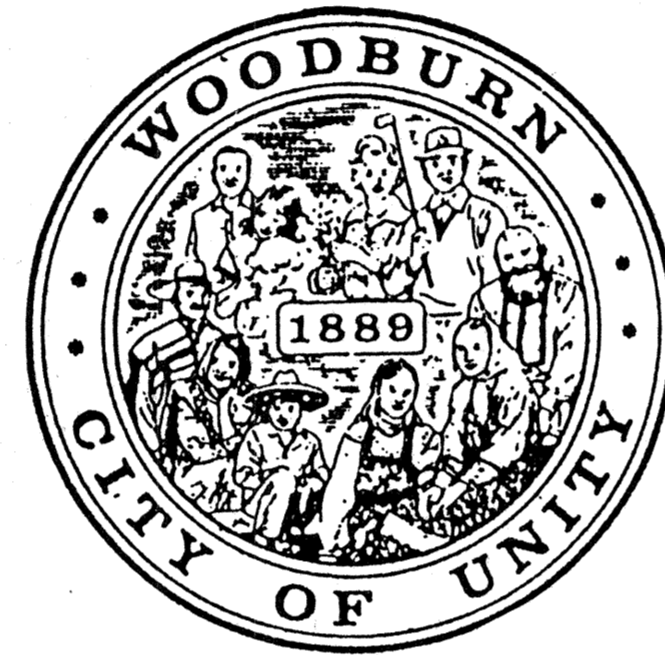


# SWIMMING POOL FOR THE CITY OF WOODBURN



*Handwritten notes:*  
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3341

Job no. 93-10
date 9-29-94
scale
drawn by
checked by
appr. by

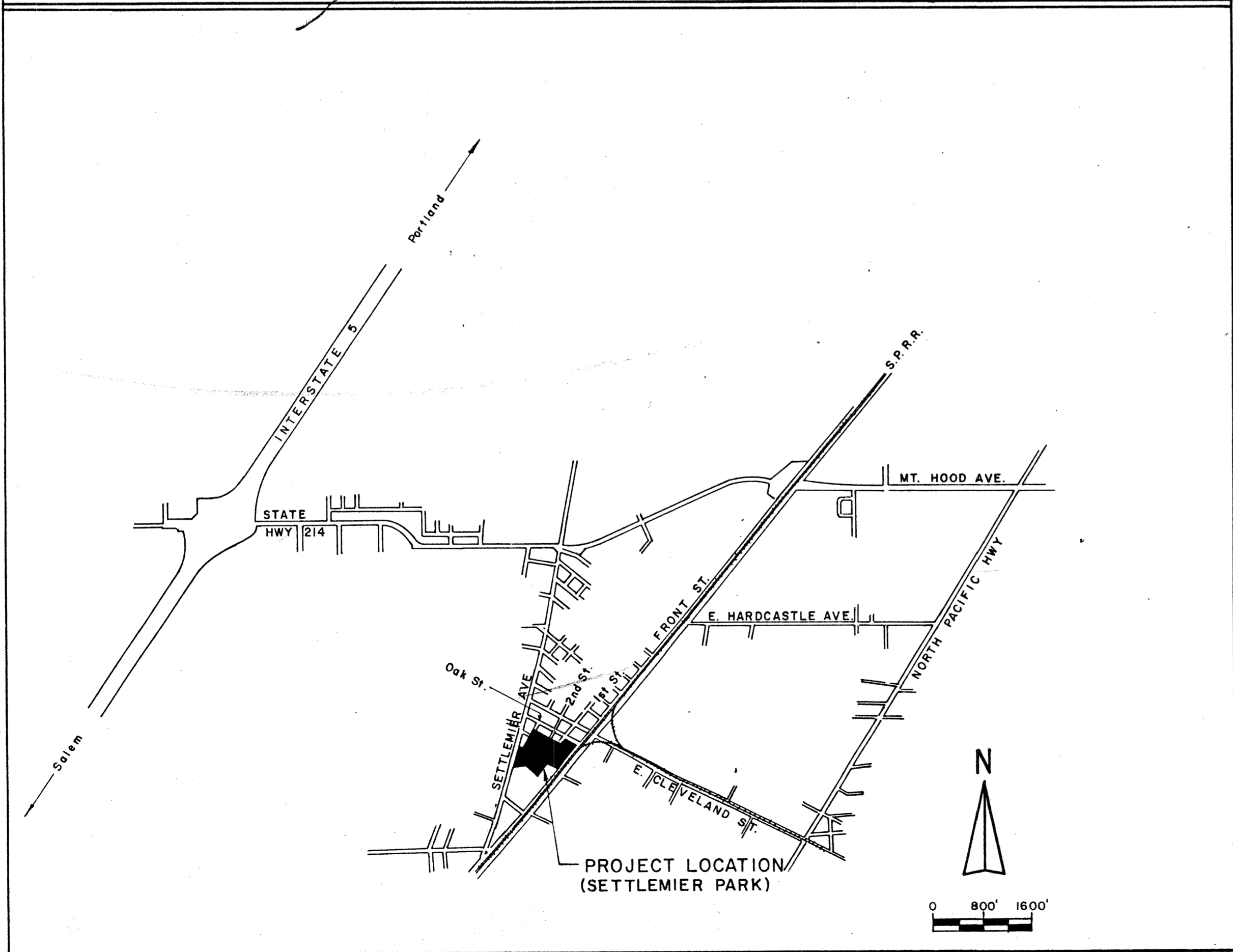
SWIMMING POOL  
FOR  
THE CITY OF WOODBURN

