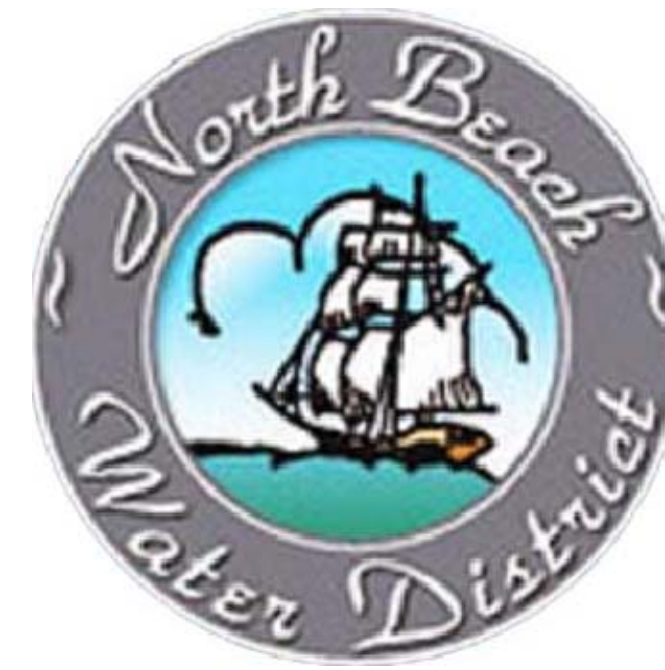
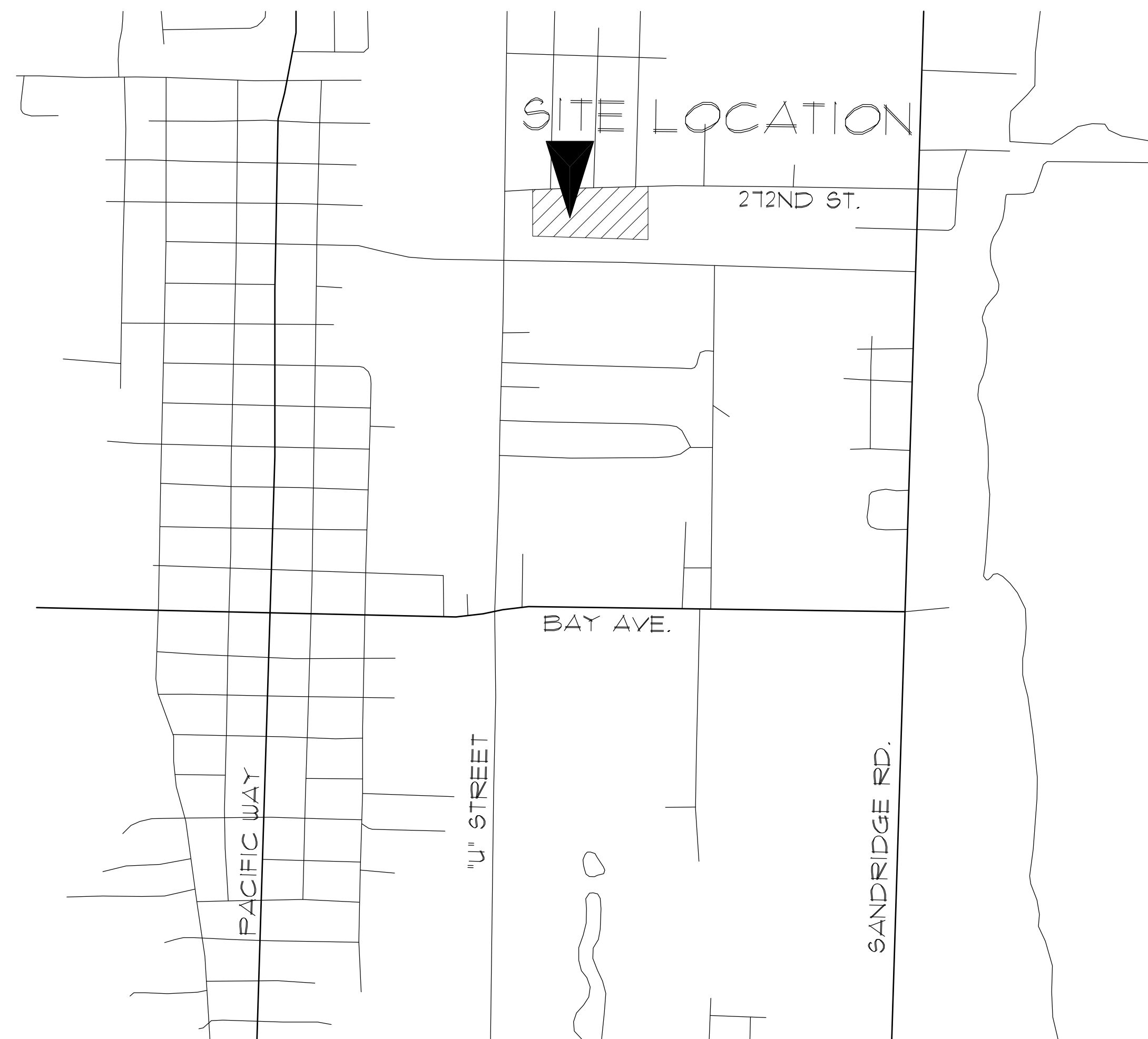


NORTH BEACH WATER DISTRICT



NEW OFFICE AND FACILITIES BUILDING

OCEAN PARK, WASHINGTON



COMMISSIONER POSITION 1: **BRIAN SHELDON**

COMMISSIONER POSITION 2: **GWEN BRAKE**

COMMISSIONER POSITION 3: **GLENN RIPLEY**

GENERAL MANAGER: **WILLIAM "BILL" NEAL**

OFFICE MANAGER: **JACK MCCARTY**

PROJECT ARCHITECT: **DAVID E. JENSEN ARCHITECT, P.S.**

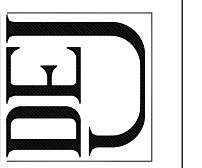
STRUCTURAL ENGINEER: **IL GROSS STRUCTURAL ENGINEERS**

ELECTRICAL ENGINEER: **ATHAY AND ASSOCIATES, INC.**

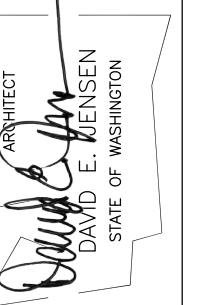
MECHANICAL ENGINEER: **MEP CONSULTING ENGINEERS, INC.**

CIVIL ENGINEER: **UTTI AND ASSOCIATES**

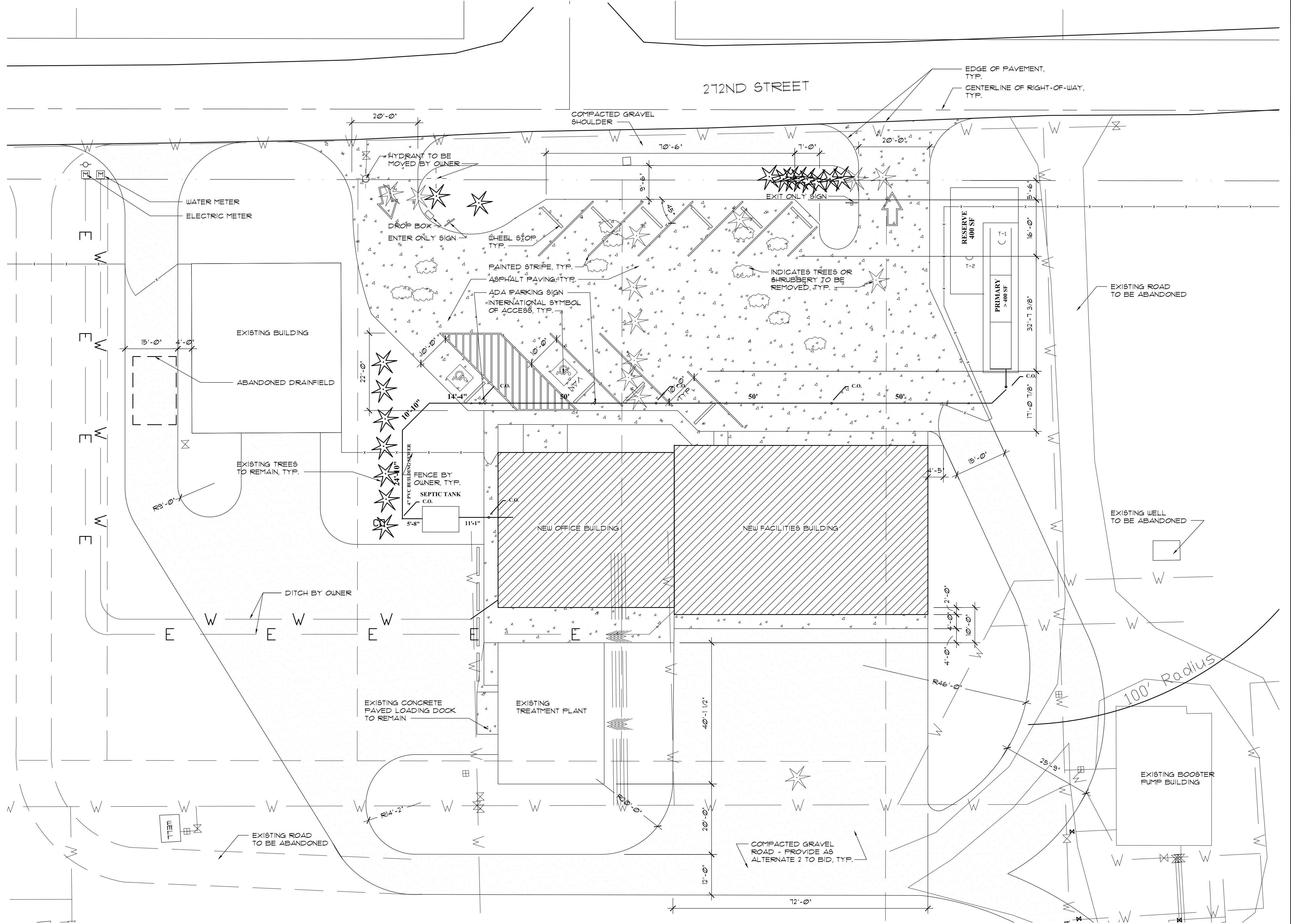
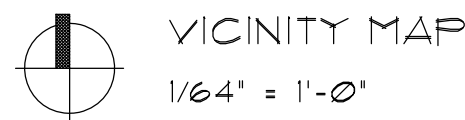
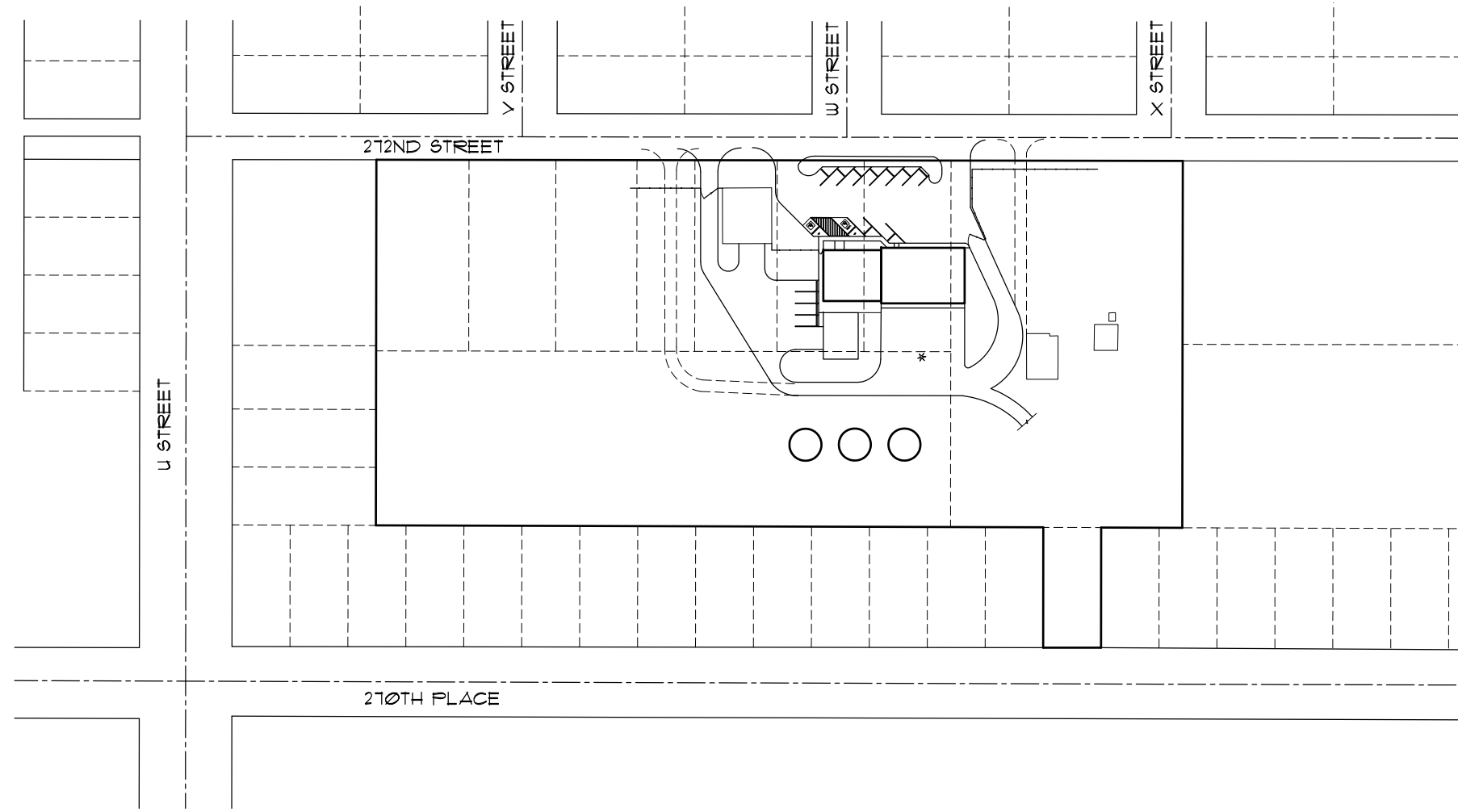
06/01/15	BID / CONSTRUCTION SET
05/21/15	PERMIT SET
06/01/15	PLOT DATE



DAVID E. JENSEN, ARCHITECT
103 PACIFIC AVENUE SOUTH
LONG BEACH, WA 98631
WWW.DAVIDJENSENARCHITECT.COM
FAX (360)-642-8636



A NEW OFFICE AND FACILITIES BUILDING FOR:
NORTH BEACH WATER DISTRICT
2212 272ND STREET
OCEAN PARK, WASHINGTON 98640



GENERAL

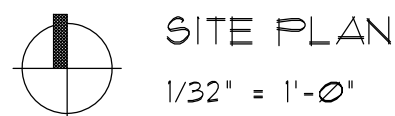
1. Zoning: RR - RURAL RESIDENTIAL
2. Shorelines Designation: N/A
3. Construction Type: V-B
4. Occupancy: B - BUSINESS (OFFICE) S-1 - MODERATE-HAZARD STORAGE (GARAGE)
5. These notes are general in nature and are intended to set minimum standards for construction. The drawings shall govern over the general notes to the extent shown.
6. The contractor shall verify all dimensions and conditions on different drawings and in the field and notify the architect of any discrepancies before proceeding.
7. The owner will provide all permits as required for construction.

CODES AND STANDARDS

1. All work shall be in strict compliance with the current editions of the following codes:
 - a. Applicable Washington State and Pacific County Codes.
 - b. The International Residential Code 2012
 - c. The International Building Code 2012
2. All work shall be performed in compliance with the following standards:
 - a. ACI, AISI.
 - b. Other standards as applicable.

DIMENSIONS

1. All dimensions are to face of concrete and framing or center line of framing/beams unless indicated. Verify questioned dimensions with architect.
2. Do not scale drawings.



SITE PLAN

1/32" = 1'-0"

LEGAL DESCRIPTION

LOTS 5, 6, & 7 OF SAILFISH TRACTS
LOCATED IN OCEAN PARK, WA

SHEET INDEX

COVER

1. SITE PLAN / GENERAL NOTES
- C1. SITE GRADING PLAN
- C2. SIDEWALK DETAILS
- S0. STRUCTURAL - GENERAL NOTES
- S1. STRUCTURAL - OFFICE FOUNDATION
- S2. STRUCTURAL - OFFICE ROOF FRAMING
- S3. STRUCTURAL - GARAGE FOUNDATION
- S4. STRUCTURAL - GARAGE ROOF FRAMING
- S5. STRUCTURAL - DETAILS
- S6. STRUCTURAL - DETAILS
- S7. STRUCTURAL - DETAILS
2. CONCRETE PLAN
3. OFFICE FLOOR PLAN
4. GARAGE FLOOR PLAN
5. BUILDING SECTIONS
6. BUILDING SECTIONS

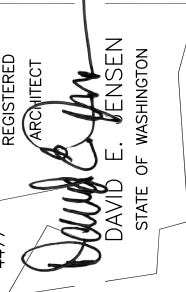
7. EXTERIOR ELEVATIONS - NORTH
8. EXTERIOR ELEVATIONS - SOUTH
9. EXTERIOR ELEVATIONS - EAST & WEST
10. EXTERIOR DETAILS
11. INTERIOR ELEVATIONS - 1 THROUGH 16
12. INTERIOR ELEVATIONS - 17 THROUGH 29
13. INTERIOR ELEVATIONS - 30 THROUGH 37
14. INTERIOR ELEVATIONS - 38 THROUGH 49
15. INTERIOR ELEVATIONS - 50 THROUGH 61
16. INTERIOR ELEVATIONS - 62 THROUGH 63
17. INTERIOR ELEVATIONS - 64 THROUGH 65
18. INTERIOR ELEVATIONS - 66 THROUGH 76
19. INTERIOR DETAILS
20. SCHEDULES AND FINISHES
21. REFLECTED OFFICE CEILING

- E1. ELECTRICAL SITE PLAN
- E2. OFFICE LIGHTING PLAN
- E3. GARAGE LIGHTING PLAN
- E4. MEZZANINE LIGHTING PLAN
- E5. OFFICE POWER PLAN
- E6. GARAGE LIGHTING PLAN
- E7. MEZZANINE POWER PLAN
- E8. ONE LINE DIAGRAM AND PANEL SCHEDULES
- P01. PLUMBING FIXTURE SCHEDULE AND DETAILS
- P21. PLUMBING FLOOR PLANS
- M01. MECHANICAL FIXTURE SCHEDULE AND DETAILS
- M21. HVAC FLOOR PLAN
- M22. HVAC SECTION AND DETAILS

A NEW OFFICE AND FACILITIES BUILDING FOR:

NORTH BEACH WATER DISTRICT

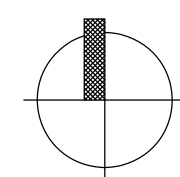
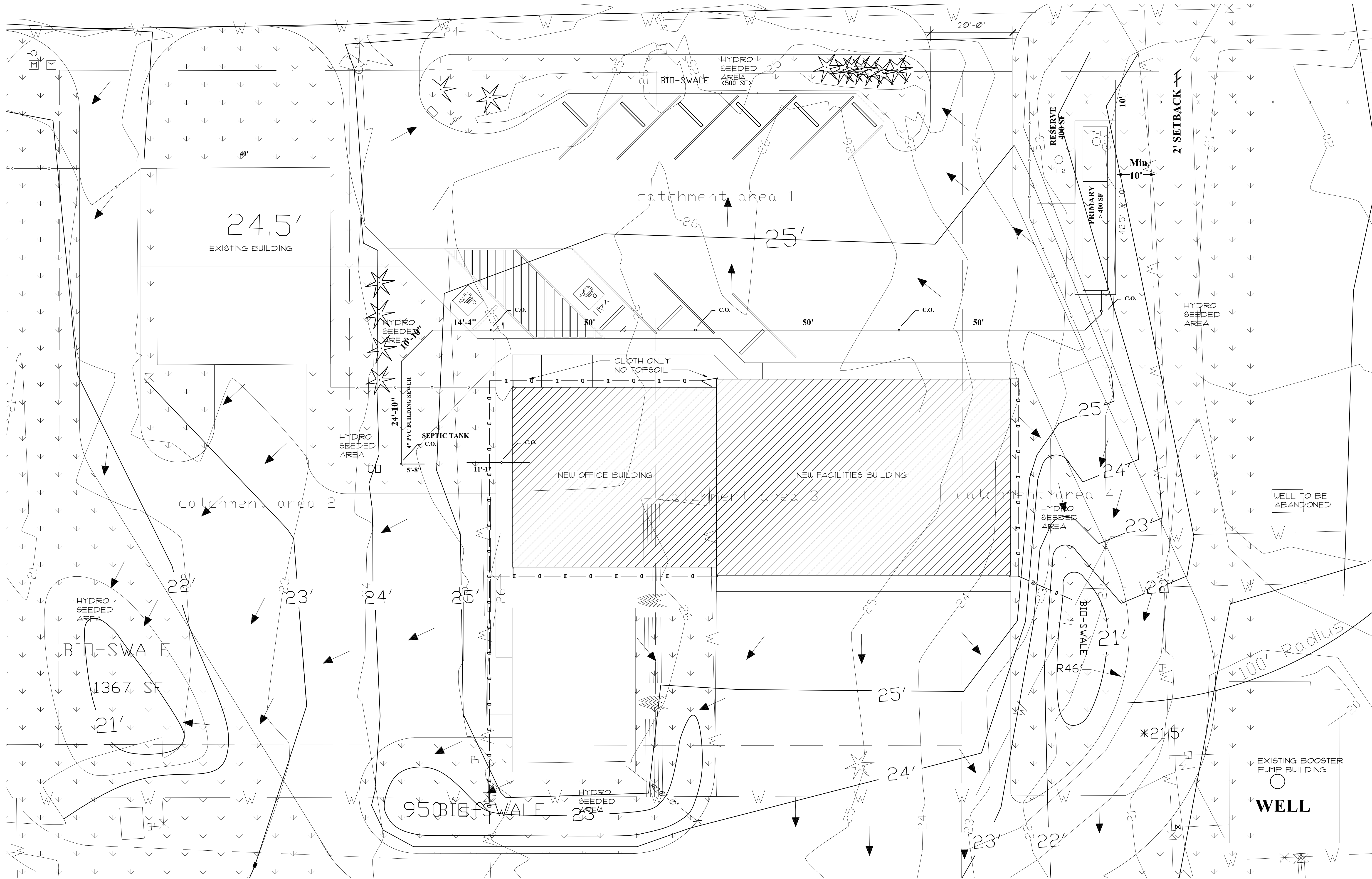
2212 272ND STREET
OCEAN PARK, WASHINGTON 98640



DAVID E. JENSEN, ARCHITECT
POST OFFICE BOX 6
LONG BEACH, WA 98631
(360)-642-3507
WWW.DAVIDJENSENARCHITECT.COM

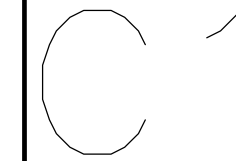


06/01/15 BID / CONSTRUCTION SET
05/21/15 PERMIT SET
06/01/15 PLOT DATE

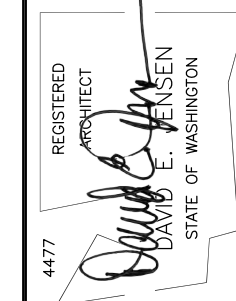


GRADING PLAN

3/32" = 1'-0"



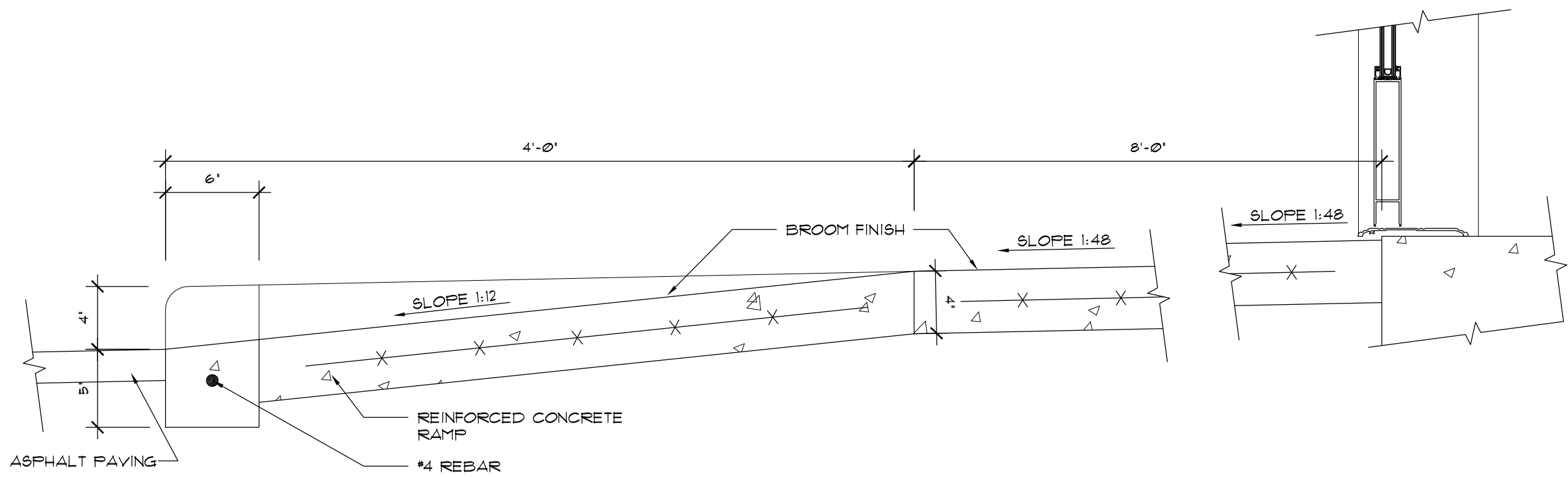
A NEW OFFICE AND FACILITIES BUILDING FOR:
NORTH BEACH WATER DISTRICT
2212 272ND STREET
OCEAN PARK, WASHINGTON 98640



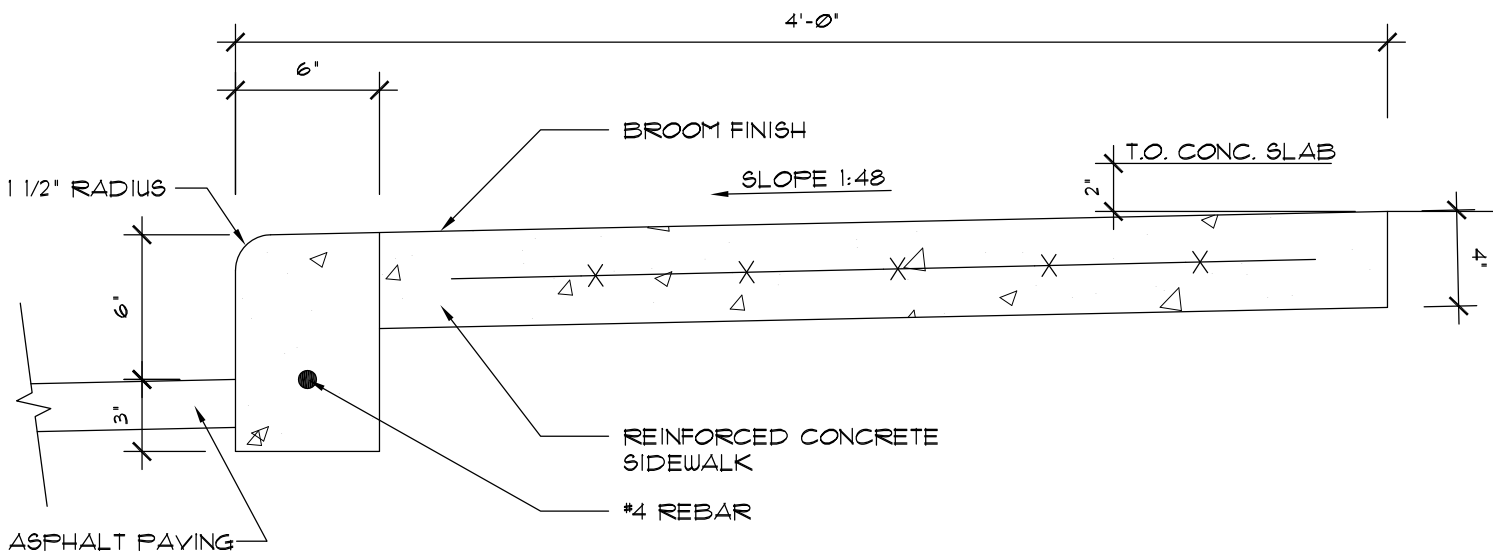
DAVID E. JENSEN, ARCHITECT
POST OFFICE BOX 6
LONG BEACH, WA 98631
WWW.DAVIDJENSENARCHITECT.COM
(360)-642-3507



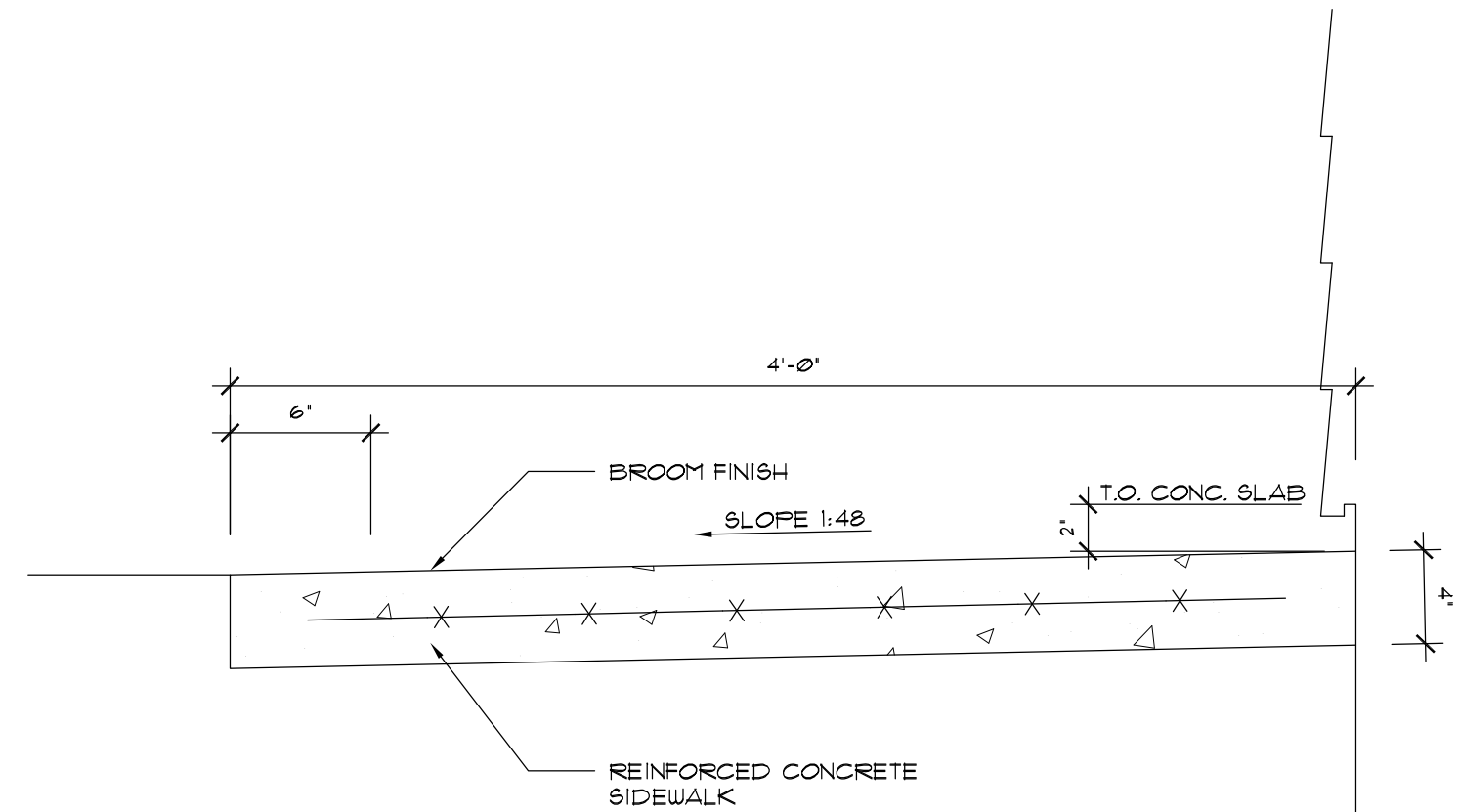
06/01/15	BID / CONSTRUCTION SET
05/21/15	PERMIT SET
06/01/15	PLOT DATE



③ ENTRY RAMP
1 1/2' = 1'-0"



② SIDEWALK
1 1/2' = 1'-0"



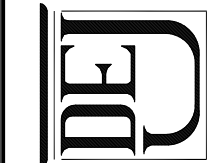
① SIDEWALK
1 1/2' = 1'-0"

A NEW OFFICE AND FACILITIES BUILDING FOR:
NORTH BEACH WATER DISTRICT
2212 272ND STREET
OCEAN PARK, WASHINGTON 98640

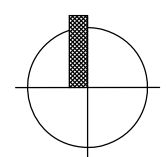
C2

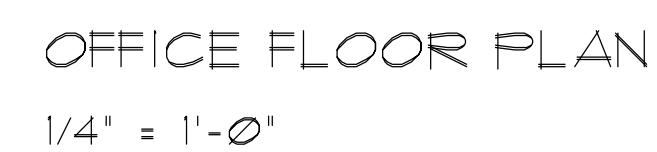
REGISTERED
ARCHITECT
DAVID E. JENSEN
STATE OF WASHINGTON
4477

DAVID E. JENSEN, ARCHITECT
POST OFFICE BOX 6
LONG BEACH, WA 98631
(360)-642-3507
103 PACIFIC AVENUE SOUTH
WWW.DAVIDJENSENARCHITECT.COM
FAX (360)-642-8636

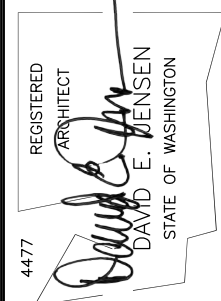


06/01/15	BID / CONSTRUCTION SET
05/21/15	PERMIT SET
06/01/15	PLOT DATE

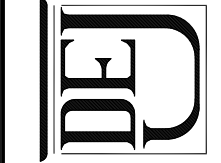

$$1/8'' = 1'-0''$$



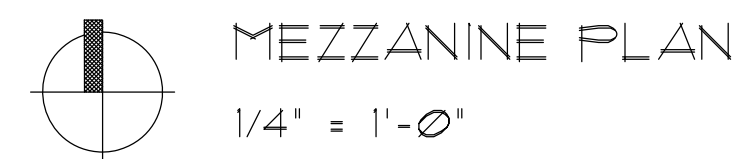
A NEW OFFICE AND FACILITIES BUILDING FOR:
NORTH BEACH WATER DISTRICT
2212 272ND STREET
OCEAN PARK, WASHINGTON 98640

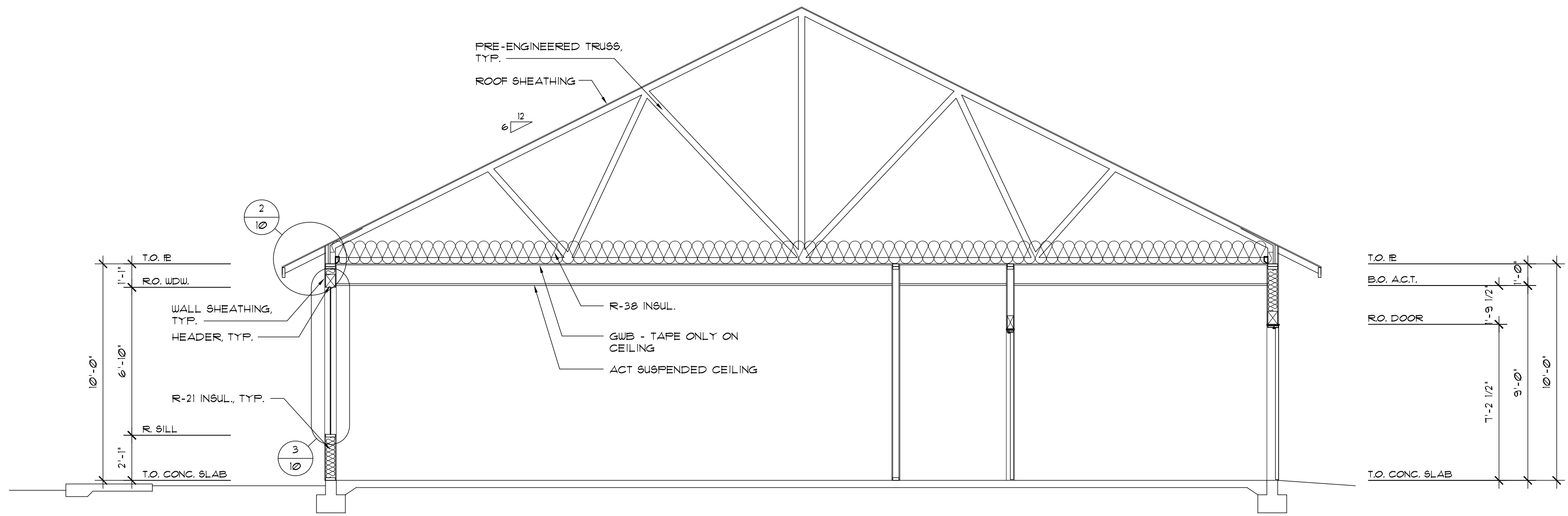


DAVID E. JENSEN, ARCHITECT
POST OFFICE BOX 6
LONG BEACH, WA 98631
(360)-642-3507
103 PACIFIC AVENUE SOUTH
WWW.DAVIDEJENSENARCHITECT.COM
FAX (360)-642-8636

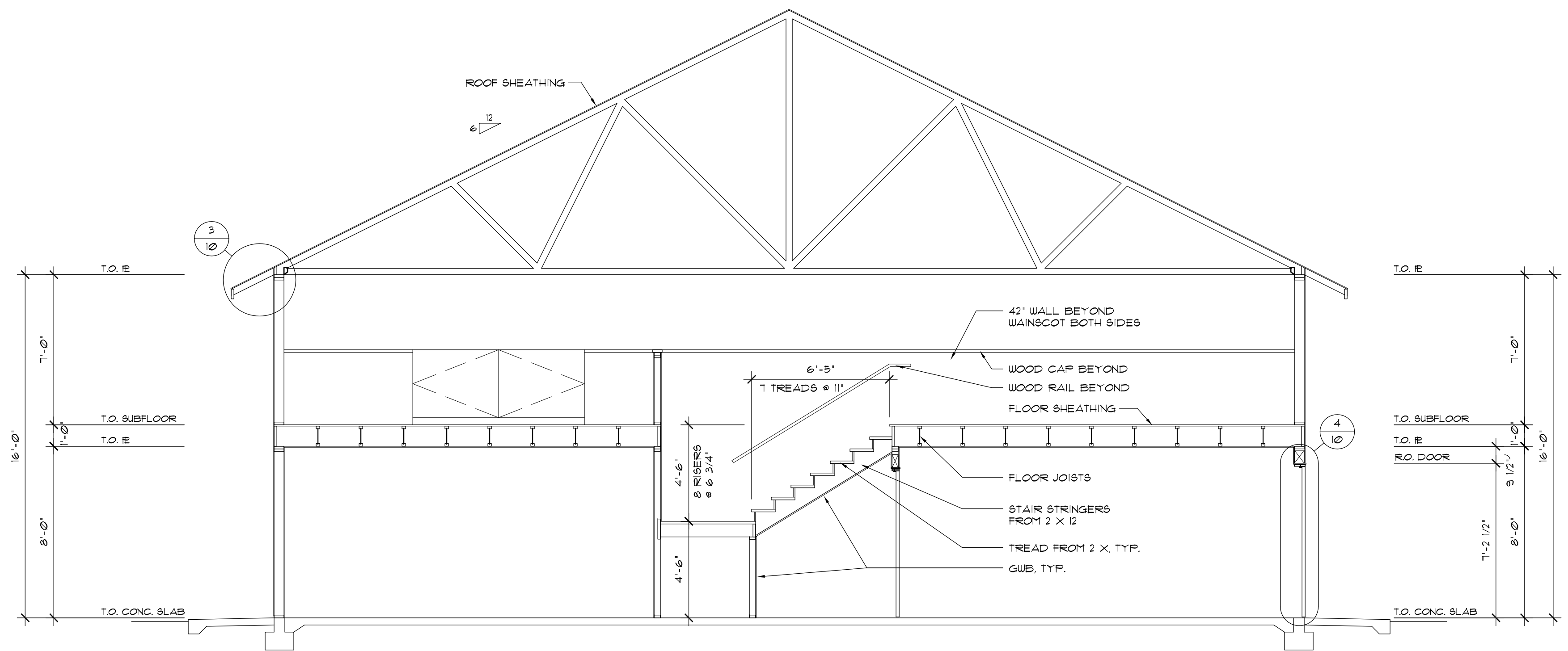


06/01/15	BID / CONSTRUCTION SET
05/21/15	PERMIT SET
06/01/15	PLOT DATE

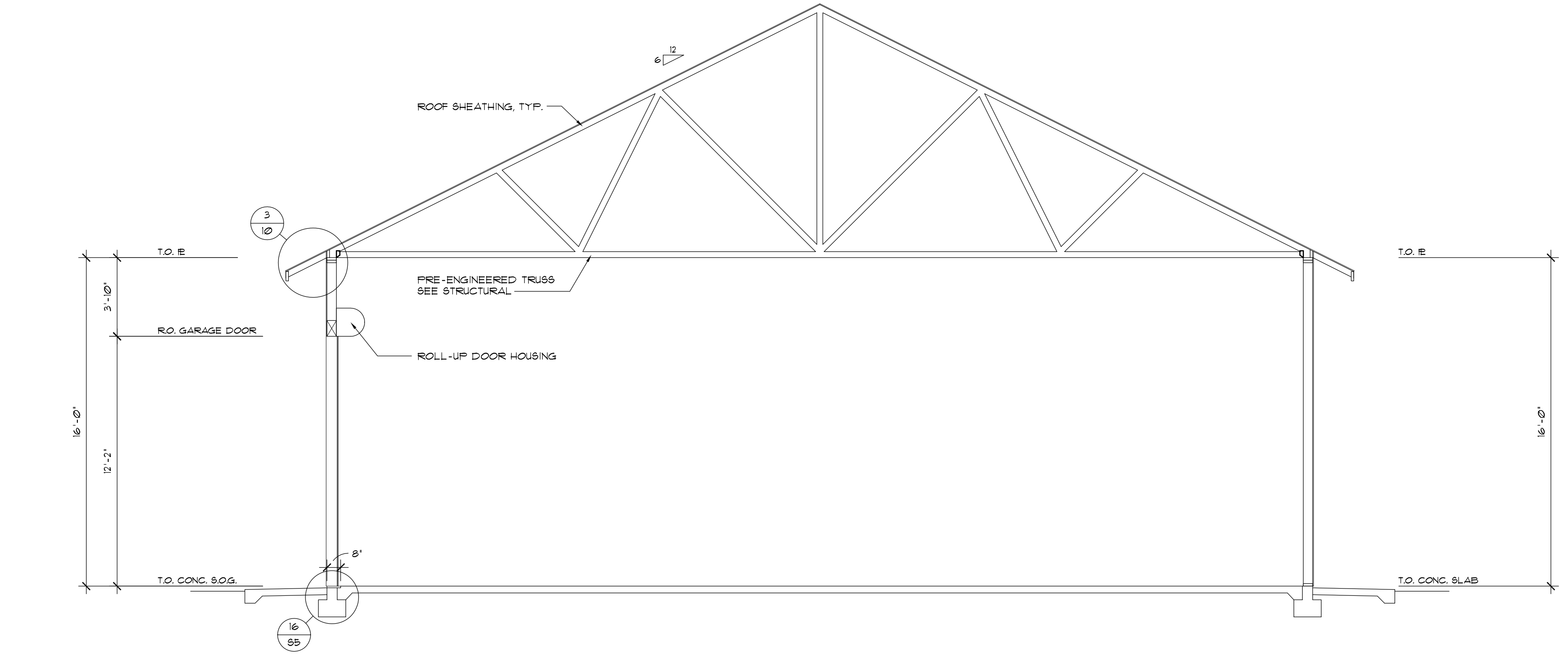




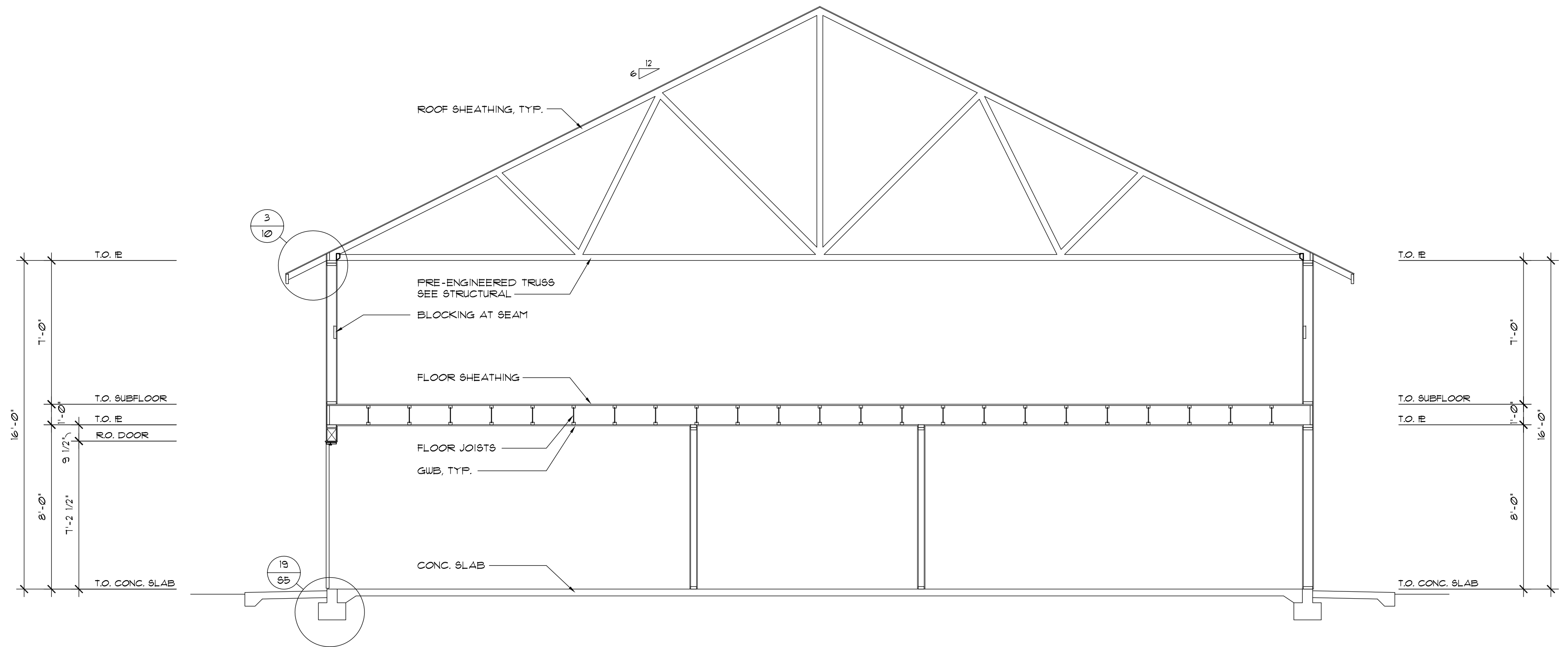
SECTION A-A
1/4" = 1'-0"



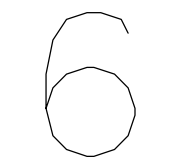
SECTION B-B
1/4" = 1'-0"



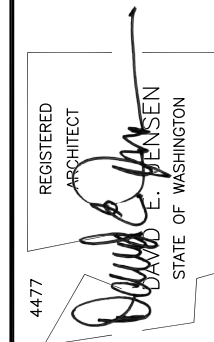
SECTION C-C
1/4" = 1'-0"



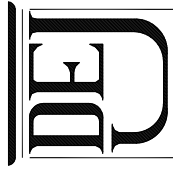
SECTION D-D
1/4" = 1'-0"



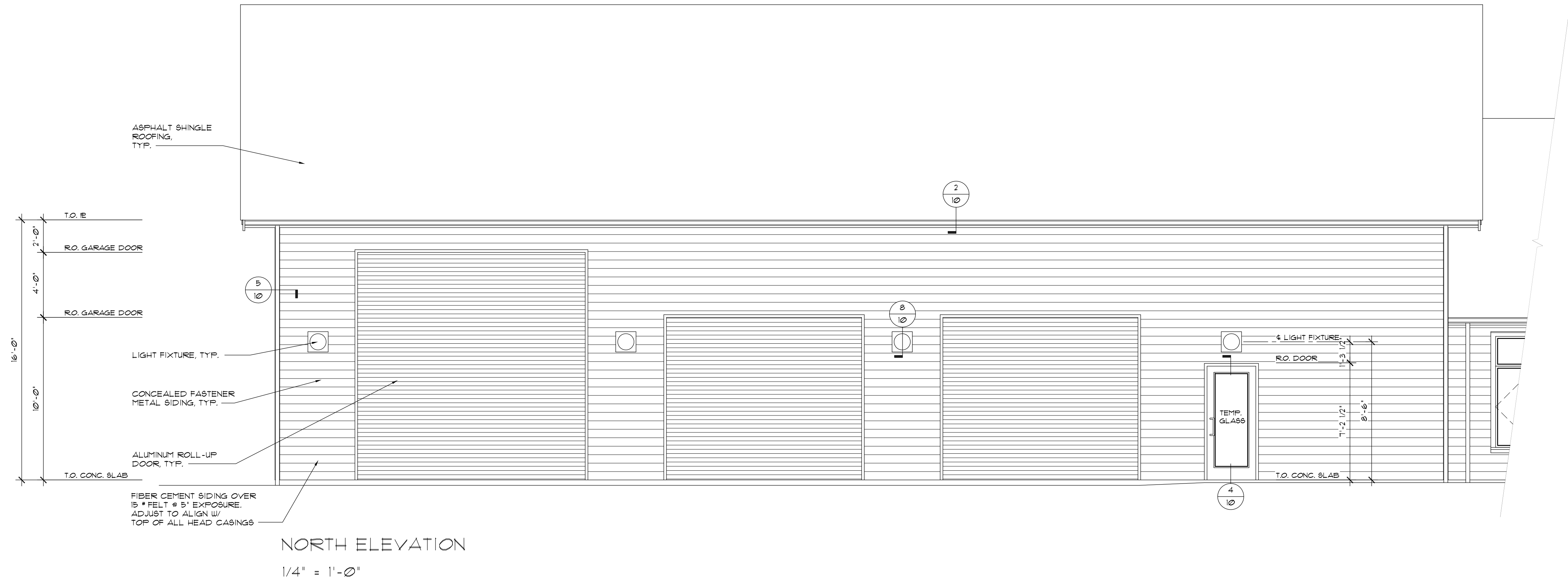
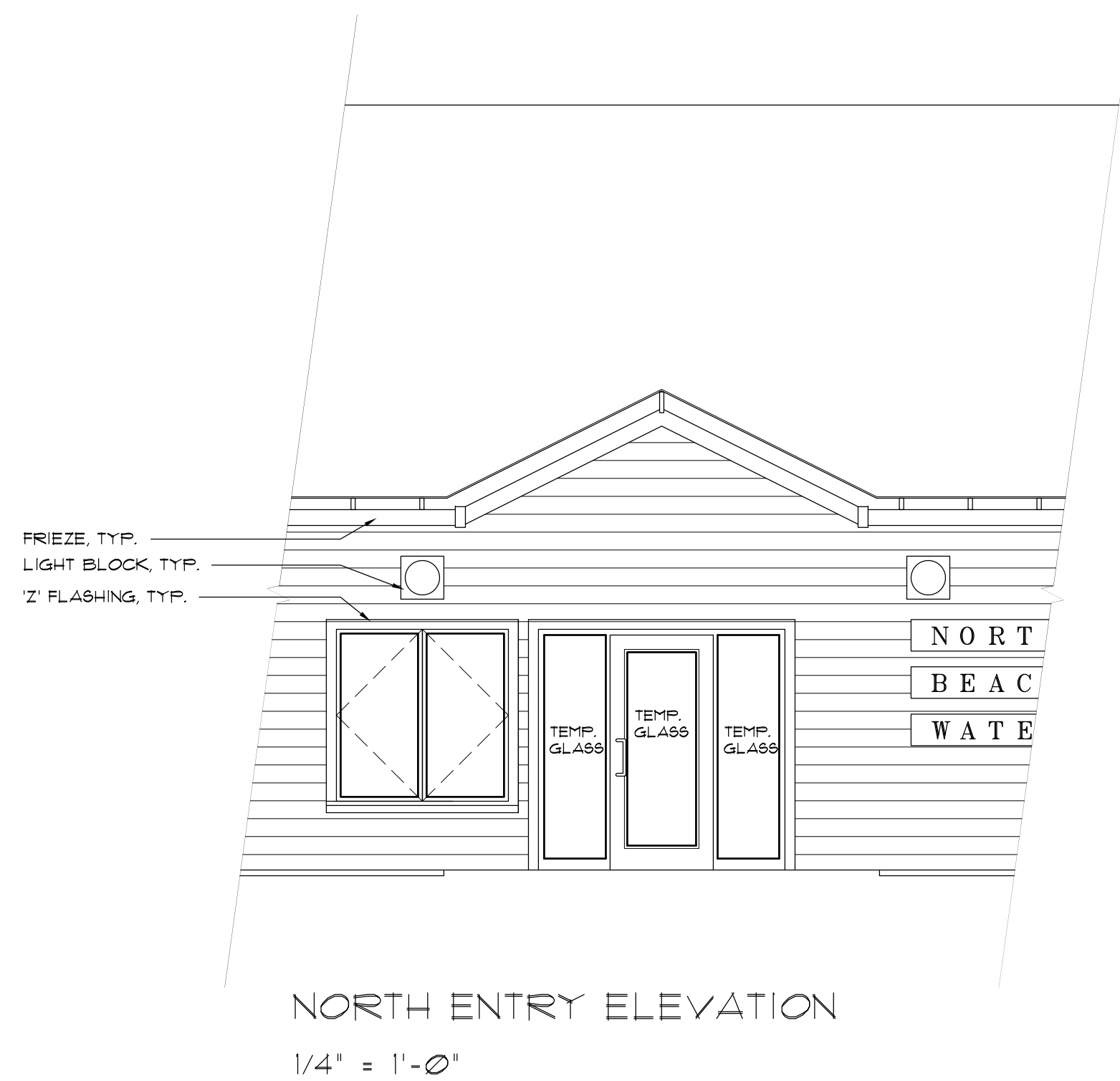
A NEW OFFICE AND FACILITIES BUILDING FOR:
NORTH BEACH WATER DISTRICT
2212 272ND STREET
OCEAN PARK, WASHINGTON 98640

