

# BUILDING CODE SUMMARY

## CODE REVIEW

### APPLICABLE CODES

2003 INTERNATIONAL BUILDING CODE (IBC)  
 2003 INTERNATIONAL FIRE CODE (IFC)  
 2005 NATIONAL ELECTRICAL CODE (NEC)  
 2003 INTERNATIONAL MECHANICAL CODE (IMC)  
 2003 UNIFORM PLUMBING CODE (UPC)  
 2004 OREGON STRUCTURAL SPECIALTY CODE  
 OREGON ENERGY CODE  
 OSHA  
 NFPA 820

### HATCHERY BUILDING

OCCUPANCY (CHAPTER 3):

OFFICE AREA: B  
 PRODUCTION AREA: F-2  
 GARAGE: S-2  
 FORMALIN ROOM: H-4

OCCUPANCY SEPARATIONS (TABLE 302.3.2):

B/F-2: 2 HR. (1-1/2 HR. FR OPENINGS)  
 F-2/S-2: 2 HR. (1-1/2 HR. FR OPENINGS)  
 B,F-2/H-4: 1 HR. (1 HR. FR OPENINGS)

FLOOR AREAS:

GROUND FLOOR:  
 OFFICE AREA: 2,411 SF  
 PRODUCTION AREA: 10,251 SF  
 GARAGE: 1,518 SF  
 FORMALIN ROOM: 284 SF  
 TOTAL AREA: 14,464 SF  
 MEZZANINE: 1,140 SF

TYPE OF CONSTRUCTION (CHAPTER 6): IIB  
 FIRE-RESISTIVE RATING REQUIREMENTS (TABLE 601):

STRUCTURAL FRAME: 0  
 BEARING WALLS, EXT.: 0  
 INT.: 0  
 NON-BEARING WALLS: 0  
 FLOOR CONSTRUCTION: 0  
 ROOF CONSTRUCTION: 0

BUILDING HEIGHTS: 1 STORY WITH MEZZANINE  
 ALLOWABLE HEIGHT AND BUILDING AREA (TABLE 503):  
 F-2 IS THE MOST STRINGENT OF THE OCCUPANCIES:

HEIGHT: 3 STORIES  
 AREA: 23,000 SF

SPRINKLERS: NONE  
 OCCUPANT LOADS (TABLE 1004.1.2):

OFFICE AREA: 100 SF/OCC. = 25 OCCUPANTS  
 PRODUCTION AREA: 100 SF/OCC. = 103 OCCUPANTS  
 GARAGE: 100 SF/OCC. = 16 OCCUPANTS  
 FORMALIN ROOM: 300 SF/OCC. = 1 OCCUPANT  
 TOTAL OCCUPANT LOAD: 145 OCCUPANTS

NUMBER OF EXITS (REQUIRED/PROVIDED) TABLE 1014.1:

OFFICE AREA: <50 OCC. = 1 REQ. (2 PROVIDED)  
 PRODUCTION AREA: >100 OCC. = 2 REQ. (4 PROVIDED)  
 GARAGE: <30 OCC. = 1 REQ. (2 PROVIDED)  
 FORMALIN ROOM: <10 OCC. = 1 REQ. (1 PROVIDED)

MAXIMUM DISTANCE TO EXITS (TABLE 1015):

PRODUCTION AREA (F-2): 300 FT (CONFORMS)  
 OFFICE AREA (B): 200 FT (CONFORMS)  
 GARAGE (S-2): 300 FT (CONFORMS)

### UTILITY BUILDING

OCCUPANCY (CHAPTER 3): F-2  
 OCCUPANCY SEPARATIONS (TABLE 302.3.2): NONE REQUIRED  
 FLOOR AREAS:

GROUND FLOOR: 3022 SF  
 MEZZANINE: 533 SF  
 TOTAL AREA: 3555 SF

TYPE OF CONSTRUCTION (CHAPTER 6): VB  
 FIRE-RESISTIVE RATING REQUIREMENTS (TABLE 601):

STRUCTURAL FRAME: 0  
 BEARING WALLS, EXT.: 0  
 INT.: 0  
 NON-BEARING WALLS: 0  
 FLOOR CONSTRUCTION: 0  
 ROOF CONSTRUCTION: 0  
 BUILDING HEIGHTS: 1 STORY WITH MEZZANINE

ALLOWABLE HEIGHT AND BUILDING AREA (TABLE 503): F-2

HEIGHT: 3 STORIES  
 AREA: 23,000 SF

SPRINKLERS: NONE

OCCUPANT LOADS (TABLE 1004.1.2):

GENERATOR ROOM: 100 SF/OCC. = 8 OCCUPANTS  
 WATER TREATMENT ROOM: 100 SF/OCC. = 10 OCCUPANTS  
 CYCLONE ROOM: 100 SF/OCC. = 7 OCCUPANTS  
 TOTAL OCCUPANT LOAD: 25 OCCUPANTS  
 MEZZANINE: 5 OCCUPANTS

NUMBER OF EXITS (REQUIRED/PROVIDED) TABLE 1014.1:

INDUSTRIAL AREAS: <50 OCC. = 1 REQ. (2 PROVIDED)  
 MEZZANINE: >50 OCC. = 1 REQ. (1 PROVIDED)

MAXIMUM DISTANCE TO EXITS (TABLE 1015):

INDUSTRIAL AREA (F-2): 300 FT (CONFORMS)

### SPAWNING BUILDING

OCCUPANCY (CHAPTER 3): F-2  
 FORMALIN ROOM = H-4  
 OCCUPANCY SEPARATIONS (TABLE 302.3.2): F-2/H-4 = 1 HR (1 HR FR OPENING)  
 FLOOR AREAS:

GROUND FLOOR: 1528 SF  
 FORMALIN ROOM: 171 SF  
 TOTAL AREA: 1699 SF

TYPE OF CONSTRUCTION (CHAPTER 6): VB  
 FIRE-RESISTIVE RATING REQUIREMENTS (TABLE 601):

STRUCTURAL FRAME: 0  
 BEARING WALLS, EXT.: 0  
 INT.: 0  
 NON-BEARING WALLS: 0  
 FLOOR CONSTRUCTION: 0  
 ROOF CONSTRUCTION: 0

BUILDING HEIGHTS: 1 STORY  
 ALLOWABLE HEIGHT AND BUILDING AREA (TABLE 503): F-2

HEIGHT: 3 STORIES  
 AREA: 23,000 SF

SPRINKLERS: NONE

OCCUPANT LOADS (TABLE 1004.1.2):

SPAWNING ROOM: 100 SF/OCC. = 13 OCCUPANTS  
 MECHANICAL ROOM: 100 SF/OCC. = 3 OCCUPANTS  
 FORMALIN ROOM: 100 SF/OCC. = 12 OCCUPANTS  
 TOTAL OCCUPANT LOAD: 25 OCCUPANTS

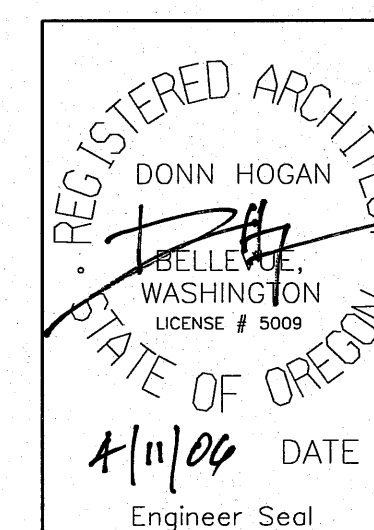
NUMBER OF EXITS (REQUIRED/PROVIDED) TABLE 1014.1:

INDUSTRIAL AREAS: <50 OCC. = 1 REQ. (2 PROVIDED)

MAXIMUM DISTANCE TO EXITS (TABLE 1015):

INDUSTRIAL AREA (F-2): 300 FT (CONFORMS)

NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: GA1-NEOH.dgn							
Design	D. HOGAN						
Drawn	A. KOLOMIYETS						
Chkd							
Sub							
Rec							
Rec							
Appr							
Date							
SERIAL	SOURCE	SHEET NO.	SHEET	REVISION			
		GA1	06				

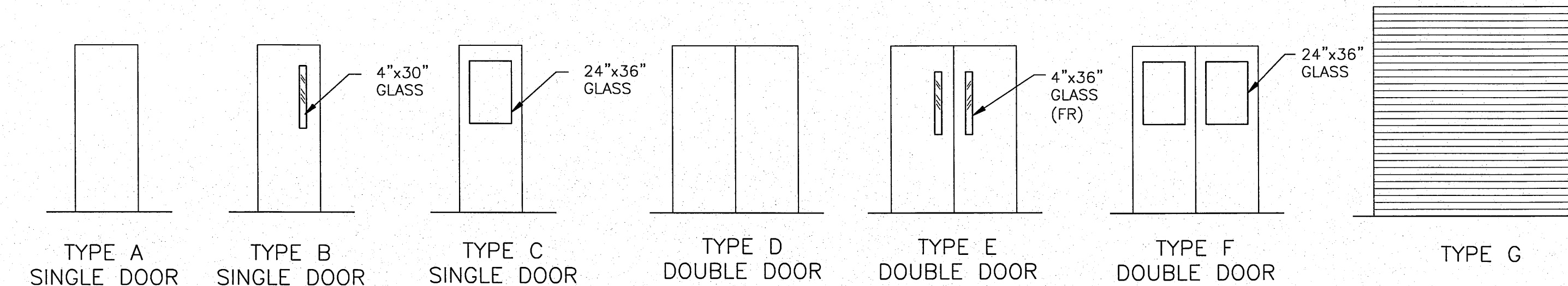


UNITED STATES DEPARTMENT OF ENERGY  
 BONNEVILLE POWER ADMINISTRATION  
 HEADQUARTERS, PORTLAND, OREGON  
 NORTHEAST OREGON HATCHERY PROGRAM  
 LOSTINE RIVER HATCHERY

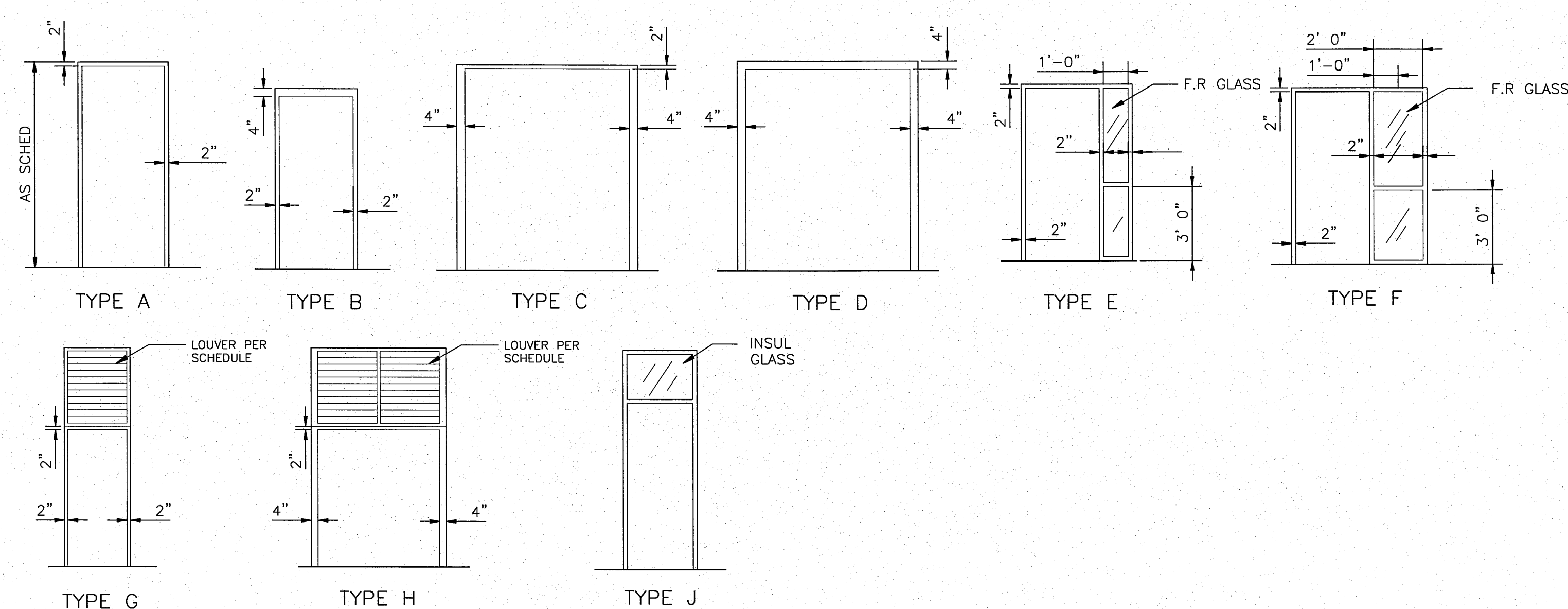
HATCHERY BUILDING  
 CODE REVIEW

DOOR SCHEDULE													
MARK	SIZE	DOOR			FRAME			DETAILS			HDWR	LABEL	REMARKS
		TYPE	MAT'L	FINISH	TYPE	MAT'L	FINISH	HEAD	JAMB	THRESH			
101A	3'-0" x 7'-0"	A	WOOD	PRE-FIN	F	HM	PAINT	8/A10	10,13/A10	-	4	20 MIN	GLASS RELITE
102A	3'-0" x 7'-10"	C	HM	PRE-FIN	A	HM	PAINT	2/A10	6/A10	14/A10	16	-	-
102B	3'-0" x 7'-0"	B	WOOD	PRE-FIN	A	HM	PAINT	8/A10	9,10/A10	-	4	20 MIN	-
103A	3'-0" x 7'-0"	A	WOOD	PRE-FIN	A	HM	PAINT	8/A10	9,15/A10	-	3	20 MIN	-
104A	3'-0" x 7'-0"	A	WOOD	PRE-FIN	A	HM	PAINT	8/A10	9,12/A10	-	3	20 MIN	DOOR
105A	PR 3'-0" x 7'-10"	F	HM	PAINT	C	HM	PAINT	2/A10	5,15/A10	-	20	-	GLASS RELITE
106A	3'-0" x 7'-0"	A	WOOD	PRE-FIN	E	HM	PAINT	8/A10	13,15/A10	-	1	20 MIN	GLASS RELITE
106B	3'-0" x 7'-0"	A	WOOD	PRE-FIN	A	HM	PAINT	8/A10	9,11/A10	-	5	-	-
107A	3'-0" x 7'-0"	A	WOOD	PRE-FIN	E	HM	PAINT	8/A10	13,16/A10	-	1	20 MIN	GLASS RELITE
108A	PR 3'-0" x 7'-0"	E	HM	PAINT	D	HM	PAINT	17/A10	17/A10	-	1	60 MIN	-
109A	PR 3'-0" x 7'-10"	D	HM	PAINT	C	HM	PAINT	1/A10	4/A10	14/A10	6	-	-
109B	3'-0" x 7'-0"	B	HM	PAINT	B	HM	PAINT	7/A10	7/A10	-	9	20 MIN	-
110A	PR 3'-0" x 7'-10"	D	HM	PAINT	C	HM	PAINT	1/A10	4/A10	14/A10	6	-	-
110B	3'-0" x 7'-0"	A	HM	PAINT	B	HM	PAINT	7/A10	7/A10	-	9	60 MIN	-
111A	PR 3'-0" x 7'-0"	F	HM	PAINT	D	HM	PAINT	7/A10	18/A10	-	8	20 MIN	-
112A	3'-0" x 7'-0"	A	WOOD	PRE-FIN	A	HM	PAINT	8/A10	9/A10	-	2	20 MIN	-
113A	3'-0" x 7'-0"	B	WOOD	PRE-FIN	E	HM	PAINT	8/A10	10,13/A10	-	1	20 MIN	-
113B	3'-0" x 7'-10"	C	HM	PAINT	A	HM	PAINT	2/A10	6/A10	14/A10	10	-	-
114A	3'-0" x 7'-0"	B	HM	PAINT	B	HM	PAINT	7/A10	7/A10	-	4	20 MIN	-
115A	3'-0" x 7'-0"	B	HM	PAINT	B	HM	PAINT	7/A10	7/A10	-	4	20 MIN	-
116A	3'-0" x 7'-0"	B	HM	PAINT	B	HM	PAINT	17/A10	17/A10	-	5	-	-
116B	3'-0" x 7'-0"	B	HM	PAINT	B	HM	PAINT	17/A10	17/A10	-	5	-	-
116C	PR 3'-0" x 7'-10"	F	HM	PAINT	C	HM	PAINT	2/A10	5/A10	14/A10	8	-	-
117A	3'-0" x 7'-0"	A	HM	PAINT	G	HM	PAINT	7/A9	3/A10	14/A10	10	-	LOUVER ABOVE DOOR
117B	3'-0" x 7'-0"	A	HM	PAINT	G	HM	PAINT	7/A9	3/A10	14/A10	10	-	LOUVER ABOVE DOOR
117C	3'-0" x 7'-0"	A	HM	PAINT	G	HM	PAINT	7/A9	3/A10	14/A10	10	-	LOUVER ABOVE DOOR
117D	3'-0" x 7'-0"	A	HM	PAINT	G	HM	PAINT	7/A9	3/A10,7/A11	14/A10	10	-	LOUVER ABOVE DOOR
117E	10'-0" x 10'-0"	G	STEEL	PRE-FIN	-	-	-	5/A11	67/A11	-	-	-	COILING STEEL DOOR
118A	3'-0" x 7'-0"	A	HM	PAINT	B	HM	PAINT	7/A10	7/A10	-	1	-	-
119A	3'-0" x 7'-0"	A	HM	PAINT	B	HM	PAINT	7/A10	7/A10	-	3	-	-
120A	PR 3'-0" x 7'-0"	E	HM	PAINT	D	HM	PAINT	7/A10	18/A10	-	7	60 MIN	-
120B	10'-0" x 10'-0"	G	STEEL	PRE-FIN	-	-	-	5/A11	6/A11	-	-	-	COILING STEEL DOOR
120C	10'-0" x 10'-0"	G	STEEL	PRE-FIN	-	-	-	5/A11	6/A11	-	-	-	COILING STEEL DOOR
120D	3'-0" x 7'-10"	C	HM	PAINT	G	HM	PAINT	7/A9	3/A10-7/A11	14/A10	10	-	LOUVER ABOVE DOOR
120E	10'-8" x 14'-0"	G	STEEL	PRE-FIN	-	-	-	5/A11	67/A11	-	-	-	COILING STEEL DOOR
121A	3'-0" x 7'-0"	B	HM	PAINT	B	HM	PAINT	7/A10	7/A10	-	4	-	-
121B	6'-0" x 8'-0"	G	STEEL	PRE-FIN	-	-	-	8/A11	9/A11	-	-	-	COILING STEEL DOOR
121C	6'-0" x 8'-0"	G	STEEL	PRE-FIN	-	-	-	5/A11	6/A11	-	-	-	COILING STEEL DOOR
122A													FREEZER DOOR

DOOR TYPES



FRAME TYPES



ROOM FINISH SCHEDULE

ROOM NO	ROOM NAME	FLOOR		BASE	WALLS		CEILING			REMARKS
		MAT'L	FINISH		MAT'L	FINISH	MAT'L	FINISH	HGT	
101	CREW ROOM	RVT	-	RUBBER	GWB	PAINT	ACT	-	9'-0"	-
102	MUD ROOM	RUBBER TILE	-	RUBBER	GWB	PAINT	ACT	-	9'-0"	-
103	WOMEN	CER. TILE	-	CER. TILE	GWB/CER. TILE	PAINT/GWB	ACT	-	8'-0"	4'-0" TILE WAINSCOT
104	MEN	CER. TILE	-	CER. TILE	GWB/CER. TILE	PAINT/GWB	ACT	-	8'-0"	4'-0" TILE WAINSCOT
105	ENTRY	RVT	-	RUBBER	GWB	PAINT	ACT	-	9'-0"	-
106	OFFICE	RVT	-	RUBBER	GWB	PAINT	ACT	-	9'-0"	-
107	OFFICE	RVT	-	RUBBER	GWB	PAINT	ACT	-	9'-0"	-
108	CORRIDOR	RVT	-	RUBBER	GWB	PAINT	ACT	-	9'-0"	-
109	STORAGE	CONC	SEALER	-	CMU	LWR (1)	CONC	-	8'-8"	-
110	FORMALIN	CONC	SEALER	-	CMU	PAINT	CONC	-	8'-8"	-
111	CORRIDOR	CONC	SEALER	-	CMU	LWR (1)	ACT	-	9'-0"	-
112	ELEC ROOM	CONC	SEALER	RUBBER	GWB	PAINT	ACT	-	9'-0"	-
113	MULTI-PURPOSE	RVT	-	RUBBER	GWB	PAINT	ACT	-	9'-0"	-
114	INCUBATION	CONC	SEALER	-	CMU	PAINT	CONC	-	8'-8"	-
115	INCUBATION	CONC	SEALER	-	CMU	PAINT	CONC	-	8'-8"	-
116	WET ROOM	RVT	-	RUBBER	CMU	PAINT	ACT	-	9'-0"	-
117	PRODUCTION	CONC	SEALER	-	CMU	PAINT	STEEL STRUCT	PAINT	VARIES	-
118	MECH/ ELEC	CONC	SEALER	-	CMU	LWR (1)	CONC	-	10'-0"	-
119	RESTROOM	CONC	SEALER	-	CMU	PAINT	CONC	-	10'-0"	-
120	GARAGE	CONC	SEALER	-	CMU	LWR (1)	STEEL STRUCT	PAINT	VARIES	-
121	FEED STOR	CONC	SEALER	-	CMU	LWR (1)	STEEL STRUCT	PAINT	VARIES	-
122	FREEZER	-	-	-	-	-	-	-	-	-
123	MEZZANINE	-	-	-	-	-	-	-	-	-

1) LWR=LIQUID WATER REPELLANT

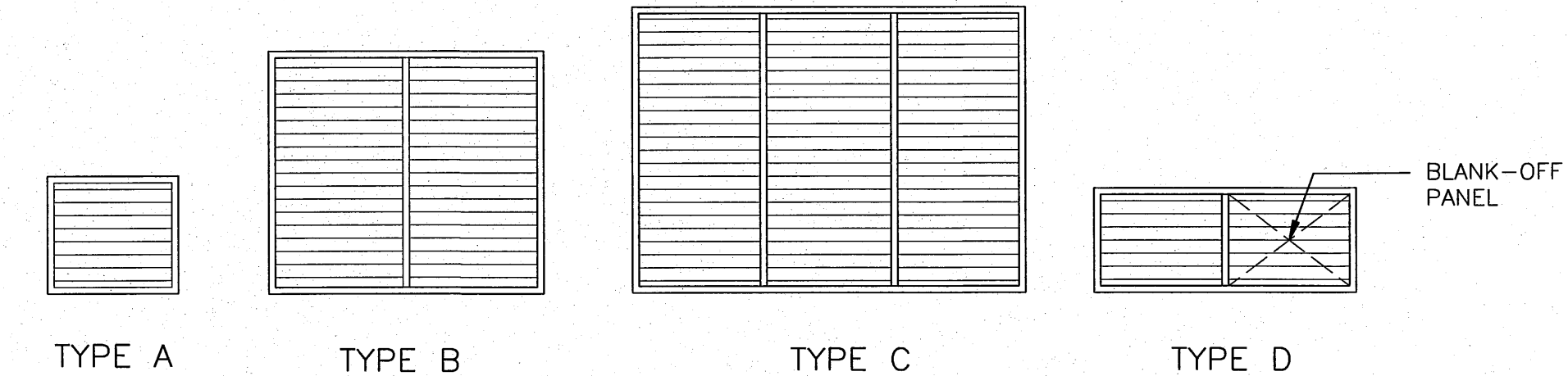
LOUVER SCHEDULE

MARK	SIZE	TYPE	MAT'L	FINISH	DETAILS			REMARKS
					HEAD	JAMB	SILL	
101	48" X 48"	A	ALUM	PRE-FIN	8/A9	6/A9	10/A9	PROVIDE INSUL. BLANK-OFF PANEL AS REQ'D
102	84" X 72"	B	ALUM	PRE-FIN	8/A9	6/A9	10/A9	PROVIDE INSUL. BLANK-OFF PANEL AS REQ'D
103	40" X 36"	A	ALUM	PRE-FIN	8/A9	6/A9	7/A9	MOTORIZED DAMPER
104	40" X 36"	A	ALUM	PRE-FIN	8/A9	6/A9	7/A9	MOTORIZED DAMPER
105	40" X 36"	A	ALUM	PRE-FIN	8/A9	6/A9	7/A9	MOTORIZED DAMPER
106	40" X 36"	A	ALUM	PRE-FIN	8/A9	6/A9	7/A9	MOTORIZED DAMPER
107	40" X 36"	A	ALUM	PRE-FIN	8/A9	6/A9	7/A9	MOTORIZED DAMPER
108	40" X 36"	A	ALUM	PRE-FIN	8/A9	6/A9	7/A9	MOTORIZED DAMPER
109	40" X 84"	A	ALUM	PRE-FIN	8/A9	6/A9	7/A9	PROVIDE INSUL. BLANK-OFF PANEL AS REQ'D, MOTORIZED DAMPER

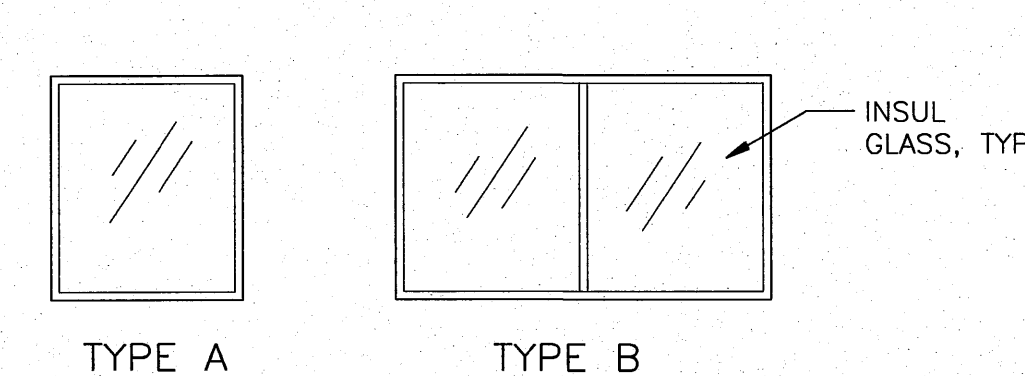
WINDOW SCHEDULE

MARK	SIZE	TYPE	MAT'L	FINISH	DETAILS			REMARKS
					HEAD	JAMB	SILL	
101	PR 4'-0" x 4'-8"	A(2)	ALUM	ANOD	1/A9	2,3/A9	4/A9	DOUBLE WINDOW
102	PR 4'-0" x 4'-8"	A(2)	ALUM	ANOD	1/A9	2,3/A9	4/A9	DOUBLE WINDOW
103	PR 4'-0" x 4'-8"	A(2)	ALUM	ANOD	1/A9	2,3/A9	4/A9	DOUBLE WINDOW
104	4'-0" x 4'-8"	A	ALUM	ANOD	1/A9	3/A9	4/A9	-
105	PR 4'-0" x 4'-8"	A(2)	ALUM	ANOD	1/A9	2,3/A9	4/A9	DOUBLE WINDOW
106	PR 4'-0" x 4'-8"	A(2)	ALUM	ANOD	1/A9	2,3/A9	4/A9	DOUBLE WINDOW

LOUVER TYPES



WINDOW TYPES



NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: GA2-NEOH.dgn							
Design	D. HOGAN						
Drawn	A. KOLOMIYETS						
Chkd							
Sub							
Rec							
Rec							
Appr							
Date							
SERIAL		SOURCE	SHEET NO.	SHEET	REVISION		
			GA2	DE			

REGISTERED ARCHITECT  
DONN HOGAN  
BELLEVUE, WASHINGTON  
LICENSE # 5009  
4/11/02 DATE  
Engineer Seal

HDR | FISHPRO

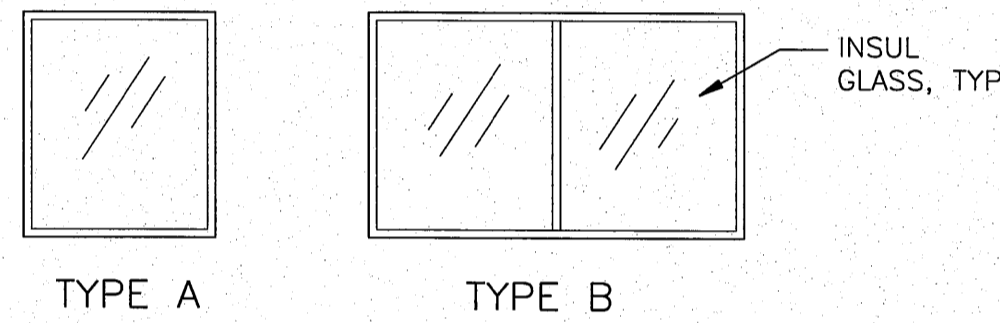
UNITED STATES DEPARTMENT OF ENERGY  
BONNEVILLE POWER ADMINISTRATION  
HEADQUARTERS, PORTLAND, OREGON  
NORTHEAST OREGON HATCHERY PROGRAM  
LOSTINE RIVER HATCHERY

HATCHERY BUILDING  
ARCHITECTURAL SCHEDULES

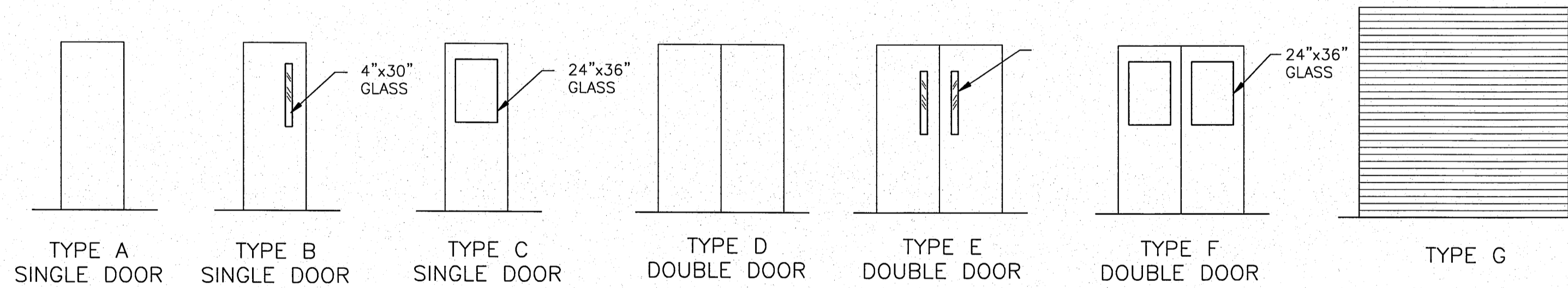
DOOR SCHEDULE													
MARK	SIZE	DOOR			FRAME			DETAILS			HDWR	LABEL	REMARKS
		TYPE	MAT'L	FINISH	TYPE	MAT'L	FINISH	HEAD	JAMB	THRESH			
201A	3'-0" X 7'-10"	A	HM	PAINT	A	HM	PAINT	1/A10	3/A10	14/A10	10	-	
201B	PR 3'-0" X 7'-10"	D	HM	PAINT	C	HM	PAINT	1/A10	4/A10	14/A10	6	-	
202A	3'-0" X 7'-0"	A	HM	PAINT	G	HM	PAINT	7/A9	3/A10	14/A10	10	-	LOUVER ABOVE DOOR
202B	PR 3'-0" X 7'-0"	D	HM	PAINT	H	HM	PAINT	7/A9	4/A10	14/A10	6	-	LOUVER ABOVE DOOR
203A	3'-0" X 7'-0"	A	HM	PAINT	G	HM	PAINT	7/A9	3/A10	14/A10	6	-	LOUVER ABOVE DOOR
203B	3'-0" X 7'-0"	A	HM	PAINT	G	HM	PAINT	7/A9	3/A10	14/A10	6	-	LOUVER ABOVE DOOR
203C	10'-0" X 8'-0"	G	STEEL	PRE-FIN	-	-	-	5/A11	6/A11	-	-	-	COILING STEEL DOOR
203D	10'-0" X 8'-0"	G	STEEL	PRE-FIN	-	-	-	5/A11	6/A11	-	-	-	COILING STEEL DOOR
203E	3'-0" X 7'-2"	A	HM	PAINT	B	HM	PAINT	1/A10	3/A10	8/A17	6	-	
301A	10'-0" X 10'-0"	G	STEEL	PRE-FIN	-	-	-	5/A11	6/A11	-	-	-	COILING STEEL DOOR
301B	3'-0" X 7'-0"	B	HM	PAINT	G	HM	PAINT	7/A9	3/A10	14/A10	10	-	LOUVER ABOVE DOOR
301C	3'-0" X 7'-2"	A	HM	PAINT	A	HM	PAINT	1/A10	3/A10,10/A11	14/A10	10	-	
302A	PR 3'-0" X 7'-10"	D	HM	PAINT	C	HM	PAINT	7/A9	4/A10	14/A10	6	-	LOUVER ABOVE DOOR
302B	3'-0" X 7'-2"	A	HM	PAINT	B	HM	PAINT	7/A10	7/A10	-	9	-	
303A	3'-0" X 7'-2"	A	HM	PAINT	B	HM	PAINT	7/A10	7/A10	-	9	60 MIN	
303B	PR 3'-0" X 7'-10"	D	HM	PAINT	C	HM	PAINT	7/A9	4/A10	14/A10	6	-	LOUVER ABOVE DOOR

WINDOW SCHEDULE									
MARK	SIZE	TYPE	MAT'L	FINISH	DETAILS			REMARKS	
					HEAD	JAMB	SILL		
301	6'-0" x 4'-0"	B	ALUM	ANOD	7/A22	8/A22	9/A22		
302	6'-0" x 4'-0"	B	ALUM	ANOD	7/A22	8/A22	9/A22		
303	6'-0" x 4'-0"	B	ALUM	ANOD	7/A22	8/A22	9/A22		

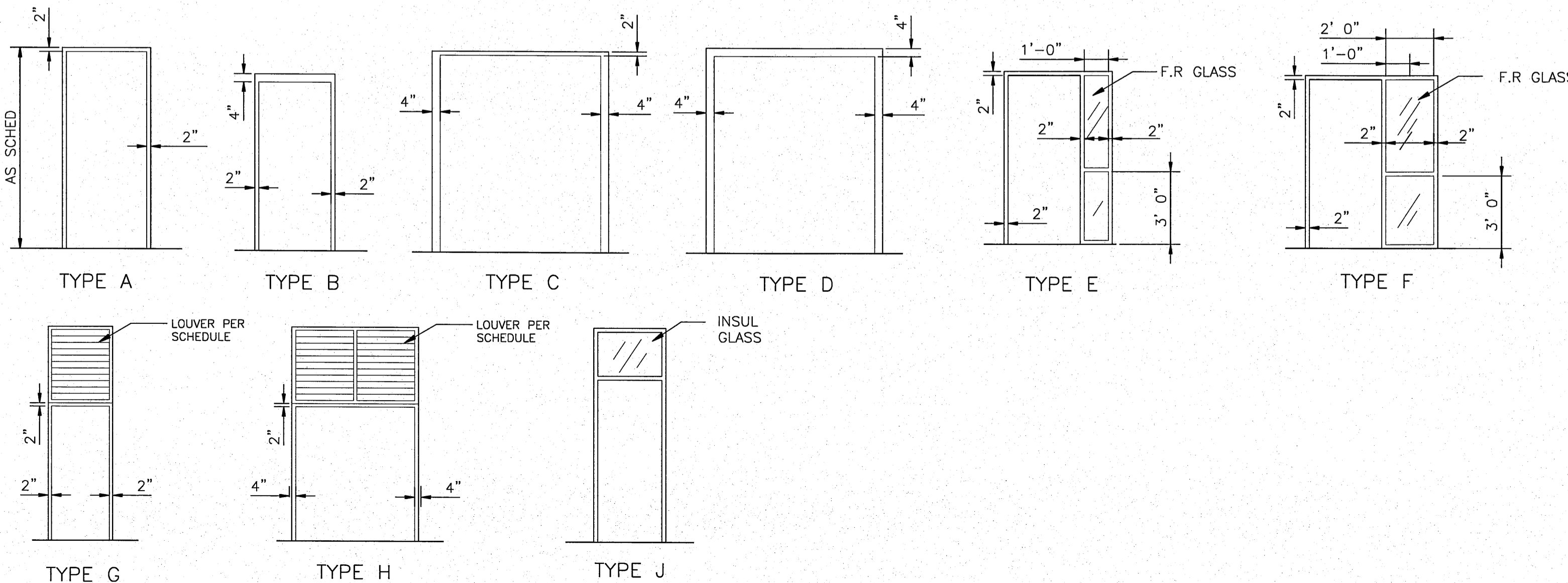
WINDOW TYPES



DOOR TYPES



FRAME TYPES



ROOM FINISH SCHEDULE

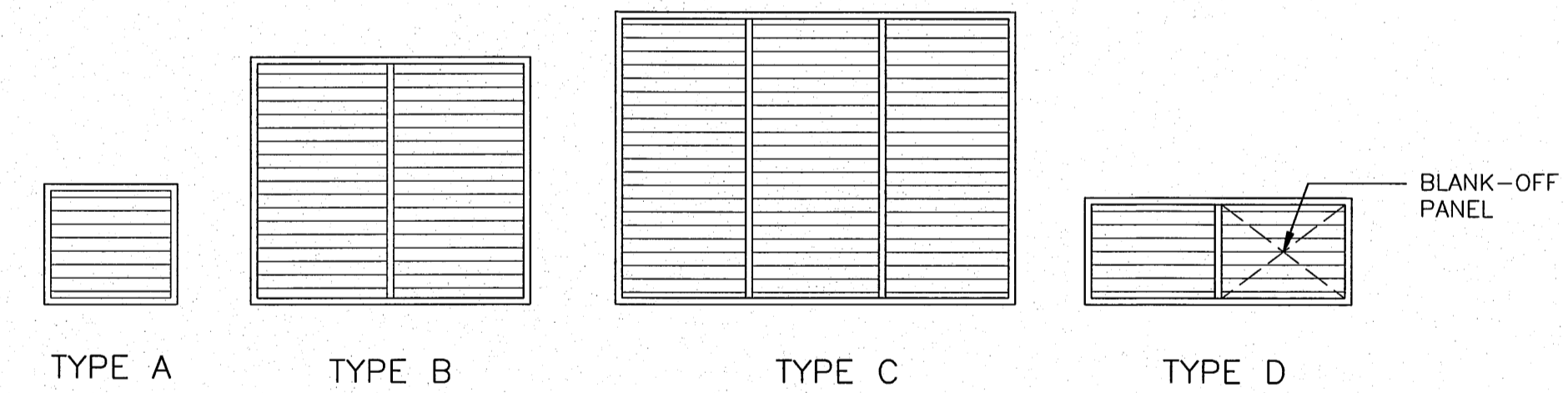
ROOM NO	ROOM NAME	FLOOR		BASE	WALLS		CEILING			REMARKS
		MAT'L	FINISH		MAT'L	FINISH	MAT'L	FINISH	HGT	
201	GENERATOR ROOM	CONC	SEALER	-	CMU	LWR (1)	WOOD STR	-	VARIES	
202	WATER TREATMENT	CONC	SEALER	-	CMU	LWR (1)	WOOD STR	-	VARIES	
203	CYCLONE ROOM	CONC	SEALER	-	CMU	LWR (1)	WOOD STR	-	VARIES	
301	SPAWNING ROOM	CONC	SEALER	-	CMU	LWR (1)	WOOD STR	-	VARIES	
302	MECHANICAL ROOM	CONC	SEALER	-	CMU	LWR (1)	WOOD STR	-	VARIES	
303	FORMALIN ROOM	CONC	SEALER	-	CMU	LWR (1)	CONC	-	12'-0"	

1) LWR=LIQUID WATER REPELLANT

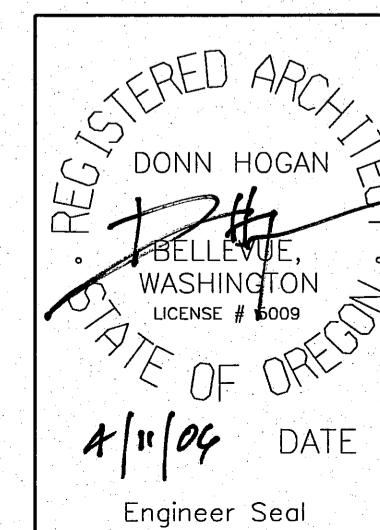
LOUVER SCHEDULE

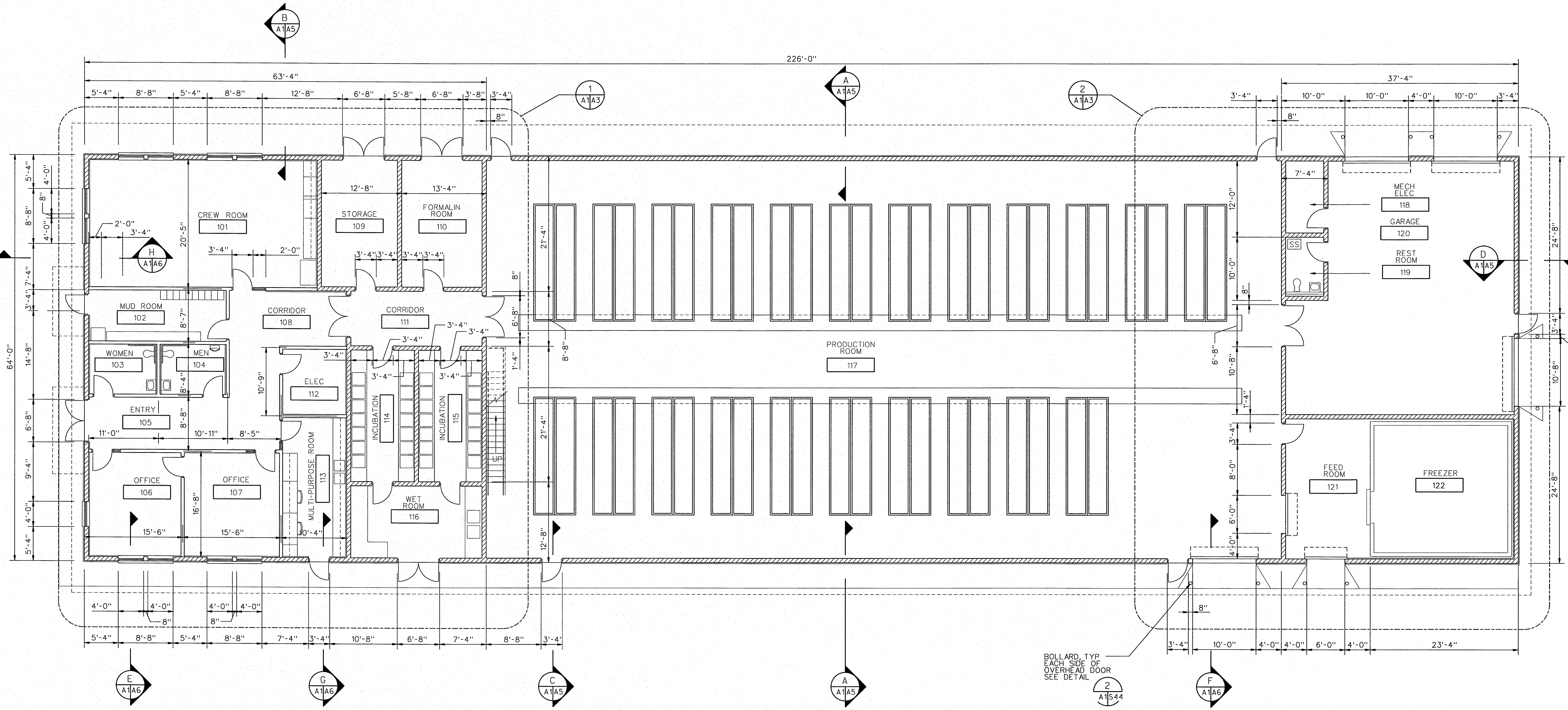
MARK	SIZE	TYPE	MAT'L	FINISH	DETAILS			REMARKS
					HEAD	JAMB	SILL	
201	144" X 78"	C	ALUM	PRE-FIN	8/A9	6/A9	9/A9	MOTORIZED DAMPER
202	120" X 78"	C	ALUM	PRE-FIN	8/A9	6/A9	9/A9	MOTORIZED DAMPER
203	40" X 36"	A	ALUM	PRE-FIN	8/A9	6/A9	7/A9	MOTORIZED DAMPER
204	80" X 32"	D	ALUM	PRE-FIN	8/A9	6/A9	7/A9	PROVIDE INSUL. BLANK-OFF PANEL AS REQ'D, MOTORIZED DAMPER
205	40" X 36"	A	ALUM	PRE-FIN	8/A9	6/A9	7/A9	MOTORIZED DAMPER
206	40" X 36"	A	ALUM	PRE-FIN	8/A9	6/A9	7/A9	MOTORIZED DAMPER
207	48" X 48"	A	ALUM	PRE-FIN	8/A9	6/A9	10/A9	MOTORIZED DAMPER
208	120" X 72"	C	ALUM	PRE-FIN	8/A9	6/A9	10/A9	MOTORIZED DAMPER
209	120" X 72"	C	ALUM	PRE-FIN	8/A9	6/A9	10/A9	
210	120" X 72"	C	ALUM	PRE-FIN	8/A9	6/A9	10/A9	
211	120" X 72"	C	ALUM	PRE-FIN	8/A9	6/A9	10/A9	
212	32" X 32"	A	ALUM	PRE-FIN	8/A9	6/A9	10/A9	
301	40" X 36"	A	ALUM	PRE-FIN	8/A9	6/A9	7/A9	MOTORIZED DAMPER
302	80" X 24"	D	ALUM	PRE-FIN	8/A9	6/A9	7/A9	PROVIDE INSUL BLANK-OFF PANEL AS REQ'D, MOTORIZED DAMPER
303	36" X 36"	A	ALUM	PRE-FIN	8/A9	6/A9	10/A9	
304	80" X 24"	D	ALUM	PRE-FIN	8/A9	6/A9	7/A9	PROVIDE INSUL BLANK-OFF PANEL AS REQ'D, MOTORIZED DAMPER

LOUVER TYPES

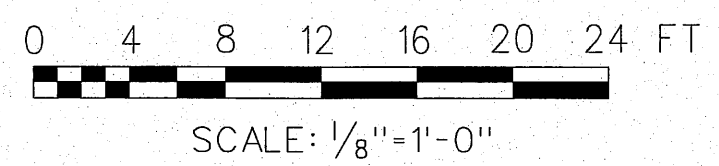


NO.	W/O	COMPUTER REVISION ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: GA3-NEOH.dgn					
Design	D. HOGAN				
Drawn	A. KOLMIYETS				
Chkd					
Sub					
Rec					
Rec					
Appr					
Date					
SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
		GA3	0E		



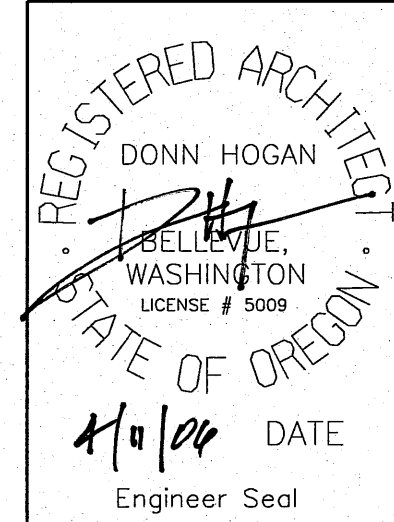


### FLOOR PLAN

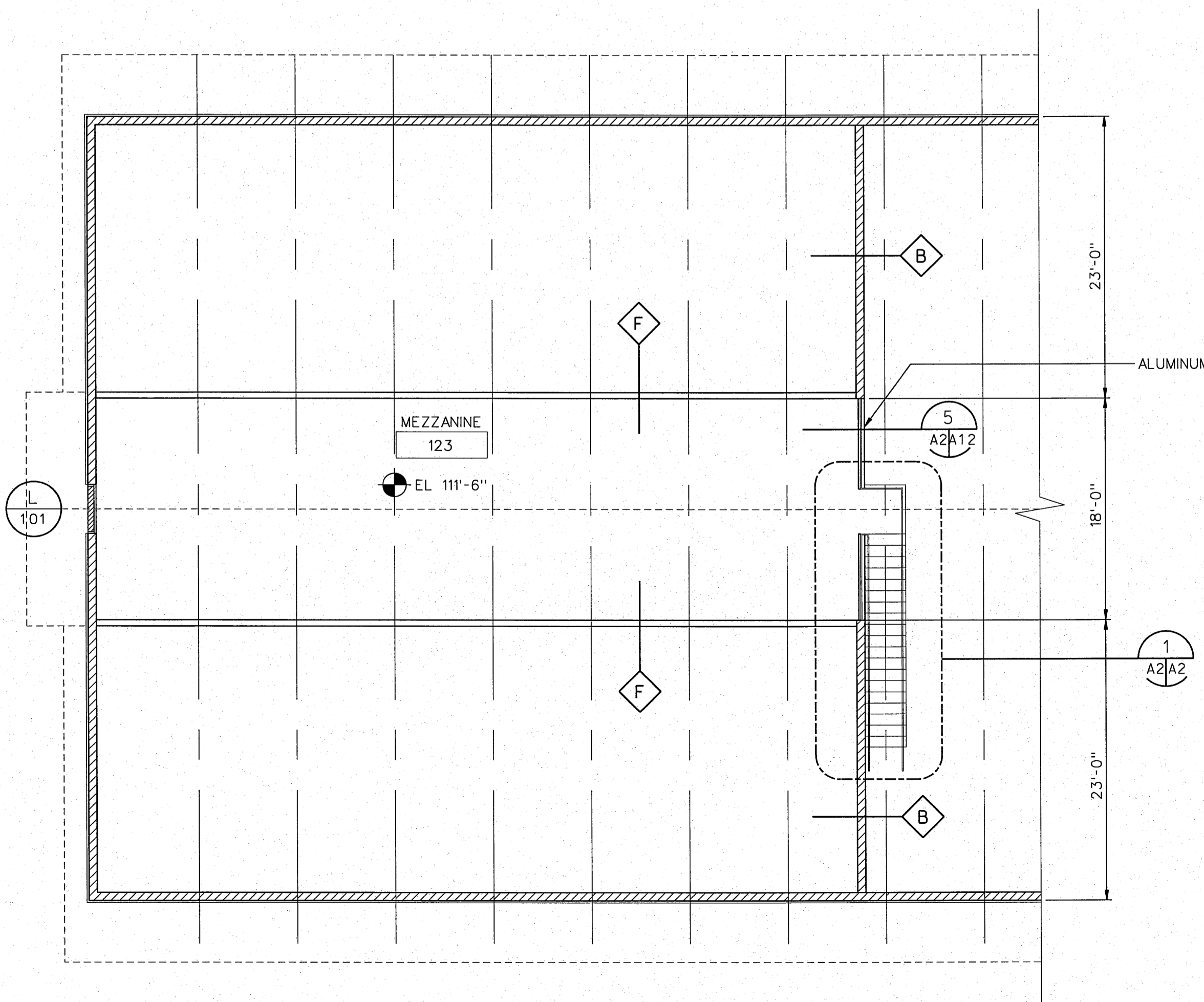
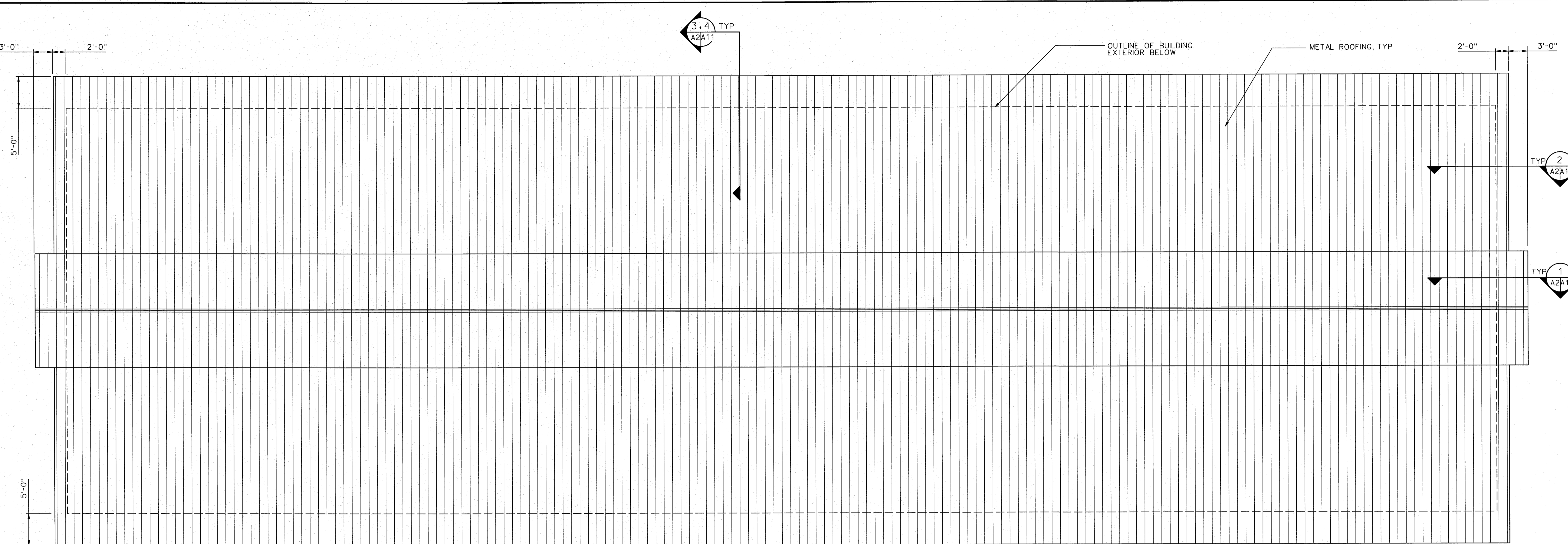


BOLLARD, TYP  
EACH SIDE OF  
OVERHEAD DOOR  
SEE DETAIL

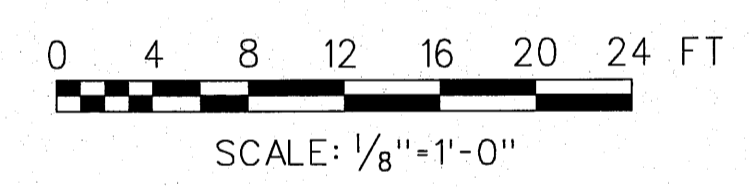
NOTE:  
1. SEE SHEET NO. A9  
FOR WALL TYPES



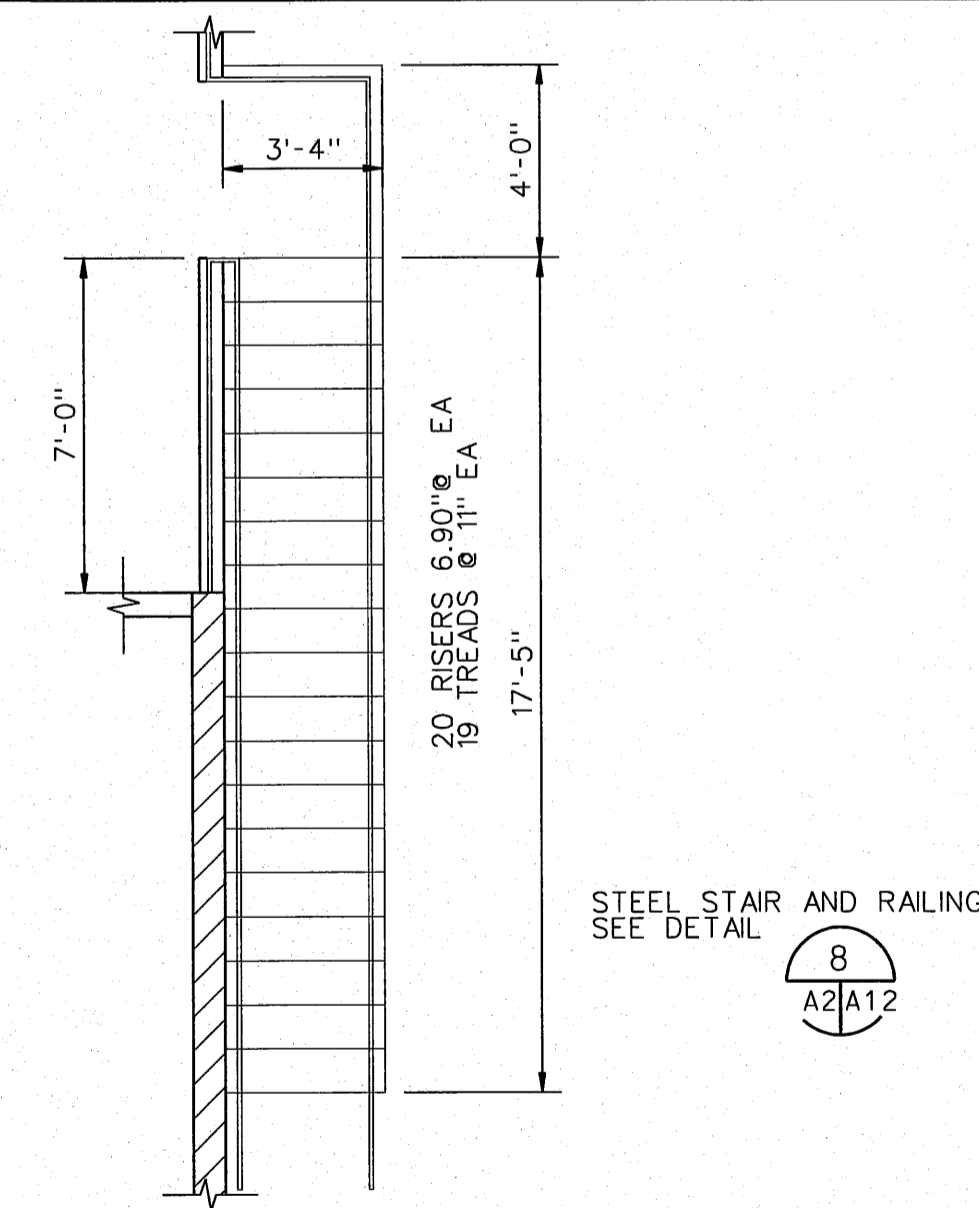
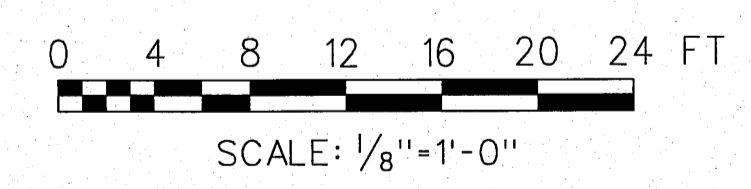
NO.	W/O	COMPUTER REVISION ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: AO1_NEOH.dgn					
Design	D. HOGAN	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON			
Drawn	A. KOLOMIYETS	NORTHEAST OREGON HATCHERY PROGRAM LOSTINE RIVER HATCHERY			
Chkd		<b>HATCHERY BUILDING FLOOR PLAN</b>			
Sub					
Rec					
Appr					
Date		SOURCE	SHEET NO.	SHEET	REVISION
			A1	OF	



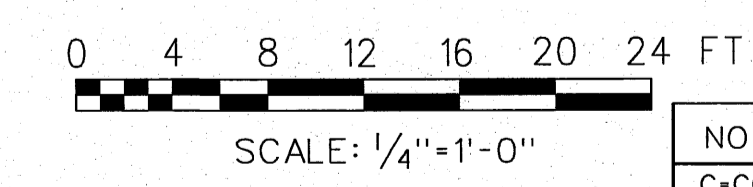
ROOF PLAN



MEZZANINE PLAN



INTERIOR STAIR

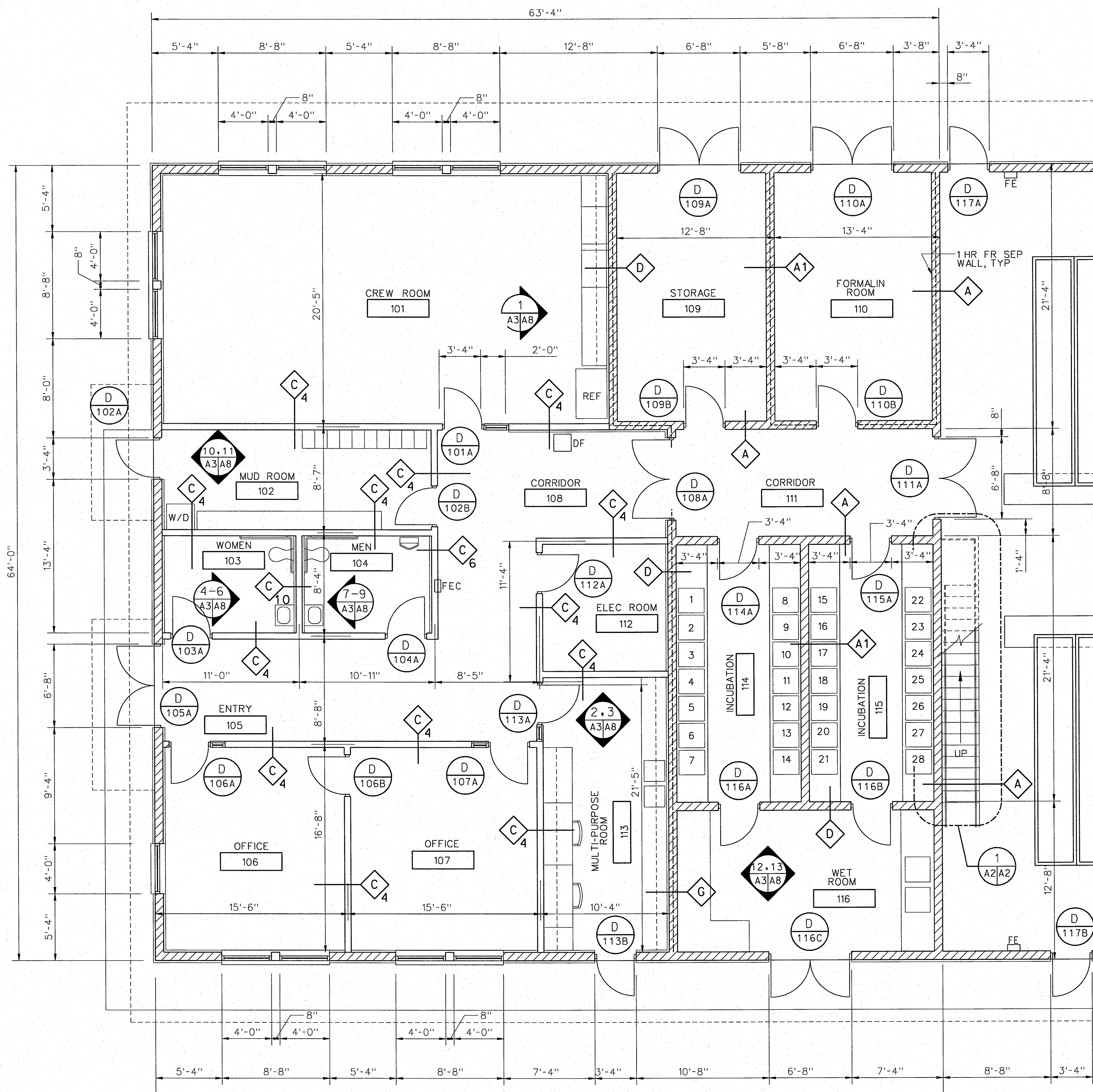


NOTE:  
 1. SEE SHEET NO. A9 FOR WALL TYPES.  
 2. PLUMBING VENTS AND HVAC PENETRATIONS ARE NOT SHOWN-SEE MECHANICAL DRAWINGS FOR LOCATIONS