**LAWRENCE E. MATSON**  
ARCHITECT, A.I.A.

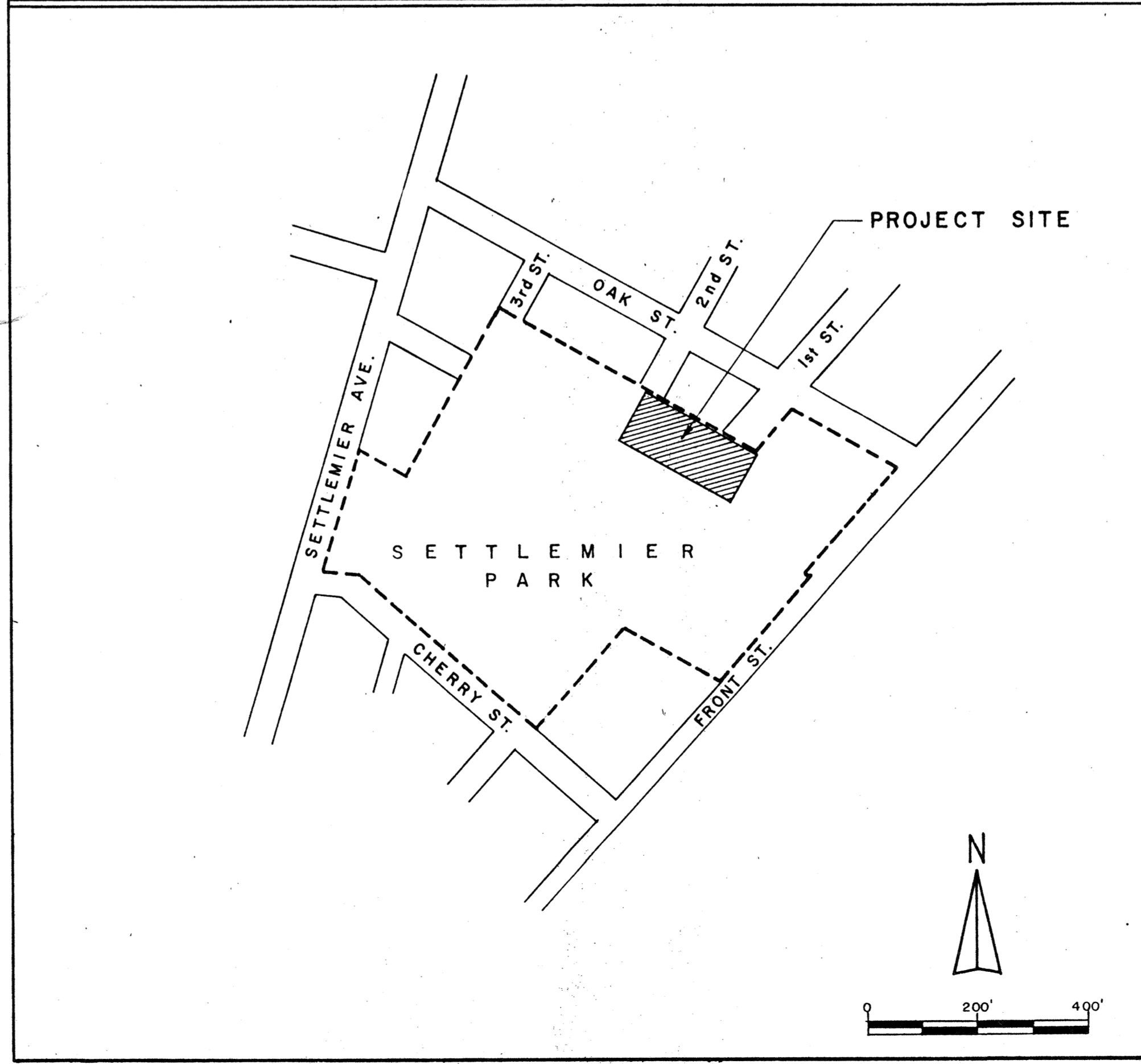
REGISTERED ARCHITECT  
LAWRENCE E. MATSON  
STATE OF OREGON

sheet  
T

VICINITY MAP



LOCATION PLAN



BUILDING DATA

<b>OCCUPANT LOAD:</b>		
POOL AREA - 6871 SQ. FT.		
6871/50	=	137
DECK AREA 6712 SQ. FT.		
6712/15	=	448
TOTAL OCCUPANT LOAD	=	585
<b>OCCUPANCY CLASSIFICATION:</b> A2.1		
<b>TYPE OF CONSTRUCTION:</b> V-1 HOUR		
<b>BASIC ALLOWABLE FLOOR AREA (UBC TABLE 5-C):</b> 10,500 SQ. FT.		
<b>ALLOWABLE INCREASE FOR OPEN SPACE 3 SIDES:</b>		
100%	=	10,500 SQ. FT.
<b>ADJUSTED ALLOWABLE FLOOR AREA:</b> 21,000 SQ. FT.		
<b>ACTUAL GROSS FLOOR AREA:</b> 20,599 SQ. FT.		
<b>FIRE RESISTIVE REQUIREMENTS (UBC TABLE 17-A):</b>		
EXTERIOR BEARING WALLS:		1 HR.
INTERIOR BEARING WALLS:		1 HR.
EXTERIOR NON-BEARING WALLS:		1 HR.
STRUCTURAL FRAME:		1 HR.
PARTITIONS - PERMANENT:		1 HR.
SHAFT ENCLOSURES:		1 HR.
FLOORS - CEILINGS/FLOORS:		1 HR.
ROOFS - CEILINGS/ROOFS:		1 HR.
(ROOF FRAMING SYSTEM IN POOL AREA MAY BE UN-PROTECTED AS PER UBC SEC. 602)		
EXTERIOR DOORS AND WINDOWS (UBC TABLE 5-A):		
3/4 HR. WHEN LESS THAN 10 FT. FROM PROPERTY LINE; NOT PERMITTED LESS THAN 5 FT. FROM PROPERTY LINE.		

