MARIN ACADEMY
AQUATIC CENTER
SAN RAFAEL
ZONING APPLICATION
NOVEMBER 13TH, 2019

VICINITY MAP

PROJECT TEAM

ARCHITECT
EHDD ARCHITECTURE
503 TREAT AVE. SUITE 400
SAN FRANCISCO, CA 94110
T: (415) 677-7300
CIVIL ENGINEER
GINSKO GINSKO CONSULTING ENGINEERS
5900 FIFTH AVENUE, 10TH FLR
SAN FRANCISO, CA 94110
T: (415) 474-8303
LANDSCAPE ARCHITECT
STEPHEN WHEELER LANDSCAPE ARCHITECT
1600 MISSION AVE., 9TH FLR
SAN RAFAEL, CA 94901
T: (415) 252-7075

PROJECT DATA

LOCATION
SAN RAFAEL, CA

APPLICABLE CODES BASIS OF DESIGN:

1. MIN. LANDSCAPING: 10%
2. MAX. LOT COVERAGE: NR
3. FRONT SETBACK: 15 FT
4. SIDE SETBACK: NR
5. MAX. FRONT YARD SETBACK: 20 FT

APPLICATIONS:

1. CARPENTRY
2. ELECTRICAL
3. MECHANICAL
4. PLUMBING
5. ICC CODES

APPLICABLE FEDERAL CODES & STANDARDS:

FIFTH AVENUE EAST OF "E" STREET THERE SHALL BE NO MINIMUM FRONT YARD SETBACK.

OCCUPANCY CLASSIFICATION & TYPE OF CONSTRUCTION:

- OCCUPANCY TYPE GROUP A-5
- CONSTRUCTION TYPE VB

OCCUPANCY CLASSIFICATION & TYPE OF CONSTRUCTION:

- OCCUPANCY TYPE GROUP A-5
- CONSTRUCTION TYPE VB

TITLE II:

- TITLE 19 C.C.R., PUBLIC SAFETY, SFM REGULATIONS
- TITLE 8 C.C.R., CH. 4, SUB
- 2016 CALIFORNIA FIRE CODE, PART 9, CBSC
- 2016 CALIFORNIA ENERGY CODE (CPC), PART 6, CBSC
- 2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, CBSC
- 2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, CBSC
- 2016 CALIFORNIA REFERENCED STANDARDS, PART 12, CBSC

SCALE

1" = 40 FT

AUTHOR

DRAWN BY

50% CONSTRUCTION DOCUMENTS 01.18.2019
EHDD Job Number
No. C26397

Sheet Title
COVER SHEET AND INDEX
Sheet Number
G0.00A
ARCHITECTURAL SYMBOLS & GENERAL NOTES

1. THE FOLLOWING GENERAL NOTES APPLY TO ALL A-SERIES DRAWINGS.

2. FOR GENERAL NOTES APPLICABLE TO ALL DRAWINGS REFER TO THE "PROJECT GENERAL NOTES".

3. FOR HOW A-SERIES GENERAL NOTES AND SYMBOLS REFER TO APPLICABLE DRAWINGS.

4. THE A-SERIES DRAWINGS ARE A PART OF A LARGER SET OF DRAWINGS. REVIEW AND CORRECTIVE THE WORK AS REQUIRED BY THE CONTRACT DOCUMENTS.

PROJECT GENERAL NOTES

1. DO NOT PROCEED WITH AFFECTED WORK UNTIL THE VARIATION OR DISCREPANCY IS RESOLVED.

2. IF A DISCREPANCY EXISTS BETWEEN DRAWINGS, BETWEEN DRAWINGS AND DESCRIPTION OF DRAWINGS, OR BETWEEN DRAWINGS AND SHEET WHERE DRAWN, DON'T PROCEED WITH AFFECTED WORK UNTIL THE VARIATION OR DISCREPANCY IS RESOLVED.

3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL SUPPORTS, ANCHORS, CLIPS, FASTENERS, BRACES, AND REINFORCEMENTS FOR ALL ASSEMBLIES, PARTITIONS, SURFACES, WITH NO VISIBLE MARKINGS, REPAIRS AND OR OTHER REASONS. ALL REPLACEMENT WORK SHALL MATCH ADJOINING PATCHING OF FINISHED WORK ALREADY INSTALLED IF MADE NECESSARY BY ERRORS, CHANGES, OR OTHER REASONS. ALL REPLACEMENT WORK SHALL MATCH ADJOINING PATCHING OF FINISHED WORK ALREADY INSTALLED IF MADE NECESSARY BY ERRORS, CHANGES, OR OTHER REASONS. ALL REPLACEMENT WORK SHALL MATCH ADJOINING PATCHING OF FINISHED WORK ALREADY INSTALLED IF MADE NECESSARY BY ERRORS, CHANGES, OR OTHER REASONS. ALL REPLACEMENT WORK SHALL MATCH ADJOINING PATCHING OF FINISHED WORK ALREADY INSTALLED IF MADE NECESSARY BY ERRORS, CHANGES, OR OTHER REASONS. ALL REPLACEMENT WORK SHALL MATCH ADJOINING PATCHING OF FINISHED WORK ALREADY INSTALLED IF MADE NECESSARY BY ERRORS, CHANGES, OR OTHER REASONS.

4. SUCH INFORMATION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONTRACTOR. THE CONTRACTOR SHALL ALSO PROVIDE CALCULATIONS FOR ALL SUCH DETAILS SHOWN ON DRAWINGS SHALL BE INCORPORATED INTO THE PROJECT AT ALL APPROPRIATE LOCATIONS WHERE SPECIFICALLY REFERENCED AT EACH LOCATION OR SECTION.

5. IF A DISCREPANCY EXISTS BETWEEN DRAWINGS, BETWEEN DRAWINGS AND SHEET WHERE DRAWN, DON'T PROCEED WITH AFFECTED WORK UNTIL THE VARIATION OR DISCREPANCY IS RESOLVED.

6. MODULAR LAYOUT DETAIL NUMBERING EXAMPLE:

- EACH MODULE MAINTAINS THE NUMBERING SYSTEM ASSOCIATED WITH IT.
- MODULES GROUPED TOGETHER WILL DEFINE THE FINAL DETAIL NUMBER AS THE SUM OF THEIR LOCATION ON EACH SHEET.
- EACH DETAIL MAY OCCUPY ONE OR MORE MODULES. THE DETAIL IDENTIFIED IN THE DETAIL NUMBERING SYSTEM CAN BE APPLIED TO ANY DRAWING THAT CONTAINS MULTIPLE IMAGES. THE IMAGES ARE NUMBERED ACCORDING TO THE MODULE SYSTEM SHOWN ILLUSTRATED TO THE LEFT.
- THIS SYSTEM CAN BE APPLIED TO ANY DRAWING THAT CONTAINS MULTIPLE IMAGES. THE IMAGES ARE NUMBERED ACCORDING TO THE MODULE SYSTEM SHOWN ILLUSTRATED TO THE LEFT.
- EACH MODULE MAINTAINS THE NUMBERING SYSTEM ASSOCIATED WITH IT.
- Module numbers are not necessarily consecutive, each module maintains the number associated with it.

7. IF A DISCREPANCY EXISTS BETWEEN DRAWINGS, BETWEEN DRAWINGS AND SHEET WHERE DRAWN, DON'T PROCEED WITH AFFECTED WORK UNTIL THE VARIATION OR DISCREPANCY IS RESOLVED.

8. IF A DISCREPANCY EXISTS BETWEEN DRAWINGS, BETWEEN DRAWINGS AND SHEET WHERE DRAWN, DON'T PROCEED WITH AFFECTED WORK UNTIL THE VARIATION OR DISCREPANCY IS RESOLVED.

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10. THE CONTRACTOR SHALL FABRICATE OR INSTALL ANY WORK WHERE THEY HAVE REASONABLE KNOWLEDGE THAT THE CONTRACT DOCUMENTS ARE IN CONFLICT WITH APPLICABLE CODES OR INTERPRETATION OF THE AUTHORITY HAVING JURISDICTION. ANY SUCH INFORMATION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONTRACTOR. THE CONTRACTOR SHALL ALSO PROVIDE CALCULATIONS FOR ALL SUCH DETAILS SHOWN ON DRAWINGS SHALL BE INCORPORATED INTO THE PROJECT AT ALL APPROPRIATE LOCATIONS WHERE SPECIFICALLY REFERENCED AT EACH LOCATION OR SECTION.