REGISTERED ARCHITECT  
 DONN HOGAN  
 BELLEVUE, WASHINGTON  
 LICENSE # 5009  
 4/10/06 DATE  
 Engineer Seal

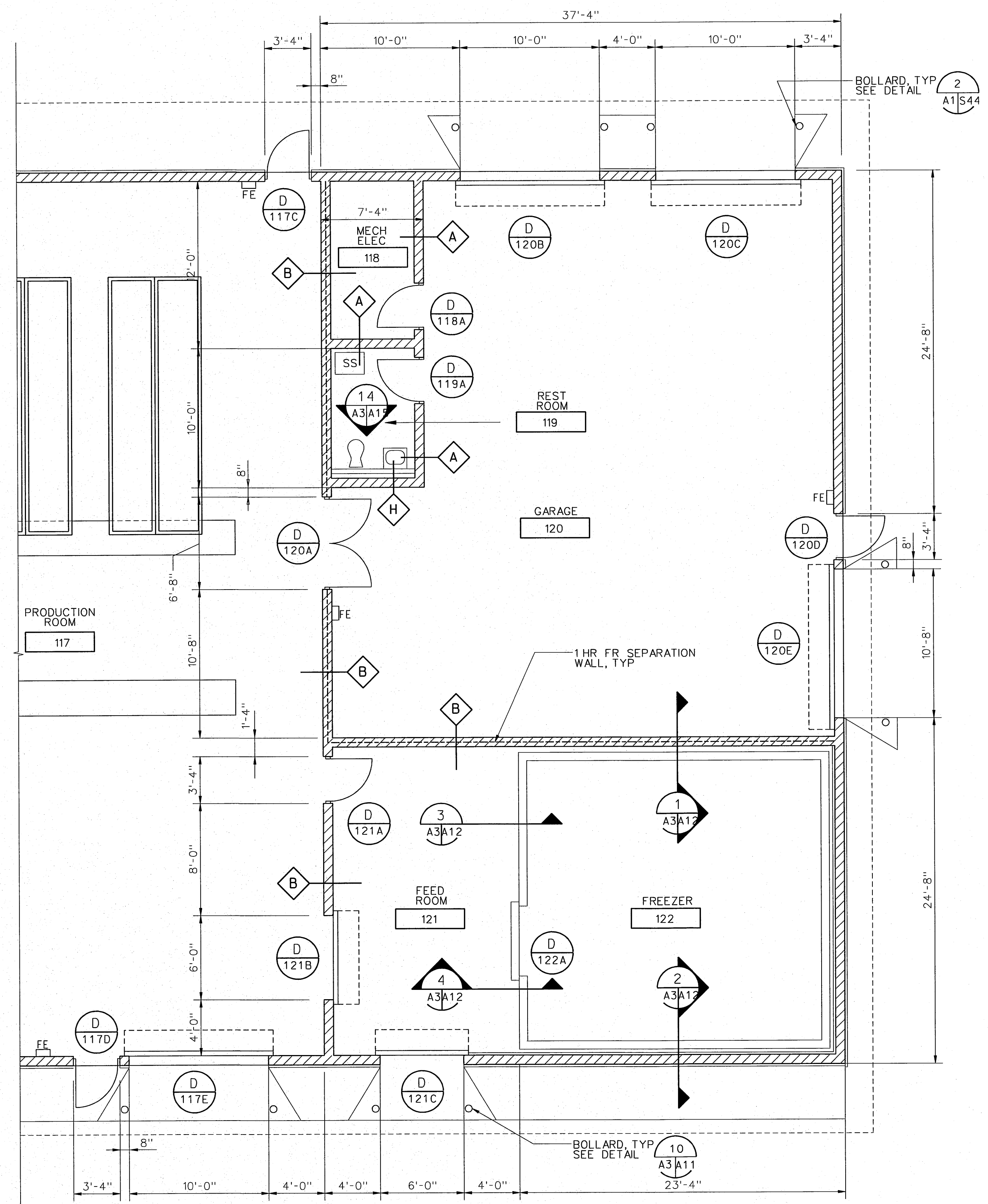
**HDR | FISPRO**

NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT	CONSTR., FA-FORCE	ACCOUNT	CONSTR., R-RECORD	FILE NAME: A02-NEOH.dgn			
Design	D. HOGAN	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON					
Drawn	A. KOLOMIYETS	NORTHEAST OREGON HATCHERY PROGRAM LOSTINE RIVER HATCHERY					
Chkd		HATCHERY BUILDING MEZZANINE / ROOF PLAN					
Sub							
Rec							
Rec							
Appr		SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
Date				A2	OF		

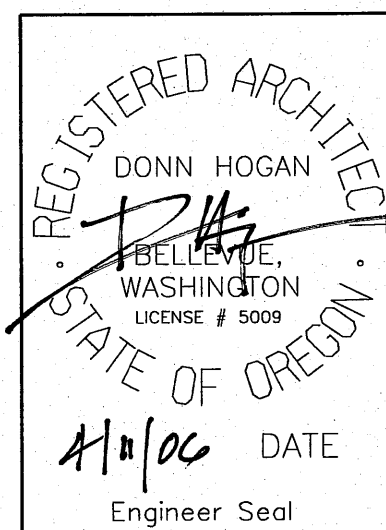


ADMINISTRATION AREA 1  
A1/A3  
SCALE: 3/16" = 1'-0"

NOTE: SEE SHEET A9 FOR WALL TYPES



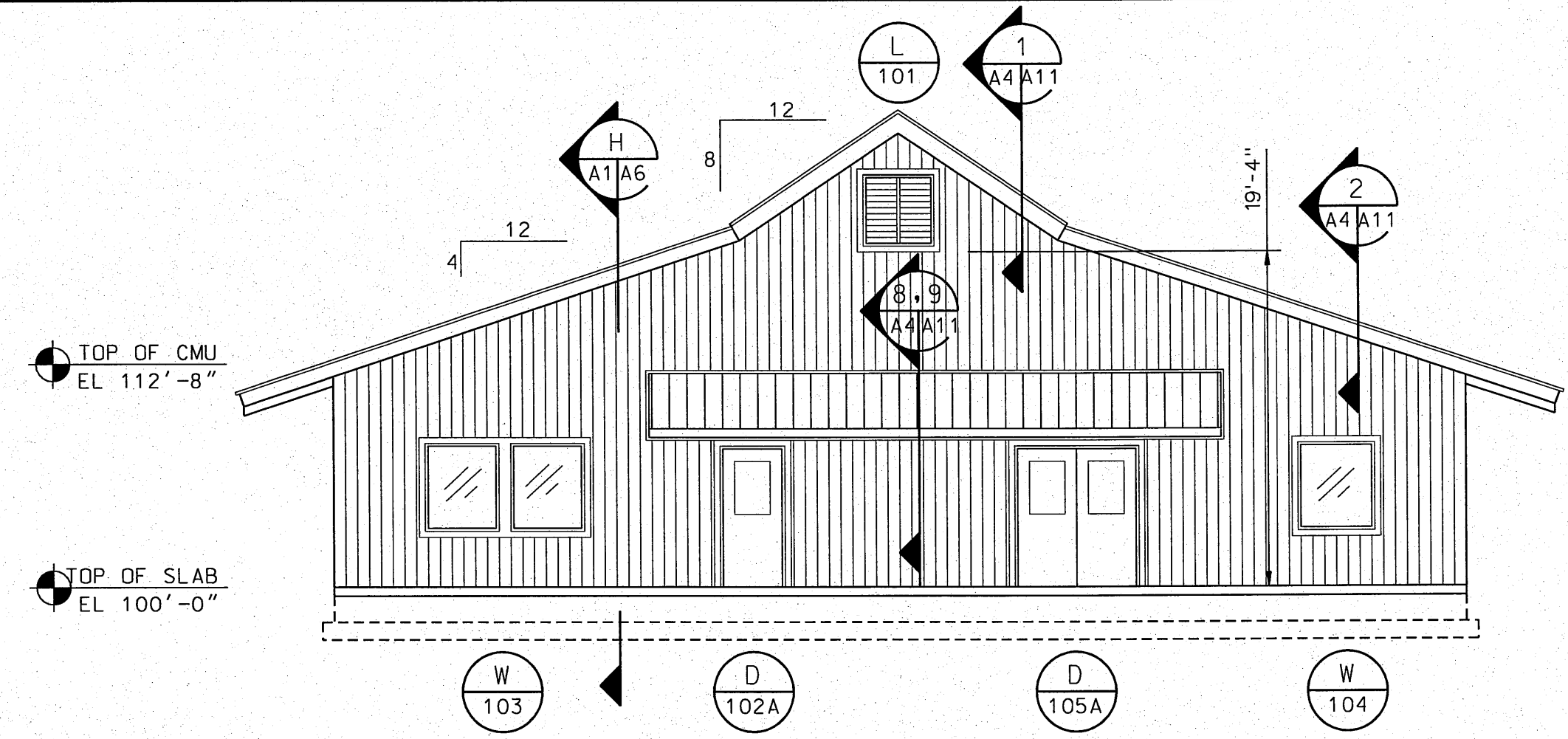
GARAGE/STORAGE AREA 2  
A1/A3  
SCALE: 3/16" = 1'-0"



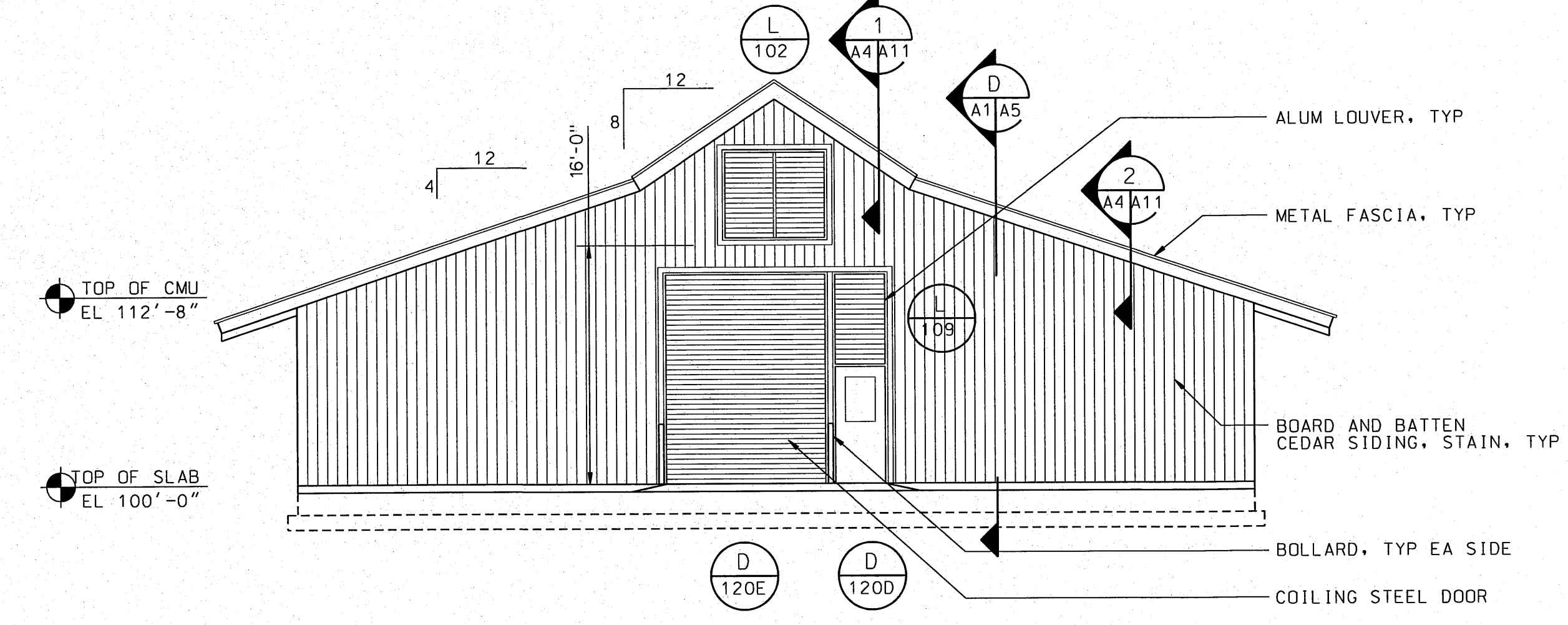
NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: A03_NEOH.dgn							
Design	D. HOGAN						
Drawn	A. KOLOMIYETS						
Chk'd							
Sub							
Rec							
Rec							
Appr							
Date							
SERIAL		SOURCE	SHEET NO.	SHEET	REVISION		
			A3	OF			

UNITED STATES DEPARTMENT OF ENERGY  
BONNEVILLE POWER ADMINISTRATION  
HEADQUARTERS, PORTLAND, OREGON  
NORTHEAST OREGON HATCHERY PROGRAM  
LOSTINE RIVER HATCHERY

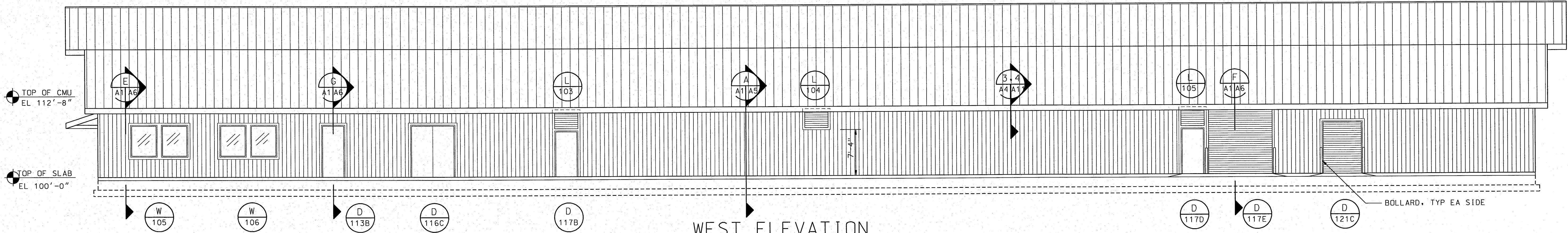
HATCHERY BUILDING  
ENLARGED FLOOR PLANS



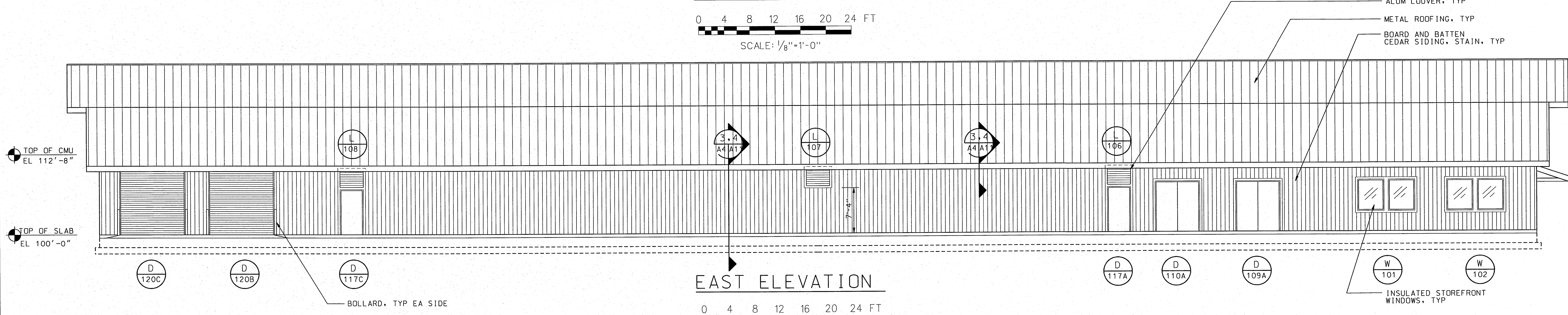
**NORTH ELEVATION**  
 0 4 8 12 16 20 24 FT  
 SCALE: 1/8"=1'-0"



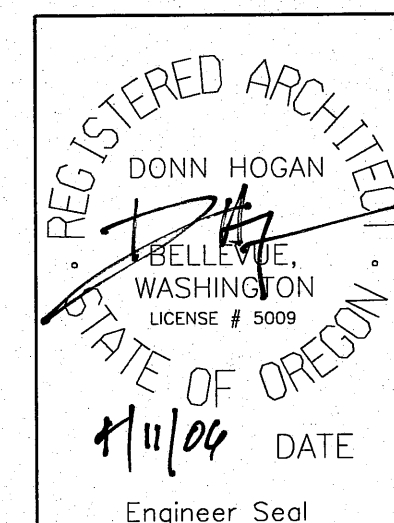
**SOUTH ELEVATION**  
 0 4 8 12 16 20 24 FT  
 SCALE: 1/8"=1'-0"



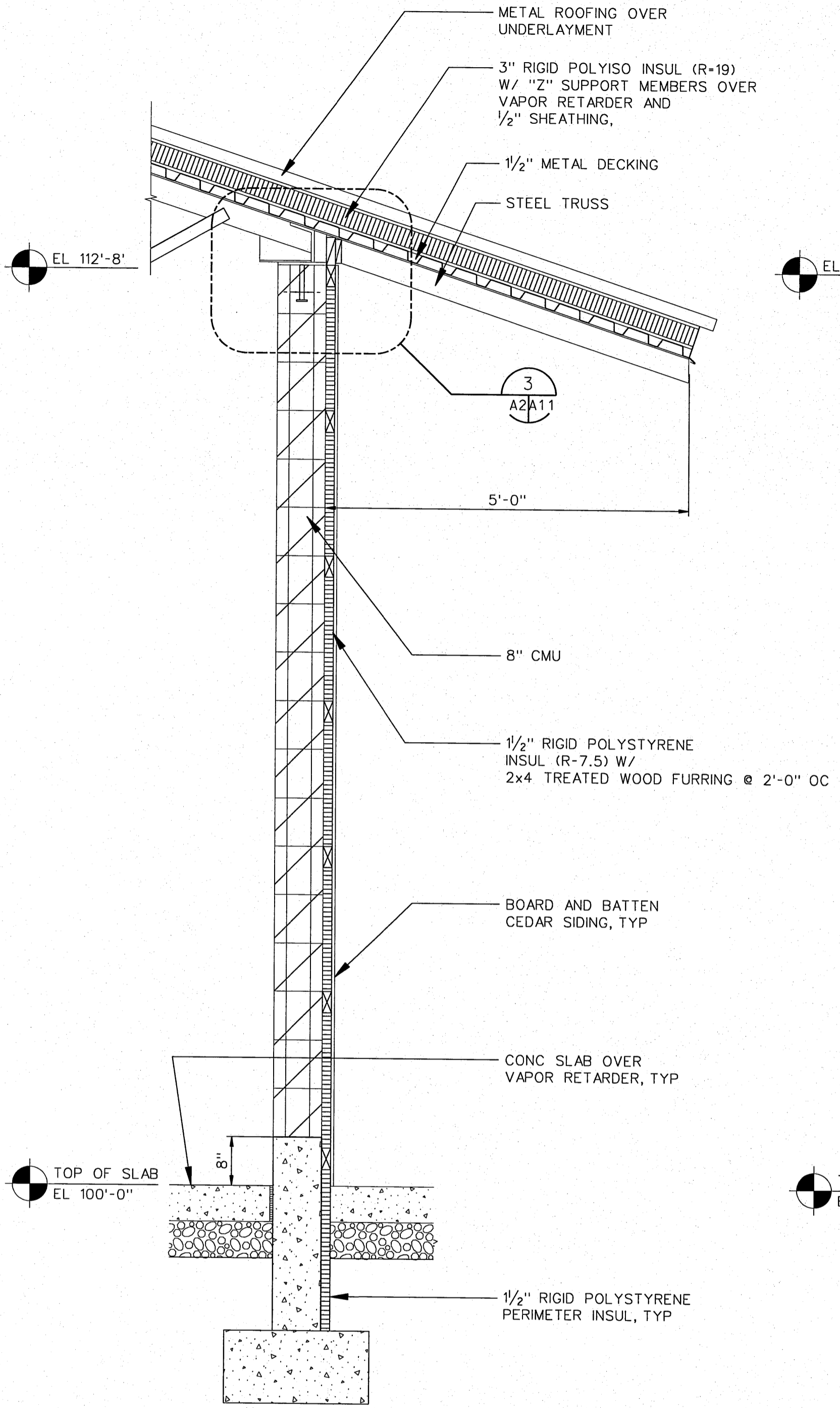
**WEST ELEVATION**  
 0 4 8 12 16 20 24 FT  
 SCALE: 1/8"=1'-0"



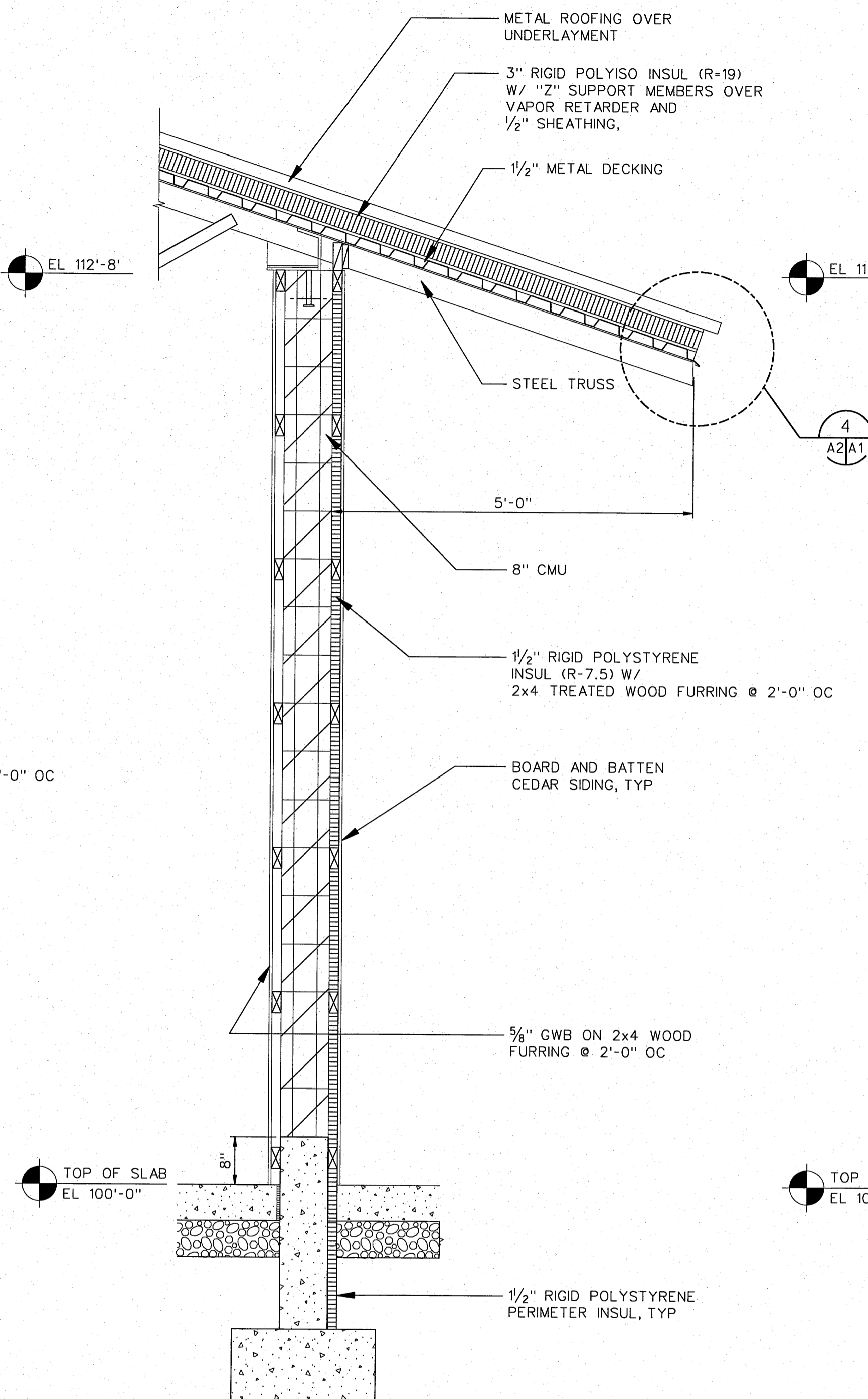
**EAST ELEVATION**  
 0 4 8 12 16 20 24 FT  
 SCALE: 1/8"=1'-0"



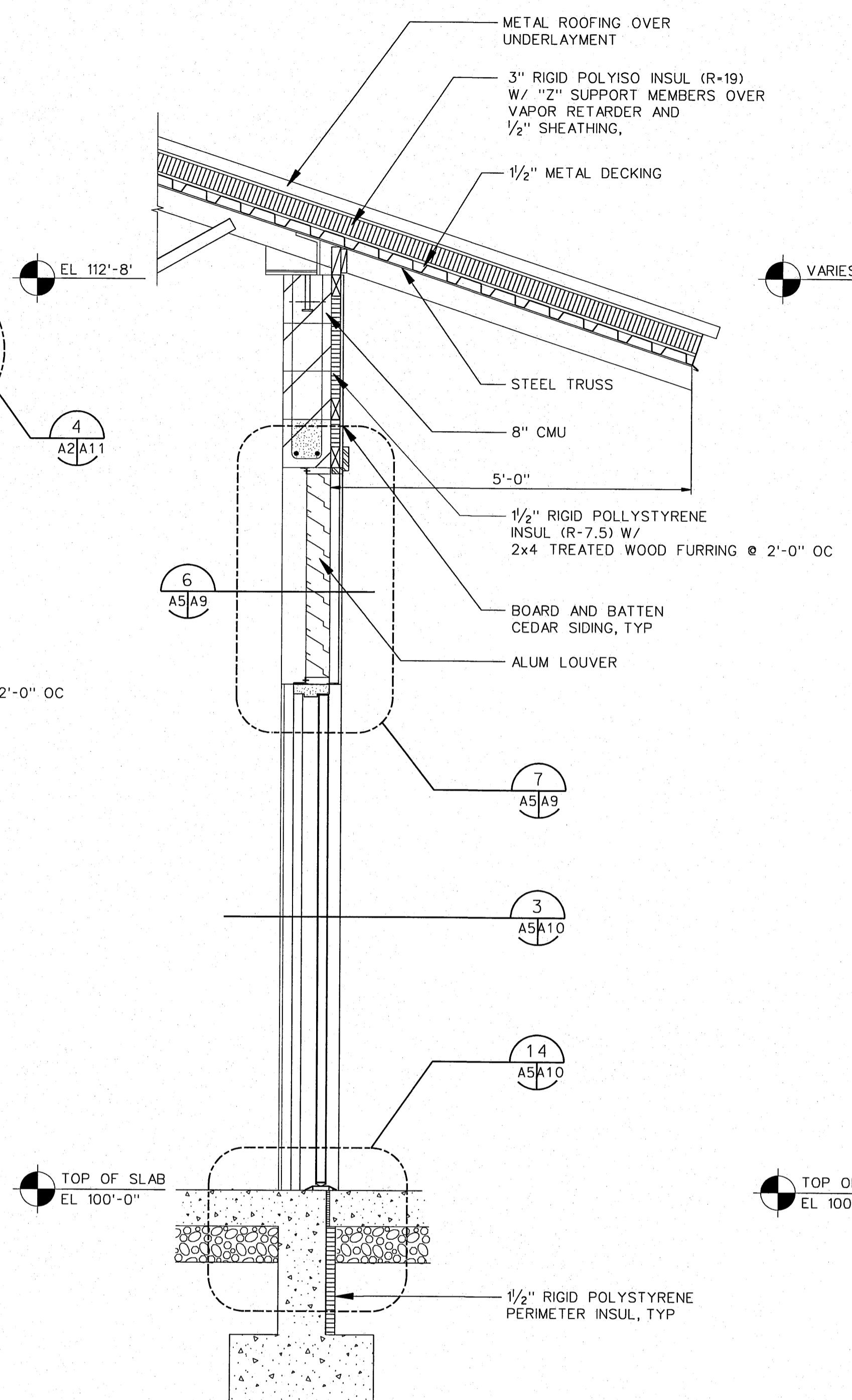
NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: A04_NE0H.dgn							
Design		D. HOGAN					
Drawn		A. KOLMIYETS					
Chkd							
Sub							
Rec							
Rec							
Appr							
Date							
SERIAL		SOURCE		SHEET NO.		SHEET	
				A4		OF	
<b>HATCHERY BUILDING ELEVATIONS</b>							
UNITED STATES DEPARTMENT OF ENERGY <b>BONNEVILLE POWER ADMINISTRATION</b> HEADQUARTERS, PORTLAND, OREGON <b>NORTHEAST OREGON HATCHERY PROGRAM</b> <b>LOSTINE RIVER HATCHERY</b>							



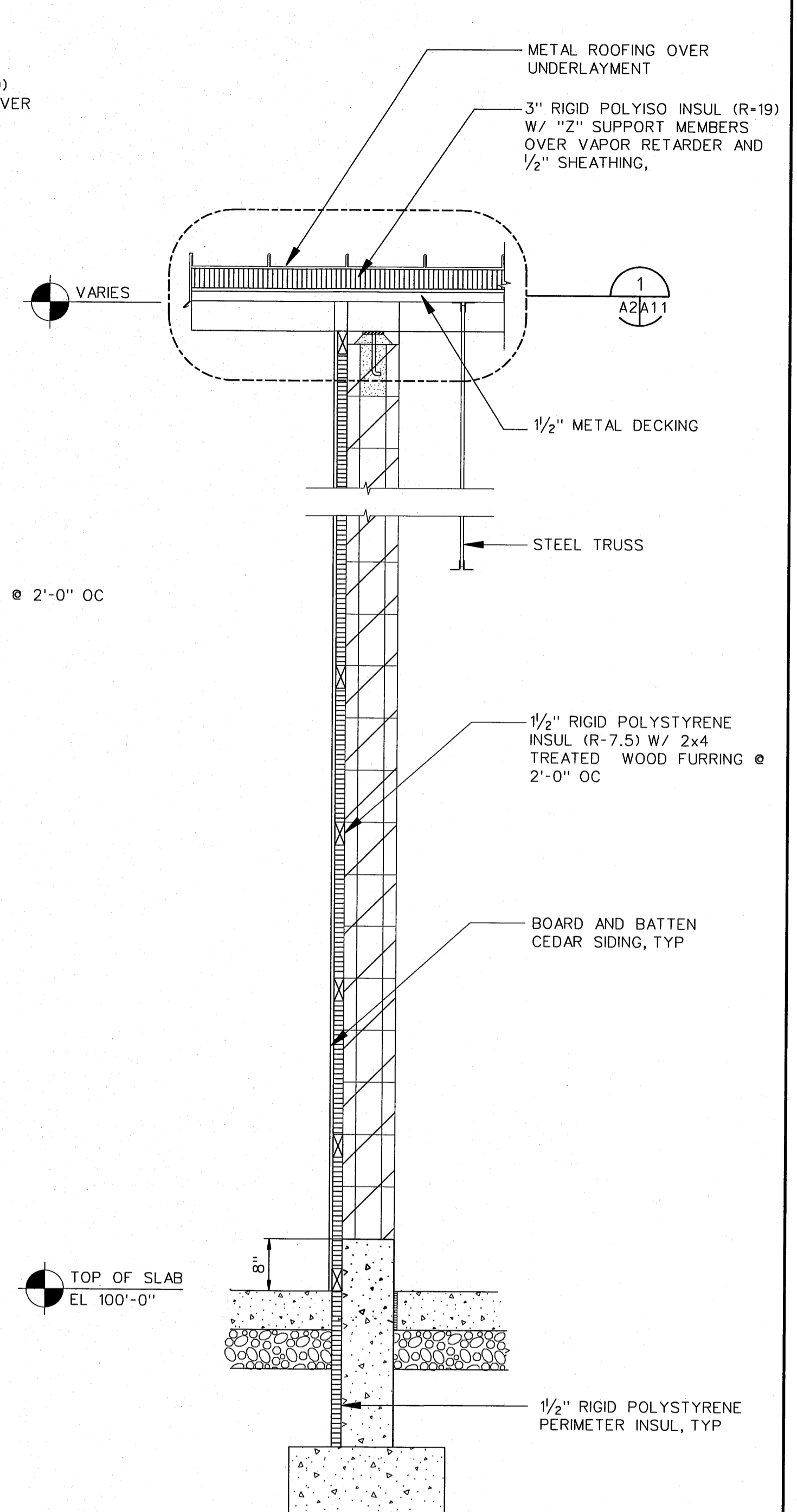
WALL SECTION **A**  
A1A5  
0 1 2 4 FT  
SCALE: 3/4"=1'-0"



TYP WALL SECTION **B**  
A1A5  
0 1 2 4 FT  
SCALE: 3/4"=1'-0"

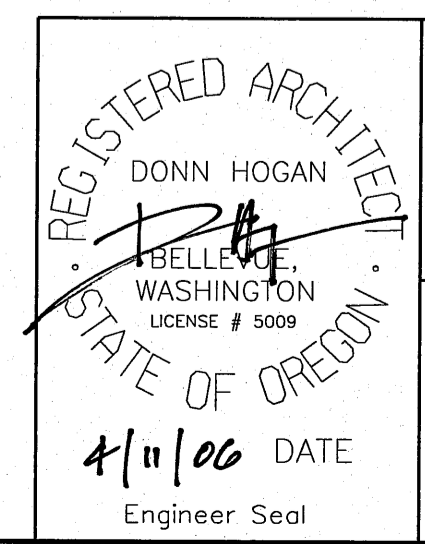


WALL SECTION **C**  
A1A5  
0 1 2 4 FT  
SCALE: 3/4"=1'-0"

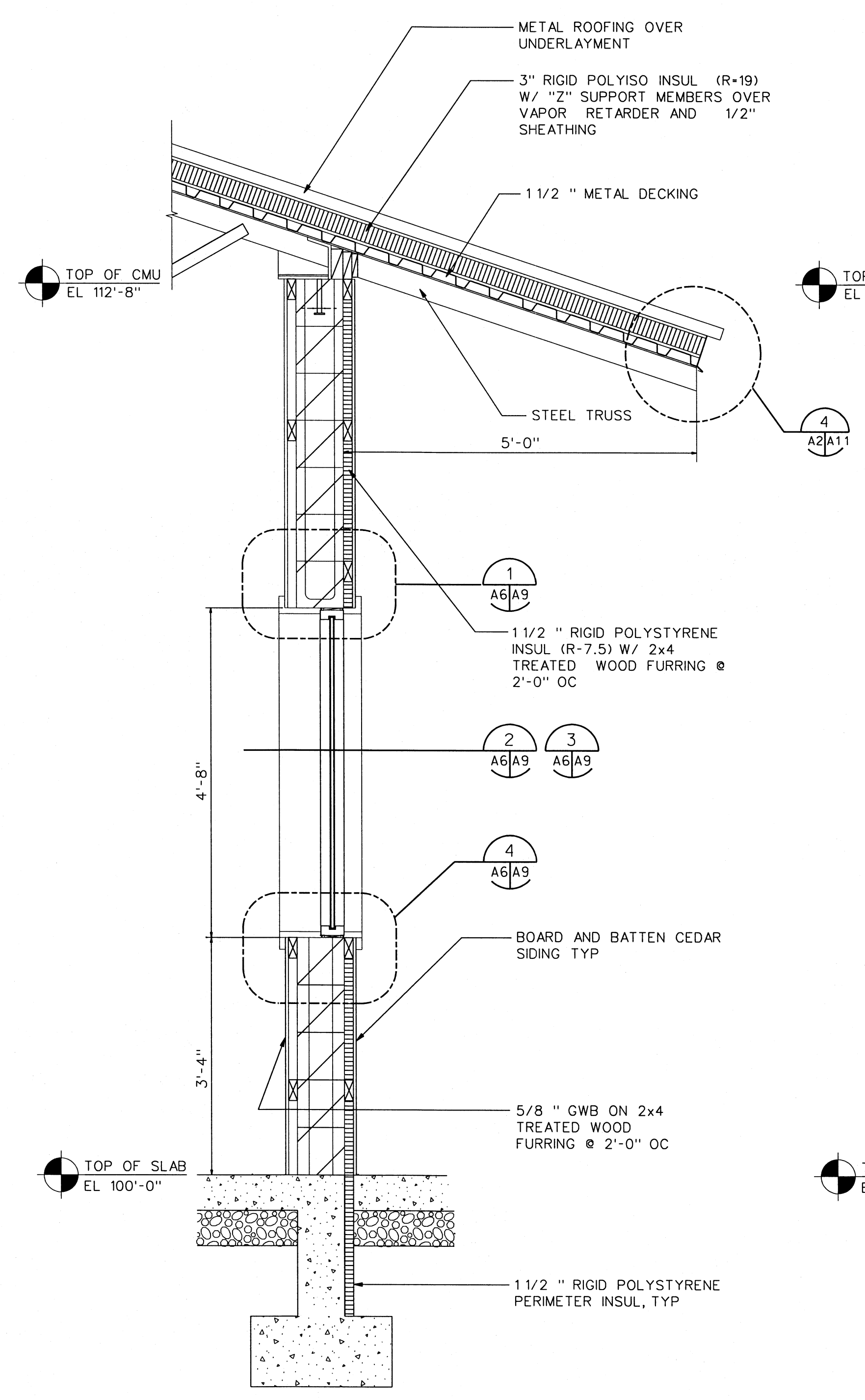


WALL SECTION **D**  
A1A5  
0 1 2 4 FT  
SCALE: 3/4"=1'-0"

4/10/2006 4:17:06 PM  
1.3333 / / IN.  
NEOH\_HALF\_SIZE.tbl

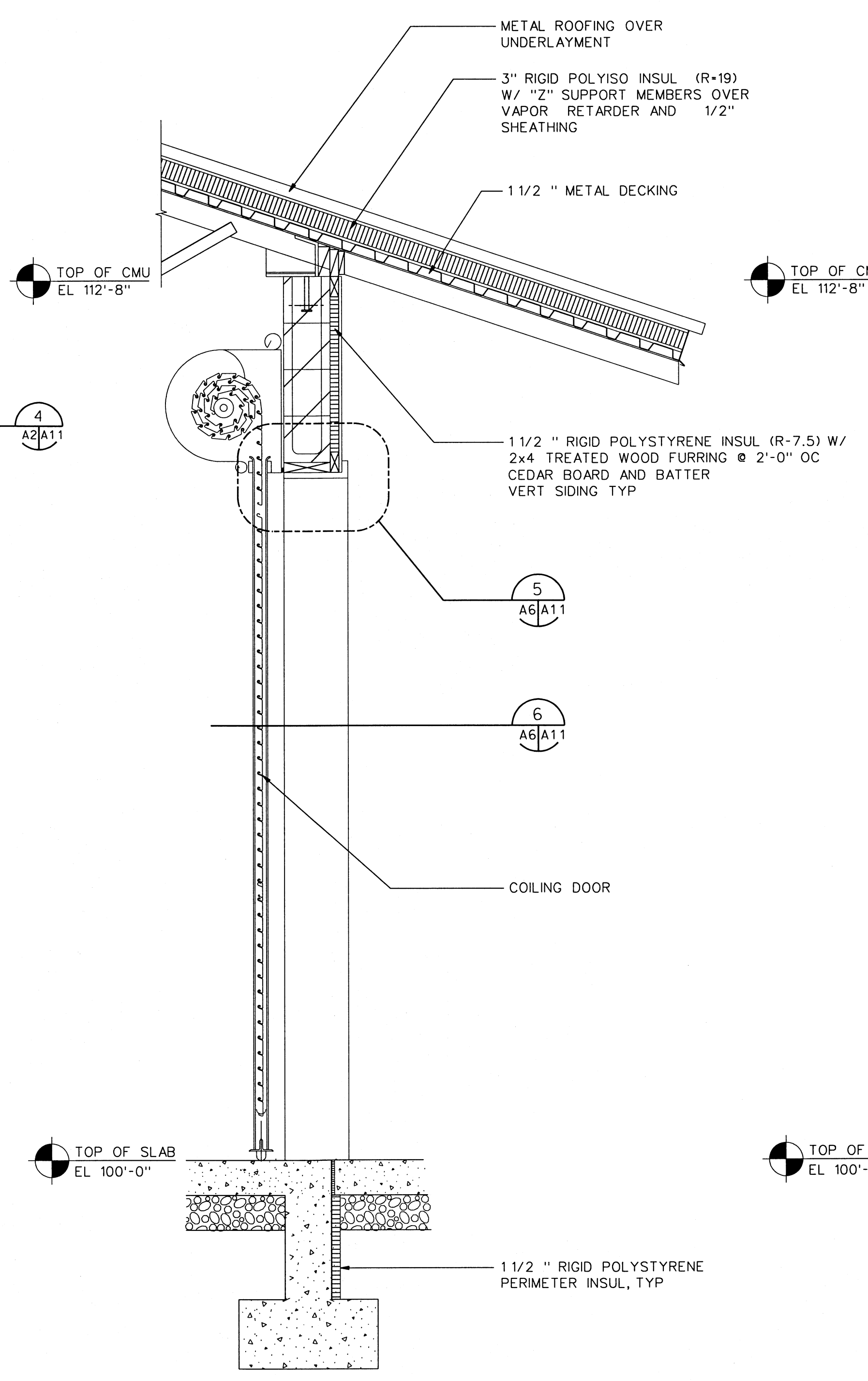


NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: A05_NEOH.dgn							
Design	D. HOGAN		UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON				
Drawn	A. KOLOMIYETS		NORTHEAST OREGON HATCHERY PROGRAM LOSTINE RIVER HATCHERY				
Chkd			HATCHERY BUILDING WALL SECTIONS 1				
Sub			SERIAL	SOURCE	SHEET NO.	SHEET	REVISION
Rec					A5	OF	
Appr							
Date							



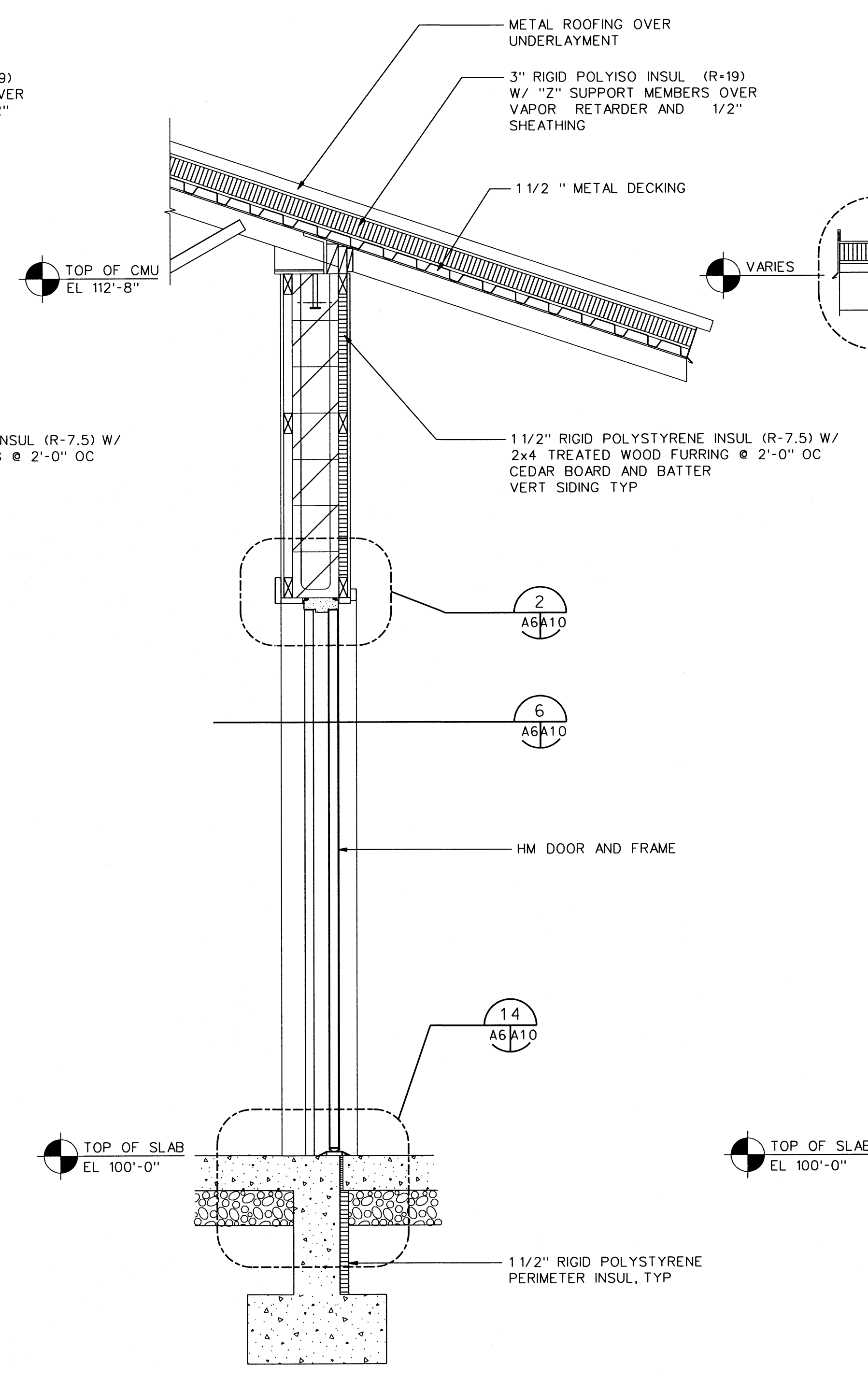
WALL SECTION **E**  
A1/A6

0 1 2 4 FT  
SCALE: 3/4"=1'-0"



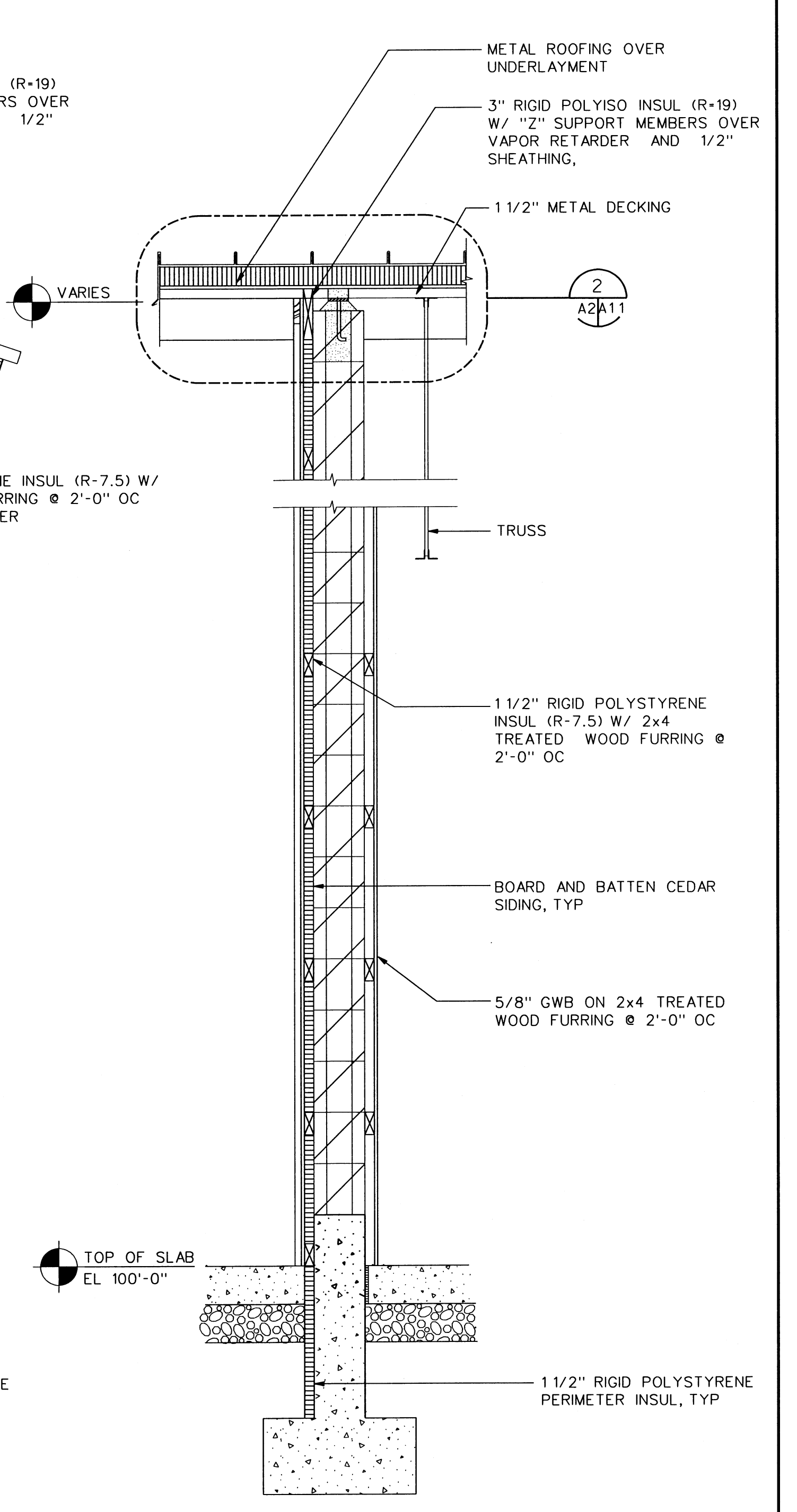
WALL SECTION **F**  
A1/A6

0 1 2 4 FT  
SCALE: 3/4"=1'-0"



WALL SECTION **G**  
A1/A6

0 1 2 4 FT  
SCALE: 3/4"=1'-0"



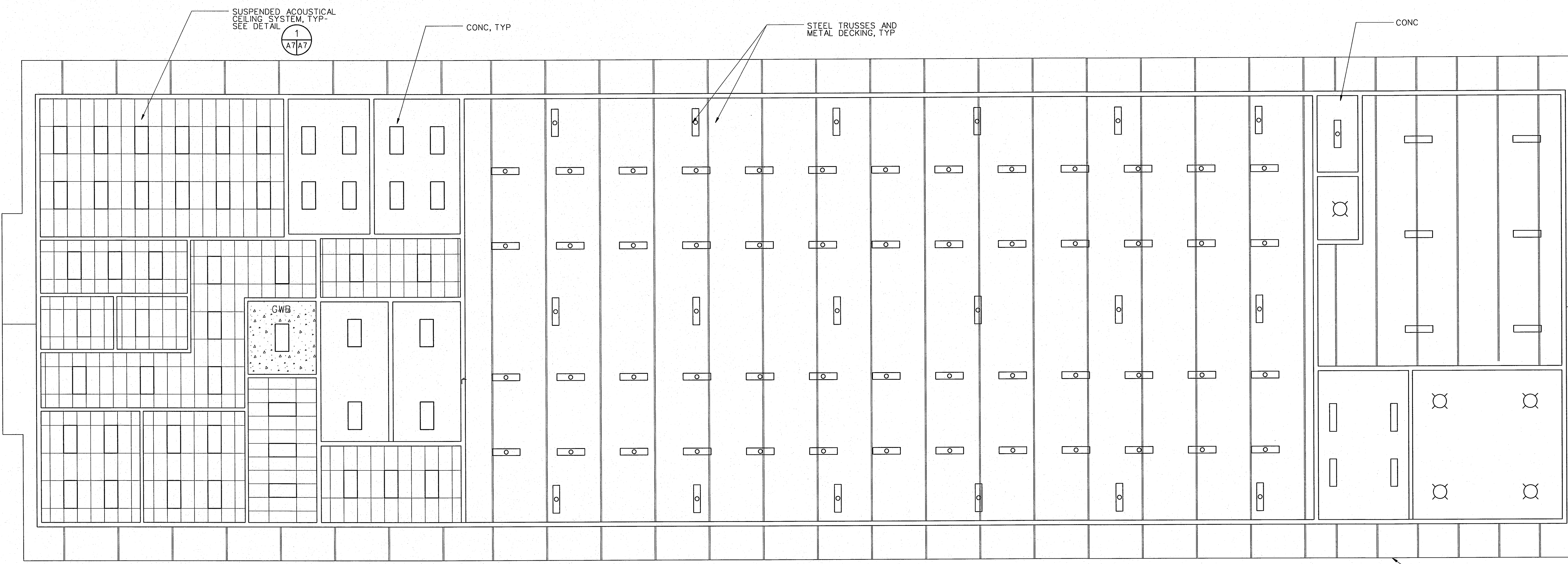
WALL SECTION **H**  
A1/A6

0 1 2 4 FT  
SCALE: 3/4"=1'-0"

REGISTERED ARCHITECT  
DONN HOGAN  
BELLEVUE, WASHINGTON  
LICENSE # 5009  
11/11/06 DATE  
Engineer Seal

**HDR | FISHPRO**

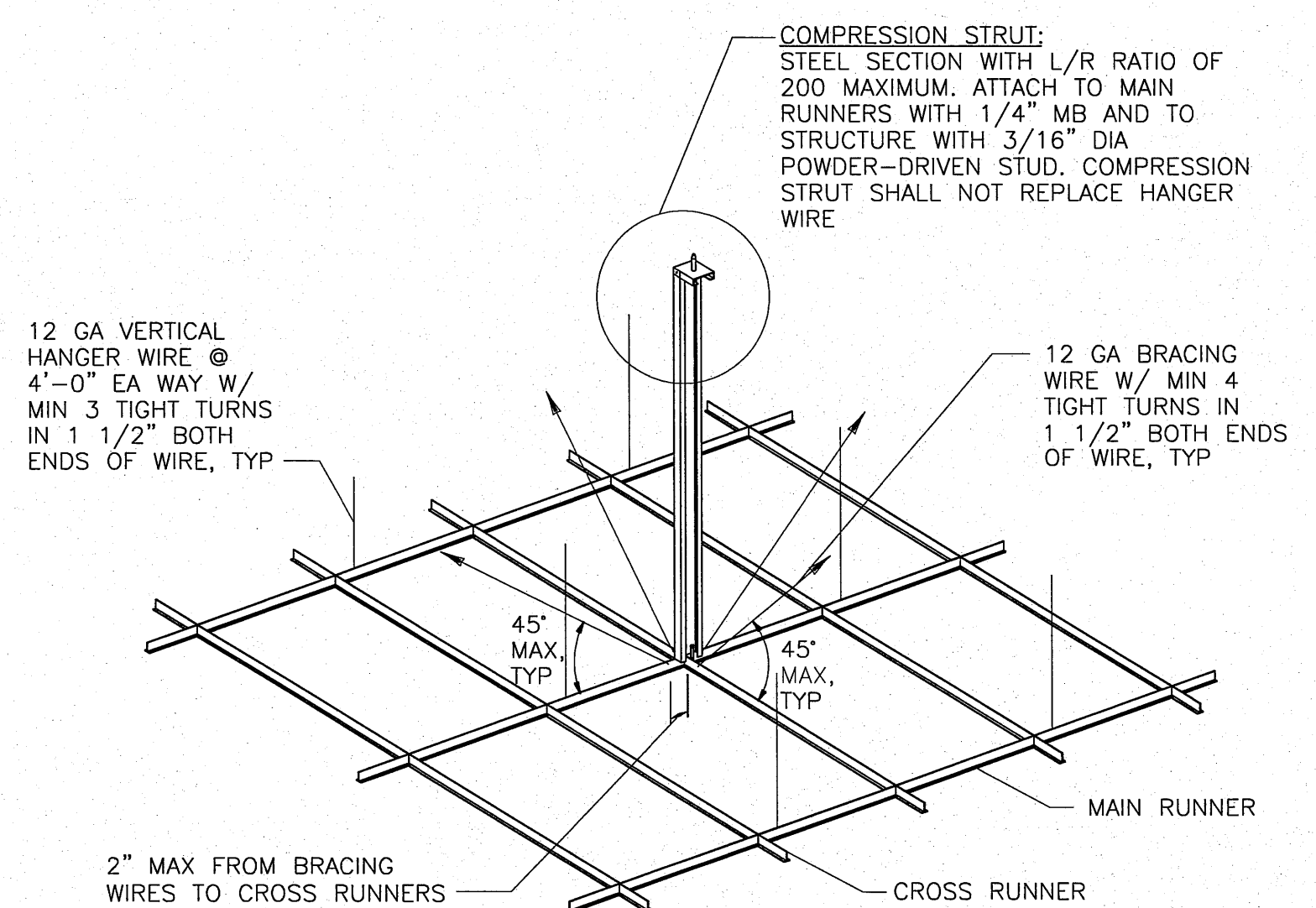
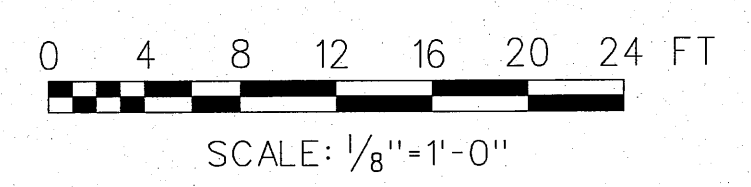
NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: A06_NEOH.dgn							
Design	D. HOGAN		UNITED STATES DEPARTMENT OF ENERGY <b>BONNEVILLE POWER ADMINISTRATION</b> HEADQUARTERS, PORTLAND, OREGON				
Drawn	A. KOLOMIYETS		<b>NORTHEAST OREGON HATCHERY PROGRAM</b> LOSTINE RIVER HATCHERY				
Chkd							
Sub							
Rec							
Rec							
Appr							
Date	SERIAL	SOURCE	SHEET NO.	SHEET	REVISION		
			<b>A6</b>	OF			



NOTE: SEE SHEET NO. E4 FOR LIGHTING FIXTURE TYPES



### REFLECTED CEILING PLAN

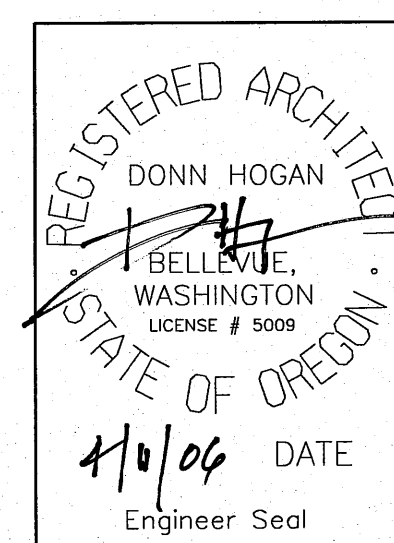


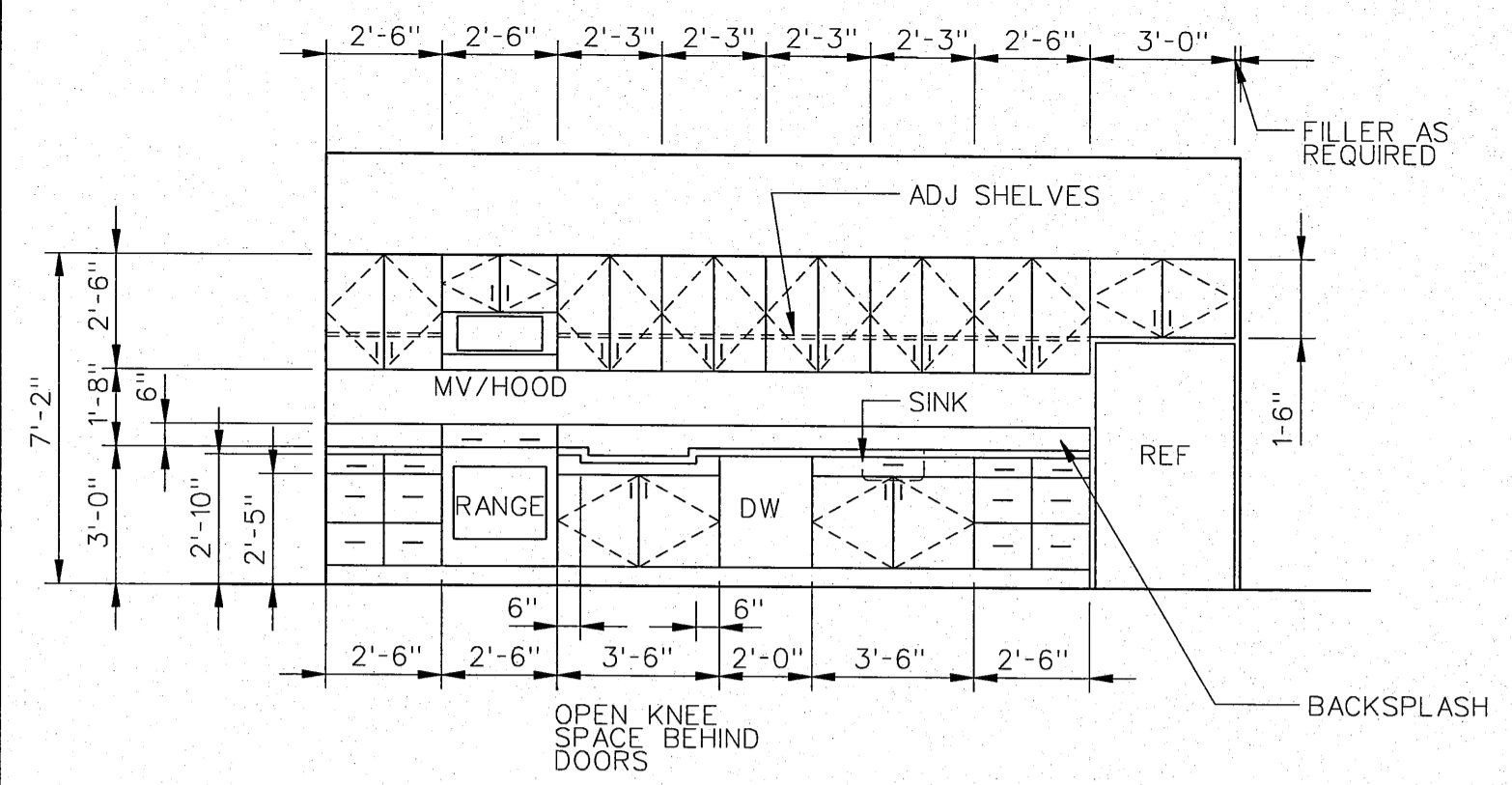
### ACOUSTICAL CEILING SUSPENDED SYSTEM

SCALE: NTS

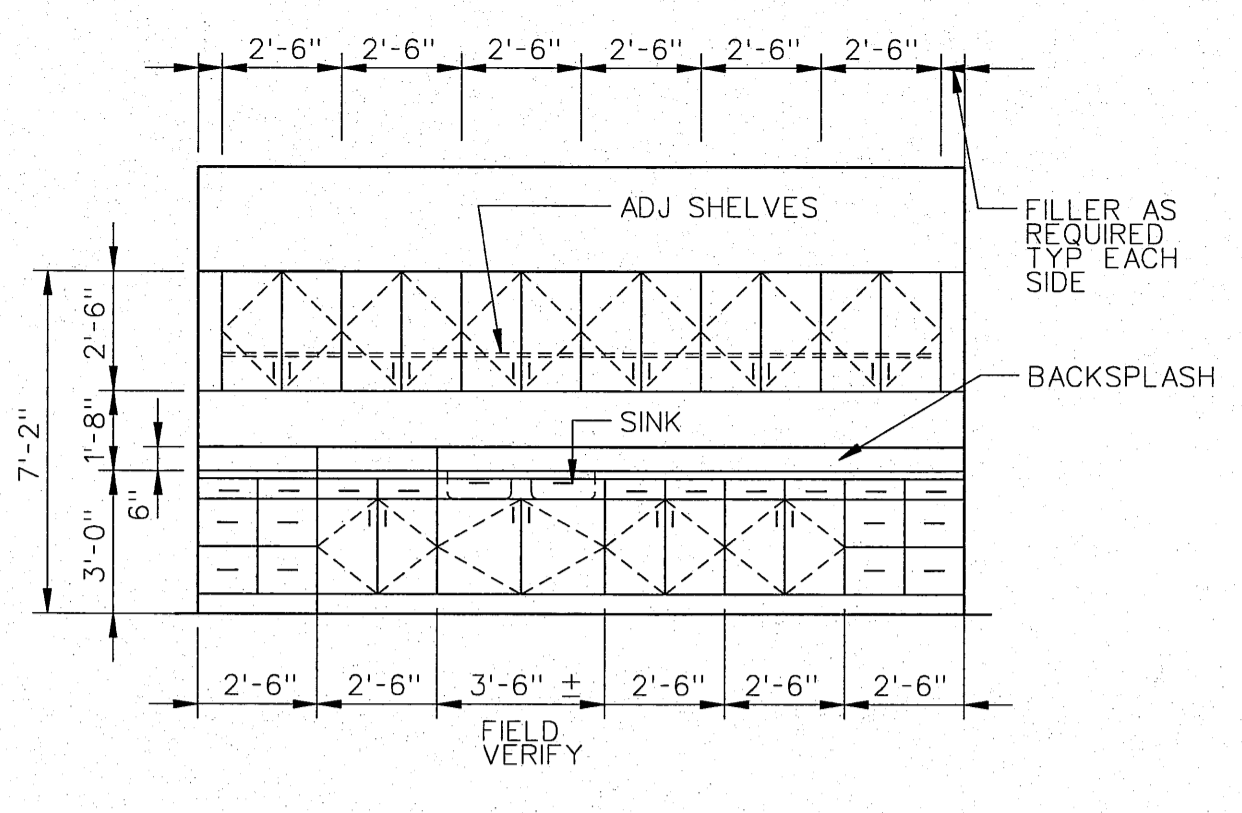
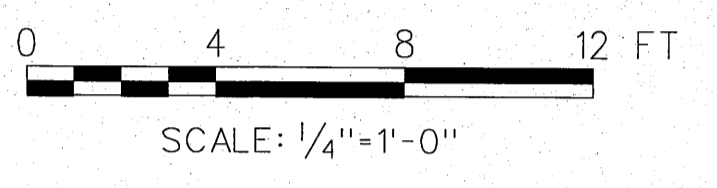
1 A7A7

NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: A07_NEOH.dgn							
Design	D. HOGAN		UNITED STATES DEPARTMENT OF ENERGY				
Drawn	A. KOLOMIYETS		BONNEVILLE POWER ADMINISTRATION				
Chkd			HEADQUARTERS, PORTLAND, OREGON				
Sub			NORTHEAST OREGON HATCHERY PROGRAM				
Rec			LOSTINE RIVER HATCHERY				
Rec			HATCHERY BUILDING				
Appr			REFLECTED CEILING PLAN				
Date	SERIAL	SOURCE	SHEET NO.	SHEET	REVISION		
			A7	OF			

