



DESIGN: ABB
 DRAWN: NHD
 CHECKED: ABB
 APPROVED: ABB



REVISIONS:
 1 Permit Correction June 30, 2023

DPD:

PROJECT TITLE:
Sno-Valley Senior Housing

Carnation, WA 98014

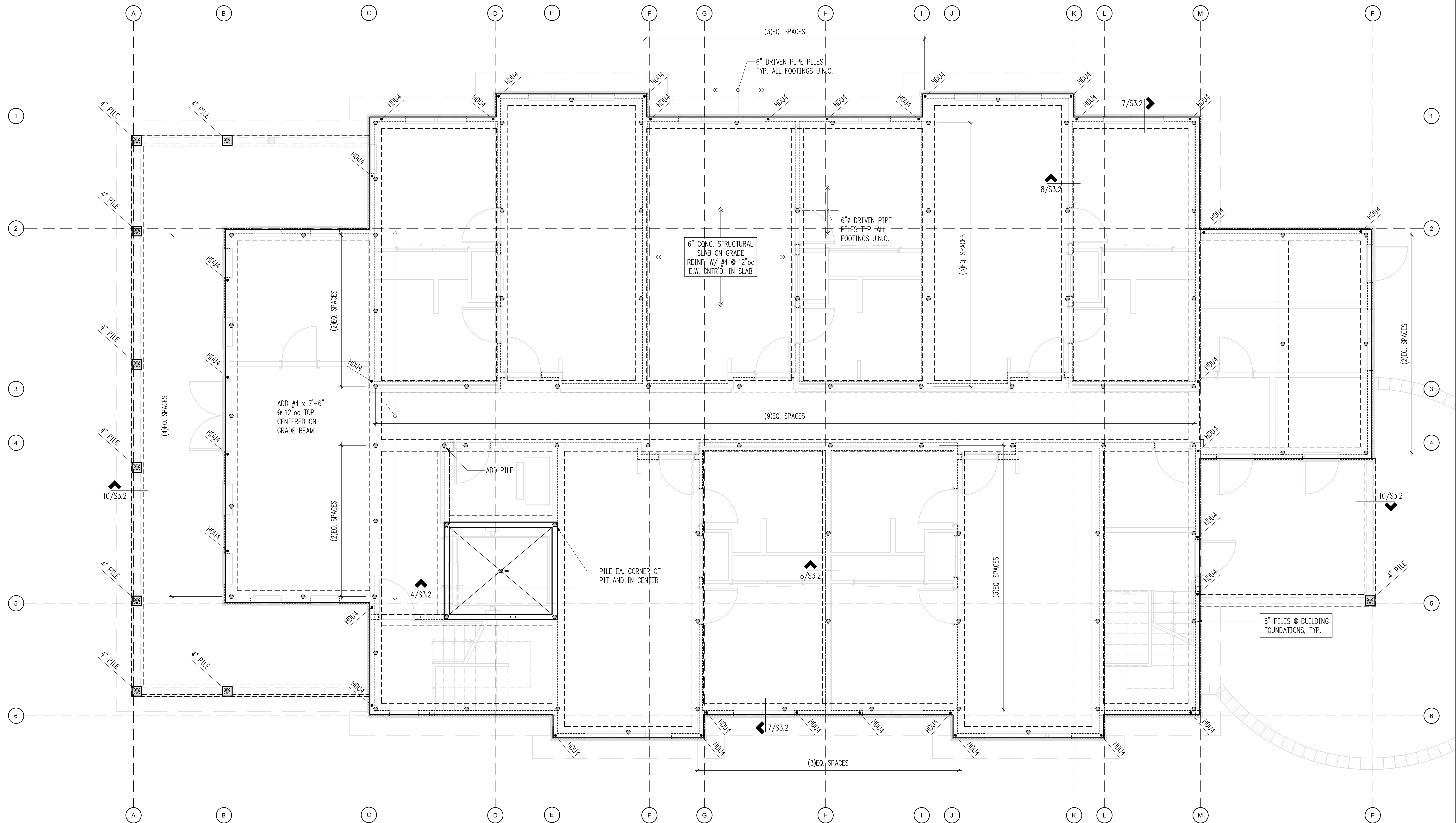
ARCHITECT:
 Environmental Works
 402 15th Avenue East
 Seattle, Washington 98112
 PH 206.329.8300
 FX 206.329.5494

ISSUE:
Permit

SHEET TITLE:
Foundation Plan

SCALE: 1/4" = 1'-0"
 DATE: May 22, 2023
 PROJECT NO: 00306-2022-02
 SHEET NO:

S2.1



Plan Notes

1. DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
2. TYPICAL STRUCTURAL SLAB ON GRADE SHALL BE 6" MIN REINFORCED WITH #4s AT 12"oc EACH WAY, CENTERED IN SLAB. PROVIDE 6 MIL VAPOR BARRIER ON 4" OF GRAVEL OR CRUSHED ROCK OVER FIRM UNDISTURBED SOIL OR ENGINEERED COMPACTED BACK-FILL IN ACCORDANCE WITH THE GEOTECHNICAL RECOMMENDATIONS.
3. PROVIDE CORNER BARS PER GENERAL STRUCTURAL NOTES AT ALL WALL AND FOOTING INTERSECTIONS.
4. PROVIDE EPOXY GROUTED #4 x 2'-6" DOWELS EMBEDDED A MINIMUM OF 5" IN TO EXISTING CONCRETE TO MATCH NEW HORIZONTAL REINFORCING. TYPICAL WHERE NEW CONCRETE WALL OR FOOTING TERMINATES AT EXISTING CONCRETE. EPOXY GROUT PER GENERAL STRUCTURAL NOTES.
5. GEOTECHNICAL EXPLORATIONS PERFORMED ENCOUNTERED COMPETENT NATIVE SOILS AT APPROXIMATELY 10 TO 15 FEET BELOW THE EXISTING GROUND SURFACE. PILES SHALL EXTEND A MINIMUM OF FIVE FEET INTO THE COMPETENT NATIVE SOILS, IN ADDITION TO MEETING THE REFUSAL CRITERION. PILES SHOULD BE SPACED A MINIMUM OF TWO FEET APART TO AVOID A GROUPING EFFECT ON THE PILES.
6. REFER TO GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

Legend

- STRUCTURAL WALL OR POST ABOVE
- STEM WALL & FOOTING
- HOLDDOWN PER
- 6" & 6" DRIVEN PIPE PILE

USE ONLY 6" PILES PER ENG CALCS PAGE 11

Foundation Plan

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





DESIGN: ABB
 DRAWN: NHD
 CHECKED: ABB
 APPROVED: ABB



REVISIONS:
 1 Permit Correction June 30, 2023

DPD:

PROJECT TITLE:
Sno-Valley Senior Housing

Carnation, WA 98014

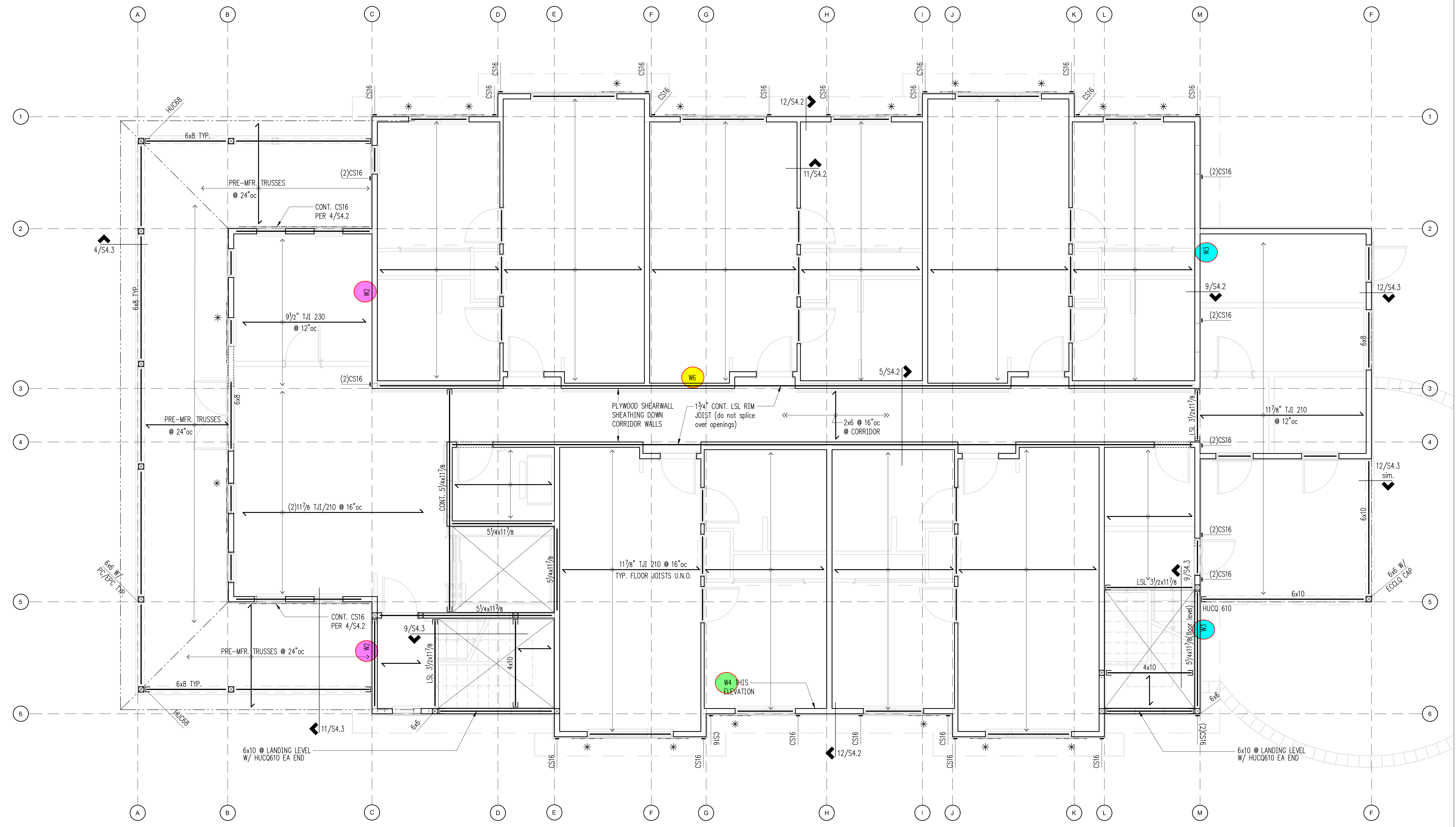
ARCHITECT:
Environmental Works
 402 15th Avenue East
 Seattle, Washington 98112
 PH 206.329.8300
 FX 206.329.5494

ISSUE:
Permit

SHEET TITLE:
Second Floor Framing Plan

SCALE: 1/4" = 1'-0" U.N.O.
 DATE: May 22, 2023
 PROJECT NO: 00306-2022-02
 SHEET NO:

S2.2



- Plan Notes**
- DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
 - FLOOR SHEATHING SHALL BE 3/4" A.P.A. RATED PANELS (EXPOSURE 1, SPAN RATING 48/24) FACE GRAIN PERPENDICULAR TO SUPPORTS OVER FLOOR FRAMING PER PLAN. NAIL SHEATHING AT ALL FRAMED PANEL EDGES WITH 8D AT 6" O.C. AND TO ALL INTERMEDIATE FRAMING AT 12" O.C.
 - HEADERS OVER DOOR AND WINDOW OPENINGS SHALL BE (2)2X8 UNO. PROVIDE (2) TRIMMER STUDS EACH END OF ALL HEADERS UNLESS NOTED OTHERWISE ON PLANS. SEE TYPICAL DETAIL FOR INSTALLATION.
 - PROVIDE (2) STUDS (MINIMUM) AT EACH END OF ALL BEAMS UNLESS NOTED OTHERWISE ON PLANS. BEAR BEAM FULLY ON BUILT UP COLUMN AND PROVIDE LCE, ACE, PCZ, OR LPCZ CAP TO FIT.
 - W # INDICATES SHEAR WALL. SEE SHEARWALL SCHEDULE FOR CONSTRUCTION REQUIREMENTS. ALL EXTERIOR WALLS SHALL BE W6, UNO.**

- (X)CS16 INDICATES VERTICAL HOLD-DOWN STRAP AT END OF SHEAR WALL ABOVE. (X) INDICATES STRAP QUANTITY. SEE DETAIL 2/S4.2 FOR INSTALLATION REQUIREMENTS.
- MANUFACTURED LUMBER PRODUCTS (LSL, LVL, PSL, CL) SHALL BE INSTALLED WITH A MOISTURE CONTENT OF 12% OR LESS. THE CONTRACTOR SHALL MAKE PROVISIONS DURING CONSTRUCTION TO PREVENT THE MOISTURE CONTENT OF INSTALLED BEAMS FROM EXCEEDING 12%.
- ALL POSTS ABOVE SHALL BEAR FULLY ON BEAMS OR POSTS BELOW AND SHALL HAVE CONTINUOUS VERTICAL GRAIN BLOCKING TO MATCH POST ABOVE FOR FULL BEARING THROUGH FLOORS TO THE FOUNDATION.
- SPLICE ALL TOP PLATE SPLICES PER GENERAL STRUCTURAL NOTES.
- REFER TO GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

Legend

	STRUCTURAL WALL OR POST BELOW		HOLD-DOWN STRAP PER CSxx
	NON-STRUCTURAL WALL BELOW		CS16 HORIZONTAL STRAP PER DETAIL 6/S4.2
	STRUCTURAL WALL OR POST ABOVE		
	SHEARWALL PER Wx		
	SPAN DIRECTION		
	EXTENT OF JOISTS		
	HEADER/BEAM PER PLAN		
	HANGER		

Second Floor Framing Plan
 Scale: 1/4" = 1'-0"



DESIGN: ABB
 DRAWN: NHD
 CHECKED: ABB
 APPROVED: ABB



REVISIONS:
 1 Permit Correction June 30, 2023

DPD:

PROJECT TITLE:
Sno-Valley Senior Housing

Carnation, WA 98014

ARCHITECT:
 Environmental Works
 402 15th Avenue East
 Seattle, Washington 98112
 PH 206.329.8300
 FX 206.329.5494

ISSUE:

Permit

SHEET TITLE:

Third Floor Framing Plan

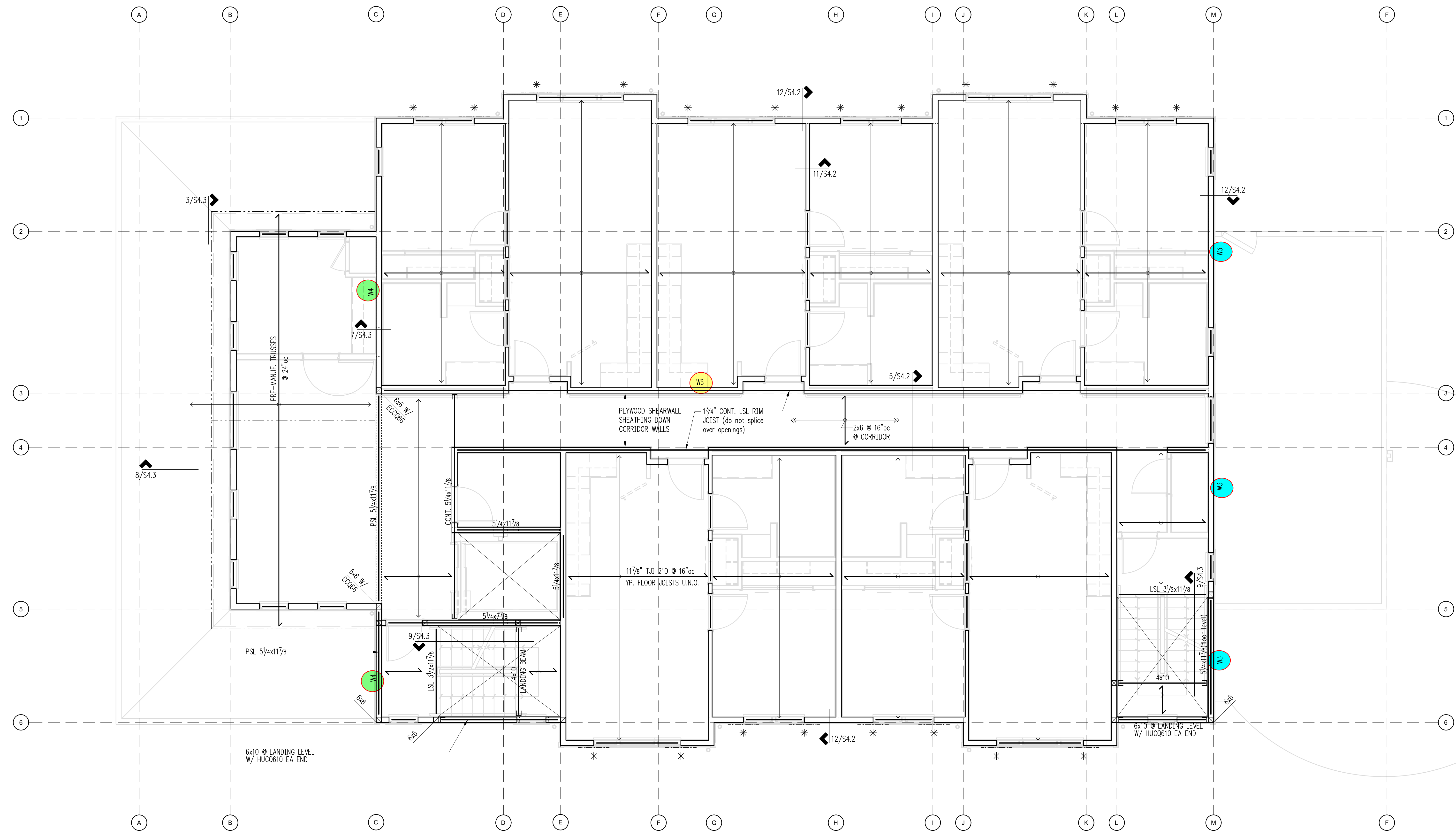
SCALE: 1/4" = 1'-0" U.N.O.

DATE: May 22, 2023

PROJECT NO: 00306-2022-02

SHEET NO:

S2.3



Plan Notes

- DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
- FLOOR SHEATHING SHALL BE 3/4" A.P.A. RATED PANELS (EXPOSURE 1, SPAN RATING 48/24) FACE GRAIN PERPENDICULAR TO SUPPORTS OVER FLOOR FRAMING PER PLAN. NAIL SHEATHING AT ALL FRAMED PANEL EDGES WITH 8D AT 6" O.C. AND TO ALL INTERMEDIATE FRAMING AT 12" O.C.
- HEADERS OVER DOOR AND WINDOW OPENINGS SHALL BE (2)2X8 UNO. PROVIDE (2) TRIMMER STUDS EACH END OF ALL HEADERS UNLESS NOTED OTHERWISE ON PLANS. SEE TYPICAL DETAIL FOR INSTALLATION.
- PROVIDE (2) STUDS (MINIMUM) AT EACH END OF ALL BEAMS UNLESS NOTED OTHERWISE ON PLANS. BEAR BEAM FULLY ON BUILT UP COLUMN AND PROVIDE LCE, ACE, PCZ, OR LPCZ CAP TO FIT.
- W # INDICATES SHEAR WALL. SEE SHEARWALL SCHEDULE FOR CONSTRUCTION REQUIREMENTS. ALL EXTERIOR WALLS SHALL BE W6, UNO.**
- (X)CS16 INDICATES VERTICAL HOLD-DOWN STRAP AT END OF SHEAR WALL ABOVE. (X) INDICATES STRAP QUANTITY. SEE DETAIL 2/S4.2 FOR INSTALLATION REQUIREMENTS.
- MANUFACTURED LUMBER PRODUCTS (LSL, LVL, PSL, CL) SHALL BE INSTALLED WITH A MOISTURE CONTENT OF 12% OR LESS. THE CONTRACTOR SHALL MAKE PROVISIONS DURING CONSTRUCTION TO PREVENT THE MOISTURE CONTENT OF INSTALLED BEAMS FROM EXCEEDING 12%.
- ALL POSTS ABOVE SHALL BEAR FULLY ON BEAMS OR POSTS BELOW AND SHALL HAVE CONTINUOUS VERTICAL GRAIN BLOCKING TO MATCH POST ABOVE FOR FULL BEARING THROUGH FLOORS TO THE FOUNDATION.
- SPLICE ALL TOP PLATE SPLICES PER GENERAL STRUCTURAL NOTES.
- REFER TO GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

Legend

- STRUCTURAL WALL OR POST BELOW
- NON-STRUCTURAL WALL BELOW
- STRUCTURAL WALL OR POST ABOVE
- SHEARWALL PER
- SPAN DIRECTION
- EXTENT OF JOISTS
- HEADER/BEAM PER PLAN
- HANGER

Shearwall Schedule

Mark	Sheathing	Reinforcing	Top Plate Connection	Base Plate Connection
W6	1 1/2" OSB	4#4 @ 16"	ASD @ 24"	ASD @ 24"
W6	1 1/2" OSB	4#4 @ 16"	ASD @ 24"	ASD @ 24"
W6	1 1/2" OSB	4#4 @ 16"	ASD @ 24"	ASD @ 24"
W6	1 1/2" OSB	4#4 @ 16"	ASD @ 24"	ASD @ 24"
W6	1 1/2" OSB	4#4 @ 16"	ASD @ 24"	ASD @ 24"

CSxx HOLDOWN STRAP PER 8/S4.2



DESIGN: ABB
 DRAWN: NHD
 CHECKED: ABB
 APPROVED: ABB



REVISIONS:
 1 Permit Correction June 30, 2023

DPD:

PROJECT TITLE:
Sno-Valley Senior Housing

Carnation, WA 98014

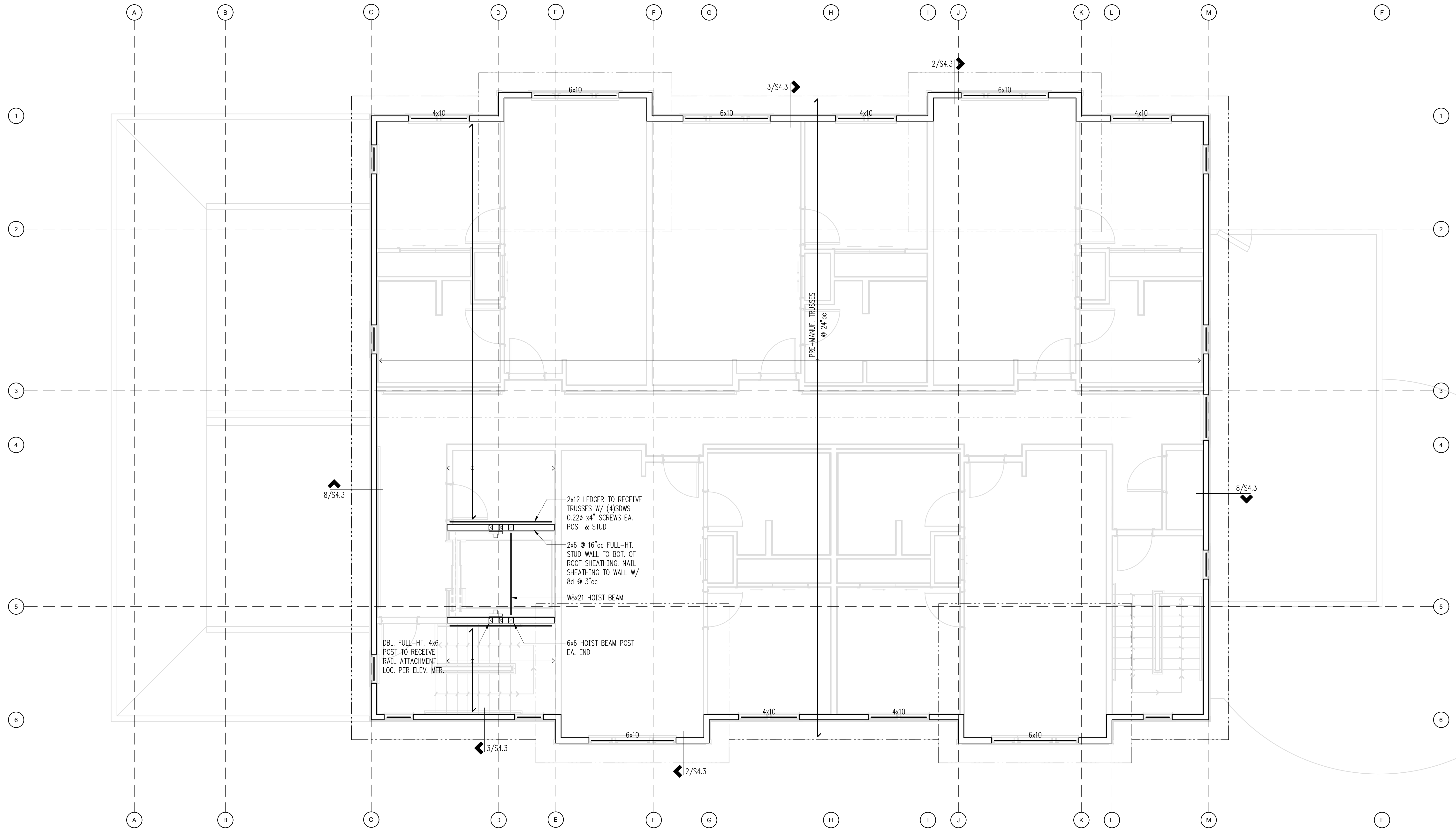
ARCHITECT:
 Environmental Works
 402 15th Avenue East
 Seattle, Washington 98112
 PH 206.329.8300
 FX 206.329.5494

ISSUE:
Permit

SHEET TITLE:
Roof Framing Plan

SCALE: 1/4" = 1'-0" U.N.O.
 DATE: May 22, 2023
 PROJECT NO: 00306-2022-02
 SHEET NO:

S2.4



Plan Notes

- DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
- ROOF SHEATHING SHALL BE 1/2" A.P.A. RATED PANELS (EXPOSURE 1, SPAN RATING 32/16), FACE GRAIN PERPENDICULAR TO SUPPORTS OVER ROOF FRAMING PER PLAN. NAIL SHEATHING AT ALL FRAMED PANEL EDGES WITH 8D AT 6" O.C. AND TO ALL INTERMEDIATE FRAMING AT 12" O.C.
- ROOF FRAMING SHALL BE PREFABRICATED ROOF TRUSSES AT 24" O.C. TRUSS DESIGN TO BE PROVIDED BY OTHERS. SEE STRUCTURAL NOTES FOR DESIGN REQUIREMENTS.
- HEADERS OVER DOOR AND WINDOW OPENINGS SHALL BE (2)2X8 UNO. PROVIDE (2) TRIMMER STUDS EA END OF ALL HEADERS UNLESS NOTED OTHERWISE ON PLANS. SEE TYPICAL DETAIL FOR INSTALLATION.
- PROVIDE (2) STUDS (MINIMUM) AT EACH END OF ALL BEAMS UNLESS NOTED OTHERWISE ON PLANS. BEAR BEAM FULLY ON BUILT UP COLUMN AND PROVIDE LCE, ACE, PCZ, OR LPCZ CAP TO FIT.
- W # INDICATES SHEAR WALL. SEE SHEARWALL SCHEDULE FOR CONSTRUCTION REQUIREMENTS. ALL EXTERIOR WALLS SHALL BE W6, UNO.
- PROVIDE H1 HURRICANE TIE AT EACH TRUSS/RAFTER WHERE IT BEARS ON EXTERIOR WALL OR BEAM.
- MANUFACTURED LUMBER PRODUCTS (LSL, LVL, PSL, GL) SHALL BE INSTALLED WITH A MOISTURE CONTENT OF 12% OR LESS. THE CONTRACTOR SHALL MAKE PROVISIONS DURING CONSTRUCTION TO PREVENT THE MOISTURE CONTENT OF INSTALLED BEAMS FROM EXCEEDING 12%.
- SPLICE ALL TOP PLATE SPLICES PER GENERAL STRUCTURAL NOTES.
- REFER TO GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

Legend

- STRUCTURAL WALL OR POST BELOW
- NON-STRUCTURAL WALL BELOW
- SHEARWALL PER
- SPAN DIRECTION
- EXTENT OF JOISTS
- HEADER/BEAM PER PLAN
- HANGER

Roof Framing Plan

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





DESIGN: ABB
 DRAWN: NHD
 CHECKED: ABB
 APPROVED: ABB



REVISIONS:
 1 Permit Correction June 30, 2023

DPD:

PROJECT TITLE:
Sno-Valley Senior Housing

Carnation, WA 98014

ARCHITECT:
 Environmental Works
 402 15th Avenue East
 Seattle, Washington 98112
 PH 206.329.8300
 FX 206.329.5494

ISSUE:
Permit

SHEET TITLE:
Typical Concrete Details

SCALE: 3/4" = 1'-0" U.N.O.

DATE: May 22, 2023

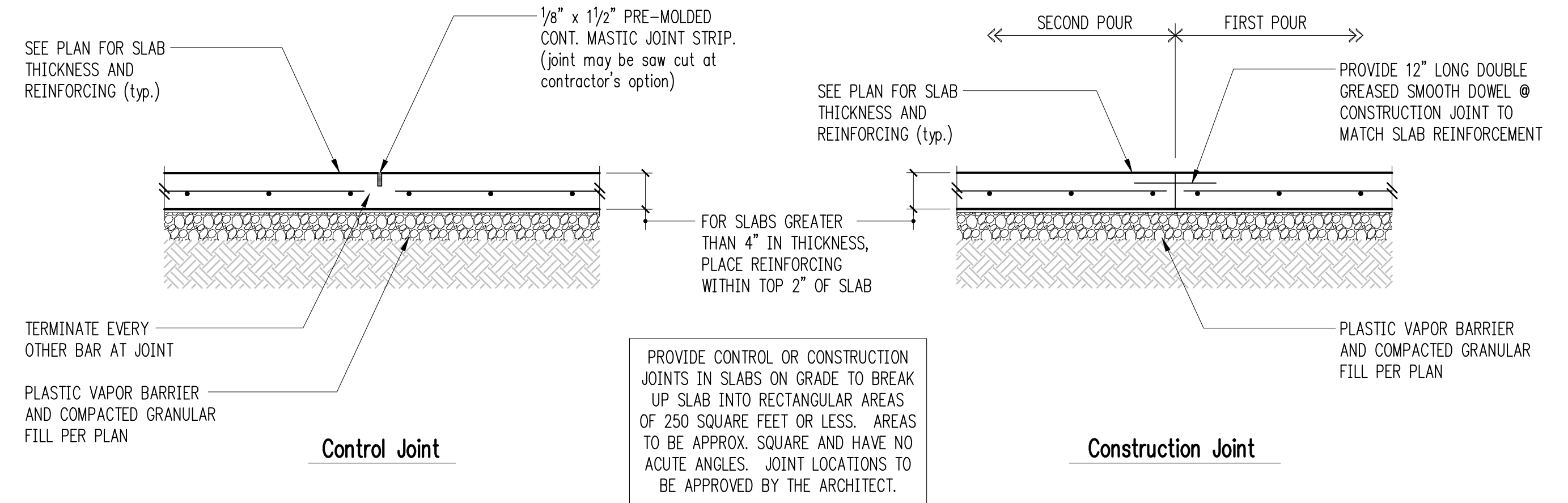
PROJECT NO: 00306-2022-02

SHEET NO:

S3.1

1

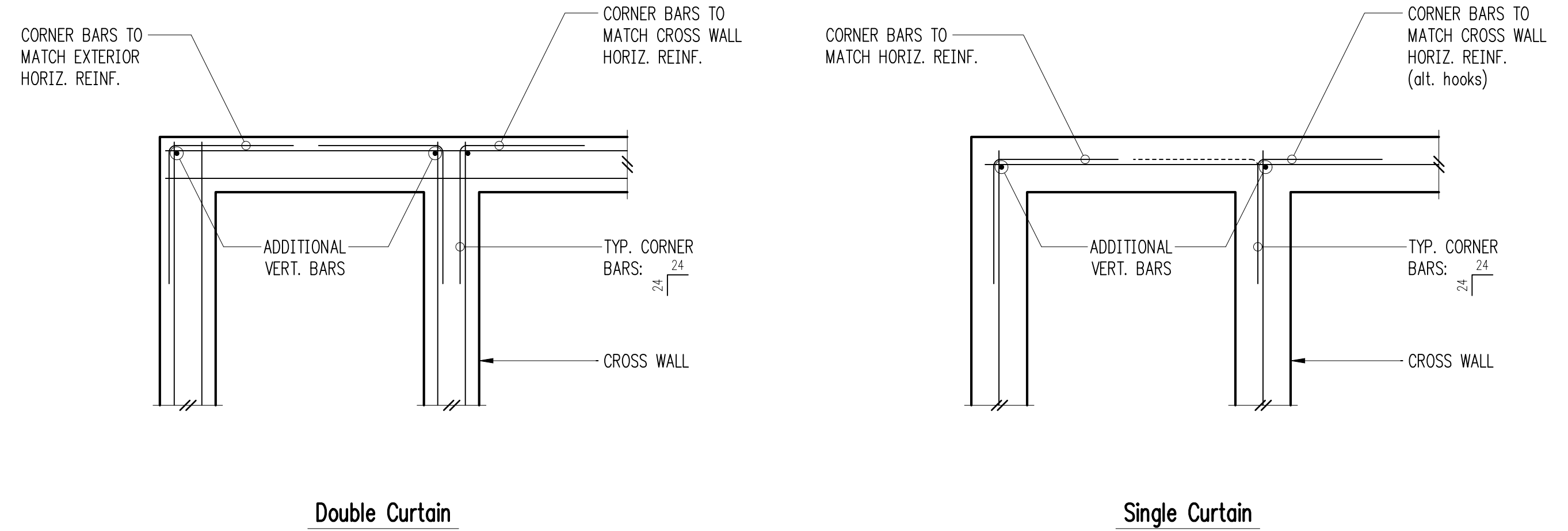
2



Typical Slab Joints 4

5

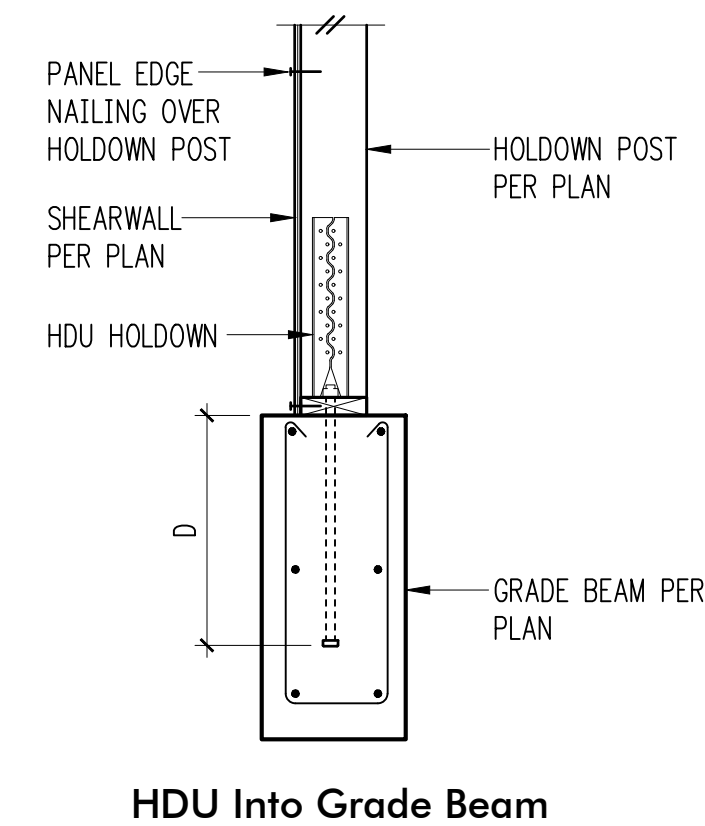
6



Typical Corner Bars at Concrete Walls and Footings 8

9

10



Holddown Schedule

Plan Mark	Screws	Anchor Bolt	Min. A.B. Embed (D)		Holddown Post ①	
			Grade Beam		if 2x4	if 2x6
HDU2-SDS2.5	(6)SDS 1/4"x2 1/2"	5/8"Ø	12"		(2) 2x4	(2) 2x6
HDU4-SDS2.5	(10)SDS 1/4"x2 1/2"	5/8"Ø	18"		4x4	4x6
HDU5-SDS2.5	(14)SDS 1/4"x2 1/2"	5/8"Ø	SB 9/8x24		4x4	4x6

① MINIMUM SIZE OF POST AT END OF WALL UNLESS OTHERWISE NOTED ON FRAMING PLANS.

Typical HDU Holddown 12



DESIGN: ABB
 DRAWN: NHD
 CHECKED: ABB
 APPROVED: ABB



REVISIONS:
 1 Permit Correction June 30, 2023

DPD:

PROJECT TITLE:
Sno-Valley Senior Housing

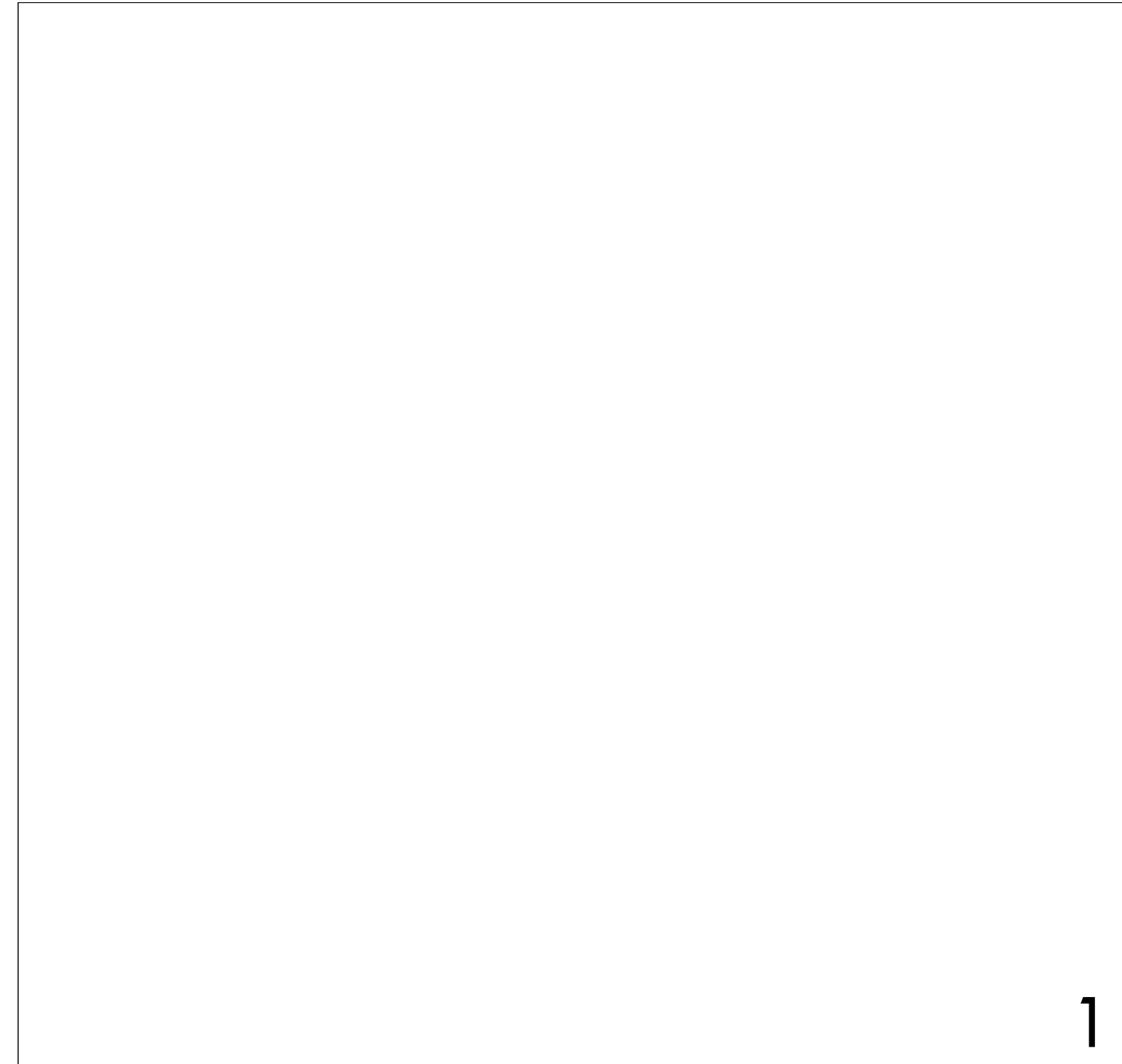
Carnation, WA 98014

ARCHITECT:
 Environmental Works
 402 15th Avenue East
 Seattle, Washington 98112
 PH 206.329.8300
 FX 206.329.5494

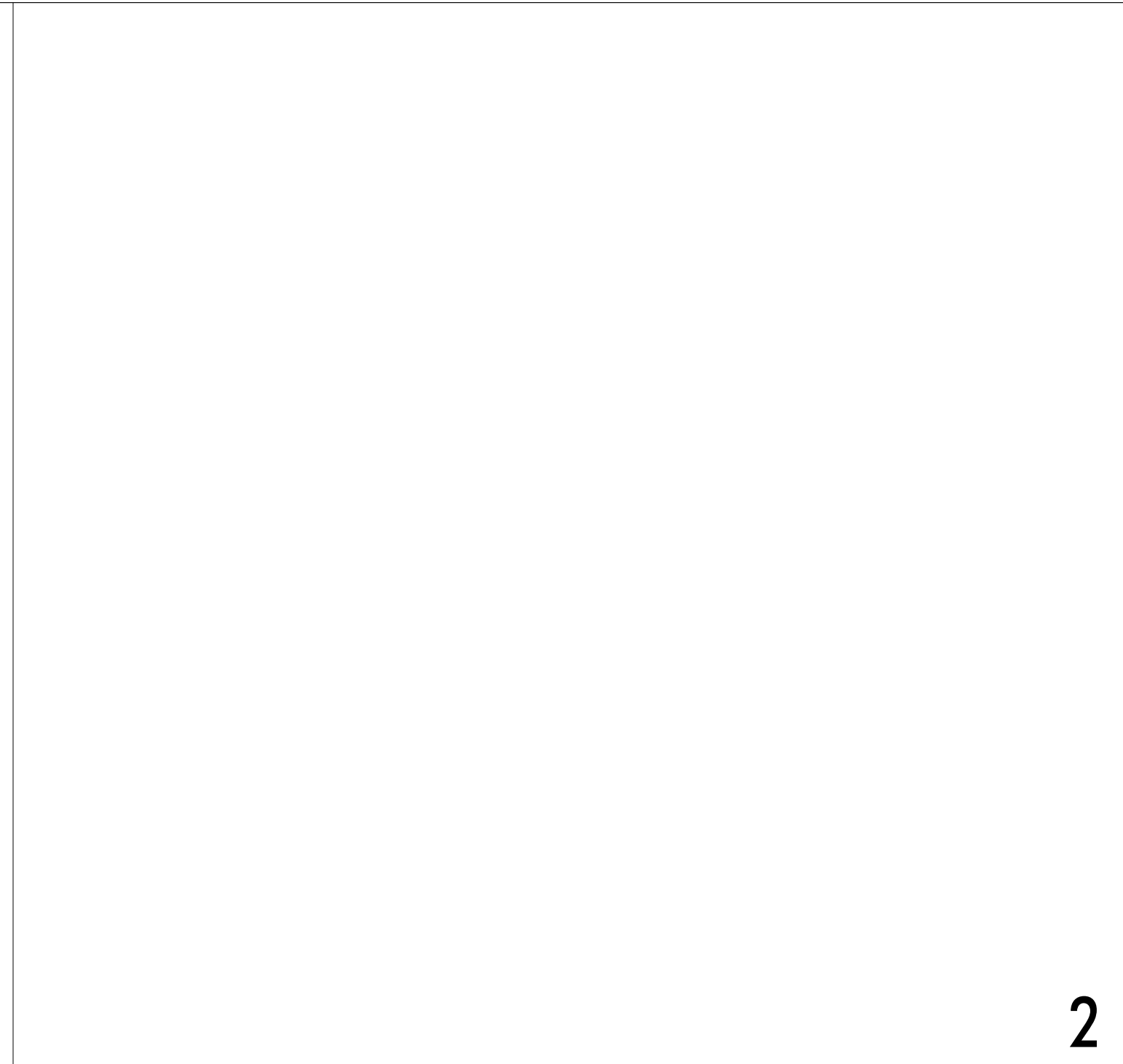
ISSUE:
Permit

SHEET TITLE:
Foundation Details

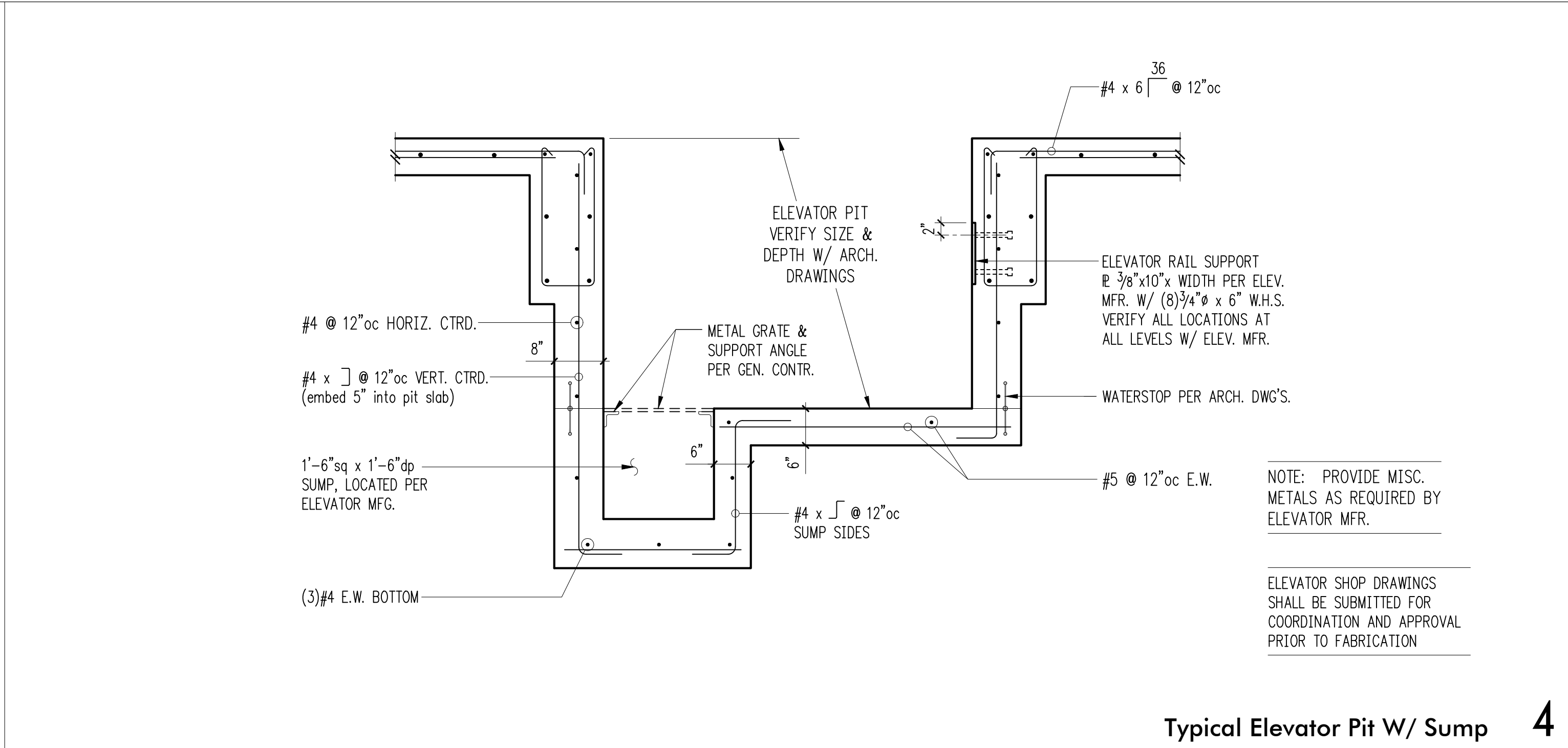
SCALE: 3/4" = 1'-0" U.N.O.
 DATE: May 22, 2023
 PROJECT NO: 00306-2022-02
 SHEET NO:



1



2

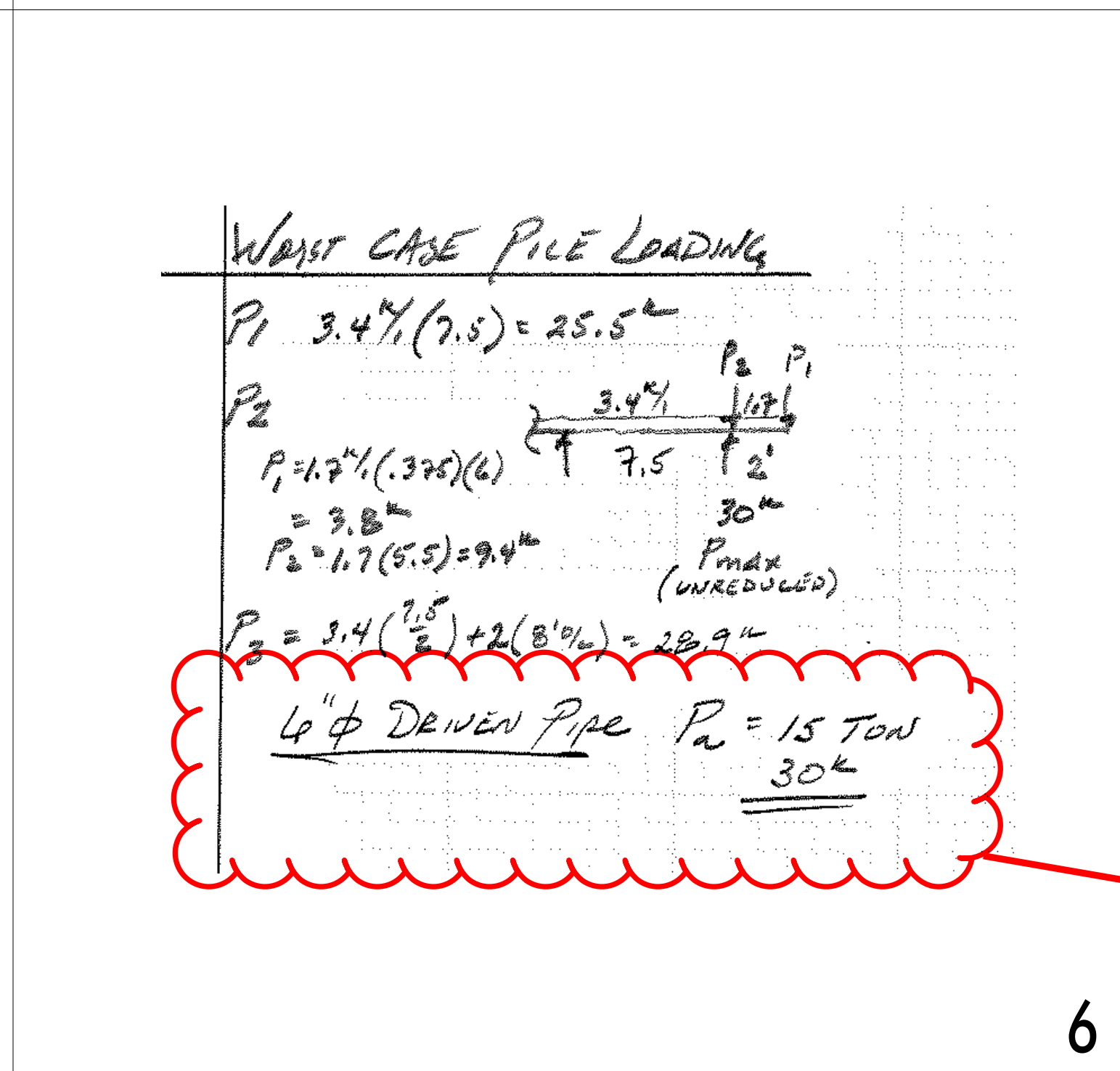


Typical Elevator Pit W/ Sump

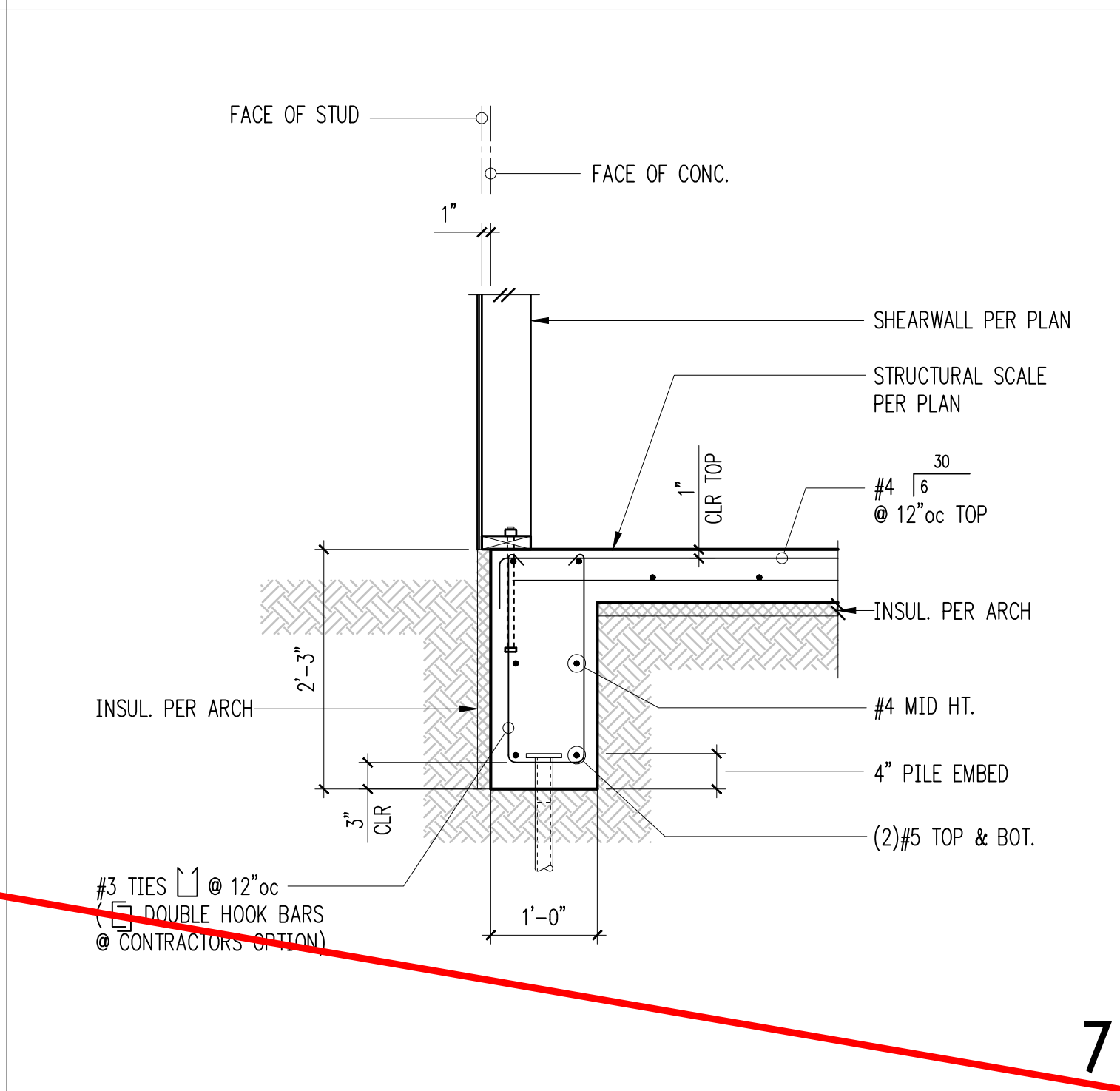
4



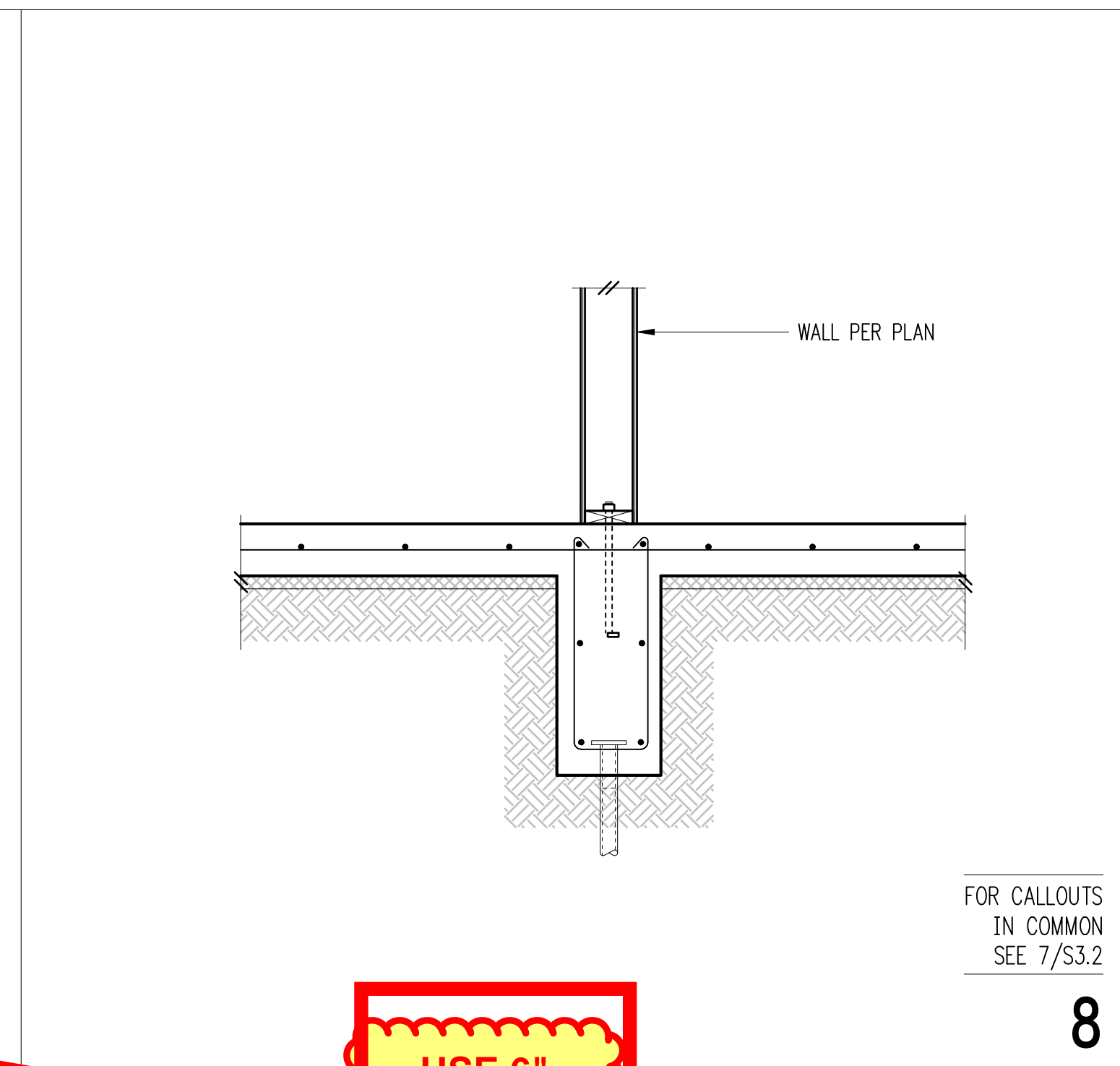
5



6

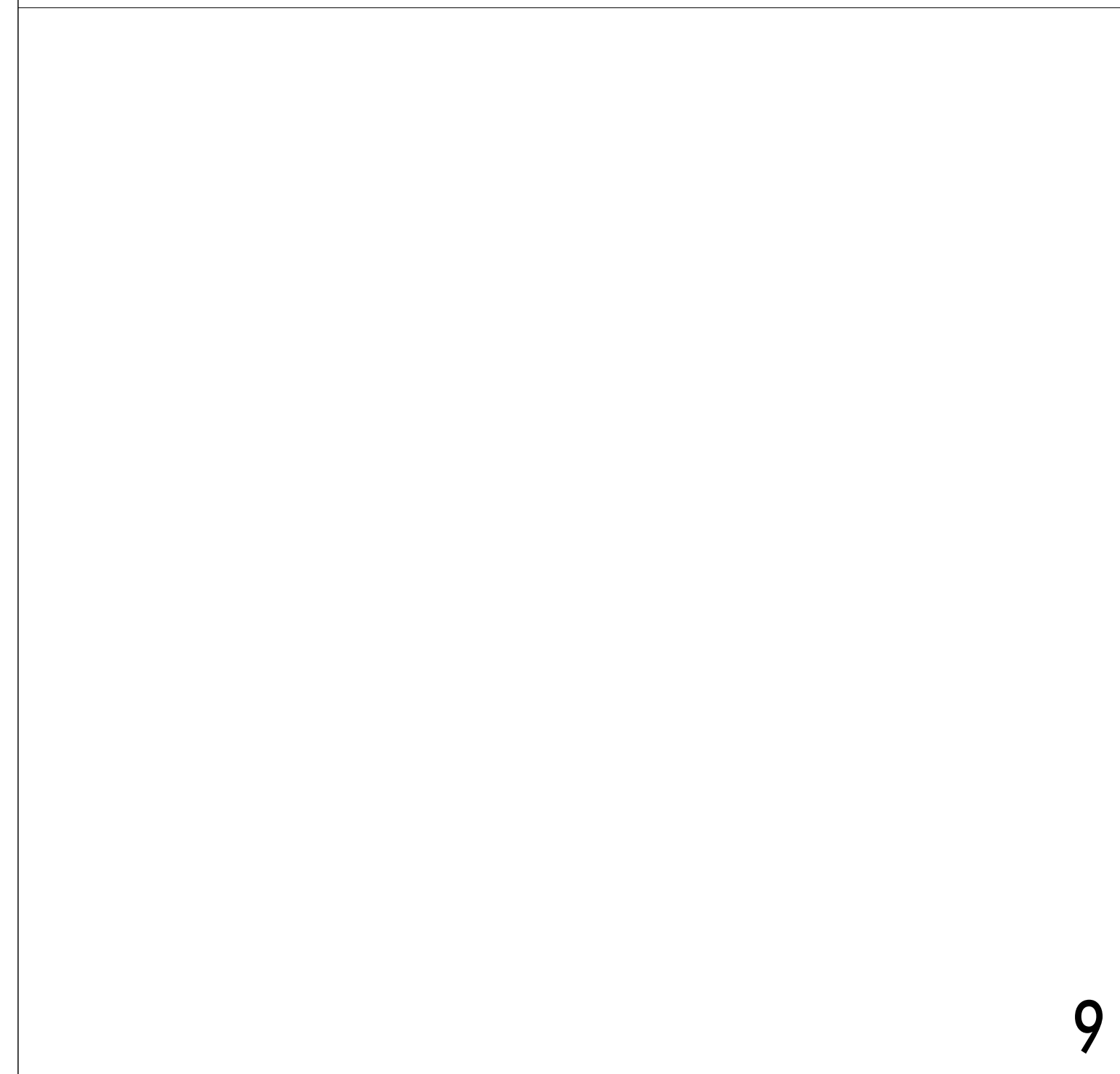


7

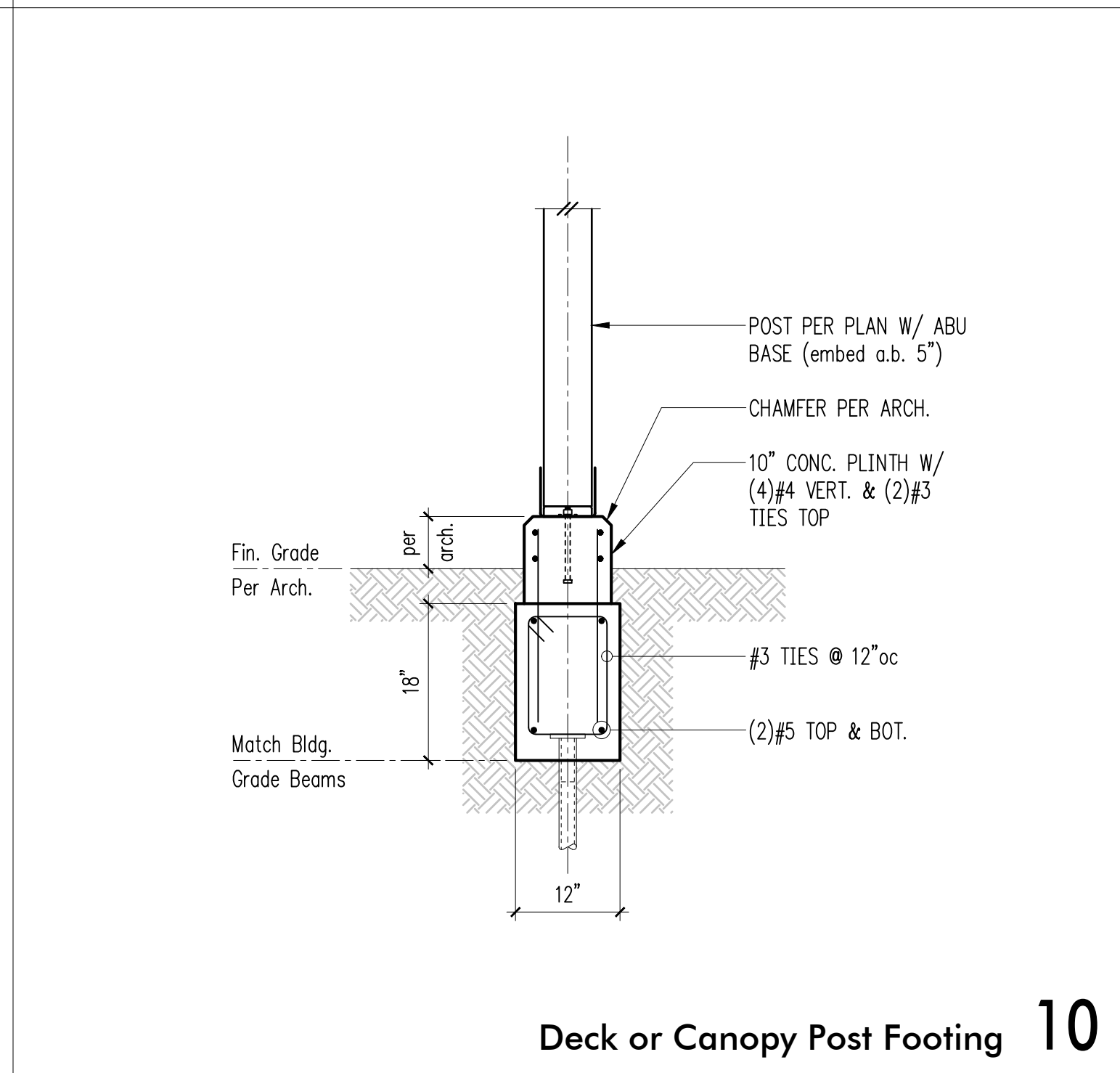


FOR CALLOUTS IN COMMON SEE 7/S3.2

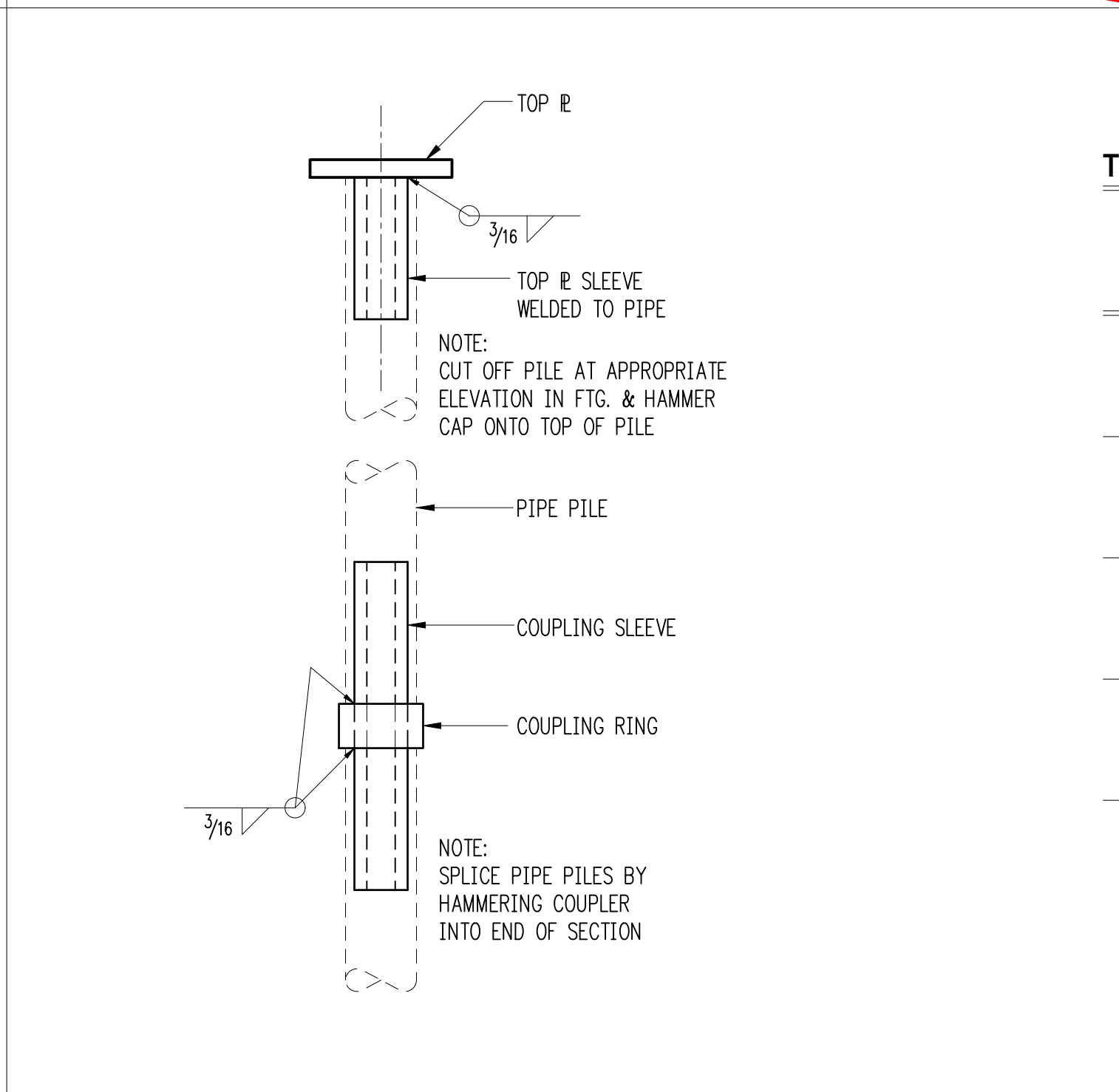
8



9



10



Typical Pipe Pile Assembly

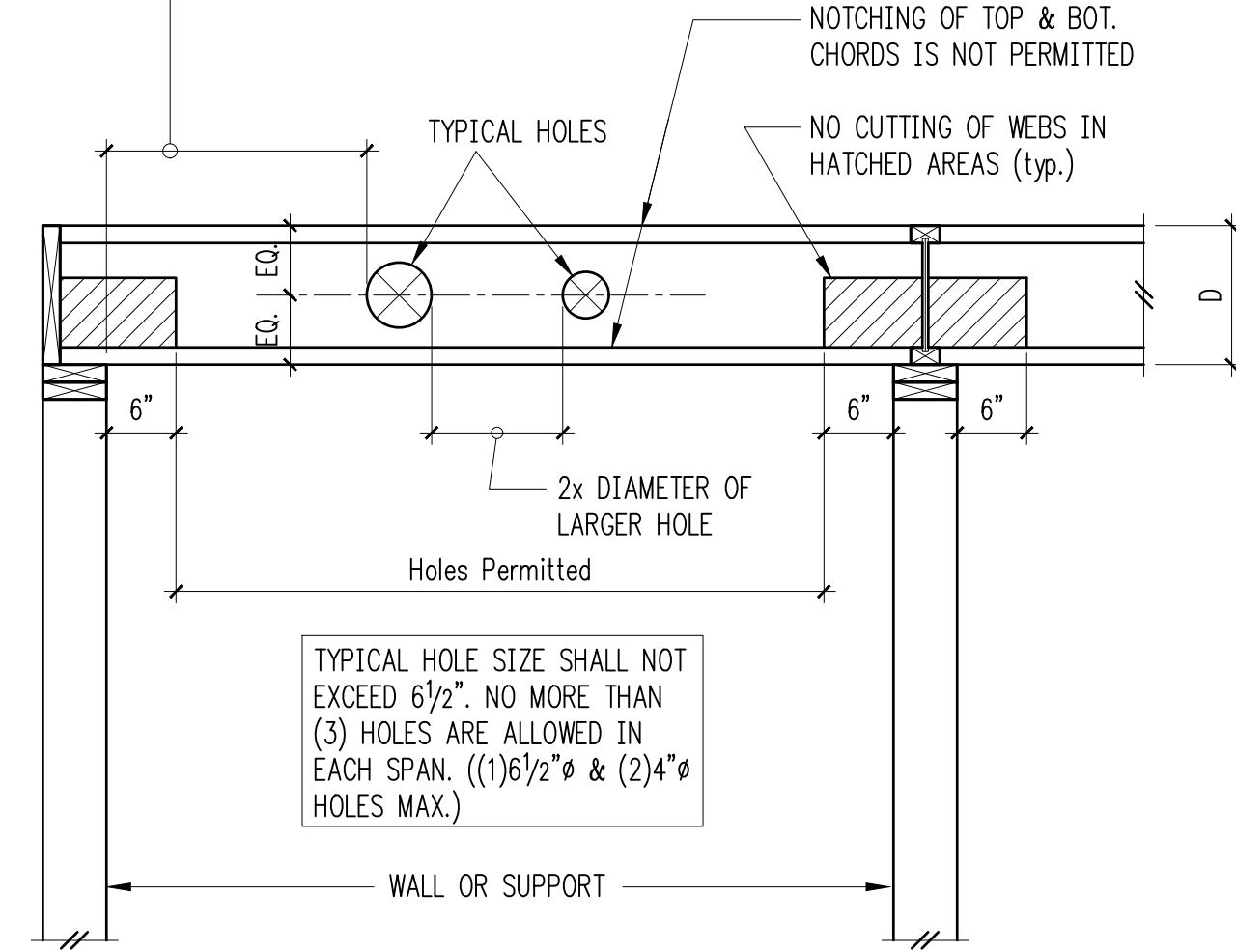
USE 6" PER CALCS

Typical Pipe Pile Assembly Schedule

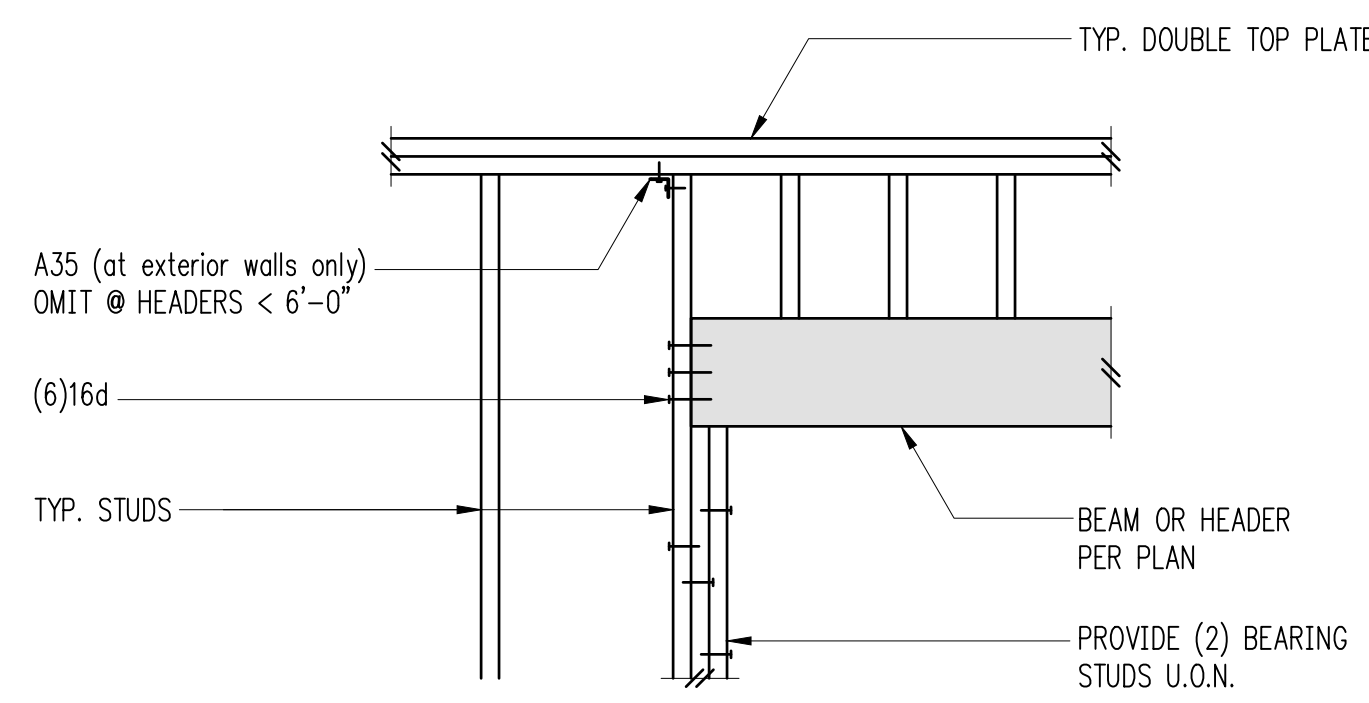
3" = 1'-0"