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13. MODULAR LAYOUT DETAIL NUMBER

- DETAILS ARE NUMBERED ACCORDING TO SHEET LAYOUTS ON SHEETS AND ARE NOT NOMBRED CONSECUTIVELY, EACH MODULE MAINTAINS THE NUMBER ASSOCIATED WITH IT.
- THIS SYSTEM CAN BE APPLIED TO ANY DRAWING THAT CONTAINS MULTIPLE IMAGES. THE IMAGES ARE NUMBERED ACCORDING TO THE MODULE SYSTEM SHOWN ILLUSTRATED TO THE LEFT.
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- EACH MODULE MAINTAINS THE NUMBER ASSOCIATED WITH IT.

14. SHELF-ARMS: THE NUMBER OF THE MODULE WHICH OCCURS IN THE CENTER LEFT CORNER OF A SHELF-ARM MODULE IS REFERRED TO THE "PROJECT GENERAL NOTES".

MODULAR LAYOUT DETAIL NUMBER

- DETAILS 0-2 ARE NAMED ACCORDING TO EACH SHEET LAYOUTS ON SHEETS. THEY ARE NOT NOMBRED CONSECUTIVELY, EACH MODULE MAINTAINS THE NUMBER ASSOCIATED WITH IT.
- THIS SYSTEM CAN BE APPLIED TO ANY DRAWING THAT CONTAINS MULTIPLE IMAGES. THE IMAGES ARE NUMBERED ACCORDING TO THE MODULE SYSTEM SHOWN ILLUSTRATED TO THE LEFT.
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TYPICAL EMERGENCY EVACUATION SIGNAGE

- TYPICAL MEN'S RESTROOM WALL SIGNAGE
- TYPICAL WOMEN'S RESTROOM WALL SIGNAGE
- TYPICAL UNISEX RESTROOM WALL SIGNAGE
- ASSISTIVE LISTENING SYSTEM AVAILABLE AT (RECEPTION)
- ASSISTIVE LISTENING SYSTEM SIGNAGE
- DORM BEDROOM NUMBER SIGNAGE
- PUBLIC ROOM NUMBERNAME SIGNAGE

GENERAL NOTES

1. SIGNAGE TO BE PROVIDED AT ALL LOCATIONS REQUIRED BY CODE.

2. CBC 11B, 11B.203.3: FINISH AND CONTROLS: CHARACTERS, SYMBOLS AND GRAPHICS ON SIGNAGE SHALL BE OF DURABLE MATERIALS. CHARACTERS AND SYMBOLS SHALL BE PROVIDED IN VARIOUS COLOR GRADATIONS ON A DURABLE BACKGROUND ORIENTATION ON A LIGHT BACKGROUND.

3. CBC 11B.7: RAISED LETTERS AND GRAPHICS. RAISED LETTERS AND GRAPHICS TO BE PROVIDED IN VARIOUS COLOR GRADATIONS ON A DURABLE BACKGROUND ORIENTATION ON A LIGHT BACKGROUND. RAISED LETTERS SHALL BE ALABAMIAN LETTERS OF A HEIGHT OF WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITH A HEIGHT MINIMUM OF 5/8" AND MAXIMUM 2", UON. CHARACTER STROKE WHERE NOTED. LETTERING TO BE SANS SERIF FONT (SEE SPECIFICATIONS). WHERE NOTED. LETTERING TO BE CONTRACTED (GRADE 2), INTEGRAL WITH SIGN, COLOR TO MATCH BACKGROUND. CHARACTERS AND SYMBOLS SHALL BE PROVIDED IN VARIOUS COLOR GRADATIONS ON A DURABLE BACKGROUND ORIENTATION ON A LIGHT BACKGROUND.

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NOTE: SURVEY FOR REFERENCE ONLY
NOTE: SURVEY FOR REFERENCE ONLY

PLAN VIEW

SURVEYOR'S STATEMENT:

This survey was prepared by me or under my direct supervision and is based upon a field survey.

DATE OF FIELD SURVEY:

05/24/18

NOTE: CONTINUE INSETION: G.E.
SITE SURVEY - EXISTING POOL

NOTE: SURVEY FOR REFERENCE ONLY


**Table 1017.2**

<table>
<thead>
<tr>
<th>Building Code Analysis By EHDD code Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7A. INTERIOR FLOOR SYSTEMS</td>
<td>(Table 7A.4) Bases for exterior configuration based on fire protection distance and outside픔 with unprotected openings to buildings with exterior openings.</td>
</tr>
</tbody>
</table>

**Table 7A.4**

<table>
<thead>
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</tr>
</tbody>
</table>

**Table 1011.2**

<table>
<thead>
<tr>
<th>Building Code Analysis By EHDD code Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.1.1.3.1</td>
<td>(Table 12.1.1.3.1) Bases for exterior configuration based on fire protection distance and outsideفهم with unprotected openings to buildings with exterior openings.</td>
</tr>
</tbody>
</table>

**Table 506.2**

<table>
<thead>
<tr>
<th>Building Code Analysis By EHDD code Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>506.2</td>
<td>Allowable area factor in square feet.</td>
</tr>
</tbody>
</table>

**Table 602**

<table>
<thead>
<tr>
<th>Building Code Analysis By EHDD code Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>602</td>
<td>Fire-Rated Rating Requirements for Exterior Walls (based on fire resistance requirements).</td>
</tr>
</tbody>
</table>

**Table 601.1**

<table>
<thead>
<tr>
<th>Building Code Analysis By EHDD code Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>601.1</td>
<td>Schedule a minimum fire-resistance rating for exterior walls.</td>
</tr>
</tbody>
</table>

**Table 1008.2**

<table>
<thead>
<tr>
<th>Building Code Analysis By EHDD code Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1008.2</td>
<td>Travel distance maximum clearance distance from any building to a power object with underground piping.</td>
</tr>
</tbody>
</table>

**Table 1022.2**

<table>
<thead>
<tr>
<th>Building Code Analysis By EHDD code Name</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1022.2</td>
<td>Spheres of circular area not more than in diameter.</td>
</tr>
</tbody>
</table>

**Table 1027.2**

<table>
<thead>
<tr>
<th>Building Code Analysis By EHDD code Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1027.2</td>
<td>Spheres of circular area not more than in diameter.</td>
</tr>
</tbody>
</table>
P. Ramps
1. Minimum slope - 1 in 12
2. Minimum rise - 1 ft
3. Minimum width - 4 ft
4. Ramps for use greater than 5 ft shall have handrails on sides.

Q. Exit Signs
1. Not required in rooms or areas requiring only one exit
2. Required at exit and exit access doors and other areas so that no place in a corridor is more than 100 feet from an exit
3. Exit signs may be either internally or externally illuminated

R. Handrails and Guards
1. Guards required on elevated surfaces with an adjacent drop more than 30 inches
2. Guards shall be provided for each guard jet
3. Guards shall be provided for each guard jet
4. Guards shall have opening protection that will not allow a 4 inch diameter sphere to pass

S. Exit Access
1. Exit Access to be provided for each floor of the building
2. Means of egress illumination

3. Roof Assembly and Rooftop Structures

A. Roofing classification – Class C

B. Roof Enclosure
1. Roof enclosure shall have a minimum effective perpendicular height of 5 feet
2. Openings, holes or gaps in the enclosure, doors and/or gates shall not allow the passage of a 4 inch diameter sphere

C. Gates
1. Gates and doors shall be equipped with self-closing and self-latching devices
2. Gates and doors shall open outwardly away from the pool except where otherwise prohibited by law

D. Pool
1. One guarded jet drinking fountain shall be provided for the first 250 pool users and an additional fountain shall be provided for each additional 200 pool users or fraction thereof
2. Number of sanitary facilities
   - 1 toilet for every 50 pool users
   - 5 4 4 3
   - 5 5 3

E. Ancillary Facilities
1. Pool enclosure shall have at least one means of egress without a key or emergency purposes

F. Pool User Capacity
1. One pool user shall be considered for every 15 square feet of pool water surface area and/or spray ground splash zone area
2. Number of pool users
   - 1 for every 15 square feet
   - 1 for every 60 women or less
   - 1 for every 75 men

G. Common Path of Travel
1. Common path of travel in assembly seating area limited to 30 feet
2. Common path of travel limited to 75 feet in Group A when the building is equipped with sprinklers

H. Means of Egress
1. Egress shall not pass through adjoining rooms except where such rooms are accessory, not high-hazard, and provide a discernable path to an exit
2. Egress shall not pass through adjoining rooms except where such rooms are accessory, not high-hazard, and provide a discernable path to an exit
DRAINAGE MANAGEMENT AREAS