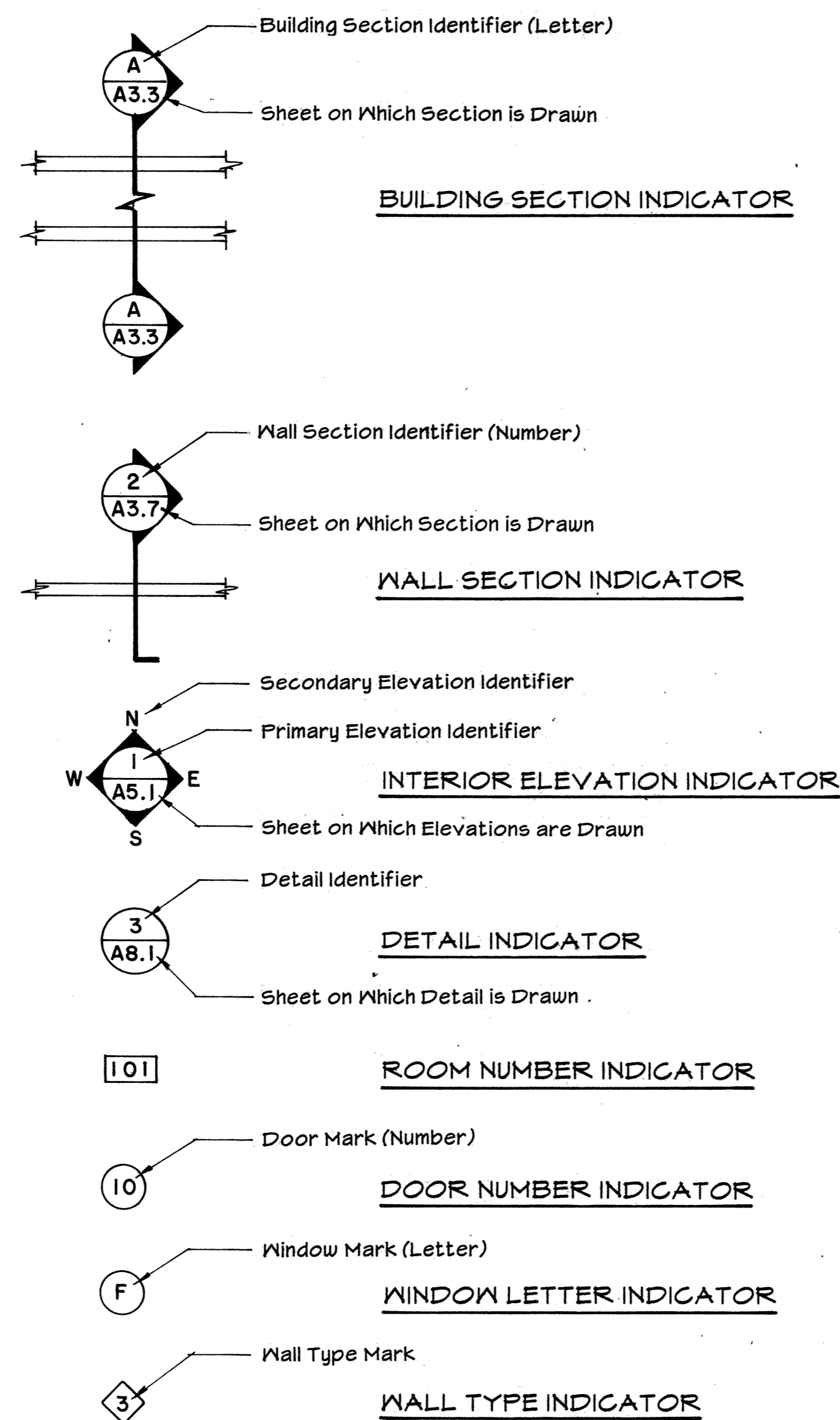
**Don Carey & Associates**  
Aquatic Design Consultants  
P.O. Box 40145 Bellevue, WA 98004 • 9441 N.E. 16th Bellevue, WA 98004 • (206) 462-6696

### ABBREVIATIONS

A.B.	Anchor Bolt(s)	INSUL.	Insulation
A.C.	Asphaltic Concrete	INT.	Interior
AD.J.	Adjustable	INV.	Invert
A.F.F.	Above Finish Floor	JNT.	Joint
A.L.	Aluminate Lining	LAM.	Laminated
ALT.	Alternate	LAV.	Lavatory
ALUM.	Aluminum	LOC.	Location
APPROX.	Approximately	MAS.	Masonry
ARCH.	Architectural	MATL.	Material
ASPH.	Asphalt	MAX.	Maximum
A.T.	Acoustical Tile	M.C.	Medicine Cabinet
B.D.	Board	M.D.S.	Metal Divider Strip
B.D.G.	Building	MECH.	Mechanical
BLK.	Block	MFR.	Manufacturer
BLKG.	Blocking	M.H.	Manhole
B.M.	Bench Mark	MIN.	Minimum
BM.	Beam	MISC.	Miscellaneous
BOT.	Bottom	M.O.	Masonry Opening
BRG.	Bearing	M.T.	Metal Threshold
CABT.	Cabinet	MTL.	Metal
C.B.	Catch Basin	N.I.C.	Not in Contract
CEM.	Cement	NO.	Number
C.I.	Cast Iron	NOM.	Nominal
C.I.P.	Cast-In-Place	N.T.S.	Not to Scale
C.J.	Control Joint	O.A.E.	Or Approved Equal
CL	Center Line	O.C.	On Center
CL.	Clear	O.D.	Outside Diameter
CLG.	Ceiling	OPNG.	Opening
C.M.P.	Corrugated Metal Pipe	OPP.	Opposite
C.M.U.	Concrete Masonry Unit(s)	P.B.	Peg Board
C.O.	Cleanout	P.C.	Portland Cement
COL.	Column	P.E.	Polyethylene
CONC.	Concrete	PL.	Plate
CONSTR.	Construction	PLAS.	Plaster
CONT.	Continuous	PLBG.	Plumbing
CONTR.	Contractor	PLTD.	Plated
C.P.	Cadmium Plated	PLY.	Plywood
CPBD.	Cupboard	PT.	Paint
C.T.	Ceramic Tile	PVC	Polyvinyl Chloride
DET.	Detail	Q.T.	Quarry Tile
D.F.	Drinking Fountain	R	Radius
DIA.	Diameter	R.A.	Return Air
DIM.	Dimension	R.D.	Roof Drain
DN.	Down	R.D.L.	Roof Drain Leader
DO.	Ditto	REINF.	Reinforced, Reinforcing
DR.	Door	REQD.	Required
D.S.	Downspout	R.M.	Room
DWG.	Drawing	R.O.	Rough Opening
EA.	Each	R.V.	Roof Ventilator
E.J.	Expansion Joint	S.C.	Solid Core
ELEC.	Electrical	SCH.	Schedule
EL.	Elevation	S.D.	Storm Drain
ELEV.	Elevation	SEC.	Section
EQUIP.	Equipment	SHT.	Sheet
E.N.	Each Way	SIM.	Similar
E.N.C.	Electric Water Cooler	S.M.	Sheet Metal
EXIST.	Existing	S.P.	Standpipe
EXP.	Expansion	SPEC.	Specifications
EXT.	Exterior	S.S.	Service Sink
F.A.	Fresh Air	S.S.	Sanitary Sewer
F.G.O.	Floor Cleanout	S.Stl.	Stainless Steel
F.D.	Floor Drain	STD.	Standard
FDN.	Foundation	STG.	Sheathing
F.E.	Floor Exhaust	STL.	Steel
FIN.	Finish	STR.	Storage
FL.	Floor	STRUC.	Structural
FTG.	Footing	SUSP.	Suspended
FX	Fire Extinguisher	T & B.	Top and Bottom
GA.	Gauge	T.B.	Tack Board
GALV.	Galvanized	TEMP.	Temperature
GEN.	General	T.O.	Top Of
G.I.	Galvanized Iron	T.S.	Tube Steel
GL.	Glass	TYP.	Typical
G.L.N.B.	Glued Laminated Wood Beam	V	Vent
G.S.	Galvanized Steel	VCT.	Vinyl Composition Tile
GR.	Grade	VERT.	Vertical
G.W.B.	Gypsum Wall Board	S.V.	Sheet Vinyl
GYP.	Gypsum	V.T.R.	Vent Through Roof
H & V.	Heating and Ventilating	W	Waste
H.B.	Hose Bibb	w/	With
H.C.	Hollow Core	W.C.	Water Closet
HD.	Head	W.C.O.	Wall Cleanout
HDR.	Header	WD.	Wood
HOR.	Horizontal	WDW.	Window
HT.	Height	WF	Wide Flange
ID.	Inside Diameter	w/o	Without
		WSCT	Wainscot
		W.W.F.	Welded Wire Fabric