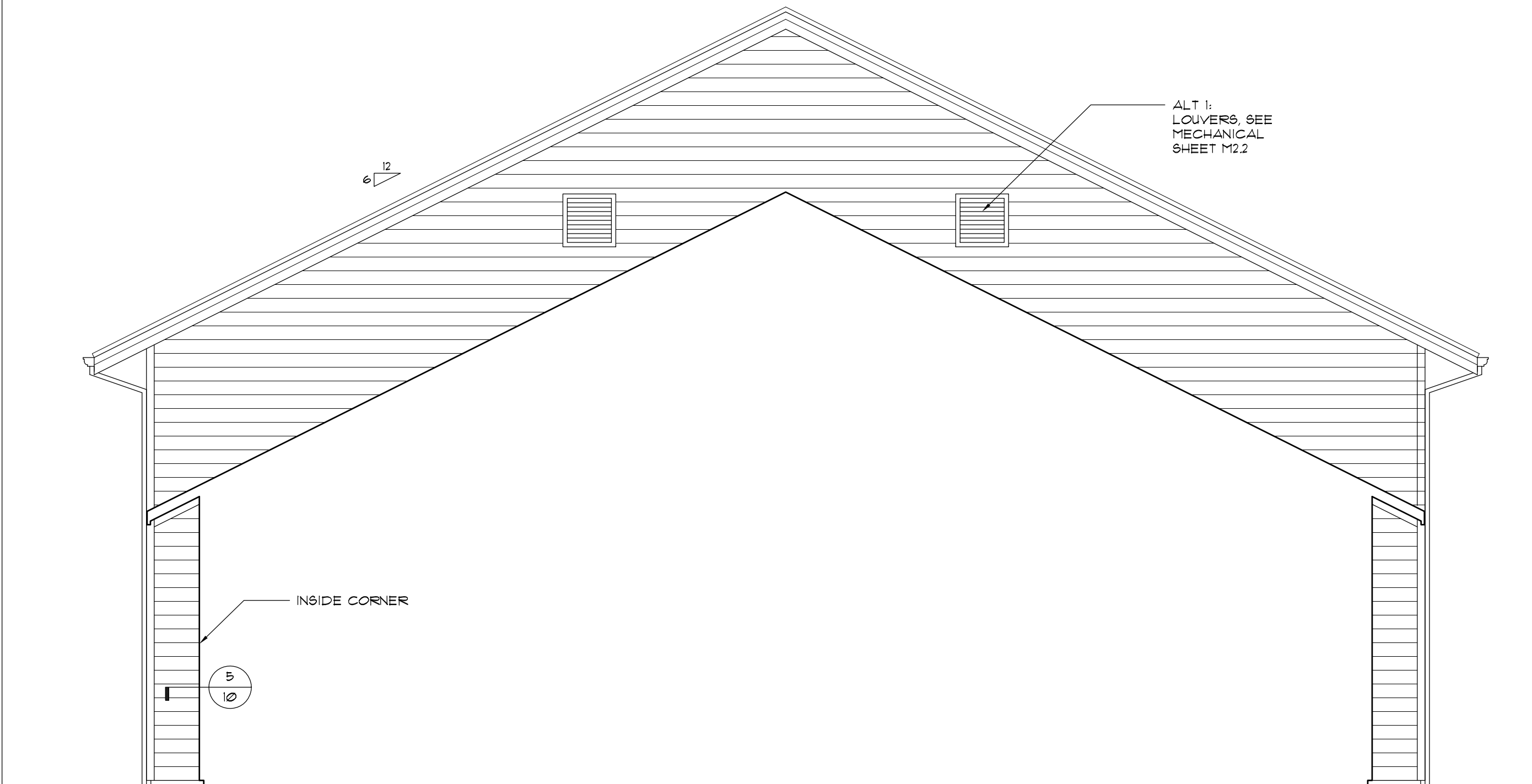


DAVID E. JENSEN, ARCHITECT
POST OFFICE BOX 6
LONG BEACH, WA 98631
(360)-642-3507
WWW.DAVIDJENSENARCHITECT.COM
FAX (360)-642-8636



06/01/15	BID / CONSTRUCTION SET
05/21/15	PERMIT SET
06/01/15	PLOT DATE





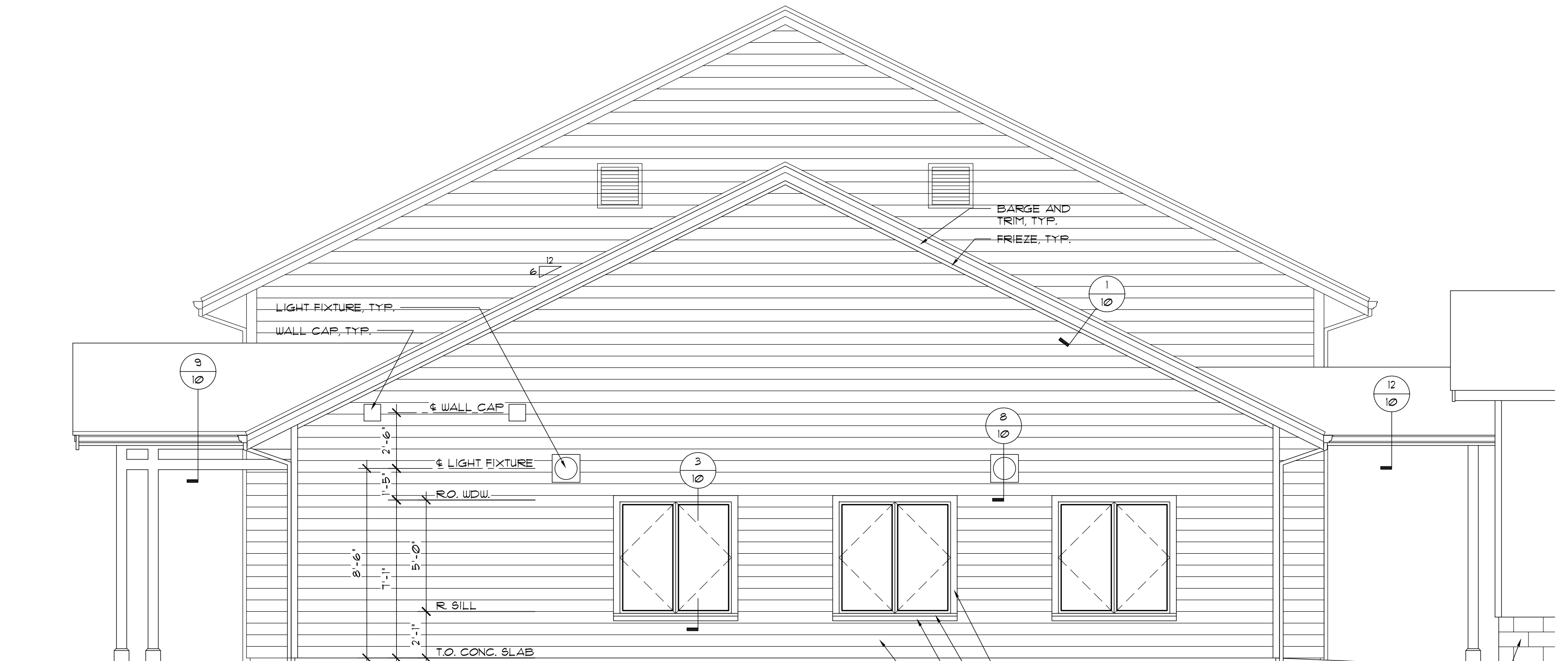
WEST ELEVATION

1/4" = 1'-0"



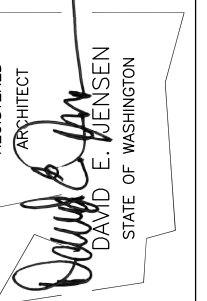
EAST ELEVATION

1/4" = 1'-0"



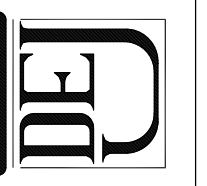
WEST ELEVATION

1/4" = 1'-0"

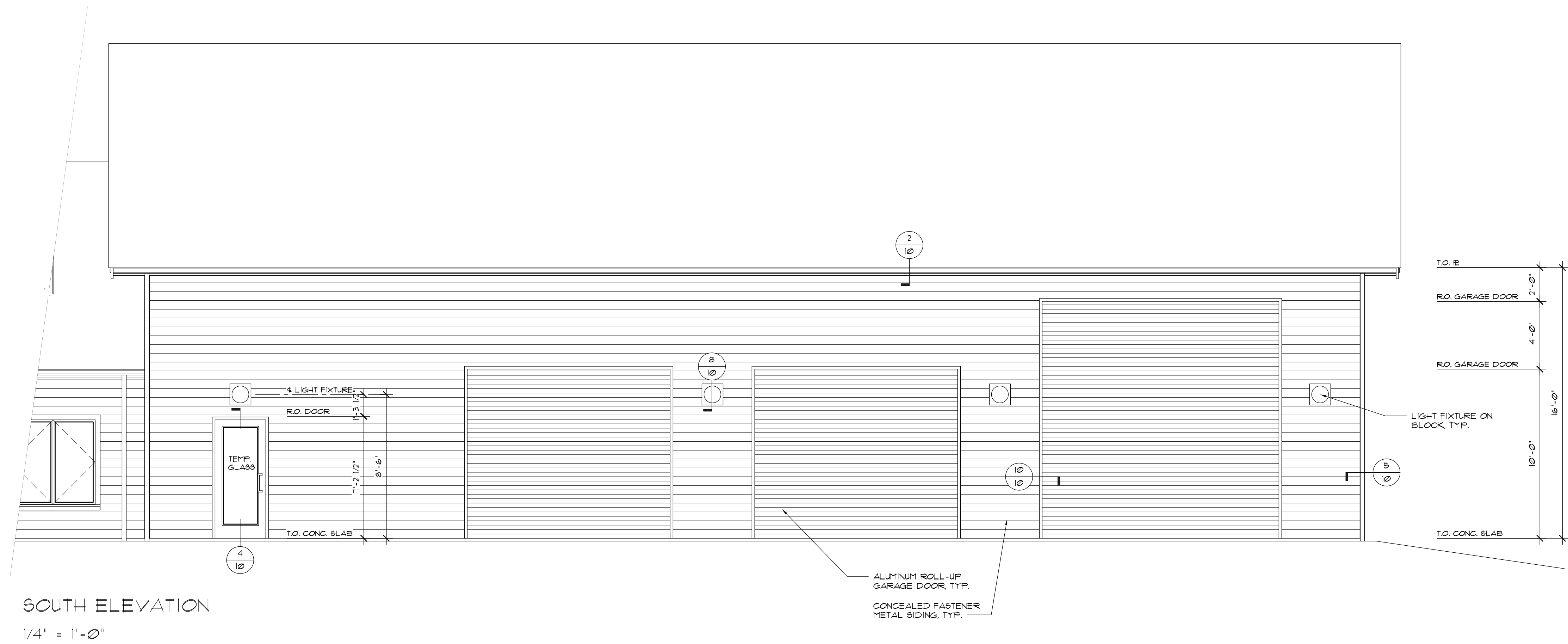


A NEW OFFICE AND FACILITIES BUILDING FOR:
NORTH BEACH WATER DISTRICT
2212 272ND STREET
OCEAN PARK, WASHINGTON 98640

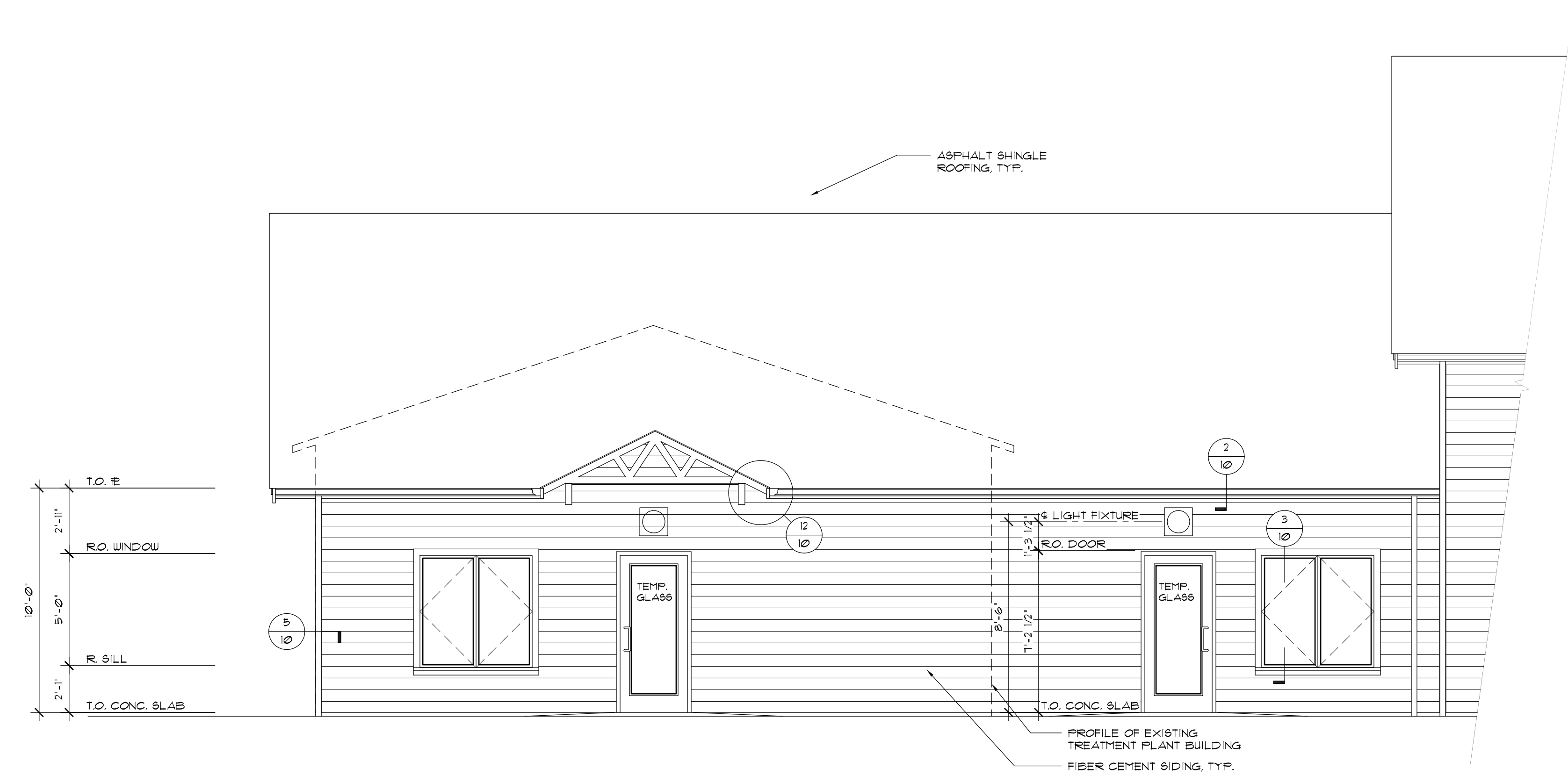
DAVID E. JENSEN, ARCHITECT
POST OFFICE BOX 6
LONG BEACH, WA 98631
(360)-642-3507
WWW.DAVIDJENSENARCHITECT.COM



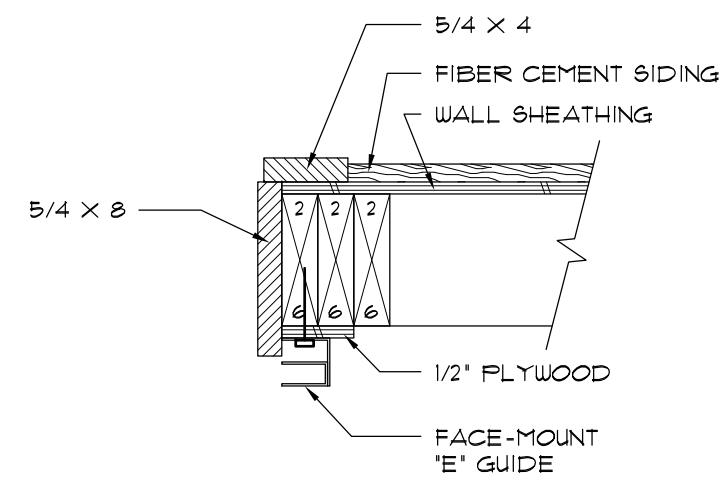
06/01/15	BID / CONSTRUCTION SET
05/21/15	PERMIT SET
06/01/15	PLOT DATE



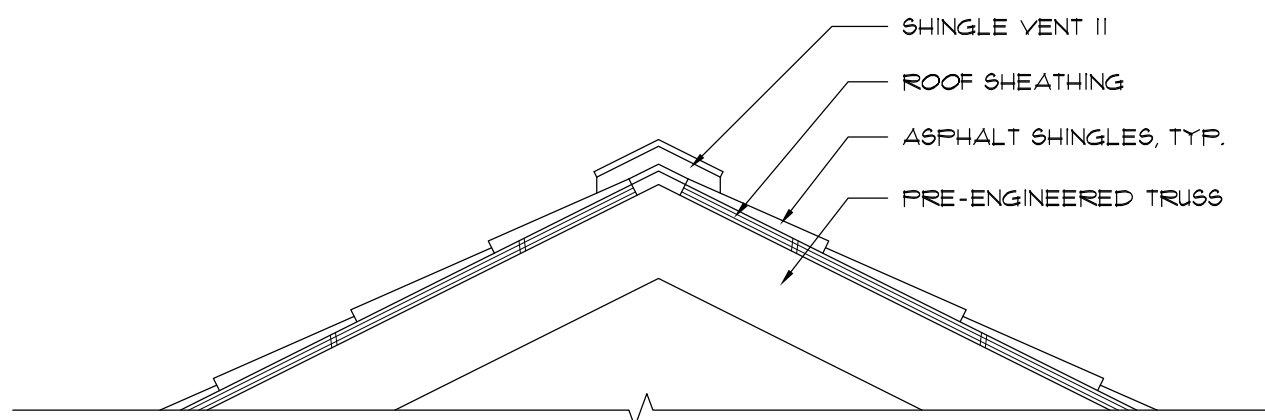
SOUTH ELEVATION
1/4" = 1'-0"



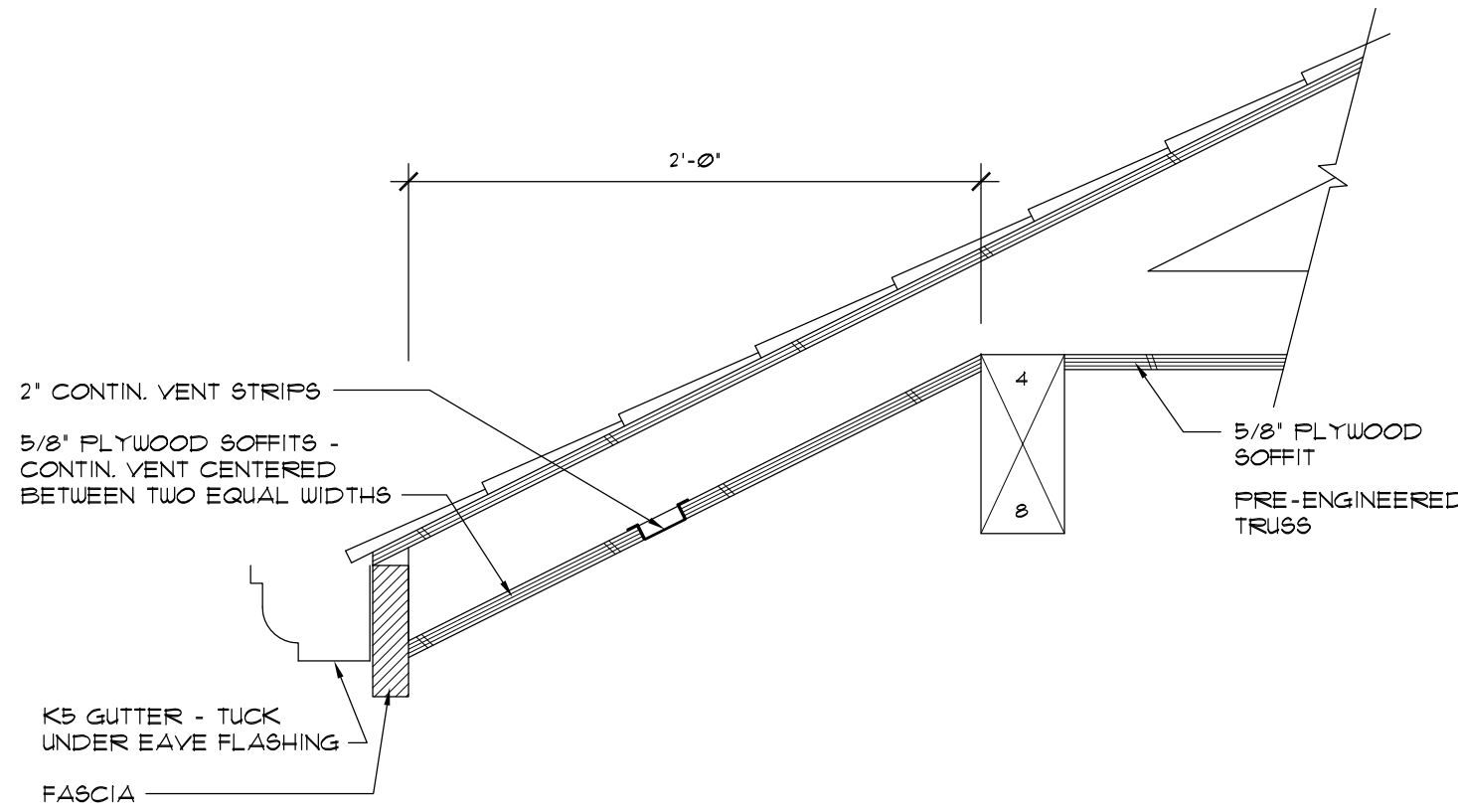
SOUTH ELEVATION
1/4" = 1'-0"



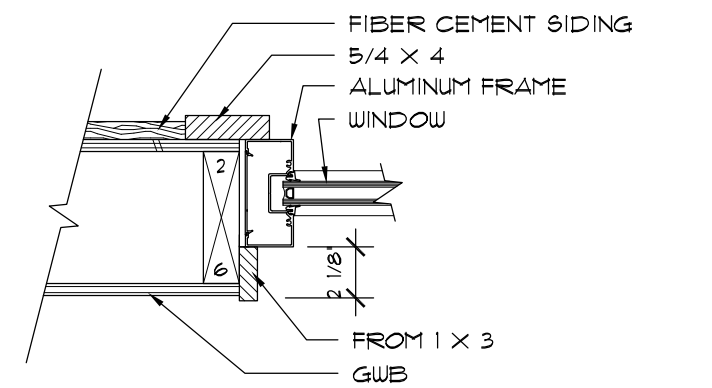
10 ROLL-UP DOOR JAMB
1 1/2' = 1'-0"



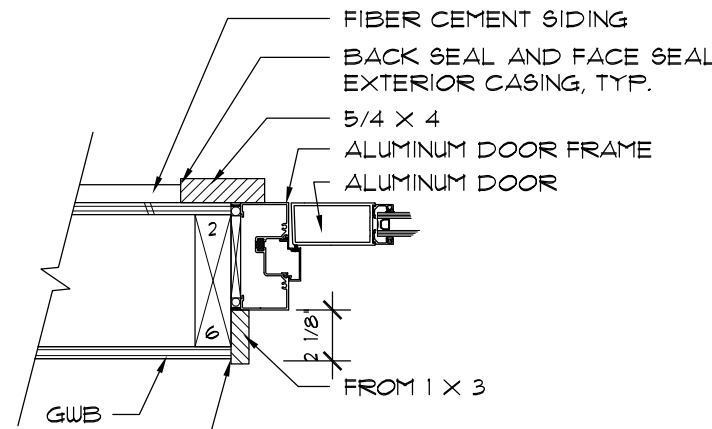
11 RIDGE VENT
1 1/2' = 1'-0"



12 EAVE @ ENTRY - SOUTH
1 1/2' = 1'-0"

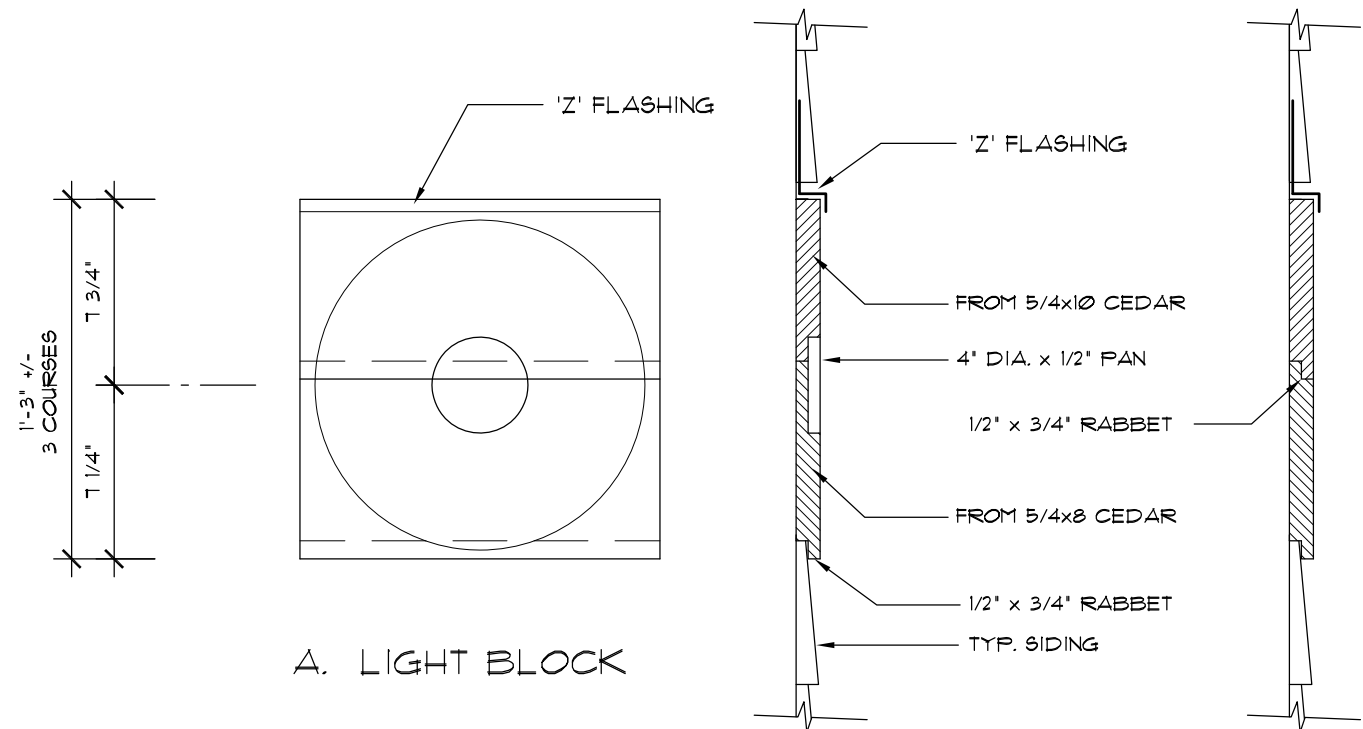


A. RELITE

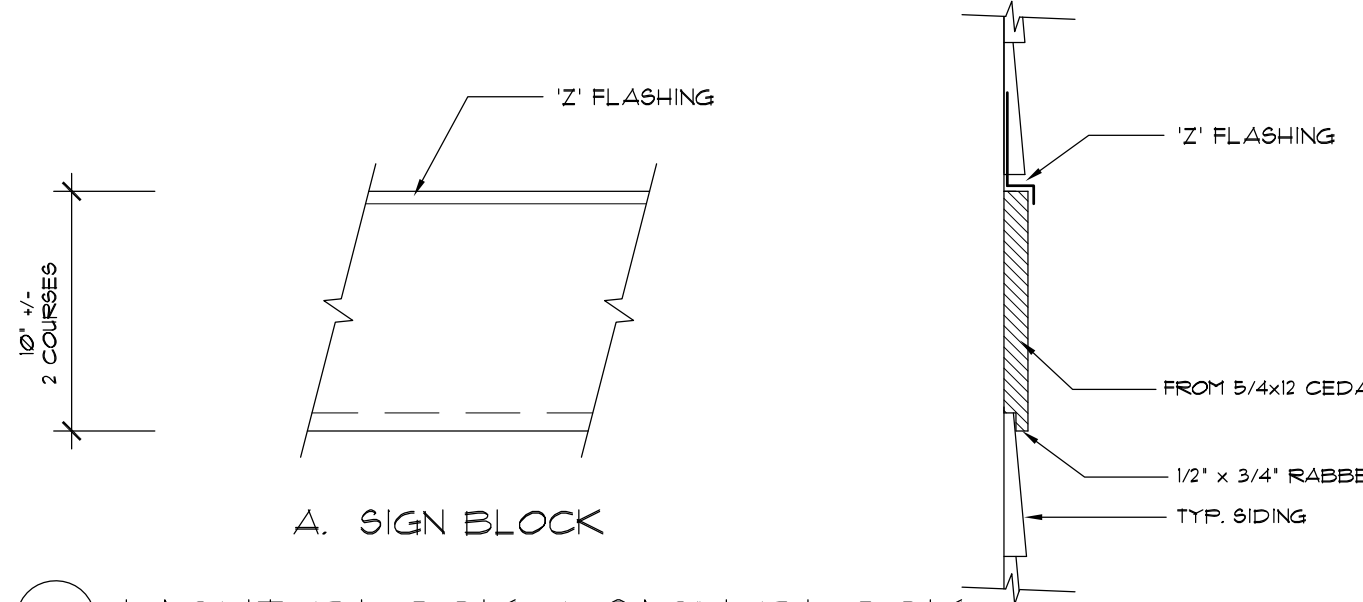


B. DOOR

7 ENTRY RELITE / ENTRY DOOR - HORIZONTAL
1 1/2' = 1'-0"

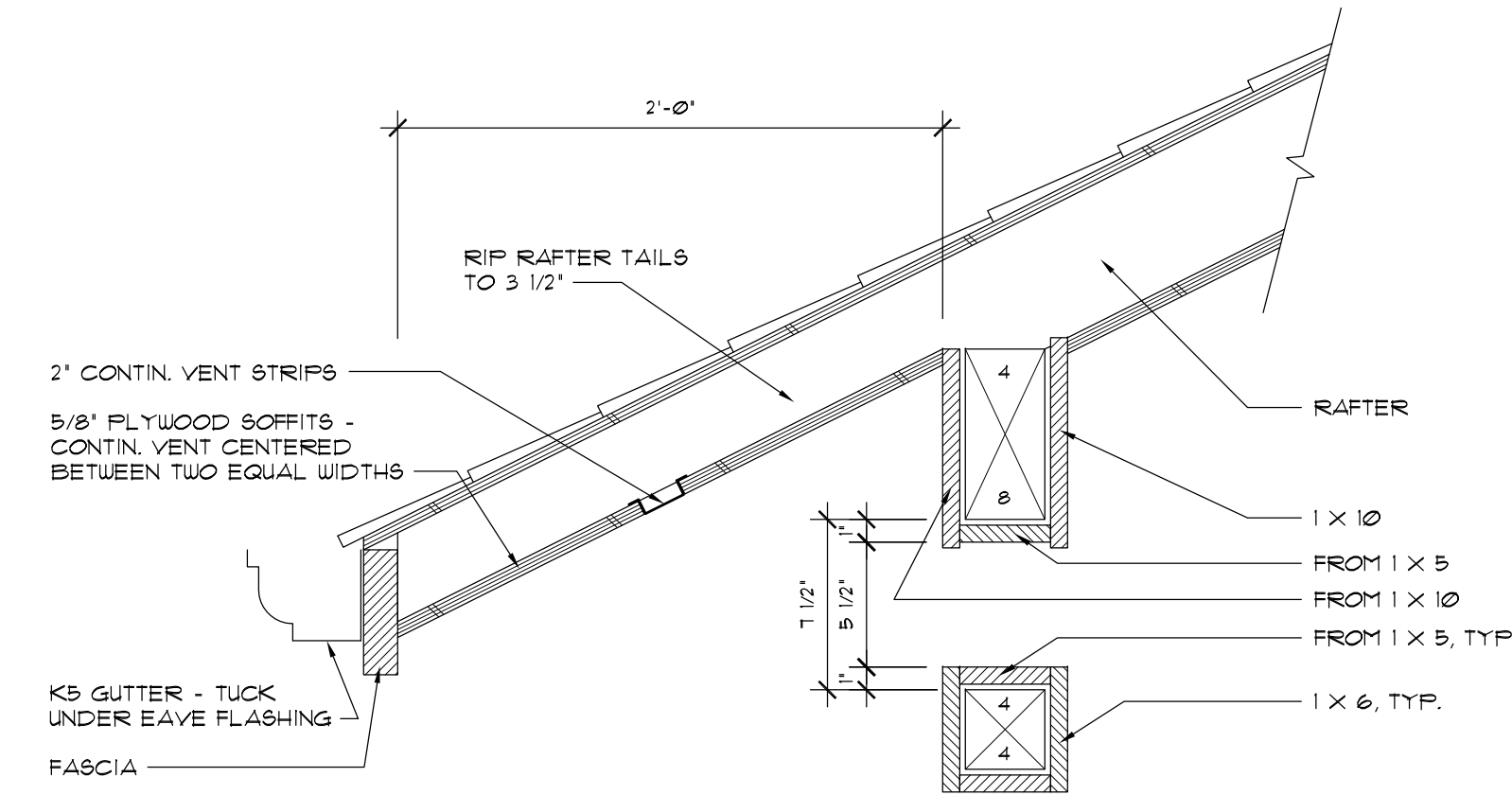


A. LIGHT BLOCK

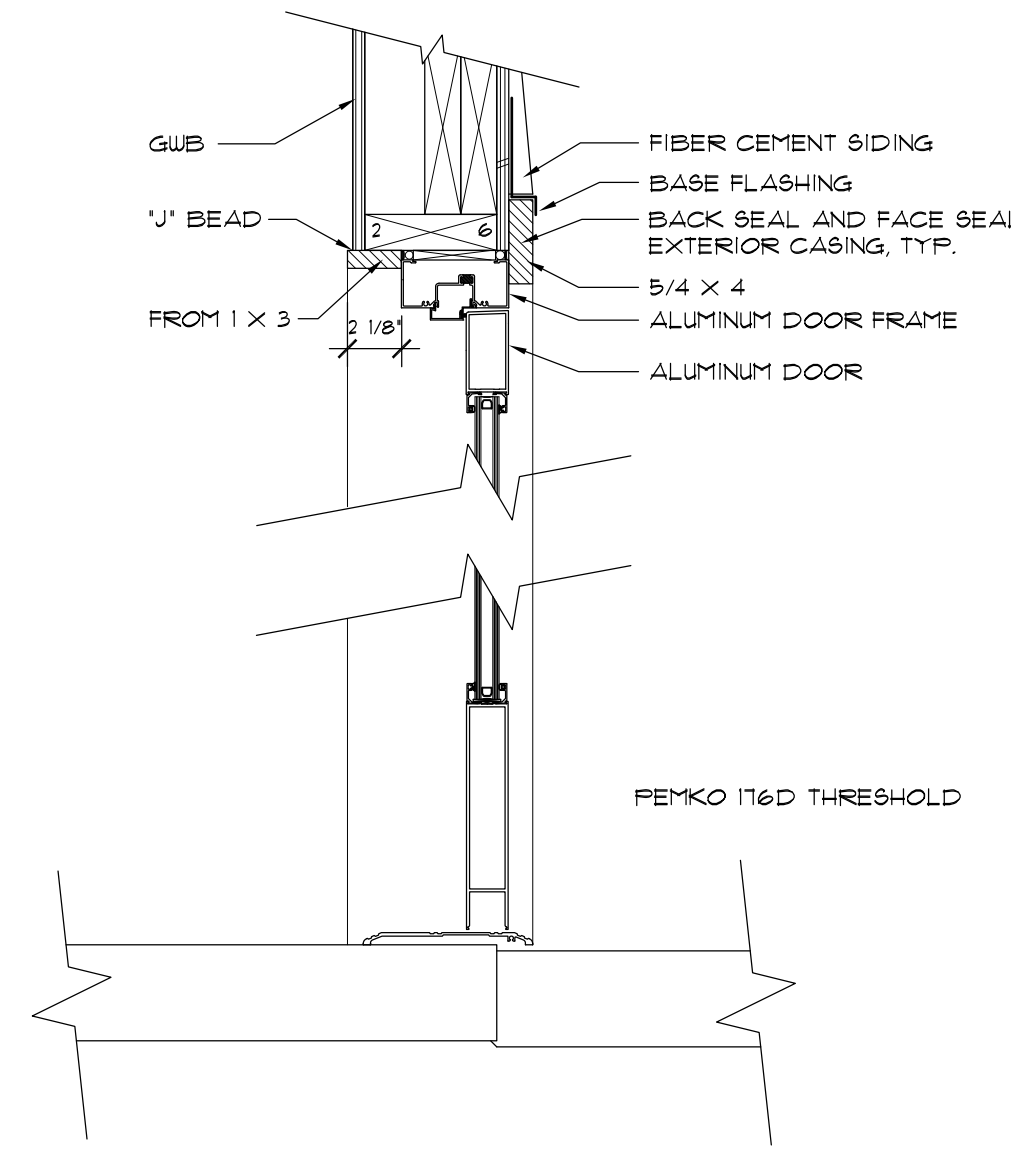


A. SIGN BLOCK

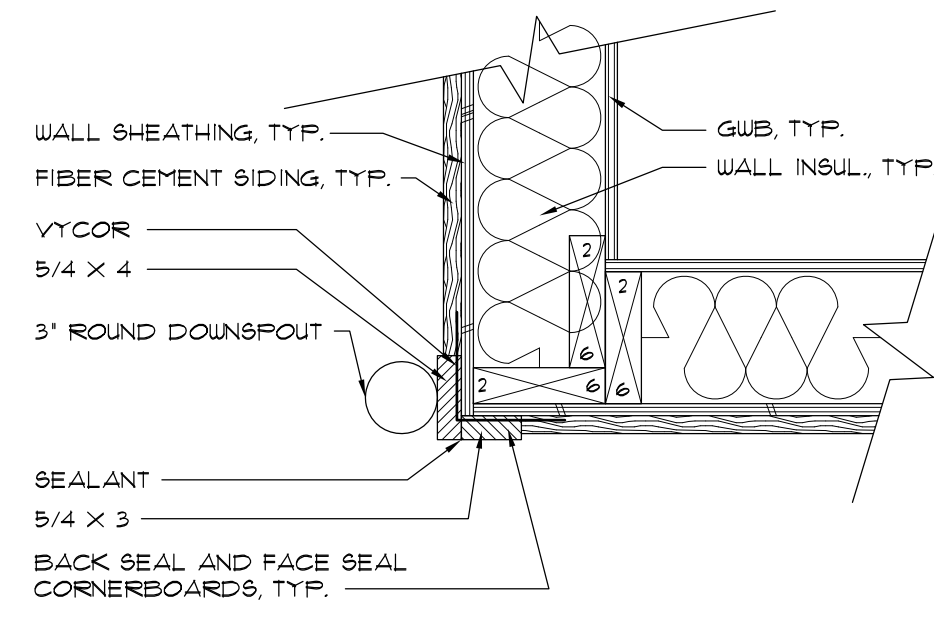
8 LIGHT BLOCK & SIGN BLOCK
1 1/2' = 1'-0"



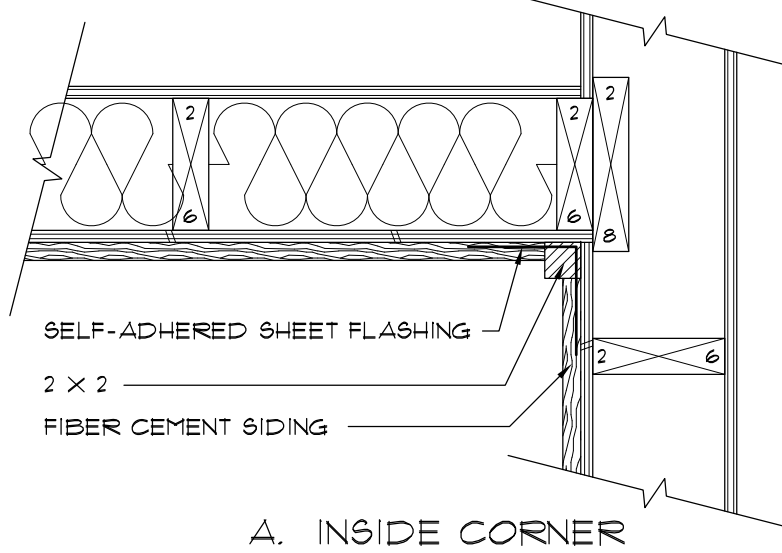
9 EAVE @ ENTRY - NORTH
1 1/2' = 1'-0"



4 ENTRY DOOR
1 1/2' = 1'-0"

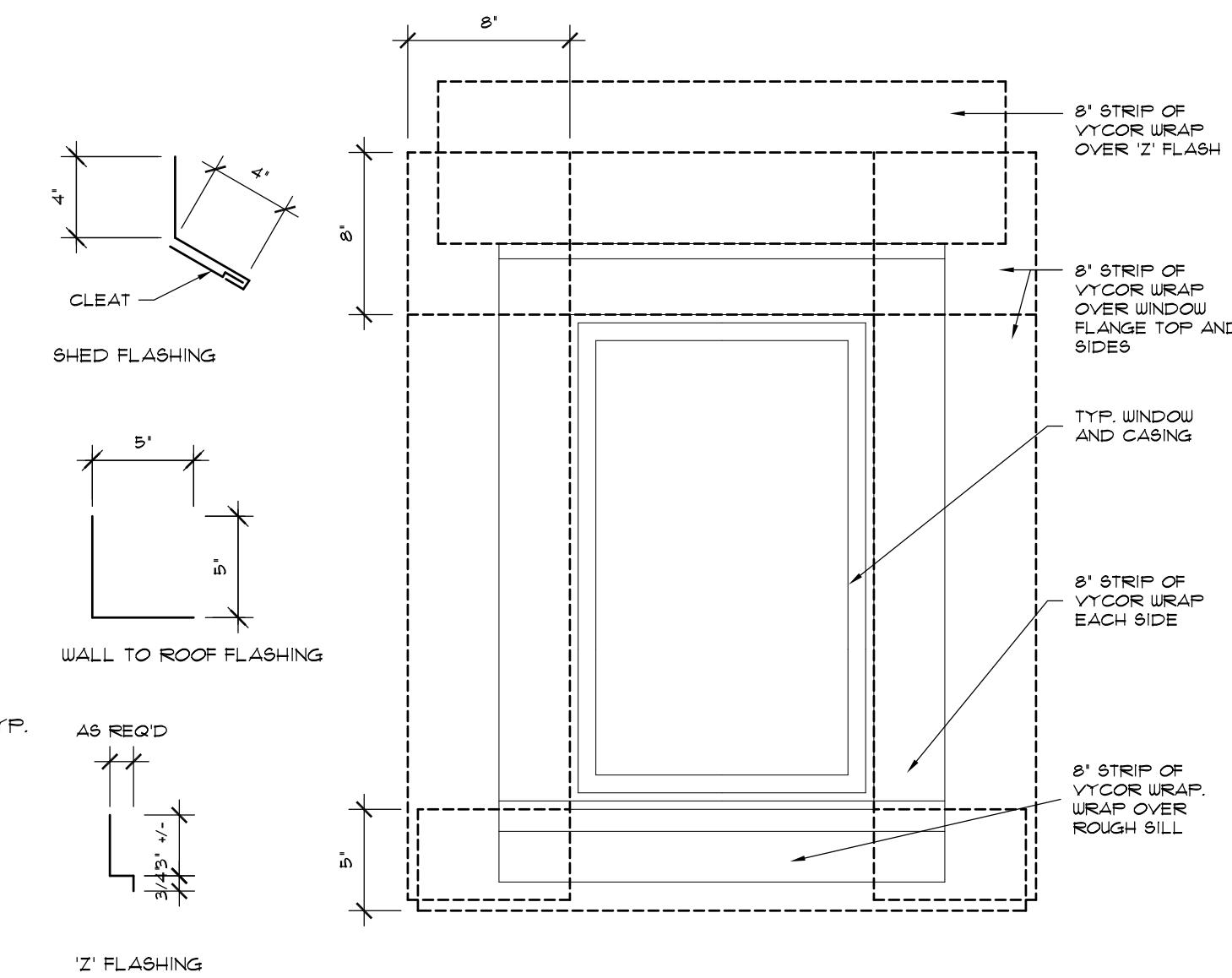


A. OUTSIDE CORNER



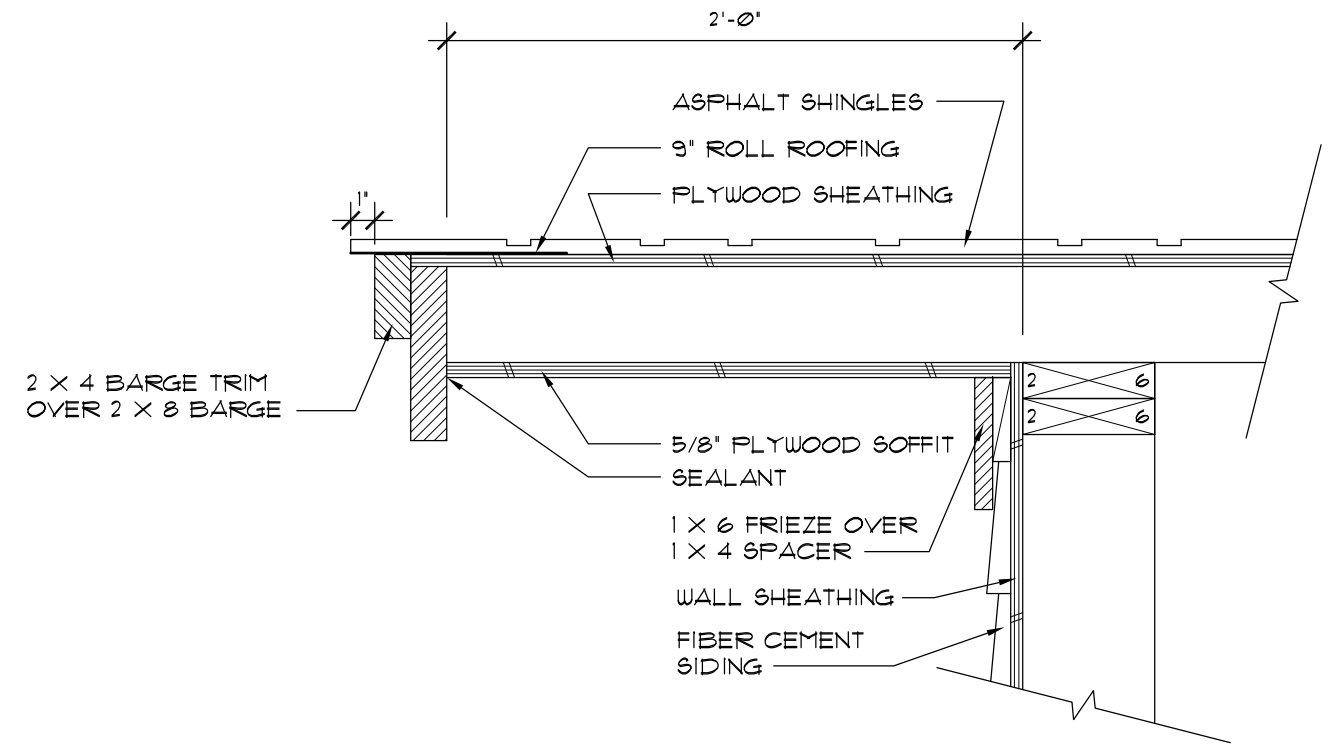
A. INSIDE CORNER

5 CORNERBOARDS
1 1/2' = 1'-0"

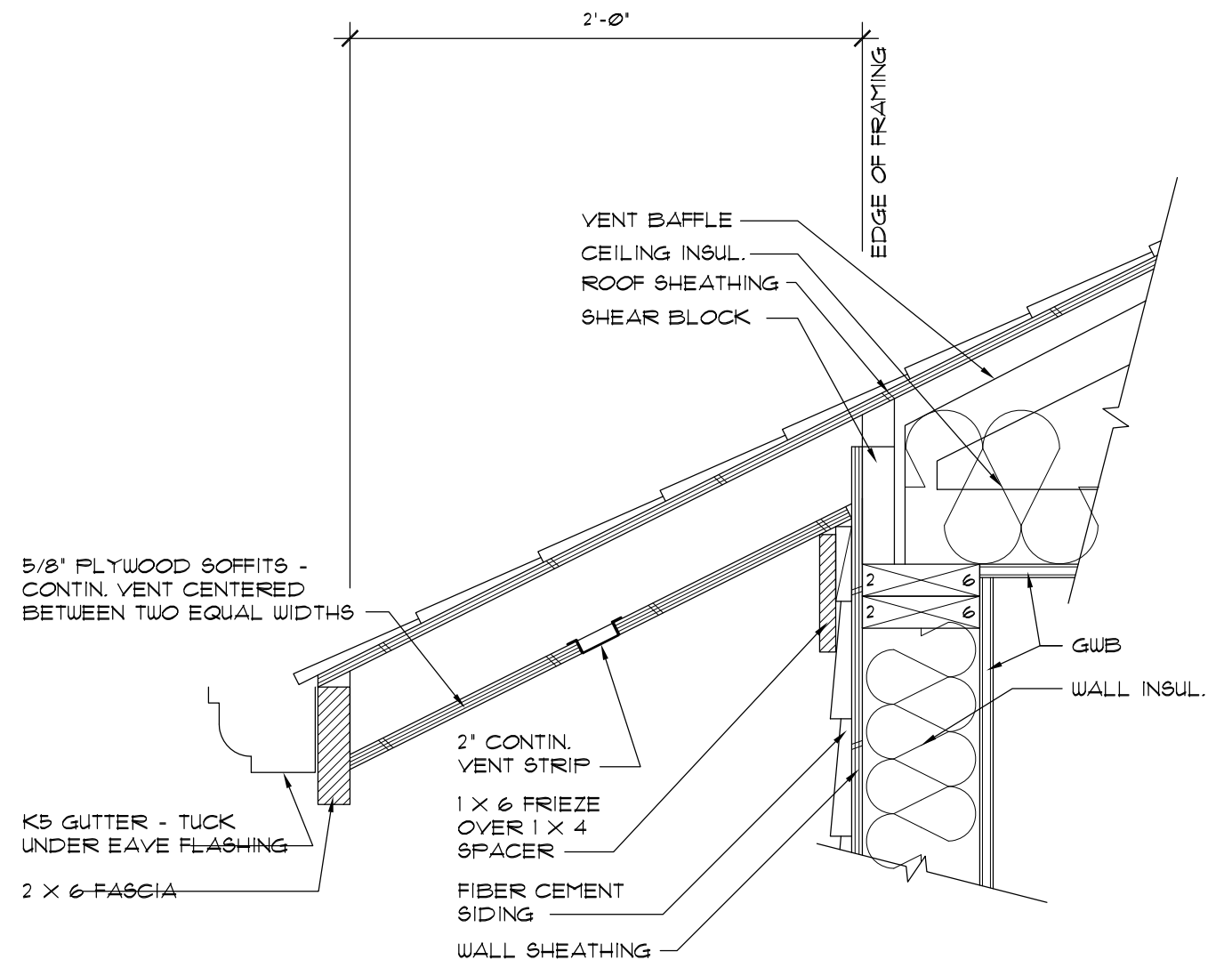


6 TYPICAL FLASHINGS
1 1/2' = 1'-0"

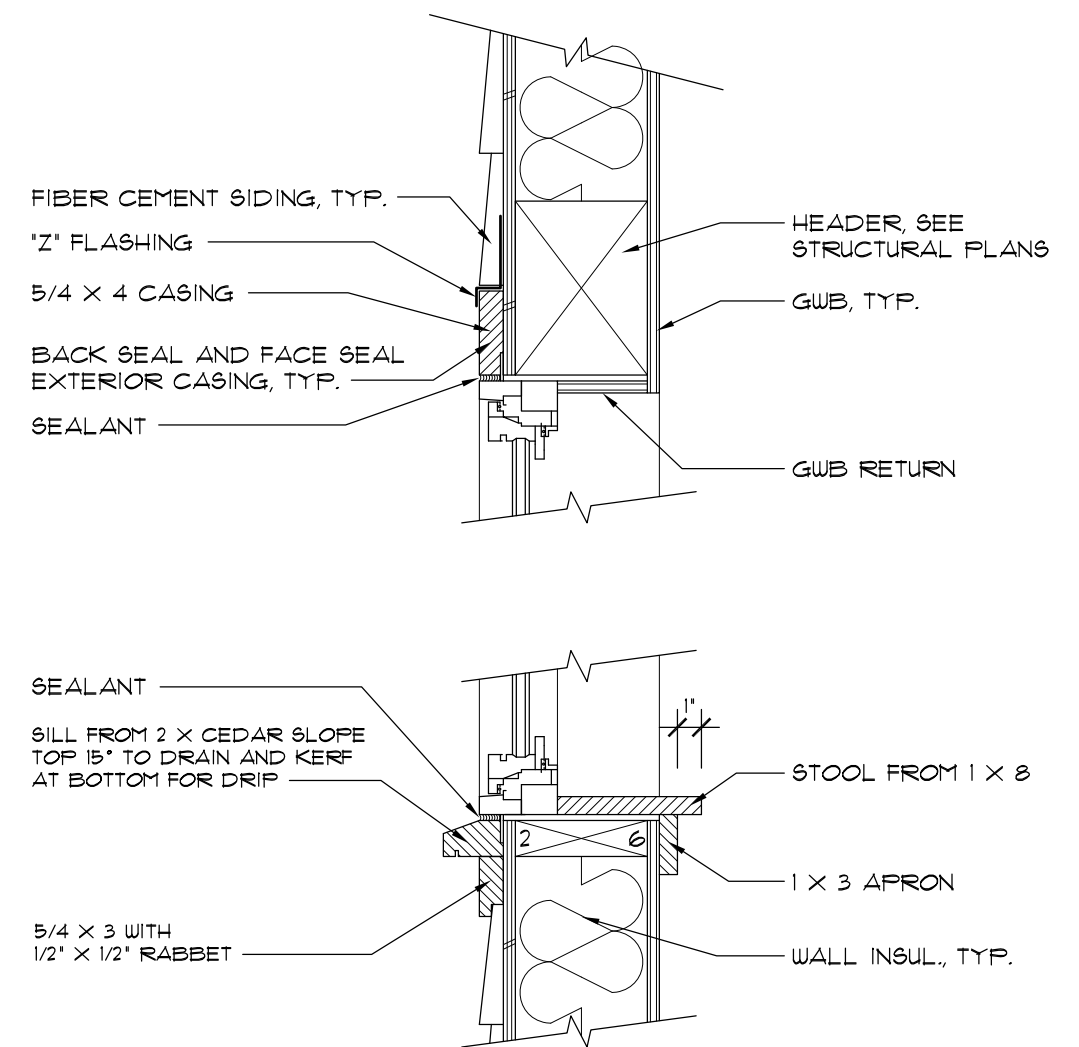
NOTE:
FOR METAL TYPES,
SEE PROJECT MANUAL