<table>
<thead>
<tr>
<th>Area</th>
<th>Area (sf)</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 1</td>
<td>489</td>
<td>bioretention</td>
</tr>
<tr>
<td>DMA 1</td>
<td>1,244</td>
<td>concrete</td>
</tr>
<tr>
<td>DMA 2</td>
<td>1,526</td>
<td>roof</td>
</tr>
<tr>
<td>DMA 3</td>
<td>209</td>
<td>roof</td>
</tr>
<tr>
<td>DMA 4</td>
<td>29</td>
<td>concrete</td>
</tr>
<tr>
<td>DMA 5</td>
<td>2,247</td>
<td>concrete</td>
</tr>
<tr>
<td>SR 1a</td>
<td>946</td>
<td>landscape</td>
</tr>
<tr>
<td>SR 1b</td>
<td>265</td>
<td>landscape</td>
</tr>
<tr>
<td>SR 2</td>
<td>83</td>
<td>landscape</td>
</tr>
<tr>
<td>SR 3</td>
<td>2,290</td>
<td>gravel</td>
</tr>
<tr>
<td>ST 1</td>
<td>964</td>
<td>landscape</td>
</tr>
<tr>
<td>UM 1</td>
<td>13,717</td>
<td>pool</td>
</tr>
<tr>
<td>UM 2</td>
<td>497</td>
<td>pavement</td>
</tr>
<tr>
<td>UM 3</td>
<td>163</td>
<td>pavement</td>
</tr>
</tbody>
</table>

1. Marsh locations of bioretention areas are located on the site plan at the site of the proposed pool. Marsh areas are shown in white on the site plan.
2. The bioretention areas are shown on the site plan. The base elevation of the bioretention areas is shown on the site plan.
3. Stormwater is directed to the bioretention areas by means of swale and channeling on the site plan.

PROPOSED POOL SITE
**Plan**

**Legend**

- **0**
- **5'**
- **10'**
- **20'**
- **NORTH**

**Drainage Management Areas**

<table>
<thead>
<tr>
<th>Area</th>
<th>Area (sf)</th>
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<tbody>
<tr>
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<tr>
<td>DMA-2</td>
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<td>UM-3</td>
<td>163</td>
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</table>

**Notes**

1. **EXISTING POOL SITE**
2. **EXISTING POOL SITE**
3. **EXISTING POOL SITE**

**Stormwater Management Plan**

**Scale**

- 1" = 10'

**Drawn by**

- Taylor Banfield

**Date**

- 03/20/2019

**www.sherwoodengineers.com**

**2548 Mission Street**

**San Francisco, CA 94110**

**EHDD Job Number**

- MARIN ACADEMY

**AQUATIC CENTER**

- MARIN ACADEMY
- 1600 MISSION AVE, SAN FRANCISCO, CALIFORNIA 94110

**Marin Academy AQUATIC CENTER**

- 1600 MISSION AVE, SAN RAFAEL, CALIFORNIA 94901

**Consultant**

- SHERWOOD SYSTEM ENGINEERING

**Sheet**

- C2.02

**Date**

- 03/20/2019
POOL FENCING: Pool fencing will be a combination of solid fencings with a colored, plastic fence and metal picket fence panels at the sides and along the street edges of the site. Black vinyl coated chain link fencing will be used across a portion of the west side of the site adjacent to the existing library.

SITE LIGHTING: Pool lights to match the existing library lights will be used at the pool entrance.

SITE SIGNAGE: Entry signage matching current campus signs will be located at the site entrance.

POOL ELEMENTS: Pool deck, will be concrete, with a medium broom finish. Pool lighting will be pool lights that can illuminate the pool and deck for evening use.

ADA sidewalks will be broom finish concrete to meet city standards.

PROJECT SITE LANDSCAPE AREAS

Site Area: 19,723 ft
10% Landscape Requirement: 1,972 ft
Planted Area: 1,174 ft
Gross Landscape Area: 4,704 ft
Total Landscape Area: 2,068 ft

PLANT MATERIALS: Refer to Sheet L1-300.
5th Avenue Plant Materials

Chinese Pistache Street Tree  Shaped Manzanita Hedge  Island Bush Snapdragon  Eddie's White Wonder Dogwood  Manzanita Groundcover  California Gray Rush

Mission Avenue Plant Materials

Chinese Pistache Street Tree  Vine Maple  Coffeeberry  Creeping Mahonia

Perimeter Plant Materials

Vine Maple  Coffeeberry  Creeping Mahonia  California Gray Rush  Boston Ivy
EAST FENCE AT PROPERTY LINE

1A

5TH AVE

CHULATION PISTACHIO STREET TREE

SOLID FENCE WITH PLASTER FINISH - TH 07:30

BOSTON IVY ON WALL

CABINET AT FACE OF WALL

HOWARD MURPHY MANZANITA

SHRUB Rethod

ISLAND RUSH SHAPED MANZANITA ACCENT SHRUB

MANZANITA GROUND COVER

ELEVATION

1B

EAST FENCE AT PROPERTY LINE

[Diagram showing fence details and materials]
ADA COMPLIANT TRENCH DRAIN COVER

NO SCALE

SECTION

4. CONCRETE PAVING - EXISTING TO NEW

1/4" RADIUS TOOLIED EDGE ALONG EDGES OF PAVING, T/Y.

EXPANSION JOINT FILLER - HOLD TIGHT WITH TOP OF PAVING, MASK TOP OF FILLER WITH DUCT TAPE TO PREVENT PENETRATION OF CONCRETE AND FILLER. TAPE AFTER FLOATING, FINISHING AND CURING CONCRETE.

EXPANSION JOINT MATERIAL, APPLIANCE EXPANSION JOINT BOARD CONFORMING TO ASTM C1510, TYP.

CONCRETE PAVING - SEE PLAN.

SECTION

1. CONCRETE PAVING

FACE OF BUILDING, WALL, OR BOTTOM OF STAIR:

EDGE OF EXISTING PAVING, TOP OF STAIR OR HAND OF STAIR

1/4" RADIUS TOOLIED EDGE ALONG BOTH SIDES OF JOINT, TYP.

EXPANSION JOINT FILLER - HOLD TIGHT WITH TOP OF PAVING, MASK TOP OF FILLER WITH DUCT TAPE TO PREVENT PENETRATION OF CONCRETE AND FILLER. TAPE AFTER FLOATING, FINISHING AND CURING CONCRETE.

SECTION

5. EXPANSION JOINT AT EDGE OF PAVING

1/4" RADIUS TOOLIED EDGES ALONG BOTH SIDES OF JOINT, TYP.

EXPANSION JOINT FILLER - HOLD TIGHT WITH TOP OF PAVING, MASK TOP OF FILLER WITH DUCT TAPE TO PREVENT PENETRATION OF CONCRETE AND FILLER. STRIP TAPE AFTER FLOATING, FINISHING AND CURING CONCRETE.

EXPANSION JOINT MATERIAL, APPLIANCE EXPANSION JOINT BOARD CONFORMING TO ASTM C1510, TYP.

CONCRETE PAVING - SEE PLAN.

SECTION

2. CONTROL JOINT

1/4" RADIUS TOOLIED EDGES ALONG BOTH SIDES OF JOINT, TYP.

EXPANSION JOINT FILLER - HOLD TIGHT WITH TOP OF PAVING, MASK TOP OF FILLER WITH DUCT TAPE TO PREVENT PENETRATION OF CONCRETE AND FILLER. STRIP TAPE AFTER FLOATING, FINISHING AND CURING CONCRETE.

EXPANSION JOINT MATERIAL, APPLIANCE EXPANSION JOINT BOARD CONFORMING TO ASTM C1510, TYP.

CONCRETE PAVING - SEE PLAN.

SECTION

3. EXPANSION/CONSTRUCTION JOINT

1/4" RADIUS TOOLIED EDGES ALONG EDGES OF PAVING, TYP.

SURFACE TREATMENT - REFER TO PLANS.

2 #4 BARS TOP AND BOTTOM CONTINUOUS, REINFORCED AT W/CONTROL JOINTS, BOTH BARS AT EXPANSION JOINTS, TYP.

THICKENED SLAB AT EDGE OF PAVING, TYP.

#4 BAR (1/2" C.C.) CURVE ALONG SLAB AT CONTROL JOINTS, DISCONTINUE BARS AT EXPANSION JOINTS, LAYS 1/2 MINIMUM, TYP.

CONCRETE PAVING - SEE PLAN.

SECTION

1. TRENCH DRAIN

NO SCALE

EXISTING CONCRETE PAVING - SEE PLAN.