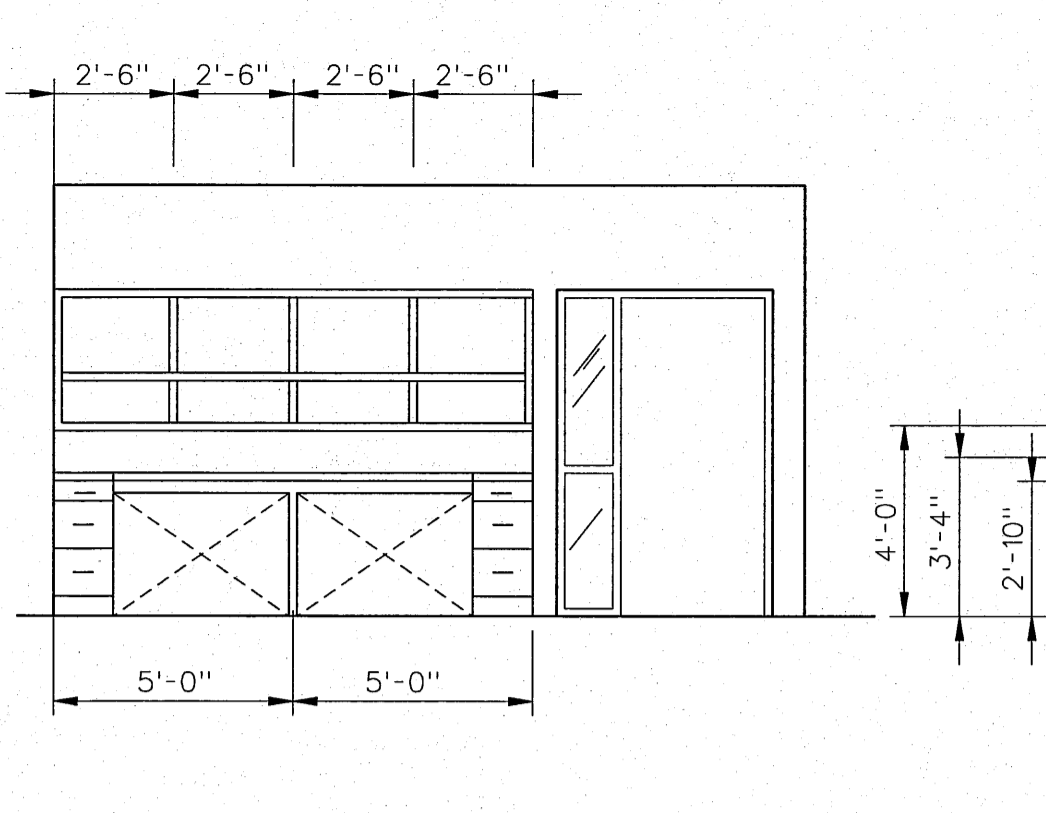
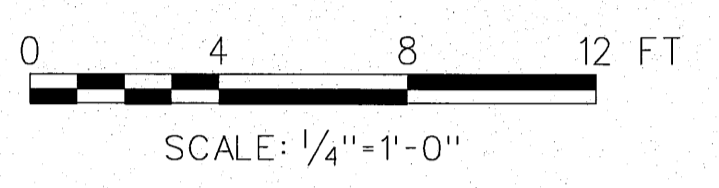




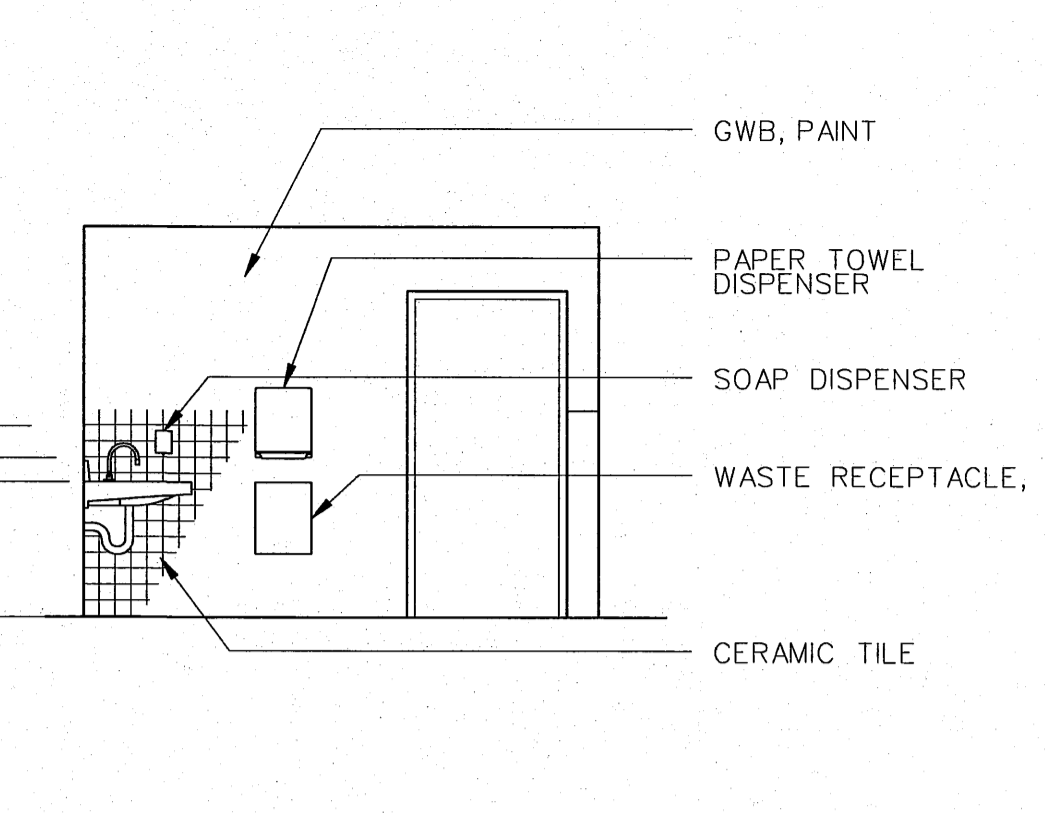
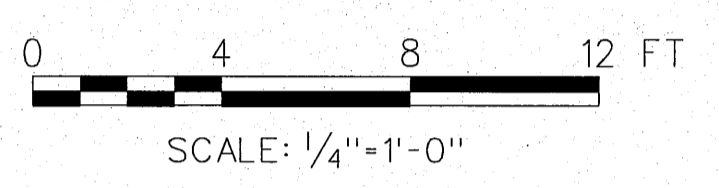
CREW ROOM, RM 101 SOUTH ELEVATION 1



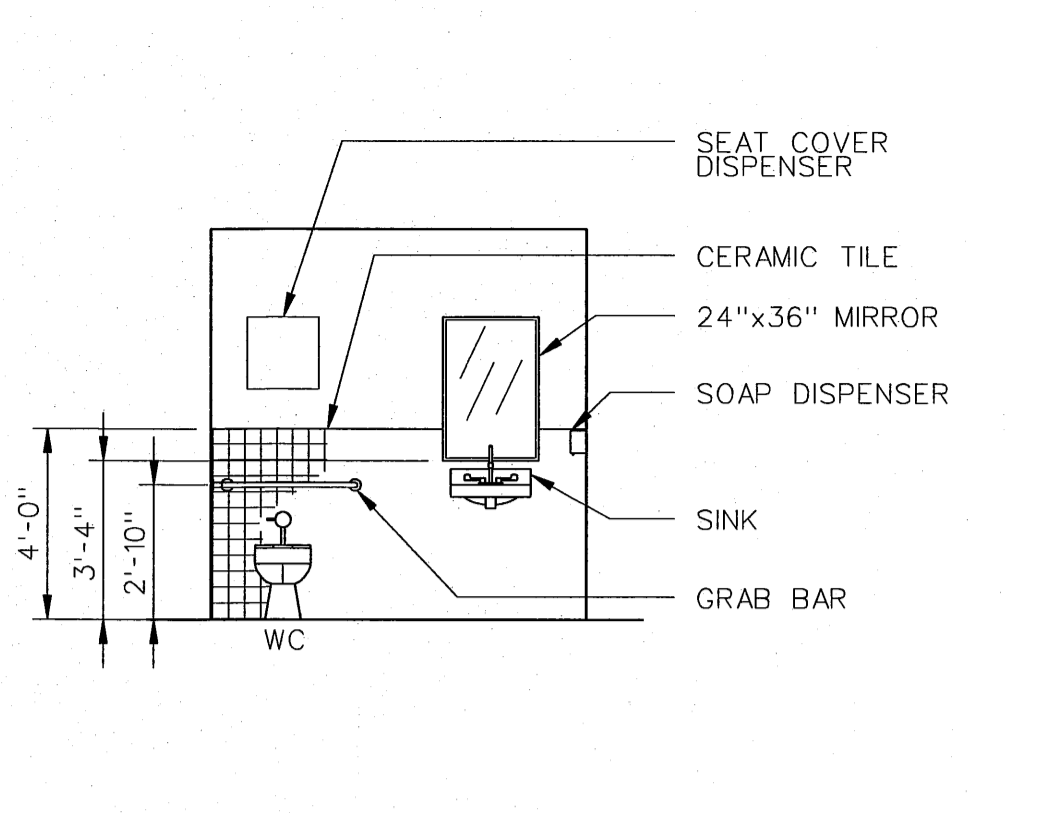
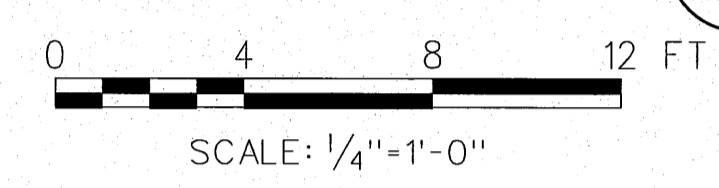
MULTI-PURPOSE RM 113 SOUTH ELEVATION 2



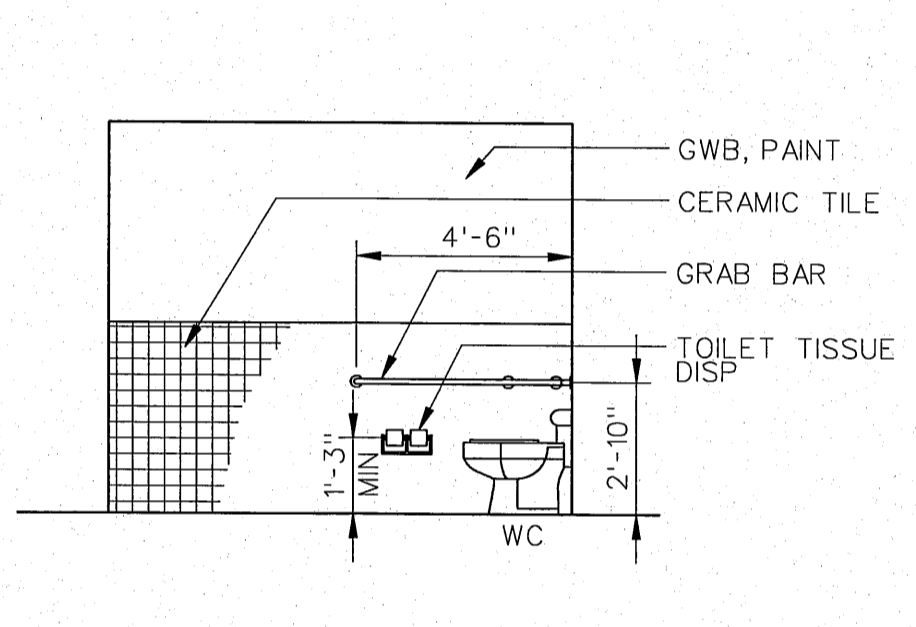
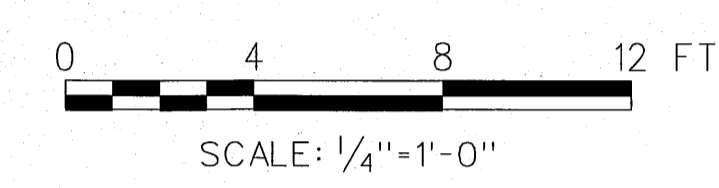
MULTI-PURPOSE RM 113 NORTH ELEVATION 3



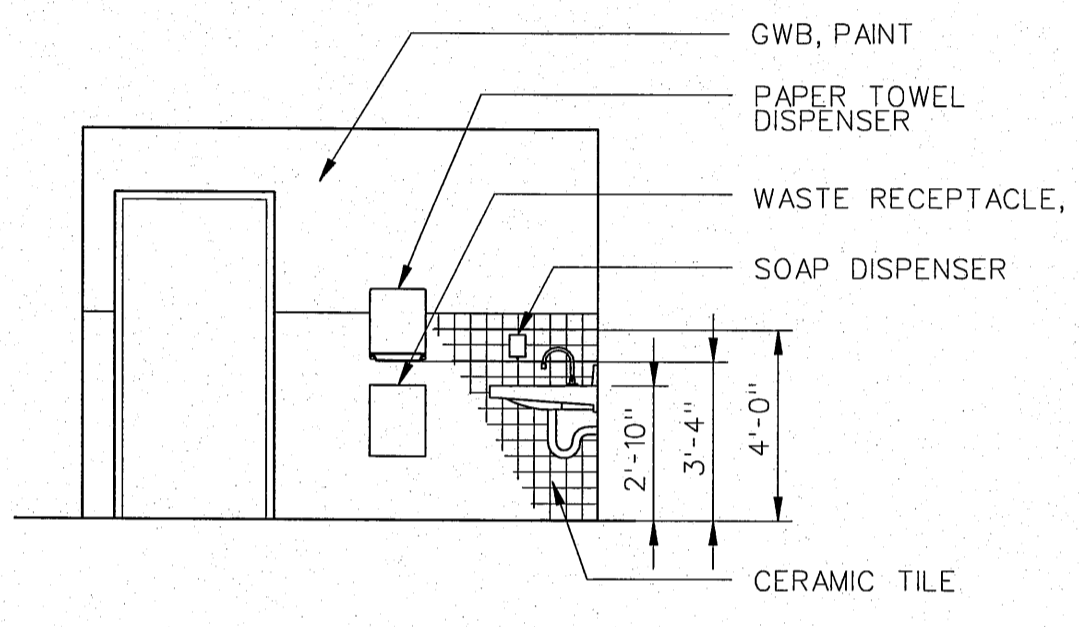
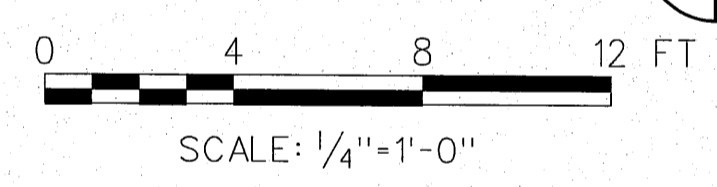
WOMEN RM 103 WEST ELEVATION 4



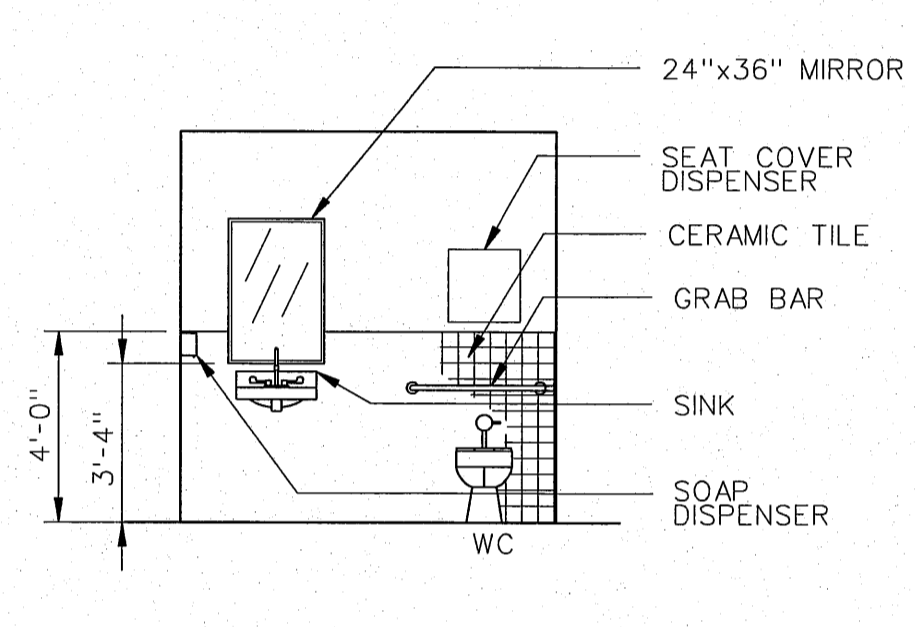
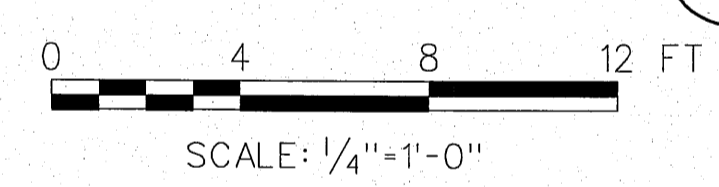
WOMEN RM 103 SOUTH ELEVATION 5



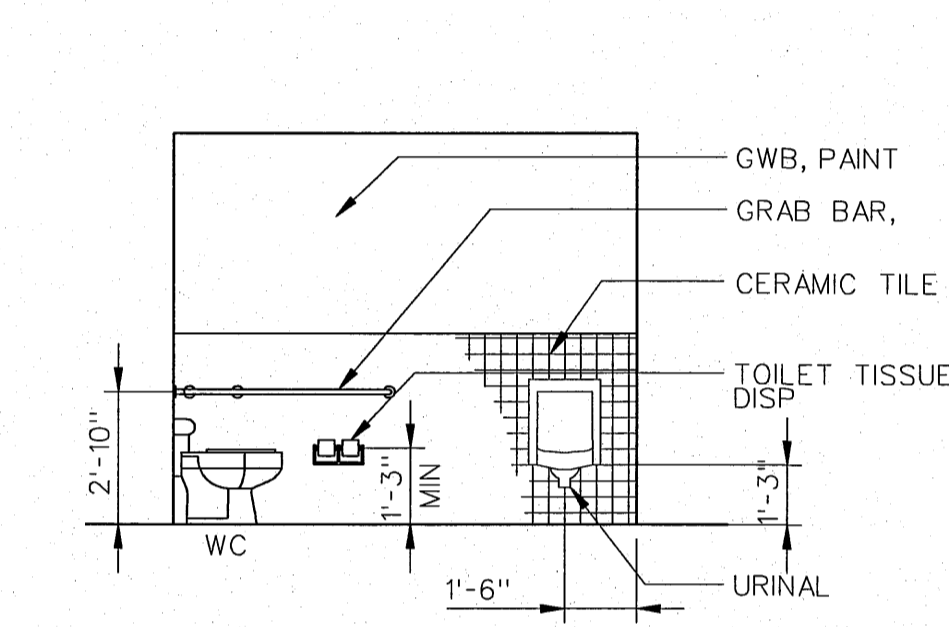
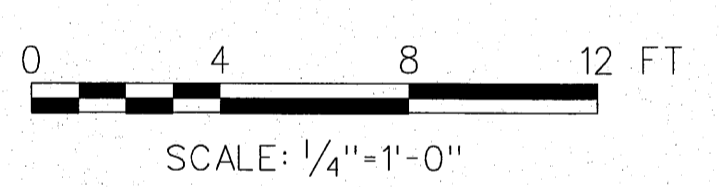
WOMEN RM 103 EAST ELEVATION 6



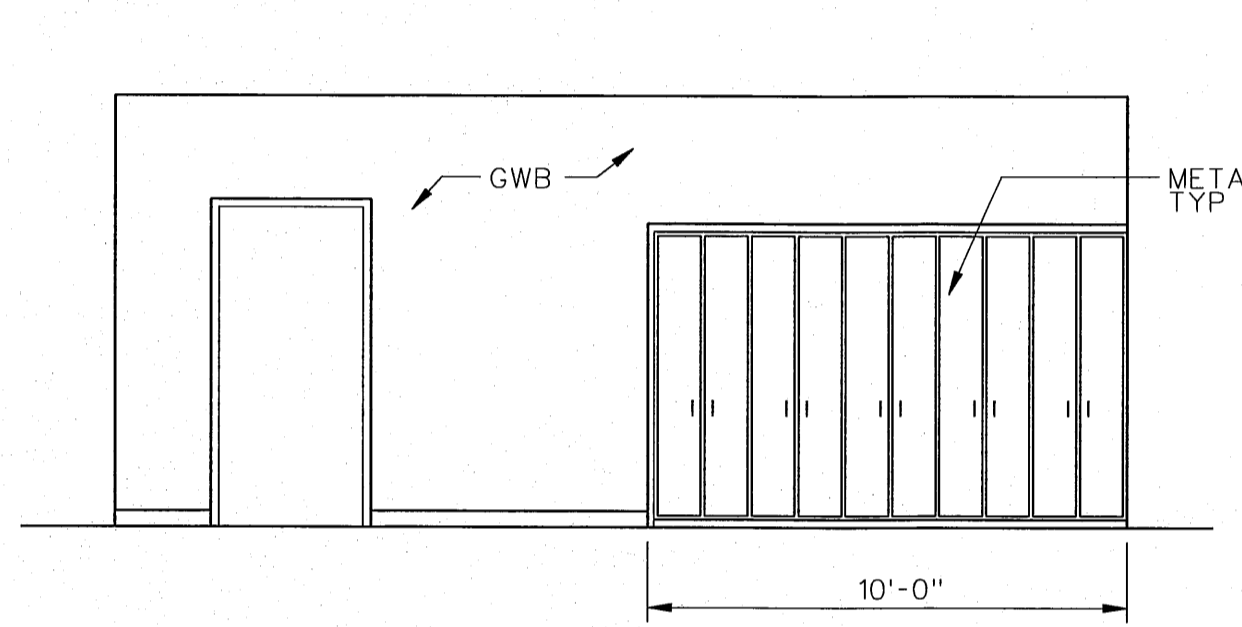
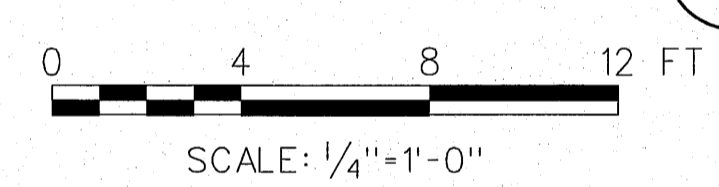
MEN RM 104 WEST ELEVATION 7



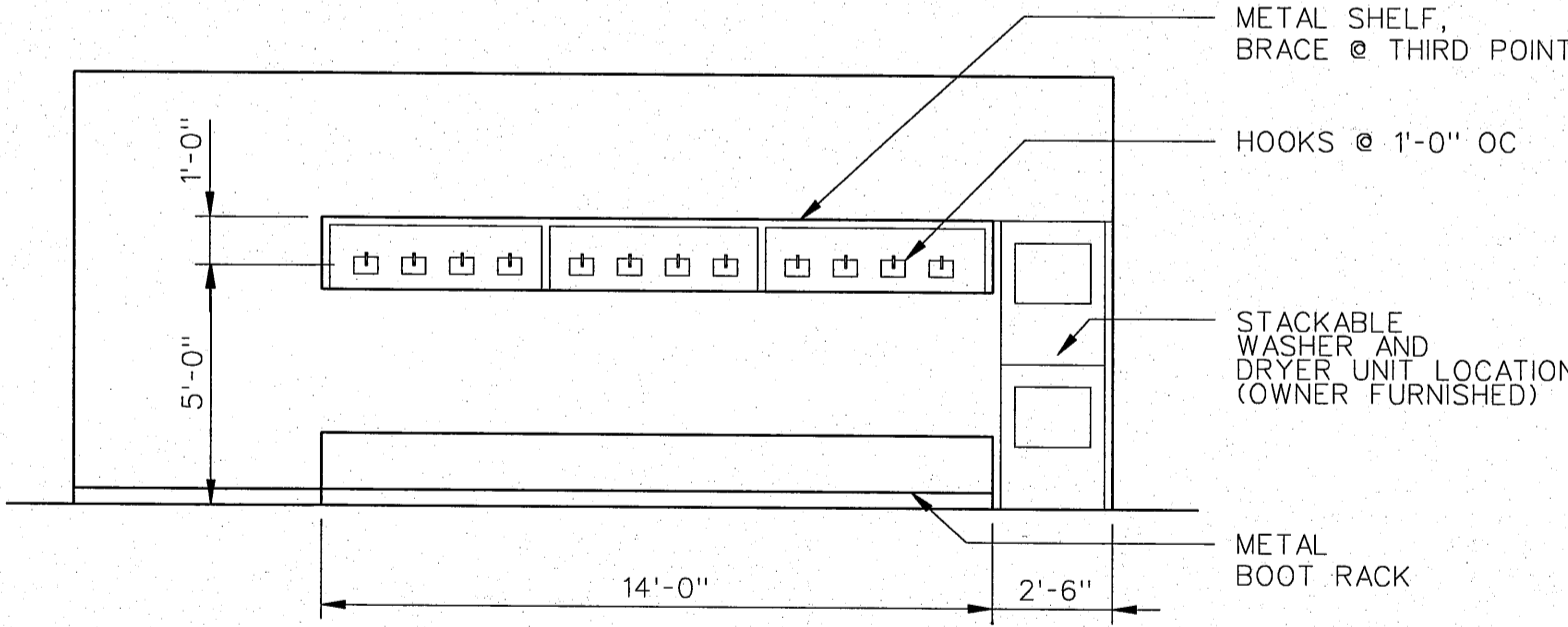
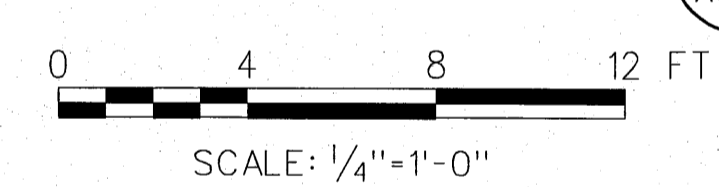
MEN RM 104 NORTH ELEVATION 8



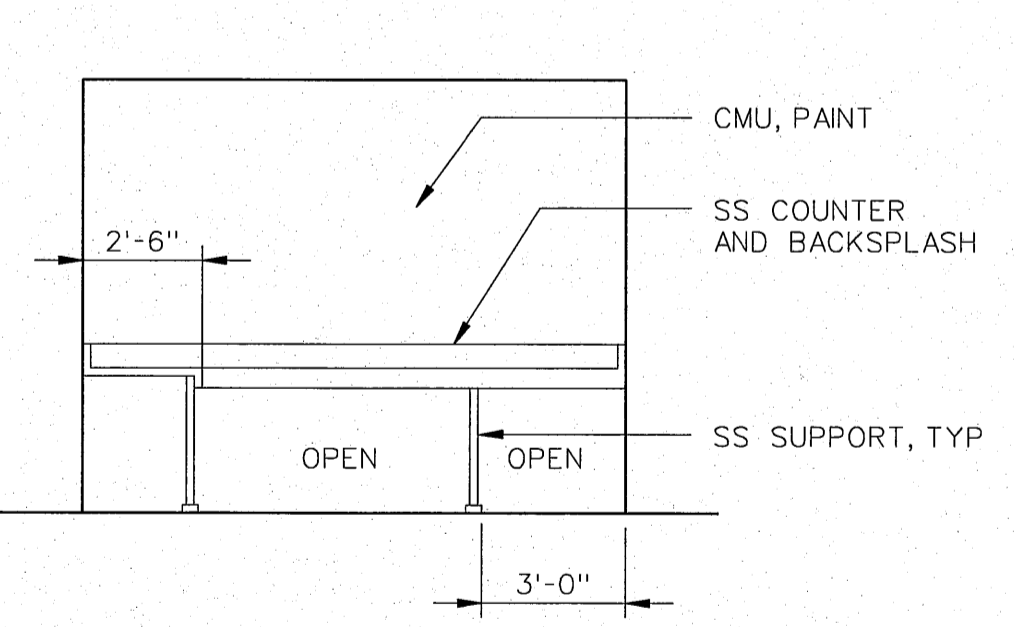
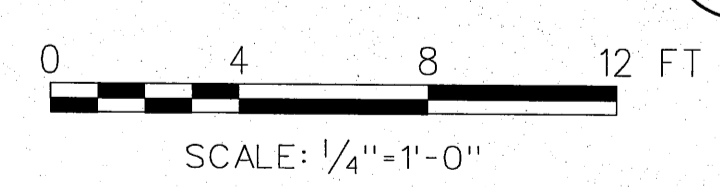
MEN RM 104 EAST ELEVATION 9



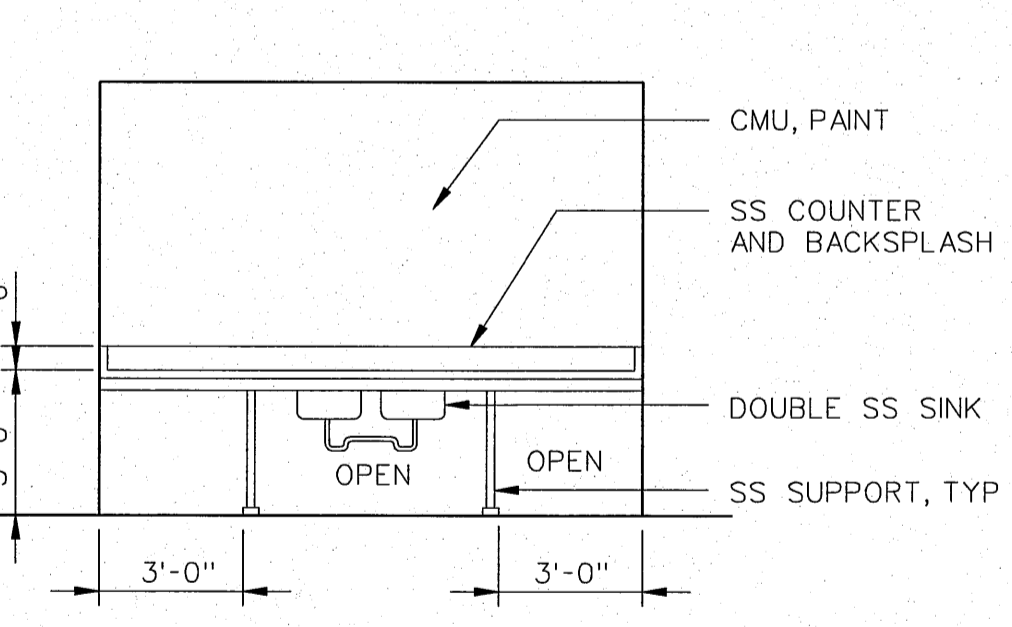
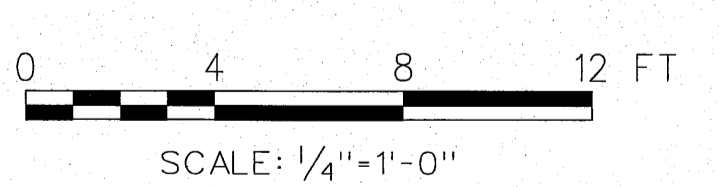
MUD ROOM, RM 102 ELEVATION 10



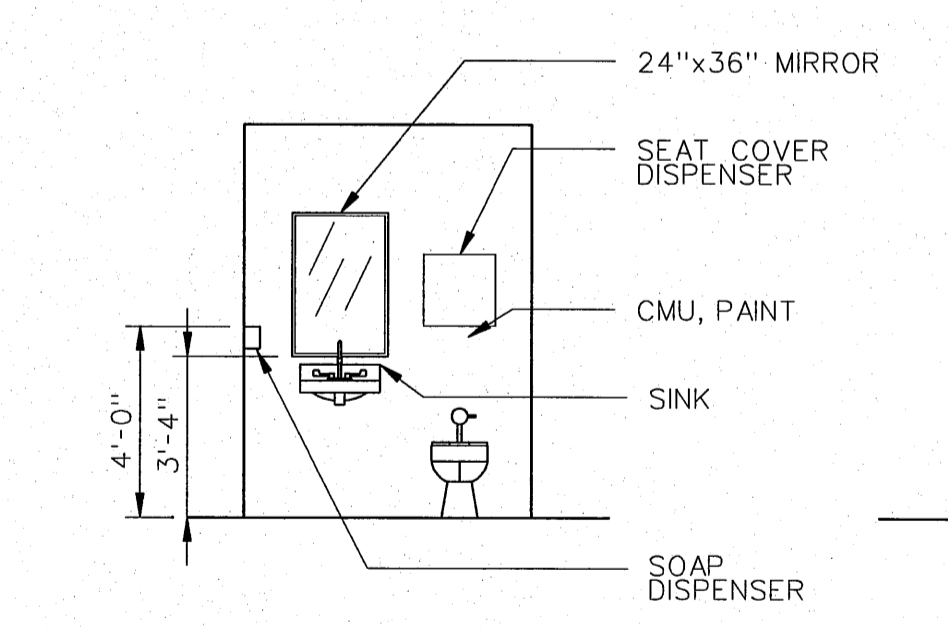
MUD ROOM, RM 102 WEST ELEVATION 11



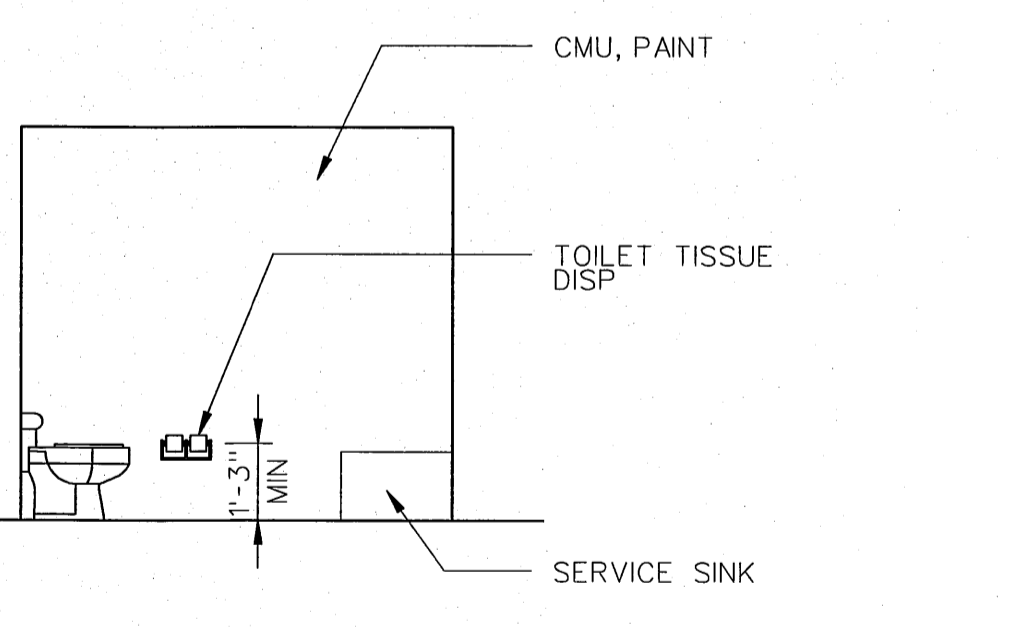
WET ROOM, RM 116 NORTH ELEVATION 12



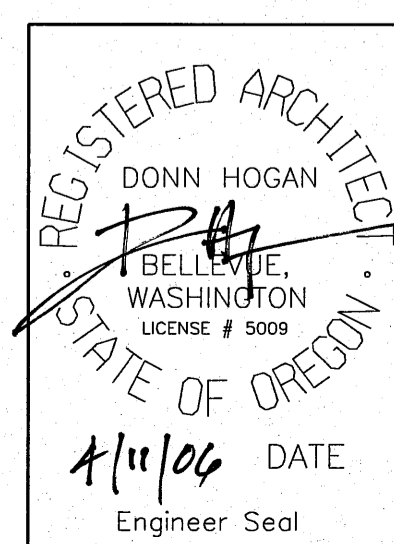
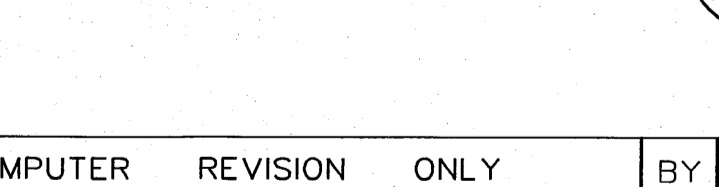
WET ROOM, RM 116 SOUTH ELEVATION 13



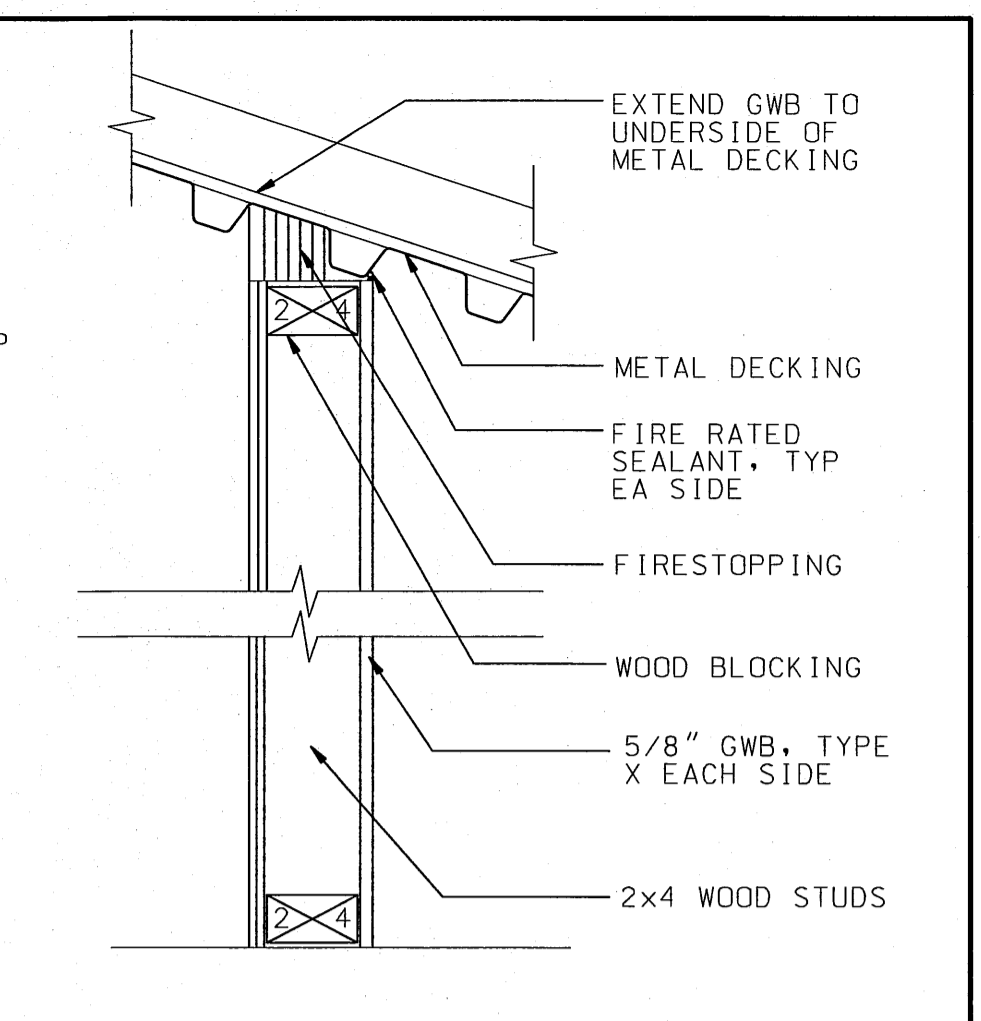
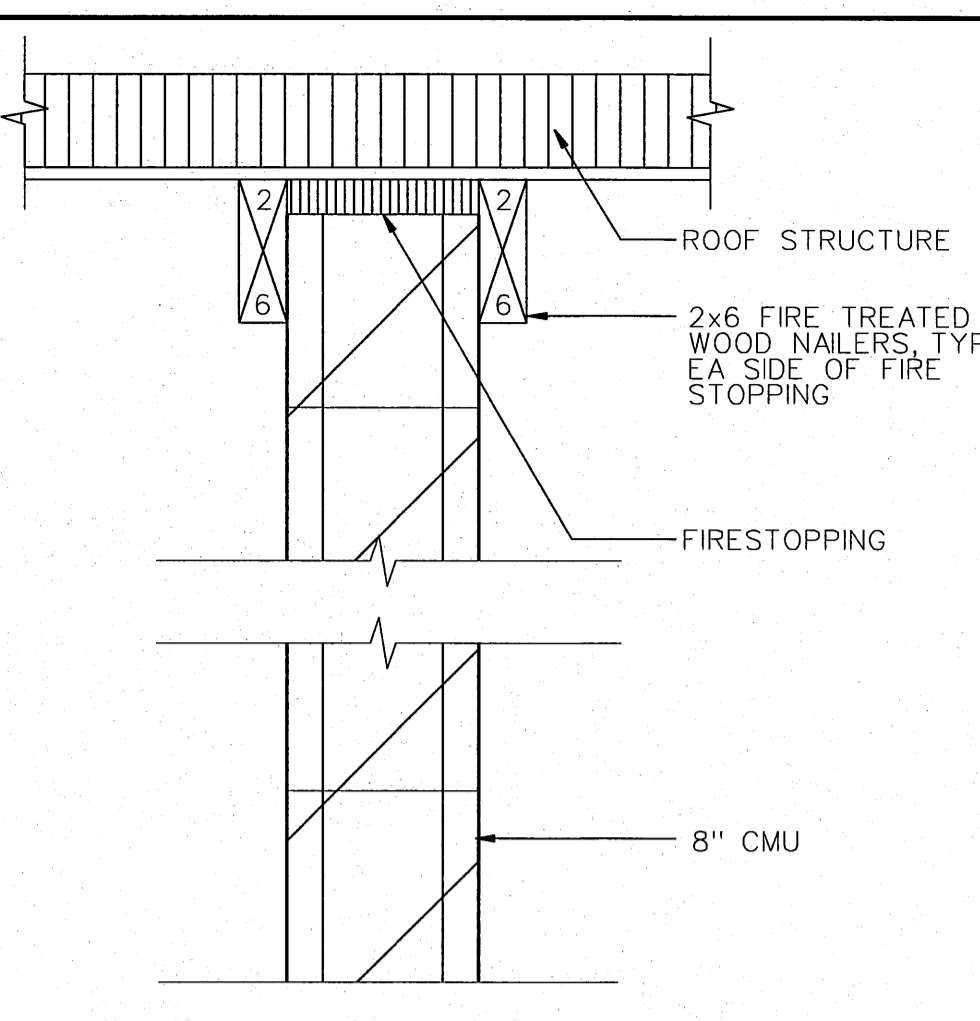
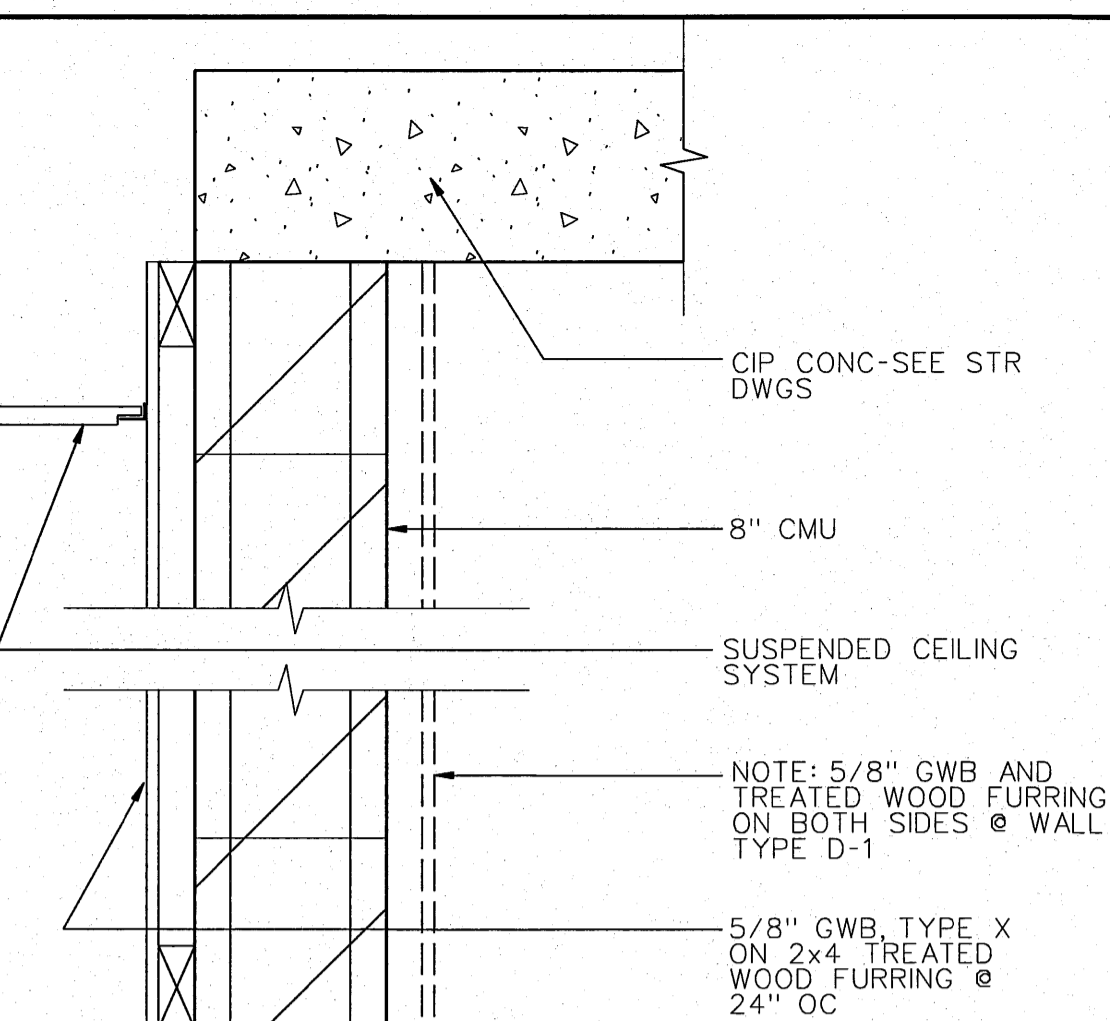
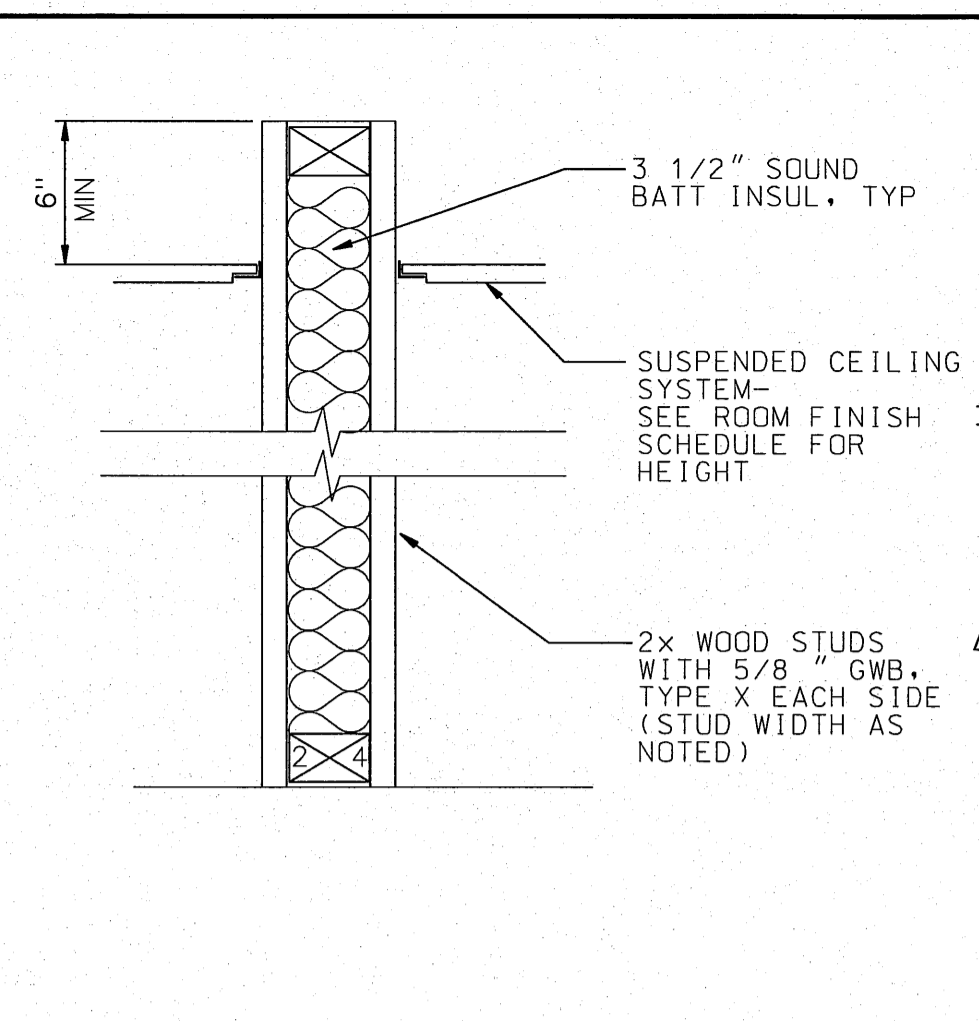
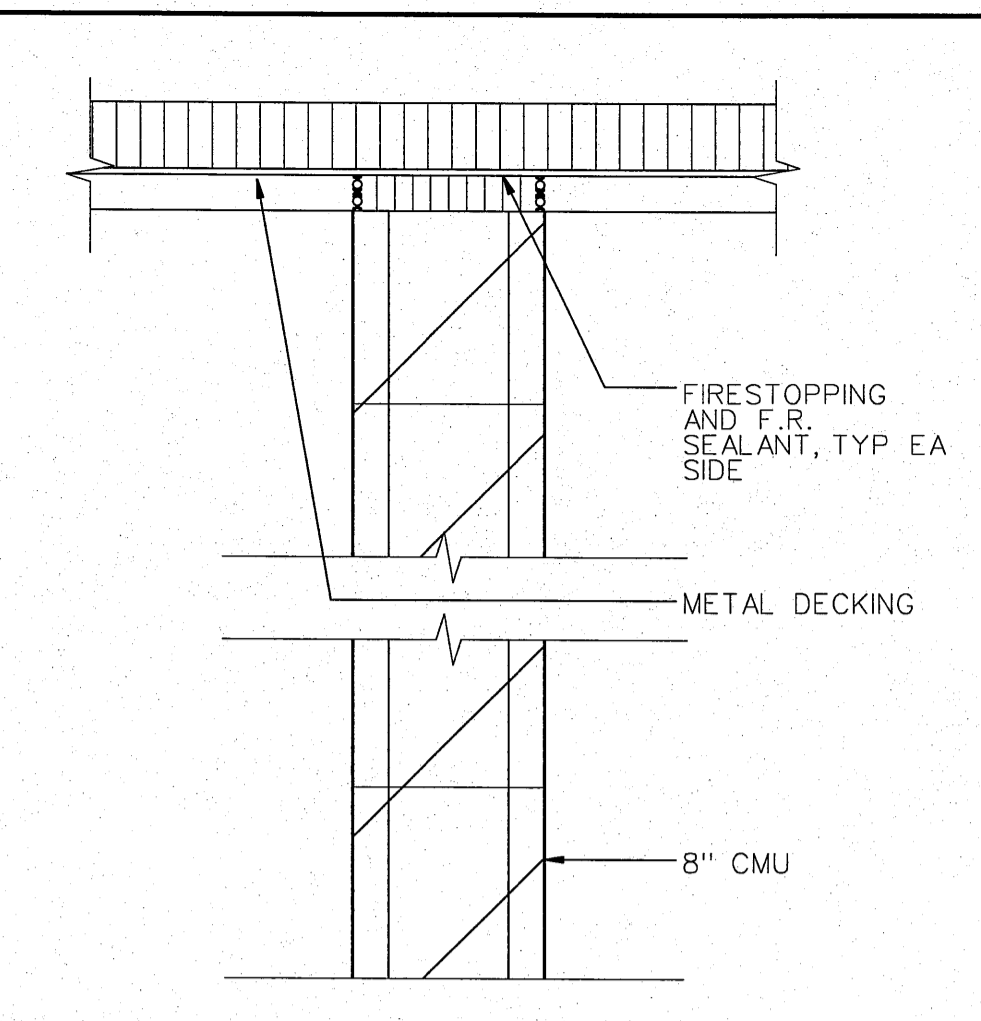
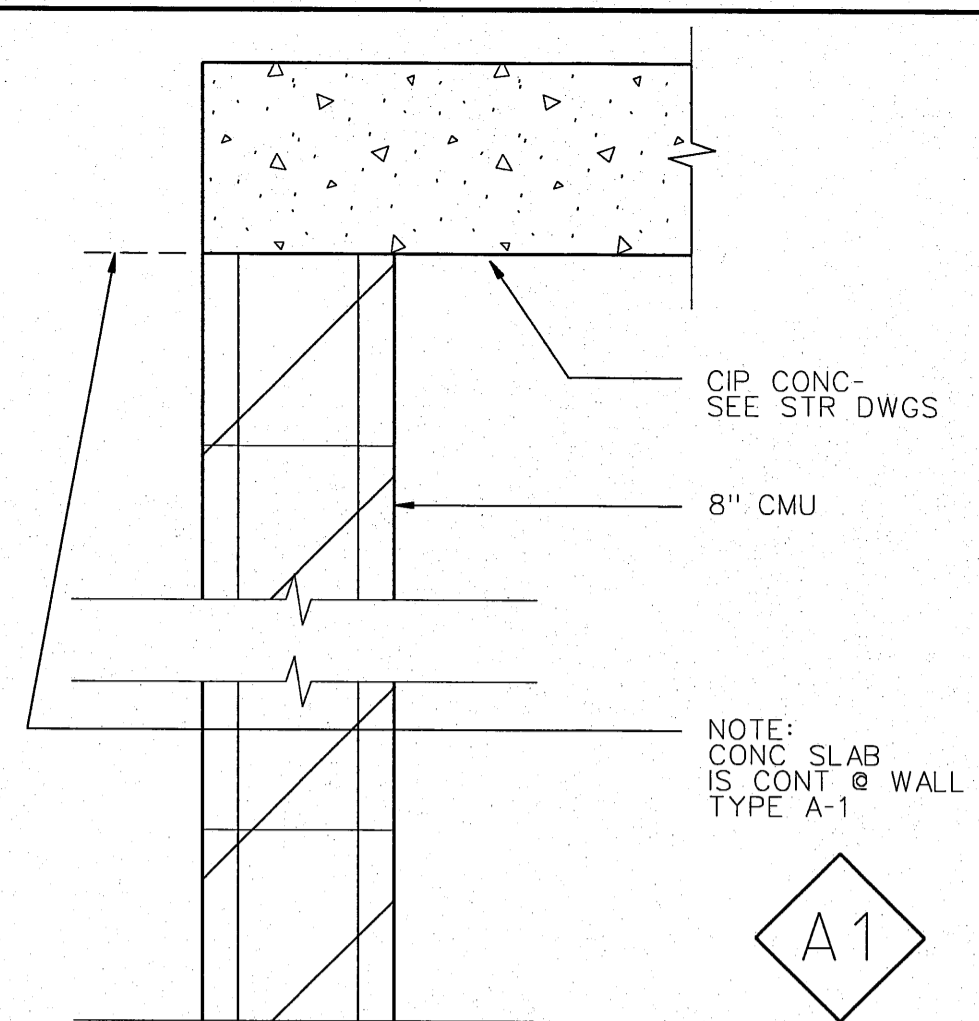
REST ROOM, RM 119 WEST ELEVATION 14



REST ROOM, RM 119 NORTH ELEVATION 15



NO.	W/O	COMPUTER REVISION ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: A08_NEOH.dgn					
Design D. HOGAN					
Drawn A. KOLOMIYETS					
Chkd _____					
Sub _____					
Rec _____					
Rec _____					
Appr _____					
Date _____					
UNITED STATES DEPARTMENT OF ENERGY <b>BONNEVILLE POWER ADMINISTRATION</b> HEADQUARTERS, PORTLAND, OREGON <b>NORTHEAST OREGON HATCHERY PROGRAM</b> <b>LOSTINE RIVER HATCHERY</b>  <b>HATCHERY BUILDING</b> <b>INTERIOR ELEVATIONS</b>					
SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
---	---	A8	06	---	



SCALE: 1/2"=1'-0"