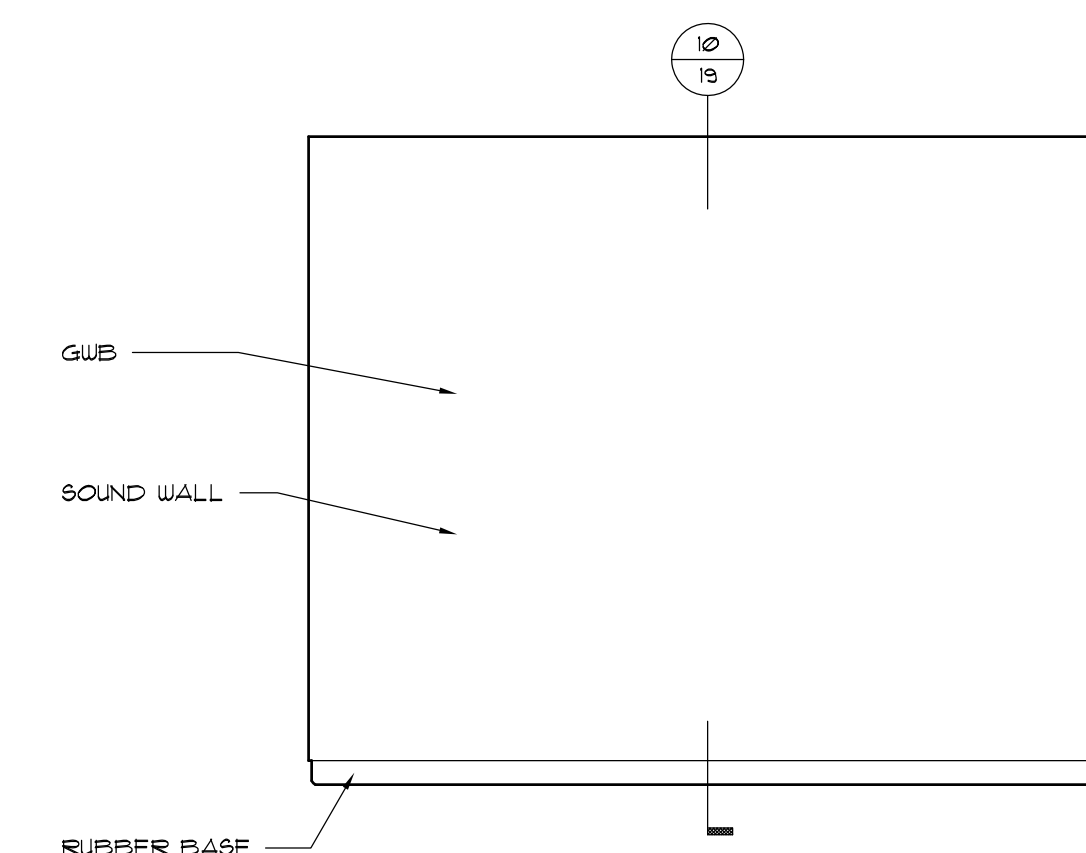
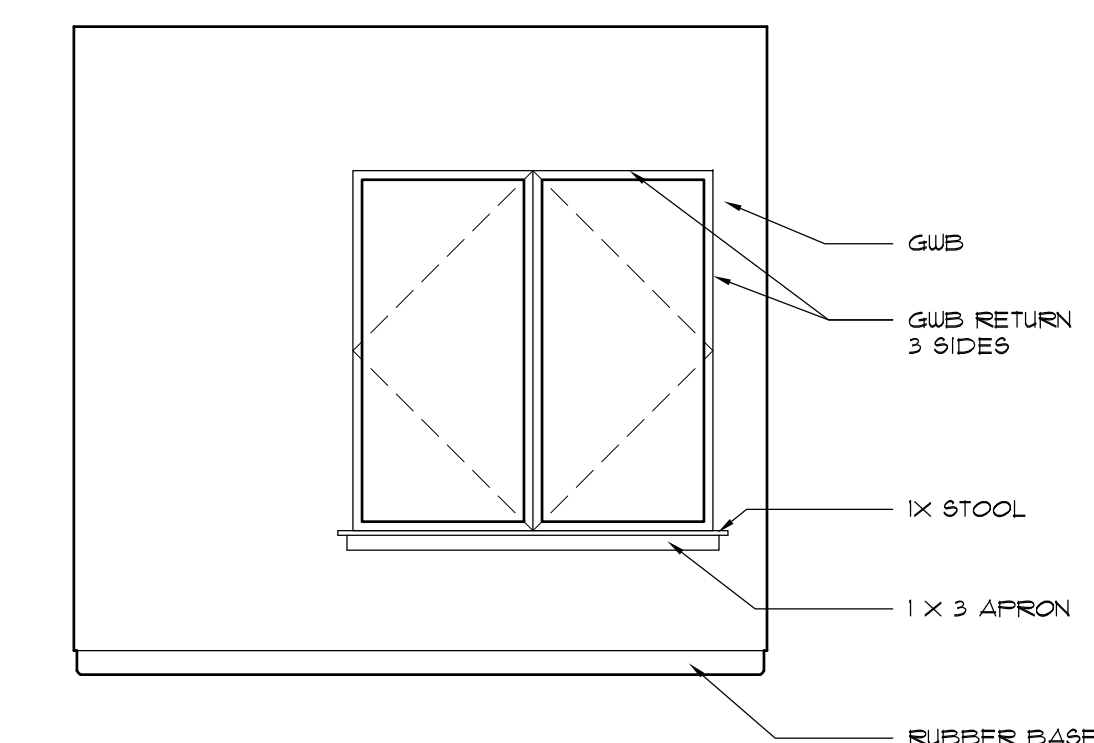
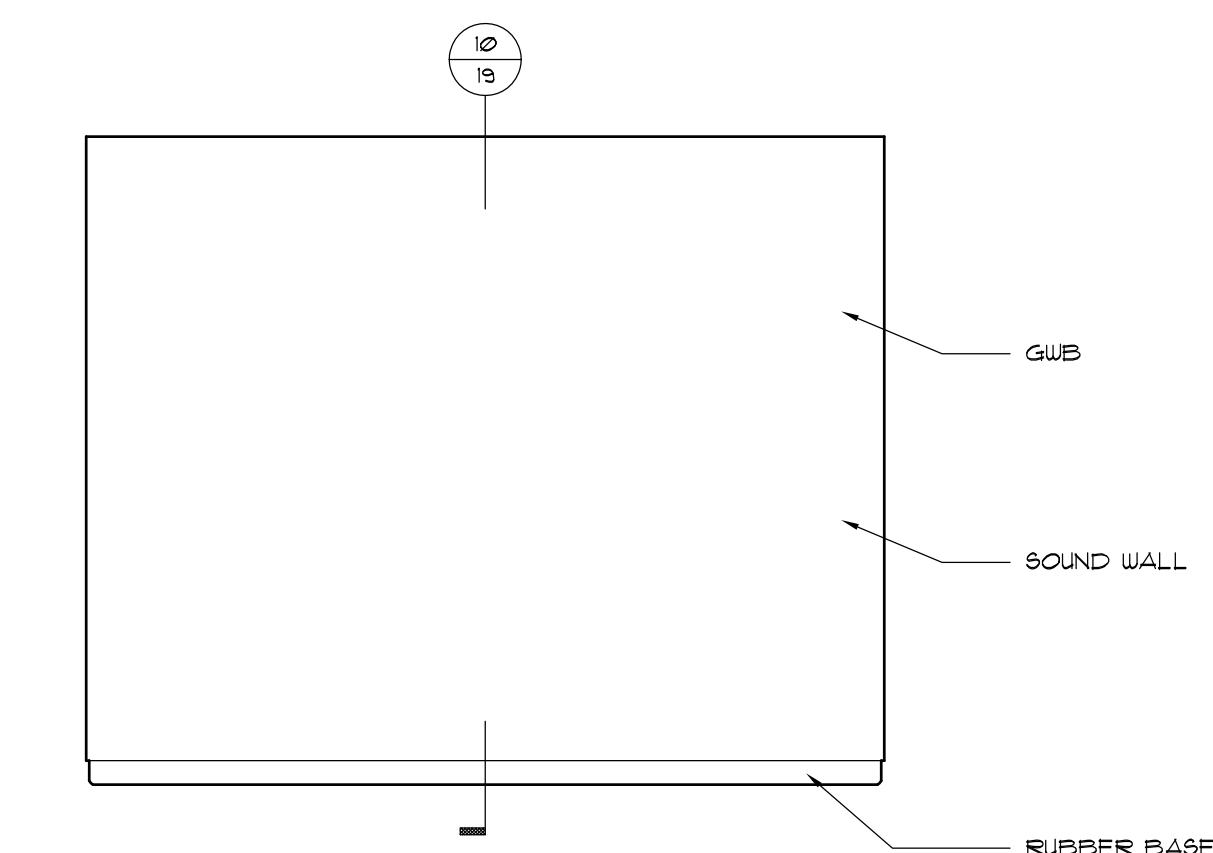
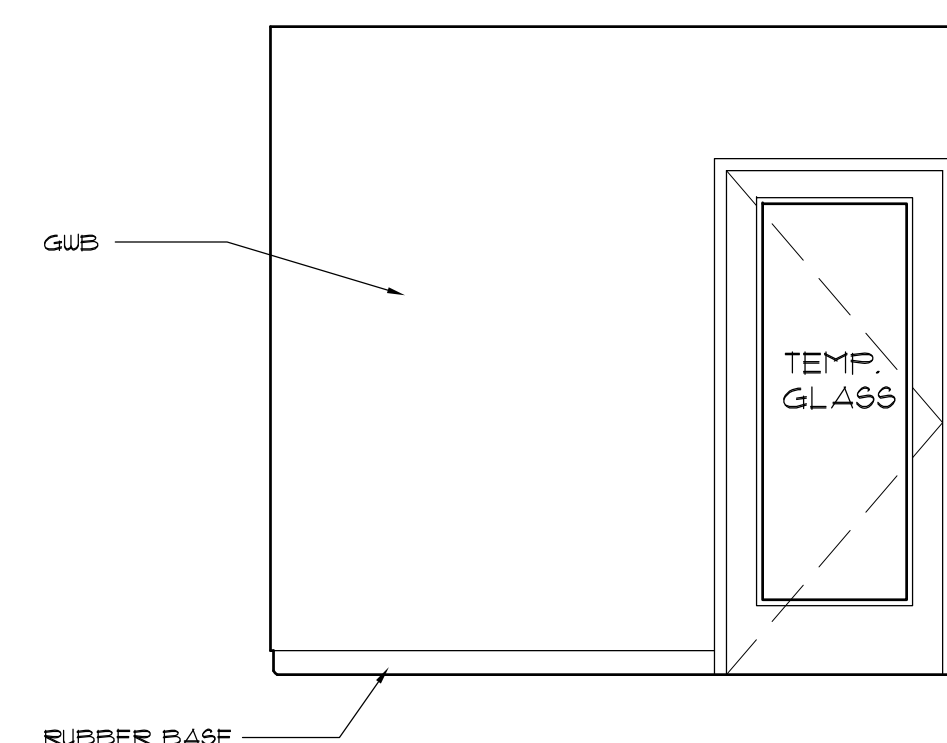
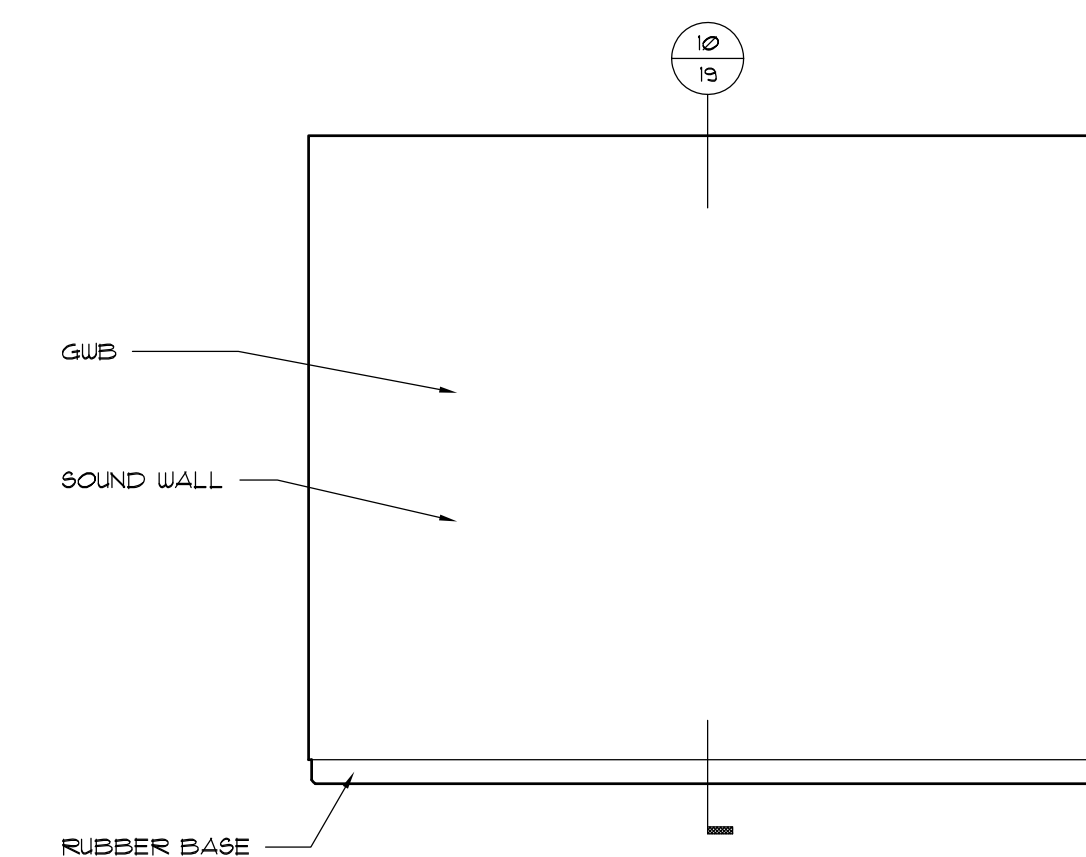
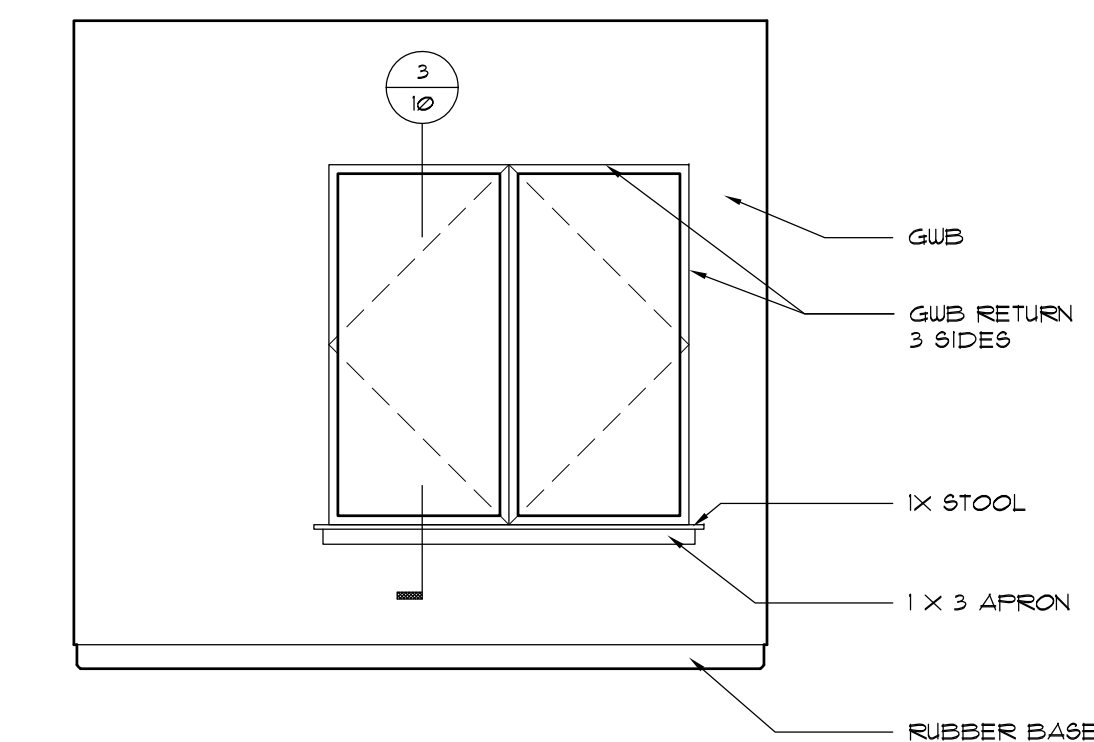
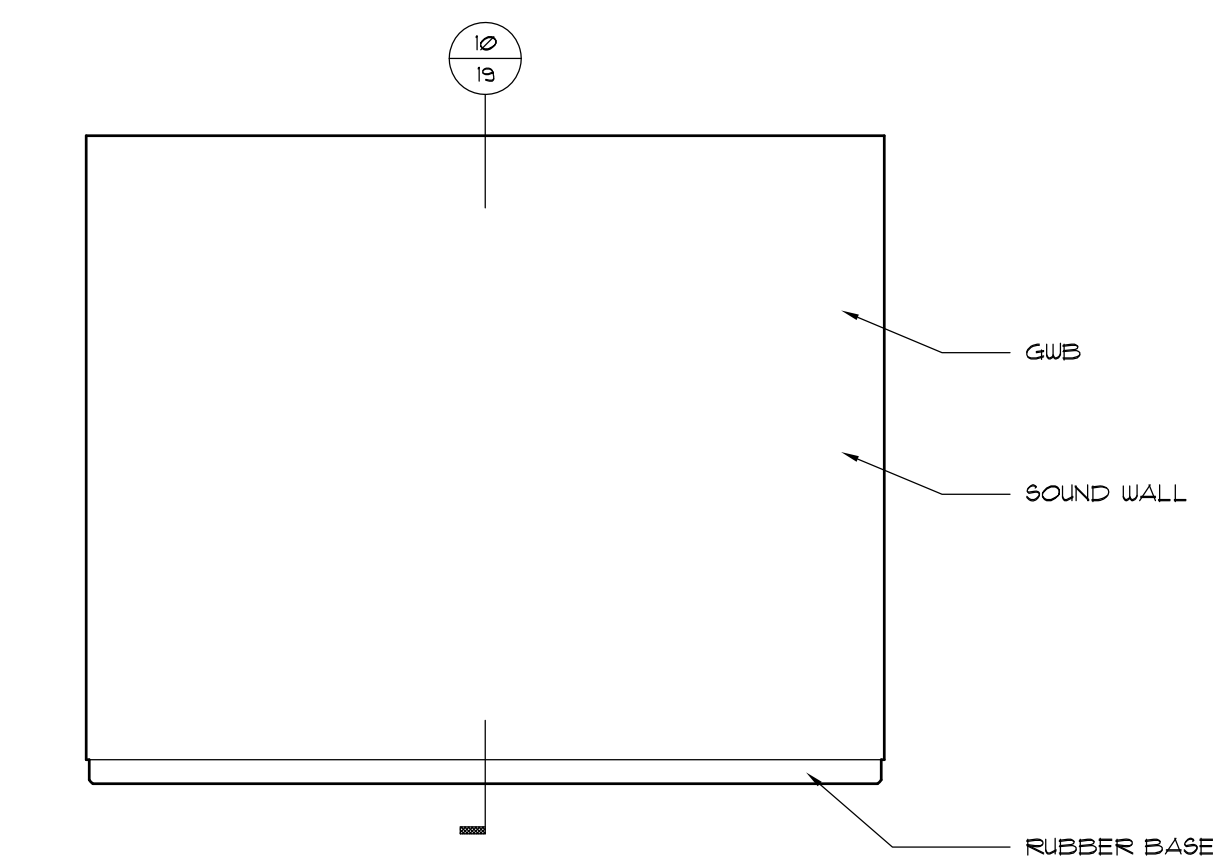
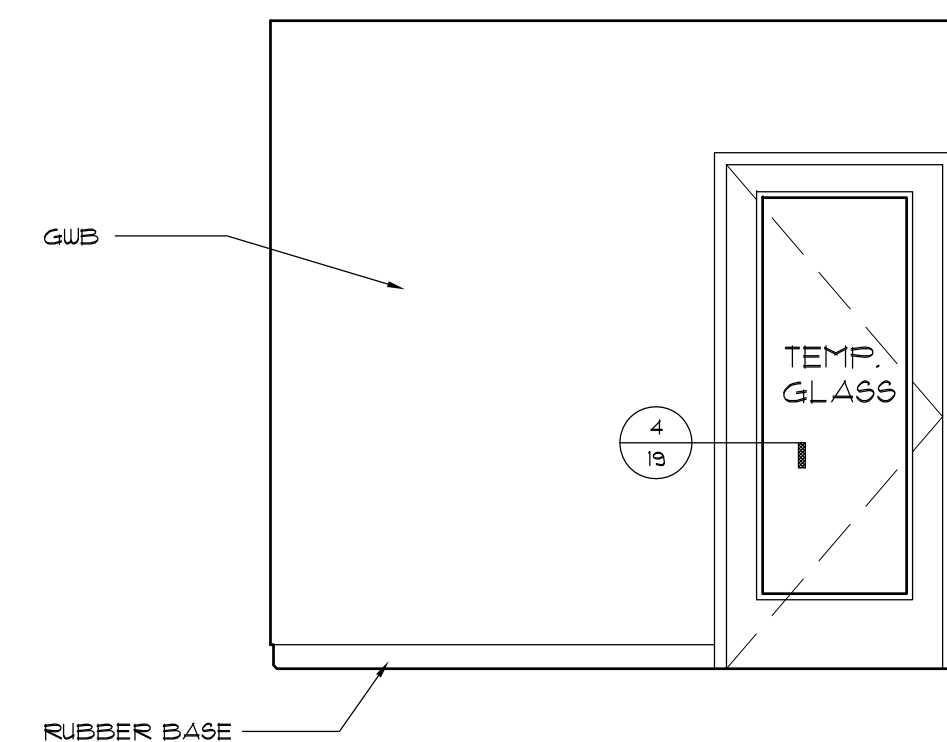
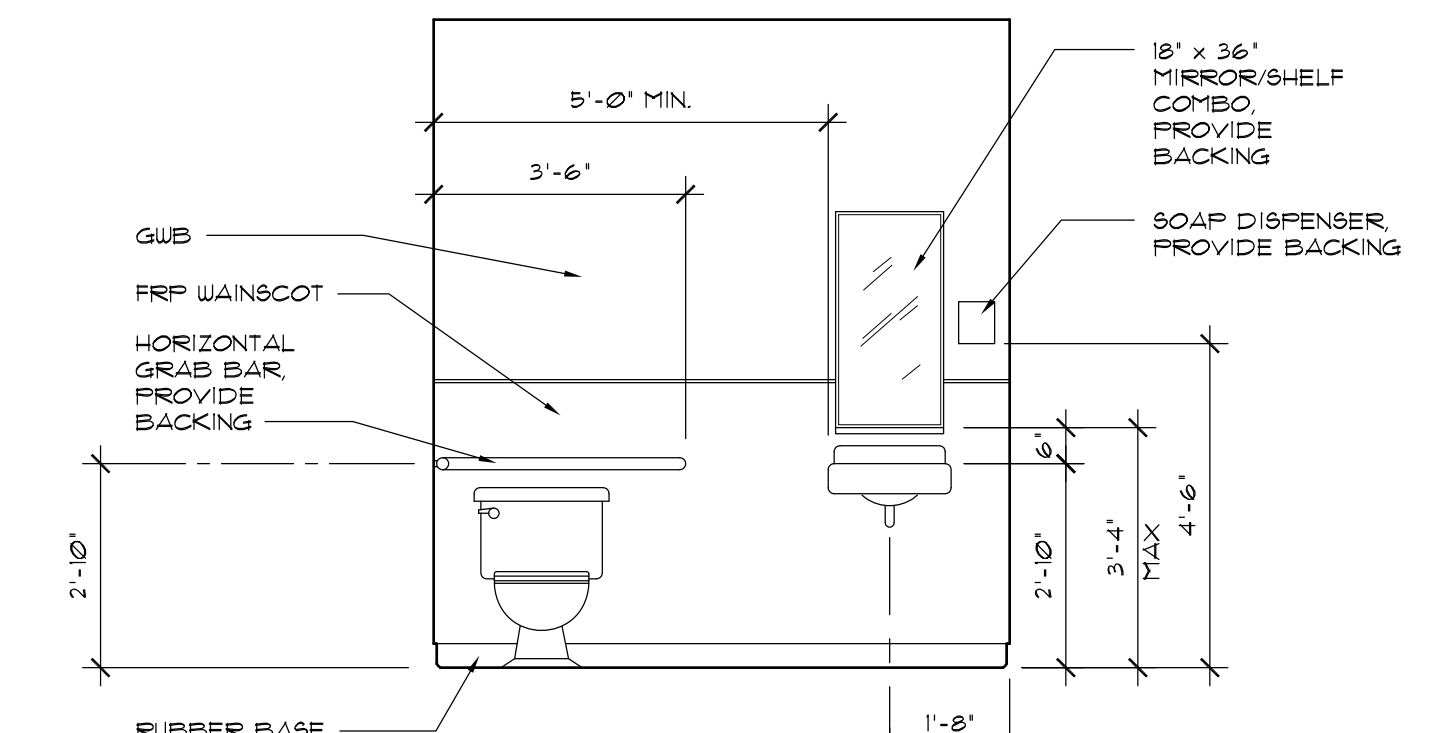
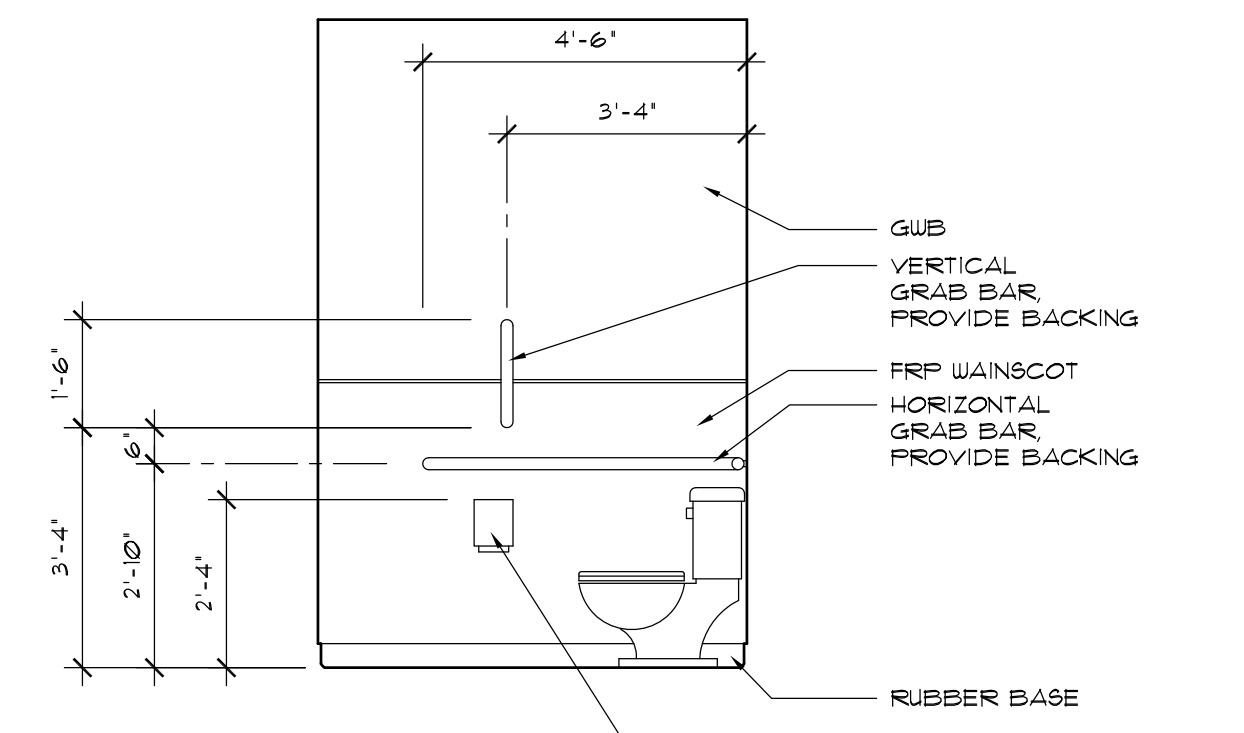
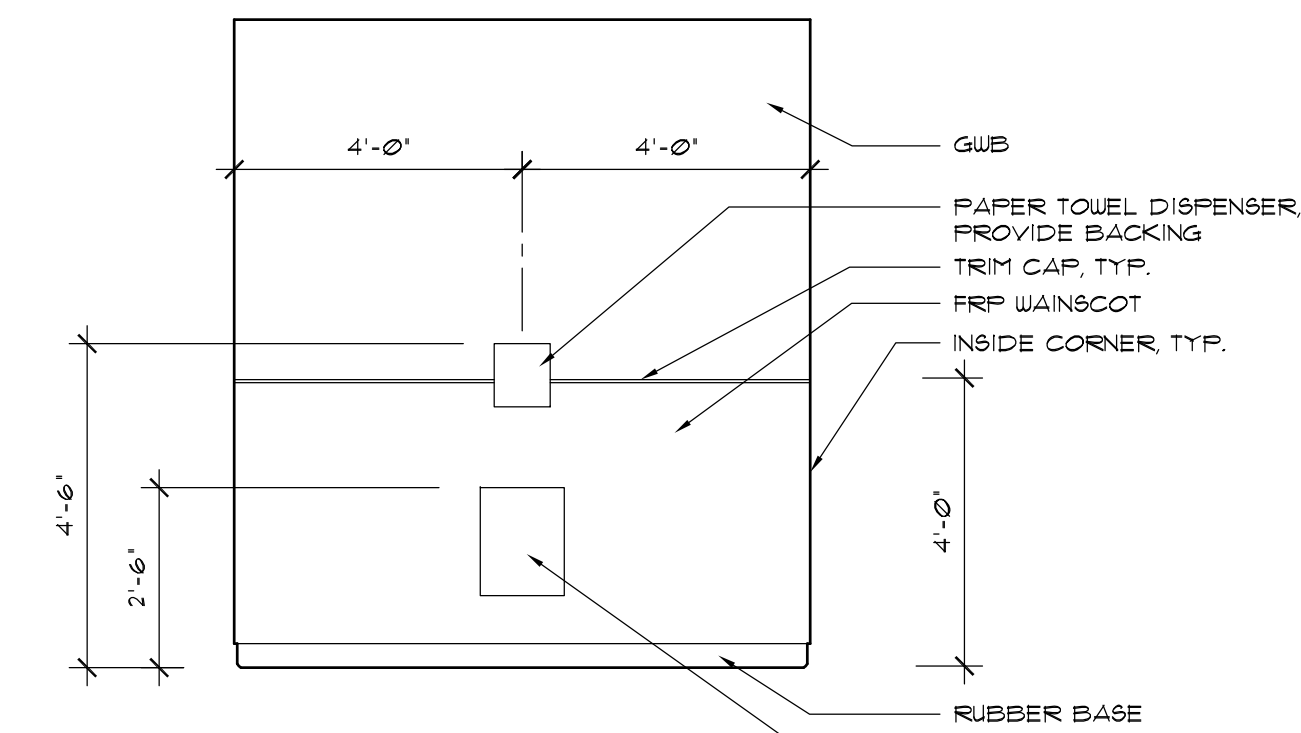
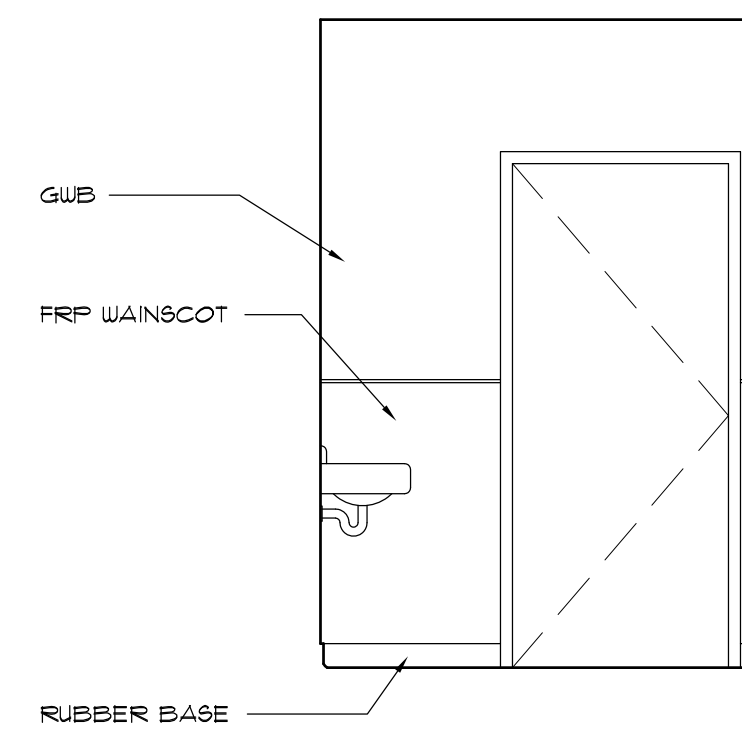
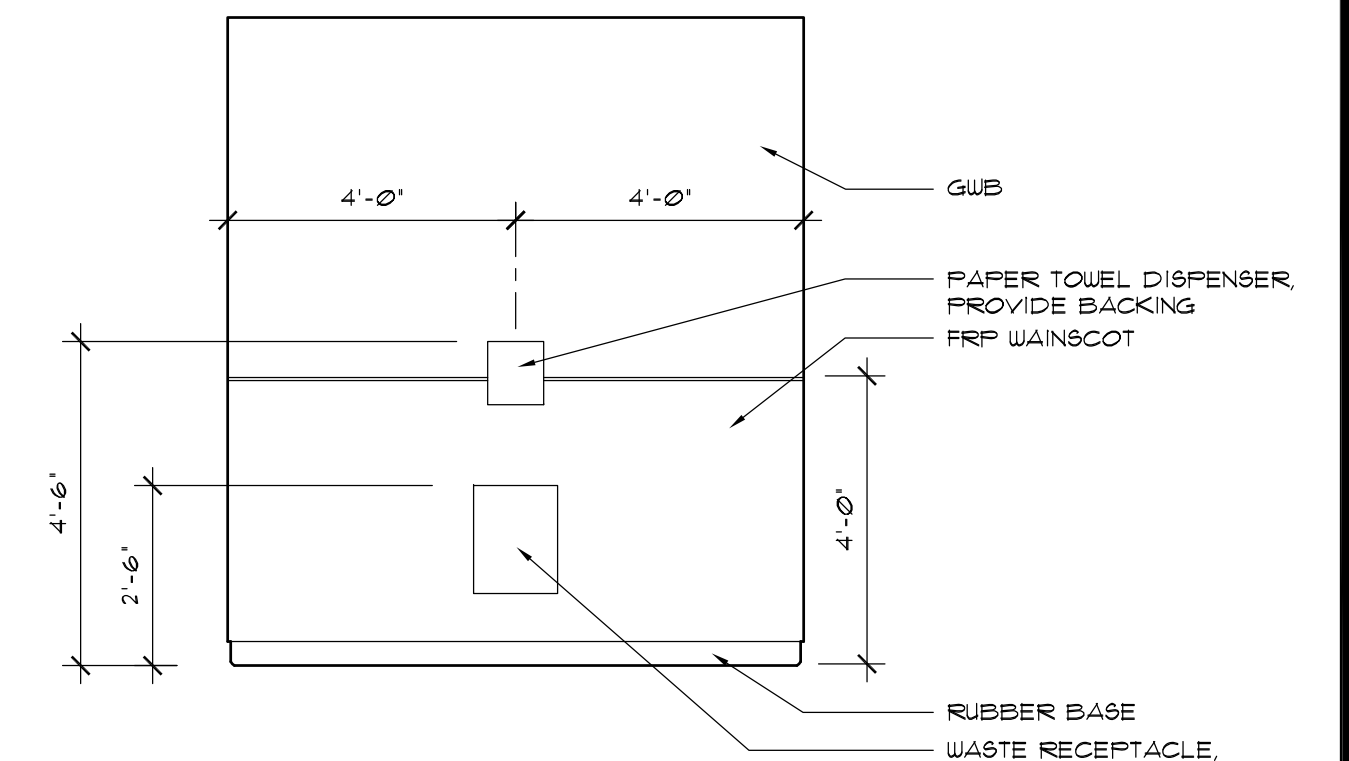
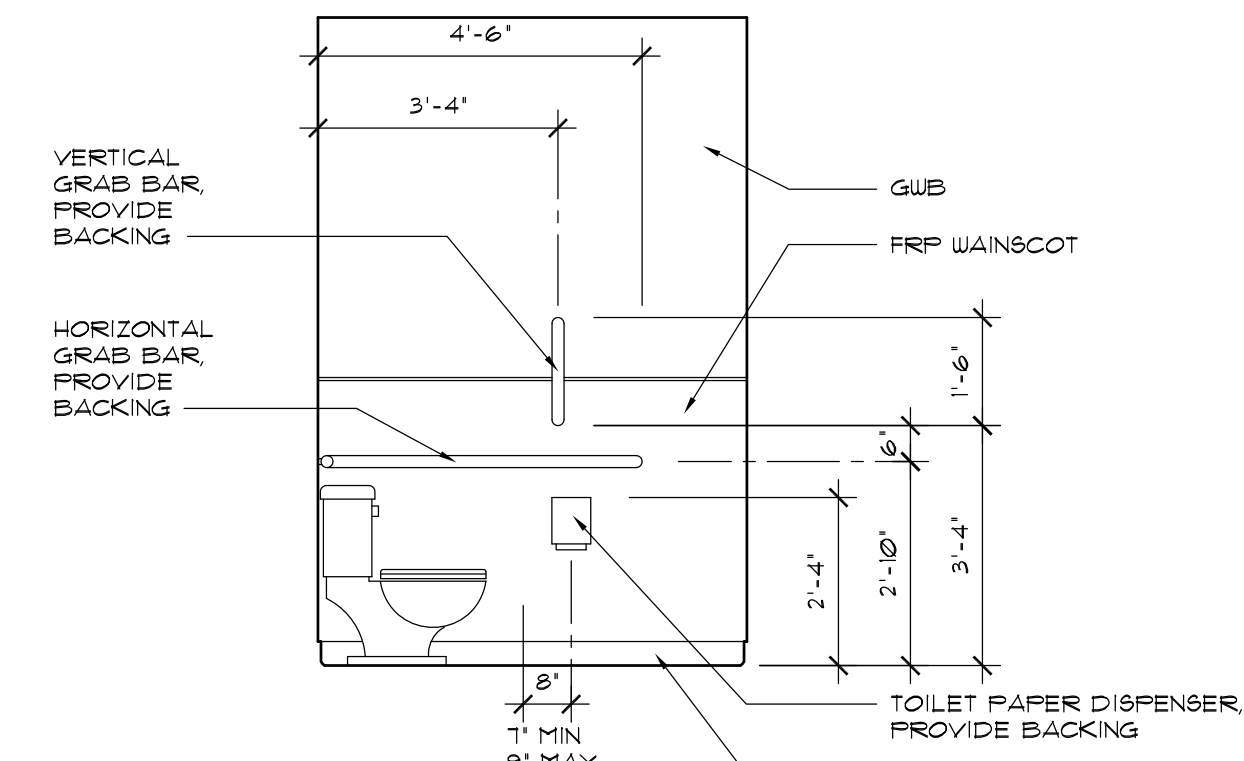
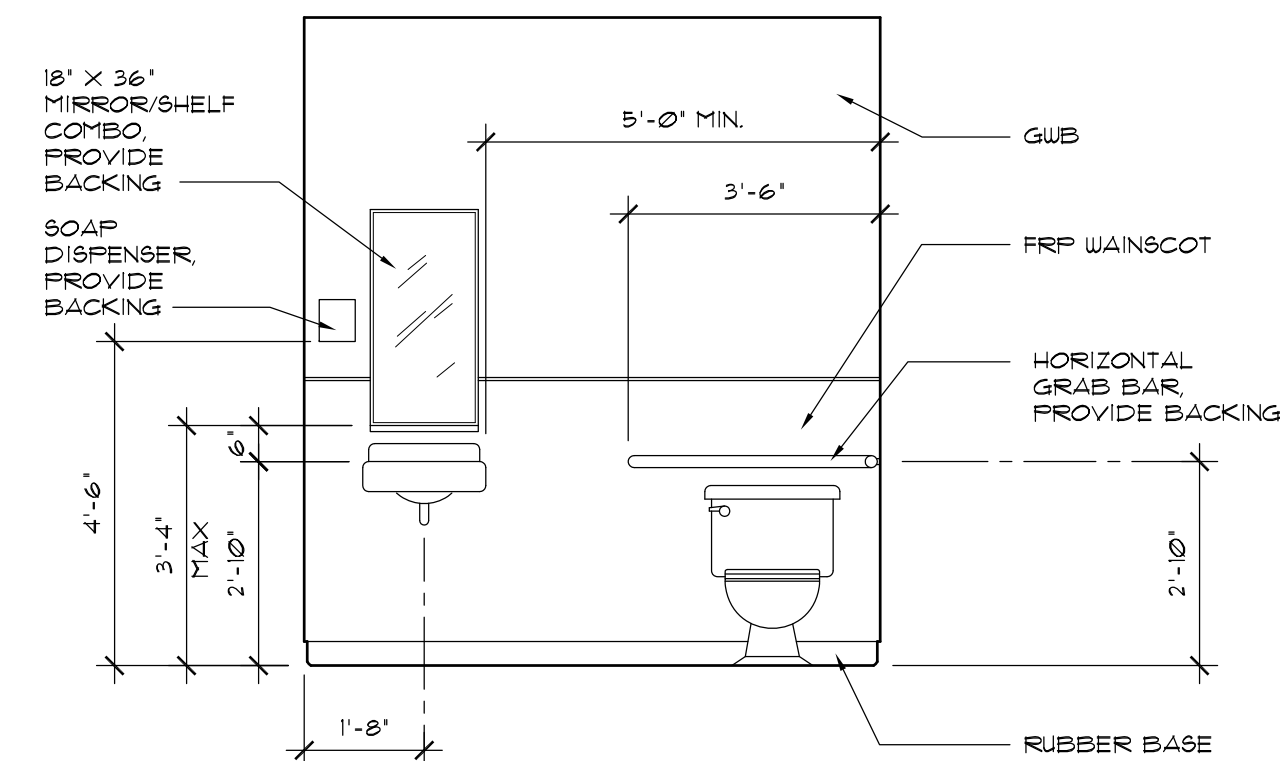
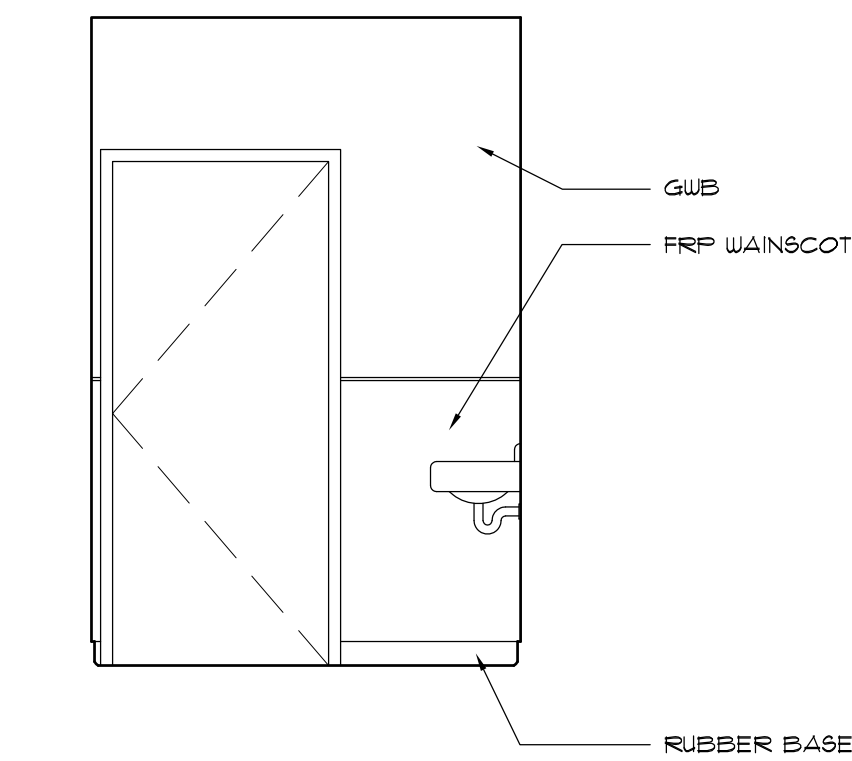
1 BARGE
1 1/2' = 1'-0"

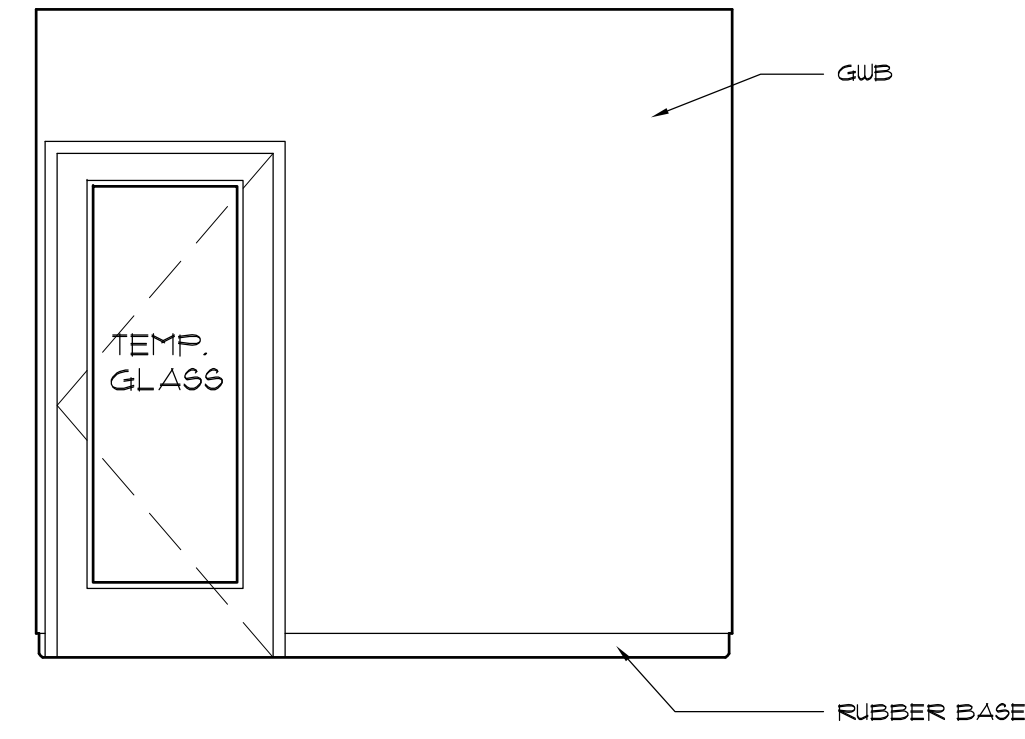


2 EAVE
1 1/2' = 1'-0"

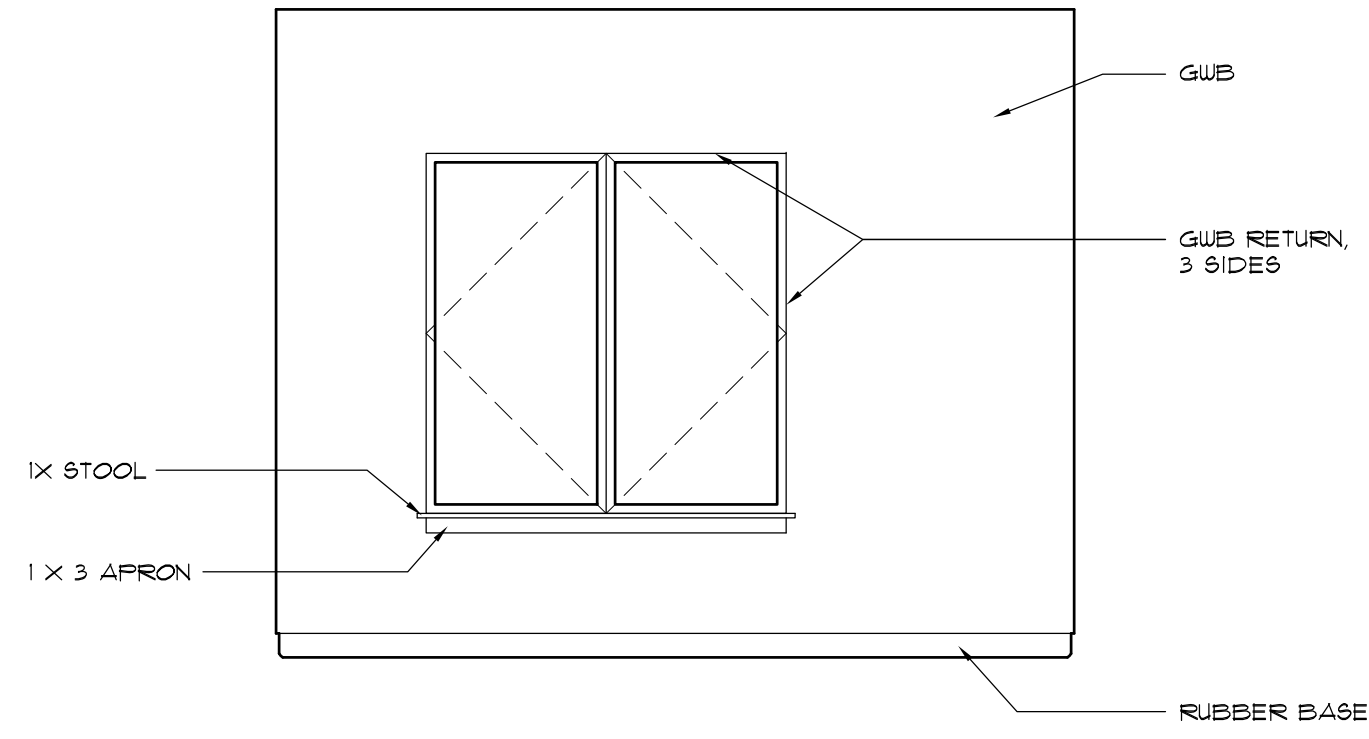


3 WINDOW
1 1/2' = 1'-0"

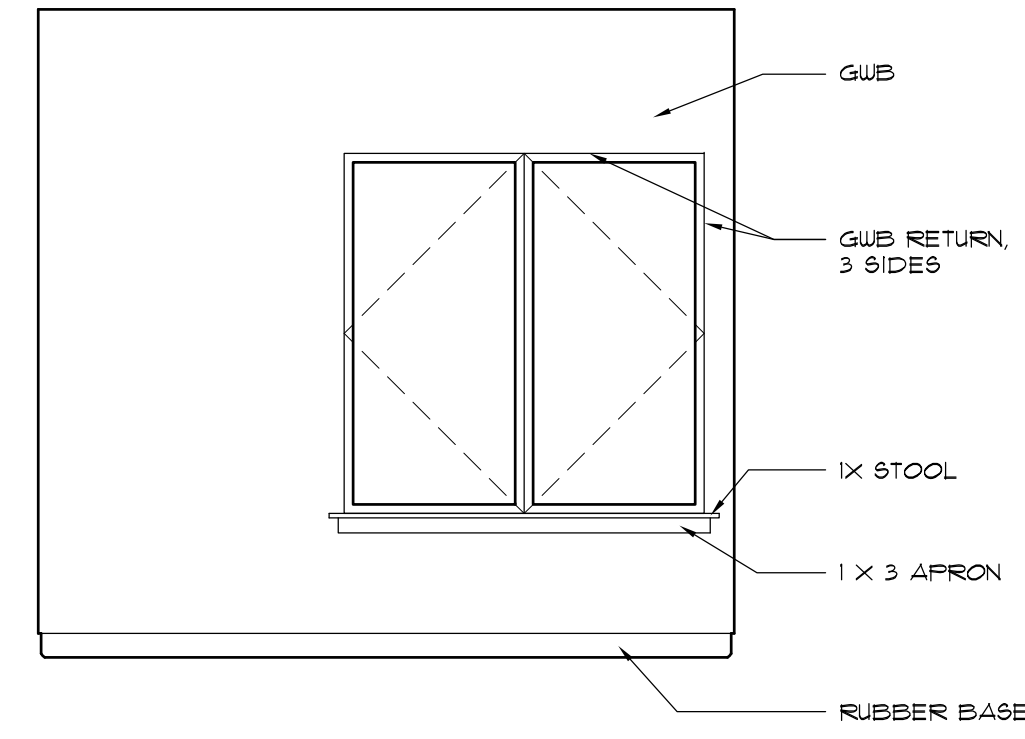




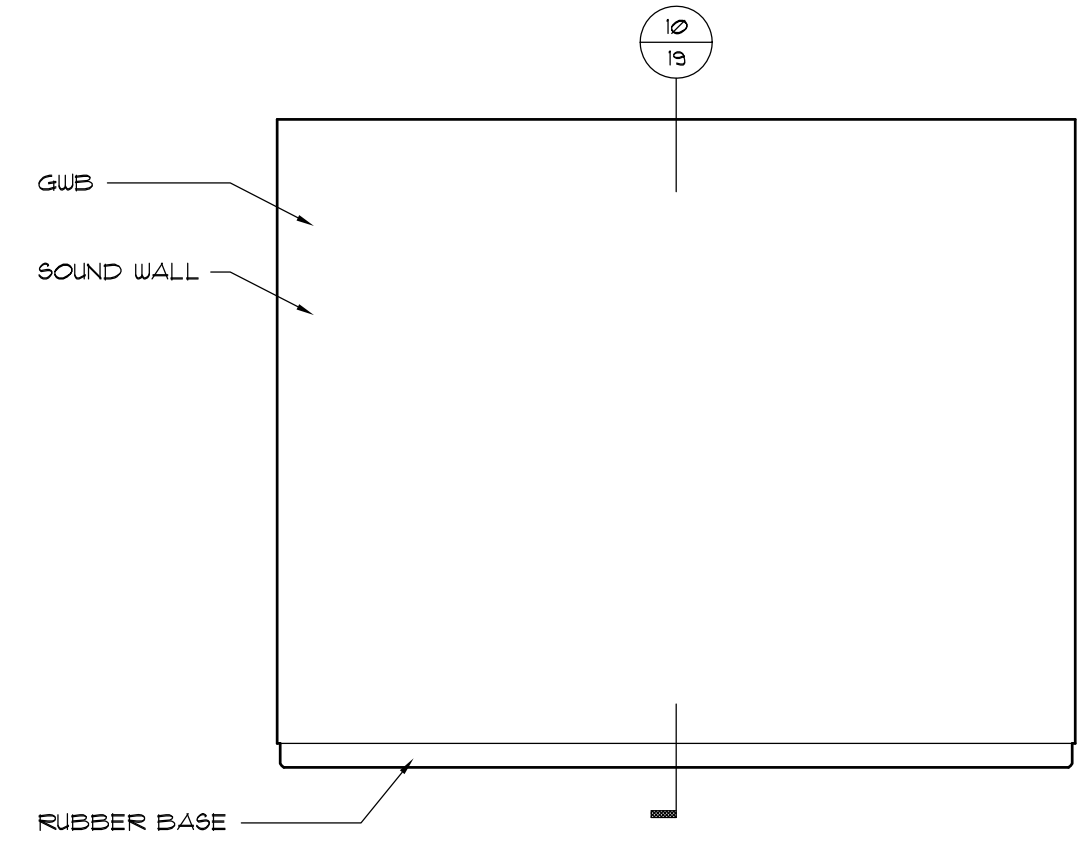
△ 20 OFFICE 3 - EAST
3/8" = 1'-0"



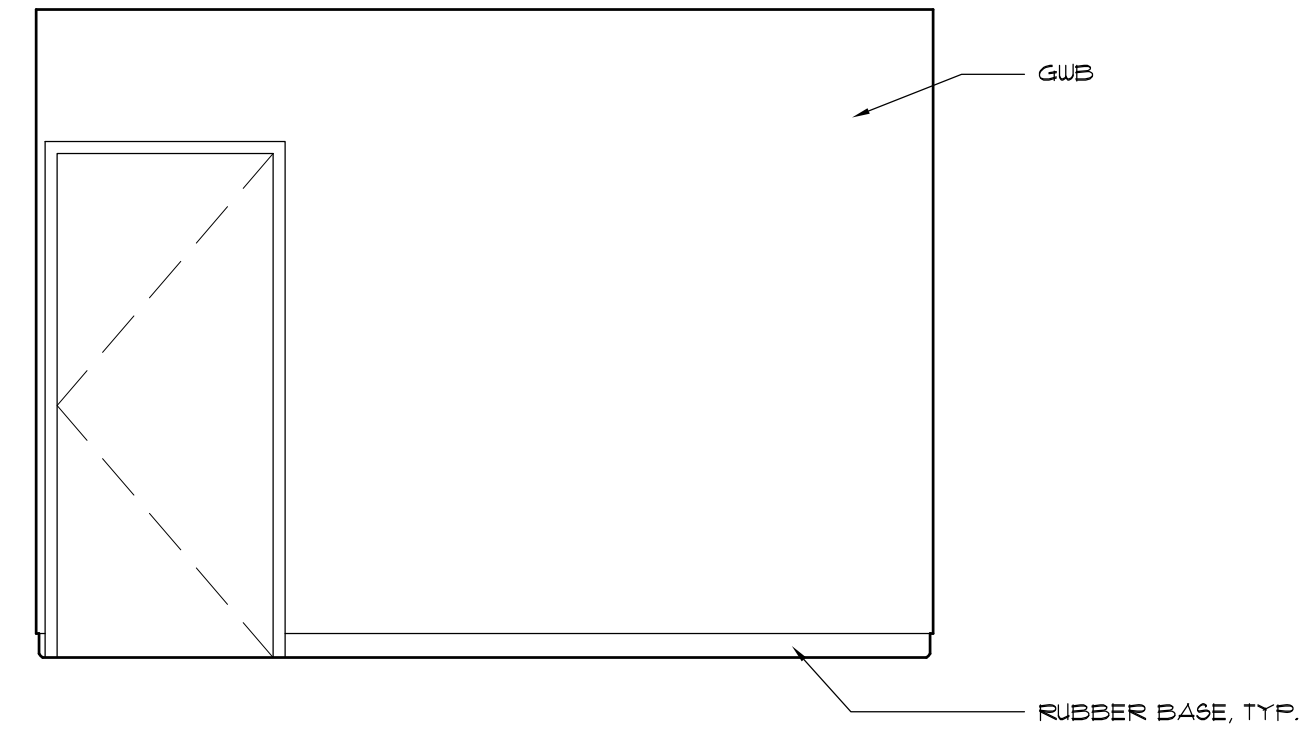
△ 19 OFFICE 3 - SOUTH
3/8" = 1'-0"