1/4" RADIUS TOOLIED EDGE ALONG BOTH SIDES OF JOINT, TYP.

EXPANSION JOINT FILLER - HOLD TIGHT WITH TOP OF PAVING, MASK TOP OF FILLER WITH DUCT TAPE TO PREVENT PENETRATION OF CONCRETE AND FILLER. TAPE AFTER FLOATING, FINISHING AND CURING CONCRETE.

EXPANSION JOINT MATERIAL, APPLIANCE EXPANSION JOINT BOARD CONFORMING TO ASTM C1510, TYP.

CONCRETE PAVING - REFER TO DETAIL 15.5.01, TYP.

EXISTING CONCRETE PAVING - SEE PLAN.

1/4" RADIUS TOOLIED EDGE ALONG EDGES OF PAVING, TYP.

EXPANSION JOINT FILLER - HOLD TIGHT WITH TOP OF PAVING, MASK TOP OF FILLER WITH DUCT TAPE TO PREVENT PENETRATION OF CONCRETE AND FILLER. TAPE AFTER FLOATING, FINISHING AND CURING CONCRETE.

EXPANSION JOINT MATERIAL, APPLIANCE EXPANSION JOINT BOARD CONFORMING TO ASTM C1510, TYP.

CONCRETE PAVING - REFER TO DETAIL 15.5.01, TYP.

CONCRETE PAVING - SEE PLAN.

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CONCRETE PAVING - SEE PLAN.

CONCRETE PAVING - SEE PLAN.
**DOOR TYPES**

**SEE ENLARGED FLOOR PLANS - ELEVATIONS FOR SIZE & DIMENSIONS**

**KICK PLATES**
WHERE NOTED IN HARDWARE

**GROUPS**

**ACCESSIBLE ROOM IDENTIFICATION SIGN; SEE GRAPHIC SHEETS. MOUNT ON STRIKE SIDE. RAISED LETTER AND BRAILLE CONFORM WITH CBC SECTIONS 1117B.5.6 THRU 1117B.5.6.3 AND SECTION 1117B.5.9**

**TYPICAL ROOM IDENTIFICATION SIGNAGE LOCATION**

**TYPICAL DOOR KICK PLATES**

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<th>NO.</th>
<th>FUNCTION</th>
<th>DOOR SIZE</th>
<th>DOOR FRAME</th>
<th>MATERIAL</th>
<th>FRAME</th>
<th>FINISH</th>
<th>DETAILS</th>
<th>MEASUREMENT</th>
<th>DOOR HC.PINT</th>
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**SCHEDULE ABBREVIATIONS**

- HM: Hollow Metal
- MP: Metal Picket
- FIN: Finish
- PTD: Painted

**NOTES**

- *NOTE: REFER TO EXTERIOR AND INTERIOR GLAZING SYSTEM SCHEDULE AND GLASS SCHEDULE FOR ADDITIONAL INFORMATION*
MARIN ACADEMY AQUATIC CENTER
1600 MISSION AVE.
SAN RAFAEL, CALIFORNIA 94901

SCALE: 1/4" = 1'-0"

PLANT SHEET NOTES
1. FOR GENERAL NOTES APPLICABLE TO ALL DRAWINGS REFER TO THE "PROJECT GENERAL NOTES" ON SHEET G0.02.
2. REFER TO A3 SERIES FOR EXTERIOR OPENING AND WALL MATERIAL INFORMATION.
3. REFER TO G0.08 AND G0.09 FOR SIGNAGE INFORMATION.
4. REFER TO A2.01S FOR FLOOR DRAINS, CURBS AND SLOPED SLAB INFORMATION.
5. REFER TO A7 SERIES FOR ENLARGED STAIR PLANS AND SECTIONS.
6. REFER TO A2.21 FOR FINISH AND TOILET ACCESSORIES INFORMATION.

PLAN LEGEND
1 HR RISE RATED PARTITION
PROPERTY LINE
FIRE EXTINGUISHER CABINET

1.  FOR GENERAL NOTES APPLICABLE TO ALL DRAWINGS REFER TO THE "PROJECT GENERAL NOTES" ON SHEET G0.02.
2.  REFER TO A3 SERIES FOR EXTERIOR OPENING AND WALL MATERIAL INFORMATION.
3.  REFER TO G0.08 AND G0.09 FOR SIGNAGE INFORMATION.
4.  REFER TO A2.01S FOR FLOOR DRAINS, CURBS AND SLOPED SLAB INFORMATION.
5.  REFER TO A7 SERIES FOR ENLARGED STAIR PLANS AND SECTIONS.
6.  REFER TO A2.21 FOR FINISH AND TOILET ACCESSORIES INFORMATION.
1. FOR GENERAL NOTES APPLICABLE TO ALL DRAWINGS REFER TO THE PROJECT GENERAL NOTES ON SHEET G0.02.
2. REFER TO A3 SERIES FOR EXTERIOR OPENING AND WALL MATERIAL INFORMATION.
3. REFER TO A3.12 SERIES FOR ENLARGED STAR PLANS AND SECTIONS.
4. REFER TO A7 SERIES FOR ENLARGED STAIR PLANS AND SECTIONS.
5. REFER TO A2.01S FOR FLOOR DRAINS, CURBS AND SLOPED SLAB INFORMATION.
6. REFER TO A2.21 FOR FINISH AND TOILET ACCESSORIES INFORMATION.
FINISH PLAN NOTES

1. REFER TO SHEET A0.20 FOR MATERIAL FINISH SCHEDULE.
2. REFER TO EXTERIOR ELEVATIONS AND REFLECTED CEILING PLANS FOR EXTERIOR FINISHES.
3. DOOR FRAMES AND SILL FINISHES ARE INDICATED ON DOOR SCHEDULE.
4. FLOOR EXTERIOR TRANSITIONS OCCURRING IN OPENINGS WITH DOORS ARE LOCATED AT THE CENTER OF THE DOOR IN CLOSED POSITION.
5. ALLOWS FLOOR FINISHES AND WALLS TO MEET THE MINIMUM REQUIREMENTS OF 2016 CBC.CFC CHAPTER 8 AND CCR TITLE 19 FOR FLAME SPREAD AND SMOKE DEVELOPMENT.

RECESSION ACCESSORIES LEGEND

1. SURFACE MOUNTED HAND DRYER
2. SWIM SUIT DRYER
3. SURFACE MOUNTED SEAT COVER DISPENSER. SANITARY NAPKIN DISPOSAL, SHELF AND TOILET TISSUE DISPENSER
4. 36" GRAB BAR
5. 42" GRAB BAR
6. MIRROR
7. HOOK
8. SHOWER ROD
9. SHOWER SEAT
10. WALL HUNG SHELF
11. WALL HUNG BENCH WITH SHOE TRAY
12. LINEAR MULTIPLE HOOKS
13. SHOWER L SHAPED GRAB BAR

FLOOR PLAN FINISH LEGEND

- WALL FINISH
- BASE FINISH
- FLOORING - CON-1
- FLOORING - CON-2
- FLOORING - T-3
- FLOORING - RB-1

FINISH PLAN - MISSION LEVEL

MISSION AVE LEVEL FINISH PLAN
1. Refer to specifications for window, glazing system and glass types.
2. Refer to A200 series for door number and # of sash per window.
3. Glass is GL-4 TP-60.
1. FOR GENERAL NOTES APPLICABLE TO ALL DRAWINGS REFER TO THE "PROJECT GENERAL NOTES" ON SHEET G0.02.
2. REFER TO SHEETS A9.11 FOR TYPICAL SUSPENDED CEILING DETAILS.
3. PAINT EXPOSED ACCESS PANELS TO MATCH ADJACENT SURFACE.
4. REFER TO SHEET A0.20 FOR MATERIAL FINISH SCHEDULE.
5. PENDENT LIGHT FIXTURES TO BE MOUNTED AT _____.
6. DIMENSIONS ARE TO CENTERLINE OF FIXTURE OR DEVICE UON.
7. CEILING ACCESS PANEL SIZE TO BE 24"X30" TYP UON.
8. WINDOW SHADE LENGTH TO BE VIF.