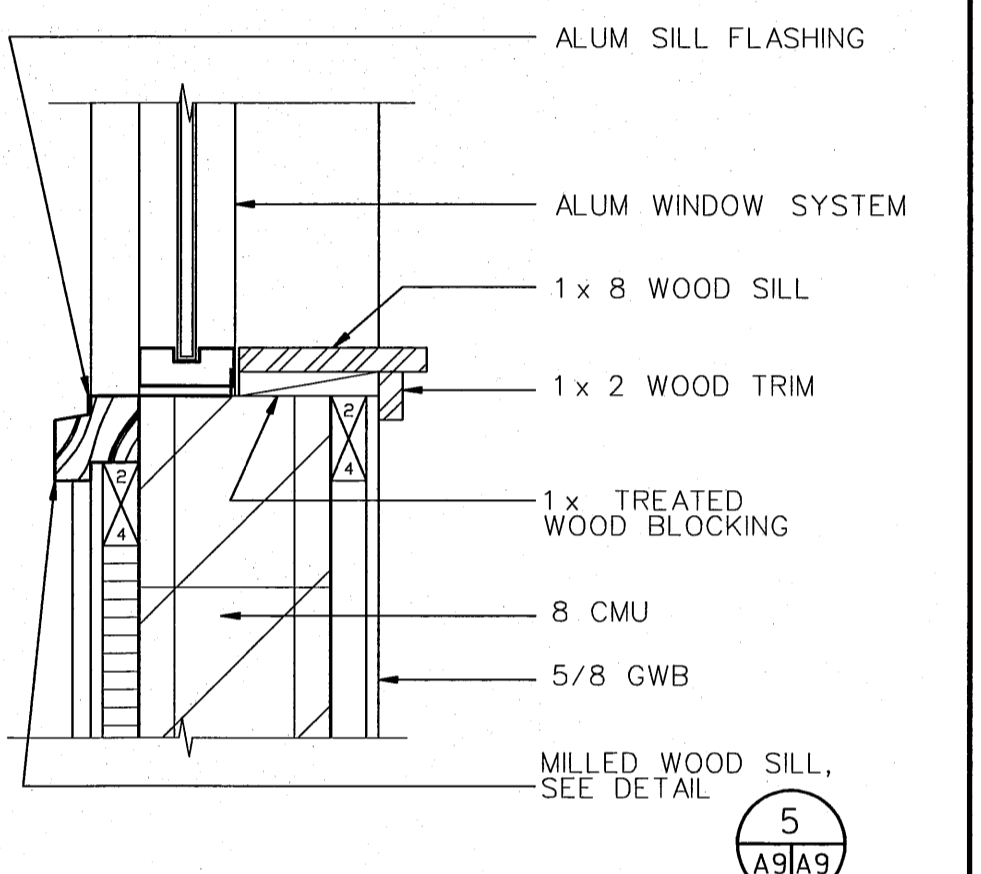
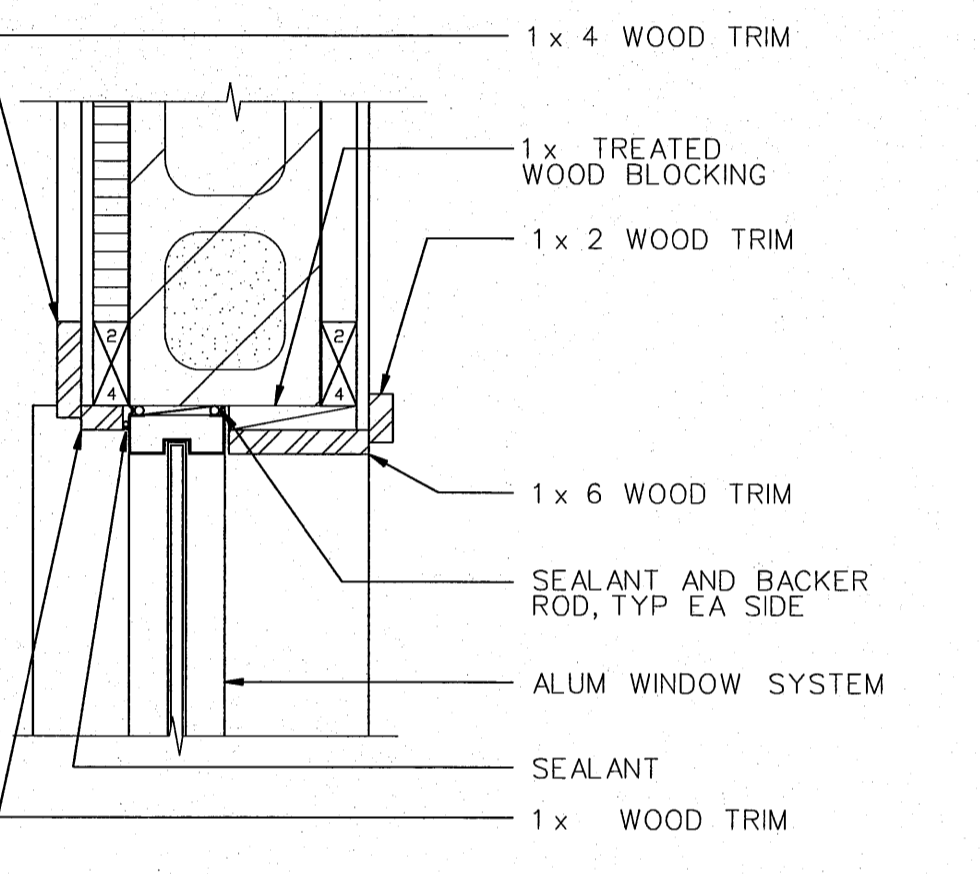
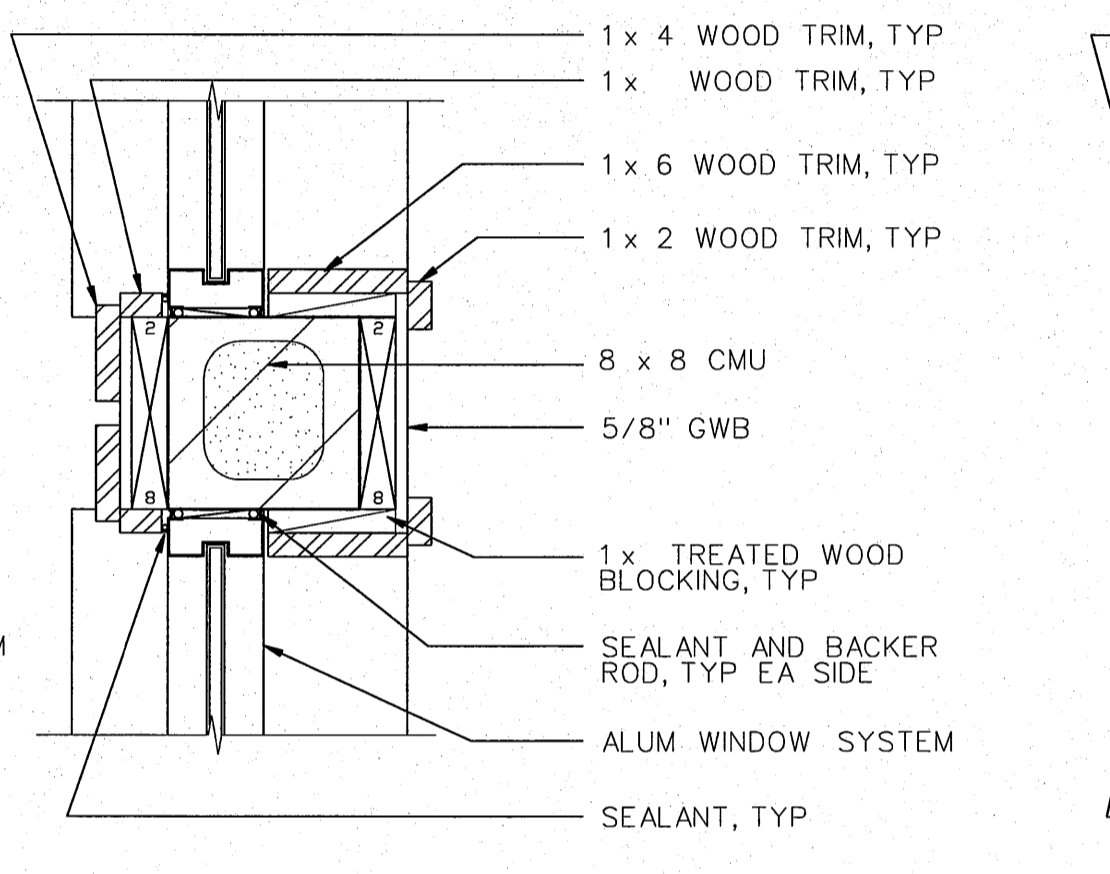
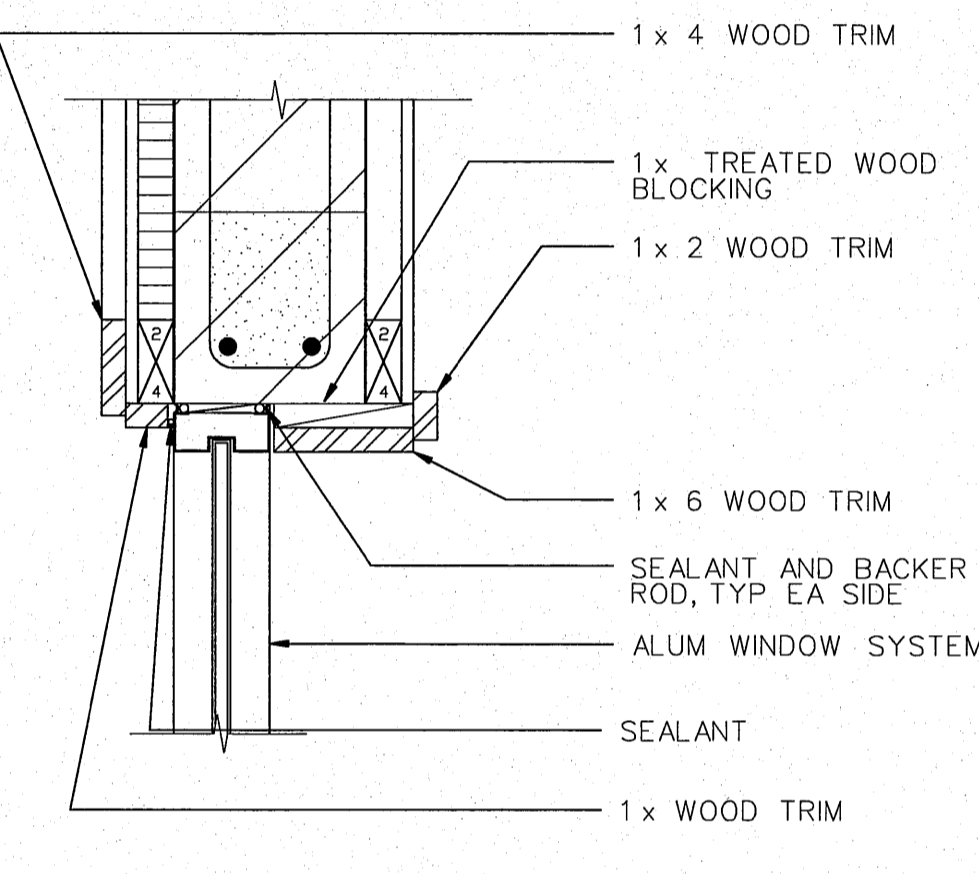
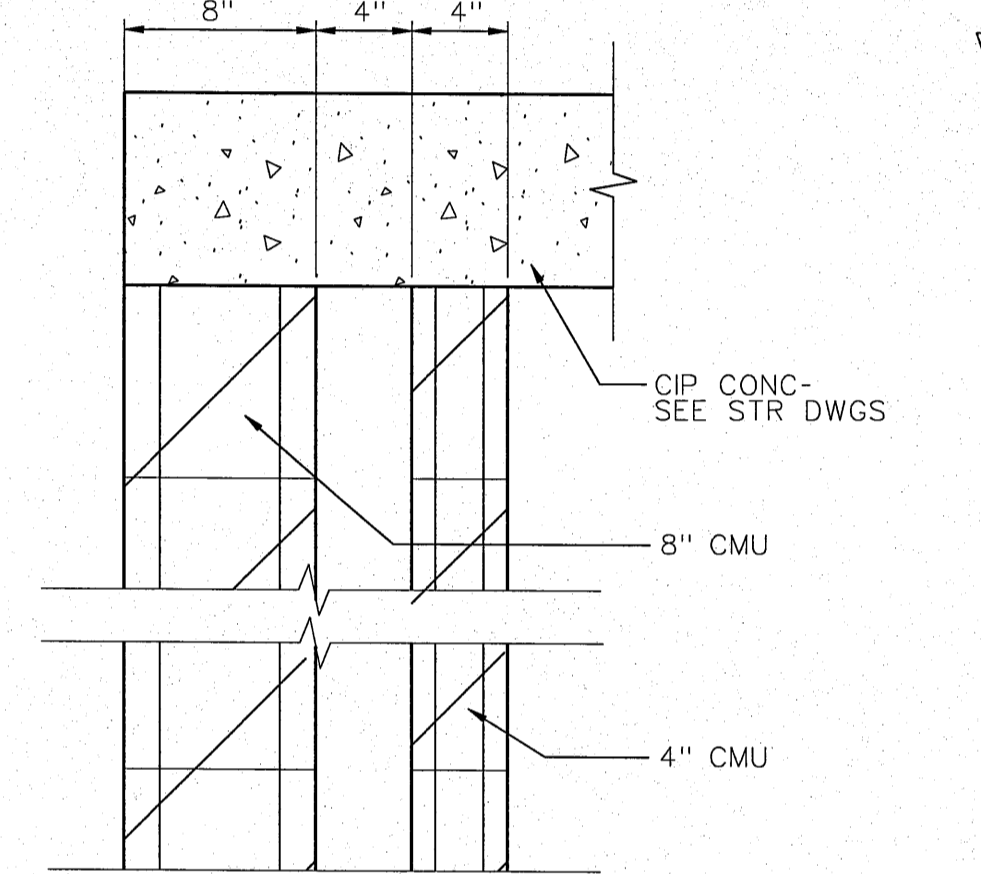
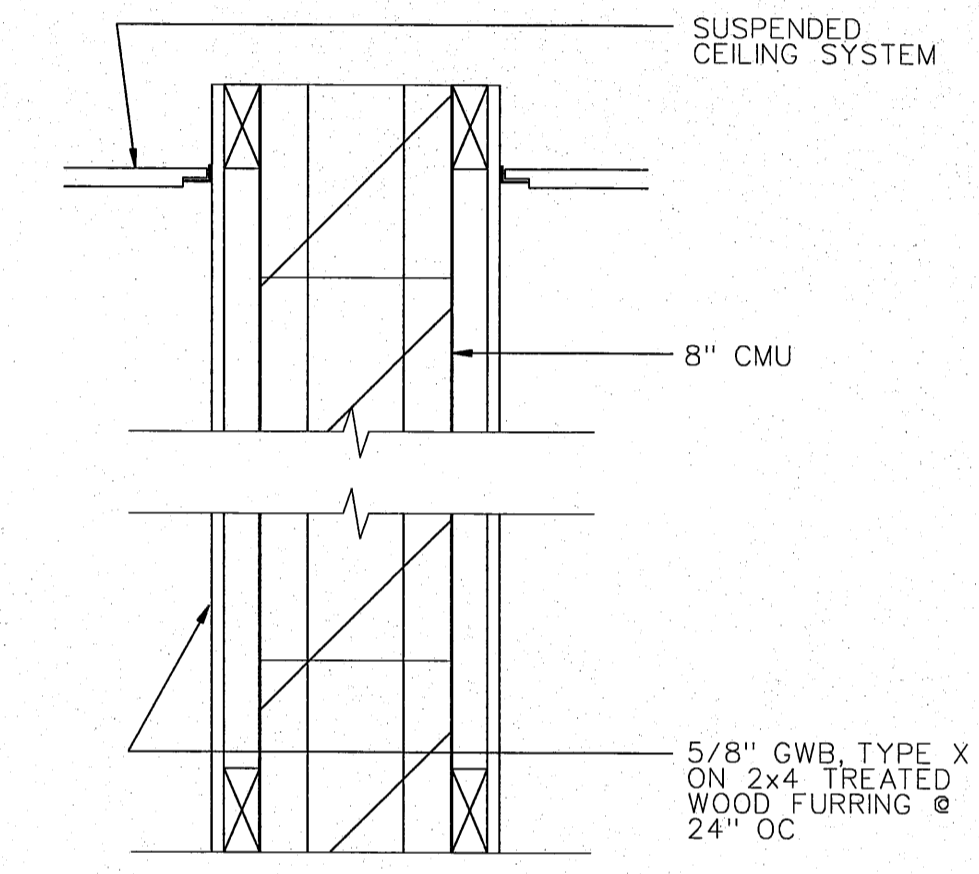
SCALE: 1/2"=1'-0"

SCALE: 1/2"=1'-0"

SCALE: 1/2"=1'-0"

SCALE: 1/2"=1'-0"

SCALE: 1/2"=1'-0"



SCALE: 1/2"=1'-0"

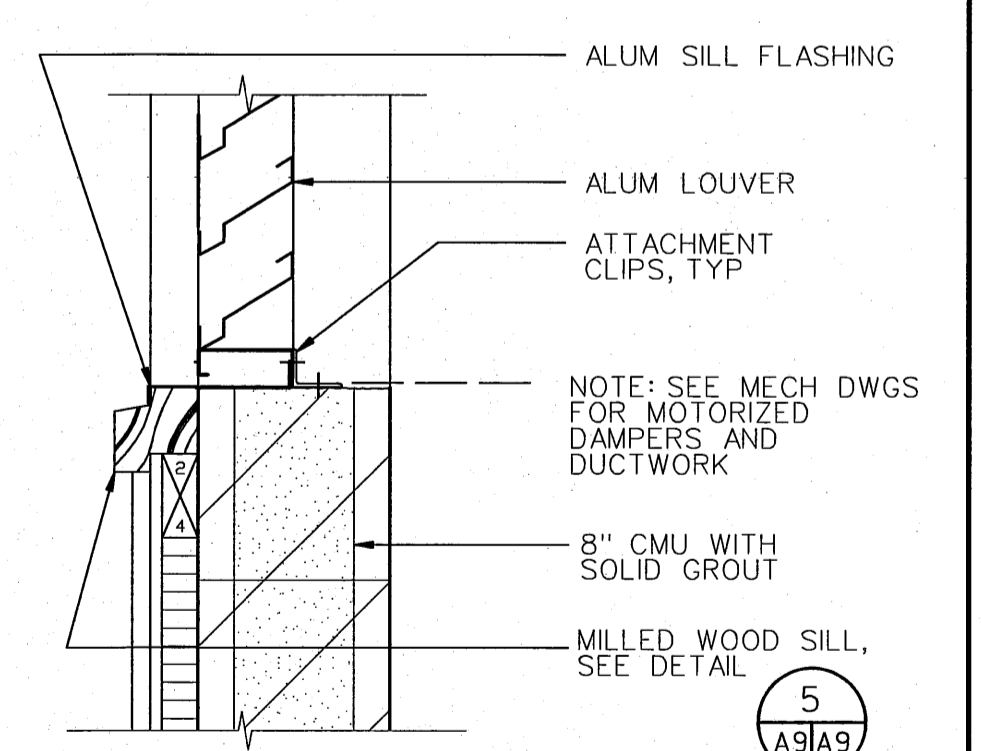
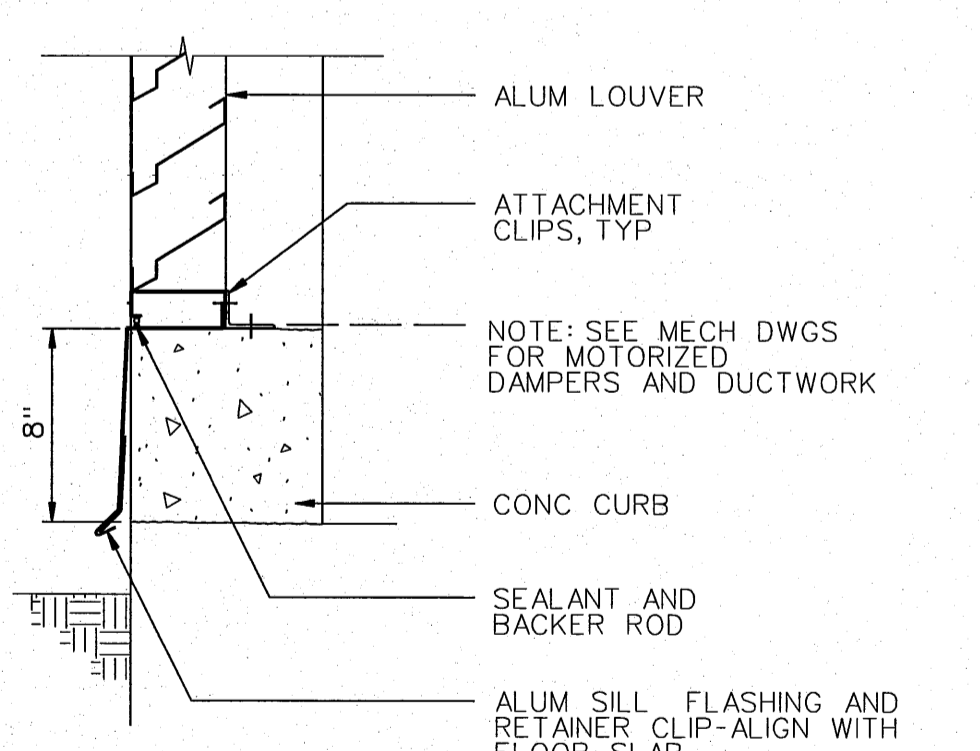
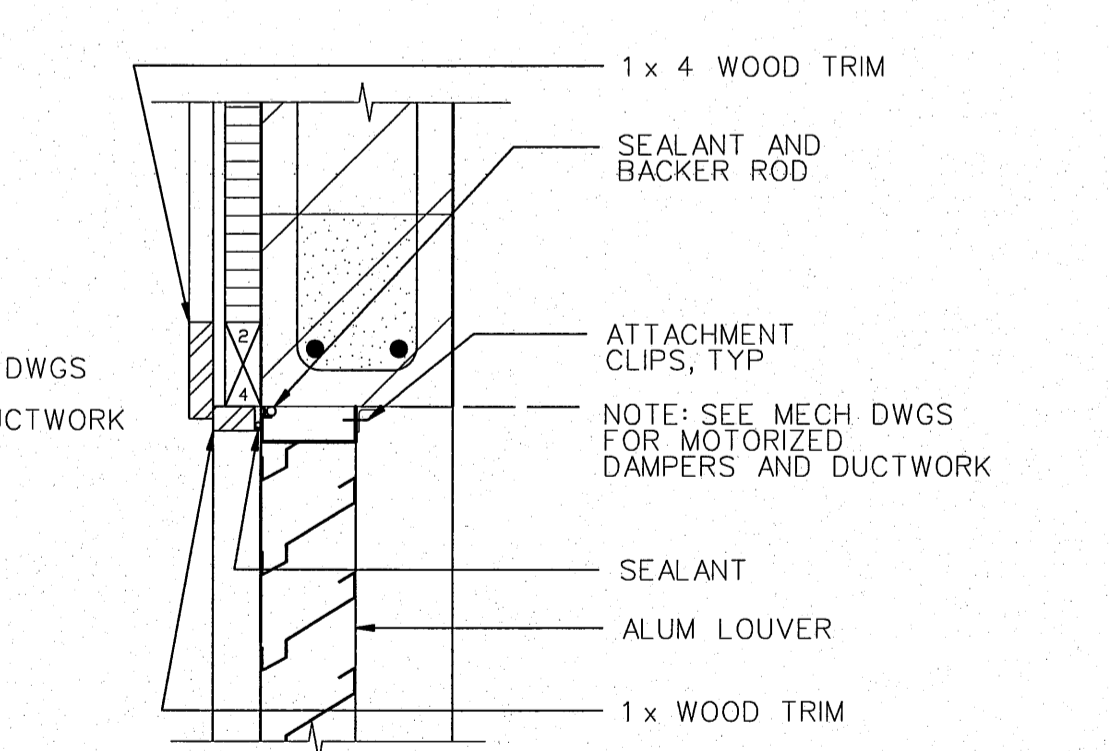
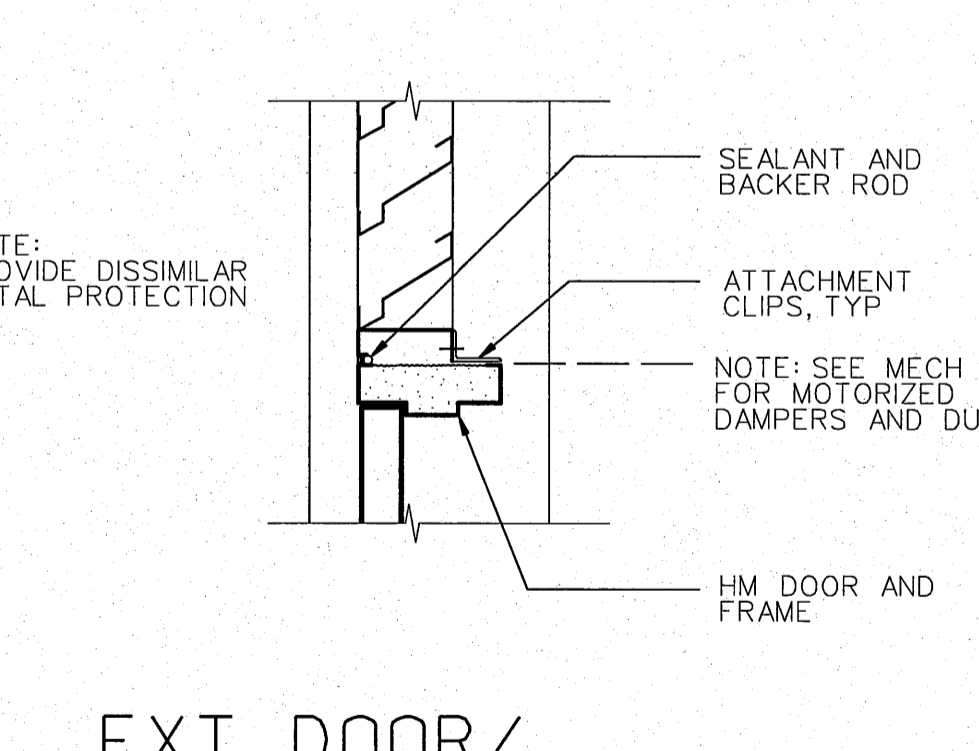
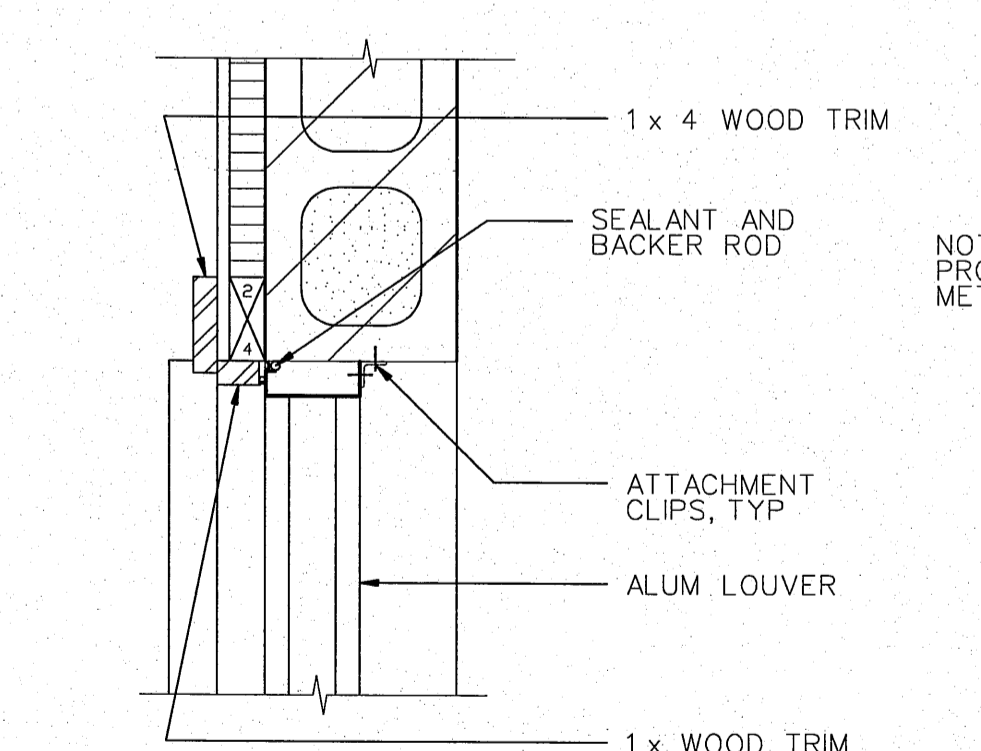
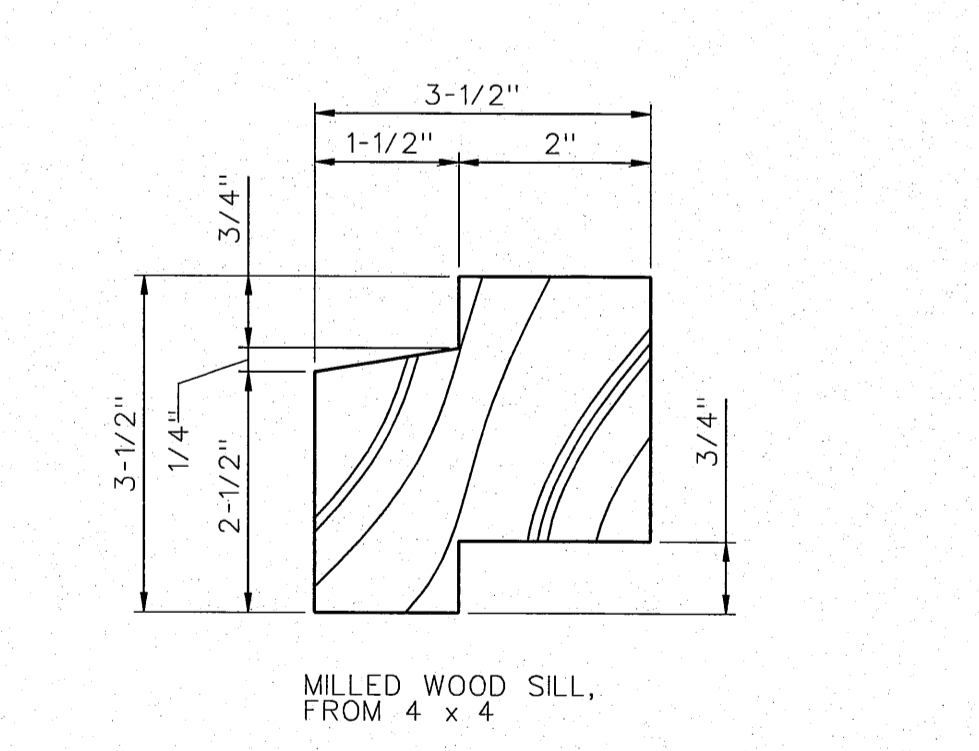
SCALE: 1/2"=1'-0"

SCALE: 1/2"=1'-0"

SCALE: 1/2"=1'-0"

SCALE: 1/2"=1'-0"

SCALE: 1/2"=1'-0"



SCALE: 1/2"=1'-0"

SCALE: 1/2"=1'-0"

SCALE: 1/2"=1'-0"

SCALE: 1/2"=1'-0"

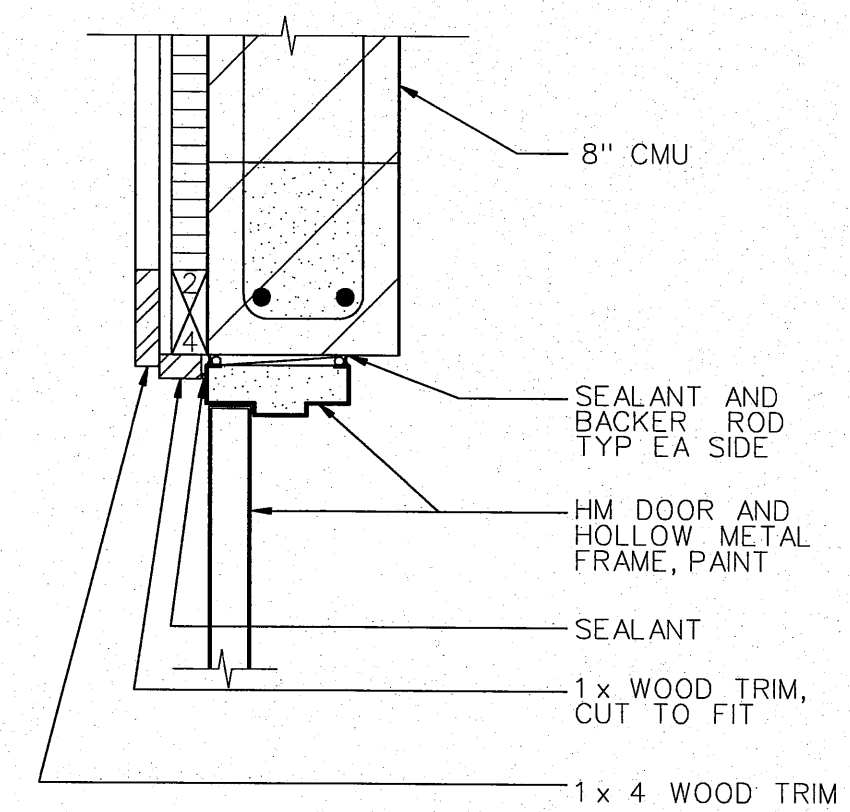
SCALE: 1/2"=1'-0"

SCALE: 1/2"=1'-0"

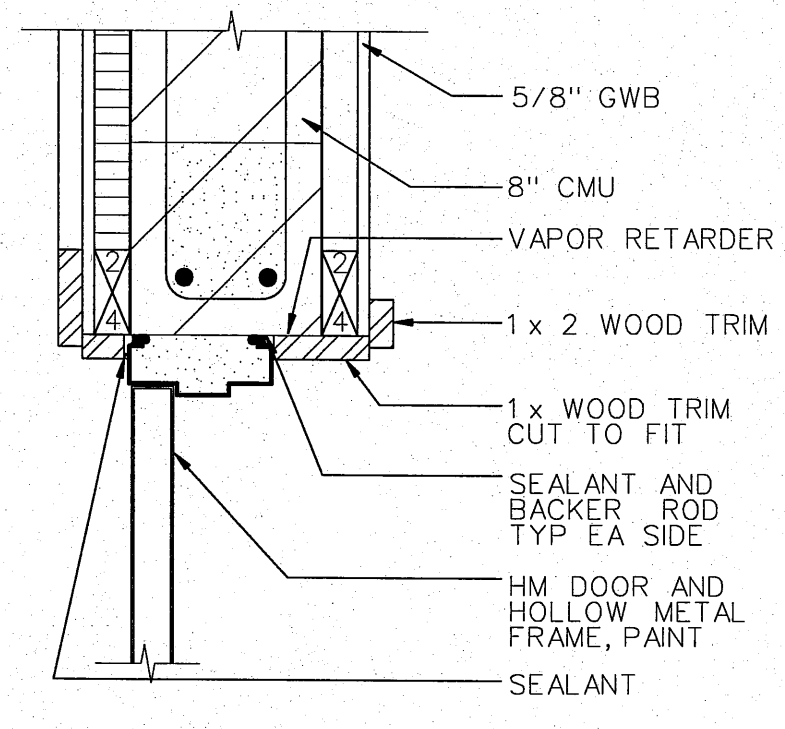
REGISTERED ARCHITECT  
DONN HOGAN  
BELLEVEUE, WASHINGTON  
LICENSE # 5009  
4/10/04 DATE  
Engineer Seal

HDR | FISHPRO

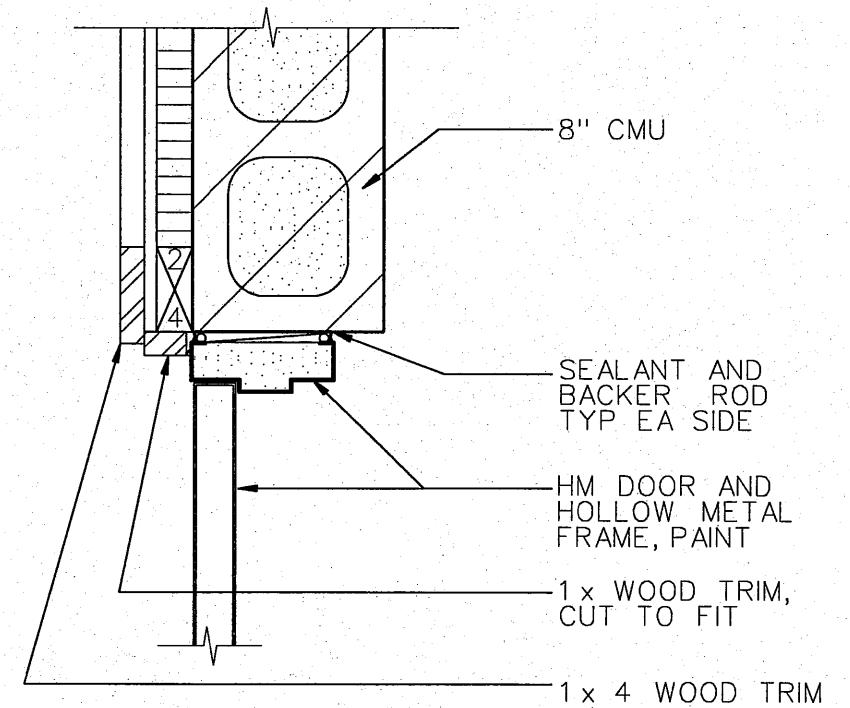
NO.	W/O	COMPUTER REVISION ONLY	BY	DATE	APPROVED	
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: A09_NEOH.dgn						
Design	D. HOGAN	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON				
Drawn	A. KOLOMIYETS	NORTHEAST OREGON HATCHERY PROGRAM LOSTINE RIVER HATCHERY				
Chkd		HATCHERY BUILDING SECTIONS AND DETAILS				
Sub						
Rec						
Appr						
Date		SERIAL	SOURCE	SHEET NO.	SHEET	REVISION
				A9	OF	



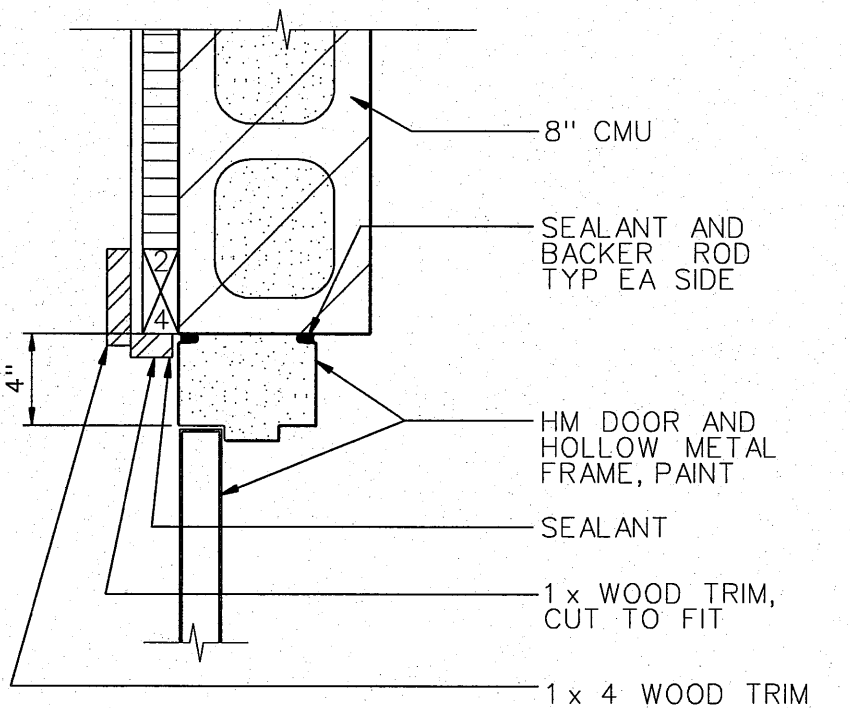
EXT DOOR HEAD 1 GA2/A10  
SCALE: 1/2"=1'-0"



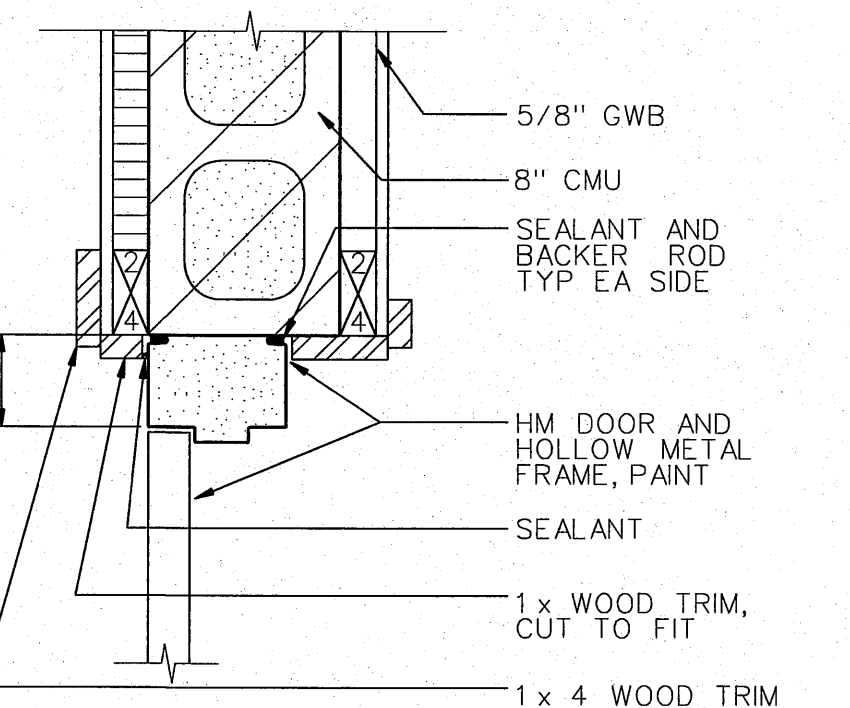
EXT DOOR HEAD 2 A6/A10  
SCALE: 1/2"=1'-0"



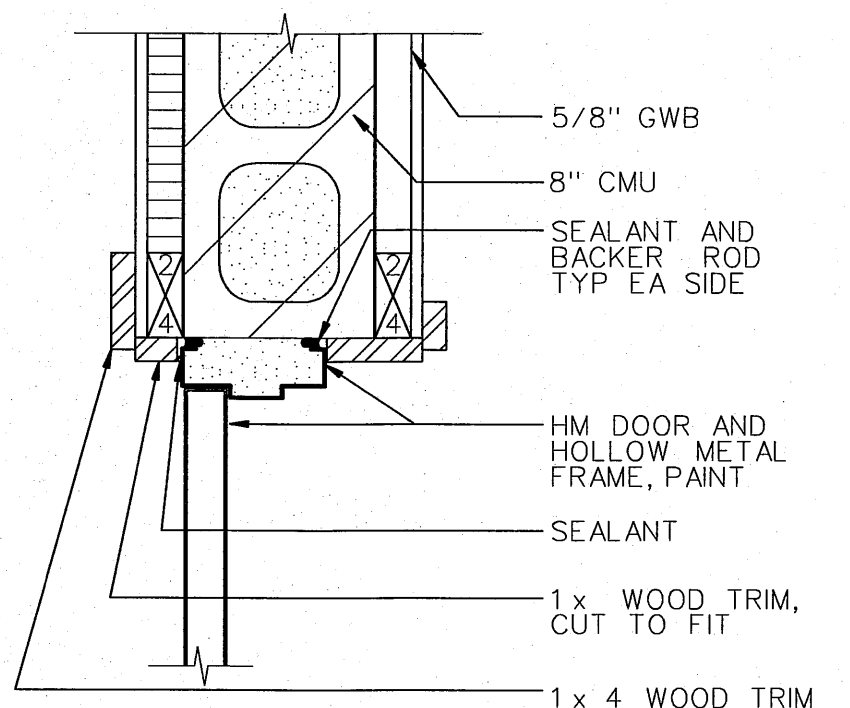
EXT DOOR JAMB 3 A5/A10  
SCALE: 1/2"=1'-0"



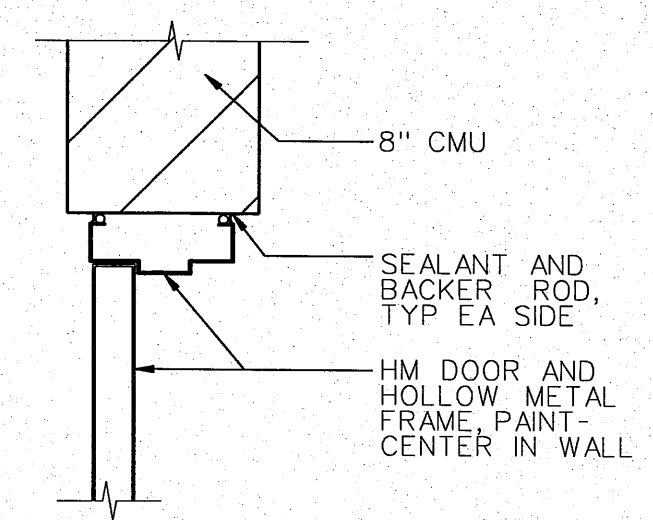
EXT DOOR JAMB 4 GA2/A10  
SCALE: 1/2"=1'-0"



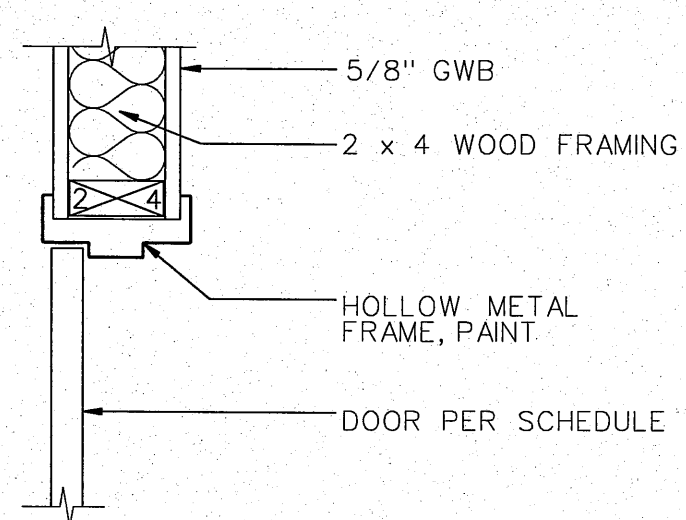
EXT DOOR JAMB 5 GA2/A10  
SCALE: 1/2"=1'-0"



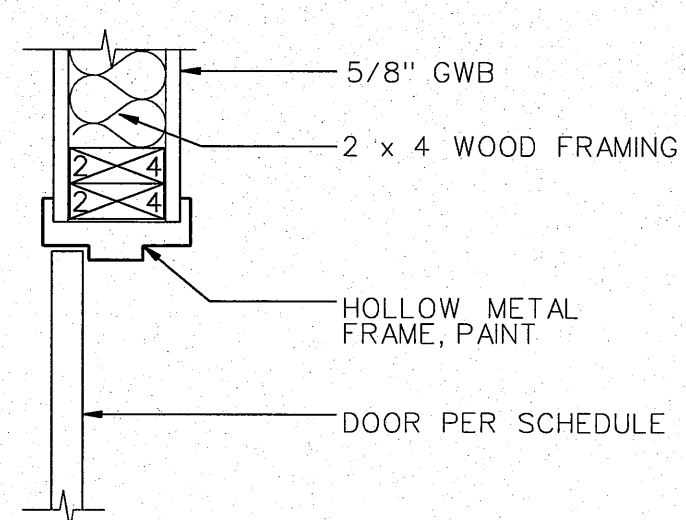
EXT DOOR JAMB 6 A6/A10  
SCALE: 1/2"=1'-0"



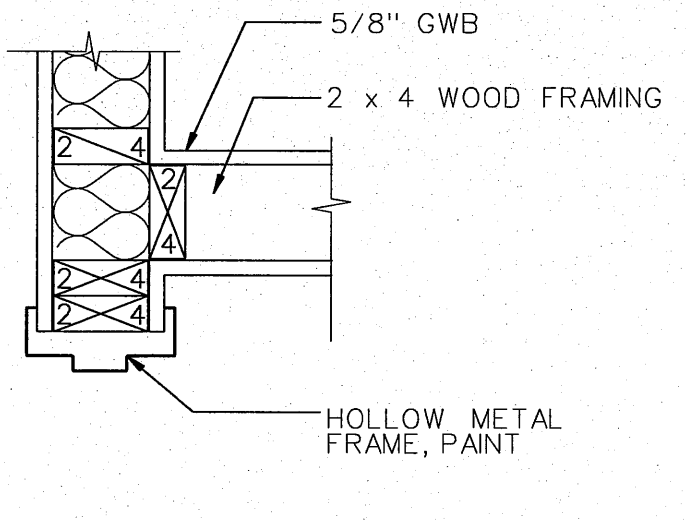
INT DOOR HEAD/JAMB 7 GA2/A10  
SCALE: 1/2"=1'-0"



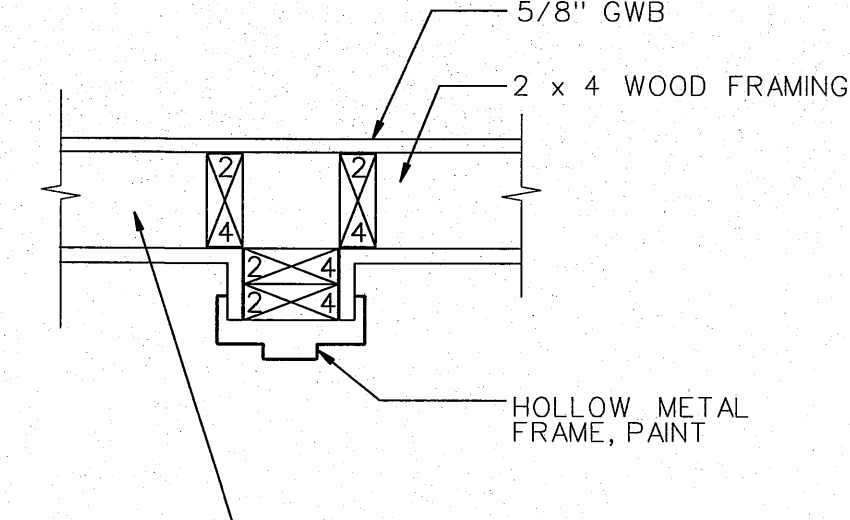
INT DOOR HEAD 8 GA2/A10  
SCALE: 1/2"=1'-0"



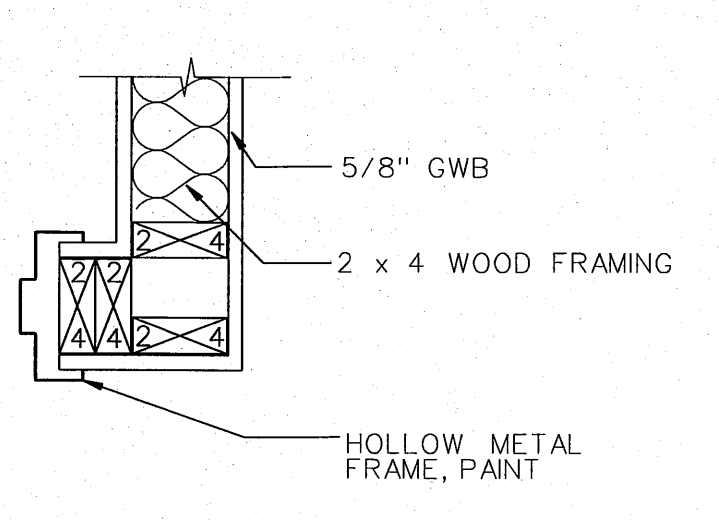
INT DOOR JAMB 9 GA2/A10  
SCALE: 1/2"=1'-0"



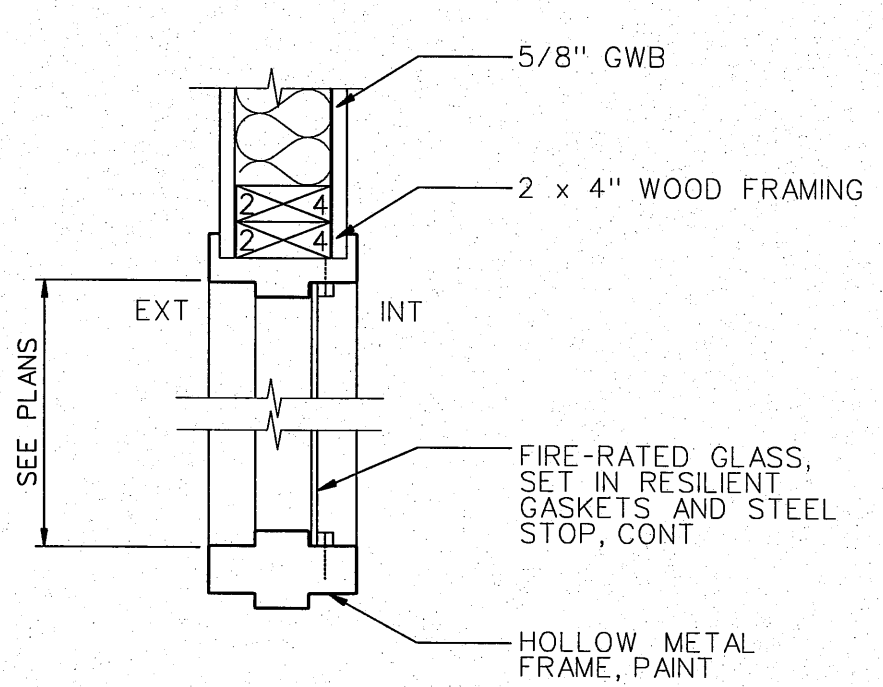
INT DOOR JAMB 10 GA2/A10  
SCALE: 1/2"=1'-0"



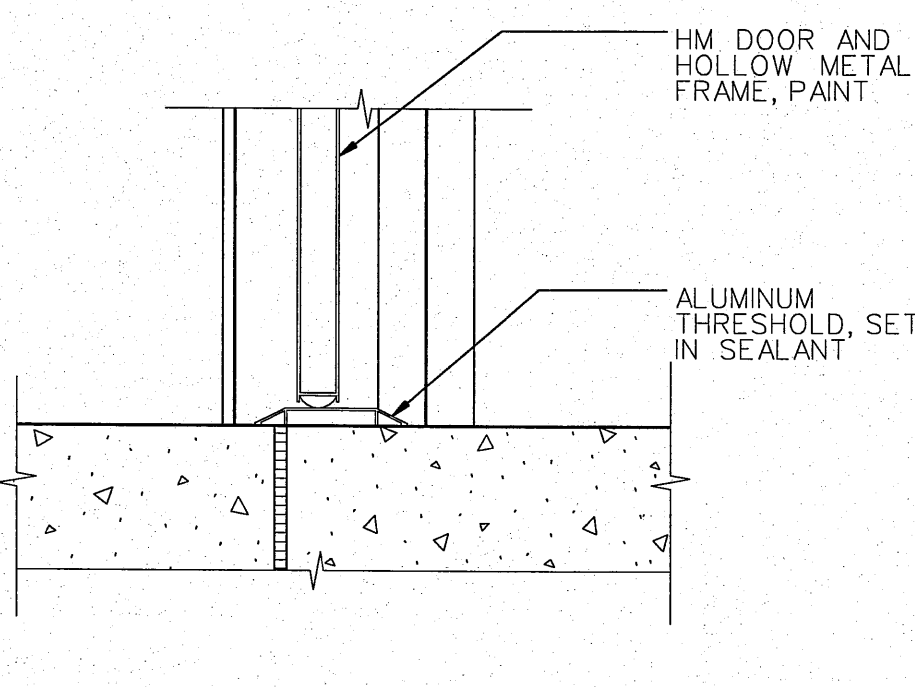
INT DOOR JAMB 11 GA2/A10  
SCALE: 1/2"=1'-0"



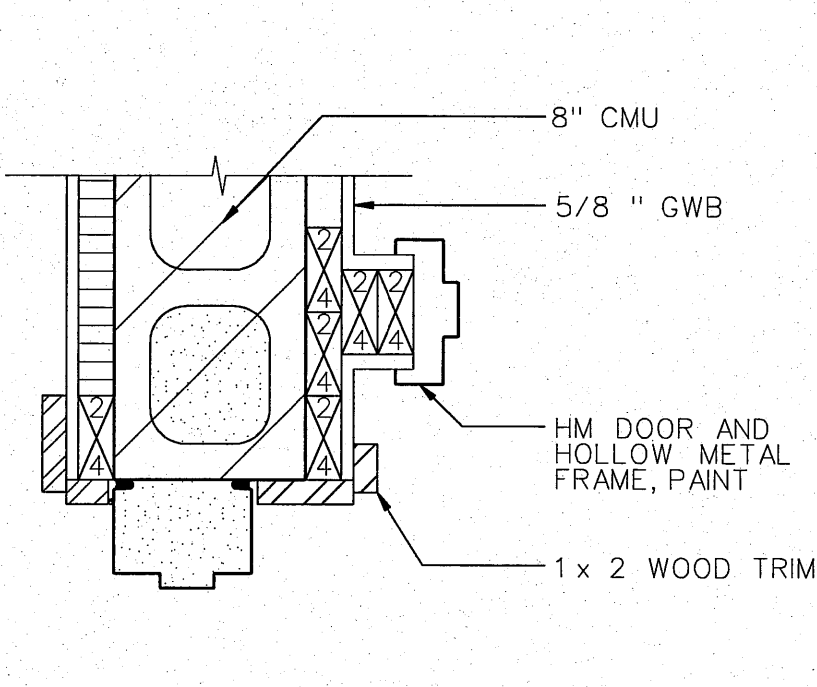
INT DOOR JAMB 12 GA2/A10  
SCALE: 1/2"=1'-0"



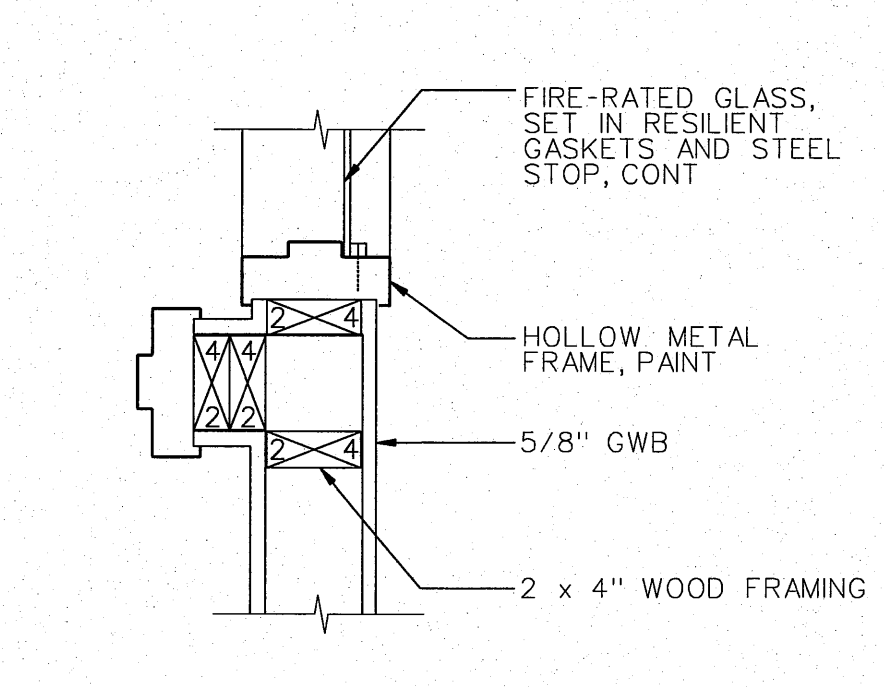
RELITE/JAMB 13 GA2/A10  
SCALE: 1/2"=1'-0"



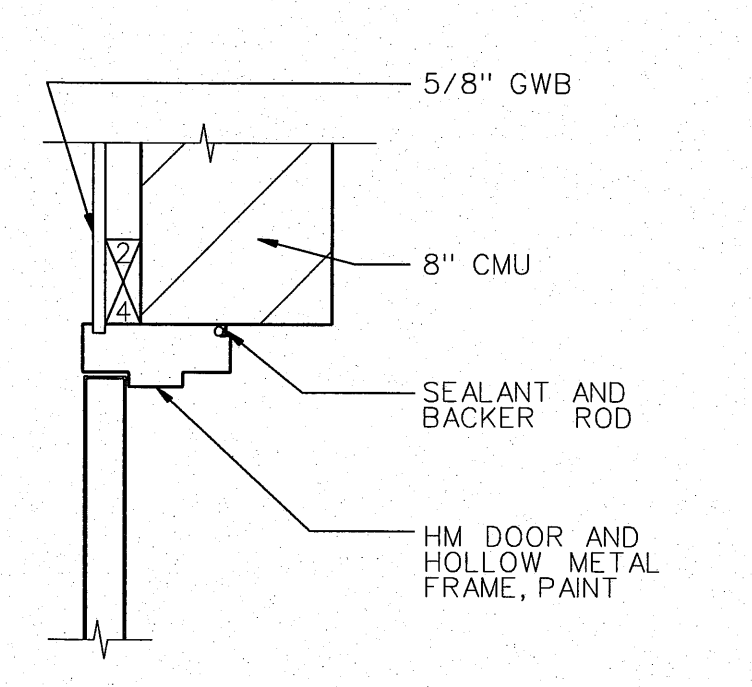
THRESHOLD 14 GA2/A10  
SCALE: 1/2"=1'-0"



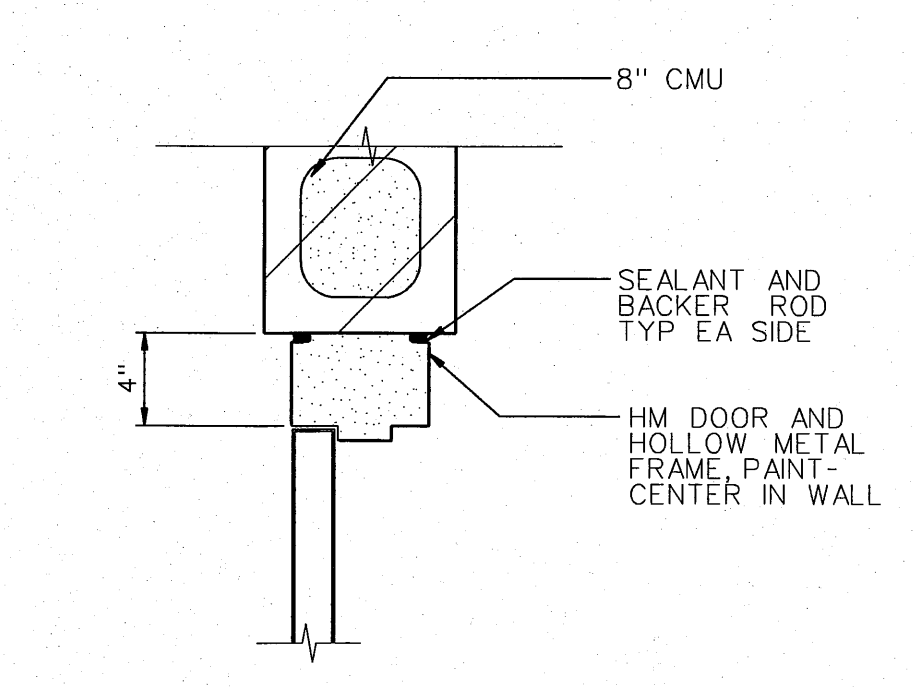
EXT/INT JAMB 15 GA2/A10  
SCALE: 1/2"=1'-0"



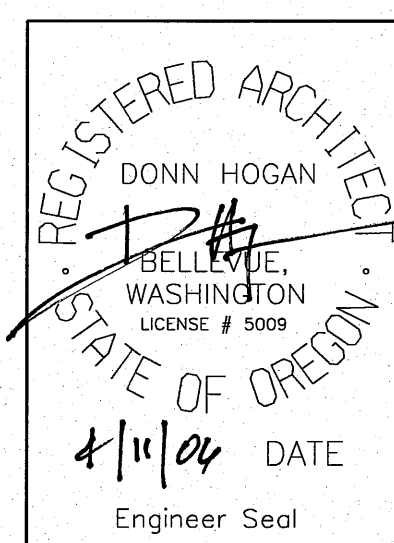
THRESHOLD 16 GA2/A10  
SCALE: 1/2"=1'-0"



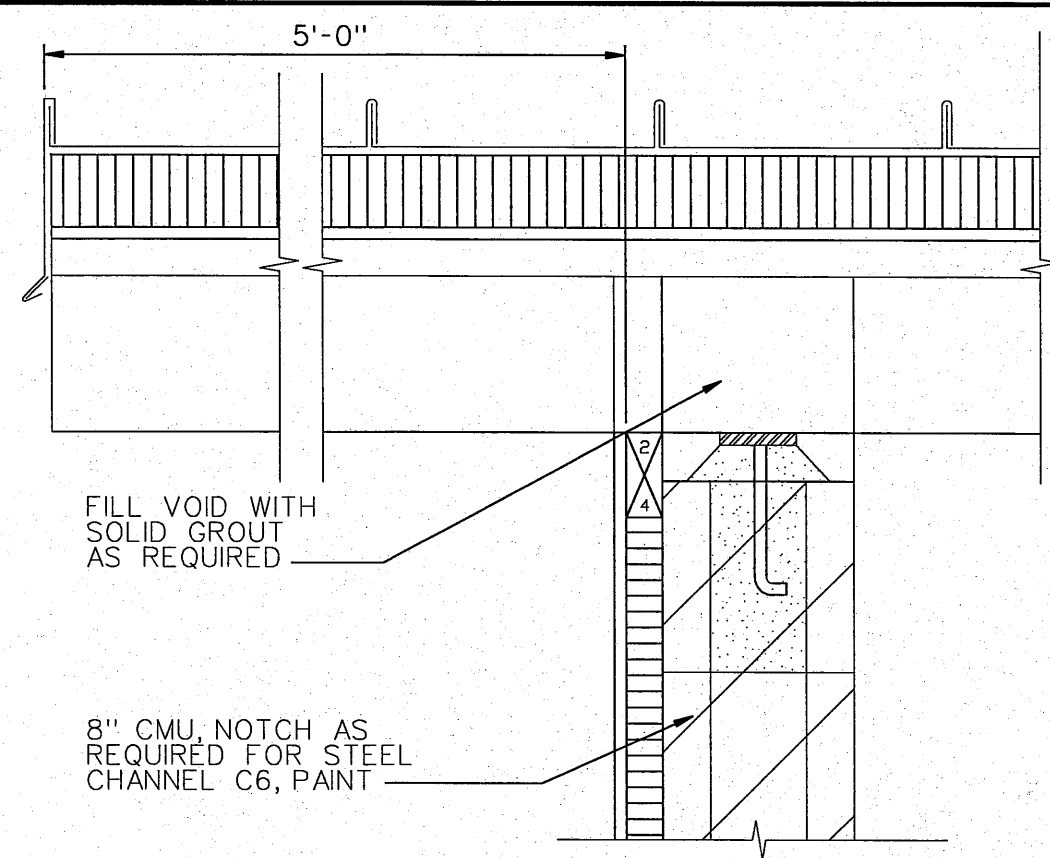
INT DOOR HEAD/JAMB 17 GA2/A10  
SCALE: 1/2"=1'-0"



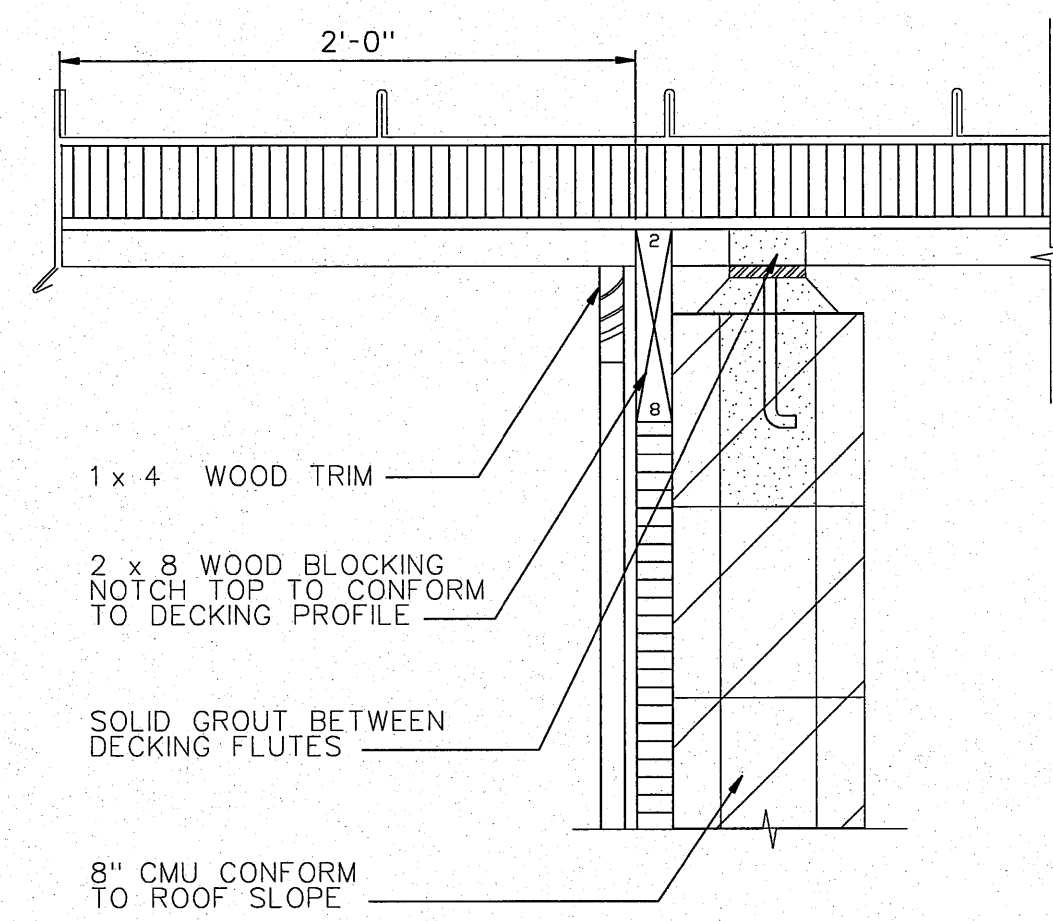
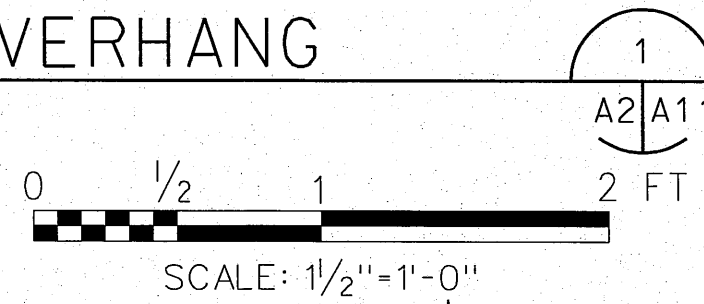
INT. DOOR JAMB 18 GA2/A10  
SCALE: 1/2"=1'-0"