12

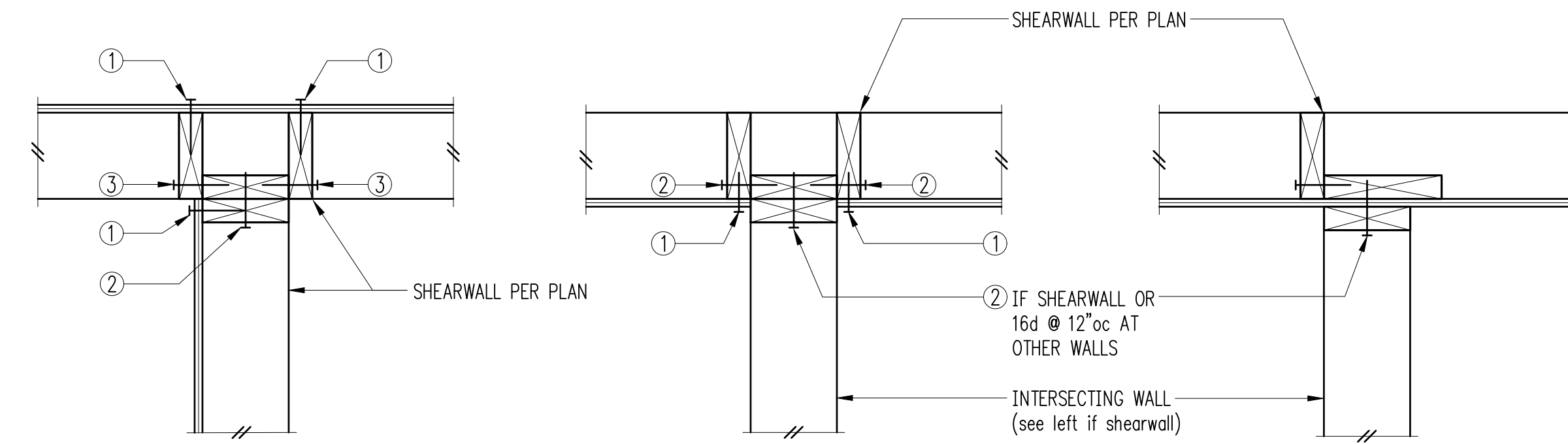
HOLE SIZE	2"	3"	4"	6 1/2"
MIN. DISTANCE	1'-0"	2'-0"	3'-0"	5'-6"



Allowable Cutting in Web Joist Members 1

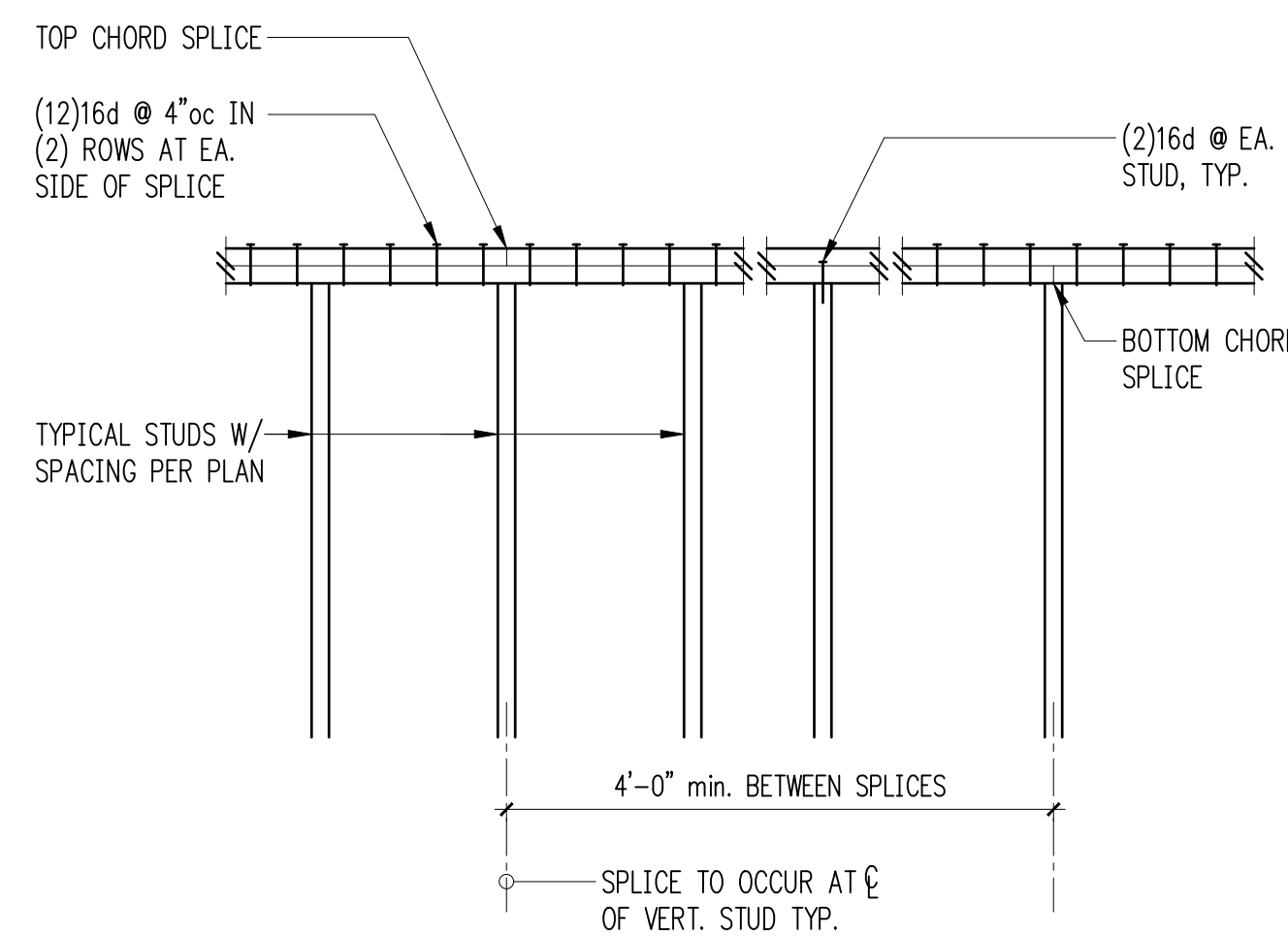


Typical Header Support w/2 Bearing Studs 2

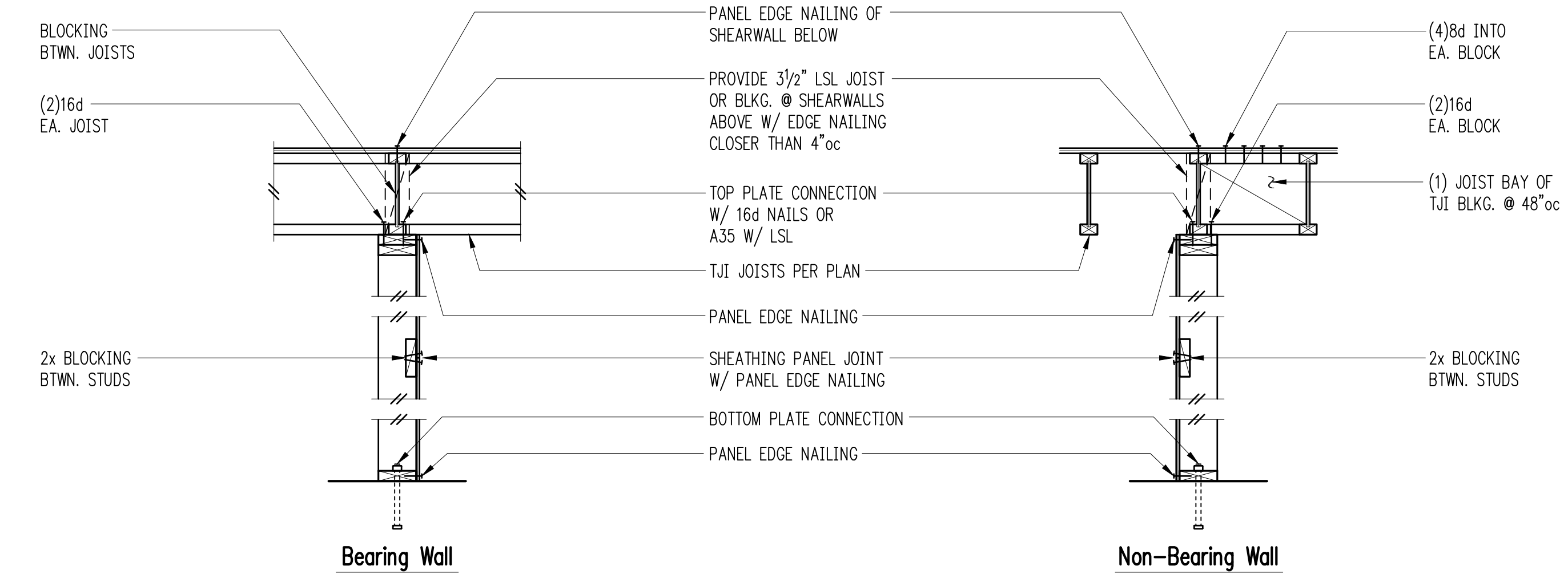


- ① PLYWOOD PANEL EDGE NAILING PER SHEARWALL SCHEDULE
- ② BASE PLATE NAILING PER SHEARWALL SCHEDULE
- ③ 16d @ 8"oc

Typical Shearwall Intersections 4



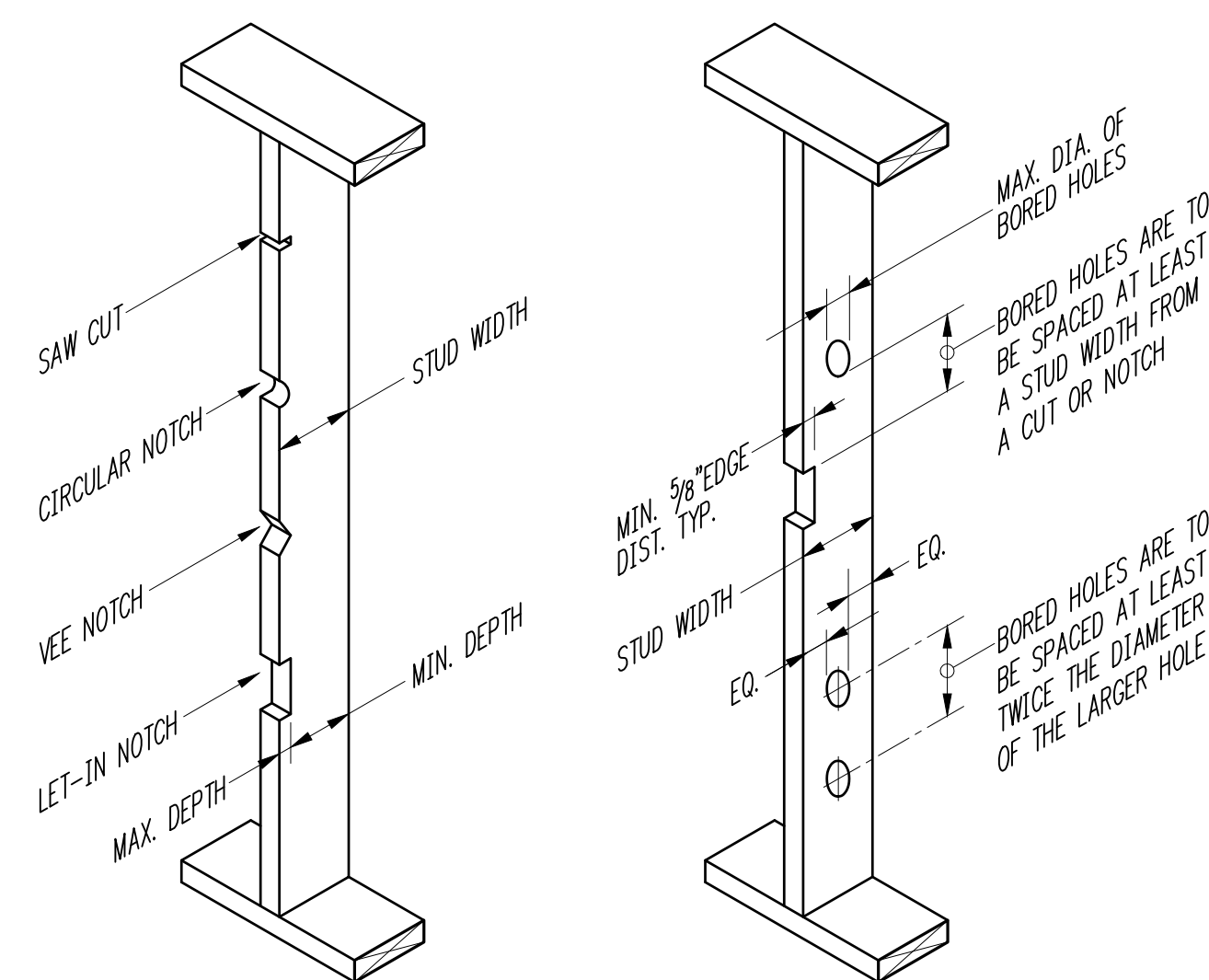
Typical Top Plate Splice 5



USE MIN 1/2" CDX PLYWOOD PER PAGE 8 OF STRUCTURAL CALCULATIONS

NOTE: SEE SHEARWALL SCHEDULE FOR ALL NAILING AND CONNECTIONS, NOT OTHERWISE NOTED

Typical Shearwall Construction 8



BEARING WALL STUDS			BEARING WALL STUDS		
STUD SIZE	MAX DEPTH OF EDGE CUT OR NOTCH	MIN DEPTH REMAINING AFTER CUT OR NOTCH	STUD SIZE	MAX DIAMETER OF BORED HOLE	MIN DEPTH REMAINING AFTER BORED HOLE
2x4	7/8"	2 5/8"	2x4	1 3/8"	5/8" EA SIDE OF HOLE
2x6	1 1/8"	4 1/8"	2x6	2 1/16"	5/8" EA SIDE OF HOLE
2x8	1 3/4"	5 1/2"	2x8	2 7/8"	5/8" EA SIDE OF HOLE

NOTE: STUDS MAY NOT BE BORED IN EXCESS OF 40% OF THE STUD, IF STUDS ARE DOUBLED, BORINGS MAY BE INCREASED TO 60% OF STUD WIDTH PROVIDED NOT MORE THAN (2) SUCCESSIVE STUDS ARE BORED. BORINGS SHALL NOT BE MADE AT THE SAME SECTION WHERE CUT OR NOTCH HAS BEEN MADE.

NON-BEARING WALL STUDS			NON-BEARING WALL STUDS		
STUD SIZE	MAX DEPTH OF EDGE CUT OR NOTCH	MIN DEPTH REMAINING AFTER CUT OR NOTCH	STUD SIZE	MAX DIAMETER OF BORED HOLE	MIN DEPTH REMAINING AFTER BORED HOLE
2x4	1 3/8"	2 7/8"	2x4	2 1/16"	5/8" EA SIDE OF HOLE
2x6	2 1/16"	3 3/8"	2x6	3 3/4"	5/8" EA SIDE OF HOLE
2x8	2 7/8"	4 3/8"	2x8	4 1/4"	5/8" EA SIDE OF HOLE

NOTE: STUDS MAY NOT BE BORED IN EXCESS OF 60% OF THE STUD. BORINGS SHALL NOT BE MADE AT THE SAME SECTION WHERE CUT OR NOTCH HAS BEEN MADE.

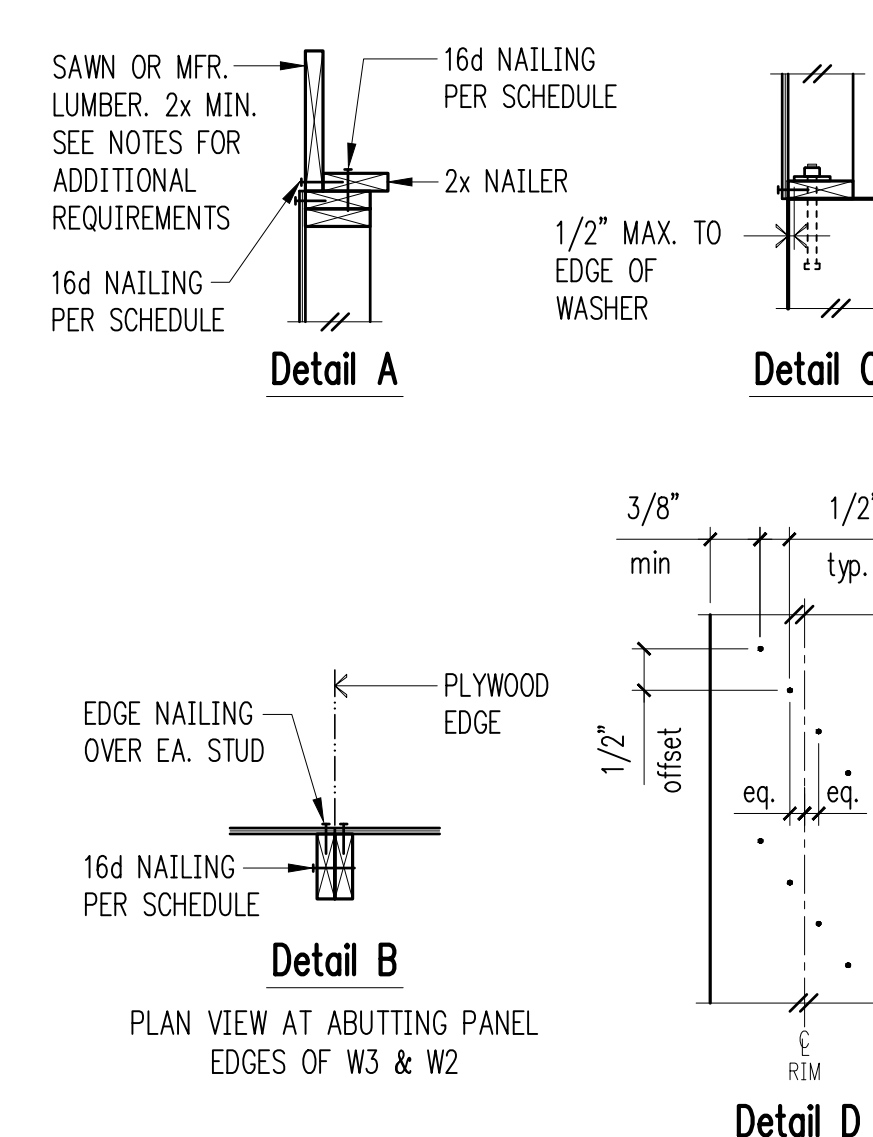
CUTTING AND NOTCHING WOOD STUDS

NOTE: DO NOT NOTCH MORE THAN THREE ADJACENT STUDS WITHOUT REVIEW BY ENGINEER.

BORED HOLES IN WOOD STUDS

NOTE: BORED HOLE NOT PERMITTED IN MORE THAN THREE ADJACENT STUDS WITHOUT REVIEW BY ENGINEER.

Typical Holes and Notches in Wood Studs 10



Shearwall Schedule

Mark	Sheathing	Panel Edge Nailing	Top Plate Connection		Base Plate Connection	
			if TJI	if Wood	at Wood	at Concrete
W6	15/32" CDX PLYWOOD	8d @ 6"oc	16d @ 6"oc	A35 @ 24"oc	16d @ 6"oc	5/8" A.B. @ 48"oc
W4	15/32" CDX PLYWOOD	8d @ 4"oc	16d @ 4"oc	A35 @ 16"oc	(2)rows 16d @ 6"oc	5/8" A.B. @ 32"oc
W3	15/32" CDX PLYWOOD	8d @ 3"oc	(2)rows 16d @ 4"oc	A35 @ 12"oc	(2)rows 16d @ 6"oc	5/8" A.B. @ 24"oc
W2	15/32" CDX PLYWOOD	8d @ 2"oc	(2)rows 16d @ 4"oc	A35 @ 9"oc	(2)rows 16d @ 4"oc	5/8" A.B. @ 16"oc

- ① BLOCK PANEL EDGES WITH 3x MIN LAID FLAT AND NAIL PANELS TO INTERMEDIATE SUPPORTS WITH 8d @ 12"oc.
- ② 8d NAILS SHALL BE 0.131" x 2 1/2" (common) - 16d NAILS SHALL BE 0.135" x 3 1/2" (box)
- ③ EMBED ANCHOR BOLTS AT LEAST 7". DRILLED AND EPOXIED THREADED ROD MAY BE SUBSTITUTED FOR ANCHOR BOLTS WITH 6" EMBEDMENT. TITEN HD SCREW ANCHORS MAY BE SUBSTITUTED FOR ANCHOR BOLTS W/ 4" EMBEDMENT. ALL BOLTS SHALL HAVE 3" x 3" x 1/4" MIN. PLATE WASHERS. PLATE WASHERS SHALL EXTEND TO WITHIN 1/2" OF THE EDGE OF THE BOTTOM PLATE ON THE SIDE WITH SHEATHING. SEE DETAIL C.
- ④ 3x STUDS OR DOUBLE STUDS NAILED TOGETHER W/ BASE PLATE NAILING ARE REQUIRED AT ABUTTING PANEL EDGES OF W3 AND W2. SEE DETAIL B. WHERE 3x STUDS ARE USED FOR W2, STAGGER NAILS AT ADJOINING PANEL EDGES.
- ⑤ TWO STUDS MINIMUM ARE REQUIRED AT EACH END OF ALL SHEARWALLS AND ALL END STUDS SHALL RECEIVE PANEL EDGE NAILING. SEE PLANS AND HOLDOWN SCHEDULE FOR ALTERNATE REQUIREMENTS.
- ⑥ ALL EXTERIOR WALLS SHALL BE W6, UNLESS NOTED OTHERWISE.
- ⑦ 7/16" O.S.B. MAY BE SUBSTITUTED FOR 15/32" CDX.
- ⑧ LTP4's (HORIZONTAL ORIENTATION) W/ 8d COMMON MAY BE SUBSTITUTED FOR A35's AT CONTRACTORS OPTION.
- ⑨ A 2x NAILER ATTACHED W/ BASE PLATE NAILING PER DETAIL A MAY BE SUBSTITUTED FOR A35's AT CONTRACTORS OPTION.
- ⑩ AT MULTI-ROW NAILING, MINIMUM OFFSET BETWEEN ROWS AND ROW SPACING 1/2", SEE DETAIL D.
- ⑪ PROVIDE (3) ROWS 16d @ 6"oc AT LVL RIMS.

Shearwall Schedule 12



DESIGN: ABB
DRAWN: NHD
CHECKED: ABB
APPROVED: ABB



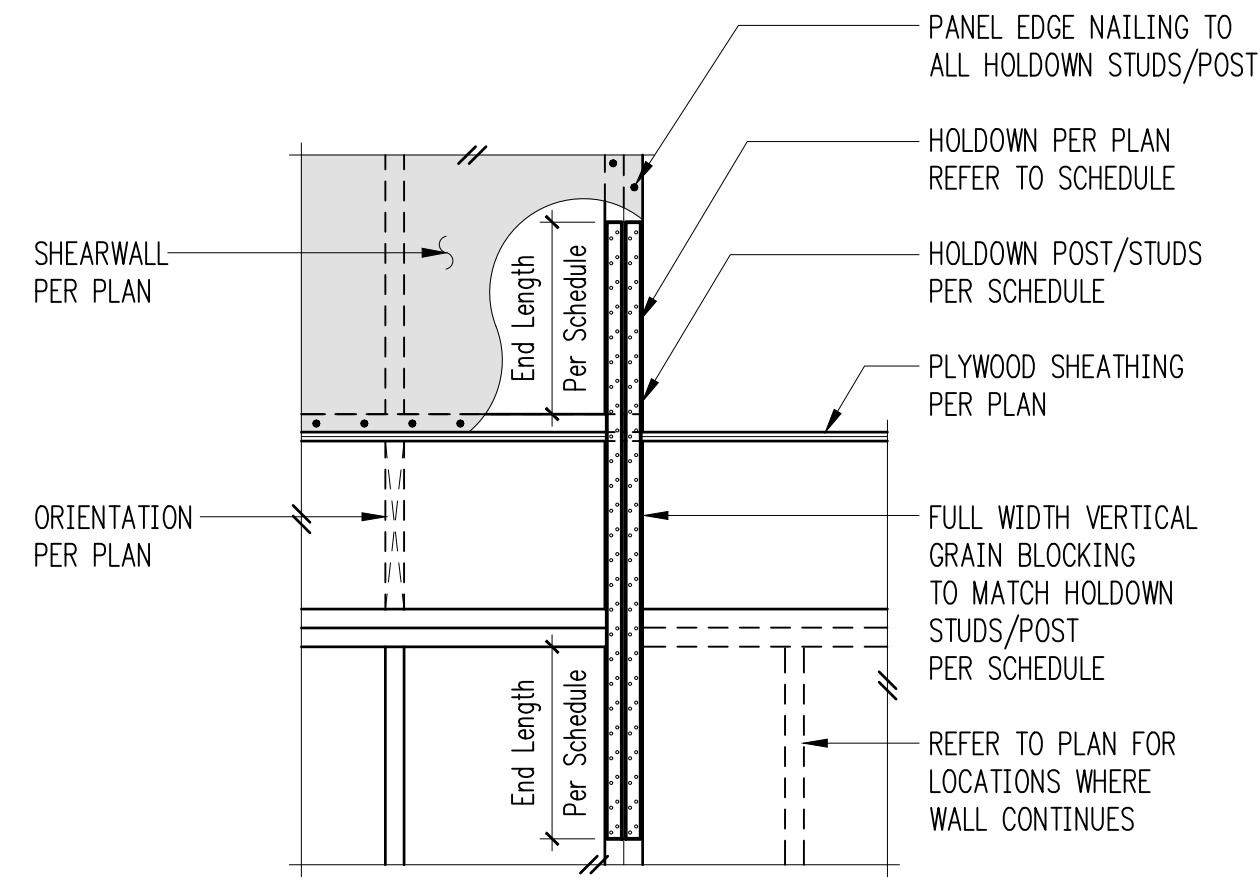
REVISIONS:
1 Permit Correction June 30, 2023

PROJECT TITLE:
Sno-Valley Senior Housing
Carnation, WA 98014

ARCHITECT:
Environmental Works
402 15th Avenue East
Seattle, Washington 98112
PH 206.329.8300
FX 206.329.5494

ISSUE:
Permit
SHEET TITLE:
Typical Wood Framing Details

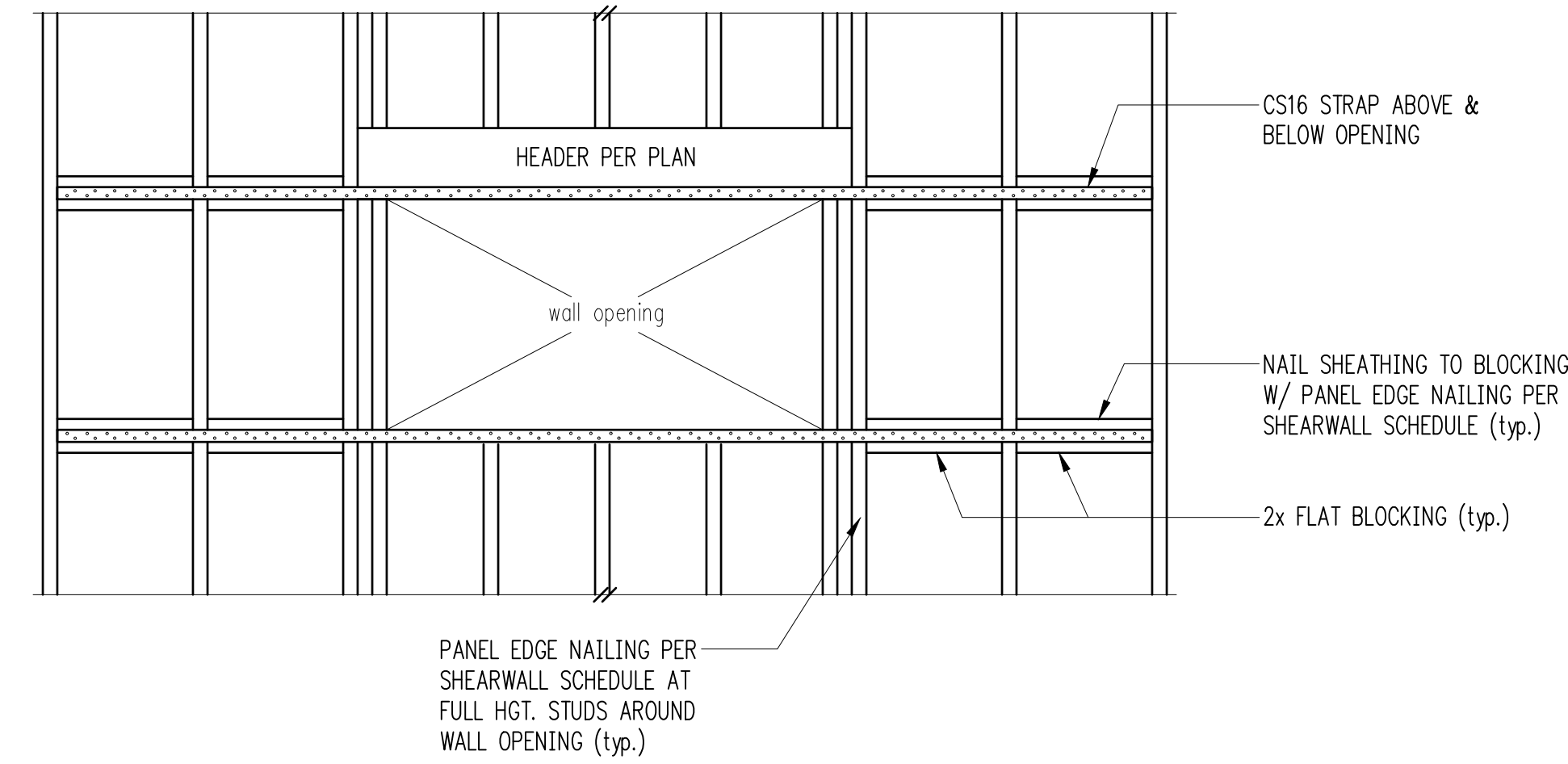
SCALE: 3/4" = 1'-0" U.N.O.
DATE: May 22, 2023
PROJECT NO: 00306-2022-02
SHEET NO:



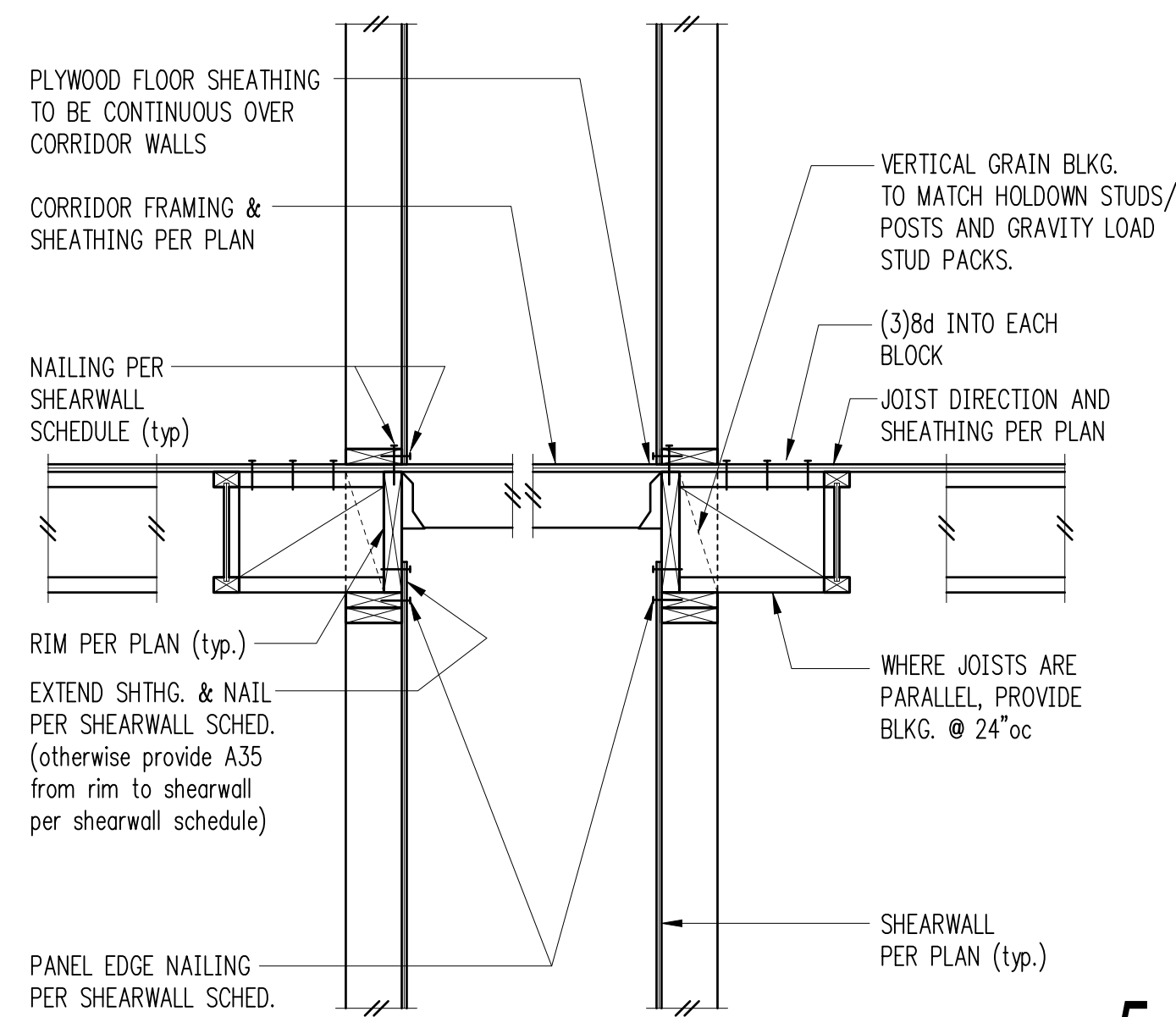
Holddown Strap Schedule

Plan Mark	End Length	#Nails Ea. End Length	Holddown Studs/Post	
			if 2x4	if 2x6
CS16	1'-2"	(13) 8d	(1) 2x4	(1) 2x6
CMST14	2'-6"	(33) 10d	4x6	4x6
CMST12	3'-3"	(43) 10d	4x8	6x6

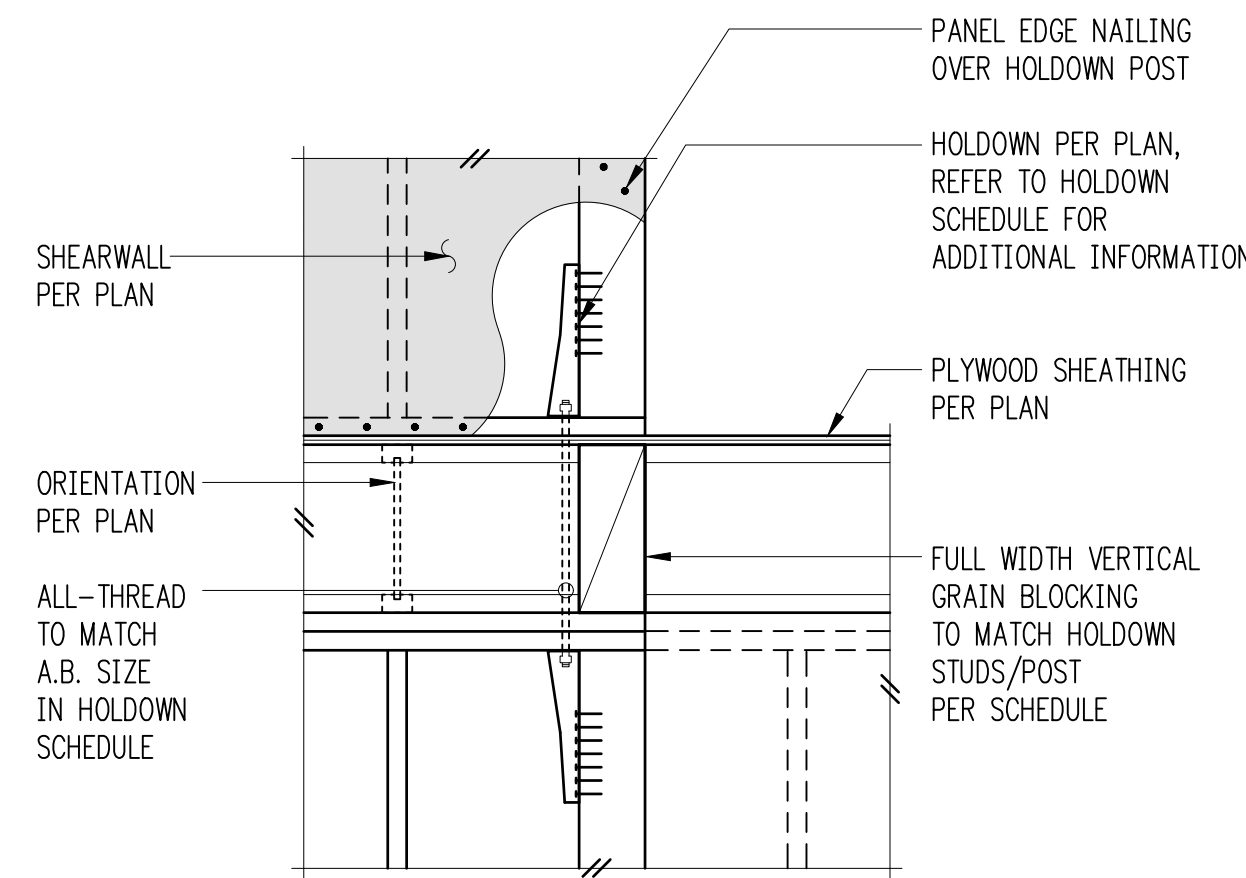
Typical Holddown Schedule 2



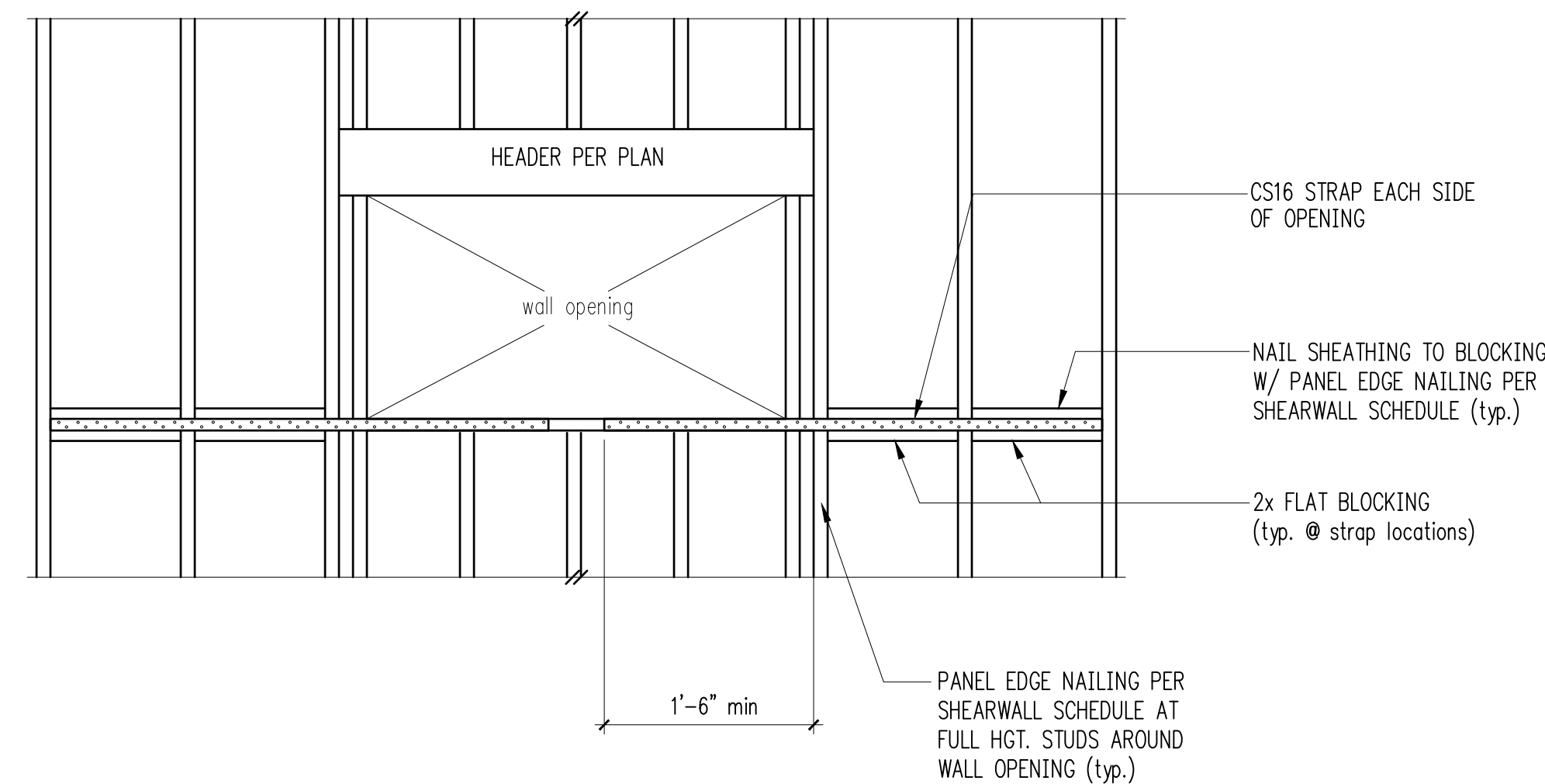
Continuous Straps at Wall Opening (above and below) 4



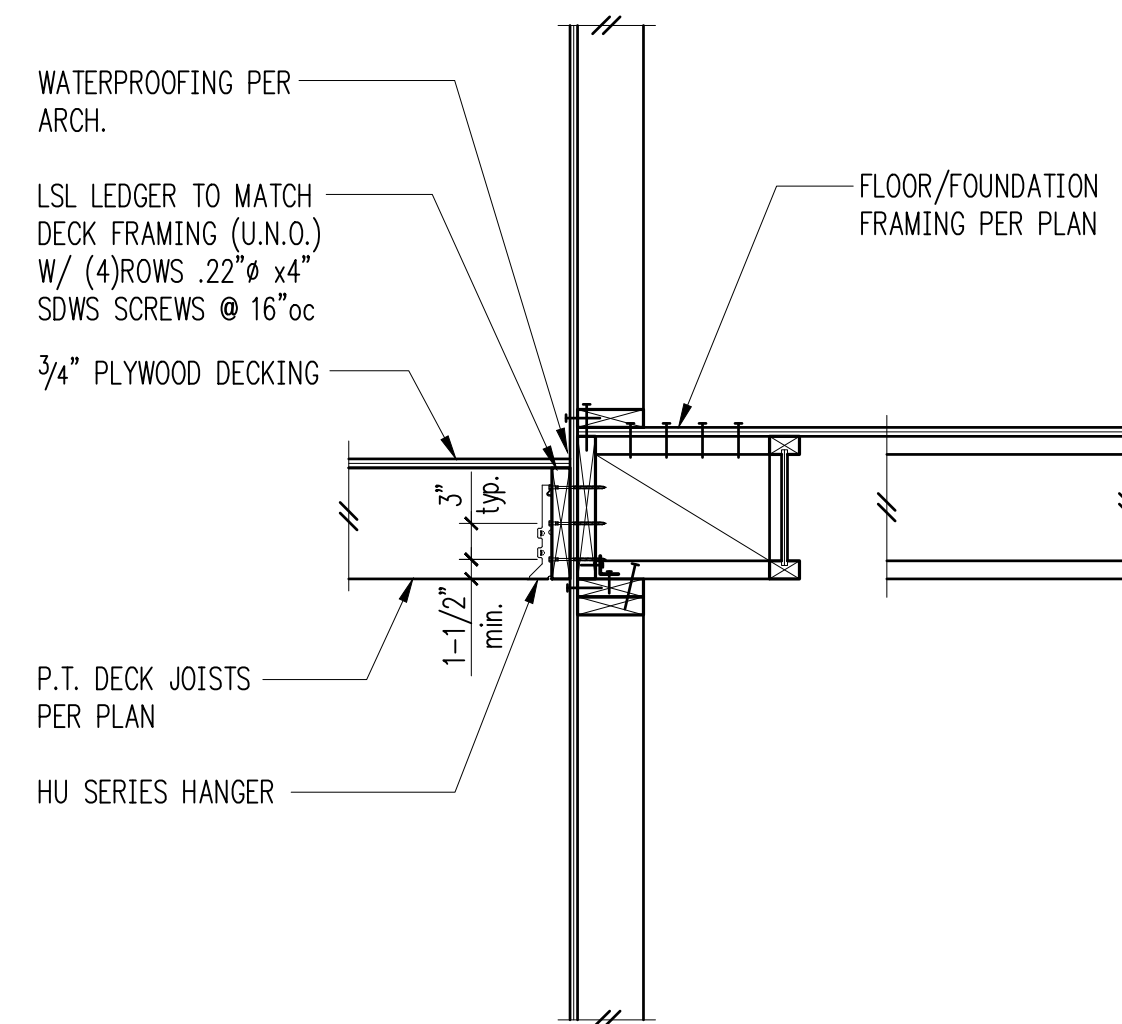
Detail at Corridor 5



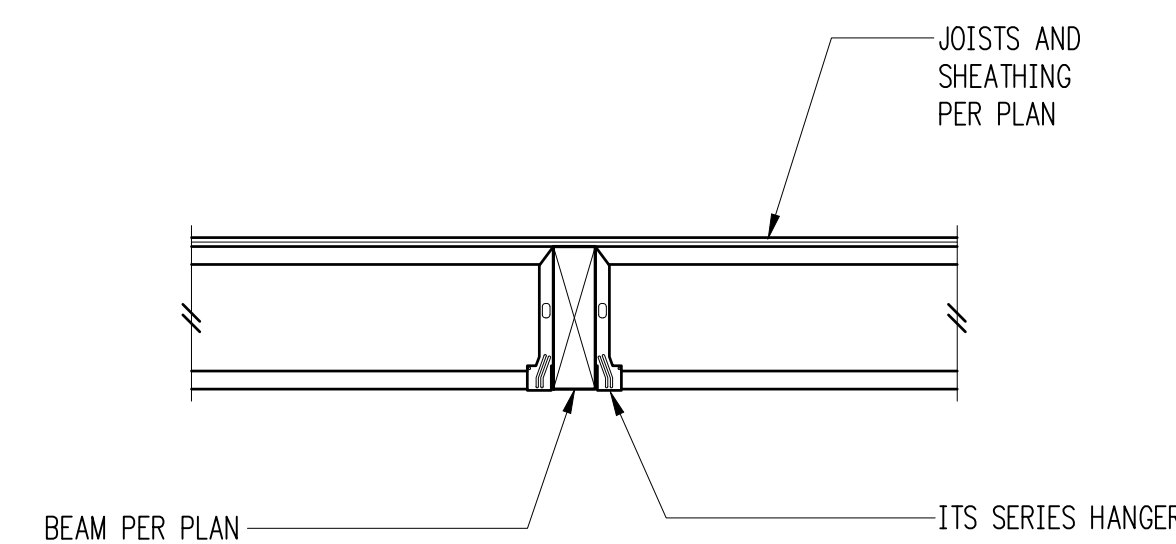
Typical HDU Holdowns 6



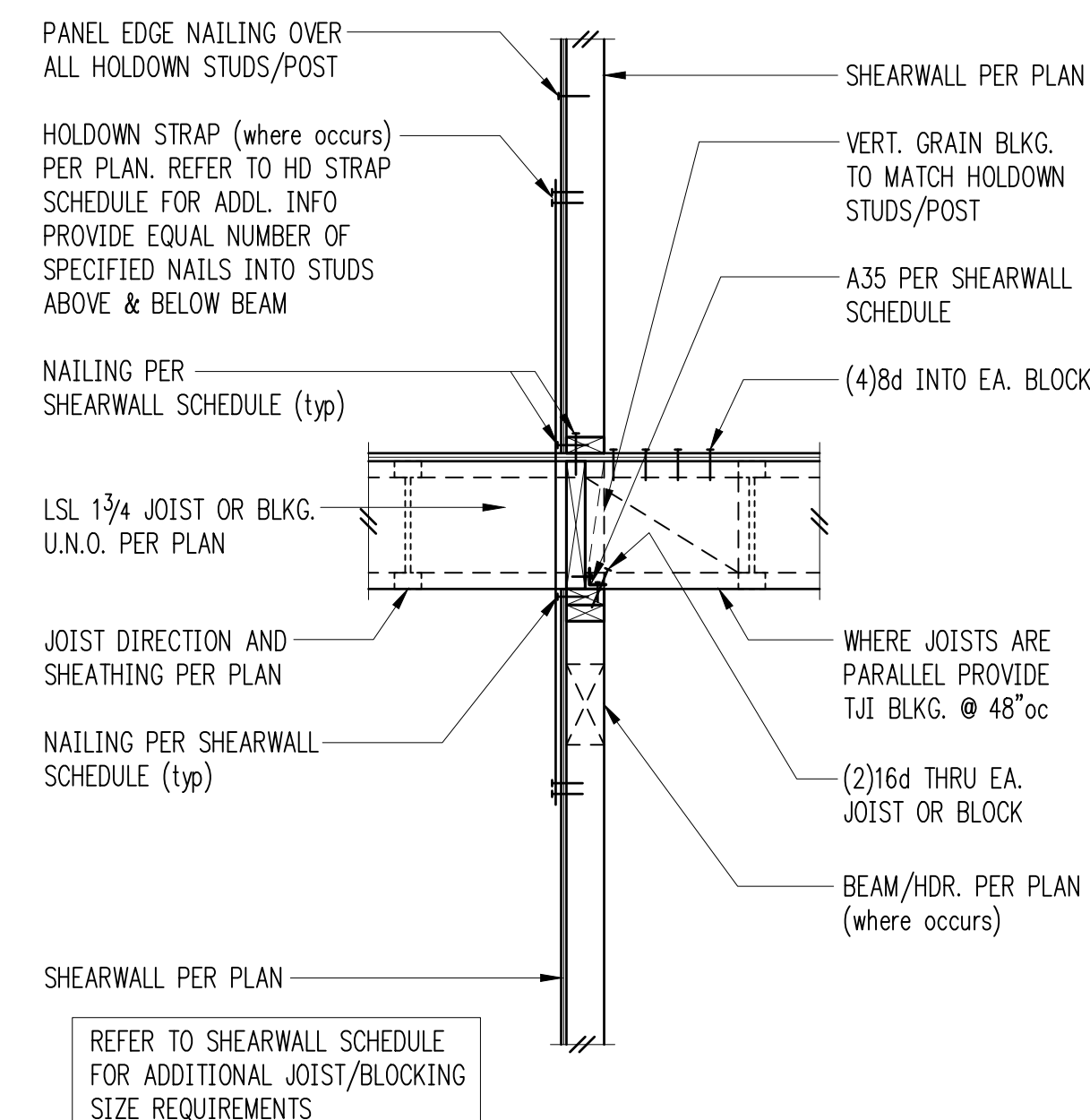
Straps at Wall Opening 8



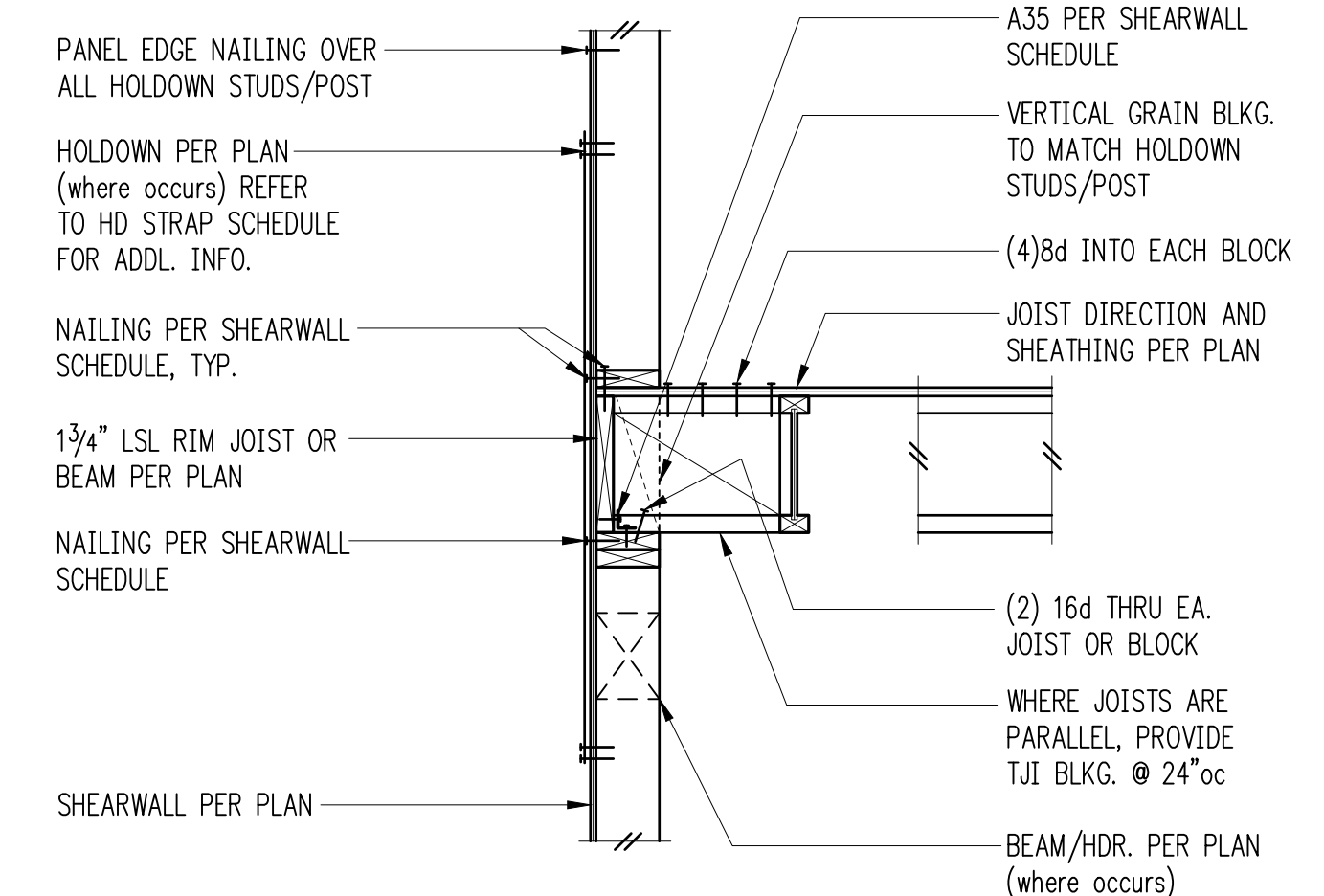
Typical Deck Ledger Detail 9



Typical Flush Beam 10



Interior Shearwall 11



Exterior Floor Framing 12



DESIGN: ABB
 DRAWN: NHD
 CHECKED: ABB
 APPROVED: ABB



REVISIONS:
 1 Permit Correction June 30, 2023

DPD:

PROJECT TITLE:
Sno-Valley Senior Housing

Carnation, WA 98014

ARCHITECT:
Environmental Works
 402 15th Avenue East
 Seattle, Washington 98112
 PH 206.329.8300
 FX 206.329.5494

ISSUE:
Permit
 SHEET TITLE:

Wood Framing Details

SCALE: 3/4" = 1'-0" U.N.O.
 DATE: May 22, 2023
 PROJECT NO: 00306-2022-02
 SHEET NO:

S4.2



DESIGN: ABB
 DRAWN: NHD
 CHECKED: ABB
 APPROVED: ABB



REVISIONS:
 1 Permit Correction June 30, 2023

DPD:

PROJECT TITLE:
Sno-Valley Senior Housing

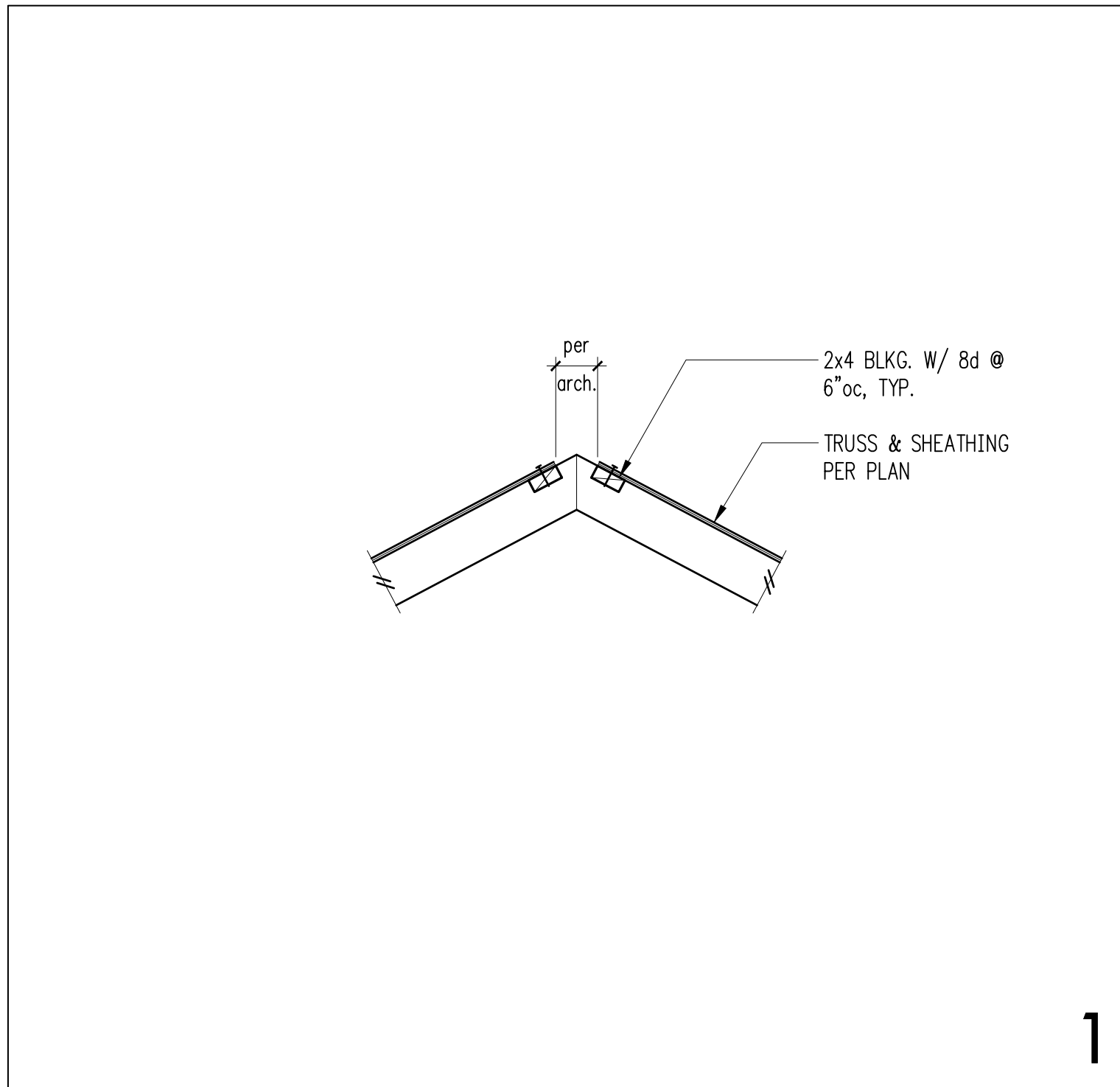
Carnation, WA 98014

ARCHITECT:
Environmental Works
 402 15th Avenue East
 Seattle, Washington 98112
 PH 206.329.8300
 FX 206.329.5494

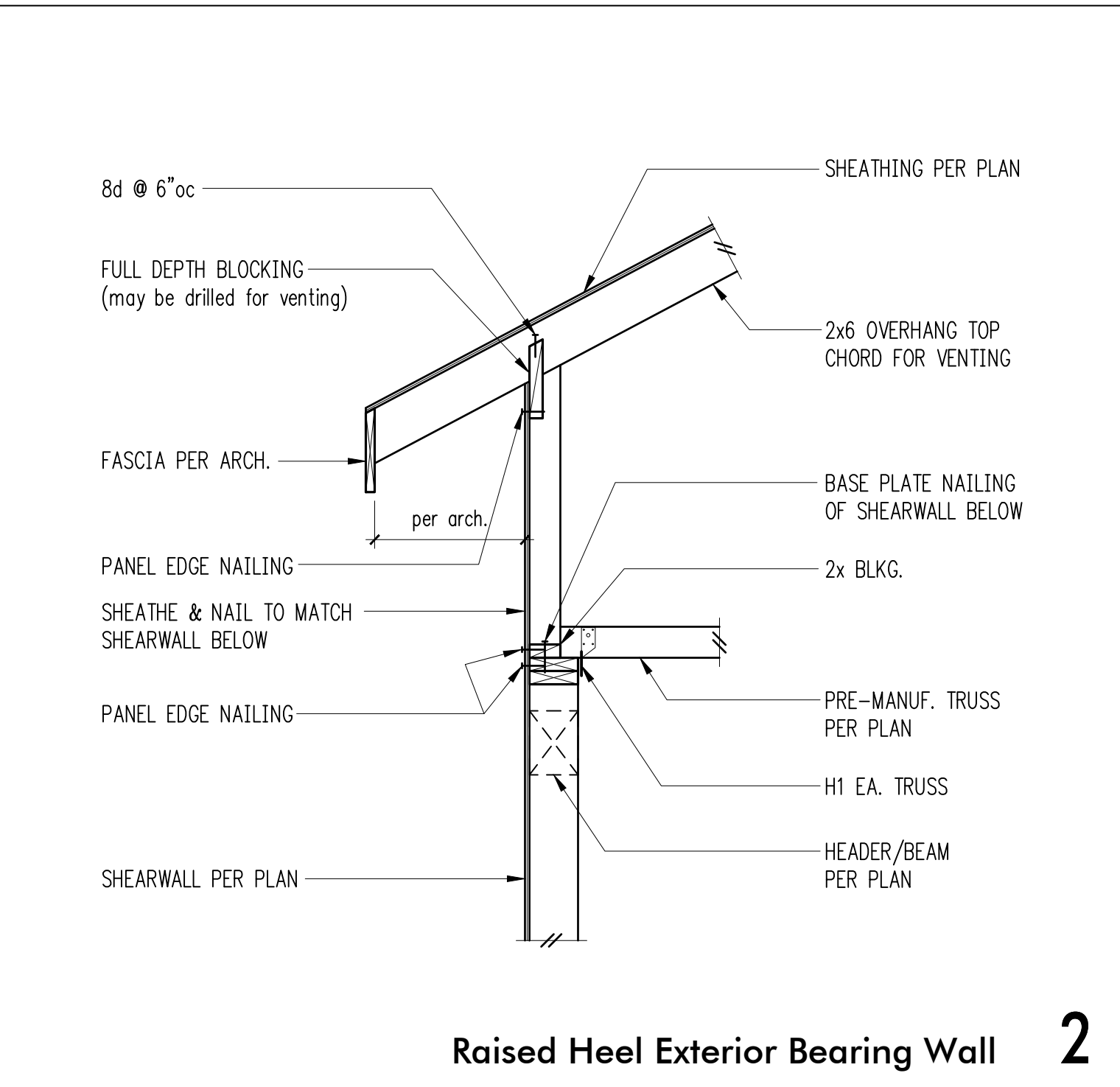
ISSUE:
Permit

SHEET TITLE:
Wood Framing Details

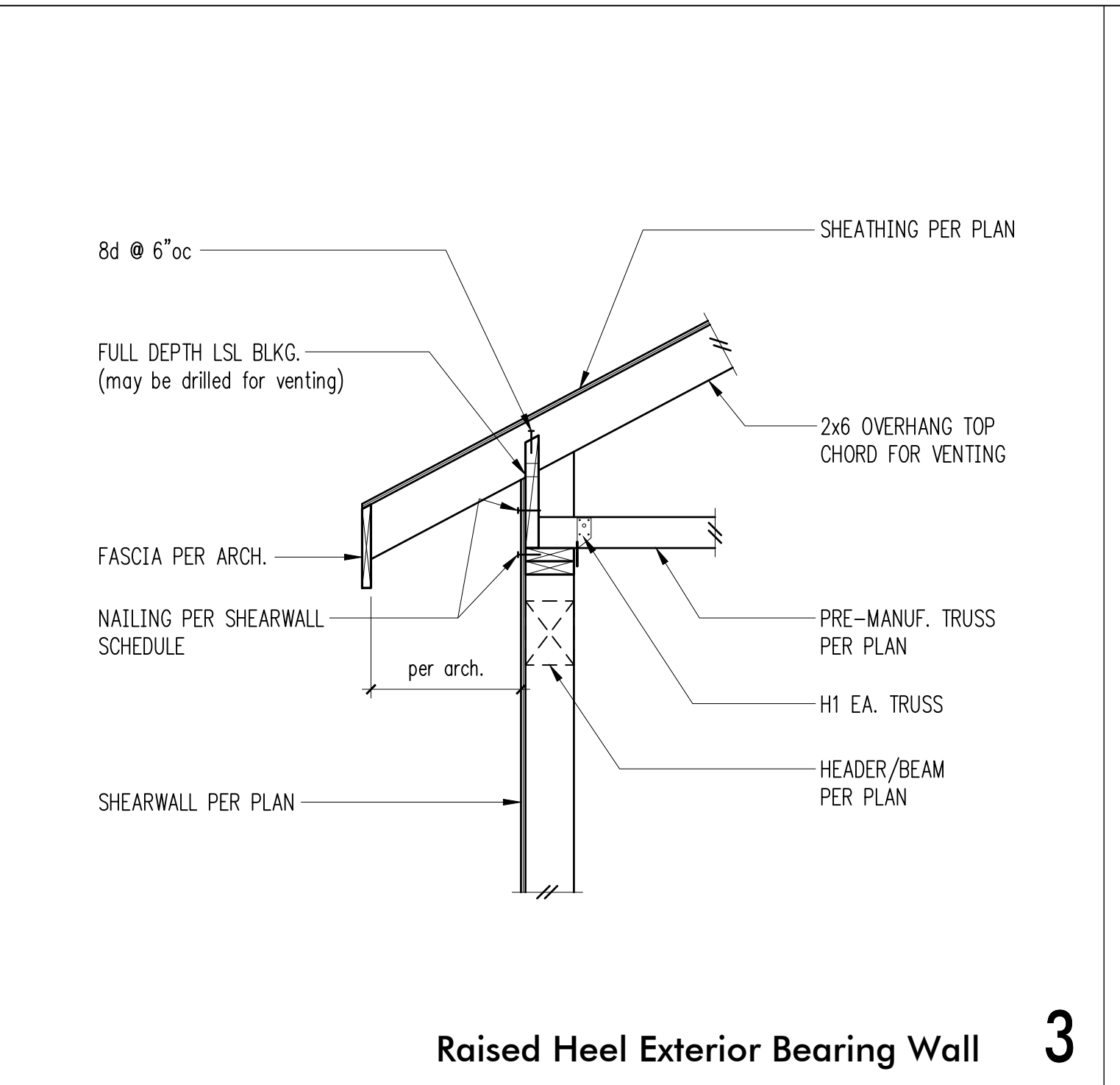
SCALE: 3/4" = 1'-0" U.N.O.
 DATE: May 22, 2023
 PROJECT NO: 00306-2022-02
 SHEET NO:



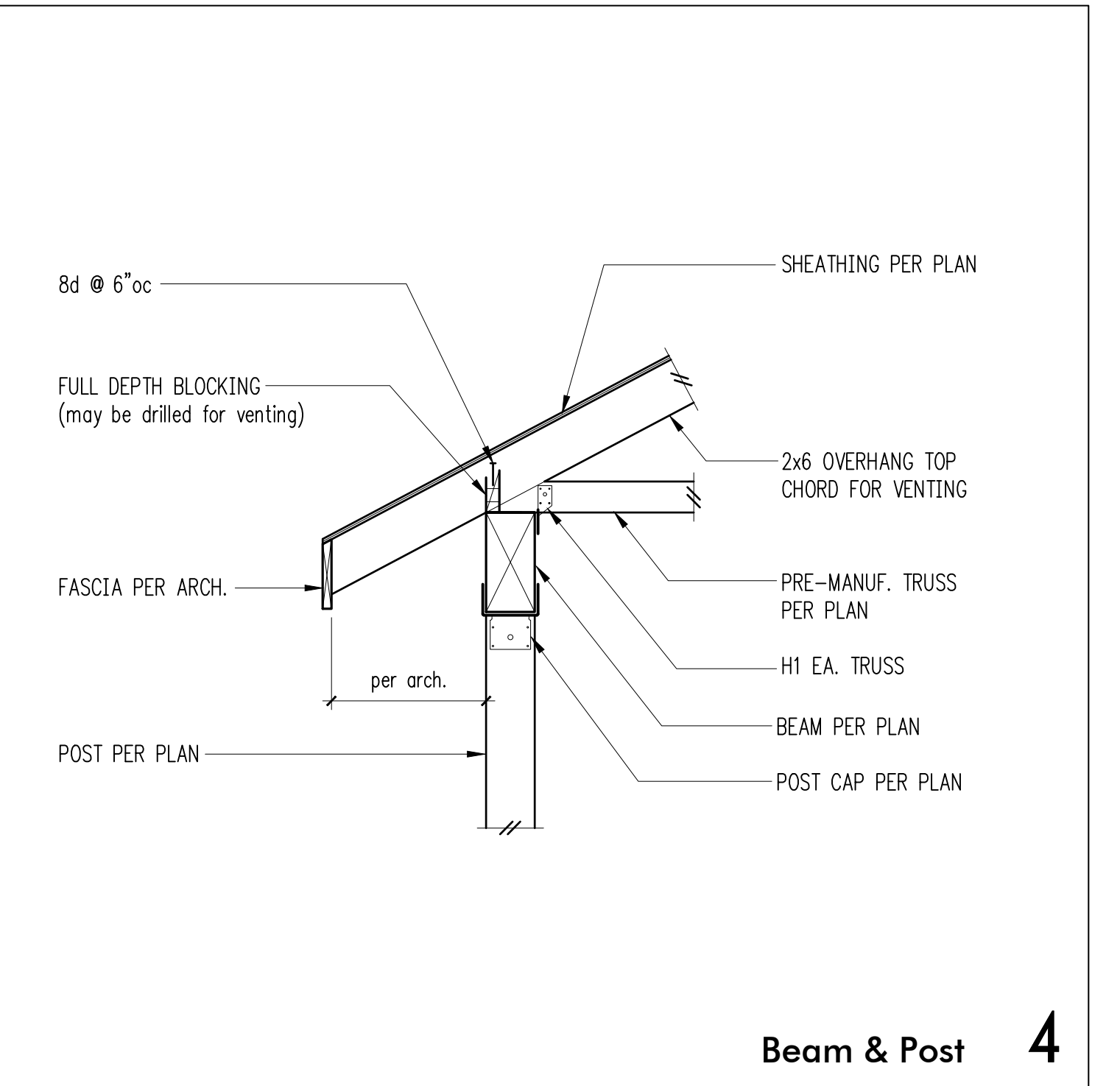
1



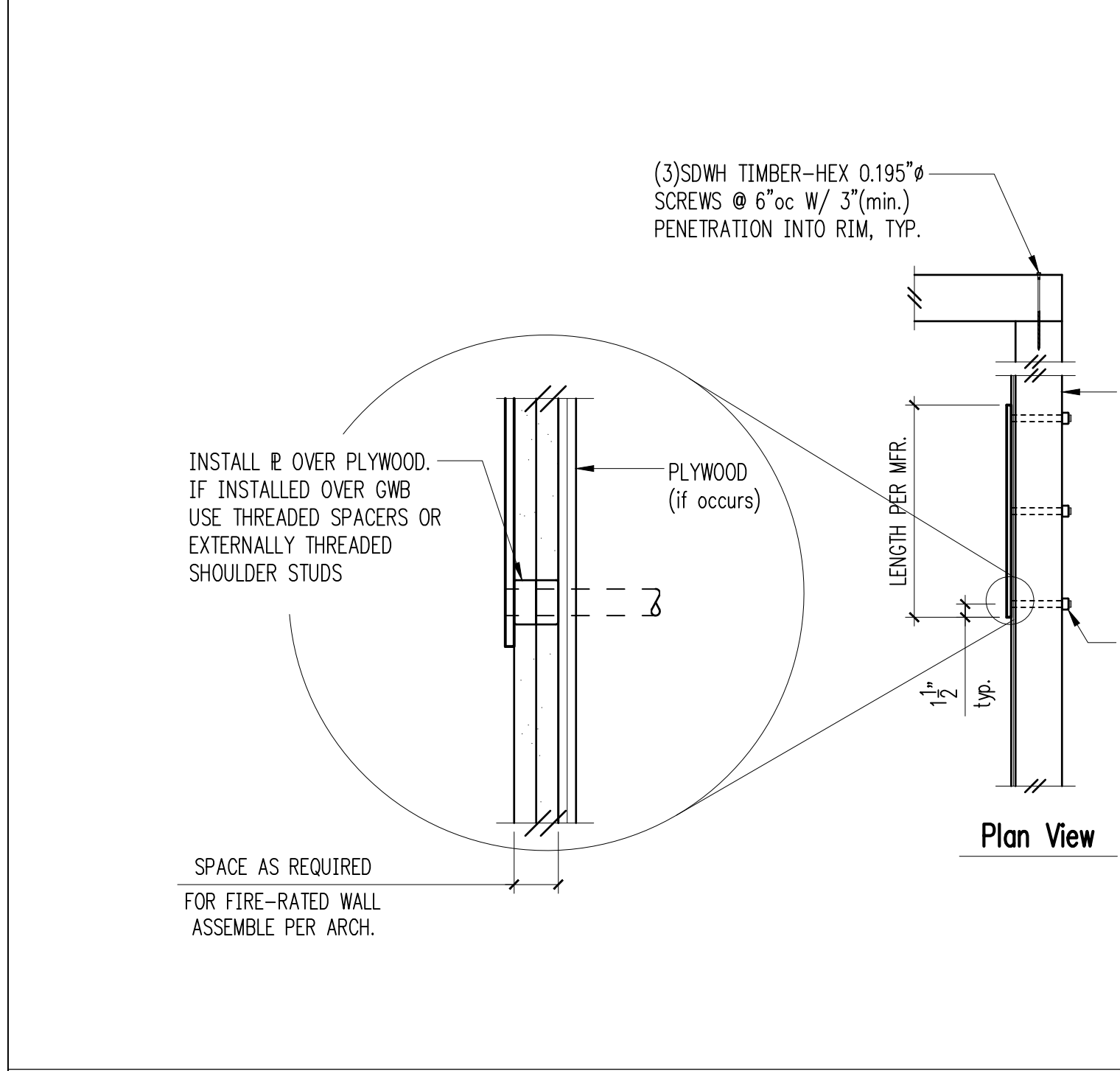
Raised Heel Exterior Bearing Wall 2



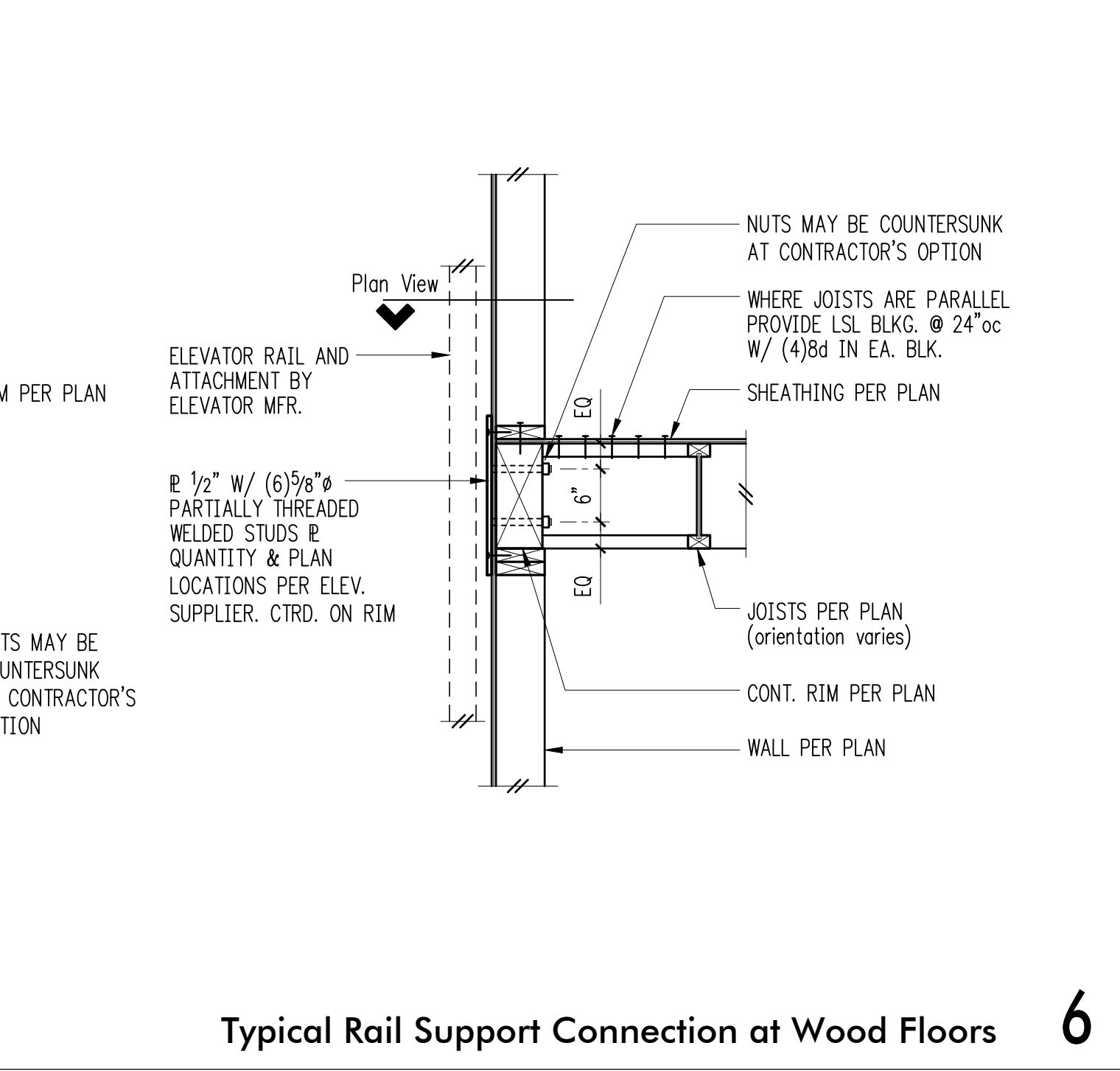
Raised Heel Exterior Bearing Wall 3



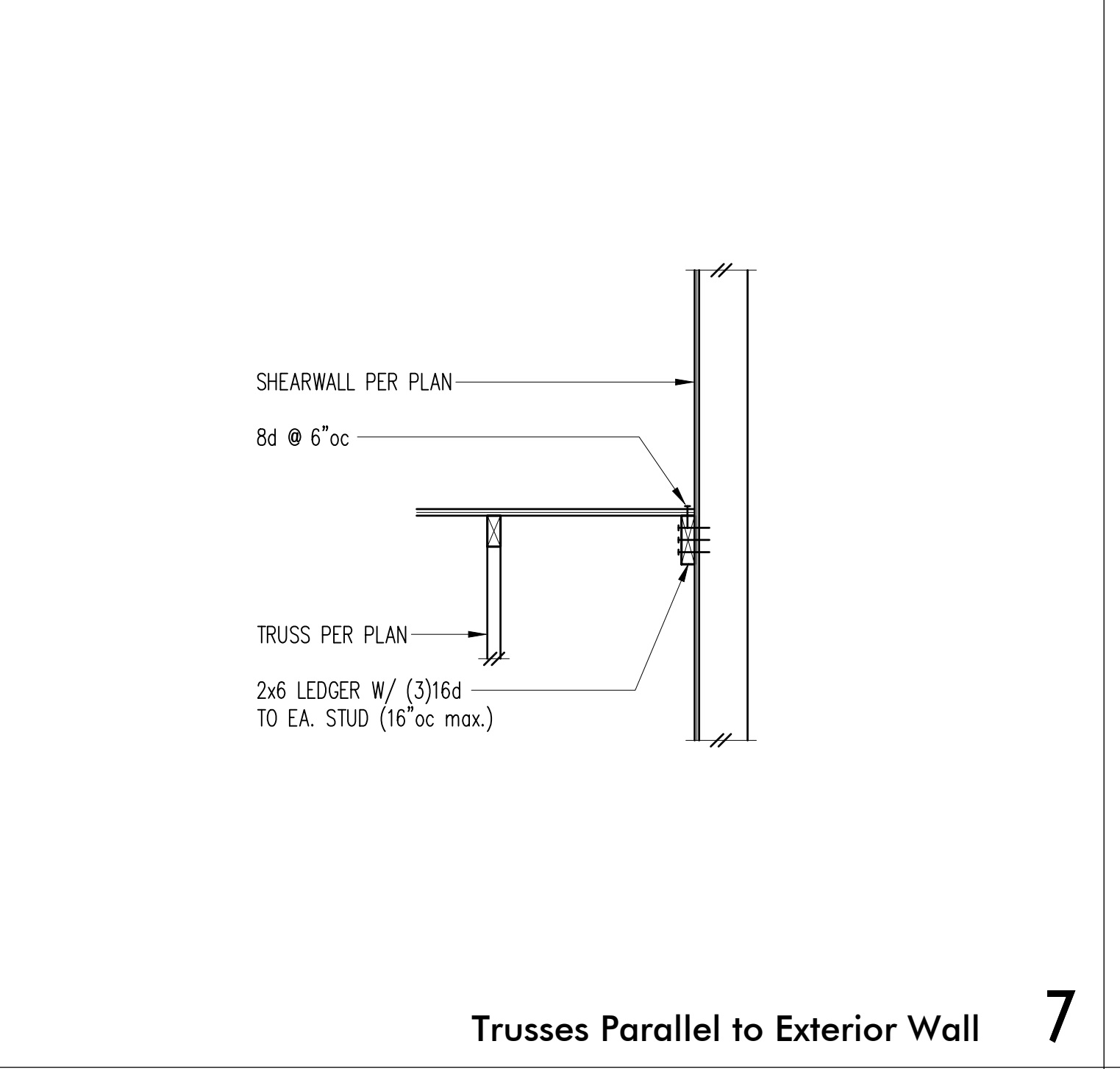
Beam & Post 4



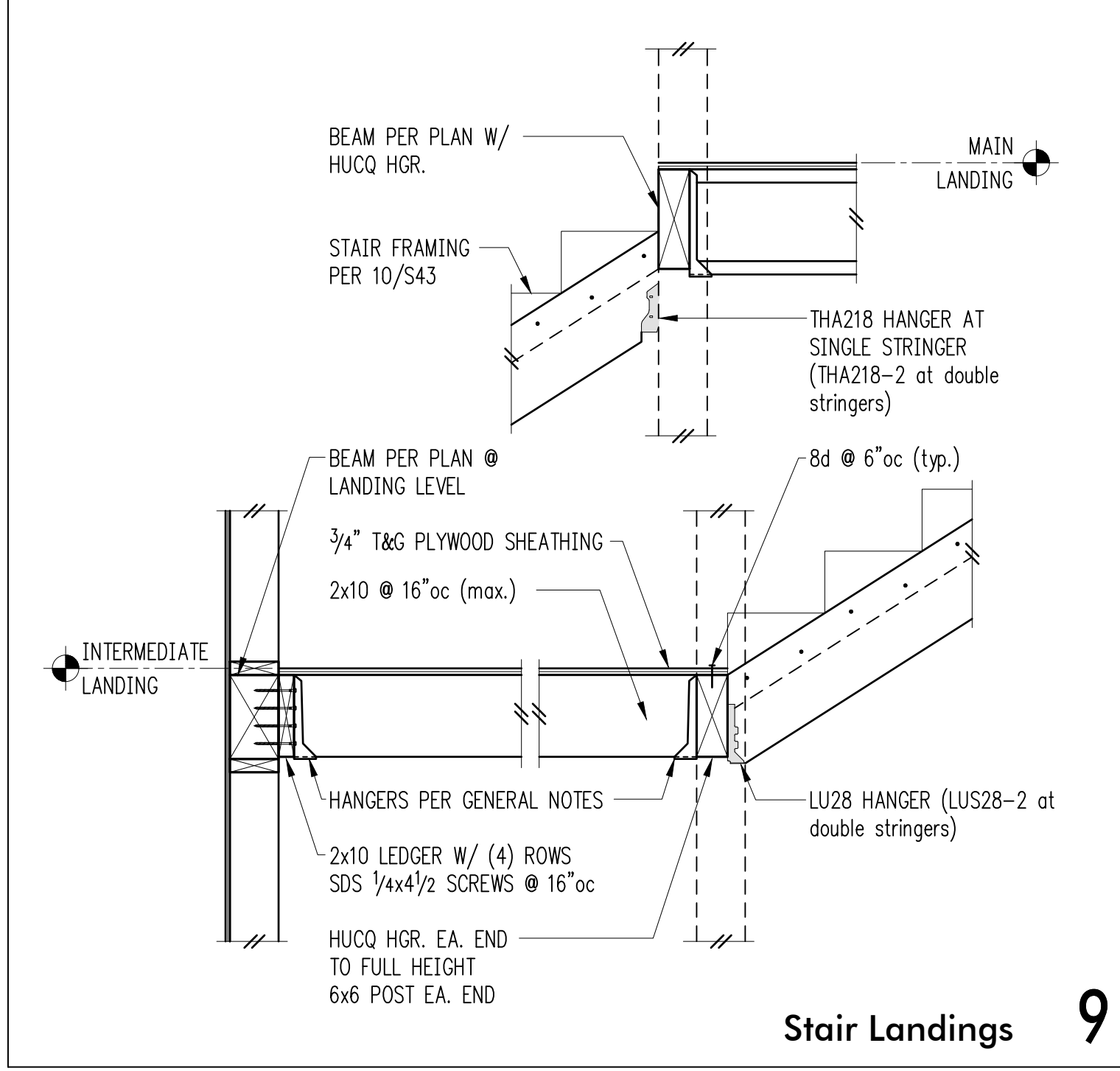
6



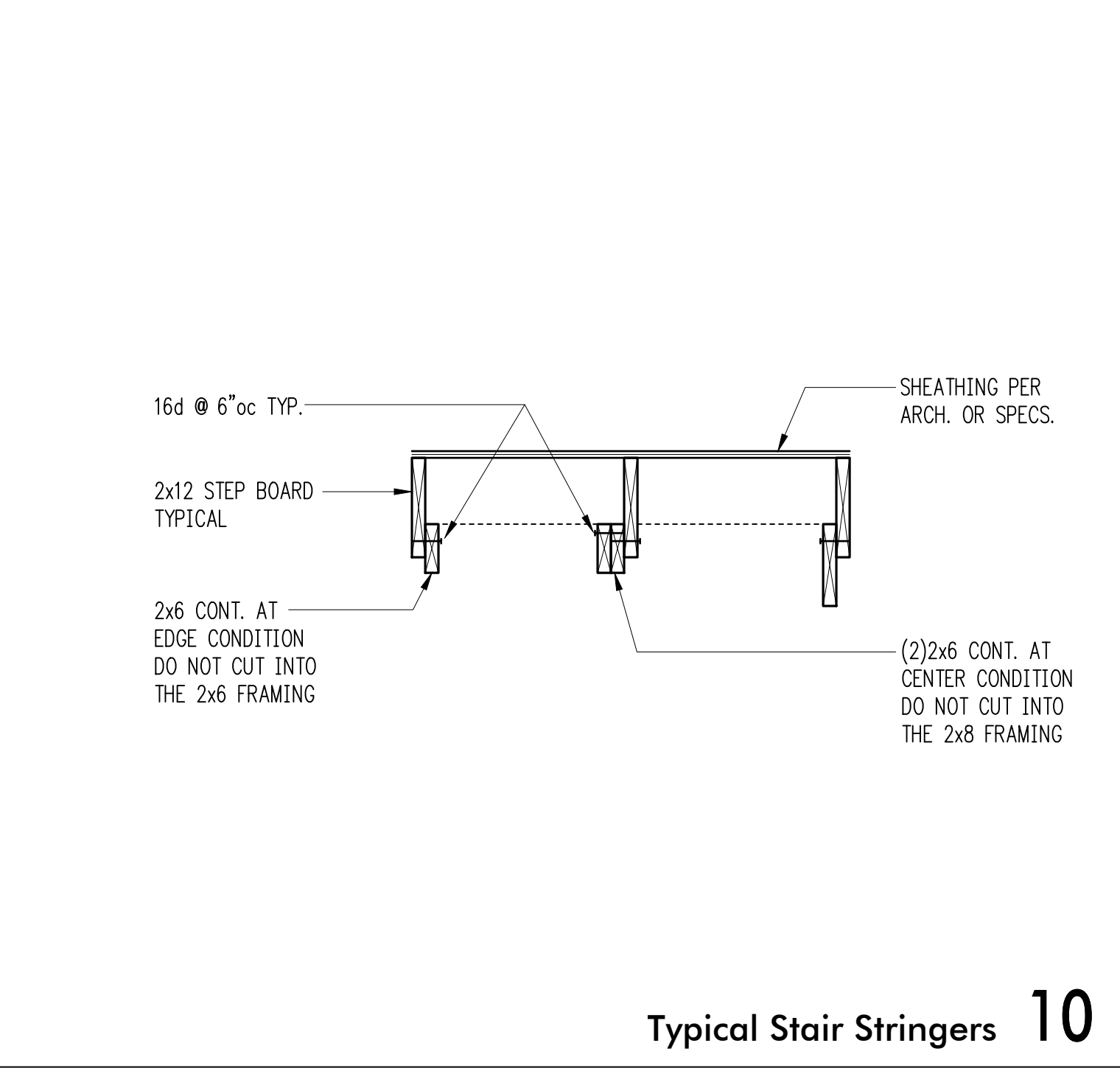
Trusses Parallel to Exterior Wall 7



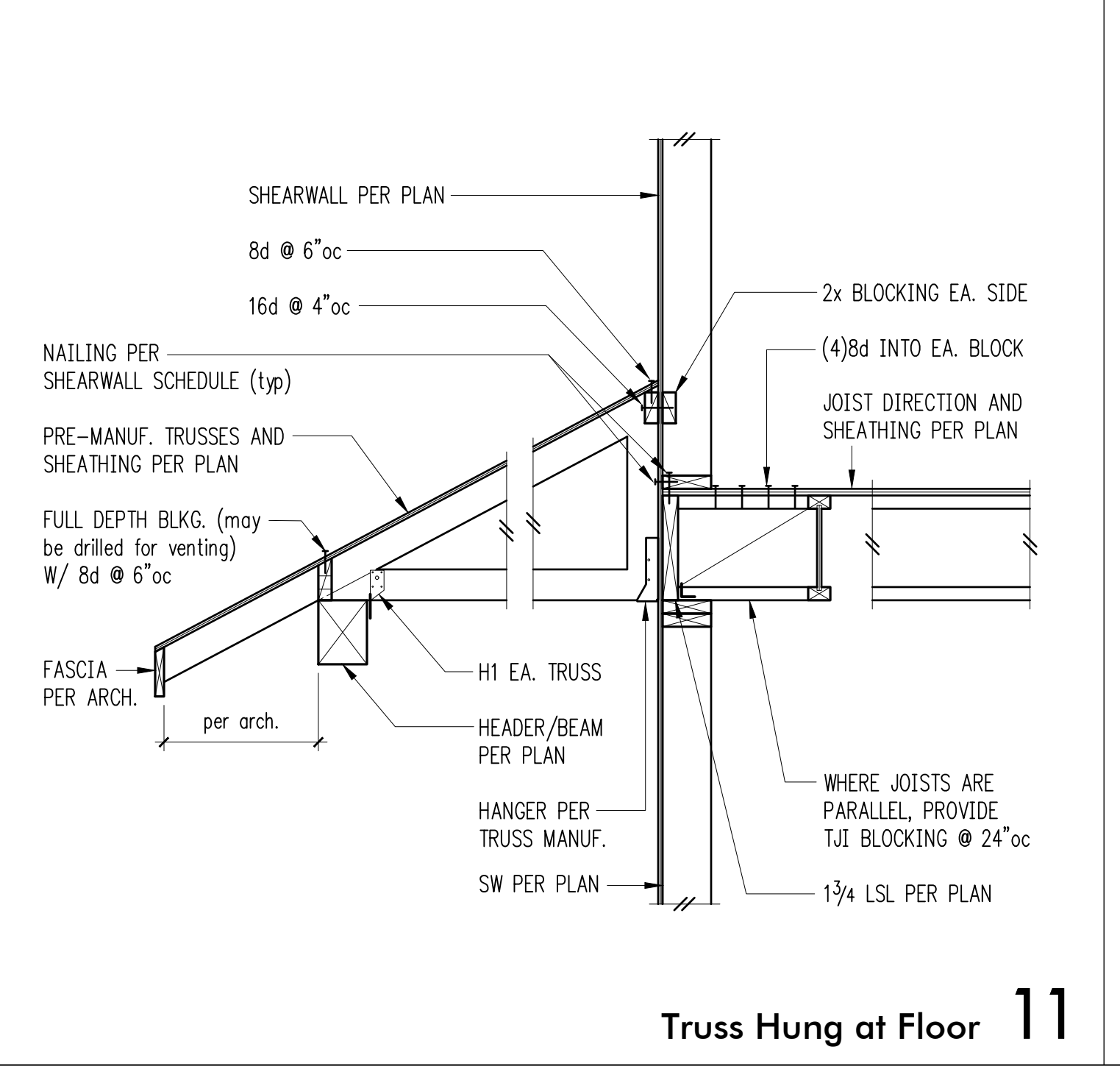
Exterior Non-Bearing Wall 8



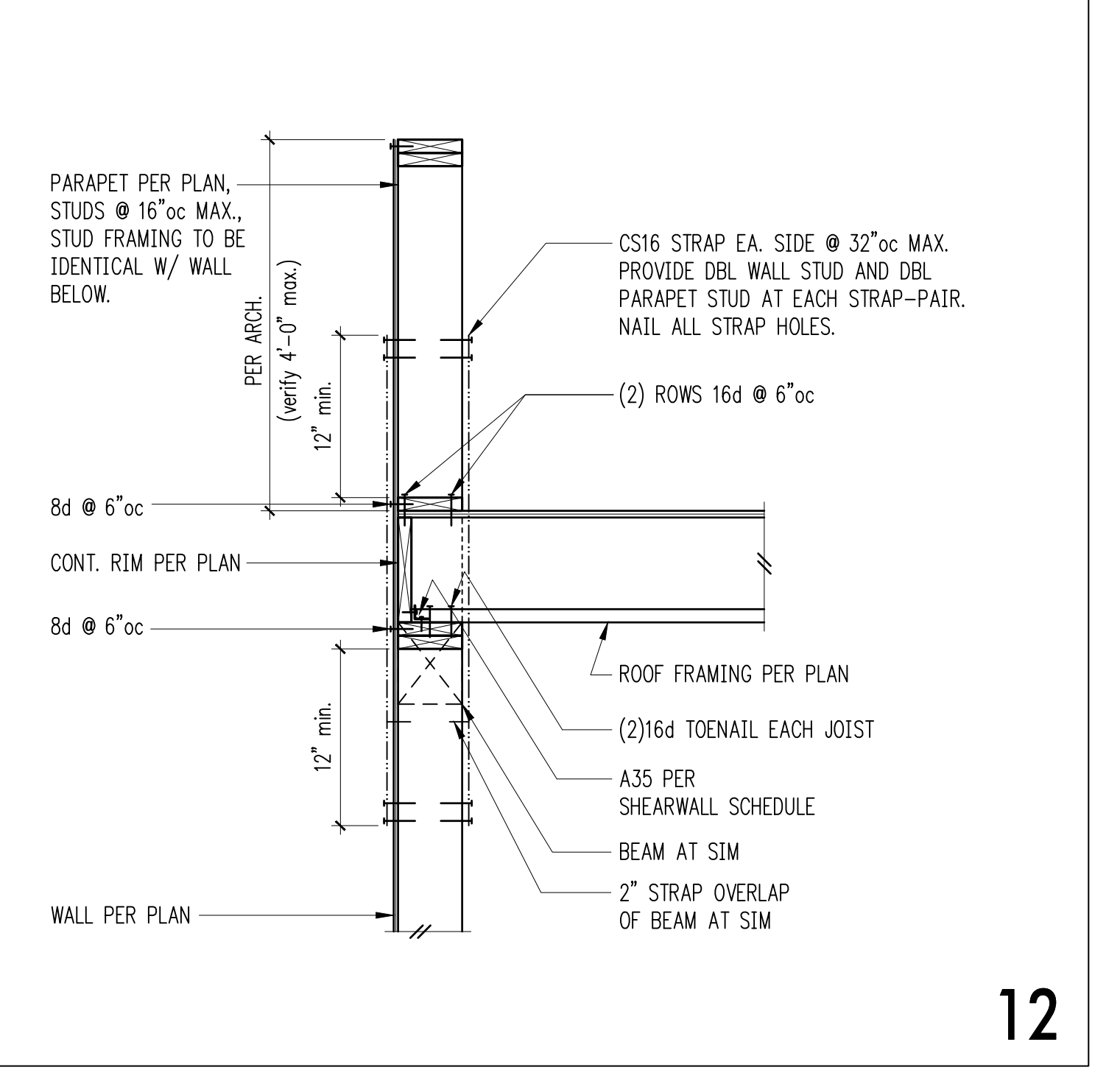
9



Typical Stair Stringers 10



Truss Hung at Floor 11



12

MECHANICAL SYMBOLS LEGEND

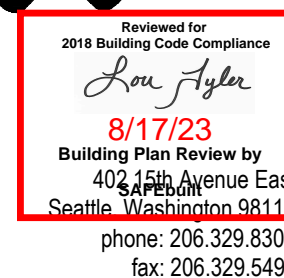
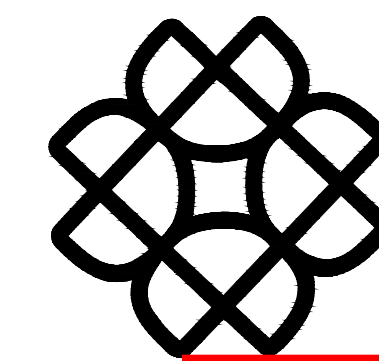
HYDRONIC SYSTEM LABELS	REFERENCE SYMBOLS	
PIPE BREAK (CONTINUATION)	DETAIL NUMBER SHEET	
HYDRONIC SUPPLY	FLAG NOTE	
HYDRONIC RETURN	REVISION TAG	
DIRECTION OF FLOW	MECHANICAL EQUIPMENT	
CAP	DIFFUSER/GRILLE TYPE CFM	
HEAT TRACED PIPING	SECTION NUMBER SHEET NUMBER	
HYDRONIC VALVES AND SPECIALTIES		
2-WAY ELECTRIC CONTROL VALVE F.O. FAIL OPEN F.C. FAIL CLOSED	<th>LIFE SAFETY SYMBOLS</th>	LIFE SAFETY SYMBOLS
3-WAY ELECTRIC CONTROL VALVE		
4-WAY CONTROL VALVE		
DUCTWORK LABELS		
INTERNALLY LINED DUCT	CEILING RADIATION DAMPER	
HIDDEN DUCT		
DUCT (1ST DIMENSION SIDE SHOWN, 2ND DIMENSION OTHER SIDE)	COMBINATION SMOKE/FIRE DAMPER	
REMOVE DUCT, PIPE OR MECH. EQUIPMENT		
FLEX DUCT	HORIZONTAL SMOKE DAMPER	
RECTANGULAR SUPPLY DUCT OUT OF PAGE	FIRE DAMPER	
RECTANGULAR SUPPLY DUCT INTO PAGE	<th>CONTROL SYMBOLS</th>	CONTROL SYMBOLS
SUPPLY DIFFUSER		
OUTSIDE AIR DIFFUSER	VOLUME DAMPER	
RECTANGULAR RETURN / EXHAUST DUCT OUT OF PAGE	MOTORIZED CONTROL DAMPER	
RECTANGULAR RETURN / EXHAUST DUCT INTO PAGE	THERMOSTAT IN DUCT	
RETURN OR EXHAUST GRILLE	PRESSURE SENSOR IN DUCT	
TURNING VANES	REMOTE OPERATED VOLUME DAMPER	
STRAIGHT TAP	BACKDRAFT DAMPER	
TAPERED FITTING	PRESSURE INDEPENDENT VOLUME CONTROLLER (TROX VFC)	
BELL MOUTH FITTING	PRESSURE INDEPENDENT VOLUME CONTROLLER W/ ACTUATOR (TROX VFC ED / MO)	
CONICAL FITTING	THERMOSTAT, MOUNT @ 4'-0" A.F.F.	
45 DEG. ANGLE TAP	SENSOR	
ROUND ELBOW OUT OF PAGE	CONTROL DEVICE	
ROUND ELBOW INTO PAGE	MAGNETIC DOOR SWITCH	
ROUND DUCT OUT OF PAGE	CARBON MONOXIDE DETECTOR WITH FAN INDICATED	
ROUND DUCT INTO PAGE	CARBON DIOXIDE DETECTOR	
ROUND DUCT BREAK (CONTINUATION)	<th>PIPING SYSTEM LABELS</th>	PIPING SYSTEM LABELS
RECTANGULAR DUCT BREAK (CONTINUATION)		
FLEX CONNECTION	NATURAL GAS OR PROPANE	
	BALL VALVE MANUAL LEVER	
	BUTTERFLY VALVE MANUAL LEVER	
	BUTTERFLY GEAR VALVE	
	GLOBE VALVE MANUAL LEVER	
	BALANCE VALVE (CIRCUIT SETTER)	
	BALANCE VALVE (PRESSURE INDEPENDENT)	
	PIPE TO DRAIN	
	PRESSURE SAFETY VALVE	
	AUTOMATIC AIR VENT	
	MANUAL AIR VENT	
	WYE STRAINER	
	WYE STRAINER WITH VALVE AND HOSE END CAP	
	HEAT TRACE PIPING	
	HOSE END AND CAP	
	EXPANSION LOOP	

ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	MBH	1000 BRITISH THERMAL UNIT PER HOUR
ADA	AMERICANS WITH DISABILITIES ACT	MCD	MOTORIZED CONTROL DAMPER
ADJ	ADJUSTABLE	MD	MOTORIZED DAMPER
AFF	ABOVE FINISHED FLOOR	MED	MEDIUM
AFG	ABOVE FINISHED GRADE	MEP	MECHANICAL, ELECTRICAL & PLUMBING
ALT	ALTERNATE	MEZZ	MEZZANINE
AP	ACCESS PANEL	MIN	MINIMUM OR MINUTE
APPROX	APPROXIMATE	MISC	MISCELLANEOUS
ARCH	ARCHITECTURAL/ARCHITECT	N/A	NOT APPLICABLE
AS	AIR SEPARATOR	NC	NORMALLY CLOSED
AUX	AUXILIARY	NEG	NEGATIVE
BFF	BELOW FINISHED FLOOR	NIC	NOT IN CONTRACT
BHP	BRAKE HORSE POWER	NO	NORMALLY OPEN
BLDG	BUILDING	NOM	NOMINAL
BOP	BOTTOM OF PIPE	NPT	NATIONAL PIPE THREAD
BTU	BRITISH THERMAL UNIT	NTS	NOT TO SCALE
BTUH	BRITISH THERMAL UNIT PER HOUR	OA/OSA	OUTSIDE AIR
CA	COMBUSTION AIR	OBD	OPPOSED BLADE DAMPER
CFH	CUBIC FEET PER HOUR	OC	ON CENTER
CFM	CUBIC FEET PER MINUTE	OD	OUTSIDE DIAMETER
C/L	CENTER LINE	OFCI	OWNER FURNISHED
CLG	CEILING	OFI	CONTRACTOR INSTALLED
CO	CARBON MONOXIDE	OFOI	OWNER FURNISHED
CO2	CARBON DIOXIDE		OWNER INSTALLED
COND	CONDENSATE	ΔP	PRESSURE DIFFERENTIAL
CW	COLD WATER	PERF	PERFORATED
CX	CONNECT TO EXISTING	Φ OR PH	PHASE
dB	DECIBEL	PIVD	PRESSURE INDEPENDENT VOLUME DAMPER
DB °F	DRY BULB TEMPERATURE	PLBG	PLUMBING
° OR DEG.	DEGREE	POC	POINT OF CONNECTION
Ø OR DIA	DIAMETER	PRV	PRESSURE REDUCING VALVE
DL	DOOR LOUVER	PSF	POUNDS PER SQUARE FOOT
DN	DOWN	PSI	POUNDS PER SQUARE INCH
DWG(S)	DRAWING(S)	PSIG	POUNDS PER INCH GAUGE
DWV	DRAIN, WASTE, VENT	PTAC	PACKAGE TERMINAL AIR CONDITIONER
EX	EXISTING/EXISTING TO REMAIN	QTY	QUANTITY
EA	EACH	RA	RETURN AIR
EA	EXHAUST AIR	RH	RELATIVE HUMIDITY
EAT	ENTERING AIR TEMPERATURE	RM	ROOM
ERU	ENERGY RECOVERY UNIT	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
ESP	EXTERNAL STATIC PRESSURE	RPM	REVOLUTIONS PER MINUTE
ET	EXPANSION TANK	RLX	RELOCATE EXISTING
EW	ELECTRIC WALL HEATER	RTU	ROOF TOP UNIT
EXP	EXPANSION	RV	RELIEF VALVE
FC	FAIL CLOSED	RX	REMOVE EXISTING
FSD	FIRE/SMOKE DAMPER	SA	SUPPLY AIR
FF	FINISHED FLOOR	SD	SMOKE DETECTOR
FLA	FULL LOAD AMPS	SF	SQUARE FOOT
FO	FAIL OPEN	S.L.	SOUND LINER
FP	FIRE PROTECTION	SP	STATIC PRESSURE
FPM	FEET PER MINUTE	SPEC	SPECIFICATION
FPS	FEET PER SECOND	S/S, OR SS	STAINLESS STEEL
FT	FEET/FOOT	STD	STANDARD
FTG	FOOTING	T&P	TEMPERATURE AND PRESSURE RELIEF VALVE
FOIC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR	TBD	TO BE DETERMINED
FOIO	FURNISHED BY OWNER INSTALLED BY OWNER	TEMP	TEMPERATURE
FSD	FIRE/SMOKE DAMPER	TOB	TOP OF BEAM
G	NATURAL GAS	TOC	TOP OF CONCRETE
GA	GAUGE	TOD	TOP OF DECK
GAL	GALLON	TOJ	TOP OF JOIST
GALV	GALVANIZED	TOS	TOP OF SLAB/TOP OF STEEL
G.C.	GENERAL CONTRACTOR	T&P	TEMPERATURE & PRESSURE
GSM	GALVANIZED SHEET METAL	TSP	TOTAL STATIC PRESSURE
H	HEIGHT	TYP	TYPICAL
HD	HEAD	UL	UNDERWRITERS LABORATORY
HP	HORSEPOWER	UNO	UNLESS NOTED OTHERWISE
HVAC	HEATING VENTILATING AND AIR CONDITIONING	UTR	UP THROUGH ROOF
HW	HOT WATER	V	VOLT
HX	HEAT EXCHANGER	VAV	VARIABLE AIR VOLUME
HZ	HERTZ	VERT	VERTICAL
ID	INSIDE DIAMETER/DIMENSION	VFD	VARIABLE FREQUENCY DRIVE
IN	INCH/INCHES	VIB	VALVE-IN-BOX
IN WC	INCHES WATER COLUMN	VOL	VOLUME
KW	KILOWATT/KILOWATTS	W/	WITH
LAT	LEAVING AIR TEMPERATURE	W/IN	WITHIN
LBS	POUNDS	W/O	WITHOUT
LF	LINEAL FOOT	WB °f	WET BULB TEMPERATURE
LRA	LOCKED ROTOR AMPS	WC	WATER COLUMN
LTG	LIGHTING	WPD	WATER PRESSURE DROP
LWT	LEAVING WATER TEMPERATURE	WT	WEIGHT

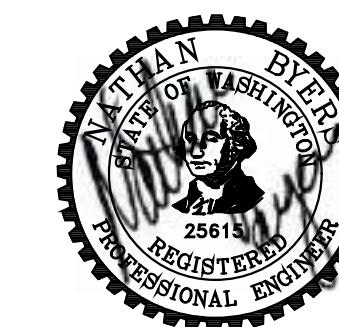


192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
CARNATION, WA 98014



Issuance	
BID SET	
Date	
25 JULY 2023	
Revisions	
#	Date Description
7.25.23	PERMIT CORRECTIONS

COVER SHEET

Drawn By:	NB
Checked By (P.M.):	NB
Checked By (O.C.):	NB
Project No.	21035

FOR SDCI USE ONLY

COMMISSIONING NOTES

1. BUILDING COMMISSIONING BY A CERTIFIED COMMISSIONING PROFESSIONAL (CCXP) SHALL BE COMPLETED FOR THE MECHANICAL SYSTEMS, SERVICE WATER HEATING SYSTEMS AND ENERGY METERING SYSTEMS ON THIS PROJECT IN ACCORD WITH THE COMMERCIAL ENERGY CODE SECTION C408 AND SPECIFICATION SECTION 230800. THE GOAL OF COMMISSIONING IS TO VERIFY THAT EQUIPMENT, CONTROLS AND THE SEQUENCING OF SUCH OPERATE AS INTENDED. THE COMMISSIONING DOCUMENTATION THAT IS REQUIRED IS THE PROOF OF THIS OPERATION. THE FOLLOWING TASKS ARE REQUIRED FOR COMMISSIONING. SEE SECTION 230800 FOR ADDITIONAL REQUIREMENTS.
2. COMMISSIONING PLAN: THE CCXP SHALL DEVELOP A PLAN WHICH OUTLINES THE ORGANIZATION, SCHEDULE, ALLOCATION OF RESOURCES AND DOCUMENTATION REQUIREMENTS OF THE COMMISSIONING PROCESS. ITEMS 1 THROUGH 4 AS SPECIFIED SHALL BE PREPARED AND SUBMITTED WITH THE MECHANICAL PERMIT. ITEMS 5 THROUGH 8 AS SPECIFIED SHALL BE SUBMITTED TO BUILDING DEPARTMENT PRIOR TO THE FIRST MECHANICAL INSPECTION. ALL ITEMS SHALL BE SUBMITTED WITH THE MECHANICAL SUBMITTALS.
3. PRELIMINARY COMMISSIONING REPORT: COMPLETION OF THE COMMISSIONING TEST PROCEDURES AND RESULTS SHALL BE CERTIFIED BY THE CCXP. REPORT SHALL NOTE DEFICIENCIES FOUND DURING TESTING, CORRECTIVE ACTION TAKEN OR THE ANTICIPATED DATE OF CORRECTION, CONDITIONS UNDER WHICH THE TESTING WAS PERFORMED AND STATUS OF ANY DEFERRED TESTS.
 - A. SUBMISSION OF THIS REPORT IS REQUIRED PRIOR TO FINAL MECHANICAL & PLUMBING INSPECTIONS AND CERTIFICATE OF OCCUPANCY.
 - B. A COPY OF THIS REPORT SHALL BE MADE AVAILABLE TO THE CODE OFFICIAL.
4. WITHIN 90 DAYS OF RECEIPT OF THE BUILDING CERTIFICATE OF OCCUPANCY, THE PROJECT RECORD DRAWINGS, O&M MANUALS, FINAL BALANCING REPORT, FINAL COMMISSIONING REPORT AND DOCUMENTATION OF COMPLETED OWNER TRAINING SHALL BE SUBMITTED FOR REVIEW.
5. RECORD DRAWINGS: LOCATION AND PERFORMANCE DATA ON EACH PIECE OF INSTALLED EQUIPMENT, AS-INSTALLED CONFIGURATION OF DUCT AND PIPE DISTRIBUTION SYSTEM, INCLUDING SIZES, AND THE TERMINAL AIR AND WATER DESIGN FLOW RATES OF THE ACTUAL INSTALLATION.
6. OPERATION & MAINTENANCE MATERIALS: SUBMIT ALL OF THE FOLLOWING.
 - A. EQUIPMENT SIZE, SELECTED OPTIONS, AND REQUIRED MAINTENANCE.
 - B. MANUFACTURER'S O&M MANUAL FOR EACH PIECE OF EQUIPMENT.
 - C. NAME AND ADDRESS OF SERVICE AGENCY.
 - D. CONTROLS MAINTENANCE AND CALIBRATION INFORMATION INCLUDING WIRING DIAGRAMS, SCHEMATICS, RECORD DRAWINGS AND CONTROL SEQUENCES. SETPOINTS SHALL BE PERMANENTLY RECORDED IN THESE DOCUMENTS.
 - E. NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE.
7. SYSTEM ADJUSTING & BALANCING: ALL HVAC, HYDRONIC AND SERVICE HOT WATER SYSTEMS SHALL BE BALANCED BY A LICENSED CONTRACTOR IN ACCORDANCE WITH ACCEPTED ENGINEERING STANDARDS AND SECTION 230593. FINAL FLOW RATES SHALL BE WITHIN TOLERANCES SPECIFIED. EACH AIR INLET OR OUTLET AND HYDRONIC COIL SHALL BE EQUIPPED WITH A MEANS FOR BALANCING.
8. FUNCTIONAL PERFORMANCE TESTING (FPT): THE CCXP SHALL PROVIDE AND EXECUTE WRITTEN PROCEDURES WHICH CLEARLY DESCRIBE THE INDIVIDUAL SYSTEMATIC TEST PROCEDURES, THE EXPECTED SYSTEMS' RESPONSE, ACCEPTANCE CRITERIA FOR EACH PROCEDURE, THE ACTUAL RESPONSE OR FINDINGS AND ANY NOTES. TESTING SHALL AFFIRM OPERATION DURING ACTUAL OR SIMULATED WINTER AND SUMMER CONDITIONS AND DURING FULL OUTSIDE AIR CONDITIONS.
 - A. EQUIPMENT FPT SHALL DEMONSTRATE THE CORRECT INSTALLATION AND OPERATION OF EACH COMPONENT, SYSTEM, AND SYSTEM-TO-SYSTEM INTERTIE RELATIONSHIP. TESTING SHALL INCLUDE ALL MODES AND SEQUENCE OF OPERATIONS, INCLUDING FULL-LOAD, PART-LOAD, EMERGENCY, ALARMS AND LOSS OF POWER.
 - B. CONTROL SYSTEMS SHALL BE TESTED TO ENSURE THAT CONTROL DEVICES, COMPONENTS, EQUIPMENT AND SYSTEMS ARE CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. SEQUENCE OF OPERATION SHALL BE FUNCTIONALLY TESTED TO DOCUMENT THEY OPERATE AS REQUIRED.
 - C. ECONOMIZER SHALL UNDERGO A FUNCTIONAL TEST TO DETERMINE THAT THEY OPERATE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
9. OWNER TRAINING: PROVIDE SYSTEM/EQUIPMENT OVERVIEW (WHAT IT IS, WHAT IT DOES AND WHICH OTHER SYSTEMS AND OR EQUIPMENT DOES IT INTERFACE WITH). REVIEW THE AVAILABLE O&M MATERIALS. REVIEW THE PROJECT RECORD DRAWINGS. PROVIDE HANDS-ON DEMONSTRATION OF ALL NORMAL MAINTENANCE PROCEDURES, NORMAL OPERATING MODES, AND ALL EMERGENCY SHUTDOWN AND START-UP PROCEDURES. INCLUDE WRITTEN DOCUMENTATION THAT ALL THE PREVIOUS HAS BEEN COMPLETED.
10. FINAL COMMISSIONING REPORT: THE CCXP SHALL COMPLETE AND CERTIFY THE RESULTS OF ALL FUNCTIONAL PERFORMANCE TESTS AND THAT THE COMMISSIONING PLAN HAS BEEN FULLY EXECUTED. REPORT SHALL INCLUDE:
 - A. DISPOSITION OF ALL DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED.
 - B. ALL FUNCTIONAL PERFORMANCE TEST PROCEDURES USED DURING THE COMMISSIONING PROCESS INCLUDING CRITERIA FOR TEST ACCEPTANCE, PROVIDED HEREIN FOR REPEATABILITY.
11. BUILDINGS OR PORTIONS THEREOF, SHALL NOT BE CONSIDERED ACCEPTABLE FOR FINAL INSPECTION UNTIL THE CODE OFFICIAL HAS RECEIVED A LETTER OF TRANSMITTAL FROM THE BUILDING OWNER ACKNOWLEDGING RECEIPT OF THE PRELIMINARY COMMISSIONING REPORT. THIS MAY BE ACCOMPLISHED BY SUBMITTING THE COMMISSIONING COMPLIANCE CHECKLIST.
12. THE MECHANICAL CONTRACTOR SHALL NOT BE CONSIDERED SUBSTANTIALLY COMPLETE UNTIL THE PRELIMINARY COMMISSIONING REPORT HAS BEEN APPROVED BY THE ENGINEER.

HVAC ENERGY CODE NOTES

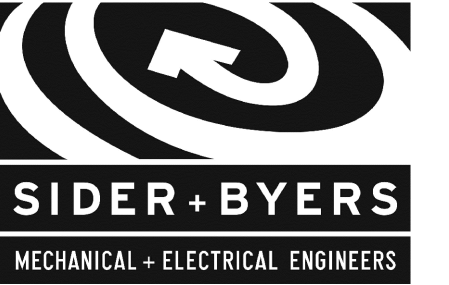
1. SEE SCHEDULES FOR EQUIPMENT TYPE, CAPACITY AND EFFICIENCY. ALL EQUIPMENT SHALL MEET MINIMUM EFFICIENCY PER C403.3.2.
2. THERMOSTATIC CONTROLS IN THE SAME ZONE OR IN NEIGHBORING ZONES CONNECTED BY OPENINGS LARGER THAN 10% OF THE FLOOR AREA OF EITHER ZONE SHALL BE INTERLOCKED TO NOT ALLOW SIMULTANEOUS HEATING AND COOLING.
3. HEAT PUMPS WITH SUPPLEMENTARY ELECTRIC HEAT SHALL INCLUDE MICROPROCESSOR CONTROLS THAT MINIMIZE ELECTRIC HEAT USAGE DURING START-UP, SET-UP, AND DEFROST CONDITIONS. CONTROLS SHALL ANTICIPATE NEED FOR HEAT AND USE COMPRESSION HEATING AS THE FIRST STAGE. CONTROLS SHALL INDICATE WHEN ELECTRIC HEAT IS BEING USED THROUGH VISUAL MEANS. ELECTRIC HEAT SHALL NOT OPERATE ABOVE 40 F OUTSIDE AIR TEMPERATURE.
4. THERMOSTATIC CONTROLS SHALL BE CONFIGURED WITH AT LEAST A 5F DEADBAND BETWEEN HEATING AND COOLING SETPOINTS.
5. THERMOSTATS (OTHER THAN GROUP R) SHALL BE 7-DAY PROGRAMMABLE WITH AUTOMATIC SETBACK CONTROLS SET DOWN TO 55F AND UP TO 85F. CONTROLS SHALL MAINTAIN PROGRAMMING FOR AT LEAST 10 HOURS DURING LOSS OF POWER. CONTROLS SHALL HAVE A MANUAL 2 HR OVERRIDE FOR TEMPORARY OPERATION. CONTROLS SHALL ADJUST THE DAILY START TIME FOR MORNING WARMUP PRIOR TO SCHEDULED OCCUPANCY.
6. PROVIDE AMCA CLASS 1A MOTORIZED CONTROL DAMPERS FOR OUTSIDE AIR INTAKES, EXHAUST OUTLETS, RELIEF OPENINGS, STAIRWAY AND SHAFT VENTS AND RETURN SIDE OF AIRSIDE ECONOMIZERS.
7. AIR-COOLED UNITARY DIRECT-EXPANSION UNITS WITH A COOLING CAPACITY OF 54 MBH OR GREATER THAT ARE EQUIPPED WITH AN ECONOMIZER SHALL INCLUDE FAULT DETECTION AND DIAGNOSTICS (FDD).
8. PROVIDE GAS-FIRED HEATING EQUIPMENT WITH MODULATING OR STAGED COMBUSTION CONTROL FOR ALL EQUIPMENT OVER 225 MBH.
9. THERMOSTATS (GROUP R) SHALL BE 5-2 PROGRAMMABLE SCHEDULE WITH AT LEAST 2 SETBACK PERIODS PER DAY.
10. PROVIDE DUCT, SHAFT AND PLENUM INSULATION PER C403.2.8 AND SPECIFICATION SECTION 23 07 00.
11. SEAL ALL TRANSVERSE AND LONGITUDINAL SEAMS, JOINTS AND CONNECTIONS OF ALL DUCTWORK WITH WELDS, GASKETS OR MASTICS
12. PROVIDE PIPE INSULATION PER ENERGY CODE SECTION C403.2.9 AND SPECIFICATION SECTION 23 07 00.
13. INSULATION EXPOSED TO WEATHER SHALL BE PROTECTED FROM DAMAGE, SUNLIGHT, MOISTURE AND WIND. PROVIDE JACKET AND ALUMINUM COVERS. ADHESIVE TAPE IS NOT PERMITTED.
14. SINGLE FAN OR MULTIPLE FANS IN PARALLEL WITH COMBINED MOTOR NAMEPLATE OVER 5HP SHALL HAVE A FAN EFFICIENCY GRADE (FEG) OF 67 OR HIGHER AND SHALL BE SELECTED TO OPERATE WITHIN 15% OF THE MAXIMUM TOTAL EFFICIENCY OF THE FAN.
15. COOLING SYSTEMS 65 MBH AND GREATER SHALL HAVE TWO SPEED FAN CONTROL OR MODULATING FAN CONTROL.
16. FAN AND PUMP MOTORS 7.5 HP AND GREATER SHALL BE PROVIDED WITH A VFD.
17. ECONOMIZERS SHALL BE INTEGRATED WITH MECHANICAL COOLING AND SHALL BE CAPABLE OF PROVIDING PARTIAL ECONOMIZER COOLING EVEN WHEN ADDITIONAL MECHANICAL COOLING IS REQUIRED.
18. AIR ECONOMIZERS SHALL HAVE FIXED DRY-BULB HIGH-LIMIT SHUTOFF CONTROL NOT TO EXCEED 75 DEG. F.
19. ALL ELECTRIC MOTORS SHALL MEET THE EFFICIENCY REQUIREMENTS OF TABLES C405.8(1) THROUGH C405.8(4).
20. FAN MOTORS 1/12 HP UP TO 1 HP SHALL BE ECM.
21. PROVIDE A MEANS OF BALANCING EVERY AIR INLET AND OUTLET AND EVERY AIR OR WATER TERMINAL DEVICE.
22. ALL PIPE AND DUCT INSULATION SHALL BE LABELLED WITH ITS THICKNESS AND INSULATING VALUE (R OR K).

HVAC GENERAL NOTES

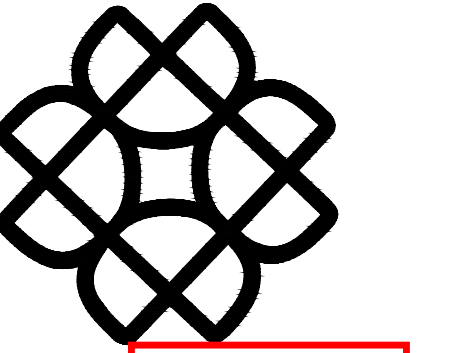
1. THESE PLANS ARE SCHEMATIC AND DO NOT SHOW EXACT ROUTING OR EVERY OFFSET, WHICH MAY BE REQUIRED. THE HVAC CONTRACTOR IS TO COORDINATE WITH ALL OTHER TRADES AND IS TO VERIFY ALL CLEARANCES BEFORE COMMENCING WORK.
2. MATERIALS, METHODS AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE LATEST EDITION OF THE INTERNATIONAL MECHANICAL CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL FIRE CODE AND LOCAL CODES AND ORDINANCES.
3. DUCT CONSTRUCTION AND HANGING SHALL COMPLY WITH THE LATEST IMC AND WITH CURRENT SMACNA STANDARDS.
4. JOINTS OF DUCT SYSTEM SHALL BE SEALED WITH GASKETS OR LISTED MASTIC TYPE DUCT SEALANT.
5. DUCTS SHALL BE INSULATED AS INDICATED ON PLANS TO MEET THE REQUIREMENTS OF THE CURRENT INTERNATIONAL ENERGY CODE AND SPECIFICATION.
6. FLEXIBLE DUCTS SHALL ONLY BE USED WHERE SHOWN AND SHALL NOT EXCEED 6 FT IN LENGTH UNLESS NOTED OTHERWISE.
7. PROVIDE EARTHQUAKE RESTRAINT FOR HVAC EQUIPMENT IN ACCORDANCE WITH THE CURRENT IBC.
8. PIPING PENETRATIONS OF FIRE RATED WALLS OR FLOOR SHALL BE SLEEVED AND FIRE STOPPED WITH LISTED MATERIALS SO AS TO MAINTAIN THE INTEGRITY AND RATING OF THE FLOOR OR WALL.
9. PROVIDE RETURN DUCT SMOKE DETECTOR(S) FOR AUTOMATIC SHUT DOWN OF ALL HEATING OR COOLING EQUIPMENT DELIVERING IN EXCESS OF 2000 CFM IN ACCORDANCE WITH THE CURRENT INTERNATIONAL MECHANICAL CODE. POWER WIRING AND INTERLOCK WIRING WITH THE BUILDING FIRE ALARM SYSTEM IS BY THE ELECTRICAL CONTRACTOR.
10. HVAC EQUIPMENT, VALVES AND DAMPERS SHALL BE LOCATED IN EASILY ACCESSIBLE LOCATIONS, UNLESS SHOWN ON ARCHITECTURAL DRAWINGS. REQUIRED ACCESS PANELS SHALL BE PROVIDED BY THE HVAC CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.
11. HVAC CONTRACTOR MUST COORDINATE WITH LIGHTING FIXTURES PRIOR TO DUCT AND PIPING INSTALLATION.

REFERENCE DESIGN CODES

2018 INTERNATIONAL BUILDING CODE (IBC)
2018 WASHINGTON STATE ENERGY CODE (WSEC)
2018 INTERNATIONAL FIRE CODE (IFC)
2018 INTERNATIONAL MECHANICAL CODE (IMC)
2018 INTERNATIONAL FUEL GAS CODE (IFGC)
2020 NATIONAL ELECTRICAL CODE (NEC)
2018 UNIFORM PLUMBING CODE (UPC)



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed for
2018 Building Code Compliance
Lou Fyler
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98114
phone: 206.329.8300
fax: 206.329.5494

**SNO VALLEY
SENIOR HOUSING**

31845 W COMMERCIAL ST.
CARNATION, WA 98014



Issuance	_____	
BID SET	_____	
Date	_____	
25 JULY 2023	_____	
Revisions	_____	
#	Date	Description
	7.25.23	PERMIT CORRECTIONS

NOTES

Drawn By: _____
NB
Checked By (P.M.): _____
NB
Checked By (O.C.): _____
NB
Project No. _____
21035

FOR SDCl USE ONLY



ELECTRIC HEATER SCHEDULE

MARK	MAKE	MODEL	SERVES	HEAT W	ELEC VOLT / PH	NOTES
EWH-1	KING	PAW 2022	SPRINKLER ROOM	1000	208 / 1	5
EWH-2	KING	PAW 2022	LAUNDRY 1	1000	208 / 1	2
EWH-3	KING	PAW 2022	CORRIDOR 3	1000	208 / 1	2
EWH-4	KING	PAW 2022	STAIRWELL	1000	208 / 1	2
EWH-5	KING	PAW 2022	STAIRWELL	1000	208 / 1	2

NOTES

1. PROVIDE WITH MANUFACTURER'S SEVEN DAY PROGRAMMABLE WALL STAT (FURNISHED BY M.C., INSTALLED BY E.C.)
2. PROVIDE WITH MANUFACTURER'S 24V RELAY WITH TRANSFORMER AND LOW-VOLTAGE THERMOSTAT. SET TO 70F (ADJ.) (FURNISHED & INSTALLED BY M.C.)
3. STAINLESS STEEL CONSTRUCTION AND GRILL
4. PROVIDE WITH MANUFACTURER'S DISCONNECT SWITCH (FURNISHED BY M.C., INSTALLED BY E.C.)
5. INTEGRAL THERMOSTAT. SET TO 55F (ADJ.) FOR FREEZE PROTECTION

SPLIT SYSTEM A/C SCHEDULE

MARK	MAKE	MODEL	INDOOR UNIT												OUTDOOR UNIT												NOTES:					
			SUPPLY			COOLING				HEATING		ELECTRICAL			SOUND PRESS dBA	OP. WT. LBS.	MARK	MAKE	MODEL	COOLING			HEATING			ELECTRICAL			SOUND PRESS dBA	OP. WT. LBS.		
			TOTAL CFM	ESP W.C.	OSA CFM	TOTAL MBH	SENS MBH	EAT DB / WB	OAT DB	ECONO (Y/N)	ECONO EXCEPT	HEATING MBH OUTPUT @24F	OAT	VOLT/PH						MCA	TOTAL MBH	IEER	SEER	TOTAL MBH	COP AT 17 F	COP AT 47 F		VOLT/PH			MCA	MOCP
HP-EMR	TRANE/MITSUBISHI	MSY-GL15NA-U1	420	N/A	N/A	14.0	10.9	75/63	86	N	C403.3.3	N/A	208/1	1	37	25				CU-EMR	TRANE/MITSUBISHI	MUY-GL15NA-U1	15	---	21.6	N/A	---	---	208/1	9	15	NOTE C

NOTES:

1. FACTORY PROVIDED WASHABLE FILTER
2. LOW AMBIENT COOLING TO 0 DEG F.

- A. 7-DAY PROGRAMMABLE T-STAT BY UNIT MANUFACTURER, WALL-MOUNT
- B. PROVIDE WITH BLUE DIAMOND CONDENSATE PUMP (SEE WALL MOUNTED DUCTLESS FAN COIL CONDENSATE PUMP DETAIL)
- C. SEE SPECIFICATIONS AND ELECTRICAL.

ENERGY RECOVERY VENTILATOR SCHEDULE

MARK	SERVES	MAKE	MODEL	TYPE	SUPPLY		EXHAUST		HEAT RECOVERY		ELECTRICAL			WT. LBS	NOISE LEVEL	NOTES
					CFM	ESP	CFM	ESP	MIN. SENSIBLE EFF. AHRI 1060	MCA (W)	MOCP	VOLT/PH				
ERV-1	ENTRY LOBBY AND OFFICES	PANASONIC	FV-10VEC2	INDOOR	100	0.5	100	0.5	70%	(100)	N/A	120 / 1	50	40 DBA	1, 7	
ERV-2	LOUNGE AND LAUNDRY	PANASONIC	FV-10VEC2	INDOOR	100	0.5	100	0.5	70%	(100)	N/A	120 / 1	50	40 DBA	1, 7	
ERV-3	LAUNDRY 3, WASHROOM, CORRIDOR	PANASONIC	FV-10VEC2	INDOOR	100	0.5	100	0.5	70%	(100)	N/A	120 / 1	50	40 DBA	1, 7	
ERV-R	RESIDENCES	PANASONIC	FV-10VEC2	INDOOR	50	0.5	50	0.5	70%	(100)	N/A	120 / 1	50	40 DBA	1, 7	

NOTES:

1. PROVIDE HANGING ISOLATION OR RUBBER IN SHEAR ISOLATORS
2. INTERLOCK WITH RESPECTIVE HEAT PUMP CONTROL SYSTEM - OPERATES DURING OCCUPIED HOURS
3. 24V TRANSFORMER/RELAY PACKAGE
4. INTEGRATED PROGRAMMABLE CONTROLS
5. PROVIDE WITH ERV WALL CONTROL PANEL
6. BUILT IN DAMPERS FOR DEFROST AND RECIRCULATION CYCLING, CLOSED TO OUTSIDE WHEN UNIT IS OFF
7. OPERATES CONTINUOUSLY

50 CFM CONTINUOUS EXHAUST FROM EACH TOILET ROOM THROUGH ERV-R. ERV-R MEETS THE REQUIREMENTS OF WSRC M1505.4.1.4 FOR BALANCED VENTILATION WITH HVI 920 EQUIPMENT. ERV-R UNITS OPERATE CONTINUOUSLY.

AIR QUANTITY MEETS THE REQUIREMENTS OF TABLES M1505.4.3.(1) AND 1505.4.4.1.

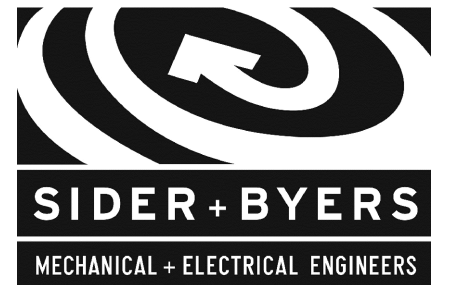
TYPICAL FOR EACH DWELLING UNIT.

FAN SCHEDULE

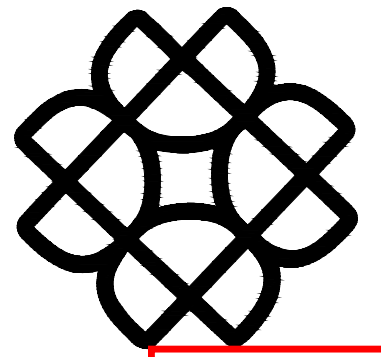
MARK	SERVES	MAKE	MODEL	TYPE	CFM	ESP INCH WC	RPM	HP (WATTS)	ELEC VOLT/PH	WT. LBS	MAX SONES (DBA)	NOTES:
EF-1	JANITORS CLOSET	PANASONIC	FV0511VKS2	CEILING	80	0.25	1130	(10.2)	120 / 1	15	0.4	B, 3, 8
EF-2	LAUNDRY 1	PANASONIC	FV0511VKS2	CEILING	80	0.25	1130	(10.2)	120 / 1	15	0.4	B, 3, 8

NOTES:

- | | | |
|--|---|---|
| <ol style="list-style-type: none"> 1. FAN SPEED CONTROL 2. ALUMINUM BIRDSCREEN 3. BACKDRAFT DAMPER 4. INLET GUARD 5. FACTORY CURB W/ SEAL & LINER, MATCH ROOF SLOPE | <ol style="list-style-type: none"> 6. MOTOR COVER WITH INSULATION 7. SPRING ISOLATION 8. HANGING NEOPRENE ISOLATION 9. HANGING SPRING ISOLATION 10. MOTORIZED SHUTOFF DAMPER | <ol style="list-style-type: none"> A. SWITCHED BY OCCUPANCY SENSOR B. RUNS CONTINUOUSLY C. SWITCHED BY WALL SWITCH (BY E.C.) D. RUNS ON THERMOSTAT (FURNISHED M.C., INSTALLED E.C.) |
|--|---|---|



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed for
2018 Building Code Compliance
Lou Fyler
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
CARNATION, WA 98014



Issuance		
BID SET		
Date	25 JULY 2023	
Revisions		
#	Date	Description
7.25.23		PERMIT CORRECTIONS

SCHEDULES

Drawn By: NB
Checked By (P.M.): NB
Checked By (O.C.): NB
Project No. 21035

FOR SDCI USE ONLY

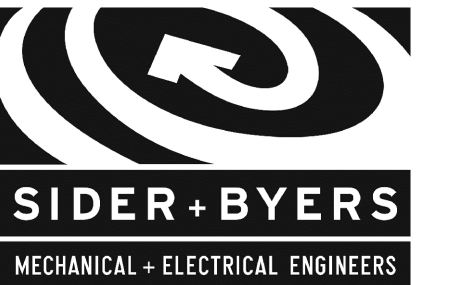
SPLIT SYSTEM HEAT PUMP SCHEDULE

INDOOR UNIT														OUTDOOR UNIT										NOTES	
MARK	MAKE	MODEL	SUPPLY		COOLING				HEATING	ELECTRICAL			SOUND	OP. WT. LBS.	MARK	MAKE	MODEL	COOLING		ELECTRICAL			SOUND		OP. WT. LBS.
			TOTAL CFM	ESP W.C.	TOTAL MBH	SENS MBH	EAT DB / WB	OAT DB	HEATING MBH OUTPUT @ 24F OAT	VOLT/PH	MCA	dBa	TOTAL MBH					SEER	HEATING HSPF AT 47 F	VOLT / PH	MCA	MOCP	dBa		
HP-R-1	TRANE/MITSUBISHI	NTXWPH09B112AA	170	-	9.0	7.0	75 / 63	85	10.9	208 / 230V, 1 PH	1	24	35	CU-R	TRANE/MITSUBISHI	NTXMMX20A122B	18	20	10	208/230V / 1	17.2	20	54	150	4, A
HP-R-2	TRANE/MITSUBISHI	NTXWPH09B112AA	170	-	9.0	7.0	75 / 63	85	10.9	208 / 230V, 1 PH	1	24	35												4, A
HP-1A	TRANE/MITSUBISHI	NTXWPH12B112AA	220	-	12.0	10.0	75 / 63	85	13.6	208 / 230V, 1 PH	1	29	180	CU-1	TRANE/MITSUBISHI	NTXMMX24A122B	24	20		208/230V / 1				150	4, A
HP-1B	TRANE/MITSUBISHI	NTXWPH09B112AA	170	-	9.0	7.0	75 / 63	85	10.9	208 / 230V, 1 PH	1	24	35												4, A
HP-2A	TRANE/MITSUBISHI	NTXWPH09B112AA	160	-	9.0	7.0	75 / 63	85	10.9	208 / 230V, 1 PH	1	24	35	CU-2	TRANE/MITSUBISHI	NTXMMX20A122B	18	20	10	208/230V / 1	17.2	20	54	150	4, A
HP-2B	TRANE/MITSUBISHI	NTXWPH09B112AA	160	-	9.0	7.0	75 / 63	85	10.9	208 / 230V, 1 PH	1	24	35												4, A
HP-EMR	TRANE/MITSUBISHI	NTXWPH12B112AA	150	N/A	12.0	8.0	75/63	85	12.3	208 / 230V, 1 PH	1	25	30	CU-EMR	TRANE/MITSUBISHI	NTXSPB12B112AA	12	26.1	12.0	208/230V / 1	10	15	51	100	4, A

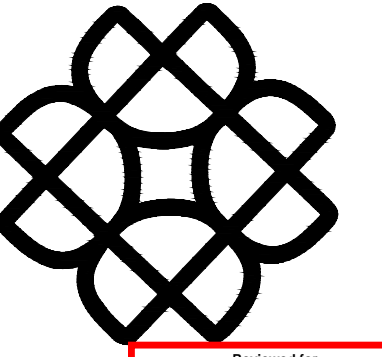
NOTES:

1. MANUFACTURER'S DIGITAL CONTROL SYSTEM.
2. CONTROL POWER SUPPLY UNIT.
3. FACTORY FILTER BOX WITH MERV 8 FILTER.
4. RESILIENT RUBBER MOUNTING AT ALL FAN COIL UNITS INCLUDING WALL MOUNT UNITS.

- A. MANUFACTURER'S WIRING INTERFACE AND THERMOSTAT
- B. PROVIDE WITH BLUE DIAMOND CONDENSATE PUMP



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed for
2018 Building Code Compliance
Lou Fyler
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
CARNATION, WA 98014



Issuance		
BID SET		
Date	25 JULY 2023	
Revisions		
#	Date	Description
7.25.23		PERMIT CORRECTIONS

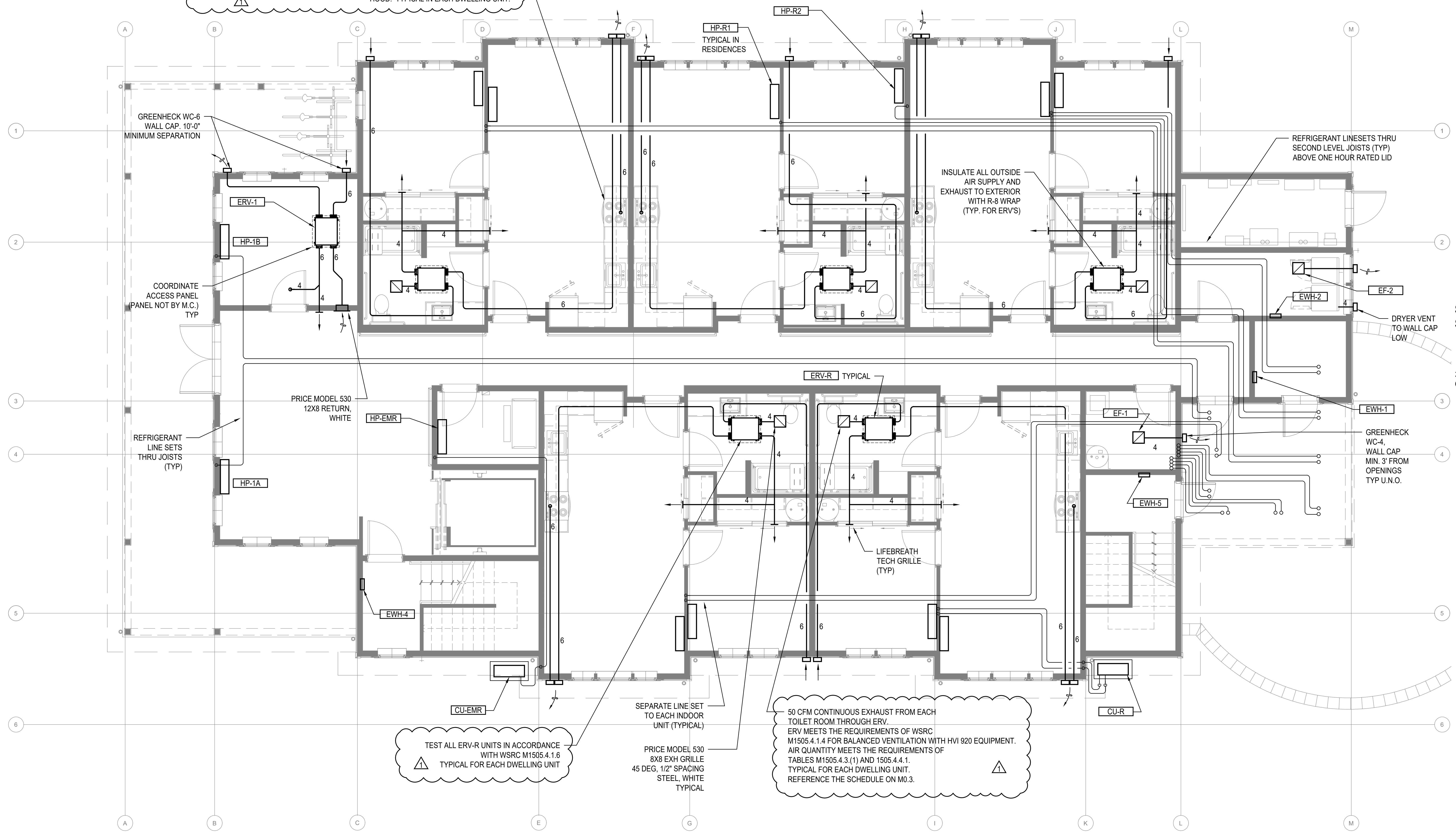
SCHEDULES

Drawn By: NB
Checked By (P.M.): NB
Checked By (O.C.): NB
Project No. 21035

FOR SDCI USE ONLY



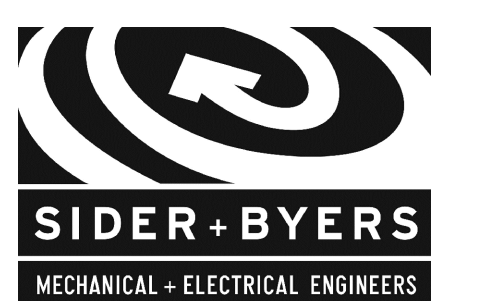
DUCT FROM RANGE HOOD (HOOD NOT BY M.C.) THAT DELIVERS 160 CFM ON DEMAND IN COMPLIANCE WITH WASHINGTON STATE RESIDENTIAL CODE TABLE M1505.4.4. SWITCHED AT HOOD. TYPICAL IN EACH DWELLING UNIT.



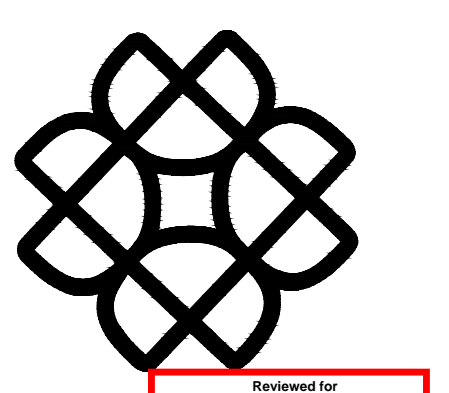
TEST ALL ERV-R UNITS IN ACCORDANCE WITH WSRC M1505.4.1.6 TYPICAL FOR EACH DWELLING UNIT

SEPARATE LINE SET TO EACH INDOOR UNIT (TYPICAL)
PRICE MODEL 530 8X8 EXH GRILLE 45 DEG, 1/2" SPACING STEEL, WHITE TYPICAL

50 CFM CONTINUOUS EXHAUST FROM EACH TOILET ROOM THROUGH ERV. ERV MEETS THE REQUIREMENTS OF WSRC M1505.4.1.4 FOR BALANCED VENTILATION WITH HVI 920 EQUIPMENT. AIR QUANTITY MEETS THE REQUIREMENTS OF TABLES M1505.4.3.(1) AND 1505.4.4.1. TYPICAL FOR EACH DWELLING UNIT. REFERENCE THE SCHEDULE ON M0.3.