REFLECTED CEILING PLAN NOTES
ENLARGED PLAN - STAIR 1 & 2 MISSION LEVEL

1. METAL PICKET GATE AND FENCE
2. ROOF DECK
3. STAINLESS STEEL CABLE GUARDRAIL
4. STAIR 1
5. STAIR 2
6. POOL DECK
7. ROOF
8. WATER ENTRANCE
9. CABINET/STORAGE
10. 12 TREADS @ 11" = 11' - 0"
11. 5' - 11"

ENLARGED PLAN - STAIR 1 & 2 GROUND LEVEL

1. METAL PICKET GATE AND FENCE
2. ROOF DECK
3. STAINLESS STEEL CABLE GUARDRAIL
4. STAIR 1
5. STAIR 2
6. POOL DECK
7. ROOF
8. WATER ENTRANCE
9. CABINET/STORAGE
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ENLARGED PLAN - STAIR 1 & 2 ROOF LEVEL

1. METAL PICKET GATE AND FENCE
2. ROOF DECK
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4. STAIR 1
5. STAIR 2
6. POOL DECK
7. ROOF
8. WATER ENTRANCE
9. CABINET/STORAGE
10. 12 TREADS @ 11" = 11' - 0"
11. 5' - 11"
CONTRACTOR FURNISHED DESIGN

The Contractor shall furnish a professional civil or structural engineer, licensed in the State of California, to prepare a fully engineered design of the Items listed below. All drawings, specifications, and calculations shall be in accordance with the professional engineer.

A. T.B.

B. 8.03

C. 0.78

D. 0.08

E. 0.014

F. 94.0

CAST-IN-PLACE CONCRETE

CONCRETE PADS AND CURBS FOR SUPPORT OF EQUIPMENT AND PIPING.

CONCRETE REBAR: 0.75 TIMES B.D. FOR NON-WEATHERING REBAR.

CONCRETE REBAR: 0.67 TIMES B.D. FOR WEATHERING REBAR.

CONCRETE WIRE: 1.1 TIMES B.D.

CONCRETE PILES: 1.3 TIMES B.D.

CONCRETE SPANS: 1.0 TIMES B.D.

CONCRETEJOINTS: 1.0 TIMES B.D.

CONCRETE JOINT: 1.0 TIMES B.D.

CONCRETE JOINT: 1.0 TIMES B.D.

CONCRETE JOINT: 1.0 TIMES B.D.

CONCRETE JOINT: 1.0 TIMES B.D.

CONCRETE JOINT: 1.0 TIMES B.D.

CONCRETE JOINT: 1.0 TIMES B.D.
MATERIAL TESTING: THE ITEMS INDICATED BELOW REQUIRE SAMPLING AND/OR TESTING IN GRADE 36 TYPICAL AT BOLTED SHEAR TABS OR AS NOTED ON THE DRAWINGS.

CROSS LAMINATED TIMBER DECKING: SPRUCE BUILT PLATE: GRADE 50, TYPICAL U.O.N.
PRESERVATIVE TREATED LUMBER: WCLIB NO. 1 & BETTER GRADE, PRESSURE PRESERVATIVE - TYPICAL: MANUFACTURED BY SIMPSON STRONGTIE COMPANY OR APPROVED EQUAL, U.O.N.
ENGINERED LUMBER: ALL GLU LEVEL B RICON S VS CONNECTORS AS MANUFACTURED BY REFER TO PROJECT SPECIFICATIONS FOR MORE DETAILED REQUIREMENTS FOR TESTS AND ALL WOOD THAT WILL BE EXPOSED TO VIEW SHALL BE PROTECTED THROUGHOUT THE
04 22 15
HIGH STRENGTH ANCHOR BOLTS (AT ALL FRAME COLUMNS): ASTM F1554, GRADE 105.
PERIODIC THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT PERSONNEL WITHIN THE WORK TO OBSERVE ERECTION OF TIMBER FRAME (2 VISITS)
METAL FRAMING ACCESSORIES:
RUTHERFORD + CHEKENE HAS NOT PERFORMED INVESTIGATIONS TO DETERMINE THE PRESENCE CONNECTIONS AS DESIGNATED ON DRAWINGS.
PRESERVATIVE TREATED LUMBER: PRESSURE TREATMENT OF WOOD PRODUCTS SHALL CONFORM TO THE REQUIREMENTS FOR THE SPECIFIED USE CATEGORY IN ACCORDANCE WITH AWPA U1. THE
FRAMING LUMBER, PLATES, STUDS, BLOCKING, BACKING AND NAILERS (2 TO 4 INCHES THICK, 4 INCHES WIDE): WCLIB STRUCTURAL GRADE.
CONNECTIONS INCLUDING GUSSETS.
WELDING:
WOOD SILLS IN CONTACT WITH CONCRETE FOUNDATIONS OR FLOOR SLABS ON GROUND:
THE FOLLOWING CHECKLISTS ARE TO ASSIST THE CONTRACTOR IN SCHEDULING OF TESTING AND SPECIAL INSPECTORS SHALL BE QUALIFIED BY TRAINING AND EXPERIENCE FOR THE REQUIRED
Hazardous Materials Table

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<th>Specification/Section</th>
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MATERIAL TESTING CHECKLIST

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<tr>
<td>PLYWOOD DIAPHRAGM NAILING</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MATERIAL TESTING AND INSPECTION

1. THE FOLLOWING CHECKLISTS ARE TO ASSIST THE CONTRACTOR IN SCHEDULING OF TESTING AND INSPECTION RELATED TO STRUCTURAL FEATURES. THE WORK OF OTHER DISCIPLINES MAY REQUIRE TESTING AND INSPECTION OTHERWISE NOTED.
2. REFER TO AVAILABLE PROCESSIONS OF DIVISION 1 OF THE PROJECT SPECIFICATIONS AND THE GENERAL CONDITIONS OF THE CONTRACT FOR OWNERS REPRESENTATIVE OWNERS TESTING LABORATORY, GEOTECHNICAL ENGINEER AND CONTRACTOR'S RESPONSIBILITIES REGARDING TESTING AND INSPECTION.
3. REFER TO PROJECT SPECIFICATIONS FOR MORE DETAILED REQUIREMENTS FOR TESTS AND INSPECTIONS. THE PROJECT SPECIFICATIONS SHALL TAKE PRECEDENCE OVER THESE CHECKLISTS.
4. SPECIAL INSPECTORS SHALL BE QUALIFIED BY TRAINING AND EXPERIENCE FOR THE REQUIRED INSPECTIONS AND MAY BE ACCREDITED TO THE CONTRACTOR'S SPECIFICATIONS. ADDITIONAL TESTING AND INSPECTIONS MAY BE REQUIRED WHERE THE PROJECT SPECIFICATIONS REQUIRE TESTING AND INSPECTIONS DIFFER FROM THE SPECIAL INSPECTOR'S RECOMMENDATIONS. THE CONTRACTOR SHALL PERFORM ALL LABS AND RESPONSIBILITIES AS REQUIRED BY CONTRACT SECTION 1704.
5. MATERIAL TESTING. THE ITEMS INDICATED BELOW REQUIRE SAMPLING AND TESTING IN ACCORDANCE WITH PROVISIONS OF THE CBC AND REQUIREMENTS OF THE PROJECT SPECIFICATIONS.
6. ADDITIONAL SAMPLING AND TESTING WILL BE REQUIRED WHERE MATERIALS CANNOT BE PROPERLY TESTED TO MILL CERTIFICATES.

Example Checklist

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification/Section</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pull Test</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slump, Strength</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Concrete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drilled Dowels in Concrete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Expansion Anchors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Structural Welding</td>
<td></td>
<td></td>
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<tr>
<td>Plywood diaphragm Nailing</td>
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<td></td>
</tr>
<tr>
<td>Structural Steel</td>
<td></td>
<td></td>
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</table>
### Diffuser / Grille Schedule

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Quantity</th>
<th>Size</th>
<th>Color</th>
<th>Description</th>
<th>Finish</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>A</td>
<td>Aluminum</td>
<td>100</td>
<td>12&quot;</td>
<td>White</td>
<td>1200</td>
<td>Matte</td>
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<tr>
<td>B</td>
<td>Plastic</td>
<td>50</td>
<td>18&quot;</td>
<td>Black</td>
<td>2400</td>
<td>Gloss</td>
<td></td>
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<tr>
<td>C</td>
<td>Stainless</td>
<td>30</td>
<td>24&quot;</td>
<td>Silver</td>
<td>2432</td>
<td>Polished</td>
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<tr>
<td>D</td>
<td>Glass</td>
<td>10</td>
<td>36&quot;</td>
<td>Clear</td>
<td>2424</td>
<td>Clear</td>
<td></td>
</tr>
</tbody>
</table>

### Mechanical Schedules

#### Gas-Fired Fan Coil Unit Schedule

<table>
<thead>
<tr>
<th>Unit No.</th>
<th>Model</th>
<th>Capacity</th>
<th>Btu/h</th>
<th>Efficiency</th>
<th>Supply Volts</th>
<th>Amps</th>
<th>Phase</th>
<th>Hertz</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>GFC-1</td>
<td></td>
<td>30,000</td>
<td>120</td>
<td>80</td>
<td>208/240</td>
<td>11</td>
<td></td>
<td>60</td>
<td>30</td>
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</tbody>
</table>