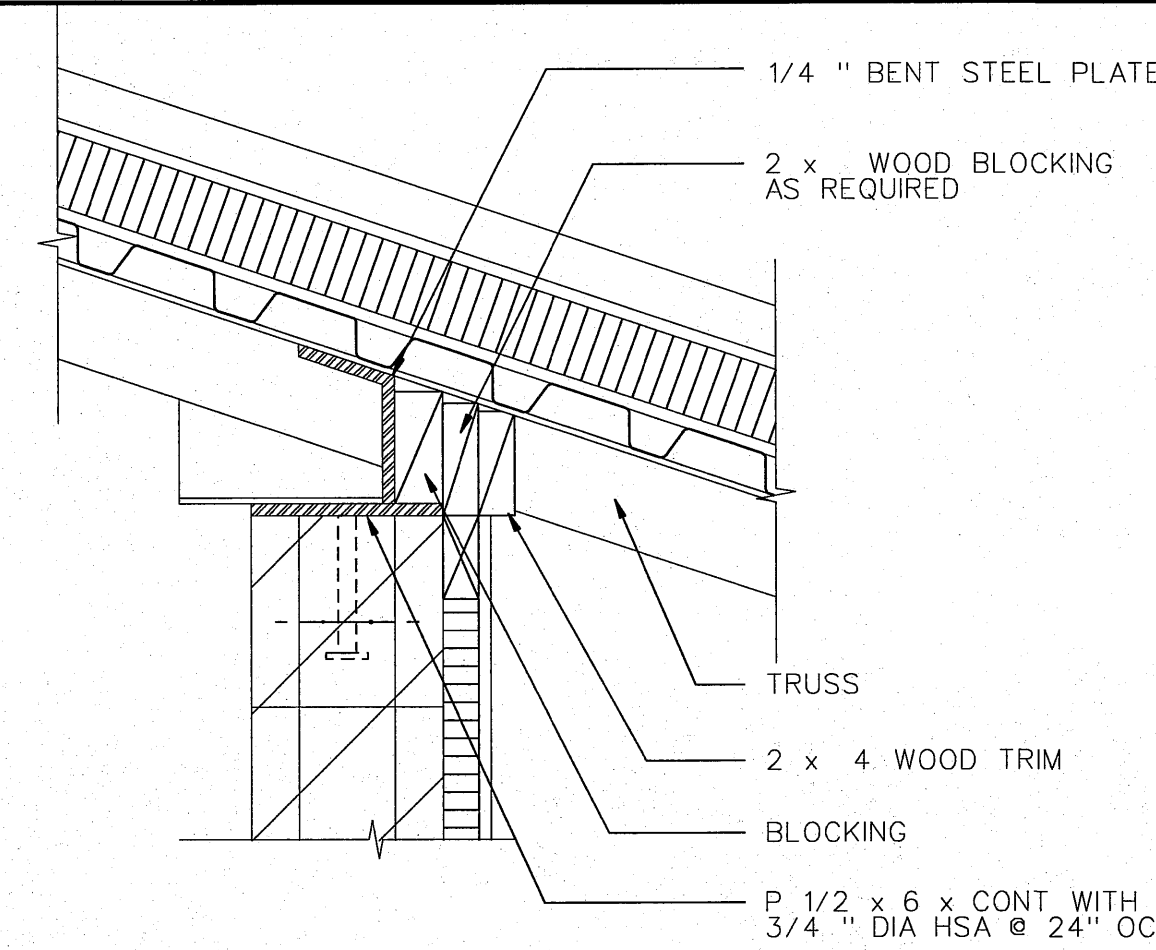
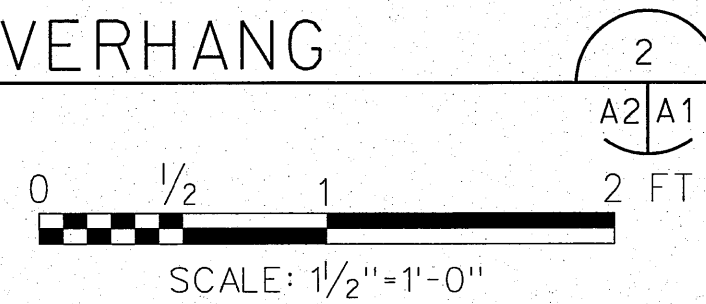
NO.	W/O	COMPUTER REVISION ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: A10_NEQH.dgn					
Design	D. HOGAN	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON			
Drawn	A. KOLOMIYETS	NORTHEAST OREGON HATCHERY PROGRAM LOSTINE RIVER HATCHERY			
Chk'd		HATCHERY BUILDING DETAILS 1			
Sub					
Rec					
Rec					
Appr		SERIAL	SOURCE	SHEET NO.	SHEET
Date				A10	OF



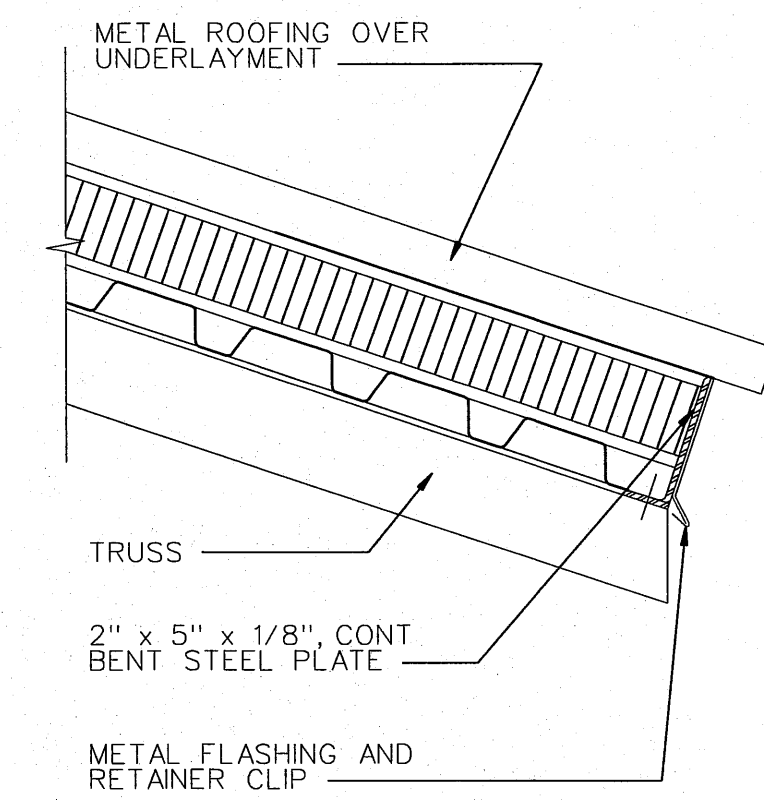
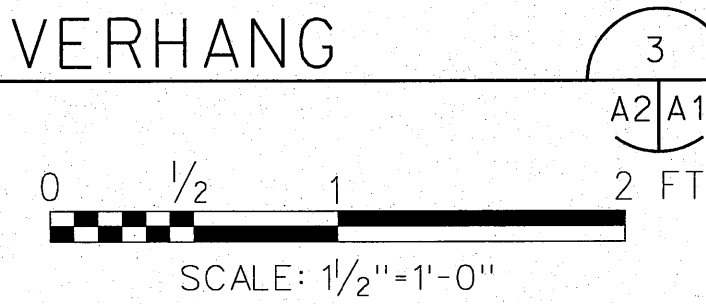
OVERHANG



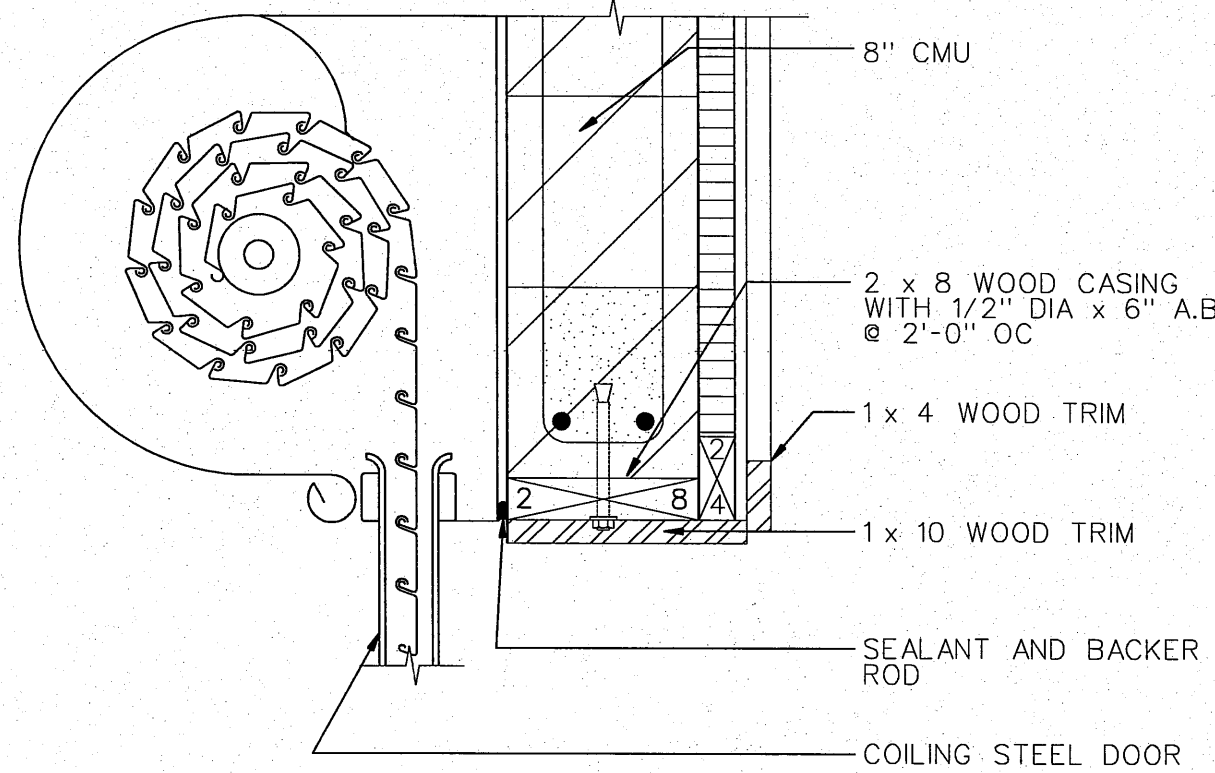
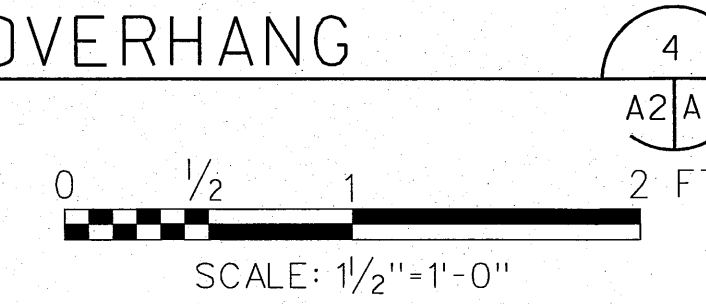
OVERHANG



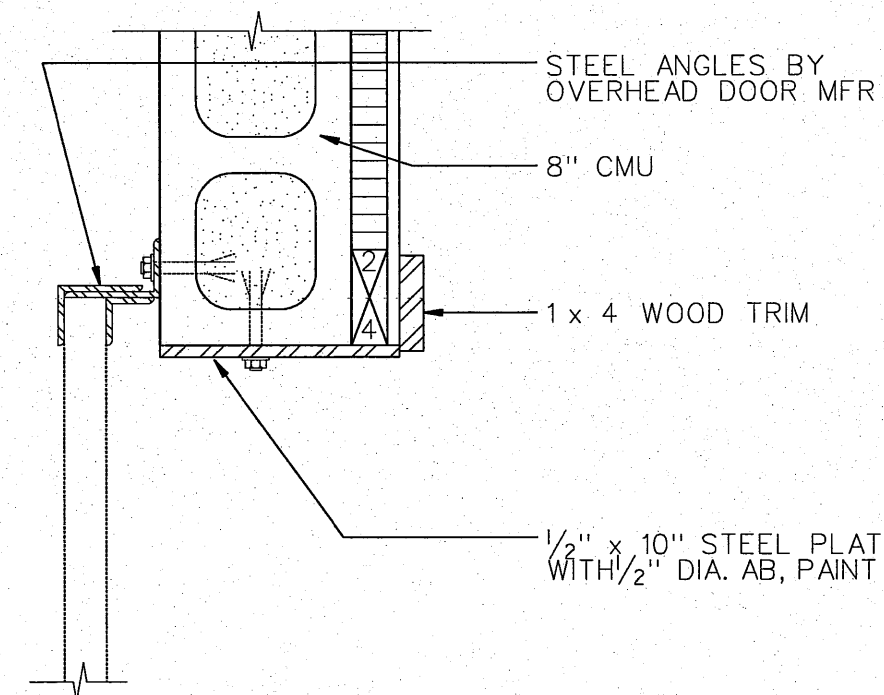
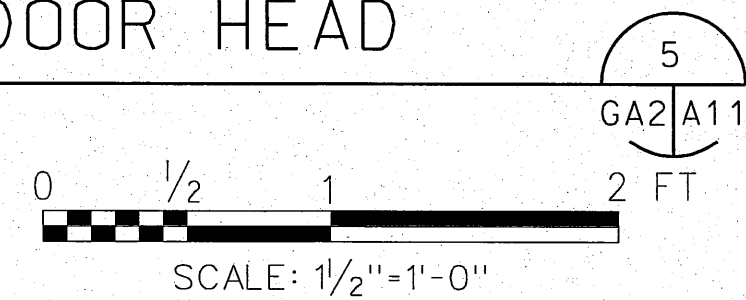
OVERHANG



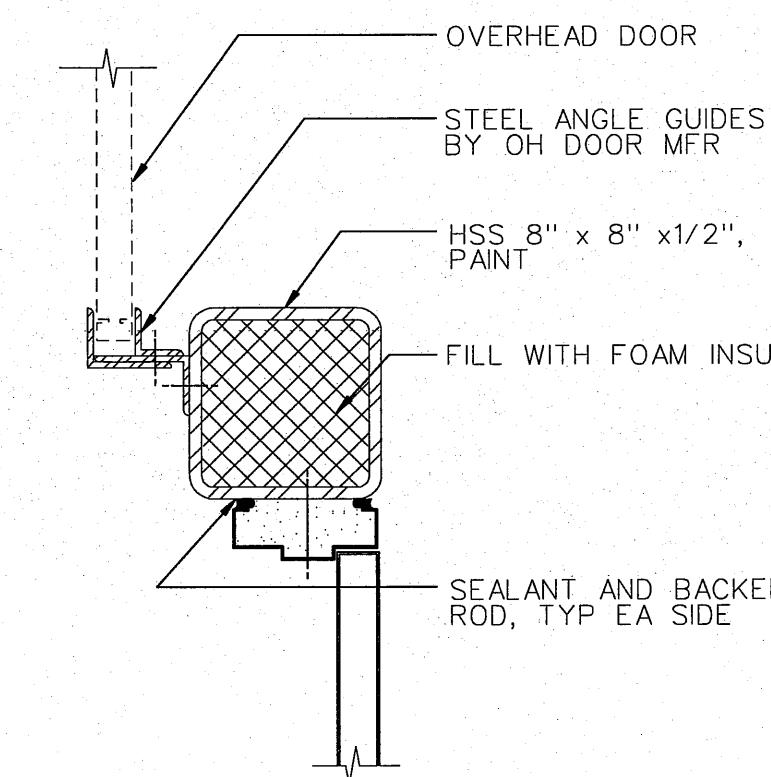
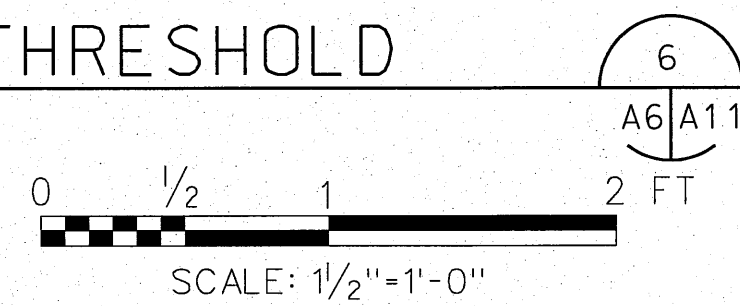
OVERHANG



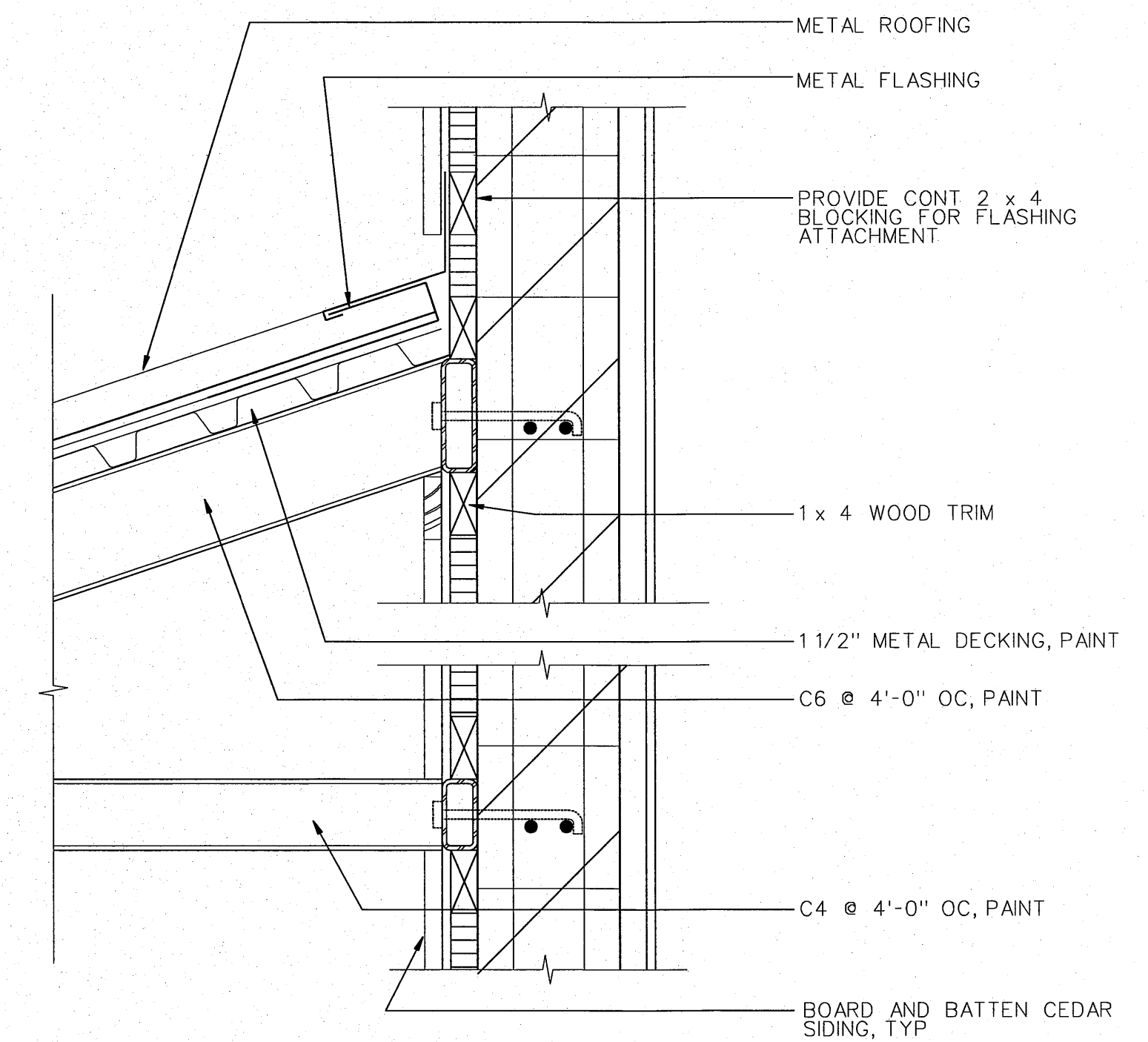
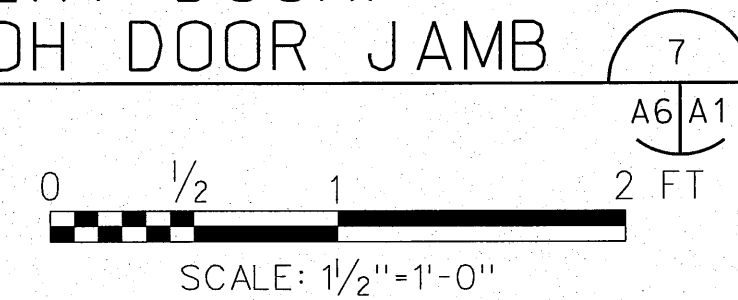
OVERHEAD DOOR HEAD



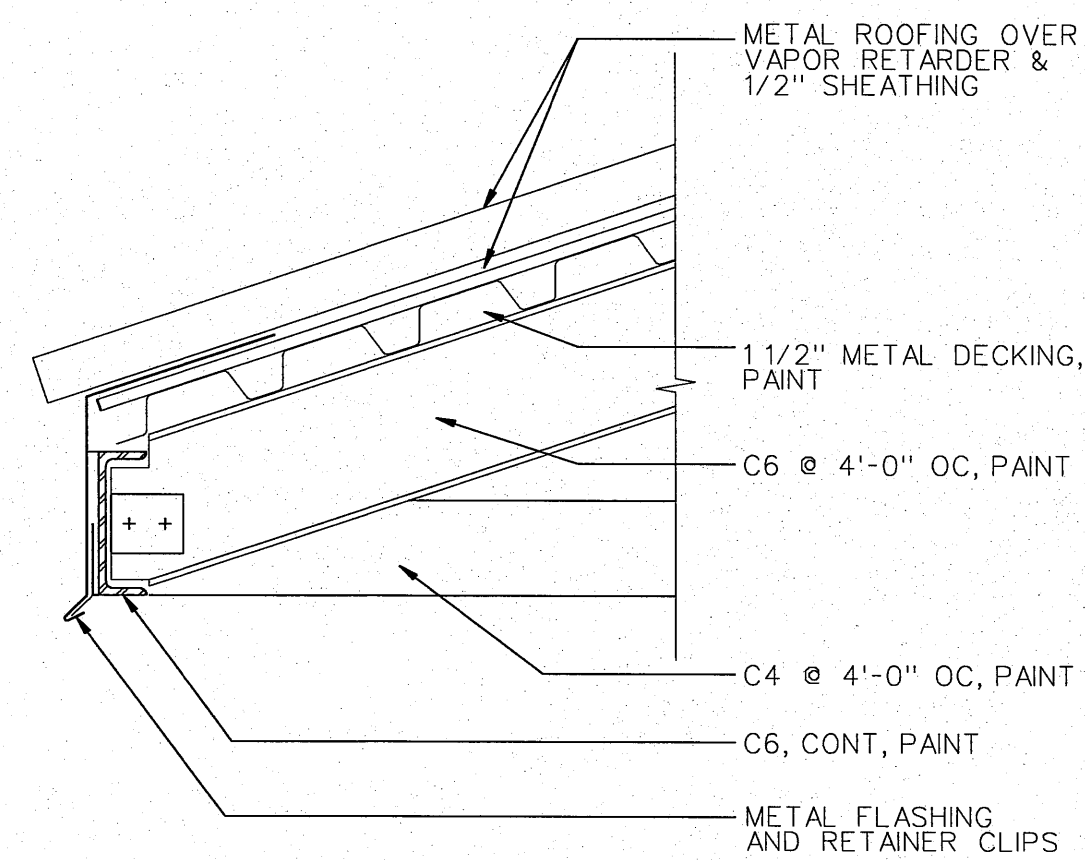
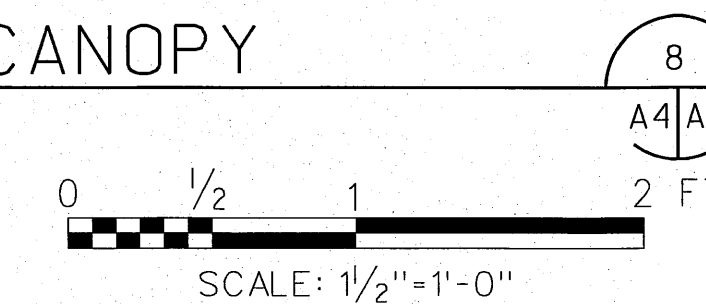
THRESHOLD



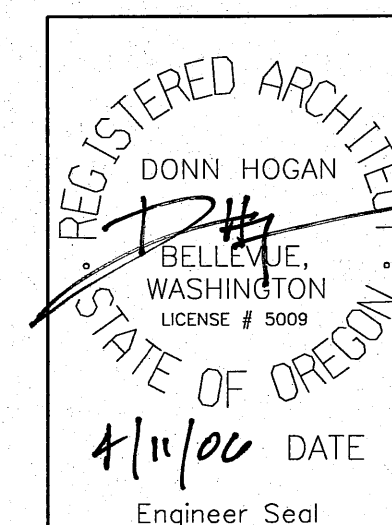
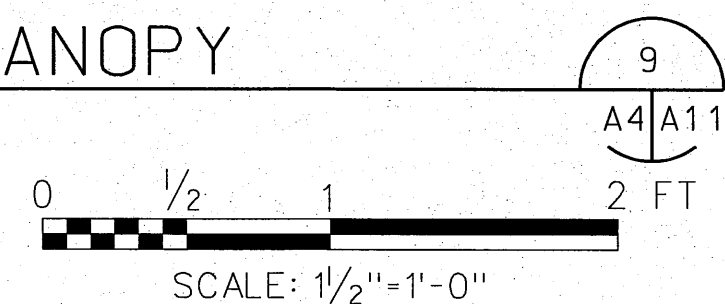
EXT DOOR/ OH DOOR JAMB



CANOPY



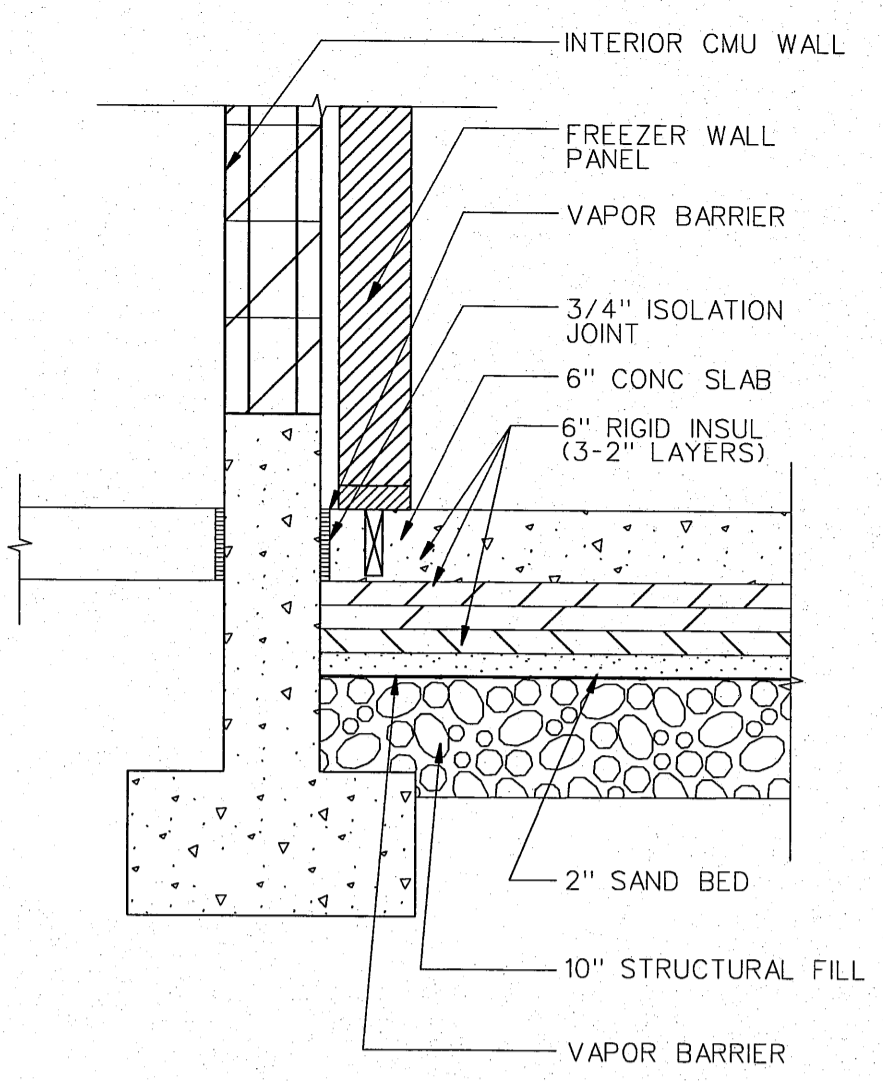
CANOPY



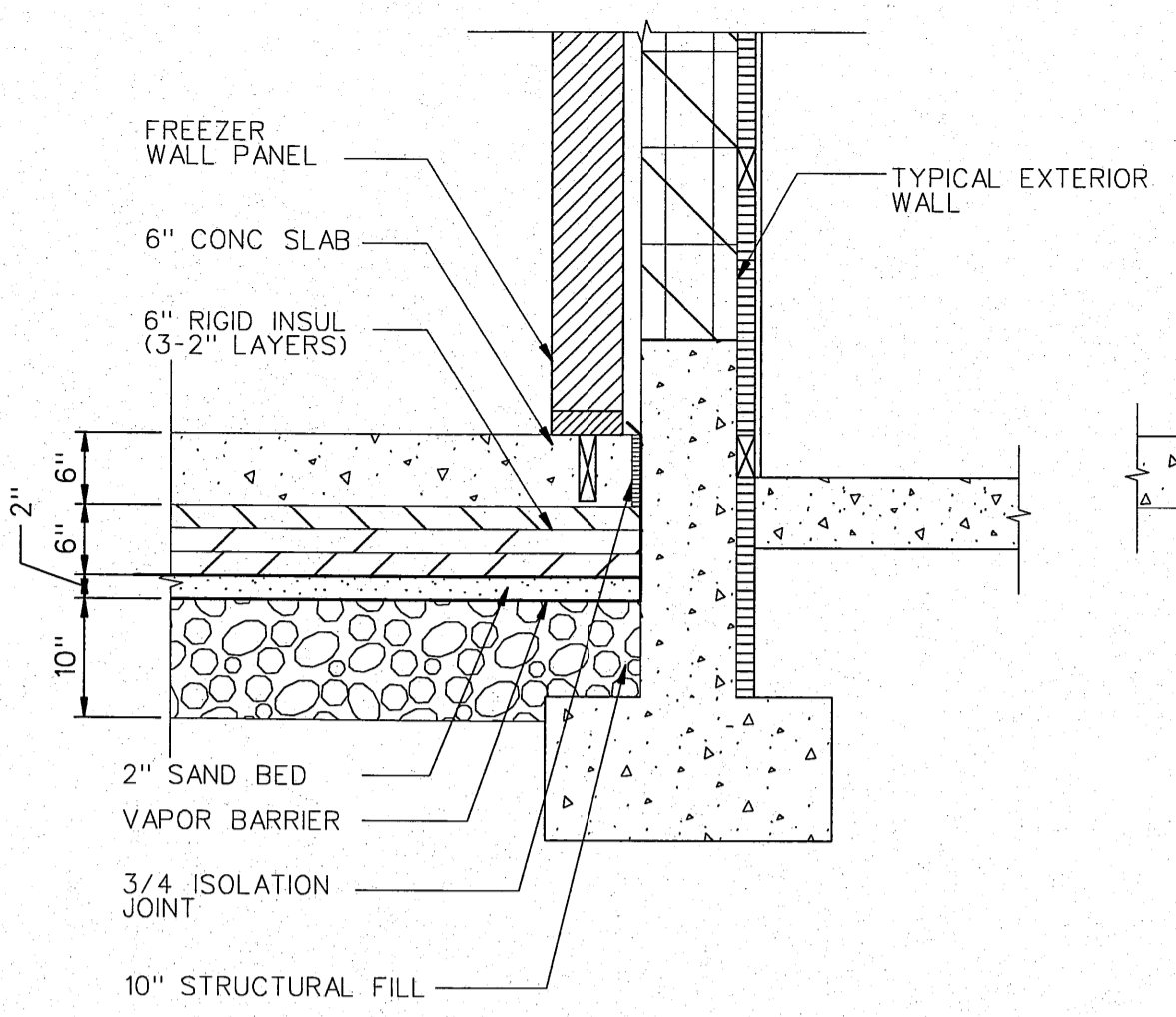
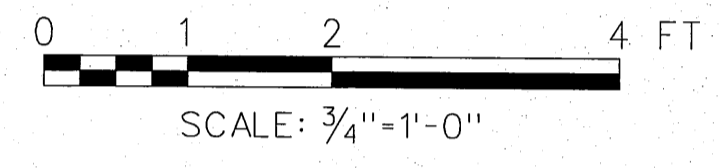
NO.	W/O	COMPUTER REVISION ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: A11_NEOH.dgn					
Design	D. HOGAN				
Drawn	A. KOLOMIYETS				
Chkd					
Sub					
Rec					
Rec					
Appr					
Date					
SERIAL		SOURCE	SHEET NO.	SHEET	REVISION
			A11	OF	

UNITED STATES DEPARTMENT OF ENERGY  
**BONNEVILLE POWER ADMINISTRATION**  
 HEADQUARTERS, PORTLAND, OREGON  
**NORtheast OREGON HATCHERY PROGRAM**  
 LOSTINE RIVER HATCHERY

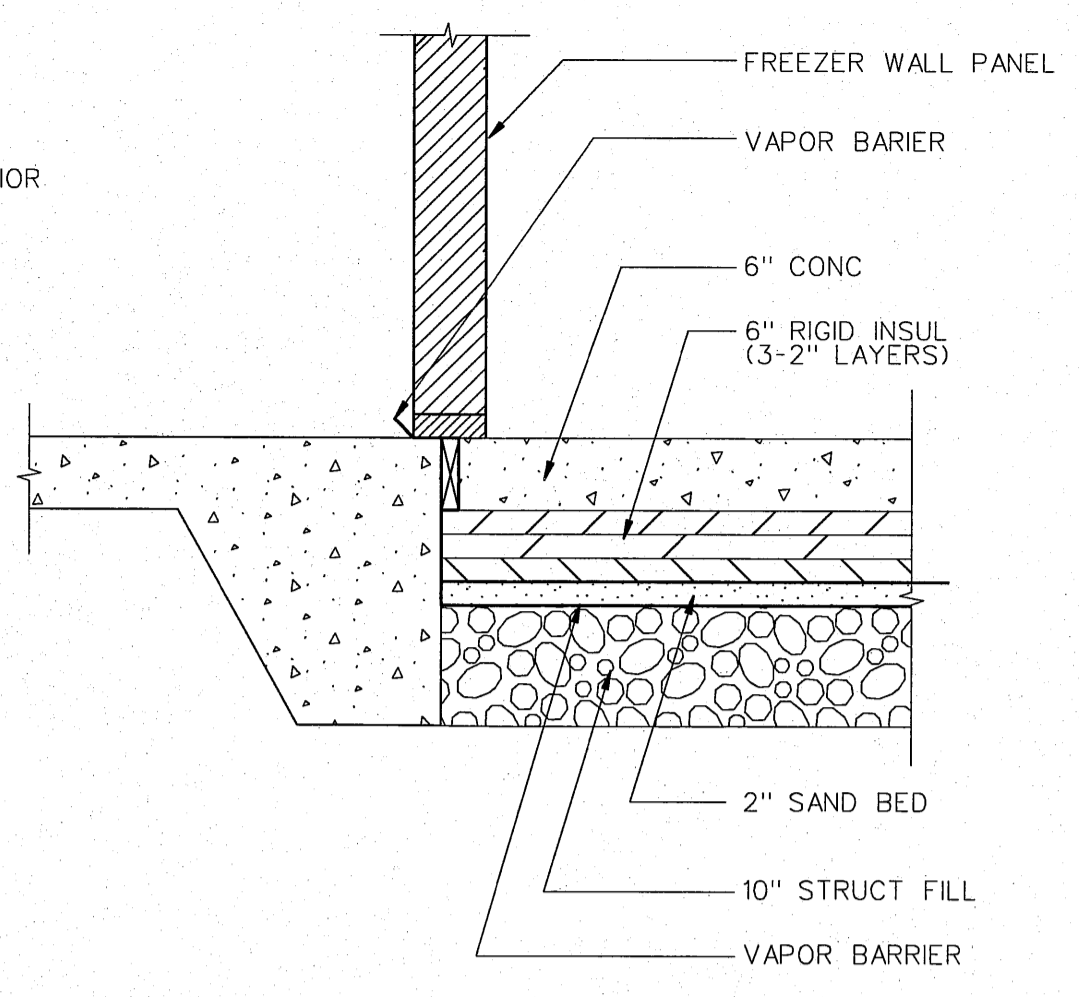
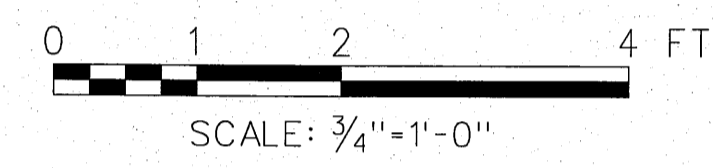
**HATCHERY BUILDING**  
**DETAILS 2**



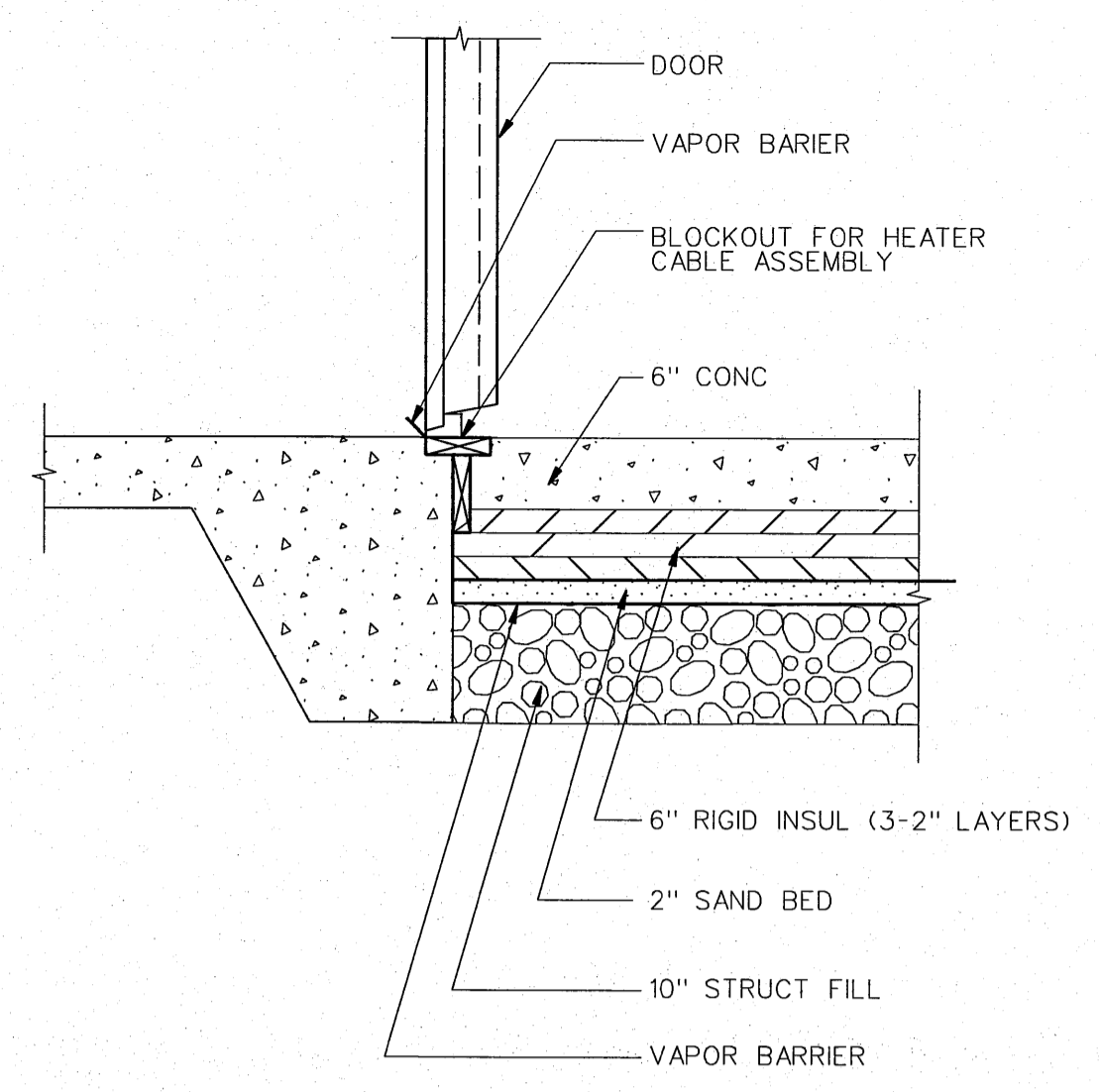
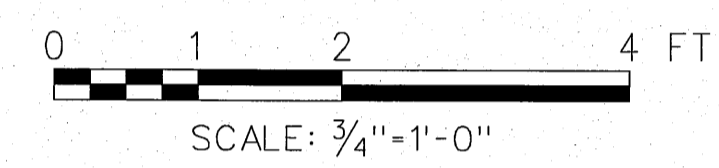
**FREEZER INTERIOR WALL** 1  
A3/A12



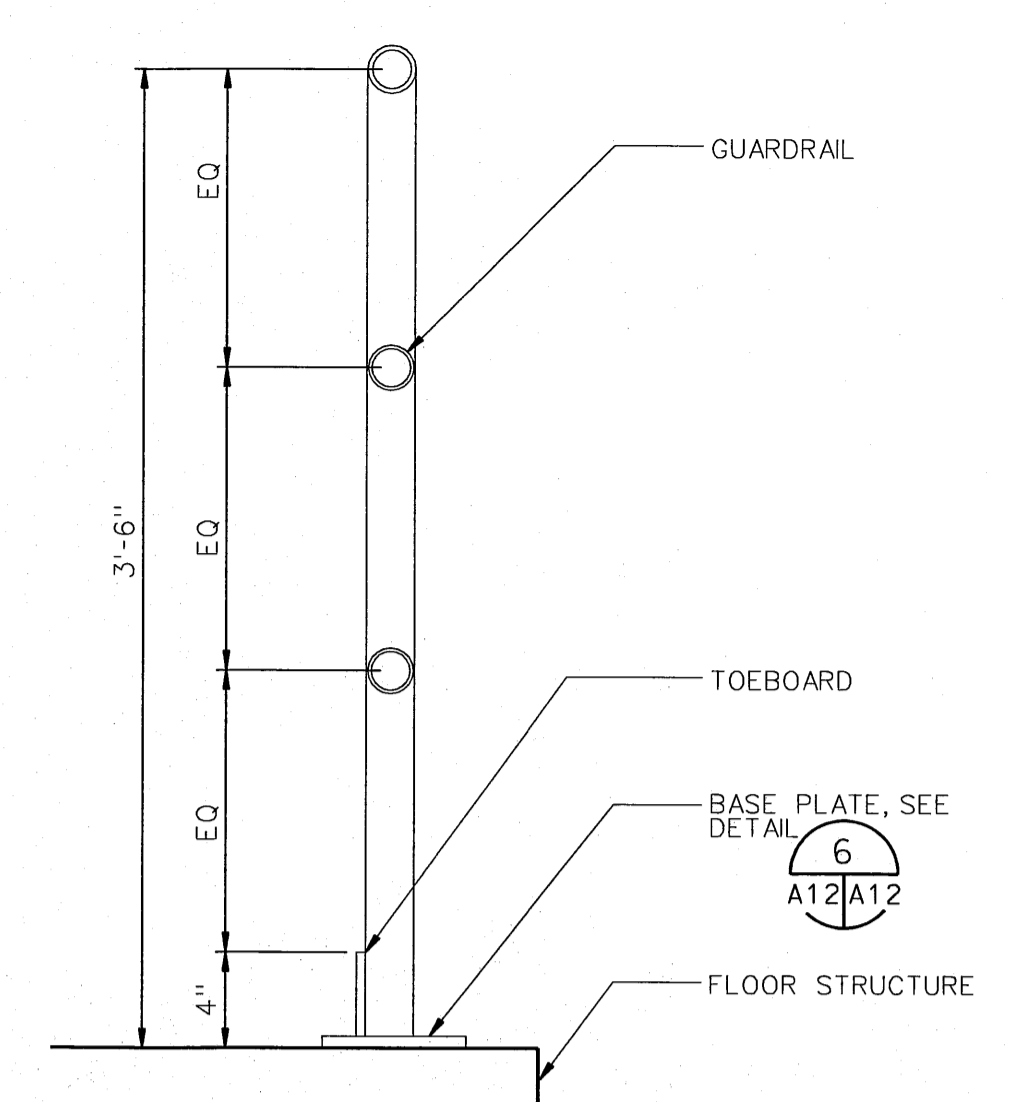
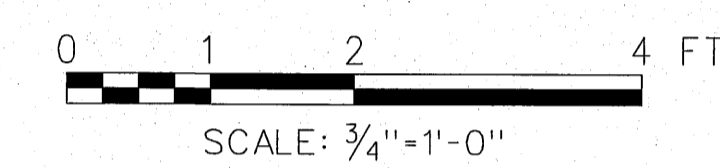
**FREEZER EXTERIOR WALL** 2  
A3/A12



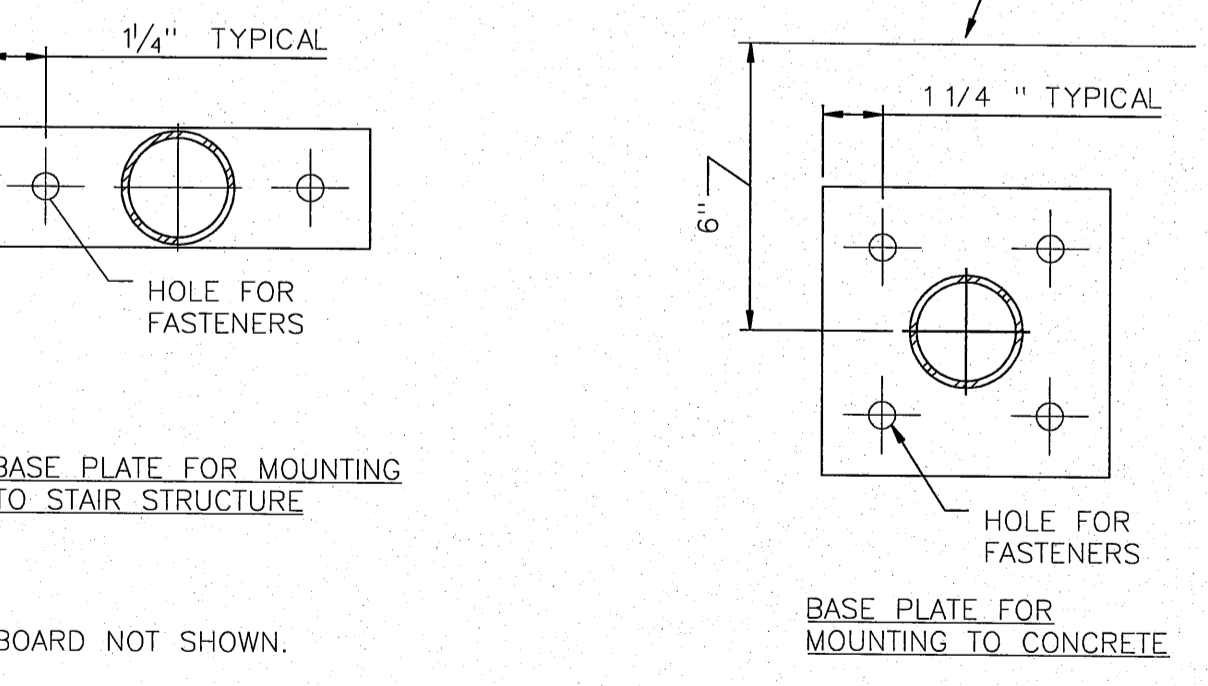
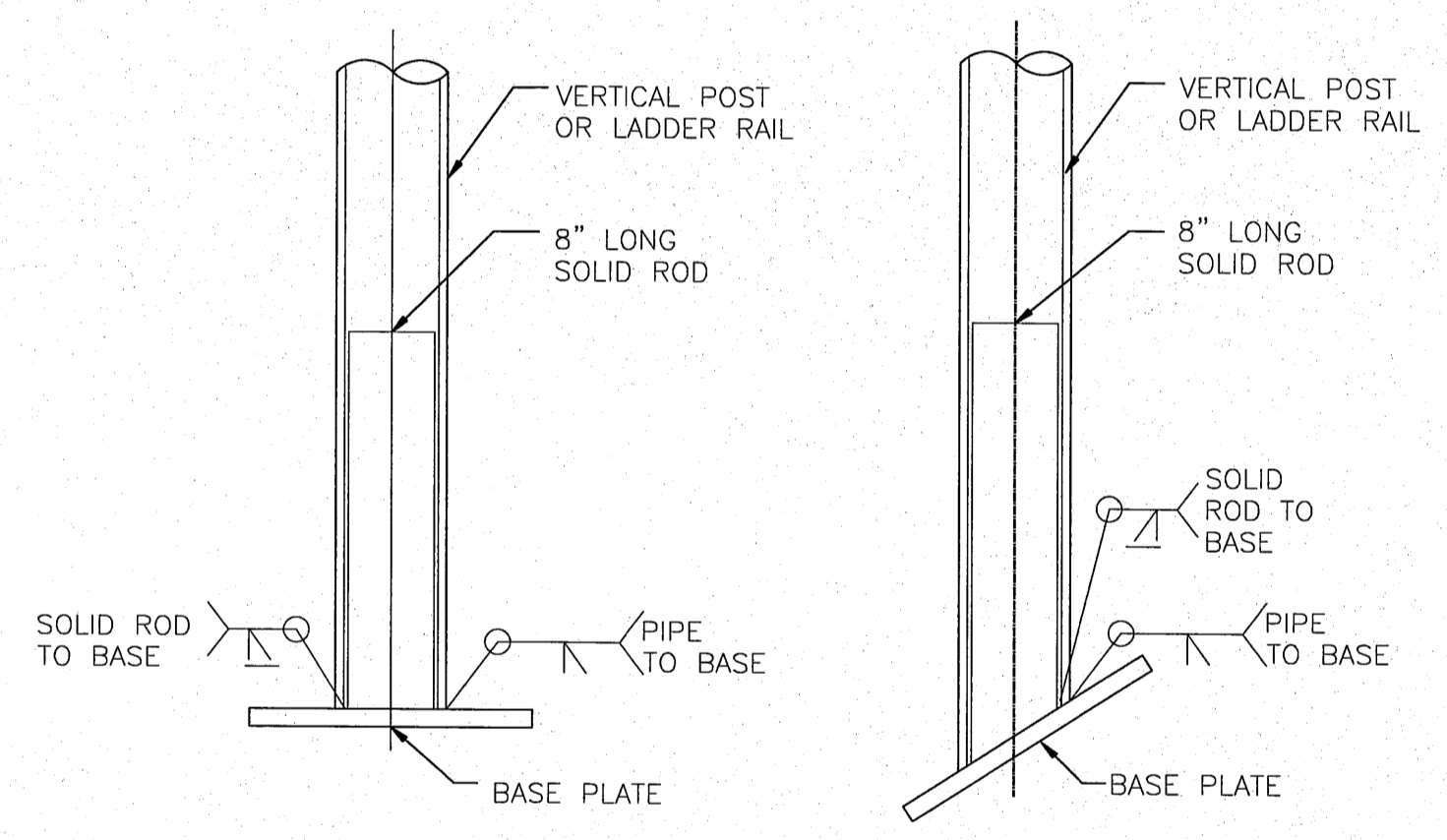
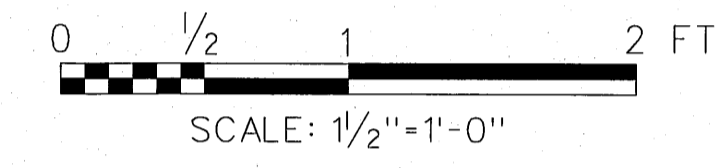
**FREEZER FRONT WALL** 3  
A3/A12



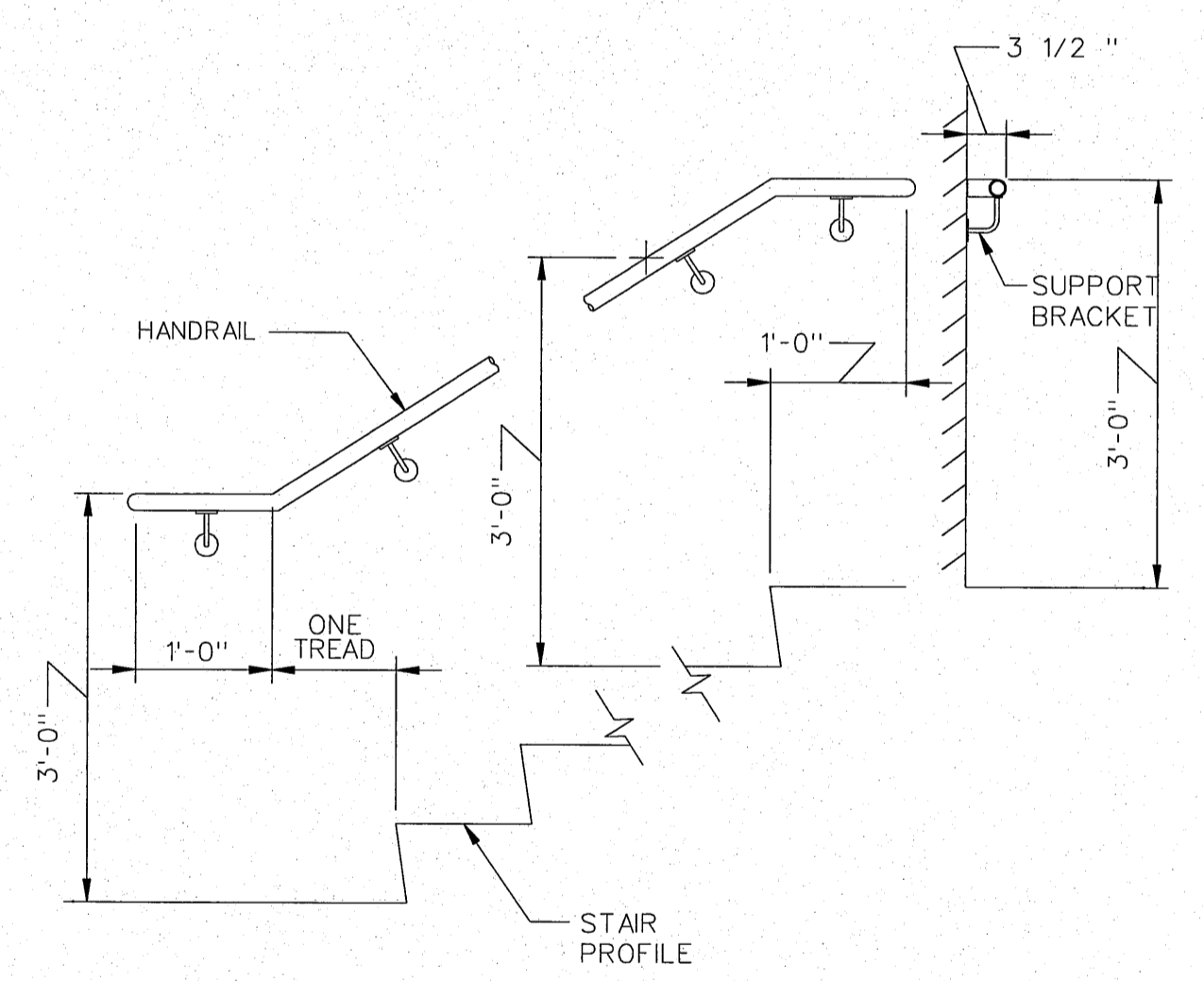
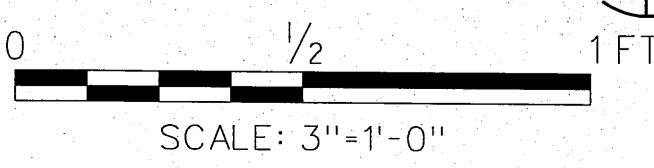
**FREEZER DOOR** 4  
A3/A12



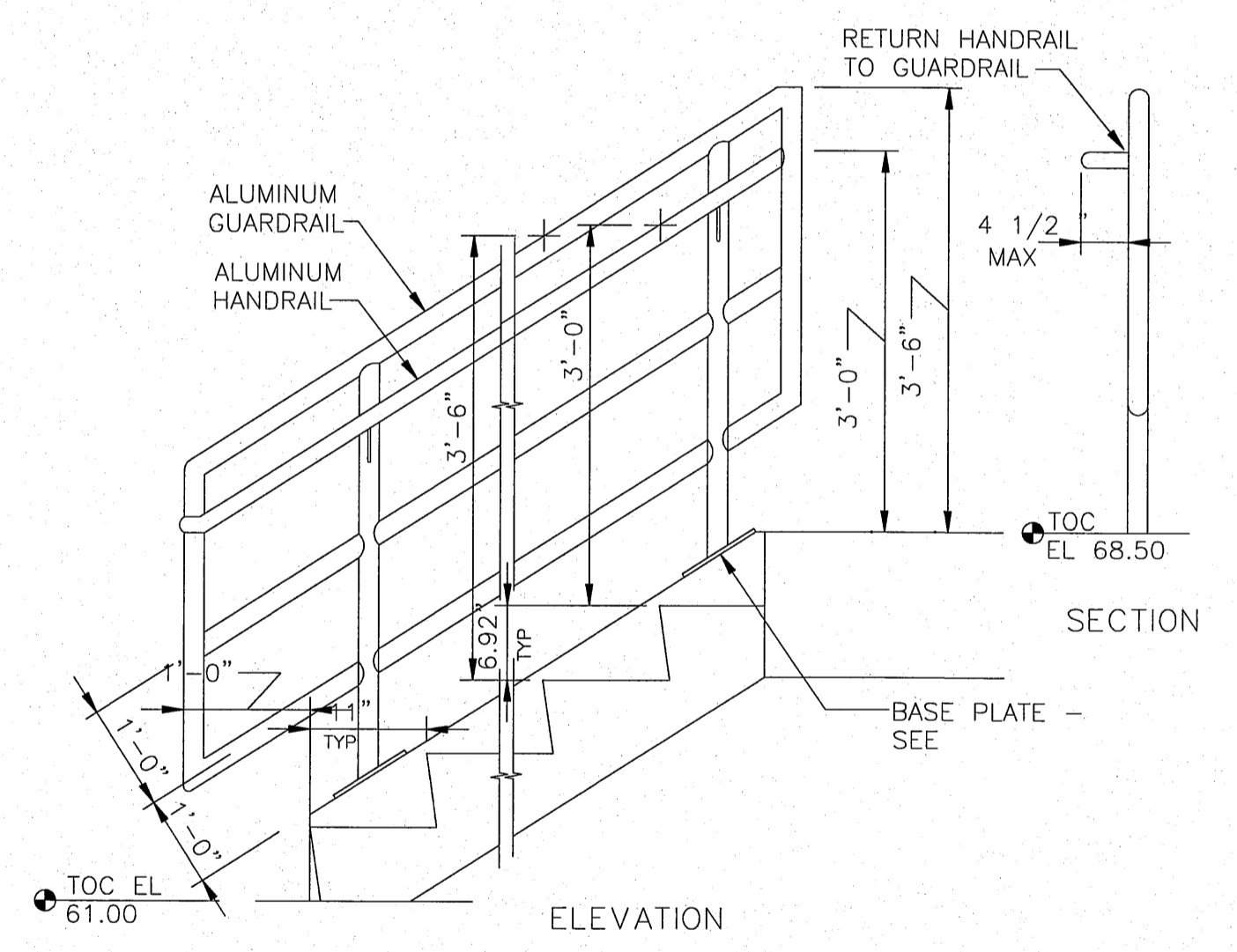
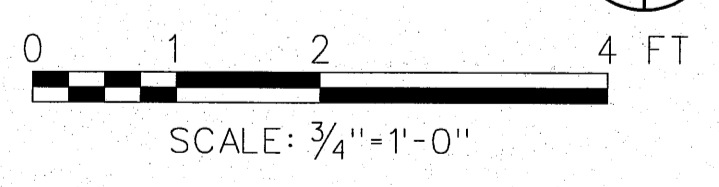
**RAILING SECTION** 5  
A2/A12



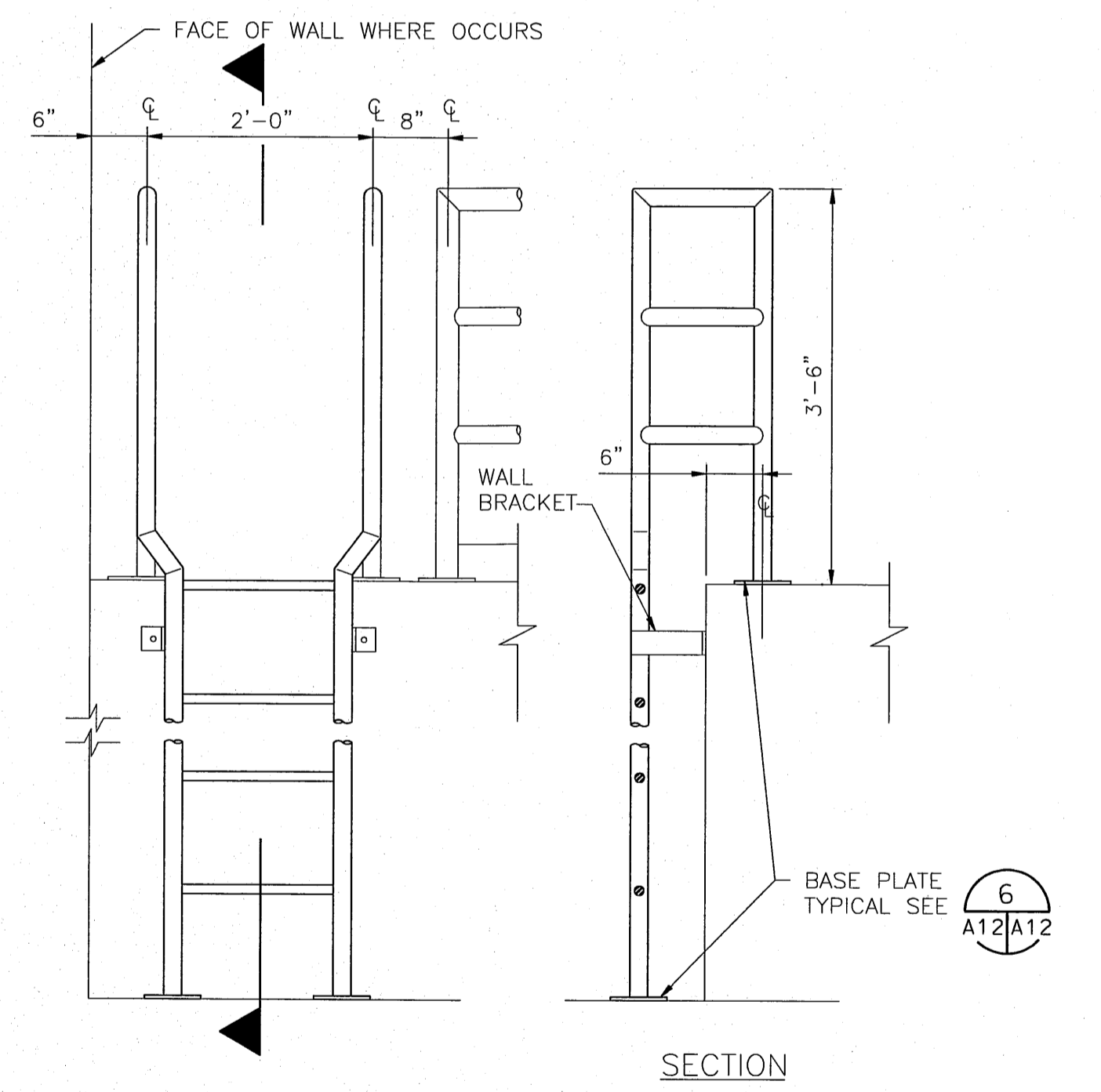
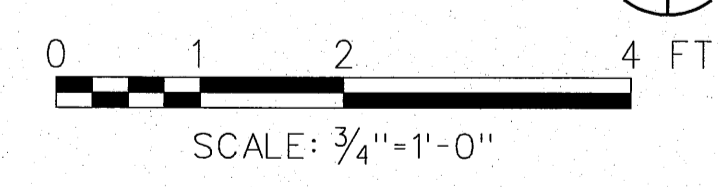
**RAILING POST BASE PLATE DETAILS** 6  
A12/A12



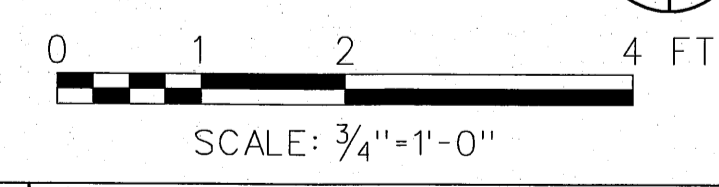
**WALL MOUNTED HANDRAIL** 7  
A2/A12



**STAIR RAILING** 8  
A2/A12



**FLOOR SUPPORTED LADDER** 9  
A14/A12

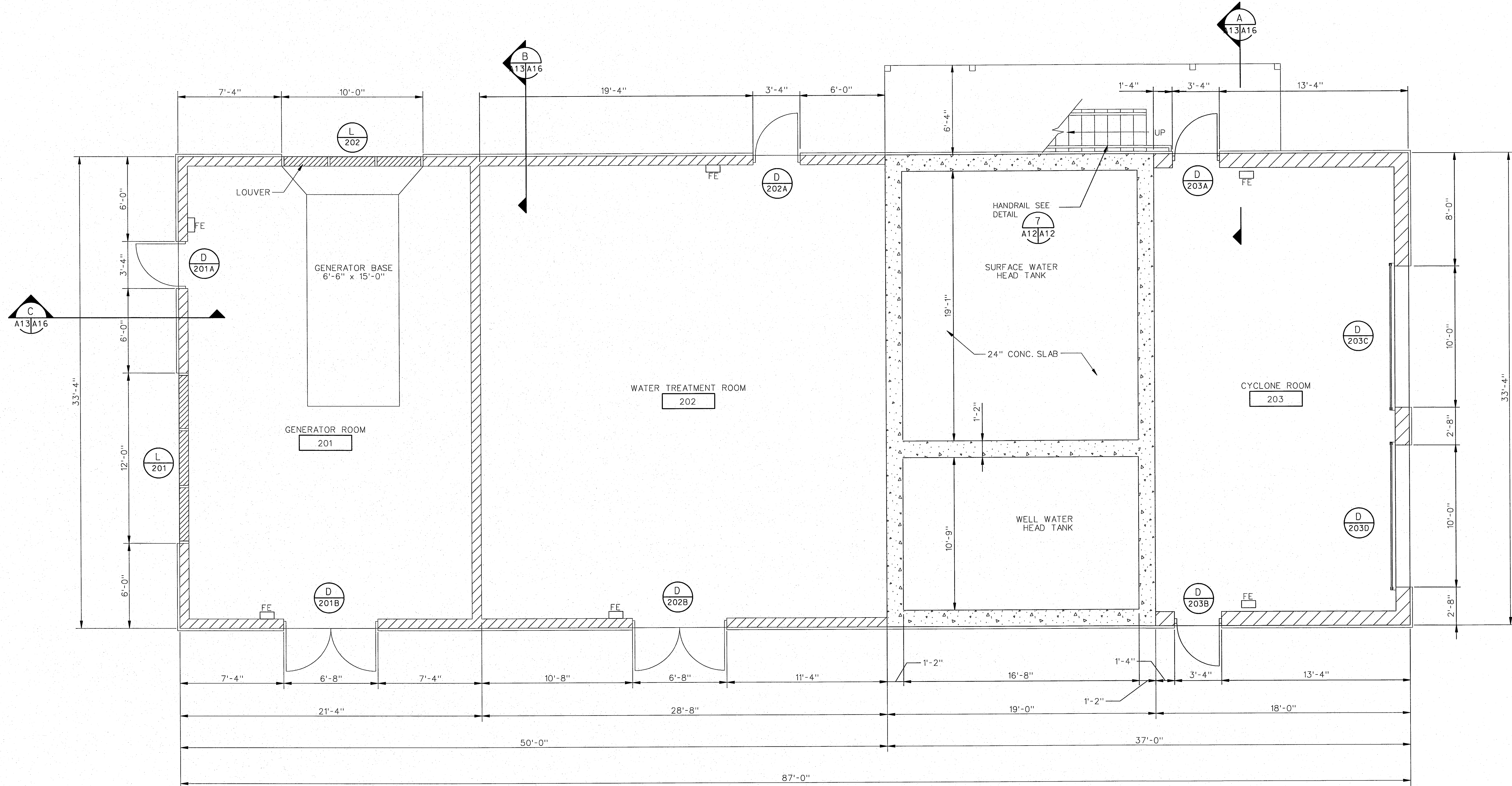


NOTE:  
1. TOEBOARD NOT SHOWN.