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed for
2018 Building Code Compliance
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98114
phone: 206.329.8300
fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
CARNATION, WA 98014



Issuance	BID SET	
Date	25 JULY 2023	
Revisions		
#	Date	Description
	7.25.23	PERMIT CORRECTIONS

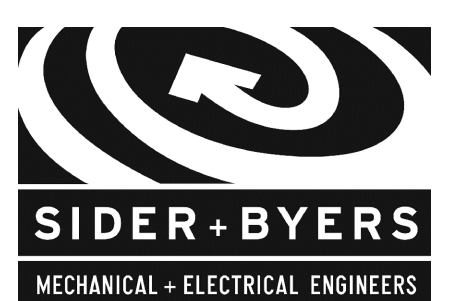
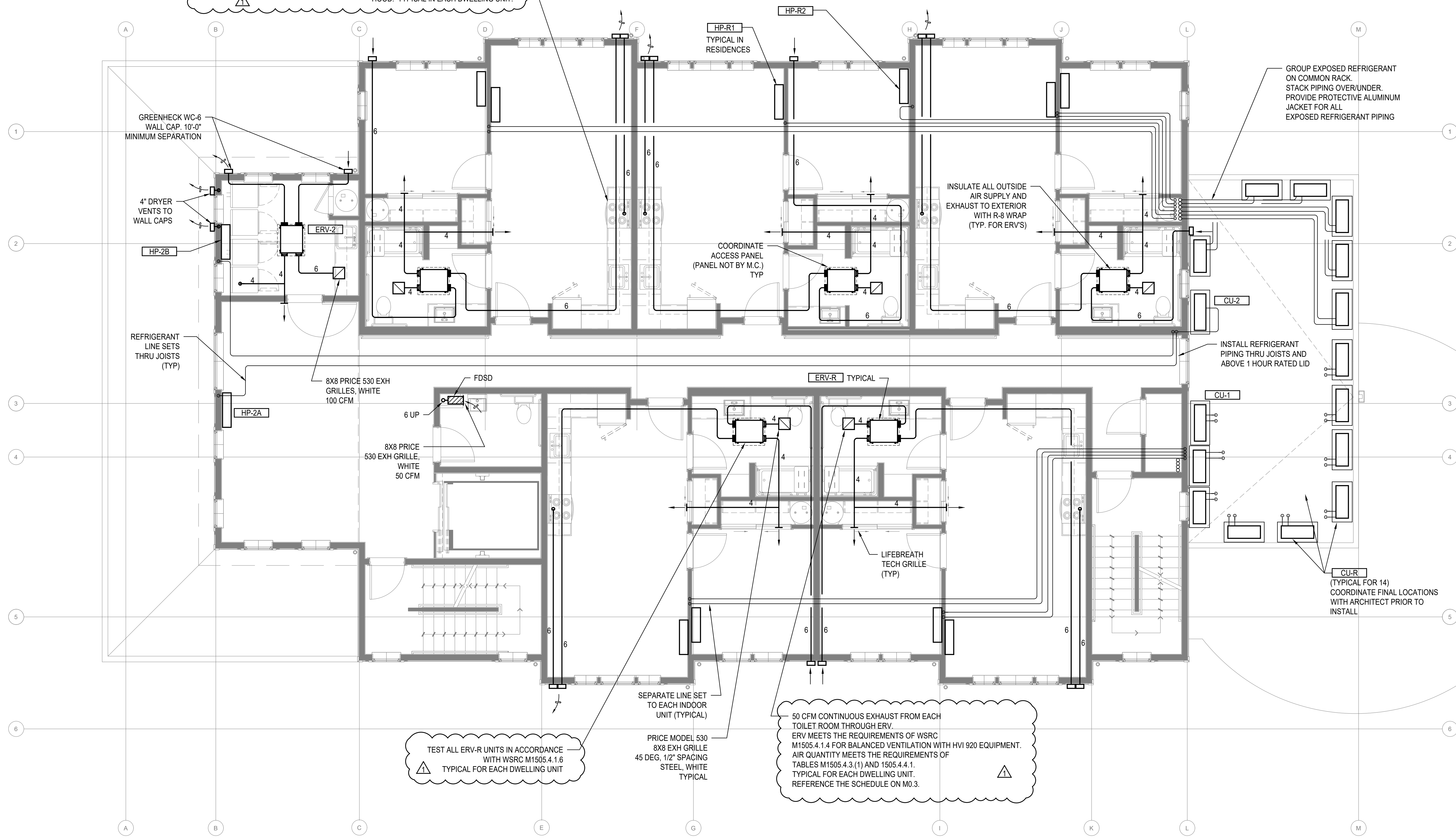
MAIN LEVEL PLAN

Drawn By: NB
Checked By (P.M.): NB
Checked By (O.C.): NB
Project No. 21035

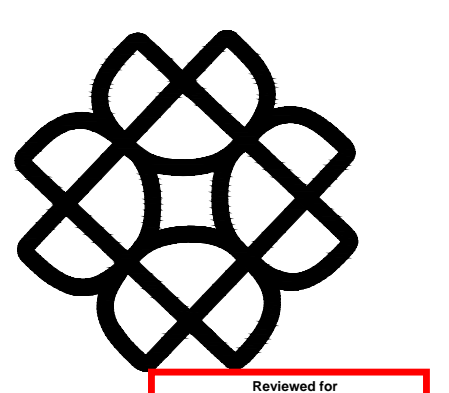
FOR SDCI USE ONLY

MAIN LEVEL PLAN
SCALE: 1/4"=1'-0"

DUCT FROM RANGE HOOD (HOOD NOT BY M.C.) THAT DELIVERS 160 CFM ON DEMAND IN COMPLIANCE WITH WASHINGTON STATE RESIDENTIAL CODE TABLE M1505.4.4. SWITCHED AT HOOD. TYPICAL IN EACH DWELLING UNIT.



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed for
2018 Building Code Compliance
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98114
phone: 206.329.8300
fax: 206.329.5494

**SNO VALLEY
SENIOR HOUSING**

31845 W COMMERCIAL ST.
CARNATION, WA 98014



Issuance		
BID SET		
Date		
25 JULY 2023		
Revisions		
#	Date	Description
7	7.25.23	PERMIT CORRECTIONS

SECOND LEVEL PLAN

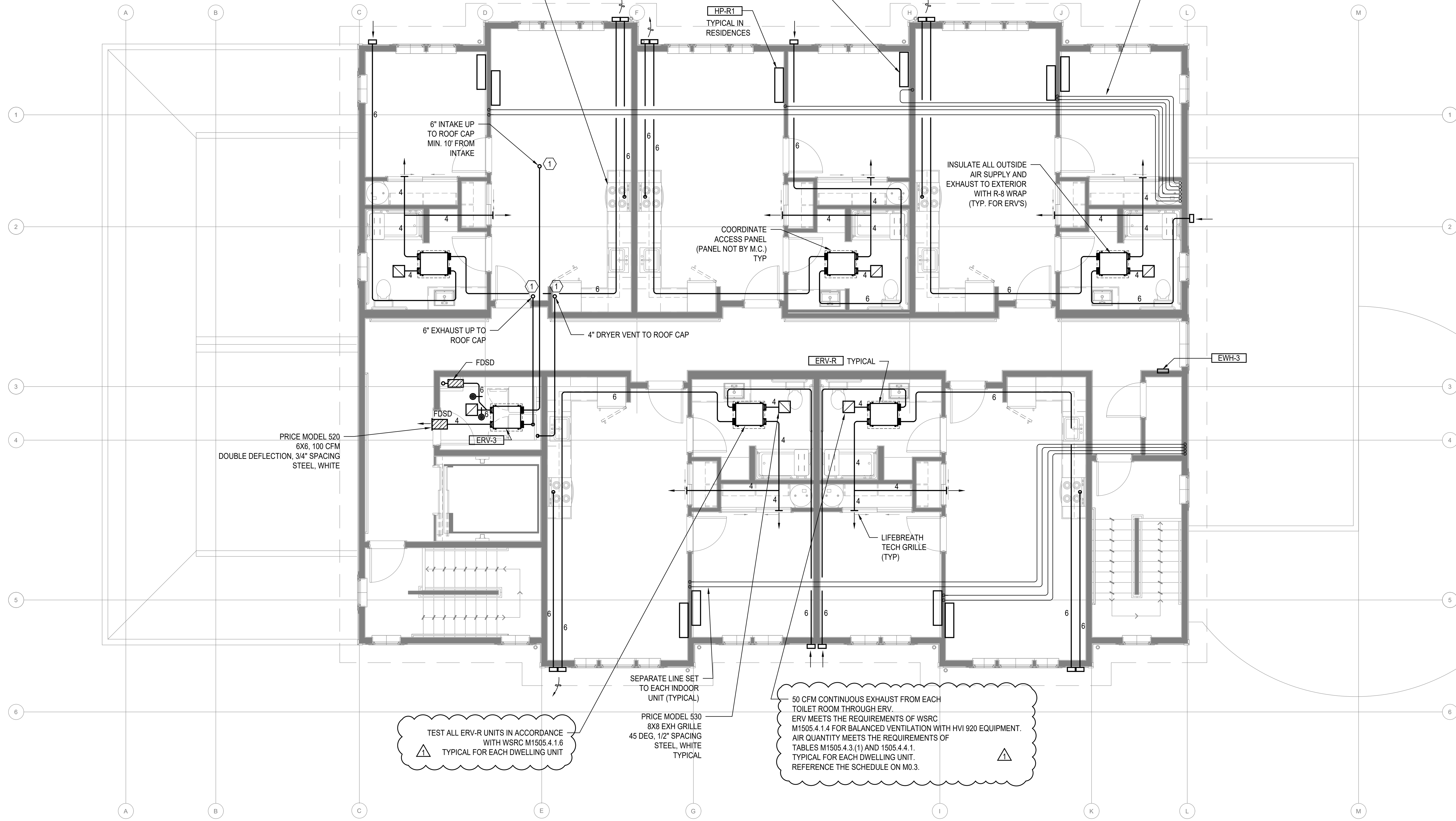
Drawn By:
NB
Checked By (P.M.):
NB
Checked By (O.C.):
NB
Project No.
21035

FOR SDCI USE ONLY

SECOND LEVEL PLAN
SCALE: 1/4"=1'-0"

DUCT FROM RANGE HOOD (HOOD NOT BY M.C.) THAT DELIVERS 160 CFM ON DEMAND IN COMPLIANCE WITH WASHINGTON STATE RESIDENTIAL CODE TABLE M1505.4.4. SWITCHED AT HOOD. TYPICAL IN EACH DWELLING UNIT.

REFRIGERANT LINE SETS THRU JOISTS (TYPICAL)



HP-R1
TYPICAL IN RESIDENCES

HP-R2

6" INTAKE UP TO ROOF CAP
MIN. 10' FROM INTAKE

INSULATE ALL OUTSIDE AIR SUPPLY AND EXHAUST TO EXTERIOR WITH R-8 WRAP (TYP. FOR ERV'S)

COORDINATE ACCESS PANEL (PANEL NOT BY M.C.) TYP

6" EXHAUST UP TO ROOF CAP

4" DRYER VENT TO ROOF CAP

FDS

ERV-R TYPICAL

EW-3

PRICE MODEL 520
6X6, 100 CFM
DOUBLE DEFLECTION, 3/4" SPACING
STEEL, WHITE

ERV-3

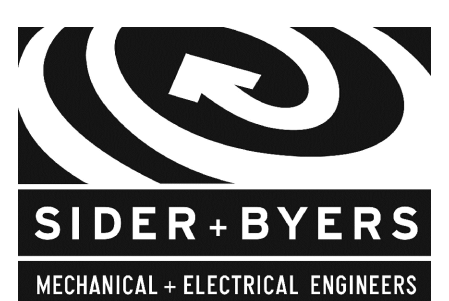
LIFEBREATH TECH GRILLE (TYP)

SEPARATE LINE SET TO EACH INDOOR UNIT (TYPICAL)

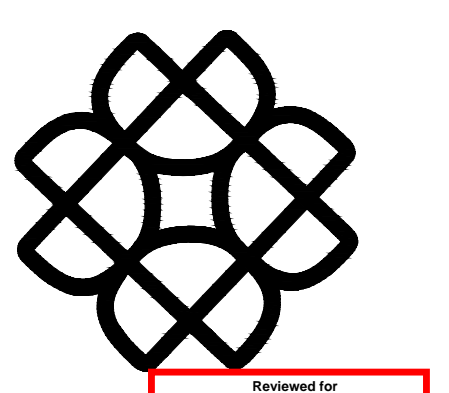
PRICE MODEL 530
8X8 EXH GRILLE
45 DEG, 1/2" SPACING
STEEL, WHITE
TYPICAL

50 CFM CONTINUOUS EXHAUST FROM EACH TOILET ROOM THROUGH ERV.
ERV MEETS THE REQUIREMENTS OF WSRC M1505.4.1.4 FOR BALANCED VENTILATION WITH HVI 920 EQUIPMENT. AIR QUANTITY MEETS THE REQUIREMENTS OF TABLES M1505.4.3.(1) AND 1505.4.4.1. TYPICAL FOR EACH DWELLING UNIT. REFERENCE THE SCHEDULE ON M0.3.

TEST ALL ERV-R UNITS IN ACCORDANCE WITH WSRC M1505.4.1.6 TYPICAL FOR EACH DWELLING UNIT



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed for
2018 Building Code Compliance
8/17/23
Building Plan Review by
Lou Flynn
402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
CARNATION, WA 98014



Issuance	BID SET	
Date	25 JULY 2023	
Revisions		
#	Date	Description
1	7.25.23	PERMIT CORRECTIONS

THIRD LEVEL PLAN

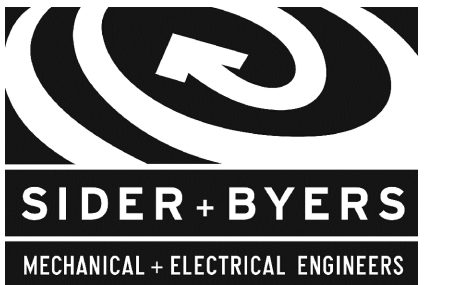
Drawn By: NB
Checked By (P.M.): NB
Checked By (O.C.): NB
Project No. 21035

FOR SDCI USE ONLY

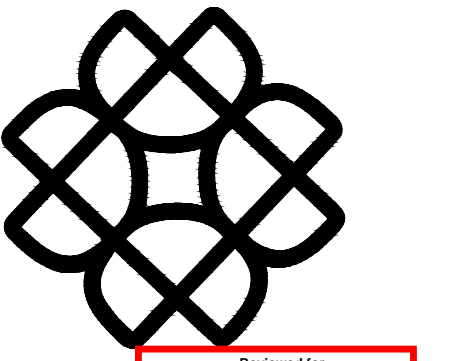
THIRD LEVEL PLAN
SCALE: 1/4"=1'-0"

FLAG NOTES:

- 1 COORDINATE DRYER AND ERV-3 DUCTWORK THRU RAFTERS. RATED ENCLOSURE AROUND DUCTWORK TO PRESERVE RATED CEILING LID. RATED ENCLOSURE NOT BY M.C.



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed for
2018 Building Code Compliance
Lou Flynn
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98114
phone: 206.329.8300
fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
CARNATION, WA 98014

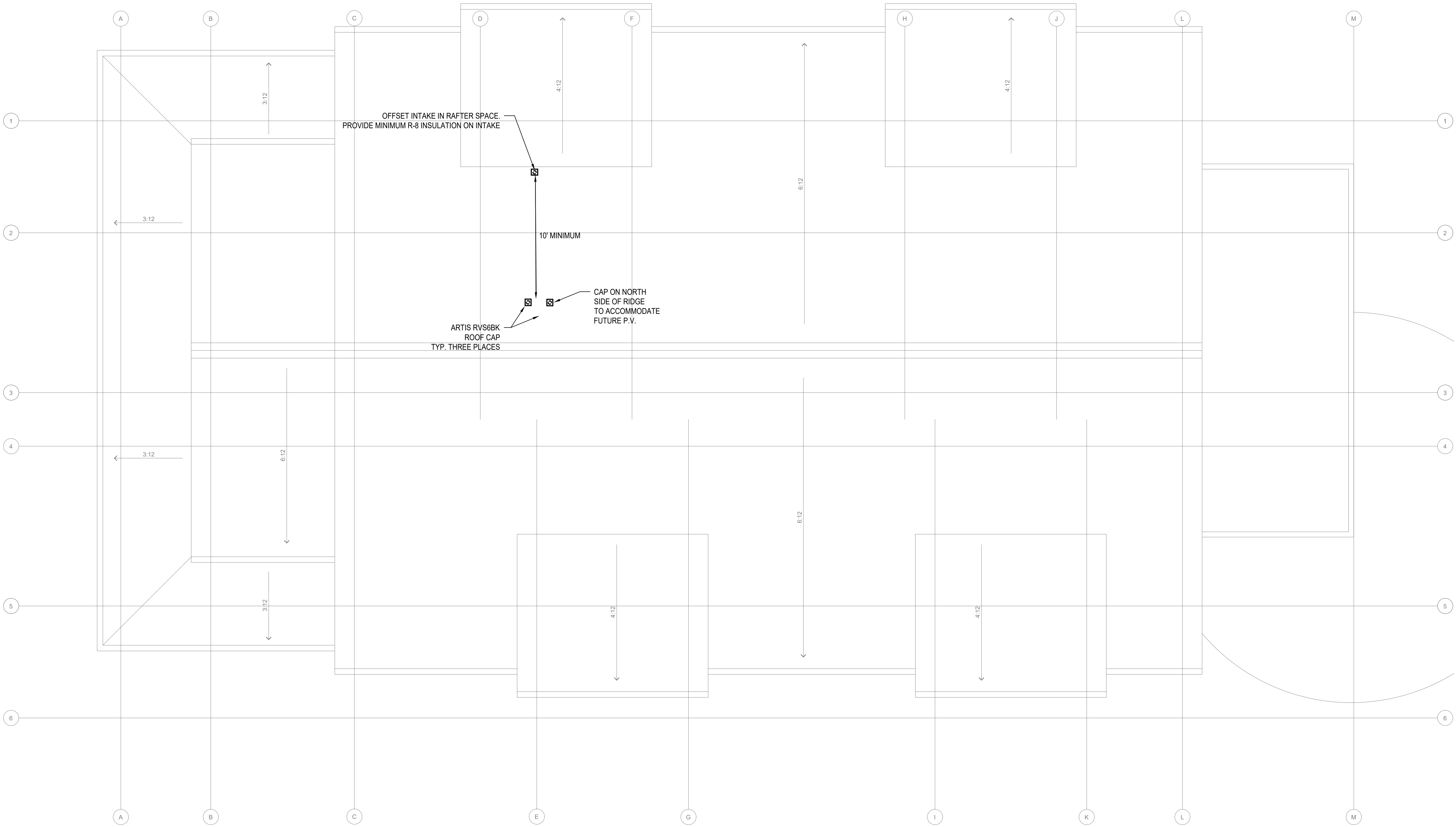


Issuance		
BID SET		
Date	25 JULY 2023	
Revisions		
#	Date	Description
7.25.23		PERMIT CORRECTIONS

ROOF PLAN

Drawn By: NB
 Checked By (P.M.): NB
 Checked By (O.C.): NB
 Project No. 21035

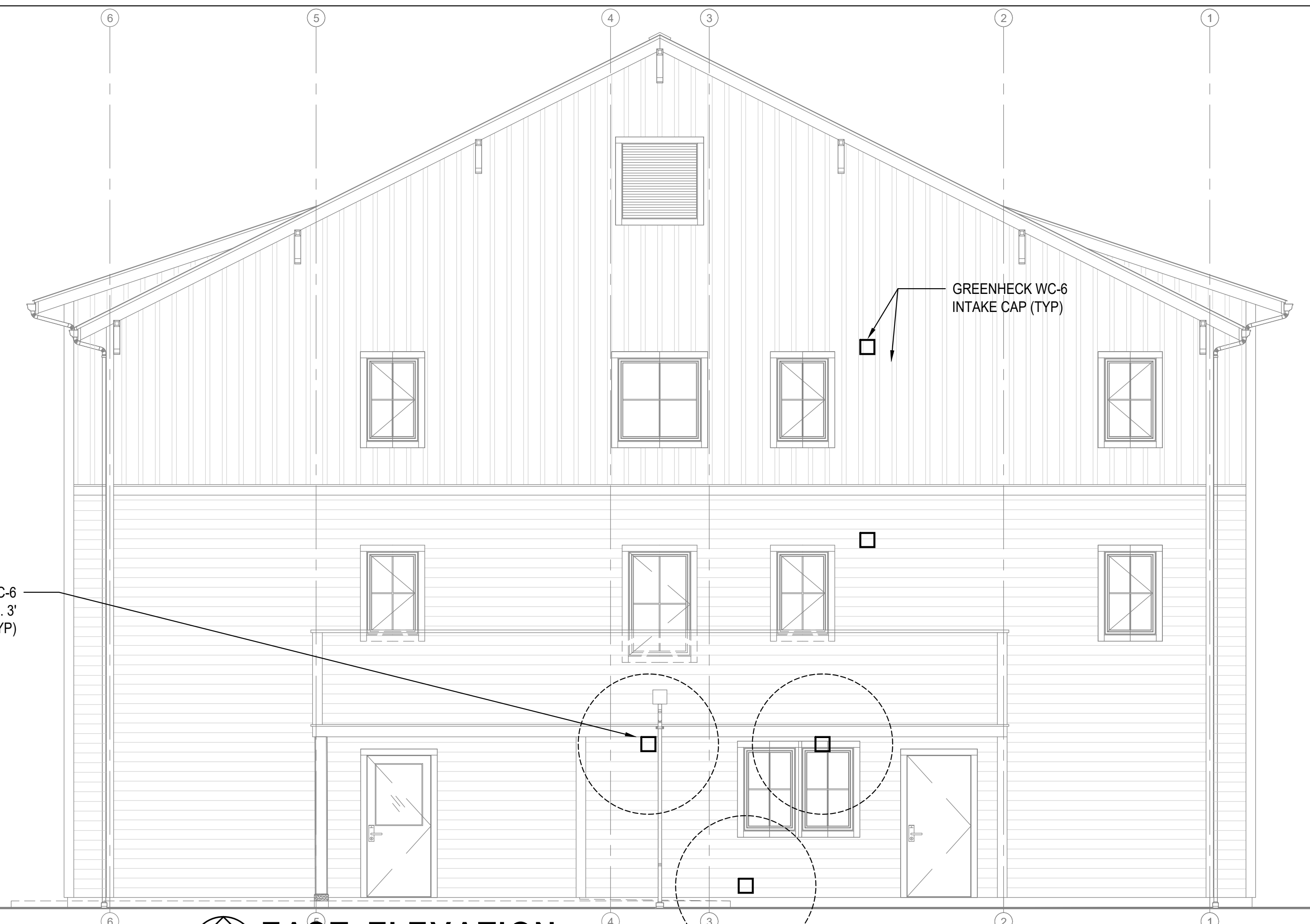
FOR SDCI USE ONLY



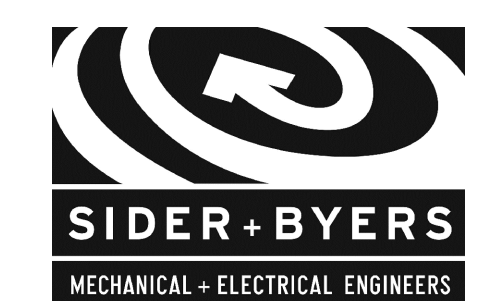
ROOF PLAN
SCALE: 1/4"=1'-0"



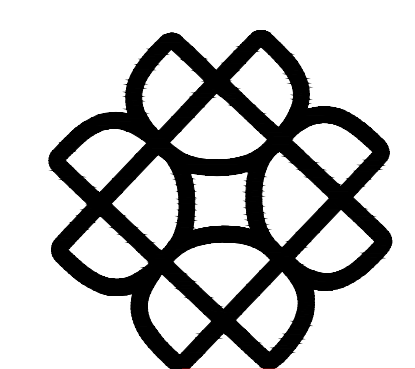
NORTH ELEVATION
SCALE: 1/4"=1'-0"



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



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed for
2018 Building Code Compliance
Lou Flynn
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

**SNO VALLEY
SENIOR HOUSING**

31845 W COMMERCIAL ST.
CARNATION, WA 98014



Issuance		
BID SET		
Date		
25 JULY 2023		
Revisions		
#	Date	Description
7.25.23		PERMIT CORRECTIONS

ELEVATIONS

Drawn By: NB
Checked By (P.M.): NB
Checked By (O.C.): NB
Project No. 21035

FOR SDCl USE ONLY

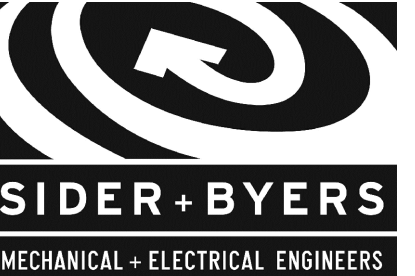




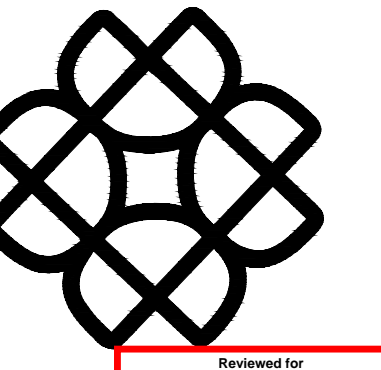
SOUTH ELEVATION
SCALE: 1/4"=1'-0"

GREENHECK WC-6
INTAKE CAPS (TYP)

GREENHECK WC-6
EXHAUST CAPS WITH MIN. 3'
CLEARANCE TO OPERABLE
WINDOW (TYP)



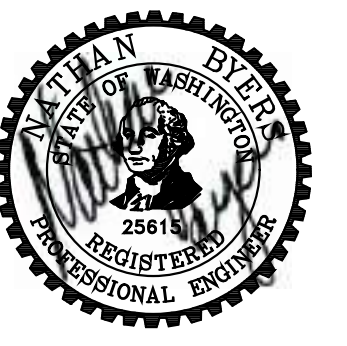
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed for
2018 Building Code Compliance
Lou Flynn
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

**SNO VALLEY
SENIOR HOUSING**

31845 W COMMERCIAL ST.
CARNATION, WA 98014

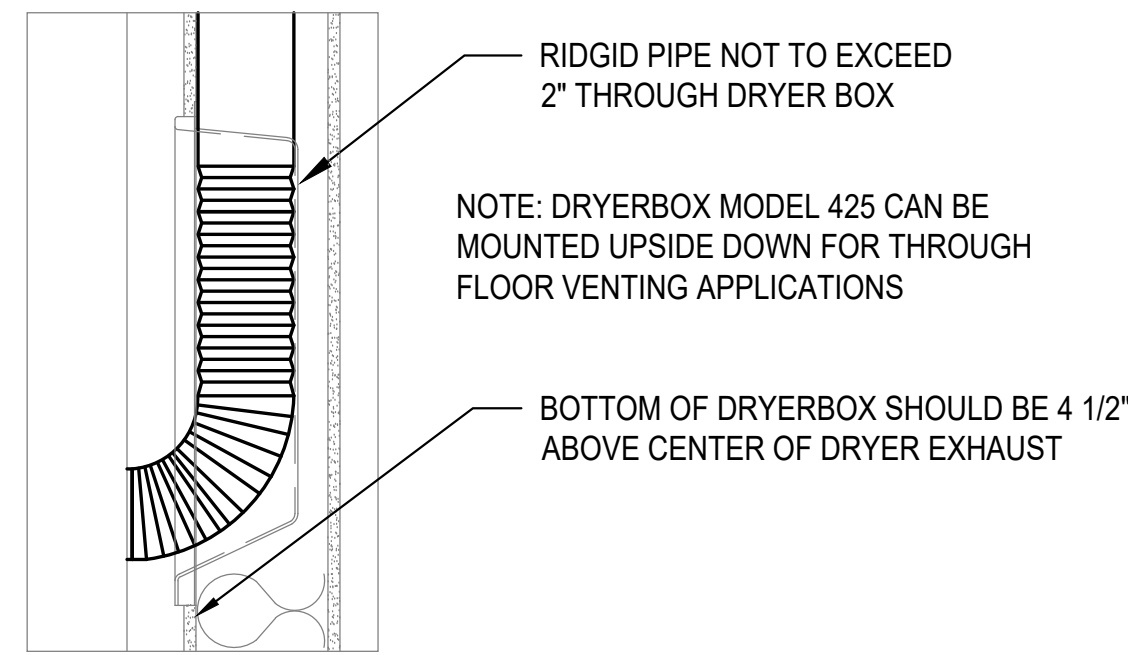


Issuance		
BID SET		
Date		
25 JULY 2023		
Revisions		
#	Date	Description
7.25.23		PERMIT CORRECTIONS

ELEVATIONS

Drawn By:
NB
Checked By (P.M.):
NB
Checked By (O.C.):
NB
Project No.
21035

FOR SDCI USE ONLY

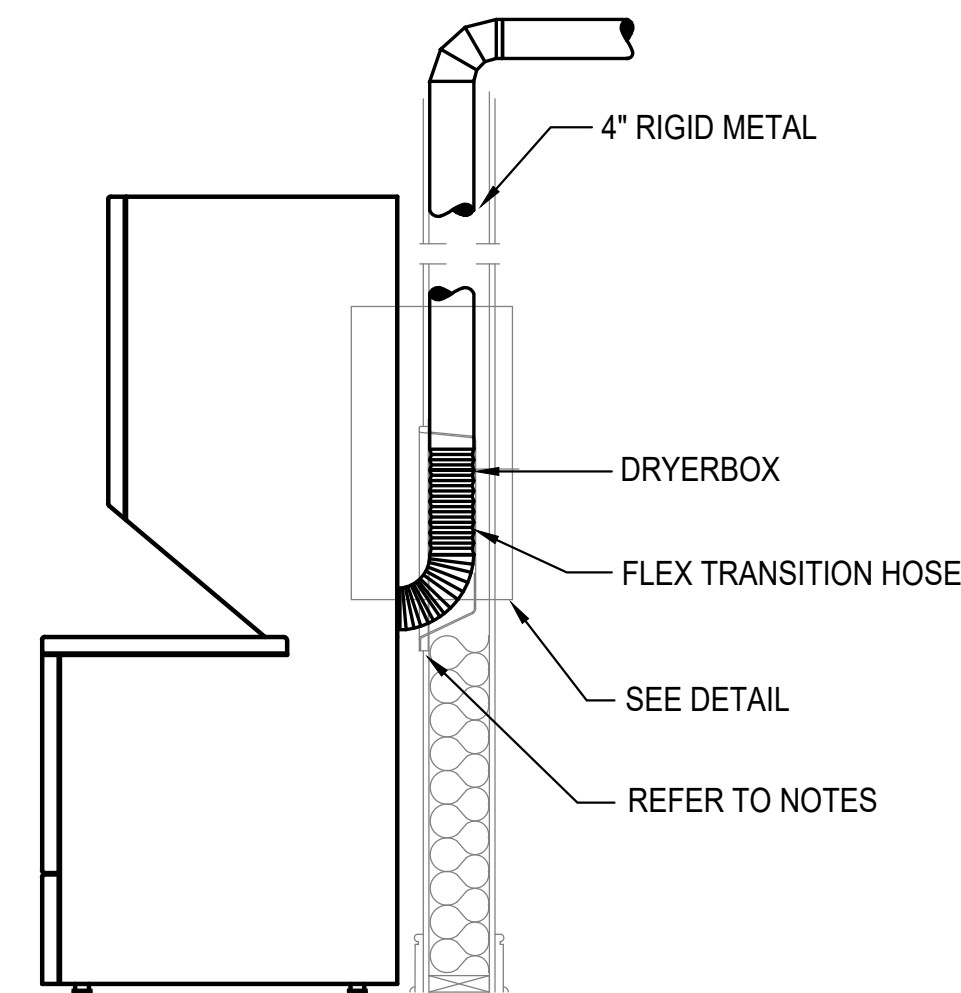


DRYERBOX INSTALLATION

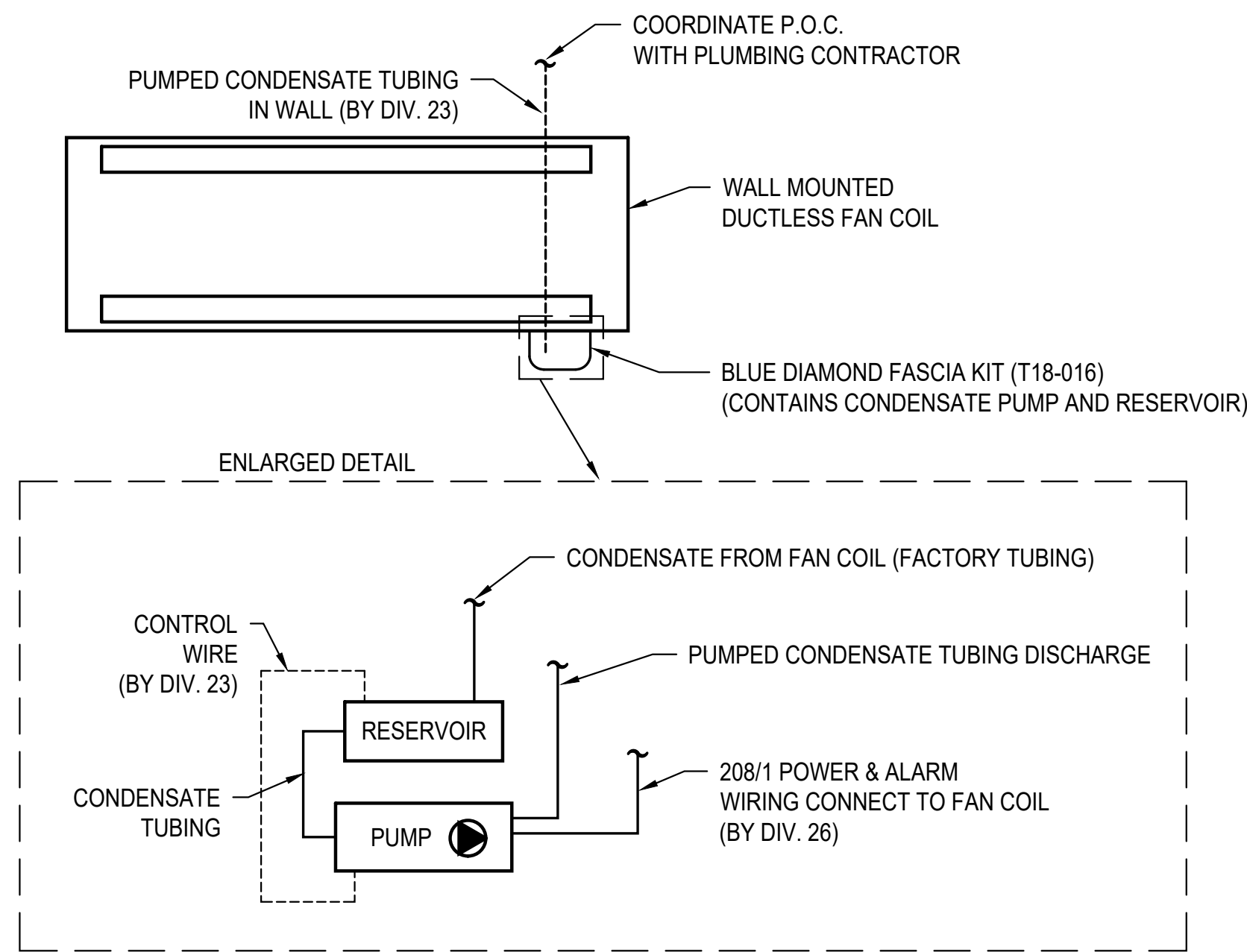
DRYER VENTING: MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR RUNNING ALL DUCTWORK FOR THE DRYER EXHAUST SYSTEM. ALL CONCEALED DRYER DUCTING MUST BE RIGID METAL (GALVANIZED OR ALUMINUM) MINIMUM OF 4" IN DIAMETER, SMOOTH 30 GA. CLEAN, UNOBSTRUCTED, FRICTIONLESS DUCTS (NO FLEXIBLE DUCT ALLOWED IN CONCEALED AREAS). SEAL ALL JOINTS WITH FOIL BACKED PRESSURE SENSITIVE DUCT TAPE MEETING THE REQUIREMENTS OF UL 181. DUCT JOINTS SHALL BE INSTALLED SO THAT THE MALE END OF THE DUCT POINTS IN THE DIRECTION OF THE AIRFLOW. DO NOT USE RIVETS OR SCREWS IN THE JOINTS OR ANYWHERE ELSE IN THE DUCT AS THESE WILL ENCOURAGE LINT COLLECTION.

DRYERBOX® RECEPTACLE (WWW.DRYERBOX.COM) SHALL BE METAL AND BE INSTALLED AS LOW AS POSSIBLE AS TO PERMIT THE PROPER AND SAFE COLLECTION OF THE DRYER TRANSITION HOSE. DRYERBOX SHOULD BE RESTING ON THE BOTTOM PLATE AND BE LOCATED AT OR NEAR THE CENTERLINE OF THE PROPOSED DRYER APPLIANCE. RIGID DUCT SHOULD PENETRATE DRYERBOX PORT 2 INCHES TO PROVIDE FOR FUTURE CONNECTION AND STORAGE OF TRANSITION HOSE. BASEBOARD SHALL BE "BUTTED" UP TO THE FIXED EXTENSION RIM AND SLIGHTLY BACK-CUT. DRYERBOX SHOULD BE CAULKED AND THEN PAINTED WITH THE TRIM PAINT. FOR USAGE IN A ONE-HOUR WALL ASSEMBLY, UL REQUIRES THAT BATT INSULATION BE STUFFED AROUND THE DRYERBOX AND IN THE ENTIRE WALL CAVITY CELL.

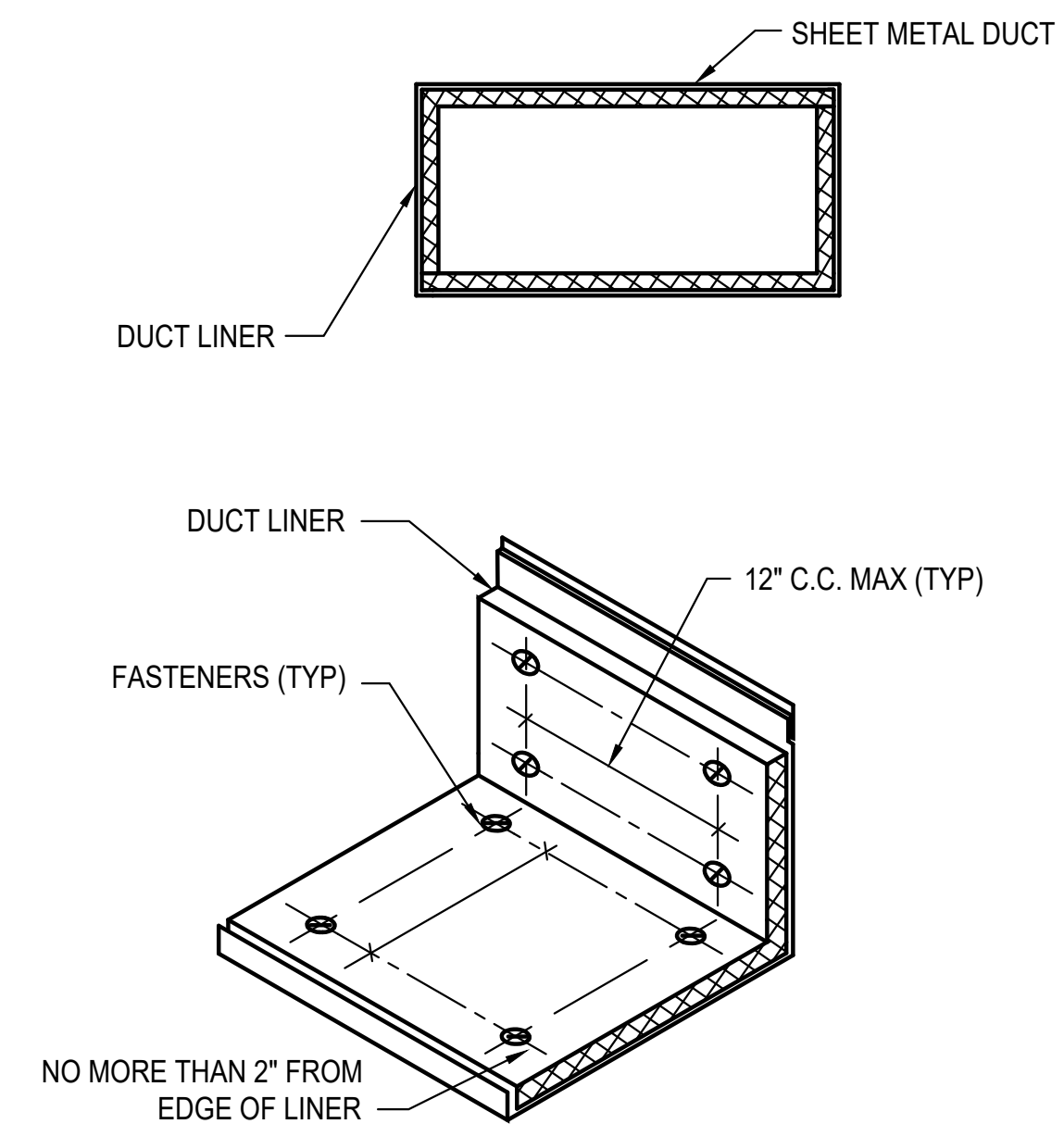
LENGTH OF CONCEALED RIGID METAL DUCTING SHALL NOT EXCEED 25 FEET. DEDUCT 5 FEET FROM THE ALLOWABLE LENGTH FOR EVERY 3.5" RADIUS 90 DEGREE ELBOW AND TWO AND A HALF FEET FOR EVERY 45 DEGREE FITTING. DRYER VENTING SHALL BE INDEPENDENT OF ANY OTHER SYSTEMS (CHIMNEYS OR EXHAUST VENTS). TERMINATION OF DRYER VENTING MUST BE TO THE EXTERIOR WITH A PROPER HOOD OR ROOF JACK EQUIPPED WITH A BACK-DRAFT DAMPER. SMALL ORIFICE METAL SCREENING SHOULD NOT BE PART OF THE HOOD OR ROOF JACK AS THIS WILL ACCELERATE LINT ACCUMULATION AND BLOCKAGE. THE HOOD OPENING SHOULD POINT DOWN AND EXHIBIT 12 INCHES OF CLEARANCE BETWEEN THE BOTTOM OF THE HOOD AND THE GROUND OR OTHER OBSTRUCTION. VERIFY MANUFACTURER'S RECOMMENDATIONS FOR ANY OTHER FACTORS.



1 DRYER VENT WALL BOX
M4.1 N.T.S.

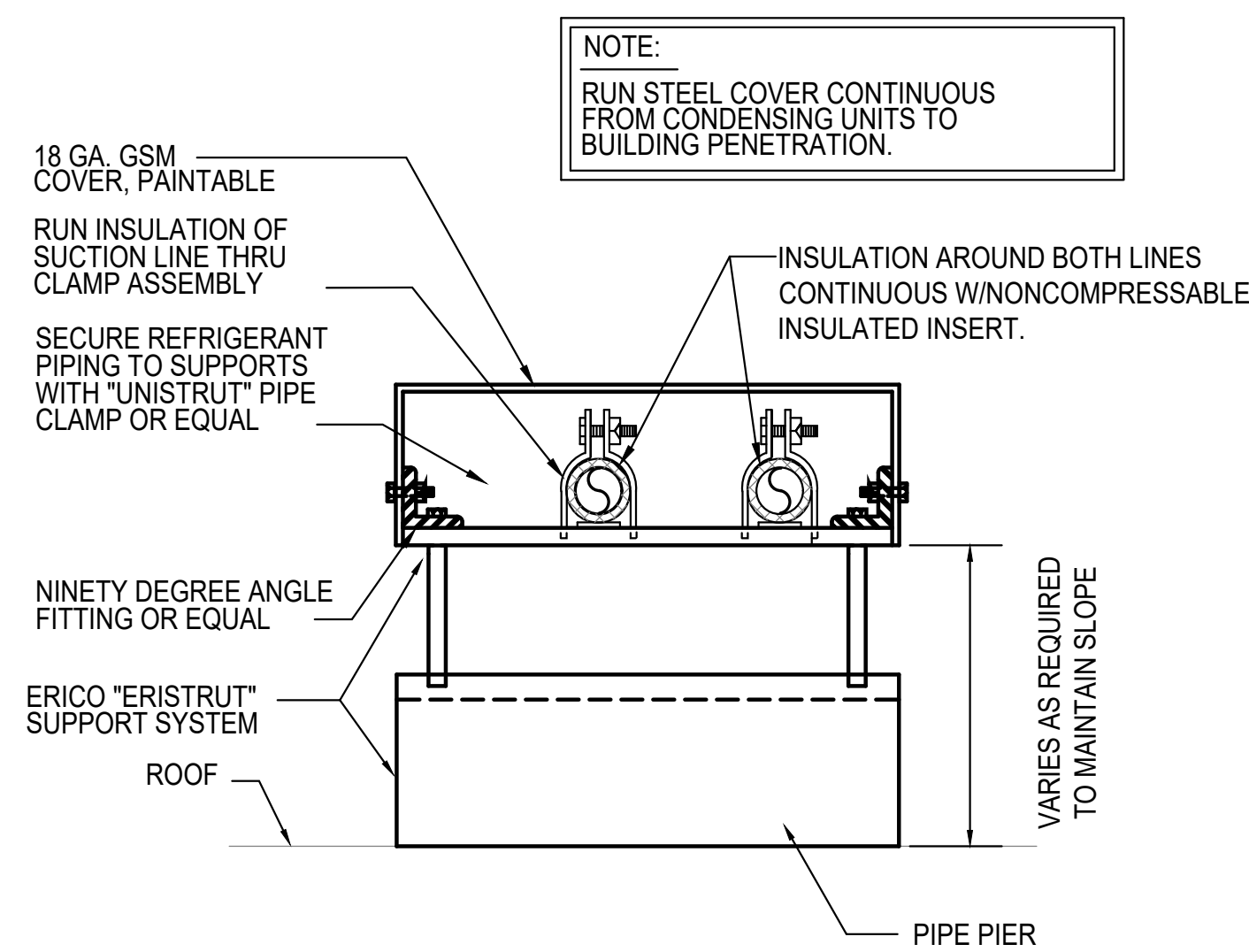


2 WALL MOUNTED DUCTLESS FAN COIL CONDENSATE PUMP (FASCIA)
M4.1 N.T.S.



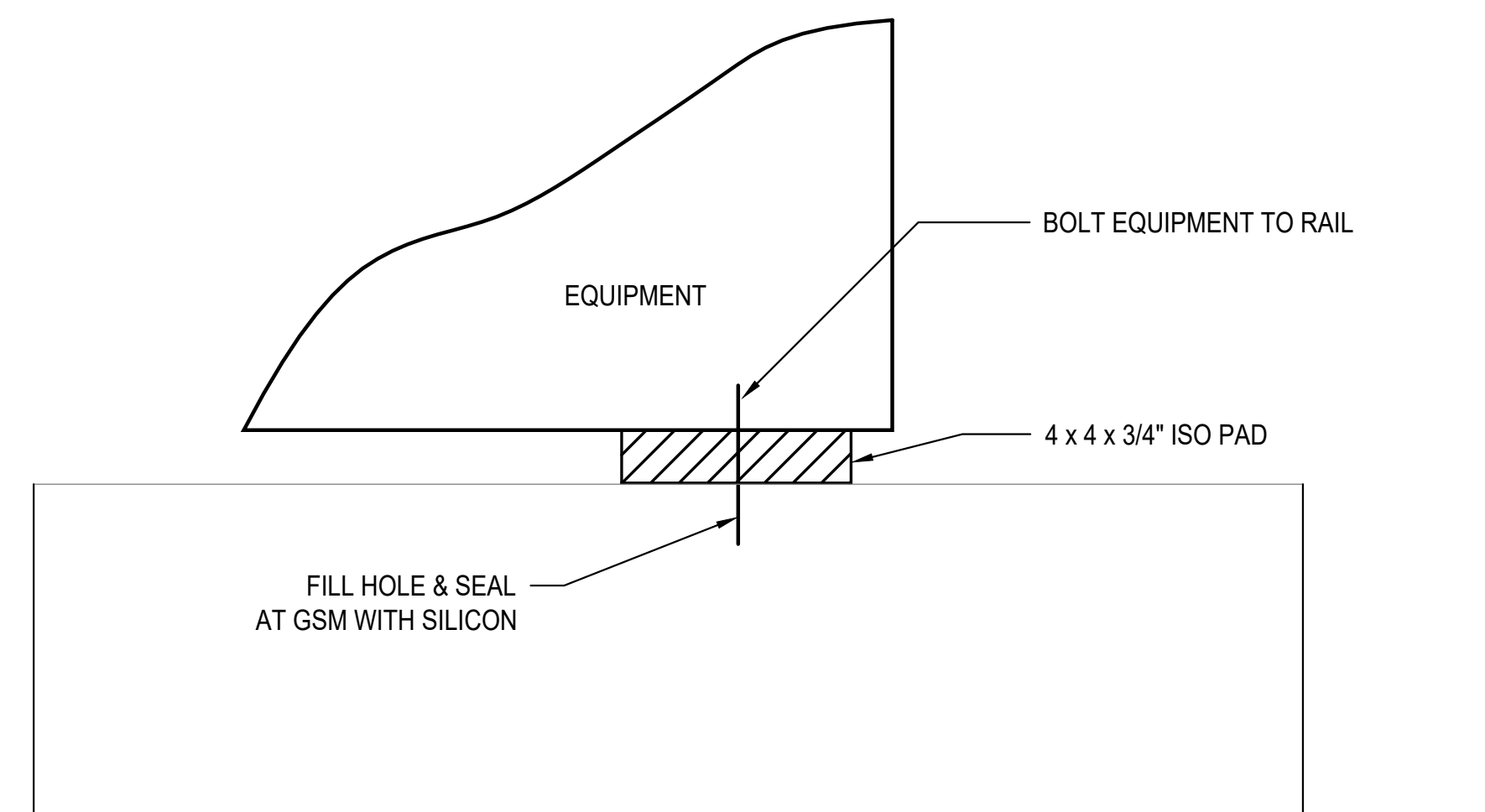
NOTES:
1. PROVIDE S/M NOSING AT EXPOSED EDGES OF INSULATION.
2. ALL TRANSVERSE AND LONGITUDINAL ENDS OF LINER TO BE COATED WITH ADHESIVE.

3 DUCT LINER DETAIL
M4.1 N.T.S.



NOTE:
PROVIDE ADDITIONAL WIDTH ON PIPE SUPPORT FOR ELEC. CONDUIT(S) AND CONTROL CONDUIT(S). COORDINATE WITH ELECTRIC AND CONTROL CONTRACTORS.

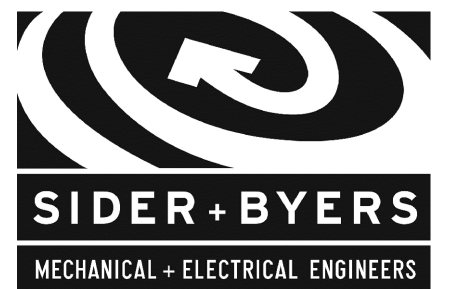
4 REFRIGERANT PIPE SUPPORT
M4.1 N.T.S.



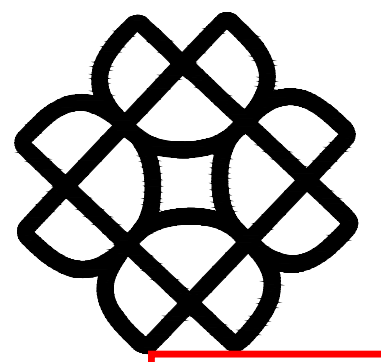
DETAIL TYPICAL FOR CONDENSING UNIT SUPPORT.

5 RAIL SUPPORT DETAIL
M4.1 Scale: NONE

NOTE:
MECH. CONTRACTOR TO HIRE THIRD PARTY STRUCTURAL ENGINEER TO PROVIDE EXACT NUMBER AND SIZE OF BOLTS/FASTENERS AND PROVIDE EQUIPMENT SEISMIC CALCULATIONS.



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed for
2018 Building Code Compliance
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
CARNATION, WA 98014

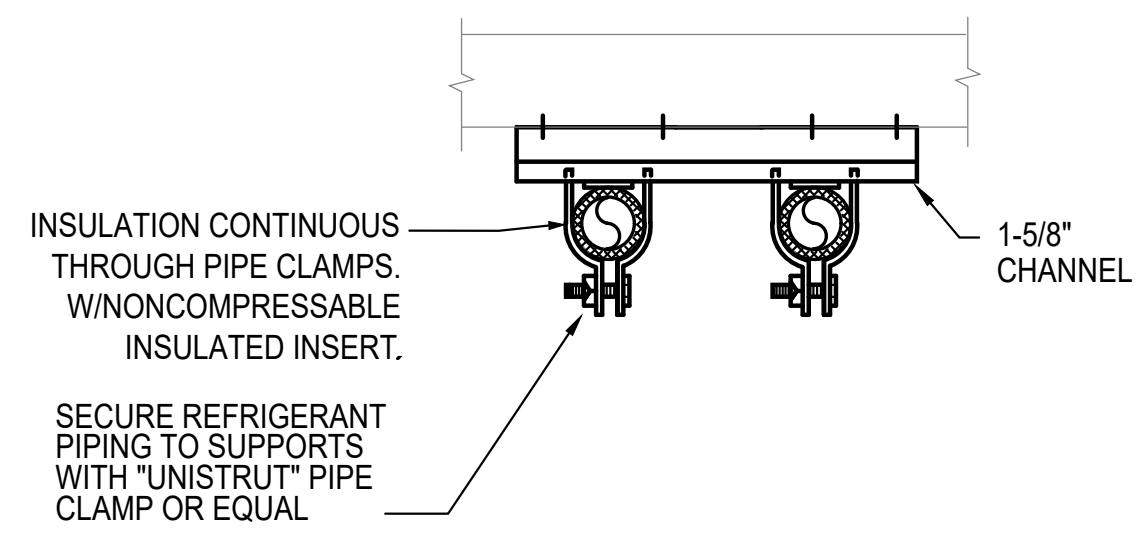


Issuance		
BID SET		
Date	25 JULY 2023	
Revisions		
#	Date	Description
7.25.23		PERMIT CORRECTIONS

DETAILS

Drawn By:	NB
Checked By (P.M.):	NB
Checked By (O.C.):	NB
Project No.	21035

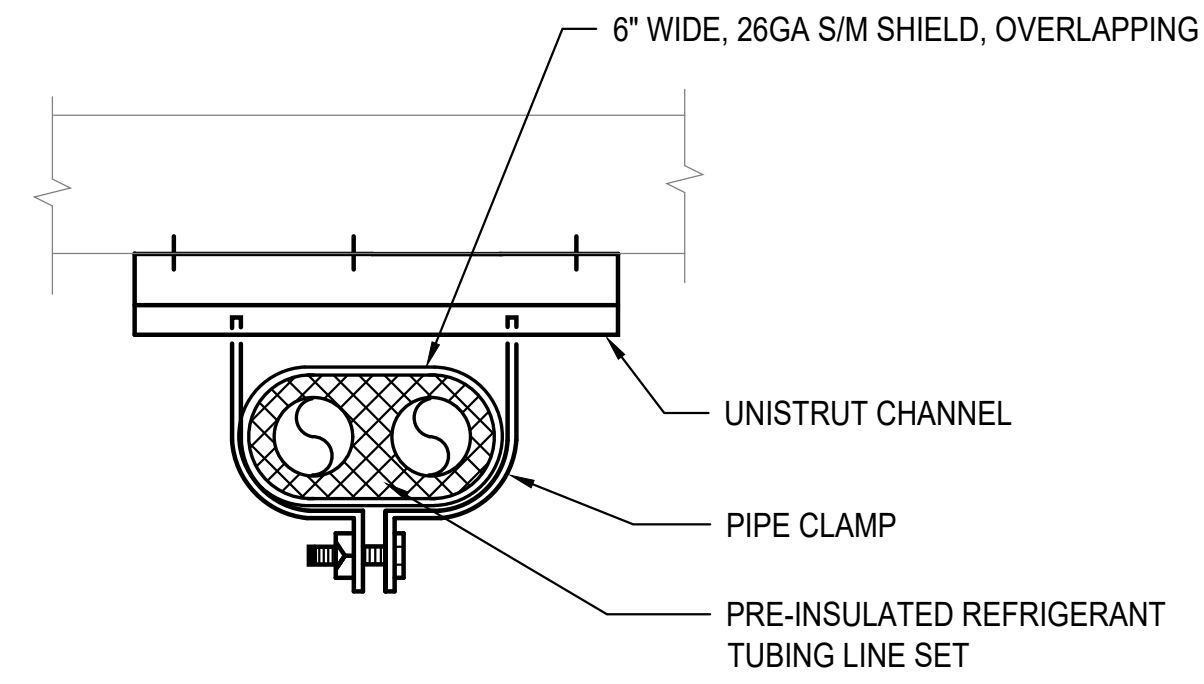
FOR SDCl USE ONLY



NOTE:
QUANTITY OF PIPES SHOWN REPRESENTATIVE ONLY, PROVIDE QUANTITY OF PIPES REQUIRED.

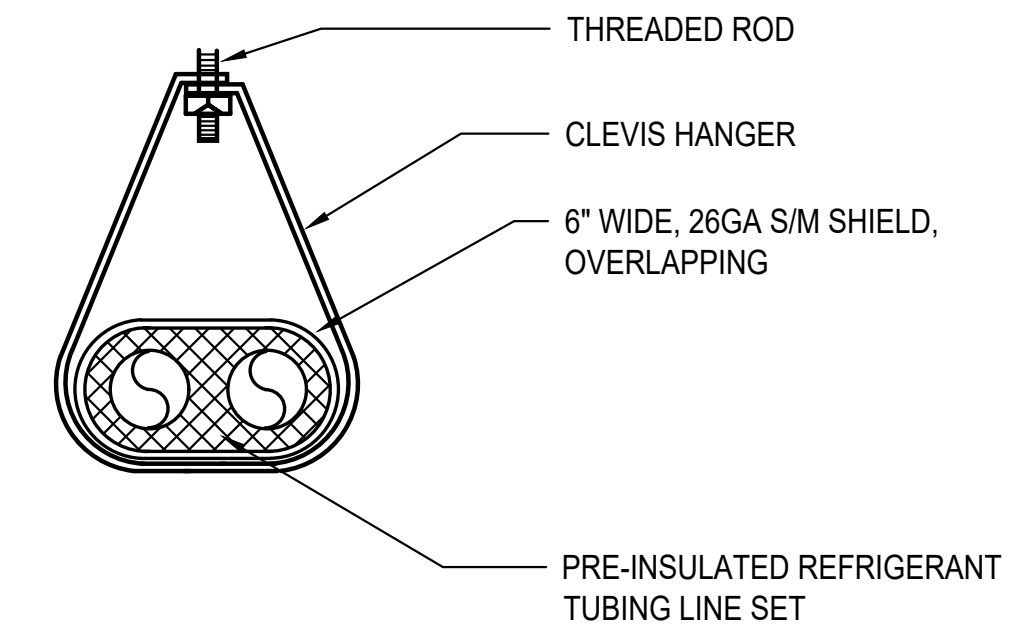
**REFRIGERANT
PIPE SUPPORT**

1
M4.2 N.T.S.



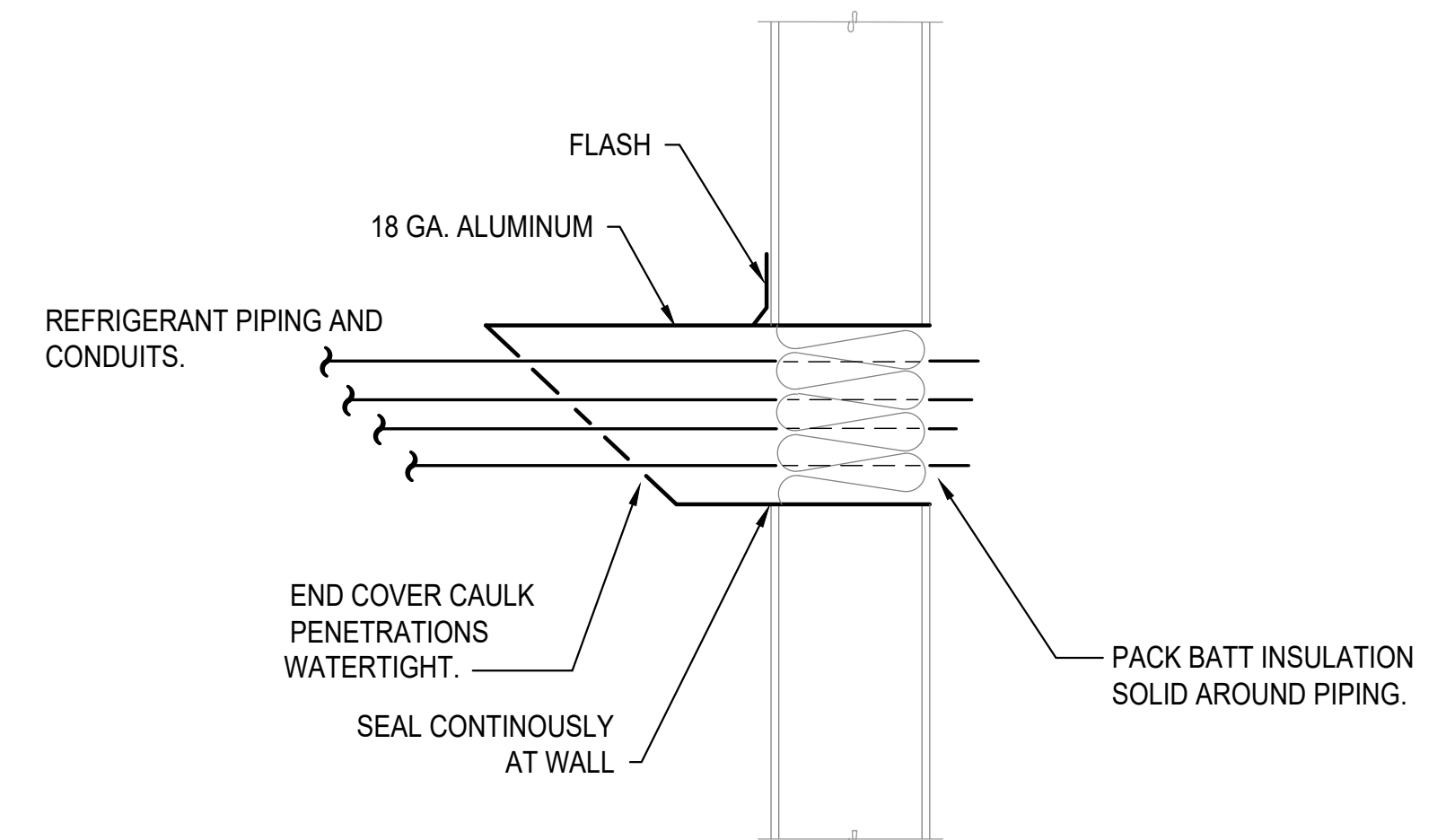
**REFRIGERANT
PIPE SUPPORT**

2
M4.2 N.T.S.



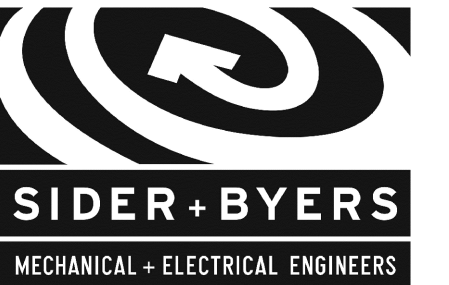
**REFRIGERANT
PIPE SUPPORT**

3
M4.2 N.T.S.

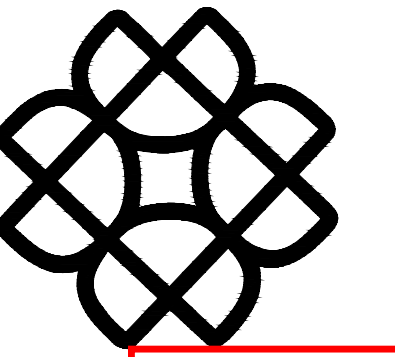


4 WALL PIPE PENETRATION

M4.2 N.T.S.



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed for
2018 Building Code Compliance
Lou Flynn
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98114
phone: 206.329.8300
fax: 206.329.5494

**SNO VALLEY
SENIOR HOUSING**

31845 W COMMERCIAL ST.
CARNATION, WA 98014



Issuance		
BID SET		
Date	25 JULY 2023	
Revisions		
#	Date	Description
7.25.23		PERMIT CORRECTIONS

DETAILS

Drawn By:
NB
Checked By (P.M.):
NB
Checked By (O.C.):
NB
Project No.
21035

FOR SDCI USE ONLY

PLUMBING SHEET LIST	
P0.01	COVER SHEET
P0.02	NOTES AND SCHEDULES
P0.03	NOTES AND SCHEDULES
P2.1	FOUNDATION PLAN
P2.2	MAIN LEVEL PLAN
P2.3	SECOND LEVEL PLAN
P2.4	THIRD LEVEL PLAN
P2.5	ROOF PLAN
P3.1	DETAILS
P3.2	DETAILS
P3.3	DETAILS
P3.4	DETAILS
P3.5	DETAILS
P4.1	WASTE RISER
P4.2	WASTE RISER
P4.3	WATER RISER

PLUMBING CALCULATIONS		2018 UPC PLUMBING CODE					
FIXTURE	QTY	DOMESTIC WATER WSFU			SEWER DFU		
		PER FIXTURE	TOTAL	HW PER FIXTURE	TOTAL	PER FIXTURE	TOTAL
Private Tank Water Closet	15	2.5	37.5	-	-	3	45
Public Tank Water Closet	1	2.5	2.5	-	-	4	4
Lavatory (Public or Private)	16	1	16	0.75	12	1	16
Shower (Single Head)	15	2	30	1.5	22.5	2	30
Kitchen Sink	15	1.5	22.5	1.125	16.88	2	30
Service Sink or Mop Basin	2	3	6	2.25	4.5	3	6
Clothes Washer	4	4	16	3	12	3	12
Hose-bibb*	4	2.5	5.5	-	-	-	-
Floor Drain	23	-	-	-	-	2	46
Sump Pump (50 GPM) (Emergency)	1	-	-	-	-	-	-
Hub Drain (Emergency for Sump Pump)	1	-	-	-	-	-	-
TOTALS	97		136		67.88		189

*EACH ADDITIONAL HOSE BIBB AFTER FIRST IS 1.0 WSFU
 TOTAL BUILDING DEMAND IS 52 GPM PER APPENDIX A OF 2018 UPC BUILDING WATER SERVICE SIZE = 2"
 BUILDING SEWER CONNECTION = 4"

PRESSURE LOSS CALCULATIONS	
STATIC WATER PRESSURE AT MAIN:	57 PSI
METER PRESSURE LOSS:	2 PSI
BACKFLOW PREVENTER PRESSURE LOSS:	10 PSI
PRESSURE AVAILABLE AT BUILDING:	45 PSI
PRV REQUIRED? (Y/N):	NO
ELEVATION CHANGE (30 FT X 43 PSI/FT):	12.9 PSI
MIN RESIDUAL PRESSURE AT FURTHEST FIXTURE:	25 PSI
AVAILABLE PIPING PRESSURE LOSS:	7.1 PSI
LONGEST PIPE RUN (X 1.25 FOR FITTINGS):	187.5 FT
FRICTION LOSS NOT TO EXCEED /100FT:	4.7 PSI

ESDS NOTES:

- MEET ESDS 4.06 REQUIREMENTS FOR EFFICIENT PIPING.
- PLUMB PIPING FROM WATER HEATERS TO LAVS, SINKS, AND SHOWERS TO ENSURE NOT MORE THAN 0.5 GALLONS OF WATER IS HELD IN THE PIPING BETWEEN THE WATER HEATER AND ANY FIXTURE.
- PROVIDE HEAT TRAPS ON HOT AND COLD WATER LINES AT WATER HEATERS.
- PROVIDE NOT LESS THAN 1" INSULATION ON THE 60° OF HOT AND COLD WATER PIPING CLOSEST TO EACH WATER HEATER.
- AVOID 90 DEGREE BENDS TO THE GREATEST EXTENT POSSIBLE AND USE THERMALLY BROKEN HANGERS FOR HOT WATER PIPING.

SERVICE TYPE	PIPE MATERIALS	PIPE FITTING CONNECTIONS
DOMESTIC WATER (BURIED)	TYPE K COPPER	BRAZE
DOMESTIC WATER (ABOVE GRADE)	TYPE L COPPER	SOLDER OR PRESS CONNECTION
	SCHEDULE 80 CPVC	SOLVENT
	PEX-a	PRO-PEX RING COUPLING
SANITARY SEWER (BURIED)	HUB-LESS CAST IRON ASTM A888	SHIELDED COUPLING
	SCHEDULE 40 ABS	SOLVENT
	SCHEDULE 40 SOLID WALL PVC	SOLVENT
SANITARY SEWER (ABOVE GRADE)	HUB-LESS CAST IRON ASTM A888	SHIELDED COUPLING
	SCHEDULE 40 ABS	SOLVENT
	SCHEDULE 40 SOLID WALL PVC	SOLVENT
EQUIPMENT DRAINS (CONDENSATE)	TYPE L COPPER	SOLDER OR PRESS CONNECTION
	SCHEDULE 40 CPVC	SOLVENT

- NOTES:
- INSTALLATION OF SCHEDULE 40 PVC USED FOR SANITARY DRAINAGE SHALL COMPLY WITH UPC SECTION 705.6.2.
 - INSTALLATION OF SCHEDULE 40 CPVC USED FOR DOMESTIC WATER SHALL COMPLY WITH UPC SECTION 605.3. PRIMER SHALL BE APPLIED IN ACCORDANCE WITH ASTM F686 AND SOLVENT CEMENTS APPLIED IN ACCORDANCE WITH ASTM F493 / F2855.

SERVICE TYPE	INSULATION TYPE	<1"	1" TO 1 1/2"	1 1/2" TO 4"	4" TO 8"
DOMESTIC COLD WATER	GLASS FIBER, RIGID	1/2"	1/2"	1	1
DOMESTIC HOT WATER	GLASS FIBER, RIGID	1"	1"	1-1/2"	1-1/2"
DOMESTIC WATER OUTSIDE CONDITIONED SPACE	GLASS FIBER, RIGID	1-1/2"	1-1/2"	2"	2"

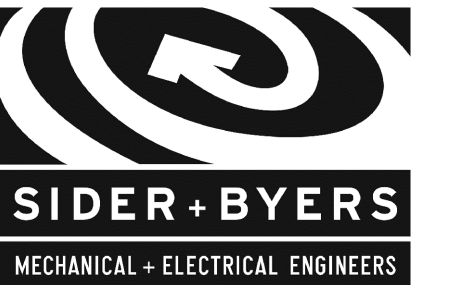
- DO NOT INSULATE DIRECT BURIAL COLD WATER
- FOR ALL EXTERIOR PIPING APPLICATIONS USE ONLY ELASTOMERIC CELLULAR FOAM WITH ALUMINUM JACKET
- FOR ALL BELOW GRADE PIPING APPLICATIONS, USE ONLY INSULATION ENGINEERED FOR APPLICATION.

TABLE C403.10.3
 MINIMUM PIPE INSULATION THICKNESS (thickness in inches)*

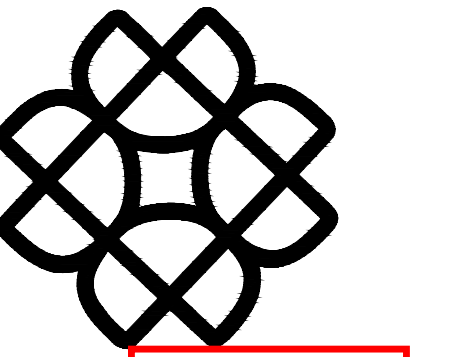
FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (inches)				
	Conductivity Btu • in./(h • ft ² • °F)	Mean Rating Temperature, °F	< 1	1 to < 1-1/2	1-1/2 to < 4	4 to < 8	≥ 8
> 350	0.32 – 0.34	250	4.5	5.0	5.0	5.0	5.0
251 – 350	0.29 – 0.32	200	3.0	4.0	4.5	4.5	4.5
201 – 250	0.27 – 0.30	150	2.5	2.5	2.5	3.0	3.0
141 – 200	0.25 – 0.29	125	1.5	1.5	2.0	2.0	2.0
105 – 140	0.21 – 0.28	100	1.0	1.0	1.5	1.5	1.5
40 – 60	0.21 – 0.27	75	0.5	0.5	1.0	1.0	1.0
< 40	0.20 – 0.26	75	0.5	1.0	1.0	1.0	1.5

- For piping smaller than 1-1/2 inch (38 mm) and located in partitions within *conditioned spaces*, reduction of these thicknesses by 1 inch (25 mm) shall be permitted (before thickness adjustment required in footnote b) but not to a thickness less than 1 inch (25 mm).
- For insulation outside the stated conductivity range, the minimum thickness (T) shall be determined as follows:
 $T = r \{ (1 + tr/k) - 1 \}$
 where:
 T = minimum insulation thickness,
 r = actual outside radius of pipe,
 t = insulation thickness listed in the table for applicable fluid temperature and pipe size,
 k = conductivity of alternate material at mean rating temperature indicated for the applicable fluid temperature (Btu • in./h • ft² • °F) and
 k = the upper value of the conductivity range listed in the table for the applicable fluid temperature.
- For direct-buried heating and hot water system piping, reduction of these thicknesses by 1-1/2 inches (38 mm) shall be permitted (before thickness adjustment required in footnote b) but not to thicknesses less than 1 inch (25 mm).

RPBA SCHEDULE					
MARK	LOCATION	MAKE	MODEL	SIZE	NOTES:
RPBP-1	SPRINKLER RM	WATTS	919	2"	DOMESTIC CW. LEAD FREE
RPBP-2	SPRINKLER RM	WATTS	919	2"	DOMESTIC CW. LEAD FREE



192 Nickerson, Suite #300
 Seattle, Washington 98109
 Phone: 206.285.2966



Reviewed for
 2018 Building Code Compliance
 Lou Fyler
 8/17/23
 Building Plan Review by
 402 15th Avenue East
 Seattle, Washington 98114
 phone: 206.329.8300
 fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
 CARNATION, WA 98014



Issuance		
BID SET		
Date	22 MAY 2023	
Revisions		
#	Date	Description

NOTES AND SCHEDULES

Drawn By:	NB
Checked By (P.M.):	NB
Checked By (O.C.):	NB
Project No.	21035

FOR SDCl USE ONLY



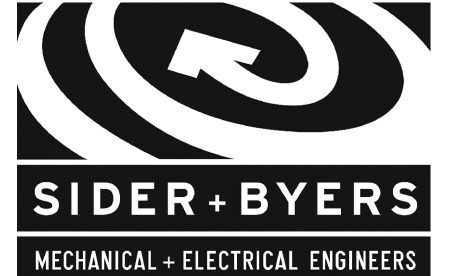
PLUMBING FIXTURE SCHEDULE

MARK	ITEM	MFR: MODEL	DESCRIPTION
WC-1	WATER CLOSET (RESIDENTIAL ADA)	KOHLER HIGHLINE K-5299	FLOOR MOUNT, TANK TYPE, VITREOUS CHINA, ELONGATED BOWL, 1.0 GPF, 12" ROUGH-IN, 16.5" TALL RIM, PROVIDE STAINLESS BRAIDED SUPPLY AND 1/4 TURN ANGLE STOP, MAP 600 GRAMS MINIMUM, ADA.
	SEAT	INCLUDED	WHITE PLASTIC COMPOSITE, CLOSED FRONT, W/ SLOW CLOSE COVER.
WC-2	WATER CLOSET (PUBLIC ADA)	KOHLER HIGHLINE K-5299	FLOOR MOUNT, TANK TYPE, VITREOUS CHINA, ELONGATED BOWL, 1.0 GPF, 12" ROUGH-IN, 16.5" TALL RIM, PROVIDE STAINLESS BRAIDED SUPPLY AND 1/4 TURN ANGLE STOP, MAP 600 GRAMS MINIMUM, ADA.
	SEAT	INCLUDED	WHITE PLASTIC COMPOSITE, CLOSED FRONT, W/ SLOW CLOSE COVER.
LAV-1	LAVATORY (RESIDENTIAL ADA)	KOHLER: K-2337-4	21"X17" DROP IN COUNTERTOP LAV. VITREOUS CHINA, 4" CTRS. WHITE, INSTALLED TO ADA COMPLIANT HEIGHTS AND WITH COMPLIANT INSULATION ON DRAIN AND WATER PIPING.
	FAUCET	DELTA 500-DST	SINGLE LEVER, METAL CONSTRUCTION, ADA COMPLIANT, SINGLE HOLE POP-UP WASTE ASSEMBLY, 1.2 GPM, WATERSENSE, ADA.
	DRAIN		METAL POP-UP TYPE. IN ALL UNITS INSULATE P-TRAPS AND WATER SUPPLIES TO MEET ADA REQUIREMENTS
NOTE: CONTRACTOR SHALL VERIFY CABINET DIMENSIONS BEFORE ORDERING SINK.			
LAV-2	LAVATORY (PUBLIC ADA)	KOHLER: 2005-0	21 1/4" X 18 1/8". WALL MOUNT, VIT CHINA, 4" CTRS, WHITE. INSTALLED TO ADA COMPLIANT HEIGHTS AND WITH COMPLIANT INSULATION ON DRAIN AND WATER PIPING.
	FAUCET	DELTA 500-DST	SINGLE LEVER, METAL CONSTRUCTION, ADA COMPLIANT, 0.5 GPM, WATERSENSE
	LAVATORY MIXING VALVE	SYMMONS: 7-210-CK	THERMOSTATIC MIXING VALVE, INTEGRAL CHECKS, 3/8" INLETS AND OUTLET, MOUNT EXPOSED BELOW LAVATORIES, ASSE 1070.
	DRAIN	DEARBORN BRASS: 760W	PERFORATED STRAINER W/ OFFSET TAILPIECE PER ADA REQUIREMENTS.
NOTE: CONTRACTOR SHALL VERIFY CABINET DIMENSIONS BEFORE ORDERING SINK.			
KS-1	KITCHEN SINK (RESIDENTIAL ADA)	DAYTON: D125223	25" X 22" X 6 9/16". SINGLE COMPARTMENT, STAINLESS, 20 GAUGE, 3 HOLES, ADA
	FAUCET	DELTA 140-WE-DST	SWING SPOUT, 8" CENTERS, 1.75 GPM, ADA.
	DRAIN		BASKET STRAINER. INSULATED DRAIN AND WATER PIPING PER ADA
	OVERFLOW	FISHER: 11223	OVERFLOW ELBOW KIT, PROVIDE PIPING TO SINK DRAIN.
NOTE: CONTRACTOR SHALL VERIFY CABINET DIMENSIONS BEFORE ORDERING SINK.			
S-1	LAUNDRY SINK (ADA)	ELKAY: LR2522	25" X 21-1/4" X 5-3/8", SINGLE COMPARTMENT, STAINLESS, 18 GAUGE, 3 HOLES, ADA.
	FAUCET	CHICAGO: 2300-8E34ABCP	SGL. LEVER, 9" SWING SPOUT WITH 1.5 GPM AERATOR, 8" CTRS, CHROME PLATE.
	DRAIN		BASKET STRAINER. INSULATED DRAIN AND WATER PIPING PER ADA
	OVERFLOW	FISHER: 11223	OVERFLOW ELBOW KIT, PROVIDE PIPING TO SINK DRAIN.
NOTE: CONTRACTOR SHALL VERIFY CABINET DIMENSIONS BEFORE ORDERING SINK.			