#### Make-Up Air Ventilation Supply Fan Unit

<table>
<thead>
<tr>
<th>Unit No.</th>
<th>Model</th>
<th>Capacity</th>
<th>Btu/h</th>
<th>Efficiency</th>
<th>Supply Volts</th>
<th>Amps</th>
<th>Phase</th>
<th>Hertz</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAV-1</td>
<td></td>
<td>20,000</td>
<td>120</td>
<td>80</td>
<td>208/240</td>
<td>11</td>
<td></td>
<td>60</td>
<td>30</td>
</tr>
</tbody>
</table>

#### Exhaust Fan Schedule

<table>
<thead>
<tr>
<th>Unit No.</th>
<th>Model</th>
<th>Capacity</th>
<th>Btu/h</th>
<th>Efficiency</th>
<th>Supply Volts</th>
<th>Amps</th>
<th>Phase</th>
<th>Hertz</th>
<th>Size</th>
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</thead>
<tbody>
<tr>
<td>EXF-1</td>
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<td>4,000</td>
<td>120</td>
<td>80</td>
<td>208/240</td>
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<td>60</td>
<td>10</td>
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</tbody>
</table>

#### Radiant Panel Heater Schedule

<table>
<thead>
<tr>
<th>Unit No.</th>
<th>Model</th>
<th>Capacity</th>
<th>Btu/h</th>
<th>Efficiency</th>
<th>Supply Volts</th>
<th>Amps</th>
<th>Phase</th>
<th>Hertz</th>
<th>Size</th>
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</thead>
<tbody>
<tr>
<td>RPH-1</td>
<td></td>
<td>1,000</td>
<td>120</td>
<td>80</td>
<td>208/240</td>
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<td>60</td>
<td>20</td>
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</table>

#### Relief Vent/Hood Schedule

<table>
<thead>
<tr>
<th>Unit No.</th>
<th>Model</th>
<th>Capacity</th>
<th>Btu/h</th>
<th>Efficiency</th>
<th>Supply Volts</th>
<th>Amps</th>
<th>Phase</th>
<th>Hertz</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL-1</td>
<td></td>
<td>250</td>
<td>120</td>
<td>80</td>
<td>208/240</td>
<td>11</td>
<td></td>
<td>60</td>
<td>10</td>
</tr>
</tbody>
</table>

**Notes:**
1. Units listed are the minimum for each section.
2. Units are sized based on predicted heat loads.
3. Units are placed in areas where they are needed for comfort considerations.
4. Units are designed for continuous operation.
5. Units are designed for easy access for maintenance and cleaning.
6. Units are designed for durability and longevity.
7. Units are designed for energy efficiency and cost savings.
LOW WALL EXHAUST GRILLE TERMINATE BOTTOM OF GRILLE AS SHOWN TRIM AT GRILLE OUTLET FOR EASY REMOVAL OF DEBRIS FROM TRIM EDGES.

CPM COMPENSATING AIR BREAK AT OUTLET

ACCESS PANEL FOR EQUIPMENT MAINTENANCE

LOW COMBUSTION AIR VIA LOUVERED DOORS.

INDOOR, WALL MOUNTED HEAT PUMP UNIT. MOUNT TOP OF UNIT WITHIN 6" OF CEILING. ROUTE CONDENSATE DRAIN TO FLOOR DRAIN IN MECHANICAL ROOM.

DUCT WORKS SMOKE DETECTOR, FIRE ALARM INSTALLED BY MECHANICAL.

PROVIDE INTERNAL LINING IN DUCTWORK AS IDENTIFIED.
GENERAL NOTES - CLEANING, TESTING, STERILIZATION

1. THOROUGHLY CLEAN AND FLUSH ALL DRAINAGE AND WATER PIPING SYSTEMS OF ALL NODULAR OF CONDENSATION OF DRAINAGE AND WATER PIPES PRIOR TO TESTING.

2. ANY PIPE OF EQUIPMENT ON PART OF A SYSTEM, MANIFOLD OR Fittings OR IS DISCONNECTED FOR CLEANING OR TESTING, THE MANIFOLD, BEING DISCONNECTED FROM THE PIPING, SHALL BE MAINTAINED FREE OF DIRT AND WATER PRIOR TO RE-ATTACHMENT.

3. BEFORE CONDUCTING TESTS, VALVE-OFF OR DISCONNECT ANY EQUIPMENT AND APPARATUS WHICH MAY BE AFFECTED BY THE TEST PRESSURES. REMOVAL OF NORMAL OPERATIONAL PRESSURES.

4. ALL TESTS SHALL BE INITIATED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION.

5. SUBSTITUTE WATER AND WASTE PIPES, TEST AND PRESSURIZE WITH CORRECT HEAD OF WATER TO ENSURE SIMULATION OF THE CALIFORNIA PLUMBING CODE.

6. USE PRESSURE GAGE TEST AND PRESSURE HOSE TO AFFECT THE TESTS. WHENEVER TESTS ARE COMPLETE, THE APPARATUS TESTED OR FURNISHED SHALL BE RECONNECTED TO THE SYSTEMS AND RE-PRESSURIZED TO THE PRESSURE REQUIRED.

7. FINAL PRESSURES AT THE END OF TEST PERIOD SHALL BE NOT MORE THAN THAT PROVEN HYDROSTATICALLY AT A PRESSURE OF 150 PSI.

8. APPLY TESTS FOR A MINIMUM PERIOD OF TWO (2) HOURS, OR AS NOTED ABOVE, OR UNTIL DARUN AND RE-TEST THE PORTION OF THE WORK REPLACED.

9. WORK MAY BE TESTED IN SECTIONS, IF NECESSARY, FOR CONVENIENCE. IN THIS CASE, COMPLETE PLANS AND SPECIFICATIONS (INCLUDING HYDRAULIC CALCULATIONS AND COMPUTER MODELING) HAVE BEEN APPROVED BY COUNTY FIRE MARSHAL.

10. CONTRACTOR SHALL INSTALL SPRINKLER SYSTEM TO BE CLEAR OF NEW AND EXISTING LIGHTING FIXTURES, EXHAUST DIFFUSERS, AND OTHER EQUIPMENT. PROVIDE ADEQUATE CLEARANCE BETWEEN NEW SPRINKLER EQUIPMENT/DEVICES. PROVIDE ADEQUATE CLEARANCE BETWEEN NEW SPRINKLER EQUIPMENT/DEVICES AND EXISTING (NUMBER OF POINTS) ARRESTERS, AND TRAP PRIMER LOCATIONS.

11. PROVIDE CEILING OR WALL ACCESS PANEL AT ALL VALVES, WATER HAMMER ARRESTERS AND TRAP PRIMERS. SEE EQUIPMENT CUTSHEETS AND DATA FOR DETAILS.

FIRE PROTECTION GENERAL NOTES

1. PROJECT AREAS SHALL BE FULLY PROTECTED BY AUTOMATIC FIRE SPRINKLERS IN ACCORDANCE WITH THE CALIFORNIA FIRE CODE AND CALIFORNIA BUILDING CODE.

2. GASOPON PRESENTER, OR AS NOTED ABOVE, OR UNTIL DARUN AND RE-TEST THE PORTION OF THE WORK REPLACED.

3. INSTALLATION OF THE SPRINKLER SYSTEM SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND WITH THE REQUIREMENTS OF THE CALIFORNIA FIRE CODE.

4. PROVIDE CLEARANCE BETWEEN SPRINKLER HEADS AND EXISTING EXHAUST DIFFUSERS, LIGHTING FIXTURES, AND OTHER APPARATUS WHICH MAY BE AFFECTED BY THE TEST PRESSURES.

5. PROVIDE CLEARANCE TO EXISTING (NUMBER OF POINTS) END OF THE TEST PERIOD.

6. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE-STOPPED. FIRE STOPPING MATERIAL/SYSTEM.

7. CONTRACTOR SHALL FIELD-VERIFY LOCATION OF EXISTING UNDERGROUND SYSTEMS THROUGH ALL CYCLES OF OPERATION FOR THIS PERIOD OF 8 HOURS.