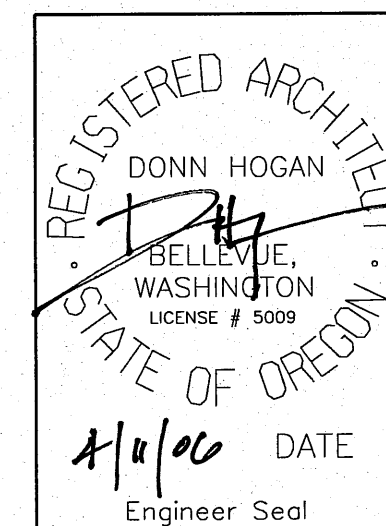
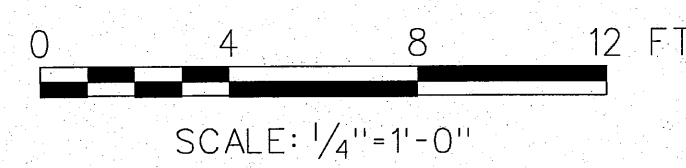
REGISTERED ARCHITECT  
DONN HOGAN  
BELLEVIEW, WASHINGTON  
LICENSE # 5009  
4/10/06 DATE  
Engineer Seal

**HDR | FISHPRO**

NO.	W/O	COMPUTER REVISION ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: A12_NEOH.dgn					
Design	D. HOGAN	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON			
Drawn	A. KOLMIYETS	NORTHEAST OREGON HATCHERY PROGRAM LOSTINE RIVER HATCHERY			
<b>HATCHERY BUILDING DETAILS 3</b>					
Chkd		SERIAL	SOURCE	SHEET NO.	SHEET
Sub				A12	___ OF ___
Rec					REVISION
Appr					
Date					



### FLOOR PLAN



NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT	CONSTR., FA-FORCE	ACCOUNT	CONSTR., R-RECORD	FILE NAME: A13_NEOH.dgn			
Design	D. HOGAN	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON					
Drawn	A. KOLQMIYETS	NORTHEAST OREGON HATCHERY PROGRAM LOSTINE RIVER HATCHERY					
Chkd		UTILITY BUILDING FLOOR PLAN					
Sub							
Rec							
Appr							
Date		SERIAL	SOURCE	SHEET NO. A13	SHEET	REVISION	

GENERATOR EXHAUST STACK

2  
A14A17

3  
A14A17

7  
A14A17

8  
A2A12  
STEEL STAIR  
SEE DETAIL

A  
14A17

L  
208

D  
203E

L  
209

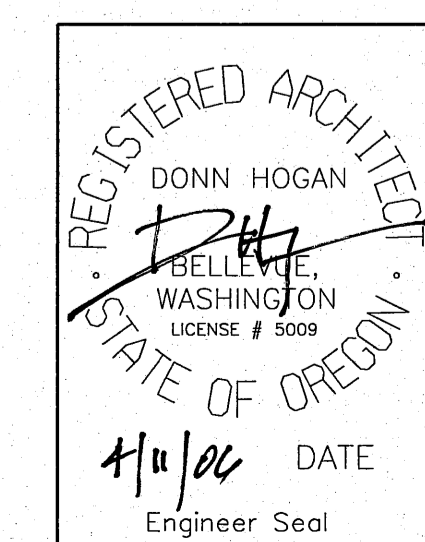
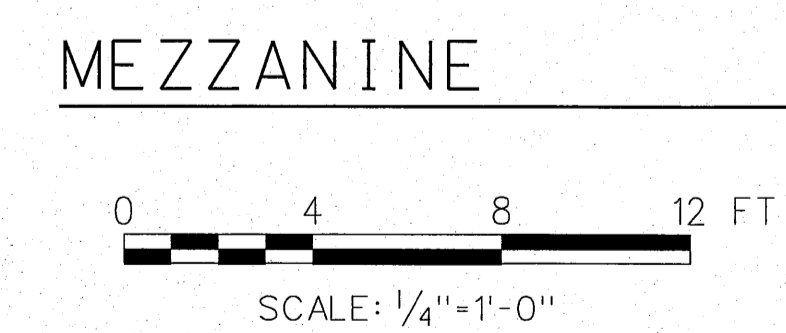
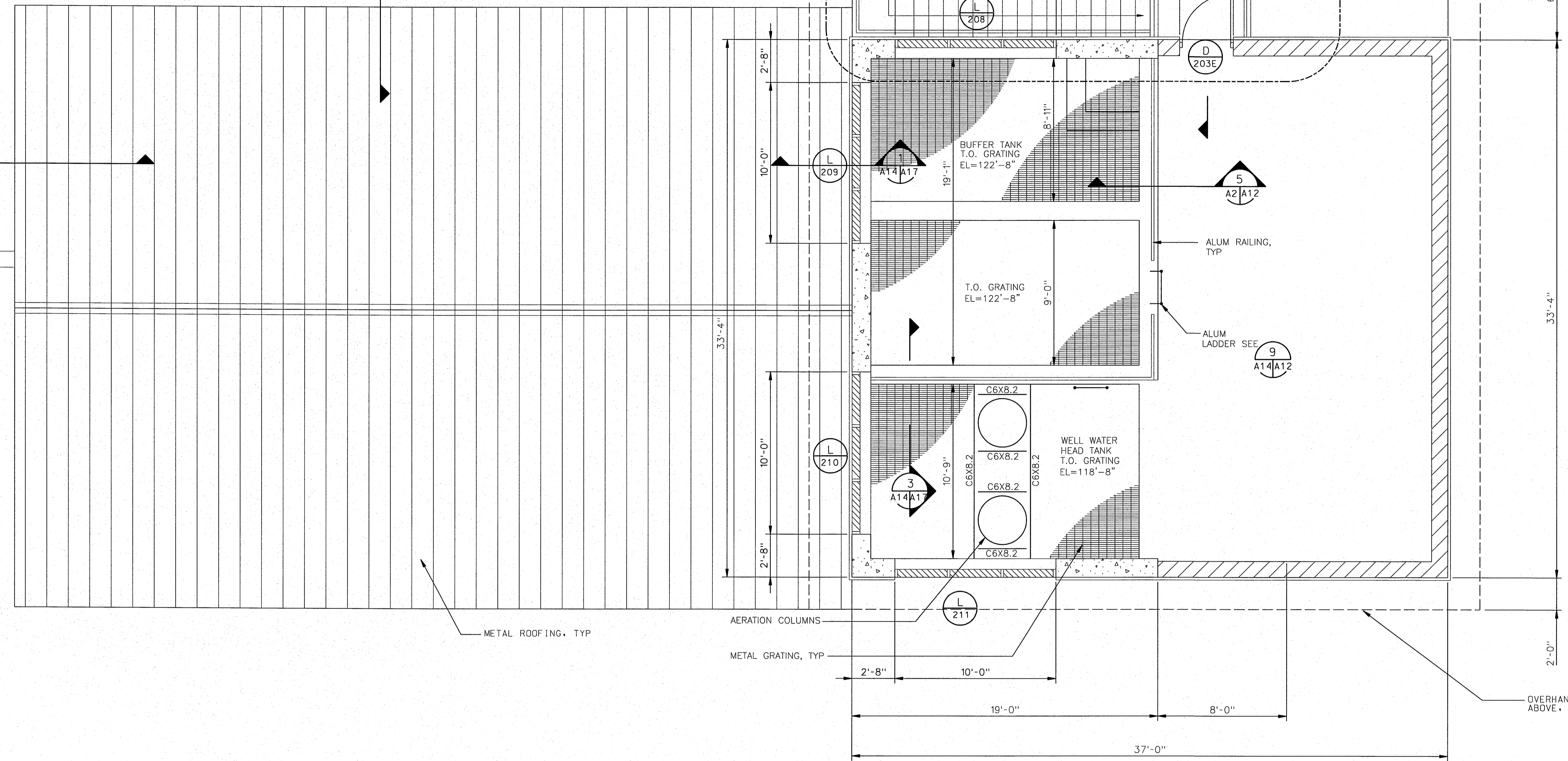
5  
A2A12

9  
A14A12

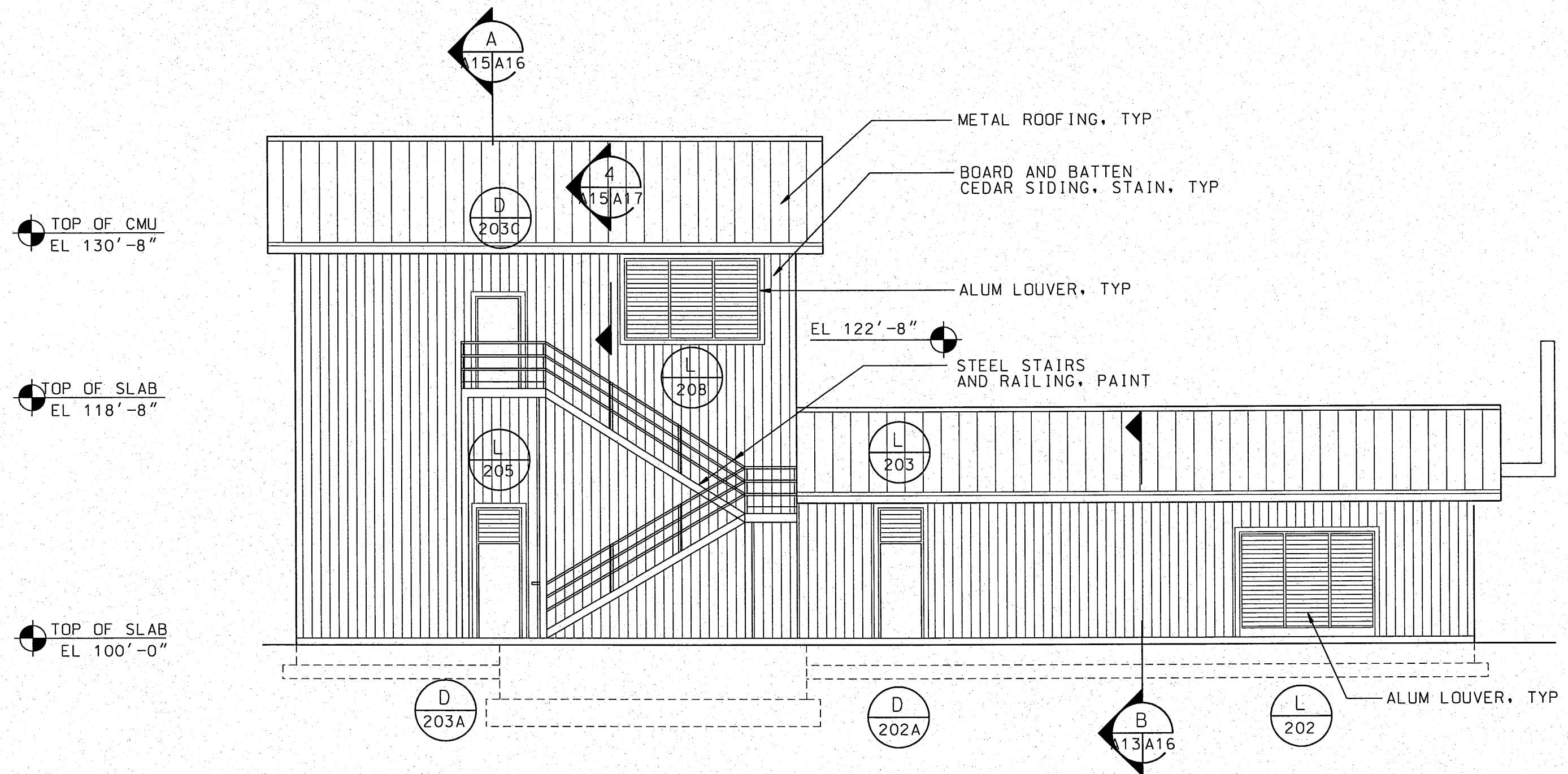
L  
210

3  
A14A17

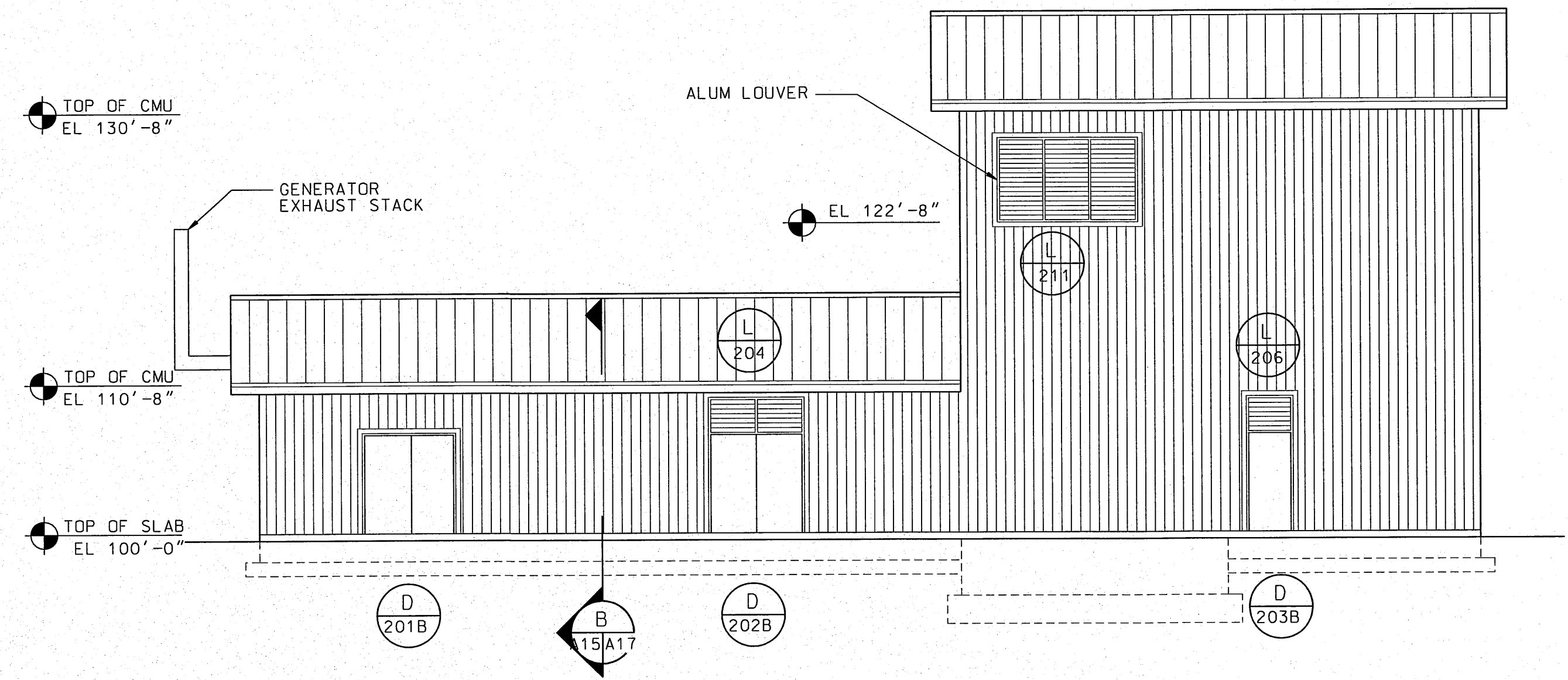
L  
211



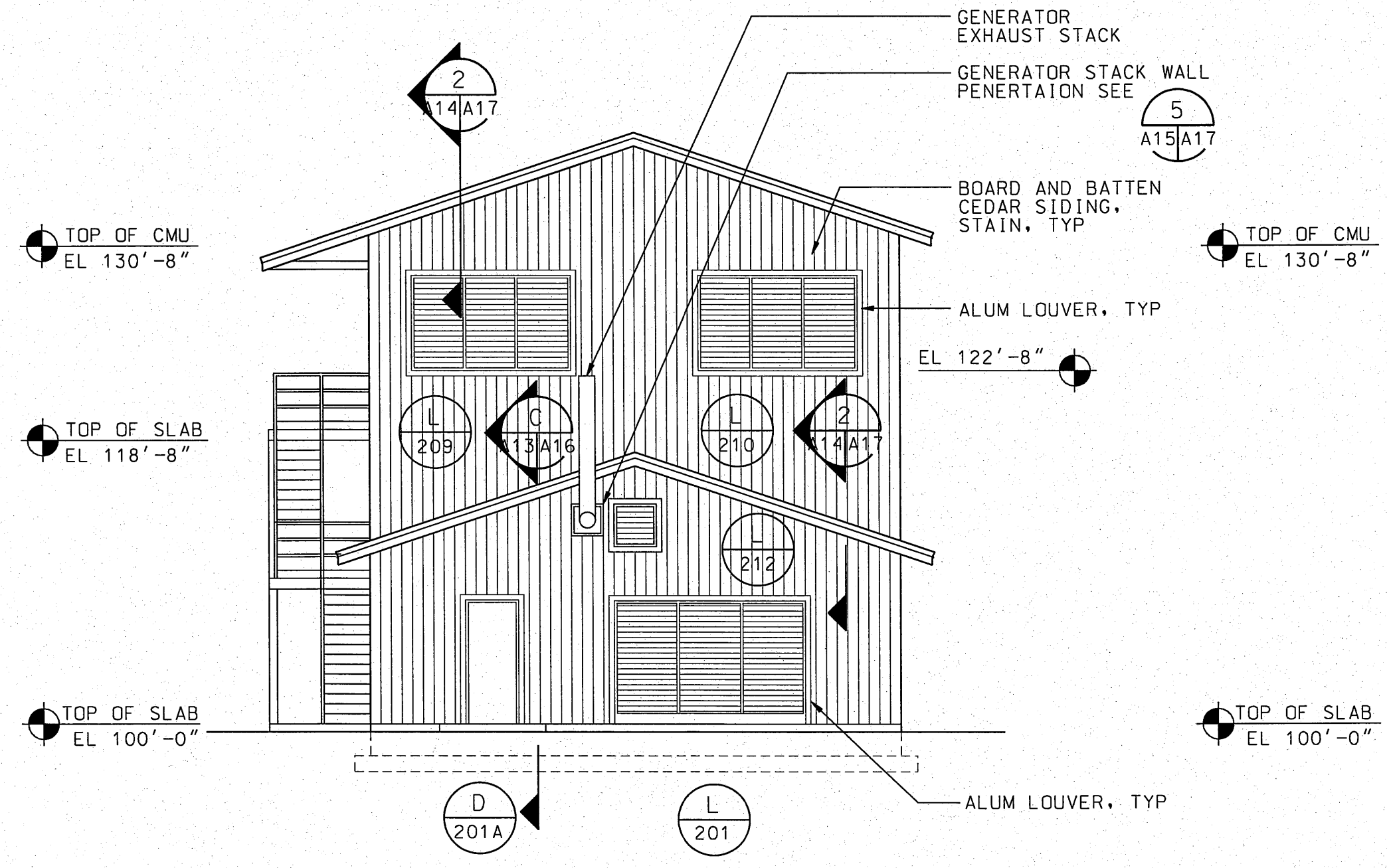
NO.	W/O	COMPUTER REVISION ONLY	BY	DATE	APPROVED
C-CONTRACT	CONSTR., FA-FORCE	ACCOUNT CONSTR., R-RECORD	FILE NAME: A14_NE0H.dgn		
Design	D. HOGAN	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON			
Drawn	A. KLOMIYETS	NORTHEAST OREGON HATCHERY PROGRAM LOSTINE RIVER HATCHERY			
Chkd		UTILITY BUILDING MEZZANINE PLAN			
Sub		SERIAL	SOURCE	SHEET NO.	SHEET
Rec				A14	06
Appr					
Date					



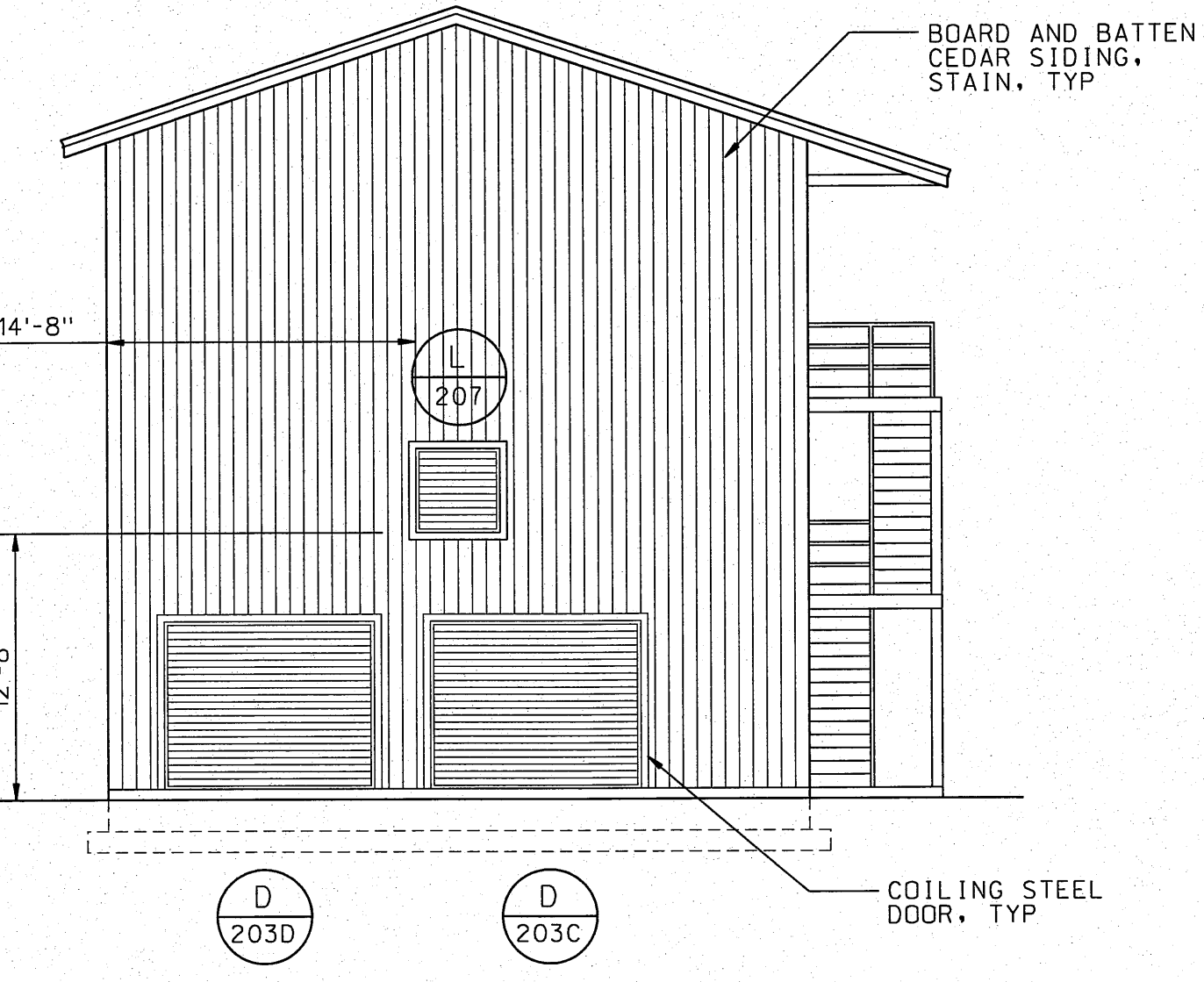
**NORTH ELEVATION**  
 0 4 8 12 16 20 24 FT  
 SCALE: 1/8"=1'-0"



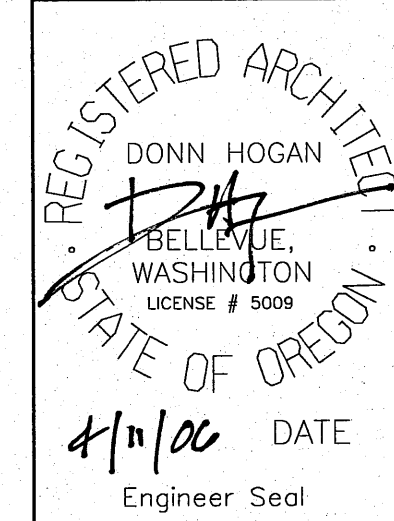
**SOUTH ELEVATION**  
 0 4 8 12 16 20 24 FT  
 SCALE: 1/8"=1'-0"



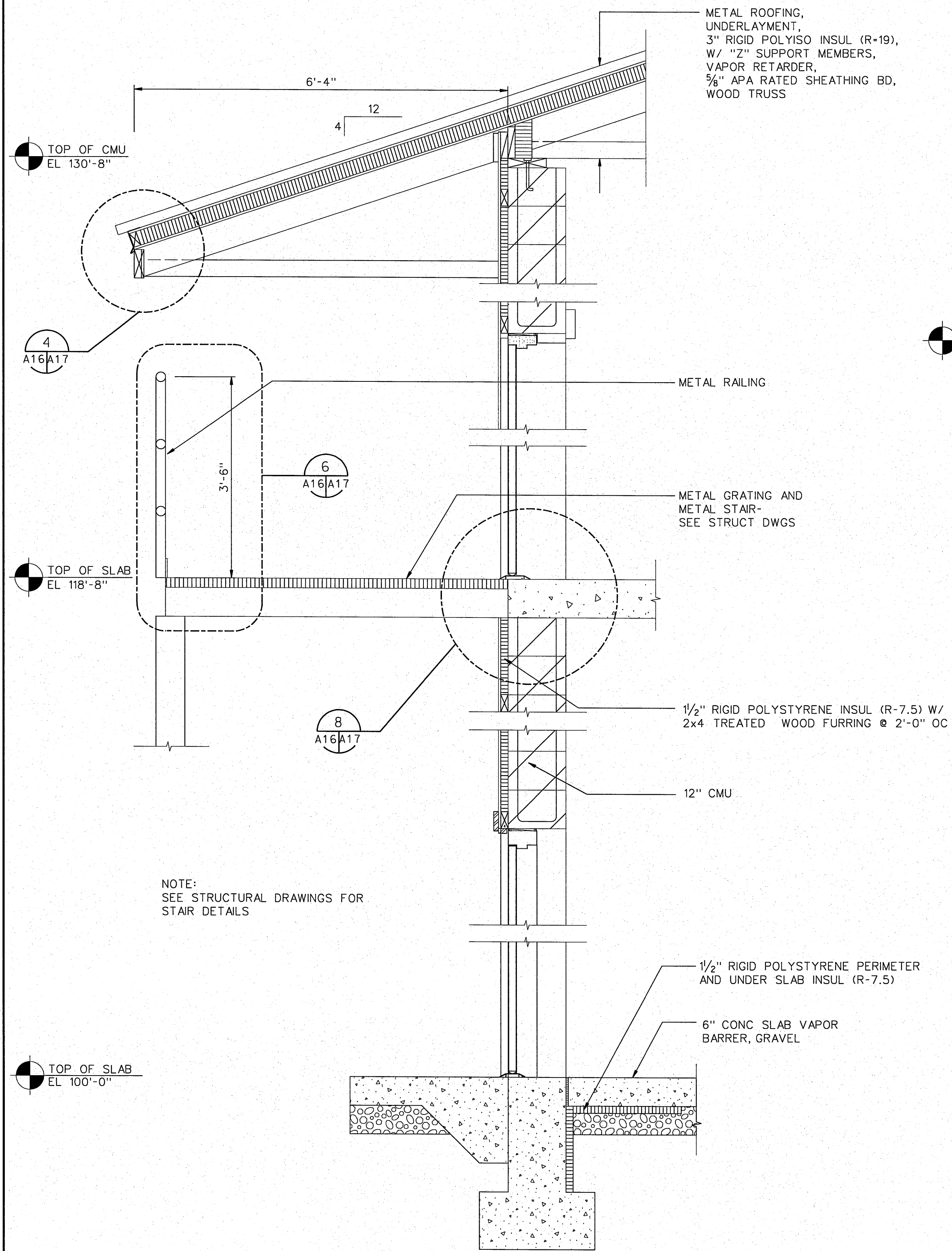
**WEST ELEVATION**  
 0 4 8 12 16 20 24 FT  
 SCALE: 1/8"=1'-0"



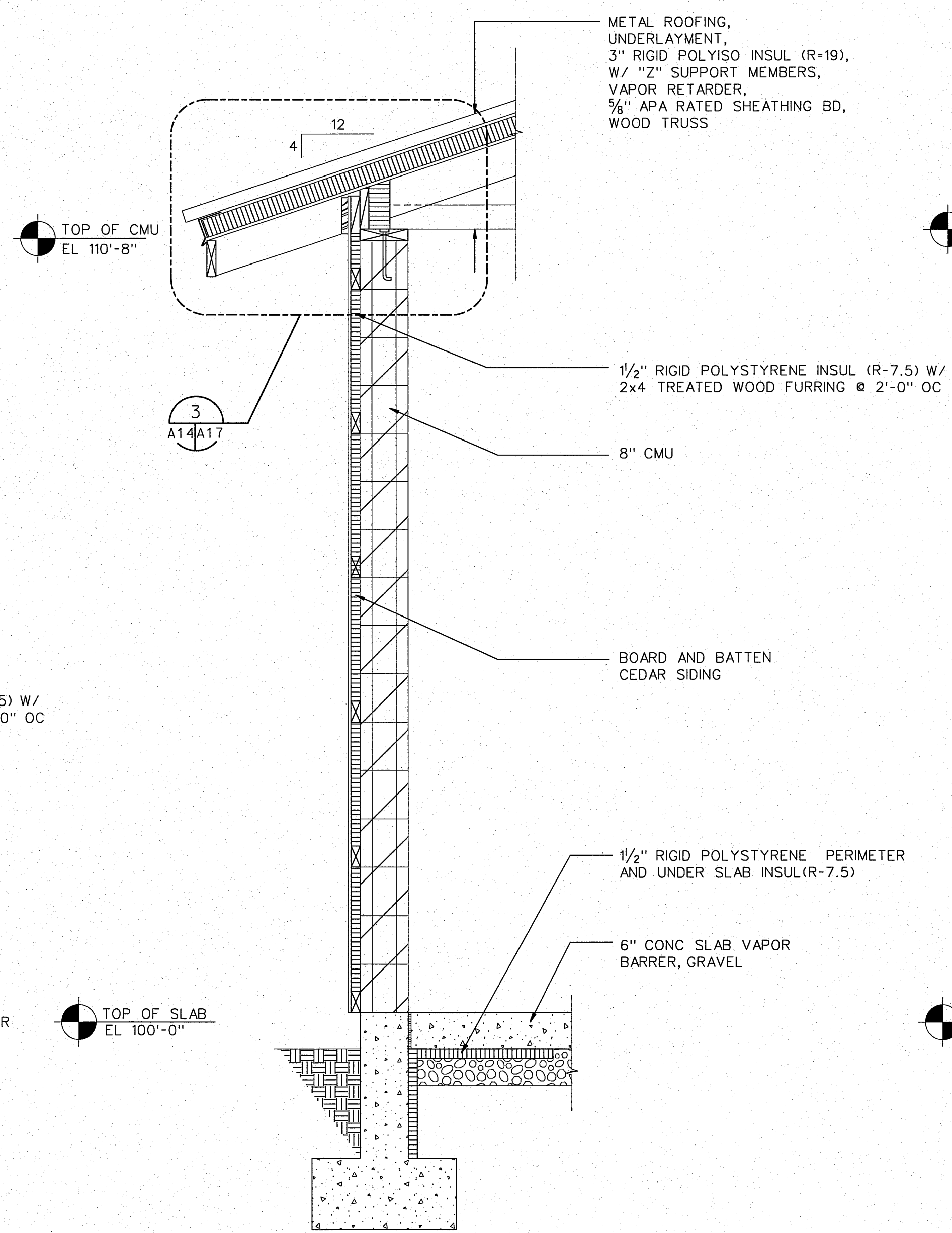
**EAST ELEVATION**  
 0 4 8 12 16 20 24 FT  
 SCALE: 1/8"=1'-0"



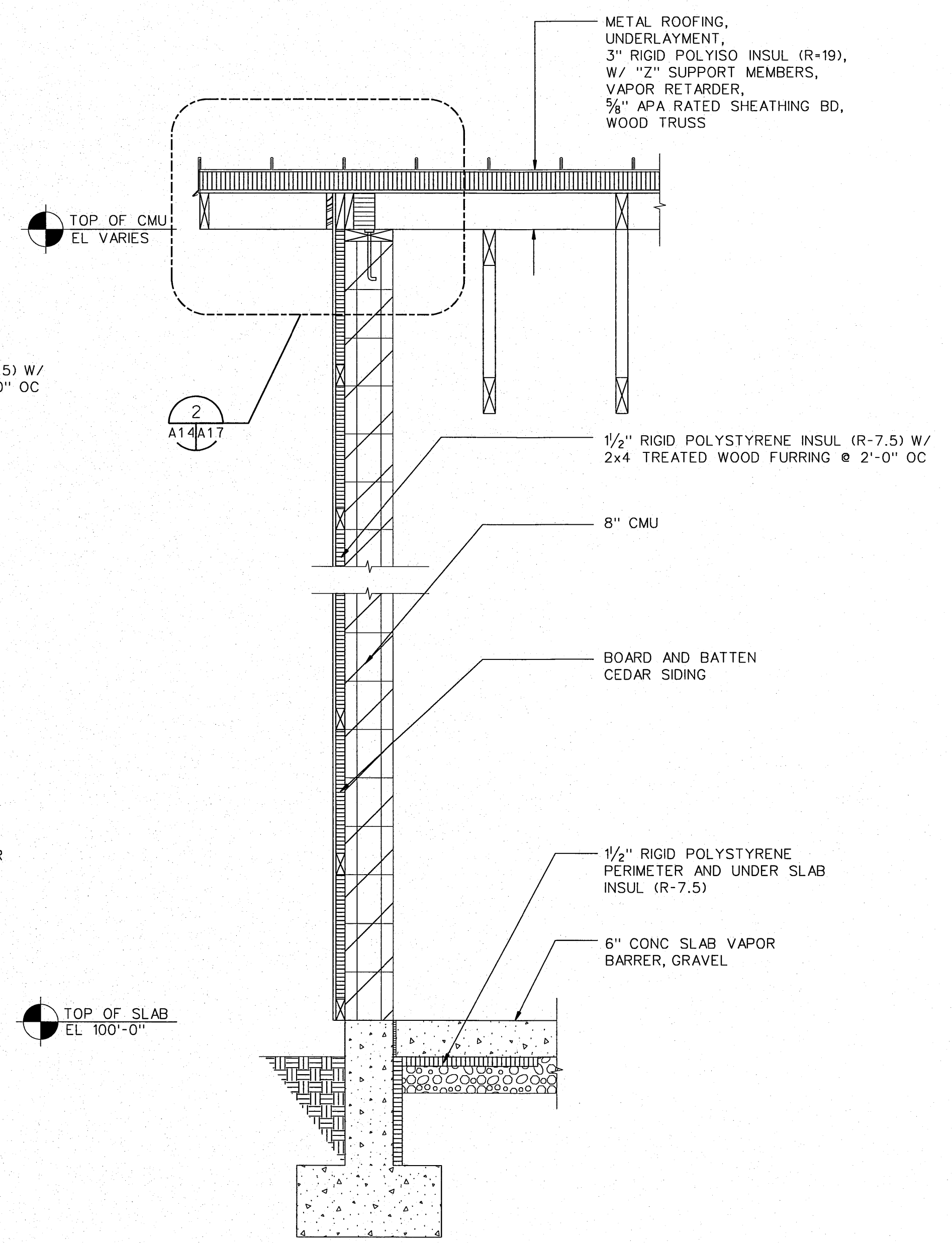
NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: A15-NEOH.dgn							
Design	D. HOGAN		UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON				
Drawn	A. KOLOMIYETS		NORTHEAST OREGON HATCHERY PROGRAM LOSTINE RIVER HATCHERY				
Chkd			UTILITY BUILDING ELEVATIONS				
Sub							
Rec							
Rec							
Appr			SERIAL	SOURCE	SHEET NO.	SHEET	REVISION
Date					A15	OF	



WALL SECTION A  
A13/A16  
0 1 2 4 FT  
SCALE: 3/4"=1'-0"



WALL SECTION B  
A13/A16  
0 1 2 4 FT  
SCALE: 3/4"=1'-0"

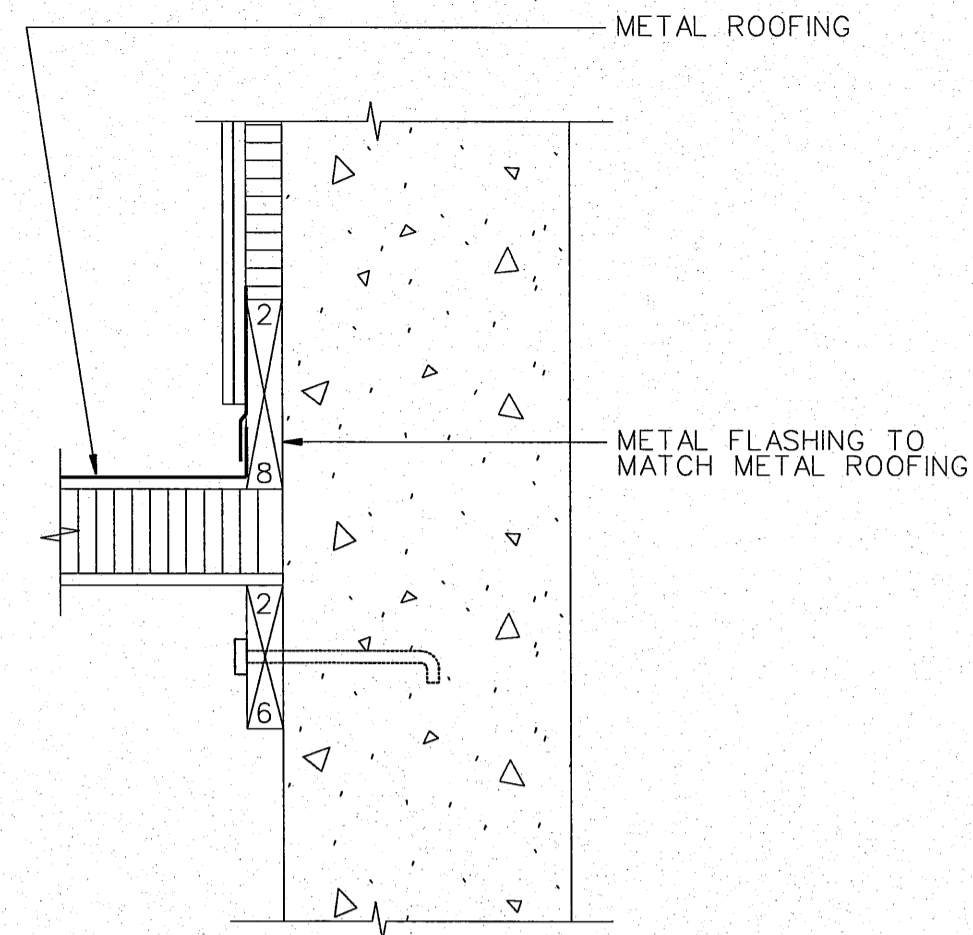


WALL SECTION C  
A13/A16  
0 1 2 4 FT  
SCALE: 3/4"=1'-0"

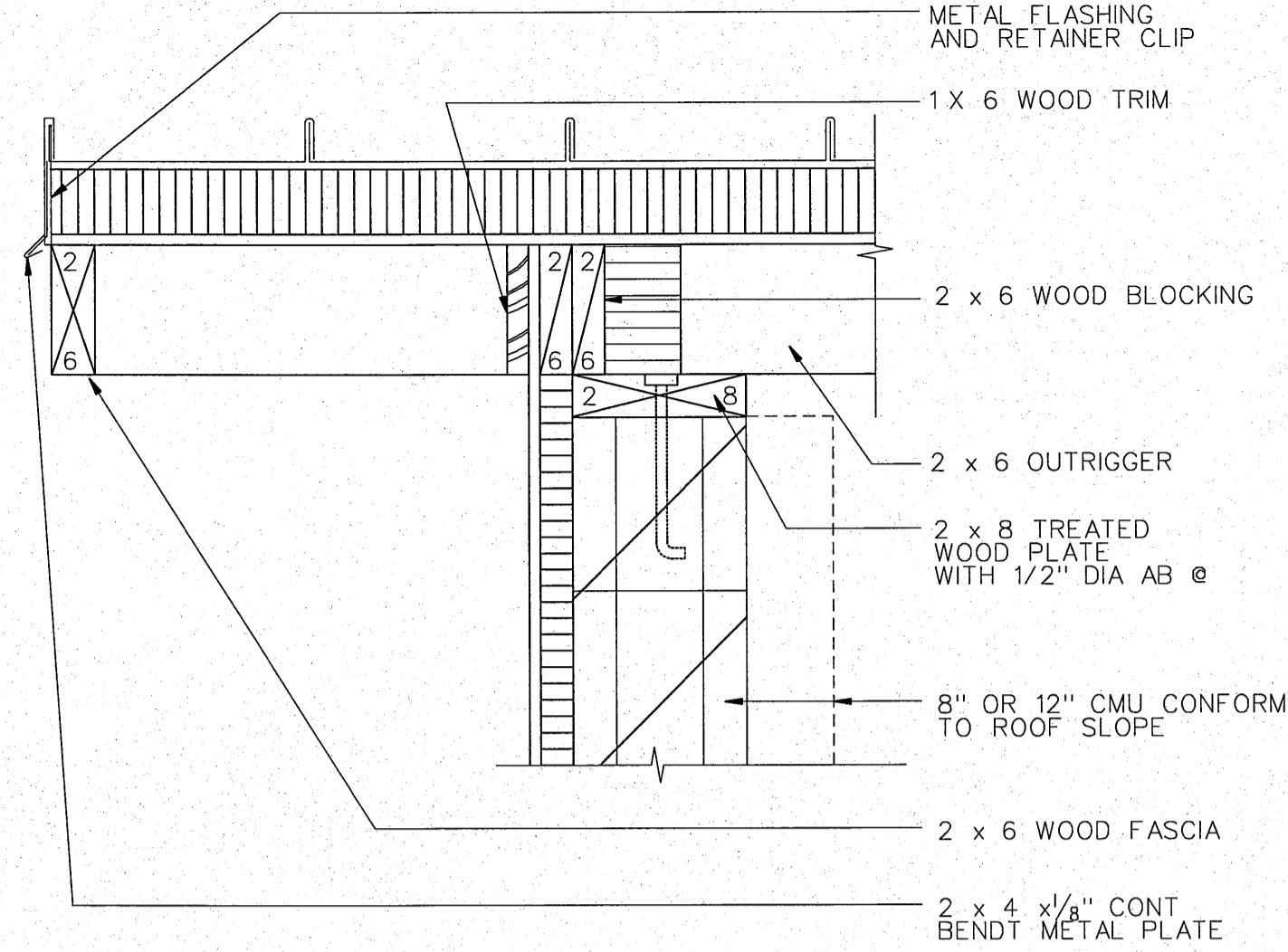
REGISTERED ARCHITECT  
DONN HOGAN  
BELLEVUE, WASHINGTON  
LICENSE # 5009  
11/06 DATE  
Engineer Seal

**HDR | FISHPRO**

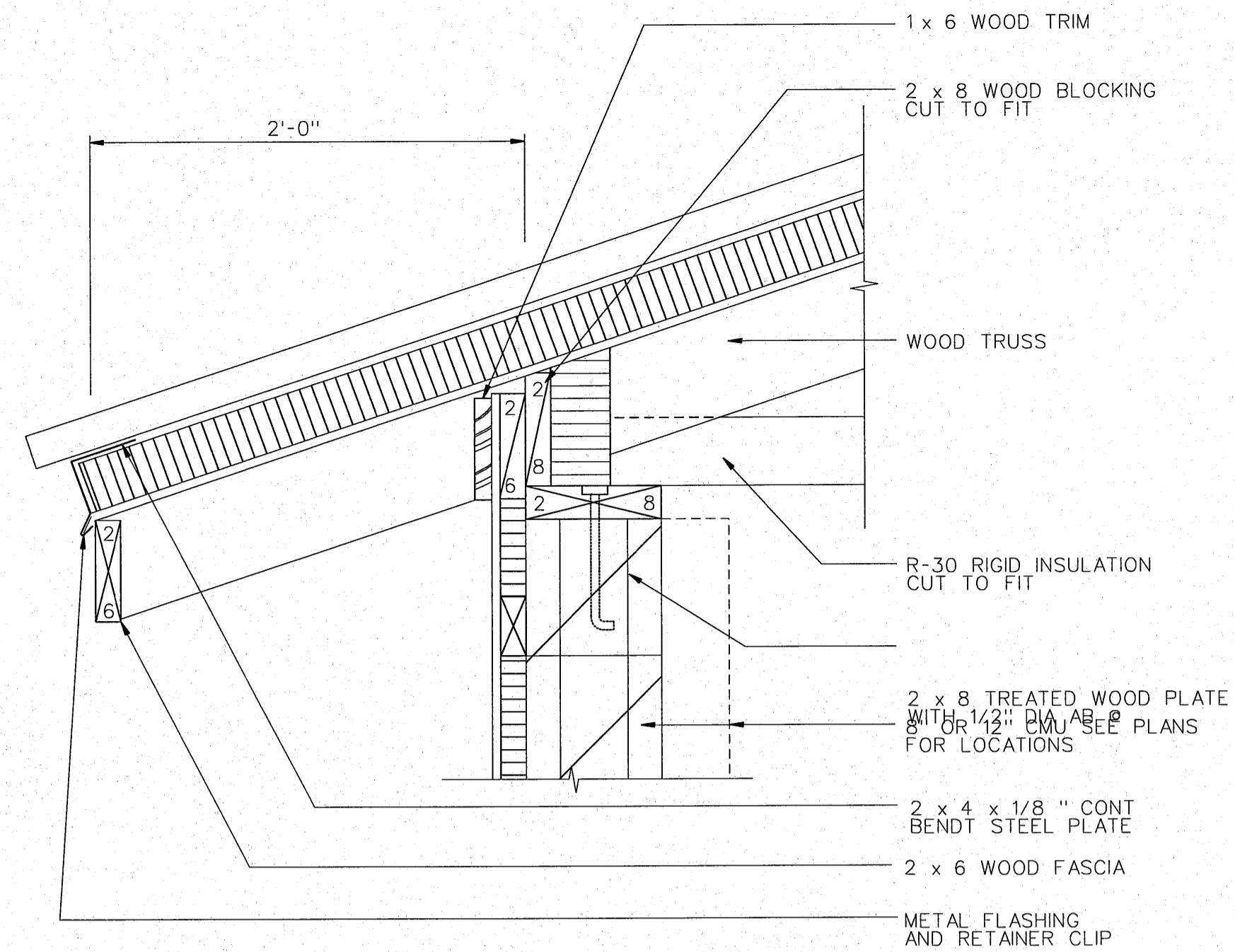
NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: A16_NEOH.dgn							
Design	D. HOGAN	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON					
Drawn	A. KOLOMIYETS	NORTHEAST OREGON HATCHERY PROGRAM LOSTINE RIVER HATCHERY					
Chkd		UTILITY BUILDING WALL SECTIONS					
Sub							
Rec							
Appr							
Date		SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
				A16	OF		



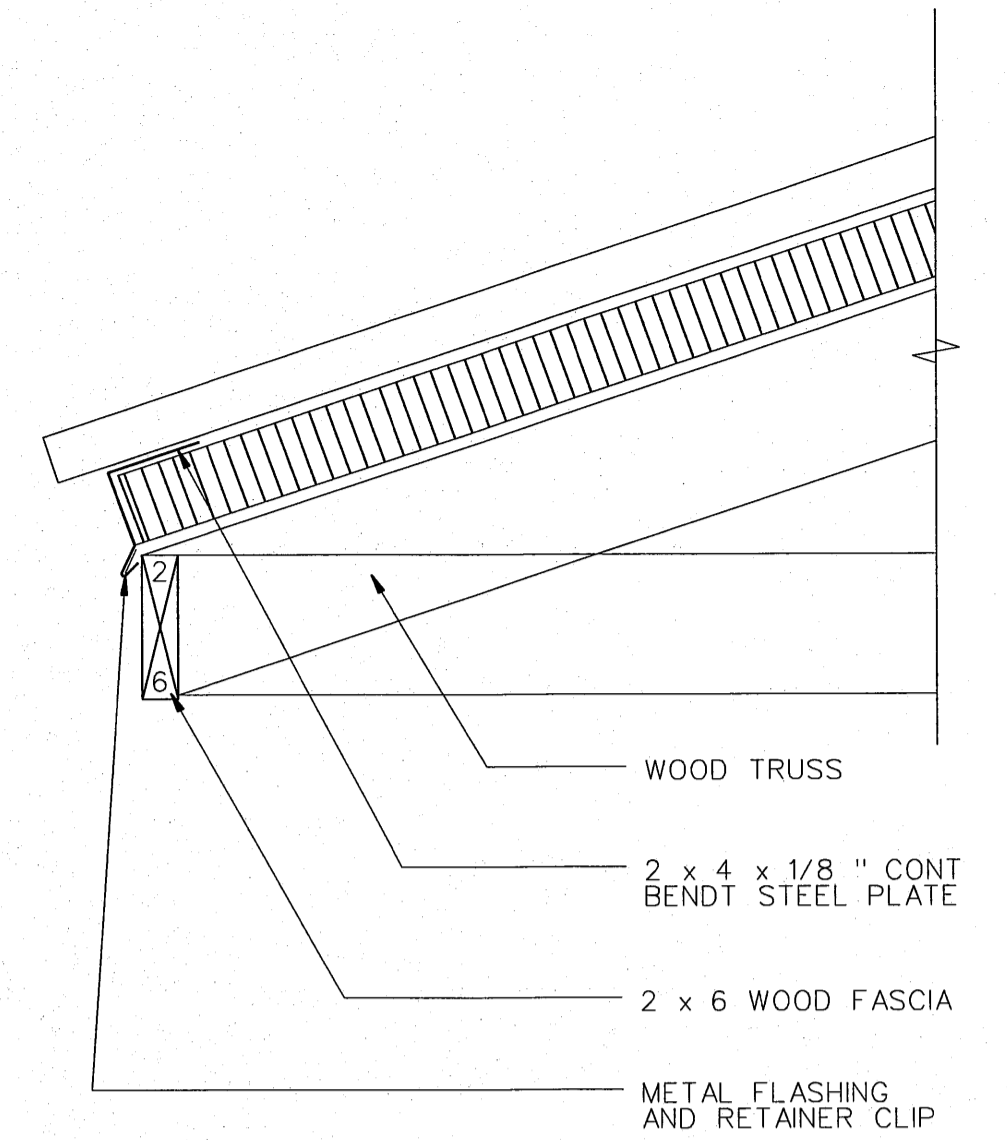
RAKE 1  
A14|A17  
0 1/2 1 2 FT  
SCALE: 1/2"=1'-0"



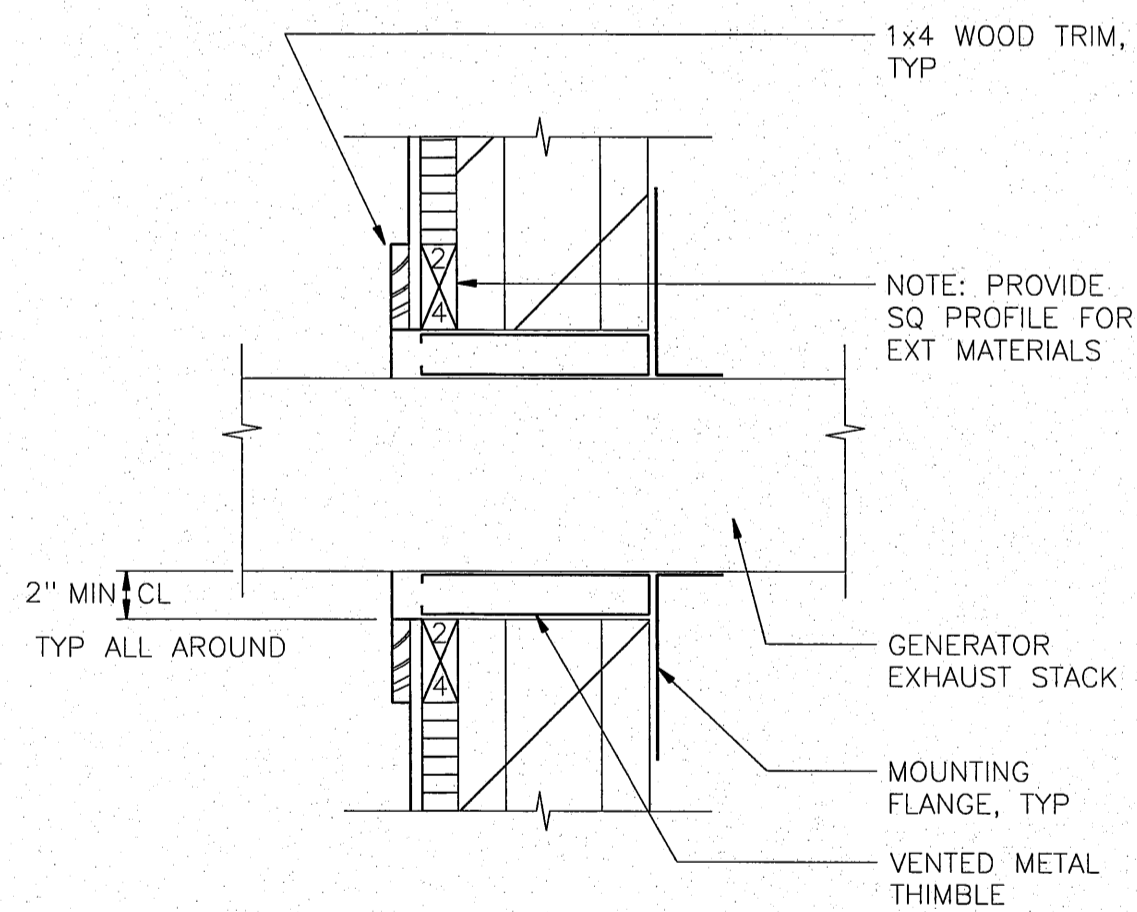
OVERHANG 2  
A14|A17  
0 1/2 1 2 FT  
SCALE: 1/2"=1'-0"



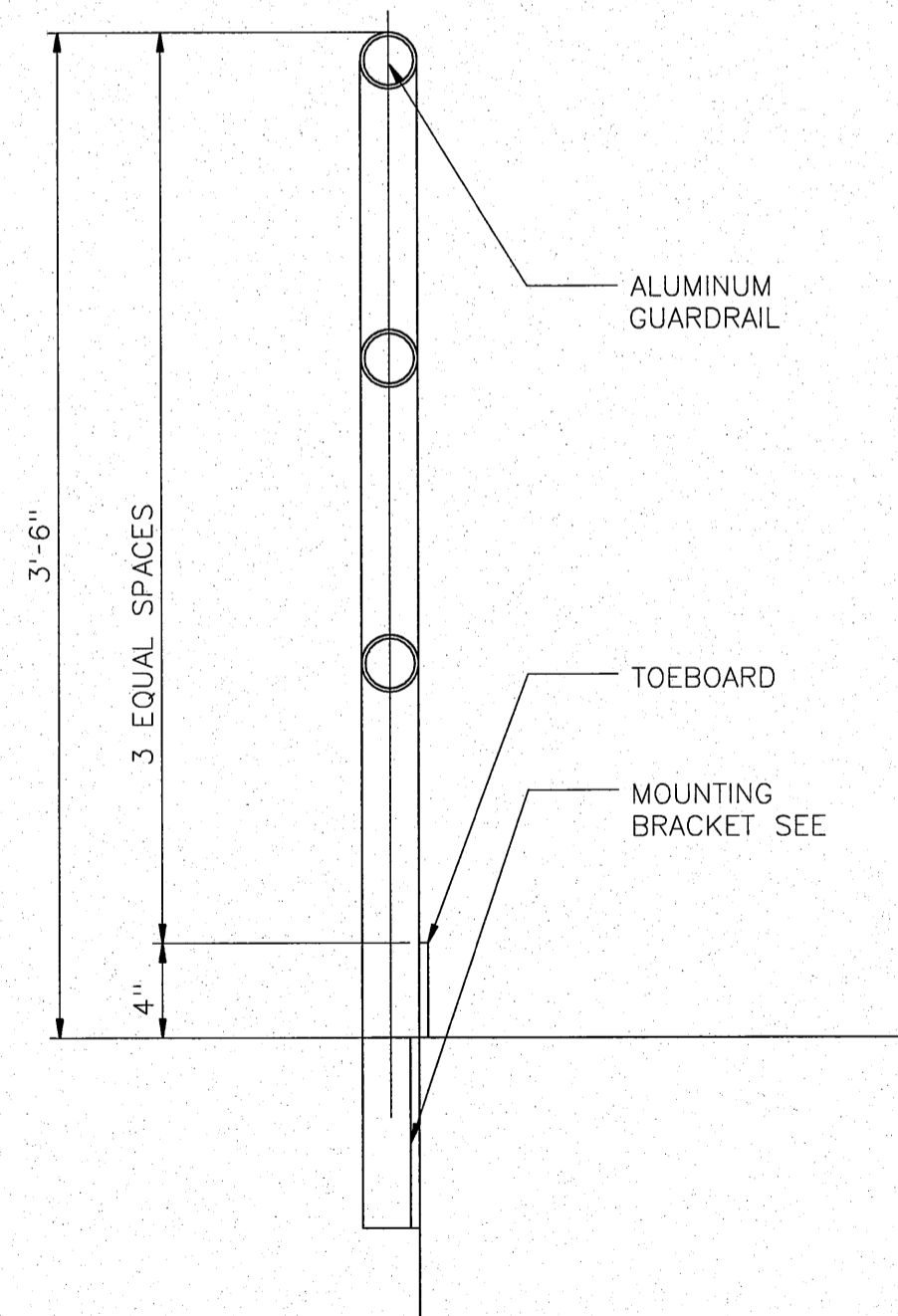
OVERHANG 3  
A14|A17  
0 1/2 1 2 FT  
SCALE: 1/2"=1'-0"



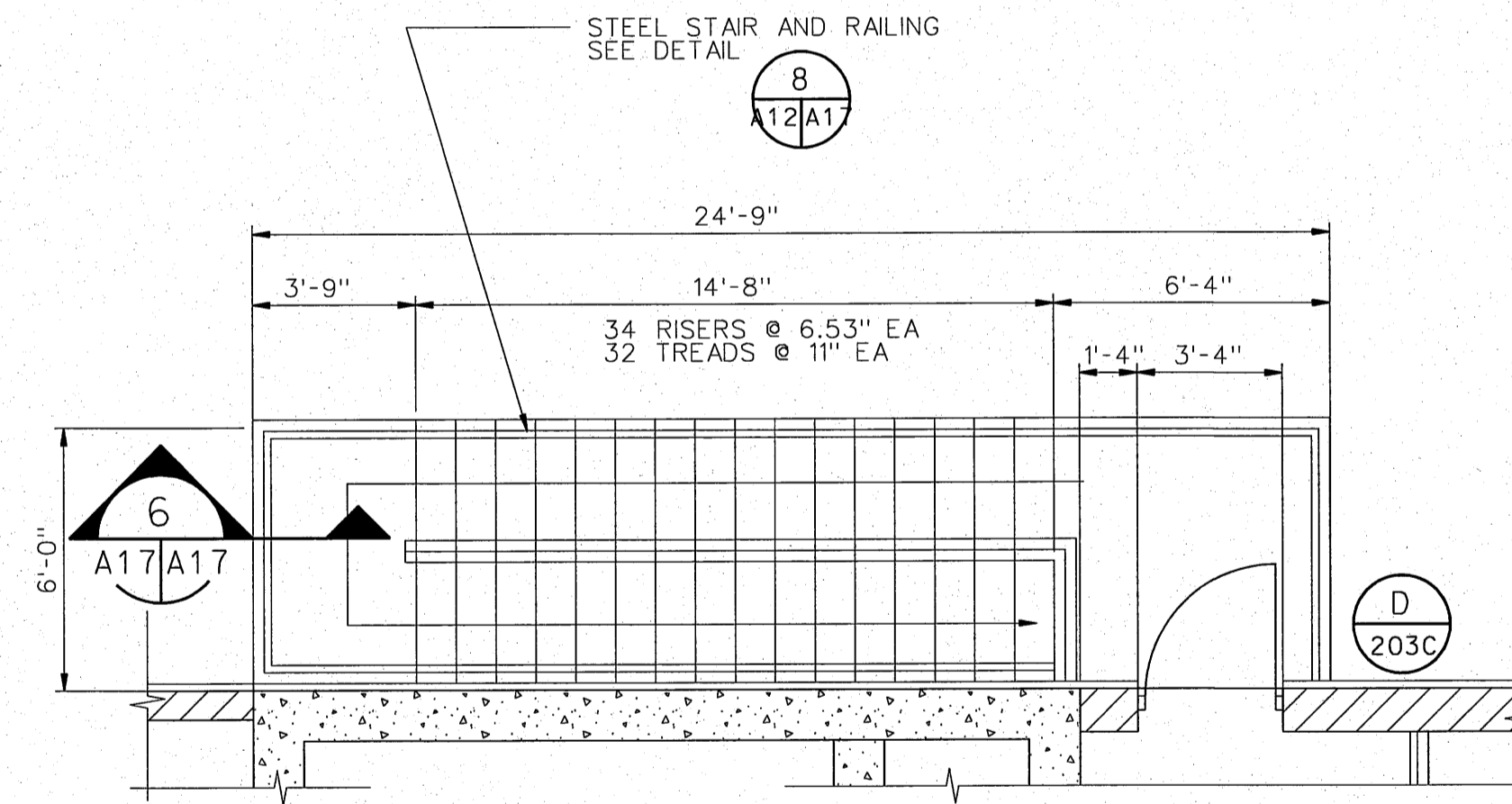
OVERHANG 4  
A1|A17  
0 1/2 1 2 FT  
SCALE: 1/2"=1'-0"