∠	Angle	φ	Round or Diameter
L	Channel	⊙	At
#	Number		

### INDICATORS



### LEGEND

	EARTH		GRAVEL
	CONCRETE OR PLASTER - SURFACE		SAND
	CONCRETE - SECTION		ASPHALT PAVING
	CONCRETE MASONRY		WOOD - FINISH
	PLYWOOD		WOOD - ROUGH
	STEEL		WOOD - BLOCKING
	ACOUSTICAL TILE		BATT INSULATION
	GYPNUM BOARD		RIGID INSULATION
	CERAMIC OR QUARRY TILE		METAL STUDS

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**SWIMMING POOL FOR THE CITY OF WOODBURN WOODBURN, OREGON**

**LAWRENCE E. MATSON ARCHITECT, A.I.A.**  
 14042 NE 8TH STREET, SUITE 101  
 BELLEVUE, WASHINGTON 98007  
 PHONE (206) 746-9049 FAX (206) 746-9585

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SAW CUT THROUGH EXISTING PAVING, APPLY TACK COAT TO EDGE & APPLY NEW A.C. PAVING FLOSH W/ EXISTING

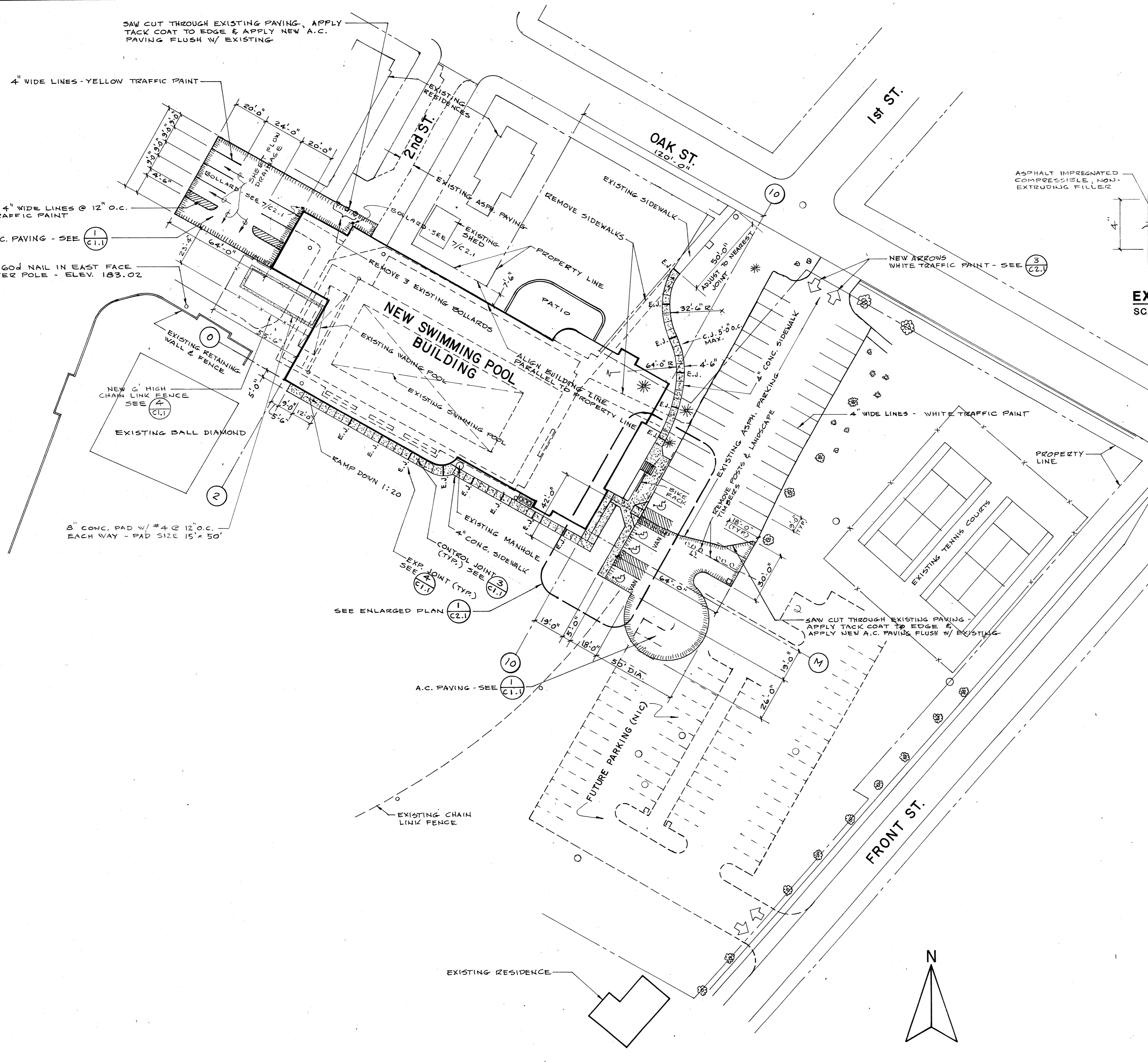
4" WIDE LINES - YELLOW TRAFFIC PAINT

HATCHING - 4" WIDE LINES @ 12" O.C. WHITE TRAFFIC PAINT

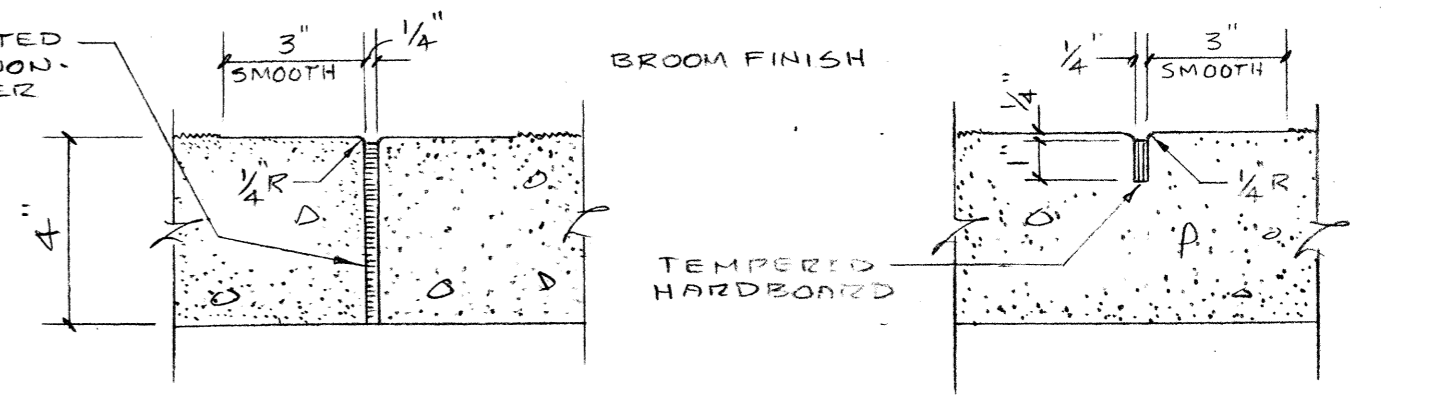
A.C. PAVING - SEE (C1.1)