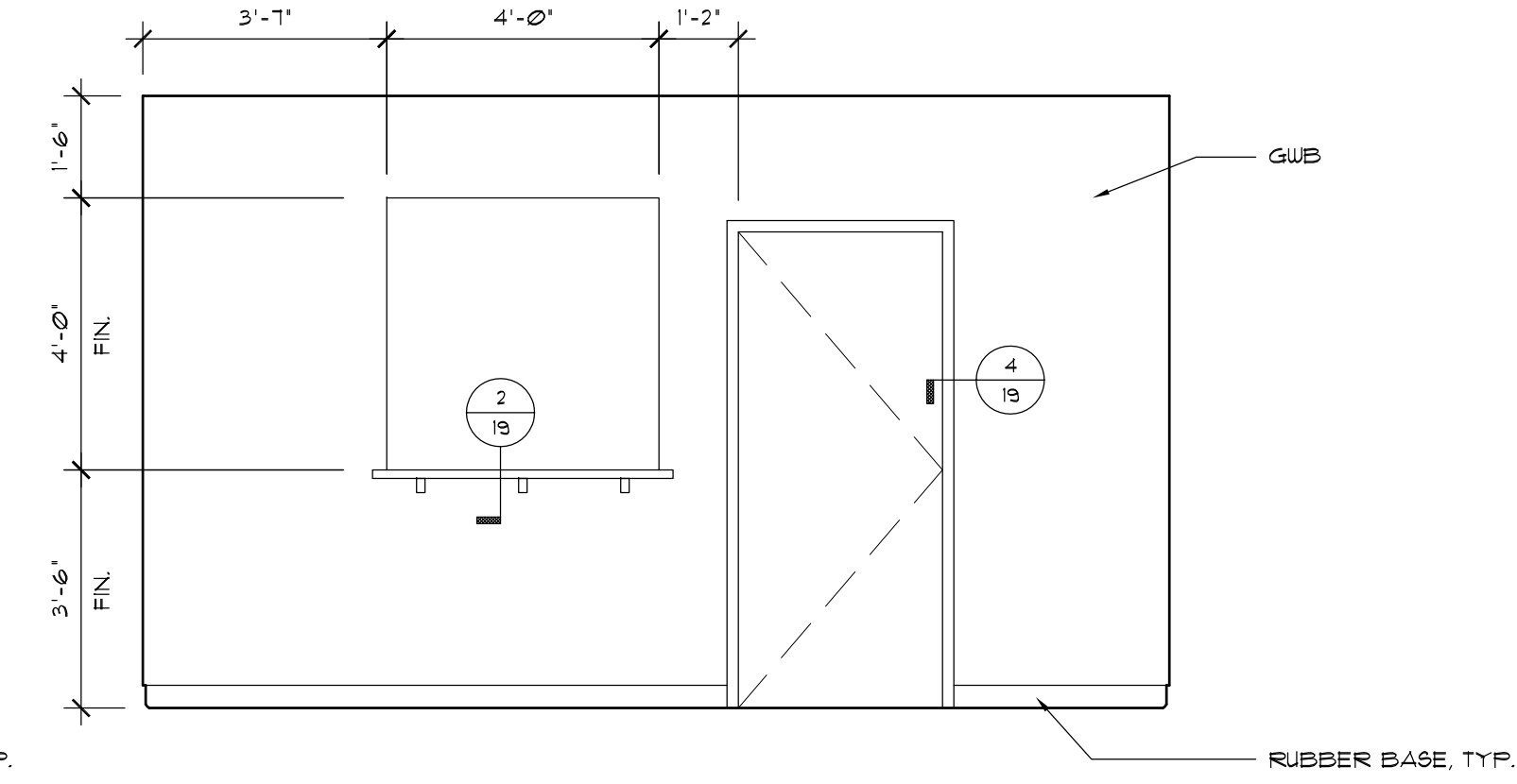
△ 18 OFFICE 3 - WEST
3/8" = 1'-0"



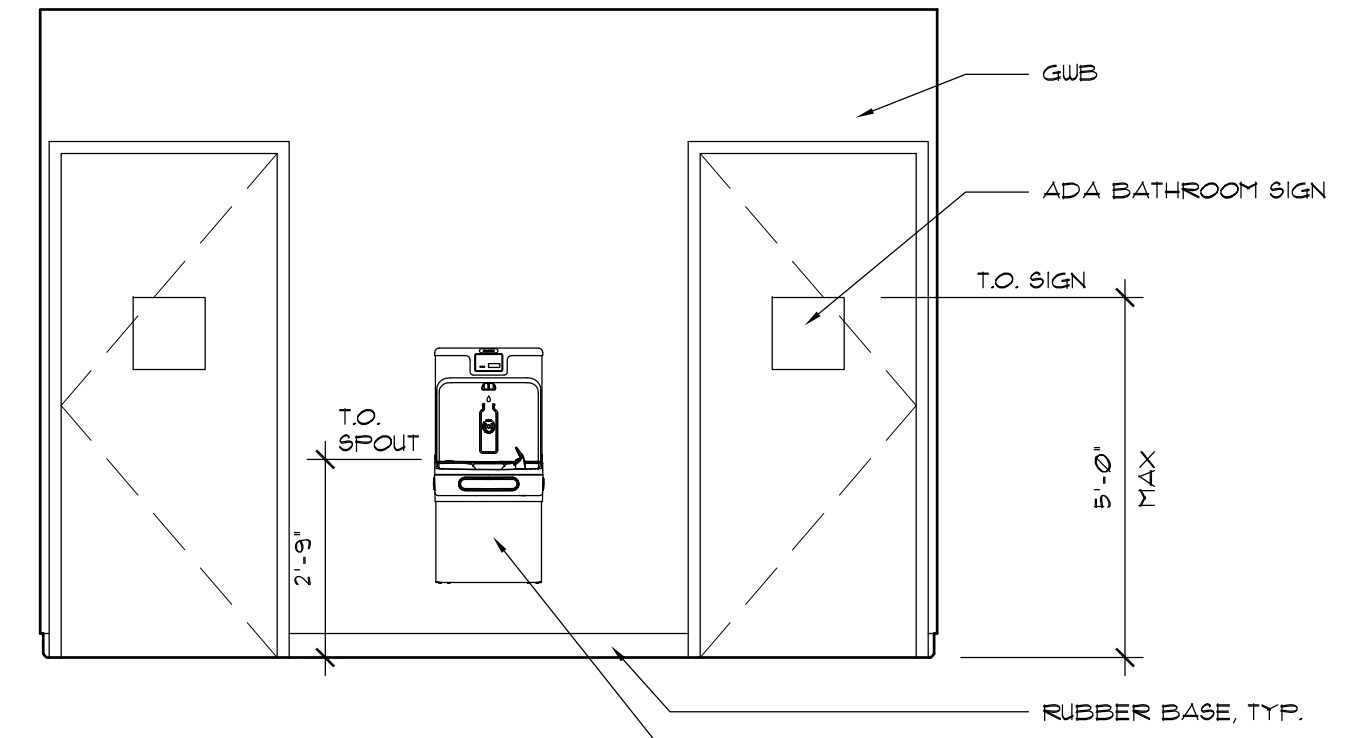
△ 17 OFFICE 3 - NORTH
3/8" = 1'-0"



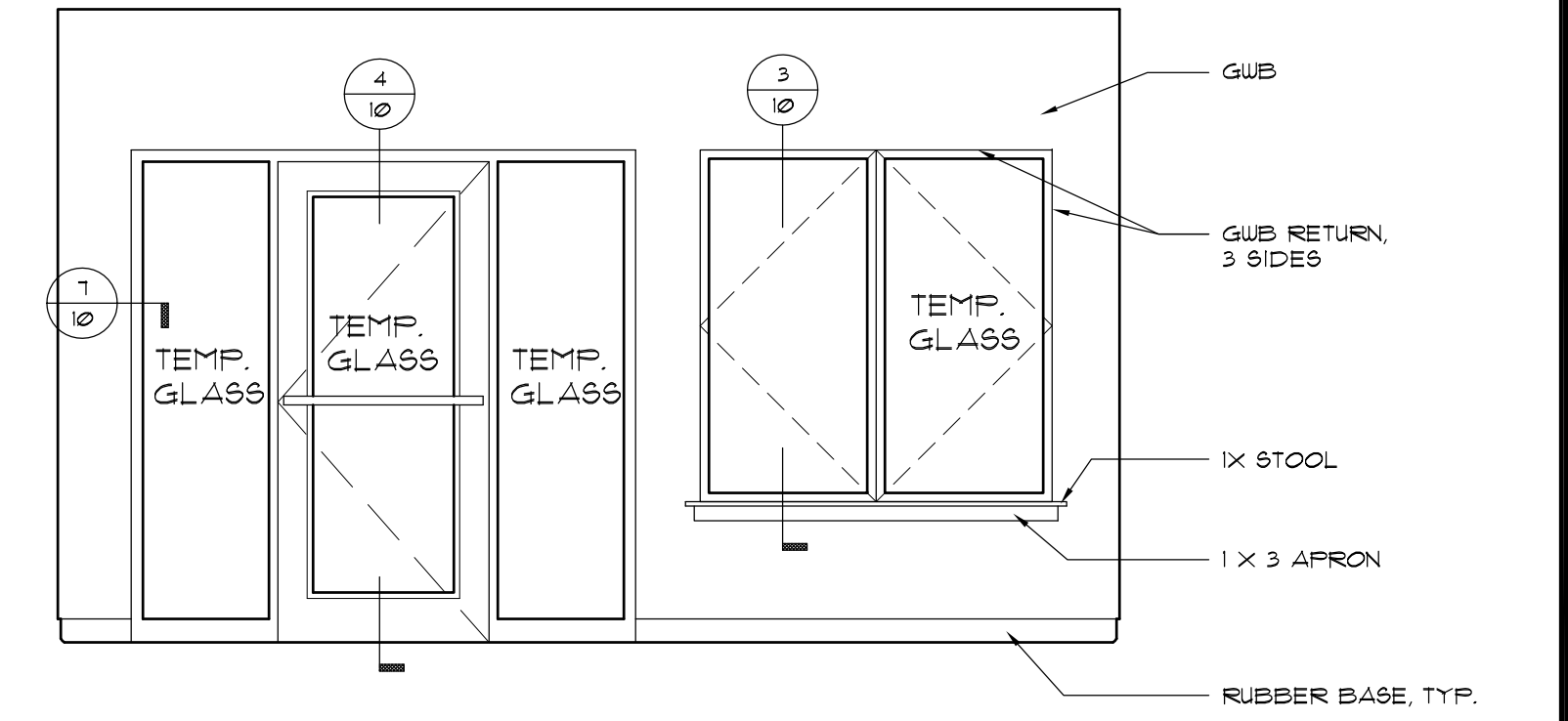
△ 24 LOBBY - EAST
3/8" = 1'-0"



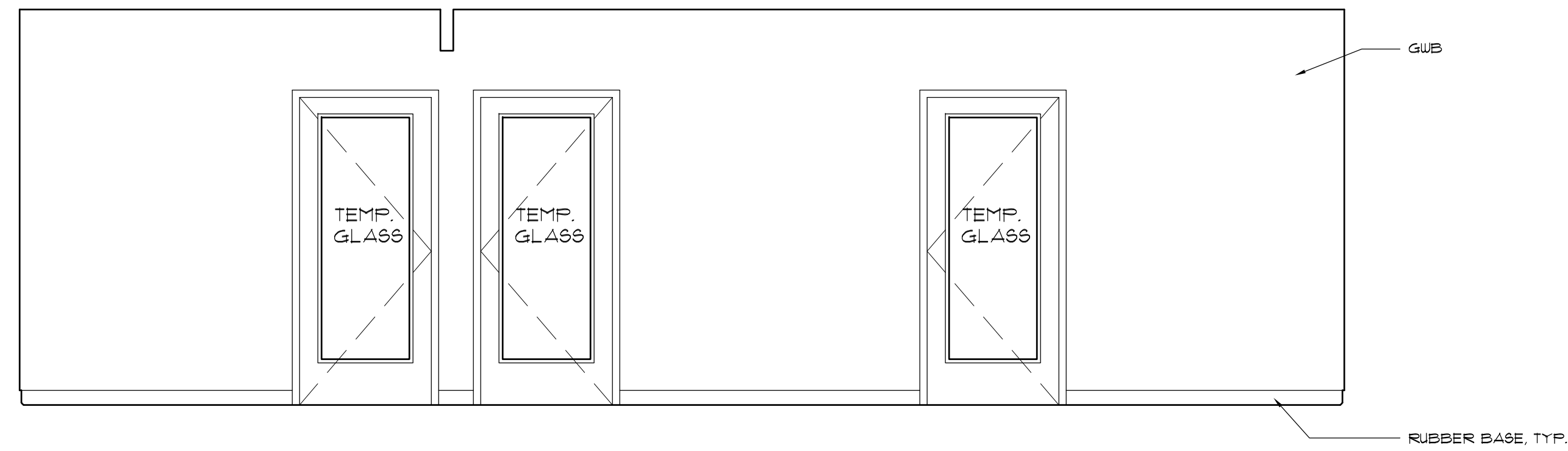
△ 23 LOBBY - SOUTH
3/8" = 1'-0"



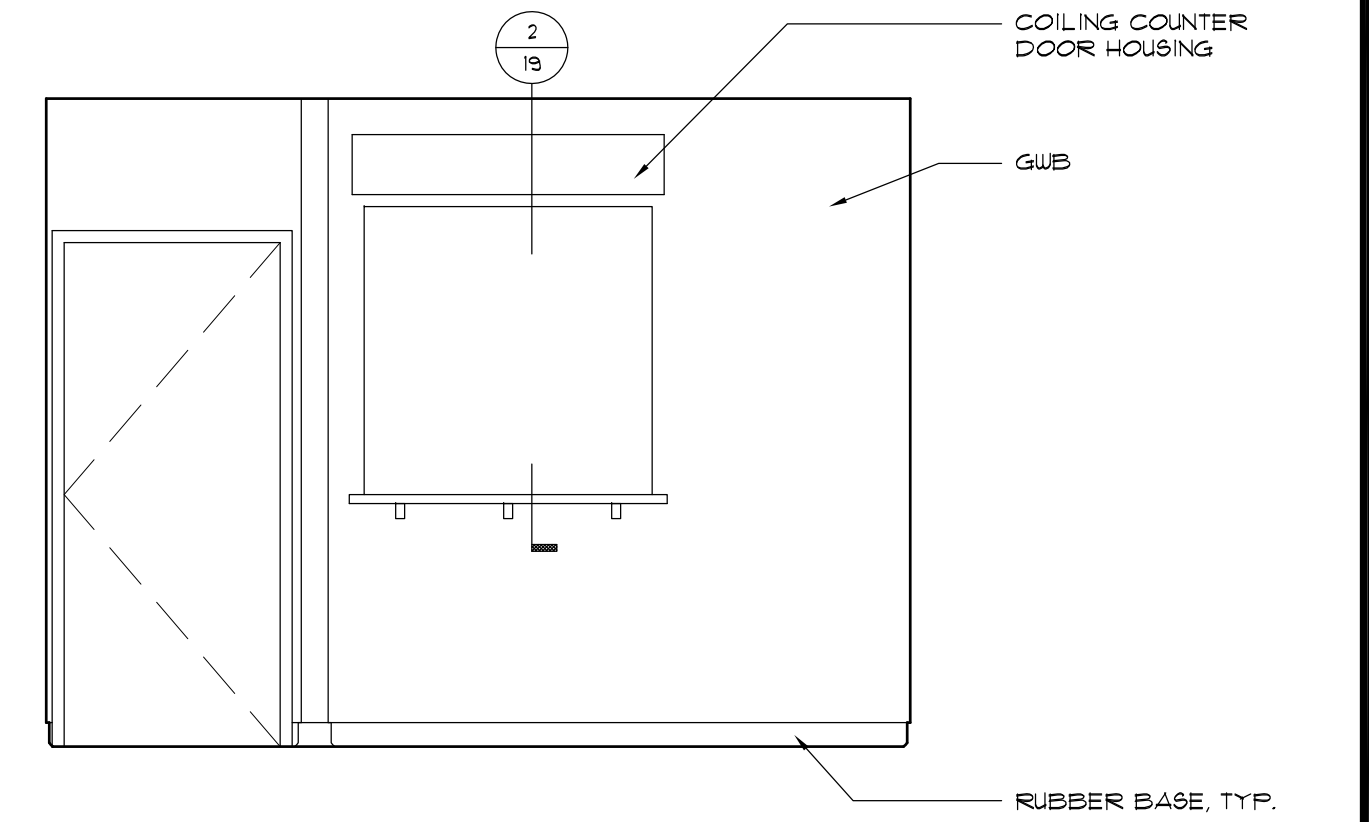
△ 22 LOBBY - WEST
3/8" = 1'-0"



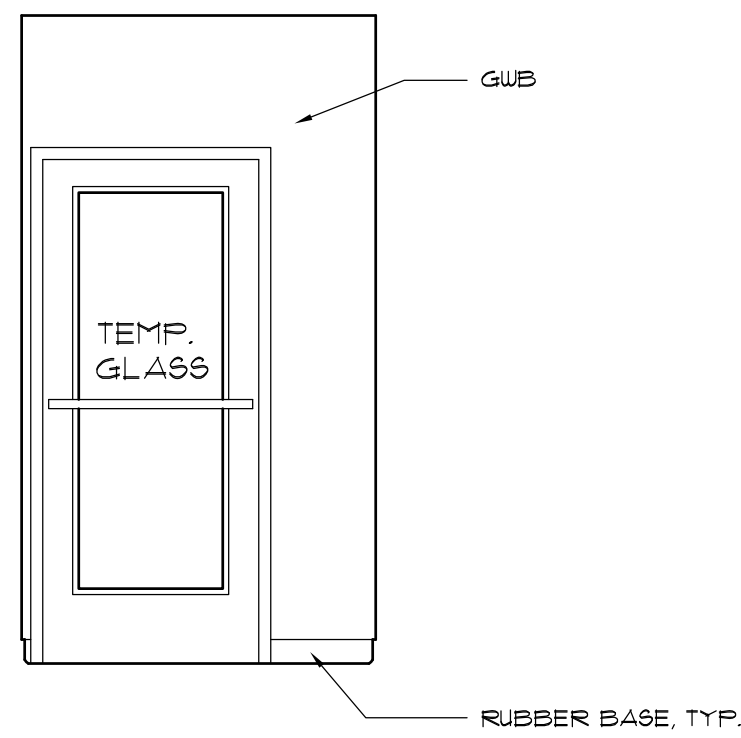
△ 21 LOBBY - NORTH
3/8" = 1'-0"



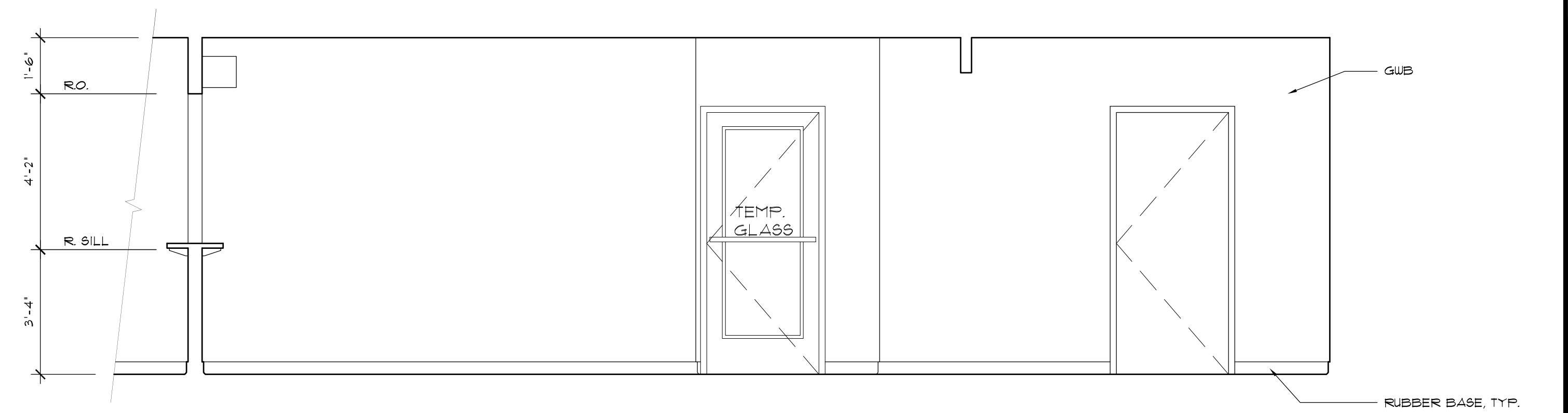
△ 26 BILLING / CORRIDOR 1 - WEST
3/8" = 1'-0"



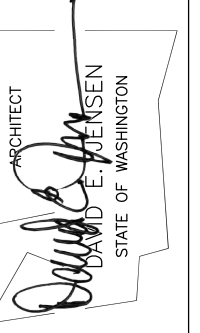
△ 25 BILLING - NORTH
3/8" = 1'-0"

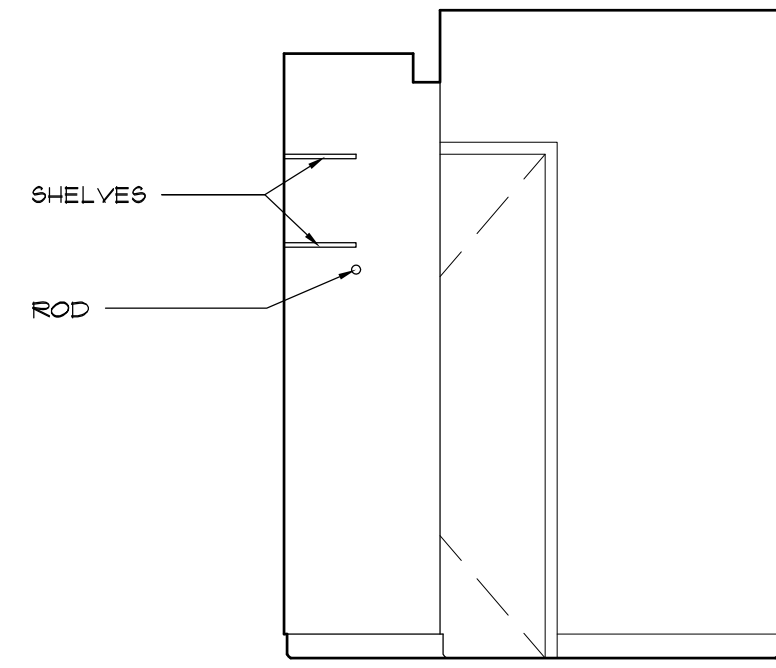


△ 28 CORRIDOR 1 - SOUTH
3/8" = 1'-0"

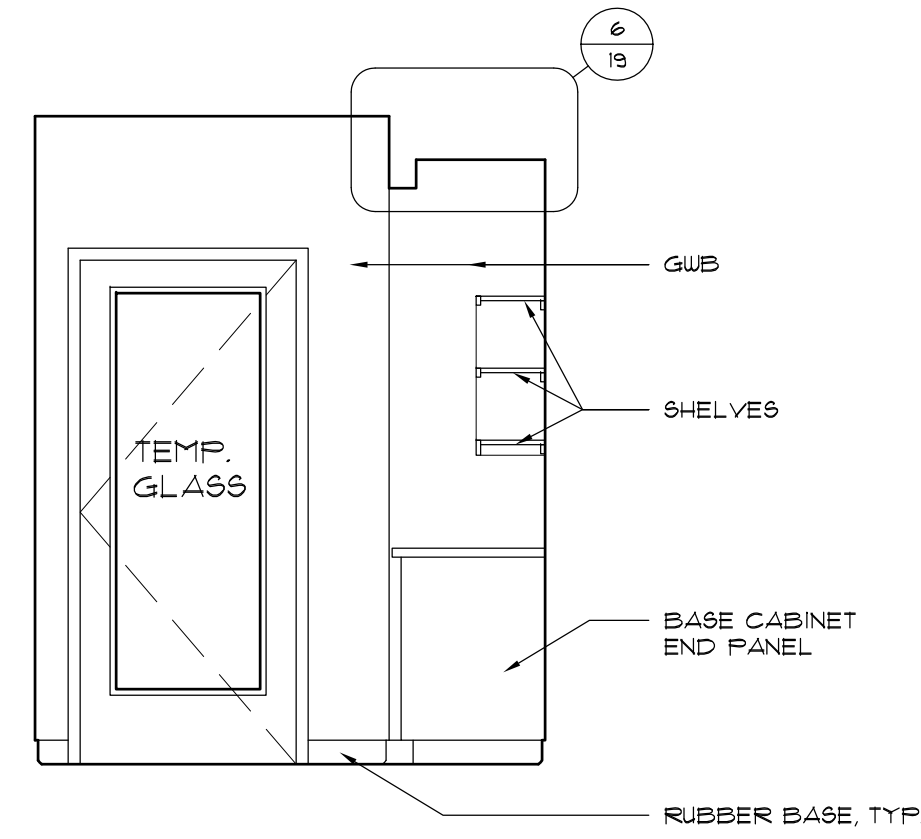


△ 27 BILLING / CORRIDOR 1 - EAST
3/8" = 1'-0"





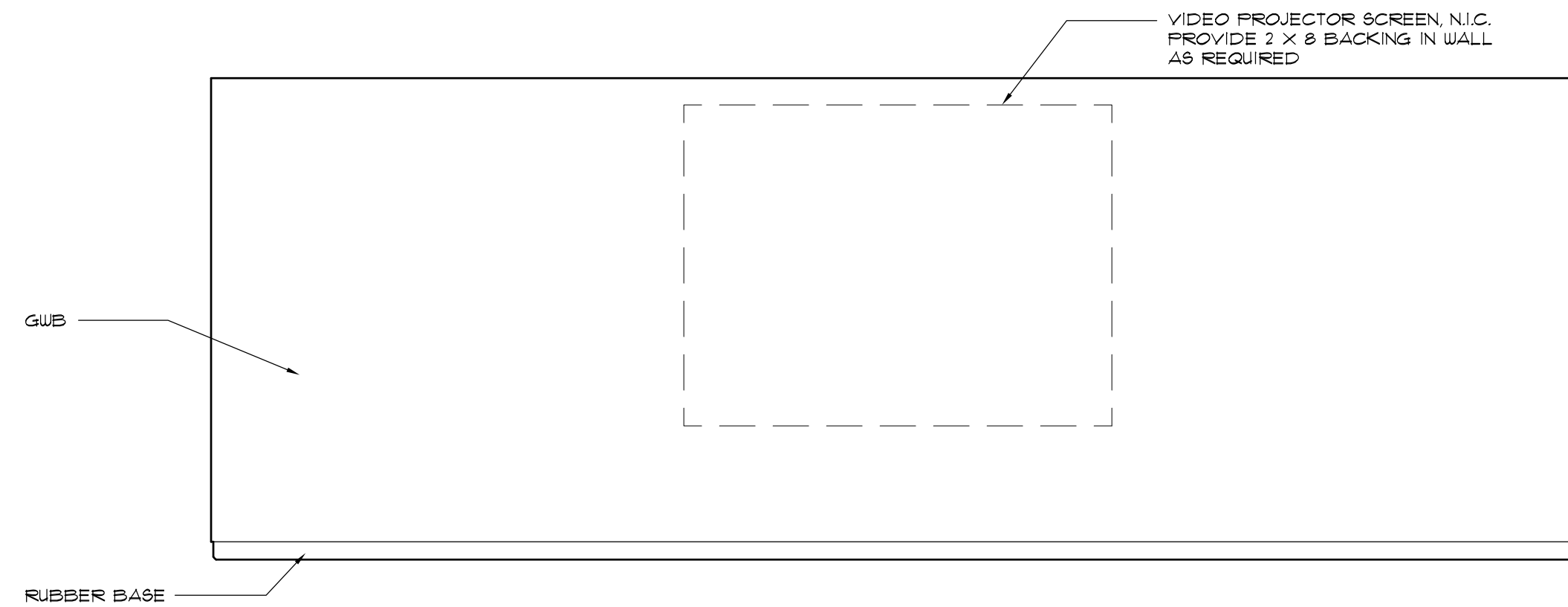
30 CORRIDOR 2 - WEST
3/8" = 1'-0"



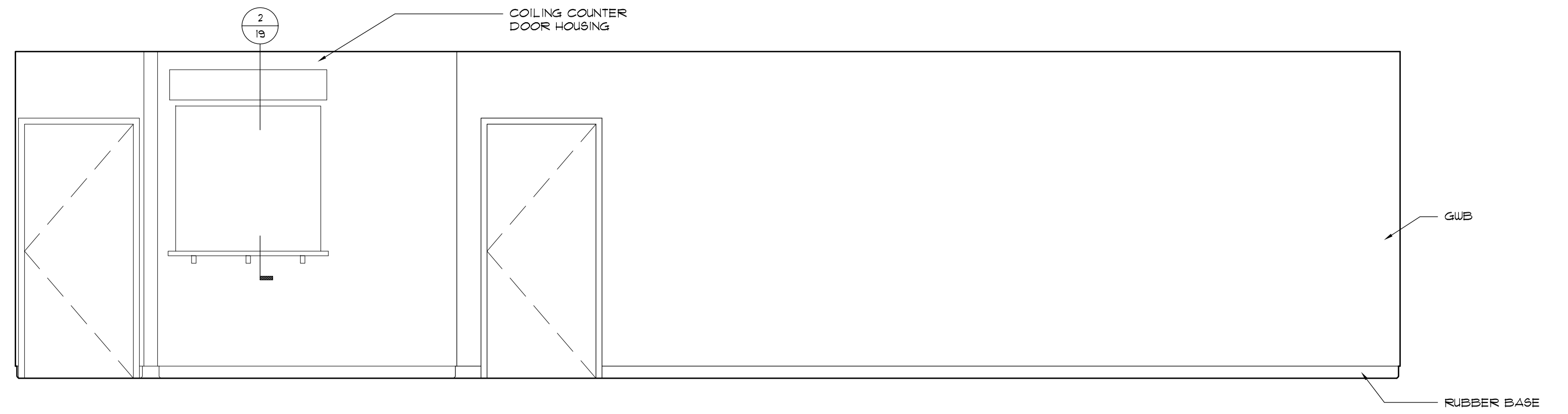
32 CORRIDOR 2 - EAST
3/8" = 1'-0"



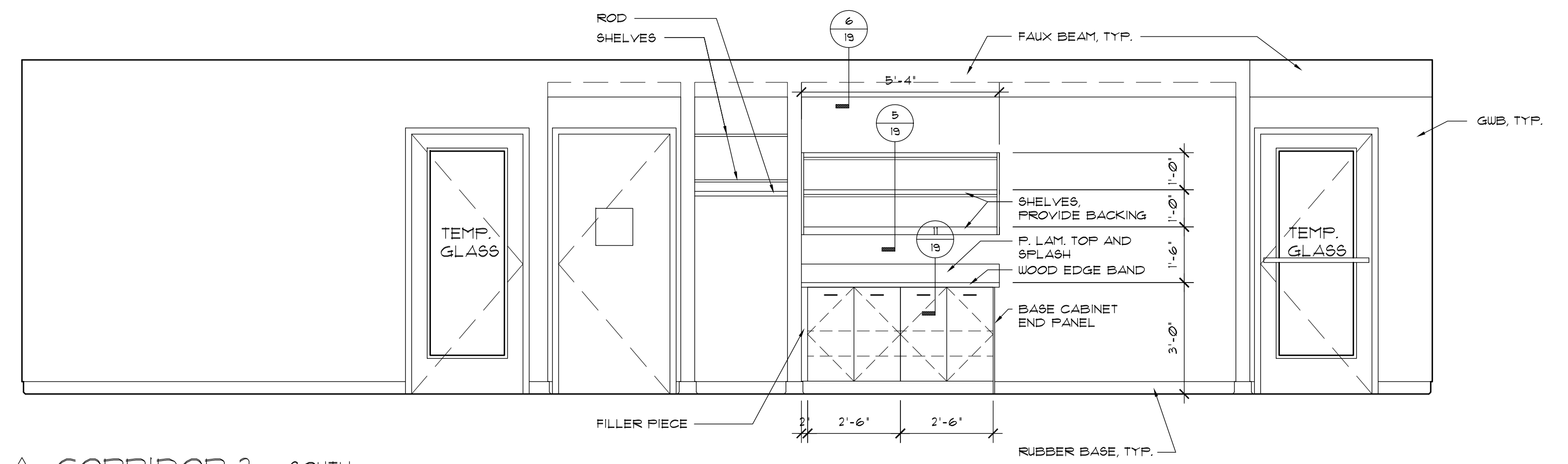
34 MEETING - WEST
3/8" = 1'-0"



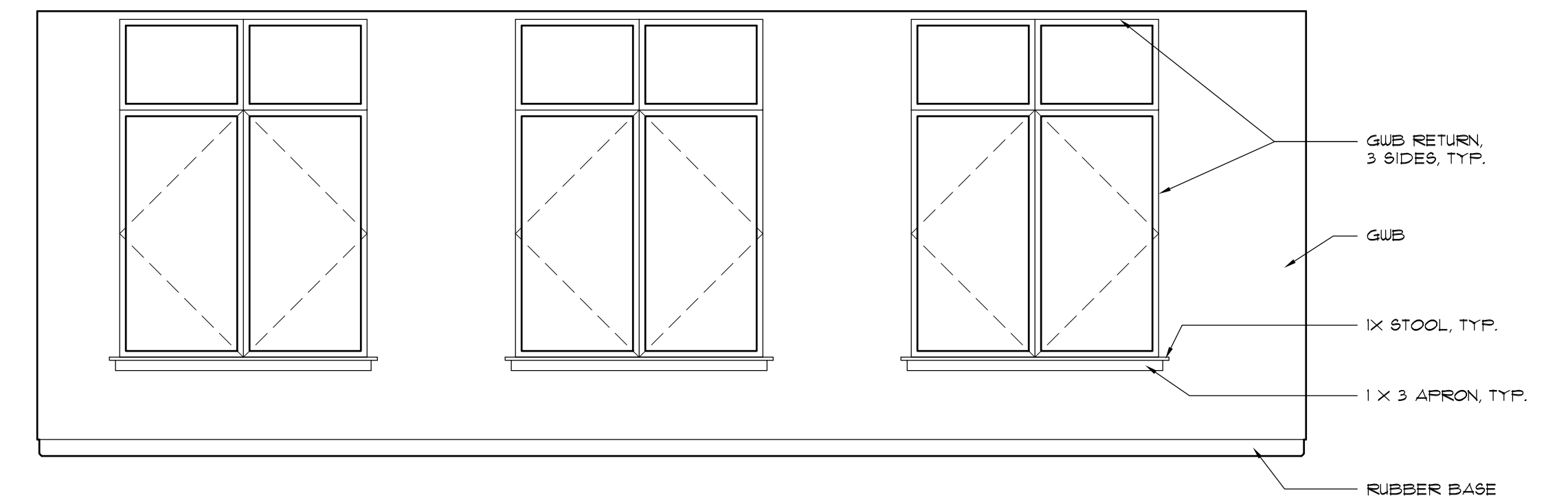
36 MEETING - EAST
3/8" = 1'-0"



29 CORRIDOR 2 - NORTH
3/8" = 1'-0"



31 CORRIDOR 2 - SOUTH
3/8" = 1'-0"



33 MEETING - NORTH
3/8" = 1'-0"



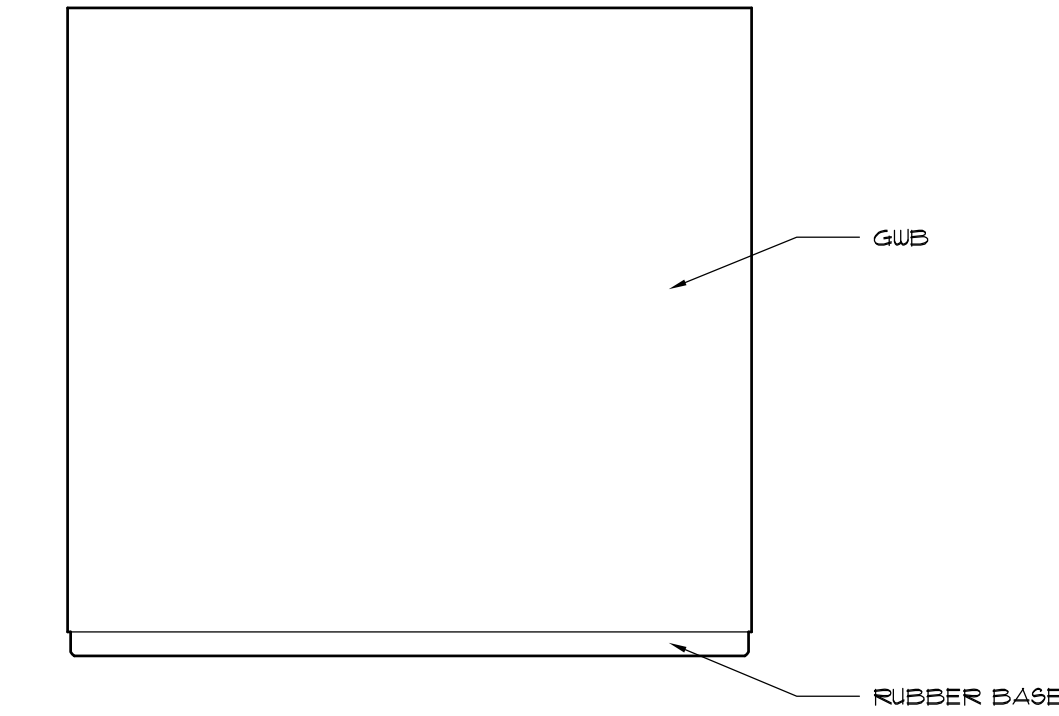
35 MEETING - SOUTH
3/8" = 1'-0"



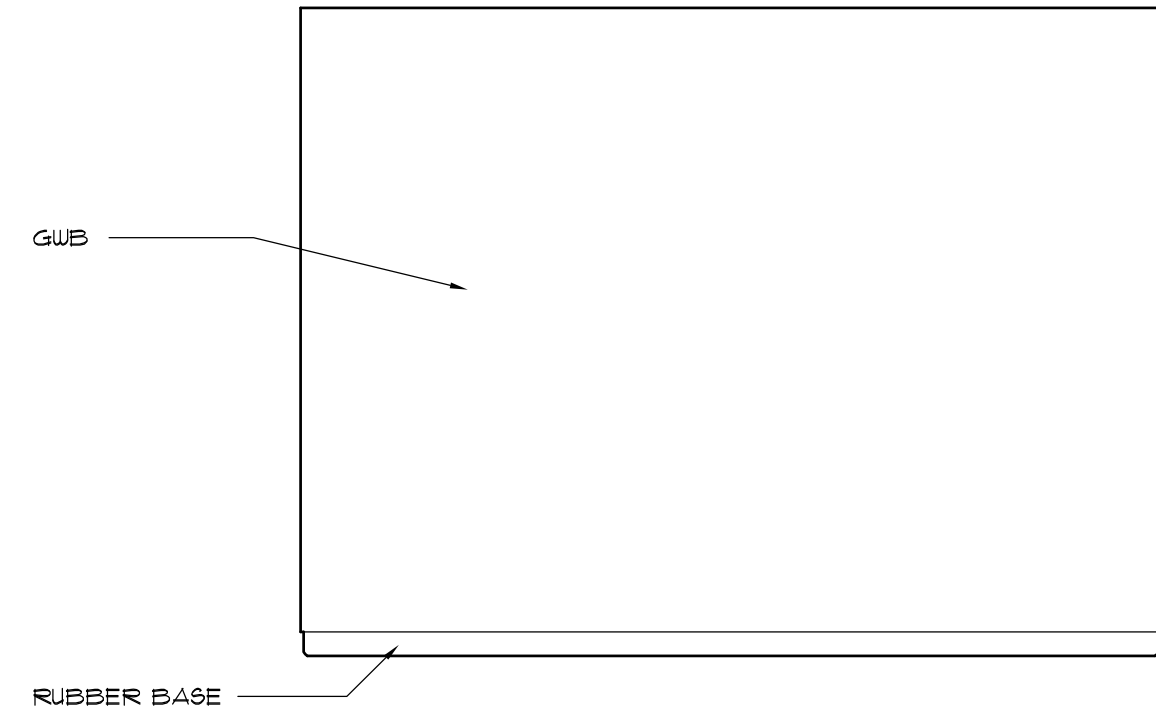
DAVID E. JENSEN, ARCHITECT
103 PACIFIC AVENUE SOUTH
LONG BEACH, WA 98631
WWW.DAVIDJENSENARCHITECT.COM
FAX (360)-642-8636

A NEW OFFICE AND FACILITIES BUILDING FOR:
NORTH BEACH WATER DISTRICT
2212 272ND STREET
OCEAN PARK, WASHINGTON 98640

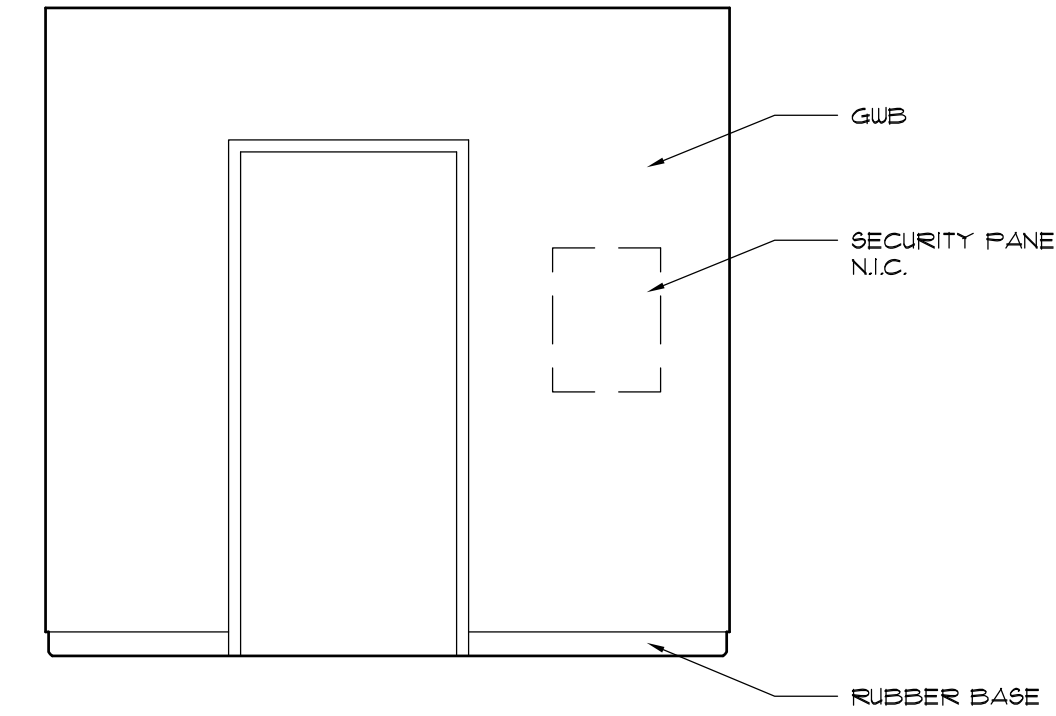
06/01/15	BID / CONSTRUCTION SET
05/21/15	PERMIT SET
06/01/15	PLOT DATE



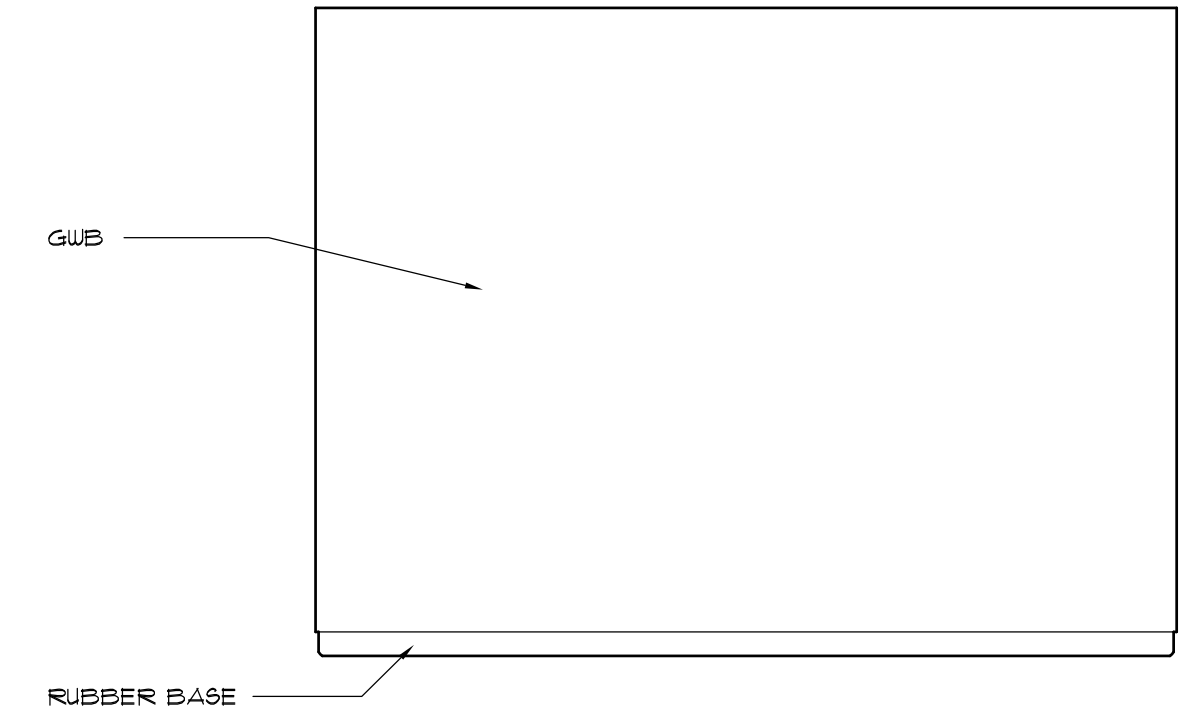
40 FILE STORAGE - EAST
3/8" = 1'-0"



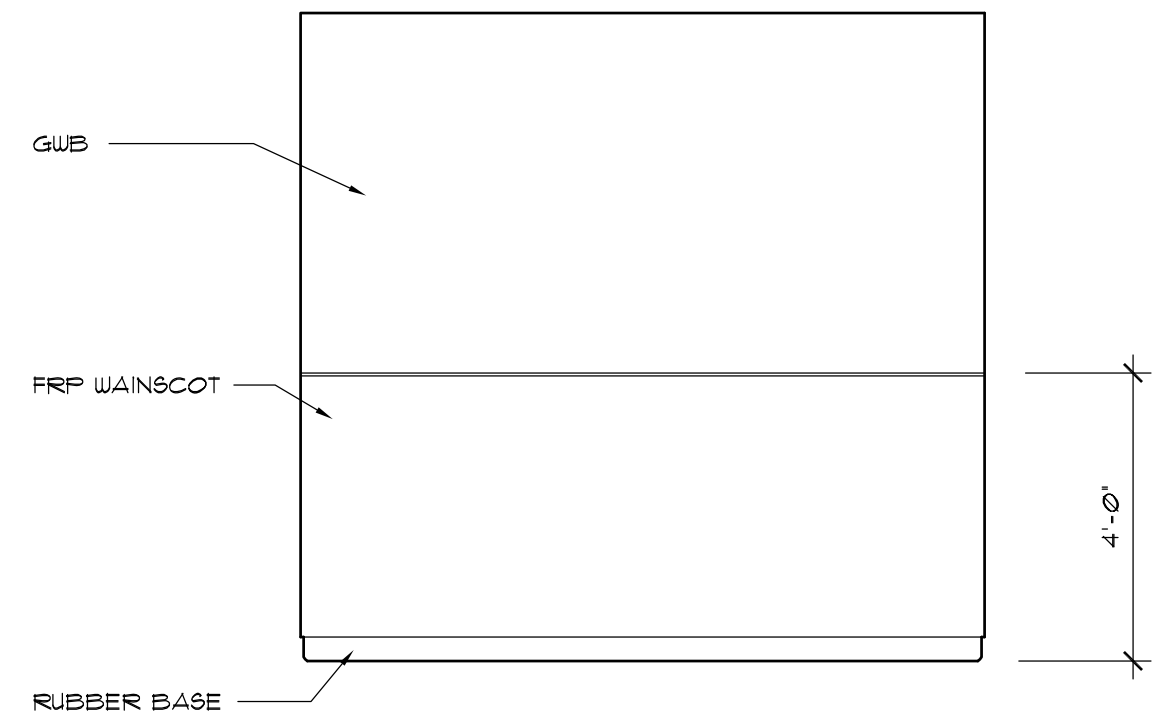
39 FILE STORAGE - SOUTH
3/8" = 1'-0"



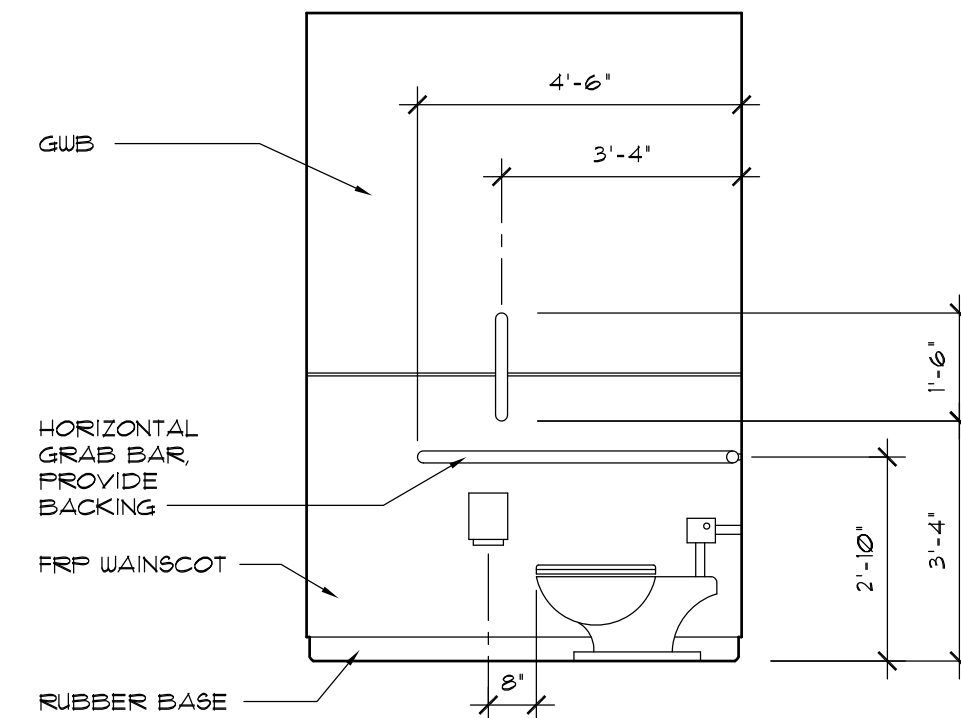
38 FILE STORAGE - WEST
3/8" = 1'-0"



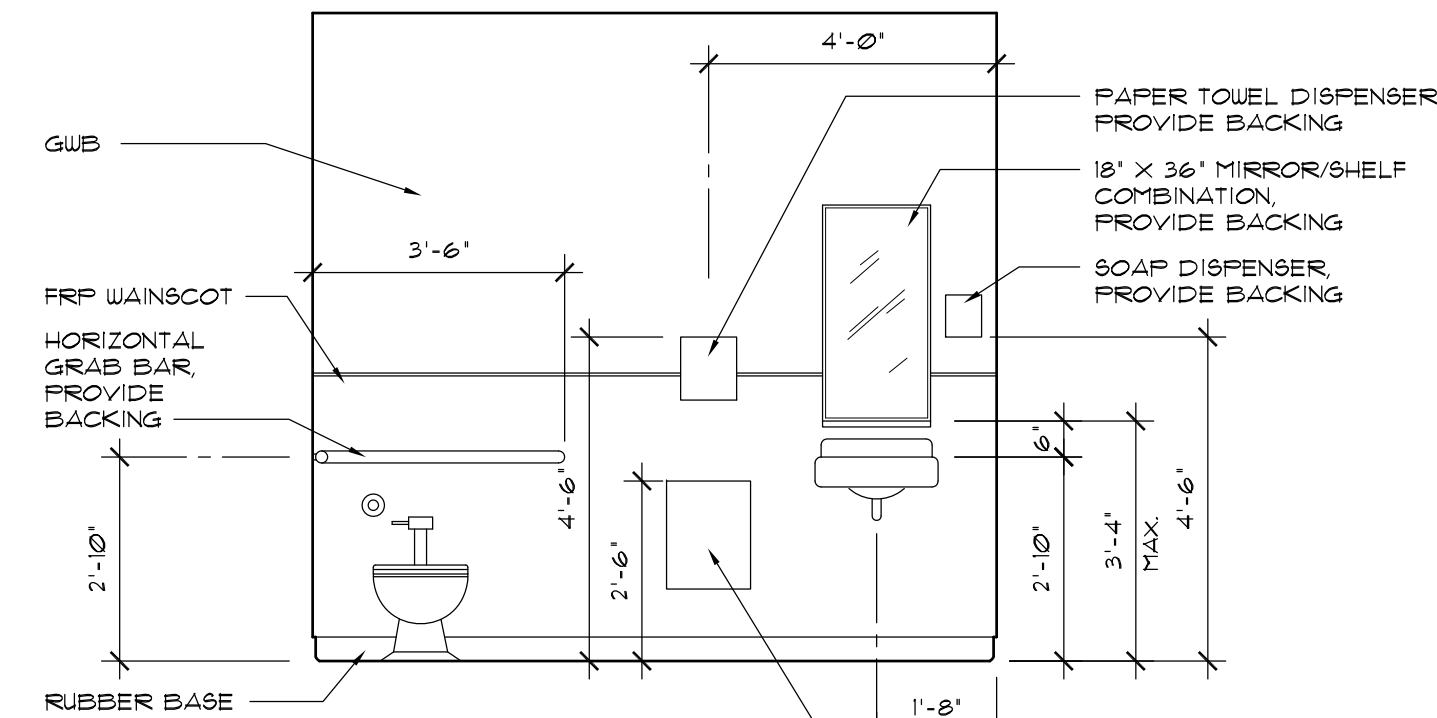
37 FILE STORAGE - NORTH
3/8" = 1'-0"



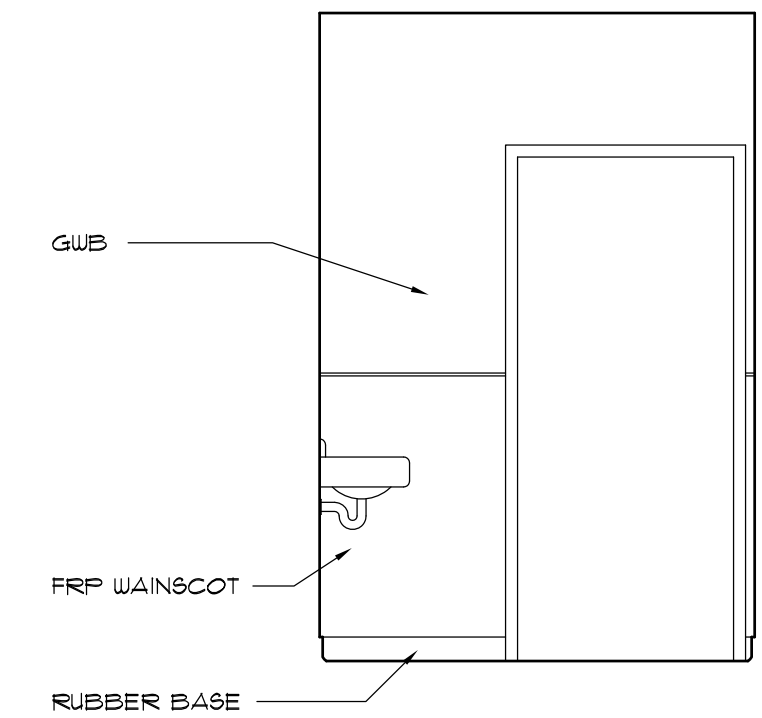
44 TOILET 3 - EAST
3/8" = 1'-0"



