ECCENTRICITY): =		44.00 lbs
R_{vEVC} (DUE TO VERTICAL LOADS): =		220.00 lbs
R_{vEVC} (DUE TO VERTICAL LOADS): =		-10 lbs
P_{MAX} (MAX DOWNWARD REACTION): R_{vL}+R_{vEXH}+R_{vEXL} =		414.60 lbs
P_{MIN} (R_{vL}+R_{vEXH}-R_{vEXL} IF NEGATIVE) =		195.96 lbs
HORIZONTAL REACTIONS:		
V_{MAX} = V_{xE} =		184.33 lbs





SELECT ISOLATOR → RMU-EQ-2

SEISMIC LOADS GOVERN THE DESIGN OF THE ISOLATOR? P_{MIN} = 153.56 lbs; V_{MAX} = 379.50 lbs

ISOLATOR SIZE IS ADEQUATE FOR SEISMIC AND WIND. PLOTTED LOAD POINT IS UNDER THE SELECTED ISOLATOR CAPACITY CURVE

ANCHOR BOLT FORCES (WITH I_p IF SEISMIC GOVERNS)

SEISMIC LOADS GOVERN THE DESIGN OF THE ANCHORS!!		
I_p PER ASCE 7-16, NOTE C, TABLE 13.6-1 =		**2.00**
P_{MIN} (MAX UPLIFT/MIN. POINT - IF POS.): $(L_1)R_{vL}$+R_{vEXH}-R_{vEXL} =		**403.31 lbs**
V_{MAX} (TOTAL SHEAR/ANCH. POINT): =		**759.00 lbs**
# OF ANCHOR BOLTS: =		2
ANCHOR BOLT TENSION DUE TO UPLIFT: T_1 =		201.66 lbs
ANCHOR BOLT TENSION DUE TO ISO. OVERTURNING: T_2 =		425.94 lbs
COMBINED ANCHOR BOLT TENSION: $N_{ua} = (T_1+T_2)$ =		628.89 lbs
ANCHOR BOLT SHEAR: V_{ua} = V_{MAX}/n =		379.50 lbs

ANCHOR BOLT DIAMETER: = 1/2
TYPE OF ANCHOR BOLT: STAINLESS STEEL HILTI KB-TZ2 ANCHOR
BOLT IN MIN. 3000psi: SEE SHEETS -C2.2 & C2.3

JOB NAME: QUAIL VALLEY HS	M.W. SAUSSE' & CO., INC.
CUST.:	PREPARED BY: TDT
MECH. ENGR.: OED	DATE: 8-12-26
MARK: AC-7,8,9,10	SHEET NO.: --C2A

PULLOUT STRENGTH N_p = 0 lbs (ESR, TABLES 4 & 5)

$n = n_c$, or n_{sc}, whichever is greater = 0.00

$\Phi_{ea}\Psi_4 N_{p(n)} = \Phi_{ea}\Psi_4\left(\frac{A_{brg}}{A_{brg}}\right) =$ N/A lbs (ANCHOR PULLOUT STRENGTH, 4.1.4 OF ESR)

SHEAR BREAKOUT STRENGTH

d_a = 0.5 in (OUTSIDE DIAMETER OF ANCHOR BOLT OR ROD)
C_{a1} = 5 in (USE AT LEAST $C_{a1(n)}$ GIVEN IN TABLE 3 & 6 IN ESR; INCREASE IF NECESSARY)
C_{a2} = 5 in (USE AT LEAST $C_{a2(min)}$ & ≥ C_a GIVEN IN TABLE 3 & 6 IN ESR, INCREASE IF NECESS
c_a = 2 in (MIN) h_a OR 6d_a) ACI-318 SECTION 17.5.2.2)
Ψ_{ec1} = 1 (ACI D.5.2.4, 1.0 WHEN NO LOAD ECCENTRICITY)
h_a = 4 in (THICKNESS OF CONCRETE MEMBER)
Φ_{sb} = 0.70 (SHEAR CONCRETE BREAKOUT STRENGTH REDUCTION; ESR TABLES 4 & 5)
k_{ac} = 1 (PRYOUT COEFFICIENT, ESR, TABLE 6)
Ψ_{c1} = 1.2 (1.0 FOR CONC. W/O REINFORCEMENT, 1.2 FOR CONC. W/ REINFORCEMENT, 1.4 SEE
C_{a1}' : 5 in (C_{a1} ADJUSTED WHEN C_{a2} & C_{a1} ARE LESS THAN 1.5C_{a1}, 17.5.2.4)
n_c = 2 (NO. OF ANCHORS IN ROW CLOSEST TO CONCRETE EDGE)



$\Psi_{ec1} = 0.7+0.3*C_{a2}/(1.5*C_{a1}) =$ 0.90 (IF $C_{a2} \geq$ 1.5C_{a1} THEN = 1.0, ACI 318 17.5.2.6)
$\Psi_{c1} = [1.5*C_{a1}) / h_a]^{0.5} \leq$ 1.37 (ALWAYS GREATER THAN OR EQUAL TO 1.0, 17.5.2.8)
$A_{Vc} = min[(h_a*1.5C_{a1}*2)+(w*(1.5C_{a1}/C_{a2})*3), min(C_{a1}*1.5C_{a1})^2 =$ 88.0 in^2 (REFER TO ACI-318 17.5.2.1)
$A_{Vco} = 4.5C_{a1}^2 =$ 225.0 in^2 (REFER TO ACI-318 17.5.2.1)

$V_b = \lambda_a * 7\left[\frac{l_e}{d_a}\right]^{0.2}\sqrt{d_a}\sqrt{f'_c}(C_{a1})^{1.5} =$ 3999.546 OR $V_b = 9\lambda_a\sqrt{f'_c}C_{a1}^{1.5} =$ 3511.352

$V_b =$ 3999.5 lbs

$V_{cb} = \frac{A_{Vc}}{A_{Vco}}\Psi_{ec1}\Psi_{c1}\Psi_{c2}V_b =$ N/A (MORE THAN ONE ANCHOR)

$V_{cbg} = \frac{A_{Vc}}{A_{Vco}}\Psi_{ec1}\Psi_{c1}\Psi_{c2}V_b =$ 2313.317 (VALUES ARE IN POUNDS)

$\Phi_{sb}V_{cbg} =$ 1619.322 lbs ← DESIGN SHEAR CONRETE STRENGTH

PRYOUT STRENGTH FROM SHEAR (ACI-318 SECTION 17.5.3.1)

$V_{cp} = k_{cp}*\Phi_{sb}N_{cb} =$ 1556.24 lbs ← DESIGN PRYOUT (DUE TO SHEAR) STRENGTH

CONTROLLING STRENGTH FOR ANCHORAGE

TENSILE STRENGTH -
STEEL = 8902.5 lbs
CONCRETE = 1556.2 lbs <= CONTROLLING STRENGTH → N_g
PULLOUT = N/A lbs
SIDE FACE BLOWOUT = 5899.7 lbs
SHEAR STRENGTH -
STEEL = 5424.25 lbs
CONCRETE = 1619.3222 lbs
PRYOUT FROM SHEAR = 1556.24 lbs <= CONTROLLING STRENGTH → V_g

ASD ADJUSTMENT FACTORS AND DESIGN LOADS

INPUT
α_N = 1.00 (ASD CONVERSION FACTOR IF APPLICABLE)
SEISMIC TENSION FACTOR ($\Phi_{(SEISMIC)}$) = 0.75 (PER SECTION 17.2.3.4.4, REDUCE TO 0.75 FOR SEISMIC DESIGN TENSION FOR CONC
$N_{sa} = \Phi_{(SEISMIC)}\Phi N_g/\alpha_N =$ **1167 lbs**
$V_{sa} = \Phi_V V_g/\alpha_N =$ **1556 lbs**

ENTER GIVEN BOLT FORCES FROM PA: -C1
INPUT HERE → N_{ua} = 511.90 lbs; V_{ua} = 284.63 lbs

CHECK COMBINED LOADING (ESR SECTION 4.2)
$\frac{N_{ua}}{N_{sa}} + \frac{V_{ua}}{V_{sa}} = 0.62 \leq 1.2$ OK!

ANCHORAGE SUMMARY:
1/2 in DIAMETER
STAINLESS STEEL HILTI KB-TZ2 ANCHORS,
2.5 in NOMINAL EMBEDMENT,
5 in MIN. EDGE DISTANCE,
4 in MIN. CONCRETE THICKNESS
3000 psi NORMALWEIGHT CONCRETE
INSTALL W/ SPECIAL INSPECTION PER THE ICC ESR-4266.

JOB NAME: QUAIL VALLEY HS	M. W. SAUSSE' & CO., INC.
CUST.:	PREPARED BY: TDT
MECH. ENGR.: OED	DATE: 8-12-26
MARK: AC-11,12,14-17,19-23	SHEET NO.: -C1.3A

HILTI KB-TZ2 CARBON AND STAINLESS STEEL ANCHORS IN CONCRETE
(U.S. CUSTOMARY UNITS, ESR-4266 (REISSUED DECEMBER 2021) AND ACI-318-14, CH. 17)

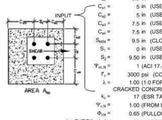
STEEL STRENGTH (TENSION AND SHEAR)

INPUT: d_a = 0.5 in (DIAMETER OF ANCHOR BOLT); n = 2 (NUMBER OF BOLTS PER ANCHOR POINT)
SEISMIC?: YES (*TOPSIDE OF DECK?: NO)
STEEL: ITAINLESS
N_{sa} = 11870 lbs (FROM TABLES 4 & 5)
V_{sa} = 8345 lbs (FROM TABLES 6 & 7
Φ_{ea} = 0.75 (TENSION STRENGTH REDUCTION FACTOR FOR DUCTILE STEEL; ACI-318 17.3.3)
Φ_{sv} = 0.65 (SHEAR STRENGTH REDUCTION FACTOR FOR DUCTILE STEEL; ACI-318 17.3.3)
$\Phi_{sa}N_{sa}$ = 8902.5 lbs (ACI 318, 17.4.1.2) – DESIGN STEEL TENSION STRENGTH
$\Phi_{sv}V_{sa}$ = 5424.25 lbs (ACI 318, 17.5.1.2) – DESIGN STEEL SHEAR STRENGTH

CONCRETE

CONCRETE BREAKOUT TENSION STRENGTH

INPUT: h_{min} = 2.5 in (NOMINAL EMBED., ESR TABLE 3 & 9)
h_a = 4 in (MEMBER THICKNESS, USE AT LEAST MIN. VALUES IN ESR, TABLE 3 OR 9)
h_{ef} = 2 in (EFFECTIVE EMBED., ESR TABLE 3 OR 9)
C_{a1} = 5.5 in $C_{a1(n)}$ = 2.75 h_{min} = 4.00 $s_{a(n)}$ = 3.00
C_{a1} = 5 in (USE AT LEAST $C_{a1(n)}$ GIVEN IN TABLE 3 & 9 IN ESR, INCREASE IF NECESS
C_{a2} = 5 in (USE AT LEAST $C_{a2(min)}$ & ≥ C_a GIVEN IN TABLE 3 & 9 IN ESR, INCREASE IF NECESS
C_{a2} = 7.5 in (USE AT LEAST $C_{a1(min)}$ & ≥ C_{a1} GIVEN IN TABLE 3 & 9 IN ESR, INCREASE IF NECESS
C_{a2} = 7.5 in (USE AT LEAST $C_{a2(min)}$ & ≥ C_{a2} GIVEN IN TABLE 3 & 9 IN ESR, INCREASE IF NECESS
S_{min} = 9.5 in (CLOSEST SPACING DIST. BETWEEN (2) ANCHORS IN THE ANCHOR GROUP)
S_1 = 0 in (USE AT LEAST S_{min} FROM TABLES 3 & 9, ENTER 0 IF SINGLE ANCHOR)
S_2 = 9.50 in (USE AT LEAST S_{min} FROM TABLES 3 & 9, ENTER 0 IF SINGLE ANCHOR)
$\Psi_{ec,Na}$ = 1 (ACI 17.4.2.4, 1.0 WHEN NO LOAD ECCENTRICITY)
f'_c = 3000 psi (CONCRETE COMPRESSIVE STRENGTH)
λ_a = 1.00 (1.0 FOR NW CONCRETE, 0.68 FOR STRUCTURAL SAND LW, 0.6 FOR ALL LW, 4.1.12 O
CRACKED CONCRETE CONDITION:
k_c = 17 (ESR TABLE 4 & 5)
$\Psi_{c,Na}$ = 1.00 (FROM ESR TABLE 4 & 5)
Φ_{sb} = 0.65 (PULLOUT/CONCRETE BREAKOUT STRENGTH REDUCTION; ESR TABLES 4 & 5)



h_a CHECK = h_a' = 2 in (IF 3 OR MORE EDGES ARE LESS THAN 1.5*h_{ef}, 17.4.2.3 OF THE, ACI-318)
SIDE$_{1a}$ = min(C_{a1},1.5h_{ef})+S_1+min(C_{a2},1.5$h_{

SHEET SIZE: ARCH E (36"x42")
PLOT DATE: 10/12/2026 12:23:09 PM

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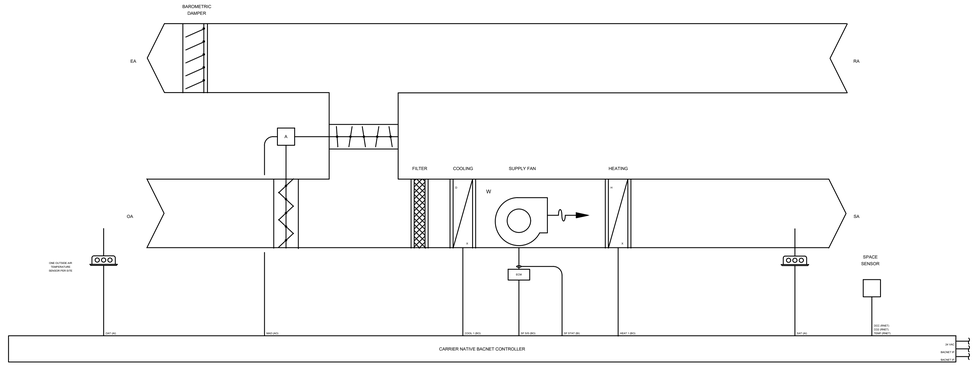
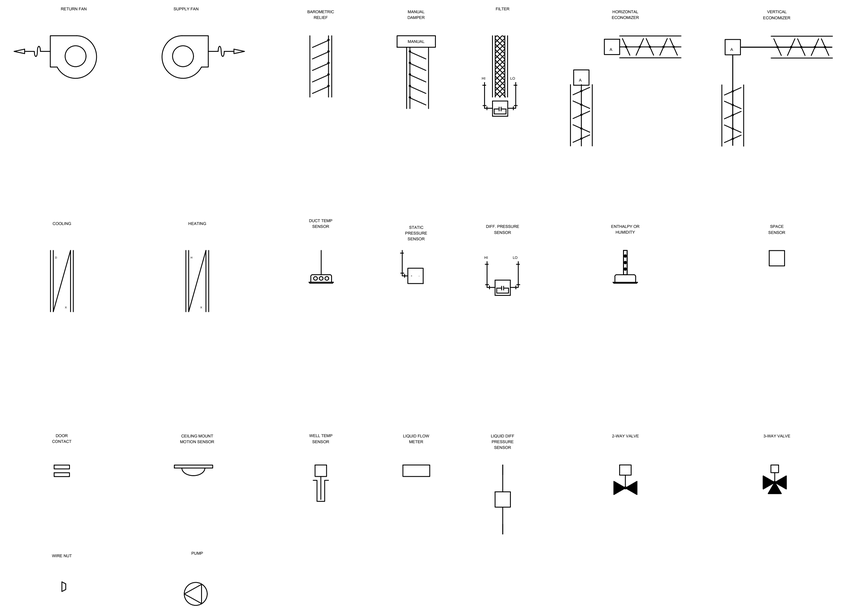


(1C/1H) EXISTING ROOF TOP UNIT DETAIL (AC-13)

SCALE NONE | 5

SYMBOL LEGEND



SYMBOL LEGEND

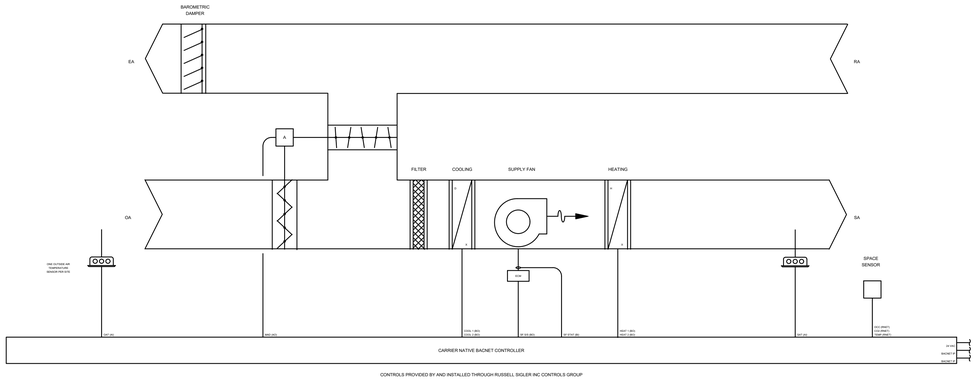
SCALE NONE | 3

GENERAL NOTES
1. THE COMMUNICATION CABLE AND SENSOR CABLES MUST ALWAYS BE IN A SEPARATE JACKET FROM ONE ANOTHER. NEVER RUN THESE CABLES IN THE SAME CONDUIT AS, OR BUNDLE THEM WITH, AC POWER WIRING OF ANY VOLTAGE. DO NOT STRAP THESE CABLES ALONG ANY CONDUITS THAT CONTAIN AC POWER WIRING OF ANY VOLTAGE. DO NOT RUN THESE CABLES IN RINGS OR CONDUIT WITH FIRE, LIFE, SAFETY, SECURITY, NETWORK, TELEPHONE, POWER, OR OTHER WIRING. WHEN RUNNING COMMUNICATION AND SENSOR WIRING PARALLEL TO OTHER CABLING OR CONDUIT MAINTAIN A 12 IN. DISTANCE.
2. ETHERNET AND/OR INTERNET CONNECTION TO I-VU ARE SUPPLIED AND MAINTAINED BY BUILDING OWNER/OPERATOR.

INSTALLATION COORDINATION NOTES
1. INSTALLER SHALL COORDINATE ALL POWER AND DATA CONNECTION REQUIREMENTS WITH THE GC ONSITE.
2. INSTALL ALL COMPONENTS IN ACCORDANCE WITH THE SPECIFICATION, APPLICABLE CODES AND MANUFACTURER'S LITERATURE

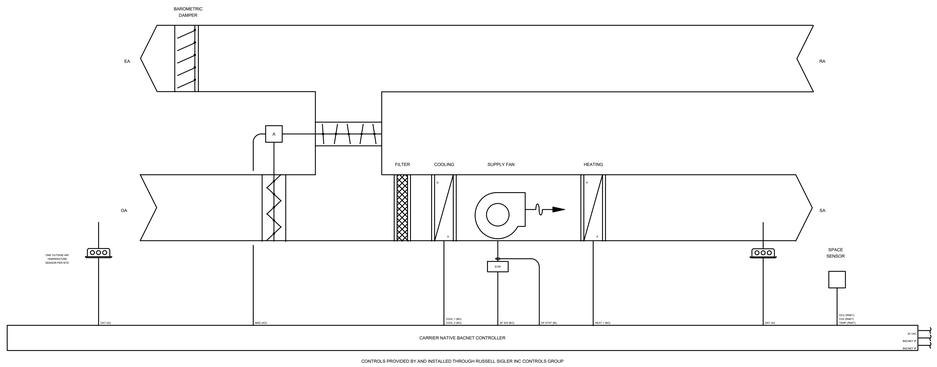
GENERAL INFORMATION

SCALE NONE | 2



(2C/2H) ROOFTOP UNIT DETAIL (AC-1,AC-2, AC-7 THRU AC-10, AC-12, AC-14 THRU AC-17, AC-21 THRU AC-23)

SCALE NONE | 4



(2C/1H) ROOF TOP UNIT DETAIL (AC-11, AC-19, AC-20)

SCALE NONE | 1

REVISIONS	BY
1 ADDENDUM 01	VZ

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LICENSED ARCHITECT
BASIL
NO. C-27546
REN. 6-2027
STATE OF CALIFORNIA

PROJECT:
SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
MECHANICAL DETAILS

DATE: October 12, 2026
DRAWN: VZ
JOB: 501-21-0097
SHEET: M9.1

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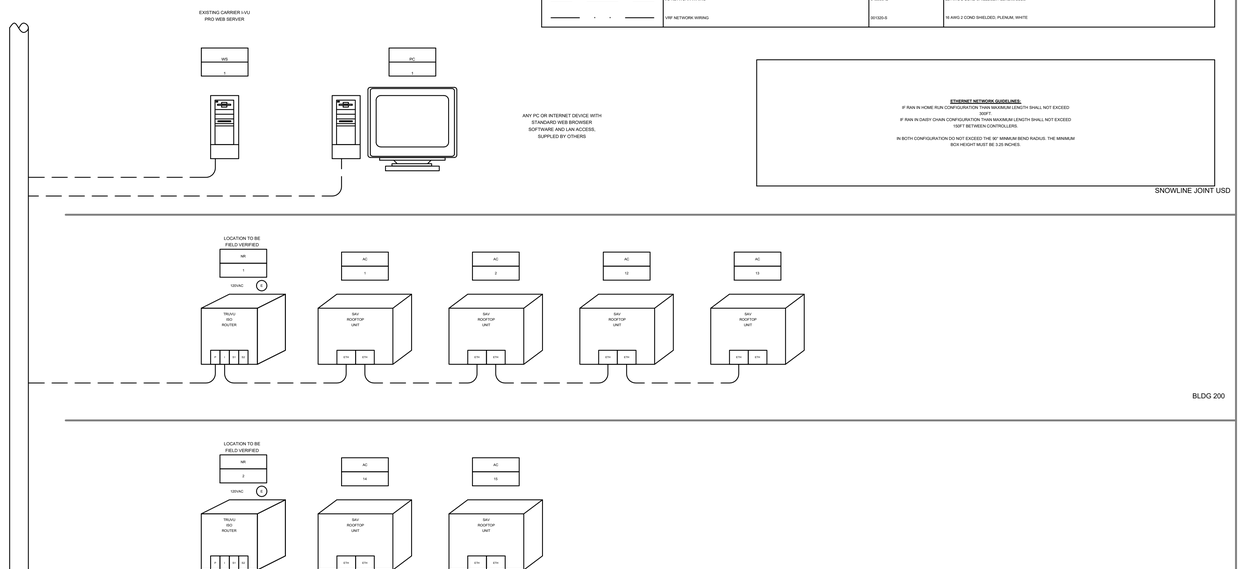
O:\OEDN\2021\501-21-0097 - QUAIL VALLEY MS\MECH\ADD 01\M9.1 DETAILS.DWG

SHEET SIZE: ARCH E (30"x42")
PLOT DATE: 10/12/2026 10:23:14 AM

WIRE LEGEND			
LINE STYLE	WIRE TYPE	PART NUMBER	DESCRIPTION
	LOCAL AREA NETWORK	006840	CAT6 NON-SHIELDED, PLENUM, ORG
	BACNET MS/TP NETWORK WIRING	042002-S	24 AWG 2 COND SHIELDED, PLENUM, ORANGE
	BURIAL BACNET MS/TP NETWORK WIRING	042007DB	24 AWG 2 COND SHIELDED, BURIAL, BLACK
	I/O NETWORK WIRING	042009AL	22 AWG 2 COND SHIELDED, PLENUM, BLUE
	VRF NETWORK WIRING	001200-S	16 AWG 2 COND SHIELDED, PLENUM, WHITE



BACS IP RISER DIAGRAM

SCALE NONE 2

1.0 SEQUENCES OF OPERATION

1.1 (1C/1H) ROOFTOP UNIT CONTROLLER

Indoor Fan

During Occupied periods, fan shall operate continuously. During Unoccupied periods, fan shall operate when the space temperature exceeds the unoccupied heating or cooling setpoints. The fan operates at one speed only and provides on/off operation.

Heating Mode

When space temperature is below the occupied heating setpoint, unit shall operate in the heating mode. Unit shall stage available heat stages to satisfy demand in the occupied space.

Cooling Mode

When space temperature is above occupied cooling setpoint, unit shall operate in the cooling mode. Unit shall enable available cooling stages to satisfy demand in the occupied space.

Economizer

Economizer shall close when fan is off or during a loss of power. During occupied hours, when fan is energized, the economizer shall open to adjustable minimum position. When outside air temperature is below 75 and occupied space requires cooling, economizer shall open. If economizer air is not sufficient to meet the demand in the occupied space, unit shall enable available cooling stages to satisfy demand in the occupied space.

The controller provides FDD (Fault Detection and Diagnostics) for economizer operation in compliance with California Title 24. The FDD logic detects 4 economizer faults:

- fails to close
- fails to open
- stuck fully open
- fails to fully open

Each condition causes an Economizer Operation alarm and displays the specific fault condition. The following must be true to enable the FDD logic:

- Controller must be in Economizer mode
- 30 minutes must elapse since the last time heating or cooling was active
- OAT must be < (OAT economizer lockout - 15°F)

CO2 Control

Unit shall monitor space CO2 when the supply fan is energized. When CO2 is above setpoint of 1000 PPM, economizer shall modulate open toward an adjustable maximum CO2 position. As the CO2 level in the space increases above the setpoint, the minimum positions of the dampers will be increased proportionally, until the maximum ventilation setting is reached. As the space CO2 level decreases because of the increase in fresh air, the outdoor-damper will follow the higher demand condition from the DCV mode or from the free-cooling mode.

1.2 (2C/1H) ROOFTOP UNIT CONTROLLER

Indoor Fan

During Occupied periods, the fan shall operate continuously. During Unoccupied periods, the fan shall operate when the space temperature exceeds the unoccupied heating or cooling setpoints. The fan operates at 1 of 2 speeds depending on the mode of operation and load conditions. During vent only mode and low load conditions, the fan operates at low speed. If load conditions increase or if there is a call for heating, the fan operates at high speed.

Heating Mode

When space temperature is below the occupied heating setpoint, unit shall operate in the heating mode. Unit shall stage available heat stages to satisfy demand in the occupied space.

Cooling Mode

When space temperature is above occupied cooling setpoint, unit shall operate in the cooling mode. Unit shall enable available cooling stages to satisfy demand in the occupied space.

Economizer

Economizer shall close when fan is off or during a loss of power. During occupied hours, when fan is energized, the economizer shall open to adjustable minimum position. When outside air temperature is below 75 and occupied space requires cooling, economizer shall open. If economizer air is not sufficient to meet the demand in the occupied space, unit shall enable available cooling stages to satisfy demand in the occupied space.

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1.3 (2C/2H) ROOFTOP UNIT CONTROLLER

Indoor Fan

During Occupied periods, the fan shall operate continuously. During Unoccupied periods, the fan shall operate when the space temperature exceeds the unoccupied heating or cooling setpoints. The fan operates at 1 of 2 speeds depending on the mode of operation and load conditions. During vent only mode and low load conditions, the fan operates at low speed. If load conditions increase or if there is a call for heating, the fan operates at high speed.

Heating Mode

When space temperature is below the occupied heating setpoint, unit shall operate in the heating mode. Unit shall stage available heat stages to satisfy demand in the occupied space.

Cooling Mode

When space temperature is above occupied cooling setpoint, unit shall operate in the cooling mode. Unit shall enable available cooling stages to satisfy demand in the occupied space.

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Economizer shall close when fan is off or during a loss of power. During occupied hours, when fan is energized, the economizer shall open to adjustable minimum position. When outside air temperature is below 75 and occupied space requires cooling, economizer shall open. If economizer air is not sufficient to meet the demand in the occupied space, unit shall enable available cooling stages to satisfy demand in the occupied space.

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SEQUENCES OF OPERATION

SCALE NONE 1

REVISIONS	BY
1 ADDENDUM 01	VZ

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ARCHITECT

LICENSED ARCHITECT — BASIL FRICK — No. C-27546 REN. 6-2027 — STATE OF CALIFORNIA

PROJECT:
SITE WORK RESTROOM & FIRE ALARM UPGRADES&
QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: MECHANICAL DETAILS

DATE: October 12, 2026
DRAWN: VZ
JOB: 501-21-0097
SHEET:

M9.2

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XREFS:
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GENERAL NOTES

1. THIS CONTRACTOR SHALL SUPPLY POWER TO AND MAKE CONNECTION TO ALL MOTORS AND EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS AS SHOWN ON THE MECHANICAL AND PLUMBING DRAWINGS, INCLUDING ALL FRACTIONAL HORSEPOWER MOTORS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE MECHANICAL AND PLUMBING DRAWINGS FOR DUCTS, LINES AND EQUIPMENT.

2. ALL COMMUNICATIONS WORK SHALL BE COORDINATED WITH THE COMMUNICATION SYSTEMS EQUIPMENT MANUFACTURER AND THE SCHOOL DISTRICT MAINTENANCE DEPARTMENT PRIOR TO ROUGH -IN AND INSTALLATION OF ANY AND ALL COMMUNICATION SYSTEM DEVICES AND RELATED CONDUIT AND WIRE.

3. THE CONTRACTOR SHALL SECURE AND PAY FOR PERMITS AND FEES NECESSARY FOR EXECUTION AND COMPLETION OF ELECTRICAL WORK, INCLUDING ALL CHARGES BY THE LOCAL GOVERNMENT AGENCIES AND THE UTILITY COMPANIES.

4. UNLESS OTHERWISE NOTED, MOUNTING HEIGHTS INDICATED ON ELECTRICAL OUTLETS ARE FROM FINISHED FLOOR TO CENTER OF OUTLETS.

5. NO CONDUIT SHALL BE RUN HORIZONTALLY IN CONCRETE FLOOR SLABS.

6. ALL FINAL CONNECTIONS TO OWNER-FURNISHED EQUIPMENT SHALL BE MADE BY THIS CONTRACTOR.

7. MEP COMPONENT ANCHORAGE NOTE

   ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30.

   1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
   2. TEMPORARY, OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING FLEXIBLE CABLE.
   3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENTS IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

   THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT THE ATTACHMENT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

   A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
   B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

   THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

   PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

   PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26

   THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER.), COPIES OFTHE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

   MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEM (E).

   MP☐MD☐PP☐E☒ - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECTS SPECIFIC NOTES AND DETAILS.

   MP☐MD☐PP☐E☐ - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #_____.

8. SHUT DOWN OF EXISTING ELECTRICAL SYSTEMS SERVING THE REST OF THE SCHOOL WILL NOT BE ALLOWED.

9. THIS CONTRACTOR SHALL COORDINATE ALL LINE AND LOW VOLTAGE COMPONENTS AND WIRING TYPES TO, MATCH EXISTING SYSTEMS, WITH THE SCHOOL DISTRICT PRIOR TO BID AND INCLUDE ALL COSTS FOR A COMPLETE OPERABLE SYSTEM EXPANSION.