T&M - 60# NAIL IN EAST FACE OF POWER POLE - ELEV. 163.02

8" CONC. PAD W/ #4 @ 12" O.C. EACH WAY - PAD SIZE 15' x 50'

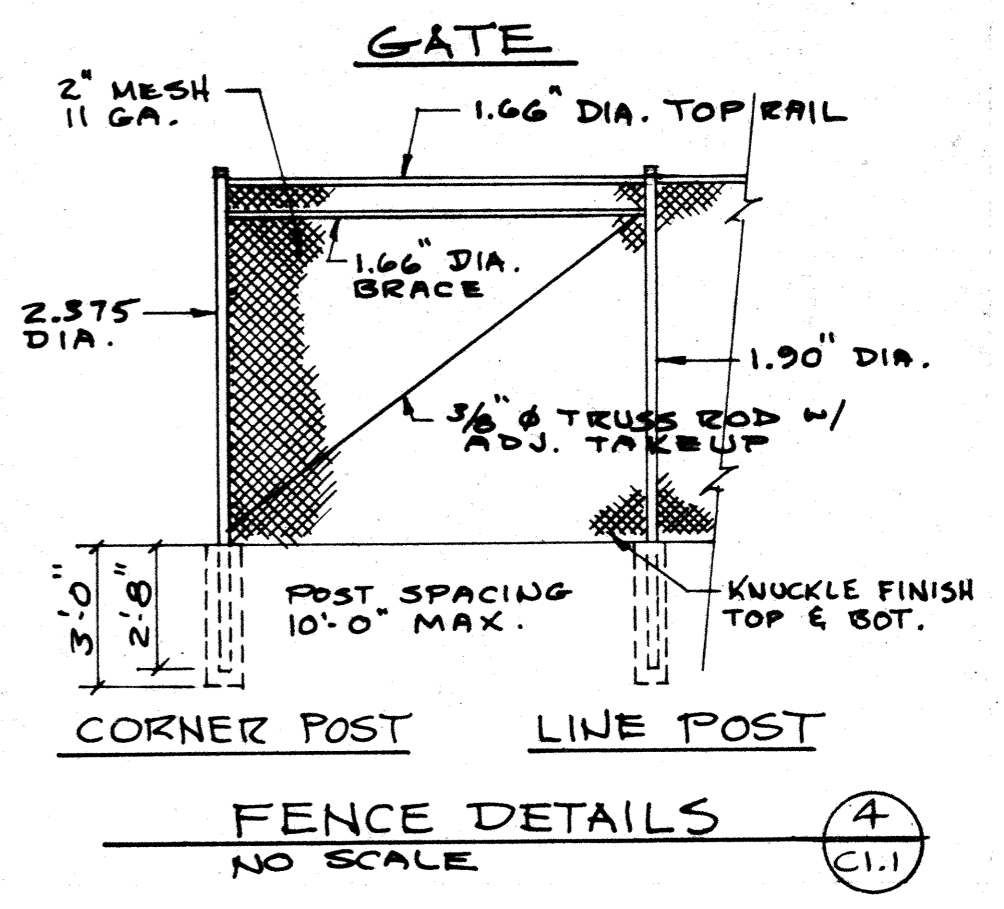
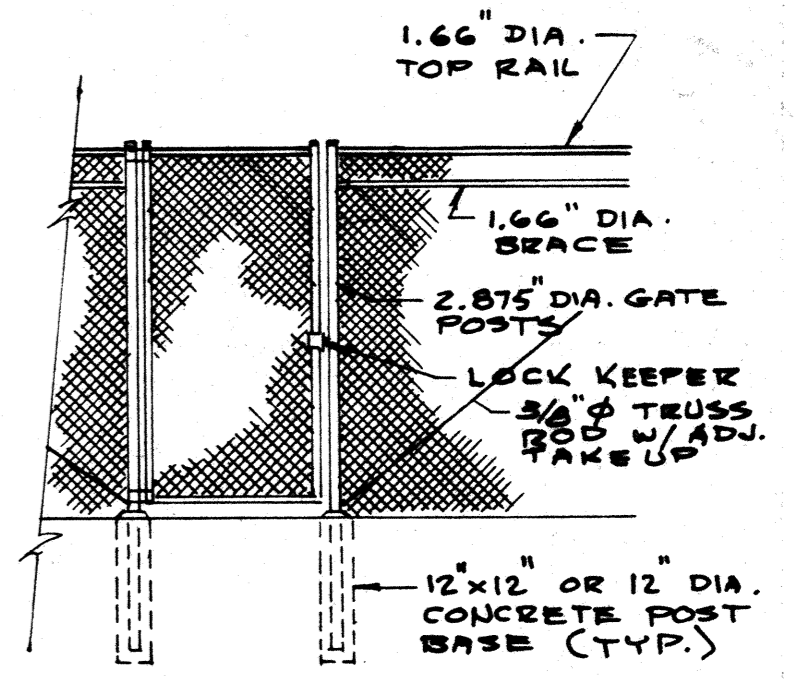


TYPICAL ASPHALT PAVING SECTION  
SCALE: 1" = 1' 0"



SIDEWALK EXPANSION JOINT  
SCALE: 3" = 1' 0"

SIDEWALK CONTROL JOINT  
SCALE: 3" = 1' 0"