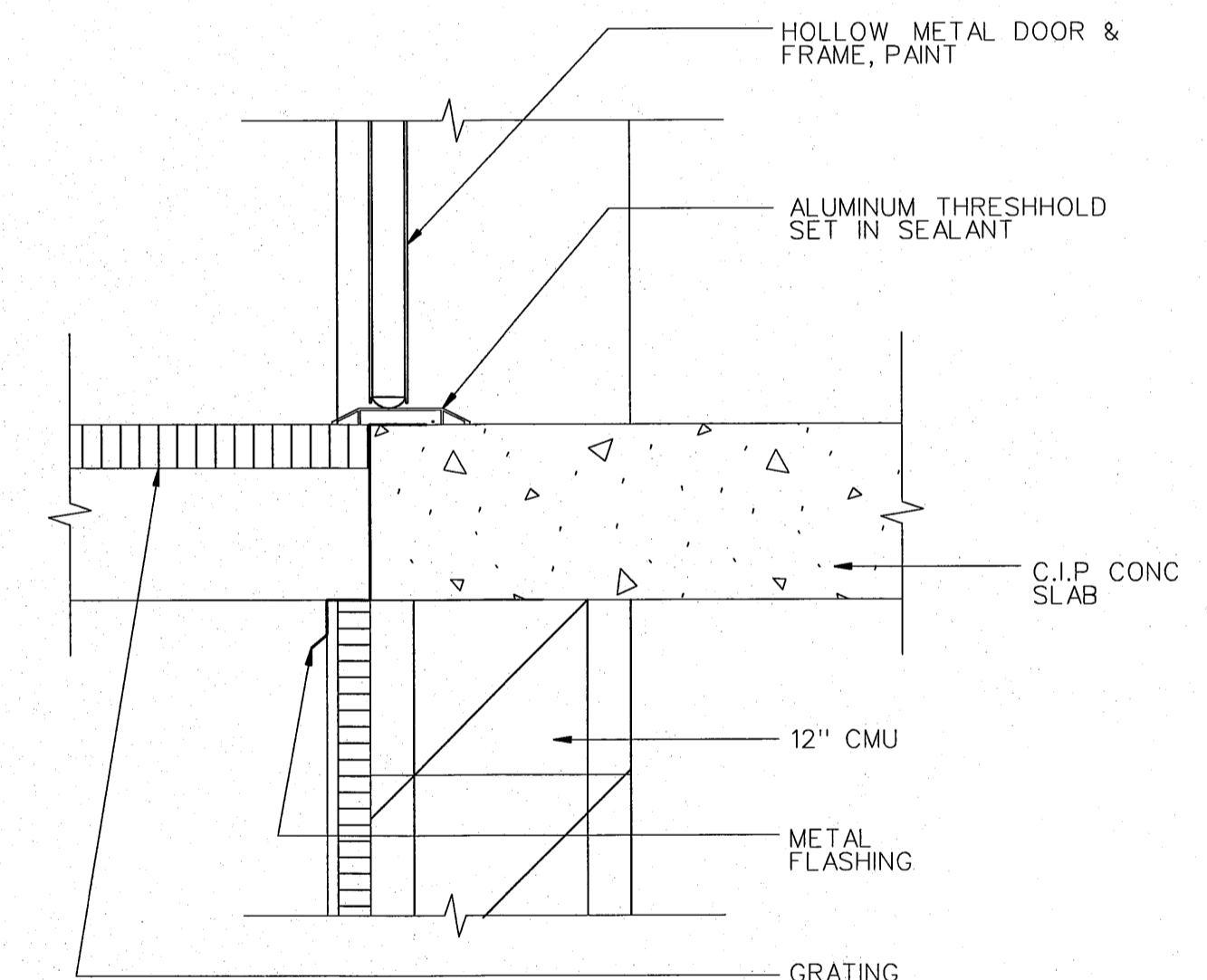
GENERATOR WALL PENETRATION 5  
XX|A17  
0 1/2 1 2 FT  
SCALE: 1/2"=1'-0"



GAURDRAIL 6  
A16|A17  
0 1/2 1 2 FT  
SCALE: 1/2"=1'-0"



EXTERIOR STAIR 7  
A14|A17  
0 4 8 12 FT  
SCALE: 1/4"=1'-0"

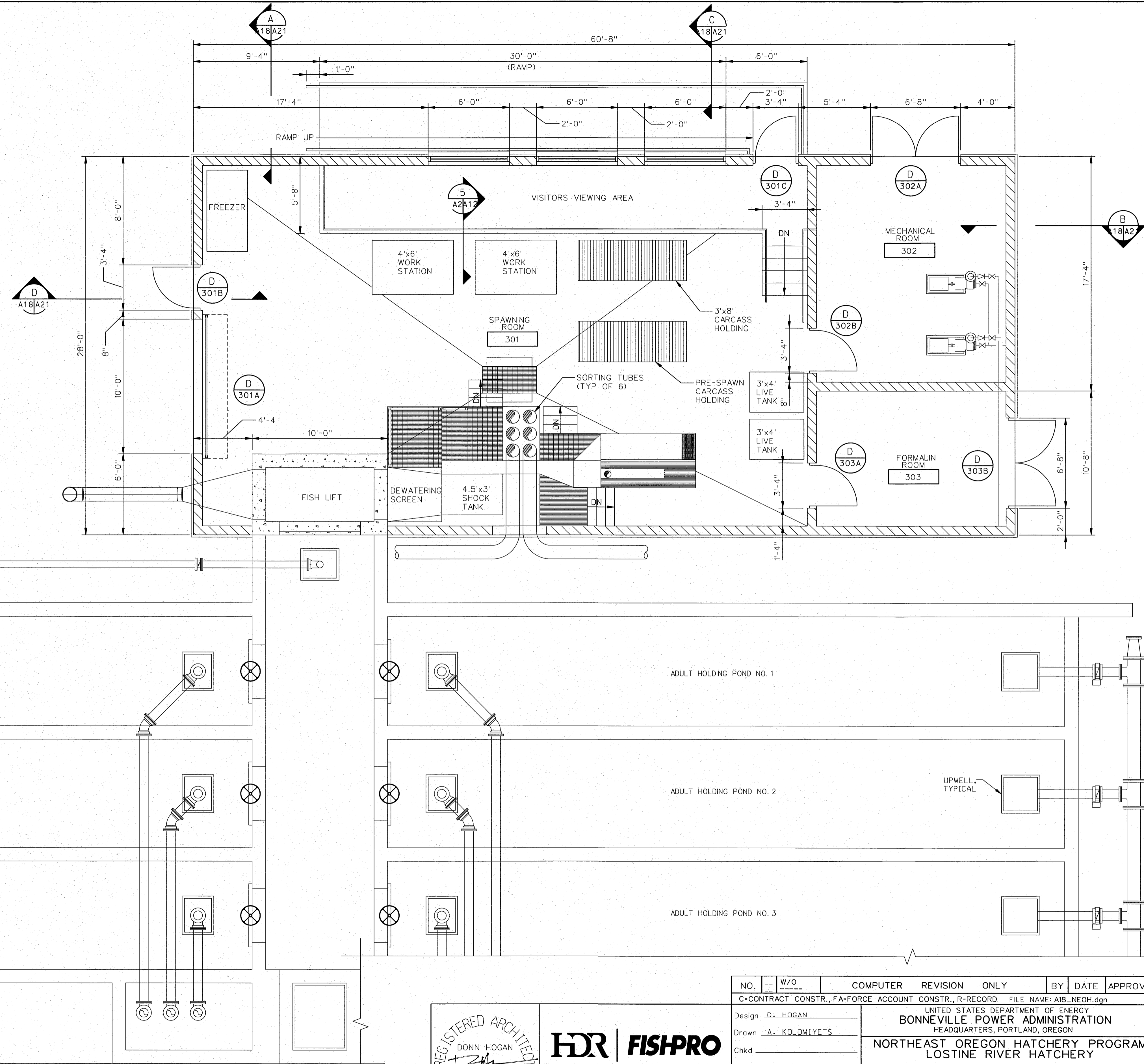


THRESHOLD 8  
A16|A17  
0 4 8 12 FT  
SCALE: 1/4"=1'-0"

REGISTERED ARCHITECT  
DONN HOGAN  
BELLEVEUE, WASHINGTON  
LICENSE # 5009  
4/10/06 DATE  
Engineer Seal

HDR | FISHPRO

NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED	
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: A17-NEOH.dgn								
Design	D.	HOGAN						UNITED STATES DEPARTMENT OF ENERGY
Drawn	A.	KOLOMIYETS						BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON
Chkd								NORTHEAST OREGON HATCHERY PROGRAM LOSTINE RIVER HATCHERY
Sub								UTILITY BUILDING DETAILS
Rec								SERIAL
Rec								SOURCE
Appr								SHEET NO. A17
Date								SHEET OF



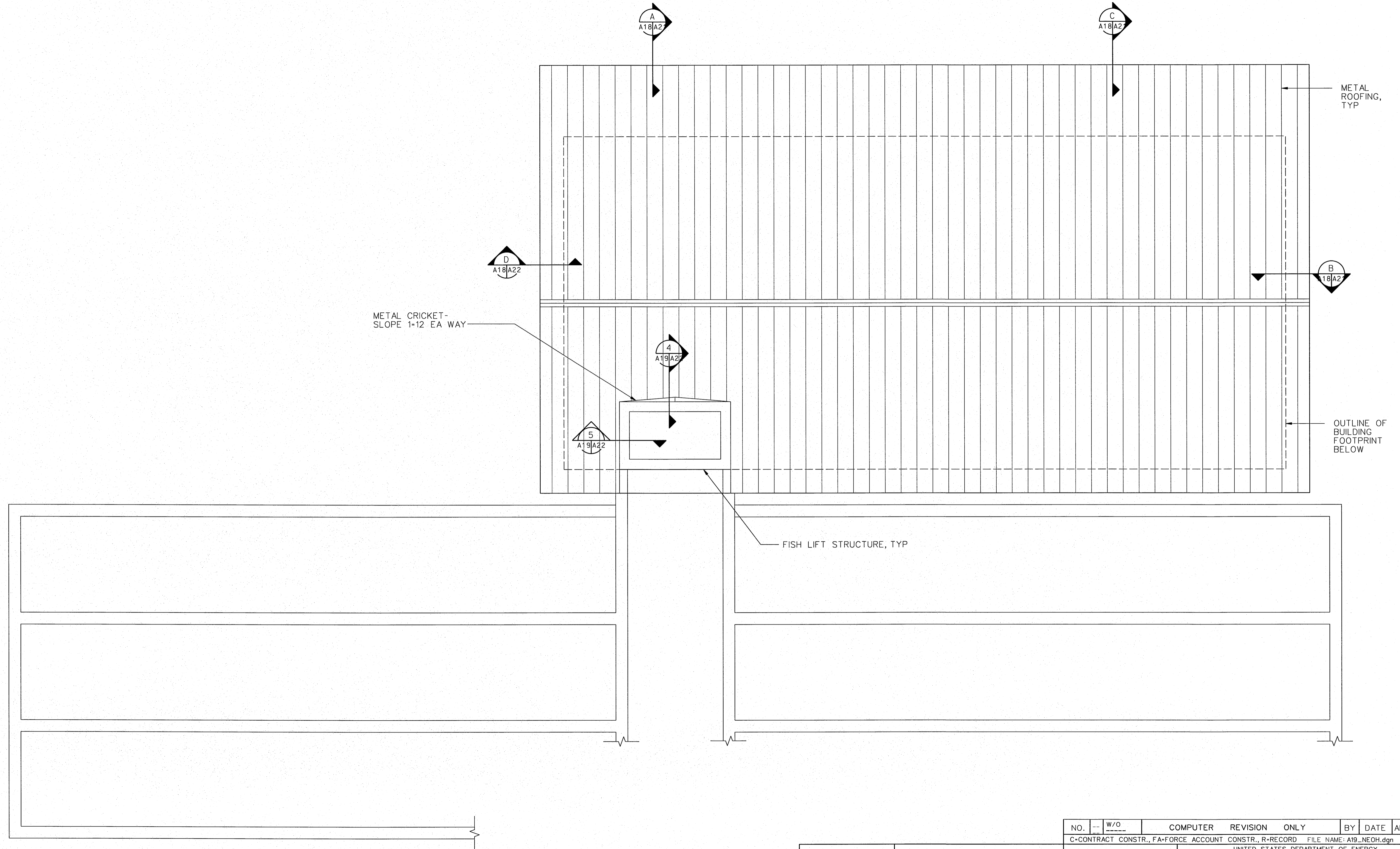
FLOOR PLAN  
 0 4 8 12 FT  
 SCALE: 1/4" = 1'-0"



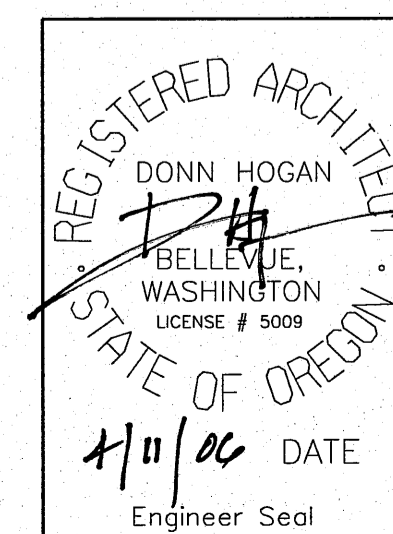
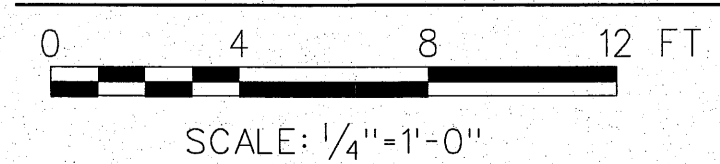
REGISTERED ARCHITECT  
 DONN HOGAN  
 BELLEVUE, WASHINGTON  
 LICENSE # 5009  
 4/11/06 DATE  
 Engineer Seal



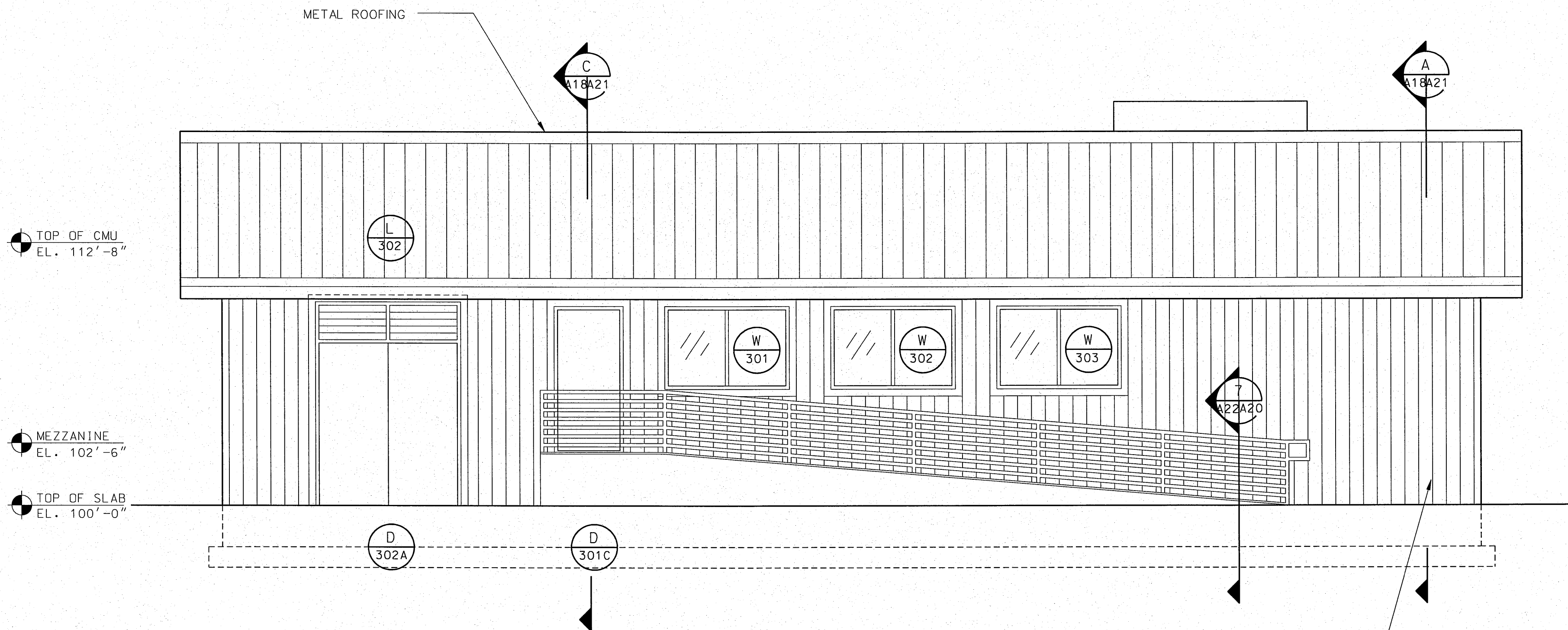
NO.	W/O	COMPUTER REVISION ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD					FILE NAME: A18_NEOH.dgn
Design	D. HOGAN				UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON
Drawn	A. KOLOMIYETS				NORTHEAST OREGON HATCHERY PROGRAM LOSTINE RIVER HATCHERY
Chkd					ADULT HOLDING AND SPAWNING BUILDING FLOOR PLAN
Sub					SERIAL
Rec					SOURCE
Rec					SHEET NO. A18
Appr					SHEET
Date					REVISION



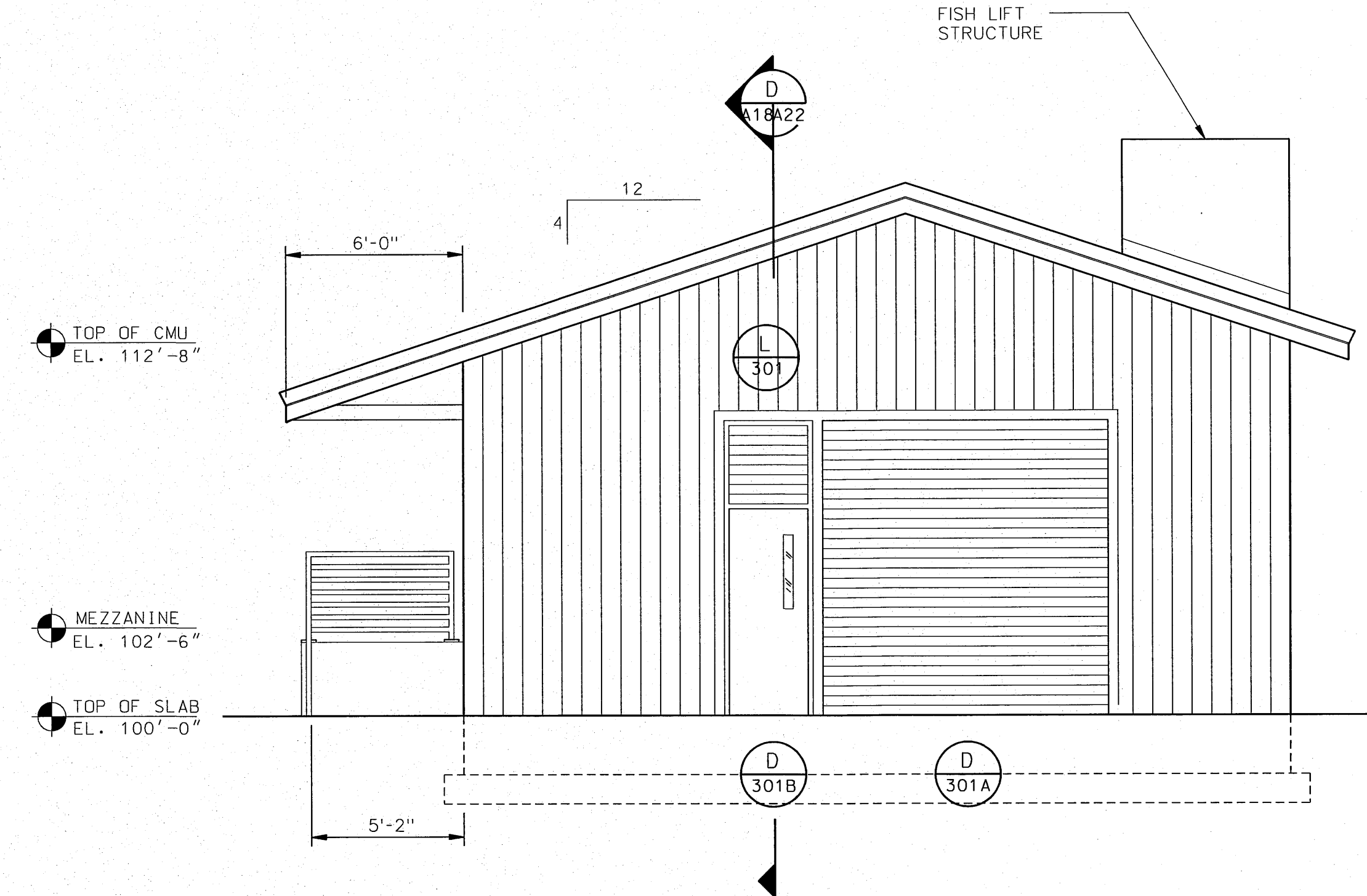
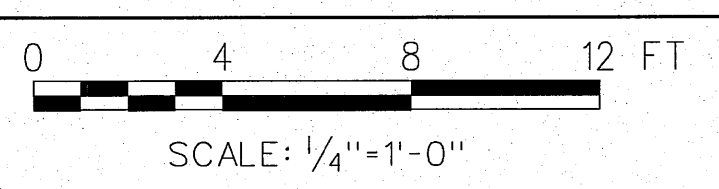
ROOF PLAN



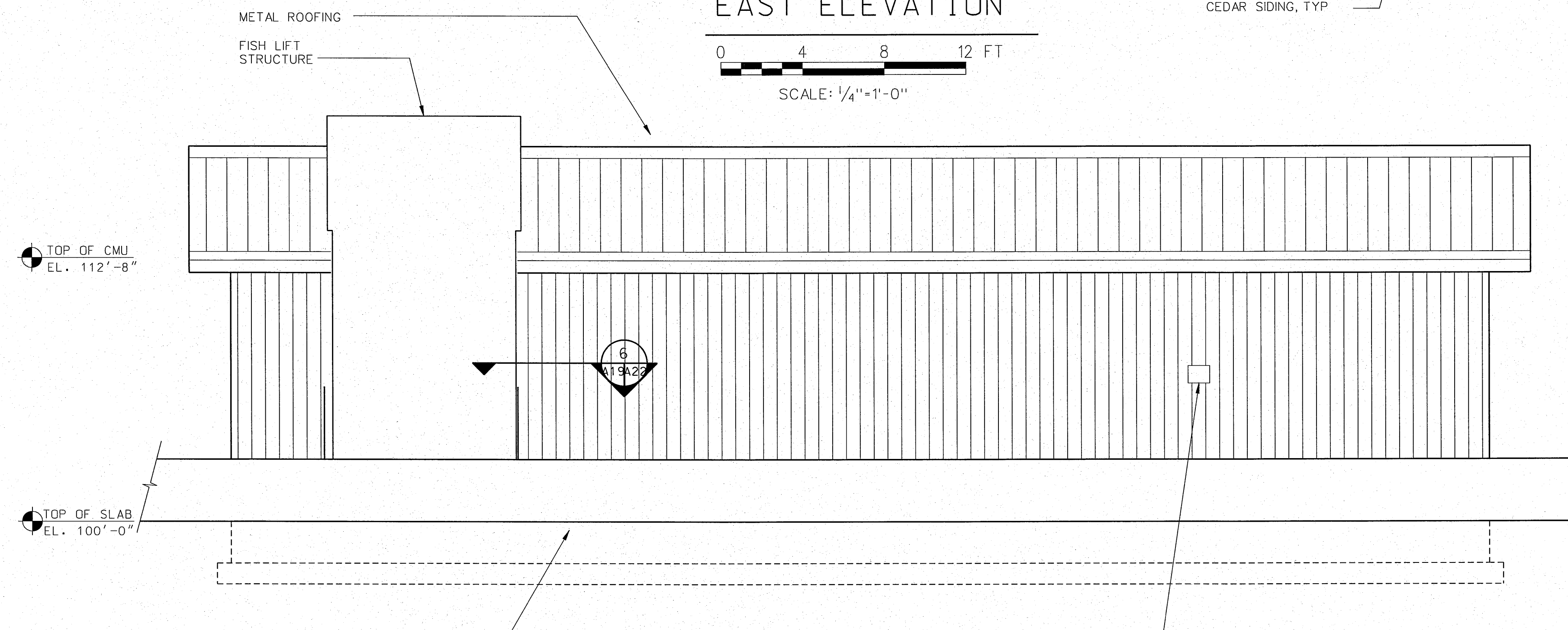
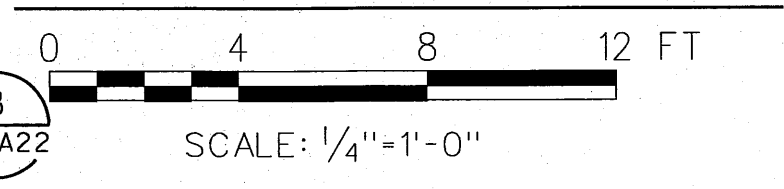
NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT	CONSTR.,	FA-FORCE	ACCOUNT	CONSTR.,	R-RECORD	FILE NAME:	A19_NEOH.dgn
Design	D. HOGAN	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON					
Drawn	A. KOLMIYETS	NORTHEAST OREGON HATCHERY PROGRAM LOSTINE RIVER HATCHERY					
Chkd		ADULT HOLDING AND SPAWNING BUILDING ROOF PLAN					
Sub							
Rec							
Appr							
Date		SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
				A19	QE		



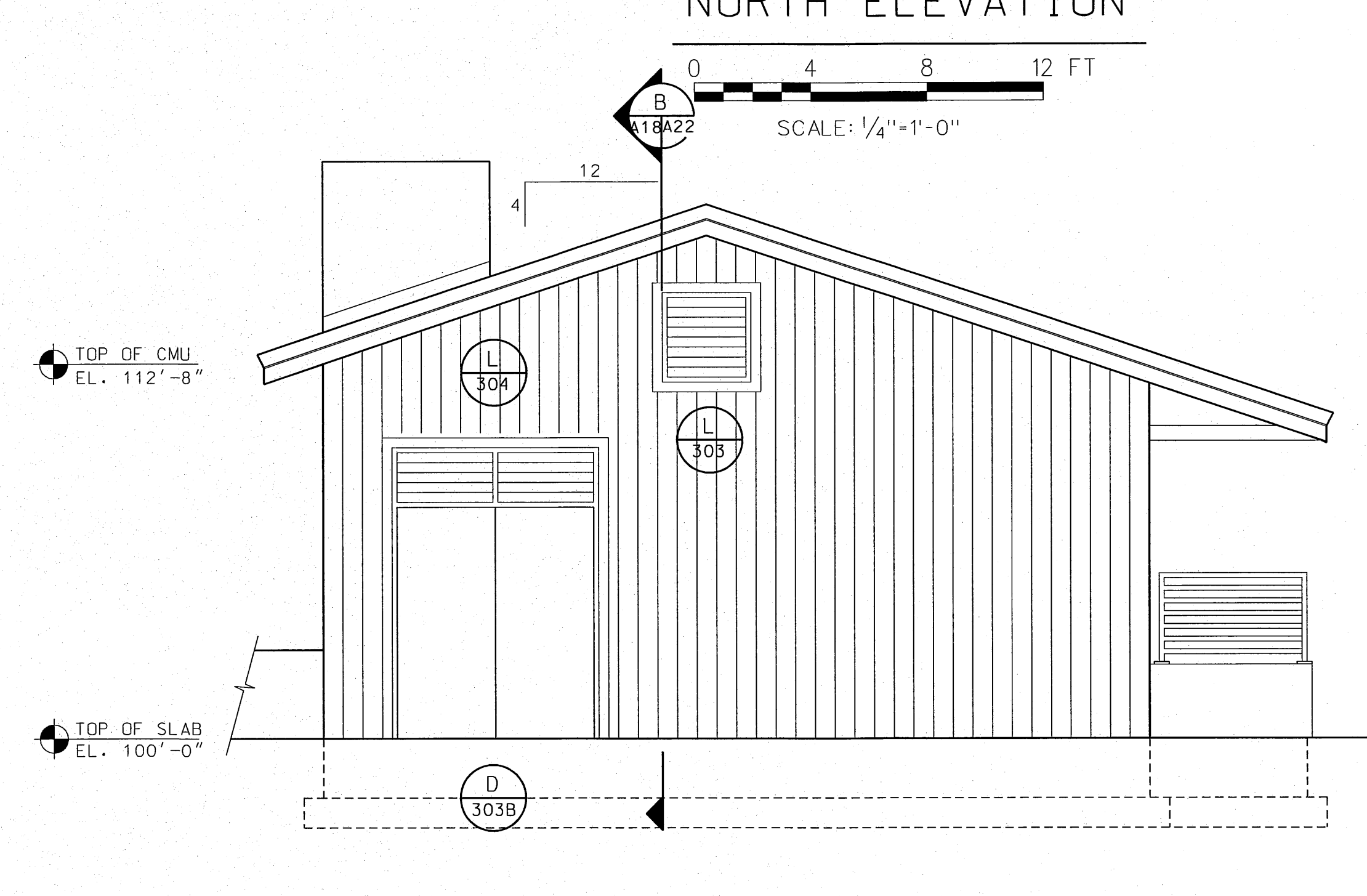
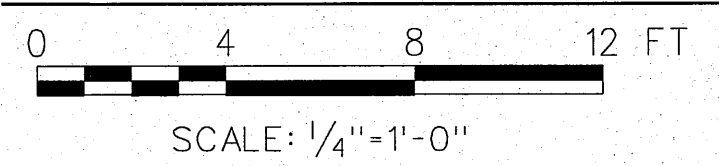
EAST ELEVATION



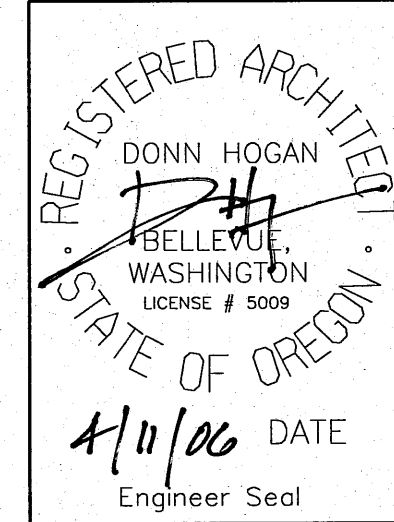
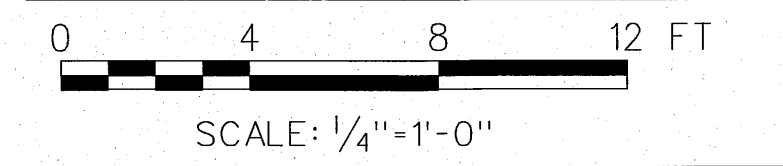
NORTH ELEVATION



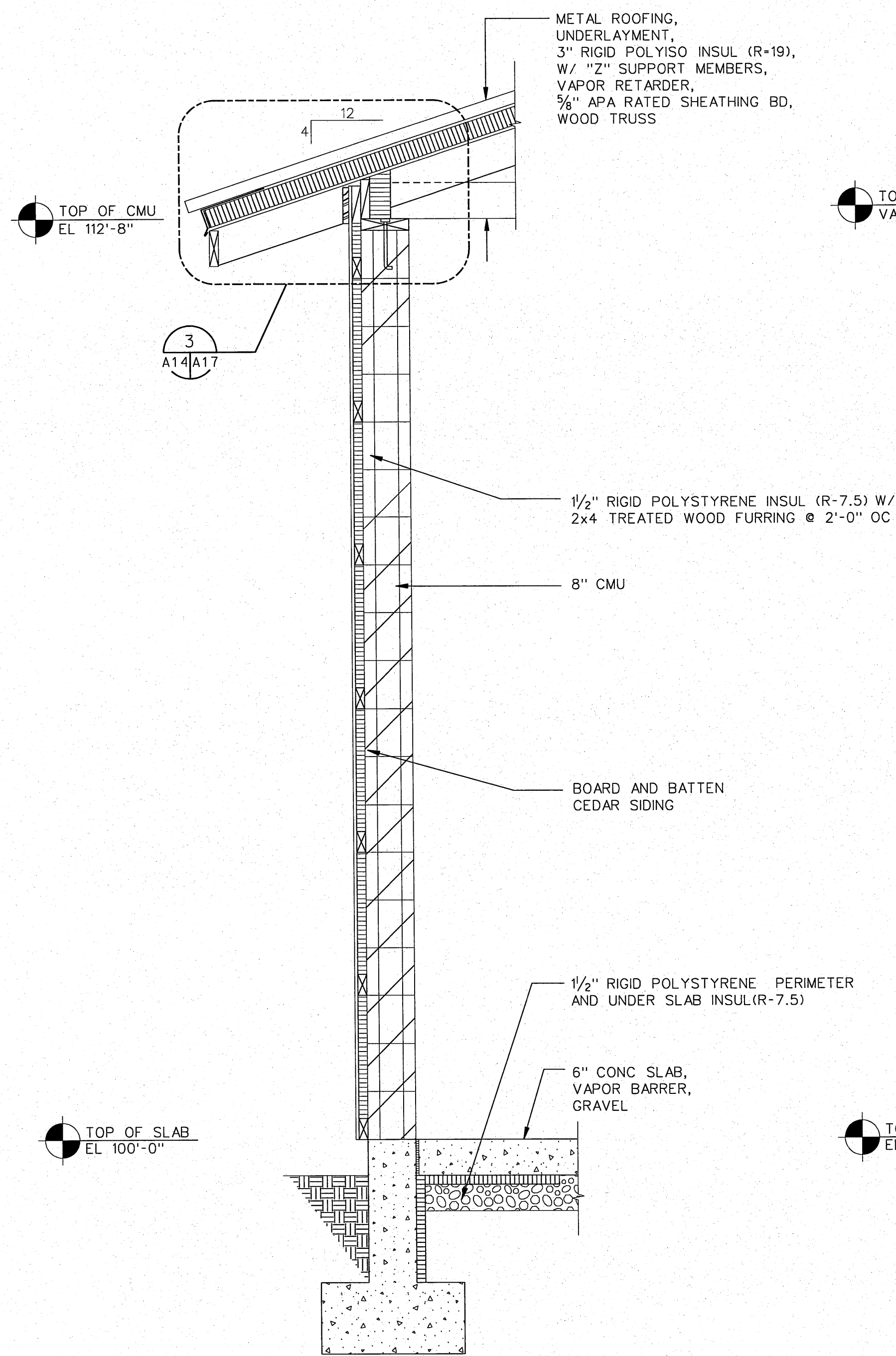
WEST ELEVATION



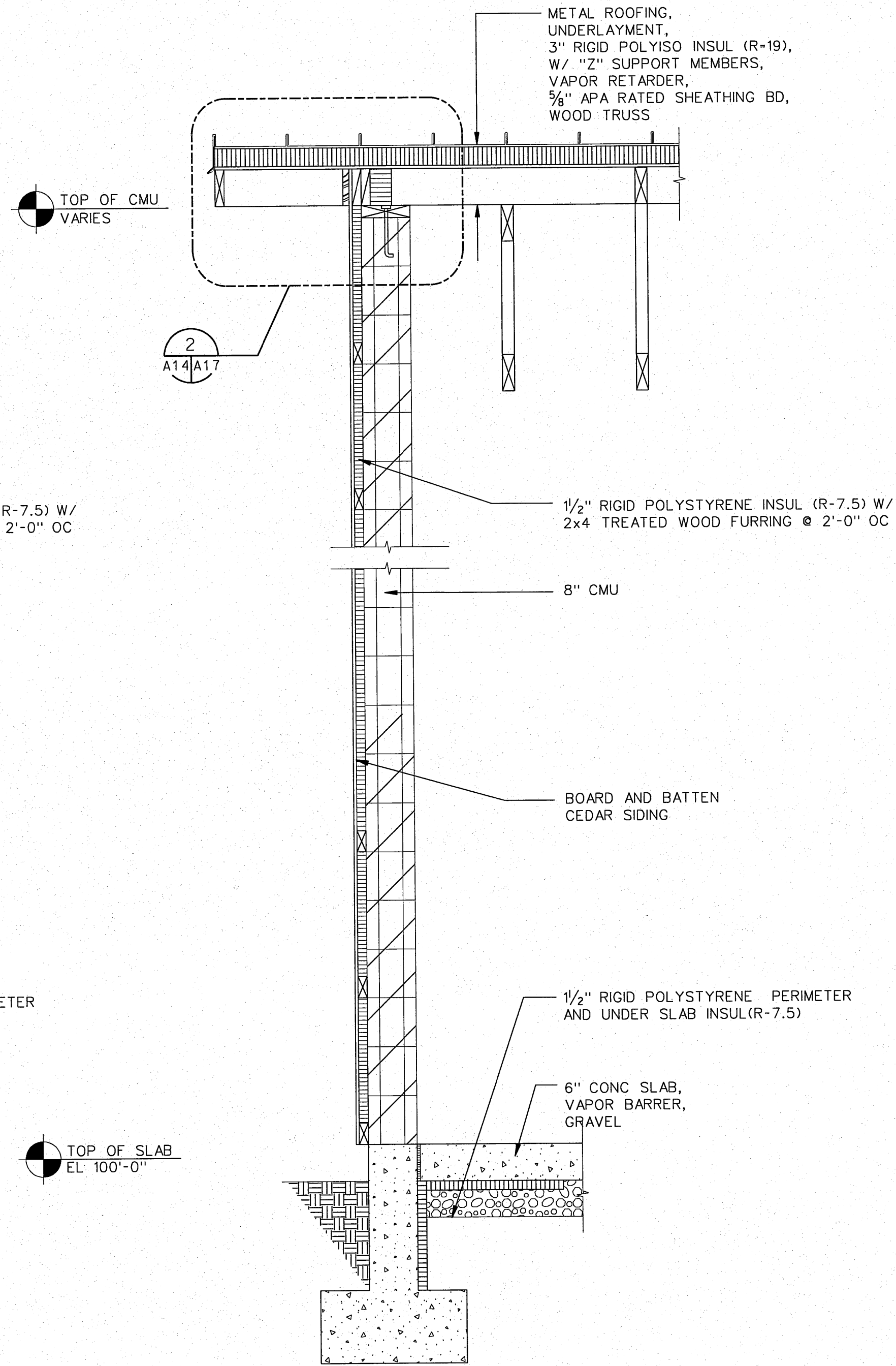
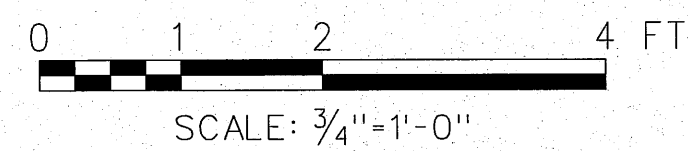
SOUTH ELEVATION



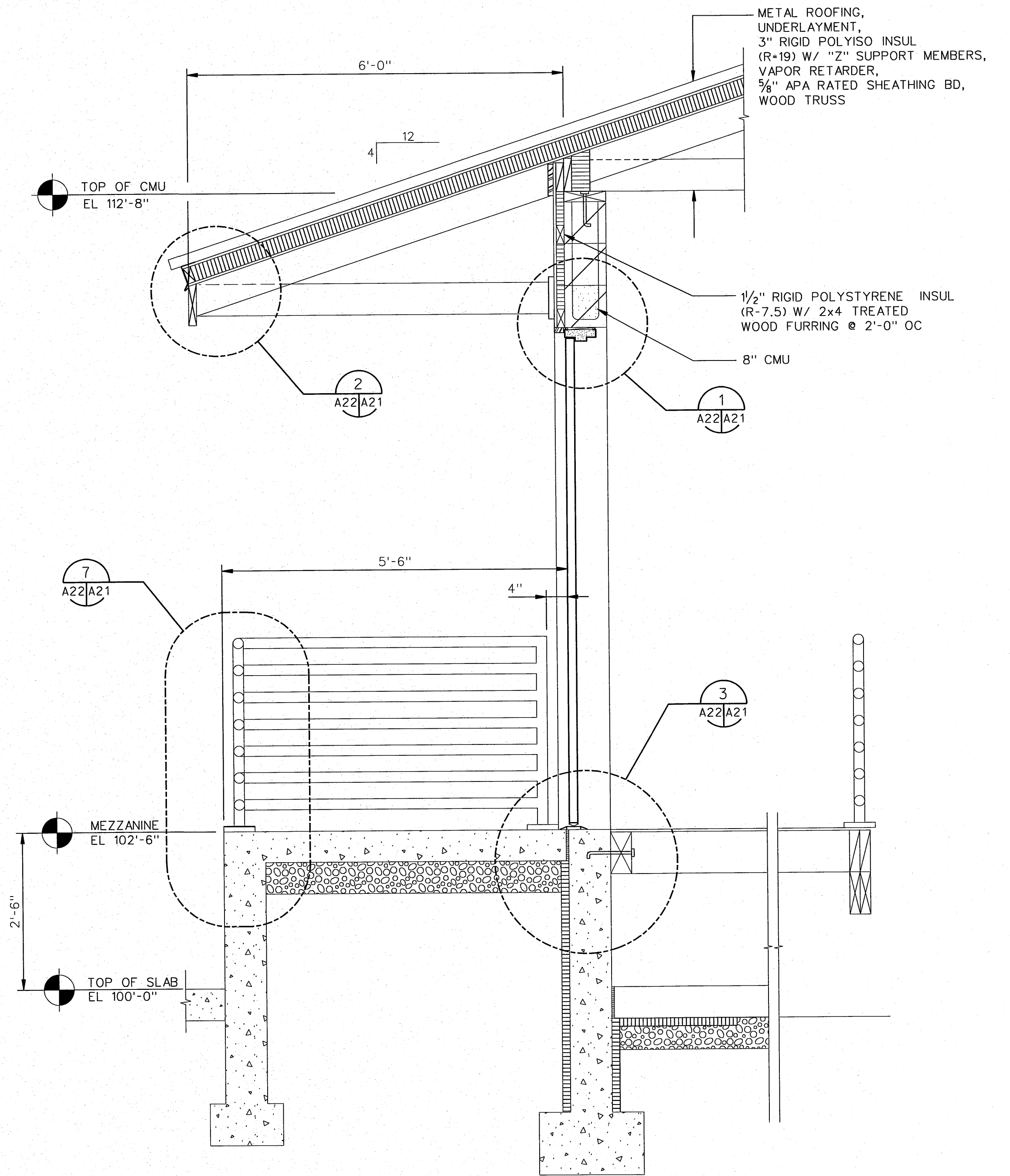
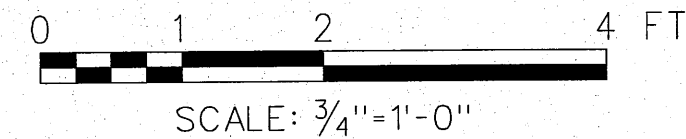
NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: A20-NEOH.dgn							
Design	D. HOGAN	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON					
Drawn	A. KOLOMIYETS	NORTHEAST OREGON HATCHERY PROGRAM LOSTINE RIVER HATCHERY					
Chkd		ADULT HOLDING AND SPAWNING BUILDING ELEVATIONS					
Sub		SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
Rec				A20	06		
Rec							
Appr							
Date							



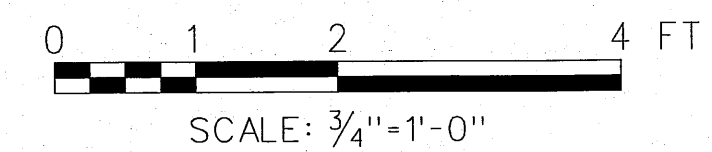
WALL SECTION A  
A18|A21



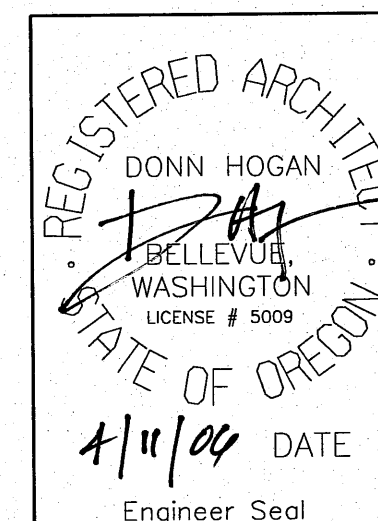
WALL SECTION B  
A18|A21



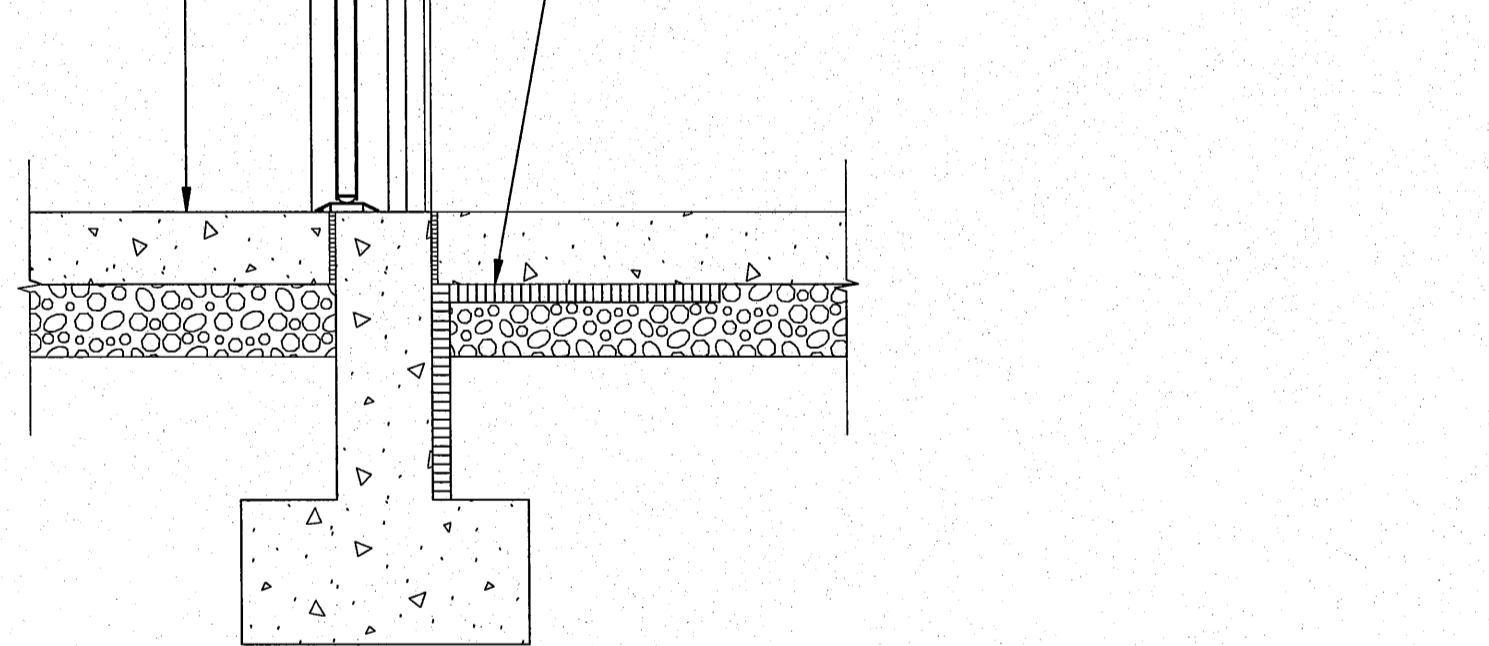
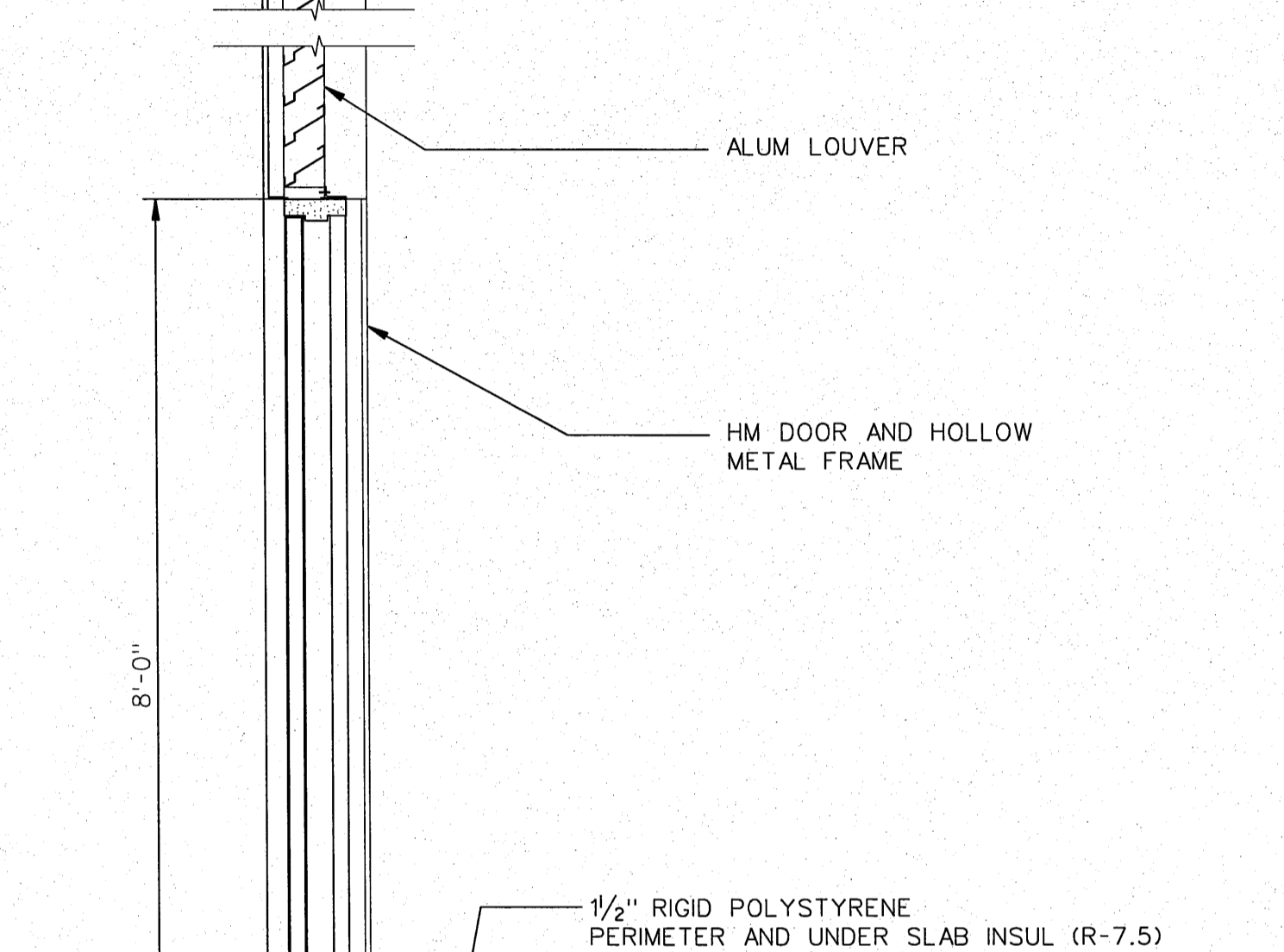
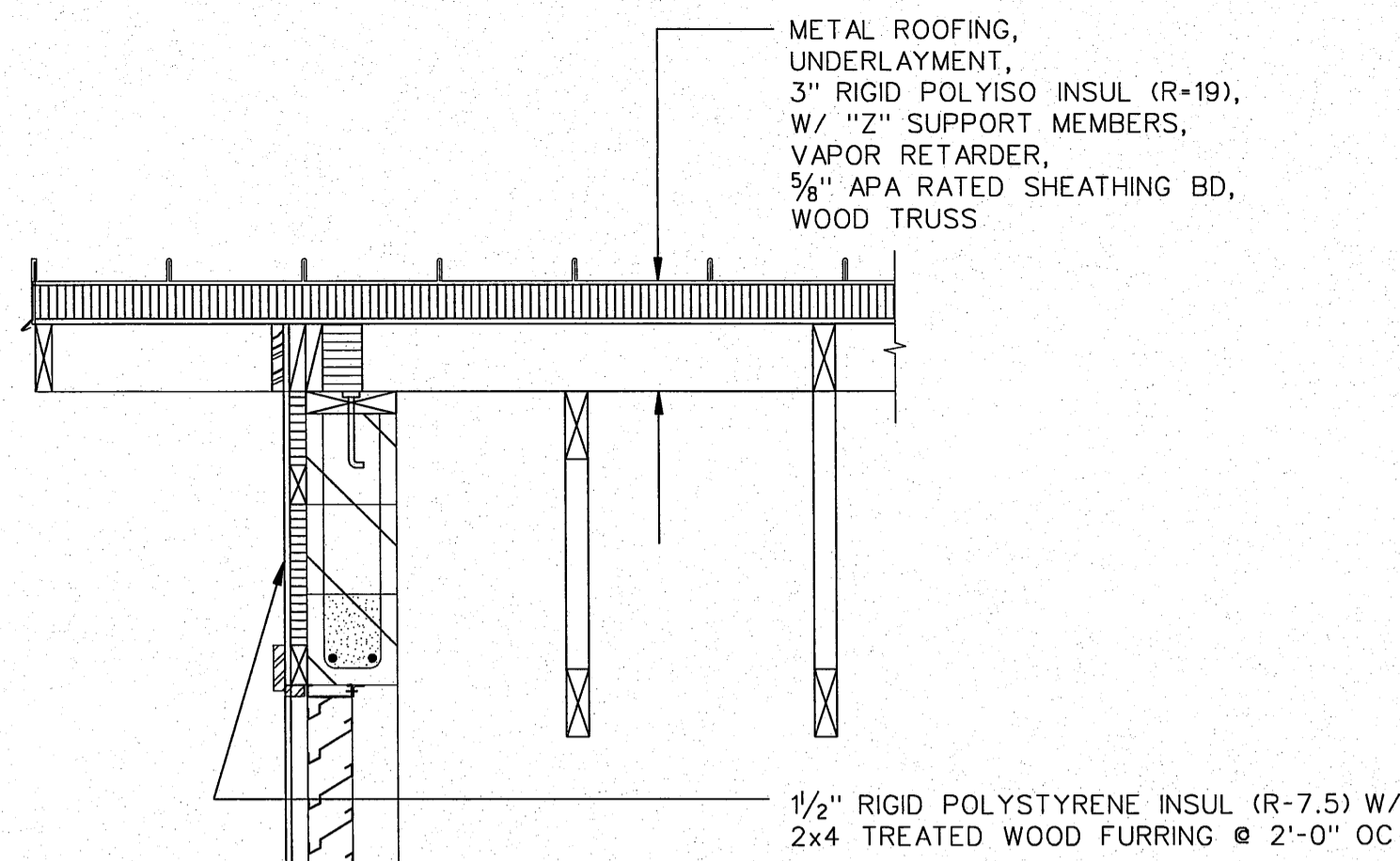
WALL SECTION C  
A18|A21



NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT	CONSTR., FA-FORCE	ACCOUNT	CONSTR., R-RECORD	FILE NAME: A21_NE0H.dgn			
Design	D. HOGAN						
Drawn	A. KOLOMIYETS						
Chkd							
Sub							
Rec							
Rec							
Appr							
Date							
UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON		NORTHEAST OREGON HATCHERY PROGRAM LOSTINE RIVER HATCHERY ADULT HOLDING AND SPAWNING BUILDING WALL SECTIONS					
SERIAL	SOURCE	SHEET NO.	SHEET	REVISION			
		A21	QE				

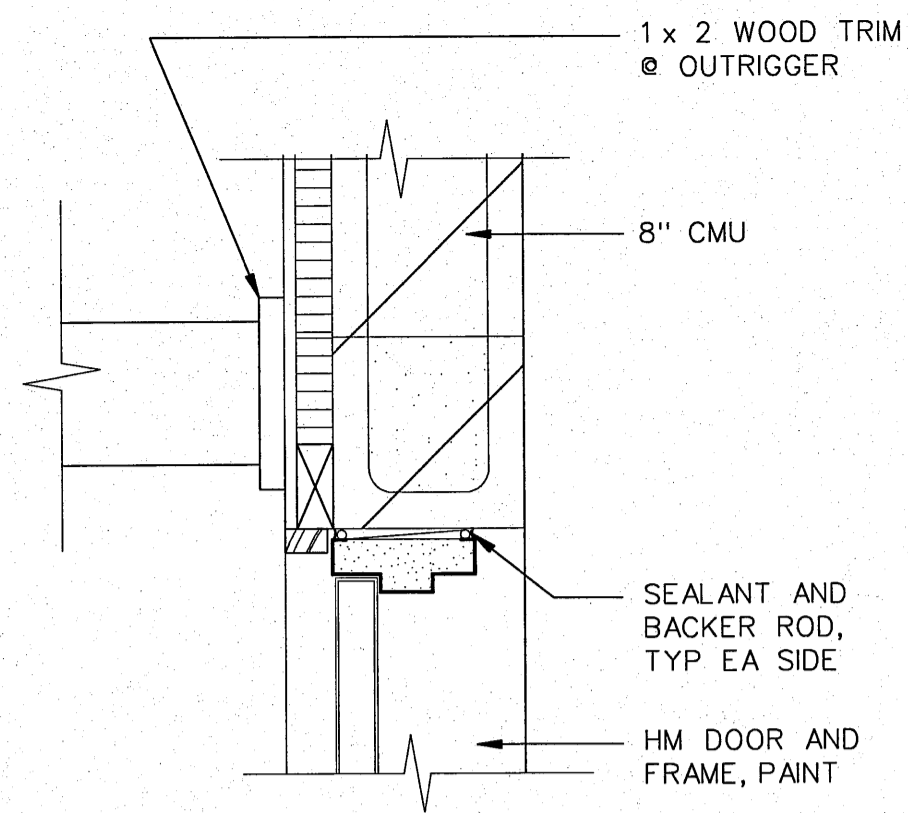
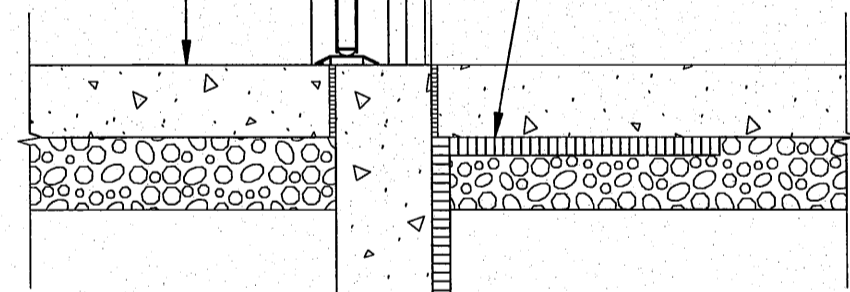


TOP OF CMU VARIES

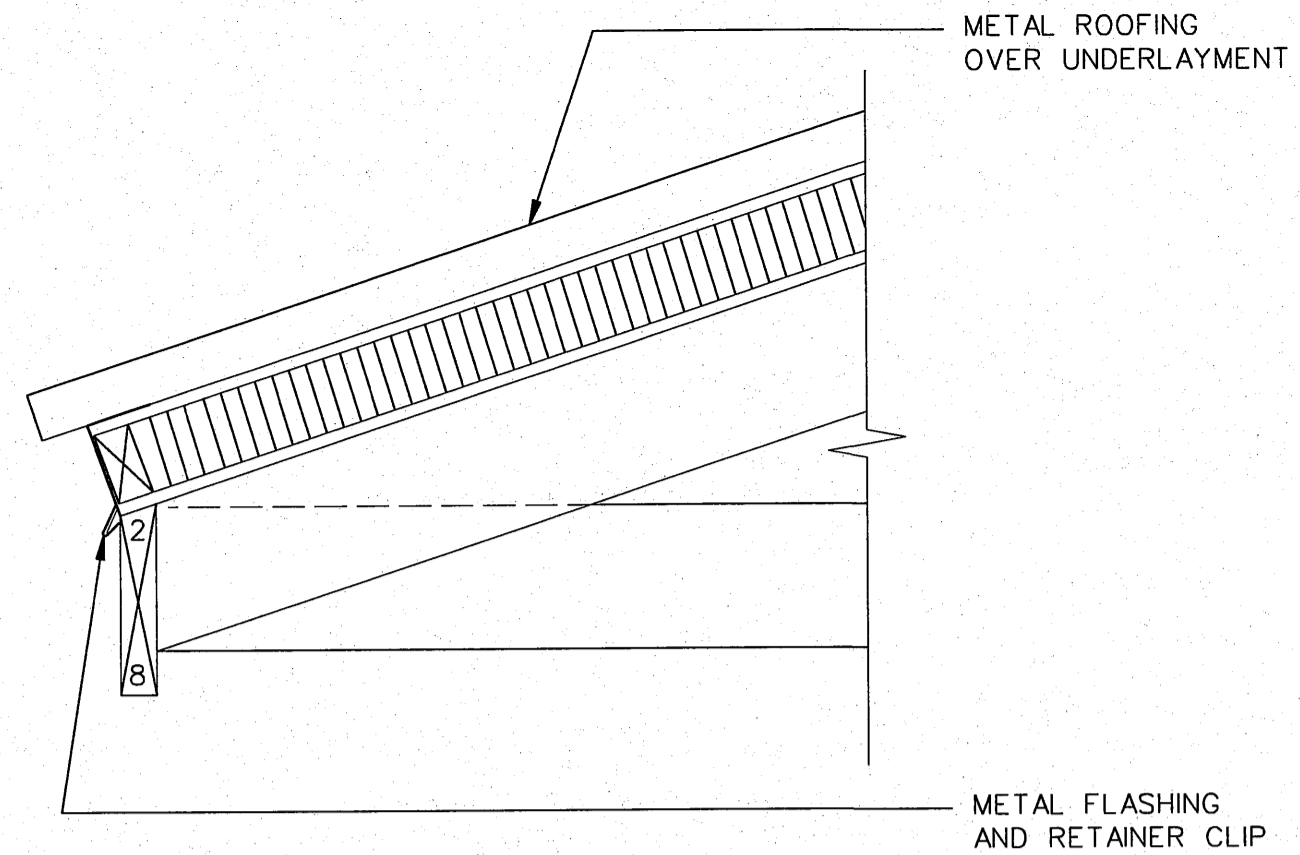


**WALL SECTION** A18/A22  
 SCALE: 3/4"=1'-0"

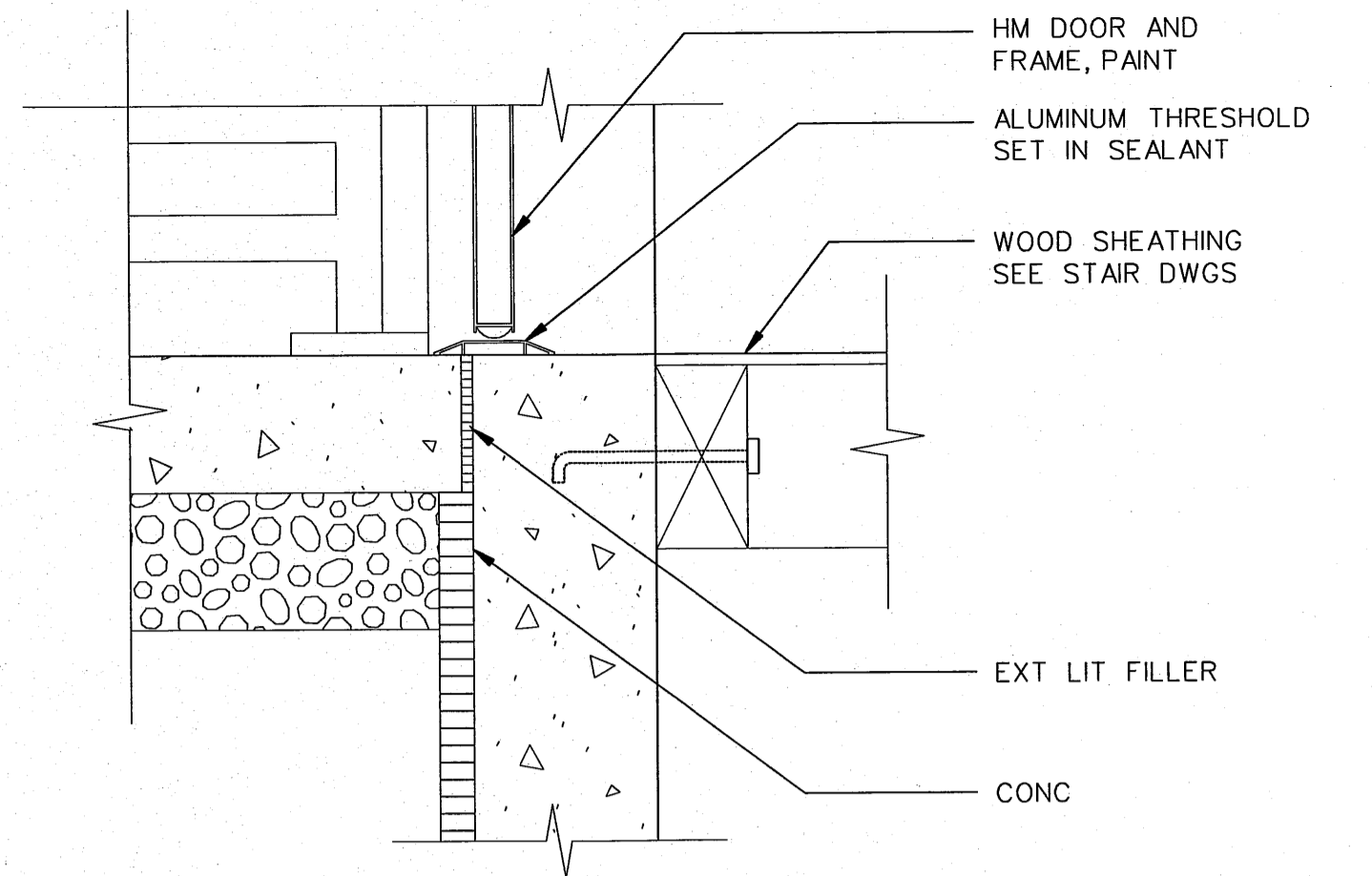
TOP OF SLAB EL 100'-0"