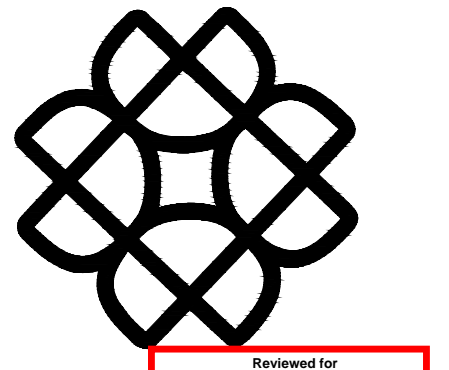
MARK	ITEM	MFR: MODEL	DESCRIPTION
SH-1	SHOWER	EVERFAB S6339TA0NR - L/R	63" X 39" X 79-5/8". ONE PIECE, GEL COAT AND FIBERGLASS COMPOSITE, WHITE, NO-RECESS, ADA. PROVIDE WITH REINFORCEMENT ON 3 SIDES FOR FUTURE GRAB BAR AND FOLD UP SEAT INSTALLATION PER ADA P.C. TO VERIFY RIGHT OR LEFT HAND BEFORE ORDERING. BRADLEY B-6047 CURTAIN ROD, B-204-1 HOOKS, B-204-3 CURTAIN, BPEDM 67" SHOWER SPLASH GUARD 3" TALL.
	SHOWER VALVE	BRADLEY S59-1005	SINGLE LEVER, PRESSURE BALANCING MIXING VALVE, CHROME PLATE, DIVERTOR VALVE FOR HOSE SPRAY, ADA.
	HAND SHOWER	SYMMONS T736-1.5	36" WALL BAR WITH SLIDE BRACKET, 60" STAINLESS HOSE, DIVERTER VALVE, VACUUM BREAKER, SECONDARY HOOK MOUNTED ON GRAB BAR 1.5 GPM FLOW, WATERSENSE LABELED, ADA.
	DRAIN		PERFORATED GRID STRAINER, CHROME.
SH-2	SHOWER	EVERFAB S6339TA0LP - L/R	63" X 39" X 79-5/8". ONE PIECE, GEL COAT AND FIBERGLASS COMPOSITE, WHITE, LOW-PROFILE, ADA. PROVIDE WITH REINFORCEMENT ON 3 SIDES FOR FUTURE GRAB BAR AND FOLD UP SEAT INSTALLATION PER ADA P.C. TO VERIFY RIGHT OR LEFT HAND BEFORE ORDERING. BRADLEY B-6047 CURTAIN ROD, B-204-1 HOOKS, B-204-3 CURTAIN, BPEDM 67" SHOWER SPLASH GUARD 3" TALL
	SHOWER VALVE	BRADLEY S59-1005	SINGLE LEVER, PRESSURE BALANCING MIXING VALVE, CHROME PLATE, DIVERTOR VALVE FOR HOSE SPRAY, ADA.
	HAND SHOWER	SYMMONS T736-1.5	36" WALL BAR WITH SLIDE BRACKET, 60" STAINLESS HOSE, DIVERTER VALVE, VACUUM BREAKER, SECONDARY HOOK MOUNTED ON GRAB BAR, 1.5 GPM FLOW, WATERSENSE LABELED, ADA
	DRAIN		PERFORATED GRID STRAINER, CHROME
LB-1	LAUNDRY BOX	OATEY "QUADTRO" 38545	LAUNDRY BOX 1/2" HW, 1/2" CW, & 2" DRAIN CONNECTIONS, SINGLE-THROW VALVE, INSTALL AT SIDE WALL OF STACKED WASHER/DRYER AND STANDARD WASHER
WH-1	ELECTRIC WATER HEATER	A.O. SMITH: ENT-50	50 GAL. STORAGE, (2) 4500 WATT ELEMENTS (NON-SIMULTANEOUS) 208 VOLT/1 PH.
DET-1	DOMESTIC EXPANSION TANK	AMTROL: ST-5	STEEL CONST. W/INTERNAL DIAPHRAGM 8" DIA. X 13" HIGH.
WH-2	ELECTRIC WATER HEATER	STATE WATER HEATERS EGX-80-DRRT	80 GAL. STORAGE, (2) 4500 WATT ELEMENTS (NON-SIMULTANEOUS) 208 VOLT/1 PH.
DET-2	DOMESTIC EXPANSION TANK	AMTROL: ST-12	STEEL CONST. W/INTERNAL DIAPHRAGM 11" DIA. X 15" HIGH.
CP-1	HW CIRCULATION PUMP	ARMSTRONG: COMPASS H 20-20SS	2 GPM @ 10' HEAD, 0.06 HP, 115 V/1PH, STAINLESS STEEL CONSTRUCTION, LEAD FREE.
SP-1	ELEVATOR SUMP PUMP	STANCOR: CM100DW-ELV-115-WA	SIMPLEX SUBMERSIBLE, 1 HP, 115 V/1 PHASE PLUG-IN TYPE, 50 GPM @ 40 FEET HEAD, 2" DISCHARGE, STANCOR OIL MINDER SYSTEM WITH SENSOR AND FLOATS (STOPS PUMP WITH DETECTION OF OIL, STARTS PUMP WHEN OIL IS NO LONGER DETECTED). PROVIDE ADDITIONAL POWER CABLE LENGTHS AS NEEDED.
	CONTROLS	STANCOR	OIL MINDER SYSTEM CONTROL PANEL, NEMA 4X, UL LISTED, ALARM, PROVIDE ADDITIONAL POWER CABLE LENGTHS AS NEEDED, 115 V / 1 PHASE PLUG-IN TYPE. (PANEL LOCATED IN JANITOR ROOM ON MAIN LEVEL, SEE FLOOR PLANS)

MARK	ITEM	MFR: MODEL	DESCRIPTION
SS-1	SERVICE SINK	FIAT: MSB-2424	FLOOR STYLE 24" X 24" X 10" MOLDED COMPOSITION STONE, 3" DIA. FLAT STRAINER, #E-77-AA VINYL BUMPERGUARD, STAINLESS WALL GUARDS, MOP HANGER 889-CC, WHITE
	FAUCET	FIAT: 830-AA	WALL MOUNT WITH BRACE, VACUUM BREAKER, BUCKET HOOK, 3/4" HOSE THREAD, #832-AA 30" HOSE & BRACKET.
HB-1	HOSE BIBB (FREEZE-PROOF)	WOODFORD: B24BX-BR	WALL MOUNT, BRONZE CONST., 3/4" HOSE THREAD, VACUUM BREAKER, LOOSE KEY HANDLE, CHROME PLATE STAINLESS STEEL BOX WITH OPERATING KEY LOCK ON COVER.
FD-1	FLOOR DRAIN	ZURN: Z-415-S	2" C.I. BODY, 5" SQ. ADJ. NICKEL BRONZE STRAINER, TRAP PRIMER TAPPING, PROVIDE TRAP PRIMERS FOR ALL INSTALLATIONS EXCEPT SHOWERS. REFER TO FLOOR FOR DRAIN CONST. AND/OR COVERING. BEFORE ORDERING VERIFY DRAIN STRAINER HEIGHT ADJUSTMENT IS COMPATIBLE WITH FLOORING FOR STRAINER TO BE INSTALLED FLUSH WITH FLOOR.
FD-2	FLOOR DRAIN (FUNNEL)	ZURN: Z-415-S	2" C.I. BODY, 7" SQ. ADJ. NICKEL BRONZE STRAINER, TRAP PRIMER TAPPING, PROVIDE TRAP PRIMERS FOR ALL INSTALLATIONS EXCEPT SHOWERS. PROVIDE WITH ZURN Z329-7 FUNNEL. REFER TO FLOOR DRAIN DETAIL FOR DRAIN CONST. AND/OR COVERING. BEFORE ORDERING VERIFY DRAIN STRAINER HEIGHT ADJUSTMENT IS COMPATIBLE WITH FLOORING FOR STRAINER TO BE INSTALLED FLUSH WITH FLOOR.
FD-3	FLOOR DRAIN (WOOD CONST.)	SIoux CHIEF: 822-F3ANR	ADJUSTABLE ROUND NICKEL BRONZE STRAINER, DECK FLANGE, PVC BODY WITH SCHEDULE 40 ABS HUB CONNECTION. PROVIDE TRAP PRIMER. REFER TO FLOOR DRAIN DETAIL FOR DRAIN CONST. AND/OR COVERING. BEFORE ORDERING VERIFY DRAIN STRAINER HEIGHT ADJUSTMENT IS COMPATIBLE WITH FLOORING FOR STRAINER TO BE INSTALLED FLUSH WITH FLOOR.
FD-4	FLOOR DRAIN (WOOD CONST.)	SIoux CHIEF: 822-F3ANR	ADJUSTABLE ROUND NICKEL BRONZE STRAINER, DECK FLANGE, PVC BODY WITH SCHEDULE 40 ABS HUB CONNECTION. PROVIDE TRAP PRIMER AND 863-FN FUNNEL. REFER TO FLOOR DRAIN DETAIL FOR DRAIN CONST. AND/OR COVERING. BEFORE ORDERING VERIFY DRAIN STRAINER HEIGHT ADJUSTMENT IS COMPATIBLE WITH FLOORING FOR STRAINER TO BE INSTALLED FLUSH WITH FLOOR.

MARK	FIXTURE	PIPE SIZE		WASTE	VENT	REMARKS
		C.W	H.W			
WC-1	WATER CLOSET	1/2"	-	3"	2"	TANK TYPE
WC-2	WATER CLOSET	1/2"	-	3"	2"	TANK TYPE
LAV-1	LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"	
LAV-2	LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"	PUBLIC, ADA
SH-1	SHOWER	1/2"	1/2"	2"	1-1/2"	ADA, LEVEL 1
SH-2	SHOWER	1/2"	1/2"	2"	1-1/2"	ADA, LEVEL 2 AND 3
KS-1	KITCHEN SINK	1/2"	1/2"	2"	1-1/2"	TOP MOUNT
S-1	LAUNDRY SINK	1/2"	1/2"	2"	1-1/2"	TOP MOUNT
LB-1	LAUNDRY BOX	1/2"	1/2"	2"	1-1/2"	
SS-1	SERVICE SINK	1/2"	1/2"	3"	1-1/2"	FLOOR STYLE
HB-1	HOSE BIBB	1/2"	-	-	-	FREEZE-PROOF
FD-1	FLOOR DRAIN	-	-	2"	1-1/2"	
FD-2	FLOOR DRAIN	-	-	2"	1-1/2"	WITH FUNNEL
FD-3	FLOOR DRAIN	-	-	2"	1-1/2"	
FD-4	FLOOR DRAIN	-	-	2"	1-1/2"	WITH FUNNEL



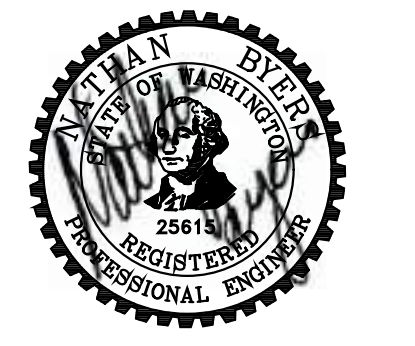
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed for
2018 Building Code Compliance
Lou Fyler
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98114
phone: 206.329.8300
fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
CARNATION, WA 98014

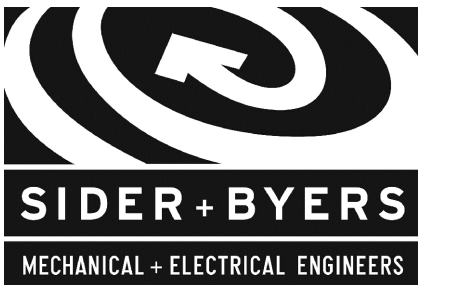


Issuance	
BID SET	
Date	22 MAY 2023
Revisions	
#	Date Description

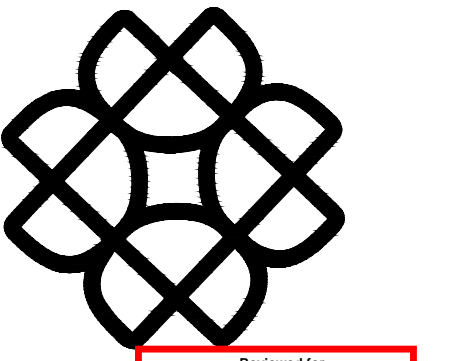
NOTES AND SCHEDULES

Drawn By: NB
Checked By (P.M.): NB
Checked By (O.C.): NB
Project No.: 21035

FOR SDCl USE ONLY



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed For
2018 Building Code Compliance
Lou Fyler
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

**SNO VALLEY
SENIOR HOUSING**

31845 W COMMERCIAL ST.
CARNATION, WA 98014

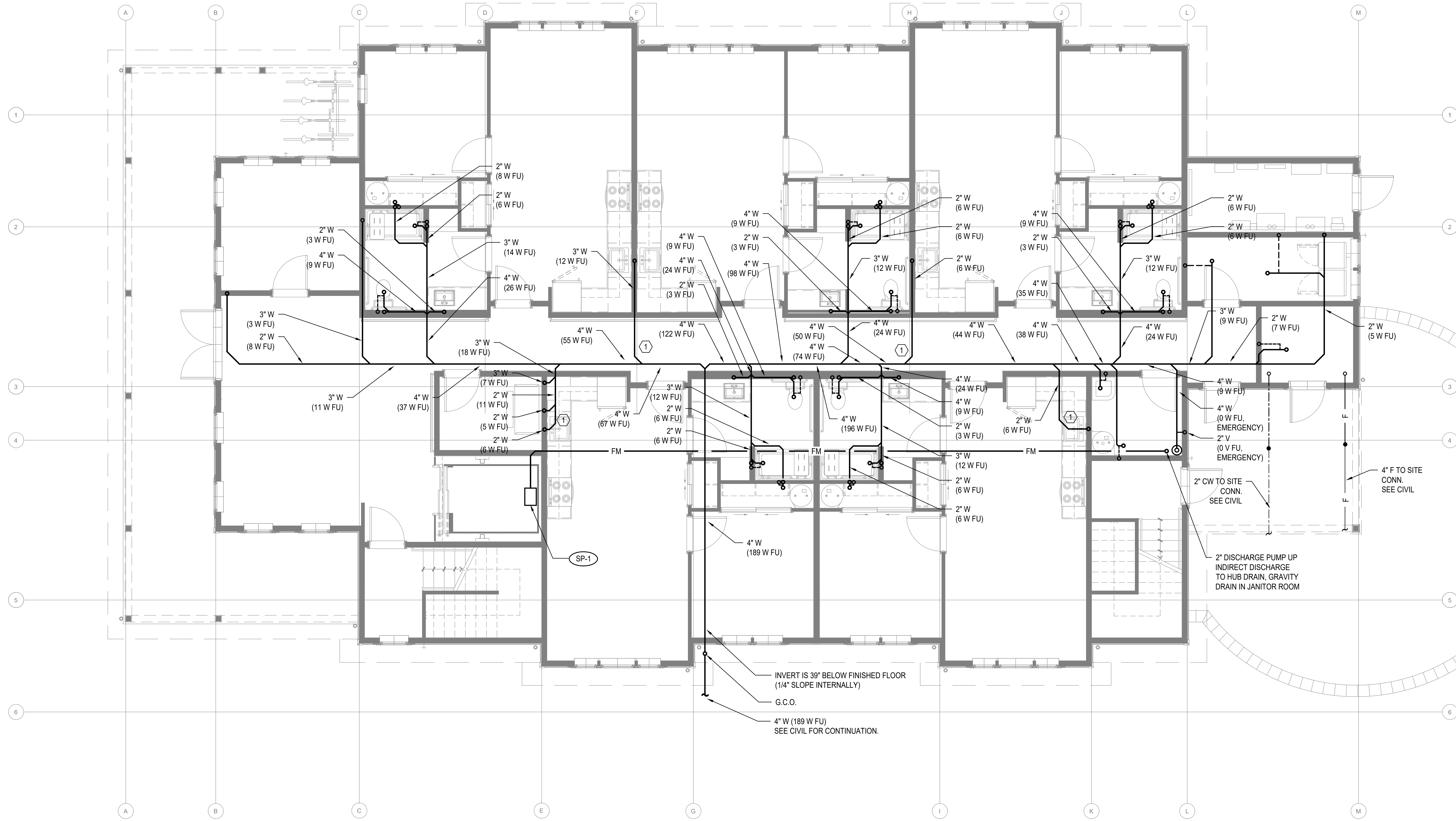


Issuance	
BID SET	
Date	22 MAY 2023
Revisions	
#	Date Description

FOUNDATION PLAN

Drawn By: NB
Checked By (P.M.): NB
Checked By (O.C.): NB
Project No. 21035

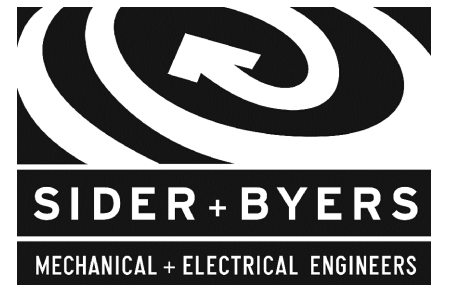
FOR SDCl USE ONLY



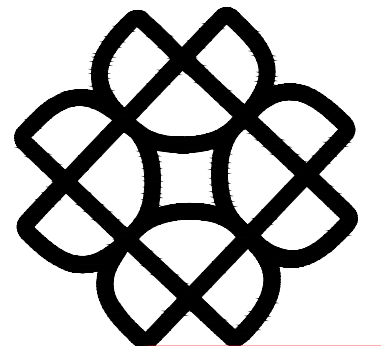
FOUNDATION PLAN
SCALE: 1/4"=1'-0"

NOTES:

① PROVIDE SUDS RELIEF IN ACCORDANCE WITH 711.0 OF UPC 2018.



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed for
2018 Building Code Compliance
Lou Fyler
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
CARNATION, WA 98014

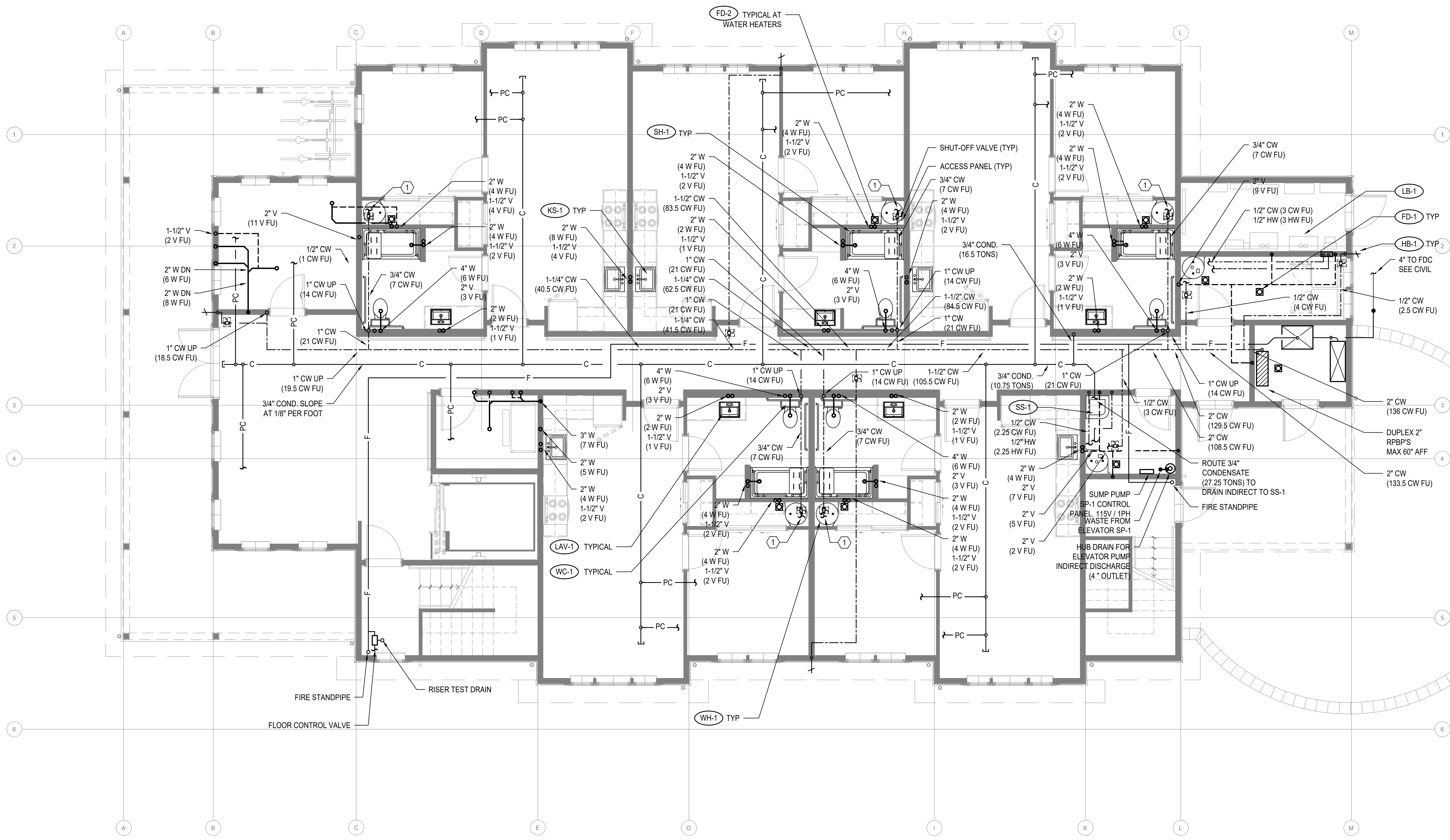


Issuance	BID SET
Date	22 MAY 2023
Revisions	
#	Date Description

MAIN LEVEL PLAN

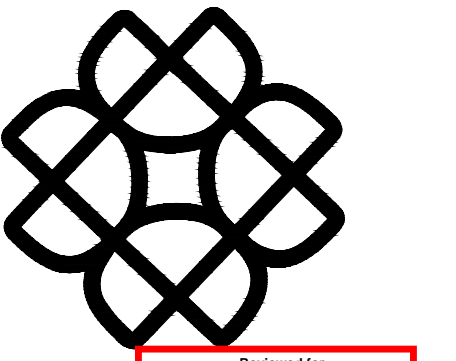
Drawn By:	NB
Checked By (P.M.):	NB
Checked By (O.C.):	NB
Project No.	21035

FOR SDCI USE ONLY



MAIN LEVEL PLAN
SCALE: 1/4"=1'-0"

- NOTES:
- PLUMBING ROUTING AND LAYOUT TO BE IN ACCORDANCE WITH ESDS V4.0 SECTION 4.06 EFFICIENT PLUMBING LAYOUT AND DESIGN.
 - TO HOT WATER HEATER. 3/4" CW (5.875 CW FU), 3/4 HW (3.375 HW FU). SEE UNIT WATER DETAIL 1/P4.3 FOR IN UNIT PLUMBING LAYOUT.



Reviewed for
2018 Building Code Compliance
Lou Flyke
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

**SNO VALLEY
SENIOR HOUSING**

31845 W COMMERCIAL ST.
CARNATION, WA 98014

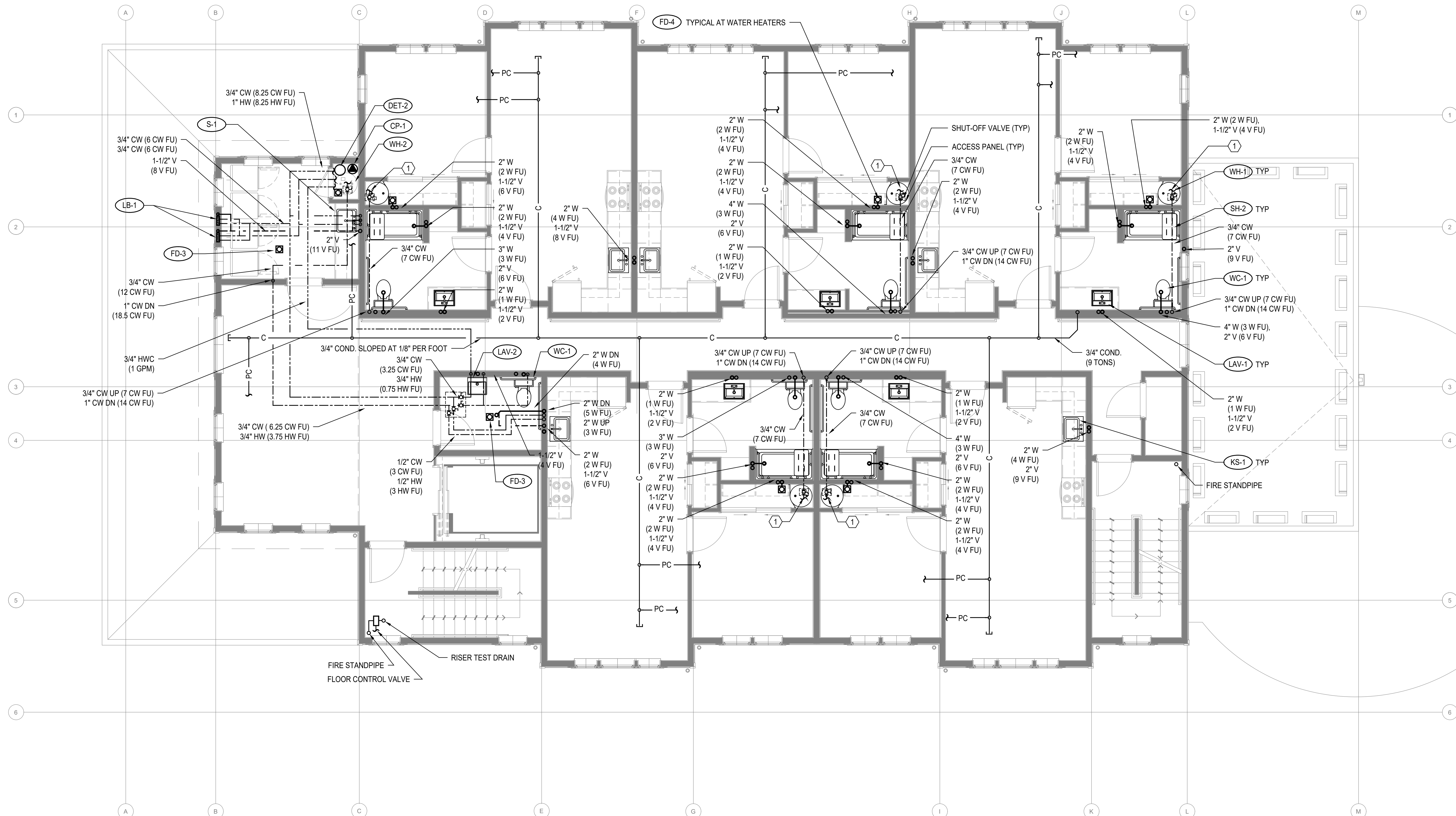


Issuance	BID SET
Date	22 MAY 2023
Revisions	
#	Date Description

SECOND LEVEL PLAN

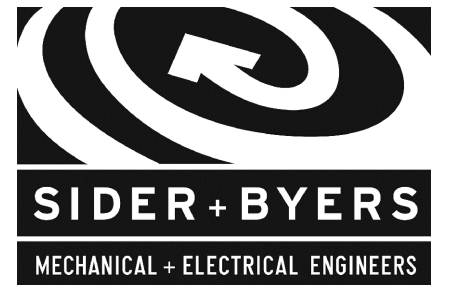
Drawn By: NB
Checked By (P.M.): NB
Checked By (O.C.): NB
Project No. 21035

FOR SDCl USE ONLY

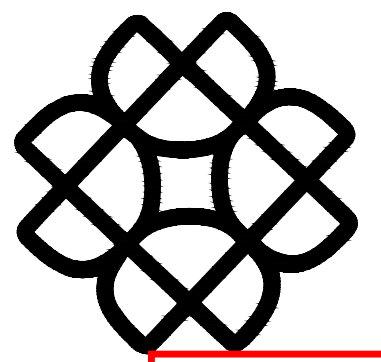


SECOND LEVEL PLAN
SCALE: 1/4"=1'-0"

- NOTES:
- PLUMBING ROUTING AND LAYOUT TO BE IN ACCORDANCE WITH ESDS V4.0 SECTION 4.06 EFFICIENT PLUMBING LAYOUT AND DESIGN.
 - TO HOT WATER HEATER. 3/4" CW (5.875 CW FU), 3/4 HW (3.375 HW FU). SEE UNIT WATER DETAIL 1/P4.3 FOR IN UNIT PLUMBING LAYOUT.



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed for
2018 Building Code Compliance
Lou Flyke
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

**SNO VALLEY
SENIOR HOUSING**

31845 W COMMERCIAL ST.
CARNATION, WA 98014

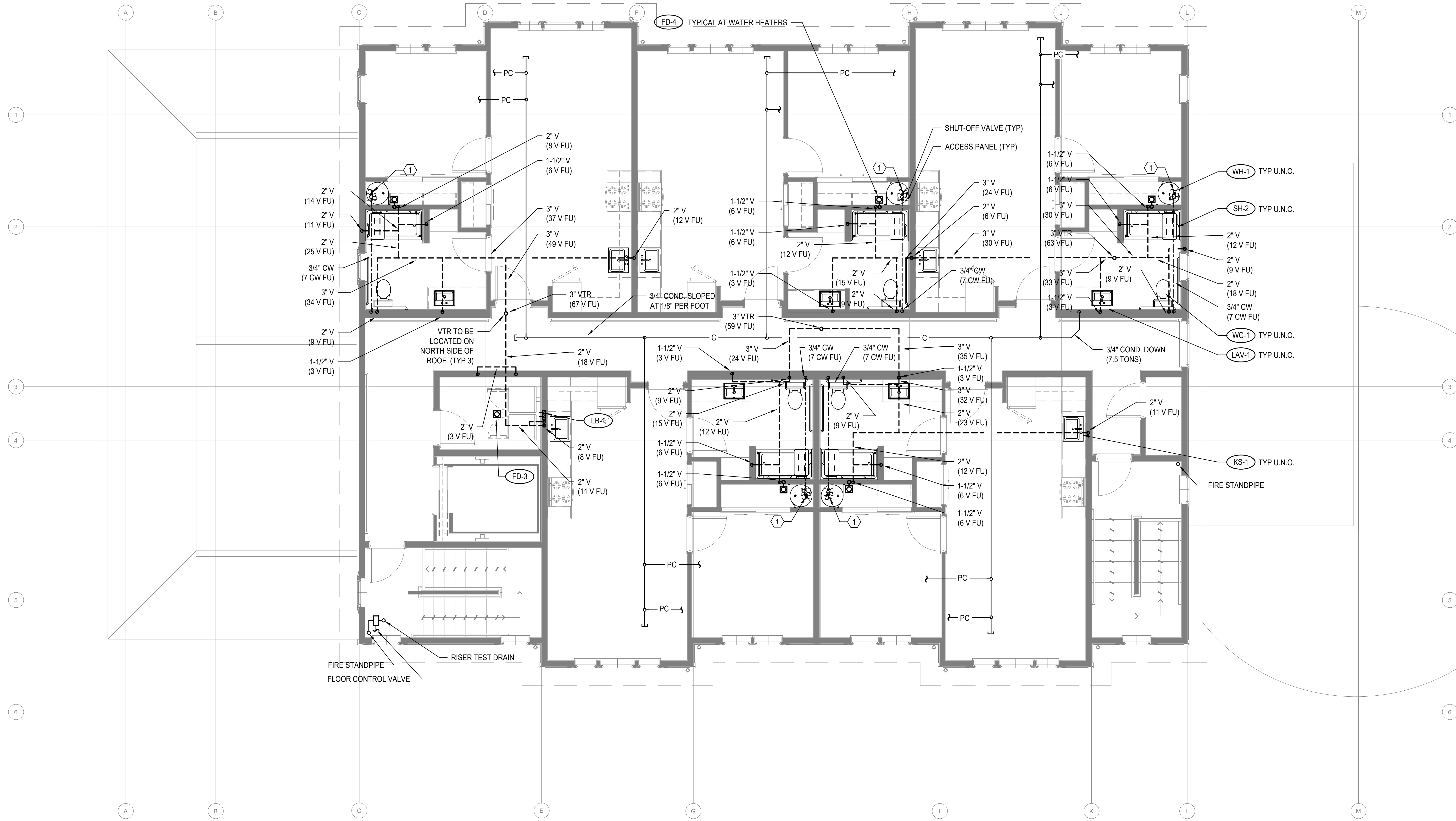


Issuance	
BID SET	
Date	22 MAY 2023
Revisions	
#	Date Description

THIRD LEVEL PLAN

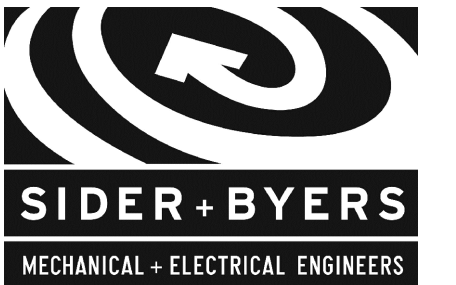
Drawn By:
NB
Checked By (P.M.):
NB
Checked By (O.C.):
NB
Project No.
21035

FOR SDCI USE ONLY

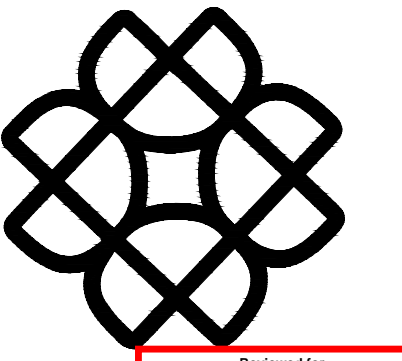


- NOTES:
1. PLUMBING ROUTING AND LAYOUT TO BE IN ACCORDANCE WITH ESDS V4.0 SECTION 4.06 EFFICIENT PLUMBING LAYOUT AND DESIGN.
 - 1 TO HOT WATER HEATER. 3/4" CW (5.875 CW FU), 3/4 HW (3.375 HW FU). SEE UNIT WATER DETAIL 1/P4.3 FOR IN UNIT PLUMBING LAYOUT.

THIRD LEVEL PLAN
SCALE: 1/4"=1'-0"



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed for
2018 Building Code Compliance
Lou Flynn
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
CARNATION, WA 98014

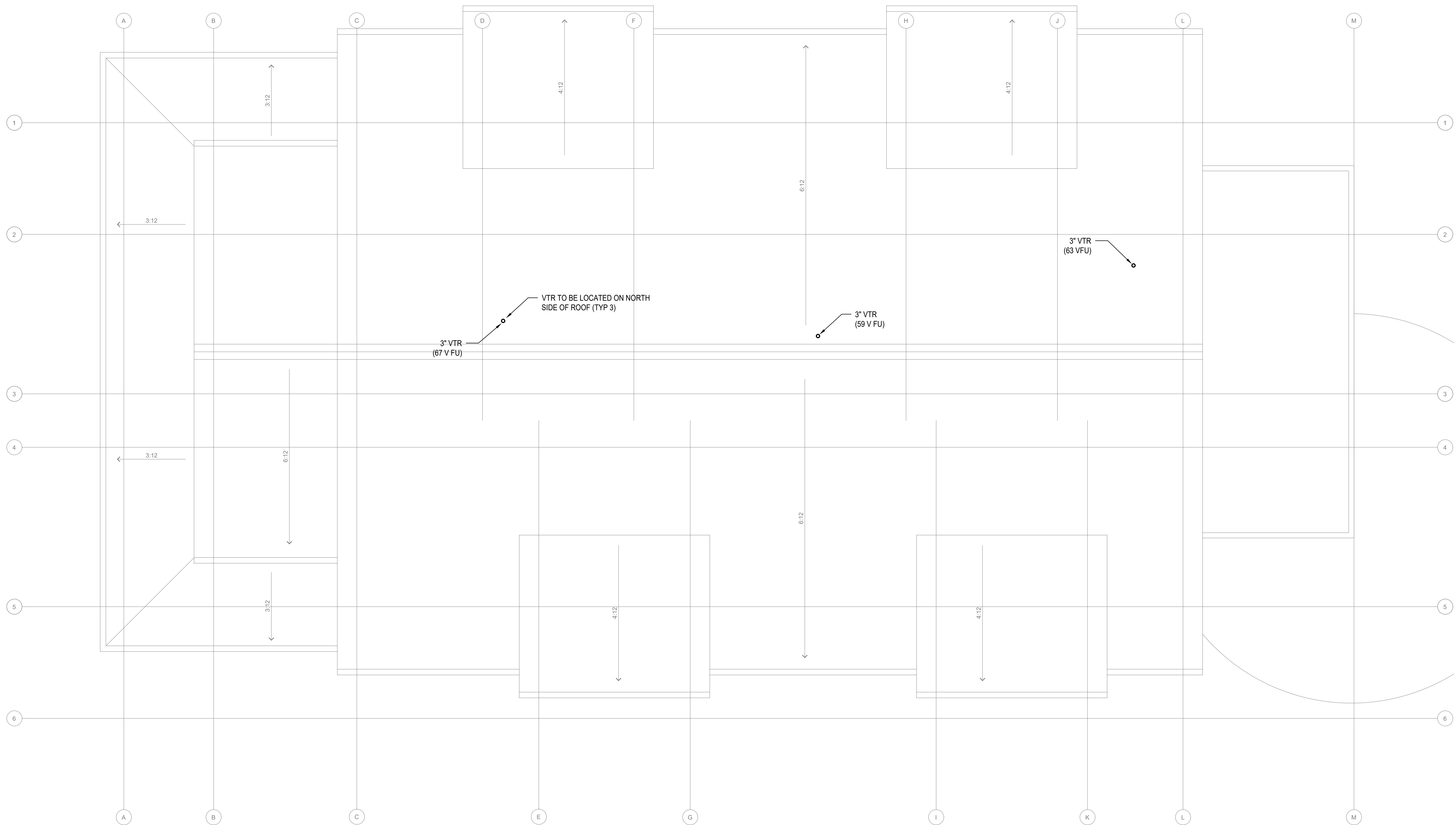


Issuance		
BID SET		
Date	22 MAY 2023	
Revisions		
#	Date	Description

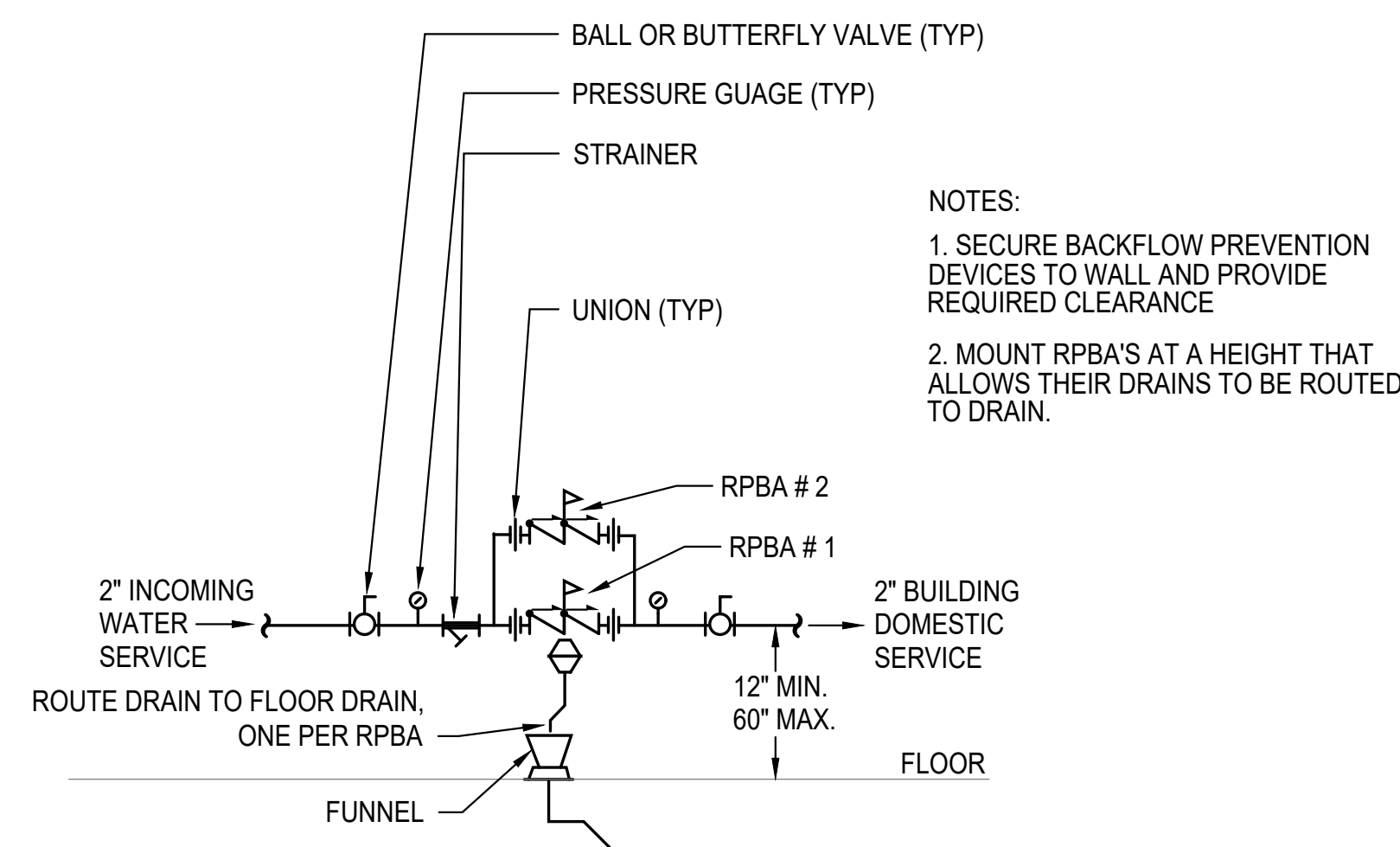
ROOF PLAN

Drawn By: NB
 Checked By (P.M.): NB
 Checked By (O.C.): NB
 Project No. 21035

FOR SDCI USE ONLY



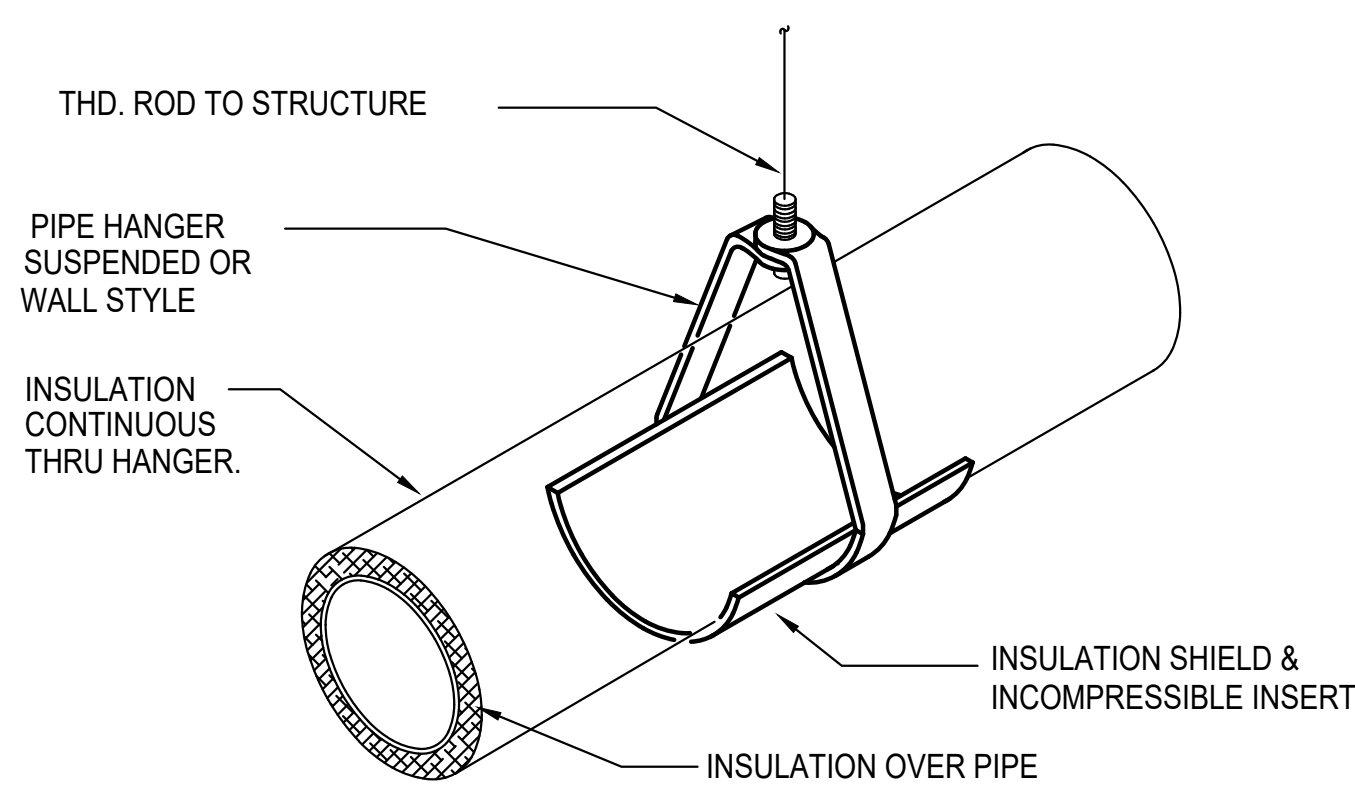
ROOF PLAN
SCALE: 1/4"=1'-0"



NOTES:
 1. SECURE BACKFLOW PREVENTION DEVICES TO WALL AND PROVIDE REQUIRED CLEARANCE
 2. MOUNT RPBA'S AT A HEIGHT THAT ALLOWS THEIR DRAINS TO BE ROUTED TO DRAIN.

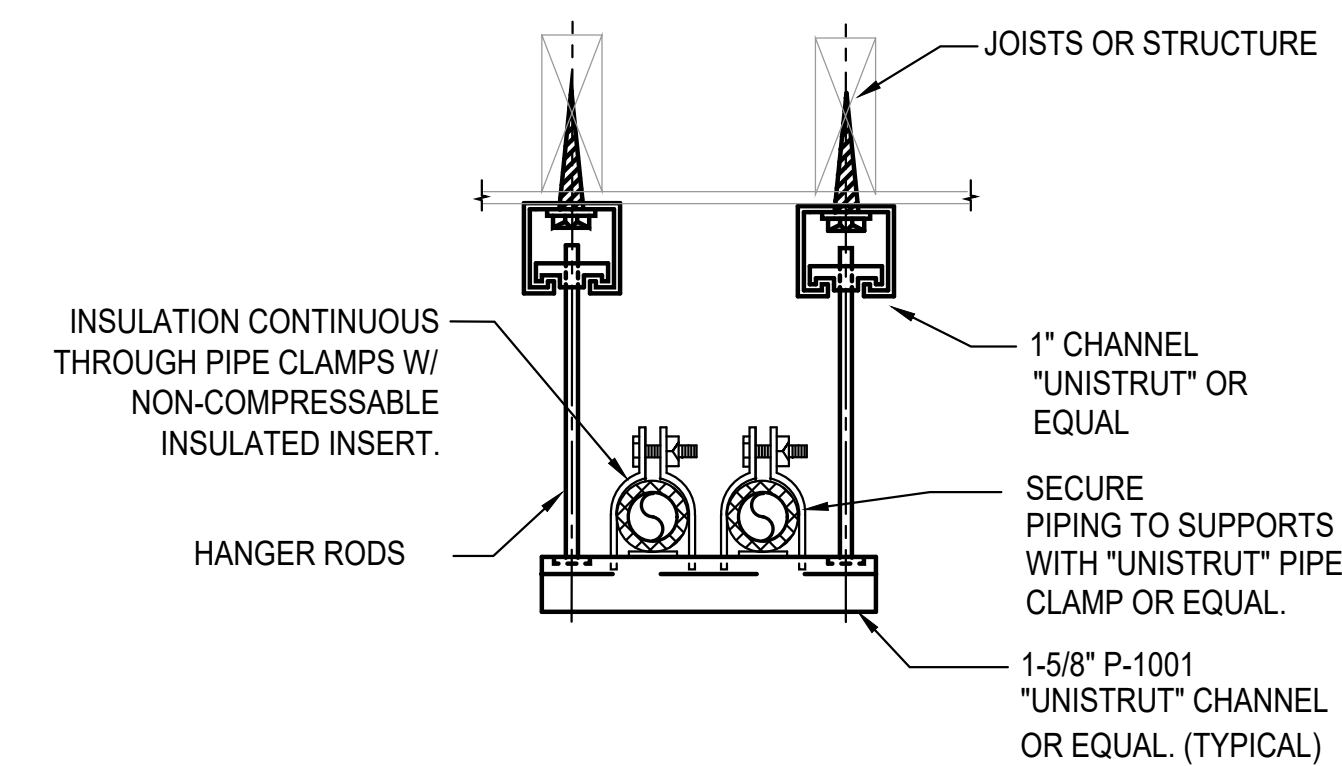
WATER SERVICE SCHEDULE				
MARK	MAKE	MODEL	SIZE	NOTES
RPBP #1 AND #2	WATTS	919	2"	DUPLEX CONFIGURATION, LEAD FREE

1 INCOMING WATER SERVICE DETAIL
 P3.1 N.T.S.



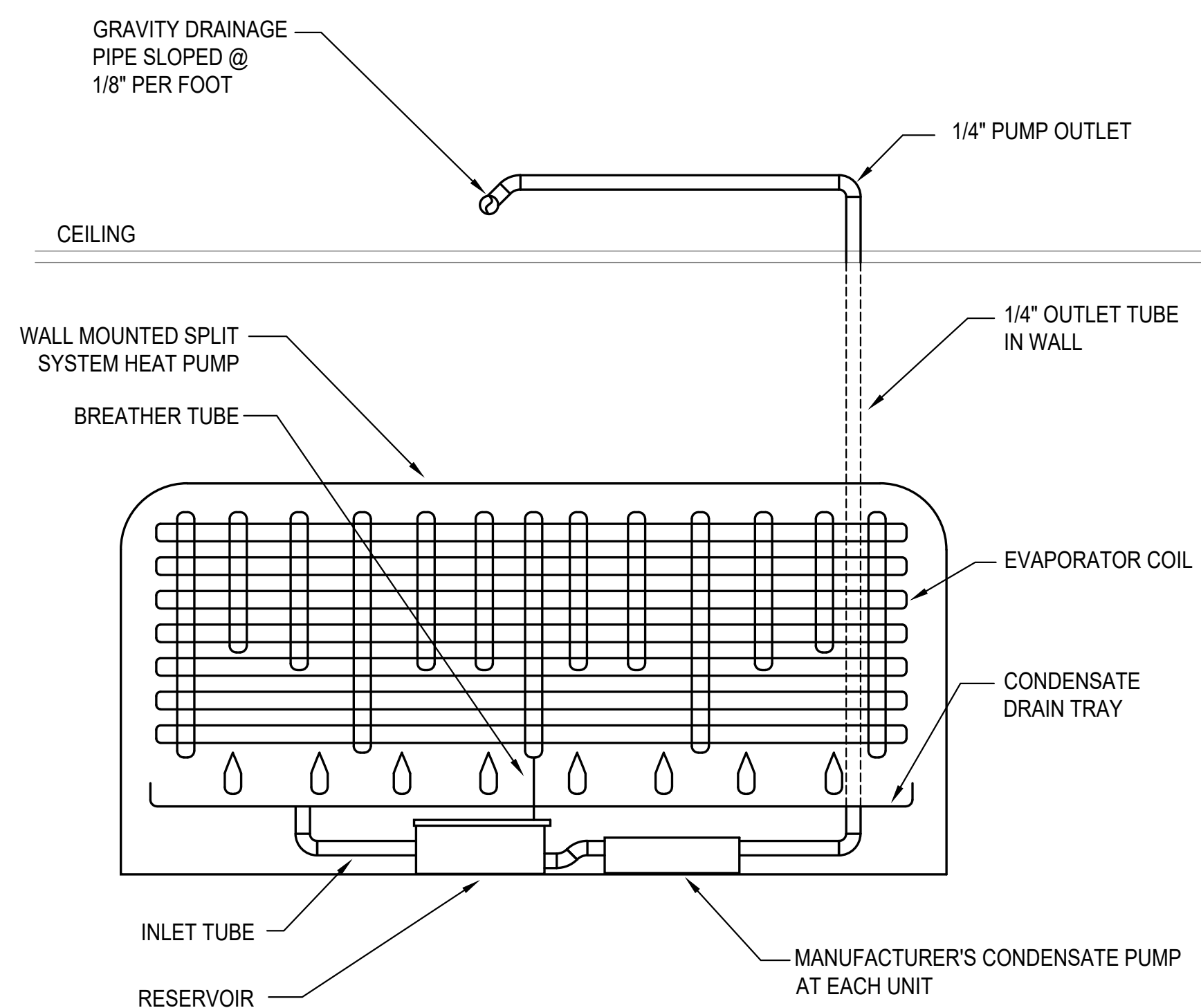
NOTE:
 INSULATE & LABEL PIPING PER. SPEC.

2 TYPICAL PIPE HANGER DETAIL
 P3.1 N.T.S.

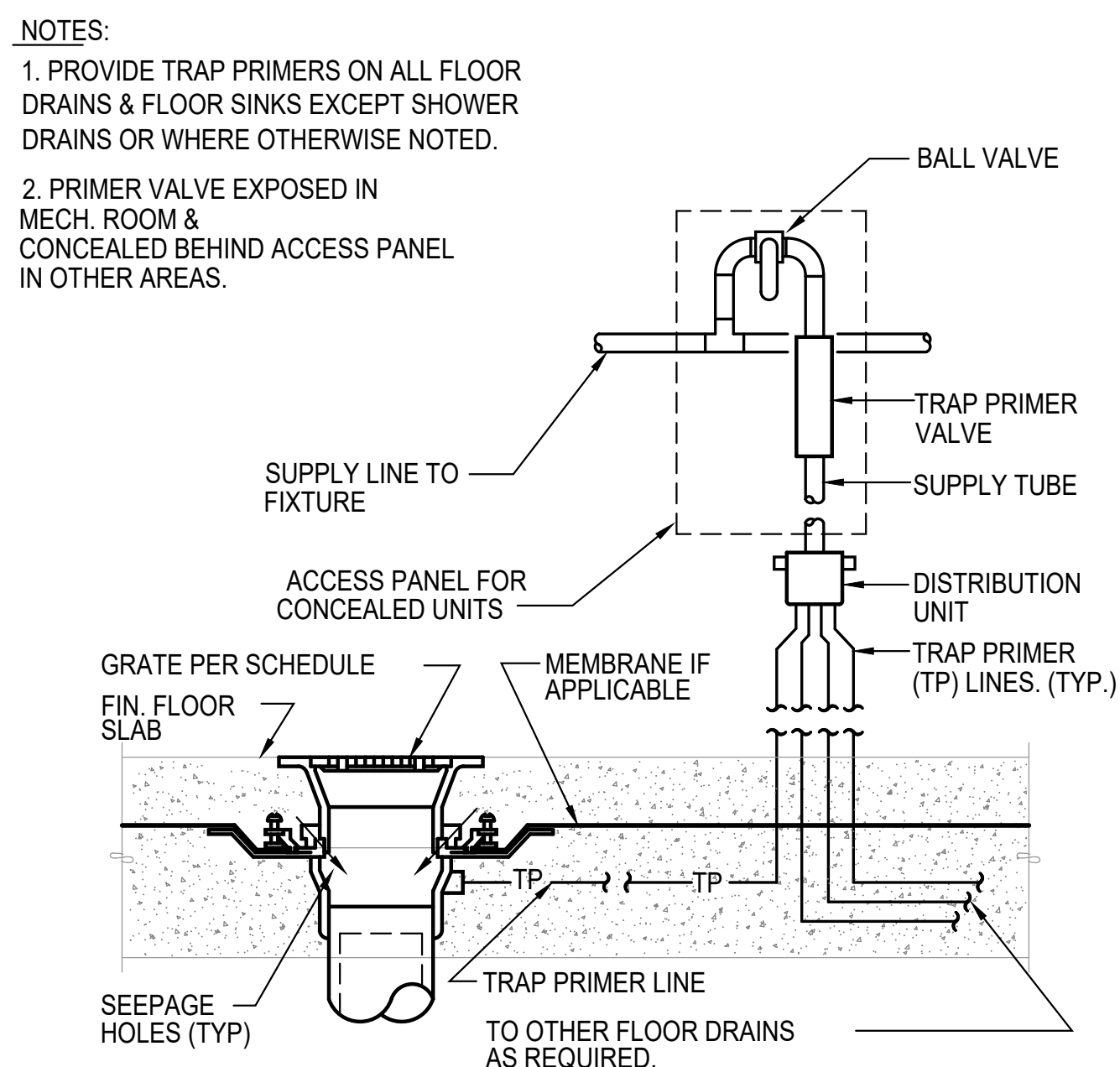


NOTE: QUANTITY OF PIPES SHOWN REPRESENTATIVE ONLY, PROVIDE QUANTITY OF PIPES REQUIRED.

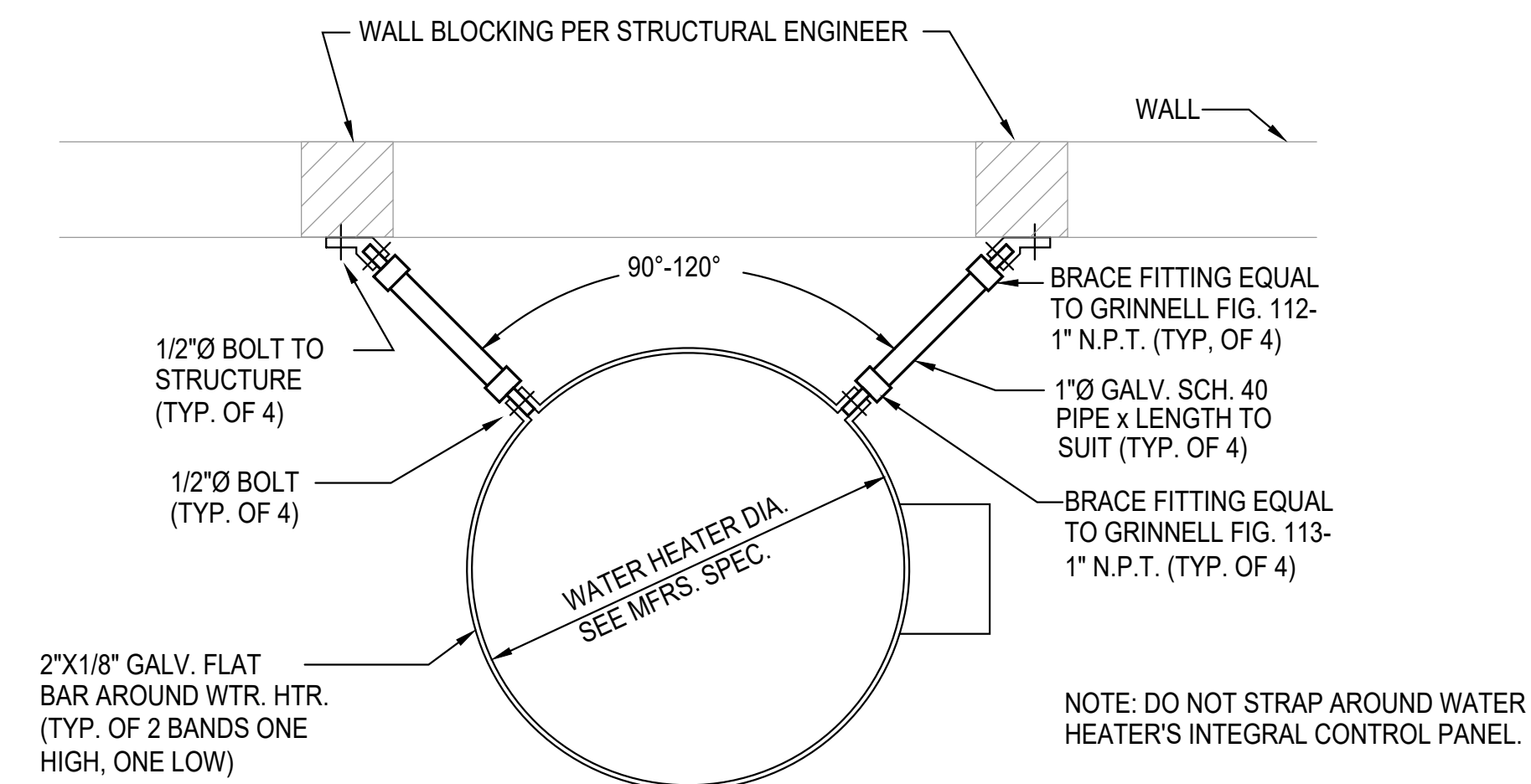
3 SUSPENDED PIPE SUPPORT
 P3.1 N.T.S.



4 WALL MOUNTED SPLIT SYSTEM CONDENSATE DETAIL
 P3.1 N.T.S.



5 TRAP PRIMER DETAIL
 P3.1 N.T.S.

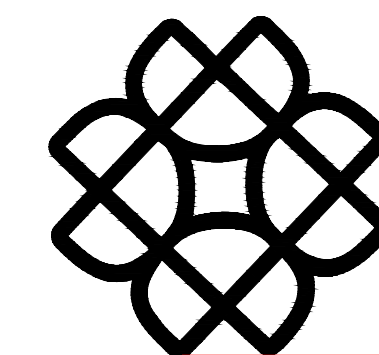


NOTE: VERIFY SIZING FOR SPECIFIC APPLICATION W/ STRUCTURAL ENGINEER.

6 WATER HEATER/ STORAGE TANK SEISMIC BRACING
 P3.1 N.T.S.



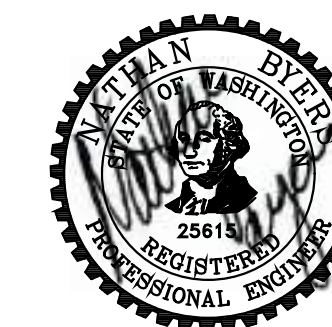
192 Nickerson, Suite #300
 Seattle, Washington 98109
 Phone: 206.285.2966



Reviewed for
 2018 Building Code Compliance
 Lou Flyke
 8/17/23
 Building Plan Review by
 402 15th Avenue East
 Seattle, Washington 98112
 phone: 206.329.8300
 fax: 206.329.5494

SNO VALLEY
 SENIOR HOUSING

31845 W COMMERCIAL ST.
 CARNATION, WA 98014

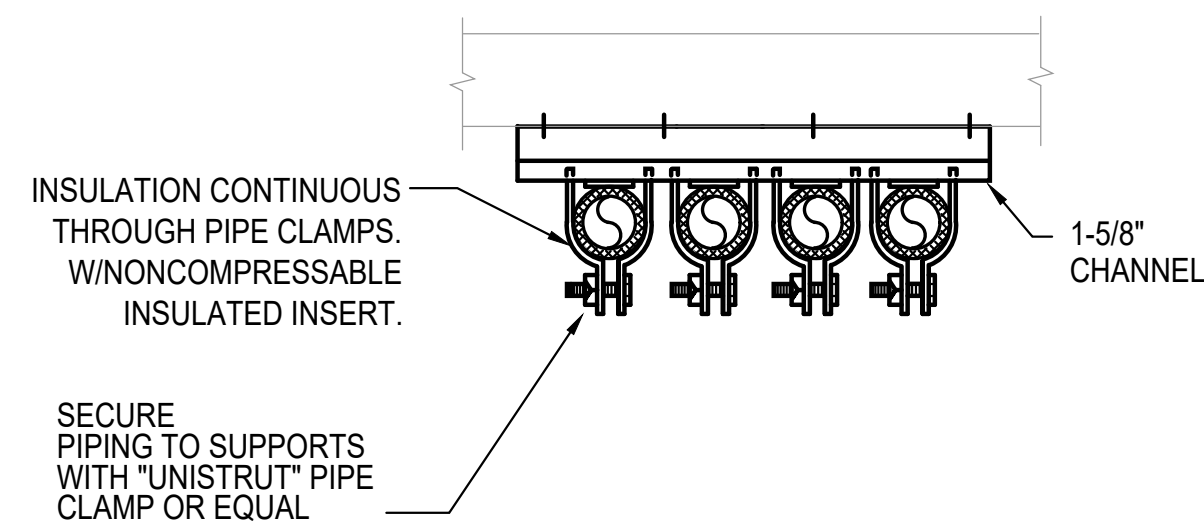


Issuance	
BID SET	
Date	22 MAY 2023
Revisions	
#	Date Description

DETAILS

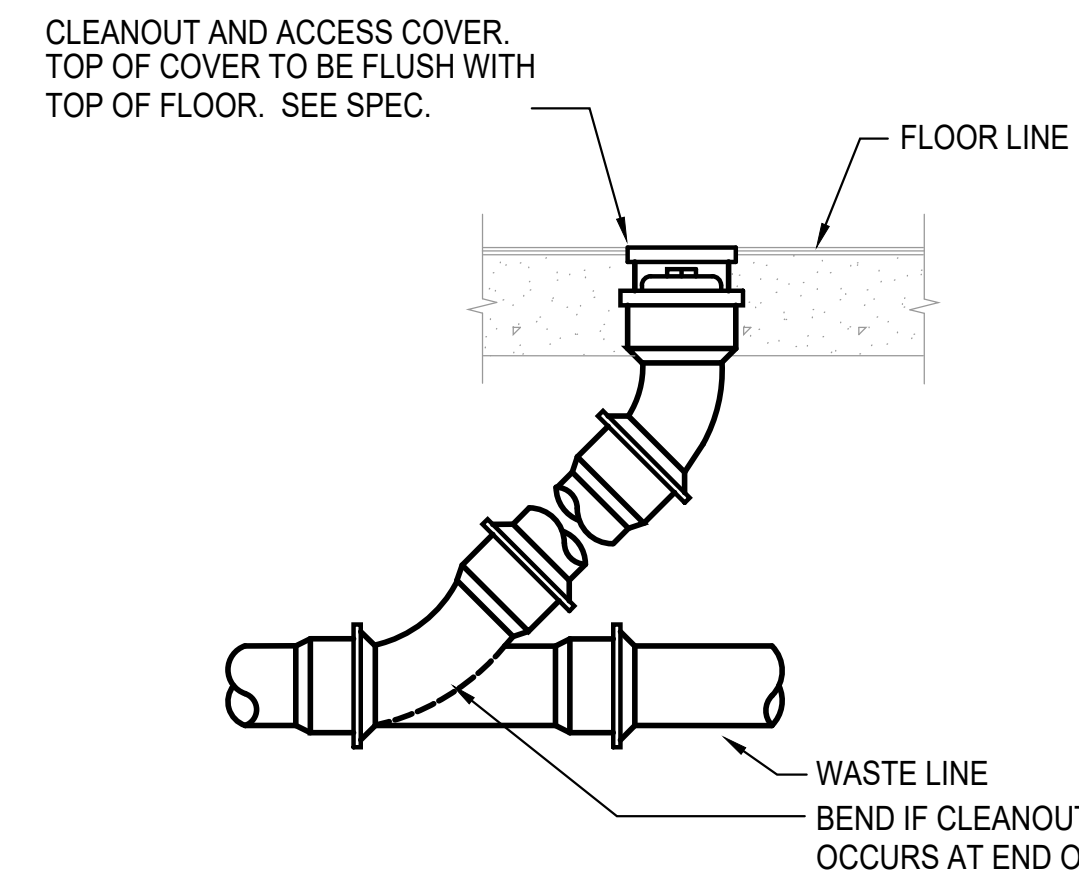
Drawn By:	NB
Checked By (P.M.):	NB
Checked By (O.C.):	NB
Project No.	21035

FOR SDCI USE ONLY

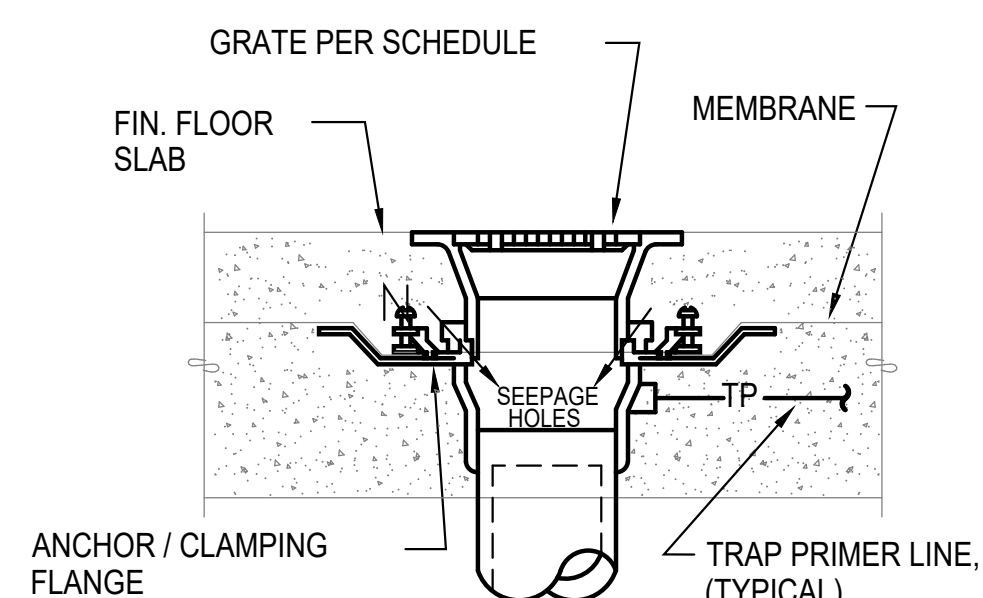


1 PIPE SUPPORT
P3.2 N.T.S.

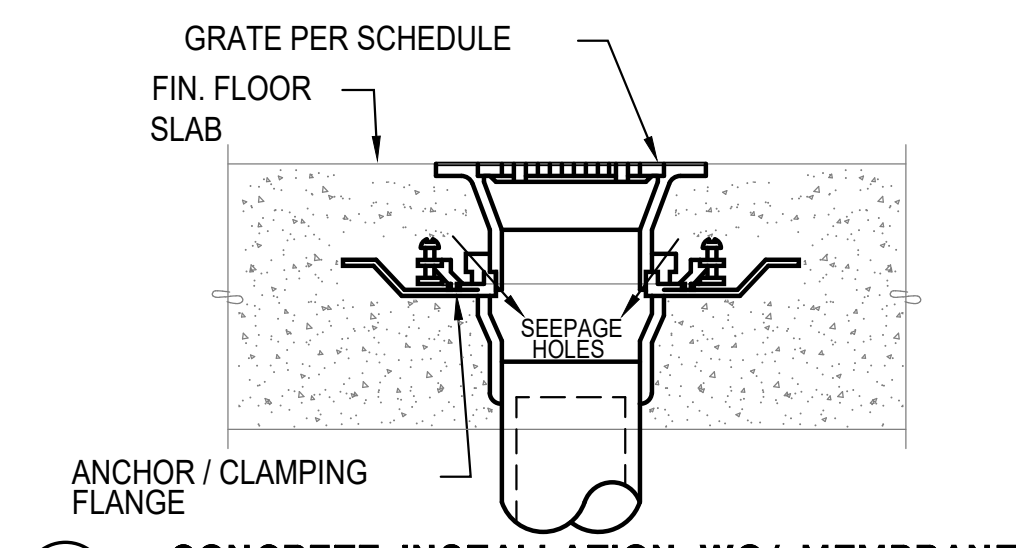
2 NOT USED
P3.2 N.T.S.



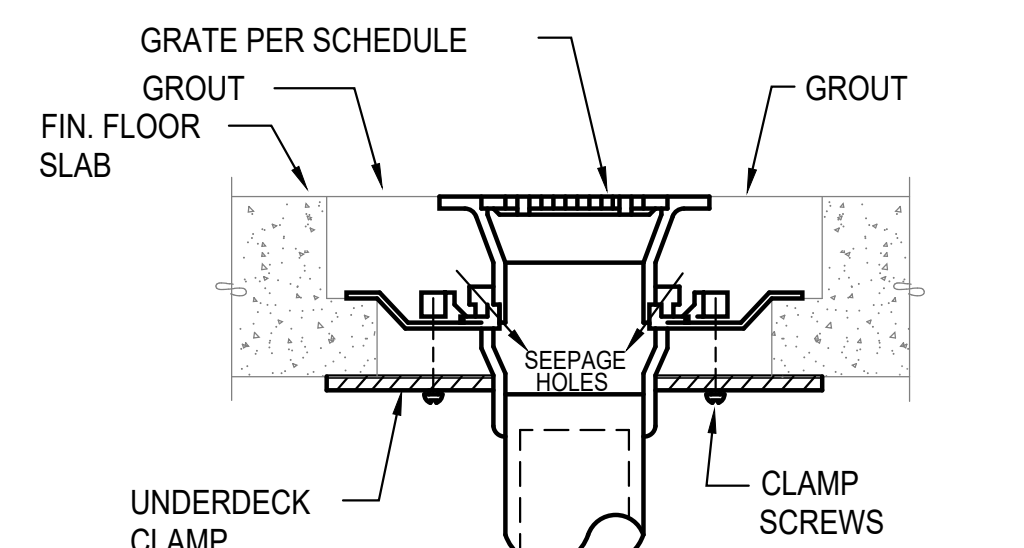
3 FLOOR CLEANOUT DETAIL
P3.2 N.T.S.