10. ALL EXPOSED CONDUIT SHALL BE PAINTED TO MATCH EXISTING FINISH.

11. THE NUMERAL(S) SHOWN AT TOP LIGHT FIXTURE IDENTIFICATION SYMBOL WHICH INDICATES NUMBER OF LIGHT FIXTURES REQUIRED SHALL NOT BE USED BY THE CONTRACTOR FOR HIS QUANTITY TAKE-OFF AT BIDDING OR FOR DETERMINATION OF HOW MANY FIXTURES WILL BE INSTALLED. THE CONTRACTOR SHALL INSTALL A LIGHT FIXTURE WHEREVER A FIXTURE OUTLET IS SHOWN ON DRAWINGS.

12. IDENTIFICATION NAME PLATES FOR PANELS AND SWITCHBOARDS/DISTRIBUTION PANEL FEEDER CIRCUIT BREAKERS SHALL MATCH THE NOMENCLATURE PROVIDED BY THE OWNER AT THE END OF THE CONTRACT.

13. ALL EXTERIOR MOUNTED EQUIPMENT SHALL BE WEATHERPROOF AND PROVIDED IN A WEATHERPROOF ENCLOSURE.

14. INSTALL RACEWAY SYSTEMS AS FOLLOWS:

   A. RIGID GALVANIZED STEEL IN ALL OUTDOOR LOCATIONS AND IN INDOOR LOCATIONS WHERE SUBJECT TO PHYSICAL DAMAGE.

   B. I.M.C. OR E.M.T. IN ALL INDOOR AREAS.

   C. FLEXIBLE METAL CONDUIT FOR FINAL CONNECTIONS TO LIGHT FIXTURES, MOTORS, VIBRATING ELECTRICAL EQUIPMENT AND HORIZONTAL RUNS IN WOOD STUD WALLS.

   D. PVC CONDUIT FOR UNDERSGROUND RUNS, USE 20 MIL PVC TAPED RIGID STEEL RISER ELBOWS AND RISERS FOR CONDUIT STUB-UPS.

   E. USE COMPRESSION TYPE FITTINGS FOR ALL METALLIC CONDUIT.

   F. 1" CONDUIT MINIMUM FOR UNDERGROUND INSTALLATIONS.

15. ALL NEW WIRING SHALL BE COPPER.

16. PROVIDE THE OWNER AND THIS ENGINEER WITH ONE SET OF ELECTRICAL "AS-BUILTS" AT THE COMPLETION OF JOB.

17. CONDUIT ROUTING INDICATED ON THESE PLANS IS DIAGRAMMATIC. ACTUAL ROUTING OF CONDUITS SHALL BE COORDINATED IN THE FIELD TO AVOID INTERFERENCE WITH OTHER UTILITIES AND TRADES. THE CONTRACTOR SHALL INSTALL ALL CONDUIT, JUNCTION/PULL BOXES, ETC., AS REQUIRED FOR A COMPLETE SYSTEM IN FULL COMPLIANCE WITH ALL APPLICABLE CODES.

18. ALL OUTLET LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION.

19. EXACT LOCATION OF ALL CEILING MOUNTED DEVICES SHALL BE AS INDICATED ON THE ARCHITECTURAL REFLECTED CEILING PLANS.

20. ELECTRICAL CONTRACTOR SHALL PERFORM ALL WORK IN STRICT ACCORDANCE WITH GOVERNING CODES.

21. ALL EQUIPMENT SHALL BE NEW AND BEAR A "UL" LABEL - U.O.N..

22. COMPLETE ELECTRICAL INSTALLATION SHALL BE GUARANTEED IN WRITING FOR A PERIOD OF (1) YEAR - U.O.N..

23. ELECTRICAL CONTRACTOR SHALL VISIT SITE PRIOR TO BID DATE, TO VERIFY ALL EXISTING CONDITIONS TO BE ENCOUNTERED IN THE INSTALLATION OF ALL NEW EQUIPMENT, FIXTURES DEVICES, FEEDERS, ETC., EXACT INSTALLATION METHOD AND REQUIREMENTS SHALL BE VERIFIED AND DETERMINED PRIOR TO BID DATE. CONTRACTORS SHALL IMMEDIATELY NOTIFY THIS ENGINEER OF ANY REQUIRED MODIFICATIONS WHICH ARE NOT SHOWN ON THESE DRAWINGS. SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED.

24. ALL EQUIPMENT ELECTRICAL CHARACTERISTICS, LOCATIONS, AND CONNECTION REQUIREMENTS SHALL BE VERIFIED PRIOR TO ANY ROUGH-IN WORK.

25. ALL POWER AND LIGHTING BRANCH CIRCUITS SHALL BE INSTALLED WITH A #12 GREEN GROUND WIRE U.O.N.. THE COMPLETE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH ARTICLE 250 OF THE CALIFORNIA ELECTRICAL CODE (CEC).

26. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO DO ALL CORING, CUTTING, PATCHING AND REFINISHING OF WALLS AND SURFACES WHEREVER IT IS NECESSARY FOR HIM TO PENETRATE FOR HIS WORK. ALL OPENINGS MADE SHALL BE SEALED TO MEET THE RATED INTEGRITY OF THE PARTICULAR WALL, FLOOR OR CEILING.

27. THE CONTRACTOR SHALL STRATEGICALLY LOCATE JUNCTION BOXES AND PULL BOXES, ETC., IN ACCESSIBLE CEILING SPACES. PROVIDES ACCESS PANELS WHERE JUNCTION/PULL BOXES ARE LOCATED IN INACCESSIBLE CEILING SPACES. COORDINATE LOCATION OF REQUIRED ACCESS PANELS PRIOR TO ROUGH-IN.

28. ALL WIRING AND ELECTRICAL EQUIPMENT INSTALLED FOR MECHANICAL AND PLUMBING EQUIPMENT SHALL BE IN ACCORDANCE WITH THESE DRAWINGS AND THE WIRING DIAGRAMS OF THE MECHANICAL AND PLUMBING DRAWINGS.

29. UNLESS SPECIFICALLY SHOWN ON THESE PLANS NO STRUCTURAL MEMBER SHALL BE CUT, DRILLED, NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DISTRICT STRUCTURAL ENGINEER FROM THE DIVISION OF THE STATE ARCHITECT.

DEMOLITION NOTES

1. ALL ELECTRICAL EQUIPMENT, OUTLETS, DEVICES, ETC., THAT ARE MARKED FOR DELETION SHALL BE REMOVED COMPLETELY, INCLUDING CONDUIT AND WIRES BACK TO THE LAST REMAINING FIXTURE, OUTLET, DEVICE, ETC.

2. WHERE EXISTING OUTLET/DEVICES TO REMAIN ARE FED BY OUTLETS BEING REMOVED BY WORK UNDER THIS CONTRACT, THE CONTRACTOR SHALL ROUTE NEW CONDUIT, WIRE, ETC., AS REQUIRED TO MAINTAIN THE SUBJECT OUTLETS IN OPERATION.

3. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO REMOVAL OF EXISTING ELECTRICAL/LOW VOLTAGE EQUIPMENT AND TURN OVER REMOVED EQUIPMENT THAT THE OWNER REQUESTS, IN AS-FOUND CONDITION. EQUIPMENT THAT IS TO BE TURNED OVER SHALL BE BOXED AND TAGGED TO IDENTIFY THE SPECIFIC EQUIPMENT.

4. ALL EXISTING CONDUITS WITHIN PROJECT AREA FOR LIGHTING FIXTURES, RECEPTACLES, OTHER BRANCH CIRCUITS LOADS AND COMMUNICATIONS/SIGNAL SYSTEMS, WHETHER SHOWN ON PLANS OR NOT, SHALL BE A PART OF THIS CONTRACT.

5. IN GENERAL, THE DEMOLITION PLAN SHOWS EXISTING EQUIPMENT THAT IS TO REMAIN, BE REMOVED OR REMOVED AND RELOCATED. HOWEVER, ELECTRICAL EQUIPMENT WHETHER SHOWN ON THIS DRAWING OR NOT, THAT IS LOCATED IN A REMOVED WALL OR CEILING, SHALL BE REMOVED UNLESS OTHERWISE NOTED.

6. WHERE EXISTING EQUIPMENT IS REMOVED BY WORK UNDER THIS CONTRACT, EXISTING CONDUIT FEEDS UP THROUGH FLOOR/ROOF SHALL BE CUT OFF AND PLUGGED FLUSH WITH FLOOR AND CONDUCTORS REMOVED FROM THAT POINT BACK TO THE LAST OUTLET REMAINING IN SERVICE. WHERE THE SUBJECT CONDUIT FEEDS OUTLETS/ DEVICES REMAINING IN OPERATION THE CONTRACTOR SHALL REROUTE THE SUBJECT CONDUIT AND CONDUCTORS AS REQUIRED TO MAINTAIN OPERATION OF SUCH CIRCUITS/SYSTEMS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND DIMENSION ALLSUCH CONDUITS ON THE "RECORD" DRAWINGS.

7. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO MAINTAIN CONTINUITY OF ALL ELECTRICAL AND COMMUNICATION SYSTEMS, EQUIPMENT, ETC., REMAINING IN OPERATION. MAINTAINING CONTINUITY SHALL CONSIST OF RE-ROUTING CONDUIT, WIRE, ETC., AS REQUIRED TO MAINTAIN THE SUBJECT SERVICES IN OPERATION.

8. EXISTING CIRCUITS THAT ARE REMOVED AND NOT RE-USED SHALL BE IDENTIFIED ON THE PANEL SCHEDULE AS "SPARE".

9. REFER TO GENERAL NOTES, THIS SHEET, FOR ADDITIONAL REQUIREMENTS.

SYMBOL LIST

- CONDUIT RUN, CONCEALED IN CEILING, WALLS OR UNDER FLOOR 3/4" MIN.
- CONDUIT RUN, UNDERGROUND.
- CONDUIT STUBBED OUT AND CAPPED. PULL LINE IN PLACE.
- CONDUIT RUN CONTINUES.
- FLEXIBLE CONDUIT, SEALTITE WHERE EXPOSED TO WEATHER. REFER TO SPECIFICATIONS FOR USE.
- CONDUIT TURNED DOWN.
- CONDUIT TURNED UP.
- #10 — CROSS LINES ON CONDUIT RUNS INDICATE NUMBER OF #12 WIRES CONTAINED THEREIN. TWO #12 ARE INDICATED WHEN CROSS LINES ARE NOT SHOWN. NUMERALS ADJACENT TO CROSS LINES ON CONDUIT RUNS INDICATE SIZE OF CONDUCTORS IN LIEU OF #12.
- B-1,3 — CONDUIT HOME RUN TO PANELBOARD. LETTER AND NUMERALS INDICATES ELECTRICAL PANEL AND CIRCUIT NUMBER.
- BRANCH CIRCUIT PANEL, MOUNTING AS SHOWN ON SCHEDULES.
- MOLDED CASE CIRCUIT BREAKER (SINGLE LINE DIAGRAM).
- AT — CIRCUIT BREAKER AMPERE TRIP RATING (SINGLE LINE DIAGRAM).
- GROUND.
- DW — 3/4"C. WITH 2/C#18 CLASS 2 DATA WIRE PER SWITCH LEG (DIMMING CONTROLS). QUANTITY OF CROSS TICKS REPRESENT QUANTITY OF SWITCH LEGS WITHIN CONDUITS.
- E — EXISTING CONDUIT AND CONDUCTORS TO REMAIN.
- EX — EXISTING CONDUIT TO BE RE-USED. CONDUCTORS TO BE DISCONNECTED AND REMOVED.
- EA — EXISTING CONDUIT TO BE ABANDONED IN PLACE. CONDUCTORS TO BE DISCONNECTED AND REMOVED.
- ER — EXISTING CONDUIT AND CONDUCTORS TO BE DISCONNECTED AND REMOVED.
- EN — EXISTING CONDUIT WITH NEW CONDUCTORS.
- (E) EXISTING EQUIPMENT TO REMAIN IN OPERATION.
- (N) NEW EQUIPMENT.
- (R) EXISTING EQUIPMENT TO DISCONNECTED AND REMOVED.
- (RR) EXISTING EQUIPMENT TO REMOVED AND RELOCATED.
- (EN) EXISTING EQUIPMENT IN NEW LOCATION.
- CTB COMMUNICATION TERMINAL BACKBOARD.
- WP WEATHERPROOF.
- K — SECURITY KEY PAD WITH 4" SQUARE BACK-BOX, 1-GANG PLASTER RING AND 3/4" CONDUIT STUB-UP INTO ACCESSIBLE CEILING.
- TSM — TEACHER STATION OUTLET. NUMERAL INDICATES THE TYPE OF TEACHERS STATION.
- MD — SECURITY SYSTEM MOTION DETECTOR.
- SECURITY DOOR CONTACT.
- CLOCK WITH 4" SQUARE BACK-BOX, 1-GANG PLASTER RING AND 3/4" CONDUIT STUB-UP INTO ACCESSIBLE CEILING.
- S — CEILING MOUNTED SPEAKER IDENTIFICATION SYMBOL.
- TV — TELEVISION OUTLET CONSISTING OF ONE 4" SQUARE OUTLET BOX WITH TWO 1" CONDUIT STUB-UPS INTO THE ACCESSIBLE CEILING. MOUNTED AT +18" A.F.F.U.O.N. WHERE INDICATED ON PLAN TO BE LOCATED IN THE TEACHING WALL MOUNT THE OUTLET AT +48" A.F.F. OUTLET SHALL CONSIST OF ONE (1) RG6 COAX CABLE DROP TERMINATED ON A WALL-TAP, (1) CAT 5e DATA CABLE DROP TERMINATED ON AN RJ45 CONNECTOR AND (1) CAT 3 VOICE CABLE DROP TERMINATED ON AN RJ45 JACK. PROVIDE WHITE WALL PLATE TO MATCH THE WALL TAP/CONNECTOR CONFIGURATION DESCRIBED HEREIN.
- J — JUNCTION BOX.
- S_C — CEILING MOUNTED SPEAKER IDENTIFICATION SYMBOL.
- D_1 — DATA OUTLET CONSISTING OF ONE EXTRA DEEP 4 11/16" SQUARE OUTLET BOX WITH (2) 1"C. STUB-UP INTO ACCESSIBLE CEILING, MOUNTED AT +15" A.F.F. TO BOTTOM OF BOX U.O.N. PROVIDE OUTLET WITH TWO (2)"CAT 6" DATA CABLE DROPS TERMINATED ON RJ45 JACKS. A NUMERAL ADJACENT TO THE DATA OUTLET INDICATES THE QUANTITY OF CAT 6 CABLES TO BE PROVIDED AND TERMINATED IN LIEU OF TWO (2) CABLES.
- CLOSED CIRCUIT TV SYSTEM CAMERA.
- WAP — WIRELESS ACCESS POINT PROVIDED WITH TWO (2) CAT 6 CABLES..
- VM — VIDEO MONITOR OUTLET. FLUSH IN WALL WITH 4" SQUARE BACK-BOX, 1-GANG PLASTER RING AND 3/4" CONDUIT STUB-UP INTO ACCESSIBLE CEILING SPACE. WALL PLATE AND DEVICE TO BE PROVIDED AND INSTALLED BY THE LON VOLTAGE CONTRACTOR. MOUNTED AT +84".
- EXTERIOR SPEAKER IDENTIFICATION SYMBOL.
- WS — WALL MOUNTED SPEAKER IDENTIFICATION SYMBOL.
- ELECTRICAL NOTE CALLOUT IDENTIFICATION SYMBOL.
- X / E4.X — ELECTRICAL DETAIL CALLOUT IDENTIFICATION SYMBOL.
- SCP — SECURITY CONTROL PANEL
- AC / 1 — HVAC EQUIPMENT DESIGNATION. SEE MECHANICAL PLANS.
- P — PROJECTOR
- CS — COMBINATION (SPEAKER/CLOCK)
- IC — INTERCOM OUTLET. FLUSH IN WALL WITH 4" SQUARE BACK-BOX, 1-GANG PLASTER RING AND 3/4" CONDUIT STUB-UP INTO ACCESSIBLE CEILING.

APPLICABLE CODES
ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS AND REGULATIONS, AND THE REQUIREMENTS OF THE CALIFORNIA CODE OF REGULATIONS (C.C.R.), TITLE 24, INCLUSIVE OF:
2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), C.C.R. TITLE 24, PART 1
2019 CALIFORNIA BUILDING CODE (CBC), C.C.R. TITLE 24, PART 2, (2018 INTERNATIONAL BUILDING CODE, VOL 1 & 2, AND 2019 CALIFORNIA AMENDMENTS.)
2019 CALIFORNIA ELECTRICAL CODE (CEC), C.C.R. TITLE 24, PART 3, (2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS.)
2019 CALIFORNIA MECHANICAL CODE (CMC), C.C.R. TITLE 24, PART 4, (2018 IAPMO UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS.)
2019 CALIFORNIA PLUMBING CODE (CPC), C.C.R. TITLE 24, PART 5, (2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS.)
2019 CALIFORNIA ENERGY CODE, C.C.R. TITLE 24, PART 6.
2019 CALIFORNIA FIRE CODE (CFC), C.C.R. TITLE 24, PART 9, (2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS.)
2019 CALIFORNIA EXISTING BUILDING CODE, C.C.R. TITLE 24, PART 10, (2018 INTERNATIONAL EXISTING BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS.)
2019 CALIFORNIA GREEN BUILDING STANDARDS CODE(CALGREEN), PART 11, TITLE 24, C.C.R.
2019 CALIFORNIA REFERENCED STANDARDS CODE, C.C.R. TITLE 24, PART 12.
TITLE 19 C.C.R. PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS.
2016 ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS (PER 2019 CBC PART 2 CH 35).
NOTE: CAL/OSHA ELEVATOR UNIT ENFORCES C.C.R. TITLE 8 AND USES THE 2004 ASME A17.1 BY ADOPTION.
2016 NFPA 72.

WALL LEGEND

- (E) 6" x 16 GA. STEEL STUD WALLS TO REMAIN.
- (E) WALL TILE ON A 2" FULL SETTING BED, PROTECT IN PLACE.
- (N) WALL TILE ON A 2" FULL SETTING BED, SEE PROJECT MANUAL.
- (E) 8x8x16 CONCRETE BLOCK WALL, PROTECT IN PLACE.
- (N) 8x8x16 CONCRETE BLOCK WALL, SEE

REFERENCES & ABBREVIATIONS

⊖	DETAIL REFERENCE	MCB	MAIN CIRCUIT BREAKER
1	KEYNOTE REFERENCE	FLA	FULL LOAD AMPS
A.F.F.	ABOVE FINISH FLOOR	C.	CONDUIT
U.O.N.	UNLESS OTHERWISE NOTED	V.	VOLTS
C.O.	CONDUIT ONLY W/PULL ROPE	A	AMPS
WP	WEATHER PROOF	GND	GROUND
CU.	COPPER	V.L.	VERIFY LOCATION
M.L.O.	MAIN LUGS ONLY	A.G.	ABOVE COUNTER
E or (E)	EXISTING TO REMAIN	N.L.	NIGHT LIGHT
GFI	GROUND FAULT INTERRUPTER	EM.	EMERGENCY
(E) B.P.A.	EXISTING BACK FLOW ASSEMBLY TO REMAIN	(E) D.C.D.A.	EXISTING DOUBLE CHECK DETECTOR ASSEMBLY TO REMAIN
(E) P.I.V.	EXISTING POST INDICATOR VALVE OF GYMNASIUM TO REMAIN	(E) F.H.	EXISTING FIRE HYDRANT TO REMAIN
(E) F.D.C.	EXISTING FIRE DEPARTMENT CONNECTION OF GYMNASIUM TO REMAIN		

REVISIONS	BY
1 ADDENDUM 01	MS

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LICENSED ARCHITECT — BASTIAN — LIC. C-27546 — REN. 6-2027 — STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: GENERAL NOTES AND SYMBOL LIST

DATE: March 2026
DRAWN: LS / MS / DA
JOB: SJ21-01
SHEET: **E0.1**

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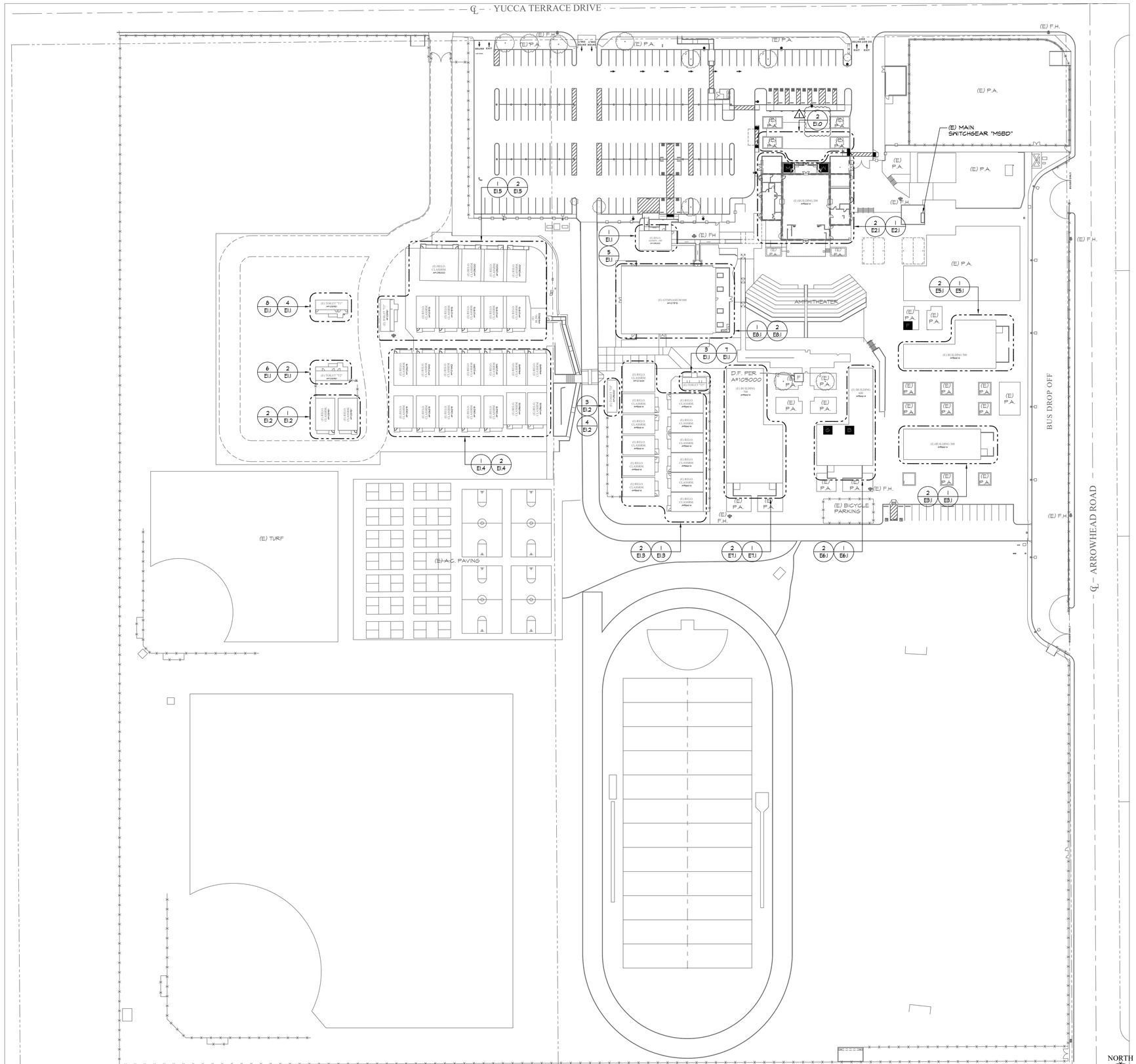
ADDENDUM 1, EXHIBIT "B"



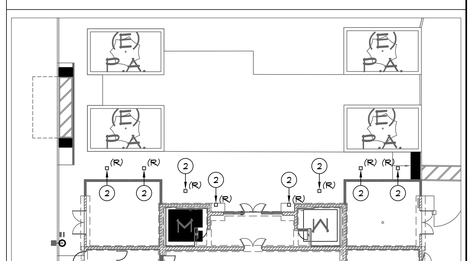
PLAN NOTES:

1. REFER TO GENERAL NOTES AND DEMOLITION NOTES, DRAWING E0.1, FOR ADDITIONAL REQUIREMENTS.
2. ALL CONDUCTORS SERVING THE INGROUND LIGHTS SHALL BE DISCONNECTED AND REMOVED BACK TO SOURCE PANEL. EXISTING CONDUIT SHALL BE ABANDONED IN PLACE.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL NOTE THAT THE DRAWING IS DIAGRAMMATIC. EXACT ROUTING OF EXISTING CONDUITS AND LOCATION OF EXISTING JUNCTION BOXES, DISCONNECT SWITCHES, AND PULL BOXES SHALL BE COORDINATED AND DETERMINED IN THE FIELD.
2. ALL DATA CABLES SERVING THE REMODEL AREA, WHETHER IDENTIFIED ON PLAN OR NOT, SHALL BE TRACED AND IDENTIFIED PRIOR TO START OF THE DEMOLITION PHASE. DATA CABLES AFFECTED BY THE REMODEL THAT SERVE AREAS OF THE BUILDING THAT ARE NOT A PART OF THE REMODEL SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. INTERRUPTION OF DATA SERVICE WILL NOT BE ALLOWED.
3. ALL CIRCUITS SERVING THE REMODEL AREA, WHETHER IDENTIFIED ON PLAN OR NOT, SHALL BE TRACED AND IDENTIFIED PRIOR TO START OF THE DEMOLITION PHASE. CIRCUITS AFFECTED BY THE REMODEL THAT SERVE AREAS OF THE BUILDING THAT ARE NOT A PART OF THE REMODEL SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. INTERRUPTION OF SERVICE WILL NOT BE ALLOWED.
4. THE CONTRACTOR SHALL NOTE THAT THE DRAWING IS DIAGRAMMATIC. EXACT ROUTING OF NEW CONDUITS AND LOCATION OF JUNCTION BOXES AND PULL BOXES SHALL BE COORDINATED AND DETERMINED IN THE FIELD. NEW CONDUIT, JUNCTION BOXES AND PULL BOXES SHALL BE ROUTED / PLACED IN SUCH A MANNER AS TO ADHERE TO ALL APPLICABLE CODES AND TO AVOID INTERFERENCE WITH EXISTING BUILDING STRUCTURES, UTILITIES AND THE WORK BEING PERFORMED BY OTHER TRADES. ALL EXTERIOR CONDUIT, FITTINGS, JUNCTION BOXES AND PULL BOXES TO BE WEATHER PROOF TYPE, NEMA 3R.
5. CONTRACTOR SHALL ROUTE ALL NEW ELECTRICAL CONDUITS IN THE SAME ROUTE AS ANY NEW REFRIGERATION PIPING. CONTRACTOR TO COORDINATE WITH THE MECHANICAL AND PLUMBING DRAWINGS PRIOR TO START OF WORK TO DETERMINE EXACT ROUTE.
6. CONTRACTOR SHALL CONCEAL ALL NEW SURFACE MOUNTED CONDUITS ON EXISTING BUILDINGS WITH A SHEET METAL STRUCTURE. SHEET METAL STRUCTURE SHALL BE PAINTED TO MATCH THE EXISTING BUILDING OR SURFACE THE NEW CONDUITS ARE ATTACHED TO. ENTIRE LENGTH OF NEW CONDUITS TO BE CONCEALED.

OVERALL SITE PLAN — SCALE: 1" = 50' — 1



ENLARGED SITE PLAN — SCALE: 1" = 20' — 2

REVISIONS	BY
ADDENDUM 01	MS

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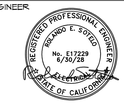

ARCHITECT



PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES
@ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: OVERALL SITE PLAN

DATE: March 2026
DRAWN: LS / MS / DA
JOB: SJ21-01
SHEET: **E1.0**

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ADDENDUM 1, EXHIBIT "B"

FIRE ALARM SYMBOL LIST

SYMBOL	MFG.	PART NO.	DESCRIPTION	BACKBOX/BASE	MNTG. HEIGHT/DETAILS	CSFM LISTING NO.
FACP	NOTIFIER	NFS2-3030	FIRE ALARM CONTROL PANEL WITH DVC, EVAC PANEL	PROVIDED WITH PANEL	WALL	7165-0028:0224
AMP	NOTIFIER	DAA2-7525	DIGITAL AUDIO AMPLIFIER	PROVIDED WITH PANEL	WALL	7165-0028:0224
FAA	NOTIFIER	LCD-160	REMOTE NETWORK ANNUNCIATOR	4.5"W x 10"H x 2.5"D	WALL	7120-0028:0224
FAPS	NOTIFIER	PSE-6	REMOTE EXPANDER POWER SUPPLY	16.25"W x 13.5"H x 4.25"D	WALL	7315-0028:0513
FATC-X	NOTIFIER		FIRE ALARM TERMINAL CABINET, SEE PROJECT SPECIFICATIONS.		WALL	
SD	NOTIFIER	FSP-951	PHOTOELECTRIC SMOKE DETECTOR	4-S 2-1/8" DP W/3-O RING	ON CEILING	7272-0028:0505
		B300-6	SENSOR BASE			7300-1653:0109
HD	NOTIFIER	FST-951H	HEAT DETECTOR	4-S 2-1/8" DP W/3-O RING	IN ATTIC	7270-0028:0502
		B300-6	SENSOR BASE			7300-1653:0109
	NOTIFIER	NBG-12LX	MANUAL PULL STATION	4-S 2-1/8" DP W/1-GR	WALL	7150-0028:0199
VSA	SYSTEM SENSOR	SRL	WALL MOUNTED MULTI CANDELA STROBE	4-S 2-1/8" DP W/1-GR	90" MAX 80" MIN	7125-1653:0504
VSA C	SYSTEM SENSOR	SCRL	CEILING MOUNTED MULTI CANDELA STROBE	4-S 2-1/8" DP W/1-GR	90" MAX 80" MIN	7125-1653:0504
VSA S ISOL	SYSTEM SENSOR	SPSRL	WALL MOUNT MULTI CANDELA SPEAKER/STROBE SPEAKER SET AT 1/2W	4-S 2-1/8" DP W/2-GR	90" MAX 80" MIN	7320-1653:0505
VSA S C	SYSTEM SENSOR	SPSCRL	CEILING MOUNT MULTI CANDELA SPEAKER/STROBE SPEAKER SET AT 1/2W	4-S 2-1/8" DP W/2-GR	90" MAX 80" MIN	7320-1653:0505
S WP	SYSTEM SENSOR	SPRK	EXTERIOR SPEAKER SET AT 2W	WBB WP BOX	90" MAX 80" MIN	7320-1653:0201
DD	SYSTEM SENSOR	DNR	PHOTO ELECTRIC DUCT SMOKE DETECTOR		ON DUCT	3240-1653:0209
PIV	NOTIFIER	FMM-1	POST INDICATOR VALVE (BY OTHERS) MONITOR MODULE	4-S 2-1/8" DP W/3-O RING	WALL	7300-0028:0219
TS	NOTIFIER	FMM-1	TAMPER SWITCH (BY OTHERS) MONITOR MODULE	4-S 2-1/8" DP W/3-O RING	WALL	7300-0028:0219
FS	NOTIFIER	FMM-1	FLOW SWITCH (BY OTHERS) MONITOR MODULE	4-S 2-1/8" DP W/3-O RING	WALL	7300-0028:0219
RM	NOTIFIER	FRM-1	RELAY MODULE	4-S 2-1/8" DP W/3-O RING	WALL	7300-0028:0219
CM	NOTIFIER	FCM-1	CONTROL MODULE	4-S 2-1/8" DP W/3-O RING	WALL	7300-0028:0219
SD CO	NOTIFIER	FCO-951	PHOTOELECTRIC SMOKE DETECTOR	4-S 2-1/8" DP W/3-O RING	ON CEILING	7272-0028:0510
		B200S-WH	WITH SOUNDER BASE			7300-0028:0213
MM	NOTIFIER	FMM-1	MONITOR MODULE	IN BACK BOX	WALL	7300-0028:0219
B	N/A	N/A	120 V. FIRE SPRINKLER BELL (BY OTHERS)		WALL	
BT BR	NOTIFIER	FSB-200	BEAM SMOKE DETECTOR TRANSMITTER (T) & REFLECTOR (R)	4-S 2-1/8" DP W/1-GR	WALL	7260-0028:228
M	NOTIFIER	ISO-X	ISOLATOR MODULE	4-S 2-1/8" DP W/1-GR	WALL	7165-0028:0224
CTC-X	N/A	N/A	COMMUNICATION TERMINAL CABINET		WALL	
ST C	SYSTEM SENSOR	SCWL BZWC-P	CEILING MOUNTED WHITE CO STROBE PLAIN/UNMARKED WHITE BEZEL	4-S 2-1/8" DP W/1-GR	ON CEILING	7125-1653:0504
PSCO	NOTIFIER	PSE-6	CARBON MONOXIDE (CO) POWER SUPPLY	16.25"W x 13.5"H x 4.25"D	WALL	7315-0028:0513
IM	NOTIFIER	ISO-X	ISOLATOR MODULE	IN BACK BOX	WALL	7165-0028:0224

* WG INDICATES DEVICE TO BE SUPPLIED WITH WIRE GUARD.