8. VIA PIPE SUPPLY LINE TO EACH WATER OUTLET LOCATION STATING THE WATER SYSTEM HAS UNDERGONESterilization Work.

9. CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN THE MOST CURRENT WATER SUPPLY INFORMATION)

10. CONTRACTOR SHALL FIELD-VERIFY LOCATION OF EXISTING UNDERGROUND SYSTEMS THROUGH ALL CYCLES OF OPERATION FOR THIS PERIOD OF 8 HOURS. NOTIFY OBSERVATION OF THE AUTHORITY HAVING JURISDICTION. OPERATE THE WATER SYSTEMS THROUGH ALL CYCLES OF OPERATION FOR THIS PERIOD OF 8 HOURS.

11. PROVIDE CEILING OR WALL ACCESS PANEL AT ALL VALVES, WATER HAMMER ARRESTERS, AND TRAP PRIMERS. SEE EQUIPMENT CUTSHEETS AND DATA FOR DETAILS.
Sheet Title: PLUMBING ROOF PLAN

Sheet Number: P202

Sheet Notes:
1. Vent through roof.
2. Exhaust piping through roof.

Scale: 1/4" = 1'-0"
GENERAL NOTES:

1. Project area shall be fully protected in automatic fire sprinklers in accordance with NFPA 13 and local fire marshals' requirements.
2. Fire protection contractor shall be responsible to coordinate and finalize fire protection shop drawings with contractor's process. All shop drawings shall be required to comply with the current NFPA compliance.
3. Fire sprinkler piping, hangers, and supports shall be in accordance with California fire code and NFPA 13.
4. Installation of the fire protection systems shall be inspected by the fire marshal. All sprinkler systems shall be protected with UL-approved fire stops.
5. All sprinkler systems shall be installed in accordance with NFPA 13 and local fire marshals' requirements.
6. Fire protection contractor shall perform all designs, provide all materials, and labor to install new fire protection systems.
7. Fire protection work shall be a deferred submittal.
8. Project area shall be fully protected by automatic fire sprinklers in accordance with NFPA 13 and local fire marshals' requirements.
9. Fire protection contractor shall be responsible to coordinate and finalize fire protection shop drawings with contractor's process. All shop drawings shall be required to comply with the current NFPA compliance.
10. All sprinkler systems shall be installed in accordance with NFPA 13 and local fire marshals' requirements.
11. Fire protection contractor shall perform all designs, provide all materials, and labor to install new fire protection systems.
12. Fire protection work shall be a deferred submittal.

SHEET NOTES:

1. Design and provide new fire sprinkler piping to suit new construction.
2. Provide new sprinkler heads throughout the coverage area in accordance with the latest adopted edition of NFPA.
3. Provide new sprinkler heads in rooms with no ceilings.
5. Structural connections.
### Abbreviations

- A: AMPS
- BSW: BARE WIRED FLOOR
- BSC: BUILDING COMMUNICATION SYSTEM
- C: CONDUIT
- CO: CONDUCT OR
- DWG: DRAWING
- E: EXISTING TO REMOVE
- FACP: FIRE ALARM CONTROL PANEL
- F: FIRE ALARM TERMINAL CIRCUIT
- GP: GROUND
- MPOE: MINIMUM POINT OF ENTRY
- M: METER
- N: NEW
- NP: N/A
- PH: PANEL
- R: REMAIN TO
- RE: REMOVE TO
- SL: STRUCTURAL DRAWING
- SSD: SEE STRUCTURAL DRAWINGS
- SSS: SEE SHEET DRAWINGS
- T: TERMINAL
- UNEE: UNEXPOSED END OF EOL NUR
- V: VOLT
- W: WALL
- WP: WORK
- ZS: ZS.

### General Notes

1. PROVIDE CIRCUIT DIRECTORY IN ALL NEW PANELS TO REFLECT THE NEW CONDITION. DIRECTARY SHALL BE SEPARATE.
2. PROVIDE CIRCUIT DIRECTORY IN ALL NEW PANELS TO REFLECT THE NEW CONDITION. DIRECTARY SHALL BE SEPARATE.
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12. PROVIDE CIRCUIT DIRECTORY IN ALL NEW PANELS TO REFLECT THE NEW CONDITION. DIRECTARY SHALL BE SEPARATE.

### A4.02 Symbol Legend

- **JUNCTION BOX**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **CONDUIT**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **ACM**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **PFA**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **CHA**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **FNC**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **PLT**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **OCC**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **FY**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **FST**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **FAC**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **CMB**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **FUV**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **FMT**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **FIM**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **FCS**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **FRD**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **FMU**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **FXU**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **FUR**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **FUS**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **FVD**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **FVE**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **FVF**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **FVI**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **FVJ**: WALL MOUNTED, HEIGHT AS REQUIRED.
- **FVH**: WALL MOUNTED, HEIGHT AS REQUIRED.
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- **FVH**: WALL MOUNTED, HEIGHT AS REQUIRED.
LEGEND
INDICATES EXISTING TO REMAIN UNLESS OTHERWISE NOTED (E)

2000A/3P PG&E Incoming Service Panel "A"
(400A) 4#500MCM + 1#2G IN 3-1/2" C
150A/3P PANEL "SP"
(Provided under the swimming pool package)
4#1/0 + 1#6G IN 2" C3/4" x 10'-0" Copper Clad Ground Rod in Ground Well
#1/0 Bare Copper in 1" C

Sheet Notes:
Provide new breaker at available space, type and AIC rating to match existing.
Provide breaker with GFCI protection.
SAN RAFAEL, CALIFORNIA - MUNICIPAL CODE
14.16.227 - light and glare

B. ...one (1) foot-candle ground level overlap at doorways, one-half (½) foot-candle overlap at walkways and parking lots, and fall below one (1) foot-candle at the property line.

INDUSTRY RECOMMENDED LIGHT LEVELS
ILLUMINATING ENGINEERING SOCIETY HANDBOOK 2018

POOL:

- Bimmera - 36 foot-candles
- Starts and Stoops:
  - Bimmera - 50 foot-candles
- Deck:
  - Bimmera - 10 foot-candles
- Observation Deck:
  - Bimmera - 1 foot-candle minimum along the path of egress

SAN RAFAEL, CALIFORNIA - MUNICIPAL CODE

- (1) foot-candle ground level overlap at doorways, one-half (½) foot-candle overlap at walkways and parking lots, and fall below one (1) foot-candle at the property line.
GENERAL NOTES:
1. ALL EQUIPMENT/DEVICES SHOWN SHALL BE REMOVED UNLESS OTHERWISE NOTED.

SHEET NOTES:
DISCONNECT AND REMOVE OVERHEAD INCOMING SERVICE FROM UTILITIES DISTRIBUTION ON MISSION AVENUE. COORDINATE WITH PG&E AND AT&T AND PROVIDE ALL WORK AS REQUIRED.
MANDATORY LIGHTING TARGET
SAN RAFAEL, CALIFORNIA MUNICIPAL CODE
16.06.04 - Light foot plac.
B. ... one (1) foot-candle ground level overlap at doorways, one-half (1/2) foot-candle overlap at walkways and parking lots, and fall below one (1) foot-candle at the property line.

INDUSTRY RECOMMENDED LIGHTING TARGET
ILLUMINATING ENGINEERING SOCIETY RP-6-15 (refer to report excerpt in binder)

<table>
<thead>
<tr>
<th>Location</th>
<th>Max</th>
<th>Avg</th>
<th>Min</th>
<th>Max/Min</th>
<th>Avg/Min</th>
<th>Illuminance</th>
</tr>
</thead>
<tbody>
<tr>
<td>E) LIBRARY</td>
<td></td>
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</tr>
<tr>
<td>E) OFFICE BUILDING</td>
<td></td>
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</tbody>
</table>

***LIGHTING LAYOUT VERIFICATION***

MARIN ACADEMY AQUATIC CENTER
HIGH SCHOOL OUTDOOR POOL
SAN RAFAEL, CA
GENERAL NOTES:
1. ALL EQUIPMENT/CONCEALMENTS SHOWN ONE-SIZE-UNLESS OTHERWISE NOTED.
2. PROVIDE INTERMEDIATE UNDERGROUND PULL BOXES SIZE TO SUIT ALONG CONDUIT RUN.
3. CONDUIT ROUTING SHOWN SHALL BE UNDERGROUND.

SHEET NOTES:
1. 2" CONDUIT FOR TELEPHONE SYSTEM, STUBBED IN ACCESSIBLE CEILING SPACE.
2. SEA FEEDER FOR "MSB", SEE SINGLE LINE DIAGRAM.
3. PROVIDE LIMITED ACCESS CONDUIT AT WALL PENETRATION.
4. CONNECT TO TELEGRAPH SYSTEM BACKBOARD, SEE SHEET "Y" FOR LOCATION OF BACKBOARD.
5. CONNECT TO PANEL "A", SEE SINGLE LINE DIAGRAM AND SHEET "Y" FOR LOCATION OF PANEL.
6. TO PANEL "A", LIGHTING CONTROL DEVICES.
7. PROVIDE 1" CONDUIT FOR JUNCTION BOX POWERING AUTOMATIC DOOR.