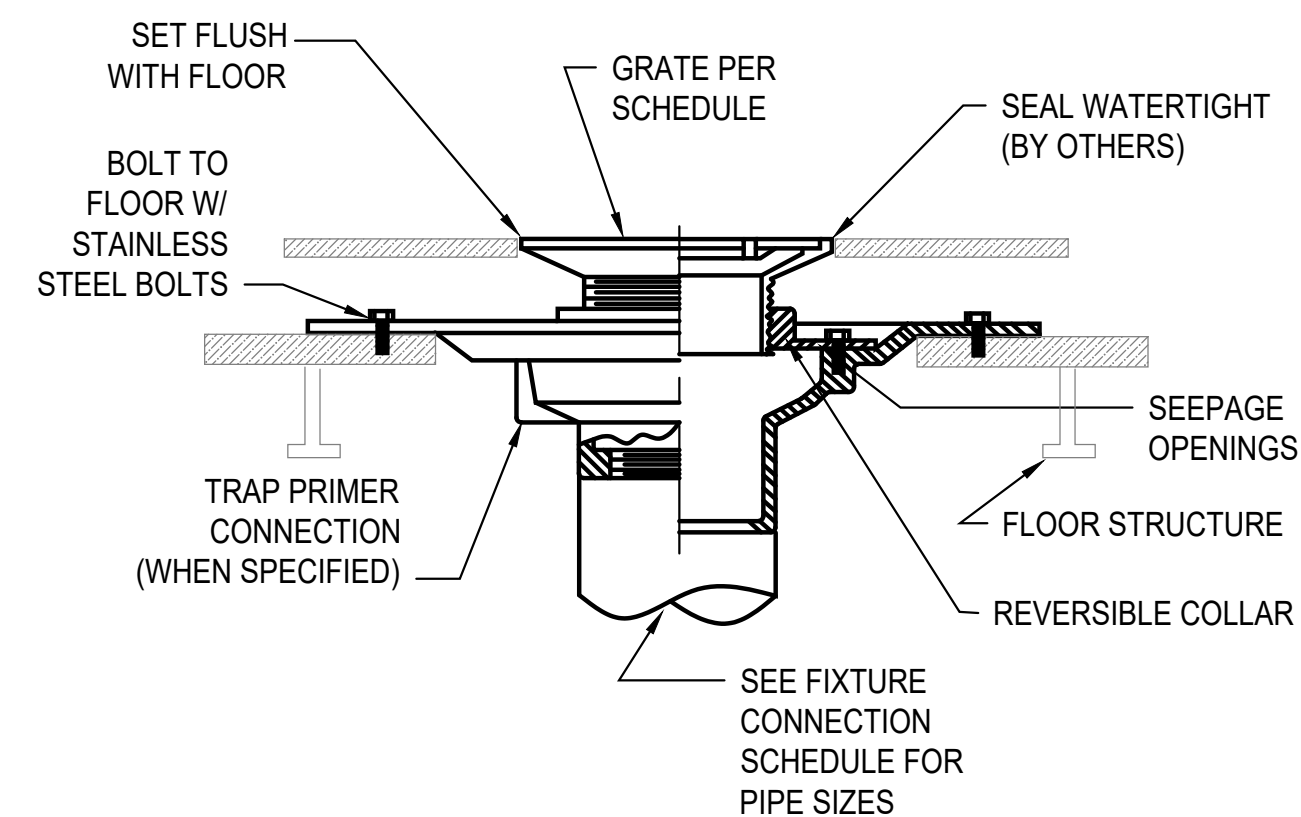
A CONCRETE INSTALLATION W/ MEMBRANE



B CONCRETE INSTALLATION WO/ MEMBRANE



C CONCRETE INSTALLATION W/ CLAMPING RING



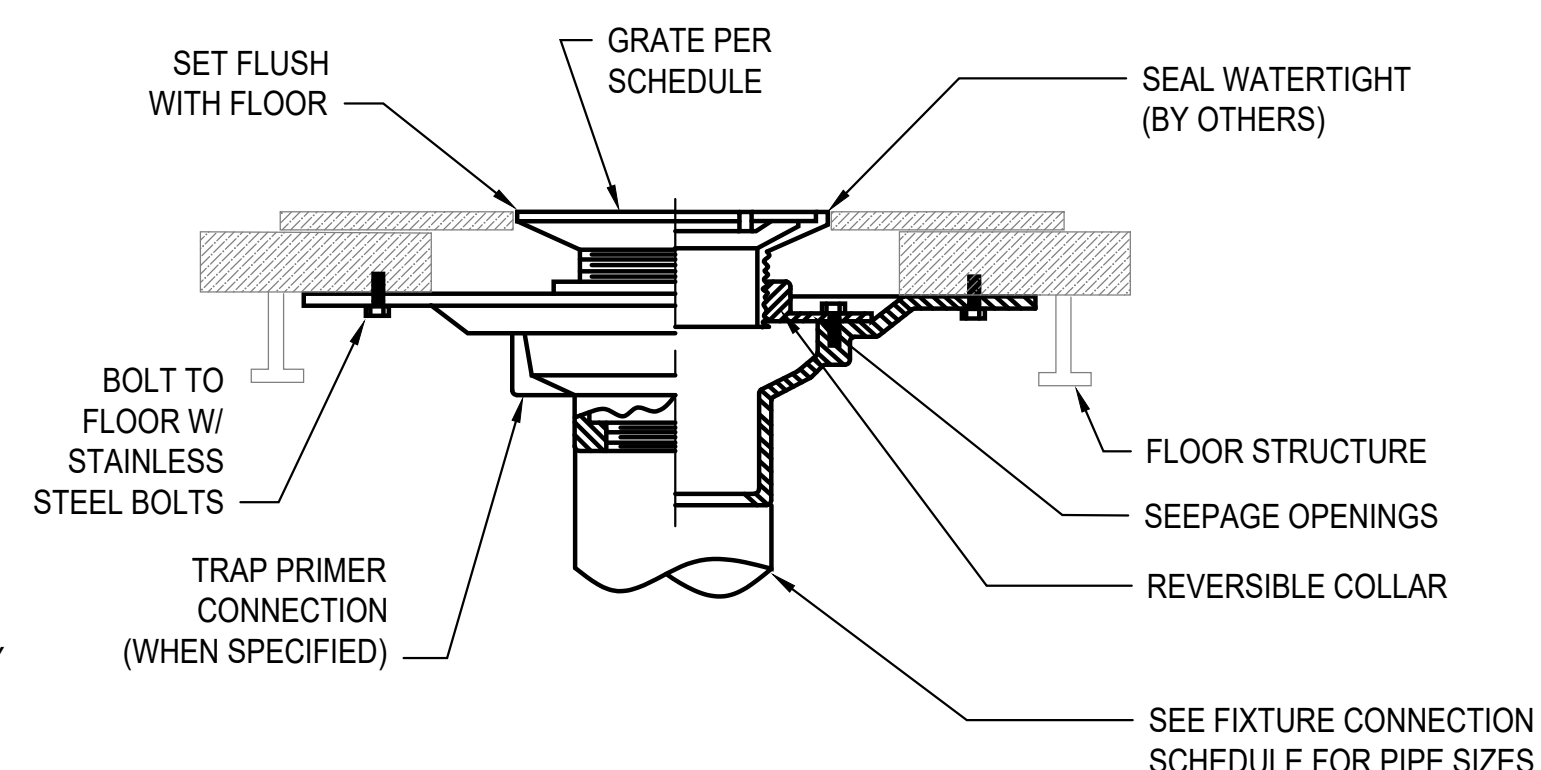
D FOR USE W/ DOUBLE WOOD FLOORS

- NOTES:**
1. VERIFY FLOORING CONSTRUCTION BEFORE ORDERING DRAINS.
 2. FLOOR DRAINS SHALL BE FLUSH TO 1/4" BELOW FINISHED FLOOR.

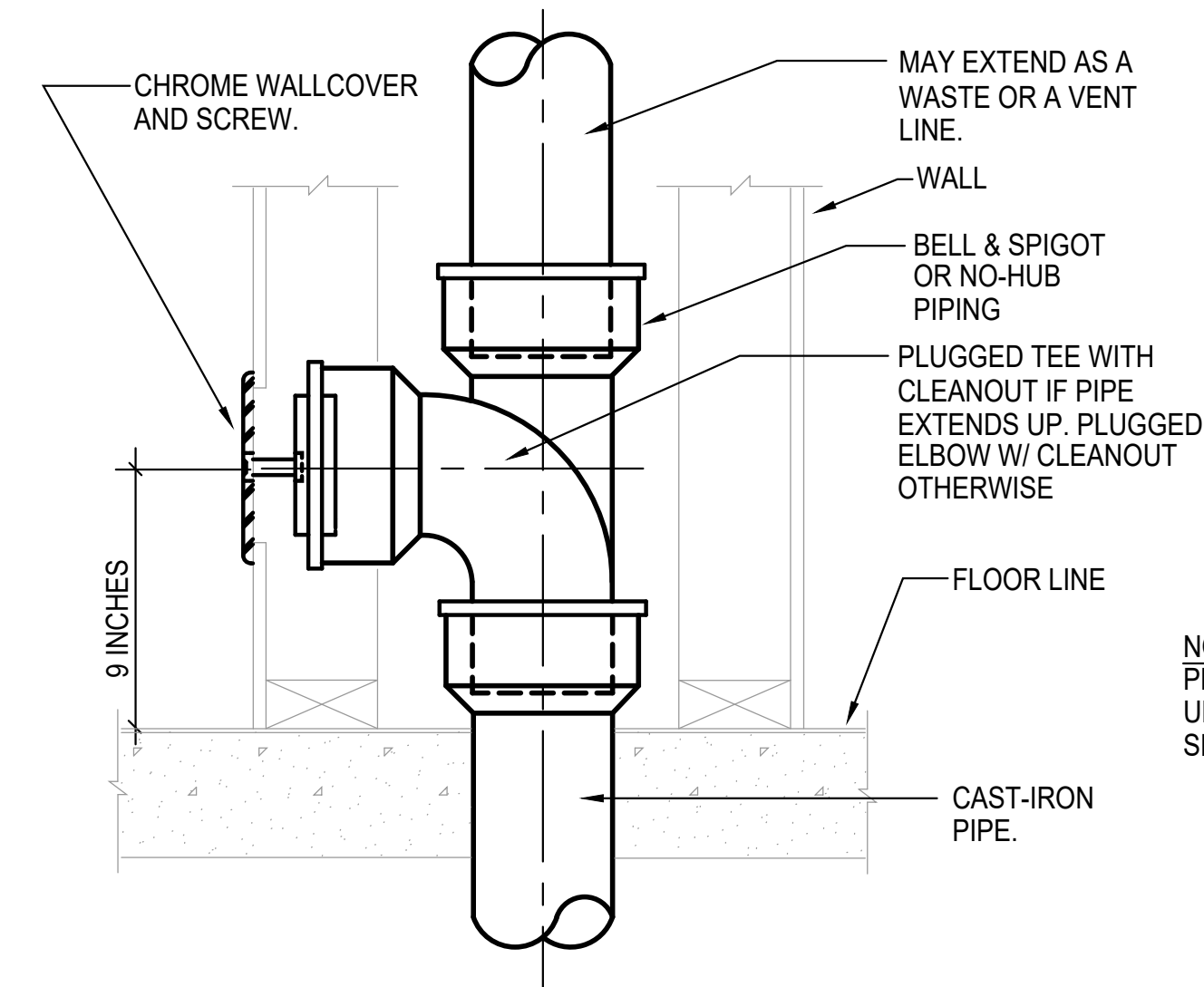
- NOTES FOR WOOD FLOOR INSTALLATION**
1. VERIFY ASSEMBLY PROCEDURE W/ FLOORING MANUFACTURER.
 2. ONLY INSTALL FLOOR DRAINS COMPATIBLE WITH WOOD CONSTRUCTION.
 3. VERIFY FLOOR ASSEMBLY WITH ARCHITECT TO DETERMINE APPROPRIATE INSTALLATION METHOD.
 4. VERIFY DRAIN IS COMPATIBLE WITH FLOOR ASSEMBLY BEFORE ORDERING.

FLOOR DRAIN / SINK INSTALLATION STYLES

4 P3.2 N.T.S.

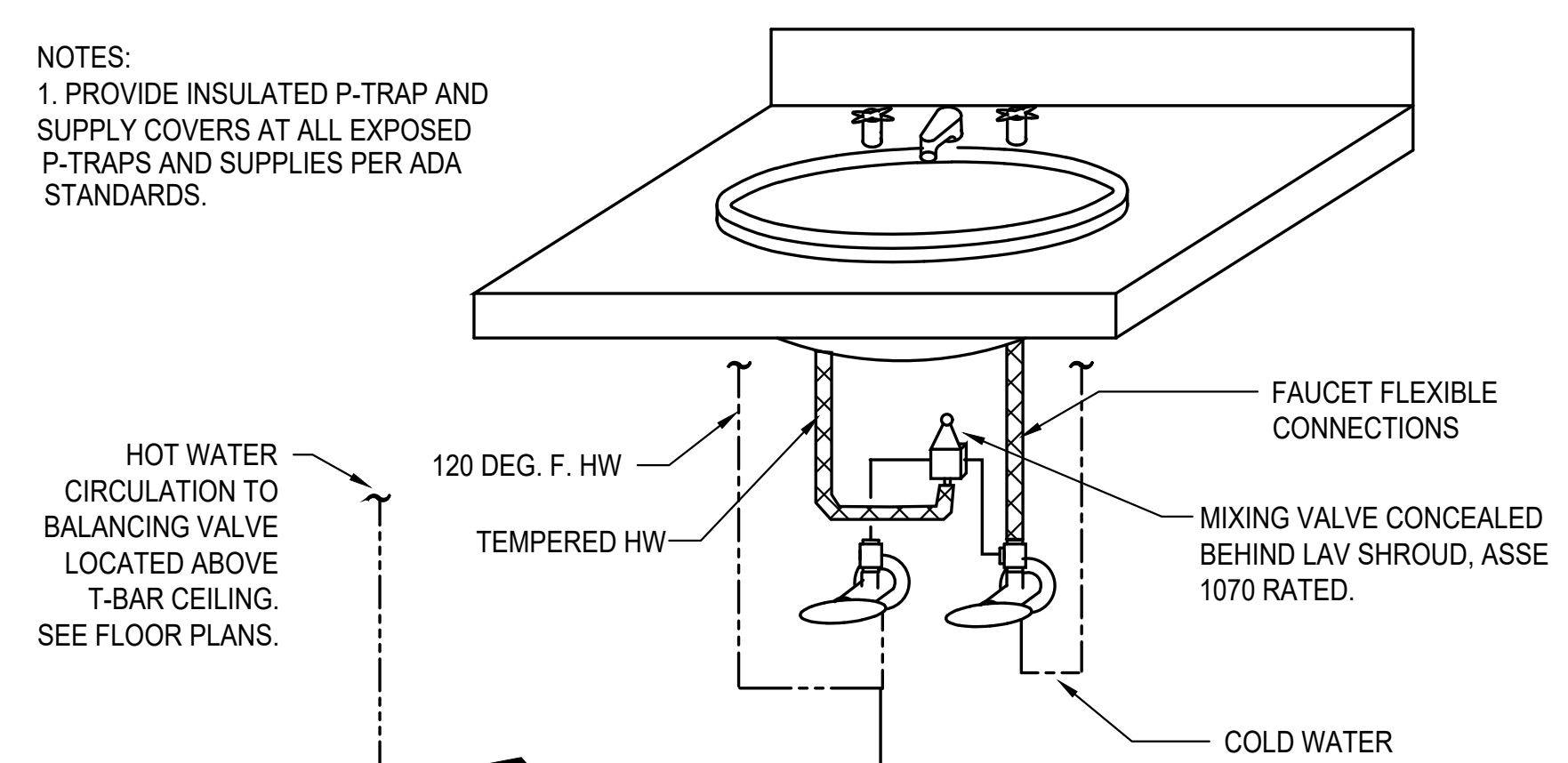


E FOR USE W/ SINGLE WOOD FLOORS

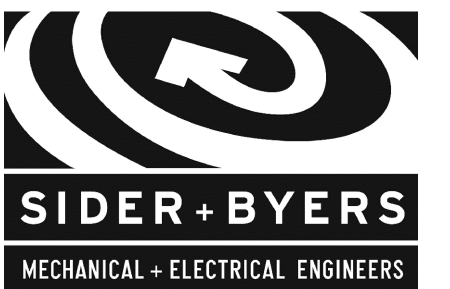


5 WALL CLEANOUT DETAIL
P3.2 N.T.S.

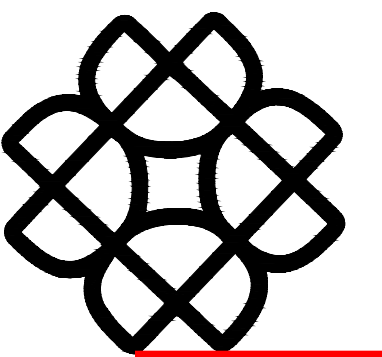
- NOTES:**
1. PROVIDE INSULATED P-TRAP AND SUPPLY COVERS AT ALL EXPOSED P-TRAPS AND SUPPLIES PER ADA STANDARDS.



6 PUBLIC LAVATORY WATER CONNECTION DETAIL
P3.2 N.T.S.



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed for
2018 Building Code Compliance
Lou Flynn
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
CARNATION, WA 98014

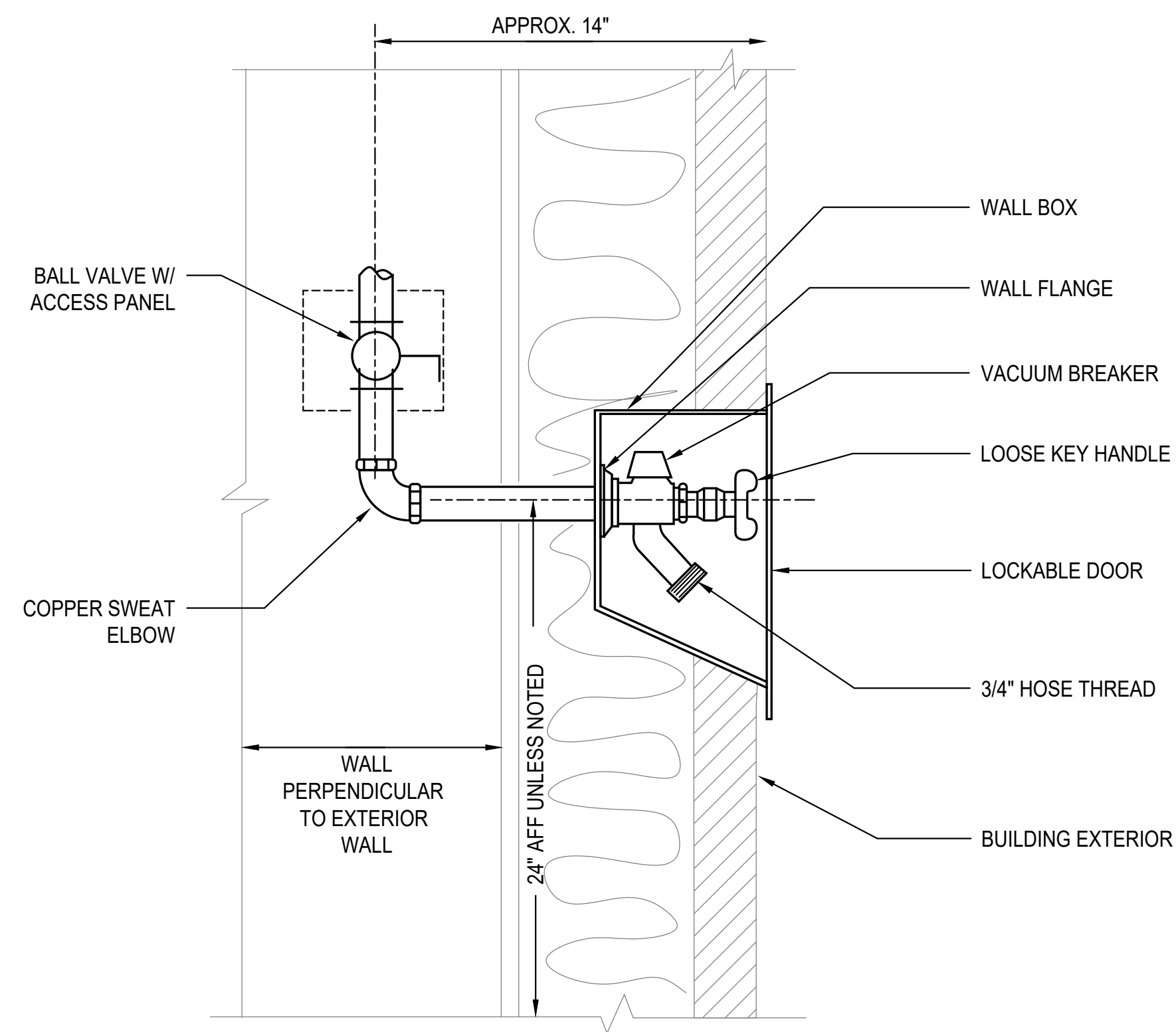


#	Date	Description
		Issuance
		BID SET
		Date
		22 MAY 2023
		Revisions

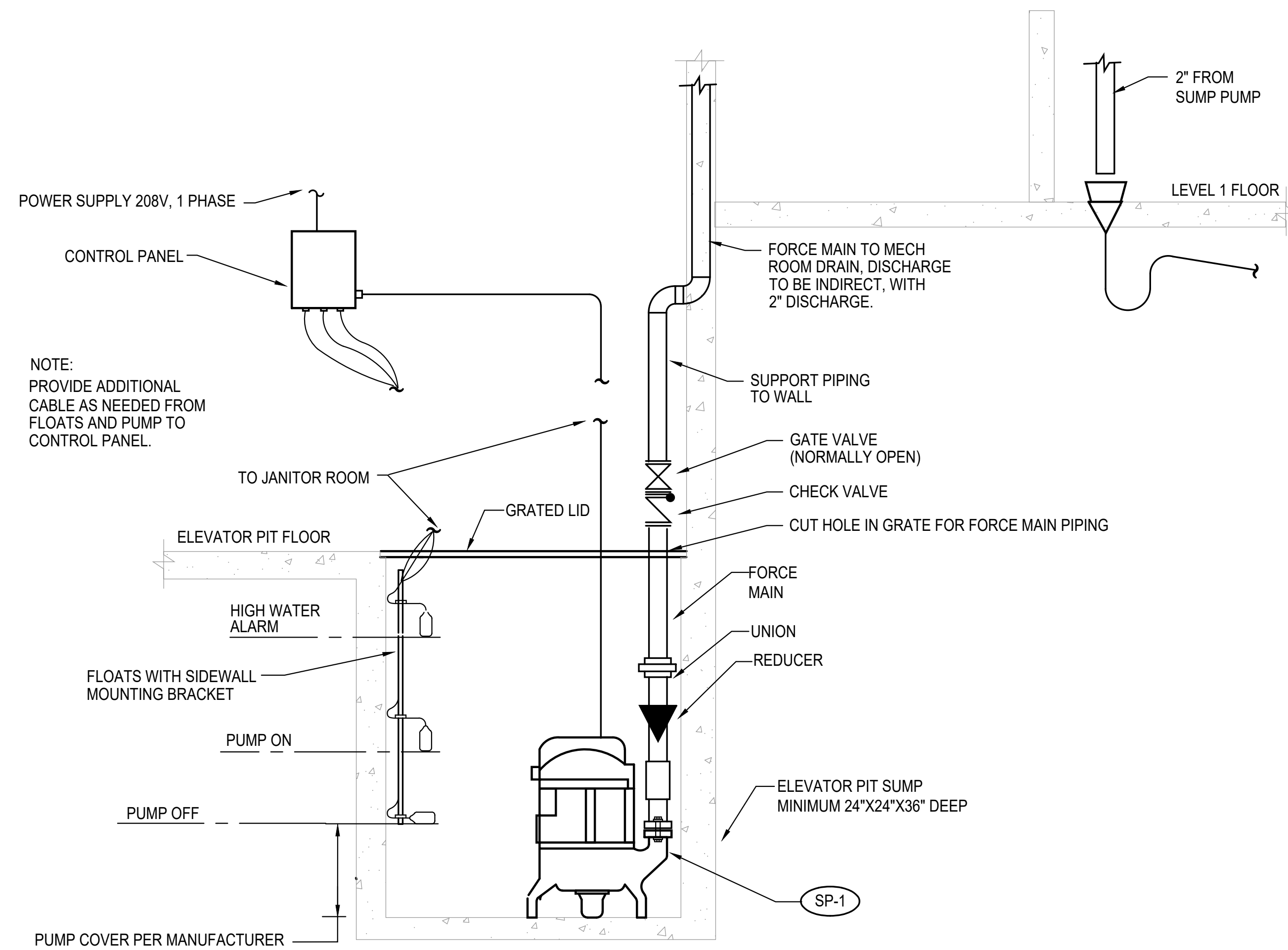
DETAILS

Drawn By:	NB
Checked By (P.M.):	NB
Checked By (O.C.):	NB
Project No.:	21035

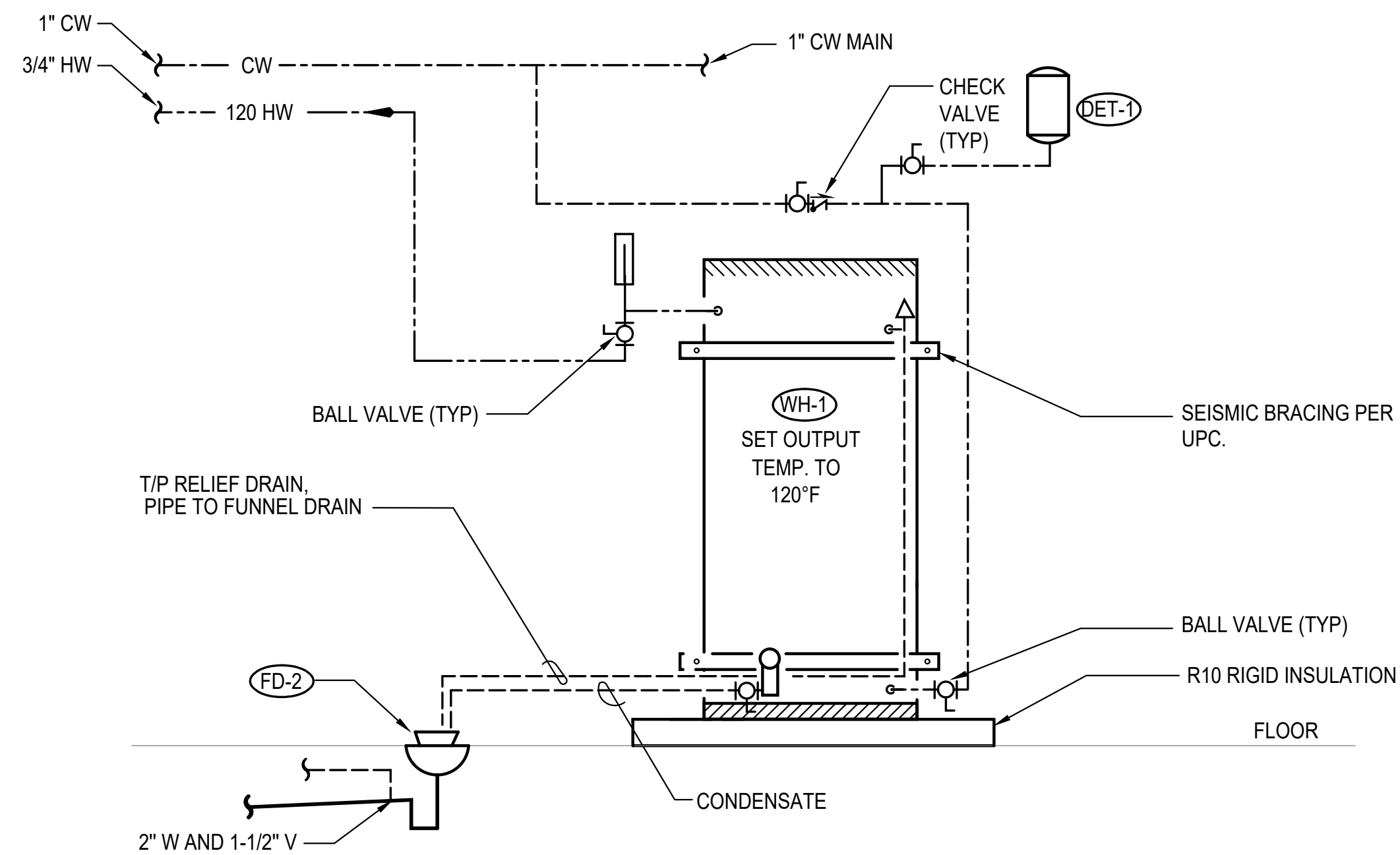
FOR SDCI USE ONLY



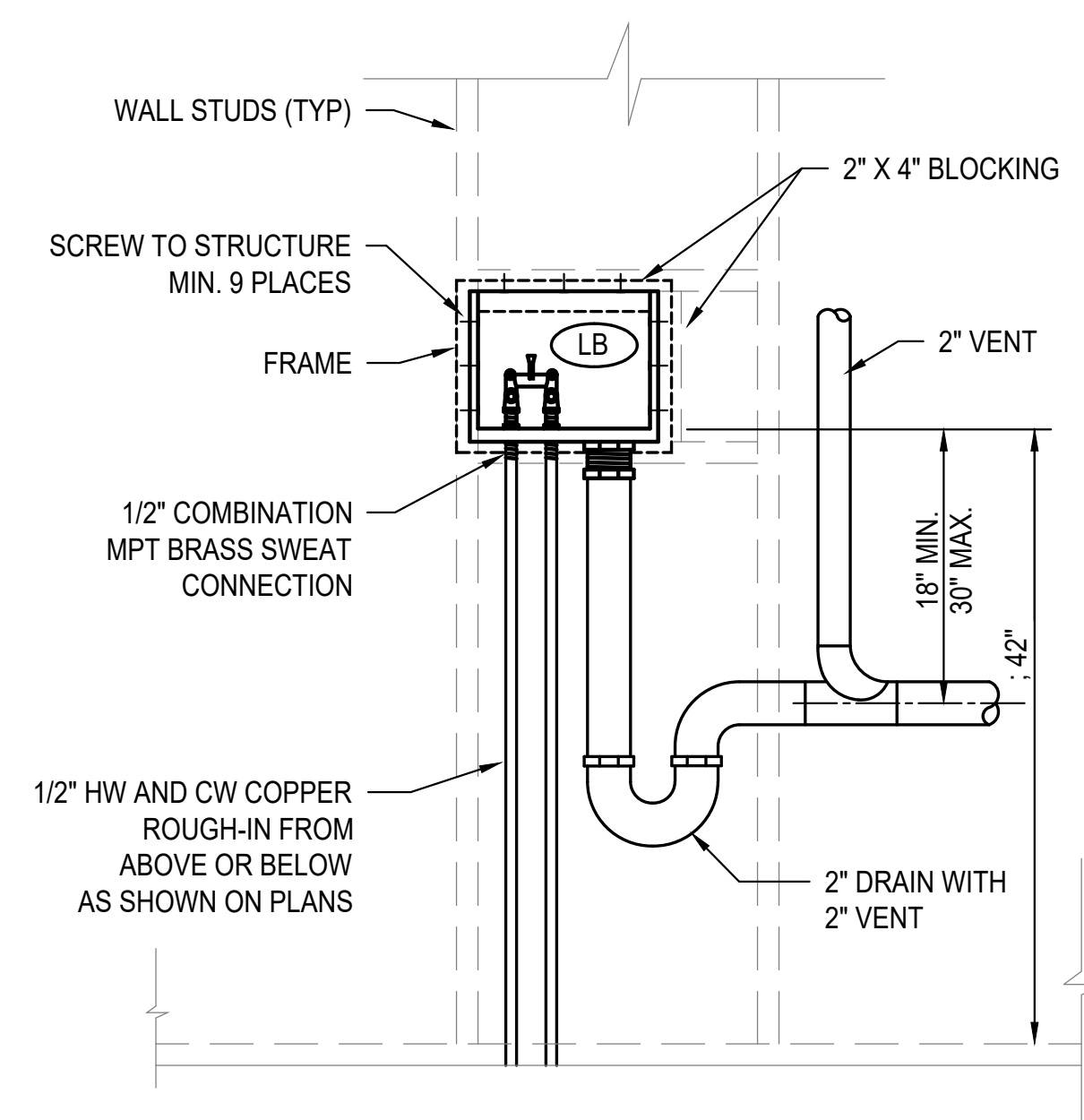
1 FREEZE PROOF HOSE BIBB DETAIL
P3.3 N.T.S.



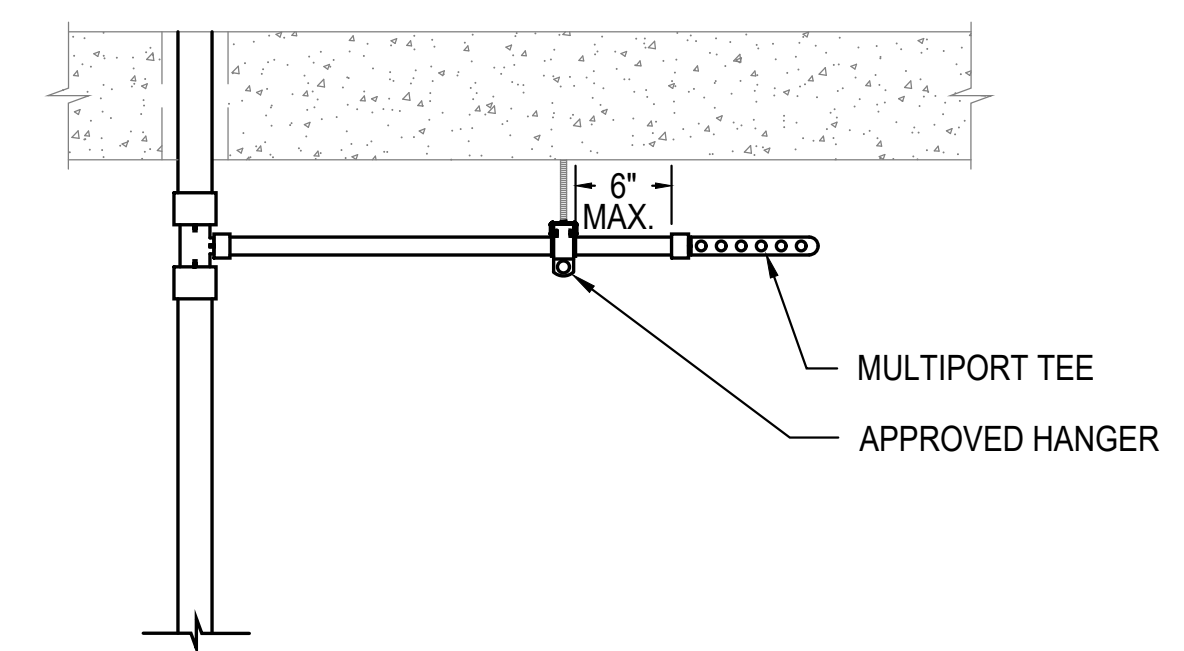
2 ELEVATOR SUMP PUMP DETAIL
P3.3 N.T.S.



3 WATER HEATER DETAIL
P3.3 N.T.S.

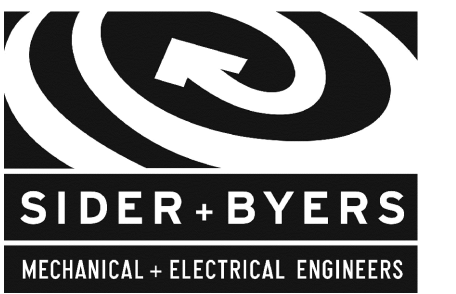


4 LAUNDRY BOX DETAIL
P3.3 N.T.S.

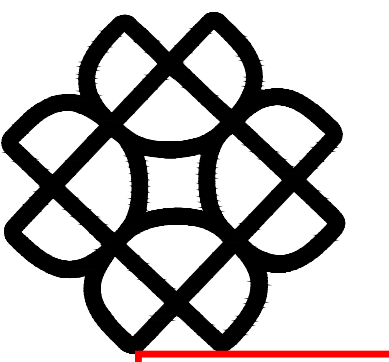


5 PEX MULTIPORT TEE
P3.3 N.T.S.

NOTES:
 1. INSTALL PER MANUFACTURER'S INSTRUCTIONS.



192 Nickerson, Suite #300
 Seattle, Washington 98109
 Phone: 206.285.2966



Reviewed for
 2018 Building Code Compliance
 8/17/23
 Building Plan Review by
 Lou Flyke
 402 1st Avenue East
 Seattle, Washington 98112
 phone: 206.329.8300
 fax: 206.329.5494

**SNO VALLEY
 SENIOR HOUSING**

31845 W COMMERCIAL ST.
 CARNATION, WA 98014



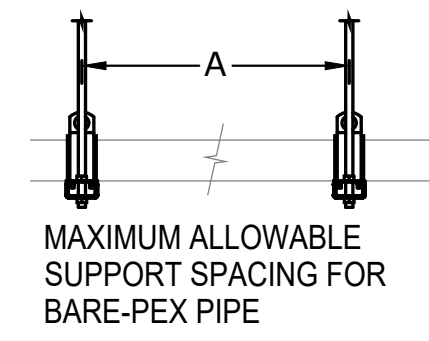
Issuance	
BID SET	
Date	
22 MAY 2023	
Revisions	
#	Date
Description	

DETAILS

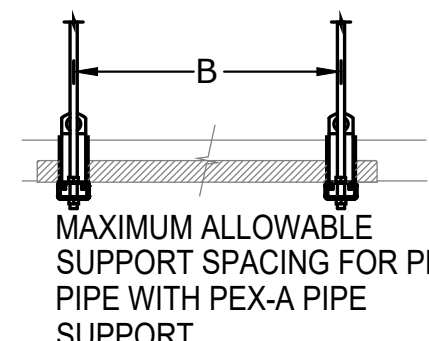
Drawn By:	NB
Checked By (P.M.):	NB
Checked By (O.C.):	NB
Project No.:	21035

FOR SDCI USE ONLY

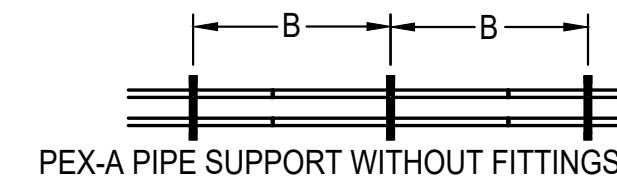
HORIZONTAL SUPPORT SPACING REQUIREMENTS FOR UPONOR PEX PIPE:



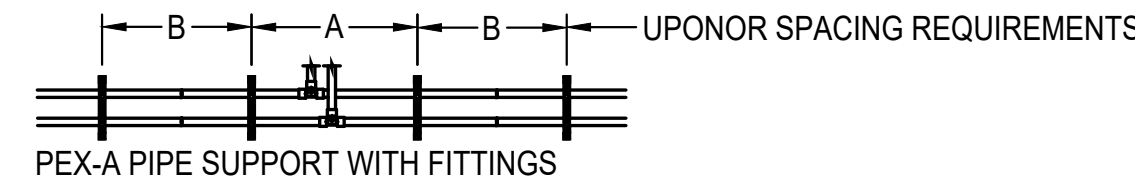
MAXIMUM ALLOWABLE SUPPORT SPACING FOR BARE-PEX PIPE



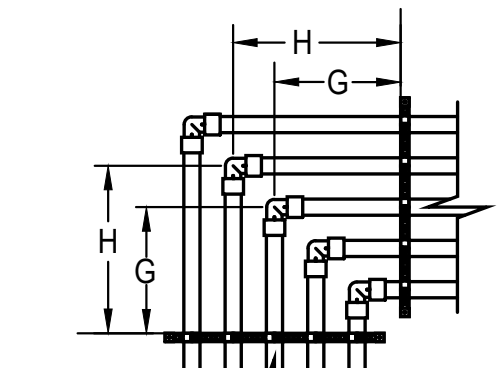
MAXIMUM ALLOWABLE SUPPORT SPACING FOR PEX PIPE WITH PEX-A PIPE SUPPORT



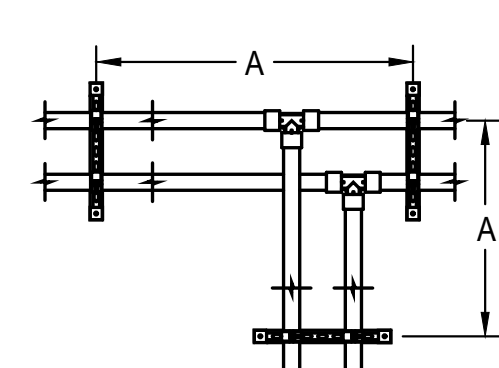
PEX-A PIPE SUPPORT WITHOUT FITTINGS



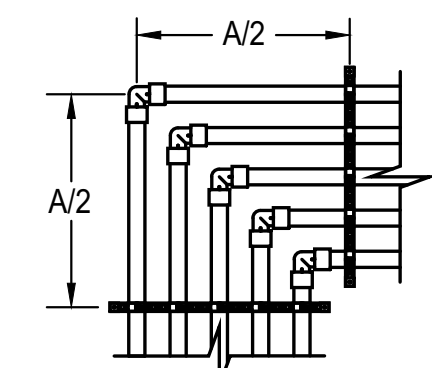
PEX-A PIPE SUPPORT WITH FITTINGS



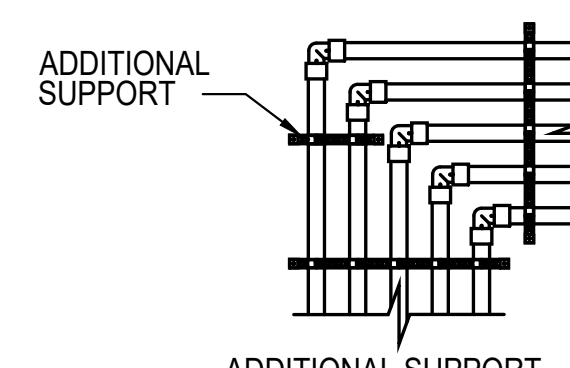
CORNER SUPPORT EXAMPLE
DISTANCE G = 16"
TOTAL DISTANCE FOR G = 32"
(16 + 16)
DISTANCE H = > 16"
TOTAL DISTANCE FOR H = > 32"



SUPPORT REQUIREMENTS FOR FITTINGS



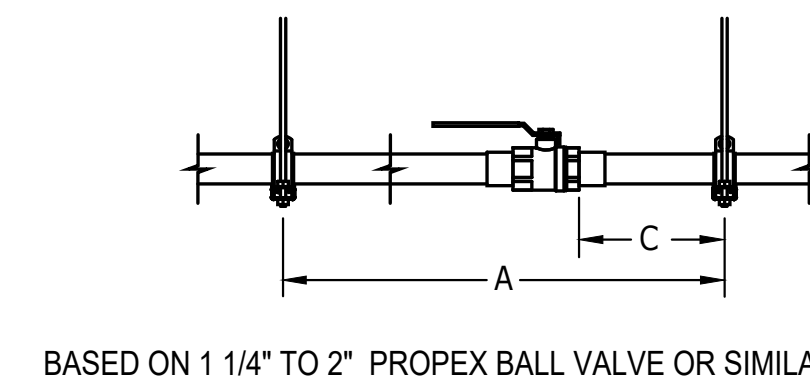
SUPPORT REQUIREMENTS FOR FITTINGS AT CORNERS



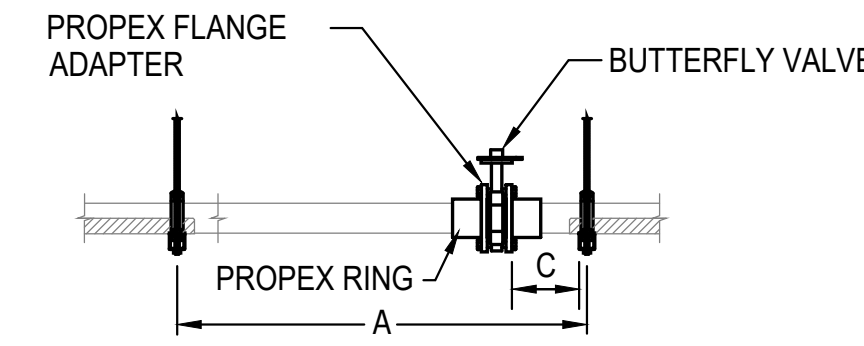
ADDITIONAL SUPPORT REQUIREMENTS FOR FITTINGS AT CORNERS

1 HORIZONTAL PEX SUPPORT
P3.4 N.T.S.

Nominal Pipe Size	Spacing for Bare PEX-Dimension "A"			Spacing w/ PEX-a Pipe Support-Dimension "B"			Dimension "C"
	IPC	UPC	NPCC	IPC	UPC	NPCC	
1/2"	32"	32"	32"	6'-0"	6'-0"	6'-0"	...
3/4"	32"	32"	32"	6'-0"	6'-0"	6'-0"	...
1"	32"	32"	32"	8'-0"	8'-0"	8'-0"	...
1 1/4"	32"	48"	32"	8'-0"	8'-0"	8'-0"	18"
1 1/2"	32"	48"	32"	8'-0"	8'-0"	8'-0"	18"
2"	32"	48"	32"	8'-0"	8'-0"	8'-0"	18"
2 1/2"	32"	48"	32"	8'-0"	8'-0"	8'-0"	7"
3"	32"	48"	32"	8'-0"	8'-0"	8'-0"	7"



BASED ON 1 1/4" TO 2" PROPEX BALL VALVE OR SIMILAR



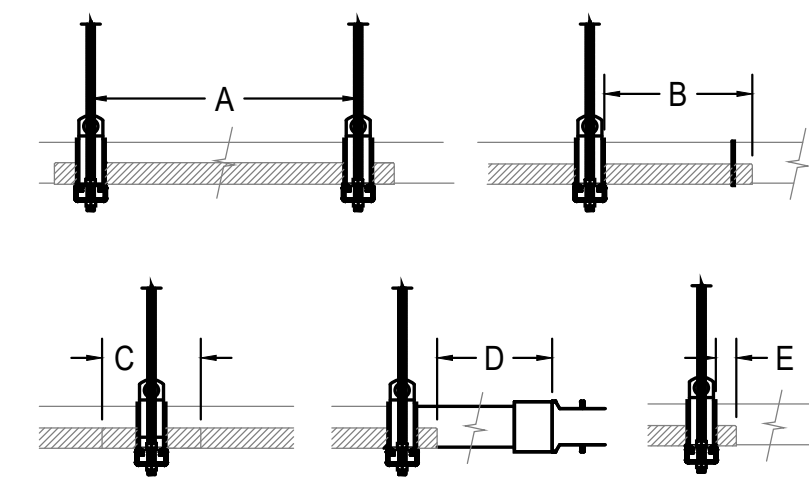
BASED ON 2 1/2" TO 3" DUCTILE-IRON BUTTERFLY VALVES OR SIMILAR

NOTE: IF DIMENSION C CANNOT BE MET ADDITIONAL SUPPORT SHALL BE ADDED.

2 PEX VALVE SUPPORT
P3.4 N.T.S.

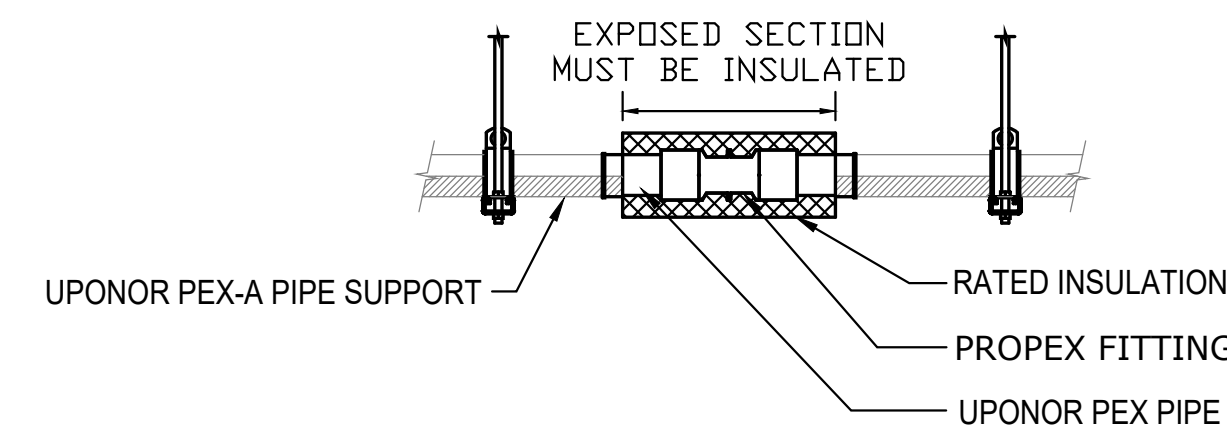
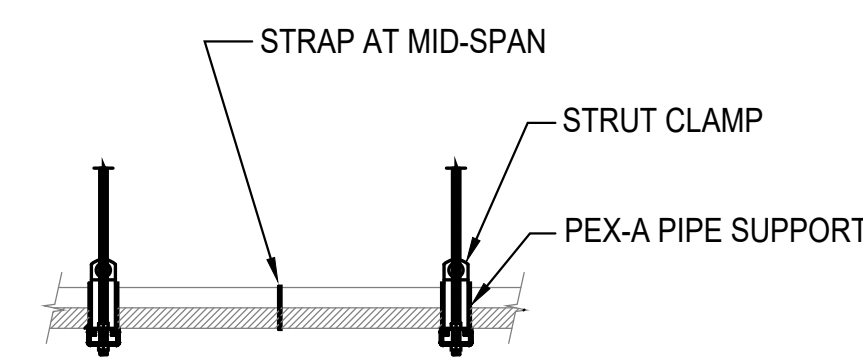
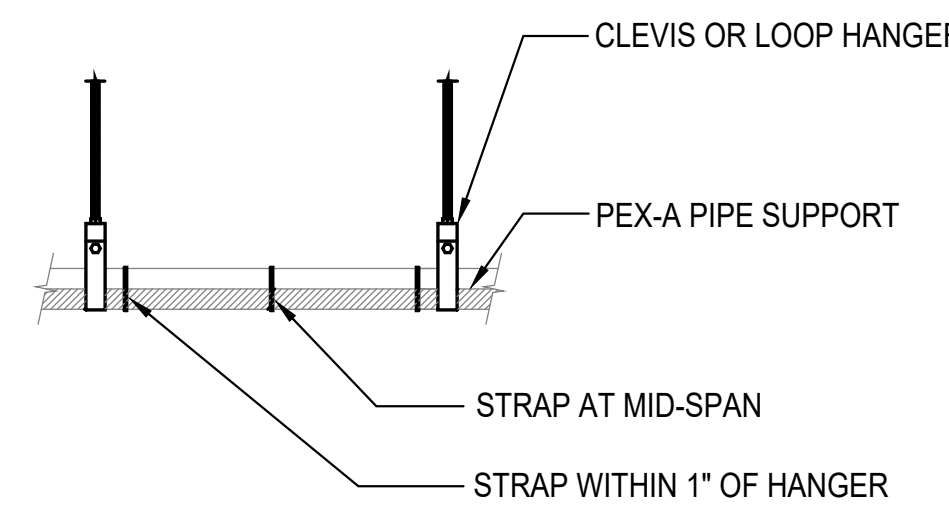
Nominal Pipe Size	Spacing for Bare PEX-Dimension "A"			Spacing w/ PEX-a Pipe Support-Dimension "B"			Dimension "C"
	IPC	UPC	NPCC	IPC	UPC	NPCC	
1/2"	32"	32"	32"	6'-0"	6'-0"	6'-0"	...
3/4"	32"	32"	32"	6'-0"	6'-0"	6'-0"	...
1"	32"	32"	32"	8'-0"	8'-0"	8'-0"	...
1 1/4"	32"	48"	32"	8'-0"	8'-0"	8'-0"	18"
1 1/2"	32"	48"	32"	8'-0"	8'-0"	8'-0"	18"
2"	32"	48"	32"	8'-0"	8'-0"	8'-0"	18"
2 1/2"	32"	48"	32"	8'-0"	8'-0"	8'-0"	7"
3"	32"	48"	32"	8'-0"	8'-0"	8'-0"	7"

UPONOR SPACING REQUIREMENTS



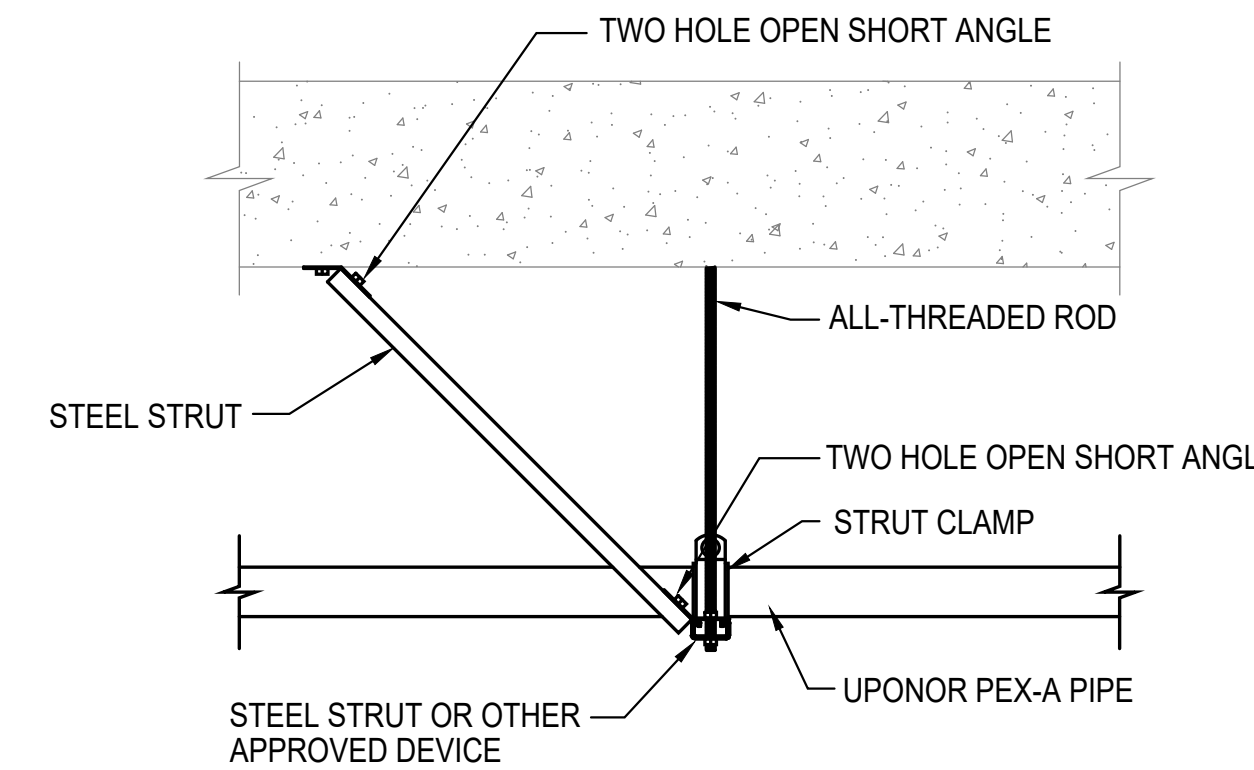
Nominal Pipe Size	Max. Support Spacing (A)	Max. Cantilever (B)	Min. Overlap (C)	Min. Distance to Fitting (D)	Min. Overhang (E)
1/2"	6'-0"	18"	6"	1 1/4"	1'
3/4"	6'-0"			1 3/4"	
1"	6'-0"	2 1/4"			
1 1/4"	6'-0"	2 3/4"			
1 1/2"	6'-0"	3"			
2"	6'-0"	4"			
2 1/2"	6'-0"	5"			
3"	6'-0"	6"			

Support	Maximum Distance
Clamps	Greater than 48" = 1 strap mid-span
Hangers	Less than 48" = 2 straps equally spaced Greater than 48" = 3 straps (1 mid-span and 1 on each end placed 2" from end of support)

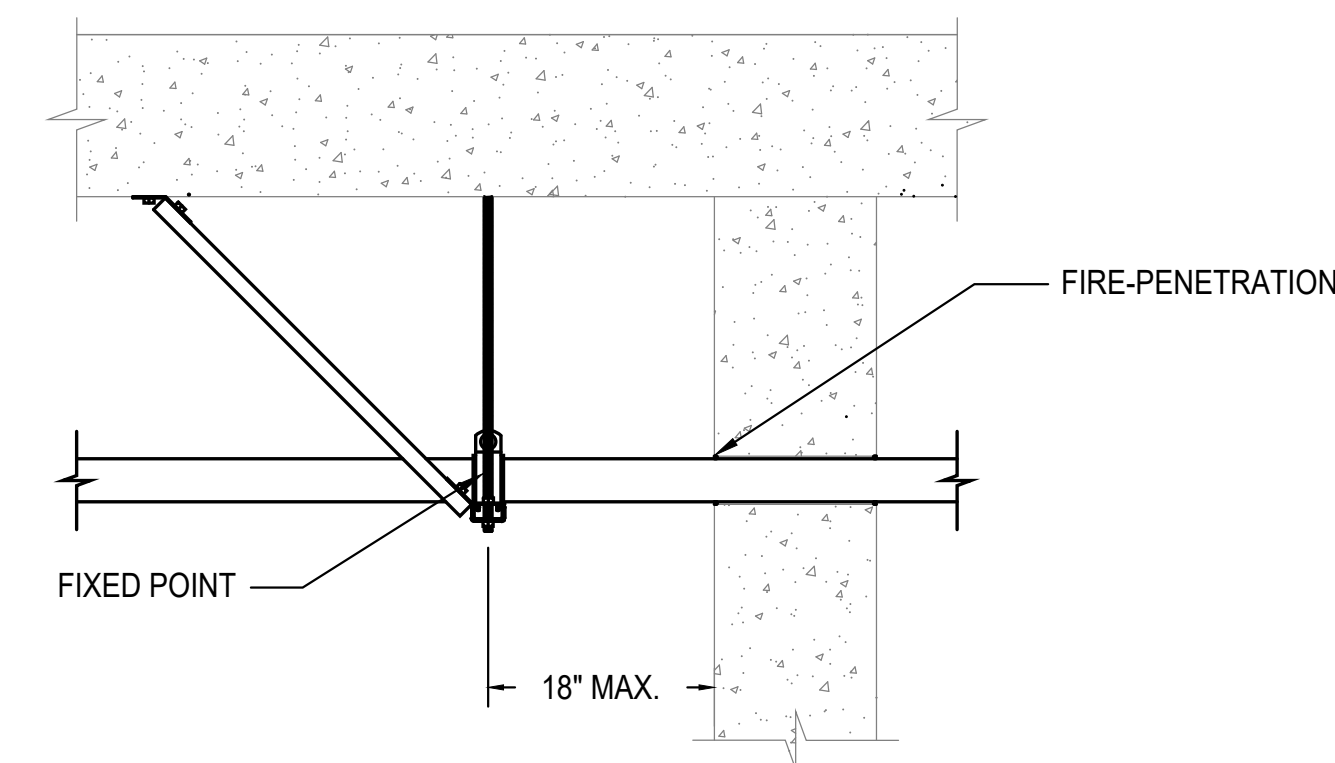


PEX-A PIPE SUPPORT INSTALLATIONS IN ASTM E84 APPLICATIONS

3 HORIZONTAL PEX W/ PIPE SUPPORT
P3.4 N.T.S.



4 FIXED PEX EXPANSION ANCHOR
P3.4 N.T.S.



5 FIXED PEX ANCHOR CLEARANCE
P3.4 N.T.S.

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
CARNATION, WA 98014

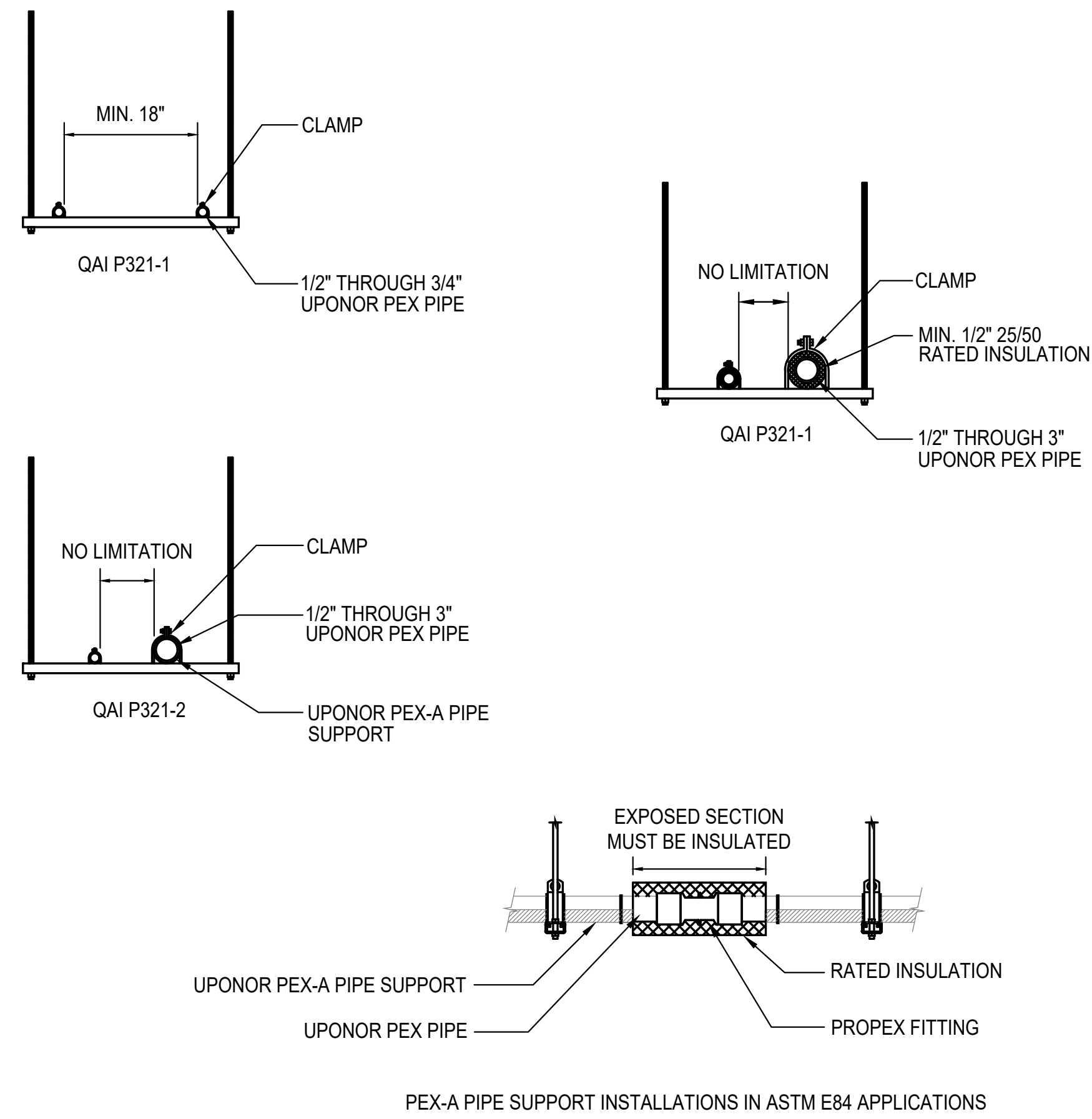


#	Date	Description

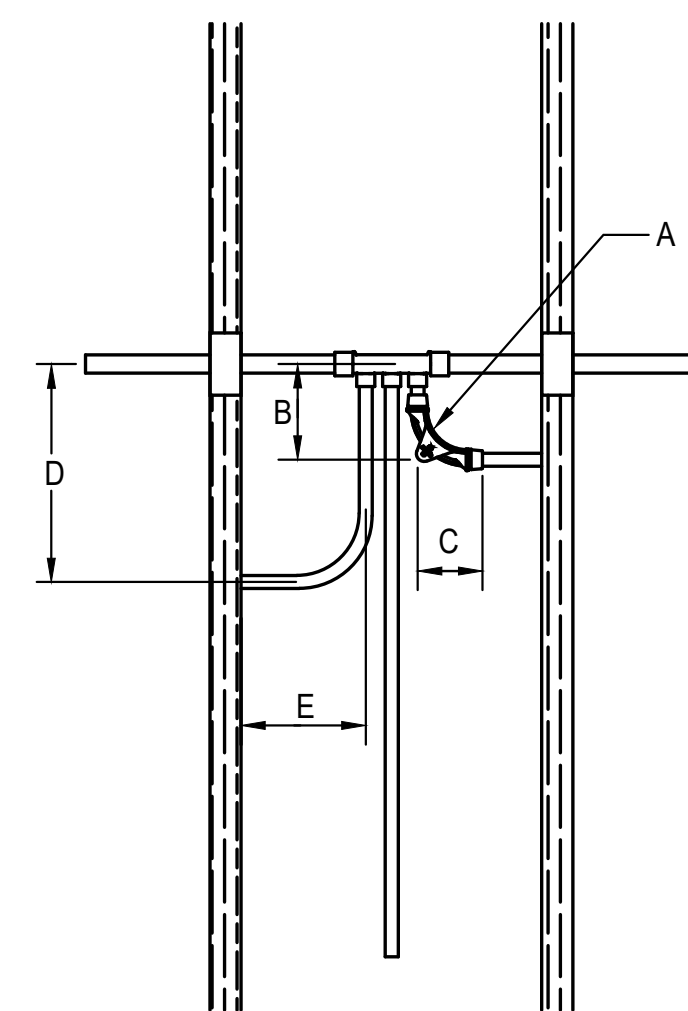
DETAILS

Drawn By:	NB
Checked By (P.M.):	NB
Checked By (O.C.):	NB
Project No.:	21035

FOR SDCI USE ONLY

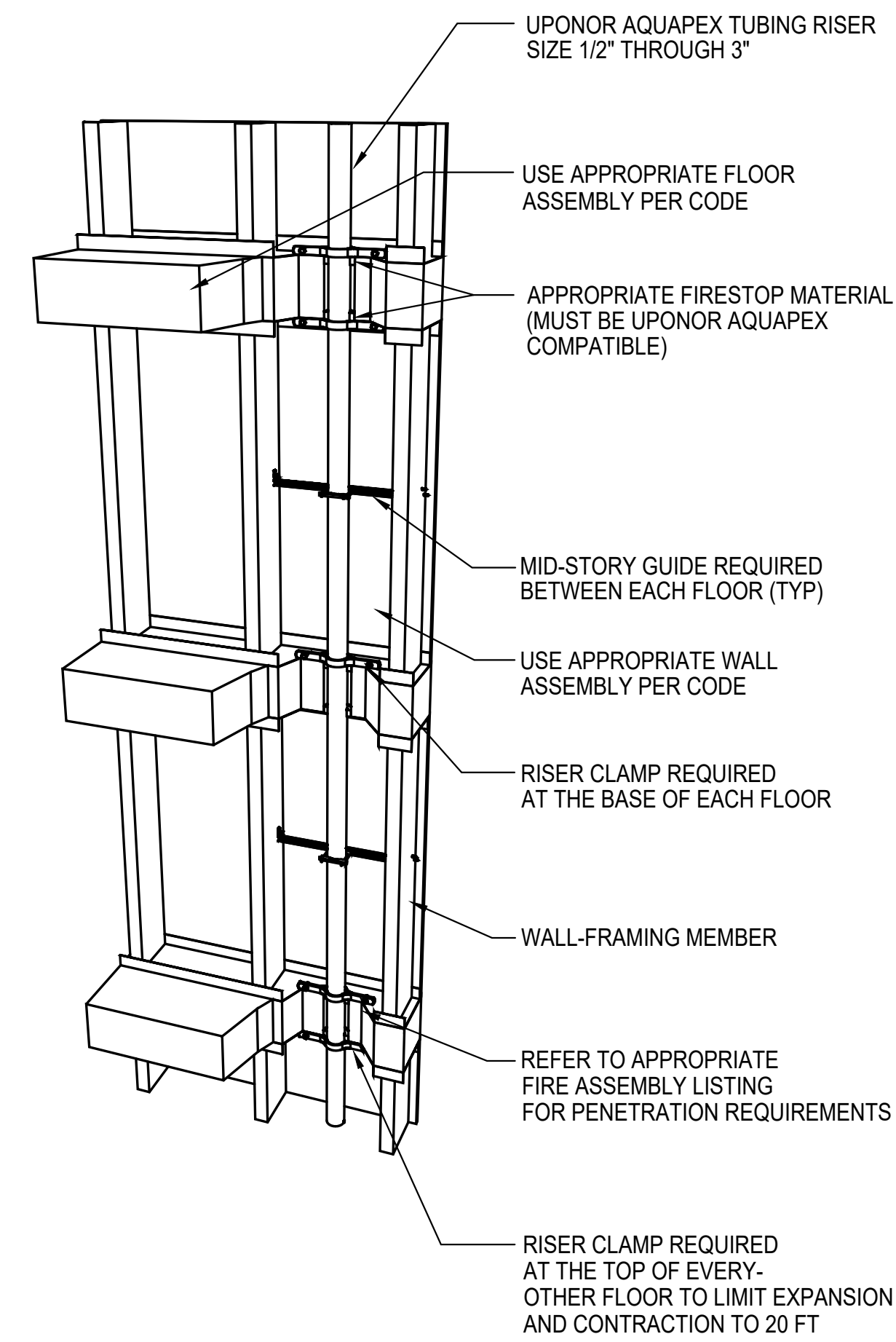


1 PEX SUPPORT IN PLENUM
P3.5 N.T.S.



	Min. Distances with Bend Support (in.)			Min. Distances without Bend Support (in.)	
	A	B	C	D	E
1/2"	R 2.5	5	5	10	6
3/4"	R 3.8	8	8	16	12
1"	n/a	n/a	n/a	22	18

3 PEX BAND SUPPORT DISTANCES
P3.5 N.T.S.

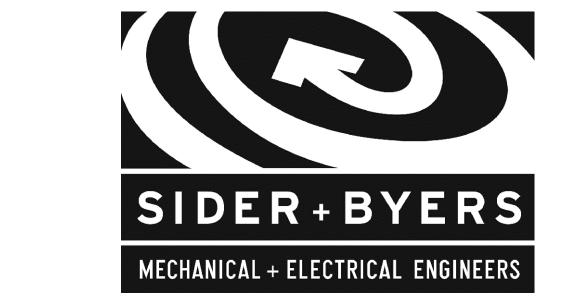
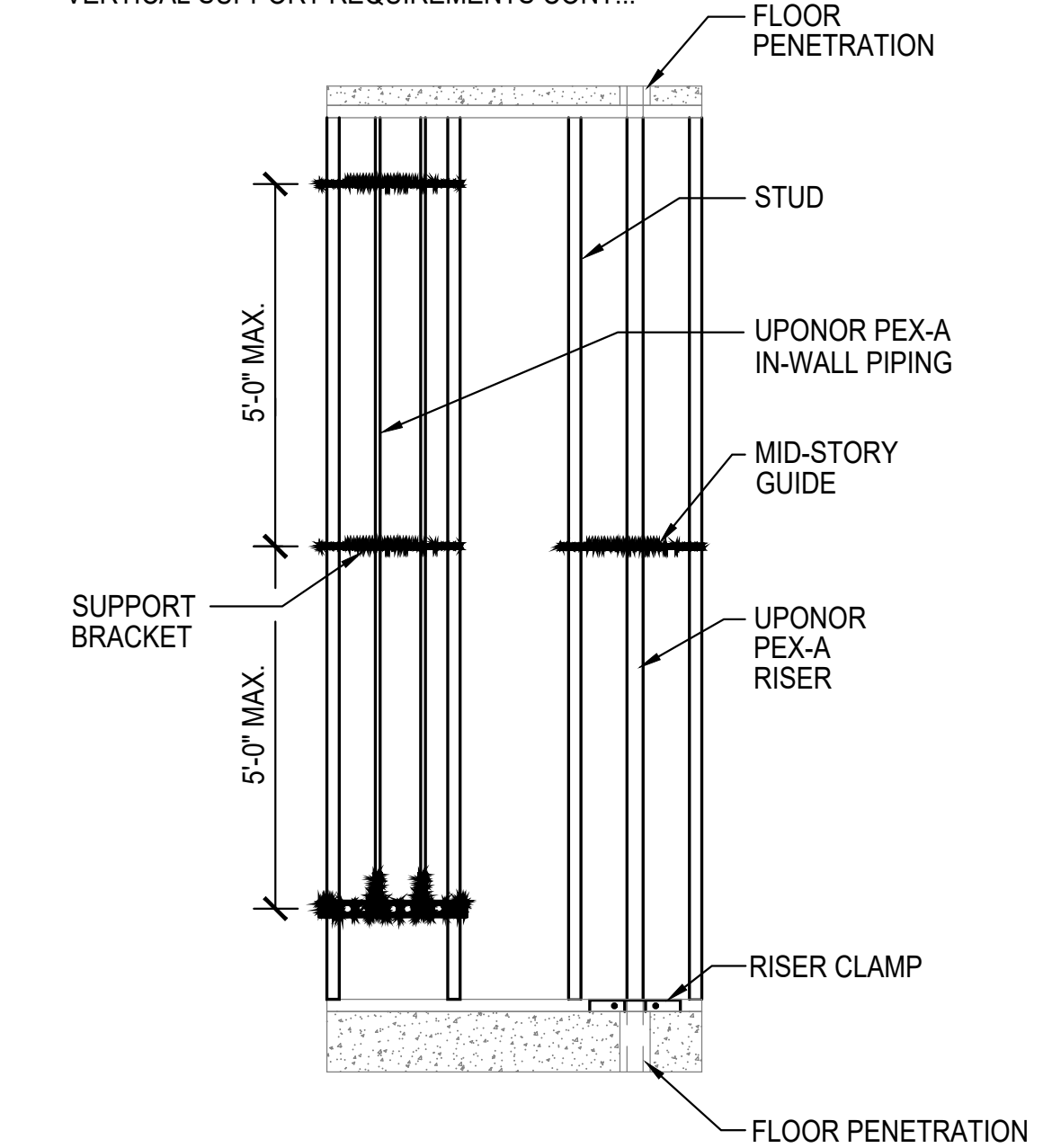


2 VERTICAL PEX SUPPORT
P3.5 N.T.S.

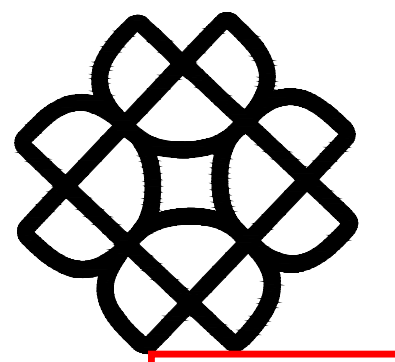
VERTICAL SUPPORT REQUIREMENTS

		Nominal Pipe Size	International Plumbing Code (IPC)	Uniform Plumbing Code (UPC)	National Plumbing Code of Canada
Vertical	In wall	All Pipe Sizes	5'-0" (1.5m)	5'-0" (1.5m)	5'-0" (1.5m)
	Risers	All Pipe Sizes	Base of each floor, provide mid-story guide	Base of each floor, provide mid-story guide	Supported at the base and floor levels of alternate stories

VERTICAL SUPPORT REQUIREMENTS CONT...