SEQUENCE OF OPERATIONS

	MANUAL PULL STATION	WATERFLOW	AREA SMOKE DETECTORS	HEAT DETECTOR	BEAM DETECTORS	SPRINKLER SUPERVISORY SWITCH	WIRE-TO-WIRE SHORT ON CLASS B INITIATING	SINGLE OPEN ON CLASS B INITIATING CIRCUIT	SINGLE GROUND ON CLASS B INITIATING CIRCUIT	SINGLE OPEN ON NOTIFICATION OF CIRCUIT	DUCT SMOKE/DETECTORS FOR HVAC/DAMPERS	KITCHEN FIRE SUPPRESSION SYSTEM	CARBON MONOXIDE DETECTOR
ANNUNCIATE AT FACP AND KEYPAD	X	X	X	X	X	X	X	X	X	X	X	X	
ANNUNCIATE AT ADMIN OFFICE (ANNUNCIATOR IN ROOM 103)	X	X	X	X	X	X	X	X	X	X	X	X	
SEND ALARM SIGNAL TO THE CENTRAL STATION	X	X	X	X	X							X	
SEND SUPERVISORY SIGNAL TO THE CENTRAL STATION						X					X		
SEND A TROUBLE SIGNAL TO THE CENTRAL STATION							X	X	X	X		X	
ACTIVATE AUDIBLE AND VISIBLE NOTIFICATION DEVICES	X	X	X	X	X							X	X
SHUT DOWN HVAC AND DAMPERS	X	X	X		X						X		
RELEASE ROLL-UP DOORS			X		X								
RING OUTSIDE RISER BELL		X											
ANNUNCIATE ALARM SIGNAL AT ADMIN OFFICE (ANNUNCIATOR IN ROOM 103)													X

NOTE: ALL INITIATING AND NOTIFICATION CIRCUITS ARE CLASS B TYPE.

NOTE: THE HVAC UNITS AND DAMPERS ARE CONTROLLED BY THE AREA SMOKE DETECTORS. THE SMOKE DETECTORS WILL TRIP THE FACP AND THE FACP WILL SHUT DOWN ALL THE HVAC UNIT AND DAMPERS WITHIN THE BUILDING THE ALARM IS COMING FROM.

NOTE: ALL HVAC UNITS AND SMOKE FIRE DAMPERS WILL SHUT DOWN UPON ACTIVATION OF ANY FIRE ALARM DEVICES WITHIN THE BUILDING THAT THE HVAC/DAMPERS ARE IN.

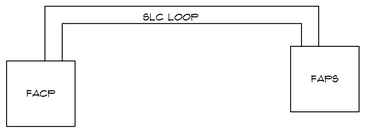
GENERAL FIRE ALARM NOTES

1. THE SYSTEM SHALL CONFORM TO CALIFORNIA CODE OF REGULATIONS (CCR) TITLES 19 & 24 AS APPLICABLE TO THIS PROJECT.
2. UPON COMPLETION OF SYSTEM INSTALLATION, THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF AND IN A MANNER ACCEPTABLE TO DSA/IOR. CONTRACTOR TO SUPPLY NECESSARY TESTING EQUIPMENT INCLUDING A "SOUND LEVEL METER" TO CHECK ACCEPTABLE NOISE LEVELS OF AUDIBLE DEVICES. PROVIDE TEST RESULTS PER NFPA 72 TO ARCHITECT, DSA, IOR, OWNER, AND ELECTRICAL ENGINEER.
3. THE "END OF LINE RESISTANCE" FOR EACH CIRCUIT SHALL BE TESTED IN THE PRESENCE OF THE IOR AND SHALL NOT EXCEED A MAXIMUM OF 10% VOLTAGE DROP OR LISTED MANUFACTURER'S MINIMUM OPERATING VOLTAGES.
4. ALL JOURNEYMAN MUST BE STATE CERTIFIED AS FIRE/LIFE SAFETY TECHNICIANS BY DSA.
5. THE FIRE ALARM CONTRACTOR SHALL SUBMIT THE COMPLETED NFPA 72 FIRE ALARM CERTIFICATE OF COMPLETION TO DSA-IOR UPON COMPLETION OF THE OPERATIONAL ACCEPTANCE TESTS. THE FIRE ALARM CONTRACTOR TO ALSO PROVIDE THE FOLLOWING:
   1. VOICE EVACUATION PER CBC 907.5.3.
   2. FIRE ALARM RECORDS DOCUMENT CABINET PER NFPA 72:1.7.1.2.
   3. SYNCHRONIZE STROBE FLASH PER NFPA 72: 18.5.5.4.2.
   4. SYNCHRONIZE AUDIBLE SIGNAL PER NFPA 72: 18.4.2.4.

COMPLETE AUTOMATIC FIRE ALARM SYSTEM SUBMITTAL

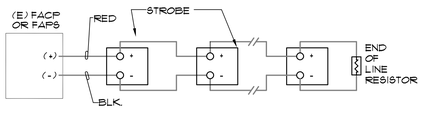
GENERAL NOTES

1. APPLICABLE STANDARD 2022 NFPA 72.
2. INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAS BEEN APPROVED BY DSA.
3. UPON COMPLETION OF THE INSTALLATION OF THE SYSTEMS, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF DSA PROJECT INSPECTOR.
4. A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
5. DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.
6. DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.
7. WALL MOUNTED VISUAL NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR.
8. WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE HAVE THEIR TOPS MOUNTED 90" MINIMUM AND 120" MAXIMUM FROM FINISHED FLOOR AND NO CLOSURE THE 6" TO A HORIZONTAL STRUCTURE.
9. AUDIBLE DEVICES TO BE AT LEAST 15 DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL BUT NOT LESS THAN 75 DBA AT 10 FEET OR MORE THAN 10 FEET OR MORE THAN 110 DBA A THE MINIM HEARING DISTANCE. SOUND LEVEL SHALL BE MAINTAINED FOR DURATION OF OF AT LEAST 60 SECTIONS MUST BE 5 DBA MUST BE MAINTAINED.
10. AUDIBLE DEVICES SHALL SYNCHRONIZED TEMPORAL CODE 3 PATTERN.
11. THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
12. VISUAL DEVICES SHOULD NOT EXCEED 2 FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN 1 FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA VISUAL DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
13. UNDERGROUND AND EXTERIOR CONDUITS SHALL HAVE WATERTIGHT FITTINGS AND WIRE AND BE APPROVED FOR WET LOCATIONS.
14. ALL FIRE ALARM WIRING SHALL BE ELP OR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THHN OR THWN.
15. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. THERE MUST BE AT LEAST 6" OF LEAD WIRE FROM THE BOX TO THE DEVICE ALL BOXES TO BE SIZED PER CEC.
16. SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS AND 3' FROM ANY SUPPLY DIFFUSER. IN AREAS OF CONSTRUCTION WITH POSSIBLE DAMAGE/CONTAMINATION, THE NEWLY INSTALLED FIRE ALARM DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.
17. FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURES SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED THE WEIGHT OF 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
18. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXTENDERS. NEW CIRCUIT BREAKER SHALL BE PROVIDED WITH LOCK ON DEVICE AND BE RED IN COLOR.
19. THE INSTALLING CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION PER NFPA 72.
20. CONTROL PANELS, REMOTE ANNUNCIATOR SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48".
21. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC CHAPTER 9.
22. SUPERVISORY MONITORING SHALL TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
23. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTACT OR PROVISIONS.



TYPICAL CONNECTION TO FAPS

N.T.S.



TYPICAL VISUAL/AUDIO DEVICE WIRING

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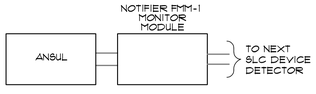
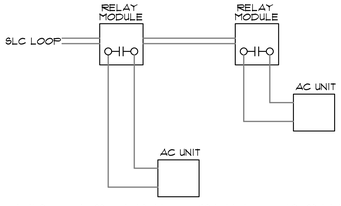
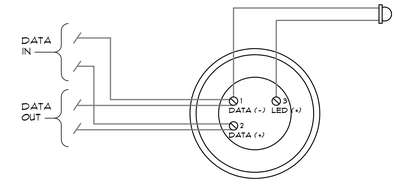


ANSUL SYSTEM WITH MONITOR MODULE



TYP. AC UNIT SHUT-DOWN

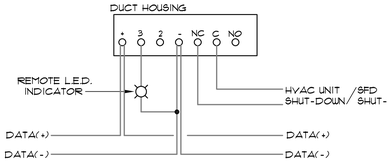
N.T.S.



TYPICAL SMOKE/HEAT DETECTOR WIRING

N.T.S.

NOTE:
LOCATION OF SMOKE DETECTORS PER SMOOTH CEILING TYPE. NFPA72 CHAPTER 17 PROVISION.



TYPICAL DUCT SMOKE DETECTOR WIRING

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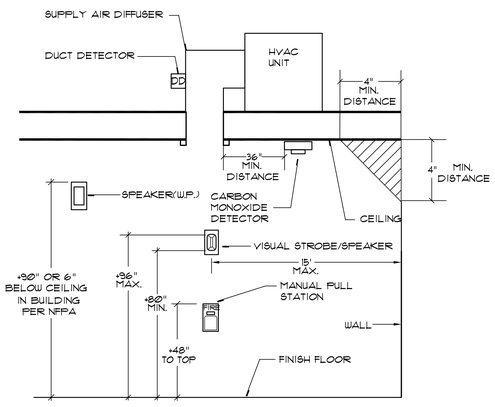

FIRE ALARM DEVICE MOUNTING

APPLICABLE CODES

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS AND REGULATIONS, AND THE REQUIREMENTS OF THE CALIFORNIA CODE OF REGULATIONS (CCR), TITLE 24, INCLUSIVE OF:

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), CCR, TITLE 24, PART 1

2019 CALIFORNIA BUILDING CODE (CBC), CCR, TITLE 24, PART 2, (2018 INTERNATIONAL BUILDING CODE, VOL 1 & 2, AND 2019 CALIFORNIA AMENDMENTS.)

2019 CALIFORNIA ELECTRICAL CODE (CEC), CCR, TITLE 24, PART 3, (2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS.)

2019 CALIFORNIA MECHANICAL CODE (CMC), CCR, TITLE 24, PART 4, (2018 IAPMO UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS.)

2019 CALIFORNIA PLUMBING CODE (CPC), CCR, TITLE 24, PART 5, (2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS.)

2019 CALIFORNIA ENERGY CODE, CCR, TITLE 24, PART 6.

2019 CALIFORNIA FIRE CODE (CFC), CCR, TITLE 24, PART 9, (2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS.)

2019 CALIFORNIA EXISTING BUILDING CODE, CCR, TITLE 24, PART 10, (2018 INTERNATIONAL EXISTING BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS.)

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24, CCR.

2019 CALIFORNIA REFERENCED STANDARDS CODE, CCR, TITLE 24, PART 12.

TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS.

2016 ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS (PER 2019 CBC PART 2 CH 35.)

NOTE: CAL/OSHA ELEVATOR UNIT ENFORCES CCR, TITLE 8 AND USES THE 2004 ASME A17.1 BY ADOPTION.

2016 NFPA 72.

CONDUIT AND WIRE SPECIFICATIONS

LABEL	DESCRIPTION OF CONTENTS	CONDUIT SIZE (UNO)	CIRCUIT TYPE
F1	(1)-2/16 PLUS	3/4" MIN.	SLC
F2	(2)-#12THWN CU WIRES	3/4" MIN.	NAC
F3	(1)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F4	(4)-#12THWN CU WIRES	3/4" MIN.	NAC
F5	(1)-2/16 PLUS (4)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F6	(2)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F7	(1)-2/16 PLUS (2)-#12THWN CU WIRES (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC/ SPKR
F8	(1)-2/16 PLUS (4)-#12THWN CU WIRES (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC/ SPKR
F9	(1)-2/16 PLUS (2)-#12THWN CU WIRES (2)-2/16 AUDIO CABLE	3/4" MIN.	SLC/NAC/ SPKR
F10	(2)-2/16 PLUS	3/4" MIN.	SLC
F11	(1)-2/16 PLUS (6)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F12	(2)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F13	(1)-2/16 PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	SLC/SPKR
F14	(4)-#12 THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F15	(4)-#12 THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F16	(2)-2/16 PLUS (2)-#12 THWN CU WIRES (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC/ SPKR
F17	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	SLC/SPKR
FA1	(1)-2/16 AUDIO CABLE	3/4" MIN.	SPKR
FA2	(2)-2/16 AUDIO CABLE	3/4" MIN.	SPKR

NOTES:
1. 2/16 = ATLAS WIRE 222-16-1-1TP; INSIDE ONLY.
2. 2/16 = ATLAS WIRE 213-16-19-2JJ; UNDERGROUND.
3. ALL WIRING TO BE LISTED FOR USE AS REQUIRED BY TITLE 24/CEC, ART. 760.
4. "THWN", "AQUAGEAL", OR EQUAL TO BE USED IN WET LOCATIONS.

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PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES
@ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
FIRE ALARM SYMBOL LIST, DIAGRAMS AND SCHEDULES

DATE: March 2026
DRAWN: LS / MS / DA
JOB: SJ21-01
SHEET:
FA0.1

ADDENDUM 1, EXHIBIT "B"

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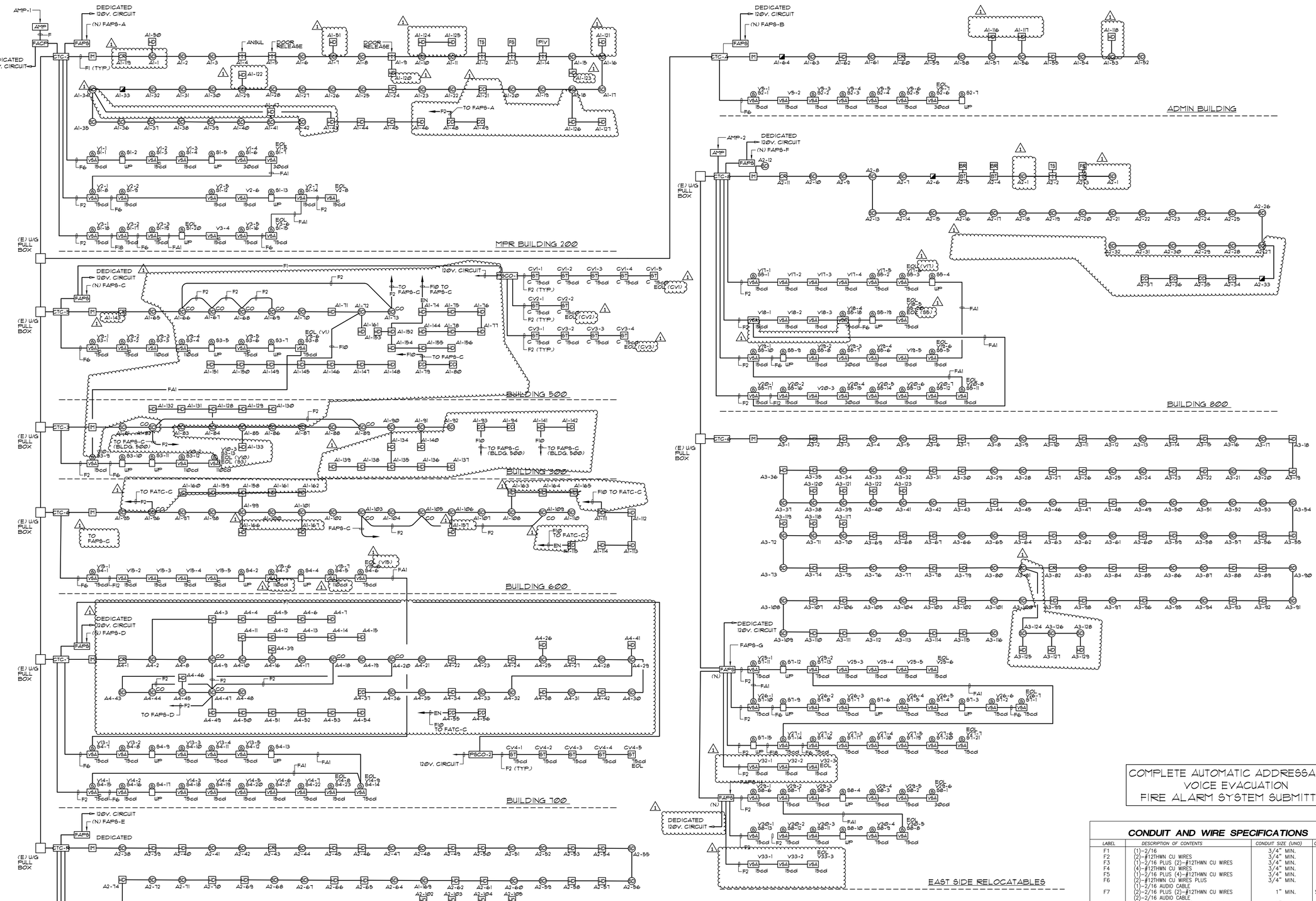

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SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: FIRE ALARM RISER DIAGRAM

DATE: March 2026

DRAWN: LS / MS / DA

JOB: SJ21-01

SHEET: FA0.2

COMPLETE AUTOMATIC ADDRESSABLE VOICE EVACUATION FIRE ALARM SYSTEM SUBMITTAL

CONDUIT AND WIRE SPECIFICATIONS

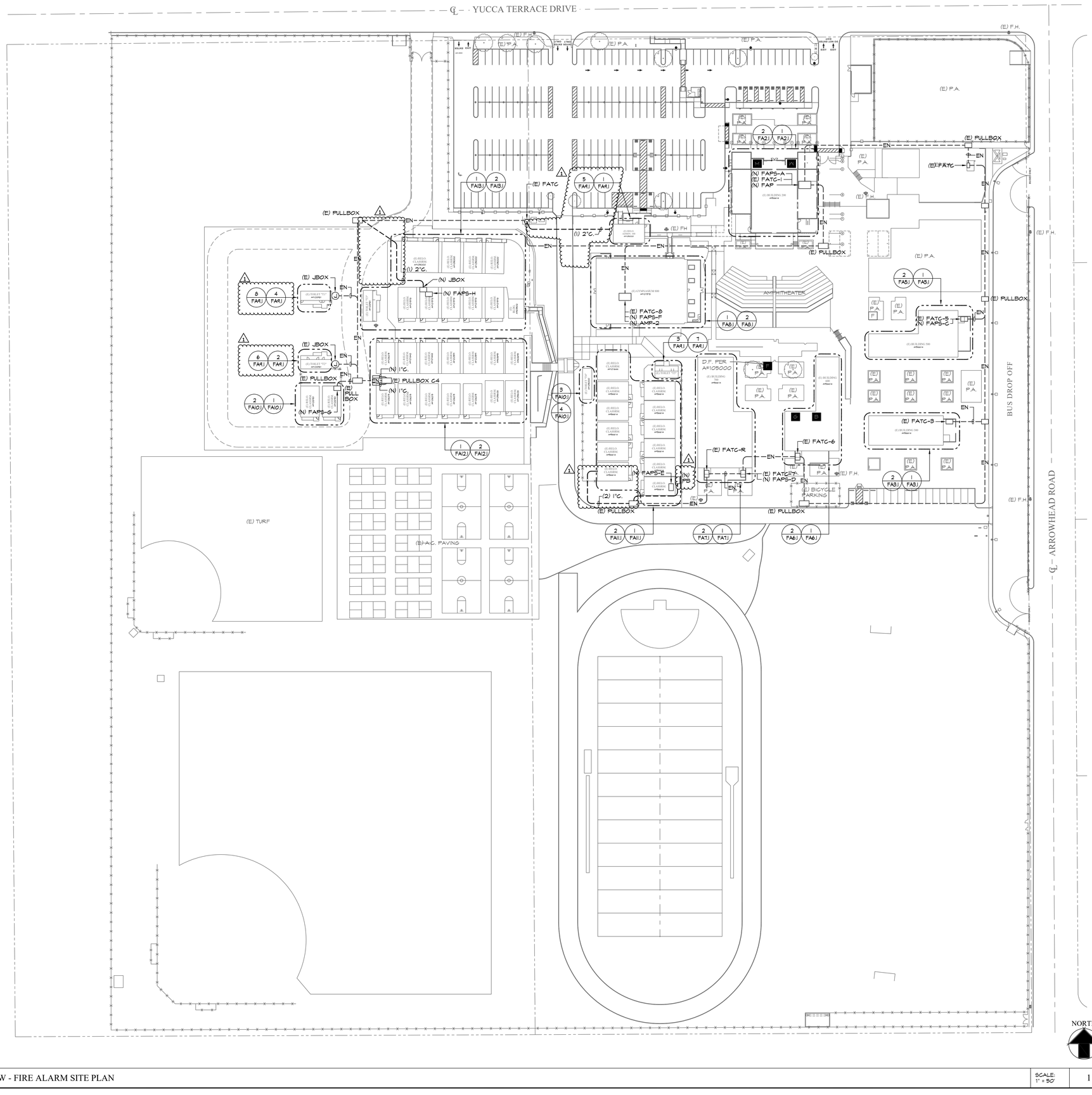
LABEL	DESCRIPTION OF CONTENTS	CONDUIT SIZE (UNO)	CIRCUIT TYPE
F1	(1)-2/16	3/4" MIN.	SLC
F2	(2)-#12THWN CU WIRES	3/4" MIN.	NAC
F3	(1)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F4	(4)-#12THWN CU WIRES	3/4" MIN.	NAC
F5	(1)-2/16 PLUS (4)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F6	(2)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	NAC/ SPKR
F7	(2)-2/16 PLUS (2)-#12THWN CU WIRES (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC/ SPKR
F8	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/SPKR
F9	(1)-2/16 PLUS (2)-#12THWN CU WIRES (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC/ SPKR
F10	(2)-2/16	3/4" MIN.	SLC
F11	(2)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F12	(2)-2/16 PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	SLC/SPKR
F13	(2)-2/16 PLUS (2)-#12THWN CU WIRES (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC/ SPKR
F14	(2)-2/16 PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/SPKR
F15	(1)-4#12 PLUS (1)-2/16 AUDIO CABLE	1" MIN.	NAC/SPKR
F16	(2)-2/16 PLUS (4)-#12THWN CU WIRES (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC/ SPKR
F17	(4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	NAC/ SPKR
F18	(4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	NAC/ SPKR
F19	(2)-2/16 PLUS (3)-2/16 AUDIO CABLE	3/4" MIN.	SLC/SPKR
F20	(2)-2/16 PLUS (2)-#12THWN CU WIRES (3)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC/ SPKR
FA1	(1)-2/16 AUDIO CABLE	3/4" MIN.	SPKR
FA2	(2)-2/16 AUDIO CABLE	3/4" MIN.	SPKR
FA3	(3)-2/16 AUDIO CABLE	3/4" MIN.	SPKR
FA4	(4)-2/16 AUDIO CABLE	3/4" MIN.	SPKR
F	(1)-62.5 µm 12 STARND SINGLEMODE FIBER	3/4" MIN.	SPKR

NOTES:
1. 2/16 = ATLAS WIRE 222-16-1-1TP; INSIDE ONLY.
2. 2/16 = ATLAS WIRE 213-16-19-2J; UNDERGROUND.
3. ALL WIRING TO BE LISTED FOR USE AS REQUIRED BY TITLE 24/CEC, ART. 760.
4. "THWN", "AQUASEAL", OR EQUAL TO BE USED IN WET LOCATIONS.

FIRE ALARM RISER NOTES

1. REFER TO DRAWING E0.1, GENERAL NOTES, FOR ADDITIONAL REQUIREMENTS.
2. ALL NOTIFICATION DEVICES SHALL BE SYNCHRONIZED.
2. CONTRACTOR TO PROVIDE NEW DEDICATED CIRCUIT AND NEW CIRCUIT BREAKER FOR EACH NEW FIRE ALARM POWER SUPPLY. NEW CIRCUIT BREAKER TO MATCH EXISTING IN MANUFACTURER AND OPERATION. CIRCUIT BREAKER SHORT CIRCUIT DUTY SHALL BE EQUAL TO OR GREATER THAN THE HIGHEST EXISTING AIC RATED CIRCUIT BREAKER IN THE PANEL. IDENTIFY THE CIRCUIT BREAKER WITH THE LOAD SERVED (i.e. "FIRE ALARM POWER SUPPLY"). CONTRACTOR TO PROVIDE / PERFORM THE FOLLOWING:
   1. PROVIDE MECHANICALLY PROTECTED LOCK OUT DEVICE WITHIN THE BRANCH CIRCUIT PANEL FOR THE FIRE ALARM CIRCUIT BREAKER.
   2. ENSURE THE FIRE ALARM CIRCUIT BREAKER IS CLEARLY MARKED WITH RED LABELING.
   3. ENSURE LOCK OFF DEVICE KEY IS PROVIDED TO AUTHORIZED PERSONNEL ONLY.
   4. ENSURE LOCATION OF CIRCUIT BREAKER PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.

ADDENDUM 1, EXHIBIT "B"



NEW - FIRE ALARM SITE PLAN

SCALE: 1" = 50'

1

PLAN NOTES:

1. REFER TO GENERAL NOTES AND DEMOLITION NOTES, DRAWING E0.1, FOR ADDITIONAL REQUIREMENTS.

CONSTRUCTION NOTES:

1. ALL FIRE ALARM SYSTEM DEVICES SHALL BE U.L. AND C.S.F.M. LISTED AND APPROVED.
2. THE CONTRACTOR SHALL NOTE THAT THE DRAWING IS DIAGRAMMATIC. EXACT ROUTING OF EXISTING CONDUITS AND LOCATION OF EXISTING JUNCTION BOXES, WIRE GUTTERS, AND PULL BOXES SHALL BE COORDINATED AND DETERMINED IN THE FIELD.
3. DISCONNECT AND REMOVE ALL SITE DISTRIBUTION FIRE ALARM, WIRE CABLE. MANDREL ALL CONDUITS PRIOR TO INSTALLING NEW WIRE/CABLE.
4. PRIOR TO THE REMOVAL OF EXISTING WIRE/CABLE THE CONTRACTOR SHALL TRACE/VERIFY THE ROUTING OF THE CONDUITS, INDICATED ON PLAN. ACTUAL ROUTING SHALL BE REFLECTED/INCLUDED IN THE FIRE ALARM SHOP DRAWING SUBMITTAL PACKAGE.
5. EXISTING FIRE ALARM SYSTEM SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. ALL COMPONENTS OF THE EXISTING FIRE ALARM SYSTEM (DEVICES, POWER SUPPLIES, CONDUIT, CABLING, ETC.) SHALL BE DISCONNECTED AND REMOVED UPON RECEIPT OF CERTIFICATION OF COMPLETION FROM DSA-FLS FOR THE INSTALLATION OF THE NEW FIRE ALARM SYSTEM.
6. REMOVE ALL ABANDONED APPLIANCES, DEVICES, CONDUCTORS AND CONDUITS ASSOCIATED WITH THE EXISTING FIRE ALARM SYSTEMS FROM THE SITE.
7. ALL EXTERIOR CONDUIT, FITTINGS, JUNCTION BOXES AND PULL BOXES SHALL BE WEATHER PROOF TYPE; NEMA 3R.
8. FIRE ALARM CONDUCTORS SHALL BE KEPT SEPARATE FROM ALL OTHER SYSTEMS. CONTRACTOR SHALL PROVIDE PERMANENT STEEL BARRIERS IN ALL JUNCTION BOXES, PULL BOXES, TERMINAL CABINETS, ETC. TO MAINTAIN SEPARATION.