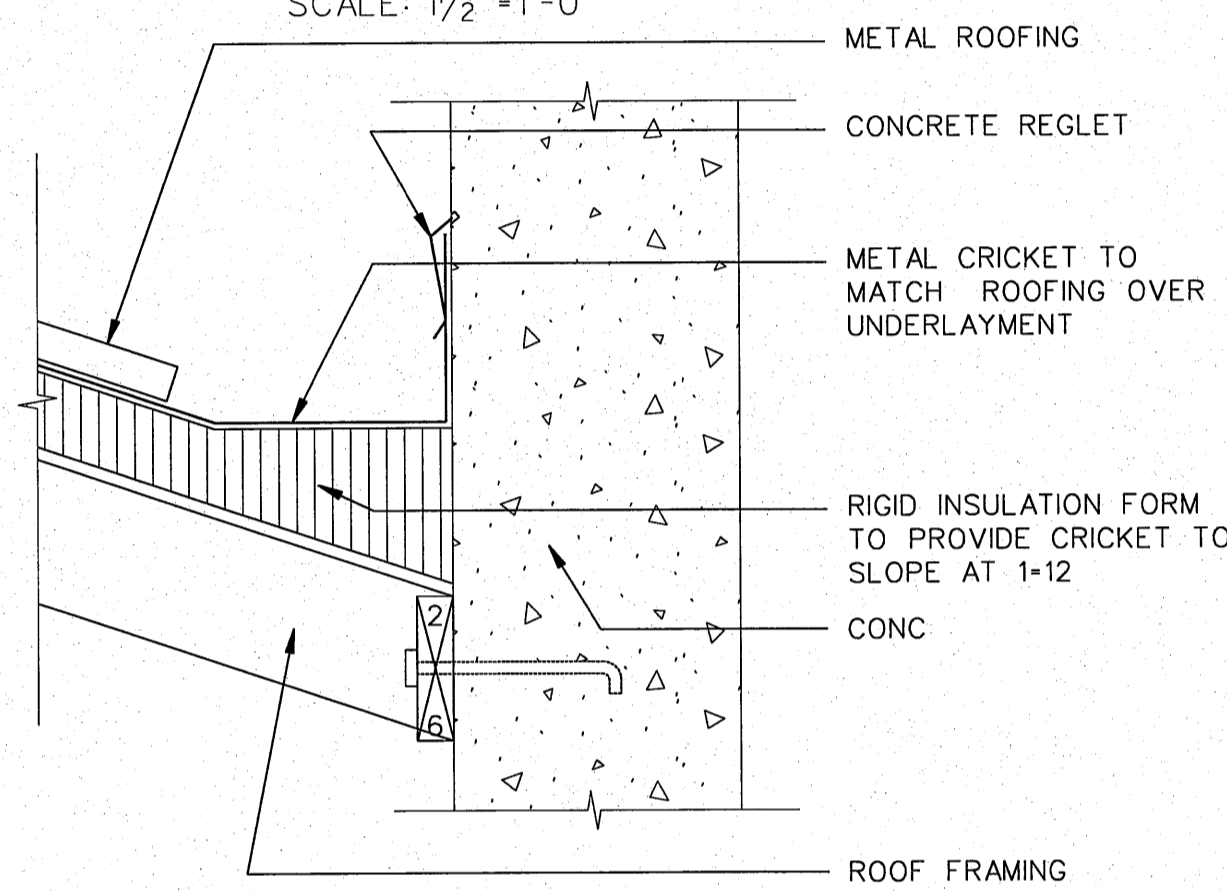
**DETAIL 1** A21/A22  
 SCALE: 1/2"=1'-0"



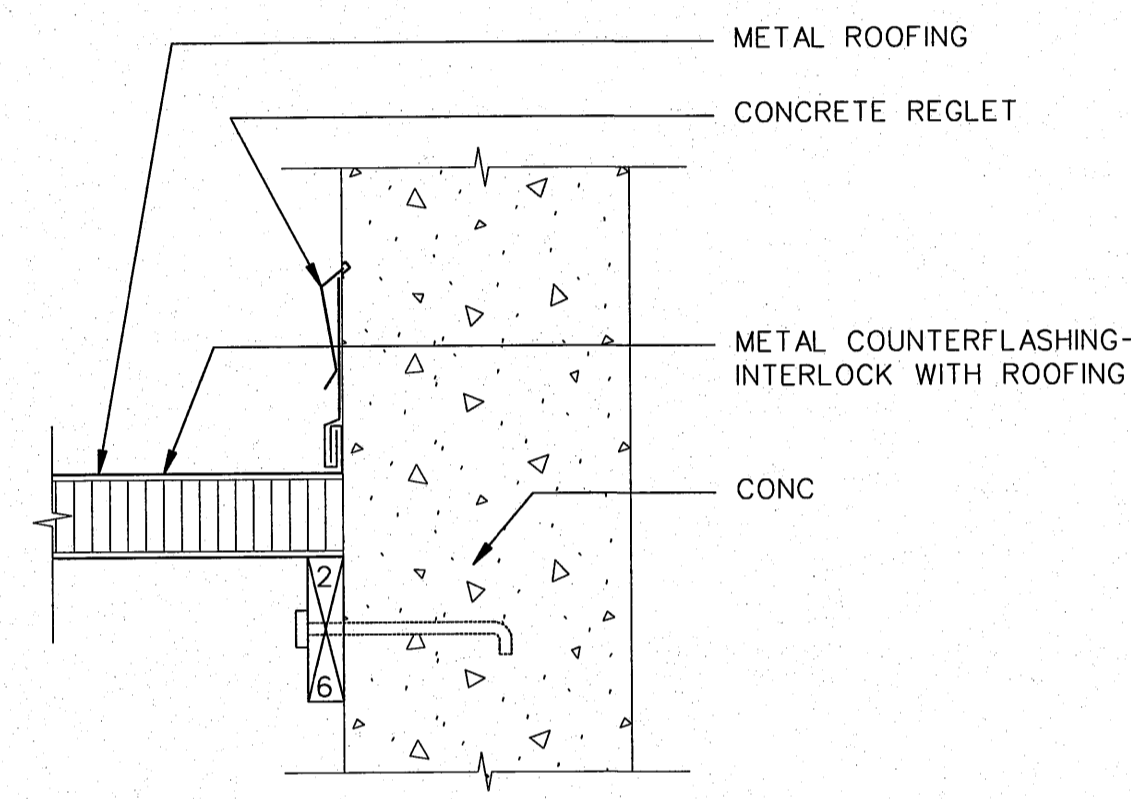
**DETAIL 2** A21/A22  
 SCALE: 1/2"=1'-0"



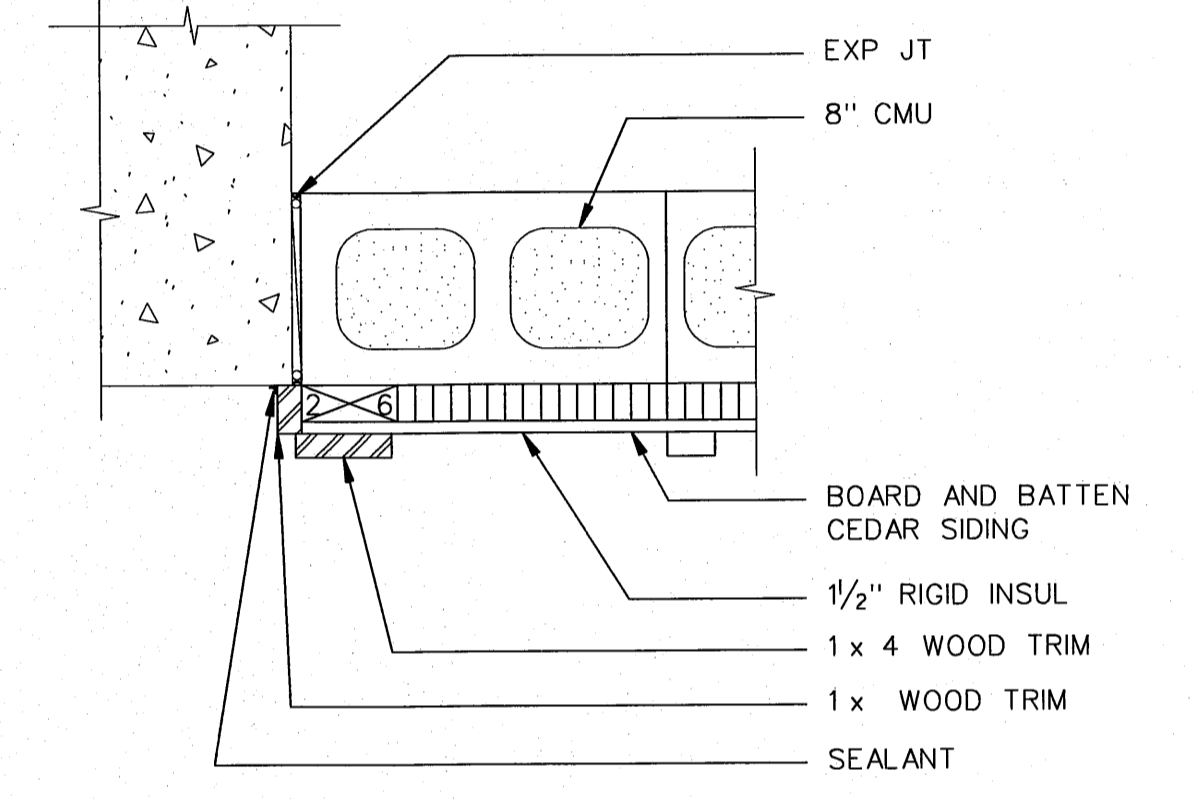
**DETAIL 3** A21/A22  
 SCALE: 1/2"=1'-0"



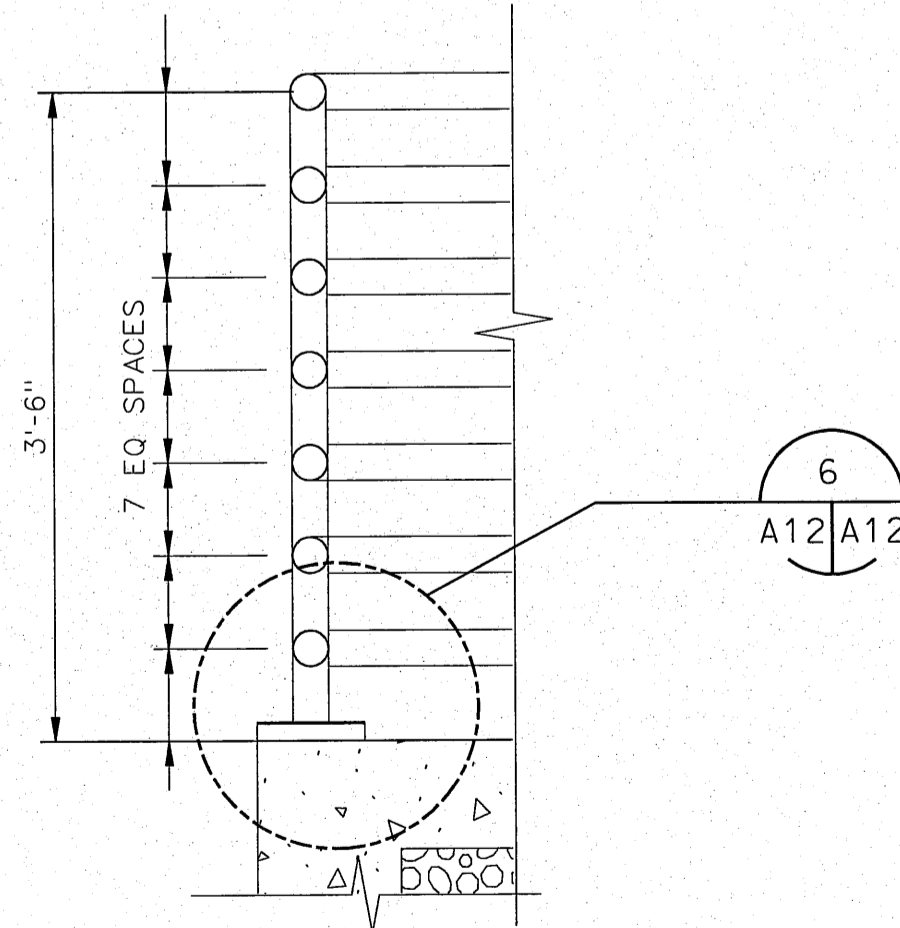
**CRICKET** A19/A22  
 SCALE: 1/2"=1'-0"



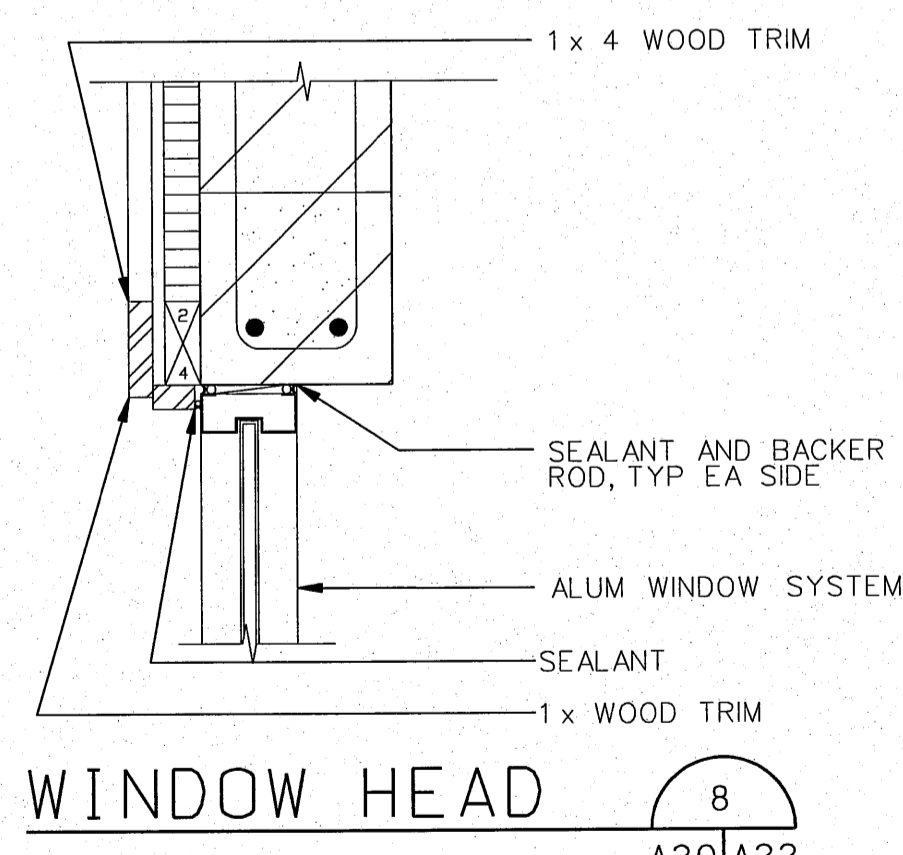
**ROOF FLASHING** A19/A22  
 SCALE: 1/2"=1'-0"



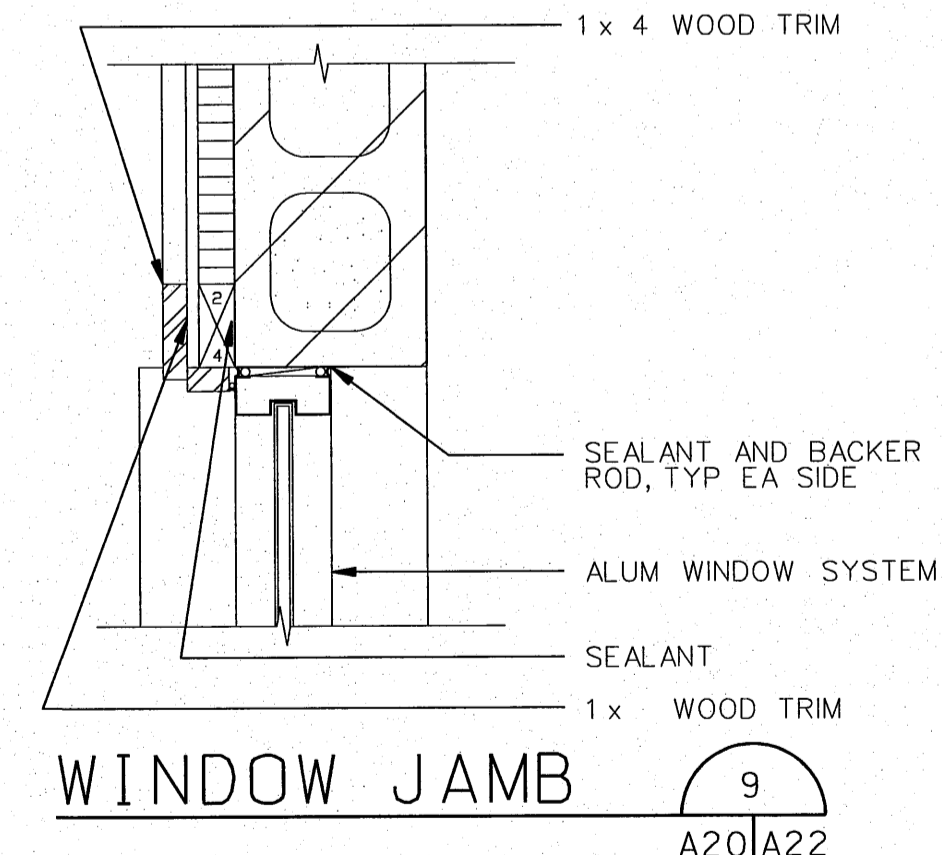
**SIDING TRANSITION** A19/A22  
 SCALE: 1/2"=1'-0"



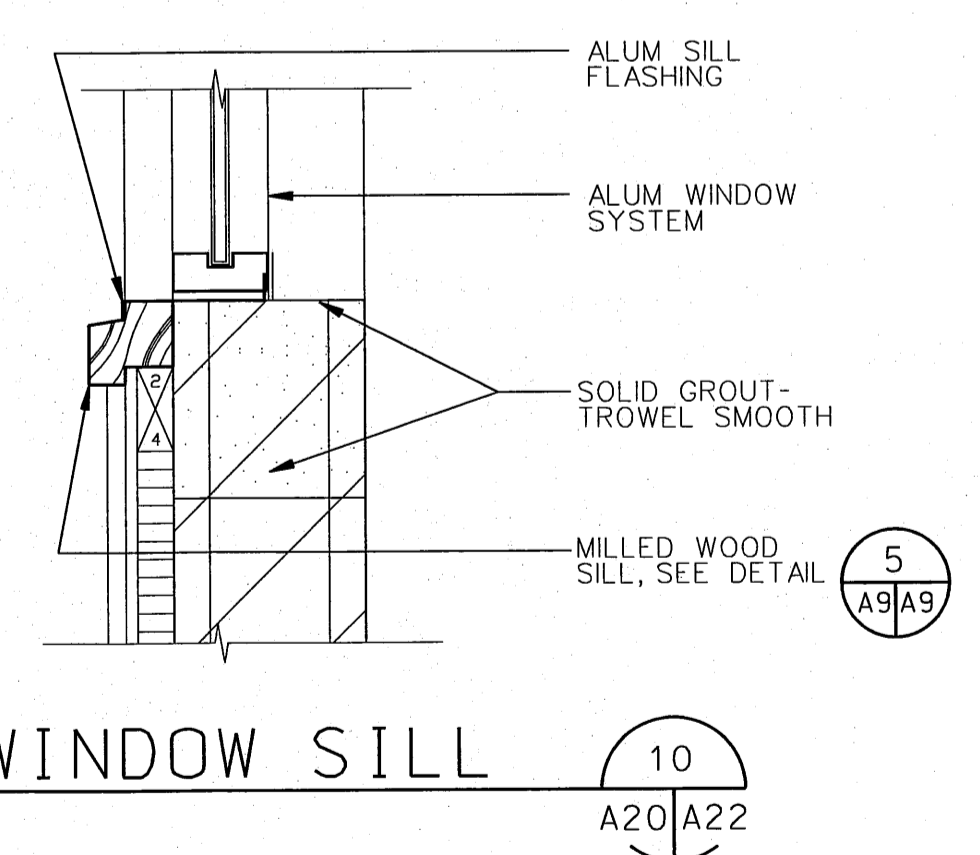
**RAILING SECTION** A12/A12  
 SCALE: 1"=1'-0"



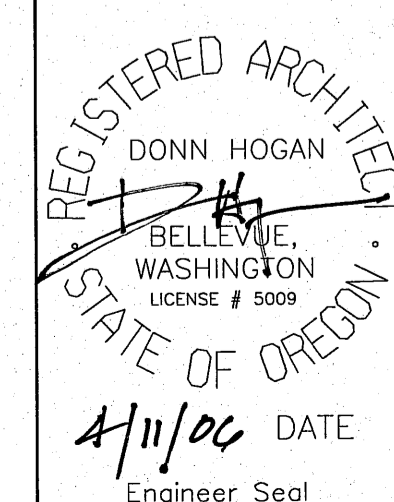
**WINDOW HEAD** A20/A22  
 SCALE: 1/2"=1'-0"



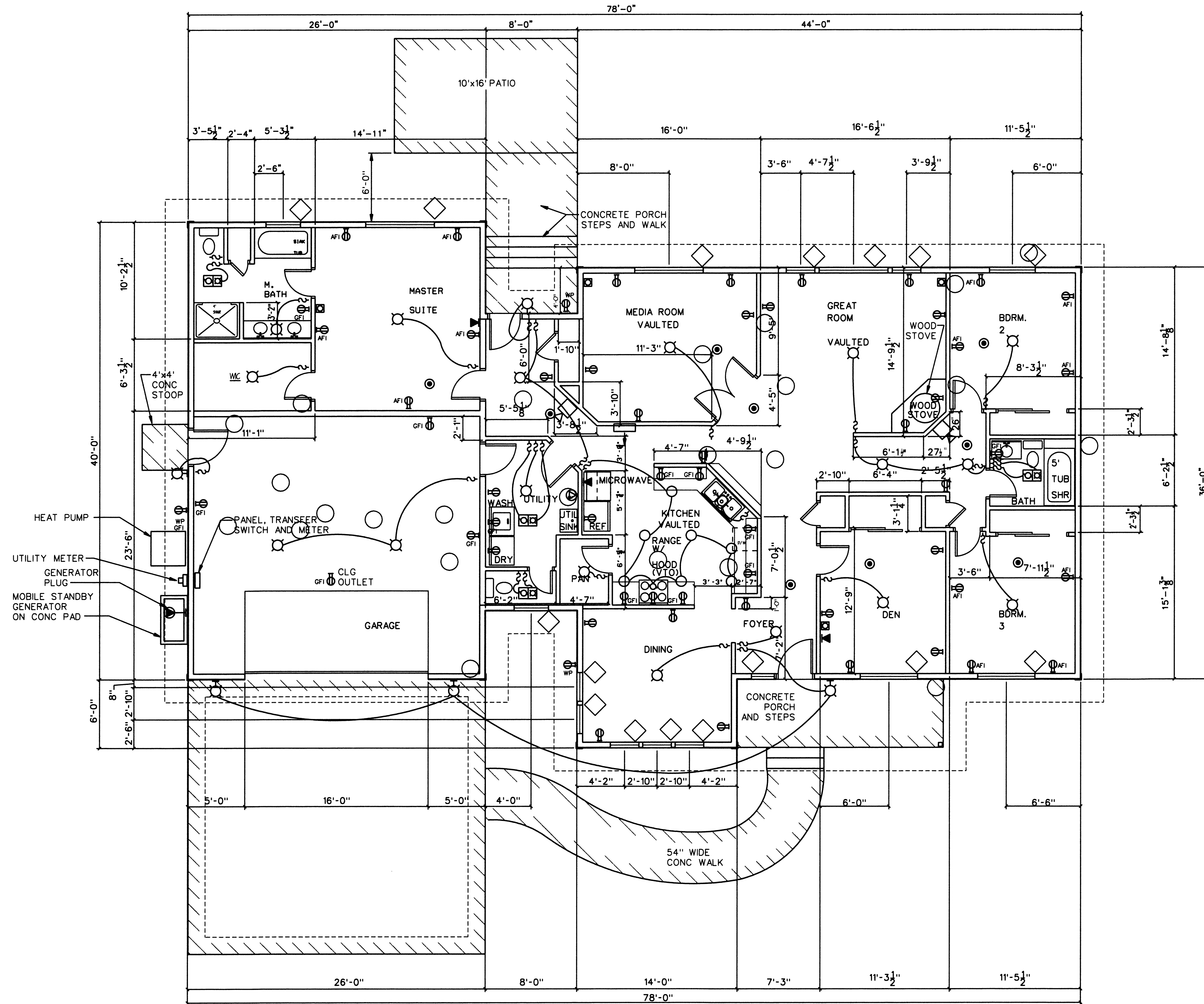
**WINDOW JAMB** A20/A22



**WINDOW SILL** A20/A22



NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: A22-NEOH.dgn							
Design	D. HOGAN						
Drawn	A. KOLOMLYETS						
Chkd							
Sub							
Rec							
Rec							
Appr							
Date							
UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON		NORTHEAST OREGON HATCHERY PROGRAM LOSTINE RIVER HATCHERY ADULT HOLDING AND SPAWNING BUILDING WALL SECTION/ DETAILS					
SERIAL	SOURCE	SHEET NO.	SHEET	REVISION			
		A22	DE				



DOOR SCHEDULE				NOTES
MARK	DOOR SIZE			
	WD	HGT	THK	
1	3'-0"	6'-8"	1 3/4"	---
2	2'-6"	6'-8"	2"	---
3	3'-0"	6'-8"	1 3/4"	---
4	2'-8"	6'-8"	1 3/4"	---
5	16'-0"	7'-0"	1 3/4"	Garage door
6	2'-8"	6'-8"	2"	---
7	2'-8"	6'-8"	2"	---
8	2'-4"	6'-8"	2"	---
9	2'-0"	6'-8"	2"	---
10	2'-0"	6'-8"	2"	---
11	2'-0"	6'-8"	2"	---
12	2'-2"	6'-8"	2"	---
13	6'-0"	6'-8"	2"	---
14	2'-4"	6'-8"	2"	---
15	6'-0"	6'-8"	2"	---
16	2'-6"	6'-8"	2"	---
17	5'-0"	6'-8"	1 3/4"	---
18	2'-6"	6'-8"	2"	---
19	2'-4"	6'-8"	2"	---
20	2'-4"	6'-8"	2"	---
21	11'-6"	6'-8"	2"	---
22	2'-4"	6'-8"	2"	---
23	6'-0"	6'-8"	2"	---

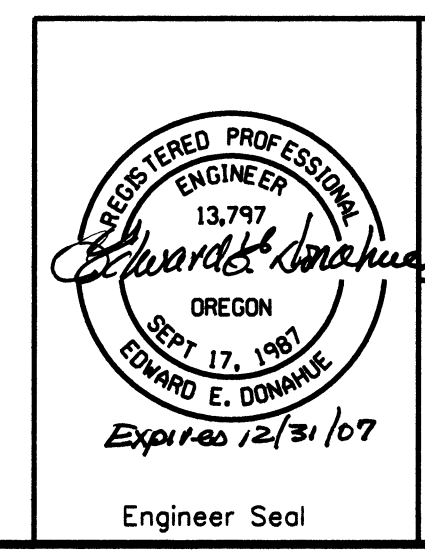
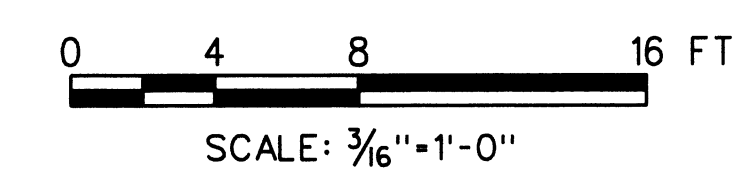
WINDOW SCHEDULE			
MARK	SIZE		NOTES
	WIDTH	HEIGHT	
1	5'-0"	5'-0"	WHT. GRID
2	5'-0"	5'-0"	WHT. GRID
3	2'-0"	5'-0"	WHT. GRID
4	2'-6"	5'-0"	WHT. GRID
5	2'-6"	5'-0"	WHT. GRID
6	2'-6"	5'-0"	WHT. GRID
7	2'-6"	5'-0"	WHT. GRID
8	2'-6"	5'-0"	WHT. GRID
9	3'-0"	4'-0"	---
10	4'-0"	4'-0"	---
11	2'-6"	5'-0"	---
12	6'-0"	5'-0"	---
13	2'-6"	5'-0"	---
14	6'-0"	5'-0"	---
15	6'-0"	4'-0"	---
16	3'-0"	3'-0"	---

**ELECTRICAL SYMBOLS**

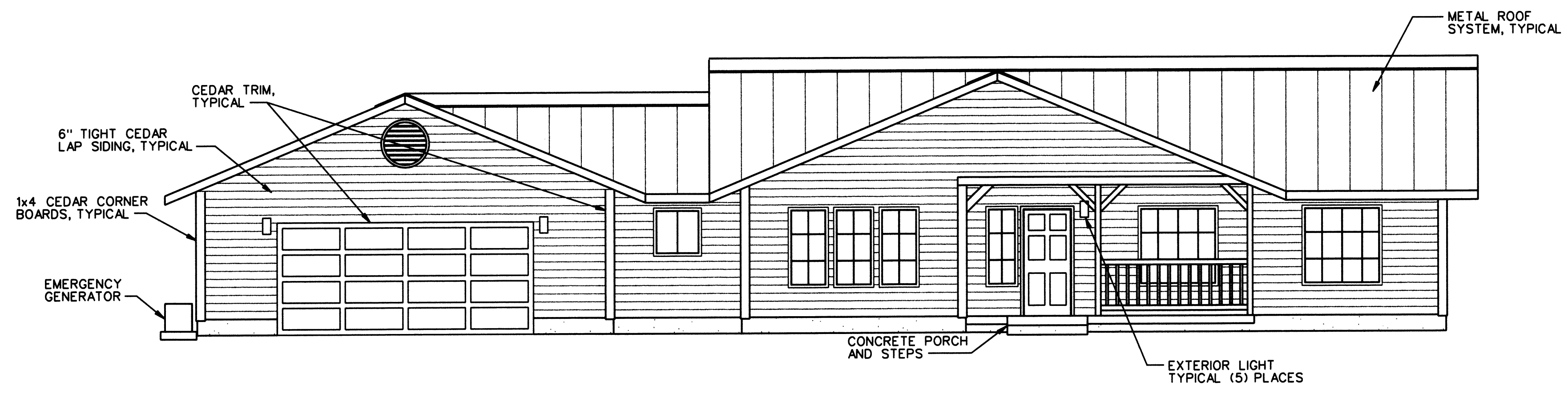
- ⌘ LIGHT SWITCH
- ⊕ 110V DUPLEX OUTLET
- ⊕ GFI GROUND FAULT INTERRUPTER
- ⊕ WP WEATHERPROOF OUTLET
- ⊕ AFI ARC FAULT CIRCUIT INTERRUPTER
- ⊙ SURFACE MOUNT LIGHT
- ⊙ RECESSED CAN LIGHT
- ☎ TELEPHONE
- ⊕ EQUIPMENT CONNECTION
- ⊕ TV OUTLET
- ⊕ SMOKE DETECTOR
- ⊕ HATCHERY ALARM BUZZER, SEE 6/E-29

NOTE:  
SEE DRAWING A40 FOR RESIDENCE PERFORMANCE SPECIFICATIONS. TWO RESIDENCES SHALL BE PROVIDED, ONE AS SHOWN AND ONE OPPOSITE HAND. GENERAL CONTRACTOR SHALL DEVELOP COMPLETE PLANS FOR USE IN OBTAINING ALL PERMITS AND CONSTRUCTION.

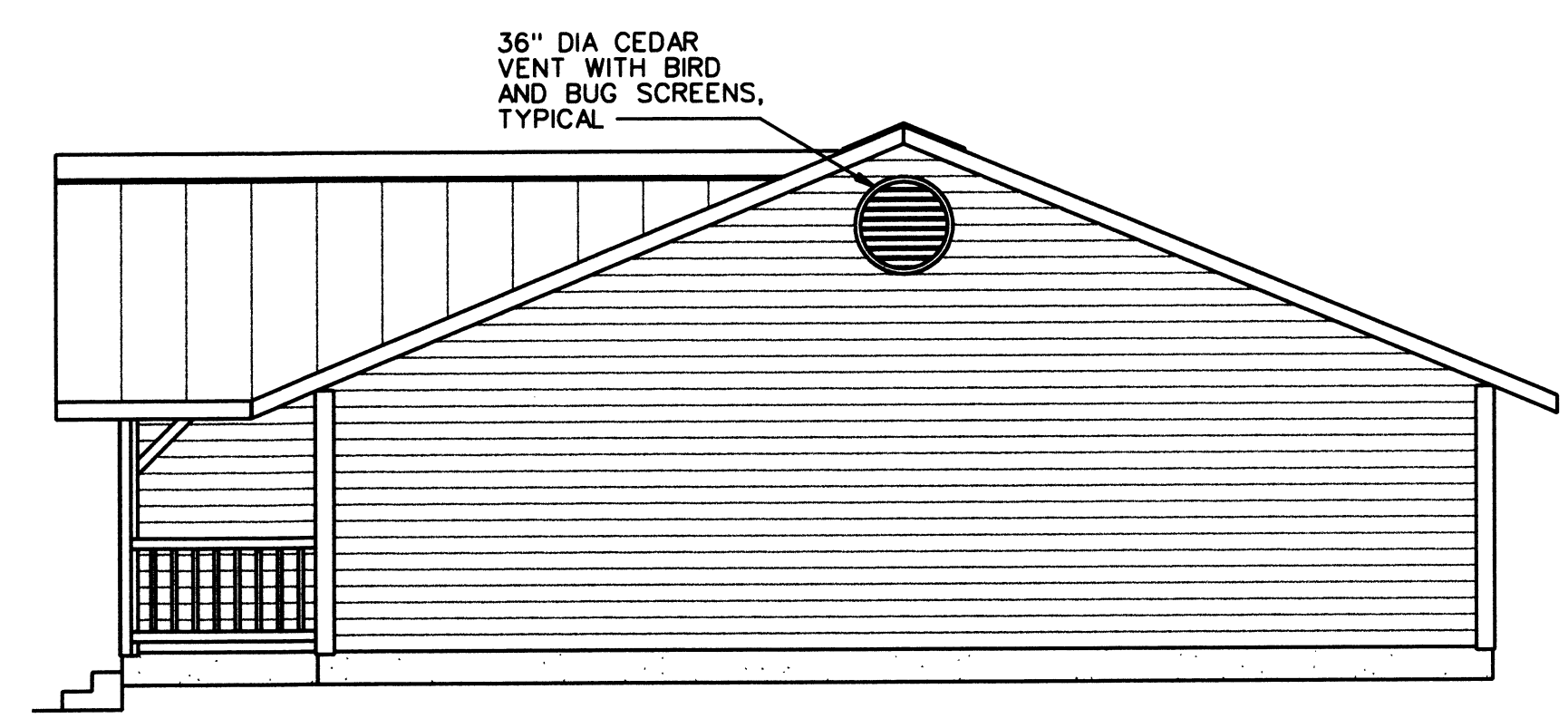
**RESIDENCES 1 & 2 - FLOOR PLAN**



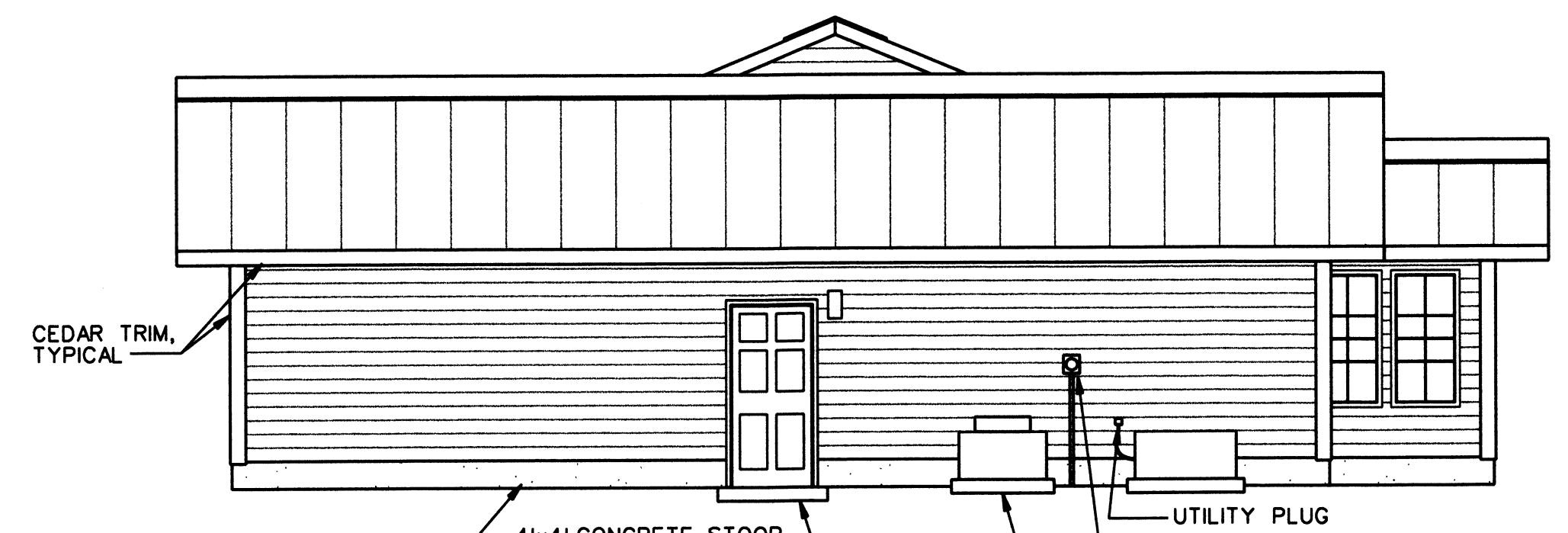
NO.	W/O	COMPUTER	REVISION ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: LRH_A24_NE0H.dgn						
Design	LP	UNITED STATES DEPARTMENT OF ENERGY <b>BONNEVILLE POWER ADMINISTRATION</b> HEADQUARTERS, PORTLAND, OREGON				
Drawn	SLS	<b>NORTHEAST OREGON HATCHERY PROGRAM</b> <b>LOST RIVER HATCHERY</b>				
Chkd	EED	<b>RESIDENCE FLOOR PLAN</b>				
Sub						
Rec						
Rec						
Appr						
Date	04/10/06	SERIAL	SOURCE	SHEET NO.	SHEET	REVISION
				<b>A24</b>	OF	



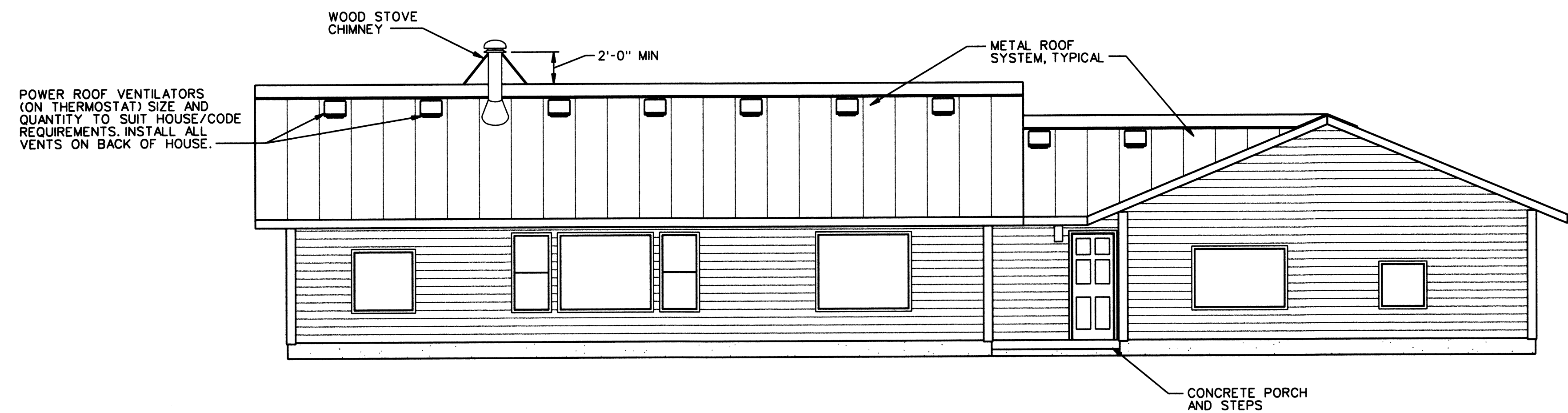
**FRONT ELEVATION** 1  
 0 4 8 16 FT  
 SCALE: 3/16"=1'-0"



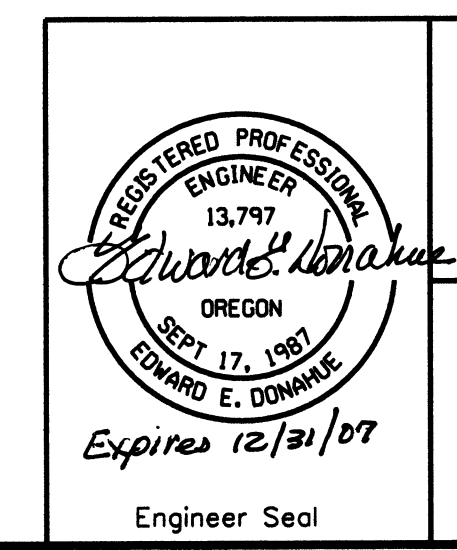
**LEFT ELEVATION** 2  
 0 4 8 16 FT  
 SCALE: 3/16"=1'-0"



**RIGHT ELEVATION** 3  
 0 4 8 16 FT  
 SCALE: 3/16"=1'-0"



**REAR ELEVATION** 4  
 0 4 8 16 FT  
 SCALE: 3/16"=1'-0"



NO.	W/O	COMPUTER	REVISION ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: LRH_A25_NEOH.dgn						
UNITED STATES DEPARTMENT OF ENERGY <b>BONNEVILLE POWER ADMINISTRATION</b> HEADQUARTERS, PORTLAND, OREGON						
<b>NORTHEAST OREGON HATCHERY PROGRAM</b> LOSTINE RIVER HATCHERY						
<b>RESIDENCE ELEVATIONS</b>						
Design	LP					
Drawn	SLS					
Chkd	EED					
Sub						
Rec						
Rec						
Appr						
Date	04/10/06					
SERIAL	SOURCE	SHEET NO.	SHEET	OF	REVISION	
		A25				

GENERAL

1. THE RESIDENCE REQUIREMENTS SET FORTH HERE ARE NOT LIMITING. IT SHALL BE THE CONTRACTOR AND OR SUPPLIERS RESPONSIBILITY TO PROVIDE A COMPLETE, LIVABLE, ENERGY EFFICIENT HOME THAT MEETS AND OR EXCEEDS ALL APPLICABLE NATIONAL, STATE AND LOCAL BUILDING, ELECTRICAL, MECHANICAL, PLUMBING AND ENERGY CODES.
2. THE CONTRACTOR SHALL FURNISH THE OWNER WITH ONE (1) COMPLETE SET OF REPRODUCIBLE DRAWINGS (CONSTRUCTION PERMIT SET) FOR EACH RESIDENCE CONSTRUCTED.
3. CONTRACTOR SHALL PROVIDE SUBMITTALS FOR CONSTRUCTION DRAWINGS, MATERIALS OF CONSTRUCTION, INTERIOR AND EXTERIOR FINISHES, APPLIANCES, FIXTURES, CABINETS, WOOD STOVE AND OTHER ITEMS NOT LISTED HERE BUT FURNISHED.
4. CONTRACTOR SHALL FURNISH ALL SLABS, WALKS, PORCHES AND STEPS LISTED HERE OR SHOWN ON THE DRAWINGS.
5. CONTRACTOR SHALL FURNISH CONCRETE PORCHES AND STEPS TO FRONT AND REAR DOORS. FRONT PORCH SHALL BE NOMINAL 6' X 10' WITH MAXIMUM 6.5" HIGH STEP RISERS CONSTRUCTED TO MEET APPLICABLE CODES. REAR PORCH SHALL BE NOMINAL 4' X 8' WITH MAXIMUM 6.5" HIGH STEP RISERS CONSTRUCTED TO MEET APPLICABLE CODES. GARAGE MAN DOOR SHALL BE FURNISHED WITH NOMINAL 4'x4'x6" DEEP CONCRETE STOOP. CONTRACTOR SHALL ALSO FURNISH A 4'-8" WIDE X 4" DEEP WALKWAY FROM FRONT PORCH TO DRIVEWAY SLAB (SEE DRAWINGS). CONTRACTOR SHALL FURNISH A 26" WIDE X 24" LONG X 4" DEEP GARAGE SLAB WITH 12" DEEP THICKEND PERIMETER.
6. LAWN AREAS SHOWN SHALL BE HYDROSEEDDED WITH A RESIDENTIAL LAWN MIX AND WATERED AS REQUIRED TO ESTABLISH.

CONCRETE

1. ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
2. FOUNDATION WALLS SHALL BE A MINIMUM 8" THICK REINFORCED CONCRETE.
3. PERIMETER AND PIER FOOTINGS SHALL BE A MINIMUM 10" THICK REINFORCED CONCRETE.
4. PROVIDE FOUNDATION VENTS AS REQUIRED BY APPLICABLE CODES.
5. PROVIDE 4" THICK REINFORCED CONCRETE GARAGE FLOOR SLAB.
6. PORCHES, SLABS AND WALKS SHALL BE REINFORCED WITH A MINIMUM OF GRADE 40 #4 REINFORCING BARS AT 18" ON CENTER EACH WAY.
7. CONTRACTOR SHALL PROVIDE BLACK POLY VAPOR BARRIER UNDER GARAGE FLOOR SLAB AND ANCHORED OVER THE CRAWL SPACE FLOOR.
8. THE GARAGE CONCRETE FLOOR AND ALL EXTERIOR CONCRETE PORCHES, STEPS AND WALKS SHALL RECEIVE AN APPLICATION OF CONCRETE SEALER/HARDENER.
9. GARAGE FLOOR SHALL RECEIVE A HARD TROWEL FINISH AND EXTERIOR CONCRETE WALKING SURFACES SHALL RECEIVE A LIGHT BROOM FINISH.
10. PROVIDE A ZIP-STRIP CONSTRUCTION JOINT DOWN THE CENTER OF THE INTERIOR AND EXTERIOR GARAGE SLABS.
11. FILL AND SEAL ALL CONSTRUCTION FORM HOLES AND EXPOSED POCKETS TO MATCH CONCRETE COLOR.
12. PROVIDE A 10'x16'x4" REINFORCED CONCRETE PATIO SLAB WITH EXPOSED AGGREGATE FINISH AND THICKENED (8") PERIMETER IN REAR YARD OF EACH RESIDENCE.

ROOFING SYSTEM

1. FURNISH ENGINEERED TRUSSES AT 24" ON CENTER.
2. PROVIDE A MINIMUM OF 5/8" PLYWOOD ROOF SHEATHING RATED 24" ON CENTER WITH PLY-CLIPS OR FULLY BLOCKED EDGES.
3. PROVIDE A STANDING SEAM METAL ROOFING SYSTEM WITH ALL TRIM, CLOSURES, FLASHING, CAPS, HARDWARE, FASTENERS AND SEALANT FOR A COMPLETE, WATERPROOF ROOF. PANELS AND ACCESSORIES SHALL BE A MINIMUM OF 22 GAUGE STEEL WITH A KYNAR 500 FINISH OVER GALVALUME SUBSTRATE. ALL MATERIALS, FASTENERS, FINISH, PANEL WIDTH AND COLOR (GREEN) SHALL MATCH THE HATCHERY BUILDING ROOF SYSTEM.
4. STANDING SEAM METAL ROOFING SYSTEM SHALL BE INSTALLED OVER A MINIMUM OF 30" ROOFING FELT.
5. PROVIDE A MINIMUM GABLE OVERHANG OF 16" AND A MINIMUM EAVE OVERHANG OF 24".
6. VAULTED CEILING SHALL BE DESIGNED INTO THE ROOF TRUSS SYSTEM FOR THE GREAT ROOM, MEDIA ROOM AND MASTER SUITE.

FLOORS

1. PROVIDE MINIMUM 9.1/2" MANUFACTURED I-JOISTS AT 19.2" ON CENTER, HUNG FROM FOUNDATION (DESIGN TO MEET APPLICABLE CODES).
2. PROVIDE 3/4" TONGUE AND GROOVE PLYWOOD SUB-FLOOR, GLUED AND NAILED.

FRAMING

1. EXTERIOR WALLS SHALL BE CONSTRUCTED OF 2x6 HEM-FIR STUDS AT 16" ON CENTER. PROVIDE #2 HEM-FIR TOP AND BOTTOM PLATES.
2. ENTIRE HOUSE SHALL RECEIVE A VAPOR BARRIER HOUSE WRAP SUITABLE FOR LOCAL CLIMATE.
3. EXTERIOR SIDING SHALL BE NOMINAL 6" TIGHT KNOT (BACK-PRIMED) CEDAR LAP SIDING WITH 15# BUILDING FELT OVER 1/8" OSB SHEATHING.
4. INTERIOR WALLS SHALL BE MINIMUM #2 HEM-FIR 2x4 STUDS AT 16" ON CENTER WITH #2 HEM-FIR TOP AND BOTTOM PLATES.
5. ALL LUMBER SHALL BE FURNISHED/FINISHED DRY.

EXTERIOR TRIM

1. BARGE BOARDS AND CORNER TRIM SHALL BE TIGHT KNOT CEDAR BOARDS FINISHED SMOOTH.
2. BARGE TRIM SHALL BE 2x6 CEDAR WITH 1x3 CEDAR FINISH TRIM TYPICAL.
3. CORNER TRIM SHALL BE 1x4 CEDAR BOARDS.
4. PROVIDE CONTINUOUS METAL GUTTER SYSTEM TO MATCH ROOFING SYSTEM WITH DOWNSPOUT LOCATIONS TO SUIT HOUSE LAYOUT AND LOCAL CLIMATIC CONDITIONS.

WINDOWS AND DOORS

1. PROVIDE WHITE MILGARD CLASSIC SERIES WHITE VINYL DOUBLE GLAZED LOW-E VINYL WINDOWS.
2. PROVIDE INSULATED STEEL EXTERIOR DOORS WITH COMPRESSION TYPE WEATHER STRIPPING TYPICAL. ALL DOOR, LITES AND SIDE LITES SHALL BE DOUBLE GLAZED LOW-E GLASS.
3. PROVIDE HOLLOW-CORE INTERIOR DOORS WITH EMBOSSED OAK FINISH AND MATCHING DOOR TRIM AND CASING.
4. DOOR BETWEEN HOUSE AND GARAGE SHALL BE SOLID CORE OAK WITH WEATHER STRIPPING.
5. GARAGE DOOR SHALL BE OVERHEAD DOOR MODEL 290 SERIES, WHITE WITH "OVERDRIVE" 1/2 HP ELECTRIC DOOR OPENER. PROVIDE WALL MOUNTED DIGITAL WIRELESS KEYPAD AND TWO (2) MINIREMOTE CONTROLLERS.

WALLBOARD

1. WALLS SHALL RECEIVE 1/2" GYPSUM NAILED AND SCREWED.
2. CEILINGS SHALL RECEIVE 1/2" REINFORCED GYPSUM.
3. FINISH ALL SURFACES SHALL RECEIVE A LIGHT TEXTURE AND PVA PRIMED FOR VAPOR BARRIER.

INTERIOR, MILLWORK, FINISH

1. BETTER QUALITY OAK CABINETS SHALL BE PROVIDED THROUGHOUT.
2. COUNTERS SHALL BE FINISHED WITH HIGH PRESSURE LAMINATE TOPS WITH OAK BACKSPLASH. COLORS TO BE SELECTED BY OWNER.
3. PROVIDE OAK TRIM THROUGHOUT.
4. PROVIDE A BETTER QUALITY VINYL FLOORING OVER 1/2" PLYWOOD UNDERLAYMENT IN UTILITY ROOM, BATHROOMS, KITCHEN AND FOYER.
5. PROVIDE BETTER QUALITY CARPET AND PAD OVER 1/2" PARTICLE BOARD UNDERLAYMENT IN ALL OTHER AREAS.

INSULATION

1. CEILINGS (FLAT AND VAULTED) SHALL BE INSULATED TO A MINIMUM OF R-38.
2. WALLS SHALL BE INSULATED TO A MINIMUM OF R-21.
3. FLOORS SHALL BE INSULATED TO A MINIMUM OF R-30.
4. PROVIDE CARDBOARD BAFFLES BETWEEN EACH TRUSS TO PREVENT BLOCKAGE OF VENT PASSAGE BY INSULATION.

HVAC

1. PROVIDE A HEAT PUMP SYSTEM WITH BACKUP ELECTRICAL RESISTANCE HEATING TO MAINTAIN 72 DEGREES FAHRENHEIT INSIDE WITH AN OUTSIDE TEMPERATURE OF MINUS 20 DEGREES FAHRENHEIT. UNIT SHALL BE SIZED TO PROVIDE COOLING FROM 110 DEGREES FAHRENHEIT DOWN TO 68 DEGREES FAHRENHEIT.
2. THE HVAC SYSTEM SHALL BE DESIGNED, FURNISHED AND INSTALLED WITH INSULATED SUPPLY AND RETURN AIR DUCTS, SUPPLY REGISTERS AND RETURN AIR GRILLES.
3. HVAC UNIT SHALL BE CONTROLLED BY A CENTRALLY LOCATED THERMOSTAT.
4. HAVAC UNIT SHALL BE CAPABLE OF RUNNING INDEPENDENT FROM HEATING/COOLING DEMAND AND SHALL BE CONTROLLED AT THE THERMOSTAT.
5. THERMOSTAT SHALL BE DIGITAL WITH A MINIMUM OF 4 SETPOINTS DAILY.
6. UTILITY ROOM AND BATHROOMS SHALL BE FURNISHED WITH MULTI-SPEED FAN UNITS SIZED TO EXCEED CODE REQUIREMENTS.
7. HOUSE HVAC SYSTEM DESIGN SHALL MEET ALL CODE REQUIREMENTS.

APPLIANCES / EQUIPMENT

1. RESIDENCES SHALL BE FURNISHED WITH THE FOLLOWING EQUIPMENT/APPLIANCES.
  - A. PROVIDE GE 21.7 CU. FT. REFRIGERATOR WITH TOP-FREEZER, INTERNAL DISPENSER AND ICEMAKER MODEL NO. GTS22KHPWW. DIMENSIONS ARE 32.88 INCHES WIDE X 33.62 INCHES DEEP X 67.50 INCHES HIGH.
  - B. PROVIDE GE "ADORA" 30" FREE-STANDING ELECTRIC RANGE, MODEL NO. JBP83TKWW. DIMENSIONS ARE 27.75" DEEP X 29.88" WIDE X 46.88" HIGH.
  - C. PROVIDE GE "SPACEMAKER" OVER-THE-RANGE MICROWAVE OVEN MODEL NO. JVM1640WJ. DIMENSIONS ARE 15.62" DEEP X 29.88" WIDE X 16.19" HIGH. UNIT SHALL BE INSTALLED DUCTED TO OUTSIDE.
  - D. PROVIDE BUILT IN GE "PROFILE" DISHWASHER WITH DOUBLE RACK AND STAINLESS STEEL TUB. DIMENSIONS ARE 24" WIDE X 25.25" DEEP X 34" HIGH.
  - E. BLAZE KING MODEL KING 1107 WOOD STOVE COMPLETE WITH METAL CHIMNEY SYSTEM INSTALLED TO MEET ALL CODE REQUIREMENTS.
  - F. CONTRACTOR SHALL INSTALL A RAISED BRICK FLOOR AND BRICK WALL SURROUND FOR WOODSTOVE TO MEET CODE REQUIREMENTS FOR A CLOSE TO WALL INSTALLATION.
  - G. CONTRACTOR SHALL FURNISH OUTSIDE AIR CONNECTION TO WOOD STOVE UNIT PER MANUFACTURERS REQUIREMENTS.
  - H. PROVIDE A BACKUP GENERATOR SYSTEM (SEE ELECTRICAL).
  - I. PROVIDE DRYER VENT TO OUTSIDE WALL AT LOCATION SHOWN ON DRAWINGS.
  - J. PROVIDE A RUUD ENERGY MISER 65 GALLON WATER TANK UNIT SHALL BE STRAPPED TO WALL AT UPPER AND LOWER THIRD OF TANK PER CODE REQUIREMENTS AND FITTED WITH EXTERIOR INSULATION WRAP.

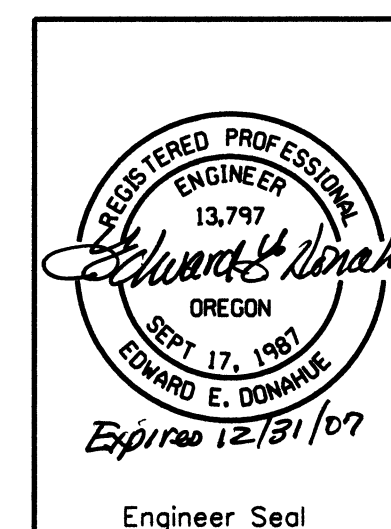
PLUMBING

1. ALL PLUMBING FIXTURES SHALL BE AMERICAN STANDARD IN WHITE COLOR.
2. MAIN BATH TO INCLUDE:
  - A. NOMINAL 5' x 30" x 84" ONE PIECE REINFORCED ACRYLIC BATH / SHOWER UNIT COMPLETE WITH CHROME FAUCETS, SHOWER CONTROLS AND DRAIN ASSEMBLY.
  - B. TOILET SHALL BE A TWO PIECE UNIT WITH ELONGATED JETTED BOWL AND MINIMUM 1.4 GALLON FLUSH.
  - C. SINK SHALL BE A CAST IRON SELF RIMMING UNIT WITH ELONGATED BOWL AND CHROME DUAL HANDLE FAUCET AND DRAIN ASSEMBLY.
3. UTILITY ROOM TO INCLUDE:
  - A. NOMINAL 24"x24"x11" DEEP BOWL FREE STANDING CAST IRON UTILITY SINK WITH CHROME DUAL HANDLE FAUCET AND DRAIN ASSEMBLY.
  - B. RECESSED HOT AND COLD WATER WASHER FAUCET CONNECTIONS AND WASHER DRAIN - AT CLOTHES WASHER LOCATION.
  - C. TOILET SHALL BE A TWO PIECE UNIT WITH ELONGATED JETTED BOWL AND MINIMUM 1.4 GALLON FLUSH.
4. MASTER BATH TO INCLUDE:
  - A. NOMINAL 5' x 36" REINFORCED ACRYLIC SOAKING TUB COMPLETE WITH CHROME FAUCETS AND DRAIN ASSEMBLY.
  - B. TOILET SHALL BE A TWO PIECE UNIT WITH ELONGATED JETTED BOWL AND MINIMUM 1.4 GALLON FLUSH.
  - C. SINKS (2) SHALL BE CAST IRON SELF RIMMING UNIT WITH ELONGATED BOWL AND CHROME DUAL HANDLE FAUCET AND DRAIN ASSEMBLY.
  - D. SHOWER SHALL BE NOMINAL 48" X 36" X 90" HIGH ONE PIECE REINFORCED ACRYLIC SHOWER UNIT COMPLETE WITH CHROME SHOWER CONTROLS AND DRAIN ASSEMBLY.
5. A COMPLETE SUPPLY AND DWV SYSTEM SHALL BE INSTALLED.
6. SUPPLY PIPING SHALL BE COPPER.
7. PROVIDE ONE (1) 3/4" NON-FREEZE HOSE BIB AT EACH SIDE OF THE HOUSE FOR A TOTAL OF FOUR (4) INSTALLED AT EACH RESIDENCE.
8. PROVIDE POTABLE WATER CURB STOP SHUTOFF IN PRECAST CONCRETE VALVE BOX AT EACH RESIDENCE.
9. DRAIN SYSTEMS CONNECTS TO SEPTIC SYSTEM. COORDINATE PIPING TO SEPTIC SYSTEM LOCATION. SEE DRAWINGS AND SPECIFICATIONS FOR SEPTIC SYSTEM REQUIREMENTS.

ELECTRICAL

1. PROVIDE A 200 AMP 120/240 VOLT SINGLE PHASE SERVICE AND PANEL WITH MAIN BREAKERS, CIRCUIT BREAKERS AND TRANSFER SWITCH IN EACH RESIDENCE AS REQUIRED PER PLANS.
2. PROVIDE 12 KW 120/240 VOLT STANDBY MOBILE DIESEL GENERATOR, POWER CABLE, CONNECTOR, 50A NEMA 14-50 PLUG AND MANUAL TRANSFER SWITCH.
3. ALL ROOMS SHALL BE FURNISHED WITH PERMANENTLY MOUNTED, SWITCHABLE LIGHT FIXTURES.
4. THE GREAT ROOM, MEDIA ROOM AND MASTER SUITE SHALL BE FURNISHED WITH CEILING MOUNTED LIGHT/ RECIRCULATING FAN UNITS.
5. THE GREAT ROOM, MEDIA ROOM AND BEDROOMS WILL EACH BE FURNISHED WITH ONE SWITCHABLE OUTLET RECPACLE.
6. OUTSIDE FIXTURES SHALL BE WALL LANTERNS FITTED FOR (1) 26 WATT FLUORESCENT BULB, WITH BALLAST RATED TO -20 DEGREES F.
7. BATH AND UTILITY ROOM LIGHTING SHALL BE ROUND, CLOSE TO CEILING FIXTURES IN WHITE FINISH WITH WHITE ACRYLIC DIFFUSER FITTED WITH FOUR (4) 13 WATT FLUORESCENT BULBS EACH.
8. ALL OTHER LIGHT FIXTURES SHALL BE SURFACE MOUNTED UNITS WITH (2) 75 WATT BULBS AND FROSTED GLOBES, EXCEPT WHERE ENERGY CODE DICTATES A LOWER WATTAGE.
9. PROVIDE A SINGLE TIER CHANDELIER WITH FIVE (5) 40 WATT BULBS IN THE DINING ROOM.
10. KITCHEN CAN LIGHTS SHALL BE WHITE FINISH COMPACT UNITS WITH 24 WATT FLUORESCENT BULBS, RATED FOR DIRECT CONTACT WITH INSULATION.
11. SMOKE DETECTORS SHALL BE 110V HARD WIRED WITH BATTERY BACKUP AND SHALL BE INTERCONNECTED. OWNER SHALL BE RESPONSIBLE FOR SMOKE DETECTORS IF A MONITOR FIRE SYSTEM REQUIRED.
12. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF PANEL AND METER WITH CONTRACTOR AND UTILITY.
13. ELECTRICAL CONTRACTOR SHALL PROVIDE HEAT-LOSS CALCULATIONS (OR) FOLLOW THE PERSPECTIVE PATH REQUIREMENTS FOR SIZING HEATING EQUIPMENT.
14. ELECTRICAL CONTRACTOR SHALL CONFIRM TO ALL LOCAL AND STATE CODES.

NO.	W/O	COMPUTER	REVISION	ONLY	BY	DATE	APPROVED
C-CONTRACT CONSTR., FA-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME:LRH_A28_NEOH.dgn							
Design	LP	UNITED STATES DEPARTMENT OF ENERGY <b>BONNEVILLE POWER ADMINISTRATION</b> HEADQUARTERS, PORTLAND, OREGON					
Drawn	SLS	<b>NORTHEAST OREGON HATCHERY PROGRAM</b> <b>LOSTINE RIVER HATCHERY</b>					
Chkd	EED	<b>RESIDENCE 1 &amp; 2</b> <b>MATERIAL SPECIFICATIONS</b>					
Sub		SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
Rec				A28	OF		
Rec							
Appr							
Date	04/10/06						



Engineer Seal