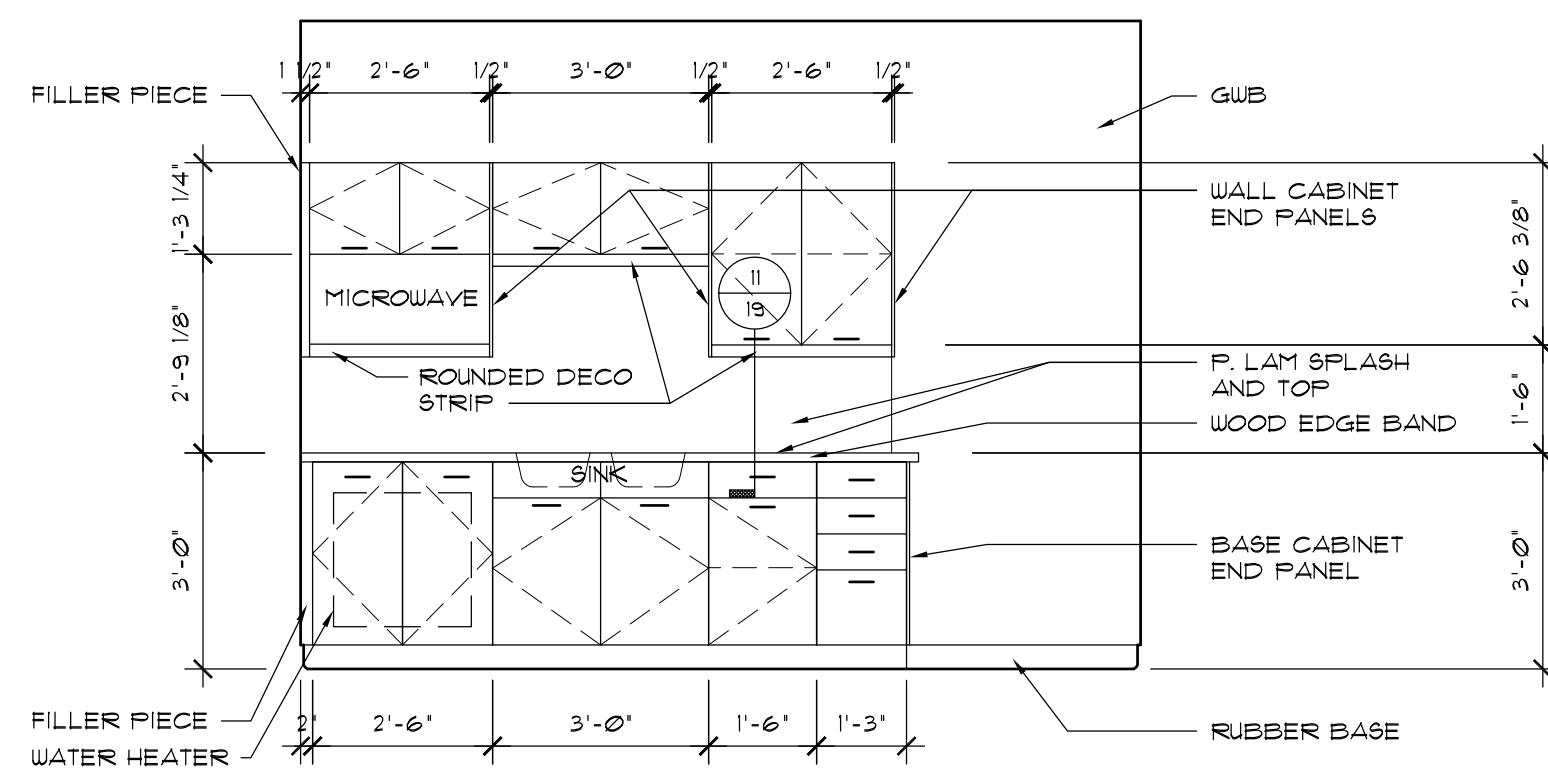
43 TOILET 3 - SOUTH
3/8" = 1'-0"



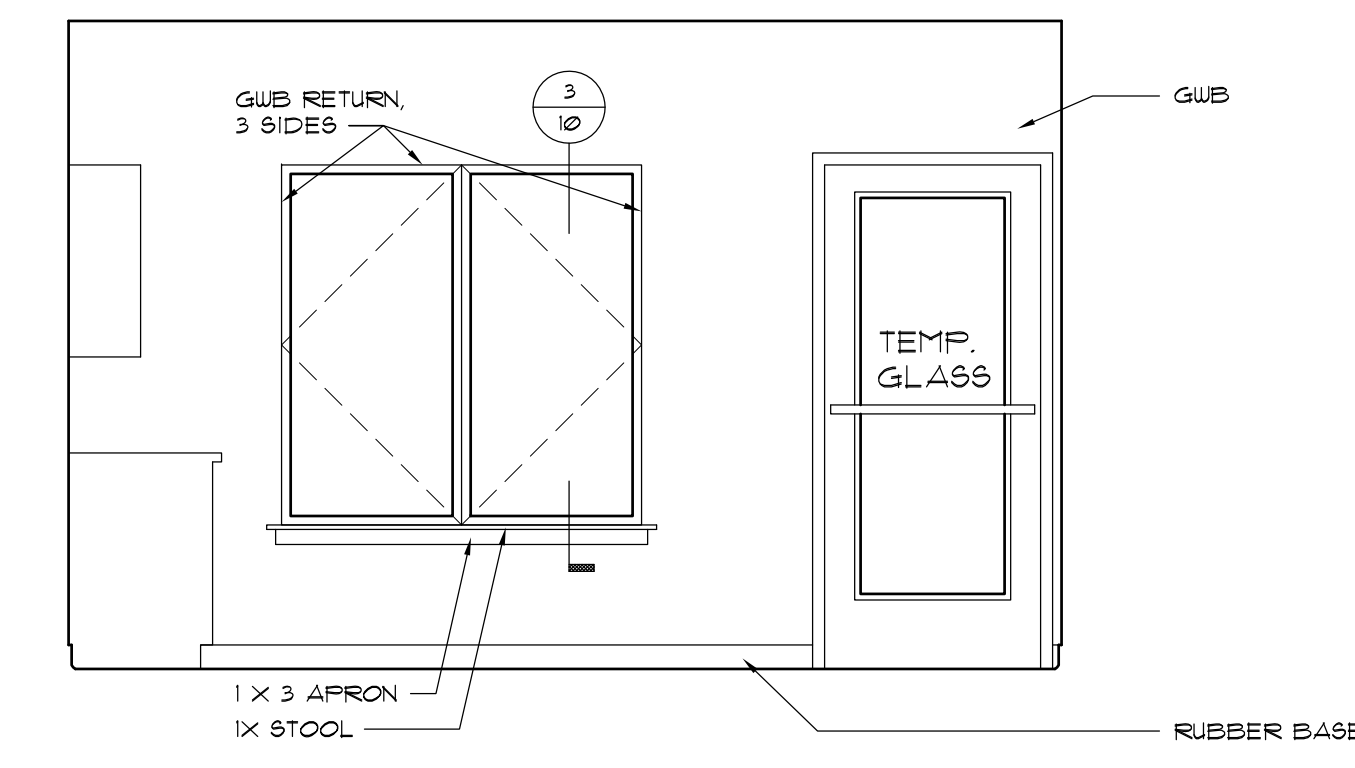
42 TOILET 3 - WEST
3/8" = 1'-0"



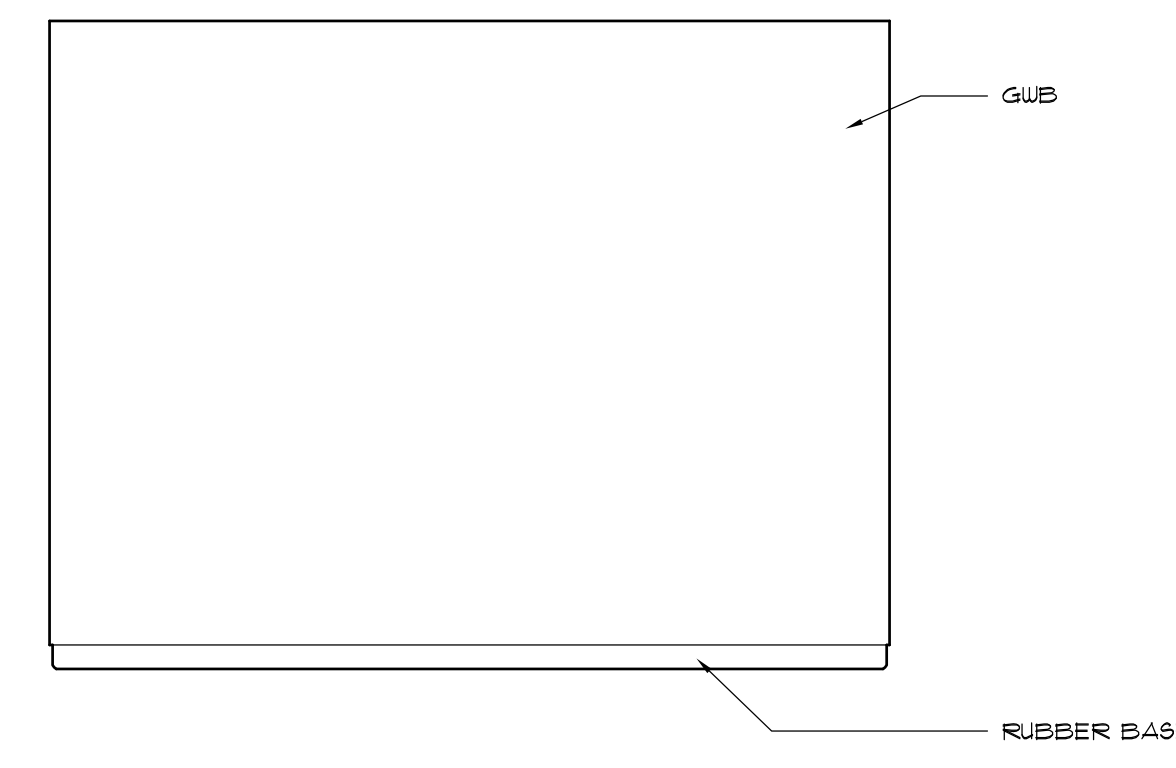
41 TOILET 3 - NORTH
3/8" = 1'-0"



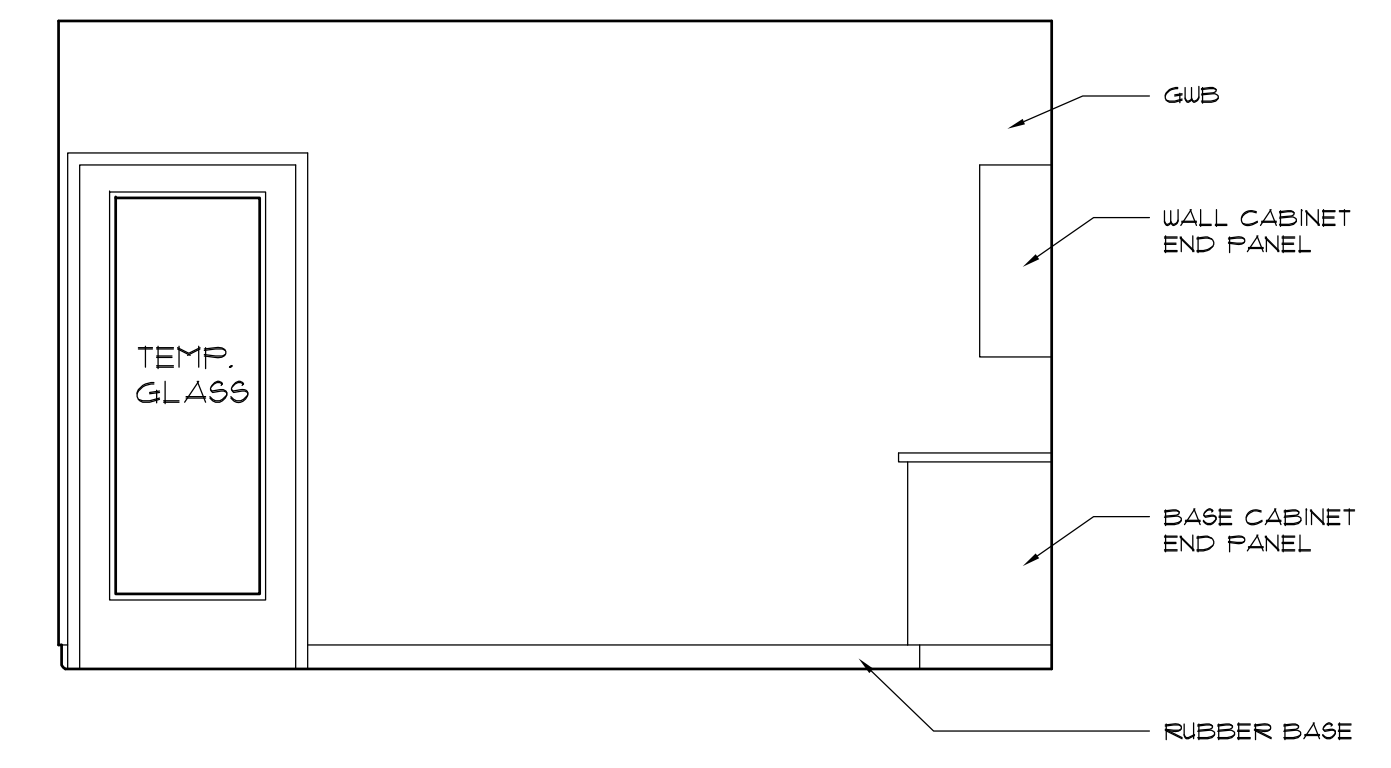
48 LUNCH - EAST
3/8" = 1'-0"



47 LUNCH - SOUTH
3/8" = 1'-0"

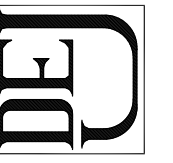


46 LUNCH - WEST
3/8" = 1'-0"

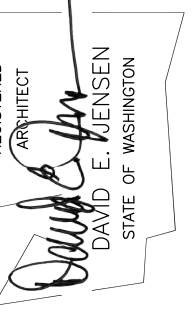


45 LUNCH - NORTH
3/8" = 1'-0"

06/01/15	BID / CONSTRUCTION SET
05/21/15	PERMIT SET
06/01/15	PLOT DATE



DAVID E. JENSEN, ARCHITECT
POST OFFICE BOX 6
LONG BEACH, WA 98631
(360)-642-3507
WWW.DAVIDJENSENARCHITECT.COM



A NEW OFFICE AND FACILITIES BUILDING FOR:
NORTH BEACH WATER DISTRICT
2212 272ND STREET
OCEAN PARK, WASHINGTON 98640



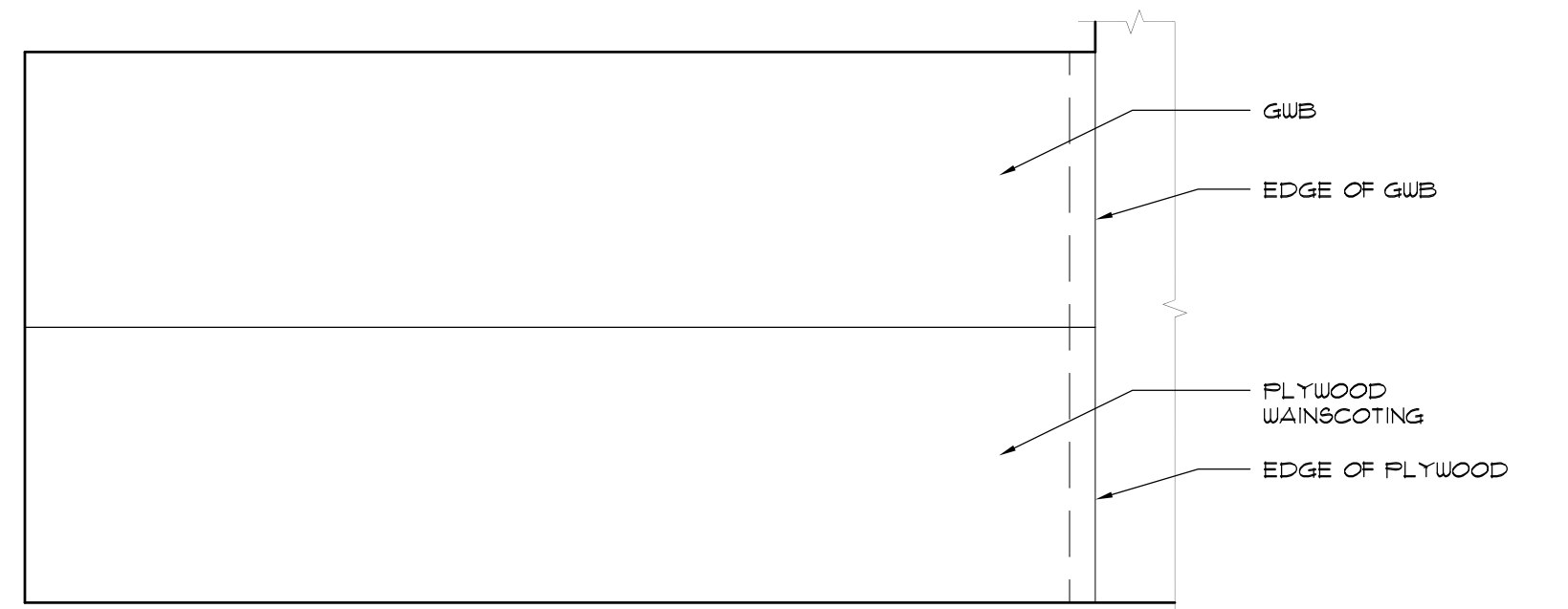
52 PART / SUPPLIES - EAST
3/8" = 1'-0"



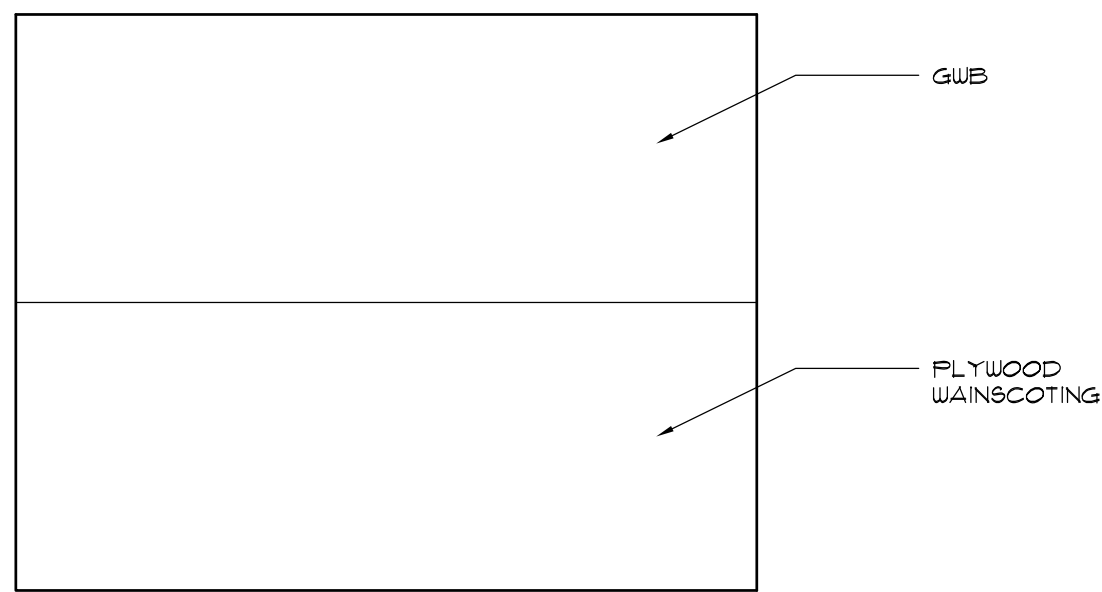
51 PART / SUPPLIES - SOUTH
3/8" = 1'-0"



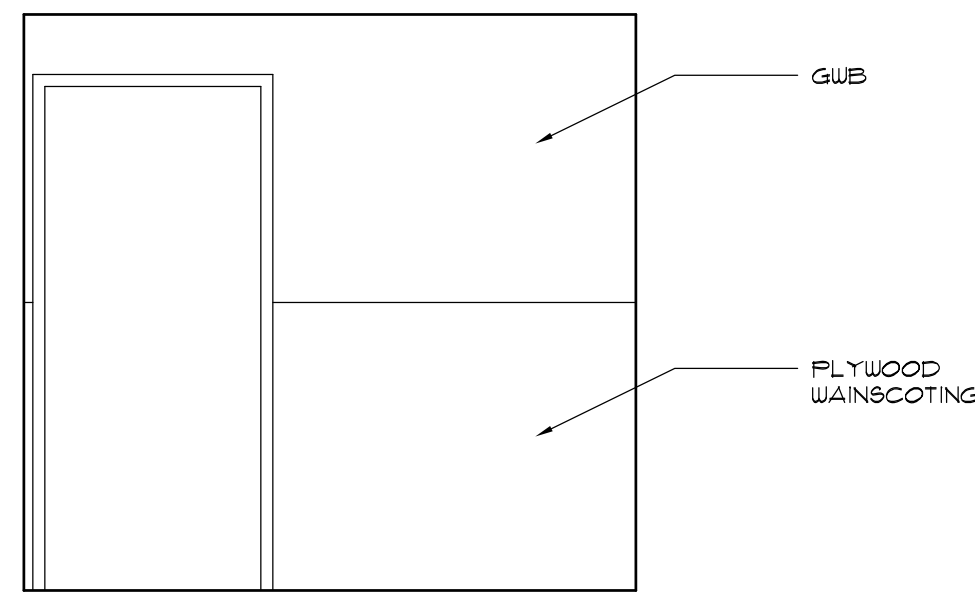
50 PART / SUPPLIES - WEST
3/8" = 1'-0"



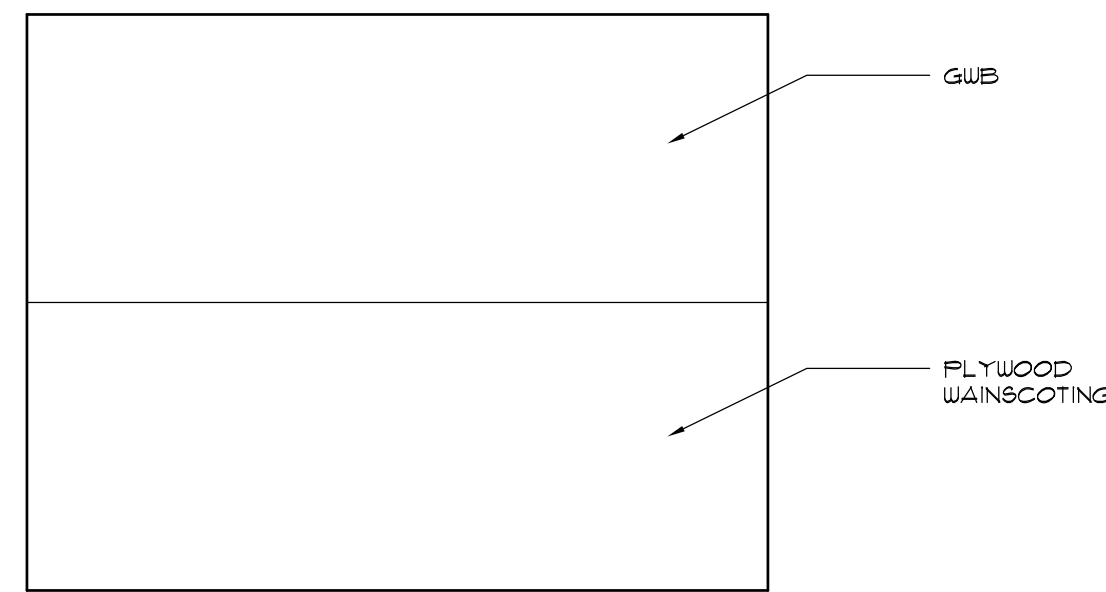
49 PART / SUPPLIES - NORTH
3/8" = 1'-0"



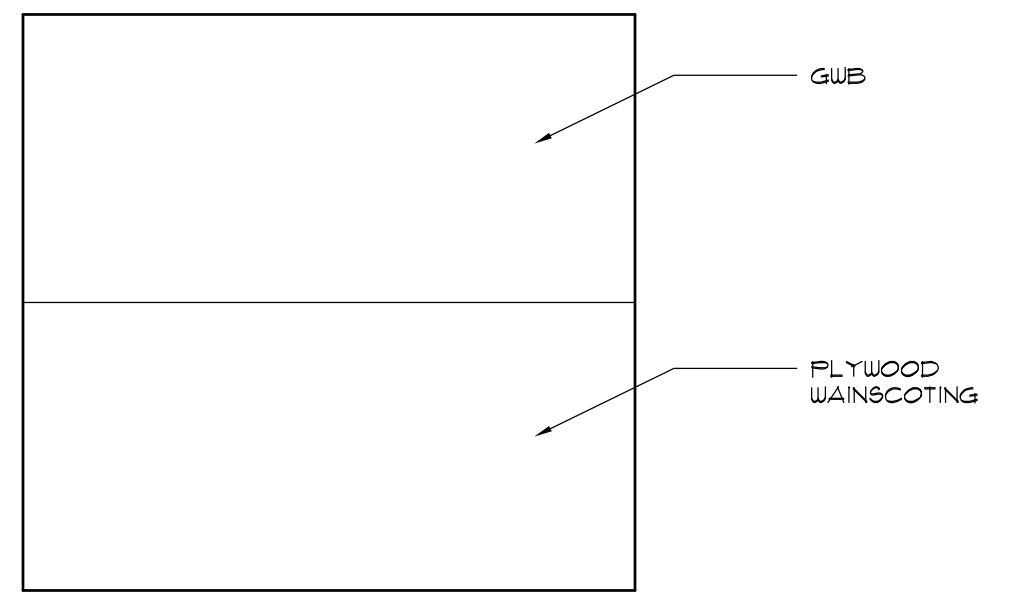
56 MECHANICAL - EAST
3/8" = 1'-0"



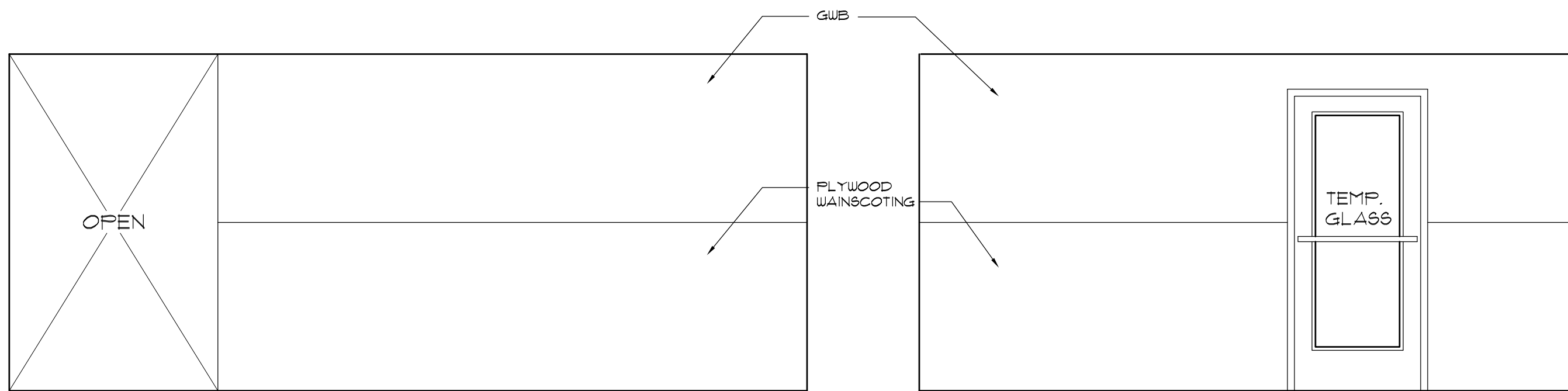
55 MECHANICAL - SOUTH
3/8" = 1'-0"



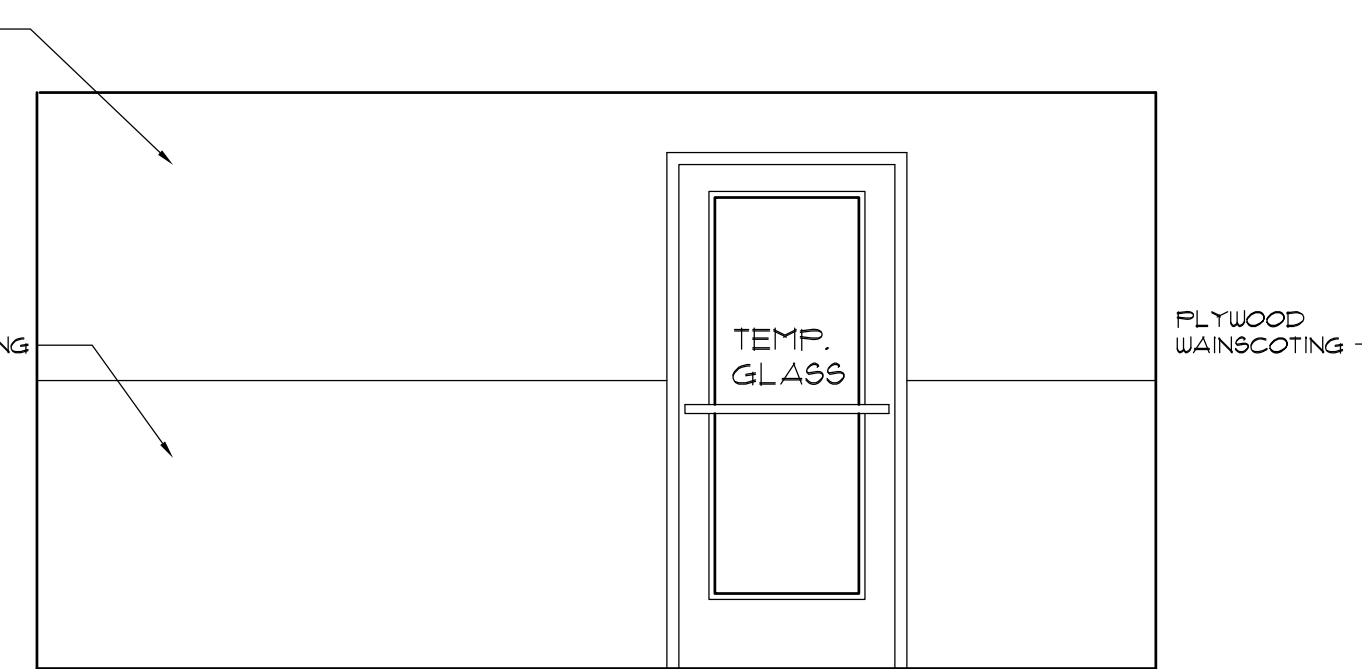
54 MECHANICAL - WEST
3/8" = 1'-0"



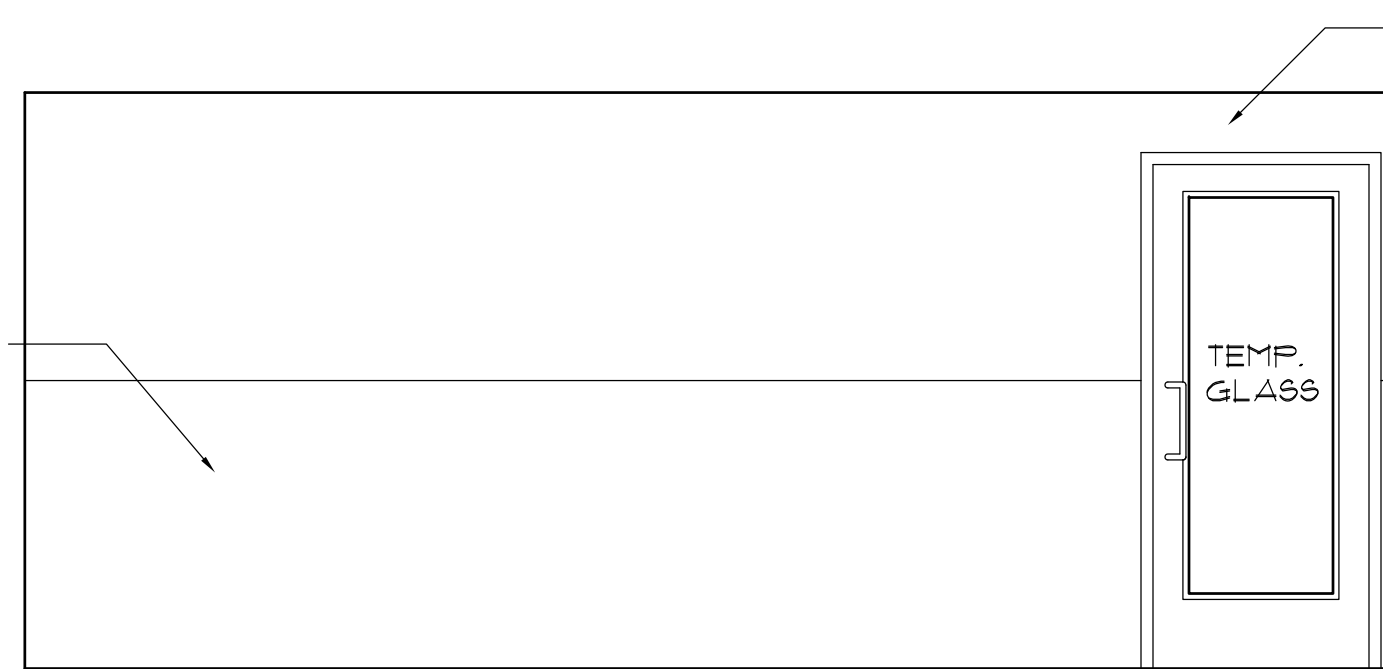
53 MECHANICAL - NORTH
3/8" = 1'-0"



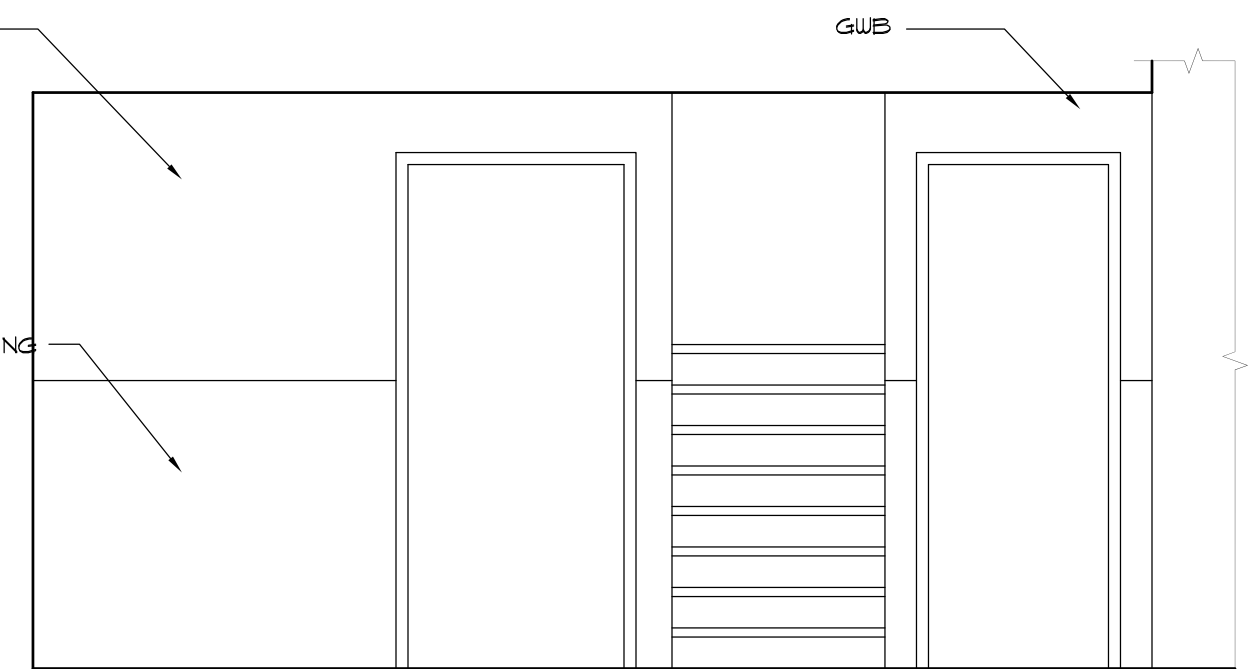
60 CREW - EAST
3/8" = 1'-0"



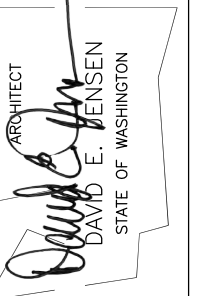
59 CREW - SOUTH
3/8" = 1'-0"



58 CREW - WEST
3/8" = 1'-0"



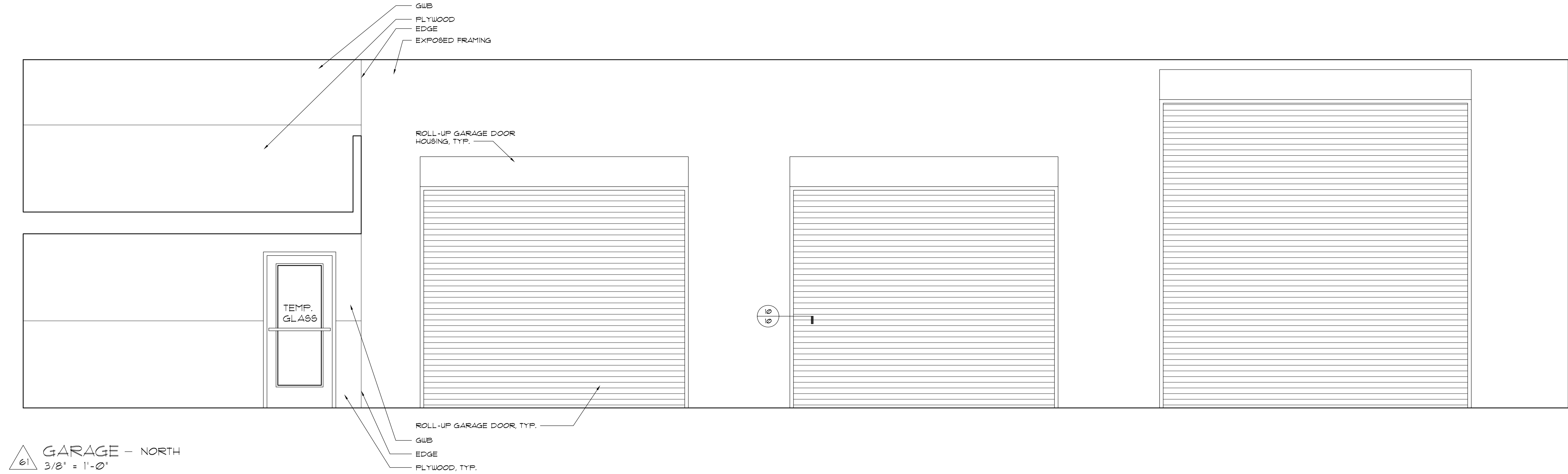
57 CREW - NORTH
3/8" = 1'-0"



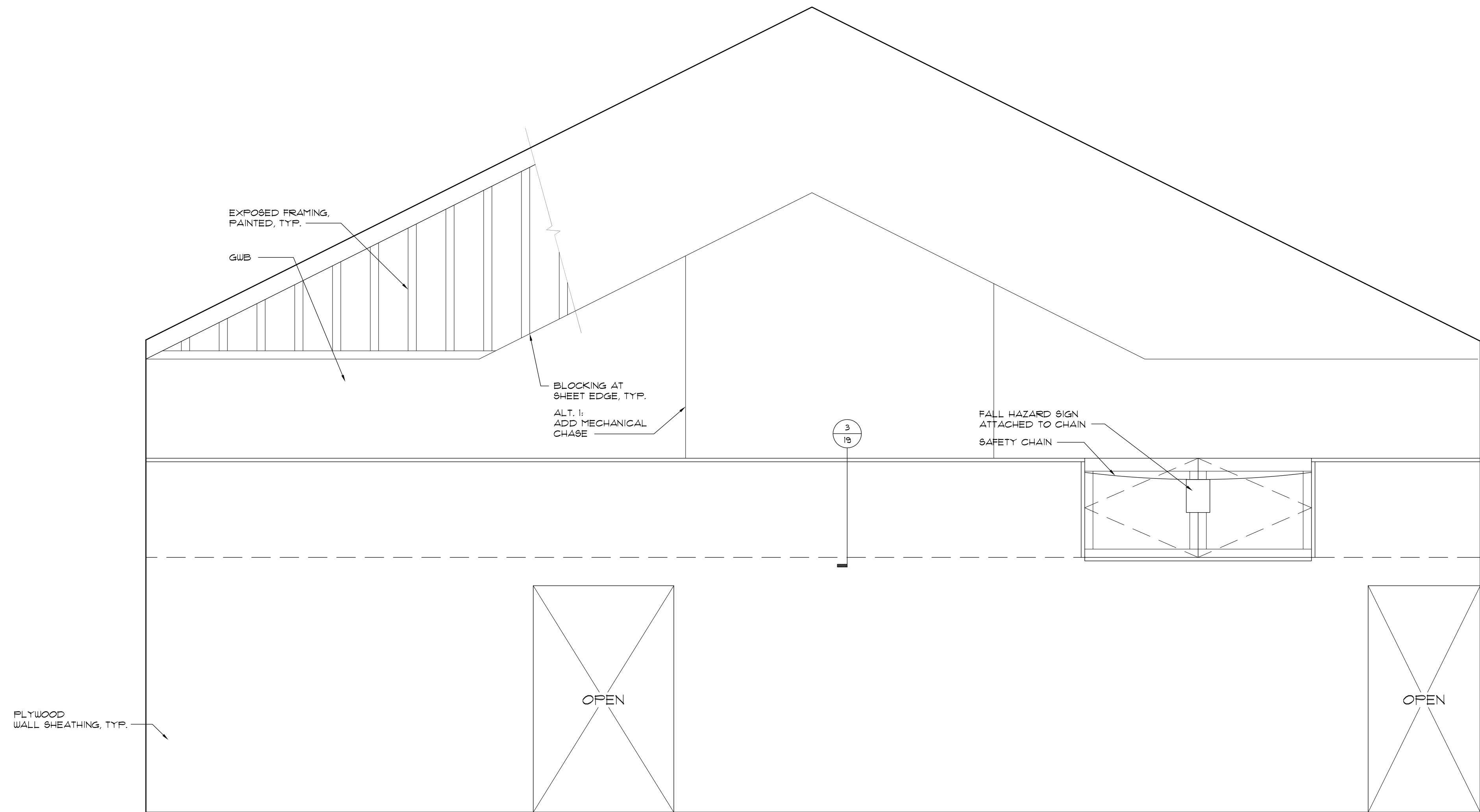
DAVID E. JENSEN, ARCHITECT
POST OFFICE BOX 6
LONG BEACH, WA 98631
(360)-642-3507
WWW.DAVIDJENSENARCHITECT.COM

A NEW OFFICE AND FACILITIES BUILDING FOR:
NORTH BEACH WATER DISTRICT
2212 272ND STREET
OCEAN PARK, WASHINGTON 98640

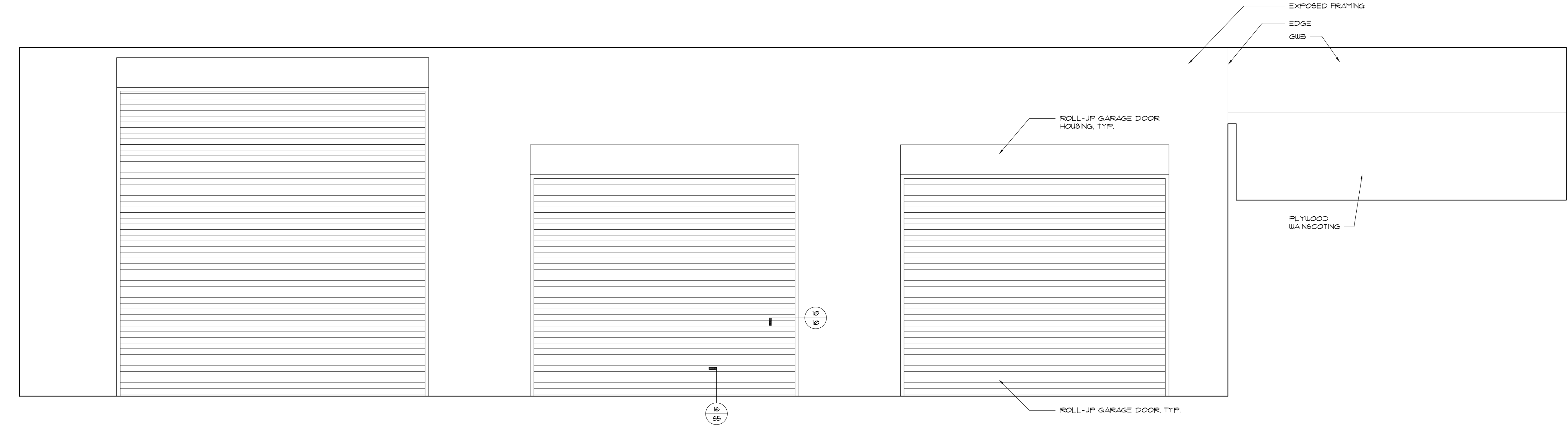
06/01/15	BID / CONSTRUCTION SET
05/21/15	PERMIT SET
06/01/15	PLOT DATE



61 GARAGE - NORTH
3/8" = 1'-0"



62 GARAGE - WEST
3/8" = 1'-0"

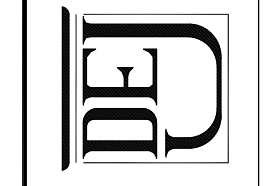


63 GARAGE - SOUTH
3/8" = 1'-0"

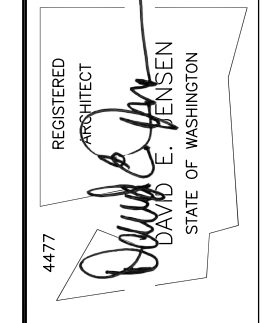


64 GARAGE - EAST
3/8" = 1'-0"

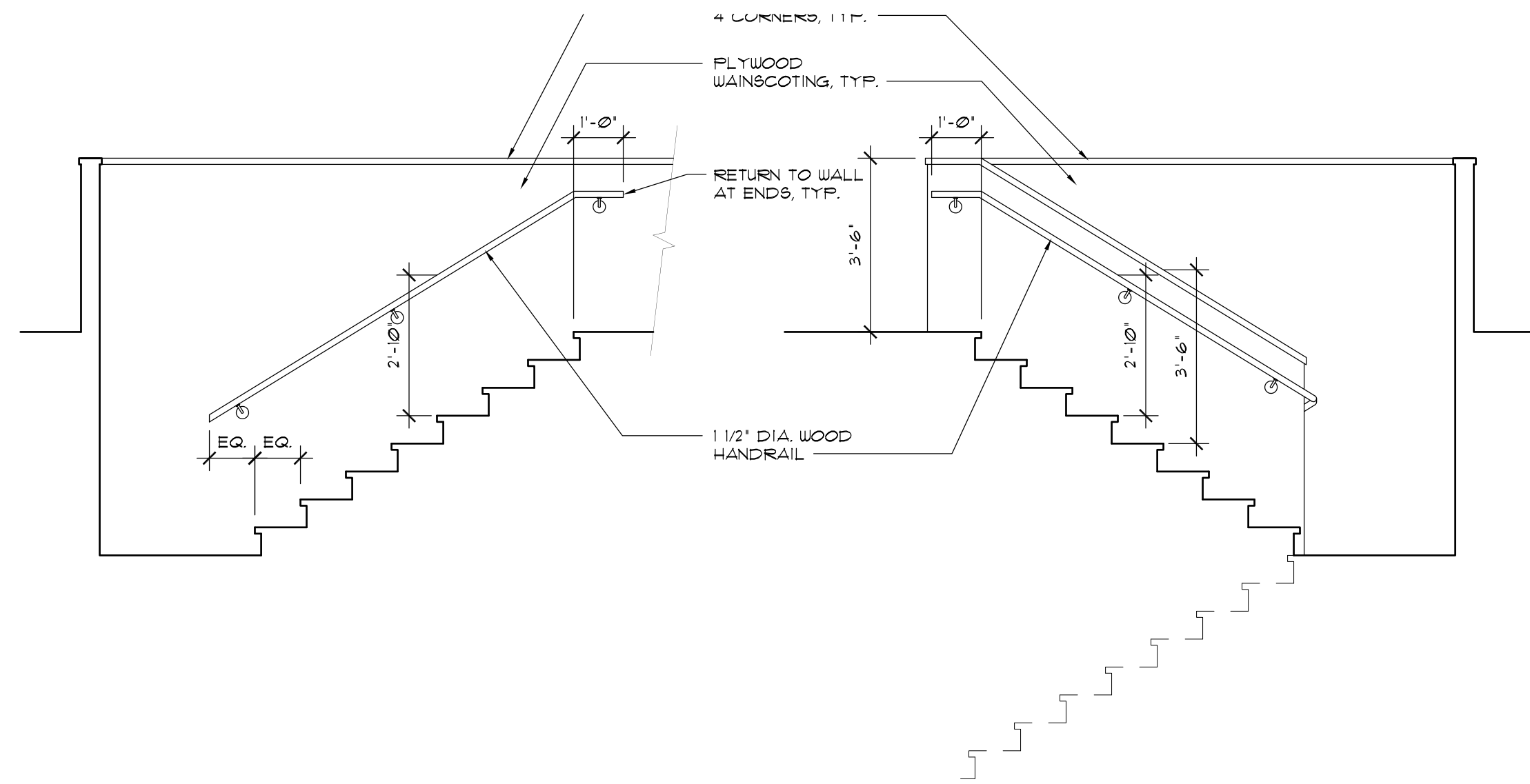
06/01/15	BID / CONSTRUCTION SET
05/21/15	PERMIT SET
06/01/15	PLOT DATE



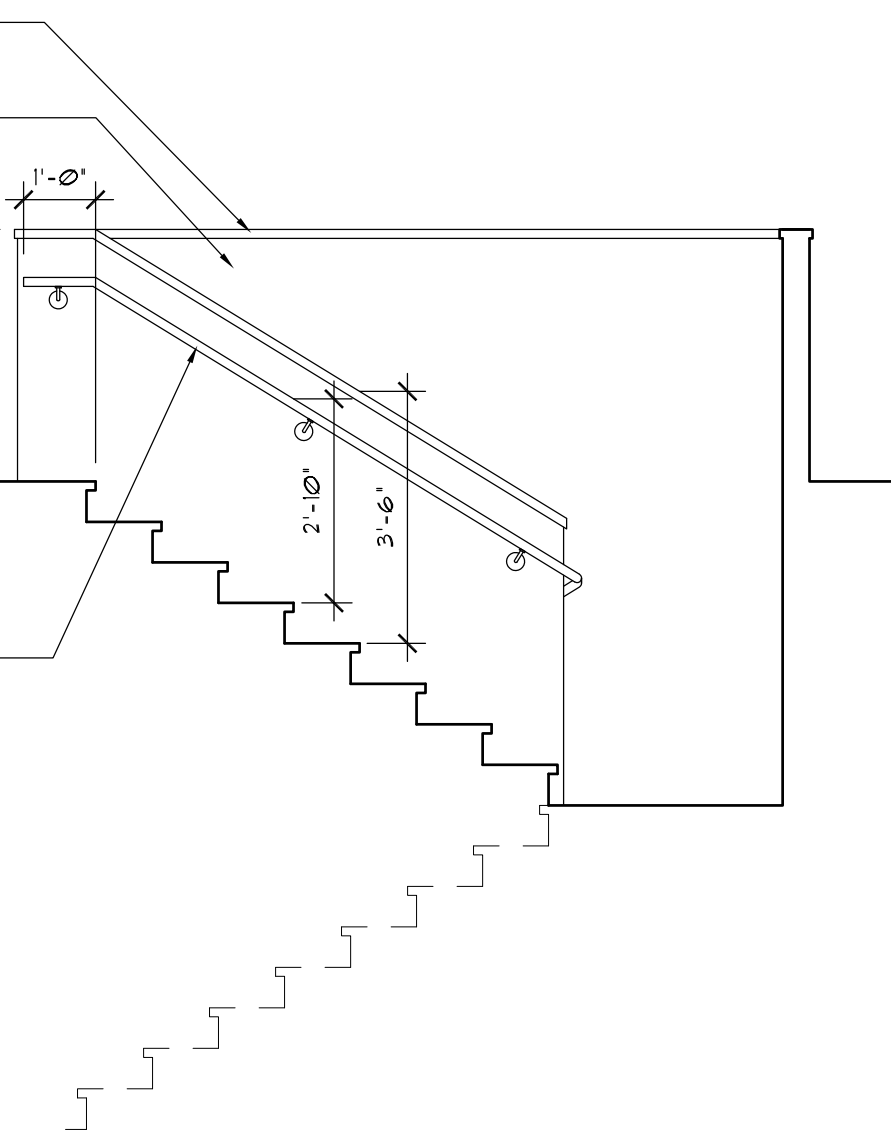
DAVID E. JENSEN, ARCHITECT
103 PACIFIC AVENUE SOUTH
LONG BEACH, WA 98631
WWW.DAVIDJENSENARCHITECT.COM
FAX (360)-642-8636



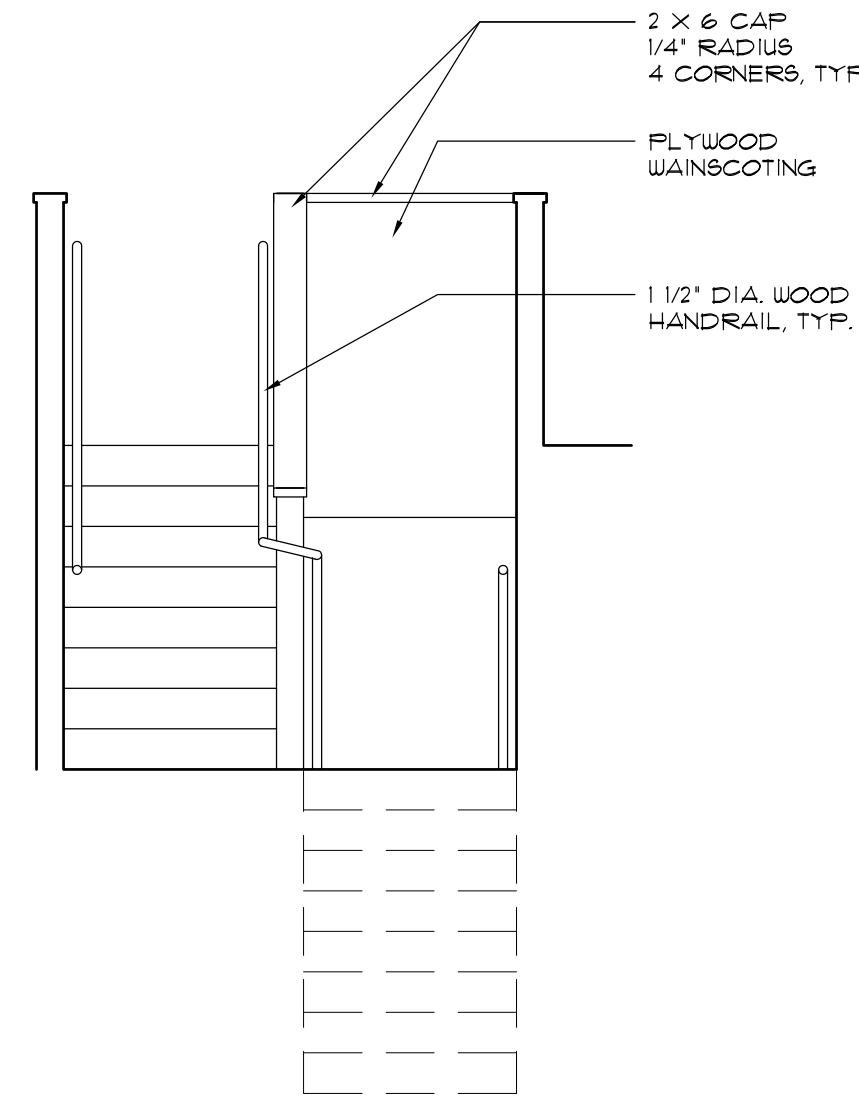
A NEW OFFICE AND FACILITIES BUILDING FOR:
NORTH BEACH WATER DISTRICT
2212 272ND STREET
OCEAN PARK, WASHINGTON 98640