COMPLETE ADDRESSABLE AUTOMATIC FIRE ALARM SYSTEM SUBMITTAL

REVISIONS	BY
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PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES
@ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
NEW - FIRE ALARM SITE PLAN

DATE: March 2026
DRAWN: LS / MS / DA
JOB: 5J21-01
SHEET: FA1.1

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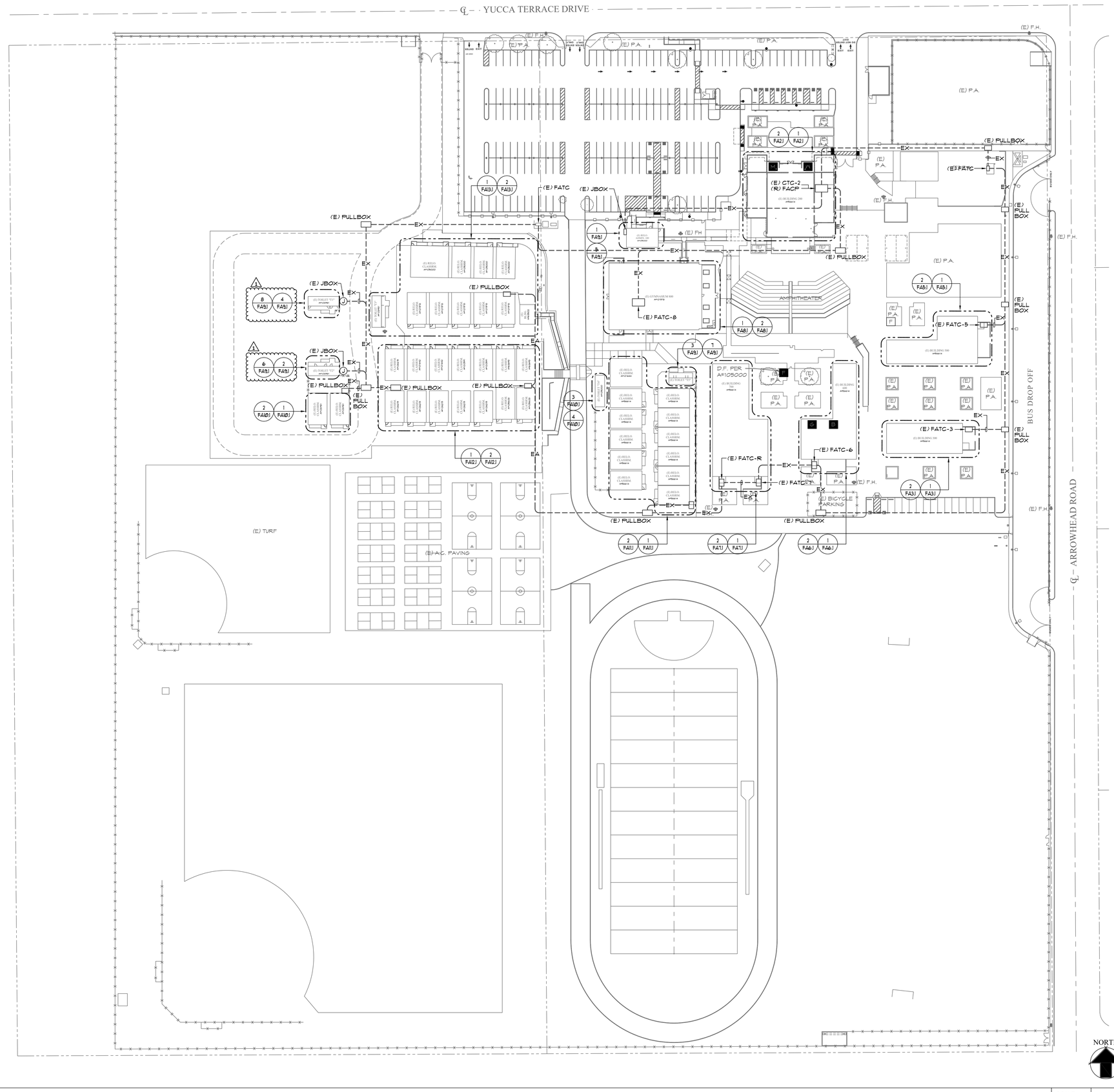

DEMOLITION - FIRE ALARM SITE PLAN

SCALE: 1" = 50'

1

PLAN NOTES:

1. ALL FIRE ALARM CABLING SERVING THE REMODEL AREA, WHETHER IDENTIFIED ON PLAN OR NOT, SHALL BE TRACED AND IDENTIFIED PRIOR TO START OF THE DEMOLITION PHASE. FIRE ALARM CABLING AFFECTED BY THE REMODEL THAT SERVE AREAS OF THE CAMPUS THAT ARE NOT A PART OF THE REMODEL WORK SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. INTERRUPTION OF FIRE ALARM SYSTEM WILL NOT BE ALLOWED.

CONSTRUCTION NOTES:

1. REFER TO GENERAL NOTES AND DEMOLITION NOTES, DRAWING E0.1, FOR ADDITIONAL REQUIREMENTS.
2. THE CONTRACTOR SHALL NOTE THAT THE DRAWING IS DIAGRAMMATIC. EXACT ROUTING OF EXISTING CONDUITS AND LOCATION OF EXISTING JUNCTION BOXES, WIRE GUTTERS, AND PULL BOXES SHALL BE COORDINATED AND DETERMINED IN THE FIELD.
3. DISCONNECT AND REMOVE ALL SITE DISTRIBUTION FIRE ALARM, WIRE CABLE. MANDREL ALL CONDUITS PRIOR TO INSTALLING NEW WIRE/CABLE.
4. PRIOR TO THE REMOVAL OF EXISTING WIRE/CABLE THE CONTRACTOR SHALL TRACE/VERIFY THE ROUTING OF THE CONDUITS, INDICATED ON PLAN. ACTUAL ROUTING SHALL BE REFLECTED/INCLUDED IN THE FIRE ALARM SHOP DRAWING SUBMITTAL PACKAGE.
5. EXISTING FIRE ALARM SYSTEM SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. ALL COMPONENTS OF THE EXISTING FIRE ALARM SYSTEM (DEVICES, POWER SUPPLIES, CONDUIT, CABLING, ETC.) SHALL BE DISCONNECTED AND REMOVED UPON RECEIPT OF CERTIFICATION OF COMPLETION FROM DSA-FLS FOR THE INSTALLATION OF THE NEW FIRE ALARM SYSTEM.
6. REMOVE ALL ABANDONED APPLIANCES, DEVICES, CONDUCTORS AND CONDUITS ASSOCIATED WITH THE EXISTING FIRE ALARM SYSTEMS FROM THE SITE.

REVISIONS	BY
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@ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
DEMOLITION - FIRE ALARM SITE PLAN

DATE: March 2026
DRAWN: LS / MS / DA
JOB: 5J21-01
SHEET:

FA1.2

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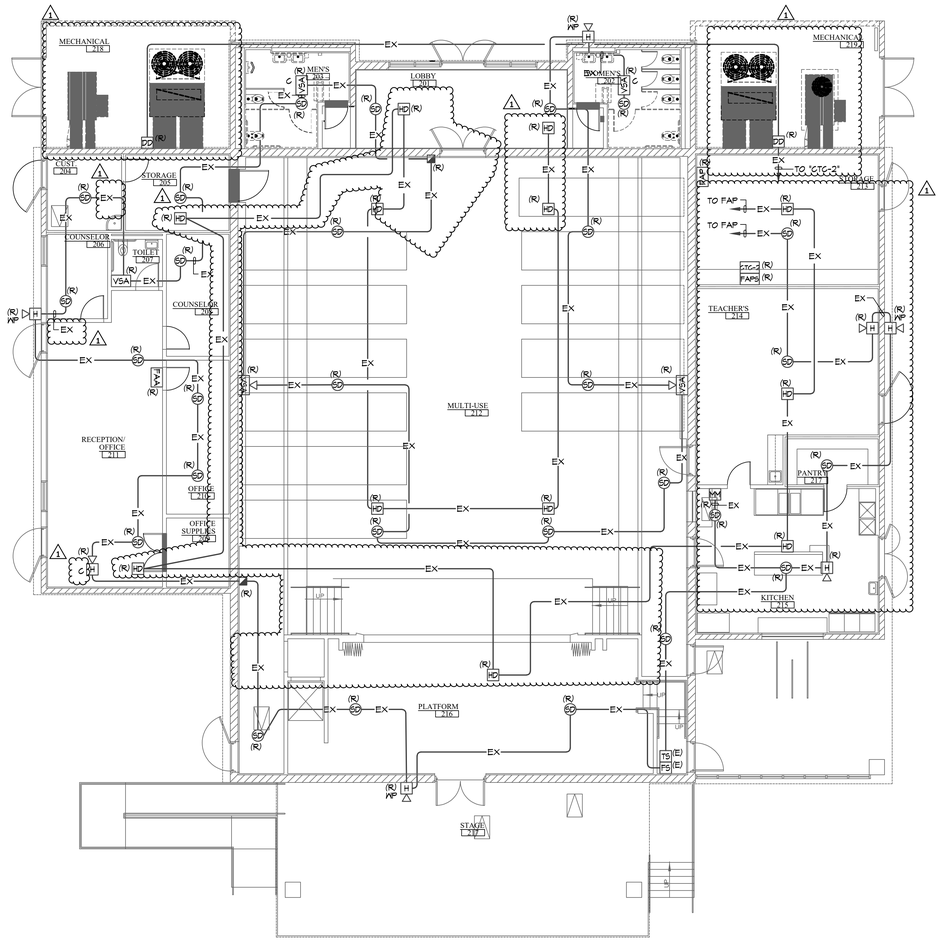
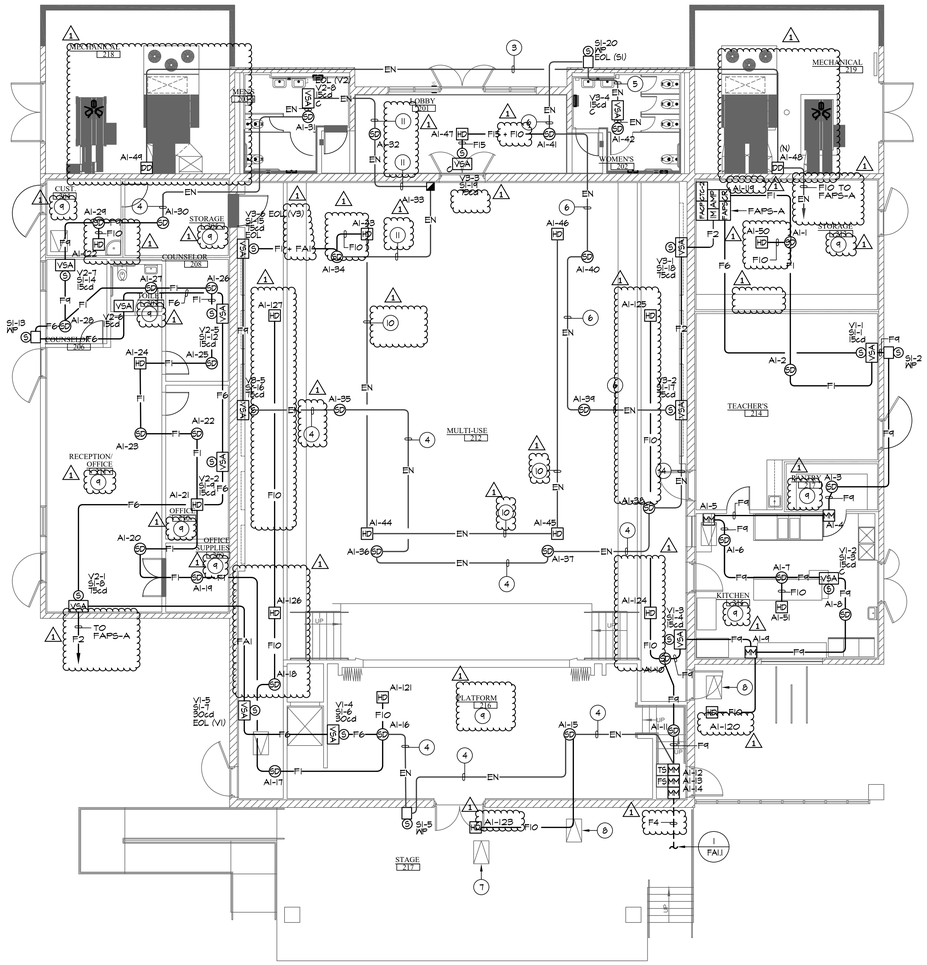


NORTH

BUILDING 200 - DEMOLITION FIRE ALARM PLAN

SCALE: 1/8" = 1'-0"

1



NORTH

COMPLETE AUTOMATIC FIRE ALARM SYSTEM SUBMITTAL

BUILDING 200 - REMODEL FIRE ALARM PLAN

SCALE: 1/8" = 1'-0"

2

PLAN NOTES

1. REFER TO GENERAL NOTES AND DEMOLITION NOTES, SHEET E0.1, FOR ADDITIONAL REQUIREMENTS.
2. ALL CIRCUITS SERVING THE REMODEL AREA, WHETHER IDENTIFIED ON PLAN OR NOT, SHALL BE TRACED AND IDENTIFIED PRIOR TO START OF THE DEMOLITION PHASE. CIRCUITS AFFECTED BY THE REMODEL THAT SERVE AREAS OF THE BUILDING THAT ARE NOT A PART OF THE REMODEL SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. INTERRUPTION OF SERVICE WILL NOT BE ALLOWED.
3. (1)-2/16 - SLC
4. (1)-2/16 - SLC
   (1)-2/16 AUDIO CABLE
   (2)-#12THWN CU WIRES
5. (1)-2/16 - SLC
   (4)-#12THWN CU WIRES
6. (1)-2/16 - SLC
   (1)-2/16 AUDIO CABLE
   (4)-#12THWN CU WIRES

△1

7. NEW 24" X 36" ACCESS PANEL.
8. EXISTING 24" X 36" ACCESS PANEL.
9. HARD LID CEILING.
10. (2)-2/16 - SLC
11. (1)-2/16 - SLC + (1)-2/16 AUDIO CABLE

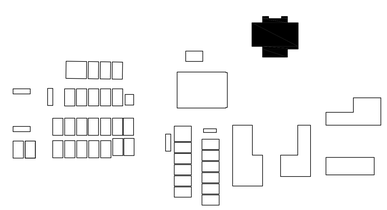
CONSTRUCTION NOTES:

1. EXISTING FIRE ALARM SYSTEM SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. ALL COMPONENTS OF THE EXISTING FIRE ALARM SYSTEM (DEVICES, POWER SUPPLIES, CONDUIT, CABLING, ETC.) SHALL BE DISCONNECTED AND REMOVED UPON RECEIPT OF CERTIFICATION OF COMPLETION FROM DSA-FLS FOR THE INSTALLATION OF THE NEW FIRE ALARM SYSTEM.
2. REMOVE ALL ABANDONED APPLIANCES, DEVICES, CONDUCTORS AND CONDUITS ASSOCIATED WITH THE EXISTING FIRE ALARM SYSTEMS FROM THE SITE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL NEW CEILING MOUNTED FIRE ALARM DEVICES TO AVOID INTERFERENCE WITH EXISTING LIGHT FIXTURES, CEILING MOUNTED LOW VOLTAGE DEVICES, HVAC GRILLS AND CEILING GRIDS.
4. WHERE SURFACE MOUNTED RACEWAYS ARE REQUIRED DUE TO EXISTING WALL MATERIAL, CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND RECEIVE APPROVAL TO INSTALL SURFACE MOUNTED CONDUIT PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED CONDUIT. SURFACE MOUNTED RACEWAYS SHALL BE SIZED FOR THE QUANTITY OF CONDUCTORS CONTAINED THEREIN. RACEWAYS SHALL BE PAINTED, AS DIRECTED BY THE ARCHITECT, TO MATCH THE SURFACE ATTACHED TO.
5. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
6. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
7. AREAS WITH UNIT SUPPLYING MORE THAN 2,000 CFM SHALL BE EQUIPPED WITH AUTOMATIC SYSTEM SHUT DOWN PER 608 OF THE 2022 CMC.
8. THE CONTRACTOR SHALL NOTE THAT THE DRAWING IS DIAGRAMMATIC. EXACT ROUTING OF NEW CONDUITS AND LOCATION OF JUNCTION BOXES AND PULL BOXES SHALL BE COORDINATED AND DETERMINED IN THE FIELD. NEW CONDUIT, JUNCTION BOXES AND PULL BOXES SHALL BE ROUTED / PLACED IN SUCH A MANNER AS TO ADHERE TO ALL APPLICABLE CODES AND TO AVOID INTERFERENCE WITH EXISTING BUILDING STRUCTURES, UTILITIES AND THE WORK BEING PERFORMED BY OTHER TRADES. ALL EXTERIOR CONDUIT, FITTINGS, JUNCTION BOXES AND PULL BOXES TO BE WEATHER PROOF TYPE; NEMA 3R.
9. ALL FIRE ALARM SYSTEM DEVICES SHALL BE U.L. AND C.S.F.M. LISTED AND APPROVED.
10. ALL STROBE AND HORN/ STROBE DEVICES MOUNTED ABOVE MARKER BOARDS SHALL HAVE 2" MIN. SPACE BETWEEN THE TOP OF THE BOARD AND BOTTOM OF THE DEVICE.
11. SMOKE DETECTORS SHALL NOT BE MOUNTED CLOSER THAN 3 FT FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING. CONTRACTOR SHALL COORDINATE WITH EXISTING CONDITIONS PRIOR TO START OF WORK AND MAKE ALL ADJUSTMENT AS REQUIRED.
12. FIRE ALARM CONDUCTORS SHALL BE KEPT SEPARATE FROM ALL OTHER SYSTEMS. CONTRACTOR SHALL PROVIDE PERMANENT STEEL BARRIERS IN ALL JUNCTION BOXES, PULL BOXES, TERMINAL CABINETS, ETC. TO MAINTAIN SEPARATION.
13. FIRE ALARM CONDUIT SHALL BE 3/4" MIN., UNLESS OTHERWISE NOTED.
14. FIRE ALARM CONDUCTORS SHALL BE KEPT SEPARATE FROM ALL OTHER SYSTEMS. CONTRACTOR SHALL PROVIDE PERMANENT STEEL BARRIERS IN ALL JUNCTION BOXES, PULL BOXES, TERMINAL CABINETS, ETC. TO MAINTAIN SEPARATION.

CONDUIT AND WIRE SPECIFICATIONS

LABEL	DESCRIPTION OF CONTENTS	CONDUIT SIZE (UNO)	CIRCUIT TYPE
F1	(1)-2/16	3/4" MIN.	SLC
F2	(2)-#12THWN CU WIRES	3/4" MIN.	NAC
F3	(1)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F4	(4)-#12THWN CU WIRES	3/4" MIN.	NAC
F5	(1)-2/16 PLUS (4)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F6	(2)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F7	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/SPKR
F8	(8)-#12THWN CU WIRES	1" MIN.	NAC
F9	(1)-2/16 PLUS (2)-#12THWN CU WIRES (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC/ SPKR
F10	(2)-2/16	3/4" MIN.	SLC
F11	(2)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F12	(1)-2/16 PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	SLC/NAC
F13	(2)-2/16 PLUS (4)-#12THWN CU WIRES (1)-4/C #16	1" MIN.	SLC/NAC SPKR
F14	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	SLC/SPKR
F15	(4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F16	(2)-2/16 PLUS (2)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
F17	(2)-2/16 PLUS (4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
F18	(1)-2/16 PLUS (4)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
FS	(1)-4/C #16	3/4" MIN.	SBUS
FS1	(1)-4/C #16 PLUS (1) 2/16	3/4" MIN.	SBUS/NAC
FS2	(1)-4/C #16 SBUS PLUS (4)-#12THWN CU WIRES	1" MIN.	SBUS/NAC
FA1	(1)-2/16 AUDIO CABLE	3/4" MIN.	SPKR
FA2	(2)-2/16 AUDIO CABLE	3/4" MIN.	SPKR

NOTES:
1. 2/16 = ATLAS WIRE 222-16-1-1TP; INSIDE ONLY.
2. 2/16 = ATLAS WIRE 213-16-19-2J; UNDERGROUND
3. ALL WIRING TO BE LISTED FOR USE AS REQUIRED BY TITLE 24/CEC, ART. 760.
4. "THWN", "AQUASEAL", OR EQUAL TO BE USED IN WET LOCATIONS.



KEY PLAN

SCALE: NONE

3

REVISIONS	BY
△1 ADDENDUM 01	MS

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ARCHITECT

LICENSED ARCHITECT — CHRISTOPHER J. BASTIAN — Lic. No. C-27546 REN. 6-2027 — STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
BUILDING 200 - FIRE ALARM PLANS

DATE: March 2026
DRAWN: LS / MS / DA
JOB: SJ21-01
SHEET: FA2.1

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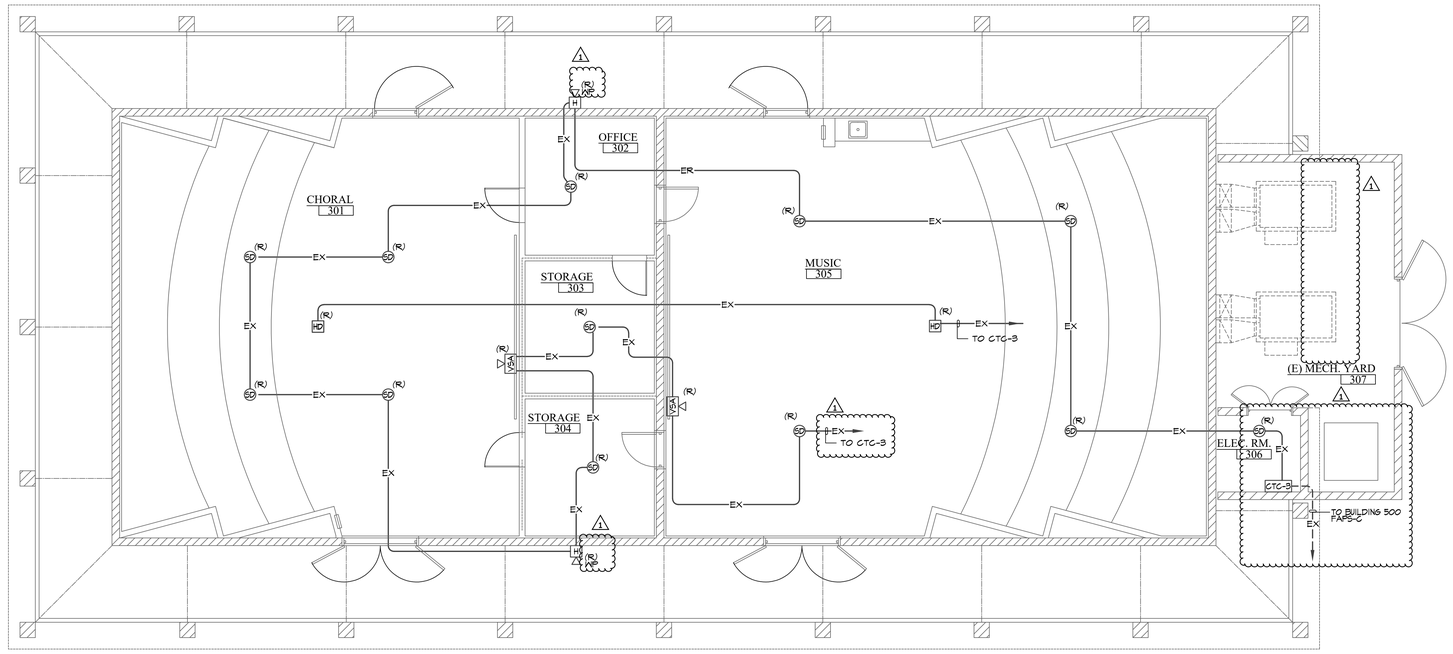
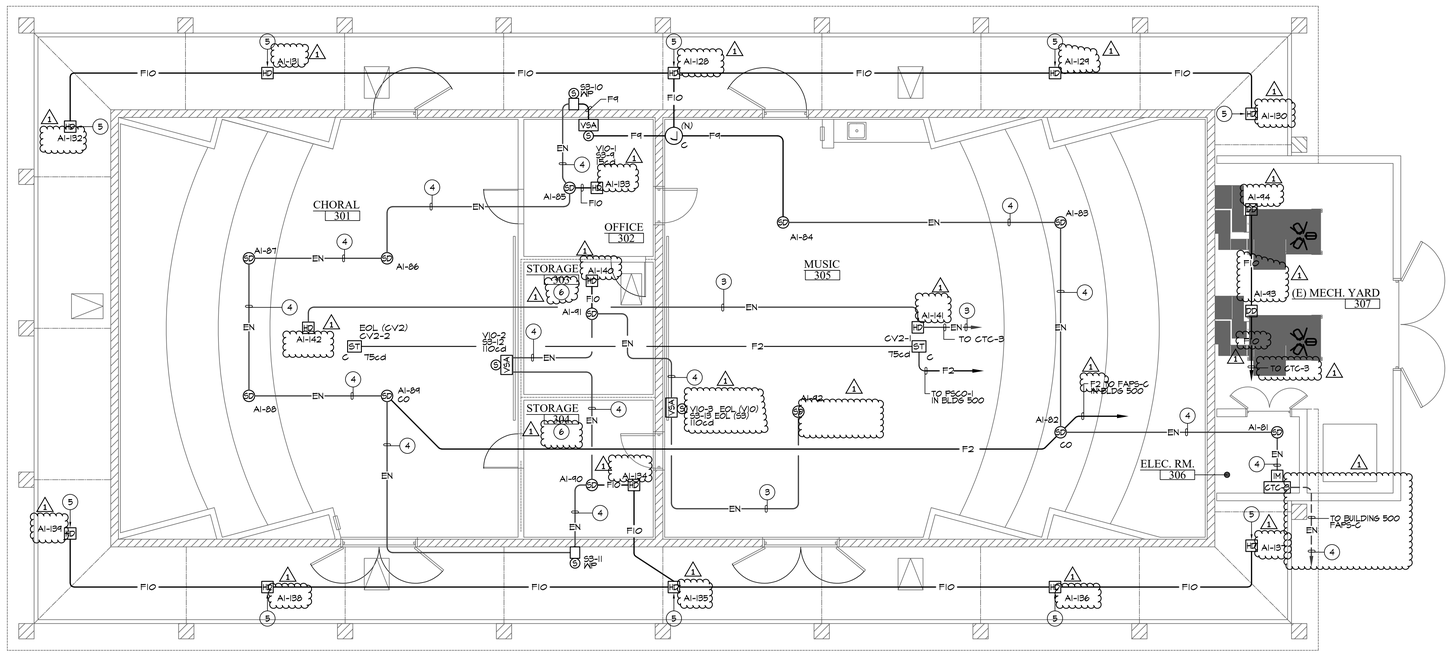
ADDENDUM 1, EXHIBIT "B"



NORTH

BUILDING 300 - DEMOLITION FIRE ALARM PLAN | SCALE: 3/16"=1'-0" | 2



NORTH

BUILDING 300 - REMODEL FIRE ALARM PLAN | SCALE: 3/16"=1'-0" | 2

PLAN NOTES

1. REFER TO GENERAL NOTES AND DEMOLITION NOTES, SHEET E0.1, FOR ADDITIONAL REQUIREMENTS.
2. ALL CIRCUITS SERVING THE REMODEL AREA, WHETHER IDENTIFIED ON PLAN OR NOT, SHALL BE TRACED AND IDENTIFIED PRIOR TO START OF THE DEMOLITION PHASE. CIRCUITS AFFECTED BY THE REMODEL THAT SERVE AREAS OF THE BUILDINGS THAT ARE NOT A PART OF THE REMODEL SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. INTERRUPTION OF SERVICE WILL NOT BE ALLOWED.
3. (1)-2/16 - SLC
4. (1)-2/16 - SLC
   (1)-2/16 AUDIO CABLE
   ~~(2)-FIBTHAN CU WIRES~~ 1
5. CONTRACTOR TO PROVIDE AND INSTALL NEW 12" X 12" ACCESS PANEL BELOW NEW HEAT DETECTOR FOR DEVICE ACCESS.
6. HARD LID CEILING.

CONSTRUCTION NOTES:

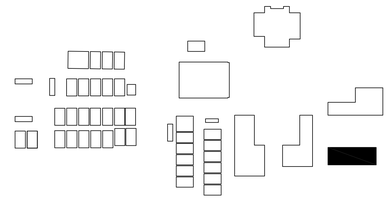
1. EXISTING FIRE ALARM SYSTEM SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. ALL COMPONENTS OF THE EXISTING FIRE ALARM SYSTEM (DEVICES, POWER SUPPLIES, CONDUIT, CABLING, ETC.) SHALL BE DISCONNECTED AND REMOVED UPON RECEIPT OF CERTIFICATION OF COMPLETION FROM DSA-FLS FOR THE INSTALLATION OF THE NEW FIRE ALARM SYSTEM.
2. REMOVE ALL ABANDONED APPLIANCES, DEVICES, CONDUCTORS AND CONDUITS ASSOCIATED WITH THE EXISTING FIRE ALARM SYSTEMS FROM THE SITE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL NEW CEILING MOUNTED FIRE ALARM DEVICES TO AVOID INTERFERENCE WITH EXISTING LIGHT FIXTURES, CEILING MOUNTED LOW VOLTAGE DEVICES, HVAC GRILLS AND CEILING GRIDS.
4. WHERE SURFACE MOUNTED RACEWAYS ARE REQUIRED DUE TO EXISTING WALL MATERIAL, CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND RECEIVE APPROVAL TO INSTALL SURFACE MOUNTED CONDUIT PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED CONDUIT. SURFACE MOUNTED RACEWAYS SHALL BE SIZED FOR THE QUANTITY OF CONDUCTORS CONTAINED THEREIN. RACEWAYS SHALL BE PAINTED, AS DIRECTED BY THE ARCHITECT, TO MATCH THE SURFACE ATTACHED TO.
5. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
6. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
7. AREAS WITH UNIT SUPPLYING MORE THAN 2,000 CFM SHALL BE EQUIPPED WITH AUTOMATIC SYSTEM SHUT DOWN PER 608 OF THE 2022 CMC.
8. THE CONTRACTOR SHALL NOTE THAT THE DRAWING IS DIAGRAMMATIC. EXACT ROUTING OF NEW CONDUITS AND LOCATION OF JUNCTION BOXES AND PULL BOXES SHALL BE COORDINATED AND DETERMINED IN THE FIELD. NEW CONDUIT, JUNCTION BOXES AND PULL BOXES SHALL BE ROUTED / PLACED IN SUCH A MANNER AS TO ADHERE TO ALL APPLICABLE CODES AND TO AVOID INTERFERENCE WITH EXISTING BUILDING STRUCTURES, UTILITIES AND THE WORK BEING PERFORMED BY OTHER TRADES. ALL EXTERIOR CONDUIT, FITTINGS, JUNCTION BOXES AND PULL BOXES TO BE WEATHER PROOF TYPE; NEMA 3R.
9. ALL FIRE ALARM SYSTEM DEVICES SHALL BE U.L. AND C.S.F.M. LISTED AND APPROVED.
10. ALL STROBE AND HORN/ STROBE DEVICES MOUNTED ABOVE MARKER BOARDS SHALL HAVE 2" MIN. SPACE BETWEEN THE TOP OF THE BOARD AND BOTTOM OF THE DEVICE.
11. SMOKE DETECTORS SHALL NOT BE MOUNTED CLOSER THAN 3 FT FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING. CONTRACTOR SHALL COORDINATE WITH EXISTING CONDITIONS PRIOR TO START OF WORK AND MAKE ALL ADJUSTMENT AS REQUIRED.
12. FIRE ALARM CONDUCTORS SHALL BE KEPT SEPARATE FROM ALL OTHER SYSTEMS. CONTRACTOR SHALL PROVIDE PERMANENT STEEL BARRIERS IN ALL JUNCTION BOXES, PULL BOXES, TERMINAL CABINETS, ETC. TO MAINTAIN SEPARATION.
13. FIRE ALARM CONDUIT SHALL BE 3/4" MIN., UNLESS OTHERWISE NOTED.