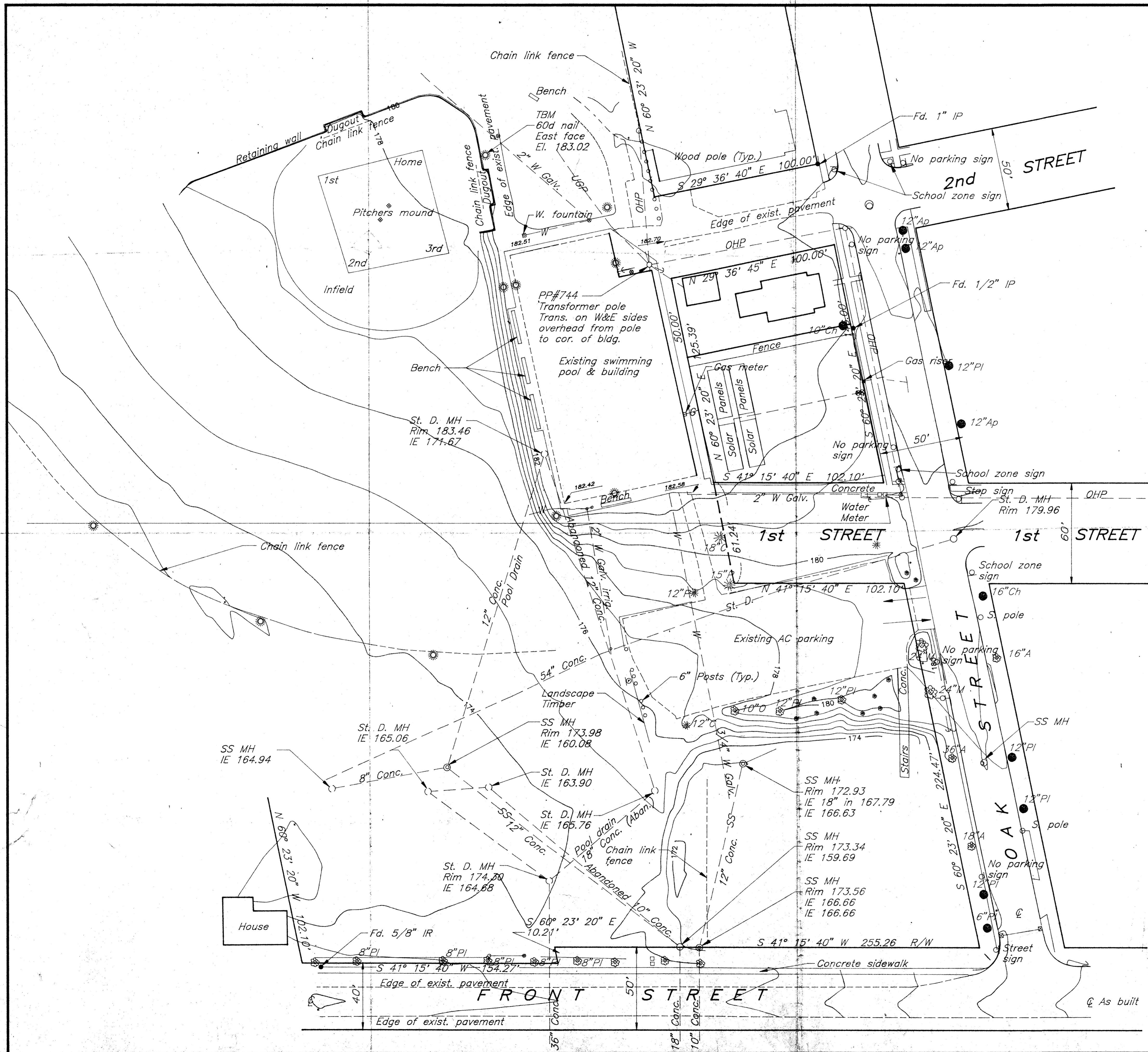


SITE PLAN  
SCALE: 1" = 30'

job no.	9310
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SWIMMING POOL  
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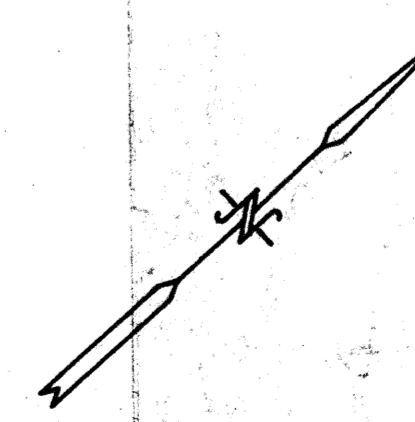
**LAWRENCE E. MATSON**  
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14042 NE 8TH STREET, SUITE 101  
BELLEVUE, WASHINGTON 98007  
PHONE (206) 748-9049 FAX (206) 748-8586



**LEGEND**

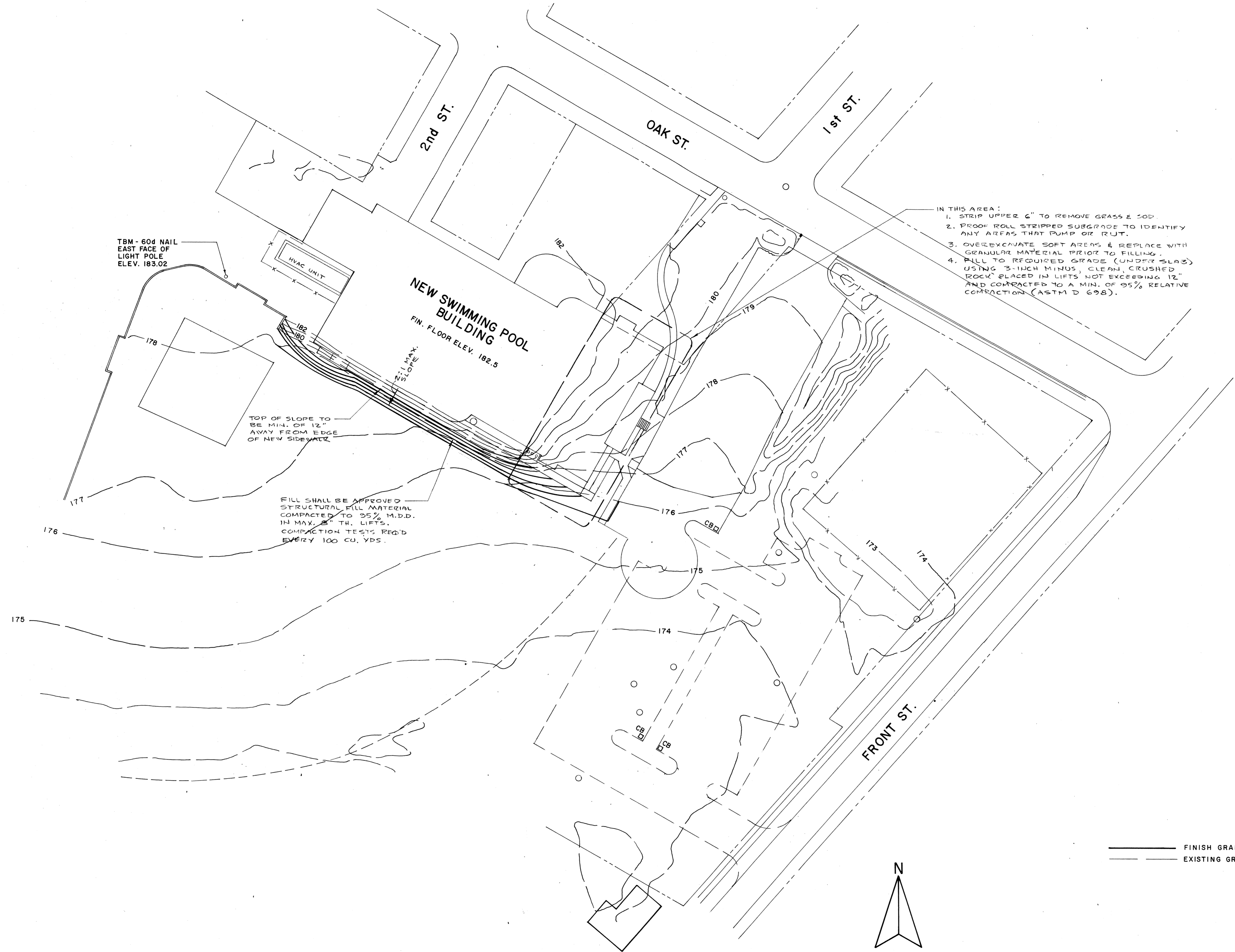
- Power Pole
- ⊠ Catch Basin
- Manhole
- Gas
- Water
- Telephone
- 12" St. D. Concrete Storm Pipe
- SS Sanitary Sewer
- Water Meter
- Fire Hydrant
- Valve
- Deciduous tree w/size and species
- ★ Evergreen tree w/size and species
- Ap Apple
- A Ash
- C Cedar
- Ch Cherry
- M Maple
- O Oak
- P Pine
- Pl Plum
- S Spruce
- Fd. monument as noted
- Set 5/8" x 30" iron rod with a yellow plastic cap stamped: "DEHAAS & ASSOC., INC."
- Light Pole
- Signs as noted