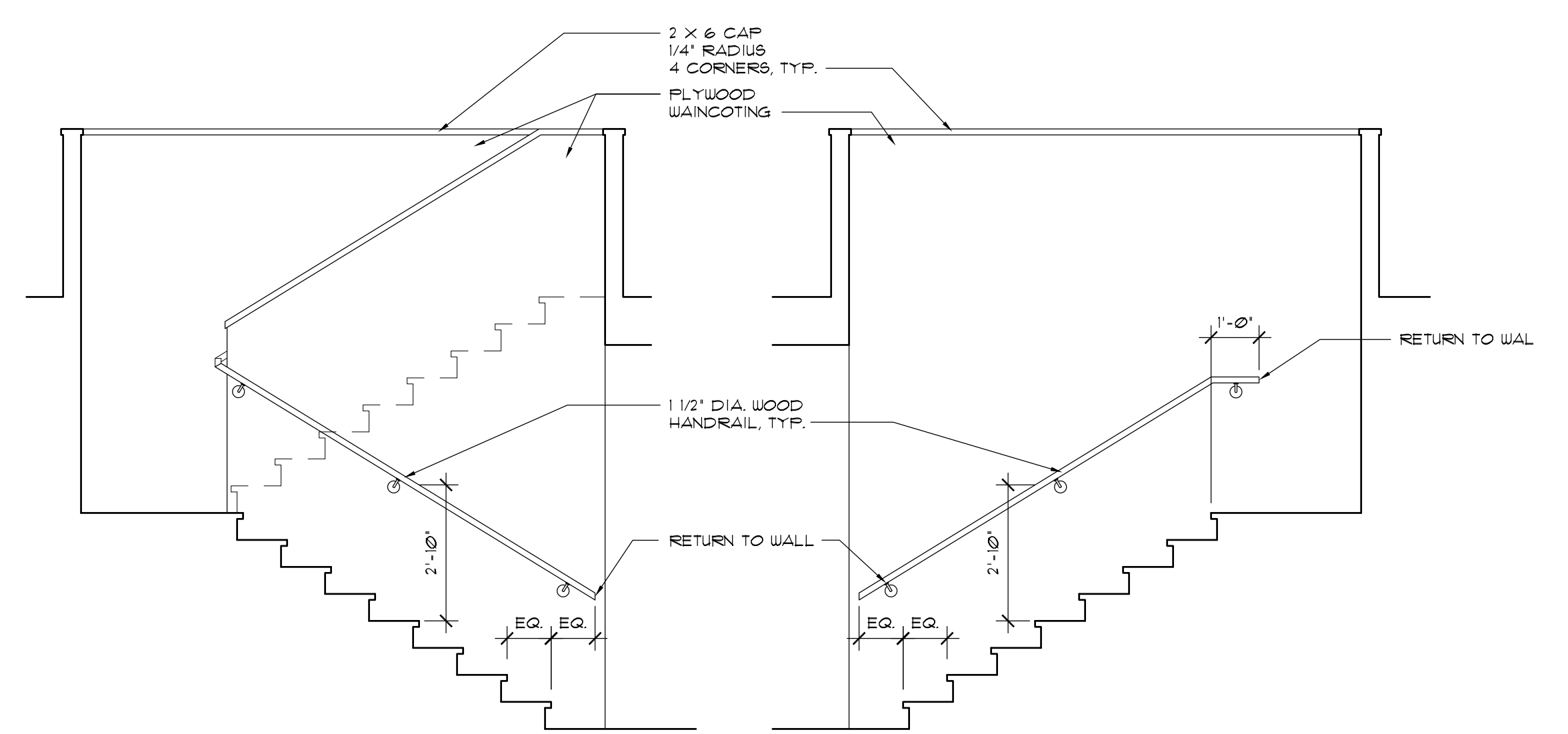
63 STAIRWAY - EAST
3/8" = 1'-0"



62 STAIRWAY - WEST
3/8" = 1'-0"

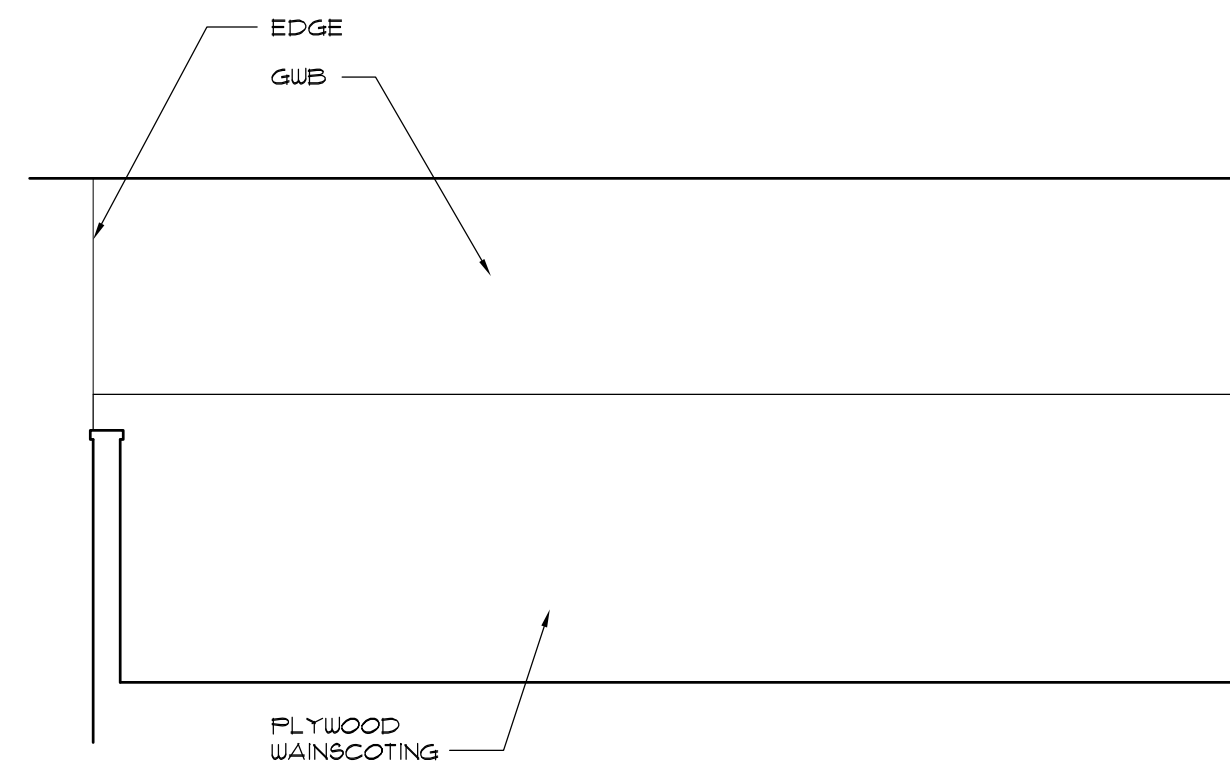


67 STAIRWAY - SOUTH
3/8" = 1'-0"

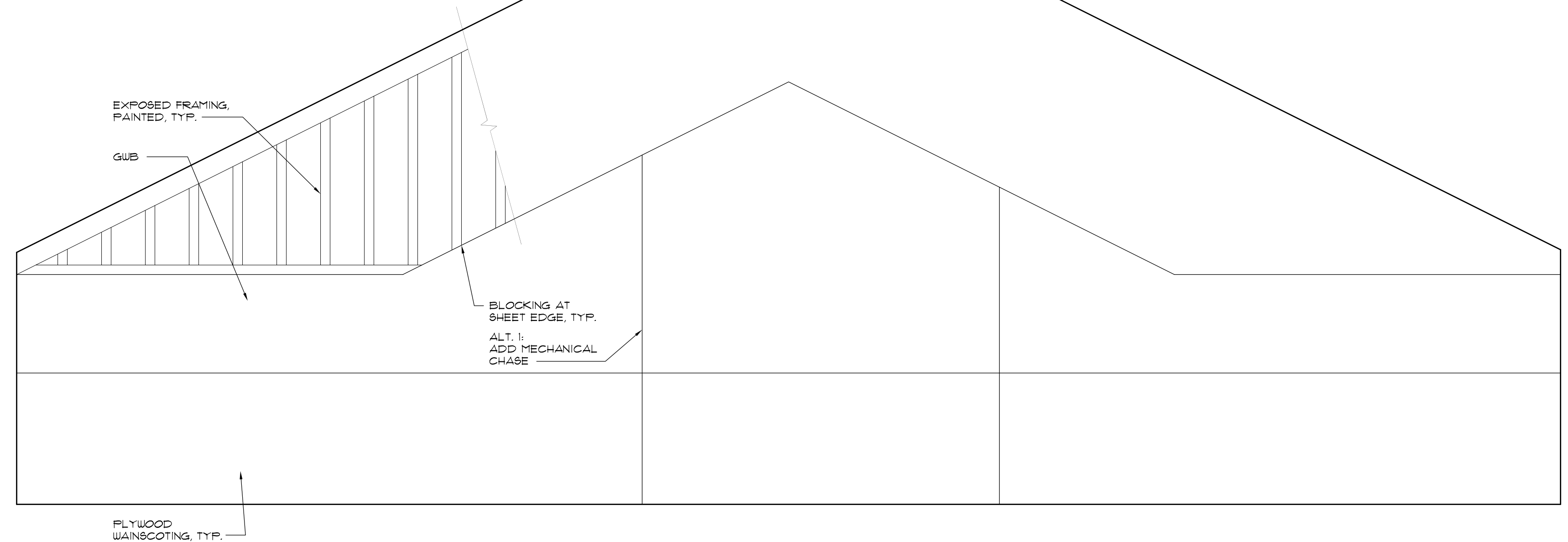


66 STAIRWAY - EAST
3/8" = 1'-0"

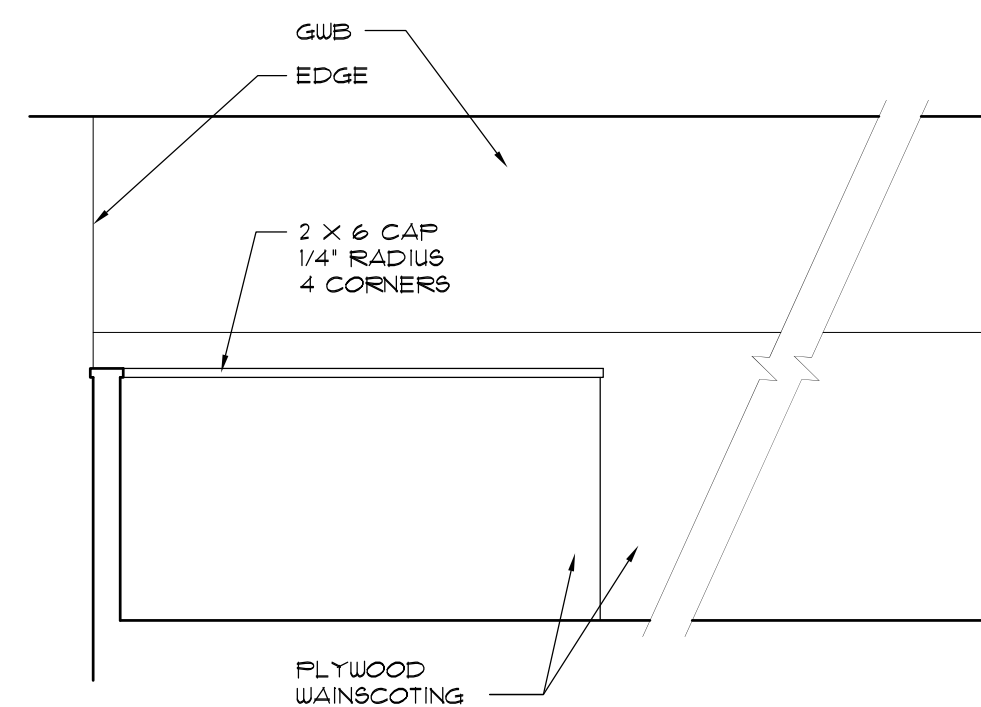
65 STAIRWAY - WEST
3/8" = 1'-0"



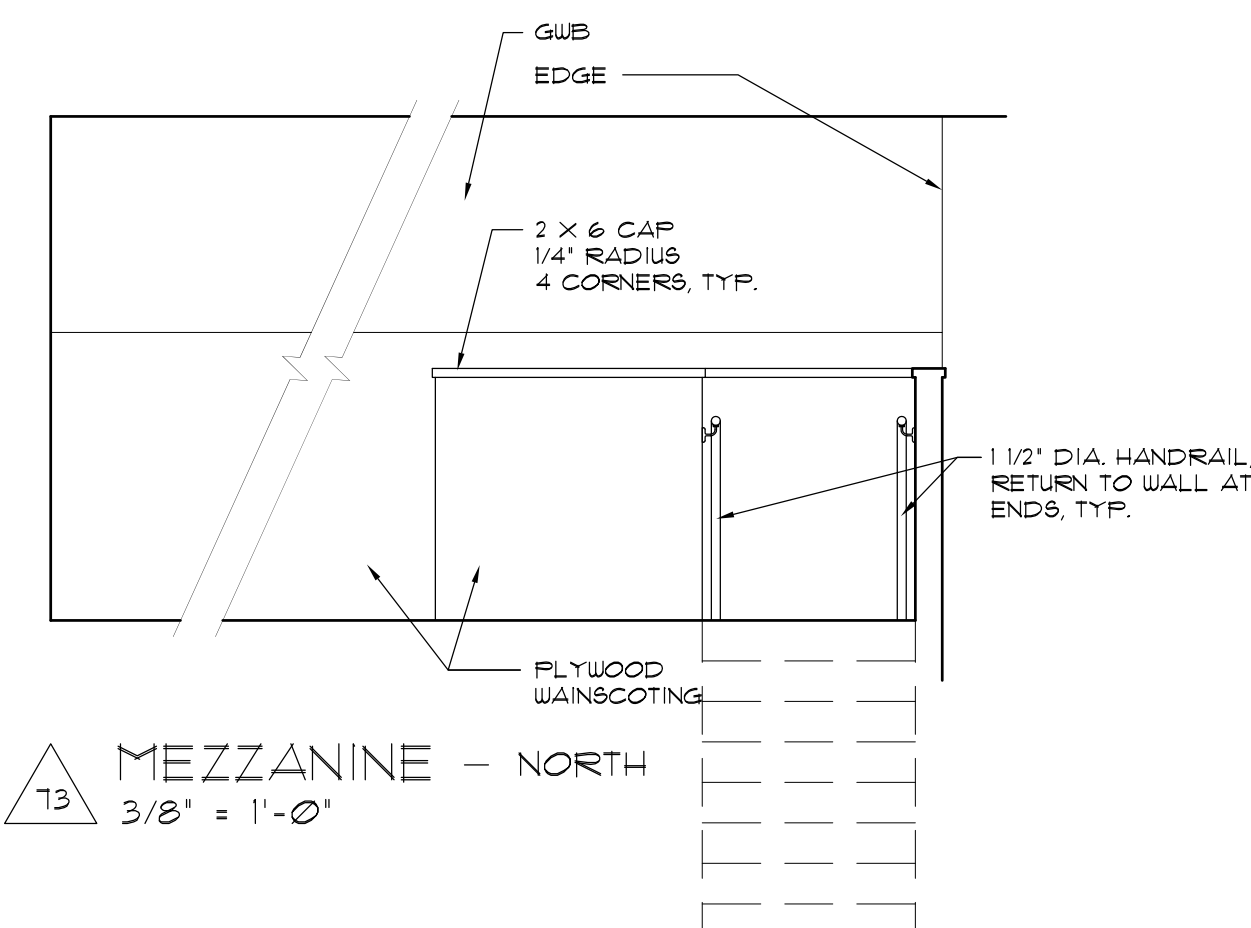
71 MEZZANINE - SOUTH
3/8" = 1'-0"



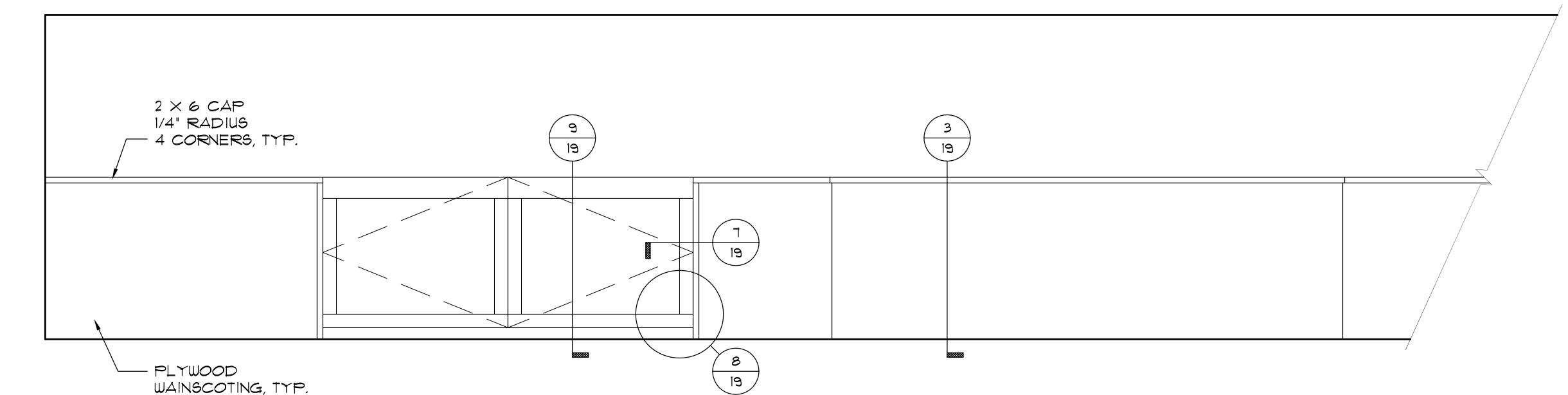
70 MEZZANINE - WEST
3/8" = 1'-0"



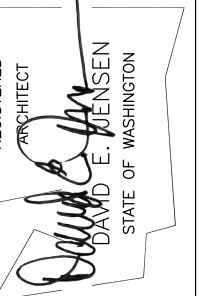
74 MEZZANINE - SOUTH
3/8" = 1'-0"



73 MEZZANINE - NORTH
3/8" = 1'-0"



72 MEZZANINE - EAST
3/8" = 1'-0"



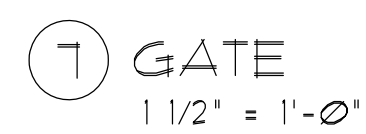
DAVID E. JENSEN, ARCHITECT
POST OFFICE BOX 6
LONG BEACH, WA 98631
(360)-642-3507
WWW.DAVIDJENSENARCHITECT.COM

06/01/15	BID / CONSTRUCTION SET
05/21/15	PERMIT SET
06/01/15	PLOT DATE

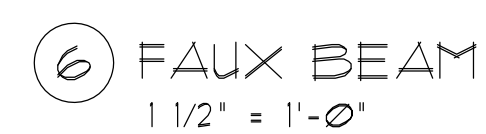
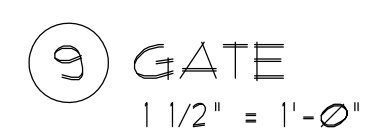
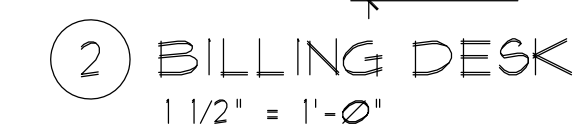
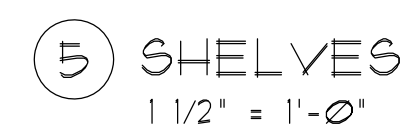
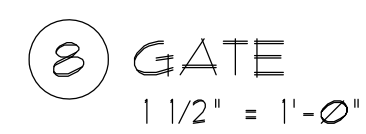
A NEW OFFICE AND FACILITIES BUILDING FOR:
NORTH BEACH WATER DISTRICT
2212 272ND STREET
OCEAN PARK, WASHINGTON 98640



10 SOUND CONTROL WALL
1 1/2" = 1'-0"



① ENTRY DOOR @ CREW / CORRIDOR
1 1/2" = 1'-0"



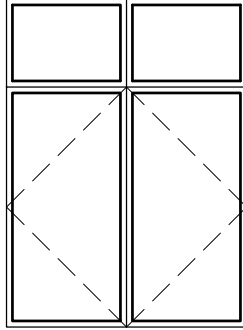
WINDOW SCHEDULE				
NO.	SPACE	TYPE	OPER	REMARKS
1	MEETING	A		
2	MEETING	A		
3	MEETING	A		
4	LOBBY	B		
5	OFFICE 1	B		
6	OFFICE 2	B		
7	OFFICE 3	B		
8	OFFICE 3	B		
9	LUNCH	B		
10	GARAGE	C		
11	GARAGE	C		
12	GARAGE	C		

DOOR SCHEDULE				
NO.	SPACE	TYPE	HUE GRP.	REMARKS
1	LOBBY	A		
2	TOILET 1	E		
3	TOILET 2	E		
4	LOBBY	E		
5	LOBBY	E		
6	OFFICE 1	D		
7	OFFICE 2	D		
8	OFFICE 3	D		
9	CORRIDOR 1	B		
10	FILE STORAGE	D		
11	MEETING	E		
12	TOILET 3	E		
13	LUNCH	D		
14	LUNCH	B		
15	CORRIDOR 2	D		
16	PARTS / SUPPLIES	B		
17	MECHANICAL	D		
18	STORAGE	C		
19	CREW	B		
20	GARAGE	F		

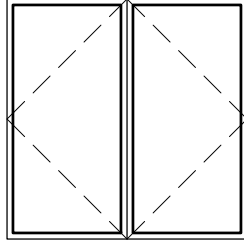
NO.	SPACE	TYPE	HUE GRP.	REMARKS
21	GARAGE	F		
22	GARAGE	G		
23	GARAGE	F		
24	GARAGE	F		
25	GARAGE	G		
26	MEZZANINE	E		

SPACE FINISH SCHEDULE																
NO.	SPACE	FLOOR		WAINSCOT		WALLS		CEILING		BASE		TRIM		CABINETRY		REMARKS
		MAT'L	FIN.	MAT'L	FIN.	MAT'L	FIN.	MAT'L	FIN.	MAT'L	FIN.	MAT'L	FIN.	MAT'L	FIN.	
101	TOILET 1	VINYL	FRP	FRP		GWB	P	GWB	P	RUBBER						
102	TOILET 2	VINYL	FRP	FRP		GWB	P	GWB	P	RUBBER						
103	OFFICE 1	CARP.				GWB	P	ACT	MFR.	RUBBER		WOOD	S & V			
104	OFFICE 2	CARP.				GWB	P	ACT	MFR.	RUBBER		WOOD	S & V			
105	OFFICE 3	CARP.				GWB	P	ACT	MFR.	RUBBER		WOOD	S & V			
106	LOBBY	VINYL				GWB	P	ACT	MFR.	RUBBER		WOOD	S & V			
107	BILLING	CARP.				GWB	P	ACT	MFR.	RUBBER				WOOD	MFR.	
108	CORRIDOR 1	CARP. / WOOD / CARP.				GWB	P	ACT	MFR.	RUBBER						
109	CORRIDOR 2	WOOD / CARP.				GWB	P	ACT	MFR.	RUBBER						
110	MEETING	CARP.				GWB	P	ACT	MFR.	RUBBER		WOOD	S & V			
111	FILE STORAGE	VINYL				GWB	P	ACT	MFR.	RUBBER						
112	TOILET 3	VINYL	FRP			GWB	P	GWB	P	RUBBER						
113	LUNCH	VINYL				GWB	P	ACT	MFR.	RUBBER		WOOD	S & V	WOOD	MFR.	
201	PARTS / SUPPLIES	CONC.	SEAL	PLYWD.	P	GWB	P	GWB	P							
202	MECHANICAL	CONC.	SEAL	PLYWD.	P	GWB	P	GWB	P							
203	CREW	CONC.	SEAL	PLYWD.	P	GWB	P	GWB	P							
204	GARAGE	CONC.	SEAL	PLYWD.	P											PRIMER EXPOSED STUDS, TRUSSES AND SHEATHING
205	STORAGE	CONC.	SEAL	PLYWD.	P	GWB	P	GWB	P							
206	STAIRWAY	CONC.	SEAL	PLYWD.	P	GWB	P									PRIMER EXPOSED STUDS, TRUSSES AND SHEATHING
207	MEZZANINE	CONC.	SEAL	PLYWD.	P											PRIMER EXPOSED STUDS, TRUSSES AND SHEATHING

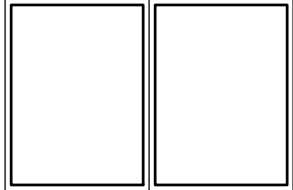
WINDOW TYPES



A 5'-0" x 1'-8" (TOP) VINYL FIXED
5'-0" x 5'-0" (BOTTOM) VINYL CASEMENT

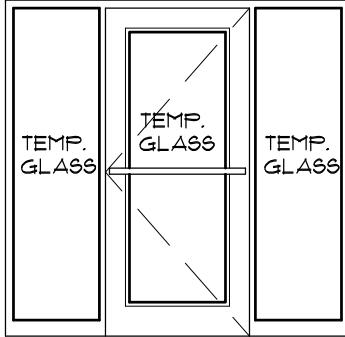


B 5'-0" x 5'-0" VINYL CASEMENT

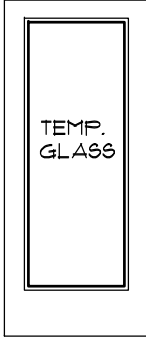


C 6'-0" x 4'-0" VINYL FIXED

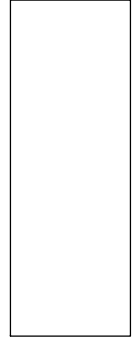
DOOR TYPES



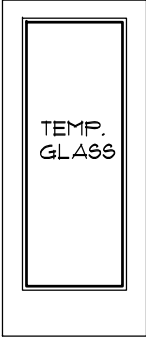
A 1'-2" x 1'-0" ALUMINUM STOREFRONT ENTRY



B 3'-0" x 1'-0" ALUMINUM ENTRY DOOR



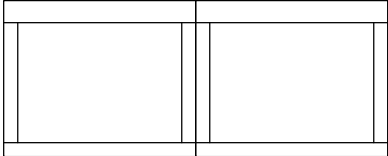
C 2'-6" x 1'-0" x 1 3/4" INTERIOR SOLID CORE



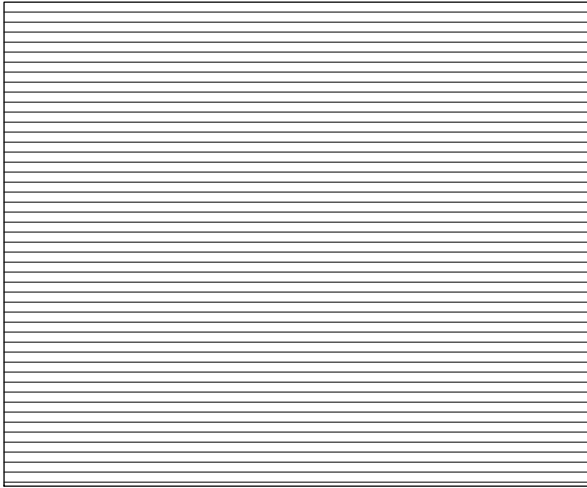
D 3'-0" x 1'-0" x 1 3/4" INTERIOR SOLID CORE FULL-LITE



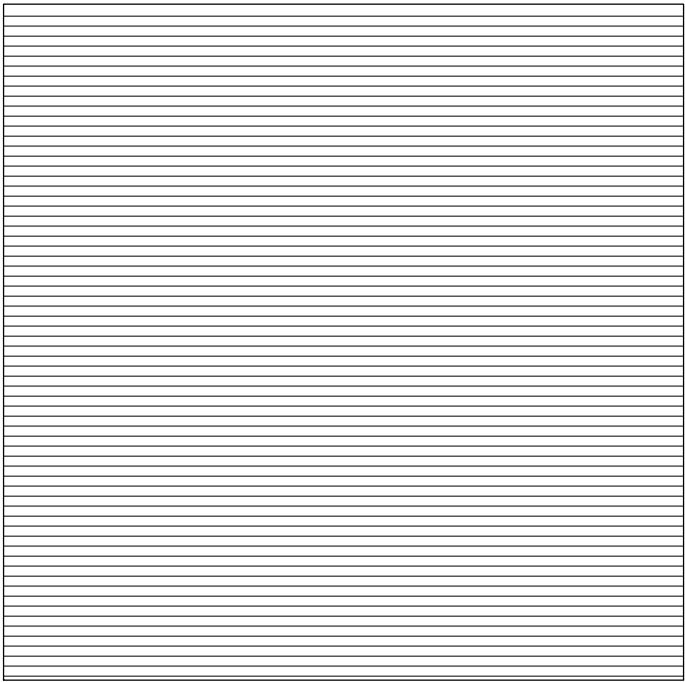
E 3'-0" x 1'-0" INTERIOR SOLID CORE



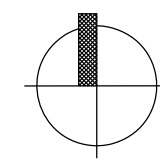
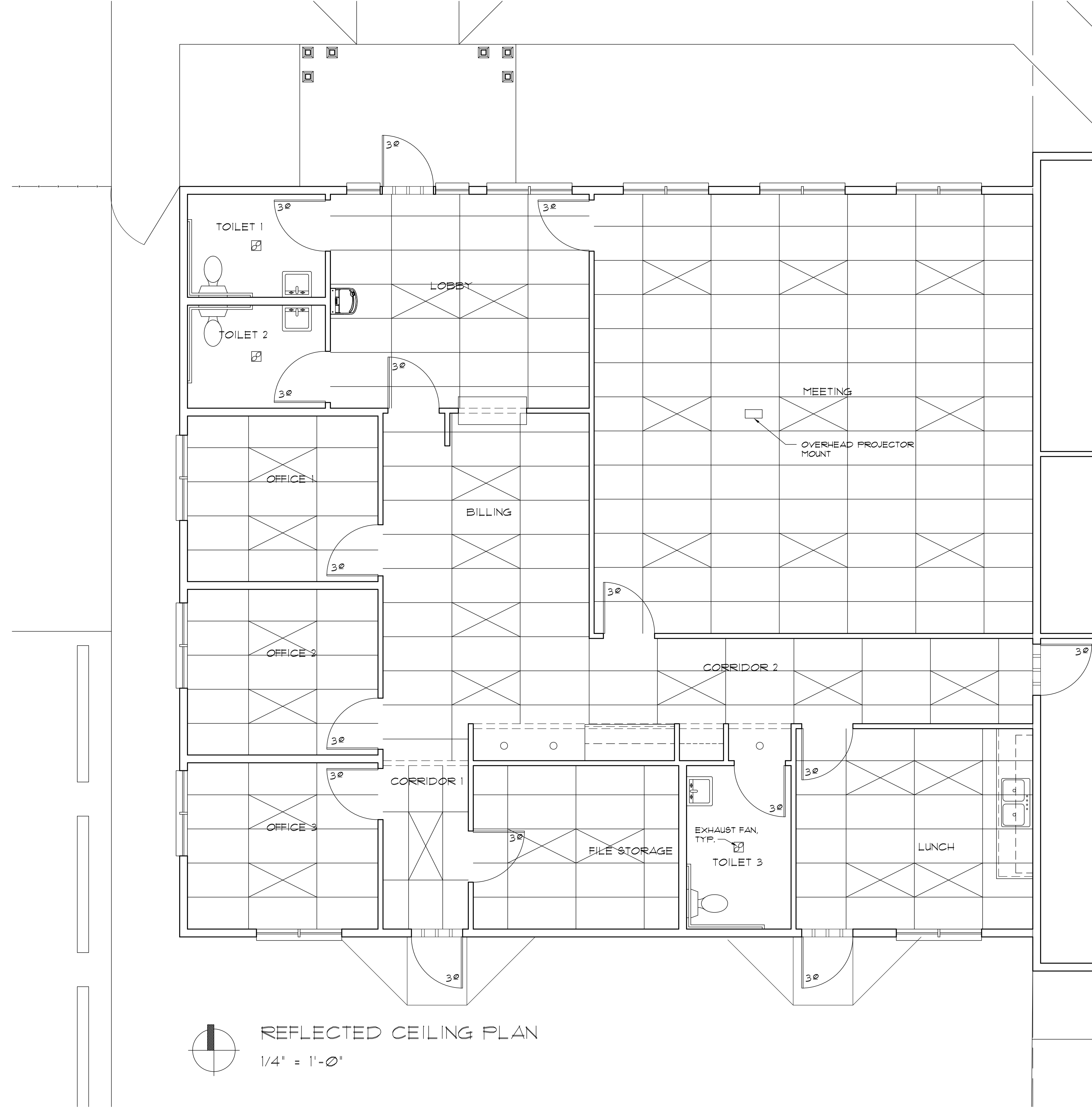
F (2) 4'-0" x 3'-6" SWINGING GATE



G 12'-2" x 10'-1" OVER-HEAD COILING DOOR

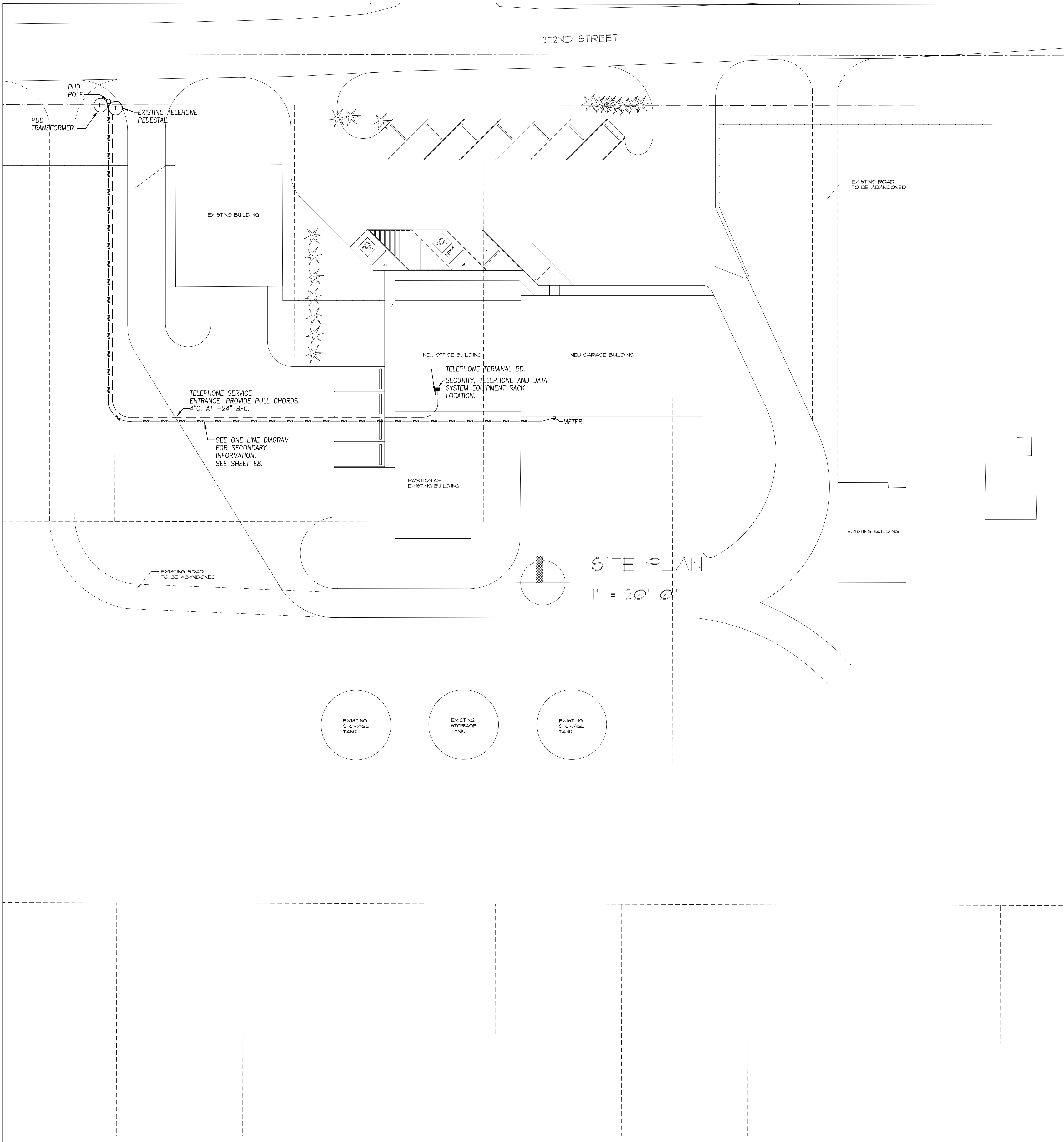


H 14'-2" x 14'-1" OVER-HEAD COILING DOOR

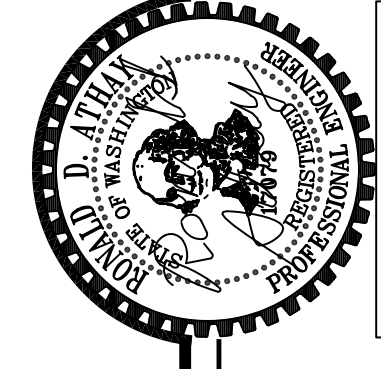


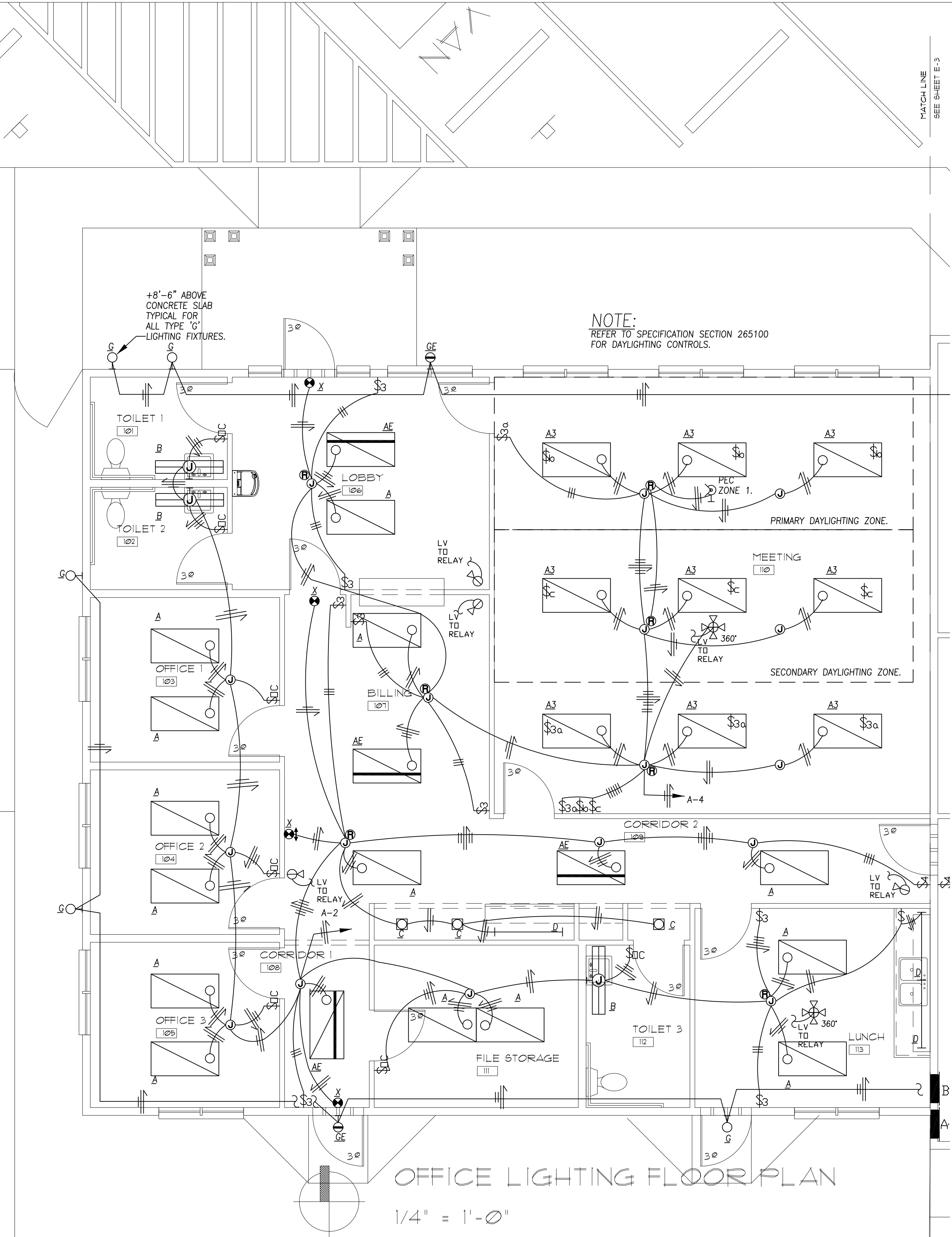
REFLECTED CEILING PLAN

1/4" = 1'-0"



ELECTRICAL SYMBOLS	
SOME SYMBOLS MAY NOT APPEAR ON DRAWINGS	
BRANCH CIRCUIT IN WALL OR CEILING	ELECTRICAL PANEL W/NAME (TYPICAL TO NEW)
BRANCH CIRCUIT EXPOSED	ELECTRICAL PANEL EXISTING W/NAME (TYPICAL TO REMOVE)
BRANCH CIRCUIT IN FLOOR OR EARTH	ELECTRICAL PANEL EXISTING W/NAME (E) (TYPICAL TO REMAIN)
BRANCH CIRCUIT EXISTING	FIRE ALARM SIGNAL LIGHT AND HORN (MINI HORN STROBE LOWER JIB)
UNDERGROUND PRIMARY	FIRE ALARM SIGNAL LIGHT AND HORN (PEZZELO SOUND)
POWER LINE	FIRE ALARM PULL STATION
WIRED OLD DATA LINE	FIRE ALARM HORN
DARKER LINES INDICATE NEW (E) LIGHTER LINES W/ (E) INDICATE EXISTING	FIRE ALARM SIGNAL LIGHT
HASH MARKS = # OF WIRES (NO HASH MARKS = 2 WIRES + 1 GRND)	FIRE ALARM SIGNAL LIGHT AND HORN
HASH MARKS = # OF WIRES W/ HARD WIRED GROUND	FIRE ALARM SMOKE DETECTOR
LIGHTING FIXTURE-FLUORESCENT-RECESSED MOUNT	FIRE ALARM DUCT DETECTOR
LIGHTING FIXTURE-FLUORESCENT-SURFACE MOUNT	FIRE ALARM HEAT DETECTOR
LIGHTING FIXTURE-FLUORESCENT-W/ EMERGENCY BATTERY INVERTER	FIRE ALARM DETECTOR W/ A = AUX. CONTACTS
LIGHTING FIXTURE-FLUORESCENT-ON EMERGENCY CIRCUIT	FIRE ALARM MAGNETIC DOOR HOLDER
LIGHTING FIXTURE-EXISTING SHOWN DOTTED (TYPICAL TO REMOVE)	FIRE ALARM EQUIPMENT CONNECTION
LIGHTING FIXTURE-EXISTING SHOWN LIGHT LINED (E) (TYPICAL TO REMAIN)	FIRE SMOKE DAMPER
LIGHTING FIXTURE-WALL MOUNT	FIRE ALARM DETECTOR CARBON MONOXIDE
LIGHTING FIXTURE-RECESSED	FIRE ALARM DETECTOR W/ AB = ALARM BASE
LIGHT/FAN FIXTURE-RECESSED	CARBON MONOXIDE OUTLET
LIGHTING FIXTURE-CEILING MOUNT	KEY PAD OUTLET
LIGHTING FIXTURE-WALL SCIENCE	CARD READER LOCATION / VERIFY PRIOR
LIGHTING FIXTURE-BRACKET MOUNT	COMMUNICATIONS OUTLET
LIGHTING FIXTURE-EMERGENCY BATTERY PACK	VOLUME CONTROL OUTLET
LIGHTING FIXTURE-EMERGENCY BATTERY PACK	CLOCK
POLE MOUNTED LIGHTING FIXTURE AS TYPED REFER TO POLE BASE DETAIL 'PB'	CLOCK-SPEAKER COMBINATION
LIGHTING FIXTURE-SPECIAL REFER TO SPEC'S	CLASS BELL
LIGHTING FIXTURE-EXIT LIGHT	CLASSROOM SOUND REINFORCEMENT SPEAKER
OCCUPANCY SENSOR	I/C SPEAKER
OCCUPANCY SENSOR RELAY	PUSH BUTTON / CALL BACK SWITCH/WITH SPEAKER
DUPLEX CONVENIENCE OUTLET (DCD)	PUSH BUTTON / CALL BACK SWITCH
SAFETY TYPE DCD	PUSH BUTTON / START-STOP
DCD 120V W/ GROUND FAULT PROTECTION	DOOR BELL w/ STROBE per ADA
DCD 120V W/ ARC FAULT PROTECTION	DATA OUTLET
QUADPLEX CONVENIENCE OUTLET	TELEPHONE/DATA OUTLET
DEDICATED DCD (HARD WIRE GROUND)	PRINTER OUTLET
DEDICATED DCD (SPECIFIC EQUIPMENT)	TELEVISION OUTLET
OUTLET 208V - AS NOTED	AUDIO JACK OUTLET
TWO SECTION ALUMINUM POWER/COMM POLE W/ QUAD OUTLET, "N" TELE/DATA OUTLETS WHERE "N" = THE NUMBER OF OUTLETS/CABLES.	VIDEO OUTLET
JUNCTION BOX	TELEPHONE OUTLET
FLOOR MOUNTED OUTLET - AS NOTED	INTERCOM OUTLET
CONNECTION TO EQUIPMENT	DISCONNECT W/FUSES
MOTOR DRIVEN DEVICE	DISCONNECT
* = DEVICE OVER COUNTER	PHOTO ELECTRIC CELL
LIGHTING SWITCH - SINGLE POLE	TIME CLOCK
LIGHTING SWITCH - SECTION AS NOTED	NIGHT LIGHT
LIGHTING SWITCH - THREE WAY	WEATHER PROOF
LIGHTING SWITCH - FOUR WAY	WIRE GUARD
LIGHTING SWITCH - DIMMER	E.C. ELECTRICAL CONTRACTOR
LIGHTING SWITCH - KEYED	BKR CIRCUIT BREAKER
LIGHTING SWITCH - PILOT LIGHTED	PEC PHOTO ELECTRIC CELL
LIGHTING SWITCH - MOMENTARY CONTACT	NEC NATIONAL ELECTRICAL CODE
SWR SWITCH - MOTOR RATED	W/ WITH
SOS or SOC SWITCH - WITH OCCUPANCY SENSOR	DCD DUPLEX CONVENIENCE OUTLET
SECURITY MOTION DETECTOR	CIRCUIT
SECURITY CAMERA	AFB ABOVE FINISH FLOOR
EMERGENCY CALL STATION	BFG BELOW FINISHED GRADE
DOOR POSITION SENSOR	CIRCUIT BREAKER ENCLOSURE
	S+ = SHUNT TRIP
	K INSTALLED IN THE KICK AREA
	(E) EXISTING ELECTRICAL DEVICE (TYPICAL TO REMAIN)
	FIXTURE TYPE - LETTER UNDERLINED
	NUMBERED HEX SYMBOLS: REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE
	LETTERED HEX SYMBOLS: REFER TO SHEET NOTES
	OTHER SYMBOL SHAPES: REFER TO OTHER EQUIPMENT CONNECTION SCHEDULES AS NEEDED.
	NOTE: DOTTED SYMBOLS REFER TO DEVICES TO BE REMOVED. DASHED OR DOTTED CONDUIT LINES ON DEMO SHEETS ARE TO BE VERIFIED BEFORE REMOVAL. THESE ARE USUALLY INDICATIONS OF SURFACE OR UNDERGROUND RAN CONDUIT.
	1" CONDUIT FROM DEVICE BOX TO ACCESSIBLE CEILING SPACE OR AS NOTED.
	CONDUIT HOME RUN FROM DEVICE BOX TO PANEL AS CIRCUITED.