CONDUIT AND WIRE SPECIFICATIONS

LABEL	DESCRIPTION OF CONTENTS	CONDUIT SIZE (UNO)	CIRCUIT TYPE
F1	(1)-2/16	3/4" MIN.	SLC
F2	(2)-#12THWN CU WIRES	3/4" MIN.	NAC
F3	(1)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F4	(4)-#12THWN CU WIRES	3/4" MIN.	NAC
F5	(1)-2/16 PLUS (4)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F6	(2)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F7	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/SPKR
F8	(8)-#12THWN CU WIRES	1" MIN.	NAC
F9	(1)-2/16 PLUS (2)-#12THWN CU WIRES (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC/ SPKR
F10	(2)-2/16	3/4" MIN.	SLC
F11	(2)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F12	(1)-2/16 PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	SLC/NAC
F13	(2)-2/16 PLUS (4)-#12THWN CU WIRES (1)-C #16	1" MIN.	SLC/NAC SPKR
F14	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	SLC/SPKR
F15	(4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F16	(1)-2/16 PLUS (2)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
F17	(2)-2/16 PLUS (4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
F18	(1)-2/16 PLUS (4)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
FS	(1)-4/C #16	3/4" MIN.	SBUS
FS1	(1)-4/C #16 PLUS (1) 2/16	3/4" MIN.	SBUS/NAC
FS2	(1)-4/C #16 SBUS PLUS (4)-#12THWN CU WIRES	1" MIN.	SBUS/NAC
FA1	(1)-2/16 AUDIO CABLE	3/4" MIN.	SPKR
FA2	(2)-2/16 AUDIO CABLE	3/4" MIN.	SPKR

NOTES:
1. 2/16 = ATLAS WIRE 222-16-1-17P; INSIDE ONLY.
2. 2/16 = ATLAS WIRE 213-18-19-2J; UNDERGROUND.
3. ALL WIRING TO BE LISTED FOR USE AS REQUIRED BY TITLE 24/CCC, ART. 760.
4. "THWN", "AQUASEAL", OR EQUAL TO BE USED IN WET LOCATIONS.

COMPLETE AUTOMATIC FIRE ALARM SYSTEM SUBMITTAL



KEY PLAN | SCALE: NONE | 3

REVISIONS	BY
1 ADDENDUM 01	MS

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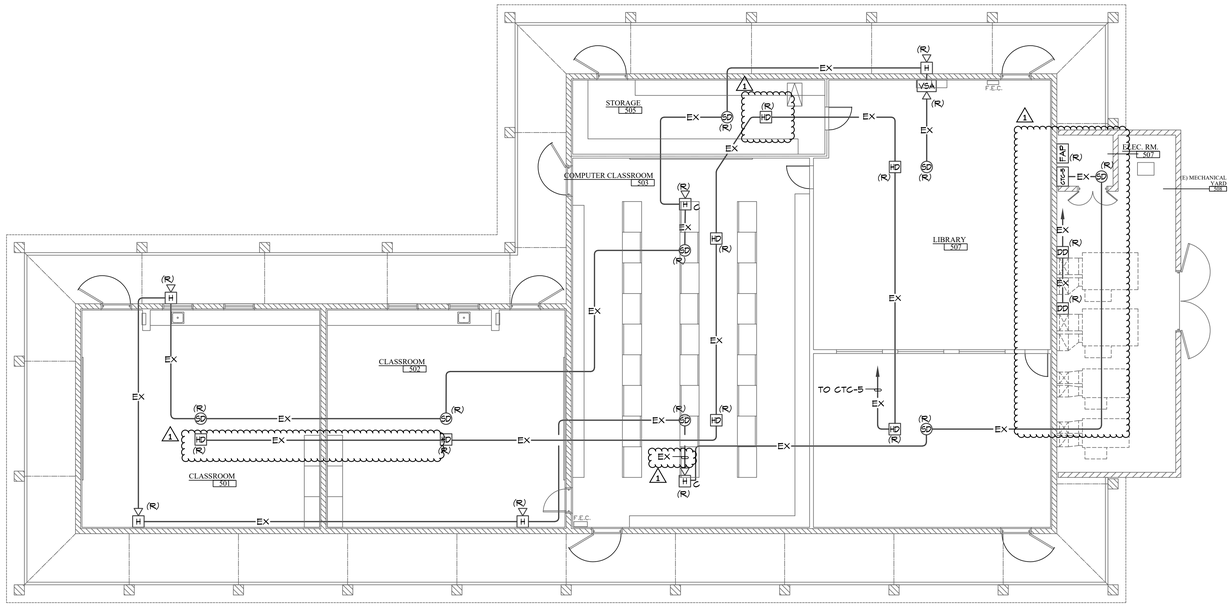
REN. 6-2027
STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES
@ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
BUILDING 300 - FIRE ALARM PLANS

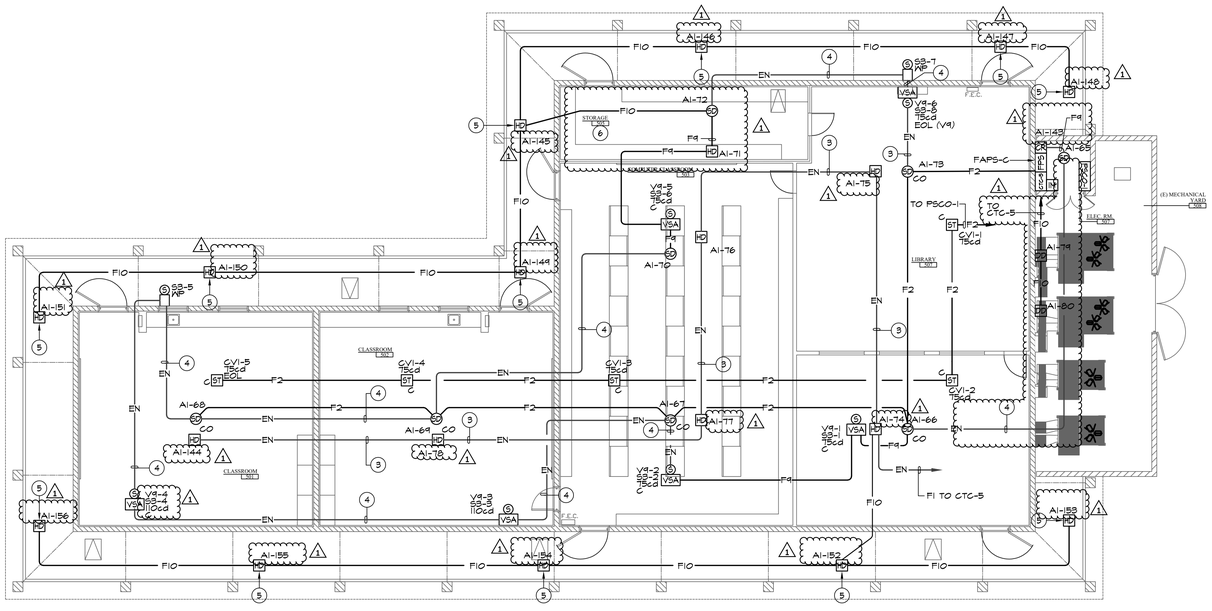
DATE: March 2026
DRAWN: LS / MS / DA
JOB: SJ21-01
SHEET: FA3.1 1

ADDENDUM 1, EXHIBIT "B"



NORTH

BUILDING 500 - DEMOLITION PLAN | SCALE: 1/8"=1'-0" | 1



NORTH

BUILDING 500 - PLAN | SCALE: 1/8"=1'-0" | 2

PLAN NOTES

1. REFER TO GENERAL NOTES AND DEMOLITION NOTES, SHEET E0.1, FOR ADDITIONAL REQUIREMENTS.
2. ALL CIRCUITS SERVING THE REMODEL AREA, WHETHER IDENTIFIED ON PLAN OR NOT, SHALL BE TRACED AND IDENTIFIED PRIOR TO START OF THE DEMOLITION PHASE. CIRCUITS AFFECTED BY THE REMODEL THAT SERVE AREAS OF THE BUILDINS THAT ARE NOT A PART OF THE REMODEL SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. INTERRUPTION OF SERVICE WILL NOT BE ALLOWED.
3. (1)-2/16 - SLC
4. (1)-2/16 - SLC
   (1)-2/16 AUDIO CABLE
   (2)-#12THWN CU WIRES
5. CONTRACTOR TO PROVIDE AND INSTALL NEW 12" X 12" ACCESS PANEL BELOW NEW HEAT DETECTOR FOR DEVICE ACCESS.
6. HARD LID CEILING.

CONSTRUCTION NOTES:

1. EXISTING FIRE ALARM SYSTEM SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. ALL COMPONENTS OF THE EXISTING FIRE ALARM SYSTEM (DEVICES, POWER SUPPLIES, CONDUIT, CABLING, ETC.) SHALL BE DISCONNECTED AND REMOVED UPON RECEIPT OF CERTIFICATION OF COMPLETION FROM DSA-FLS FOR THE INSTALLATION OF THE NEW FIRE ALARM SYSTEM.
2. REMOVE ALL ABANDONED APPLIANCES, DEVICES, CONDUCTORS AND CONDUITS ASSOCIATED WITH THE EXISTING FIRE ALARM SYSTEMS FROM THE SITE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL NEW CEILING MOUNTED FIRE ALARM DEVICES TO AVOID INTERFERENCE WITH EXISTING LIGHT FIXTURES, CEILING MOUNTED LOW VOLTAGE DEVICES, HVAC GRILLS AND CEILING GRIDS.
4. WHERE SURFACE MOUNTED RACEWAYS ARE REQUIRED DUE TO EXISTING WALL MATERIAL, CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND RECEIVE APPROVAL TO INSTALL SURFACE MOUNTED CONDUIT PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED CONDUIT. SURFACE MOUNTED RACEWAYS SHALL BE SIZED FOR THE QUANTITY OF CONDUCTORS CONTAINED THEREIN. RACEWAYS SHALL BE PAINTED, AS DIRECTED BY THE ARCHITECT, TO MATCH THE SURFACE ATTACHED TO.
5. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
6. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
7. AREAS WITH UNIT SUPPLYING MORE THAN 2,000 CFM SHALL BE EQUIPPED WITH AUTOMATIC SYSTEM SHUT DOWN PER 608 OF THE 2022 CMC.
8. THE CONTRACTOR SHALL NOTE THAT THE DRAWING IS DIAGRAMMATIC. EXACT ROUTING OF NEW CONDUITS AND LOCATION OF JUNCTION BOXES AND PULL BOXES SHALL BE COORDINATED AND DETERMINED IN THE FIELD. NEW CONDUIT, JUNCTION BOXES AND PULL BOXES SHALL BE ROUTED / PLACED IN SUCH A MANNER AS TO ADHERE TO ALL APPLICABLE CODES AND TO AVOID INTERFERENCE WITH EXISTING BUILDING STRUCTURES, UTILITIES AND THE WORK BEING PERFORMED BY OTHER TRADES. ALL EXTERIOR CONDUIT, FITTINGS, JUNCTION BOXES AND PULL BOXES TO BE WEATHER PROOF TYPE; NEMA 3R.
9. ALL FIRE ALARM SYSTEM DEVICES SHALL BE U.L. AND C.S.F.M. LISTED AND APPROVED.
10. ALL STROBE AND HORN/ STROBE DEVICES MOUNTED ABOVE MARKER BOARDS SHALL HAVE 2" MIN. SPACE BETWEEN THE TOP OF THE BOARD AND BOTTOM OF THE DEVICE.
11. SMOKE DETECTORS SHALL NOT BE MOUNTED CLOSER THAN 3 FT FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING. CONTRACTOR SHALL COORDINATE WITH EXISTING CONDITIONS PRIOR TO START OF WORK AND MAKE ALL ADJUSTMENT AS REQUIRED.
12. FIRE ALARM CONDUCTORS SHALL BE KEPT SEPARATE FROM ALL OTHER SYSTEMS. CONTRACTOR SHALL PROVIDE PERMANENT STEEL BARRIERS IN ALL JUNCTION BOXES, PULL BOXES, TERMINAL CABINETS, ETC. TO MAINTAIN SEPARATION.
13. FIRE ALARM CONDUIT SHALL BE 3/4" MIN, UNLESS OTHERWISE NOTED.

CONDUIT AND WIRE SPECIFICATIONS

LABEL	DESCRIPTION OF CONTENTS	CONDUIT SIZE (UNO)	CIRCUIT TYPE
F1	(1)-2/16	3/4" MIN.	SLC
F2	(2)-#12THWN CU WIRES	3/4" MIN.	NAC
F3	(1)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F4	(4)-#12THWN CU WIRES	3/4" MIN.	NAC
F5	(1)-2/16 PLUS (4)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F6	(2)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F7	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/SPKR
F8	(8)-#12THWN CU WIRES	1" MIN.	NAC
F9	(1)-2/16 PLUS (2)-#12THWN CU WIRES (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC/ SPKR
F10	(2)-2/16	3/4" MIN.	SLC
F11	(2)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F12	(1)-2/16 PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	SLC/NAC
F13	(2)-2/16 PLUS (4)-#12THWN CU WIRES (1)-4/C #16	1" MIN.	SLC/NAC SPKR
F14	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	SLC/SPKR
F15	(4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F16	(1)-2/16 PLUS (2)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
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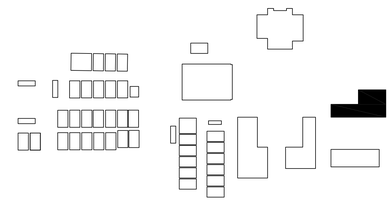
FS	(1)-4/C #16	3/4" MIN.	SBUS
FS1	(1)-4/C #16 PLUS (1) 2/16	3/4" MIN.	SBUS/NAC
FS2	(1)-4/C #16 SBUS PLUS (4)-#12THWN CU WIRES	1" MIN.	SBUS/NAC
FA1	(1)-2/16 AUDIO CABLE	3/4" MIN.	SPKR
FA2	(2)-2/16 AUDIO CABLE	3/4" MIN.	SPKR

NOTES:
1. 2/16 = ATLAS WIRE 222-16-1-17P; INSIDE ONLY.
2. 2/16 = ATLAS WIRE 213-16-19-2J; UNDERGROUND.
3. ALL WIRING TO BE LISTED FOR USE AS REQUIRED BY TITLE 24/CEC, ART. 760.
4. "THWN", "AQUASEAL", OR EQUAL TO BE USED IN WET LOCATIONS.

COMPLETE AUTOMATIC FIRE ALARM SYSTEM SUBMITTAL



KEY PLAN | SCALE: NONE | 3

REVISIONS	BY
1 ADDENDUM 01	MS

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REN. 6-2027
STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES
@ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
BUILDING 500 - FIRE ALARM PLANS

DATE: March 2026
DRAWN: LS / MS / DA
JOB: 5J21-01
SHEET: FA5.1

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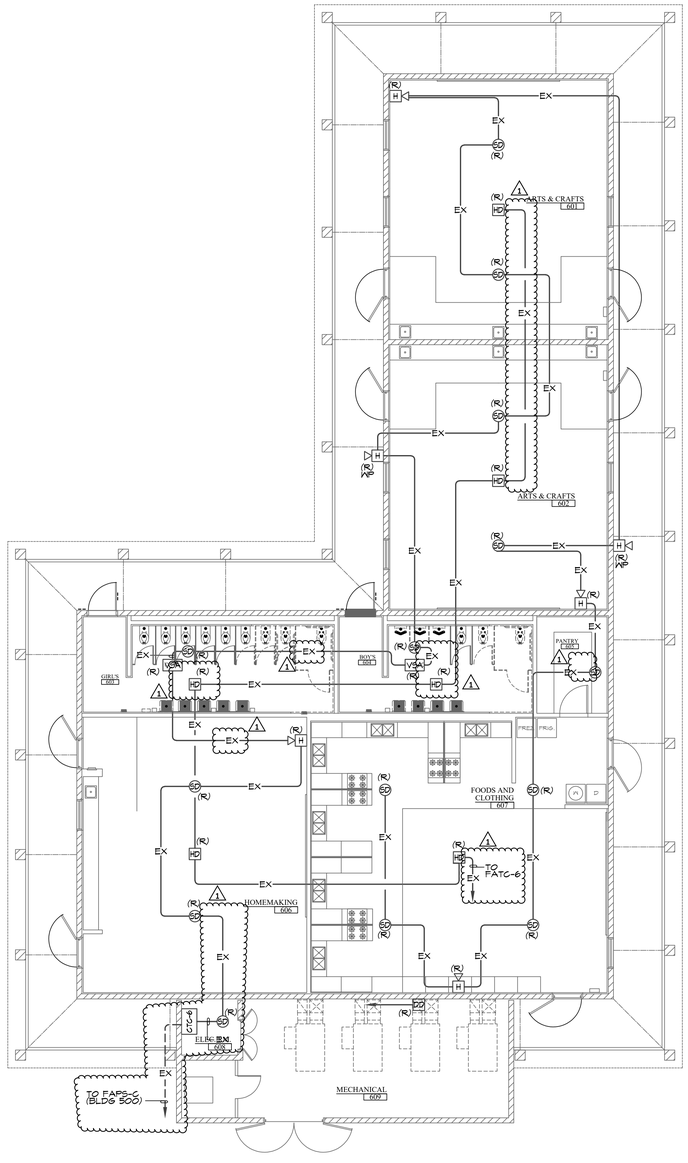
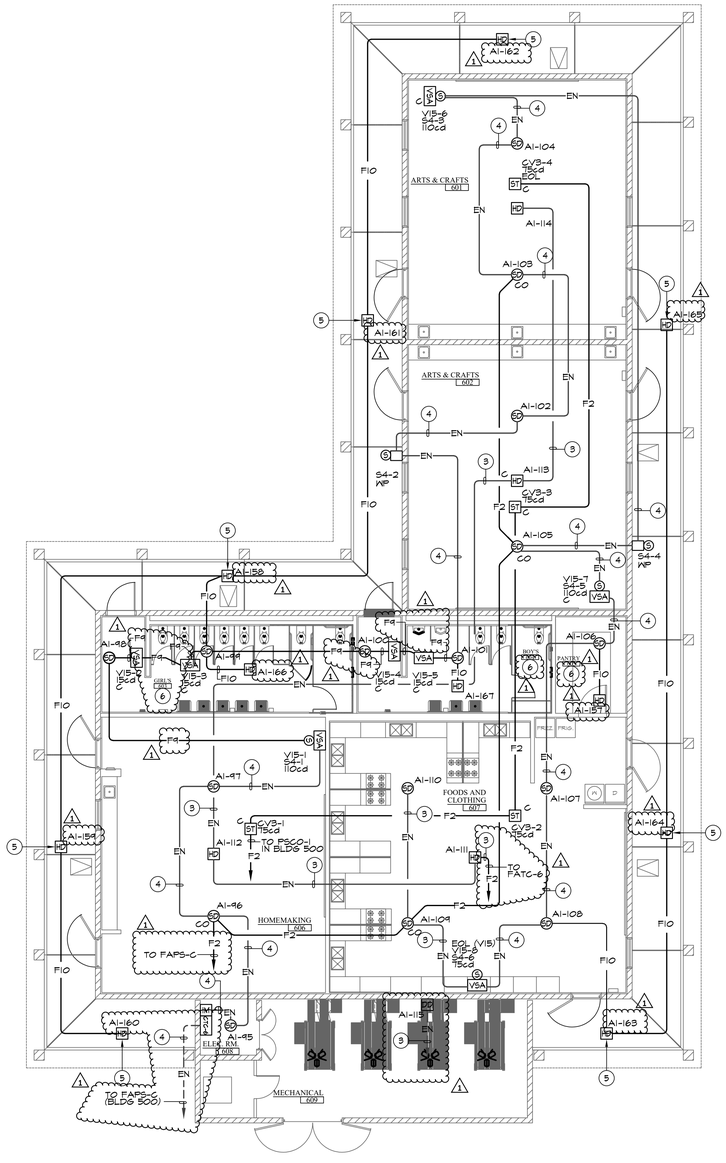
ADDENDUM 1, EXHIBIT "B"



NORTH

BUILDING 600 - DEMOLITION FIRE ALARM PLAN | SCALE: 1/8"=1'-0" | 1



NORTH

BUILDING 600 - REMODEL FIRE ALARM PLAN | SCALE: 1/8"=1'-0" | 2

PLAN NOTES

1. REFER TO GENERAL NOTES AND DEMOLITION NOTES, SHEET E0.1, FOR ADDITIONAL REQUIREMENTS.
2. ALL CIRCUITS SERVING THE REMODEL AREA, WHETHER IDENTIFIED ON PLAN OR NOT, SHALL BE TRACED AND IDENTIFIED PRIOR TO START OF THE DEMOLITION PHASE. CIRCUITS AFFECTED BY THE REMODEL THAT SERVE AREAS OF THE BUILDINGS THAT ARE NOT A PART OF THE REMODEL SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. INTERRUPTION OF SERVICE WILL NOT BE ALLOWED.
3. (1)-2/16 - SLC
4. (1)-2/16 - SLC
   (1)-2/16 AUDIO CABLE
   (2)-#12THWN CU WIRES
5. CONTRACTOR TO PROVIDE AND INSTALL NEW 12" X 12" ACCESS PANEL BELOW NEW HEAT DETECTOR FOR DEVICE ACCESS.
6. HARD LID CEILING.

CONSTRUCTION NOTES:

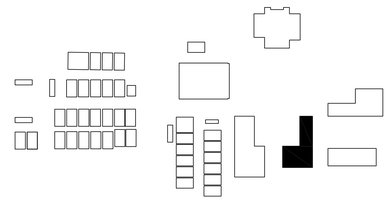
1. EXISTING FIRE ALARM SYSTEM SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. ALL COMPONENTS OF THE EXISTING FIRE ALARM SYSTEM (DEVICES, POWER SUPPLIES, CONDUIT, CABLING, ETC.) SHALL BE DISCONNECTED AND REMOVED UPON RECEIPT OF CERTIFICATION OF COMPLETION FROM DSA-FLS FOR THE INSTALLATION OF THE NEW FIRE ALARM SYSTEM.
2. REMOVE ALL ABANDONED APPLIANCES, DEVICES, CONDUCTORS AND CONDUITS ASSOCIATED WITH THE EXISTING FIRE ALARM SYSTEMS FROM THE SITE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL NEW CEILING MOUNTED FIRE ALARM DEVICES TO AVOID INTERFERENCE WITH EXISTING LIGHT FIXTURES, CEILING MOUNTED LOW VOLTAGE DEVICES, HVAC GRILLS AND CEILING GRIDS.
4. WHERE SURFACE MOUNTED RACEWAYS ARE REQUIRED DUE TO EXISTING WALL MATERIAL, CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND RECEIVE APPROVAL TO INSTALL SURFACE MOUNTED CONDUIT PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED CONDUIT. SURFACE MOUNTED RACEWAYS SHALL BE SIZED FOR THE QUANTITY OF CONDUCTORS CONTAINED THEREIN. RACEWAYS SHALL BE PAINTED, AS DIRECTED BY THE ARCHITECT, TO MATCH THE SURFACE ATTACHED TO.
5. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
6. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
7. AREAS WITH UNIT SUPPLYING MORE THAN 2,000 CFM SHALL BE EQUIPPED WITH AUTOMATIC SYSTEM SHUT DOWN PER 608 OF THE 2022 CMC.
8. THE CONTRACTOR SHALL NOTE THAT THE DRAWING IS DIAGRAMMATIC. EXACT ROUTING OF NEW CONDUITS AND LOCATION OF JUNCTION BOXES AND PULL BOXES SHALL BE COORDINATED AND DETERMINED IN THE FIELD. NEW CONDUIT, JUNCTION BOXES AND PULL BOXES SHALL BE ROUTED / PLACED IN SUCH A MANNER AS TO ADHERE TO ALL APPLICABLE CODES AND TO AVOID INTERFERENCE WITH EXISTING BUILDING STRUCTURES, UTILITIES AND THE WORK BEING PERFORMED BY OTHER TRADES. ALL EXTERIOR CONDUIT, FITTINGS, JUNCTION BOXES AND PULL BOXES TO BE WEATHER PROOF TYPE; NEMA 3R.
9. ALL FIRE ALARM SYSTEM DEVICES SHALL BE U.L. AND C.S.F.M. LISTED AND APPROVED.
10. ALL STROBE AND HORN/ STROBE DEVICES MOUNTED ABOVE MARKER BOARDS SHALL HAVE 2" MIN. SPACE BETWEEN THE TOP OF THE BOARD AND BOTTOM OF THE DEVICE.
11. SMOKE DETECTORS SHALL NOT BE MOUNTED CLOSER THAN 3 FT FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING. CONTRACTOR SHALL COORDINATE WITH EXISTING CONDITIONS PRIOR TO START OF WORK AND MAKE ALL ADJUSTMENT AS REQUIRED.
12. FIRE ALARM CONDUCTORS SHALL BE KEPT SEPARATE FROM ALL OTHER SYSTEMS. CONTRACTOR SHALL PROVIDE PERMANENT STEEL BARRIERS IN ALL JUNCTION BOXES, PULL BOXES, TERMINAL CABINETS, ETC. TO MAINTAIN SEPARATION.
13. FIRE ALARM CONDUIT SHALL BE 3/4" MIN., UNLESS OTHERWISE NOTED.

CONDUIT AND WIRE SPECIFICATIONS

LABEL	DESCRIPTION OF CONTENTS	CONDUIT SIZE (UNO)	CIRCUIT TYPE
F1	(1)-2/16	3/4" MIN.	SLC
F2	(2)-#12THWN CU WIRES	3/4" MIN.	NAC
F3	(1)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F4	(4)-#12THWN CU WIRES	3/4" MIN.	NAC
F5	(1)-2/16 PLUS (4)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F6	(2)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F7	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/SPKR
F8	(8)-#12THWN CU WIRES	1" MIN.	NAC
F9	(1)-2/16 PLUS (2)-#12THWN CU WIRES (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC/ SPKR
F10	(2)-2/16	3/4" MIN.	SLC
F11	(2)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F12	(1)-2/16 PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	SLC/NAC
F13	(2)-2/16 PLUS (4)-#12THWN CU WIRES (1)-4/C #16	1" MIN.	SLC/NAC SPKR
F14	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	SLC/SPKR
F15	(4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F16	(1)-2/16 PLUS (2)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
F17	(2)-2/16 PLUS (4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
F18	(1)-2/16 PLUS (4)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
FS	(1)-4/C #16	3/4" MIN.	SBUS
FS1	(1)-4/C #16 PLUS (1) 2/16	3/4" MIN.	SBUS/NAC
FS2	(1)-4/C #16 SBUS PLUS (4)-#12THWN CU WIRES	1" MIN.	SBUS/NAC
FA1	(1)-2/16 AUDIO CABLE	3/4" MIN.	SPKR
FA2	(2)-2/16 AUDIO CABLE	3/4" MIN.	SPKR

NOTES:
1. 2/16 = ATLAS WIRE 222-16-1-17P; INSIDE ONLY.
2. 2/16 = ATLAS WIRE 213-16-19-2J; UNDERGROUND.
3. ALL WIRING TO BE LISTED FOR USE AS REQUIRED BY TITLE 24/CEC, ART. 760.
4. "THHN", "AQUASEAL", OR EQUAL TO BE USED IN WET LOCATIONS.