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed for
2018 Building Code Compliance
Lou Flynn
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
CARNATION, WA 98014

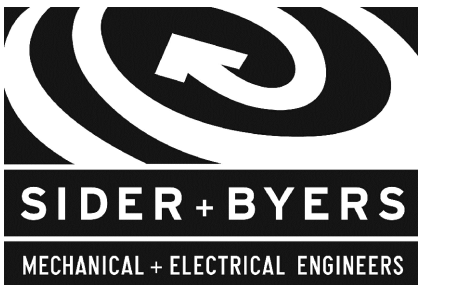


Issuance	
BID SET	Date
22 MAY 2023	Revisions
#	Date Description

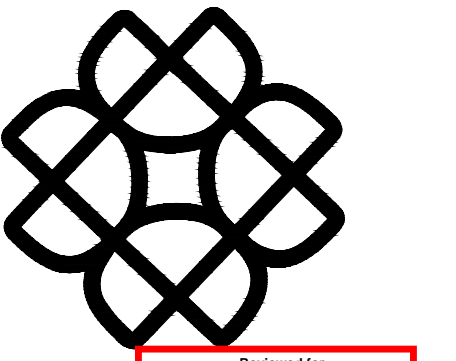
DETAILS

Drawn By: NB
Checked By (P.M.): NB
Checked By (O.C.): NB
Project No. 21035

FOR SDCI USE ONLY



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed for
2018 Building Code Compliance
Lou Fyler
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

**SNO VALLEY
SENIOR HOUSING**

31845 W COMMERCIAL ST.
CARNATION, WA 98014

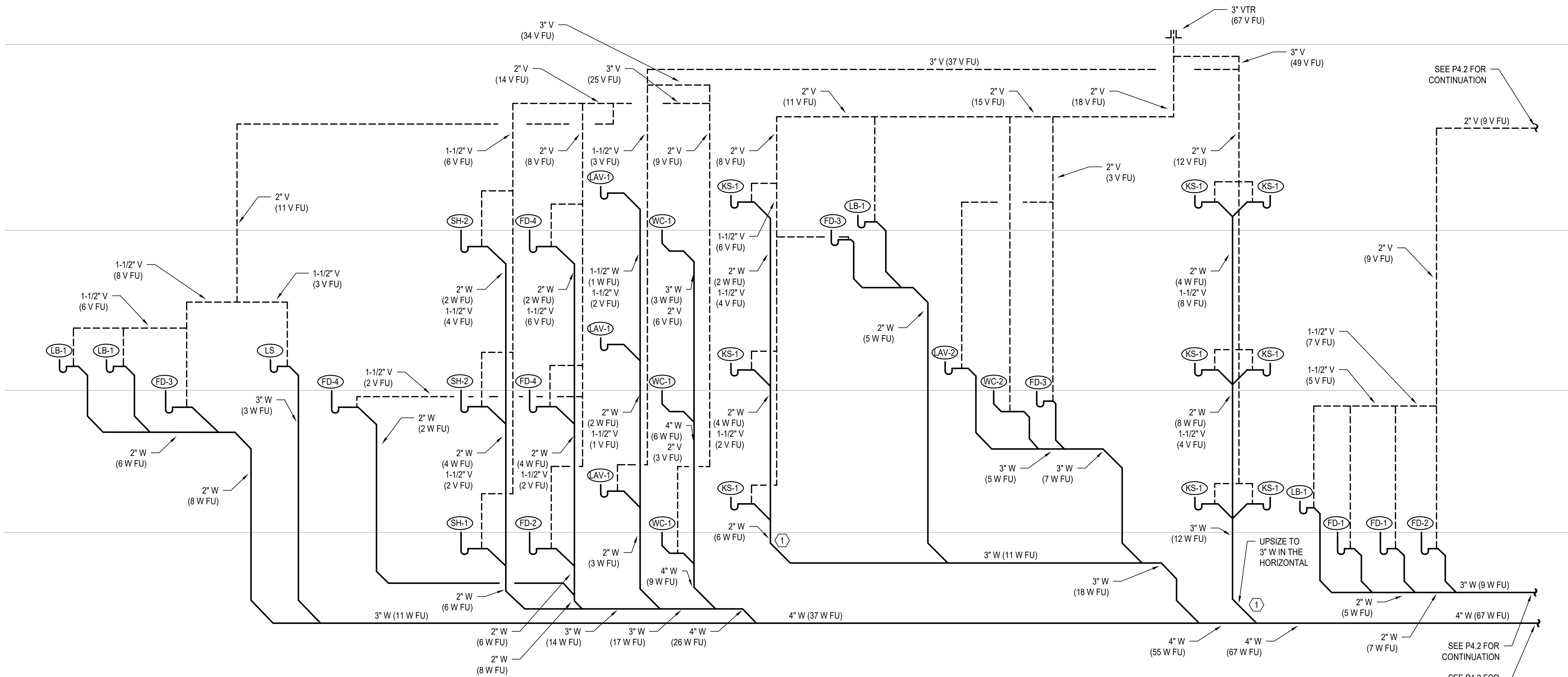
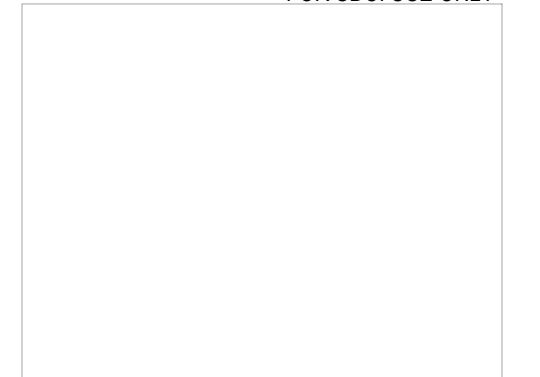


Issuance	
BID SET	
Date	22 MAY 2023
Revisions	
#	Date Description

RISERS

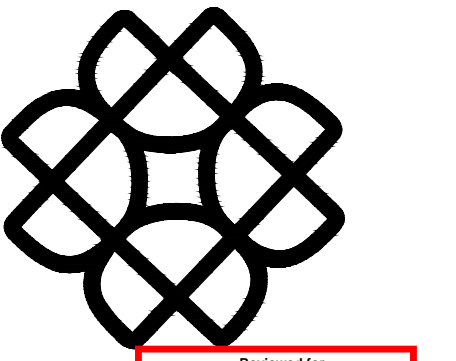
Drawn By:	NB
Checked By (P.M.):	NB
Checked By (O.C.):	NB
Project No.	21035

FOR SDCI USE ONLY



NOTES:
① PROVIDE SUDS RELIEF IN ACCORDANCE WITH 711.0 OF UPC 2018.

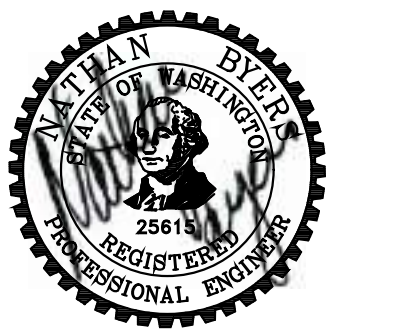
1 WASTE RISER
P4.1 N.T.S.



Reviewed For
2018 Building Code Compliance
Lou Flyler
8/17/23
Building Plan Review by
402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

**SNO VALLEY
SENIOR HOUSING**

31845 W COMMERCIAL ST.
CARNATION, WA 98014

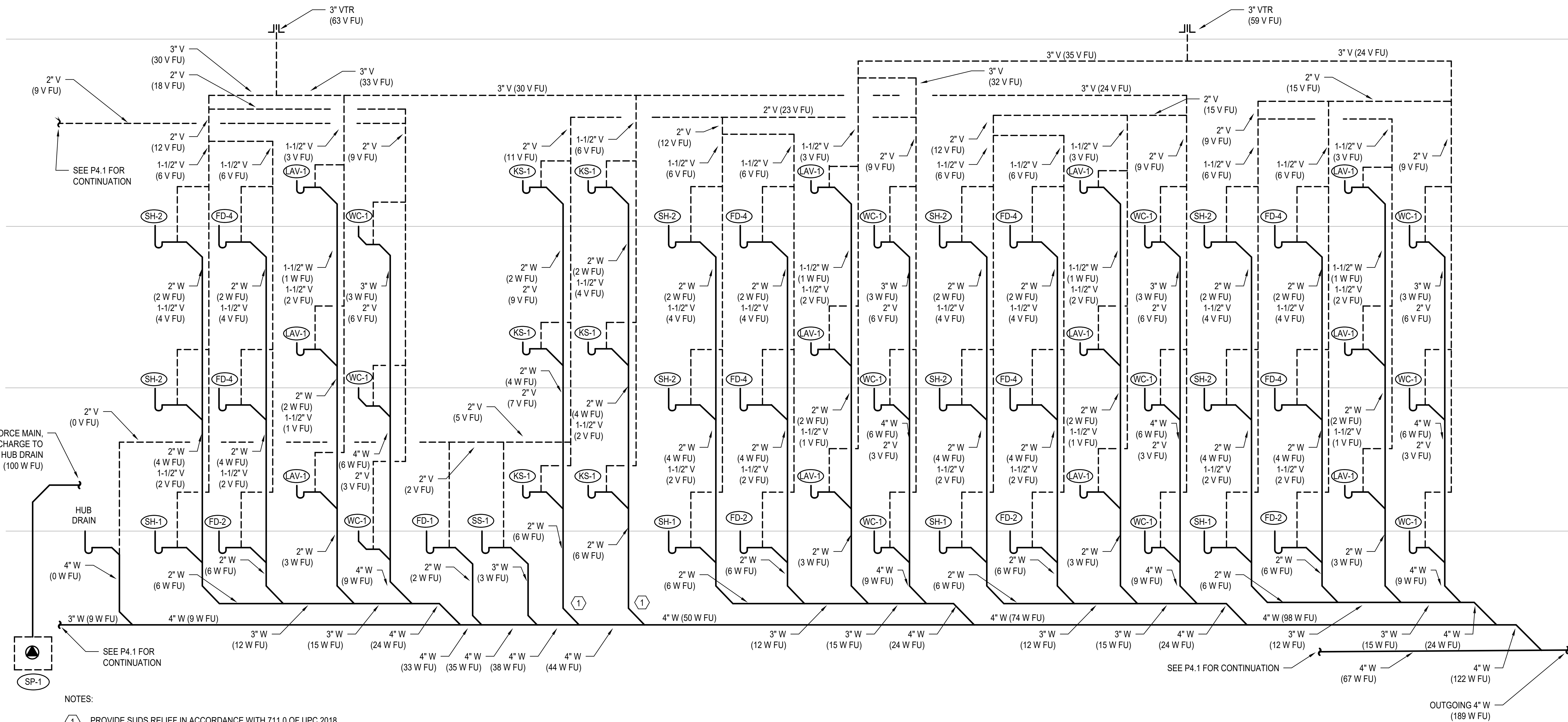


Issuance	BID SET
Date	22 MAY 2023
Revisions	
#	Date Description

RISERS

Drawn By:	NB
Checked By (P.M.):	NB
Checked By (O.C.):	NB
Project No.:	21035

FOR SDCI USE ONLY

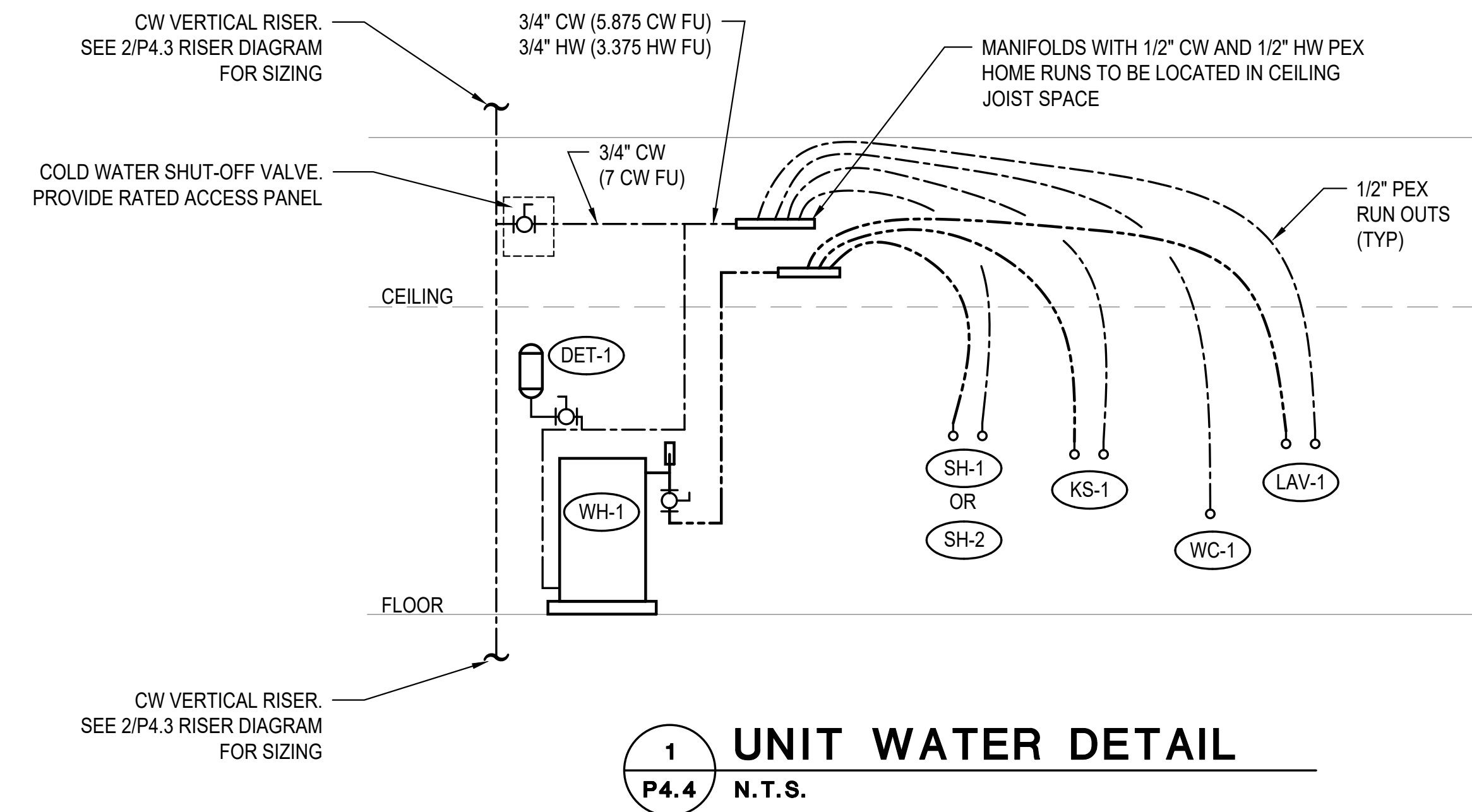


NOTES:
① PROVIDE SUDS RELIEF IN ACCORDANCE WITH 711.0 OF UPC 2018.

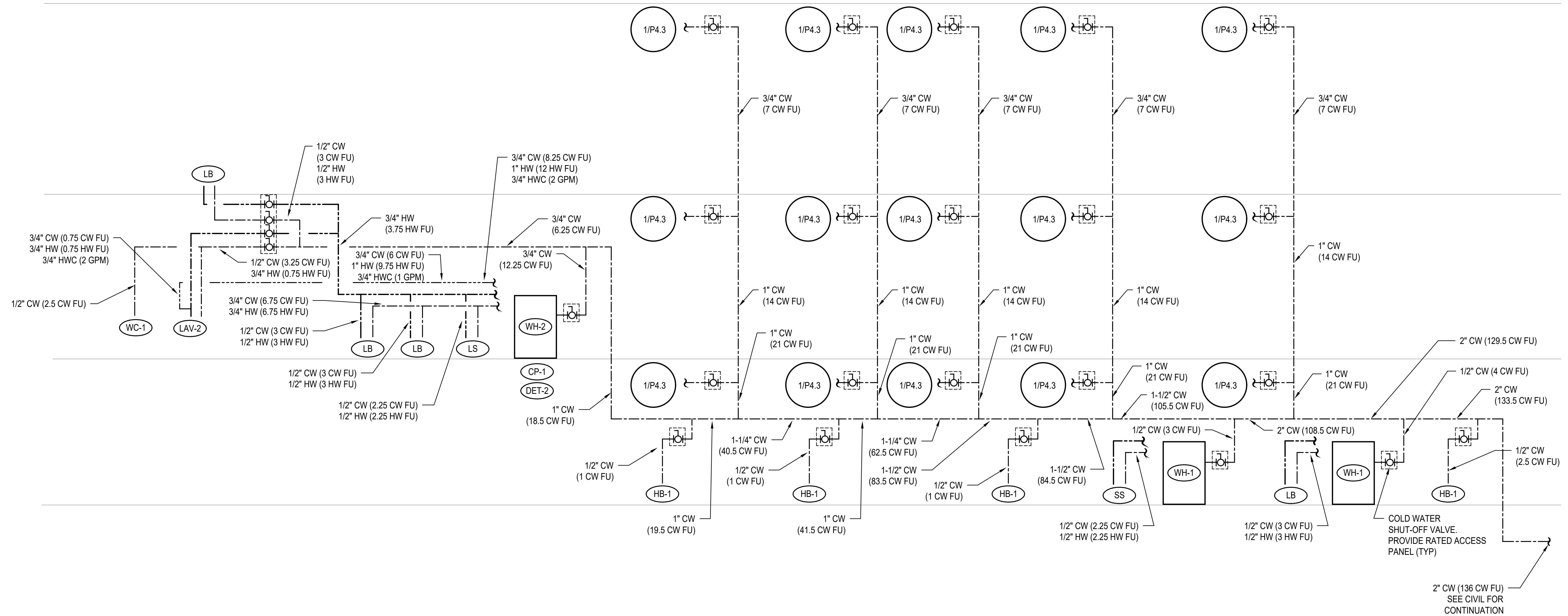
1 WASTE RISER
P4.2 N.T.S.

NOTES:

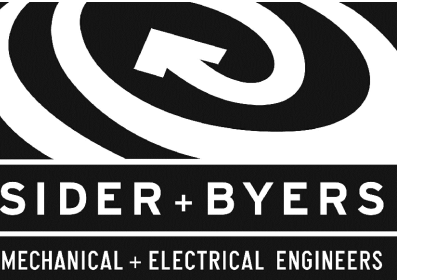
1. PLUMBING ROUTING AND LAYOUT TO BE IN ACCORDANCE WITH ESDS V4.0 SECTION 4.06 EFFICIENT PLUMBING LAYOUT AND DESIGN.



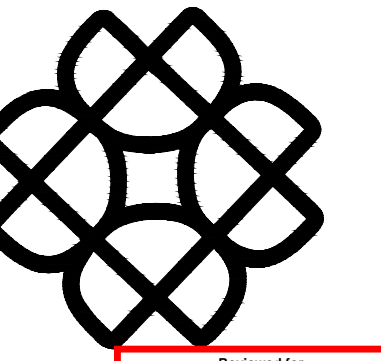
1 UNIT WATER DETAIL
P4.4 N.T.S.



2 WATER RISER
P4.3 N.T.S.



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



Reviewed for
2018 Building Code Compliance
8/17/23
Building Plan Review by
Lou Flynn
402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
CARNATION, WA 98014



Issuance	
BID SET	Date
	22 MAY 2023
Revisions	
#	Date
Description	

RISERS

Drawn By:	NB
Checked By (P.M.):	NB
Checked By (O.C.):	NB
Project No.	21035

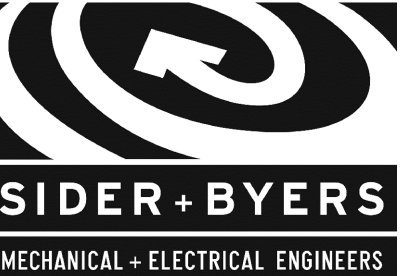
FOR SDCI USE ONLY

ELECTRICAL SYMBOLS LEGEND

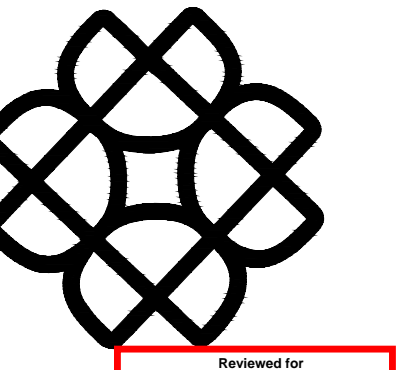
Table with 2 columns: Symbol and Description. Categories include REFERENCE SYMBOLS, FIRE ALARM SYMBOLS, WIRING SYMBOLS, LUMINAIRE SYMBOLS, POWER SYSTEMS SYMBOLS, and LOW VOLTAGE SYSTEMS SYMBOLS.

Table with 2 columns: Symbol and Description. Categories include CONTROL SYMBOLS and RISER DIAGRAM SYMBOLS.

Table with 2 columns: Abbreviation and Description. Categories include A, AMP, AB, AC, ACT, ADA, ADJ, AF, AFF, AFG, AIC, AL, ALT, APPROX, ARCH, AS, AT, ATS, AUTO, AUX, AWG, BFF, BHP, BLDG, C, CB, CFM, CKT, CLG, CO, CO2, CONN, CT, CU, dB, DC, DEG, DIA, DISC, DIST, DIV, DN, DP, DWG(S), DZ, EA, EM, EMT, EF, EFW, EWH, EX, FA, FACP, FARA, FC, FF, FLA, FLEX, FP, FPM, FPS, FSD, FT, FTG, FOIC, FOIO, G, GND, GA, GAL, GALV, GC, GEN, GF1, GFP, GRC, H, HP, HTR, HVAC, HW, HX, HZ, ID, IESNA, IG, IMC, IN, KCMIL, KO, KW, KWH, KVA, LBS, LCP, LCZ, LF, LRA, LTG, MAX, MCA, MED, MEP, MEZZ, MIN, MISC, MLO, MNT, MOC, N, N/A, N, NC, NEC, NEG, NEMA, NIC, NL, NO, NOM, NPT, NTS, OCC, OD, OS, P, PC, PER, PERF, PHASE, PNL, POC, PSF, PSI, QTY, REQ, RLX, RM, RMC, RNC, RPM, RTU, RV, RX, SA, SD, SF, SPD, SPEC, S/S, OR S, STD, SWB, T&P, TBD, TC, TEL, TELECOM, TEMP, TOB, TOC, TOD, TOJ, TOS, T&P, TSP, TYP, UL, UNO, UPS, UTR, V, VA, VERT, VFD, VOL, W, W/ WITHIN, W/O WITHOUT, WP WEATHERPROOF, WT WEIGHT, XFR TRANSFORMER, (E) EXISTING TO REMAIN, (D) EXISTING TO BE DEMOLISHED, (R) EXISTING TO BE DEMOLISHED AND REPLACED WITH NEW, (RL) EXISTING TO BE RELOCATED, (N) NEW EQUIPMENT / DEVICE, (D) EXISTING TO BE DEMOLISHED, (R) EXISTING TO BE DEMOLISHED AND REPLACED WITH NEW, (RL) EXISTING TO BE RELOCATED, (N) NEW EQUIPMENT / DEVICE.



192 Nickerson, Suite #300 Seattle, Washington 98109 Phone: 206.285.2966



Reviewed By: Lou Fyler 8/17/23 Building Code Compliance 402 1st Avenue East Seattle, Washington 98104 Phone: 206.329.8300 Fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST. CARNATION, WA 98014



Table with 2 columns: #, Date, Description. Includes fields for Issuance, BID SET, Date (22 MAY 2023), and Revisions.

COVER SHEET

Drawn By: RA Checked By (P.M.): RA Checked By (O.C.): RA Project No: 21035

ELECTRICAL DRAWING LIST

Table with 2 columns: Drawing Number and Description. Lists drawings from E0.1 COVER SHEET to E5.1 ENLARGED UNIT PLANS.

CODES AND STANDARDS

2020 NATIONAL ELECTRICAL CODE (NEC) WITH STATE AND LOCAL AMENDMENTS
2018 WASHINGTON STATE ENERGY CODE - RESIDENTIAL
2018 INTERNATIONAL BUILDING CODE (IBC) WITH STATE AND LOCAL AMENDMENTS
2018 INTERNATIONAL FIRE CODE (IFC) WITH STATE AND LOCAL AMENDMENTS
2018 INTERNATIONAL MECHANICAL CODE (IMC) WITH STATE AND LOCAL AMENDMENTS
2018 UNIFORM PLUMBING CODE (UPC) WITH STATE AND LOCAL AMENDMENTS
AMERICAN WITH DISABILITIES ACT (ADA)
EVERGREEN SUSTAINABLE DEVELOPMENT STANDARDS (ESDS)

LOW VOLTAGE SYSTEMS NOTES

1. SEE GENERAL PROJECT NOTES, THIS DRAWING, PRELIMINARY DESIGN DRAWINGS AND PERFORMANCE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. ALL LOW VOLTAGE SYSTEMS, INCLUDING FIRE ALARM, ARE DESIGNED BY OTHERS. ANY DEVICES AND EQUIPMENT INDICATED ON THESE PLANS ARE PRELIMINARY FOR SPACE PLANNING PURPOSES ONLY. SEE NOTES THIS DRAWING, PRELIMINARY SYSTEMS PLAN, AND PERFORMANCE SPECIFICATIONS FOR INFORMATION AND REQUIREMENTS.
3. LOW VOLTAGE SYSTEMS FOR THE PROJECT SHALL INCLUDE: FIRE ALARM, ACCESS CONTROL SYSTEM, CCTV SYSTEM, WIRELESS NETWORK IN ALL COMMON AND OFFICE AREAS, CATV SYSTEMS AND TELECOM SYSTEMS. SEE PERFORMANCE SPECIFICATIONS AND PRELIMINARY SYSTEMS PLANS FOR ADDITIONAL INFORMATION.
4. FIRE ALARM SYSTEMS ARE TO BE DESIGNED, SUBMITTED FOR PLAN REVIEW, PERMITTED AND INSTALLED BY A FIRE ALARM CONTRACTOR HIRED UNDER THE SCOPE OF THIS PROJECT. THE DESIGN-BUILD FIRE ALARM CONTRACTOR SHALL DESIGN AND PROVIDE COMPLETE AND FULLY OPERATIONAL FIRE ALARM SYSTEM MEETING THE REQUIREMENTS OF CODE, THE LOCAL AHJ AND THE FIRE MARSHAL. ANY DEVICES SHOWN ON THE ELECTRICAL DRAWINGS ARE SCHEMATIC FOR COORDINATION PURPOSES ONLY. SEE THE PERFORMANCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

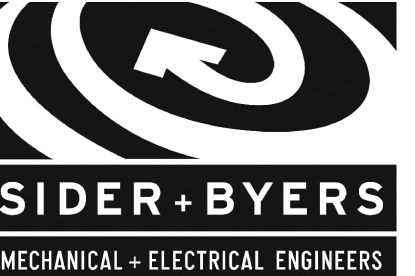
THE FIRE ALARM CONTRACTORS SHALL MAKE ALL REQUIRED SUBMISSIONS TO THE AUTHORITIES HAVING JURISDICTION FOR PLAN REVIEW, PERMITS AND APPROVAL OF ALL FIRE ALARM SYSTEMS AND SHALL PAY ALL FEES ASSOCIATED WITH THESE SUBMISSIONS AND OBTAINING THE REQUIRED PERMITS. THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND PROVIDING SYSTEMS THAT MEET ALL REQUIREMENTS OF CODE AND THE LOCAL AHJ. ALL ADDITIONS, REVISIONS, RESUBMITTALS, ETC. REQUIRED TO OBTAIN AHJ APPROVAL SHALL BE CARRIED OUT BY THE FIRE ALARM CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. PROVIDE A COPY OF THE FINAL APPROVED DRAWINGS WITH THE LOCAL AHJ'S APPROVAL TYPE A UNITS AND UNITS FOR THE HEARING IMPAIRED ARE TO BE PROVIDED WITH SYSTEM AUDIBLE AND VISUAL FIRE ALARM DEVICES.
5. STAND-ALONE SMOKE DETECTORS, CARBON MONOXIDE ALARMS, AND COMBINATION SMOKE DETECTOR/ CARBON MONOXIDE ALARMS ARE TO BE INSTALLED IN ALL DWELLING UNITS.
6. ALL OTHER LOW VOLTAGE SYSTEMS (CATV, TELECOM, CCTV, ACCESS CONTROL, ETC) ARE TO BE DESIGNED AND INSTALLED BY A LOW VOLTAGE DESIGN-BUILD CONTRACTOR HIRED BY THE ELECTRICAL CONTRACTOR. THE DESIGN-BUILD LOW VOLTAGE CONTRACTOR SHALL DESIGN AND PROVIDE COMPLETE AND FULLY OPERATIONAL LOW VOLTAGE SYSTEMS PER THE REQUIREMENTS OF THE OWNER, THE LOCAL AHJ AND THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PROVIDE ALL PARTS AND PIECES REQUIRED FOR THESE LOW VOLTAGE SYSTEMS INCLUDING BUT NOT LIMITED TO RACKS, PATCH PANELS, ROUTERS, WIRELESS ACCESS POINTS, PATCH CABLES, ETC. SEE THE PERFORMANCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
7. WIRELESS ACCESS POINTS ARE TO BE PROVIDED BY THE LOW VOLTAGE CONTRACTOR TO PROVIDE COMPLETE WIFI COVERAGE FOR ALL AREAS OF THE BUILDING OUTSIDE OF THE SLEEPING UNITS FOR TWO NETWORKS, ONE SECURED FOR EMPLOYEES AND ONE UNSECURED FOR GUEST AND RESIDENT USE.
8. ALL VOICE/ DATA SYSTEM DESIGN SHALL BE PERFORMED BY A BCIS/ REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER (RCD) OR BY A DESIGN ENGINEER AT LEAST FIVE YEARS OF EXPERIENCE ON PROJECTS WITH SIMILAR SYSTEMS AND SCOPES. THE CONTRACTOR SHALL PROVIDE PROOF OF CERTIFICATION FOR THE SYSTEMS TO BE INSTALLED IN THE PROJECT AND THE CABLING, TERMINATIONS, AND EQUIPMENT PROPOSED FOR THE PROJECT.
9. ALL LOW VOLTAGE CABLING AND EQUIPMENT INSTALLATION AND TESTING SHALL BE PERFORMED BY A CERTIFIED INSTALLER. THE CONTRACTOR SHALL PROVIDE PROOF OF CERTIFICATION FOR THE SYSTEMS TO BE INSTALLED IN THE PROJECT AND THE CABLING, TERMINATIONS, AND EQUIPMENT PROPOSED FOR THE PROJECT.
10. THE ELECTRICAL CONTRACTOR SHALL COORDINATE TELECOM AND CATV SERVICE TO THE BUILDING AND PROVIDE THE REQUIRED INFRASTRUCTURE FROM THE TELECOM PROVIDERS' SERVICE POINTS TO THE DEMARC LOCATION. SEE PLANS FOR ADDITIONAL INFORMATION. ALL UTILITY INFRASTRUCTURE SHALL MEET THE UTILITY SERVICE PROVIDERS' REQUIREMENTS.
11. THE ELECTRICAL CONTRACTOR IS TO PROVIDE ALL INFRASTRUCTURE (LINE VOLTAGE POWER, CONDUITS WITH PULLSTRINGS, BACKBOXES, EQUIPMENT RACKS, ETC) FOR ALL LOW VOLTAGE SYSTEMS. PRELIMINARY SYSTEMS PLAN PROVIDED IN THIS BID SET ARE FOR BIDDING PURPOSES ONLY. THE ELECTRICAL CONTRACTOR SHALL CONFIRM ACTUAL DEVICE LOCATIONS, QUANTITIES, AND REQUIREMENTS WITH THE DESIGN-BUILD LOW VOLTAGE CONTRACTOR.
12. BACK-TO-BACK DEVICES ARE NOT ALLOWED, INSTALL IN SEPARATE STUD CAVITIES. INSTALL PUTTY PADS ON ALL BOXES INSTALLED IN PARTY OR CORRIDOR WALLS.
13. THE TELECOM SYSTEM WIRING SHALL MEET TIA PERFORMANCE CRITERIA FOR CATEGORY 6.

ENERGY CODE NOTES

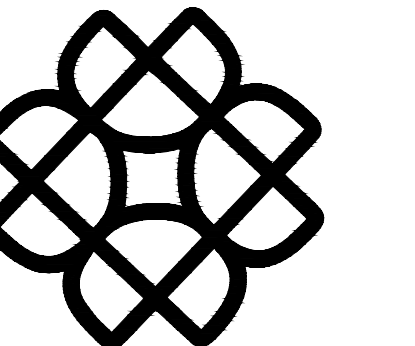
1. SEE THE LUMINAIRE SCHEDULE, AND THE LIGHTING PLANS FOR LIGHTING AND LIGHTING CONTROL REQUIREMENTS. SYSTEMS SHALL MEET THE REQUIREMENTS OF R404.
2. OCCUPANCY SENSORS SHALL FAIL ON AND AUTOMATICALLY TURN OFF LUMINAIRES IN THEIR COVERAGE AREA WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE UNLESS NOTED OTHERWISE ON THE PLANS.
3. EXT SIGNS SHALL NOT EXCEED 5 WATTS PER SIDE.
4. THE LUMINAIRES SERVING DWELLING UNITS SHALL BE LED WITH AN EFFICACY OF AT LEAST 65 LUMENS PER WATT AS REQUIRED BY ENERGY CODE.
5. LUMINAIRES SERVING THE EXT ACCESS AND PROVIDING MEANS OF EGRESS ILLUMINATION REQUIRED BY THE IBC SHALL BE CONTROLLED BY A COMBINATION OF LISTED EMERGENCY RELAY AND OCCUPANCY SENSORS OR SIGNAL FROM ANOTHER BUILDING CONTROL SYSTEM THAT AUTOMATICALLY SHUTS OFF THE LIGHTING WHEN THE AREAS SERVED BY THAT ILLUMINATION ARE UNOCCUPIED. SEE LIGHTING PLANS.
6. THE BUILDING SHALL MEET CERTIFICATION REQUIREMENTS FOR EVERGREEN SUSTAINABLE DESIGN STANDARDS (ESDS). SEE THE TEAMS APPROVED CHECKLIST FOR APPLICABLE ITEMS EFFECTING THE ELECTRICAL SCOPE.
7. THE BUILDING SHALL BE COMMISSIONED PER THE REQUIREMENTS OF ESDS - NEW CONSTRUCTION. IN ADDITION, SEE COMMISSIONING NOTES ON THIS DRAWING AND PROJECT DRAWINGS FOR REQUIREMENTS.

GENERAL PROJECT NOTES

1. THESE PLANS ARE SCHEMATIC AND DO NOT SHOW EXACT ROUTINGS, DEVICE LOCATIONS, ETC. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND PROVIDE COMPLETE AND FULLY OPERATIONAL AND COORDINATED ELECTRICAL AND LOW VOLTAGE SYSTEMS THAT MEET ALL REQUIREMENTS OF THE OWNER, CODE AND THE LOCAL AHJ AND THE CONTRACT DOCUMENTS.
2. WHERE THE DRAWINGS CALL OUT FOR THE CONTRACTOR TO FIELD VERIFY AND / OR COORDINATE LOCATIONS AND REQUIREMENTS THIS VERIFICATION / COORDINATION IS TO BE COMPLETED PRIOR TO ANY EQUIPMENT, DEVICES, SUPPORTS, CONDUITS, ETC. ARE INSTALLED / ROUGHED-IN. ANY EQUIPMENT, DEVICES, SUPPORTS, CONDUITS, ETC. INSTALLED AT LOCATIONS UNACCEPTABLE TO THE DESIGN TEAM (EITHER FOR AESTHETICS OR FUNCTIONALITY) DUE TO THE CONTRACTOR FAILING TO FIELD VERIFY / COORDINATE SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE.
3. MATERIALS, METHODS AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE LATEST EDITION (WITH STATE AND LOCAL AMENDMENTS) OF THE NATIONAL ELECTRICAL CODE, WASHINGTON STATE ENERGY CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL FIRE CODE, INTERNATIONAL MECHANICAL CODE, UNIFORM PLUMBING CODE, THE AMERICANS WITH DISABILITY ACT AND LOCAL CODES AND ORDINANCES.
4. CONFIRM ALL LOCATIONS AND QUANTITIES WITH THE OWNER AND ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
5. CONTRACTOR TO MAINTAIN THE FIRE RATING OF ANY FIRE-RATED WALLS AND FLOORS. ALL FLOOR PENETRATIONS TO BE FINISHED TO A SMOOTH SURFACE.
6. INSTALL ALL EQUIPMENT PER CODE AND MANUFACTURER'S INSTRUCTIONS; THESE DRAWINGS ARE DIAGRAMMATIC. REFER TO THE MECHANICAL/PLUMBING EQUIPMENT COORDINATION SCHEDULE FOR CONNECTION REQUIREMENTS FOR SPECIFIC MECHANICAL AND PLUMBING EQUIPMENT. SEE THE PANEL SCHEDULES AND FEEDER AND BRANCH CIRCUIT SCHEDULES FOR CIRCUIT SIZES.
7. ALL ELECTRICAL DEVICES AND EQUIPMENT (LUMINAIRES, CONDUIT AND CABLING, ETC) SHALL BE INDEPENDENTLY SUPPORTED (I.E. DO NOT SUPPORT LUMINAIRES FROM MECHANICAL EQUIPMENT, ETC). PROVIDE SUPPORTS PER CODE AND AHJ REQUIREMENTS.
8. ALL UTILITY INFRASTRUCTURE (POWER AND TELECOM) SHALL MEET THE UTILITY SERVICE PROVIDERS' REQUIREMENTS.
9. ALL NEW RACEWAYS AND CABLING SHALL BE INSTALLED CONCEALED WHEREVER POSSIBLE. AT OPEN CEILING AREAS, CONTRACTOR MUST PROVIDE CONDUITORS / CABLING IN CONDUIT. COORDINATE THE ROUTING OF THE CONDUIT AT OPEN CEILING AREAS WITH THE ARCHITECT. ALL CONDUIT AND CABLING SHALL BE INSTALLED PARALLEL WITH BUILDING LINES. THE CONTRACTORS SHALL COORDINATE WITH THE CEILING TYPES IN ALL ROOMS AND ENSURE THAT ALL JUNCTION BOXES ARE ACCESSIBLE AFTER THE WORK OF ALL TRADES IS COMPLETE. JUNCTION BOXES SHALL NOT BE LOCATED ON HARD CEILINGS OR IN WALLS IN "FRONT OF HOUSE" SPACES WITHOUT PRIOR APPROVAL FROM ARCHITECT.
10. COORDINATE CONDUIT AND CABLING ROUTING WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO AVOID CONFLICTS. ROUTE CONDUIT AS TO MINIMIZE PENETRATIONS THROUGH PARTITIONS.
11. COORDINATE THE EXACT LOCATIONS OF CEILING MOUNTED DEVICES WITH ALL OTHER TRADES. OCCUPANCY / VACANCY SENSORS SHALL BE INSTALLED AT LEAST 6 FT OR THE MANUFACTURER'S RECOMMENDED DISTANCE FROM ALL HVAC EXHAUST DIFFUSERS. LOCATE PHOTO CELLS PER MANUFACTURER'S INSTRUCTIONS.
12. COORDINATE THE LOCATIONS OF ALL WALL-MOUNTED DEVICES (OCCUPANCY SENSOR SWITCHES, LOW VOLTAGE WALL STATIONS, THERMOSTATS, ETC) WITH LOCATIONS AND SWINGS OF DOORS. DO NOT LOCATE DEVICES SUCH THAT THEY WILL BE BEHIND ANY DOOR WHEN THAT DOOR IS OPEN WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
13. BACK-TO-BACK DEVICES ARE NOT ALLOWED, INSTALL IN SEPARATE STUD CAVITIES. INSTALL PUTTY PADS ON ALL BOXES INSTALLED IN PARTY OR CORRIDOR WALLS.
14. THE ELECTRICAL CONTRACTOR SHALL PERFORM COORDINATION, SHORT-CIRCUIT / FAULT CURRENT AND ARC FLASH STUDIES FOR THE PROJECT PER THE ACTUAL INTENDED INSTALLATION (FINAL GEAR SELECTION, ACTUAL FEEDER LENGTHS, ETC). STUDIES SHALL BE SUBMITTED TO THE ENGINEER WITH THE GEAR SUBMITTAL FOR REVIEW. FINAL STUDIES SHALL BE STAMPED BY AN ELECTRICAL ENGINEER CURRENTLY REGISTERED IN THE STATE OF WASHINGTON AND SHALL BE SUBMITTED TO THE LOCAL AHJ. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ARC FLASH LABELS ON ALL ELECTRICAL DISTRIBUTION EQUIPMENT PER CODE AND AHJ REQUIREMENTS. SEE THE SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
15. LIGHTING CONTROL COORDINATION MEETING: THE ELECTRICAL CONTRACTOR SHALL COORDINATE A LIGHTING CONTROL COORDINATION MEETING WITH THE OWNER, ARCHITECT, ENGINEER, GENERAL CONTRACTOR, ELECTRICAL CONTRACTOR AND AN AUTHORIZED SERVICE REPRESENTATIVE OF THE INTENDED LIGHTING CONTROL SYSTEM FOR THE PROJECT TO DISCUSS THE LIGHTING CONTROL INTENT FOR THE PROJECT. THIS MEETING SHALL OCCUR AT LEAST TEN (10) WORKING DAYS PRIOR TO SUBMITTING THE LIGHTING CONTROL SUBMITTAL; THE LIGHTING CONTROL SUBMITTAL SHALL REFLECT THE DECISIONS MADE DURING THIS MEETING.
16. THE CONTRACTORS SHALL MARK LOCATIONS OF ALL DEVICES AND EQUIPMENT (LOAD CENTERS, MEDIA BOXES, LUMINAIRES, SWITCHES, RECEPTACLES, CATV AND TELECOM OUTLETS, THERMOSTATS, HEATERS/ HVAC EQUIPMENT, ETC) IN ONE OF EACH TYPE OF TYPICAL DWELLING UNIT AND ALL COMMON AREAS IN THE PROJECT (EXACT UNITS AND AREAS TO BE CONFIRMED BY ARCHITECT). BEFORE STARTING INSTALLATION OF EQUIPMENT AND DEVICES, THE ELECTRICAL CONTRACTOR SHALL WALK THROUGH ALL MOCKED-UP AREAS WITH THE OWNER, ARCHITECT, AND GENERAL CONTRACTOR TO RECEIVE APPROVAL FOR ALL LOCATIONS. THE ELECTRICAL CONTRACTOR SHALL RELOCATE EQUIPMENT AND DEVICES IN THE MOCK-UPS PER THE OWNER AND ARCHITECT'S INSTRUCTIONS. THE ELECTRICAL CONTRACTOR SHALL RELOCATE ANY EQUIPMENT AND DEVICES INSTALLED PRIOR TO THE APPROVAL OF THE MOCKED-UP AREAS BY THE ARCHITECT AND OWNER AT THE ELECTRICAL CONTRACTOR'S EXPENSE.
17. ALL LOW VOLTAGE SYSTEMS, INCLUDING FIRE ALARM, ARE DESIGN BUILD. ANY DEVICES AND EQUIPMENT INDICATED ON THESE PLANS ARE PRELIMINARY FOR SPACE PLANNING PURPOSES ONLY.
18. THE DESIGN-BUILD LOW VOLTAGE CONTRACTOR SHALL DESIGN AND PROVIDE COMPLETE AND FULLY OPERATIONAL LOW VOLTAGE SYSTEMS PER THE REQUIREMENTS OF THE OWNER, THE LOCAL AHJ AND THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PROVIDE ALL PARTS AND PIECES REQUIRED FOR THESE LOW VOLTAGE SYSTEMS INCLUDING BUT NOT LIMITED TO RACKS, PATCH PANELS, ROUTERS, WIRELESS ACCESS POINTS, PATCH CABLES, ETC. SEE THE PERFORMANCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. LOW VOLTAGE SYSTEMS INCLUDE THE FOLLOWING: TELECOM, CATV, TWO WIFI NETWORKS, ACCESS CONTROL, AND FIRE ALARM. SEE ELECTRICAL DRAWINGS AND DIVISION 26, 27 AND 28 SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
19. THE TELECOM SYSTEM WIRING SHALL MEET TIA PERFORMANCE CRITERIA FOR CATEGORY 6.
20. WIRELESS ACCESS POINTS ARE TO BE PROVIDED BY THE LOW VOLTAGE CONTRACTOR TO PROVIDE COMPLETE WIFI COVERAGE FOR ALL AREAS OF THE BUILDING OUTSIDE OF THE SLEEPING UNITS FOR TWO NETWORKS; ONE SECURED FOR EMPLOYEES AND ONE UNSECURED FOR GUEST AND
21. THE DESIGN-BUILD FIRE ALARM CONTRACTOR SHALL DESIGN, SUBMIT FOR PLAN REVIEW, PERMIT AND PROVIDE COMPLETE AND FULLY OPERATIONAL FIRE ALARM SYSTEM MEETING THE REQUIREMENTS OF CODE, THE LOCAL AHJ AND THE FIRE MARSHAL. ANY DEVICES SHOWN ON THE ELECTRICAL DRAWINGS ARE SCHEMATIC FOR COORDINATION PURPOSES ONLY. SEE THE PERFORMANCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
22. THE ELECTRICAL AND FIRE ALARM CONTRACTORS SHALL MAKE ALL REQUIRED SUBMISSIONS TO THE AUTHORITIES HAVING JURISDICTION FOR PLAN REVIEW, PERMITS AND APPROVAL OF ALL ELECTRICAL AND FIRE ALARM SYSTEMS AND SHALL PAY ALL FEES ASSOCIATED WITH THESE SUBMISSIONS AND OBTAINING THE REQUIRED PERMITS. THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND PROVIDING SYSTEMS THAT MEET ALL REQUIREMENTS OF CODE AND THE LOCAL AHJ. ALL ADDITIONS, REVISIONS, RESUBMITTALS, ETC. REQUIRED TO OBTAIN AHJ APPROVAL SHALL BE CARRIED OUT BY THE FIRE ALARM CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. PROVIDE A COPY OF THE FINAL APPROVED DRAWINGS WITH THE LOCAL AHJ'S APPROVAL STAMP TO THE OWNER FOR THEIR RECORDS.
23. WHERE "PROVIDE" IS NOTED ANYWHERE IN THE DRAWINGS AND / OR SPECIFICATIONS, THE CONTRACTOR SHALL ASSUME THAT THEY ARE BEING DIRECTED TO PROVIDE AND INSTALL THE REFERENCED EQUIPMENT, DEVICES, SUPPORTS, ETC. UNLESS SPECIFICALLY NOTED OTHERWISE. ALL EQUIPMENT, DEVICES, SUPPORTS, ETC. ARE TO BE INSTALLED PER CODE / AHJ REQUIREMENTS AND MANUFACTURER INSTRUCTIONS.



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
CARNATION, WA 98014



Issuance	
BID SET	
Date	22 MAY 2023
Revisions	
#	Date Description

PROJECT NOTES

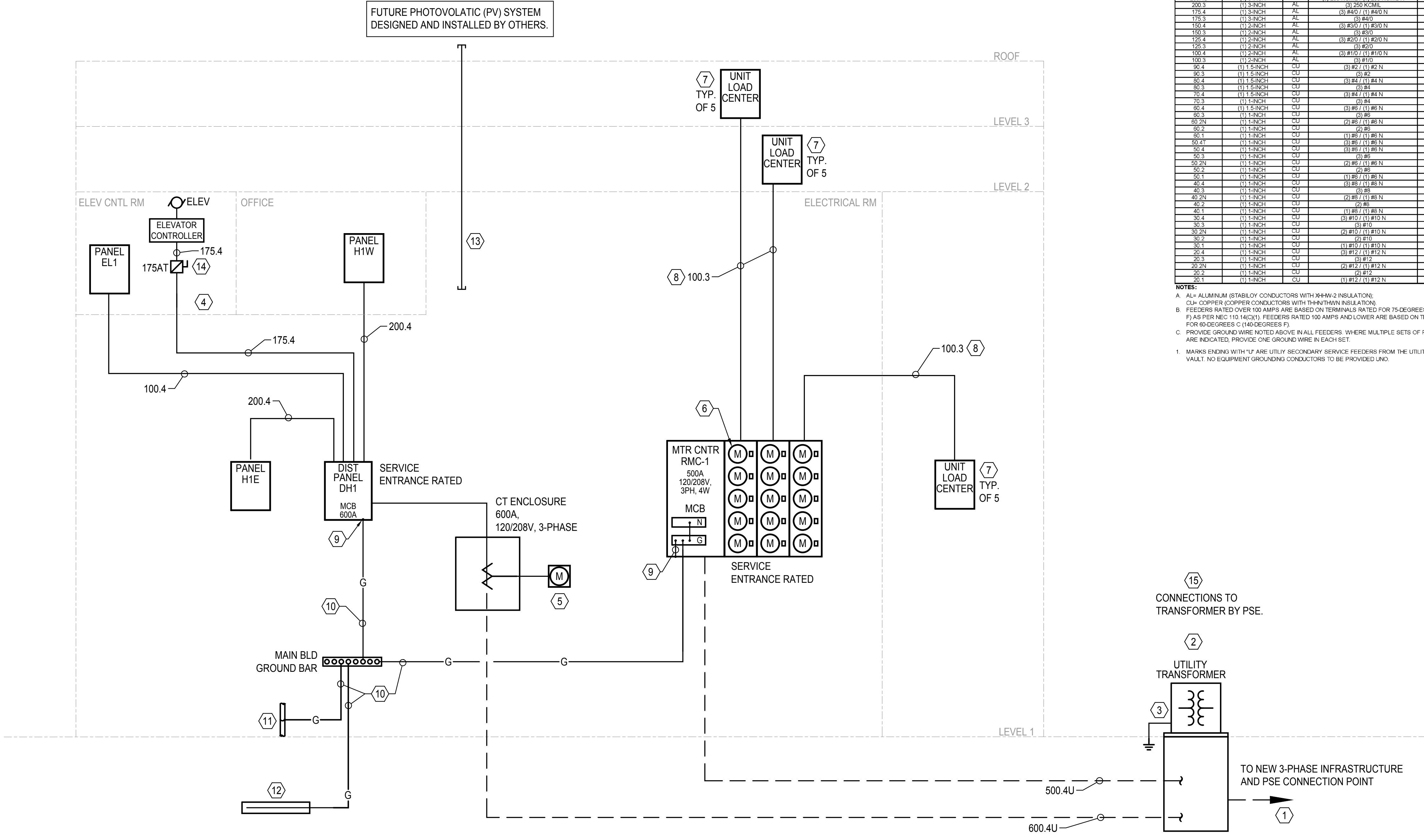
Drawn By: _____
RA
Checked By (P.M.): _____
RA
Checked By (O.C.): _____
RA
Project No. _____
21035

FOR SDCl USE ONLY

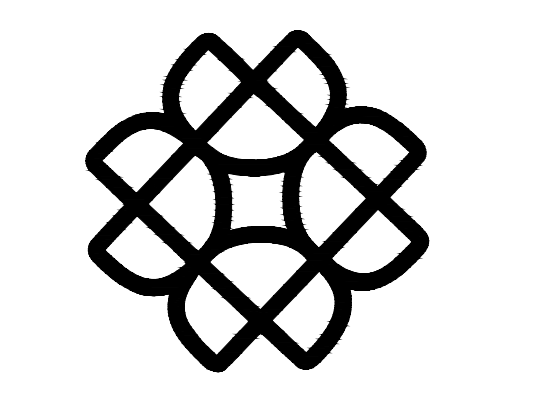
EV LOAD CALCS:
PARKING FOR RESIDENTIAL TENANTS:
 22 TOTAL PARKING STALLS PROVIDED AT THE PROPERTY.
 PER WAC FOR PROJECT PRIOR TO JULY 2023:
 10% OF STALLS TO BE EV READY: 22 x 10% = 3 STALLS TO BE EV READY
 ELECTRICAL SERVICE TO BE SIZED FOR 20% OF THE PARKING SPACES TO
 EVENTUALLY HAVE EV CHARGING STATIONS: 22 x 20% = 5 STALLS
 5 STALLS @ 40A, 208V = 41.6 KVA; 115.6 AMPS @ 208V, 3-PHASE

FEEDER/ CIRCUIT SCHEDULE				
MARK	CONDUIT (SETS) SIZE	AL OR CU	CONDUCTORS PER SET	
			PHASE/ NEUTRAL (IN)	GROUND (1 PER SET UNO)
1000.4	(3) 2-INCH	AL	(3) 600 KCMIL (1) 500 KCMIL N	#10
1000.3	(3) 2-INCH	AL	(3) 500 KCMIL	#10
800.4	(2) 2-INCH	AL	(2) 400 KCMIL (1) 300 KCMIL N	#10
800.3	(2) 2-INCH	AL	(2) 300 KCMIL	#10
700.4	(2) 2-INCH	AL	(2) 300 KCMIL (1) 250 KCMIL N	#10
700.3	(2) 2-INCH	AL	(2) 250 KCMIL	#10
600.4J	(2) 2-INCH	AL	(2) 500 KCMIL (1) 500 KCMIL N	NOTE #1
600.4	(2) 2-INCH	AL	(2) 500 KCMIL	#10
600.3	(2) 2-INCH	AL	(2) 500 KCMIL	#10
500.4J	(2) 2-INCH	AL	(2) 350 KCMIL (1) 350 KCMIL N	NOTE #1
500.4	(2) 2-INCH	AL	(2) 350 KCMIL (1) 350 KCMIL N	#10
450.3	(2) 2-INCH	AL	(2) 350 KCMIL	#10
450.4	(2) 2-INCH	AL	(2) 300 KCMIL (1) 300 KCMIL N	#10
400.3	(2) 2-INCH	AL	(2) 250 KCMIL	#10
400.4	(2) 2-INCH	AL	(2) 250 KCMIL (1) 250 KCMIL N	#1
400.3	(2) 2-INCH	AL	(2) 250 KCMIL	#1
350.4	(1) 2-INCH	AL	(3) 700 KCMIL (1) 700 KCMIL N	#1
350.3	(1) 2-INCH	AL	(3) 700 KCMIL	#1
300.4	(1) 2-INCH	AL	(3) 500 KCMIL (1) 500 KCMIL N	#2
300.3	(1) 2-INCH	AL	(3) 500 KCMIL	#2
250.4	(1) 2-INCH	AL	(3) 350 KCMIL (1) 350 KCMIL N	#2
250.3	(1) 2-INCH	AL	(3) 350 KCMIL	#2
225.4	(1) 2-INCH	AL	(3) 300 KCMIL (1) 300 KCMIL N	#2
225.3	(1) 2-INCH	AL	(3) 300 KCMIL	#2
200.4	(1) 2-INCH	AL	(3) 250 KCMIL (1) 250 KCMIL N	#4
200.3	(1) 2-INCH	AL	(3) 250 KCMIL (1) 250 KCMIL N	NOTE #1
175.4	(1) 2-INCH	AL	(3) 250 KCMIL	#4
175.3	(1) 2-INCH	AL	(3) #40 (1) #40 N	#4
150.4	(1) 2-INCH	AL	(3) #50 (1) #50 N	#4
150.3	(1) 2-INCH	AL	(3) #50	#4
125.4	(1) 2-INCH	AL	(3) #60 (1) #70 N	#4
125.3	(1) 2-INCH	AL	(3) #70	#4
100.4	(1) 2-INCH	AL	(3) #10 (1) #10 N	#5
100.3	(1) 2-INCH	AL	(3) #10	#5
80.4	(1) 1.5-INCH	CU	(3) #2 (1) #2 N	#6
80.3	(1) 1.5-INCH	CU	(3) #2	#6
80.4	(1) 1.5-INCH	CU	(3) #4 (1) #4 N	#6
80.3	(1) 1.5-INCH	CU	(3) #4	#6
70.4	(1) 1.5-INCH	CU	(3) #4 (1) #4 N	#6
70.3	(1) 1.5-INCH	CU	(3) #4	#6
60.4	(1) 1.5-INCH	CU	(3) #6 (1) #6 N	#10
60.3	(1) 1.5-INCH	CU	(3) #6	#10
60.2	(1) 1.5-INCH	CU	(2) #6 (1) #6 N	#10
60.1	(1) 1.5-INCH	CU	(1) #6 (1) #6 N	#10
50.4	(1) 1.5-INCH	CU	(3) #8 (1) #8 N	#10
50.3	(1) 1.5-INCH	CU	(3) #8	#10
50.2	(1) 1.5-INCH	CU	(2) #8 (1) #8 N	#10
50.1	(1) 1.5-INCH	CU	(1) #8 (1) #8 N	#10
40.4	(1) 1.5-INCH	CU	(3) #8 (1) #8 N	#10
40.3	(1) 1.5-INCH	CU	(3) #8	#10
40.2	(1) 1.5-INCH	CU	(2) #8 (1) #8 N	#10
40.1	(1) 1.5-INCH	CU	(1) #8 (1) #8 N	#10
30.4	(1) 1.5-INCH	CU	(3) #10 (1) #10 N	#10
30.3	(1) 1.5-INCH	CU	(3) #10	#10
30.2	(1) 1.5-INCH	CU	(2) #10 (1) #10 N	#10
30.1	(1) 1.5-INCH	CU	(1) #10 (1) #10 N	#10
20.4	(1) 1.5-INCH	CU	(3) #12 (1) #12 N	#12
20.3	(1) 1.5-INCH	CU	(3) #12	#12
20.2	(1) 1.5-INCH	CU	(2) #12 (1) #12 N	#12
20.1	(1) 1.5-INCH	CU	(1) #12 (1) #12 N	#12

NOTES:
 A. AL= ALUMINUM (STABILLOY CONDUCTORS WITH XHHW-2 INSULATION).
 B. FEEDERS RATED OVER 100 AMPS ARE BASED ON TERMINALS RATED FOR 75-DEGREES C (167-DEGREES F) AS PER NEC 110.14(D)(1). FEEDERS RATED 100 AMPS AND LOWER ARE BASED ON TERMINALS RATED FOR 90-DEGREES C (194-DEGREES F).
 C. PROVIDE GROUNDWIRE NOTED ABOVE IN ALL FEEDERS. WHERE MULTIPLE SETS OF PARALLEL CONDUIT ARE INDICATED, PROVIDE ONE GROUND WIRE IN EACH SET.
 1. MARKS ENDING WITH "LF" ARE UTILITY SECONDARY SERVICE FEEDERS FROM THE UTILITY ELECTRICAL VAULT. NO EQUIPMENT GROUNDING CONDUCTORS TO BE PROVIDED UNO.



FUTURE PHOTOVOLTAIC (PV) SYSTEM
 DESIGNED AND INSTALLED BY OTHERS.



402 15th Avenue East
 Seattle, Washington 98112
 phone: 206.329.8300
 fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
 CARNATION, WA 98014



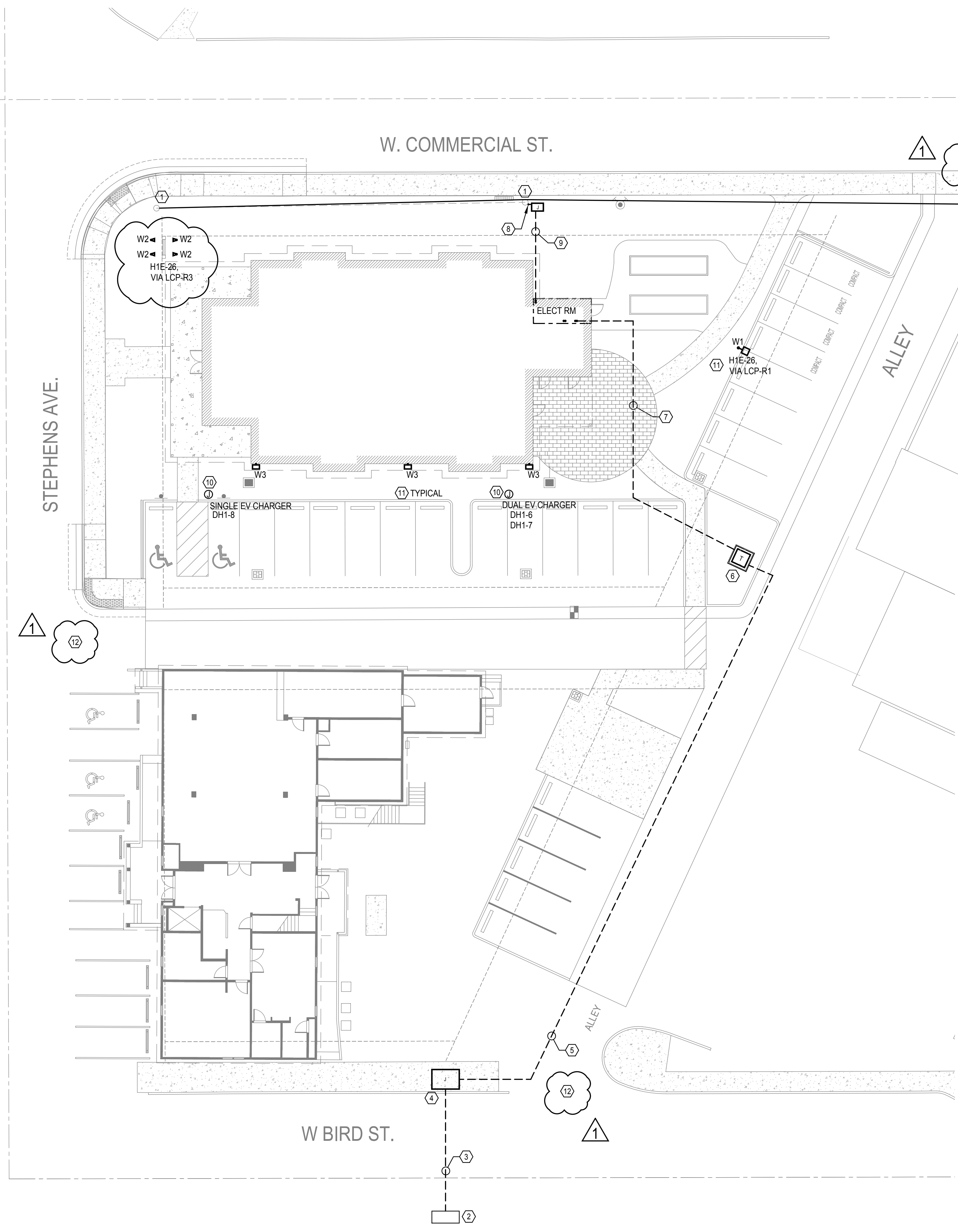
Issuance		
BID SET		
Date	22 MAY 2023	
Revisions		
#	Date	Description

SINGLE-LINE DIAGRAM

Drawn By: RA
 Checked By (P.M.): RA
 Checked By (O.C.): RA
 Project No. 21035

FOR SDCl USE ONLY

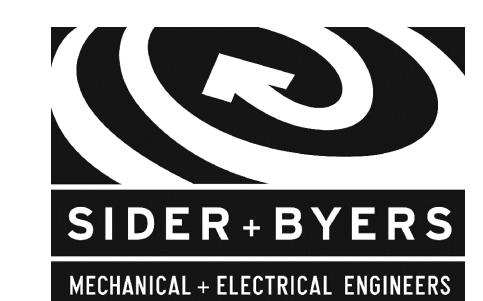
- FLAG NOTES (X):**
- TO CONNECTION POINT WITH PUGET SOUND ENERGY (PSE). PSE TO PROVIDE NEW 3-PHASE PRIMARY INFRASTRUCTURE TO SITE. SEE DRAWING SITE PLAN FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION, ROUTING AND REQUIREMENTS WITH PSE. ALL WORK TO BE PER PSE REQUIREMENTS.
 - EXTERIOR PAD-MOUNTED TRANSFORMER. FINAL CONNECTIONS TO TRANSFORMER BY PSE. CONTRACTOR TO VISIBLY MARK EACH CONDUCTOR WITH PHASE AND SPECIFIC SERVICE IT FEEDS AND EXTEND EXCESS CABLE PER PSE STANDARDS.
 - UTILITY SERVICE GROUNDING SHALL BE IN ACCORDANCE WITH NEC 250.24(A) AND PSE REQUIREMENTS.
 - INSTALL FEEDERS FOR ELEVATORS PER LOCAL CODE REQUIREMENTS. CONFIRM EXACT CONNECTION REQUIREMENTS WITH ELEVATOR CONTRACTOR.
 - REMOTE 3-PHASE UTILITY METER SOCKET INSTALLED PER PSE REQUIREMENTS.
 - 100A, 1-PHASE UTILITY METER SOCKET INSTALLED PER PSE REQUIREMENTS.
 - 100A, 120/208V, 1-PHASE LOAD CENTER.
 - INSTALL ONE 100A, 208V, 3-WIRE "STABILLOY" MC CABLE OR SER CABLE AS ALLOWED BY CODE WITH GROUNDING CONDUCTOR FROM THE ASSOCIATED RESIDENTIAL METER STACK TO EACH DWELLING UNIT LOAD CENTER.
 - EQUIPMENT BONDING JUMPER PER NEC 250-28, 250-102 AND TABLE 250-102(C)(1).
 - GROUNDING ELECTRODE COPPER CONDUCTOR PER NEC 250.66 AND TABLE 250.66: #3/0 AWG CU UNO.
 - UNDERGROUND WATER PIPE PER NEC 250-52(A)(1).
 - UFER GROUND PER NEC 250-52(A)(3).
 - PROVIDE (2) 4-INCH CONDUITS WITH PULLSTRING FROM ELECTRICAL ROOM TO ROOF FOR FUTURE PV ARRAY BY OTHERS. CAP, SEAL, AND MARK ALL CONDUIT ENDS.
 - PROVIDE ELEVATOR DISCONNECT PER CODE REQUIREMENTS. INCLUDE SURGE PROTECTION ON ELEVATOR DISCONNECTS PER NEC 620.51(E).
 - FINAL UTILITY DESIGN IS STILL PENDING WITH PSE. CONTRACTOR IS TO COORDINATE AIC RATING OF ALL ELECTRICAL EQUIPMENT BASED ON FAULT CALC'S PROVIDED BY PSE. FOR BID PURPOSES ASSUME ALL EQUIPMENT IS TO BE RATED FOR 65,000 AIC.



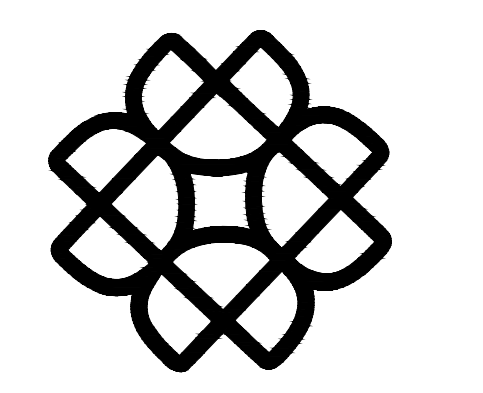
ELECTRICAL SITE PLAN
SCALE: 1/16"=1'-0"

- GENERAL NOTES:**
- A. ALL TRENCHING AND BACKFILL FOR ELECTRICAL SCOPE SHALL BE PROVIDED BY GENERAL CONTRACTOR.
 - B. COORDINATE ALL UNDERGROUND INFRASTRUCTURE ROUTING WITH ARCHITECT, CIVIL, LANDSCAPE, UTILITIES, AND ALL OTHER APPLICABLE TRADES PRIOR TO ROUGH-IN AND INSTALLATION.
 - C. COORDINATE DIRECTLY WITH PUGET SOUND ENERGY (PSE) & TELECOM UTILITIES FOR ALL UTILITY SERVICE ROUTING AND REQUIREMENTS.
 - D. SEE E3.0 DRAWINGS SERIES FOR BUILDING MOUNTED EXTERIOR LIGHTING.

- FLAG NOTES (X):**
1. ESTIMATED LOCATION OF EXISTING UTILITY POLE(S) TO REMAIN. OVERHEAD UTILITIES ALONG COMMERCIAL ST ARE: 1-PHASE POWER, TELEPHONE AND CABLE TELEVISION SERVICES.
 2. EXISTING IN-GRADE ELECTRICAL UTILITY VAULT LOCATED ON THE SOUTH SIDE OF BIRD STREET. ANTICIPATED LOCATION FOR CONNECTION TO 3-PHASE PRIMARY POWER INFRASTRUCTURE.
 3. PROVIDE NEW UNDERGROUND UTILITY STREET CROSSING. COORDINATE REQUIREMENTS WITH PSE AND CITY OF CARNATION.
 4. PROVIDE NEW 575 IN-GRADE VAULT FOR PRIMARY INFRASTRUCTURE.
 5. NEW UNDERGROUND 3-PHASE PRIMARY RUNNING FROM BIRD ST. UP TO PROJECT PROPERTY. EC TO PROVIDE CONDUIT PATHWAY AS REQUIRED BY PSE. PSE TO INSTALL CABLING AND MAKE ALL CONNECTIONS.
 6. NEW PAD MOUNTED, 3-PHASE UTILITY TRANSFORMER BY PSE. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL BELOW GRADE VAULT AND LID PER PSE REQUIREMENTS AND STANDARDS.
 7. NEW UNDERGROUND SECONDARY SERVICE FEEDERS FROM UTILITY TRANSFORMER TO ELECTRICAL ROOM.
 8. PROVIDE CONDUIT RISER(S), UP EXISTING UTILITY POLE, FOR NEW TELECOM DROPS FROM OVERHEAD INFRASTRUCTURE.
 9. NEW UNDERGROUND TELECOM SERVICE CONNECTION TO PROJECT. PROVIDE JUNCTION BOXES AND (1) 2-INCH CONDUIT FOR EACH TELECOM PROVIDER.
 10. EV CHARGING STATION. EC TO PROVIDE UNDERGROUND BRANCH CIRCUITRY FOR 3 CHARGING STATIONS.
 11. ALL EXTERIOR SITE LIGHTING TO HAVE AUTOMATIC ON/OFF CONTROL BY THE BUILDINGS LIGHTING CONTROL SYSTEM. SEE E3.0 SERIES DRAWINGS FOR MORE DETAILS.
 12. PUGET SOUND ENERGY (PSE) TO PROVIDE STREET LIGHTING ILLUMINATION, BASED ON CITY OF CARNATION STANDARDS & REQUIREMENTS, AT THE ALLEY INTERSECTIONS OF COMMERCIAL ST., STEPHENS AVE AND BIRD ST. CONTRACTOR AND OWNER TO COORDINATE WITH PSE ON THE DESIGN AND INSTALLATION SCHEDULE. ALL STREET LIGHTING PLANS MUST BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL.



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

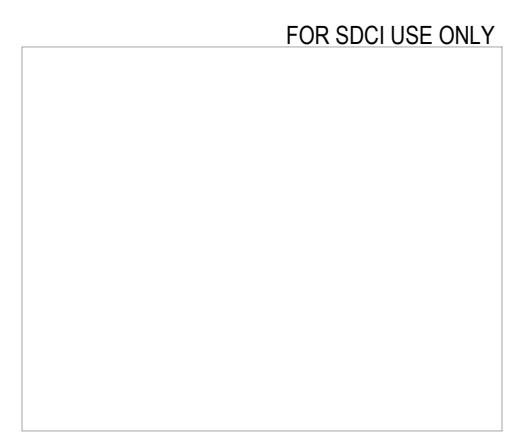
31845 W COMMERCIAL ST.
CARNATION, WA 98014



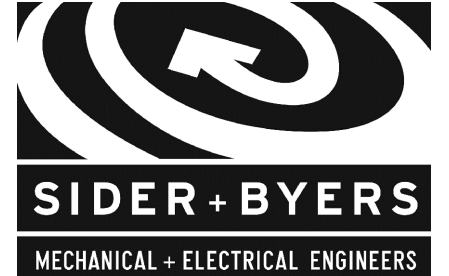
Issuance		
BID SET		
Date	22 MAY 2023	
Revisions		
#	Date	Description
1	07/19/2023	BLDG PERMIT REVIEW - #1

ELECTRICAL SITE PLAN

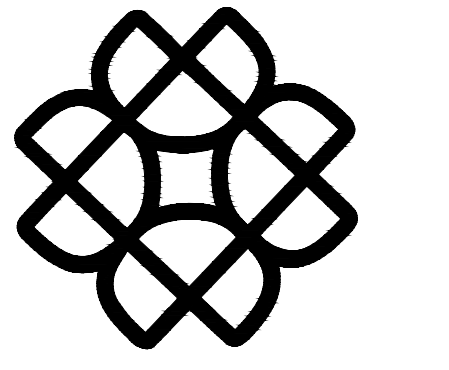
Drawn By: RA
Checked By (P.M.): RA
Checked By (O.C.): RA
Project No. 21035



ALL LOW VOLTAGE SYSTEMS ARE DESIGN-BUILD. LOW VOLTAGE DEVICES SHOWN IN THIS SET ARE FOR COORDINATION AND SCOPE INTENT PURPOSES ONLY. SEE LOW VOLTAGE CONTRACTOR'S DRAWING SET FOR EQUIPMENT AND DEVICE QUANTITIES AND LOCATIONS.



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
CARNATION, WA 98014

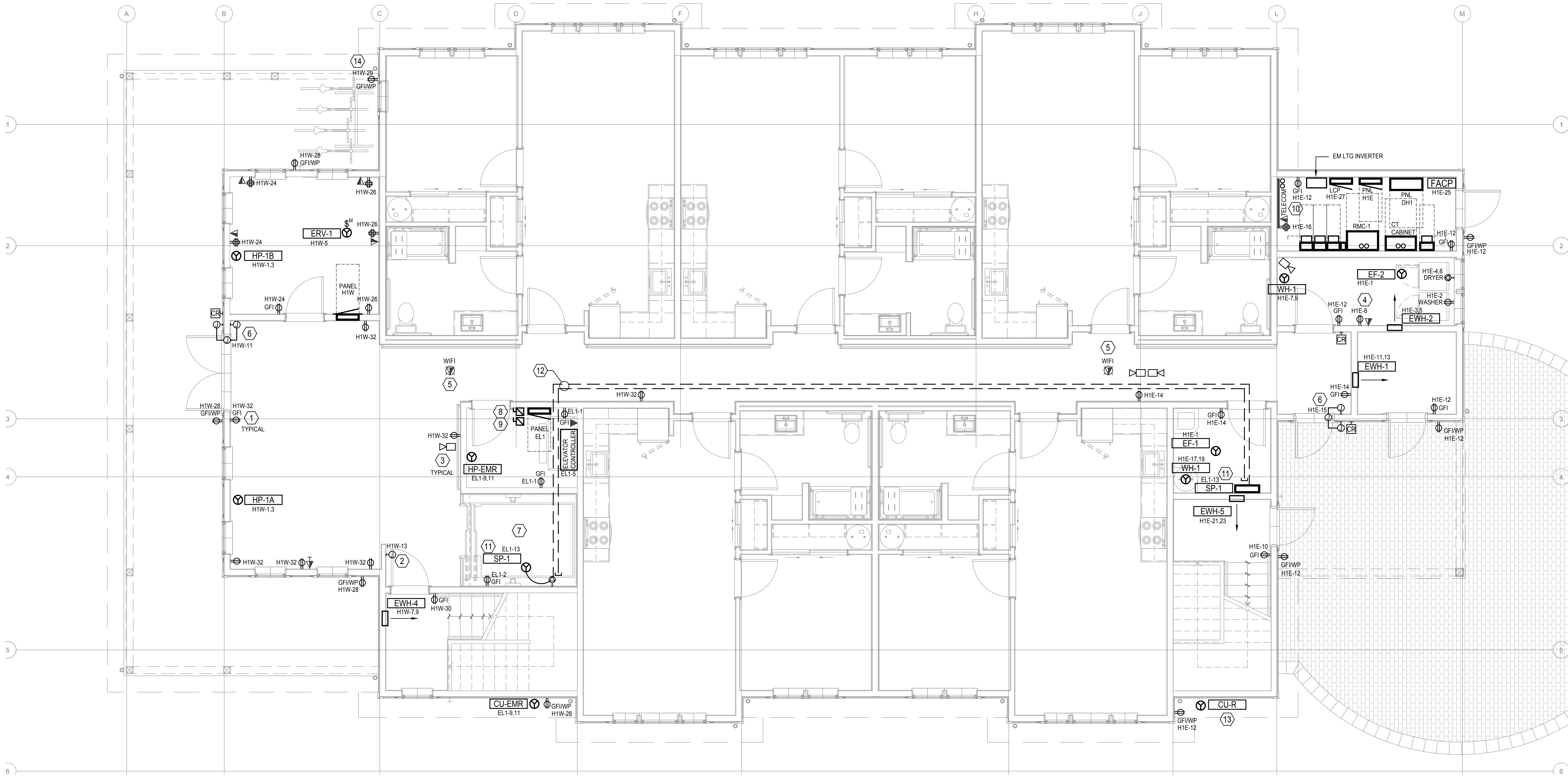


Issuance		
BID SET	Date	
	22 MAY 2023	
Revisions		
#	Date	Description

MAIN LEVEL PLAN - POWER & PRELIMINARY SYSTEMS

Drawn By:	RA
Checked By (P.M.):	RA
Checked By (O.C.):	RA
Project No.	21035

FOR SDCl USE ONLY



MAIN LEVEL PLAN - POWER & PRELIMINARY SYSTEMS
SCALE: 1/4"=1'-0"

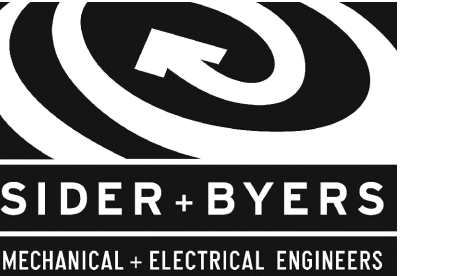
GENERAL NOTES:

- A. PROVIDE TAMPER-PROOF RECEPTACLES IN ALL BUILDING AREAS ACCESSIBLE TO GENERAL PUBLIC AND IN RESIDENTIAL UNITS.
- B. SEE ENLARGED DWELLING UNIT PLANS, SHEET E5.01, FOR EQUIPMENT AND DEVICE QUANTITIES AND LOCATIONS IN THE DWELLING UNIT.
- C. ALL TELE/DATA CABLING SHALL BE CAT6 UNLESS NOTED OTHERWISE.
- D. ALL TELE/DATA OUTLETS SHALL BE PROVIDED WITH (2) CABLE DROPS UNLESS NOTED OTHERWISE.