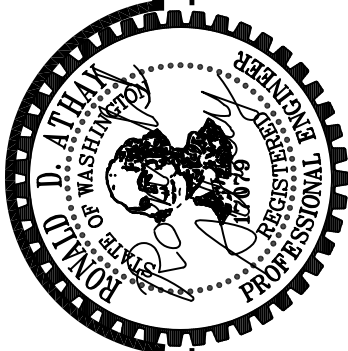


BID/CONSTRUCTION SET

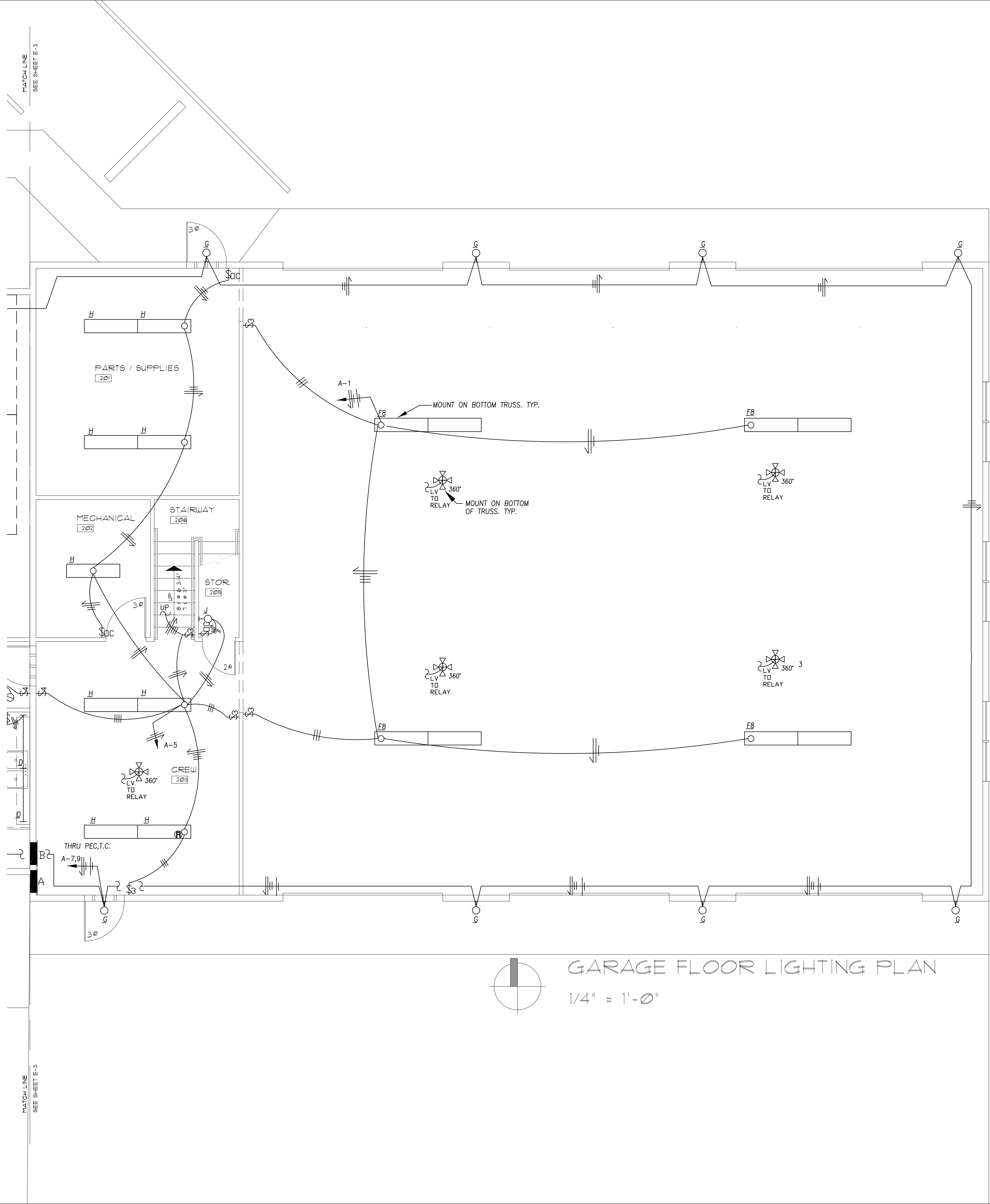
A NEW OFFICE AND FACILITIES BUILDING FOR:
NORTH BEACH WATER DISTRICT
2212 272ND STREET
OCEAN PARK, WASHINGTON 98640

DAVID E. JENSEN, ARCHITECT
POST OFFICE BOX 6
LONG BEACH, WASHINGTON 98631
(360) 642-3507
(360) 642-8636

4/10/15	PERMIT DOCUMENTS
6/01/15	BID DOCUMENTS
6/01/15	CONSTRUCTION DOCUMENTS
5/28/15	PLOT DATE



A&A
ATHAY & ASSOC.
INC.
CONSULTING
ELECTRICAL ENGINEERS
411 NE 83rd Street
VANCOUVER, WA 98685
(360)874-0199 (203)285-2456
fax (360)874-0209
rathay@athayeng.com

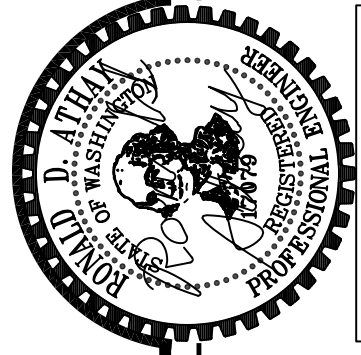


GARAGE FLOOR LIGHTING PLAN

1/4" = 1'-0"

BID/CONSTRUCTION SET

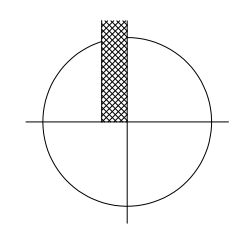
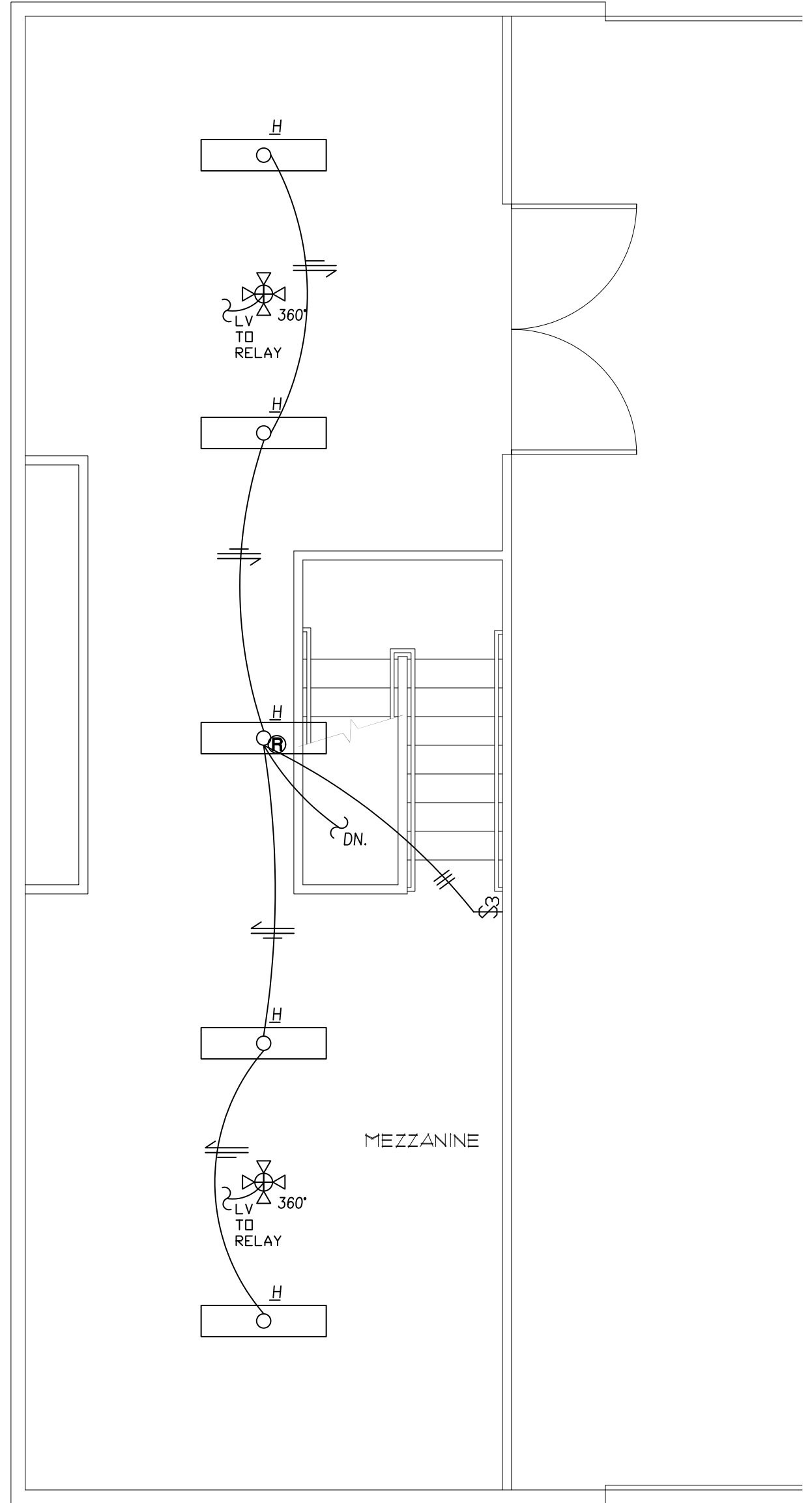
A&A
ATHAY & ASSOC.
INC.
CONSULTING
ELECTRICAL ENGINEERS
 411 NE 83rd Street
 VANCOUVER, WA 98685
 (360)874-0199 (203)285-2456
 fax (360)874-0209
 rathay@athayeng.com



A NEW OFFICE AND FACILITIES BUILDING FOR:
NORTH BEACH WATER DISTRICT
 2212 272ND STREET
 OCEAN PARK, WASHINGTON 98640

DAVID E. JENSEN, ARCHITECT
 103 PACIFIC AVENUE SOUTH
 LONG BEACH, WASHINGTON 98631
 (360)-642-3507
 FAX (360)-642-8636

4/10/15	PERMIT DOCUMENTS
6/01/15	BID DOCUMENTS
6/01/15	CONSTRUCTION DOCUMENTS
5/28/15	PLOT DATE

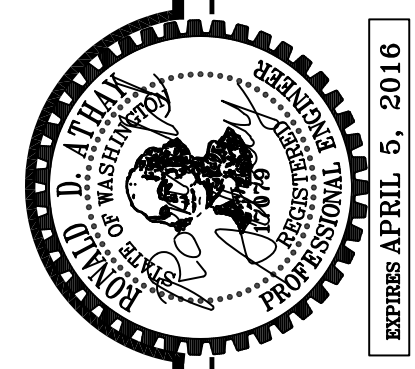


MEZZANINE LIGHTING PLAN

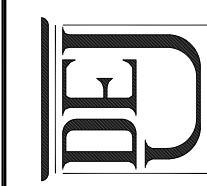
1/4" = 1'-0"

A&A
ATHAY & ASSOC.
INC.
CONSULTING
ELECTRICAL ENGINEERS
411 NE 83rd Street
VANCOUVER, WA 98685
(360)874-0199 (603)285-2456
fax (360)874-0209
ralthay@athayeng.com

BID/CONSTRUCTION SET



A NEW OFFICE AND FACILITIES BUILDING FOR:
NORTH BEACH WATER DISTRICT
2212 272ND STREET
OCEAN PARK, WASHINGTON 98640

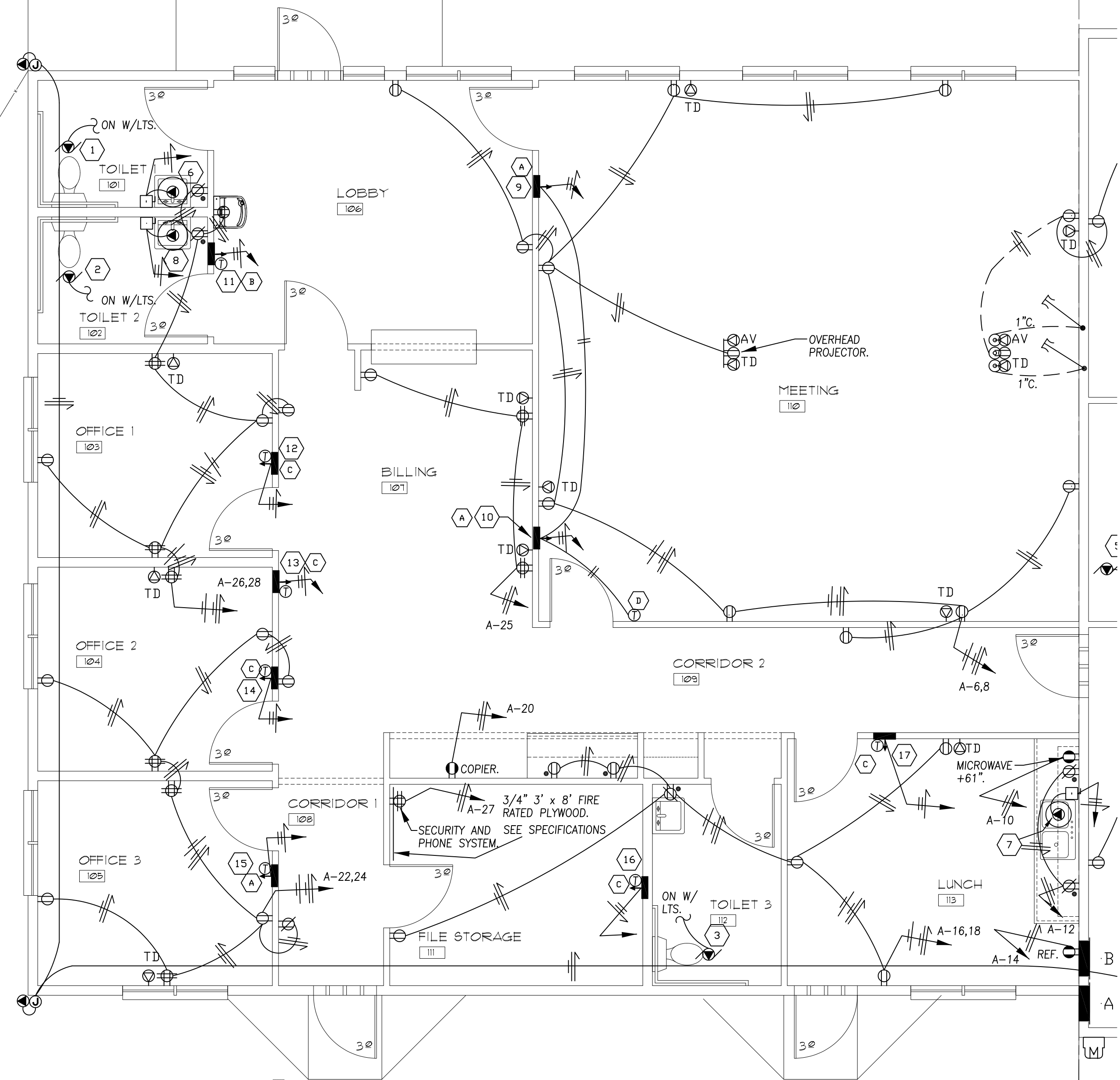


DAVID E. JENSEN, ARCHITECT
103 PACIFIC AVENUE, SOUTH
LONG BEACH, WASHINGTON 98631
(360)-642-3507
FAX (360)-642-8636

4/10/15	PERMIT DOCUMENTS
6/01/15	BID DOCUMENTS
6/01/15	CONSTRUCTION DOCUMENTS
5/28/15	PLOT DATE

E5 HEX NOTES:

- (A) WALL HEATER, 700W. CADET #CM162-CC-CGW.
(B) WALL HEATER, 1200W. CADET #CM202T-CC-CGW.
(C) WALL HEATER, 500W. CADET #CM202T-CC-CGW.
(D) THERMOSTAT, CADET #T410A.
(A) WALL HEATER, 700W. CADET #CM162T-CC-CGW.

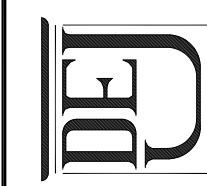


OFFICE POWER & SIGNAL FLOOR PLAN

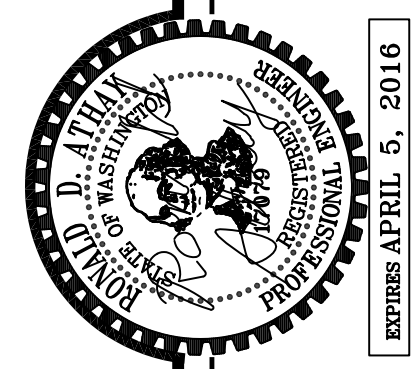
1/4" = 1'-0"

BID/CONSTRUCTION SET

A NEW OFFICE AND FACILITIES BUILDING FOR:
NORTH BEACH WATER DISTRICT
2212 272ND STREET
OCEAN PARK, WASHINGTON 98640

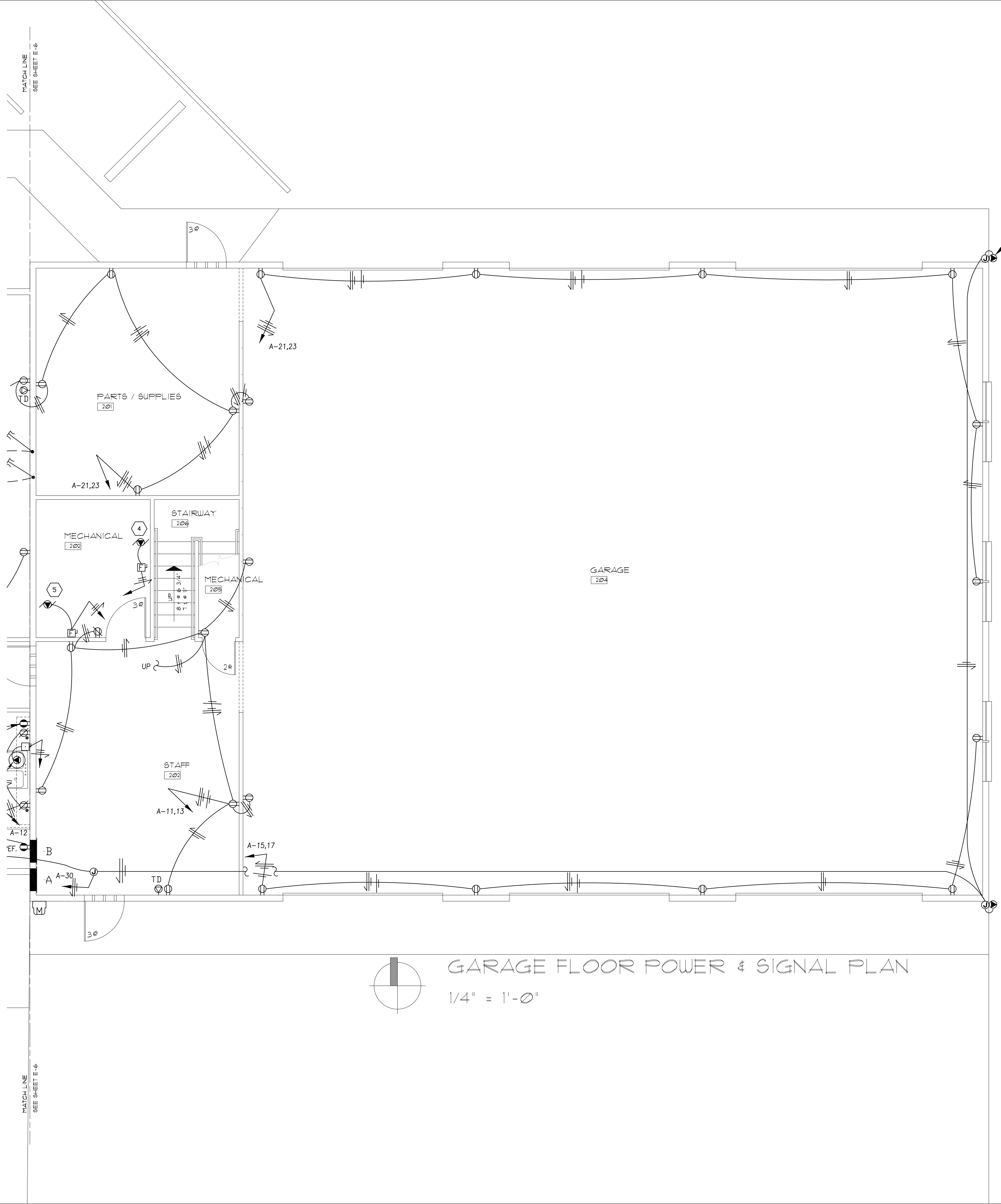


DAVID E. JENSEN, ARCHITECT
103 PACIFIC AVENUE SOUTH
LONG BEACH, WASHINGTON 98631
FAX (360) 642-8636



4/10/15	PERMIT DOCUMENTS
6/01/15	BID DOCUMENTS
6/01/15	CONSTRUCTION DOCUMENTS
5/28/15	PLOT DATE

A&A
ATHAY & ASSOC.
INC.
CONSULTING
ELECTRICAL ENGINEERS
411 NE 83rd Street
VANCOUVER, WA 98685
(360) 874-0199 (503) 285-2456
fax (360) 874-0209
rathay@athayeng.com

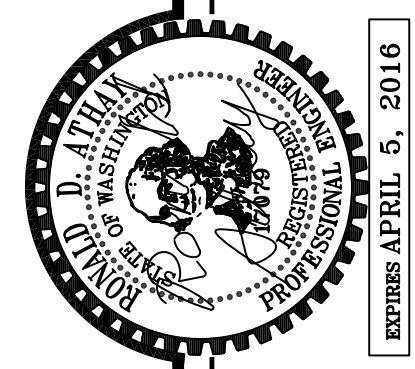


GARAGE FLOOR POWER & SIGNAL PLAN

1/4" = 1'-0"

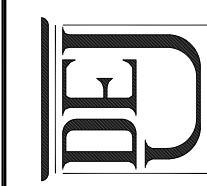
A&A
ATHAY & ASSOC.
INC.
CONSULTING
ELECTRICAL ENGINEERS
411 NE 83rd Street
VANCOUVER, WA 98685
(360)874-0199 (603)285-2456
fax (360)874-0209
rathay@athayeng.com

BID/CONSTRUCTION SET

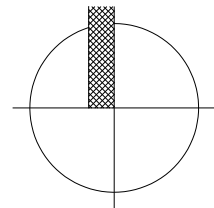


A NEW OFFICE AND FACILITIES BUILDING FOR:
NORTH BEACH WATER DISTRICT
2212 272ND STREET
OCEAN PARK, WASHINGTON 98640

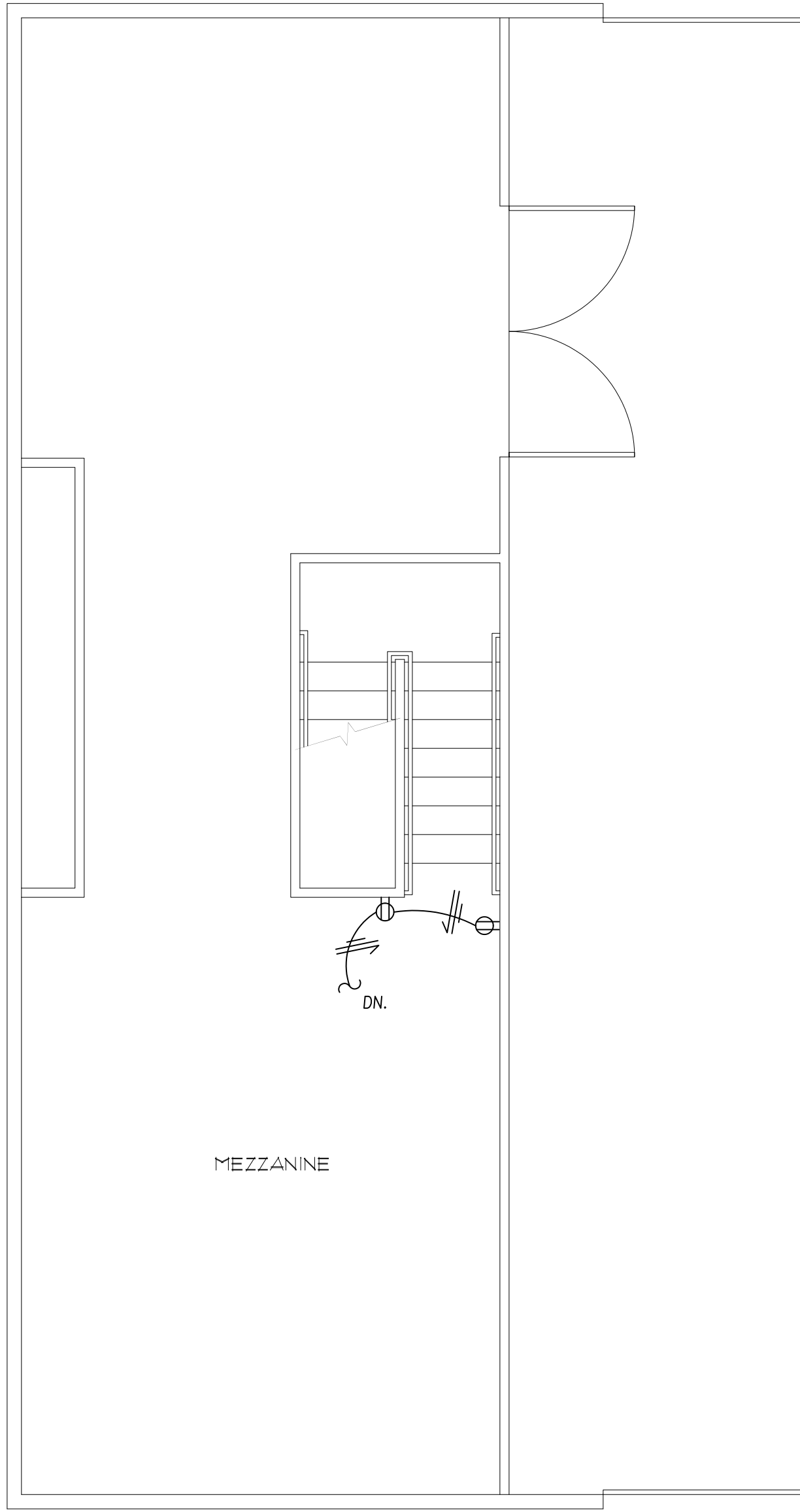
DAVID E. JENSEN, ARCHITECT
POST OFFICE BOX 6
LONG BEACH, WASHINGTON 98631
(360) 642-3507
(360) 642-8636



4/10/15	PERMIT DOCUMENTS
6/01/15	BID DOCUMENTS
6/01/15	CONSTRUCTION DOCUMENTS
5/28/15	PLOT DATE



MEZZANINE POWER & SIGNAL PLAN
1/4" = 1'-0"

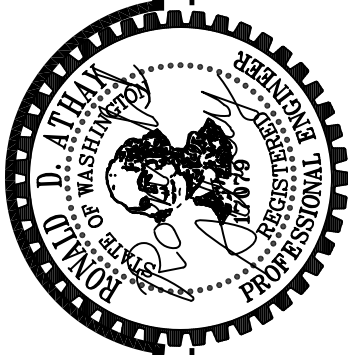


A&A

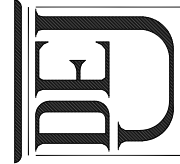
ATHAY & ASSOC.
INC.
CONSULTING
ELECTRICAL ENGINEERS
411 NE 83rd Street
VANCOUVER, WA 98685
(360)874-0199 (603)285-2456
fax (360)874-0209
ralhay@athayeng.com

BID/CONSTRUCTION SET

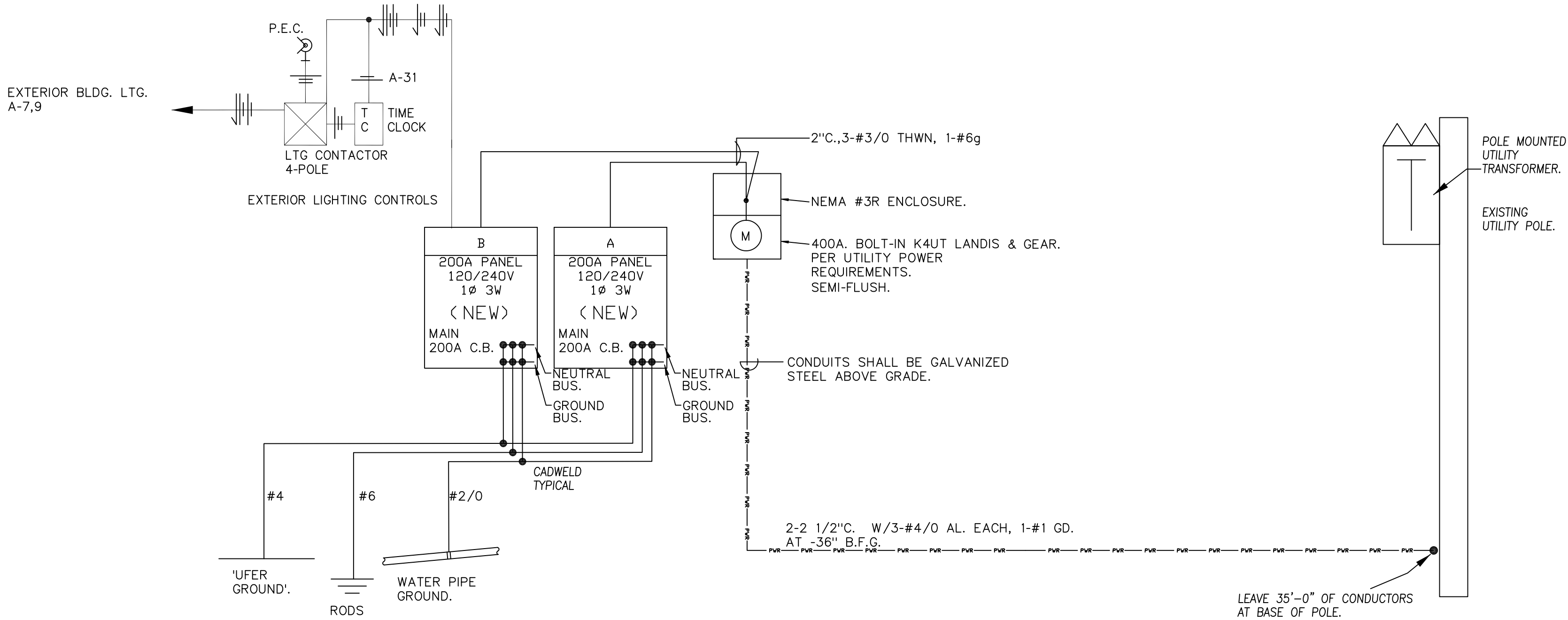
A NEW OFFICE AND FACILITIES BUILDING FOR:
NORTH BEACH WATER DISTRICT
2212 272ND STREET
OCEAN PARK, WASHINGTON 98640



DAVID E. JENSEN, ARCHITECT
POST OFFICE BOX 6
LONG BEACH, WASHINGTON 98631
(360)-642-3507
FAX (360)-642-8636



4/10/15	PERMIT DOCUMENTS
6/01/15	BID DOCUMENTS
6/01/15	CONSTRUCTION DOCUMENTS
5/28/15	PLOT DATE



1 ONE LINE DIAGRAM
E8 SCALE: N.T.S.

PANEL SCHEDULE				A LOCATION:		CREW	
225A. BUSS 120/240v 1ph 3w				MAIN (200) AMP BREAKER			
NO	T	DESCRIPTION	KVA	BKR	KVA	DESCRIPTION	T NO
1	L	LTG-GARAGE	0.90	20A	A	1.28 LTG-OFFICE 1,2,3,CORR.,FILE STORAGE	L 2
3		SPARE C.B.		20A	B	1.13 LTG-MEETING,BILLING,LOBBY,TLT. 3, LUNCH	L 4
5	L	LTG-MECH.,CREW,PARTS,SUPPLIES,MEZZ.	0.90	20A	A	0.90 DCO-MEETING	D 6
7	L	LTG-BUILDING EXTERIOR	0.66	20A	B	1.08 DCO-MEETING	D 8
9	L	LTG-BUILDING EXTERIOR	0.53	20A	A	1.20 MICROWAVE OVEN	X 10
11	D	DCO-STAFF	0.72	20A	B	0.36 DCO-LUNCH	D 12
13	D	DCO-MEZZANINE	0.90	20A	A	1.00 REFRIGERATOR	X 14
15	D	DCO-GARAGE	0.54	20A	B	0.72 DCO-LUNCH, TOILET 3	D 16
17	D	DCO-GARAGE	0.36	20A	A	0.72 DCO-FILE STORAGE, CORRIDOR 2	D 18
19	D	DCO-PARTS/SUPPLIES	1.08	20A	B	1.00 COPIER	X 20
21	D	DCO-GARAGE	0.72	20A	A	1.26 DCO-OFFICE 3	D 22
23	D	DCO-GARAGE	0.54	20A	B	0.90 DCO-OFFICE 2	D 24
25	D	DCO-BILLING	0.90	20A	A	1.08 DCO-OFFICE 2,1	D 26
27	X	TELEPHONE TERMINAL BD., TEL. SEC. SYS.	0.36	20A	B	1.08 DCO-OFFICE 1, TOILET 1,2, LOBBY	D 28
29	X	FIRE ALARM PANEL	0.50	20A	A	1.00 SECURITY CAMERA POWER	X 30
31	X	EXTERIOR LIGHTING CONTROLS	0.20	20A	B	SPARE C.B.	32
33		SPARE C.B.		20A	A	SPARE C.B.	34
35		SPARE C.B.		20A	B	SPARE C.B.	36
37		SPARE C.B.		20A	A	SPARE C.B.	38
39		SPARE C.B.		20A	B	SPARE C.B.	40
41		SPARE C.B.		20A	A	SPARE C.B.	42
LOAD CALCULATION				CIRCUIT BREAKER CODES			
LIGHTING				S = SHUNT TRIP BREAKERS			
LTG @ 125%				* = EXISTING C.B. - ALL OTHERS NEW - (N) NEW LOAD			
MOTORS				SPARE= CIRCUIT BREAKER			
LRGST @ 25%				BLANK= C.B. POSITION			
OUTLETS				K = KITCHEN			
DEDICATED OUTLETS				L = LIGHTING			
DEMAND OUTLETS@50%				M = MOTORS			
KITCHEN				D = OUTLETS			
DEMAND KITCHEN				H = HEAT			
HEAT				X = MISCELLANEOUS			
MISCELLANEOUS				W = WELDERS			
WELDERS				TC = O DEDICATED OUTLETS			
				K = O DEMAND KITCHEN			
				NEW PANEL.			
CONNECTED KVA				= 102.17 AMP			
DEMAND KVA				= 99.75 AMP			

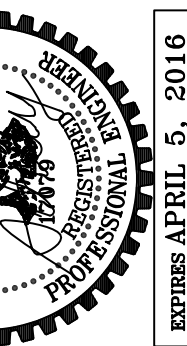
PANEL SCHEDULE				B LOCATION:		CREW	
225A. BUSS 120/240v 1ph 3w				MAIN (200) AMP BREAKER			
NO	T	DESCRIPTION	KVA	BKR	KVA	DESCRIPTION	T NO
1	X	WSHP-1	3.86	30A	A	7.00 EWH-1	H 2
3				2P	B		4
5	X	WSHP-2	4.73	35A	A	2.00 EWH-2	H 6
7				2P	B		8
9		SPARE C.B.		20A	A	7.00 EWH-3	H 10
11		SPARE C.B.		20A	B		12
13		SPARE C.B.		20A	A	1.20 WALL HEATER	H 14
15		SPARE C.B.		20A	B		16
17		SPARE C.B.		20A	A	0.50 WALL HEATER	H 18
19		SPARE C.B.		20A	B		20
21	H	WALL HEATER	0.70	20A	A	0.50 WALL HEATER	H 22
23				2P	B		24
25	H	WALL HEATER	0.70	20A	A	0.50 WALL HEATER	H 26
27				2P	B		28
29		BLANK		A	20A	0.70 WALL HEATER	H 30
31		BLANK		B	2P		32
33		BLANK		A	20A	0.50 WALL HEATER	H 34
35		BLANK		B	2P		36
37		BLANK		A	20A	0.50 WALL HEATER	H 38
39		BLANK		B	2P		40
41		BLANK		A		BLANK	42
LOAD CALCULATION				CIRCUIT BREAKER CODES			
LIGHTING				S = SHUNT TRIP BREAKERS			
LTG @ 125%				* = EXISTING C.B. - ALL OTHERS NEW - (N) NEW LOAD			
MOTORS				SPARE= CIRCUIT BREAKER			
LRGST @ 25%				BLANK= C.B. POSITION			
OUTLETS				K = KITCHEN			
DEDICATED OUTLETS				L = LIGHTING			
DEMAND OUTLETS@50%				M = MOTORS			
KITCHEN				D = OUTLETS			
DEMAND KITCHEN				H = HEAT			
HEAT				X = MISCELLANEOUS			
MISCELLANEOUS				W = WELDERS			
WELDERS				TC = O DEDICATED OUTLETS			
				K = O DEMAND KITCHEN			
				NEW PANEL.			
CONNECTED KVA				= 126.63 AMP			
DEMAND KVA				= 126.63 AMP			

CURRENT TRANSFORMER				CT LOCATION:		EXTERIOR	
320A. BUSS 120/240v 1ph 3w							
NO	T	DESCRIPTION	KVA	BKR	KVA	DESCRIPTION	T NO
1		PANEL	24.52	200A	A		2
3		A		2P	B		4
5		PANEL	30.39	200A	A		6
7		B		2P	B		8
9				A			10
11				B			12
LOAD CALCULATION				CIRCUIT BREAKER CODES			
LIGHTING				S = SHUNT TRIP BREAKERS			
LTG @ 125%				* = EXISTING C.B. - ALL OTHERS NEW - (N) NEW LOAD			
MOTORS				SPARE= CIRCUIT BREAKER			
LRGST @ 25%				BLANK= C.B. POSITION			
OUTLETS				K = KITCHEN			
DEDICATED OUTLETS				L = LIGHTING			
DEMAND OUTLETS@50%				M = MOTORS			
KITCHEN				D = OUTLETS			
DEMAND KITCHEN				H = HEAT			
HEAT				X = MISCELLANEOUS			
MISCELLANEOUS				W = WELDERS			
				TC = O DEDICATED OUTLETS			
				K = O DEMAND KITCHEN LOAD			
				NEMA #3R ENCLOSURE.			
CONNECTED KVA				= 228.79 AMP			
DEMAND KVA				= 226.38 AMP			

MECHANICAL EQUIPMENT CONNECTION SCHEDULE									
HEX	DESCRIPTION	HP	KVA	PH.	VOLTS	C.	WIRE+GRD.	CIRCUIT	REMARKS
1	CEF-1		0.05	1	120	1/2"	2-#12	A-2	ON WITH LIGHTS.
2	CEF-1		0.05	1	120	1/2"	2-#12	A-2	ON WITH LIGHTS.
3	CEF-1		0.05	1	120	1/2"	2-#12	A-4	ON WITH LIGHTS.
4	WSHP-1		3.86	1	240	1/2"	2-#10	B-1,3	ALTERNATE #1.
5	WSHP-2		4.73	1	240	1/2"	2-#10	B-5,7	ALTERNATE #1.
6	EWHP-1		7	1	240	3/4"	2-#8	B-2,4	
7	EWHP-2		2	1	240	1/2"	2-#12	B-6,8	
8	EWHP-3		7	1	240	3/4"	2-#8	B-10,12	
9	WALL HEATER		0.7	1	240	1/2"	2-#12	B-21,23	
10	WALL HEATER		0.7	1	240	1/2"	2-#12	B-25,27	
11	WALL HEATER		1.2	1	240	1/2"	2-#12	B-14,16	
12	WALL HEATER		0.5	1	240	1/2"	2-#12	B-18,20	
13	WALL HEATER		0.5	1	240	1/2"	2-#12	B-22,24	
14	WALL HEATER		0.5	1	240	1/2"	2-#12	B-26,28	
15	WALL HEATER		0.7	1	240	1/2"	2-#12	B-30,32	
16	WALL HEATER		0.5	1	240	1/2"	2-#12	B-34,36	
17	WALL HEATER		0.5	1	240	1/2"	2-#12	B-38,40	

BID/CONSTRUCTION SET

A NEW OFFICE AND FACILITIES BUILDING FOR:
NORTH BEACH WATER DISTRICT
2212 272ND STREET
OCEAN PARK, WASHINGTON 98640



DAVID E. JENSEN, ARCHITECT
POST OFFICE BOX 6
LONG BEACH, WASHINGTON 98631
(360) 642-3507
EXPIRES APRIL 5, 2016

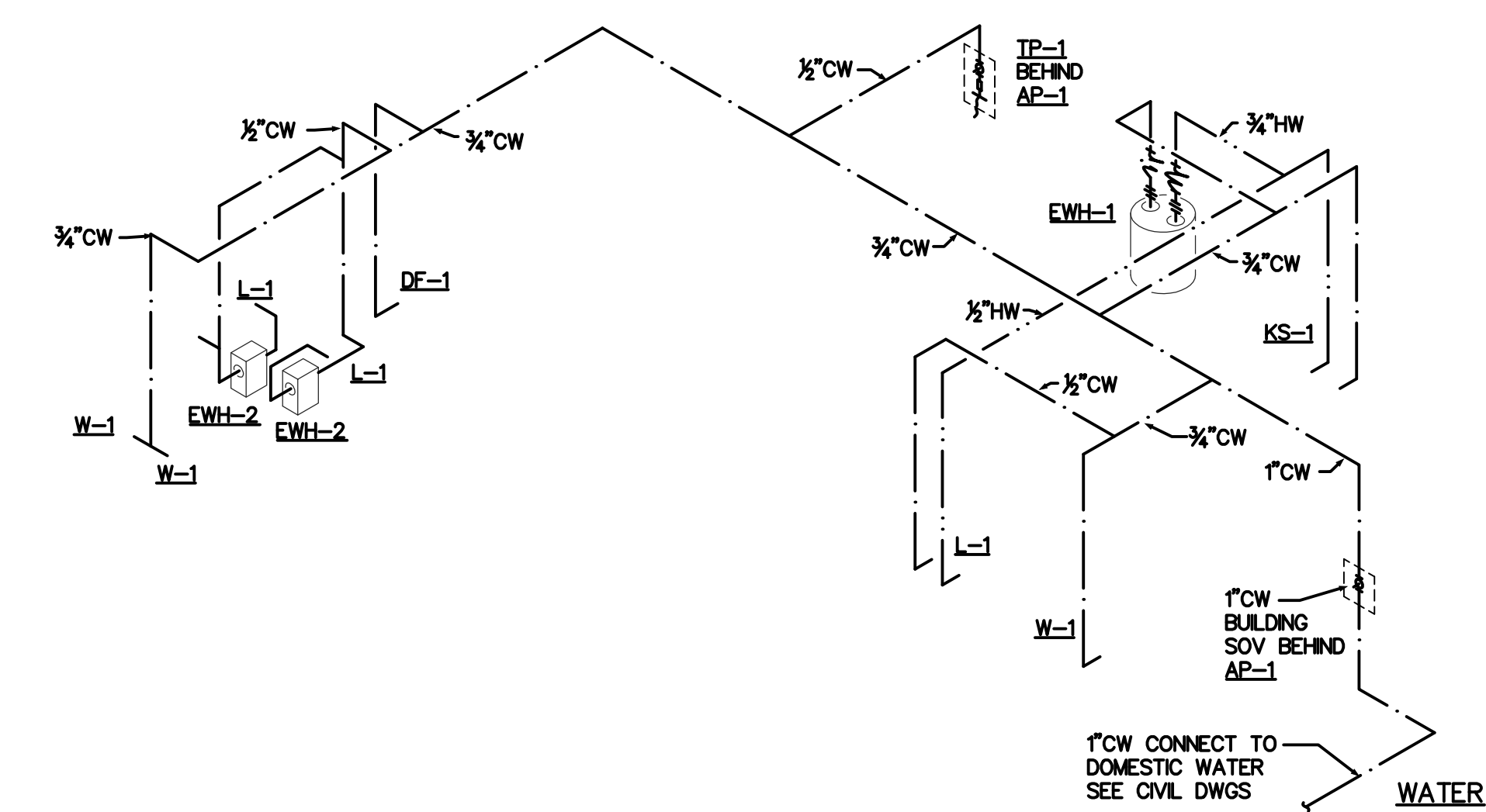
4/10/15 PERMIT DOCUMENTS
6/01/15 BID DOCUMENTS
6/01/15 CONSTRUCTION DOCUMENTS
5/28/15 PLOT DATE

A&A
ATHAY & ASSOC.
INC.
CONSULTING
ELECTRICAL ENGINEERS
411 NE 83rd Street
VANCOUVER, WA 98685
(360)874-0199 (360)285-2456
fax (360)874-0209
rathay@athayeng.com

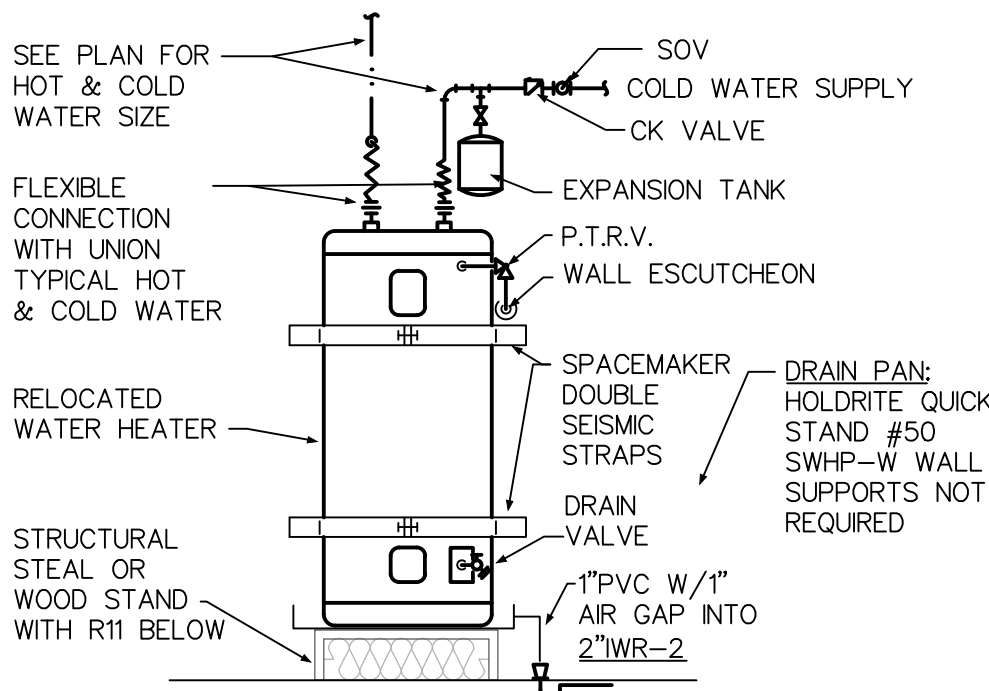
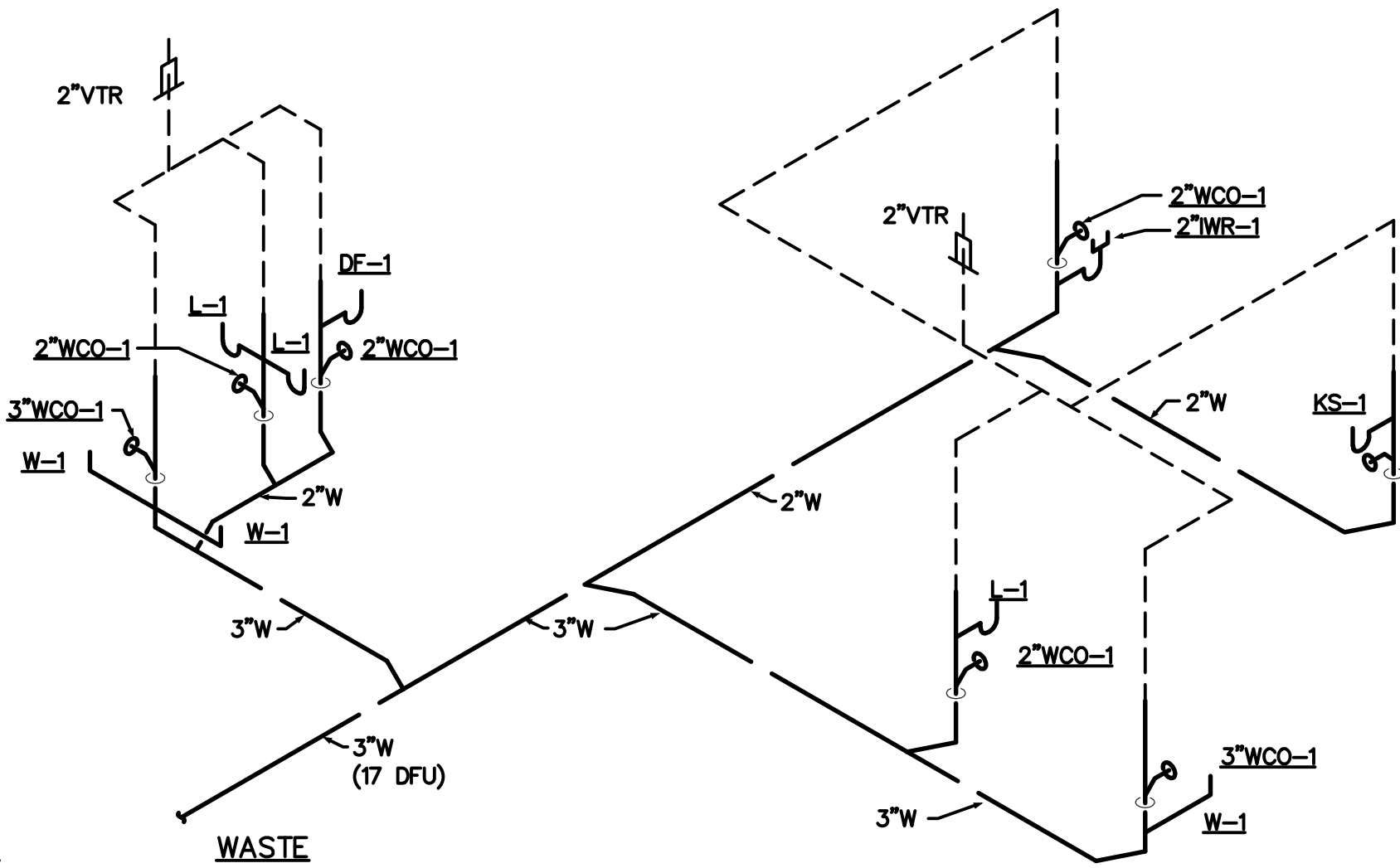
M:\150241\15024P01.dwg, P01, 5/29/2015 9:22:17 AM, DWG To PDF.pc3, 1:1, Paraclete PS Inc, Robin

PLUMBING EQUIPMENT SCHEDULE AND SPECIFICATIONS									
DESIG.	DESCRIPTION	CONNECTION						FIXTURE	REMARKS
		CW	HW	V	W	TW	G		
AP-1	ACCESS PANEL	---	---	---	---	---	---	J.R. SMITH, NYSTROM, ELMOR OR PRIOR APPROVED EQUIVALENT, 16 GAUGE PRIMED & COATED STEEL CONSTRUCTION	PROVIDE 1½ HOUR RATED AS REQUIRED BY ARCH. WALL CONSTRUCTION. VERIFY LOCATIONS W/ ARCH. DWGS. SIZE TO FACILITATE MAINTENANCE TO UTILITY SYSTEM.
DF-1	DRINKING FOUNTAIN (ADA)	½"	---	1¼"	1½"	---	---	ELKAY EDFPB114C, WALL MOUNT, BARRIER-FREE	PROVIDE 1/4 TURN BALL STOP, SUPPLY, P-TRAP AND ARM.
ET-1	EXPANSION TANK	¾"	---	---	---	---	---	AMTROL ST-12, 4.4 GALLON ACCEPTANCE; OPERATING WEIGHT: 46 LBS	SEISMICALLY BRACE
EW-1	ELECTRIC WATER HEATER	¾"	¾"	---	---	---	---	RHEEM PROE15 1 RH POI, 15 GALLON, 2000 WATTS, 240V-1ø OPERATING WEIGHT: 179.1 LBS.	SET FOR 115°F DELIVERY TEMPERATURE SEE DETAIL 5 P.01
EW-2	ELECTRIC WATER HEATER	½"	½"	---	---	---	---	RHEEM RTE 7, TANKLESS POINT OF USE, 7.0 KW WEIGHT: 6 LBS	SET FOR 115°F DELIVERY TEMPERATURE
FCO-1	FLOOR CLEANOUT	---	---	---	---	---	---	J.R. SMITH FIG. 4023-U	SAME SIZE AS MAIN TO 4". SEE DETAIL 3 P.01
IWR-1	INDIRECT WASTE RECEPTOR	---	---	1½"	2"	---	---	JR SMITH 3101Y-12 CAST IRON FLOOR SINK - Ø½" SQ TOP SEDIMENT BUCKET	PRIME TRAP
KS-1	KITCHEN SINK (ADA) 1 2	½"	½"	1½"	1½"	---	---	JUST DL-ADA-2133-A-GR-Ø½" DEEP WITH J-35-ADA STRAINER	FAUCET: DELTA 711 LS-HDF WITH GOOSENECK. PROVIDE WITH TAILPIECE, P-TRAP AND ARM, ¼ TURN STOPS AND SUPPLIES SEE DETAIL 8 P.01
L-2	LAVATORY 1 2	½"	½"	1½"	1½"	---	---	AMERICAN STANDARD LUCERNE 0355.02 WALL HUNG	FAUCET: DELTA 711 LS-HDF, SINGLE LEVER HANDLE. TAILPIECE, P-TRAP AND ARM ¼ TURN STOPS. SUPPLIES, W/JR SMITH WALL SUPPORT PROVIDE MV-1 SEE DETAIL 9 P.01
TP-1	TRAP PRIMER	½"	---	---	---	---	---	PRECISION PLUMBING PRODUCTS MODEL P-1, P-2 IAPMO APPROVED.	PRIMER DISTRIBUTION UNITS OR MANIFOLDS AS REQUIRED PER CODE. PROVIDE SCREW DRIVER STOP VALVE SEE DETAIL 7 P.01
W-1	WATER CLOSET 1.6 G.P.F. 2	½"	---	2"	3"	---	---	AMERICAN STANDARD CADET PRO #215AA.104, FLOOR MOUNTED TANK TYPE, 1.28 GPF, WHITE VITREOUS CHINA UNIT WITH ELONGATED BOWL, CHROME TRIP LEVER AND 16 1/2" HIGH BOWL.	SEAT, OLSONITE NO. 9555 WHITE OPEN FRONT LESS LID FOR ELONGATED BOWL WITH SELF-SUSTAINING HINGE. PROVIDE 1/4 TURN STOP AND SUPPLY.
WCO-1	WALL CLEANOUT	---	---	---	---	---	---	J.R. SMITH NO. 4472 WITH STAINLESS STEEL COVER	SEE DETAIL 1 P.01

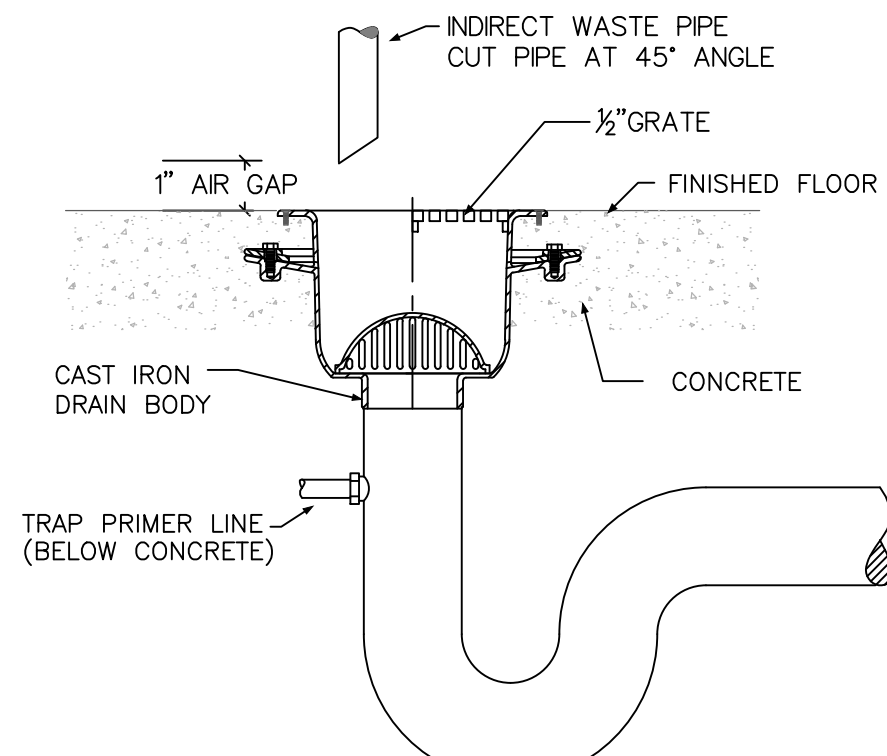
- 1 PRE FORMED BOOT PIPE PROTECTION IS REQUIRED FOR ALL DISABLED ACCESSIBLE, LAVATORIES AND SINKS ON CW, HW & W WHEN FRONT APPROACH USED
- 2 MEETS REQUIREMENT OF A.D.A.