COMPLETE AUTOMATIC FIRE ALARM SYSTEM SUBMITTAL



KEY PLAN | SCALE: NONE | 3

REVISIONS	BY
1 ADDENDUM 01	MS

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LICENSED ARCHITECT
BASTIEN
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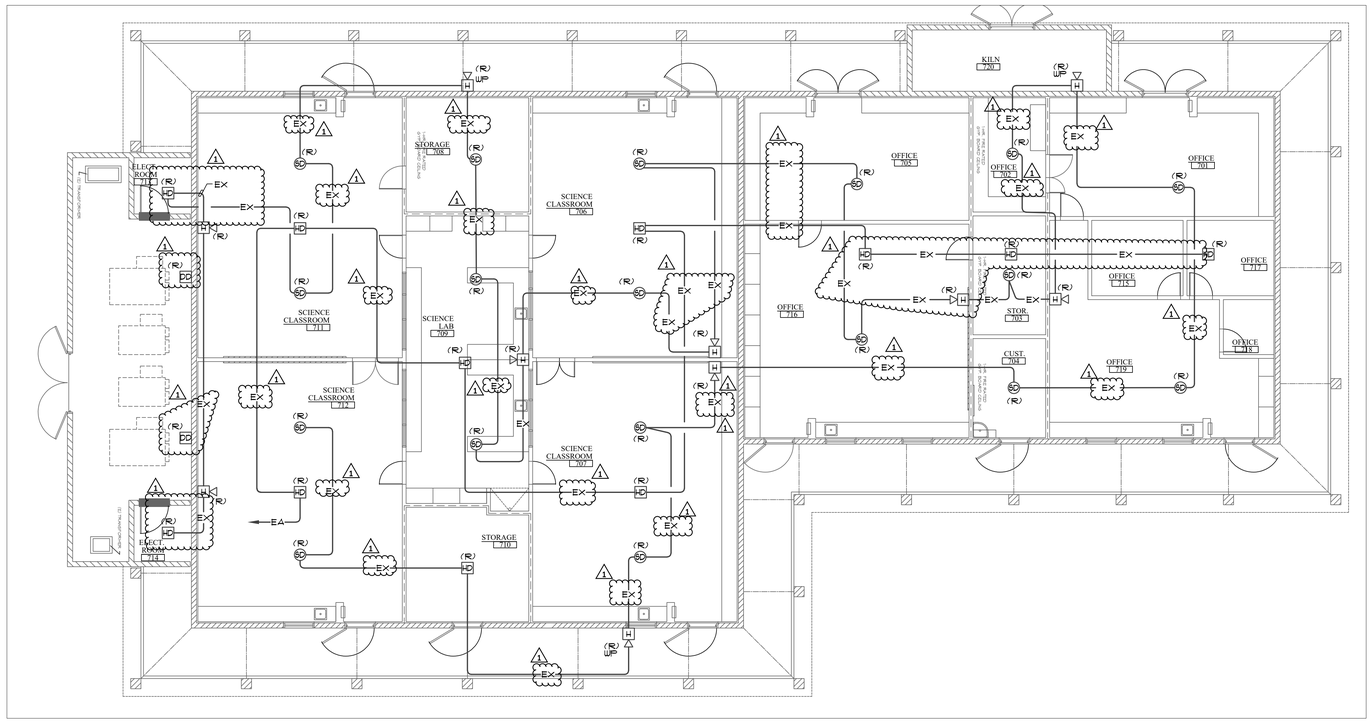
REN. 6-2027
STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES
@ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
BUILDING 600 - FIRE ALARM PLANS

DATE: March 2026
DRAWN: LS / MS / DA
JOB: 5J21-01
SHEET: FA6.1 1

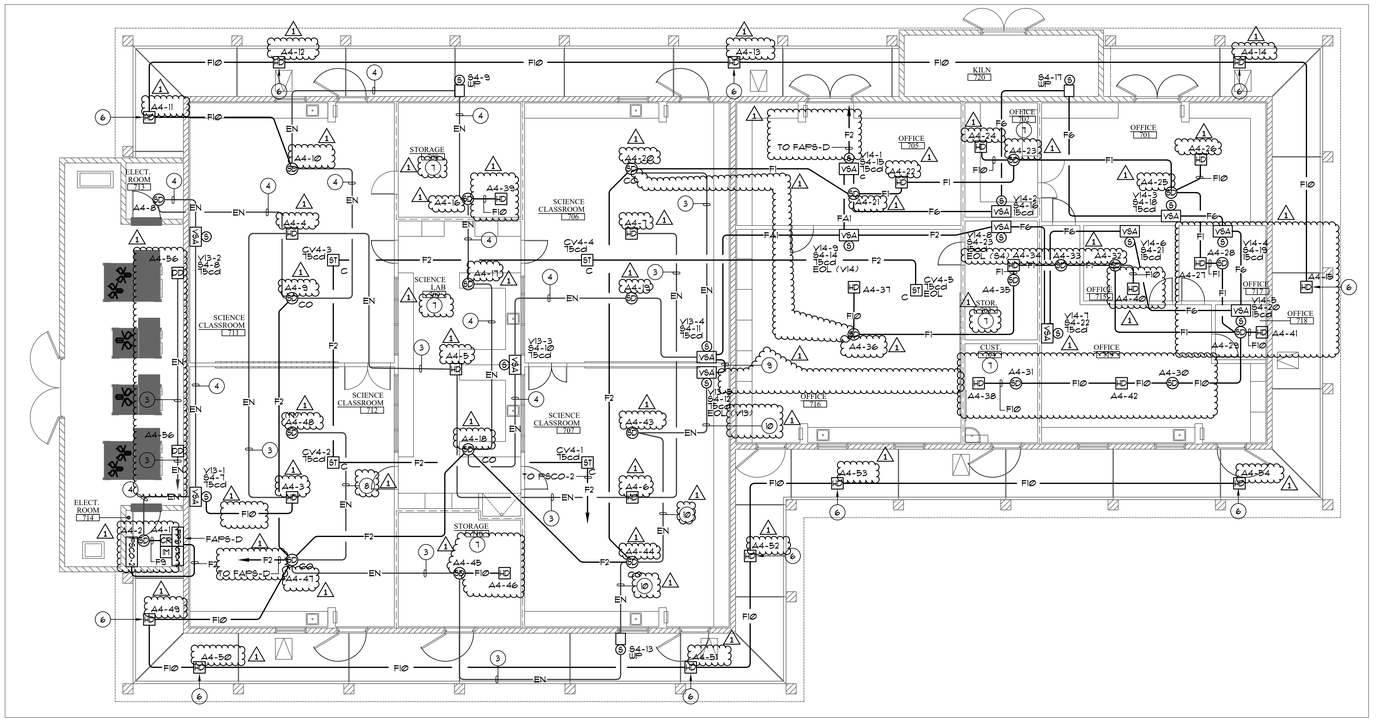
ADDENDUM 1, EXHIBIT "B"



BUILDING 700 - DEMOLITION FIRE ALARM PLAN

SCALE: 1/8"=1'-0"

29



COMPLETE AUTOMATIC FIRE ALARM SYSTEM SUBMITTAL

BUILDING 700 - REMODEL FIRE ALARM PLAN

SCALE: 1/8"=1'-0"

2

PLAN NOTES

1. REFER TO GENERAL NOTES AND DEMOLITION NOTES, SHEET E0.1, FOR ADDITIONAL REQUIREMENTS.
2. ALL CIRCUITS SERVING THE REMODEL AREA, WHETHER IDENTIFIED ON PLAN OR NOT, SHALL BE TRACED AND IDENTIFIED PRIOR TO START OF THE DEMOLITION PHASE. CIRCUITS AFFECTED BY THE REMODEL THAT SERVE AREAS OF THE BUILDING THAT ARE NOT A PART OF THE REMODEL SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. INTERRUPTION OF SERVICE WILL NOT BE ALLOWED.
3. (1)-2/16 - SLC
4. (1)-2/16 - SLC
   (1)-2/16 AUDIO CABLE
   (2)-#12THWN CU WIRES
5. (1)-2/16 - SLC
   (2)-2/16 AUDIO CABLE
6. CONTRACTOR TO PROVIDE AND INSTALL NEW 12" X 12" ACCESS PANEL BELOW NEW HEAT DETECTOR FOR DEVICE ACCESS.
7. HARD LID CEILING.
8. (2)-2/16 - SLC
9. (2)-2/16 - SLC
   (2)-2/16 AUDIO CABLE
   (2)-#12THWN CU WIRES
10. (2)-2/16 - SLC
    (2)-2/16 AUDIO CABLE

CONSTRUCTION NOTES:

1. EXISTING FIRE ALARM SYSTEM SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. ALL COMPONENTS OF THE EXISTING FIRE ALARM SYSTEM (DEVICES, POWER SUPPLIES, CONDUIT, CABLING, ETC.) SHALL BE DISCONNECTED AND REMOVED UPON RECEIPT OF CERTIFICATION OF COMPLETION FROM DSA-FLS FOR THE INSTALLATION OF THE NEW FIRE ALARM SYSTEM.
2. REMOVE ALL ABANDONED APPLIANCES, DEVICES, CONDUCTORS AND CONDUITS ASSOCIATED WITH THE EXISTING FIRE ALARM SYSTEMS FROM THE SITE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL NEW CEILING MOUNTED FIRE ALARM DEVICES TO AVOID INTERFERENCE WITH EXISTING LIGHT FIXTURES, CEILING MOUNTED LOW VOLTAGE DEVICES, HVAC GRILLS AND CEILING GRIDS.
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5. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
6. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
7. AREAS WITH UNIT SUPPLYING MORE THAN 2,000 CFM SHALL BE EQUIPPED WITH AUTOMATIC SYSTEM SHUT DOWN PER 608 OF THE 2022 CMC.
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9. ALL FIRE ALARM SYSTEM DEVICES SHALL BE UL AND C.S.F.M. LISTED AND APPROVED.
10. ALL STROBE AND HORN/ STROBE DEVICES MOUNTED ABOVE MARKER BOARDS SHALL HAVE 2" MIN. SPACE BETWEEN THE TOP OF THE BOARD AND BOTTOM OF THE DEVICE.
11. SMOKE DETECTORS SHALL NOT BE MOUNTED CLOSER THAN 3 FT FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING. CONTRACTOR SHALL COORDINATE WITH EXISTING CONDITIONS PRIOR TO START OF WORK AND MAKE ALL ADJUSTMENT AS REQUIRED.
12. FIRE ALARM CONDUCTORS SHALL BE KEPT SEPARATE FROM ALL OTHER SYSTEMS. CONTRACTOR SHALL PROVIDE PERMANENT STEEL BARRIERS IN ALL JUNCTION BOXES, PULL BOXES, TERMINAL CABINETS, ETC. TO MAINTAIN SEPARATION.
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CONDUIT AND WIRE SPECIFICATIONS

LABEL	DESCRIPTION OF CONTENTS	CONDUIT SIZE (UNO)	CIRCUIT TYPE
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F2	(2)-#12THWN CU WIRES	3/4" MIN.	NAC
F3	(1)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F4	(4)-#12THWN CU WIRES	3/4" MIN.	NAC
F5	(1)-2/16 PLUS (4)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F6	(2)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F7	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/SPKR
F8	(8)-#12THWN CU WIRES	1" MIN.	NAC
F9	(1)-2/16 PLUS (2)-#12THWN CU WIRES (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC/ SPKR
F10	(2)-2/16	3/4" MIN.	SLC
F11	(2)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F12	(1)-2/16 PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	SLC/NAC
F13	(2)-2/16 PLUS (4)-#12THWN CU WIRES (1)-4/C #16	1" MIN.	SLC/NAC SPKR
F14	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	SLC/SPKR
F15	(4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F16	(1)-2/16 PLUS (2)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
F17	(2)-2/16 PLUS (4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
F18	(1)-2/16 PLUS (4)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
FS	(1)-4/C #16	3/4" MIN.	SBUS
FS1	(1)-4/C #16 PLUS (1) 2/16	3/4" MIN.	SBUS/NAC
FS2	(1)-4/C #16 SBUS PLUS (4)-#12THWN CU WIRES	1" MIN.	SBUS/NAC
FA1	(1)-2/16 AUDIO CABLE	3/4" MIN.	SPKR
FA2	(2)-2/16 AUDIO CABLE	3/4" MIN.	SPKR

NOTES:
1. 2/16 = ATLAS WIRE 222-16-1-17P; INSIDE ONLY.
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3. ALL WIRING TO BE LISTED FOR USE AS REQUIRED BY TITLE 24/CEC, ART. 760.
4. "THWN", "AQUASEAL", OR EQUAL TO BE USED IN WET LOCATIONS.

KEY PLAN

SCALE: NONE

3

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1 ADDENDUM 01	MS

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ARCHITECT

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LIC. C-27546
REN. 6-2027
STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES
@ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
BUILDING 700 - FIRE ALARM PLANS

DATE: March 2026
DRAWN: LS / MS / DA
JOB: SJ21-01
SHEET:
FA7.1
1

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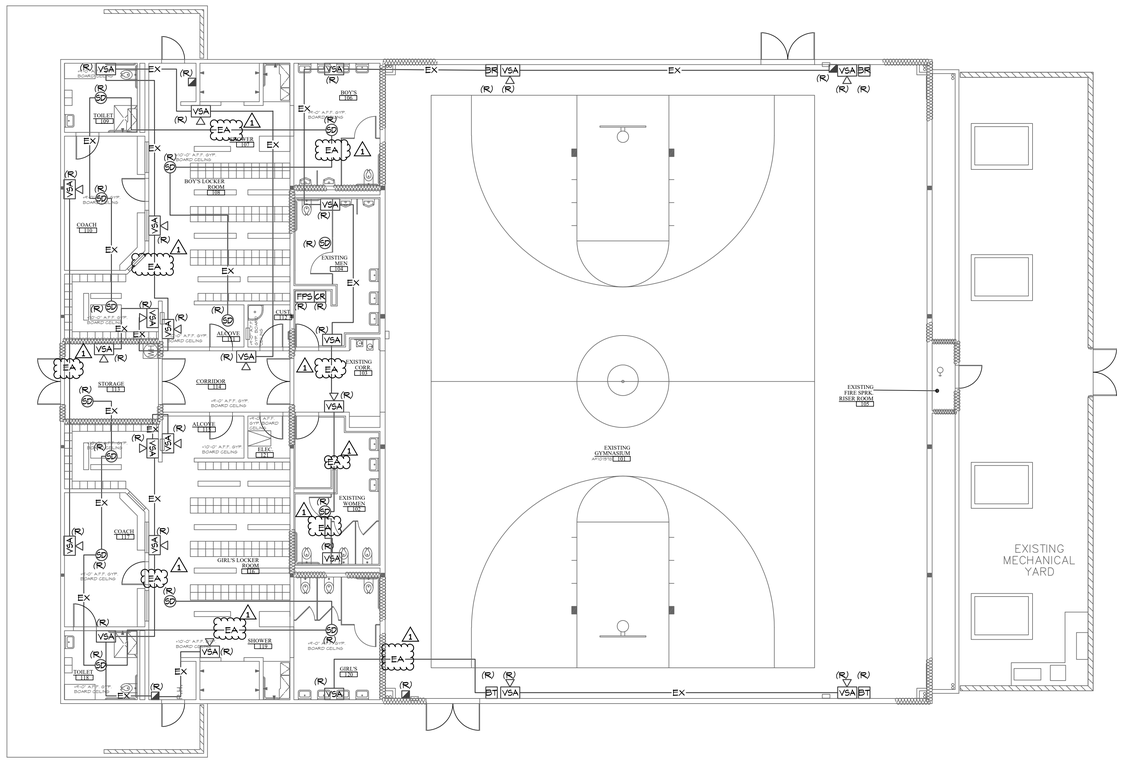
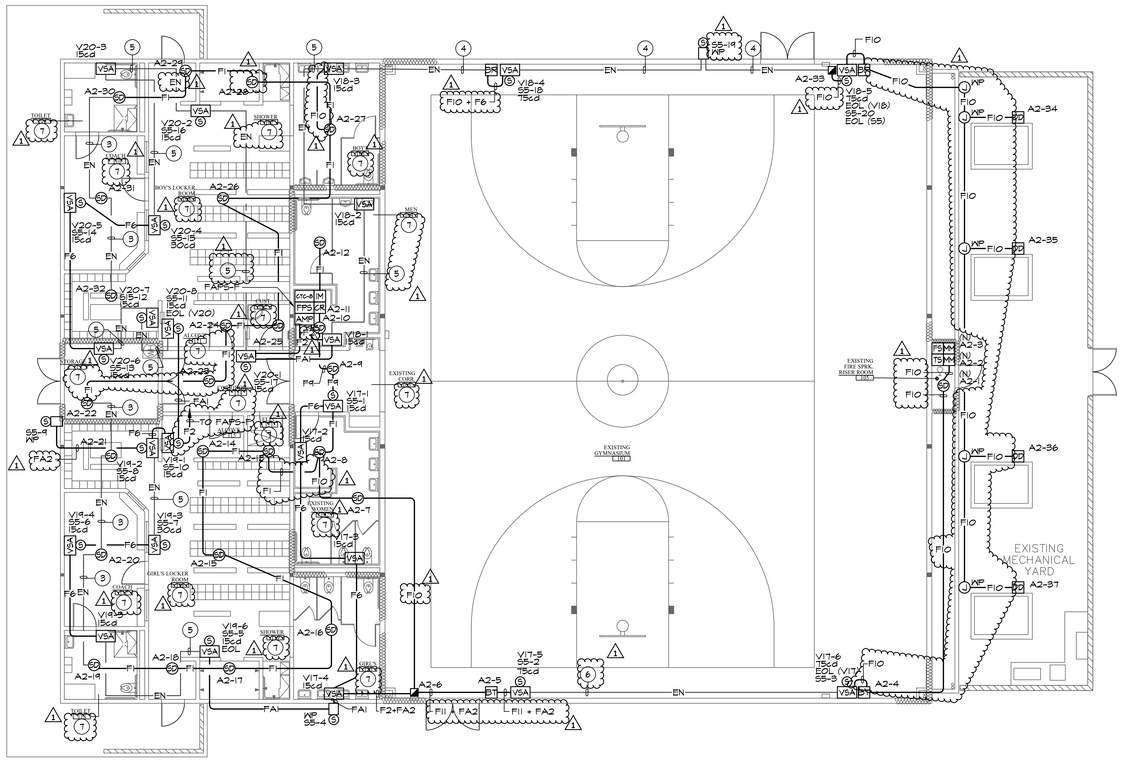
ADDENDUM 1, EXHIBIT "B"



BUILDING 800 - DEMOLITION PLAN | SCALE: 1/8"=1'-0" | 29



BUILDING 800 - REMODEL PLAN | SCALE: 1/8"=1'-0" | 2

PLAN NOTES

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3. (1)-2/16 - SLC
4. (1)-2/16 - SLC
   (1)-2/16 AUDIO CABLE
   (2)-#12THWN CU WIRES
5. (1)-2/16 AUDIO CABLE
   (2)-#12THWN CU WIRES
6. (2)-2/16 - SLC
   (2)-#12THWN CU WIRES
   (2)-2/16 AUDIO CABLE
7. HARD LID CEILING.

CONSTRUCTION NOTES:

1. EXISTING FIRE ALARM SYSTEM SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. ALL COMPONENTS OF THE EXISTING FIRE ALARM SYSTEM (DEVICES, POWER SUPPLIES, CONDUIT, CABLING, ETC.) SHALL BE DISCONNECTED AND REMOVED UPON RECEIPT OF CERTIFICATION OF COMPLETION FROM DSA-FLS FOR THE INSTALLATION OF THE NEW FIRE ALARM SYSTEM.
2. REMOVE ALL ABANDONED APPLIANCES, DEVICES, CONDUCTORS AND CONDUITS ASSOCIATED WITH THE EXISTING FIRE ALARM SYSTEMS FROM THE SITE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL NEW CEILING MOUNTED FIRE ALARM DEVICES TO AVOID INTERFERENCE WITH EXISTING LIGHT FIXTURES, CEILING MOUNTED LOW VOLTAGE DEVICES, HVAC GRILLS AND CEILING GRIDS.
4. WHERE SURFACE MOUNTED RACEWAYS ARE REQUIRED DUE TO EXISTING WALL MATERIAL, CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND RECEIVE APPROVAL TO INSTALL SURFACE MOUNTED CONDUIT PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED CONDUIT. SURFACE MOUNTED RACEWAYS SHALL BE SIZED FOR THE QUANTITY OF CONDUCTORS CONTAINED THEREIN. RACEWAYS SHALL BE PAINTED, AS DIRECTED BY THE ARCHITECT, TO MATCH THE SURFACE ATTACHED TO.
5. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
6. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
7. AREAS WITH UNIT SUPPLYING MORE THAN 2,000 CFM SHALL BE EQUIPPED WITH AUTOMATIC SYSTEM SHUT DOWN PER 608 OF THE 2022 CMC.
8. THE CONTRACTOR SHALL NOTE THAT THE DRAWING IS DIAGRAMMATIC. EXACT ROUTING OF NEW CONDUITS AND LOCATION OF JUNCTION BOXES AND PULL BOXES SHALL BE COORDINATED AND DETERMINED IN THE FIELD. NEW CONDUIT, JUNCTION BOXES AND PULL BOXES SHALL BE ROUTED / PLACED IN SUCH A MANNER AS TO ADHERE TO ALL APPLICABLE CODES AND TO AVOID INTERFERENCE WITH EXISTING BUILDING STRUCTURES, UTILITIES AND THE WORK BEING PERFORMED BY OTHER TRADES. ALL EXTERIOR CONDUIT, FITTINGS, JUNCTION BOXES AND PULL BOXES TO BE WEATHER PROOF TYPE, NEMA 3R.
9. ALL FIRE ALARM SYSTEM DEVICES SHALL BE U.L. AND C.S.F.M. LISTED AND APPROVED.
10. ALL STROBE AND HORN/ STROBE DEVICES MOUNTED ABOVE MARKER BOARDS SHALL HAVE 2" MIN. SPACE BETWEEN THE TOP OF THE BOARD AND BOTTOM OF THE DEVICE.
11. SMOKE DETECTORS SHALL NOT BE MOUNTED CLOSER THAN 3 FT FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING. CONTRACTOR SHALL COORDINATE WITH EXISTING CONDITIONS PRIOR TO START OF WORK AND MAKE ALL ADJUSTMENT AS REQUIRED.
12. FIRE ALARM CONDUCTORS SHALL BE KEPT SEPARATE FROM ALL OTHER SYSTEMS. CONTRACTOR SHALL PROVIDE PERMANENT STEEL BARRIERS IN ALL JUNCTION BOXES, PULL BOXES, TERMINAL CABINETS, ETC. TO MAINTAIN SEPARATION.
13. FIRE ALARM CONDUIT SHALL BE 3/4" MIN., UNLESS OTHERWISE NOTED.

CONDUIT AND WIRE SPECIFICATIONS

LABEL	DESCRIPTION OF CONTENTS	CONDUIT SIZE (UNO)	CIRCUIT TYPE
F1	(1)-2/16	3/4" MIN.	SLC
F2	(2)-#12THWN CU WIRES	3/4" MIN.	NAC
F3	(1)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F4	(4)-#12THWN CU WIRES	3/4" MIN.	NAC
F5	(1)-2/16 PLUS (4)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F6	(2)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F7	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/SPKR
F8	(8)-#12THWN CU WIRES	1" MIN.	NAC
F9	(1)-2/16 PLUS (2)-#12THWN CU WIRES (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC/ SPKR
F10	(2)-2/16	3/4" MIN.	SLC
F11	(2)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F12	(2)-2/16 PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	SLC/NAC
F13	(2)-2/16 PLUS (4)-#12THWN CU WIRES (1)-C #16	1" MIN.	SLC/NAC SPKR
F14	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	SLC/SPKR
F15	(4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F16	(1)-2/16 PLUS (2)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
F17	(2)-2/16 PLUS (4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
F18	(1)-2/16 PLUS (4)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
FS	(1)-4/C #16	3/4" MIN.	SBUS
FS1	(1)-4/C #16 PLUS (1) 2/16	3/4" MIN.	SBUS/NAC
FS2	(1)-4/C #16 SBUS PLUS (4)-#12THWN CU WIRES	1" MIN.	SBUS/NAC
FA1	(1)-2/16 AUDIO CABLE	3/4" MIN.	SPKR
FA2	(2)-2/16 AUDIO CABLE	3/4" MIN.	SPKR

NOTES:
1. 2/16 = ATLAS WIRE 222-16-1-1TP; INSIDE ONLY.
2. 2/16 = ATLAS WIRE 213-18-19-2J; UNDERGROUND.
3. ALL WIRING TO BE LISTED FOR USE AS REQUIRED BY TITLE 24/CEC, ART. 760.
4. "THWN", "AQUASEAL", OR EQUAL TO BE USED IN WET LOCATIONS.

COMPLETE AUTOMATIC FIRE ALARM SYSTEM SUBMITTAL

KEY PLAN | SCALE: NONE | 3

REVISIONS	BY
1 ADDENDUM 01	MS

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LICENSED ARCHITECT BASTIAN No. C-27546 REN. 6-2027 STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES
@ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: BUILDING 800 - FIRE ALARM PLANS

DATE: March 2026
DRAWN: LS / MS / DA
JOB: SJ21-01
SHEET: FA8.1

ADDENDUM 1, EXHIBIT "B"

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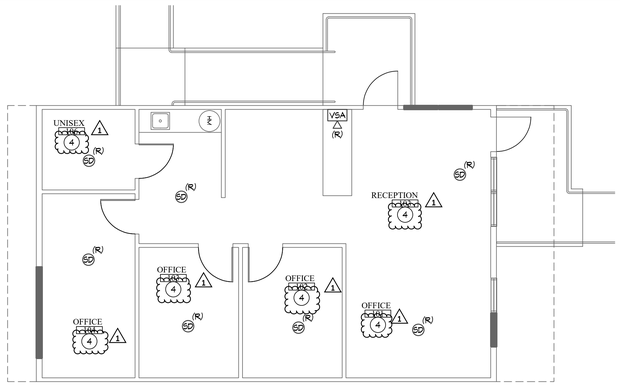
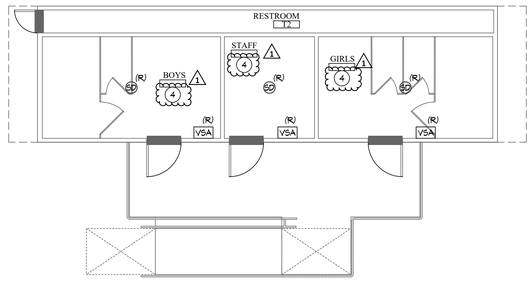
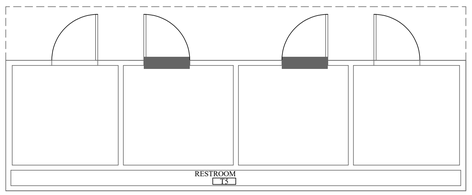


ADMINISTRATION BUILDING 100 - DEMOLITION FIRE ALARM PLAN | SCALE: 3/16"=1'-0" | 1

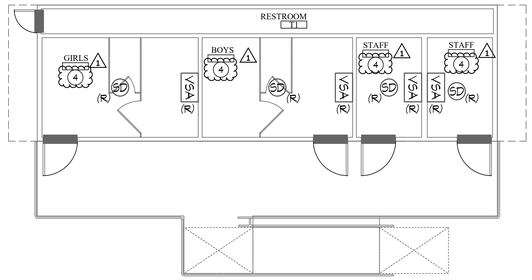


RELO. TOILET BUILDING "T2" - DEMOLITION FIRE ALARM PLAN | SCALE: 3/16"=1'-0" | 2

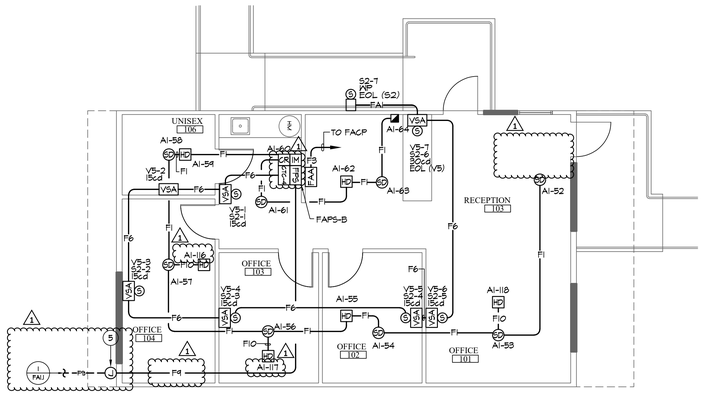


NOTE: STAFF RESTROOMS HAVE NO FIRE ALARM DEVICES. SHOWN FOR REFERENCE.

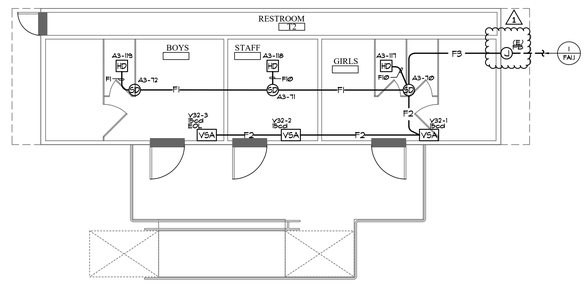
RELO TOILET BUILDING "T5" - DEMOLITION FIRE ALARM PLAN | SCALE: 1/4"=1'-0" | 3



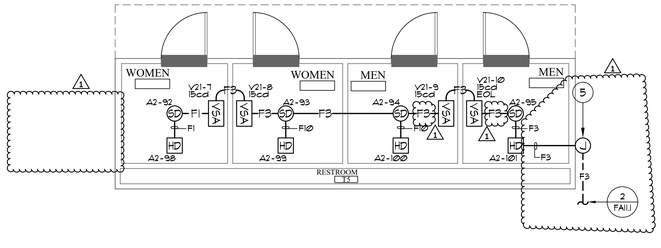
RELO. TOILET BUILDING "T1" - DEMOLITION FIRE ALARM PLAN | SCALE: 3/16"=1'-0" | 4



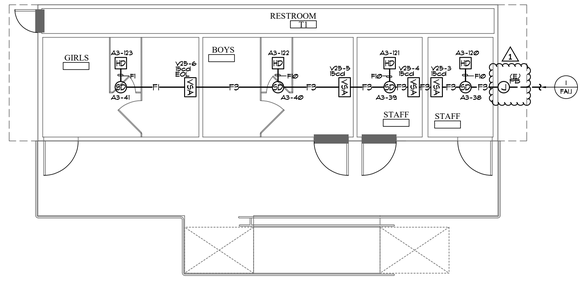
ADMINISTRATION BUILDING 100 - REMODEL FIRE ALARM PLAN | SCALE: 3/16"=1'-0" | 5



RELO. TOILET BUILDING "T2" - REMODEL FIRE ALARM PLAN | SCALE: 3/16"=1'-0" | 6



RELO. TOILET BUILDING "T5" - REMODEL FIRE ALARM PLAN | SCALE: 1/4"=1'-0" | 7



RELO. TOILET BUILDING "T1" - REMODEL FIRE ALARM PLAN | SCALE: 3/16"=1'-0" | 8

PLAN NOTES

1. REFER TO GENERAL NOTES AND DEMOLITION NOTES, SHEET E0.1, FOR ADDITIONAL REQUIREMENTS.
2. ALL CIRCUITS SERVING THE REMODEL AREA, WHETHER IDENTIFIED ON PLAN OR NOT, SHALL BE TRACED AND IDENTIFIED PRIOR TO START OF THE DEMOLITION PHASE. CIRCUITS AFFECTED BY THE REMODEL THAT SERVE AREAS OF THE BUILDINGS THAT ARE NOT A PART OF THE REMODEL SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. INTERRUPTION OF SERVICE WILL NOT BE ALLOWED.
3. REPLACE FIRE ALARM POWER SUPPLY WITH PULL BOX "PB-FA" REFER TO NEW FIRE ALARM PLANS FOR REQUIREMENTS.
4. EXISTING FIRE ALARM CONDUIT AND WIRING SHALL BE REMOVED FROM PORTABLE.
5. NEW WALL MOUNTED NEMA 3R JUNCTION BOX WITH SCREW ON COVER AND TAMPER PROOF SCREWS. NEW JUNCTION BOX SHALL BE SIZED TO ACCOMMODATE THE QUANTITY AND SIZE OF CONDUITS ENTERING AND LEAVING IT.