1 SIT PLAN - NEW
3/32" = 1'-0"
ALL EQUIPMENT/DEVICES SHOWN ARE NEW, UNLESS OTHERWISE NOTED.

ALL LAMPS SHALL HAVE 90 CRI, UNLESS OTHERWISE NOTED.

CONNECT ALL EQUIPMENT/DEVICES TO PANEL “A”, UNLESS OTHERWISE NOTED.

DISCONNECT TOGGLE SWITCH PROVIDED BY MANUFACTURER.
OVERRIDE SWITCHES FOR EXTERIOR LIGHTING.
LOCKABLE COVER TO HOUSE DIMMER SWITCH.
PROVIDE RECESS MOUNTED NEMA 1 ENCLOSURE WITH NEMA 1 DISCONNECT TOGGLE SWITCH PROVIDED BY MANUFACTURER.

ENGINEERS

GAYNER ENGINEERS

SAN FRANCISCO, CA
1133 POST STREET
SAN FRANCISCO, CA 94109
TELEPHONE (415) 474-9500
FAX (415) 474-1363

EHDD Job Number
1TM

Sheet Title
LEVEL 1 FLOOR PLANS - LIGHTING

Sheet Number
E201

Scale
3/16" = 1'-0"

Otomatic Notes:
1. All equipment/devices shown are new, unless otherwise noted.
2. Connect all equipment/devices to panel "A", unless otherwise noted.
3. All lamps shall have 90 CRI, unless otherwise noted.

Design Notes:
- Specify finish floor materials appropriate for each area.
- Provide recess mounted overhead lighting fixtures as shown.
- Ensure proper mounting and electrical connections for all fixtures.
- Include maintenance instructions for the equipment shown.

Plan Notes:
- Cold water supply is provided from the main supply source.
- Hot water supply is provided from the hot water heater.
- Provide proper ventilation for all mechanical rooms.
- Ensure proper electrical connections for all equipment.

Sheet Notes:
- Sheet contains various views and details for the level 1 floor plan.
- Details include power and signal wiring, lighting fixtures, and other relevant components.
- Scale is indicated as 3/16" = 1'-0" for accurate measurements.
- Engineering and design by Gayner Engineers, San Francisco, CA 94109.
GENERAL NOTES:
1. ALL EQUIPMENT/DEVICES SHOWN ARE NEW, UNLESS OTHERWISE NOTED.
2. CONNECT ALL EQUIPMENT TO PANEL "A", UNLESS OTHERWISE NOTED.
3. ALL LAMPS SHALL HAVE 90 CRI, UNLESS OTHERWISE NOTED.

SHEET NOTES:
- DISCONNECT TOGGLE SWITCH PROVIDED BY MANUFACTURER.
<table>
<thead>
<tr>
<th>TYPE</th>
<th>DESCRIPTION</th>
<th>LAMPS</th>
<th>VOLTS</th>
<th>MANUFACTURER &amp; CATALOG #</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1</td>
<td>16.5&quot;W x 34&quot;L x 5.6&quot;H TWIN-HEAD POLE MOUNTED LED FIXTURE</td>
<td>LED 1050mA</td>
<td>208</td>
<td>414 208 GARDCO #P34-128L-1050-NW-G2-4-BLC-208-DD-IMRO-RPA-BK OR APPROVED EQUAL</td>
</tr>
<tr>
<td>E2</td>
<td>SAME CONSTRUCTION AS TYPE &quot;E1&quot; EXCEPT SINGLE HEAD.</td>
<td>LED 1050mA</td>
<td>208</td>
<td>414 208 GARDCO #P34-128L-1050-NW-G2-4-BLC-208-DD-IMRO-RPA-BK OR APPROVED EQUAL</td>
</tr>
<tr>
<td>E3</td>
<td>27&quot; DIA POLE TOP LED FIXTURE WITH TYPE 5 DISTRIBUTION, DIMMING DRIVER, AND INTEGRAL MOTION SENSOR</td>
<td>LED 350mA</td>
<td>120</td>
<td>55 208 VISIONAIRE LIGHTING #PRE-2L-T5-48LC-3-4K-UNV-BK-WSC-20-DIM OR APPROVED EQUAL</td>
</tr>
<tr>
<td>E4</td>
<td>IN-GRADE LED FLOOD LIGHTS WITH ASYMMETRICAL LIGHT DISTRIBUTION</td>
<td>LED 80 CRI</td>
<td>120</td>
<td>17 208 BEGA #77107 OR APPROVED EQUAL</td>
</tr>
<tr>
<td>E5</td>
<td>11-7/8&quot;W x 4-3/8&quot;H x 3-3/8&quot;D WALL MOUNTED LED FIXTURE</td>
<td>LED 4000K</td>
<td>120</td>
<td>15 208 BEGA #24374 OR APPROVED EQUAL</td>
</tr>
<tr>
<td>E6</td>
<td>13&quot; DIA x 6&quot;D SURFACE MOUNTED LED DOWNLIGHT. BLACK FINISH. PROVIDE INTEGRAL EMERGENCY BATTERY (MODEL LEL) WHERE INDICATED ON PLAN.</td>
<td>LED 10W</td>
<td>120</td>
<td>13 120 KENALL #MR13FFD-PP-MB-10L40K-120 OR APPROVED EQUAL</td>
</tr>
<tr>
<td>E7</td>
<td>LED HANDRAIL LIGHT WITH ASYMMETRIC DISTRIBUTION. PROVIDE LENGTH OF RAIL AS INDICATED ON PLAN.</td>
<td>LED 4000K</td>
<td>120</td>
<td>1.85 PER FOOT 120 WAGNER #LULS-40K-20-70-MS-X OR APPROVED EQUAL</td>
</tr>
<tr>
<td>E8</td>
<td>9-7/8&quot; x 9-7/8&quot; x 5-3/8&quot; RECESS MOUNTED LED LOW LEVEL FIXTURE. BLACK FINISH. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING LOCATION</td>
<td>LED 90 CRI</td>
<td>120</td>
<td>22 120 BEGA #22354 OR APPROVED EQUAL</td>
</tr>
<tr>
<td>L1</td>
<td>4-1/8&quot;W x 4-1/8&quot;H x 4'-0&quot; PENDENT MOUNTED LED LINEAR DOWNLIGHT FIXTURE WITH DIMMING DRIVER AND LENS. PROVIDE LENGTH OF FIXTURE AS INDICATED ON PLAN. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT AND PROVIDE LENGTH OF ADJUSTABLE AIRCRAFT CABLE AS REQUIRED. PROVIDE INTEGRAL EMERGENCY BATTERY (MODEL EM/10W) WHERE INDICATED ON PLAN. UL LISTED FOR DAMP LOCATION.</td>
<td>LED 80 CRI</td>
<td>120</td>
<td>31 120 H.E. WILLIAMS #LX4D-4-L8/835-S-A-ACF/48-DIM-120 OR APPROVED EQUAL</td>
</tr>
<tr>
<td>L2</td>
<td>SIMILAR TO FIXTURE TYPE &quot;L1&quot; EXCEPT SURFACE MOUNTED.</td>
<td>LED 80 CRI</td>
<td>120</td>
<td>31 120 H.E. WILLIAMS LX4S-4-L8/835-S-A-DIM-120 OR APPROVED EQUAL</td>
</tr>
<tr>
<td>L3</td>
<td>6&quot; DIA RECESS MOUNTED LED SHOWER LIGHT WITH LENS. UL LISTED FOR WET LOCATION UNDER COVER.</td>
<td>LED 80 CRI</td>
<td>120</td>
<td>39 120 H.E. WILLIAMS #LSL60-L40C/835-DPL-DRV-120 OR APPROVED EQUAL</td>
</tr>
<tr>
<td>L4</td>
<td>2'x2' RECESS MOUNTED LED FIXTURE WITH DIMMING DRIVER, ACRYLIC PATTERN LENS, AND EARTHQUAKE CLIPS.</td>
<td>LED 80 CRI</td>
<td>120</td>
<td>34 120 H.E. WILLIAMS #50G-S22-L43/835-S-AF12125-EQCLIPS-DIM-120 OR APPROVED EQUAL</td>
</tr>
</tbody>
</table>