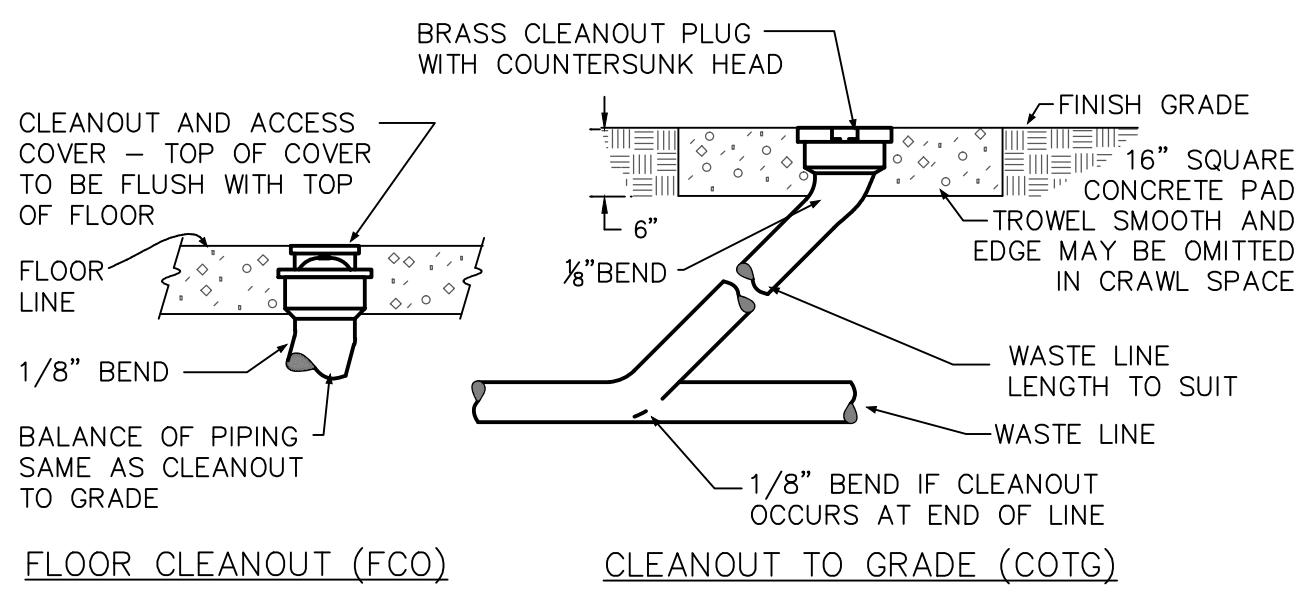
A P0.1 RISERS DIAGRAMS
NO SCALE



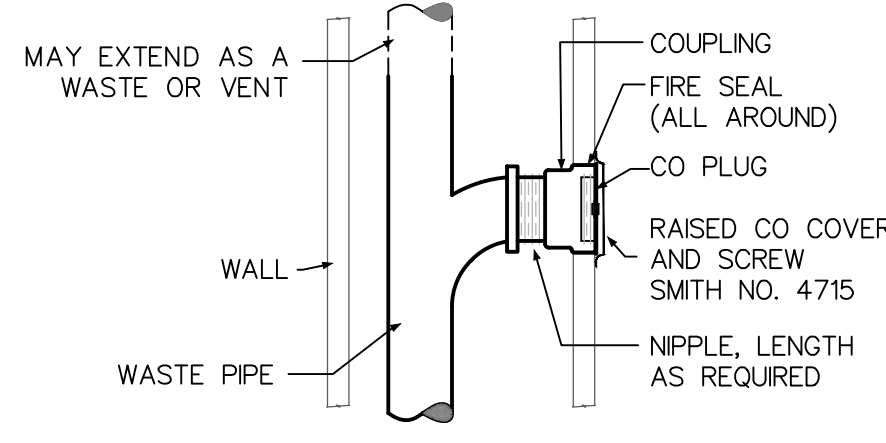
5 P0.1 ELECTRIC WATER HEATER DETAIL
NO SCALE



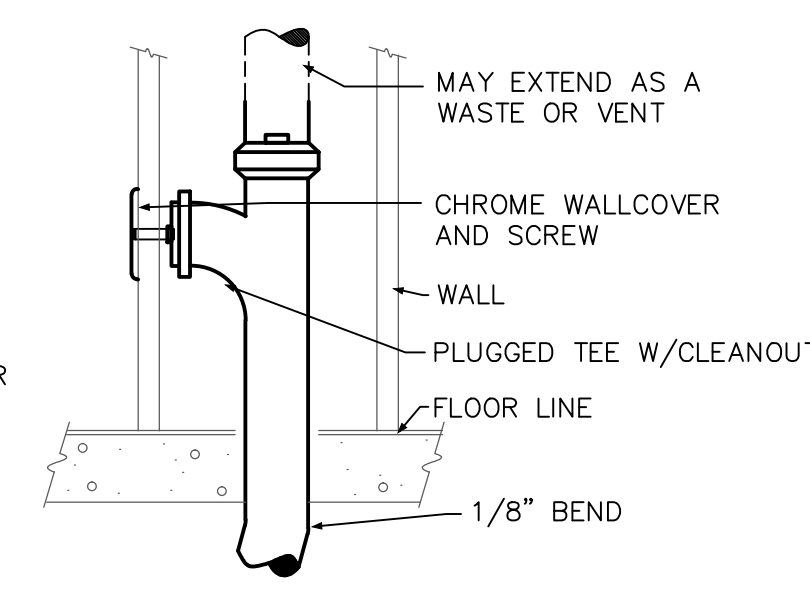
4 P0.1 INDIRECT WASTE RECEIVER DETAIL
NO SCALE



3 P0.1 CLEANOUT DETAILS
NO SCALE



2 P0.1 RATED WALL CLEANOUT
NO SCALE



1 P0.1 WALL CLEANOUT
NO SCALE

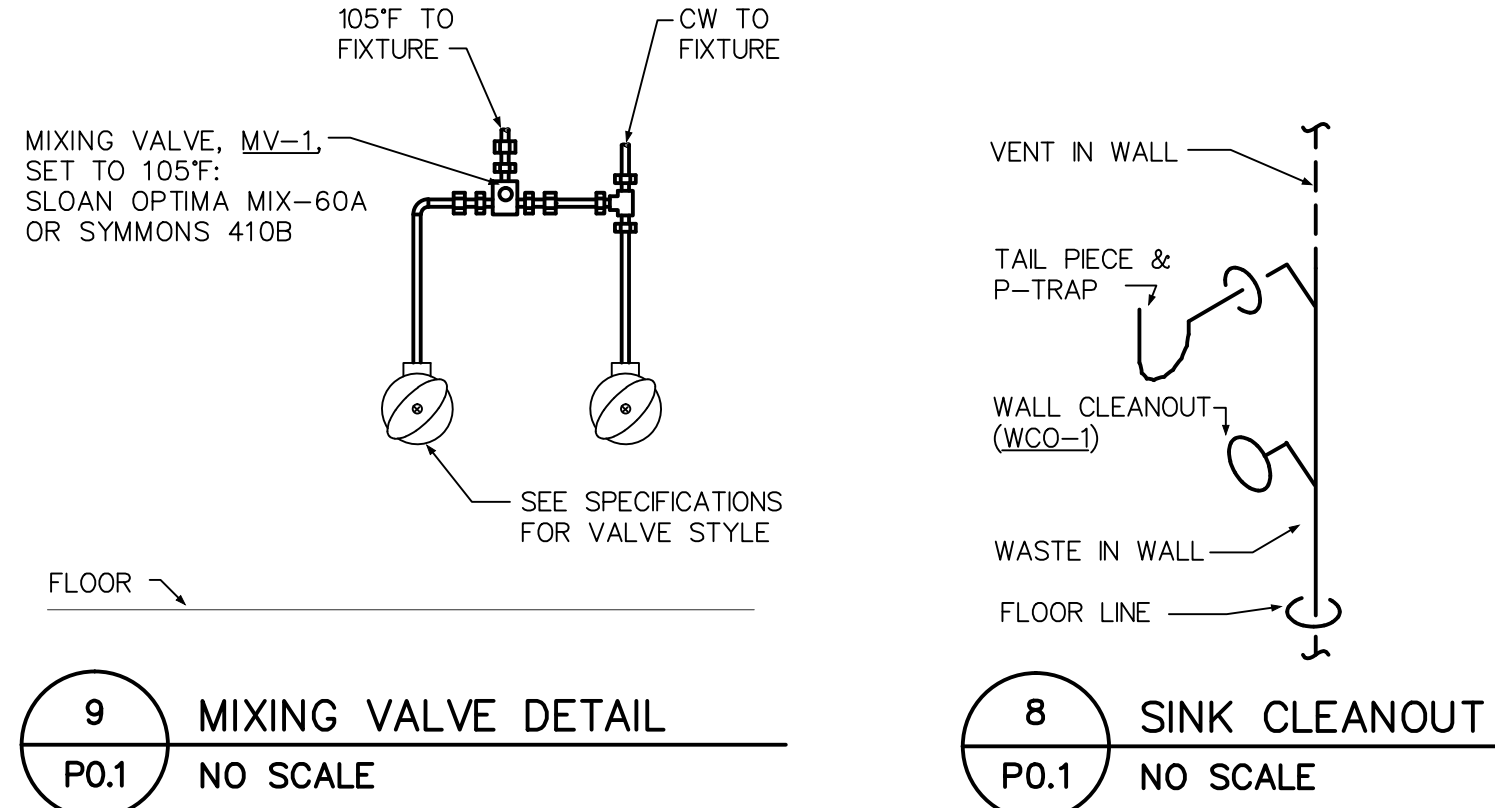
WATER CALCULATIONS		
1. ASSUMED PRESSURE	55.0 PSI	COLD WATER 55.0 PSI
2. PRESSURE LOSSES	2.25 PSI	30.62 PSI
3. PRESSURE AVAILABLE FOR PIPE FRICTION	24.38 PSI	
4. DEVELOPED LENGTH	412 FT	
5. 120% OF DEVELOPED LENGTH ALLOWANCE FOR CONTRACTOR INSTALLATION	494.4 FT	
6. PIPE SIZE PRESSURE DROP, PSI/100 FT.	4.93 PSI/100'	
7. USE 4.93 PSI/100 FT TO MAXIMUM VELOCITY OF 8 FPS		

PIPE SIZE 1	GPM 1	SYSTEM NONFLUSH VALVE WSFU CURVE 2 2
½"	2.5	2.5
¾"	7.0	12.0
1"	15.0	20.0
1¼"	22.0	37.0
1½"	35.0	67.0
2"	70.0	230.0

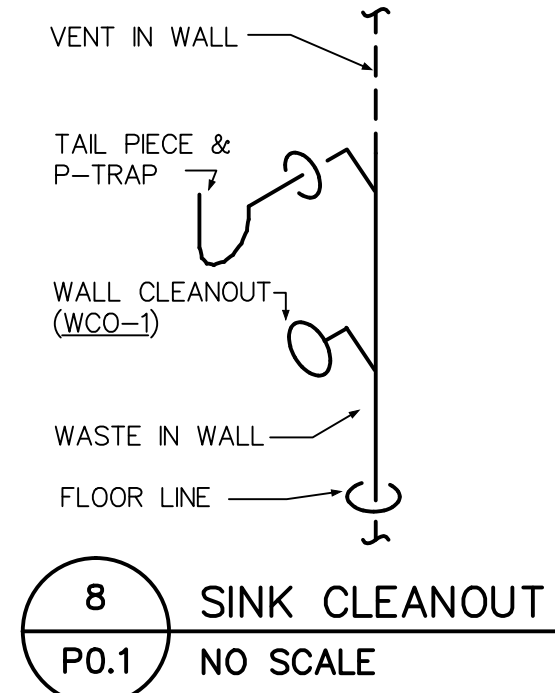
- 1 CHART A2.1 2014 OSCP CHART 2.1(1) 2014 OCPIC
- 2 CHART A4.1 2014 OSCP 5.12 PSI/100 FT TO MAX VELOCITY OF 6 FPS

TOTAL WATER SUPPLY FIXTURE UNITS (WSFU)					
FIXTURE	NO.	WSFU	SPACE CW WSFU	FIXTURE CW WSFU	HW WSFU
DRINKING FOUNTAIN	1	0.5	0.5	0.5	---
KITCHEN SINK	1	1.5	1.5	1.13	1.13
LAVATORY	3	1.0	3.0	2.25	2.25
TRAP PRIMER	1	0.5	0.5	0.5	---
WATER CLOSET FLUSH TANK	3	2.5	7.5	7.5	---
TOTAL =			13.0	11.88	3.38
13.0 CW WSFU = 11.0 GPM (1" SERVICE)					

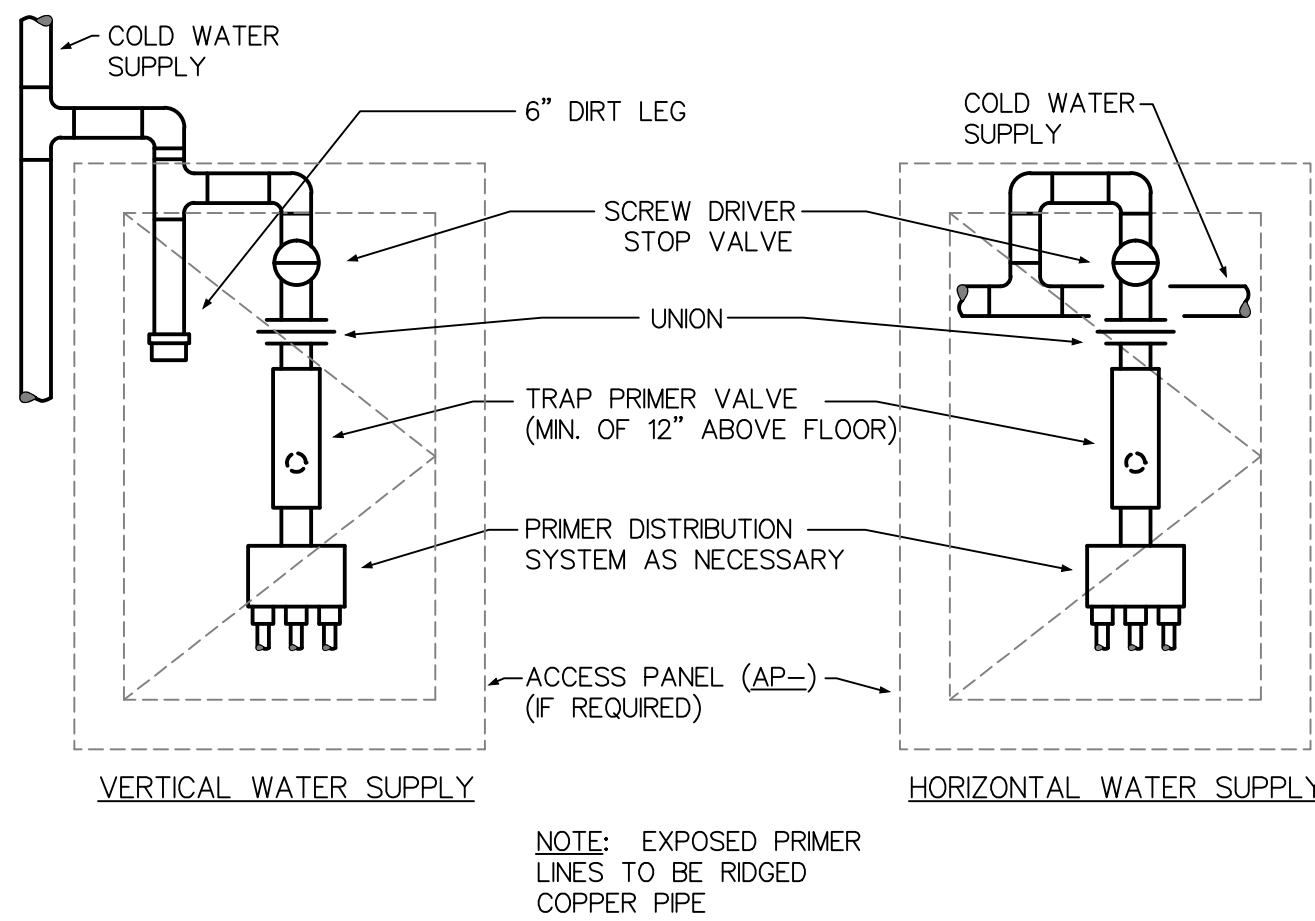
- PLUMBING SYMBOLS
- W WASTE
V VENT
CW COLD WATER
HW HOT WATER
CO CLEANOUT
FCO FLOOR CLEANOUT
WCO WALL CLEANOUT
DV DRAIN VALVE
SOV BALL TYPE SHUT OFF BALL VALVE
UNION UNION
VTR VENT THROUGH ROOF
DFU DRAINAGE FIXTURE UNITS
WSFU WATER SUPPLY FIXTURE UNITS
W/ WITH
A/F ABOVE FINISHED FLOOR



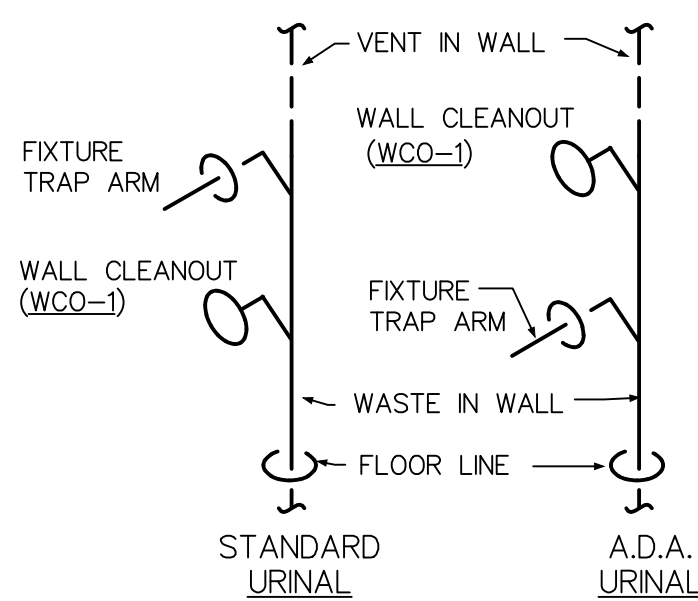
9 P0.1 MIXING VALVE DETAIL
NO SCALE



8 P0.1 SINK CLEANOUT
NO SCALE

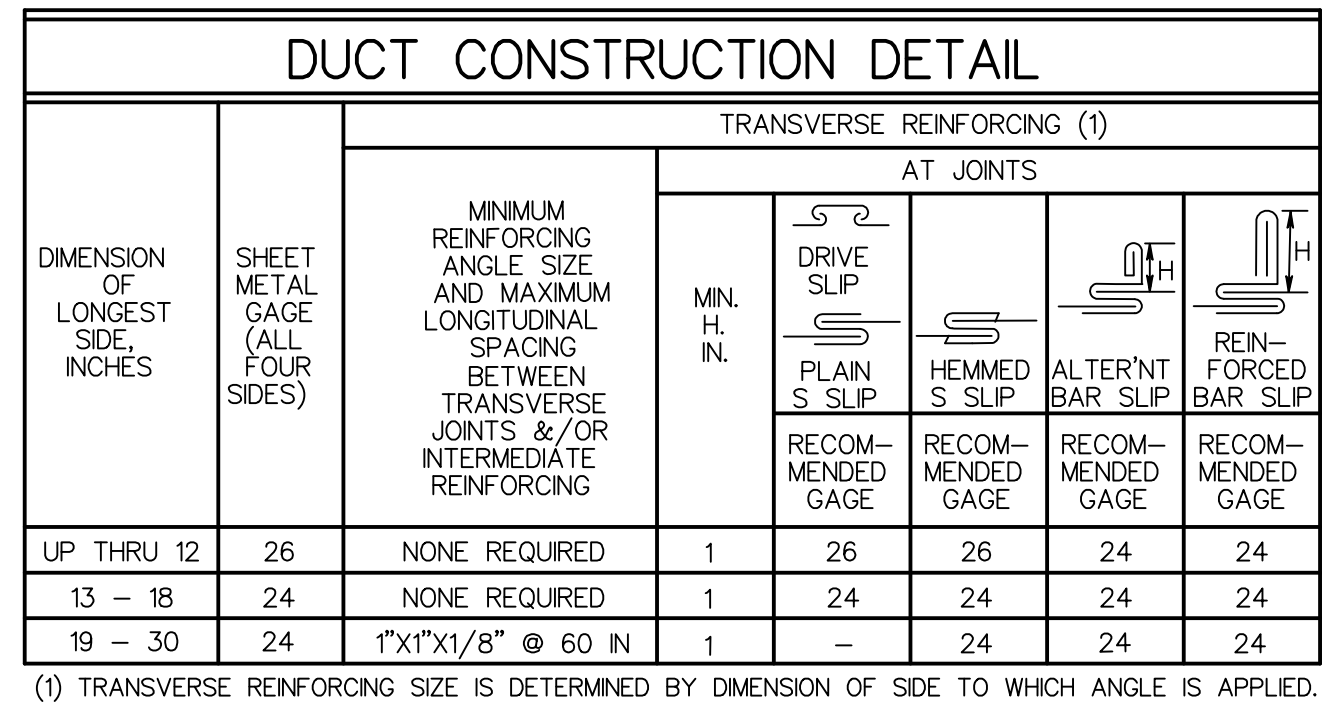


6 P0.1 TRAP PRIMER DETAIL
NO SCALE

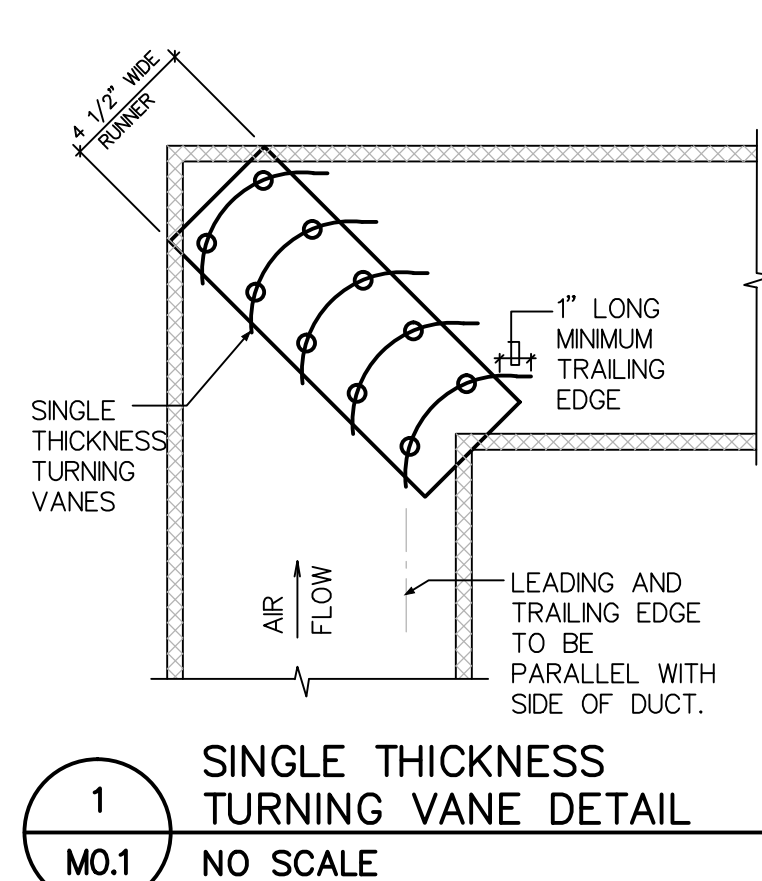
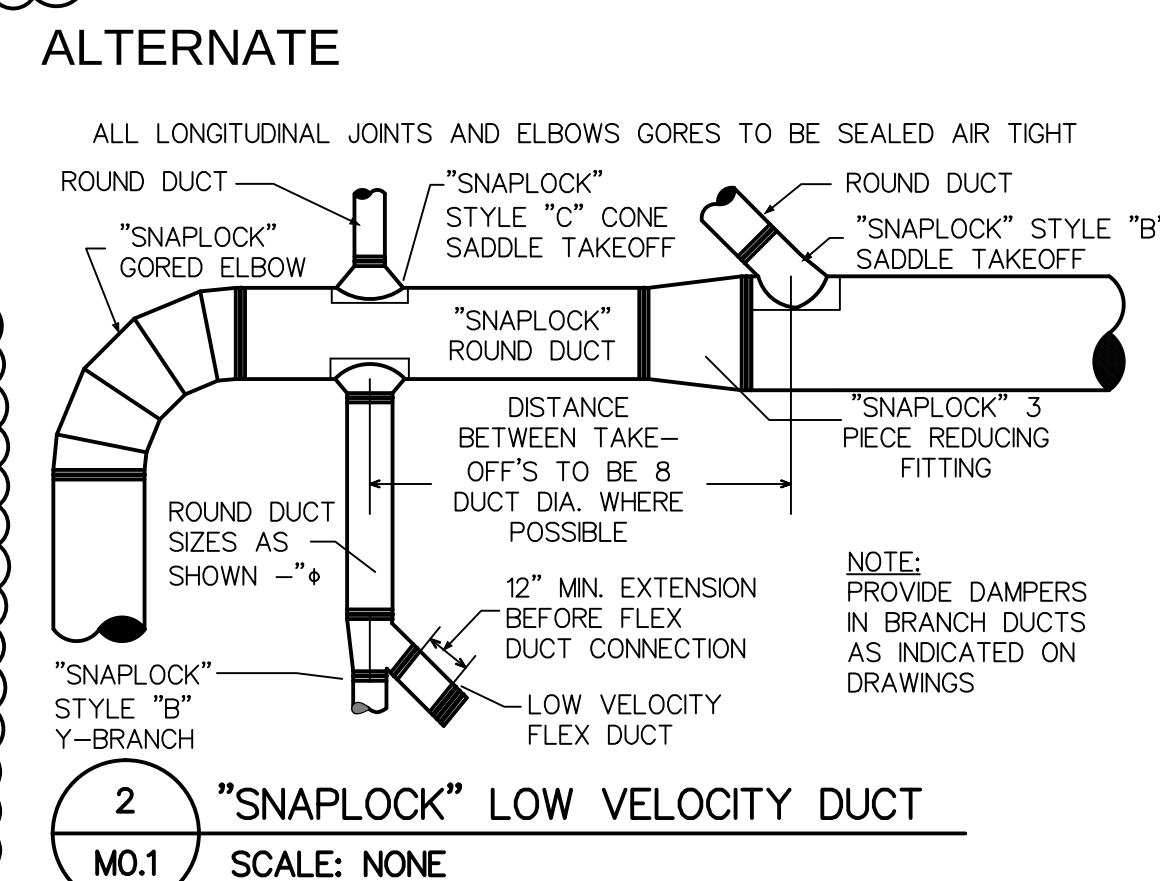
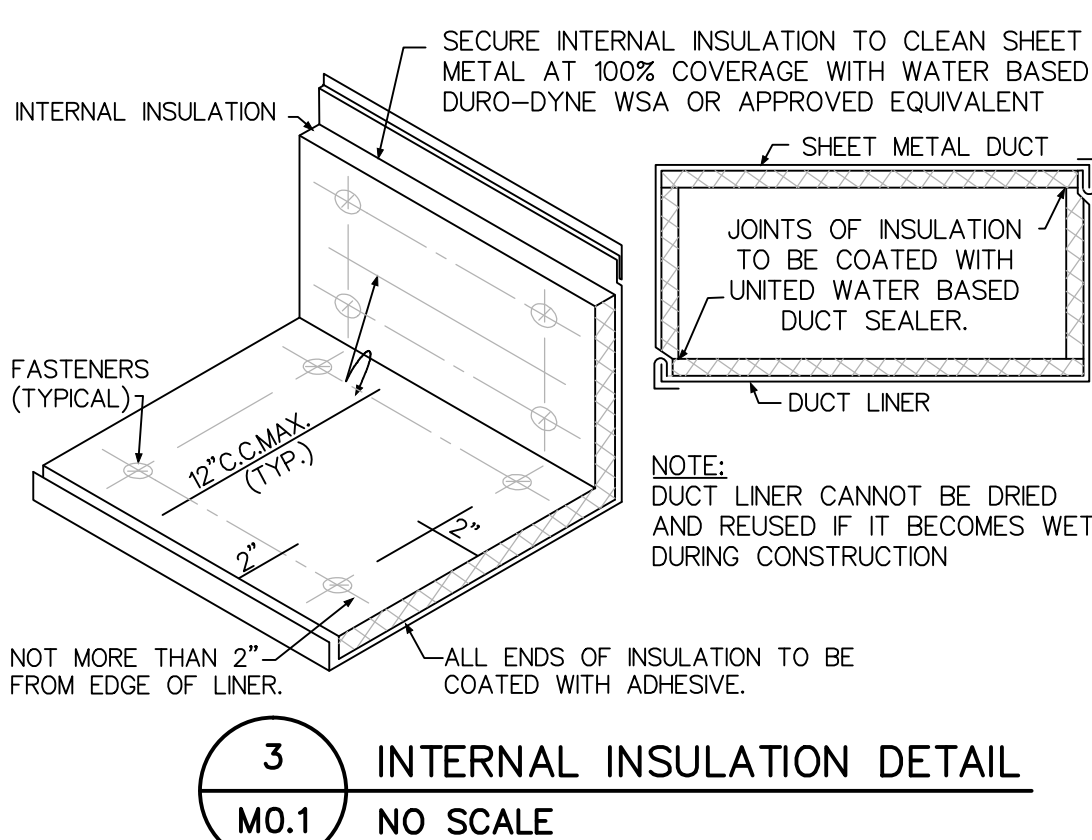
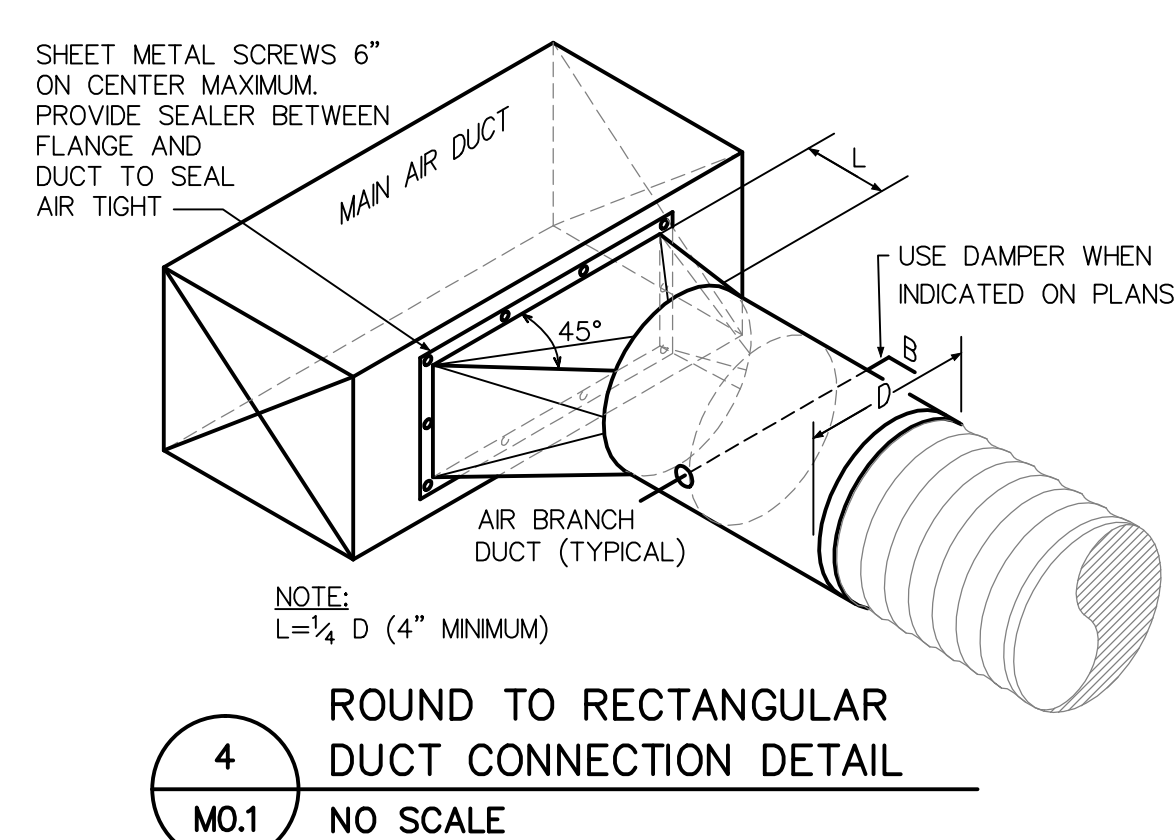
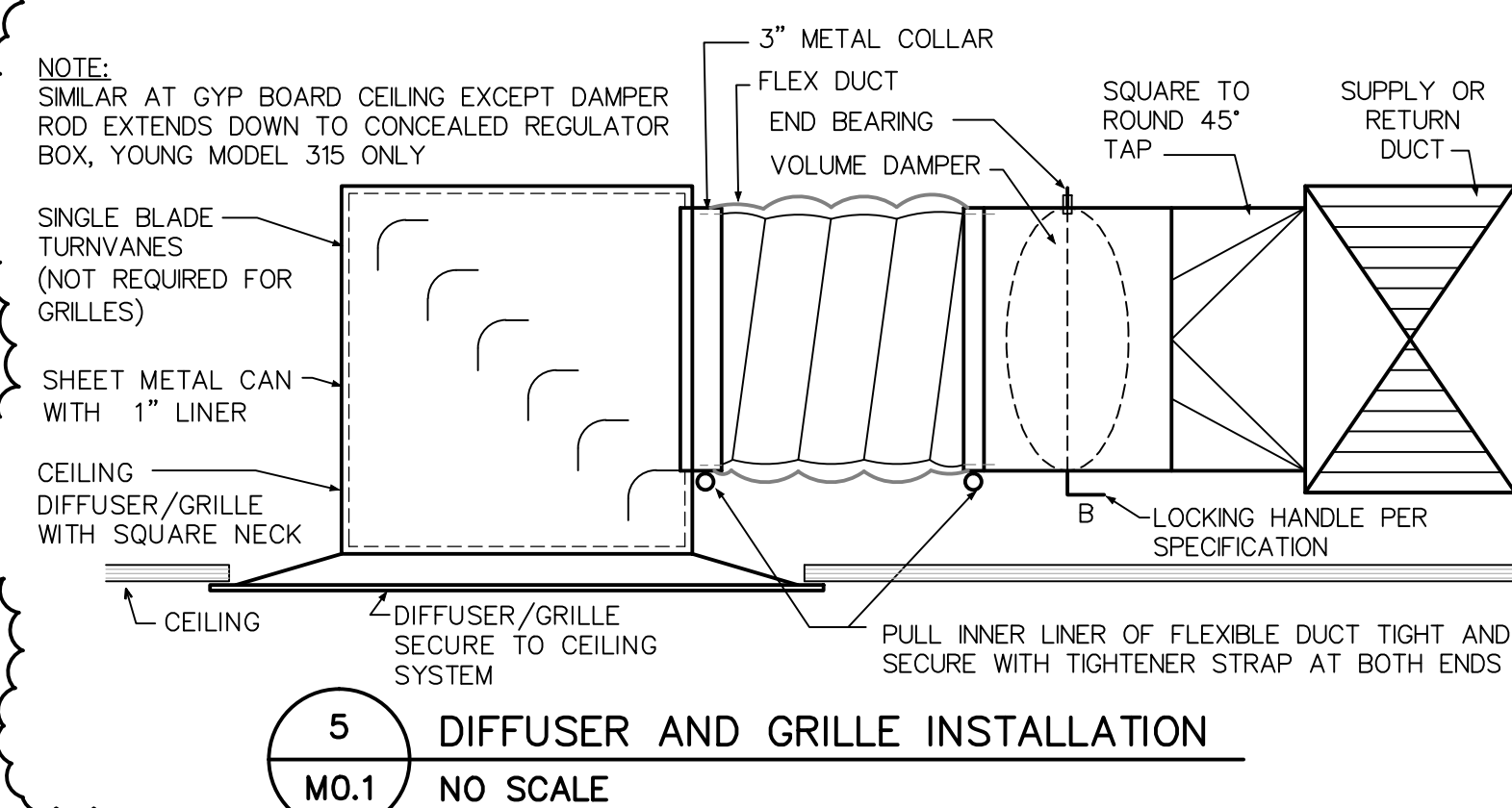
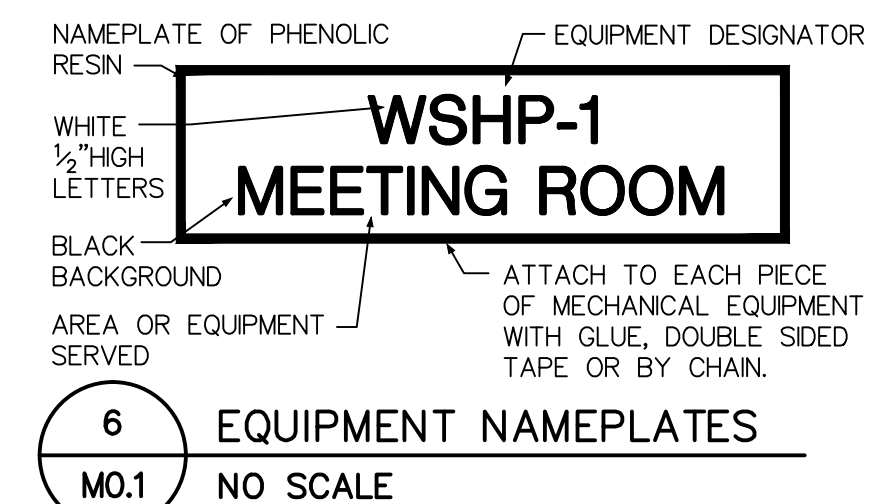
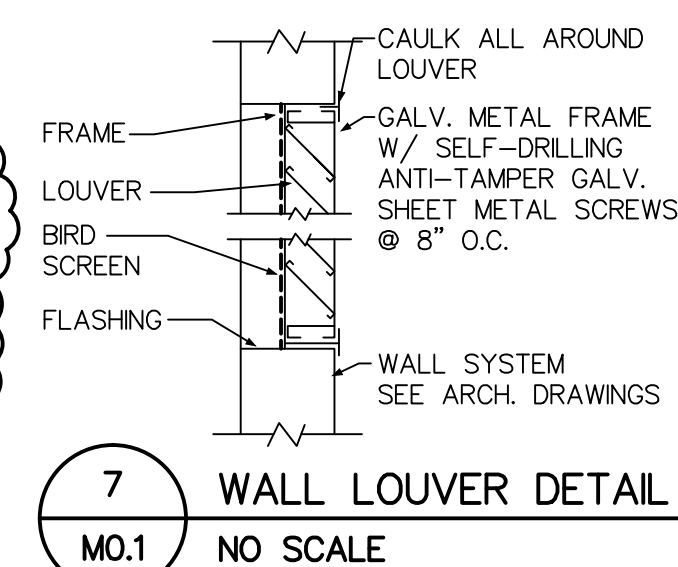
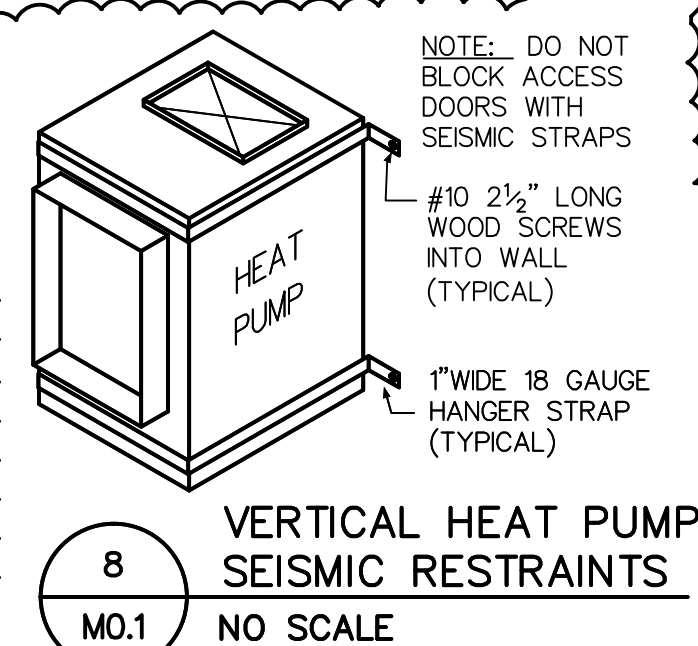
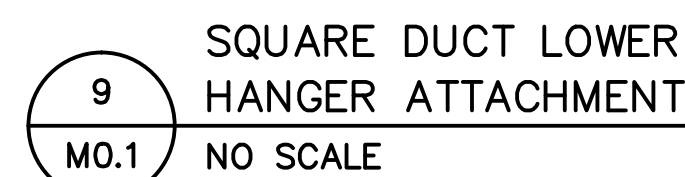
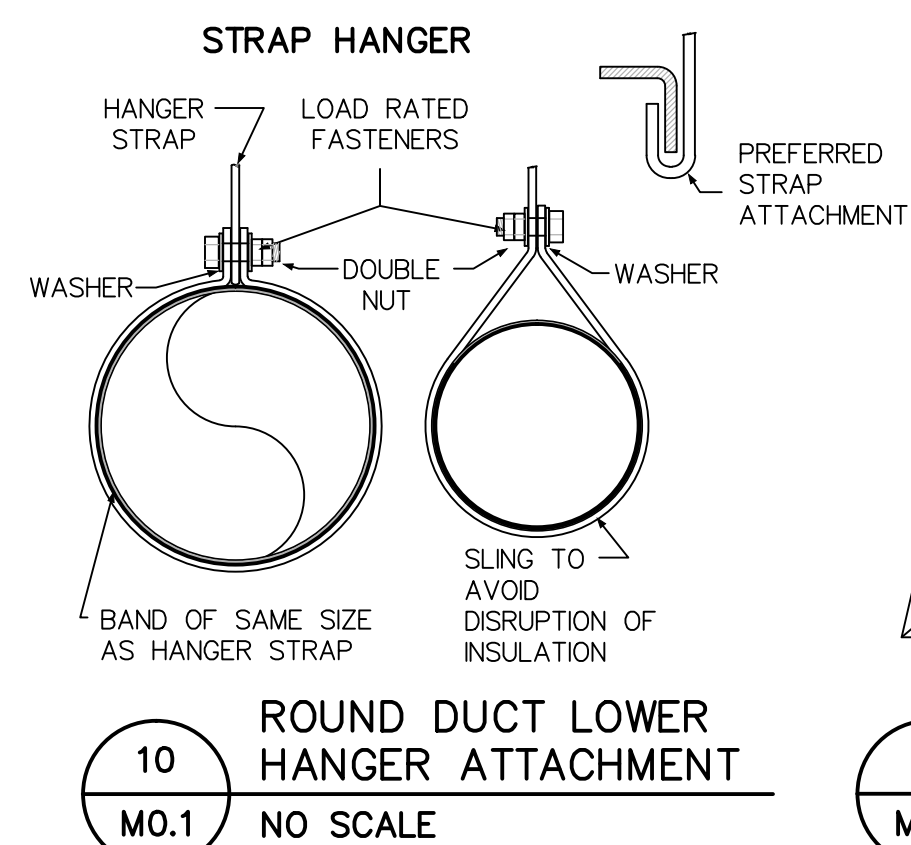
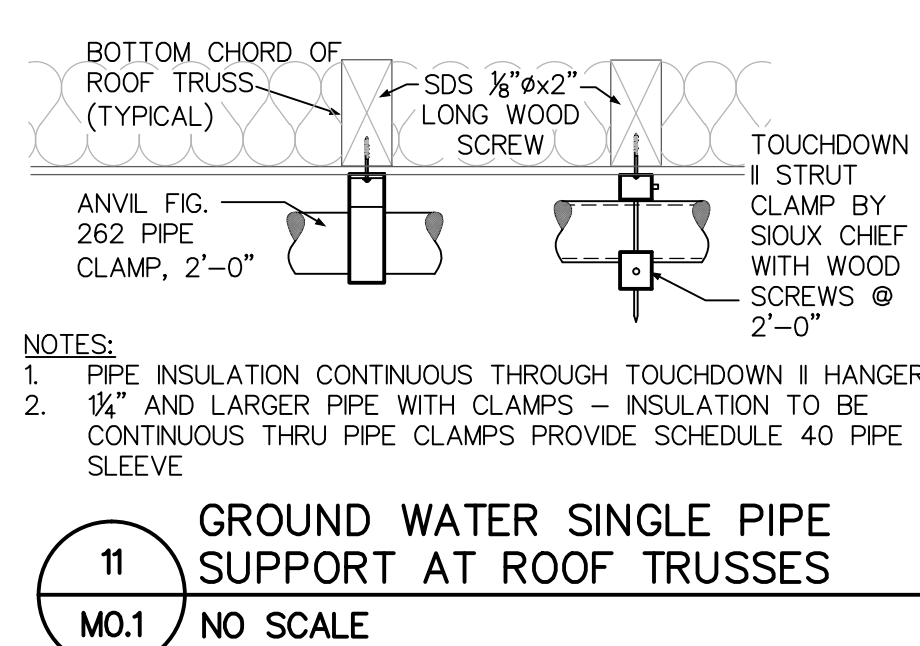
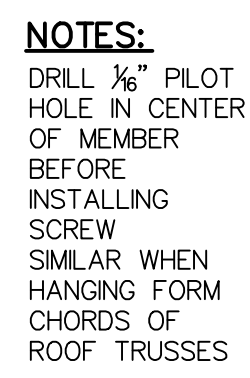


7 P0.1 WALL MOUNTED URINAL CLEANOUT DETAIL
NO SCALE

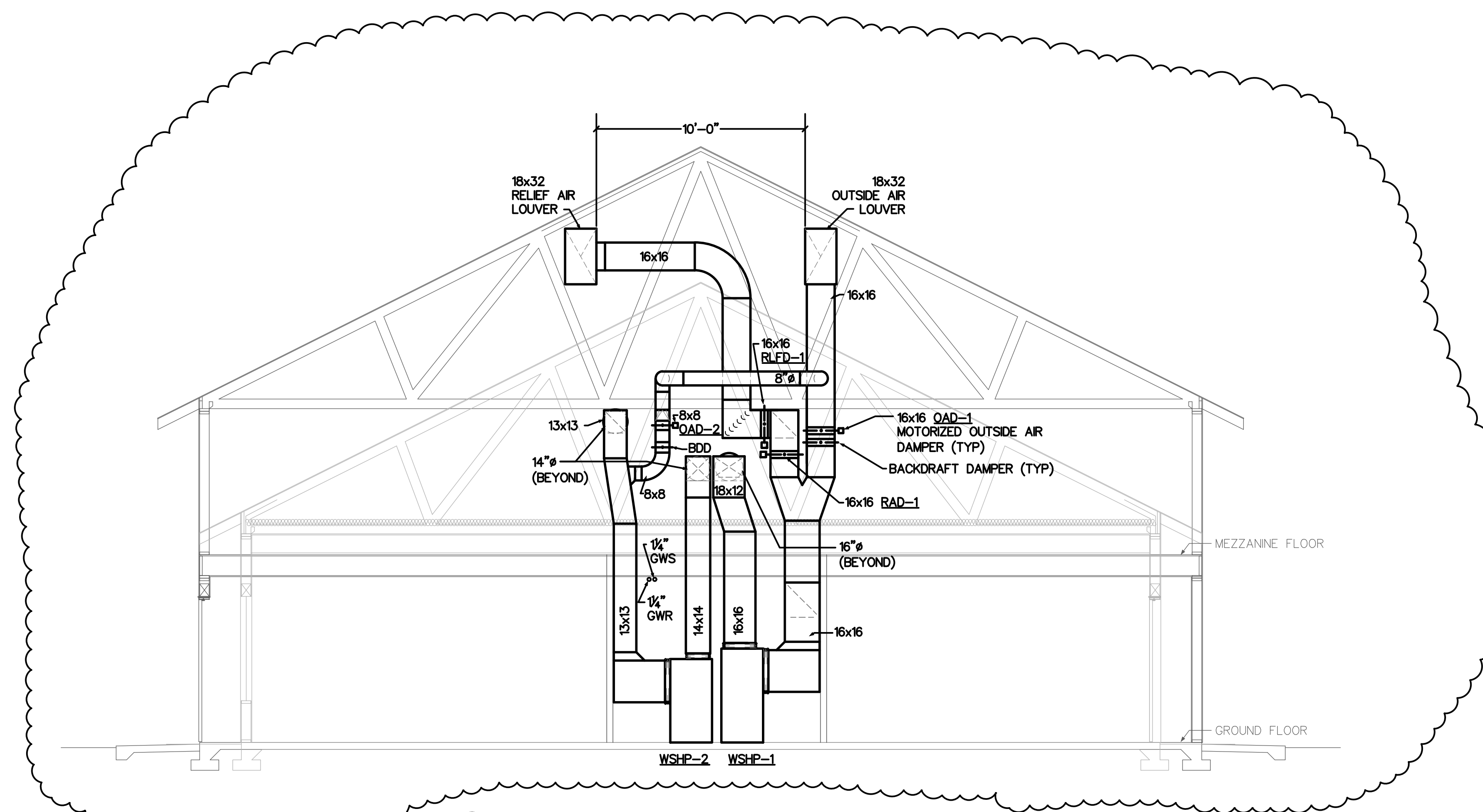
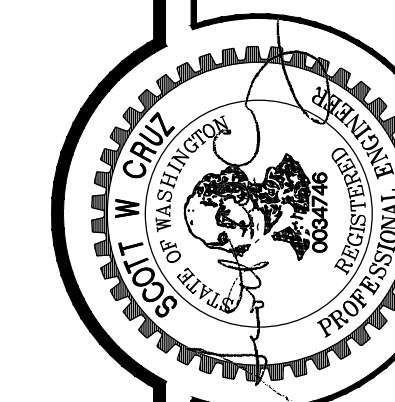




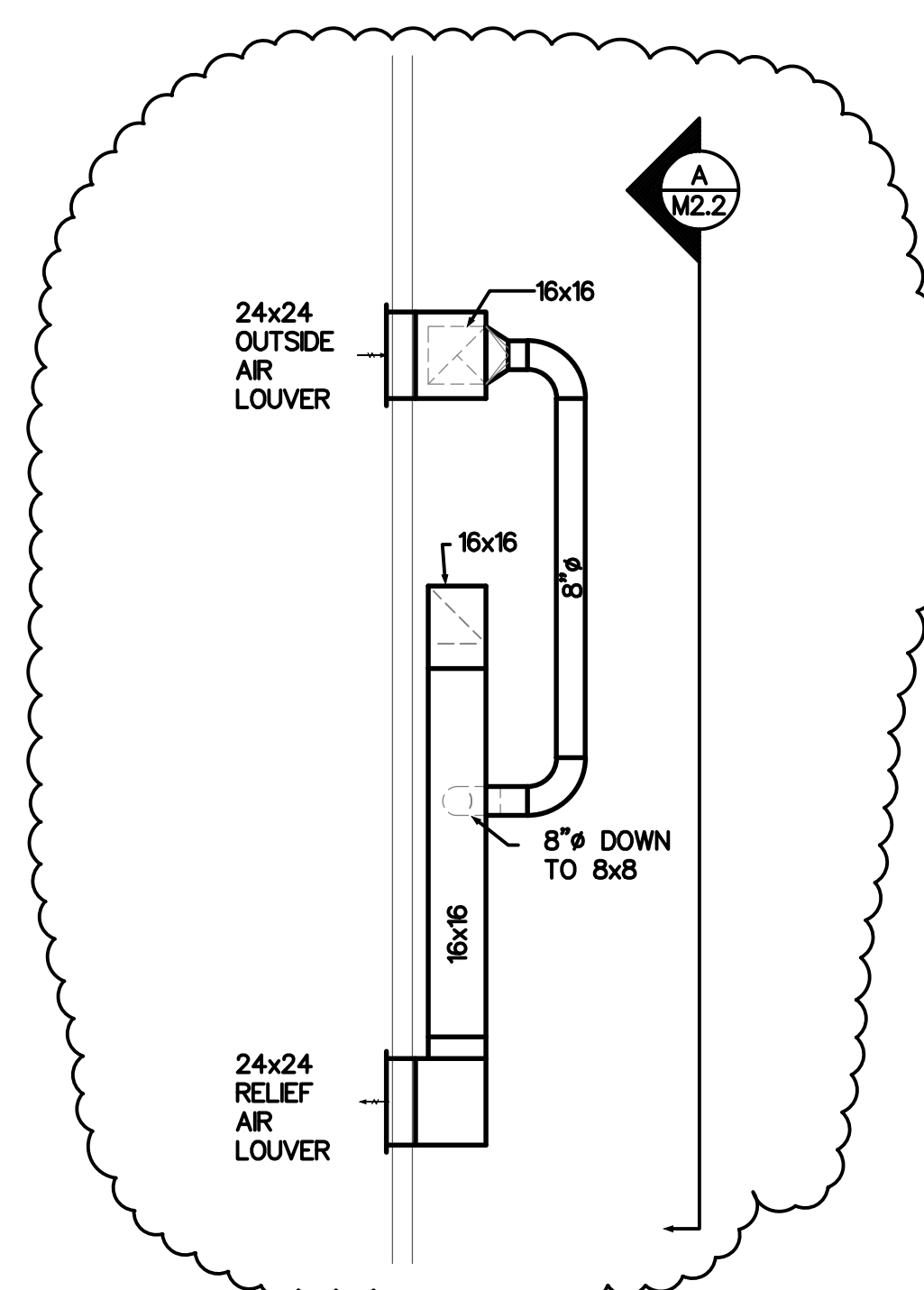
ALTERNATE



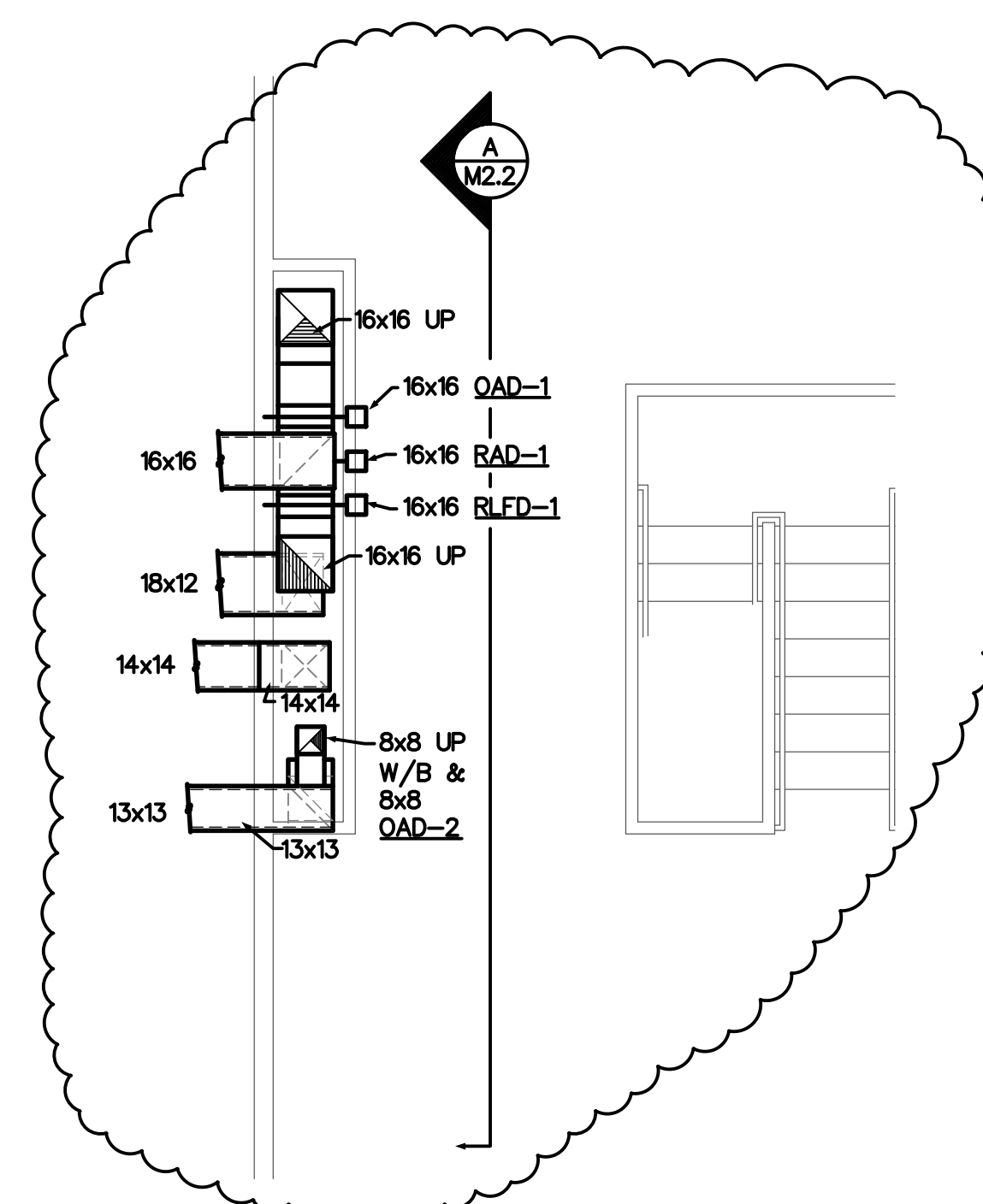
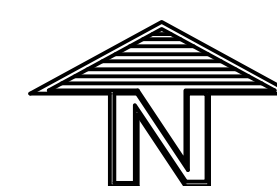
1 HVAC FLOOR PLAN
M2.1 1/4" = 1'-0"



MECHANICAL ROOM SECTION

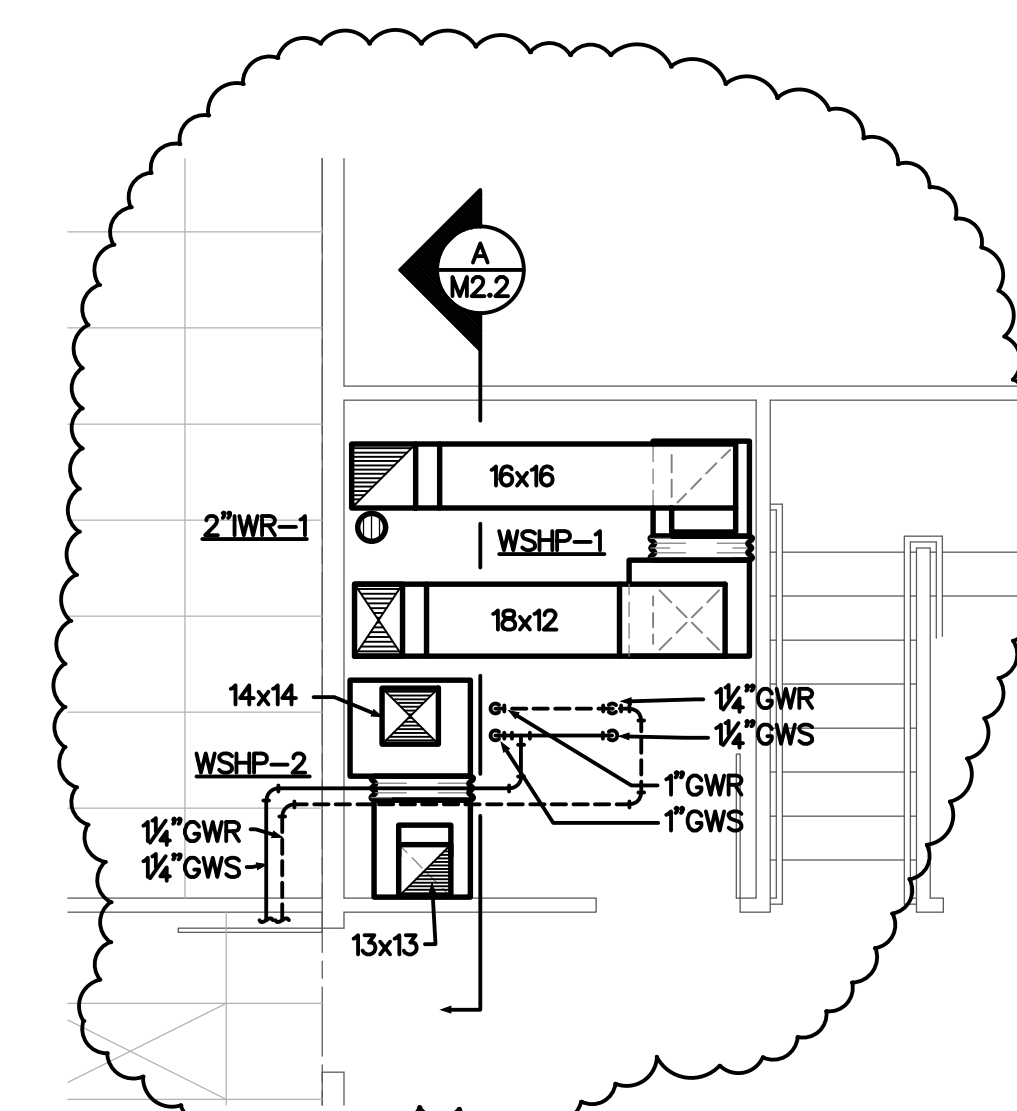
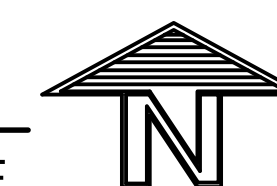


3
M2.2 1/4" = 1'-0" ABOVE MEZZANINE DUCTWORK FLOOR PLAN ALTERNATE



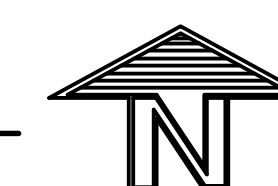
MECHANICAL ROOM
MEZZANINE FLOOR PLAN

2
M2.2 1/4" = 1'-0" ALTERNATE



MECHANICAL ROOM
FLOOR PLAN

1
M2.2 1/4" = 1'-0" ALTERNATE



ALTERNATE