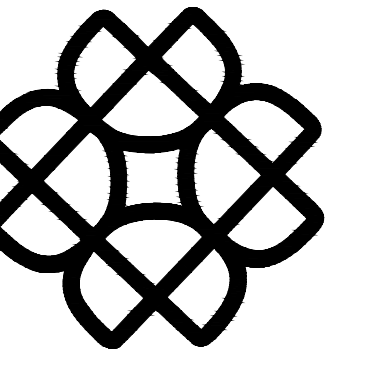
FLAG NOTES (X):

1. INSTALL GFI RECEPTACLE TO SATISFY NEC 210.63 AND 210.8(E), EQUIPMENT REQUIRING SERVICING. FIELD VERIFY EXACT LOCATION WITH MECHANICAL CONTRACTOR.
2. PROVIDE CONNECTION FOR MAGNETIC DOOR HOLDS AND CONNECT TO THE FIRE ALARM SYSTEM PER CODE AND AHJ. CONFIRM CONNECTION LOCATIONS AND REQUIREMENTS.
3. PRELIMINARY CCTV CAMERA LOCATION; COORDINATE ACTUAL LOCATIONS WITH OWNER.
4. PROVIDE ELECTRICAL CONNECTION AND DATA DROP FOR CREDIT CARD PAYMENT EQUIPMENT FOR LAUNDRY EQUIPMENT. FIELD VERIFY EXACT LOCATION WITH ARCHITECT AND OWNER.
5. PRELIMINARY WI-FI SYSTEM NETWORK LOCATION, COORDINATE ACTUAL LOCATIONS WITH OWNER'S IT STAFF. PROVIDE (2) CAT6 DROPS FROM THE MDF TO EACH WIFI LOCATION. COORDINATE WITH OWNER ON WHO PROVIDES THE WIFI EQUIPMENT.
6. ADA DOOR OPENER SYSTEMS PROVIDED BY OTHERS; INSTALLED AND CONNECTED COMPLETE BY ELECTRICAL CONTRACTOR PER CODE AND MANUFACTURER'S INSTRUCTIONS. WHERE ACCESS CONTROL IS PART OF THE SYSTEM, COORDINATE ACCESS CONTROL REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR.
7. FIELD VERIFY EXACT ELEVATOR EQUIPMENT LOCATIONS AND AREA LAYOUTS WITH THE GENERAL CONTRACTOR AND ELEVATOR CONTRACTOR; DRAWING IS DIAGRAMMATIC. INSTALL ALL EQUIPMENT AND DEVICES PER CODE REQUIREMENTS. DO NOT COMBINE HOMERUNS WITH THOSE SERVING NON-ELEVATOR SYSTEMS.
8. PROVIDE LOCKABLE SHUNT TRIP BREAKER OR FUSED DISCONNECT FOR EACH ELEVATOR PER AHJ REQUIREMENTS. PROVIDE PERMANENT LABELING IDENTIFYING SPECIFIC ELEVATOR AND CIRCUIT SERVED. LOCATE PER CODE REQUIREMENTS. SEE SINGLE-LINE DIAGRAM FOR FEEDER SIZING.
9. PROVIDE LOCKABLE DISCONNECT FOR EACH ELEVATOR FOR CAB LIGHTS AND FAN PER CODE REQUIREMENTS. PROVIDE PERMANENT LABELING IDENTIFYING "ELEVATOR X CAB LTS & FAN" AND CIRCUIT SERVED.
10. INSTALL FIRE RATED BACKBOARDS MOUNTED TO WALLS INDICATED (PROVIDE TEN 4-FT X 8-FT SHEETS MINIMUM). PROVIDE A/C GRADE SHEETS 4-FT X 8-FT X 3/4-INCH. TOP OF SHEETS TO BE AT 8'-6" AFF. ALL EDGES ARE TO BE SMOOTH AND SPLINTER-FREE. PAINT TO MATCH FINISHED WALLS WITH FIRE RETARDANT PAINT.
11. CONNECTION TO ELEVATOR PIT SUMP PUMP & CONTROL PANEL. PROVIDE LINE VOLTAGE CONNECTION TO CONTROL PANEL IN MECHANICAL ROOM AND, IN CONDUIT, RUN 20AMP, 208V/1PH CABLING FROM THE CONTROLLER TO A 208V/1PH RECEPTACLE, WITH WHILE-IN-USE WEATHERPROOF COVER, MOUNTED IN ELEVATOR PIT. ALSO PROVIDE (1) 3/4" CONDUIT WITH PULL-STRING FROM CONTROL PANEL INTO PIT FOR CONTROL WIRING. VERIFY ALL LOCATIONS WITH PLUMBING CONTRACTOR. VERIFY CODE REQUIREMENTS AND COMPLIANCE WITH ELEVATOR INSPECTOR.
12. UNDERGROUND CONDUIT AND CONDUCTOR ROUTING BETWEEN ELEVATOR SUMP PUMP AND CONTROL PANEL LOCATED IN JANITOR'S CLOSET. CONFIRM FINAL ROUTING WITH ARCHITECT AND GENERAL CONTRACTOR.
13. CONNECTION TO OUTDOOR HEAT PUMP; PROVIDE BRANCH CIRCUIT CONNECTION FROM ASSOCIATED UNIT LOAD CENTER. COORDINATE WITH MECHANICAL CONTRACTOR.
14. RECEPTACLE FOR ELECTRIC BIKE. COORDINATE LOCATION WITH ARCHITECT PRIOR TO ROUGH IN.

ALL LOW VOLTAGE SYSTEMS ARE DESIGN-BUILD. LOW VOLTAGE DEVICES SHOWN IN THIS SET ARE FOR COORDINATION AND SCOPE INTENT PURPOSES ONLY. SEE LOW VOLTAGE CONTRACTOR'S DRAWING SET FOR EQUIPMENT AND DEVICE QUANTITIES AND LOCATIONS.



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
CARNATION, WA 98014

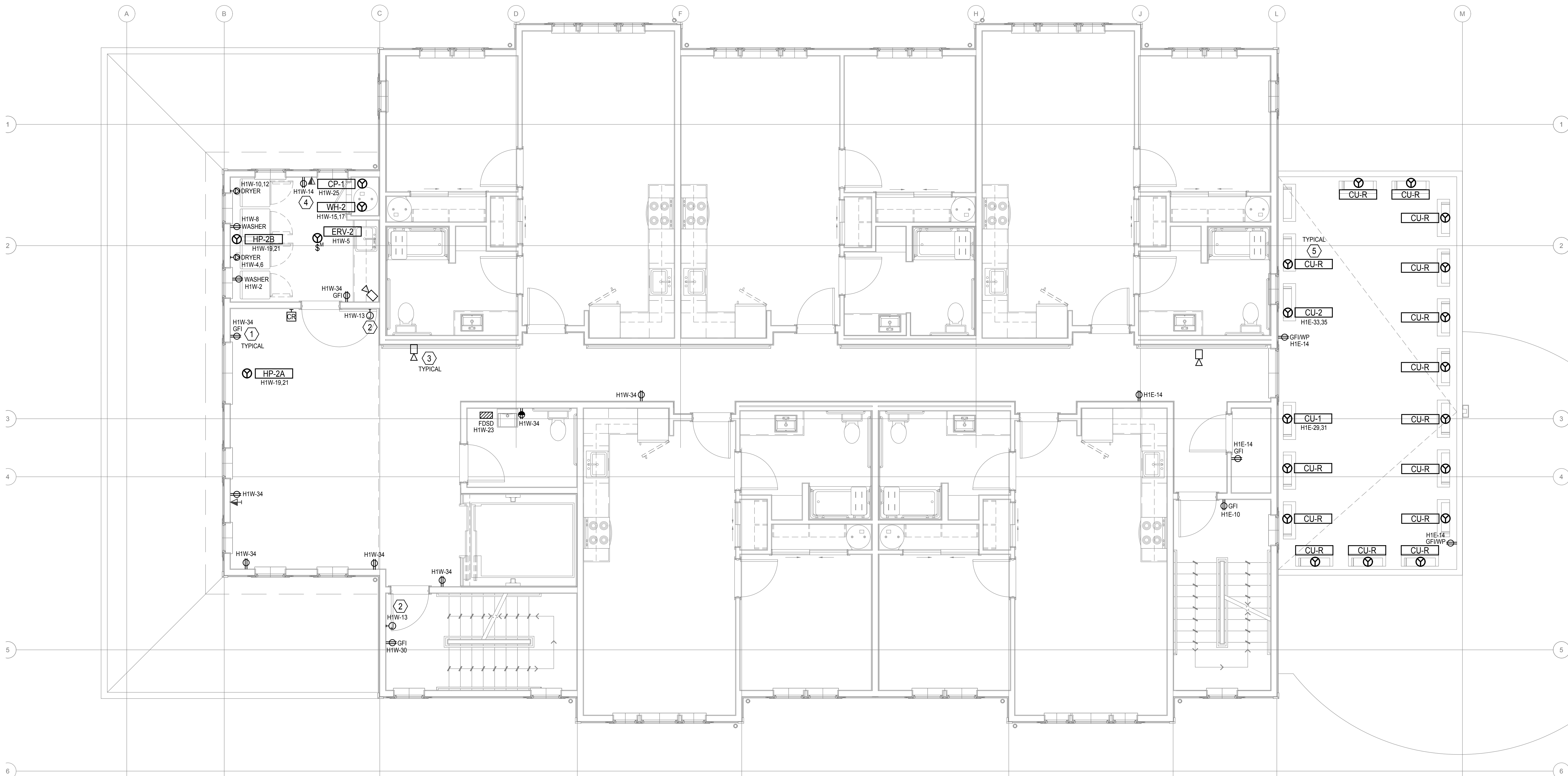


Issuance	
BID SET	
Date	22 MAY 2023
Revisions	
#	Date Description

SECOND LEVEL PLAN - POWER & PRELIMINARY SYSTEMS

Drawn By:	RA
Checked By (P.M.):	RA
Checked By (O.C.):	RA
Project No.	21035

FOR SDCI USE ONLY



SECOND LEVEL PLAN - POWER & PRELIMINARY SYSTEMS
SCALE: 1/4"=1'-0"

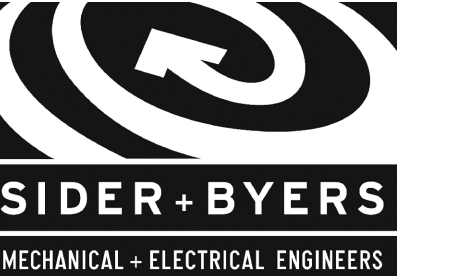
GENERAL NOTES:

- A. PROVIDE TAMPER-PROOF RECEPTACLES IN ALL BUILDING AREAS ACCESSIBLE TO GENERAL PUBLIC AND IN RESIDENTIAL UNITS.
- B. SEE ENLARGED DWELLING UNIT PLANS, SHEET E5.01, FOR EQUIPMENT AND DEVICE QUANTITIES AND LOCATIONS IN THE DWELLING UNIT.
- C. ALL TELE/DATA CABLING SHALL BE CAT6 UNLESS NOTED OTHERWISE.
- D. ALL TELE/DATA OUTLETS SHALL BE PROVIDED WITH (2) CABLE DROPS UNLESS NOTED OTHERWISE.

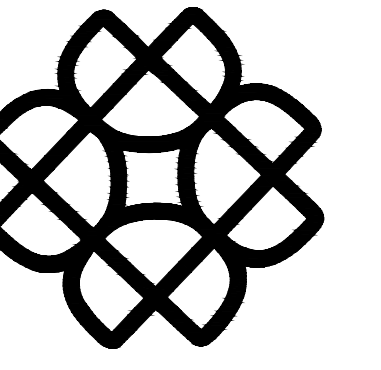
FLAG NOTES (X) :

- 1. INSTALL GFI RECEPTACLE TO SATISFY NEC 210.63 AND 210.8(E), EQUIPMENT REQUIRING SERVICING. FIELD VERIFY EXACT LOCATION WITH MECHANICAL CONTRACTOR.
- 2. PROVIDE CONNECTION FOR MAGNETIC DOOR HOLDS AND CONNECT TO THE FIRE ALARM SYSTEM PER CODE AND AHJ. CONFIRM CONNECTION LOCATIONS AND REQUIREMENTS.
- 3. PRELIMINARY CCTV CAMERA LOCATION; COORDINATE ACTUAL LOCATIONS WITH OWNER.
- 4. PROVIDE ELECTRICAL CONNECTION AND DATA DROP FOR CREDIT CARD PAYMENT EQUIPMENT FOR LAUNDRY EQUIPMENT. FIELD VERIFY EXACT LOCATION WITH ARCHITECT AND OWNER.
- 5. CONNECTION TO OUTDOOR HEAT PUMPS: PROVIDE BRANCH CIRCUIT CONNECTION FROM ASSOCIATED UNIT LOAD CENTER. COORDINATE WITH MECHANICAL CONTRACTOR.

ALL LOW VOLTAGE SYSTEMS ARE DESIGN-BUILD. LOW VOLTAGE DEVICES SHOWN IN THIS SET ARE FOR COORDINATION AND SCOPE INTENT PURPOSES ONLY. SEE LOW VOLTAGE CONTRACTOR'S DRAWING SET FOR EQUIPMENT AND DEVICE QUANTITIES AND LOCATIONS.



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

SNO VALLEY SENIOR HOUSING

31845 W COMMERCIAL ST.
CARNATION, WA 98014

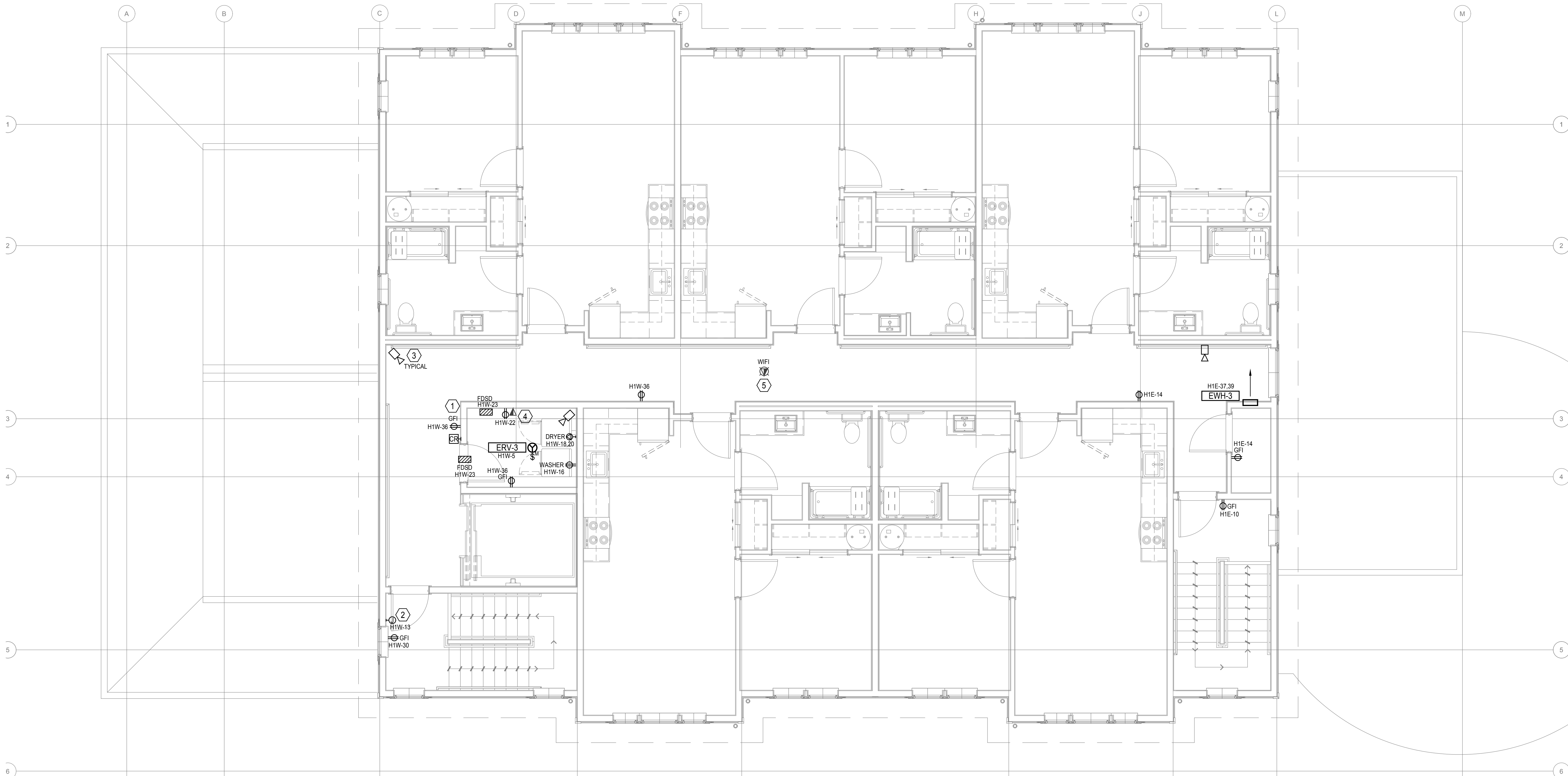


Issuance	
BID SET	
Date	
22 MAY 2023	
Revisions	
#	Description

THIRD LEVEL PLAN - POWER & PRELIMINARY SYSTEMS

Drawn By:	RA
Checked By (P.M.):	RA
Checked By (O.C.):	RA
Project No.	21035

FOR SDCl USE ONLY



THIRD LEVEL PLAN - POWER & PRELIMINARY SYSTEMS
SCALE: 1/4"=1'-0"

GENERAL NOTES:

- A. PROVIDE TAMPER-PROOF RECEPTACLES IN ALL BUILDING AREAS ACCESSIBLE TO GENERAL PUBLIC AND IN RESIDENTIAL UNITS.
- B. SEE ENLARGED DWELLING UNIT PLANS, SHEET E5.01, FOR EQUIPMENT AND DEVICE QUANTITIES AND LOCATIONS IN THE DWELLING UNIT.
- C. ALL TELE/DATA CABLING SHALL BE CAT6 UNLESS NOTED OTHERWISE.
- D. ALL TELE/DATA OUTLETS SHALL BE PROVIDED WITH (2) CABLE DROPS UNLESS NOTED OTHERWISE.

FLAG NOTES (X) :

- 1. INSTALL GFI RECEPTACLE TO SATISFY NEC 210.63 AND 210.8(E), EQUIPMENT REQUIRING SERVICING. FIELD VERIFY EXACT LOCATION WITH MECHANICAL CONTRACTOR.
- 2. PROVIDE CONNECTION FOR MAGNETIC DOOR HOLDS AND CONNECT TO THE FIRE ALARM SYSTEM PER CODE AND AHJ. CONFIRM CONNECTION LOCATIONS AND REQUIREMENTS.
- 3. PRELIMINARY CCTV CAMERA LOCATION; COORDINATE ACTUAL LOCATIONS WITH OWNER.
- 4. PROVIDE ELECTRICAL CONNECTION AND DATA DROP FOR CREDIT CARD PAYMENT EQUIPMENT FOR LAUNDRY EQUIPMENT. FIELD VERIFY EXACT LOCATION WITH ARCHITECT AND OWNER.
- 5. PRELIMINARY WI-FI SYSTEM NETWORK LOCATION, COORDINATE ACTUAL LOCATIONS WITH OWNER'S IT STAFF. PROVIDE (2) CAT6 DROPS FROM THE MDF TO EACH WIFI LOCATION. OWNER TO PROVIDE WIFI EQUIPMENT.

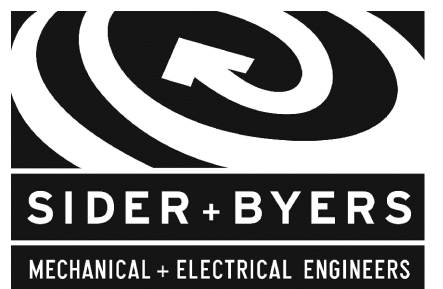
LUMINAIRE SCHEDULE												
MARK	DESCRIPTION	LAMP / LUMENS COLOR TEMP CRI	BALLAST / DRIVER INFORMATION	TOTAL WATTS	VOLT	MOUNTING	RECESS DEPTH (IN)	MANUFACTURER	CATALOG NUMBER	NOTES:		
C1	LED 7-INCH SURFACE DOWNLIGHT, UL LISTED DAMP LOCATION, FIXTURE MUST HAVE EFFICACY OF AT LEAST 65 LUMENS PER WATT PER ENERGY CODE REQUIREMENTS.	1100 LUMENS 3000K 80+	0-10V DIMMING	15.0	120	CEILING		JUNO	J5F 7IN 10LM 30K MVOLT WH	1, 2		
C2	LED 13-INCH SURFACE DOWNLIGHT, UL LISTED DAMP LOCATION, FIXTURE MUST HAVE EFFICACY OF AT LEAST 65 LUMENS PER WATT PER ENERGY CODE REQUIREMENTS. PROVIDE WITH INTEGRAL EMERGENCY BATTERY PACK WHERE INDICATED.	1800 LUMENS 3000K 80+	0-10V DIMMING	20.0	120	CEILING		JUNO	J5F 11IN 18LM 30K MVOLT WH (E10WLCP / EBX)	1, 2		
C3	LED 5-INCH SURFACE DOWNLIGHT, UL LISTED DAMP LOCATION, FIXTURE MUST HAVE EFFICACY OF AT LEAST 65 LUMENS PER WATT PER ENERGY CODE REQUIREMENTS.	700 LUMENS 3000K 80+	0-10V DIMMING	10.0	120	CEILING		JUNO	J5F 5IN 07LM 30K MVOLT WH			
C4	26-INCH FLUSH MOUNT ROUND WITH DECORATIVE TRIM RINGS, LED SOURCE, FIXTURE MUST HAVE EFFICACY OF AT LEAST 65 LUMENS PER WATT PER ENERGY CODE REQUIREMENTS. PROVIDE WITH INTEGRAL EMERGENCY BATTERY PACK WHERE INDICATED.	2000 LUMENS 3000K 80+	ELECTRONIC	30.0	120	CEILING		BROWNLEE	2420-25-H30-**-30K-(BB)	1, 2		
C5	37-INCH FLUSH MOUNT ROUND WITH DECORATIVE TRIM RINGS, LED SOURCE, FIXTURE MUST HAVE EFFICACY OF AT LEAST 65 LUMENS PER WATT PER ENERGY CODE REQUIREMENTS. PROVIDE WITH INTEGRAL EMERGENCY BATTERY PACK WHERE INDICATED.	5300 LUMENS 3000K 80+	ELECTRONIC	70.0	120	CEILING		BROWNLEE	2420-37-H70-**-30K-(BB)	1, 2		
										1, 2		
L1	LED 4-FT LENSED STRIP WITH DROP LENS, CHAIN-HANG OR SURFACE / WALL-MOUNTED, PROVIDE WITH INTEGRAL EMERGENCY BATTERY PACK WHERE INDICATED.	3000 LUMENS 3000K 80+	ELECTRONIC	27.0	120	VARIOUS		LITHONIA	ZL1D L48 5MR 3000LM FST MVOLT 30K 80CRI	1, 2		
L2	SURFACE MOUNTED ARCHITECTURAL LINEAR, 4-INCH SQUARE HOUSING, FROSTED ACRYLIC DIFFUSER	3200 LUMENS 3000K 80+	0-10V DIMMING	35.0	120	CEILING		LEDALITE	2911L 930 30 QN 04 DE1* 5F			
L3	SURFACE MOUNTED LINEAR WALL WASHER, FROSTED ACRYLIC DIFFUSER, 4-FOOT LENGTH	277 LUMENS / FT 3000K 80+	0-10V DIMMING	3W/FT	120	CEILING		LUMINI	BOS-36"-HE46SO-30K-F-FC-**-B PDCU-D-30-24			
L4	WALL MOUNTED LINEAR VANITY FIXTURE, FROSTED ACRYLIC DIFFUSER, 4-FOOT LENGTH	2000 LUMENS 3000K 80+	ELECTRONIC	30.0	120	CEILING		BIRCHWOOD	NOL-LED-22S-HL0-30-4**-FW-120-EB-SM			
L5	LED LINEAR VAPOR TIGHT LUMINAIRE, LUMINAIRE TO BE IP 66 CERTIFIED AND NOT MORE THAN 4-INCHES DEEP PER ELEVATOR CODE. PROVIDE WITH INTEGRAL BATTERY PACK.	4000 LUMENS 4000K 80+	ELECTRONIC	40.0	120	WALL		LITHONIA	DMW2-L24-4000LM-PFL-MD-MVOLT-GZ10-30K-80CRI-E10WCP	1, 2, 3		
S1X	LED 4-FT LINEAR STAIRWELL LUMINAIRE WITH INTEGRAL OCCUPANCY SENSOR, WHEN NO OCCUPANCY IS DETECTED FOR 15 MINUTES LUMINAIRE TO AUTOMATICALLY DIM DOWN TO 50% OUTPUT, UPON DETECTION OF OCCUPANCY, LUMINAIRE TO AUTOMATICALLY RAISE TO 100% OUTPUT, OCCUPANCY SENSOR TO FAIL ON. PROVIDE WITH INTEGRAL EMERGENCY LIGHTING BATTERY PACK WITH AT LEAST	3900 LUMENS 3000K 80+	0-10V DIMMING	34.4	120	WALL / SURFACE		H.W. WILLIAMS	SLF-4-L52-8-30-HIA-OCSS SBR-10-D-UNV - DIM-UNV	1, 2, 3		
U1	LED VANITY FIXTURE, 3-FOOT LENGTH, FROSTED DIFFUSER, FIXTURE MUST HAVE EFFICACY OF AT LEAST 65 LUMENS PER WATT PER ENERGY CODE REQUIREMENTS.	2200 LUMENS 3000K 90+	ELECTRONIC	20.0	120	SURFACE		LUMENCIA	LLFL2105D-30K-MCT-**-ORB	1, 2		
U2	LED 7-INCH SURFACE MOUNT DOWNLIGHT, DAMP LABEL RATED, FIXTURE MUST HAVE EFFICACY OF AT LEAST 65 LUMENS PER WATT PER ENERGY CODE REQUIREMENTS.	1000 LUMENS 3000K 80+	ELECTRONIC	13.0	120	CEILING		JUNO	J5F 7IN 10LM 30K 120 FRPC WH	1, 2		
U3	LED 11-INCH SURFACE MOUNT DOWNLIGHT, FIXTURE MUST HAVE EFFICACY OF AT LEAST 65 LUMENS PER WATT PER ENERGY CODE REQUIREMENTS.	1800 LUMENS 3000K 80+	ELECTRONIC	15.0	120	CEILING		JUNO	J5F 11IN 18LM 30K 120 FRPC WH	1, 2		
U4	24-INCH FLUSH MOUNT ROUND WITH DECORATIVE TRIM RINGS, LED SOURCE, FIXTURE MUST HAVE EFFICACY OF AT LEAST 65 LUMENS PER WATT PER ENERGY CODE REQUIREMENTS.	3000 LUMENS 3000K 80+	ELECTRONIC	39.0	120	CEILING		SATCO/NUVO	62-1738	1, 2		
U5	SURFACE MOUNT 1X4 CLOUD FIXTURE, LED SOURCE, FROSTED ACRYLIC DIFFUSER, FIXTURE MUST HAVE EFFICACY OF AT LEAST 65 LUMENS PER WATT PER ENERGY CODE REQUIREMENTS.	4000 LUMENS 3000K 80+	ELECTRONIC	52.0	120	CEILING		SATCO/NUVO	62-1741	1, 2		
U6	SURFACE MOUNTED LINEAR UNDERCABINET LIGHT, LED SOURCE, FIXTURE MUST HAVE EFFICACY OF AT LEAST 65 LUMENS PER WATT PER ENERGY CODE REQUIREMENTS.	300 LUMENS/FT 3000K 80+	ELECTRONIC	4W/FT	120	SURFACE		COOPER / HALO	HU30-SCT-24*	1, 2		
W1	POLE MOUNTED LED PARKING LOT LIGHT, FULL CUT-OFF, TYPE 4 DISTRIBUTION, PROVIDE ROUND STEEL POLE, INTEGRAL MOTION SENSOR FOR BI-LEVEL DIMMING, FIXTURE TO BE MOUNTED AT 22-FEET AFF.	8,000 LUMENS 3000K 80+	ELECTRONIC	90.0	120	WALL		CREE LIGHTING	ARE-EDR-4MB-R4-06-E-UL-**-525-HL-30K	1, 2, 3		
W2	NOT USED											
W3	LED EXTERIOR ARCHITECTURAL AREA LIGHT, FULL CUTOFF, TYPE 4 FORWARD THROW DISTRIBUTION, FIXTURE TO BE MOUNTED AT 18-FEET AFF	7000 LUMENS 3000K 80+	ELECTRONIC	58.0	120	WALL		MCGRAW-EDISON	ISS-SA1-E-730-U-T4FT-HSS	1, 2, 3		
W4	LED EXTERIOR ARCHITECTURAL WALL SCONCE, FULL CUTOFF	1200 LUMENS 3000K 80+	ELECTRONIC	15.0	120	WALL		LITHONIA	WDGE1 LED P1 30K 80CRI VW MVOLT **	1, 2		
X1	LED SELF-POWERED EXIT SIGN, WHITE WITH GREEN LETTERING.			1.5	120	VARIOUS				1, 2, 4		

- NOTES:**
1. PROVIDE ALL PARTS, COMPONENTS, AND HARDWARE TO CONSTITUTE A COMPLETE INSTALLATION WITH OPTIONS INDICATED IN LUMINAIRE SCHEDULE. CATALOG NUMBERS FOR SUCH ITEMS ARE NOT INCLUDED IN SCHEDULE ABOVE.
 2. COORDINATE ALL COLORS / FINISHES WITH ARCHITECT.
 3. WHERE SWITCHING OF EMERGENCY LUMINAIRES IS INDICATED ON THE PLANS, PROVIDE UL 924 BYPASS DEVICES PER CODE REQUIREMENTS.
 4. SEE LIGHTING PLANS FOR MOUNTING AND FACES / ARROWS AT EACH LOCATION.

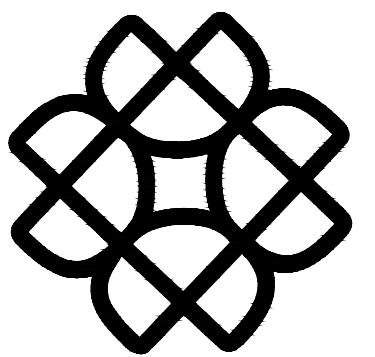
LIGHTING CONTROLS NARRATIVE :

CONTRACTOR TO PROVIDE A LIGHTING CONTROLS SYSTEM IN COMPLIANCE WITH THE RESIDENTIAL PORTION OF THE 2018 WASHINGTON STATE ENERGY CODE. THE SYSTEM IS TO OPERATE IN THE FOLLOWING MANNER:

- THE LIGHTING CONTROL PANEL SHALL BE CAPABLE OF PROVIDING ALL THE FOLLOWING OPERATIONS LISTED HERE
- ALL EXTERIOR LIGHTING (INCLUDING PARKING LOT, AREA, & BUILDING MOUNTED FIXTURES) ARE TO HAVE AUTOMATIC ON/OFF ACTIVATION VIA THE LIGHTING CONTROL PANEL TIME CLOCK.
- THE ENTRY VESTIBULE, LOUNGE AREAS (L1 & L2) AND CORRIDORS WILL REMAIN ON AT ALL TIMES.
- MANUAL DIMMING SWITCHES ARE TO BE PROVIDED IN THE LOUNGE SPACES FOR MANUAL ADJUSTMENT OF THE LIGHTING LEVELS. SWITCH-LEGS AND CONTROL ZONES ARE INDICATED ON FIXTURE CIRCUIT TAGS.
- WHERE INDICATED OCCUPANCY SENSORS ARE PROVIDED IN THE CORRIDORS FOR BI-LEVEL DIMMING OF THE CORRIDOR LIGHTING WHEN THE SPACE IS UNOCCUPIED.
- ALL ENCLOSED OFFICES, STORAGE, LAUNDRY ROOMS, ETC WILL HAVE A LOCAL VACANCY SENSOR FOR AUTOMATIC OFF AND A WALL SWITCH FOR MANUAL ACTIVATION OF FIXTURES.
- THE STAFF OPEN OFFICE IS TO BE CONTROLLED VIA LOCAL VACANCY SENSORS AND MANUAL ON DIMMING SWITCHES. THE ADJACENT CORRIDOR IS TO HAVE OCCUPANCY SENSORS FOR AUTOMATIC ON/OFF ACTIVATION.
- ALL RESTROOMS WILL HAVE A LOCAL OCCUPANCY SENSOR FOR AUTOMATIC ON AND OFF ACTIVATION OF FIXTURES.
- ALL DWELLING UNITS ARE STAND ALONE RESIDENTIAL SPACES WITH MANUAL CONTROL SWITCHES. SEE SHEET E5.1 FOR MORE INFORMATION.



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

**SNO VALLEY
SENIOR HOUSING**

31845 W COMMERCIAL ST.
CARNATION, WA 98014

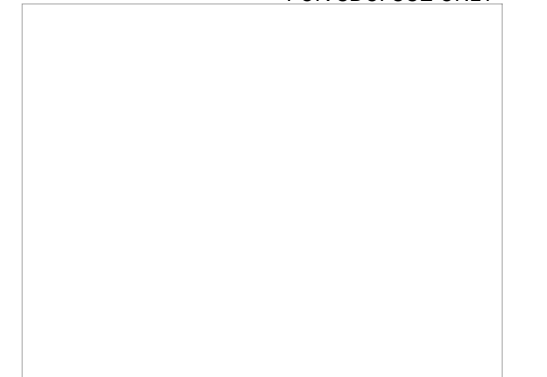


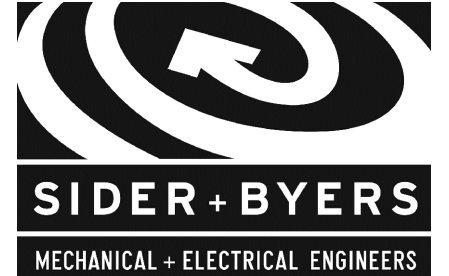
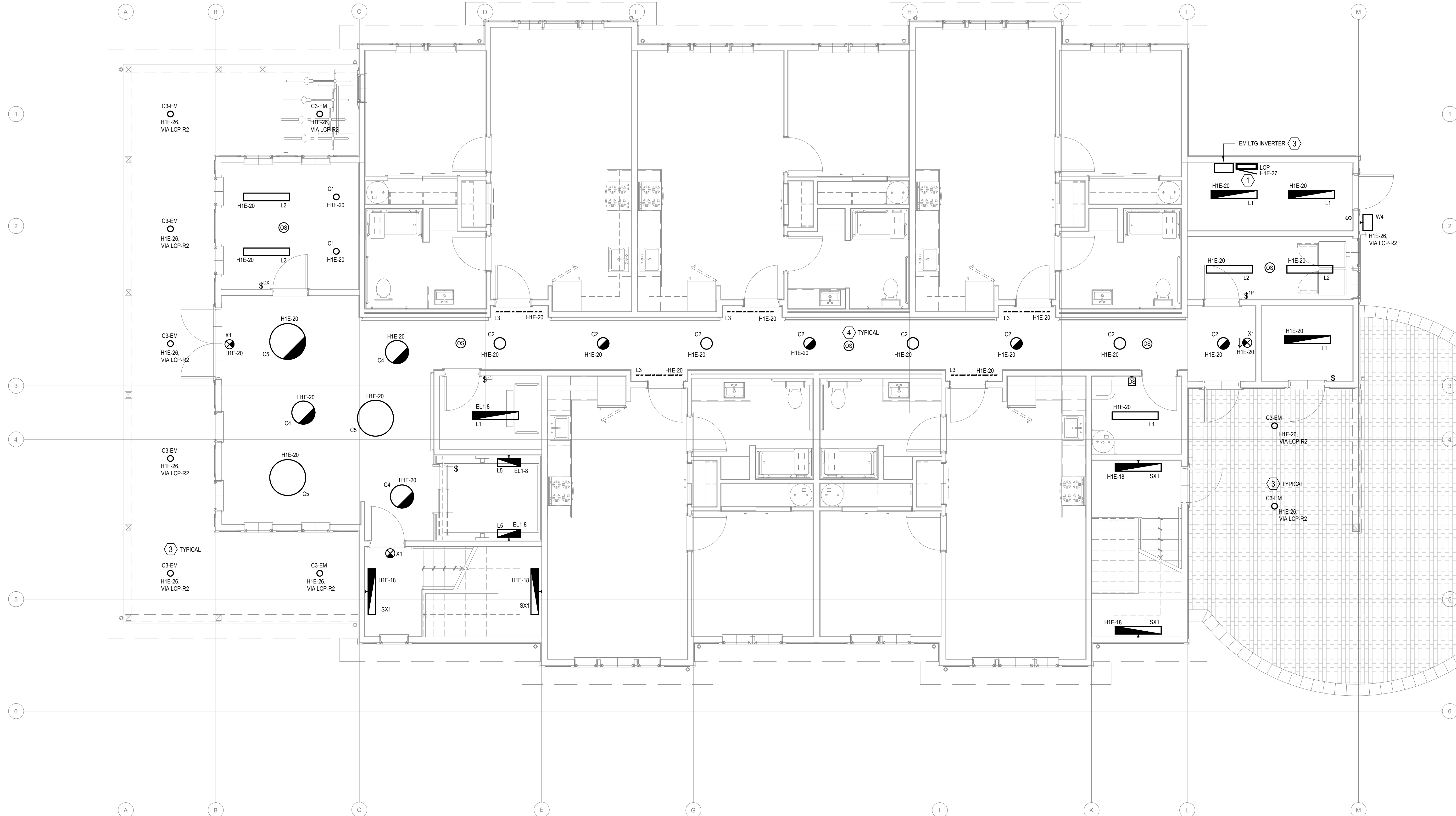
Issuance
BID SET
Date
22 MAY 2023
Revisions
Date Description

LUMINAIRE SCHEDULE

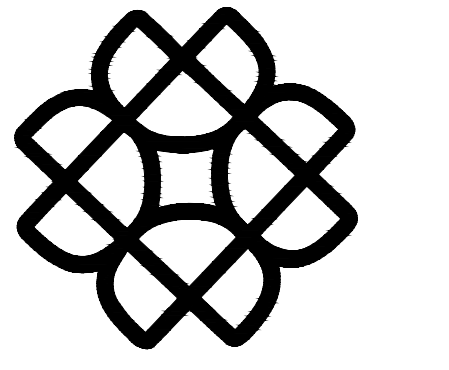
Drawn By:
RA
Checked By (P.M.):
RA
Checked By (O.C.):
RA
Project No.
21035

FOR SDCl USE ONLY





192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

**SNO VALLEY
SENIOR HOUSING**

31845 W COMMERCIAL ST.
CARNATION, WA 98014



Issuance	
BID SET	
Date	22 MAY 2023
Revisions	
#	Date Description

MAIN LEVEL PLAN - LIGHTING PLAN
SCALE: 1/4"=1'-0"

GENERAL NOTES:

- A. LIGHTING FIXTURE TYPES MARKED WITH SUFFIX "EM" (W4-EM FOR EXAMPLE) INDICATE EMERGENCY LIGHTING THAT SHALL BE POWERED VIA EMERGENCY LIGHTING INVERTER. PROVIDE UL 924 DEVICES AS NEEDED FOR CONTROLS INTENT SHOWN.
- B. LIGHTING FIXTURE TYPES MARKED WITH SUFFIX "X" (S1X FOR EXAMPLE) ARE TO BE PROVIDED WITH INTEGRAL BATTERY PACKS. SEE LUMINAIRE SCHEDULE.
- C. SEE LIGHTING CONTROL NARRATIVE ON SHEET E3.0 FOR FUNCTIONALITY OF CONTROL SYSTEM.

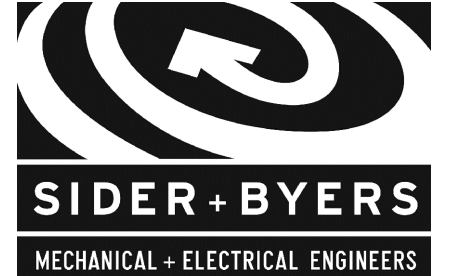
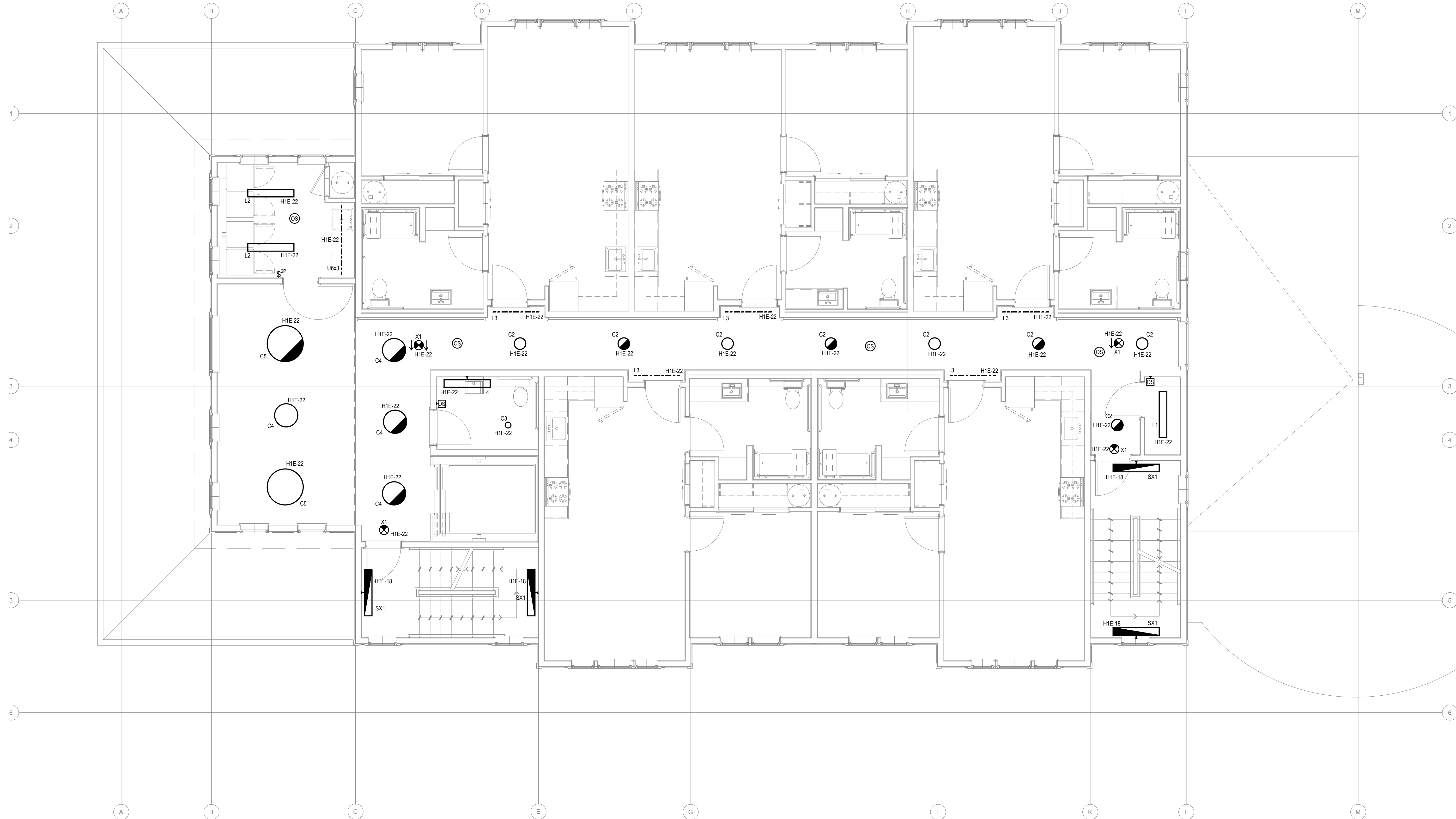
FLAG NOTES (X):

1. LIGHTING CONTROL PANEL. PROVIDE DIGITAL, LIGHTING CONTROLS SYSTEM WITH TIME CLOCK ON/OFF ACTIVATION CAPABILITIES. PROVIDE DEDICATED 120V CIRCUIT TO POWER LCP.
2. ALL EXTERIOR BUILDING MOUNTED AND SITE LIGHTING FIXTURES SHALL BE AUTOMATICALLY CONTROLLED ON/OFF BY THE LIGHTING CONTROL SYSTEM, VIA CENTRAL TIME CLOCK OR PHOTOCELL.
3. PROVIDE EMERGENCY INVERTER FOR EXTERIOR BUILDING MOUNTED FIXTURES ALONG THE EGRESS PATHWAY. INVERTER TO HAVE MINIMUM OF 325 WATTS OF BACKUP CAPACITY. LOCATE INVERTER IN MAIN ELECTRICAL ROOM. PROVIDE PERMANENT LABELING IDENTIFYING LOCATION OF LUMINAIRES SERVED AND CIRCUIT.
4. PROVIDE EXTENDED RANGE OCCUPANCY SENSORS IN THE CORRIDOR. ALL CEILING MOUNTED LUMINAIRES IN CORRIDOR ARE TO AUTOMATICALLY DIM DOWN TO 50% OUTPUT WHEN THE AREA IS UNOCCUPIED FOR 15 MINUTES. OCCUPANCY SENSORS ARE TO BE CONNECTED SUCH THAT OCCUPANCY DETECTED BY ANY SENSOR IN A CORRIDOR WILL TURN ON / HOLD ON ALL LUMINAIRES IN THAT CORRIDOR. FIELD VERIFY EXACT LOCATION FOR SENSORS WITH ALL OTHER TRADES TO ENSURE FULL COVERAGE OF CORRIDOR.

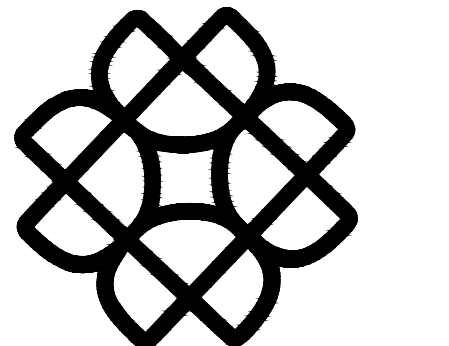
**MAIN LEVEL PLAN -
LIGHTING PLAN**

Drawn By: RA
Checked By (P.M.): RA
Checked By (O.C.): RA
Project No. 21035

FOR SDCl USE ONLY



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

**SNO VALLEY
SENIOR HOUSING**

31845 W COMMERCIAL ST.
CARNATION, WA 98014



Issuance	
BID SET	
Date	22 MAY 2023
Revisions	
#	Date Description

SECOND LEVEL PLAN - LIGHTING PLAN
SCALE: 1/4"=1'-0"

GENERAL NOTES:

- A. LIGHTING FIXTURE TYPES MARKED WITH SUFFIX "EM" (W4-EM FOR EXAMPLE) INDICATE EMERGENCY LIGHTING THAT SHALL BE POWERED VIA EMERGENCY LIGHTING INVERTER. PROVIDE UL 924 DEVICES AS NEEDED FOR CONTROLS INTENT SHOWN.
- B. LIGHTING FIXTURE TYPES MARKED WITH SUFFIX "X" (S1X FOR EXAMPLE) ARE TO BE PROVIDED WITH INTEGRAL BATTERY PACKS. SEE LUMINAIRE SCHEDULE.
- C. SEE LIGHTING CONTROL NARRATIVE ON SHEET E3.0 FOR FUNCTIONALITY OF CONTROL SYSTEM.

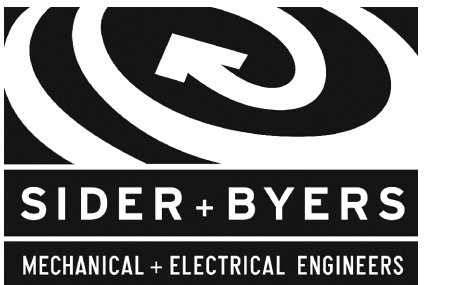
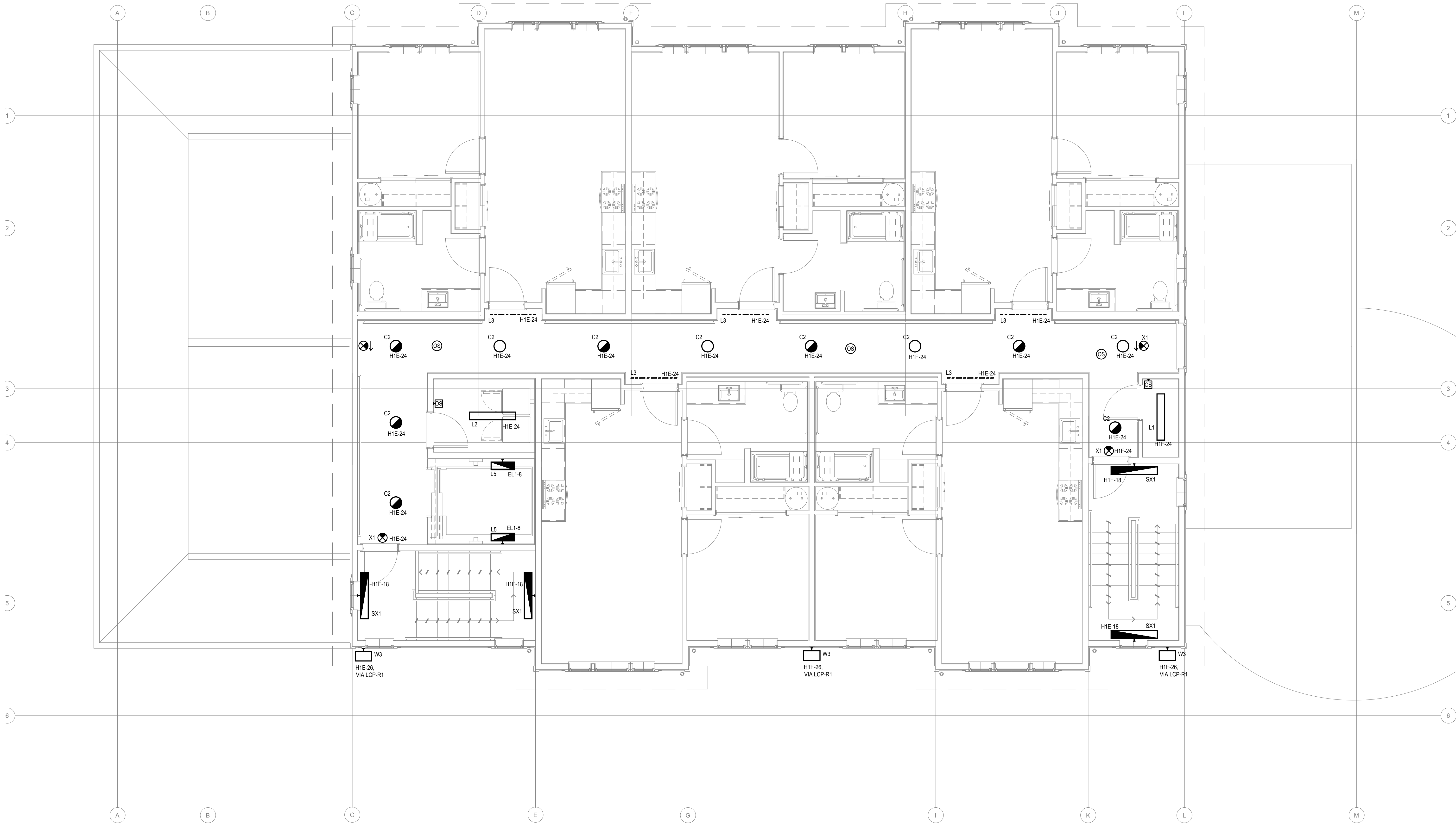
FLAG NOTES (X):

1. LIGHTING CONTROL PANEL. PROVIDE DIGITAL, LIGHTING CONTROLS SYSTEM WITH TIME CLOCK ON/OFF ACTIVATION CAPABILITIES. PROVIDE DEDICATED 120V CIRCUIT TO POWER LCP.
2. ALL EXTERIOR BUILDING MOUNTED AND SITE LIGHTING FIXTURES SHALL BE AUTOMATICALLY CONTROLLED ON/OFF BY THE LIGHTING CONTROL SYSTEM, VIA CENTRAL TIME CLOCK OR PHOTOCELL.
3. PROVIDE EMERGENCY INVERTER FOR EXTERIOR BUILDING MOUNTED FIXTURES ALONG THE EGRESS PATHWAY. INVERTER TO HAVE MINIMUM OF 325 WATTS OF BACKUP CAPACITY. LOCATE INVERTER IN MAIN ELECTRICAL ROOM. PROVIDE PERMANENT LABELING IDENTIFYING LOCATION OF LUMINAIRES SERVED AND CIRCUIT.
4. PROVIDE EXTENDED RANGE OCCUPANCY SENSORS IN THE CORRIDOR. ALL CEILING MOUNTED LUMINAIRES IN CORRIDOR ARE TO AUTOMATICALLY DIM DOWN TO 50% OUTPUT WHEN THE AREA IS UNOCCUPIED FOR 15 MINUTES. OCCUPANCY SENSORS ARE TO BE CONNECTED SUCH THAT OCCUPANCY DETECTED BY ANY SENSOR IN A CORRIDOR WILL TURN ON / HOLD ON ALL LUMINAIRES IN THAT CORRIDOR. FIELD VERIFY EXACT LOCATION FOR SENSORS WITH ALL OTHER TRADES TO ENSURE FULL COVERAGE OF CORRIDOR.

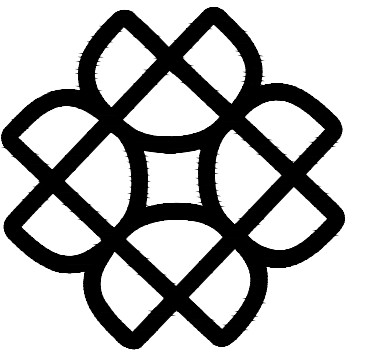
**SECOND LEVEL PLAN -
LIGHTING PLAN**

Drawn By: RA
Checked By (P.M.): RA
Checked By (O.C.): RA
Project No. 21035

FOR SDCl USE ONLY



192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

**SNO VALLEY
SENIOR HOUSING**

31845 W COMMERCIAL ST.
CARNATION, WA 98014



Issuance	
BID SET	
Date	22 MAY 2023
Revisions	
#	Date Description

THIRD LEVEL PLAN - LIGHTING PLAN
SCALE: 1/4"=1'-0"

GENERAL NOTES:

- LIGHTING FIXTURE TYPES MARKED WITH SUFFIX "EM" (W4-EM FOR EXAMPLE) INDICATE EMERGENCY LIGHTING THAT SHALL BE POWERED VIA EMERGENCY LIGHTING INVERTER. PROVIDE UL 924 DEVICES AS NEEDED FOR CONTROLS INTENT SHOWN.
- LIGHTING FIXTURE TYPES MARKED WITH SUFFIX "X" (S1X FOR EXAMPLE) ARE TO BE PROVIDED WITH INTEGRAL BATTERY PACKS. SEE LUMINAIRE SCHEDULE.
- SEE LIGHTING CONTROL NARRATIVE ON SHEET E3.0 FOR FUNCTIONALITY OF CONTROL SYSTEM.

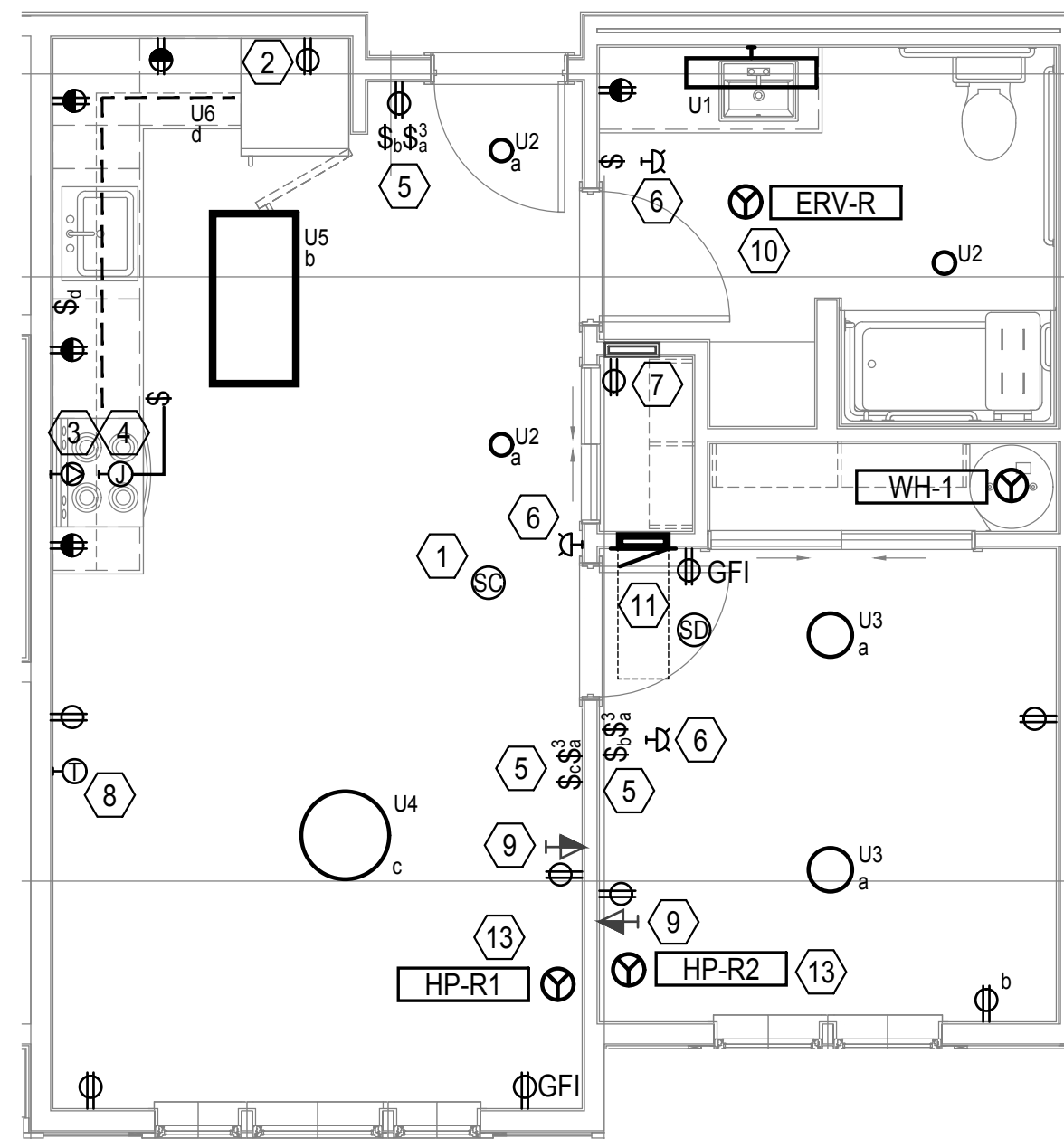
FLAG NOTES (X):

- LIGHTING CONTROL PANEL. PROVIDE DIGITAL, LIGHTING CONTROLS SYSTEM WITH TIME CLOCK ON/OFF ACTIVATION CAPABILITIES. PROVIDE DEDICATED 120V CIRCUIT TO POWER LCP.
- ALL EXTERIOR BUILDING MOUNTED AND SITE LIGHTING FIXTURES SHALL BE AUTOMATICALLY CONTROLLED ON/OFF BY THE LIGHTING CONTROL SYSTEM, VIA CENTRAL TIME CLOCK OR PHOTOCELL.
- PROVIDE EMERGENCY INVERTER FOR EXTERIOR BUILDING MOUNTED FIXTURES ALONG THE EGRESS PATHWAY. INVERTER TO HAVE MINIMUM OF 325 WATTS OF BACKUP CAPACITY. LOCATE INVERTER IN MAIN ELECTRICAL ROOM. PROVIDE PERMANENT LABELING IDENTIFYING LOCATION OF LUMINAIRES SERVED AND CIRCUIT.
- PROVIDE EXTENDED RANGE OCCUPANCY SENSORS IN THE CORRIDOR. ALL CEILING MOUNTED LUMINAIRES IN CORRIDOR ARE TO AUTOMATICALLY DIM DOWN TO 50% OUTPUT WHEN THE AREA IS UNOCCUPIED FOR 15 MINUTES. OCCUPANCY SENSORS ARE TO BE CONNECTED SUCH THAT OCCUPANCY DETECTED BY ANY SENSOR IN A CORRIDOR WILL TURN ON / HOLD ON ALL LUMINAIRES IN THAT CORRIDOR. FIELD VERIFY EXACT LOCATION FOR SENSORS WITH ALL OTHER TRADES TO ENSURE FULL COVERAGE OF CORRIDOR.

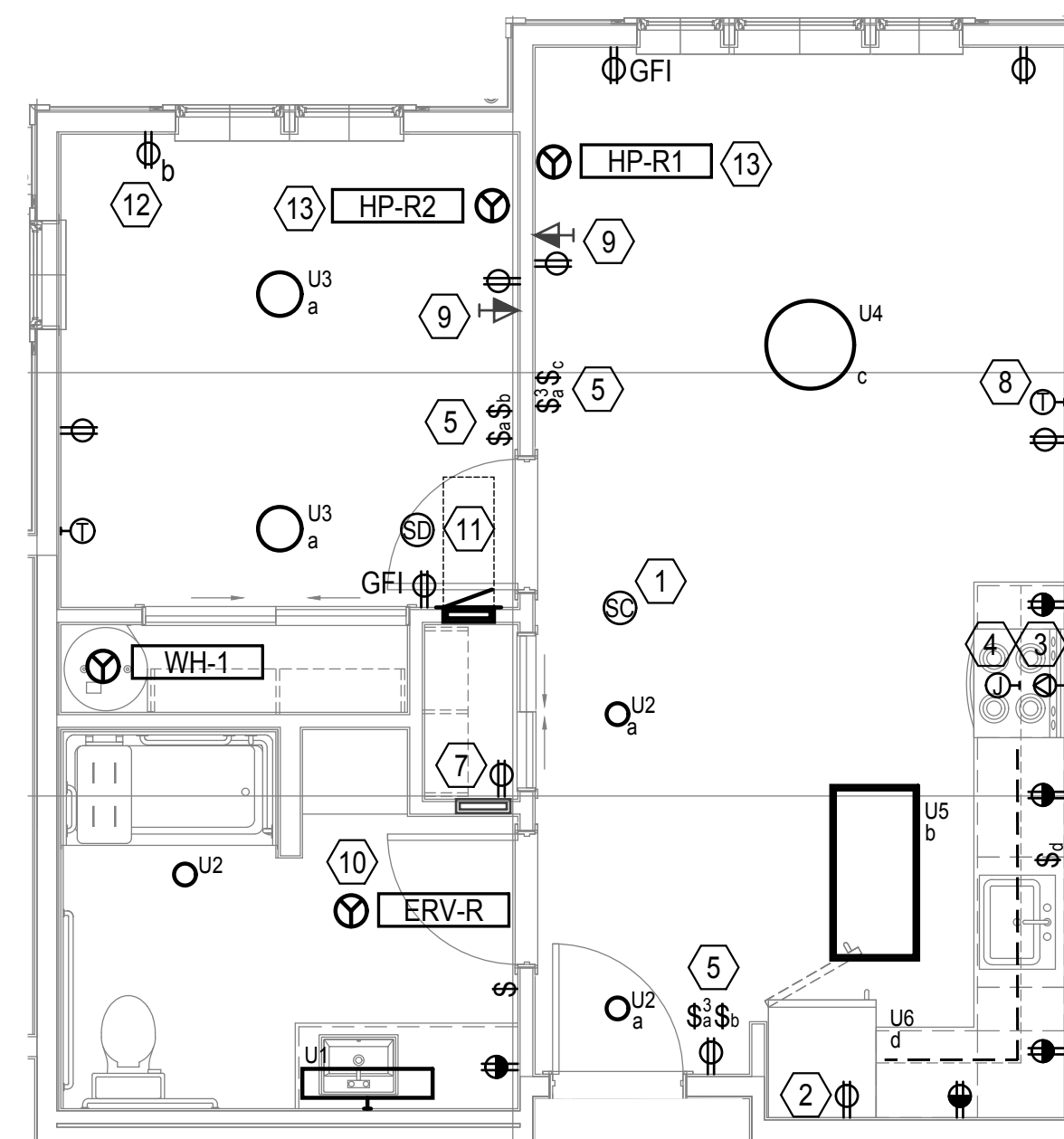
**THIRD LEVEL PLAN -
LIGHTING PLAN**

Drawn By:	RA
Checked By (P.M.):	RA
Checked By (O.C.):	RA
Project No.	21035

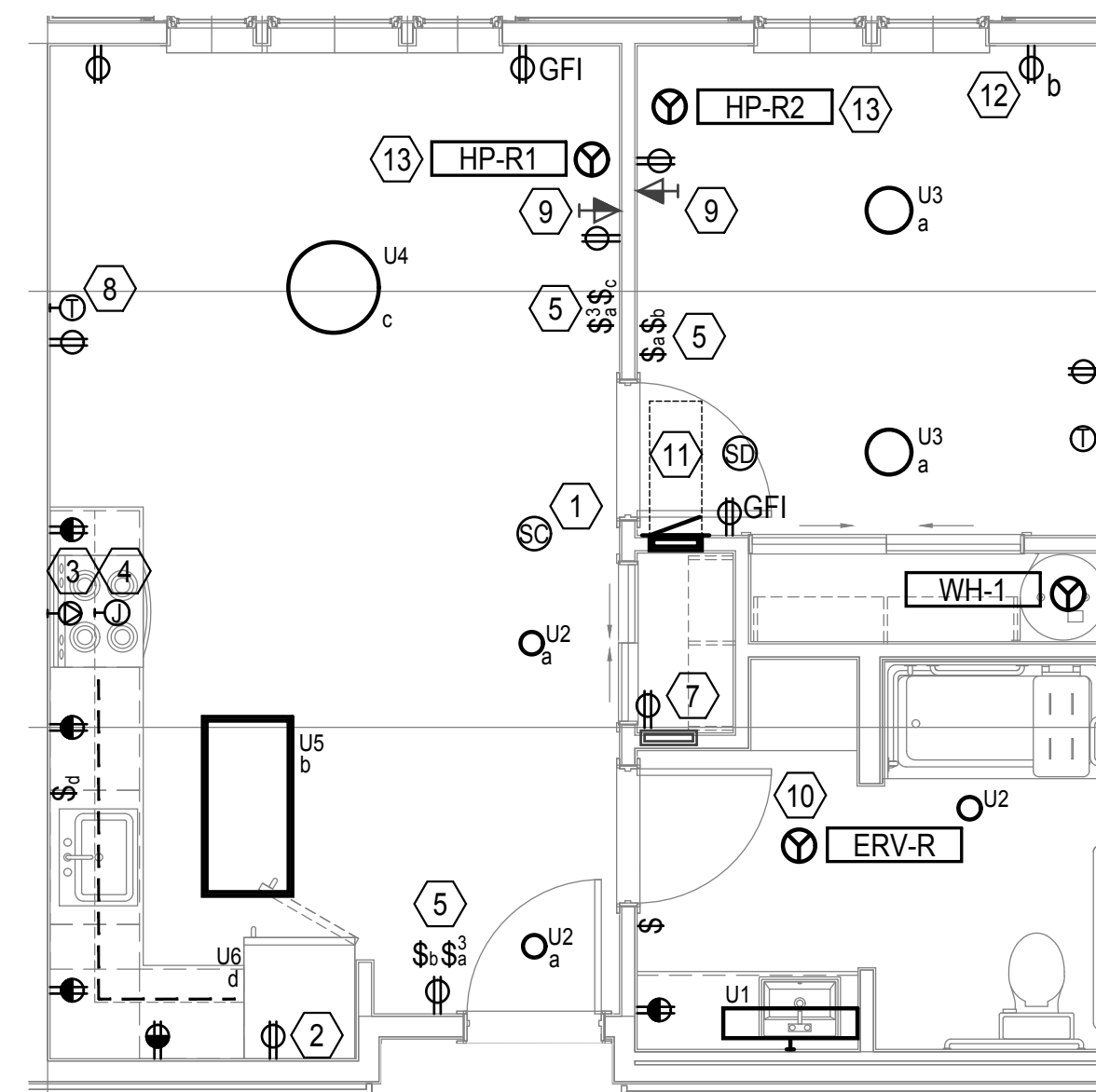




1 PLAN A - 1BR TYPE A
1/4"=1'-0"



2 PLAN A - 1BR
1/4"=1'-0"



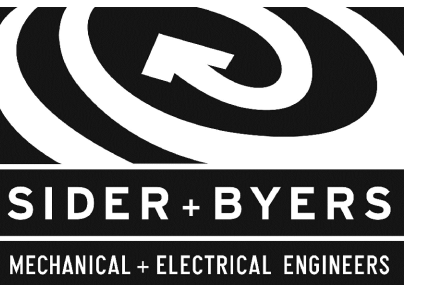
2 PLAN B - 1BR
1/4"=1'-0"

GENERAL NOTES:

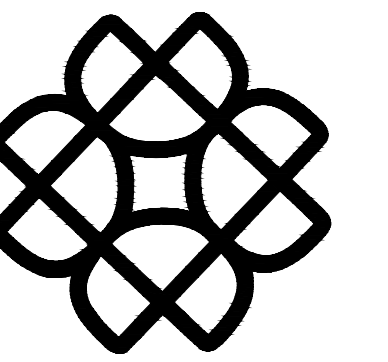
- A. PROVIDE TAMPER-PROOF RECEPTACLES FOR ALL DEVICES IN RESIDENTIAL UNITS

FLAG NOTES (X):

1. COMBINATION SMOKE DETECTOR / CARBON MONOXIDE ALARM. FINAL LOCATION AS REQUIRED BY FIRE MARSHAL. TYPICAL.
2. RECEPTACLE FOR REFRIGERATOR. FIELD VERIFY EXACT LOCATION. PROVIDE AFCI/GFCI BREAKER WHERE REFRIGERATOR IS WITHIN 6 FEET OF THE SINK.
3. CONNECTION FOR RANGE. FIELD VERIFY EXACT LOCATION. CONFIRM FINAL CONNECTION REQUIREMENTS WITH EQUIPMENT PROVIDER.
4. CONNECTION FOR RANGE EXHAUST HOOD. IN TYPE A UNITS, PROVIDE WITH MANUAL SWITCH MOUNTED AT OPEN KNEE COUNTER AREA FOR ACCESSIBLE ON/ OFF CONTROLS. FIELD VERIFY EXACT LOCATIONS.
5. GANG SWITCHES UNDER ONE FACEPLATE.
6. PROVIDE STROBES FOR FIRE ALARM IN TYPE A UNITS.
7. PROVIDE MEDIA PANEL/ SMART BOX WITH INTEGRAL RECEPTACLE FOR PHONE, DATA AND CATV SERVICE FOR THE DWELLING UNIT. PROVIDE BOX LARGE ENOUGH TO ACCOMMODATE FUTURE ROUTER/ GATEWAY DEVICE. FIELD VERIFY EXACT LOCATION.
8. PROVIDE A PROGRAMMABLE 2-POLE THERMOSTAT IN THE LIVING AREA. FIELD VERIFY EXACT LOCATION WITH OWNER AND ARCHITECT.
9. COMBINATION COAX/ CAT6 OUTLET.
10. CONNECTION TO RESIDENTIAL UNIT ERV. VERIFY REQUIREMENTS (SEE MECHANICAL DRAWINGS).
11. TYPICAL UNIT LOAD CENTER.
12. SWITCHED RECEPTACLE.
13. CONNECTION FOR HEAT PUMP. COORDINATE WITH MECHANICAL CONTRACTOR ON INSTALLATION REQUIREMENTS.



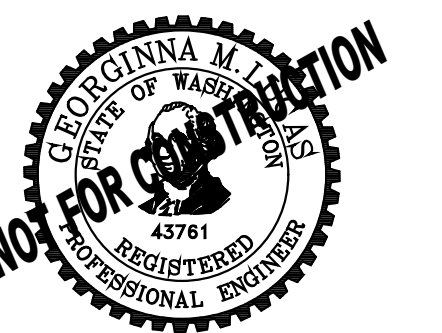
192 Nickerson, Suite #300
Seattle, Washington 98109
Phone: 206.285.2966



402 15th Avenue East
Seattle, Washington 98112
phone: 206.329.8300
fax: 206.329.5494

SNO VALLEY
SENIOR HOUSING

31845 W COMMERCIAL ST.
CARNATION, WA 98014



Issuance	
BID SET	
Date	22 MAY 2023
Revisions	
#	Date Description

ENLARGED UNIT PLANS

Drawn By: RA
Checked By (P.M.): RA
Checked By (O.C.): RA
Project No. 21035

FOR SDCI USE ONLY