CONSTRUCTION NOTES:

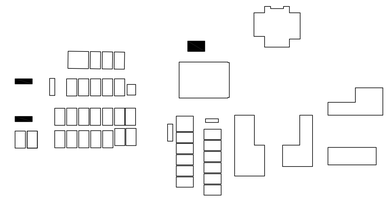
1. EXISTING FIRE ALARM SYSTEM SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. ALL COMPONENTS OF THE EXISTING FIRE ALARM SYSTEM (DEVICES, POWER SUPPLIES, CONDUIT, CABLING, ETC.) SHALL BE DISCONNECTED AND REMOVED UPON RECEIPT OF CERTIFICATION OF COMPLETION FROM DSA-FLS FOR THE INSTALLATION OF THE NEW FIRE ALARM SYSTEM.
2. REMOVE ALL ABANDONED APPLIANCES, DEVICES, CONDUCTORS AND CONDUITS ASSOCIATED WITH THE EXISTING FIRE ALARM SYSTEMS FROM THE SITE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL NEW CEILING MOUNTED FIRE ALARM DEVICES TO AVOID INTERFERENCE WITH EXISTING LIGHT FIXTURES, CEILING MOUNTED LOW VOLTAGE DEVICES, HVAC GRILLS AND CEILING GRIDS.
4. WHERE SURFACE MOUNTED RACEWAYS ARE REQUIRED DUE TO EXISTING WALL MATERIAL, CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND RECEIVE APPROVAL TO INSTALL SURFACE MOUNTED CONDUIT PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED CONDUIT. SURFACE MOUNTED RACEWAYS SHALL BE SIZED FOR THE QUANTITY OF CONDUCTORS CONTAINED THEREIN. RACEWAYS SHALL BE PAINTED, AS DIRECTED BY THE ARCHITECT, TO MATCH THE SURFACE ATTACHED TO.
5. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
6. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
7. AREAS WITH UNIT SUPPLYING MORE THAN 2,000 CFM SHALL BE EQUIPPED WITH AUTOMATIC SYSTEM SHUT DOWN PER 608 OF THE 2022 CMC.
8. THE CONTRACTOR SHALL NOTE THAT THE DRAWING IS DIAGRAMMATIC. EXACT ROUTING OF NEW CONDUITS AND LOCATION OF JUNCTION BOXES AND PULL BOXES SHALL BE COORDINATED AND DETERMINED IN THE FIELD. NEW CONDUIT, JUNCTION BOXES AND PULL BOXES SHALL BE ROUTED / PLACED IN SUCH A MANNER AS TO ADHERE TO ALL APPLICABLE CODES AND TO AVOID INTERFERENCE WITH EXISTING BUILDING STRUCTURES, UTILITIES AND THE WORK BEING PERFORMED BY OTHER TRADES. ALL EXTERIOR CONDUIT, FITTINGS, JUNCTION BOXES AND PULL BOXES TO BE WEATHER PROOF TYPE; NEMA 3R.
9. ALL FIRE ALARM SYSTEM DEVICES SHALL BE U.L. AND C.S.F.M. LISTED AND APPROVED.
10. ALL STROBE AND HORN/ STROBE DEVICES MOUNTED ABOVE MARKER BOARDS SHALL HAVE 2" MIN. SPACE BETWEEN THE TOP OF THE BOARD AND BOTTOM OF THE DEVICE.
11. SMOKE DETECTORS SHALL NOT BE MOUNTED CLOSER THAN 3 FT FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING. CONTRACTOR SHALL COORDINATE WITH EXISTING CONDITIONS PRIOR TO START OF WORK AND MAKE ALL ADJUSTMENT AS REQUIRED.
12. FIRE ALARM CONDUCTORS SHALL BE KEPT SEPARATE FROM ALL OTHER SYSTEMS. CONTRACTOR SHALL PROVIDE PERMANENT STEEL BARRIERS IN ALL JUNCTION BOXES, PULL BOXES, TERMINAL CABINETS, ETC. TO MAINTAIN SEPARATION.
13. FIRE ALARM CONDUIT SHALL BE 3/4" MIN., UNLESS OTHERWISE NOTED.

CONDUIT AND WIRE SPECIFICATIONS

LABEL	DESCRIPTION OF CONTENTS	CONDUIT SIZE (UNO)	CIRCUIT TYPE
F1	(1)-2/16	3/4" MIN.	SLC
F2	(2)-#12THWN CU WIRES	3/4" MIN.	NAC
F3	(1)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F4	(4)-#12THWN CU WIRES	3/4" MIN.	NAC
F5	(1)-2/16 PLUS (4)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F6	(2)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F7	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/SPKR
F8	(8)-#12THWN CU WIRES	1" MIN.	NAC
F9	(1)-2/16 PLUS (2)-#12THWN CU WIRES (1)-16 AUDIO CABLE	1" MIN.	SLC/NAC/ SPKR
F10	(2)-2/16	3/4" MIN.	SLC
F11	(2)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F12	(2)-2/16 PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	SLC/NAC
F13	(2)-2/16 PLUS (4)-#12THWN CU WIRES (1)-4/C #16	1" MIN.	SLC/NAC SPKR
F14	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	SLC/SPKR
F15	(4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F16	(1)-2/16 PLUS (2)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
F17	(2)-2/16 PLUS (4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
F18	(1)-2/16 PLUS (4)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
FS	(1)-4/C #16	3/4" MIN.	SBUS
FS1	(1)-4/C #16 PLUS (1) 2/16	3/4" MIN.	SBUS/NAC
FS2	(1)-4/C #16 SBUS PLUS (4)-#12THWN CU WIRES	1" MIN.	SBUS/NAC
FA1	(1)-2/16 AUDIO CABLE	3/4" MIN.	SPKR
FA2	(2)-2/16 AUDIO CABLE	3/4" MIN.	SPKR

NOTES:
1. 2/16 = ATLAS WIRE 222-16-1-17P; INSIDE ONLY.
2. 2/16 = ATLAS WIRE 213-16-19-2J; UNDERGROUND.
3. ALL WIRING TO BE LISTED FOR USE AS REQUIRED BY TITLE 24/CEC, ART. 760.
4. "THWN", "AQUASEAL", OR EQUAL TO BE USED IN WET LOCATIONS.

COMPLETE AUTOMATIC FIRE ALARM SYSTEM SUBMITTAL



KEY PLAN | SCALE: NONE | 9

REVISIONS	BY
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REGISTERED PROFESSIONAL ENGINEER RICHARD E. SOTELO No. E17229 6/30/26 ELECTRICAL STATE OF CALIFORNIA

ARCHITECT

LICENSED ARCHITECT BASTA LIC. NO. C-27546 REN. 6-2027 STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES
@ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
RELOCATABLE FIRE ALARM PLANS

DATE: March 2026
DRAWN: LS / MS / DA
JOB: SJ21-01
SHEET: FA9.1

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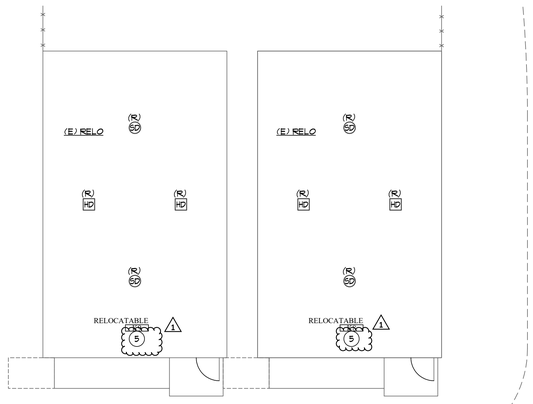
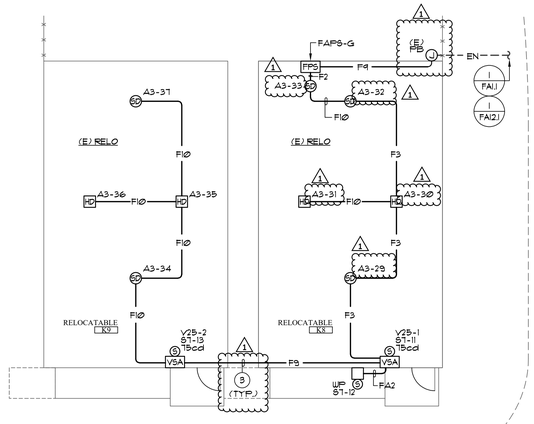
ADDENDUM 1, EXHIBIT "B"



NORTH

RELO CLASSROOM BUILDINGS - DEMOLITION PLAN | SCALE: 1/8"=1'-0" | 1



NORTH

RELO CLASSROOM BUILDINGS - REMODEL PLAN | SCALE: 1/8"=1'-0" | 2

PLAN NOTES

1. REFER TO GENERAL NOTES AND DEMOLITION NOTES, SHEET E0.1, FOR ADDITIONAL REQUIREMENTS.
2. ALL CIRCUITS SERVING THE REMODEL AREA, WHETHER IDENTIFIED ON PLAN OR NOT, SHALL BE TRACED AND IDENTIFIED PRIOR TO START OF THE DEMOLITION PHASE. CIRCUITS AFFECTED BY THE REMODEL THAT SERVE AREAS OF THE BUILDING THAT ARE NOT A PART OF THE REMODEL SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. INTERRUPTION OF SERVICE WILL NOT BE ALLOWED.
3. NEW LIQUID TIGHT CONDUIT BETWEEN MODULAR BUILDINGS. CONTRACTOR SHALL SIZE LIQUID TIGHT CONDUIT AS REQUIRED TO ACCOMMODATE QUANTITY OF FIRE ALARM CABLING REQUIRED BETWEEN MODULAR BUILDINGS.
4. NEW WALL MOUNTED NEMA 3R JUNCTION BOX WITH SCREW ON COVER AND TAMPER PROOF SCREWS. NEW JUNCTION BOX SHALL BE SIZED TO ACCOMMODATE THE QUANTITY AND SIZE OF CONDUITS ENTERING AND LEAVING IT.
5. EXISTING FIRE ALARM CONDUIT AND WIRING SHALL BE REMOVED FROM PORTABLE.

CONSTRUCTION NOTES:

1. EXISTING FIRE ALARM SYSTEM SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. ALL COMPONENTS OF THE EXISTING FIRE ALARM SYSTEM (DEVICES, POWER SUPPLIES, CONDUIT, CABLING, ETC.) SHALL BE DISCONNECTED AND REMOVED UPON RECEIPT OF CERTIFICATION OF COMPLETION FROM DSA-FLS FOR THE INSTALLATION OF THE NEW FIRE ALARM SYSTEM.
2. REMOVE ALL ABANDONED APPLIANCES, DEVICES, CONDUCTORS AND CONDUITS ASSOCIATED WITH THE EXISTING FIRE ALARM SYSTEMS FROM THE SITE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL NEW CEILING MOUNTED FIRE ALARM DEVICES TO AVOID INTERFERENCE WITH EXISTING LIGHT FIXTURES, CEILING MOUNTED LOW VOLTAGE DEVICES, HVAC GRILLS AND CEILING GRIDS.
4. WHERE SURFACE MOUNTED RACEWAYS ARE REQUIRED DUE TO EXISTING WALL MATERIAL, CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND RECEIVE APPROVAL TO INSTALL SURFACE MOUNTED CONDUIT PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED CONDUIT. SURFACE MOUNTED RACEWAYS SHALL BE SIZED FOR THE QUANTITY OF CONDUCTORS CONTAINED THEREIN. RACEWAYS SHALL BE PAINTED, AS DIRECTED BY THE ARCHITECT, TO MATCH THE SURFACE ATTACHED TO.
5. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
6. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
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10. ALL STROBE AND HORN/ STROBE DEVICES MOUNTED ABOVE MARKER BOARDS SHALL HAVE 2" MIN. SPACE BETWEEN THE TOP OF THE BOARD AND BOTTOM OF THE DEVICE.
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12. FIRE ALARM CONDUCTORS SHALL BE KEPT SEPARATE FROM ALL OTHER SYSTEMS. CONTRACTOR SHALL PROVIDE PERMANENT STEEL BARRIERS IN ALL JUNCTION BOXES, PULL BOXES, TERMINAL CABINETS, ETC. TO MAINTAIN SEPARATION.
13. FIRE ALARM CONDUIT SHALL BE 3/4" MIN., UNLESS OTHERWISE NOTED.

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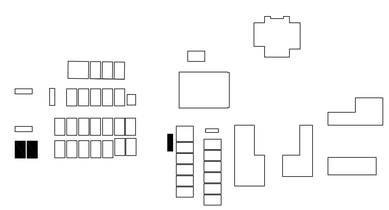
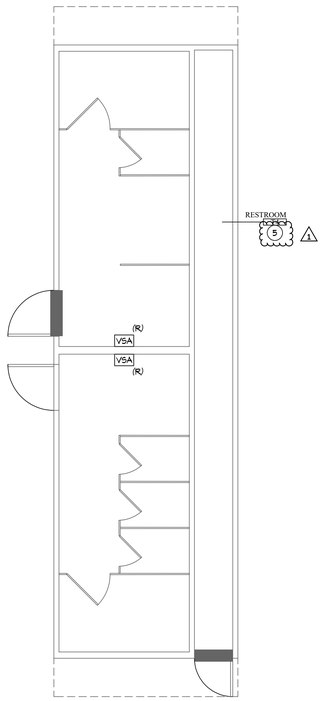
LABEL	DESCRIPTION OF CONTENTS	CONDUIT SIZE (UNO)	CIRCUIT TYPE
F1	(1)-2/16	3/4" MIN.	SLC
F2	(2)-#12THWN CU WIRES	3/4" MIN.	NAC
F3	(1)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F4	(4)-#12THWN CU WIRES	3/4" MIN.	NAC
F5	(1)-2/16 PLUS (4)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F6	(2)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F7	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/SPKR
F8	(8)-#12THWN CU WIRES	1" MIN.	NAC
F9	(1)-2/16 PLUS (2)-#12THWN CU WIRES (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC/ SPKR
F10	(2)-2/16	3/4" MIN.	SLC
F11	(2)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F12	(1)-2/16 PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	SLC/NAC
F13	(2)-2/16 PLUS (4)-#12THWN CU WIRES (1)-4/C #16	1" MIN.	SLC/NAC SPKR
F14	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	SLC/SPKR
F15	(4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F16	(1)-2/16 PLUS (2)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
F17	(2)-2/16 PLUS (4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
F18	(1)-2/16 PLUS (4)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
FS	(1)-4/C #16	3/4" MIN.	SBUS
FS1	(1)-4/C #16 PLUS (1) 2/16	3/4" MIN.	SBUS/NAC
FS2	(1)-4/C #16 SBUS PLUS (4)-#12THWN CU WIRES	1" MIN.	SBUS/NAC
FA1	(1)-2/16 AUDIO CABLE	3/4" MIN.	SPKR
FA2	(2)-2/16 AUDIO CABLE	3/4" MIN.	SPKR

NOTES:
1. 2/16 = ATLAS WIRE 222-16-1-17P; INSIDE ONLY.
2. 2/16 = ATLAS WIRE 213-16-19-2J; UNDERGROUND.
3. ALL WIRING TO BE LISTED FOR USE AS REQUIRED BY TITLE 24/CEC, ART. 760.
4. "THWN", "AQUASEAL", OR EQUAL TO BE USED IN WET LOCATIONS.

COMPLETE AUTOMATIC FIRE ALARM SYSTEM SUBMITTAL

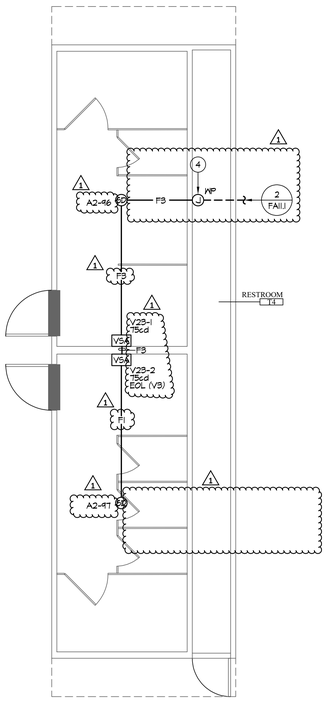


KEY PLAN | SCALE: NONE | 5



NORTH

RELO. TOILET BUILDING "T4" - DEMOLITION FIRE ALARM PLAN | SCALE: 1/4"=1'-0" | 3



NORTH

RELO. TOILET BUILDING "T4" - REMODEL FIRE ALARM PLAN | SCALE: 1/4"=1'-0" | 4

REVISIONS	BY
1 ADDENDUM 01	MS

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ENGINEER



ARCHITECT



PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES
@ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
RELOCATABLE FIRE ALARM PLANS

DATE: March 2026
DRAWN: LS / MS / DA
JOB: SJ21-01
SHEET: FA10.1 1

ADDENDUM 1, EXHIBIT "B"

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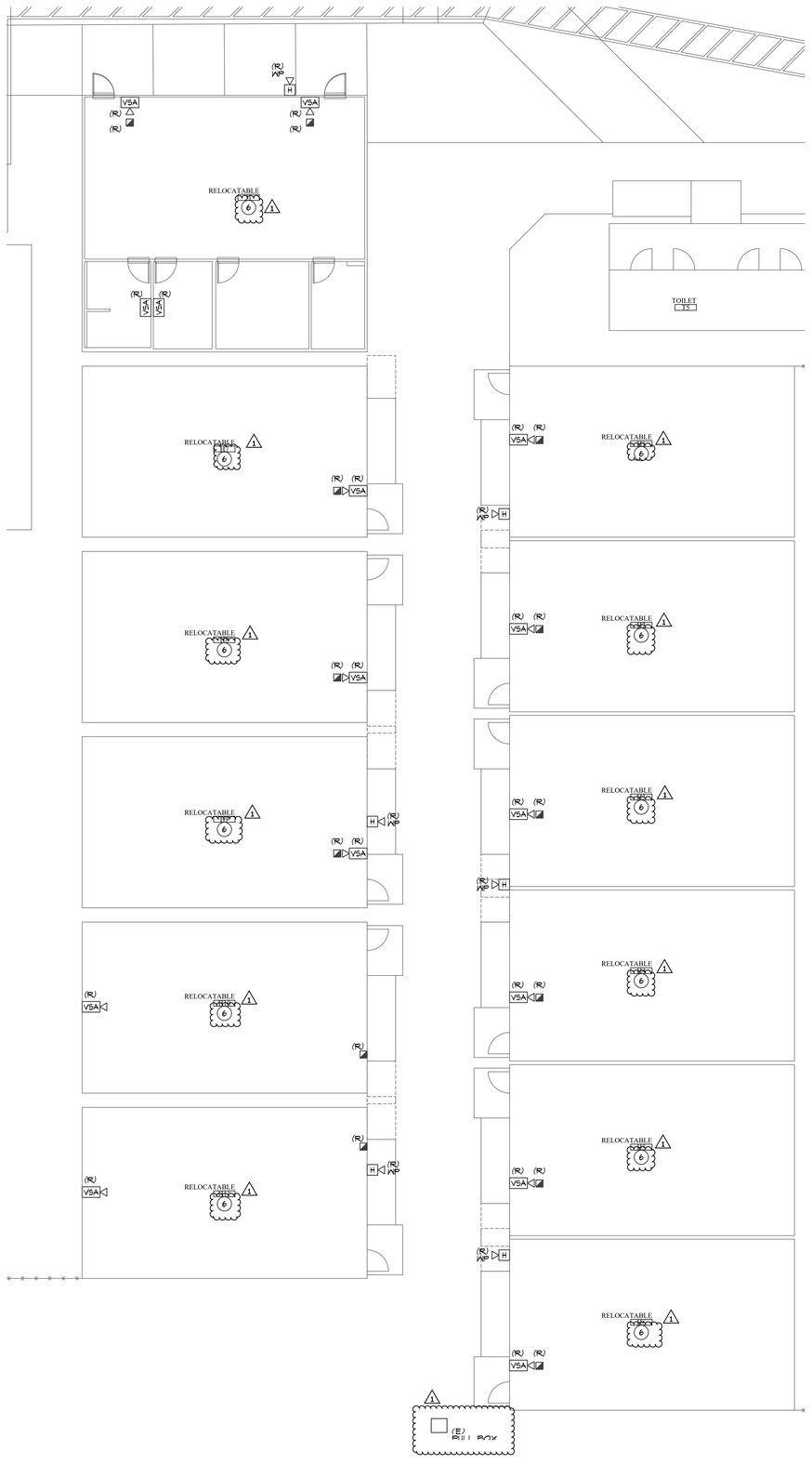
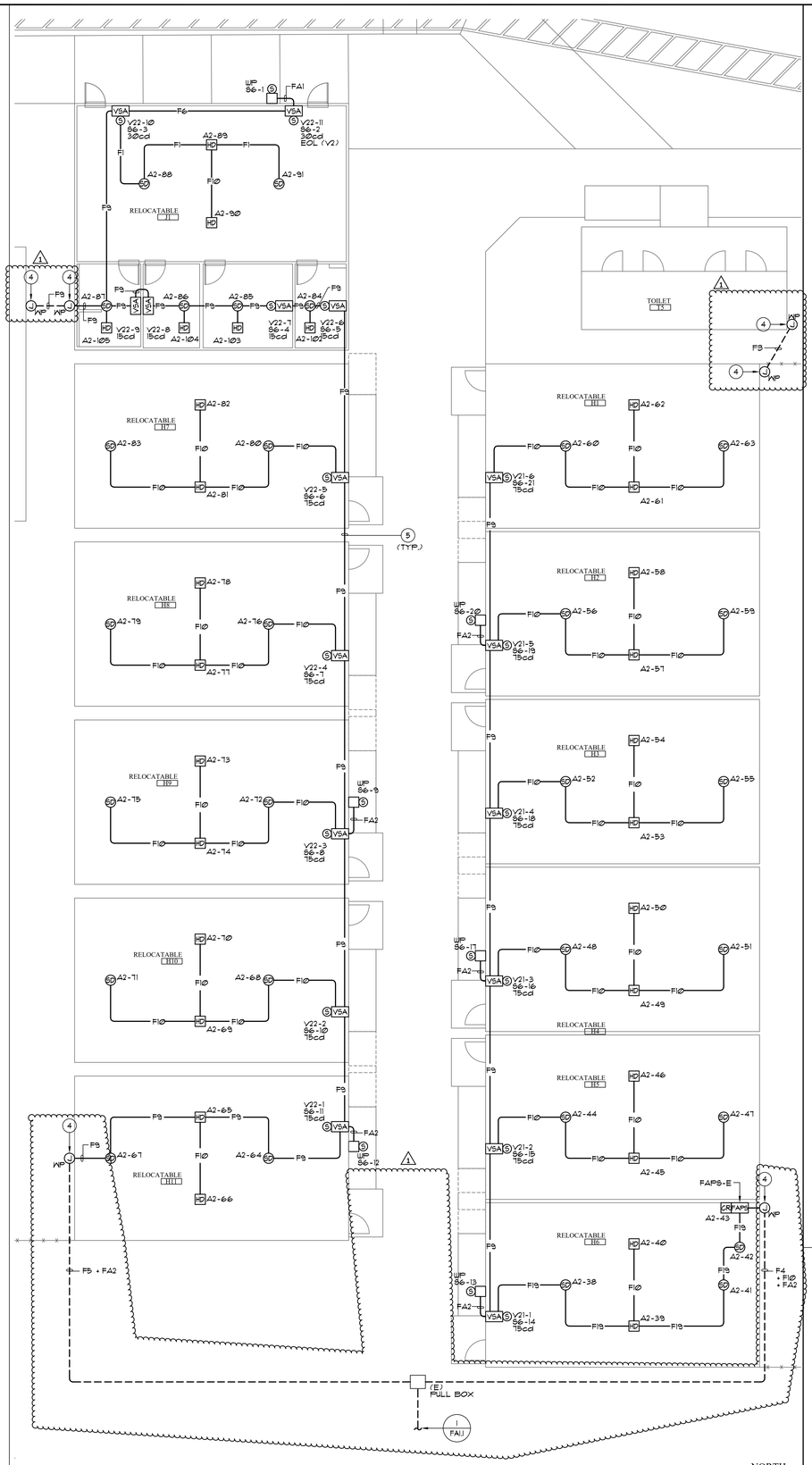


NORTH

RELOCATABLE - DEMOLITION FIRE ALARM PLAN | SCALE: 1/8" = 1' | 1



NORTH

COMPLETE AUTOMATIC FIRE ALARM SYSTEM SUBMITTAL

RELOCATABLE - REMODEL FIRE ALARM PLAN | SCALE: 1/8" = 1' | 2

PLAN NOTES

1. REFER TO GENERAL NOTES AND DEMOLITION NOTES, SHEET E0.1, FOR ADDITIONAL REQUIREMENTS.
2. ALL CIRCUITS SERVING THE REMODEL AREA, WHETHER IDENTIFIED ON PLAN OR NOT, SHALL BE TRACED AND IDENTIFIED PRIOR TO START OF THE DEMOLITION PHASE. CIRCUITS AFFECTED BY THE REMODEL THAT SERVE AREAS OF THE BUILDING THAT ARE NOT A PART OF THE REMODEL SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. INTERRUPTION OF SERVICE WILL NOT BE ALLOWED.
3. REPLACE FIRE ALARM POWER SUPPLY WITH PULL BOX "PB-FA" REFER TO NEW FIRE ALARM PLANS FOR REQUIREMENTS.
4. NEW WALL MOUNTED NEMA 3R JUNCTION BOX WITH SCREW ON COVER AND TAMPER PROOF SCREWS. NEW JUNCTION BOX SHALL BE SIZED TO ACCOMMODATE THE QUANTITY AND SIZE OF CONDUITS ENTERING AND LEAVING IT.
5. NEW LIQUID TIGHT CONDUIT BETWEEN MODULAR BUILDINGS. CONTRACTOR SHALL SIZE LIQUID TIGHT CONDUIT AS REQUIRED TO ACCOMMODATE QUANTITY OF FIRE ALARM CABLING REQUIRED BETWEEN MODULAR BUILDINGS.
6. EXISTING FIRE ALARM CONDUIT AND WIRING SHALL BE REMOVED FROM PORTABLE.

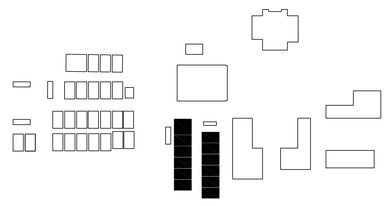
CONSTRUCTION NOTES:

1. EXISTING FIRE ALARM SYSTEM SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. ALL COMPONENTS OF THE EXISTING FIRE ALARM SYSTEM (DEVICES, POWER SUPPLIES, CONDUIT, CABLING, ETC.) SHALL BE DISCONNECTED AND REMOVED UPON RECEIPT OF CERTIFICATION OF COMPLETION FROM DSA-FLS FOR THE INSTALLATION OF THE NEW FIRE ALARM SYSTEM.
2. REMOVE ALL ABANDONED APPLIANCES, DEVICES, CONDUCTORS AND CONDUITS ASSOCIATED WITH THE EXISTING FIRE ALARM SYSTEMS FROM THE SITE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL NEW CEILING MOUNTED FIRE ALARM DEVICES TO AVOID INTERFERENCE WITH EXISTING LIGHT FIXTURES, CEILING MOUNTED LOW VOLTAGE DEVICES, HVAC GRILLS AND CEILING GRIDS.
4. WHERE SURFACE MOUNTED RACEWAYS ARE REQUIRED DUE TO EXISTING WALL MATERIAL, CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND RECEIVE APPROVAL TO INSTALL SURFACE MOUNTED CONDUIT PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED CONDUIT. SURFACE MOUNTED RACEWAYS SHALL BE SIZED FOR THE QUANTITY OF CONDUCTORS CONTAINED THEREIN. RACEWAYS SHALL BE PAINTED, AS DIRECTED BY THE ARCHITECT, TO MATCH THE SURFACE ATTACHED TO.
5. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
6. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
7. AREAS WITH UNIT SUPPLYING MORE THAN 2,000 CFM SHALL BE EQUIPPED WITH AUTOMATIC SYSTEM SHUT DOWN PER 608 OF THE 2022 CMC.
8. THE CONTRACTOR SHALL NOTE THAT THE DRAWING IS DIAGRAMMATIC. EXACT ROUTING OF NEW CONDUITS AND LOCATION OF JUNCTION BOXES AND PULL BOXES SHALL BE COORDINATED AND DETERMINED IN THE FIELD. NEW CONDUIT, JUNCTION BOXES AND PULL BOXES SHALL BE ROUTED / PLACED IN SUCH A MANNER AS TO ADHERE TO ALL APPLICABLE CODES AND TO AVOID INTERFERENCE WITH EXISTING BUILDING STRUCTURES, UTILITIES AND THE WORK BEING PERFORMED BY OTHER TRADES. ALL EXTERIOR CONDUIT, FITTINGS, JUNCTION BOXES AND PULL BOXES TO BE WEATHER PROOF TYPE; NEMA 3R.
9. ALL FIRE ALARM SYSTEM DEVICES SHALL BE U.L. AND C.S.F.M. LISTED AND APPROVED.
10. ALL STROBE AND HORN/ STROBE DEVICES MOUNTED ABOVE MARKER BOARDS SHALL HAVE 2" MIN. SPACE BETWEEN THE TOP OF THE BOARD AND BOTTOM OF THE DEVICE.
11. SMOKE DETECTORS SHALL NOT BE MOUNTED CLOSER THAN 3 FT FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING. CONTRACTOR SHALL COORDINATE WITH EXISTING CONDITIONS PRIOR TO START OF WORK AND MAKE ALL ADJUSTMENT AS REQUIRED.
12. FIRE ALARM CONDUCTORS SHALL BE KEPT SEPARATE FROM ALL OTHER SYSTEMS. CONTRACTOR SHALL PROVIDE PERMANENT STEEL BARRIERS IN ALL JUNCTION BOXES, PULL BOXES, TERMINAL CABINETS, ETC. TO MAINTAIN SEPARATION.
13. FIRE ALARM CONDUIT SHALL BE 3/4" MIN., UNLESS OTHERWISE NOTED.

CONDUIT AND WIRE SPECIFICATIONS

LABEL	DESCRIPTION OF CONTENTS	CONDUIT SIZE (UNO)	CIRCUIT TYPE
F1	(1)-2/16	3/4" MIN.	SLC
F2	(2)-#12THWN CU WIRES	3/4" MIN.	NAC
F3	(1)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F4	(4)-#12THWN CU WIRES	3/4" MIN.	NAC
F5	(1)-2/16 PLUS (4)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F6	(2)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F7	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/SPKR
F8	(8)-#12THWN CU WIRES	1" MIN.	NAC
F9	(1)-2/16 PLUS (2)-#12THWN CU WIRES (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC/ SPKR
F10	(2)-2/16	3/4" MIN.	SLC
F11	(2)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F12	(1)-2/16 PLUS (2)-3/16 AUDIO CABLE	3/4" MIN.	SLC/NAC
F13	(2)-2/16 PLUS (4)-#12THWN CU WIRES (1)-4/C #16	1" MIN.	SLC/NAC SPKR
F14	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	SLC/SPKR
F15	(4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F16	(1)-2/16 PLUS (2)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
F17	(2)-2/16 PLUS (4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
F18	(1)-2/16 PLUS (4)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
FS	(1)-4/C #16	3/4" MIN.	SBUS
FS1	(1)-4/C #16 PLUS (1) 2/16	3/4" MIN.	SBUS/NAC
FS2	(1)-4/C #16 SBUS PLUS (4)-#12THWN CU WIRES	1" MIN.	SBUS/NAC
FA1	(1)-2/16 AUDIO CABLE	3/4" MIN.	SPKR
FA2	(2)-2/16 AUDIO CABLE	3/4" MIN.	SPKR

NOTES:
1. 2/16 = ATLAS WIRE 222-16-1-1TP; INSIDE ONLY.
2. 2/16 = ATLAS WIRE 213-16-19-2J; UNDERGROUND.
3. ALL WIRING TO BE LISTED FOR USE AS REQUIRED BY TITLE 24/CEC, ART. 760.
4. "THWN", "AQUAGUAL", OR EQUAL TO BE USED IN WET LOCATIONS.