NOTE: Elevations are based on U.S.C. & G.S. sea level datum.



Scale: 1" = 30'

<p>Exp. 12/31/95</p> <p>REGISTERED PROFESSIONAL LAND SURVEYOR</p> <p><i>William Clark</i></p> <p>OREGON JULY 12, 1983</p> <p>WALCOLLE N. CLARK</p> <p>BSI</p>	<p>INC. DATE</p> <p>REVISIONS</p>
<p>Suite 300 - AGC Center 9450 S.W. Commerce Circle Wilsonville, Oregon 97070</p> <p><b>DE HAAS &amp; ASSOCIATES, Inc.</b> Consulting Engineers &amp; Surveyors</p> <p>953 682-2450 682-2451</p> <p>CHECKED: <i>MVC</i></p> <p>DESIGNED: <i>CAS</i></p> <p>DRAWN: <i>CAS</i></p>	<p>TOPOGRAPHIC SURVEY</p> <p><b>WOODBURN AQUATIC CENTER</b></p> <p>CITY of WOODBURN</p> <p>WOODBURN, OREGON</p>
<p>DATE: June 13, 1994</p> <p>FILE: 94.435.553</p> <p>SHEET</p>	



- IN THIS AREA:
1. STRIP UPPER 6" TO REMOVE GRASS & SOIL.
  2. PROOF ROLL STRIPPED SUBGRADE TO IDENTIFY ANY AREAS THAT PUMP OR RUT.
  3. OVEREXCAVATE SOFT AREAS & REPLACE WITH GRANULAR MATERIAL PRIOR TO FILLING.
  4. FILL TO REQUIRED GRADE (UNDER SLAB) USING 3-INCH MINUS, CLEAN, CRUSHED ROCK PLACED IN LIFTS NOT EXCEEDING 12" AND COMPACTED TO A MIN. OF 95% RELATIVE COMPACTION (ASTM D 698).

FILL SHALL BE APPROVED STRUCTURAL FILL MATERIAL COMPACTED TO 95% M.D.D. IN MAX. 8" TH. LIFTS. COMPACTION TESTS REQ'D EVERY 100 CU. YDS.

TOP OF SLOPE TO BE MIN. OF 12" AWAY FROM EDGE OF NEW SIDEWALK

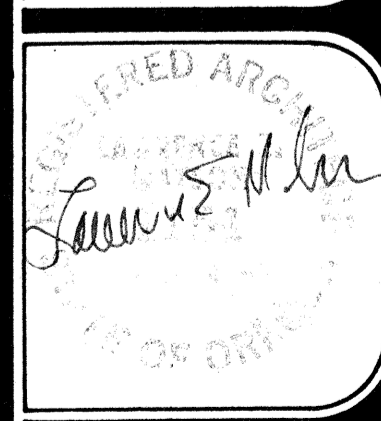
———— FINISH GRADE CONTOURS  
 - - - - - EXISTING GRADE CONTOURS