KEY PLAN | SCALE: NONE | 3

REVISIONS	BY
1 ADDENDUM 01	MS

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REGISTERED PROFESSIONAL ENGINEER — RICHARD E. SOTELO — No. E17229 6/30/28 — ELECTRICAL — STATE OF CALIFORNIA

ARCHITECT

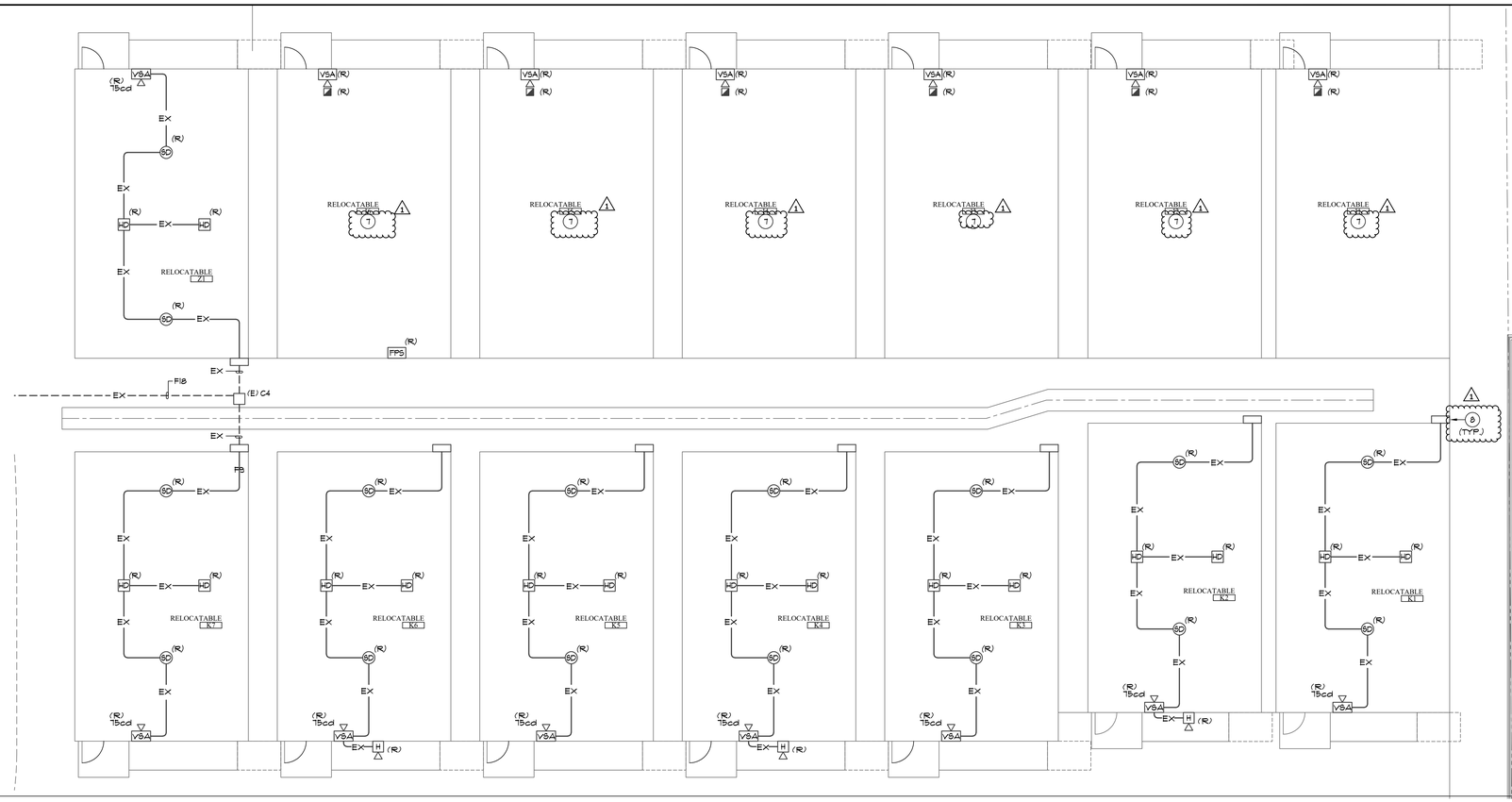
LICENSED ARCHITECT — DAVID J. BASTIAN — No. C-27546 REN. 6-2027 — STATE OF CALIFORNIA

PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES @ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

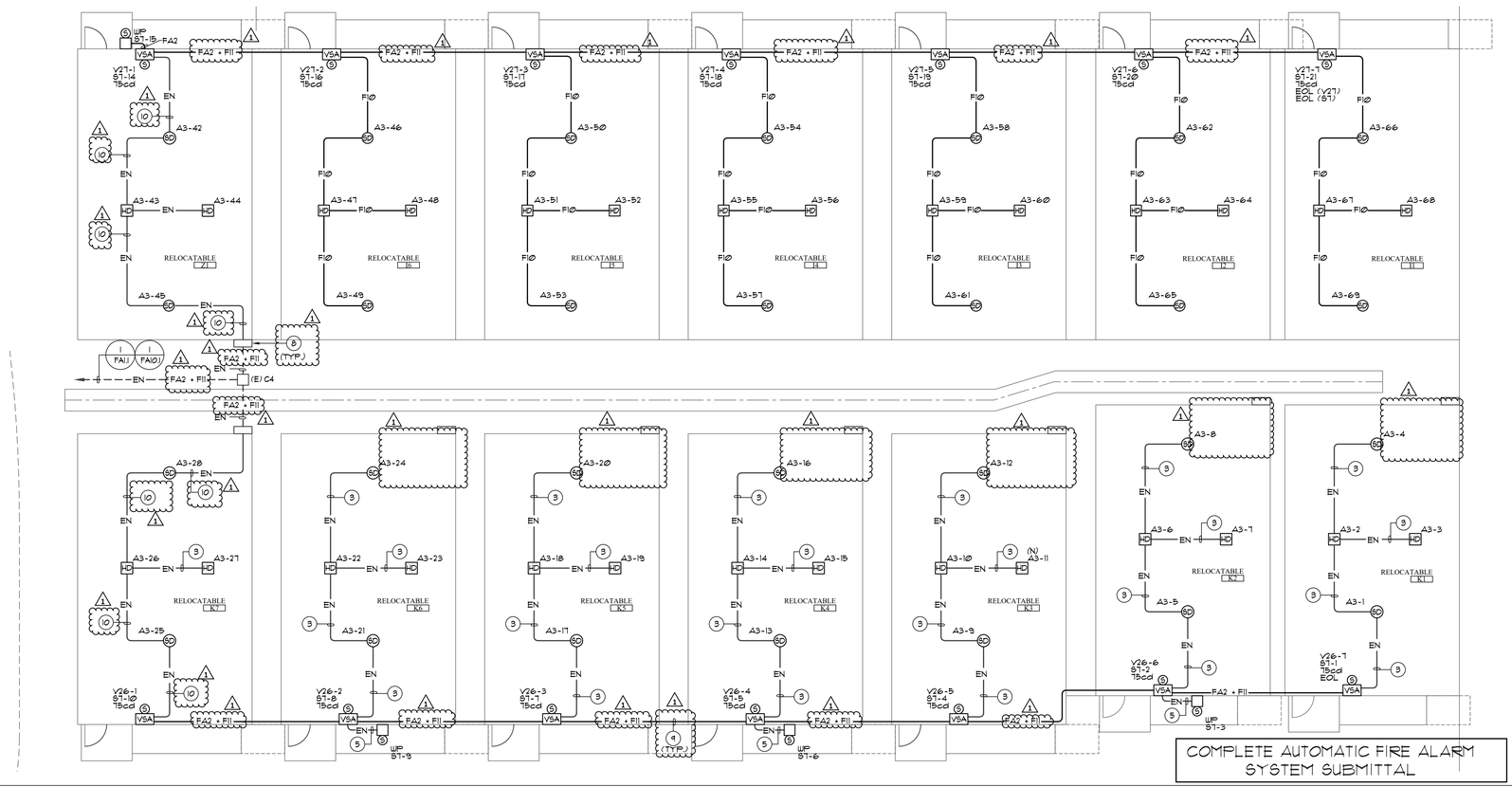
SHEET NAME: RELOCATABLE FIRE ALARM PLANS

DATE: March 2026
DRAWN: LS / MS / DA
JOB: SJ21-01
SHEET: FA11.1 (1)

ADDENDUM 1, EXHIBIT "B"



RELOCATABLE - DEMOLITION FIRE ALARM PLAN | SCALE: 1/8" = 1' | 1



COMPLETE AUTOMATIC FIRE ALARM SYSTEM SUBMITTAL

RELOCATABLE - REMODEL FIRE ALARM PLAN | SCALE: 1/8" = 1' | 2

PLAN NOTES

1. REFER TO GENERAL NOTES AND DEMOLITION NOTES, SHEET E0.1, FOR ADDITIONAL REQUIREMENTS.
2. ALL CIRCUITS SERVING THE REMODEL AREA, WHETHER IDENTIFIED ON PLAN OR NOT, SHALL BE TRACED AND IDENTIFIED PRIOR TO START OF THE DEMOLITION PHASE. CIRCUITS AFFECTED BY THE REMODEL THAT SERVE AREAS OF THE BUILDINGS THAT ARE NOT A PART OF THE REMODEL SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. INTERRUPTION OF SERVICE WILL NOT BE ALLOWED.
3. (2)-2/16 - SLC
4. (1)-2/16 - SLC
   (1)-2/16 AUDIO CABLE
   (4)-#12THWN CU WIRES
5. (2)-2/16 AUDIO CABLE
6. (1)-2/16 - SLC
   (2)-#12THWN CU WIRES
7. EXISTING FIRE ALARM CONDUIT AND WIRING SHALL BE REMOVED FROM PORTABLE.
8. EXISTING WIRE GUTTER ON RELOCATABLE IS TO REMAIN.
9. NEW LIQUID TIGHT CONDUIT BETWEEN MODULAR BUILDINGS. CONTRACTOR SHALL SIZE LIQUID TIGHT CONDUIT AS REQUIRED TO ACCOMMODATE QUANTITY OF FIRE ALARM CABLING REQUIRED BETWEEN MODULAR BUILDINGS.
10. (2)-2/16 - SLC
    (2)-#12THWN CU WIRES
    (2)-2/16 AUDIO CABLE

CONSTRUCTION NOTES:

1. EXISTING FIRE ALARM SYSTEM SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. ALL COMPONENTS OF THE EXISTING FIRE ALARM SYSTEM (DEVICES, POWER SUPPLIES, CONDUIT, CABLING, ETC.) SHALL BE DISCONNECTED AND REMOVED UPON RECEIPT OF CERTIFICATION OF COMPLETION FROM DSA-FLS FOR THE INSTALLATION OF THE NEW FIRE ALARM SYSTEM.
2. REMOVE ALL ABANDONED APPLIANCES, DEVICES, CONDUCTORS AND CONDUITS ASSOCIATED WITH THE EXISTING FIRE ALARM SYSTEMS FROM THE SITE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL NEW CEILING MOUNTED FIRE ALARM DEVICES TO AVOID INTERFERENCE WITH EXISTING LIGHT FIXTURES, CEILING MOUNTED LOW VOLTAGE DEVICES, HVAC GRILLS AND CEILING GRIDS.
4. WHERE SURFACE MOUNTED RACEWAYS ARE REQUIRED DUE TO EXISTING WALL MATERIAL, CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND RECEIVE APPROVAL TO INSTALL SURFACE MOUNTED CONDUIT PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED CONDUIT. SURFACE MOUNTED RACEWAYS SHALL BE SIZED FOR THE QUANTITY OF CONDUCTORS CONTAINED THEREIN. RACEWAYS SHALL BE PAINTED, AS DIRECTED BY THE ARCHITECT, TO MATCH THE SURFACE ATTACHED TO.
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9. ALL FIRE ALARM SYSTEM DEVICES SHALL BE U.L. AND C.S.F.M. LISTED AND APPROVED.
10. ALL STROBE AND HORN/ STROBE DEVICES MOUNTED ABOVE MARKER BOARDS SHALL HAVE 2' MIN. SPACE BETWEEN THE
11. SMOKE DETECTORS SHALL NOT BE MOUNTED CLOSER THAN 3 FT FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING. CONTRACTOR SHALL COORDINATE WITH EXISTING CONDITIONS PRIOR TO START OF WORK AND MAKE ALL ADJUSTMENT AS REQUIRED.
12. FIRE ALARM CONDUCTORS SHALL BE KEPT SEPARATE FROM ALL OTHER SYSTEMS. CONTRACTOR SHALL PROVIDE PERMANENT STEEL BARRIERS IN ALL JUNCTION BOXES, PULL BOXES, TERMINAL CABINETS, ETC. TO MAINTAIN SEPARATION.

CONDUIT AND WIRE SPECIFICATIONS

LABEL	DESCRIPTION OF CONTENTS	CONDUIT SIZE (UNO)	CIRCUIT TYPE
F1	(1)-2/16	3/4" MIN.	SLC
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F5	(1)-2/16 PLUS (4)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
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F9	(1)-2/16 PLUS (2)-#12THWN CU WIRES (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC/ SPKR
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F11	(2)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F12	(1)-2/16 PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	SLC/NAC
F13	(2)-2/16 PLUS (4)-#12THWN CU WIRES (1)-#16	1" MIN.	SLC/NAC SPKR
F14	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	SLC/SPKR
F15	(4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
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F18	(1)-2/16 PLUS (4)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
FS	(1)-4/C #16	3/4" MIN.	SBUS
FS1	(1)-4/C #16 PLUS (1) 2/16	3/4" MIN.	SBUS/NAC
FS2	(1)-4/C #16 SBUS PLUS (4)-#12THWN CU WIRES	1" MIN.	SBUS/NAC
FA1	(1)-2/16 AUDIO CABLE	3/4" MIN.	SPKR
FA2	(2)-2/16 AUDIO CABLE	3/4" MIN.	SPKR

NOTES:
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2. 2/16 = ATLAS WIRE 213-16-19-2J; UNDERGROUND.
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4. "THWN", "AQUASEAL", OR EQUAL TO BE USED IN WET LOCATIONS.

KEY PLAN | SCALE: NONE | 3

REVISIONS	BY
1 ADDENDUM 01	MS

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PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES
@ QUAIL VALLEY MIDDLE SCHOOL
SNOWLINE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME: RELOCATABLE FIRE ALARM PLANS

DATE: March 2026
DRAWN: LS / MS / DA
JOB: SJ21-01
SHEET: FA12.1

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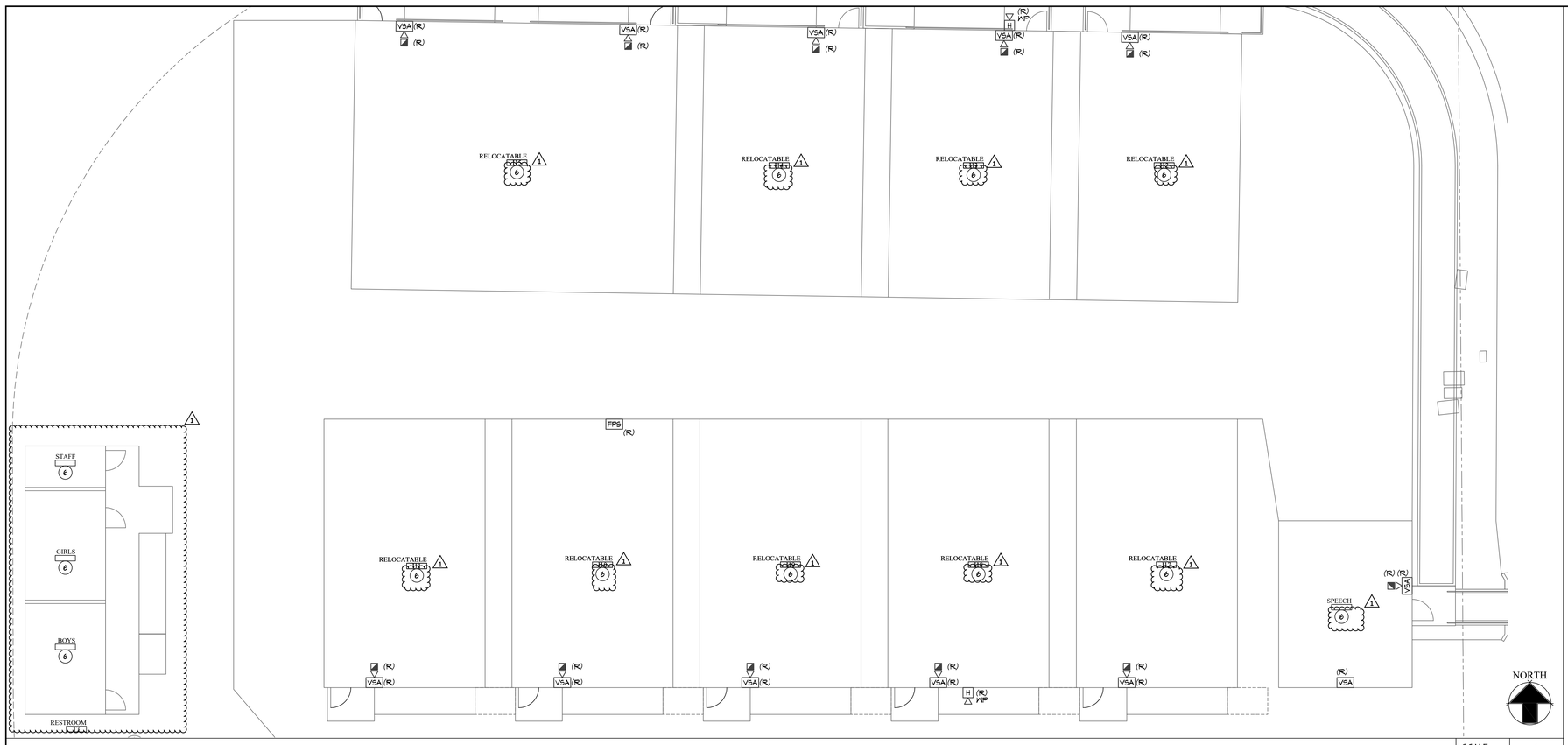
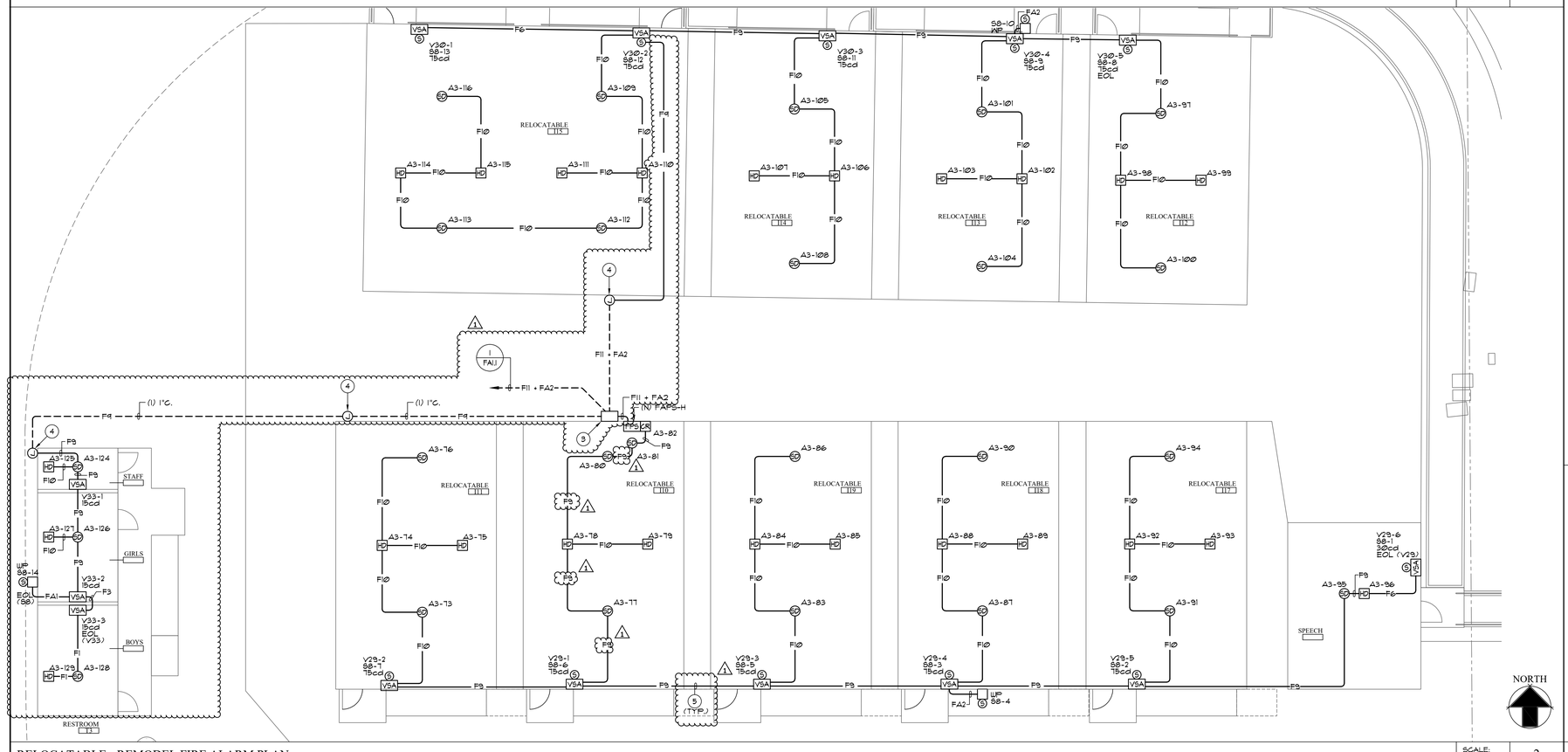
ADDENDUM 1, EXHIBIT "B"



RELOCATABLE - DEMOLITION FIRE ALARM PLAN

SCALE: 1/8" = 1'

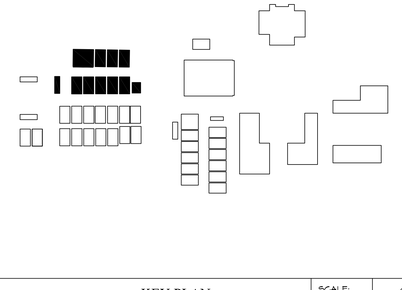
1



RELOCATABLE - REMODEL FIRE ALARM PLAN

SCALE: 1/8" = 1'

2



KEY PLAN

SCALE: NONE

3

PLAN NOTES

1. REFER TO GENERAL NOTES AND DEMOLITION NOTES, SHEET E0.1, FOR ADDITIONAL REQUIREMENTS.
2. ALL CIRCUITS SERVING THE REMODEL AREA, WHETHER IDENTIFIED ON PLAN OR NOT, SHALL BE TRACED AND IDENTIFIED PRIOR TO START OF THE DEMOLITION PHASE. CIRCUITS AFFECTED BY THE REMODEL THAT SERVE AREAS OF THE BUILDING THAT ARE NOT A PART OF THE REMODEL SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. INTERRUPTION OF SERVICE WILL NOT BE ALLOWED.
3. 8" X 8" X 12" WIRING NEMA 3R. THE CONTRACTOR SHALL PROVIDE AND INSTALL THE SPECIFIED WIRING GUTTERS IN THE FIELD AND MAKE ALL CONDUIT TERMINATIONS INDICATED ON PLANS.
4. NEW WALL MOUNTED NEMA 3R JUNCTION BOX WITH SCREW ON COVER AND TAMPER PROOF SCREWS. NEW JUNCTION BOX SHALL BE SIZED TO ACCOMMODATE THE QUANTITY AND SIZE OF CONDUITS ENTERING AND LEAVING IT.
5. NEW LIQUID TIGHT CONDUIT BETWEEN MODULAR BUILDINGS. CONTRACTOR SHALL SIZE LIQUID TIGHT CONDUIT AS REQUIRED TO ACCOMMODATE QUANTITY OF FIRE ALARM CABLING REQUIRED BETWEEN MODULAR BUILDINGS.
6. EXISTING FIRE ALARM CONDUIT AND WIRING SHALL BE REMOVED FROM PORTABLE.

CONSTRUCTION NOTES:

1. EXISTING FIRE ALARM SYSTEM SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. ALL COMPONENTS OF THE EXISTING FIRE ALARM SYSTEM (DEVICES, POWER SUPPLIES, CONDUIT, CABLING, ETC.) SHALL BE DISCONNECTED AND REMOVED UPON RECEIPT OF CERTIFICATION OF COMPLETION FROM DSA-FLS FOR THE INSTALLATION OF THE NEW FIRE ALARM SYSTEM.
2. REMOVE ALL ABANDONED APPLIANCES, DEVICES, CONDUCTORS AND CONDUITS ASSOCIATED WITH THE EXISTING FIRE ALARM SYSTEMS FROM THE SITE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL NEW CEILING MOUNTED FIRE ALARM DEVICES TO AVOID INTERFERENCE WITH EXISTING LIGHT FIXTURES, CEILING MOUNTED LOW VOLTAGE DEVICES, HVAC GRILLS AND CEILING GRIDS.
4. WHERE SURFACE MOUNTED RACEWAYS ARE REQUIRED DUE TO EXISTING WALL MATERIAL, CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT AND RECEIVE APPROVAL TO INSTALL SURFACE MOUNTED CONDUIT PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED CONDUIT. SURFACE MOUNTED RACEWAYS SHALL BE SIZED FOR THE QUANTITY OF CONDUCTORS CONTAINED THEREIN. RACEWAYS SHALL BE PAINTED, AS DIRECTED BY THE ARCHITECT, TO MATCH THE SURFACE ATTACHED TO.
5. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
6. ALL LOW VOLTAGE AND FIRE ALARM CABLING SHALL BE INSTALLED WITHIN CONDUIT FROM DEVICE BACK TO SERVING PANEL.
7. AREAS WITH UNIT SUPPLYING MORE THAN 2,000 CFM SHALL BE EQUIPPED WITH AUTOMATIC SYSTEM SHUT DOWN PER 608 OF THE 2022 CMC.
8. THE CONTRACTOR SHALL NOTE THAT THE DRAWING IS DIAGRAMMATIC. EXACT ROUTING OF NEW CONDUITS AND LOCATION OF JUNCTION BOXES AND PULL BOXES SHALL BE COORDINATED AND DETERMINED IN THE FIELD. NEW CONDUIT, JUNCTION BOXES AND PULL BOXES SHALL BE ROUTED / PLACED IN SUCH A MANNER AS TO ADHERE TO ALL APPLICABLE CODES AND TO AVOID INTERFERENCE WITH EXISTING BUILDING STRUCTURES, UTILITIES AND THE WORK BEING PERFORMED BY OTHER TRADES. ALL EXTERIOR CONDUIT, FITTINGS, JUNCTION BOXES AND PULL BOXES TO BE WEATHER PROOF TYPE; NEMA 3R.
9. ALL FIRE ALARM SYSTEM DEVICES SHALL BE U.L. AND C.S.F.M. LISTED AND APPROVED.
10. ALL STROBE AND HORN/ STROBE DEVICES MOUNTED ABOVE MARKER BOARDS SHALL HAVE 2" MIN. SPACE BETWEEN THE TOP OF THE BOARD AND BOTTOM OF THE DEVICE.
11. SMOKE DETECTORS SHALL NOT BE MOUNTED CLOSER THAN 3 FT FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING. CONTRACTOR SHALL COORDINATE WITH EXISTING CONDITIONS PRIOR TO START OF WORK AND MAKE ALL ADJUSTMENT AS REQUIRED.
12. FIRE ALARM CONDUCTORS SHALL BE KEPT SEPARATE FROM ALL OTHER SYSTEMS. CONTRACTOR SHALL PROVIDE PERMANENT STEEL BARRIERS IN ALL JUNCTION BOXES, PULL BOXES, TERMINAL CABINETS, ETC. TO MAINTAIN SEPARATION.
13. FIRE ALARM CONDUIT SHALL BE 3/4" MIN, UNLESS OTHERWISE NOTED.

CONDUIT AND WIRE SPECIFICATIONS

LABEL	DESCRIPTION OF CONTENTS	CONDUIT SIZE (UNO)	CIRCUIT TYPE
F1	(1)-2/16	3/4" MIN.	SLC
F2	(2)-#12THWN CU WIRES	3/4" MIN.	NAC
F3	(1)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F4	(4)-#12THWN CU WIRES	3/4" MIN.	NAC
F5	(1)-2/16 PLUS (4)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F6	(4)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F7	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/SPKR
F8	(8)-#12THWN CU WIRES	1" MIN.	NAC
F9	(1)-2/16 PLUS (2)-#12THWN CU WIRES (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC/ SPKR
F10	(2)-2/16	3/4" MIN.	SLC
F11	(2)-2/16 PLUS (2)-#12THWN CU WIRES	3/4" MIN.	SLC/NAC
F12	(1)-2/16 PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	SLC/NAC
F13	(2)-2/16 PLUS (4)-#12THWN CU WIRES (1)-4/C #16	1" MIN.	SLC/NAC SPKR
F14	(1)-2/16 PLUS (1)-2/16 AUDIO CABLE	3/4" MIN.	SLC/SPKR
F15	(4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	3/4" MIN.	NAC/SPKR
F16	(1)-2/16 PLUS (2)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
F17	(2)-2/16 PLUS (4)-#12THWN CU WIRES PLUS (2)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
F18	(1)-2/16 PLUS (4)-#12THWN CU WIRES PLUS (1)-2/16 AUDIO CABLE	1" MIN.	SLC/NAC SPKR
FS	(1)-4/C #16	3/4" MIN.	SBUS
FS1	(1)-4/C #16 PLUS (1) 2/16	3/4" MIN.	SBUS/NAC
FS2	(1)-4/C #16 SBUS PLUS (4)-#12THWN CU WIRES	1" MIN.	SBUS/NAC
FA1	(1)-2/16 AUDIO CABLE	3/4" MIN.	SPKR
FA2	(2)-2/16 AUDIO CABLE	3/4" MIN.	SPKR

NOTES:
1. 2/16 = ATLAS WIRE 222-16-1-17P, INSIDE ONLY.
2. 2/16 = ATLAS WIRE 213-16-19-2J, UNDERGROUND.
3. ALL WIRING TO BE LISTED FOR USE AS REQUIRED BY TITLE 24/CEC, ART. 760.
4. "THWN", "AQUASEAL", OR EQUAL TO BE USED IN WET LOCATIONS.

COMPLETE AUTOMATIC FIRE ALARM SYSTEM SUBMITTAL

REVISIONS	BY
1 ADDENDUM 01	MS

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PROJECT:
SITE WORK, RESTROOM & FIRE ALARM UPGRADES
@ QUAIL VALLEY MIDDLE SCHOOL
SHOSHONE JOINT UNIFIED SCHOOL DISTRICT

SHEET NAME:
RELOCATABLE FIRE ALARM PLANS

DATE: March 2026

DRAWN: LS / MS / DA

JOB: SJ21-01

SHEET: FA13.1

ADDENDUM 1, EXHIBIT "B"