**SITE GRADING PLAN**  
 SCALE: 1" = 30'

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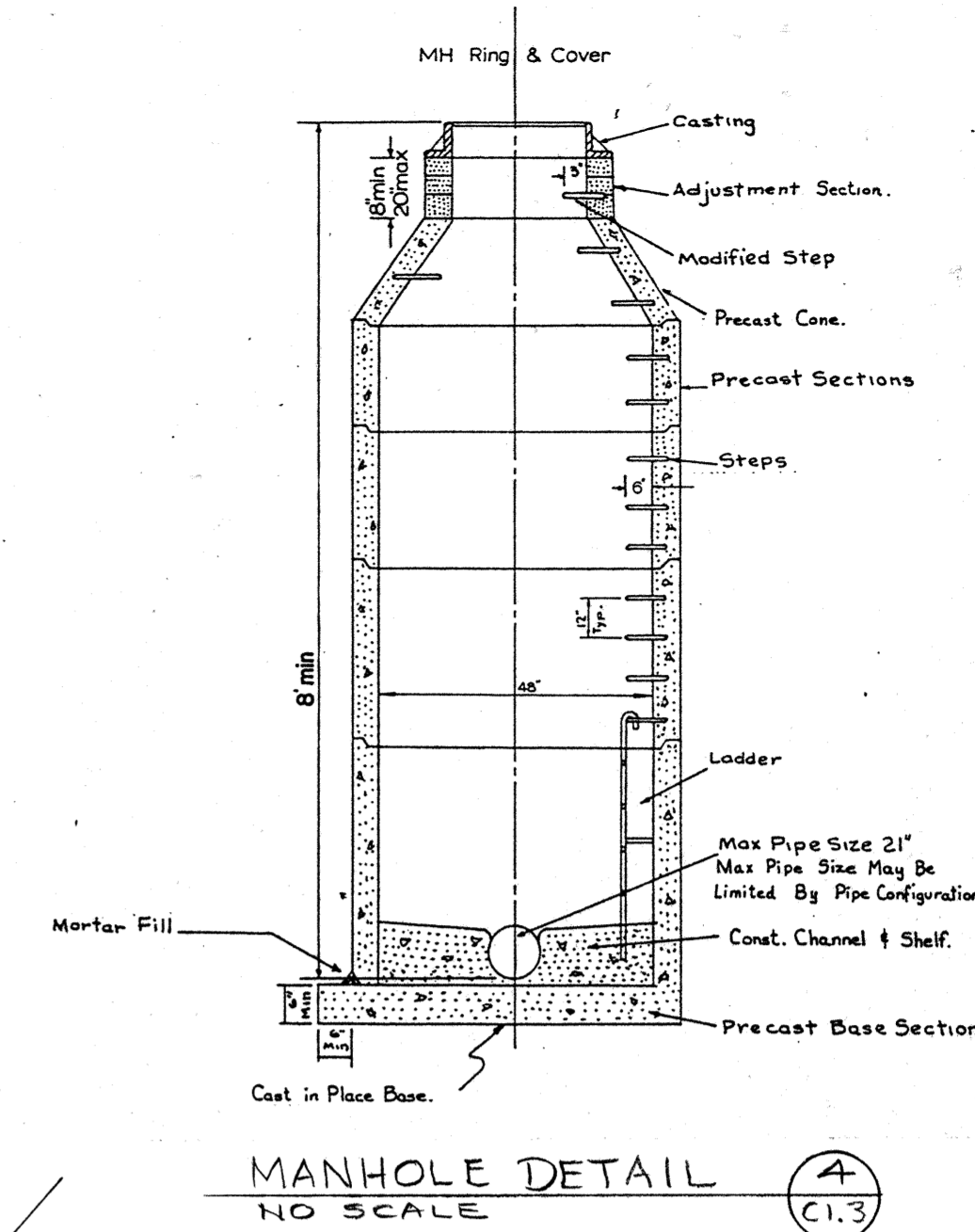
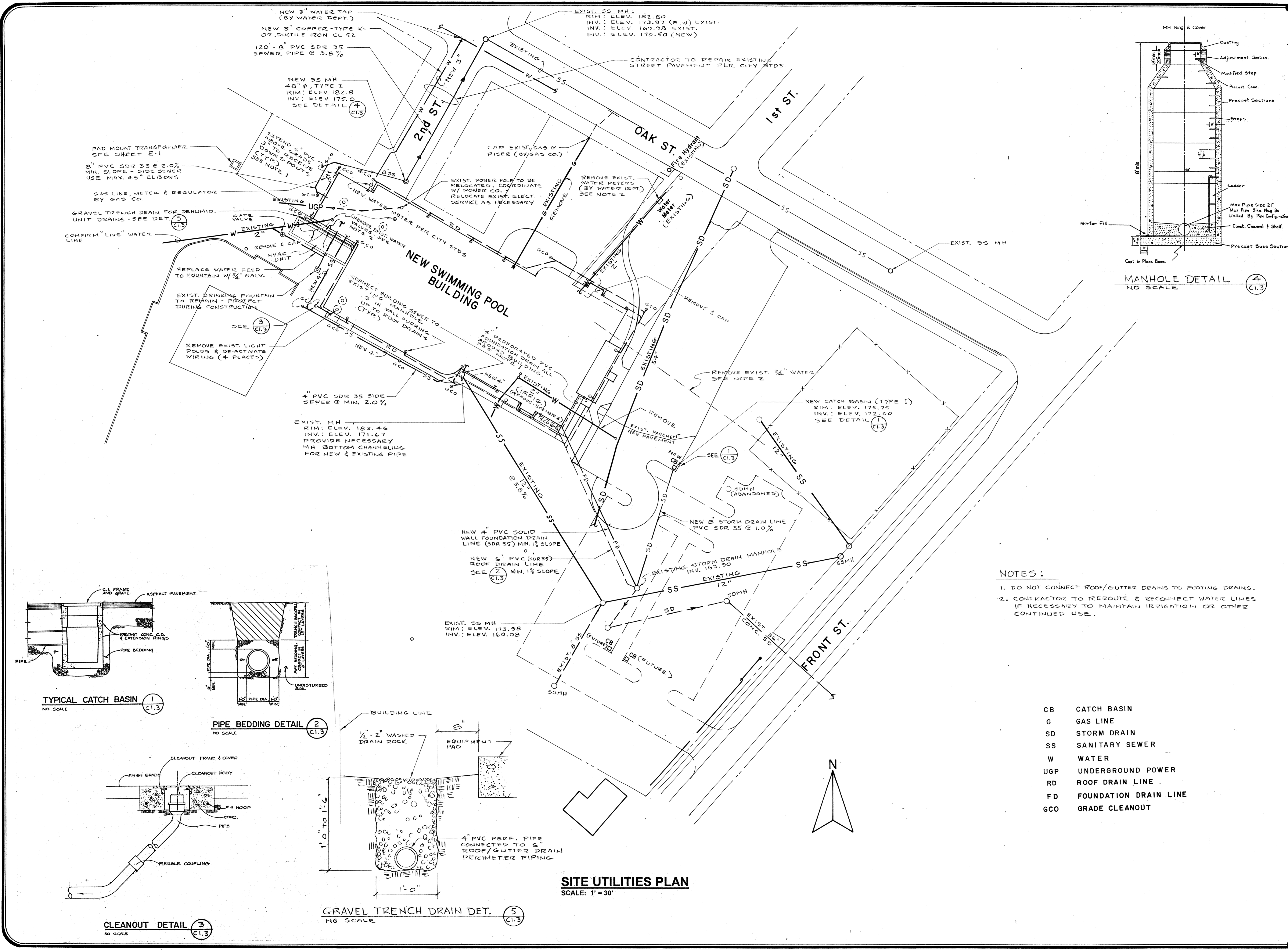
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sheet  
**C1.2**  
 OF 1.3

DATEPRINT 888971



**NOTES:**

- DO NOT CONNECT ROOF/GUTTER DRAINS TO FOOTING DRAINS.
- CONTRACTOR TO REROUTE & RECONNECT WATER LINES IF NECESSARY TO MAINTAIN IRRIGATION OR OTHER CONTINUED USE.

- CB CATCH BASIN
- G GAS LINE
- SD STORM DRAIN
- SS SANITARY SEWER
- W WATER
- UGP UNDERGROUND POWER
- RD ROOF DRAIN LINE
- FD FOUNDATION DRAIN LINE
- GCO GRADE CLEANOUT

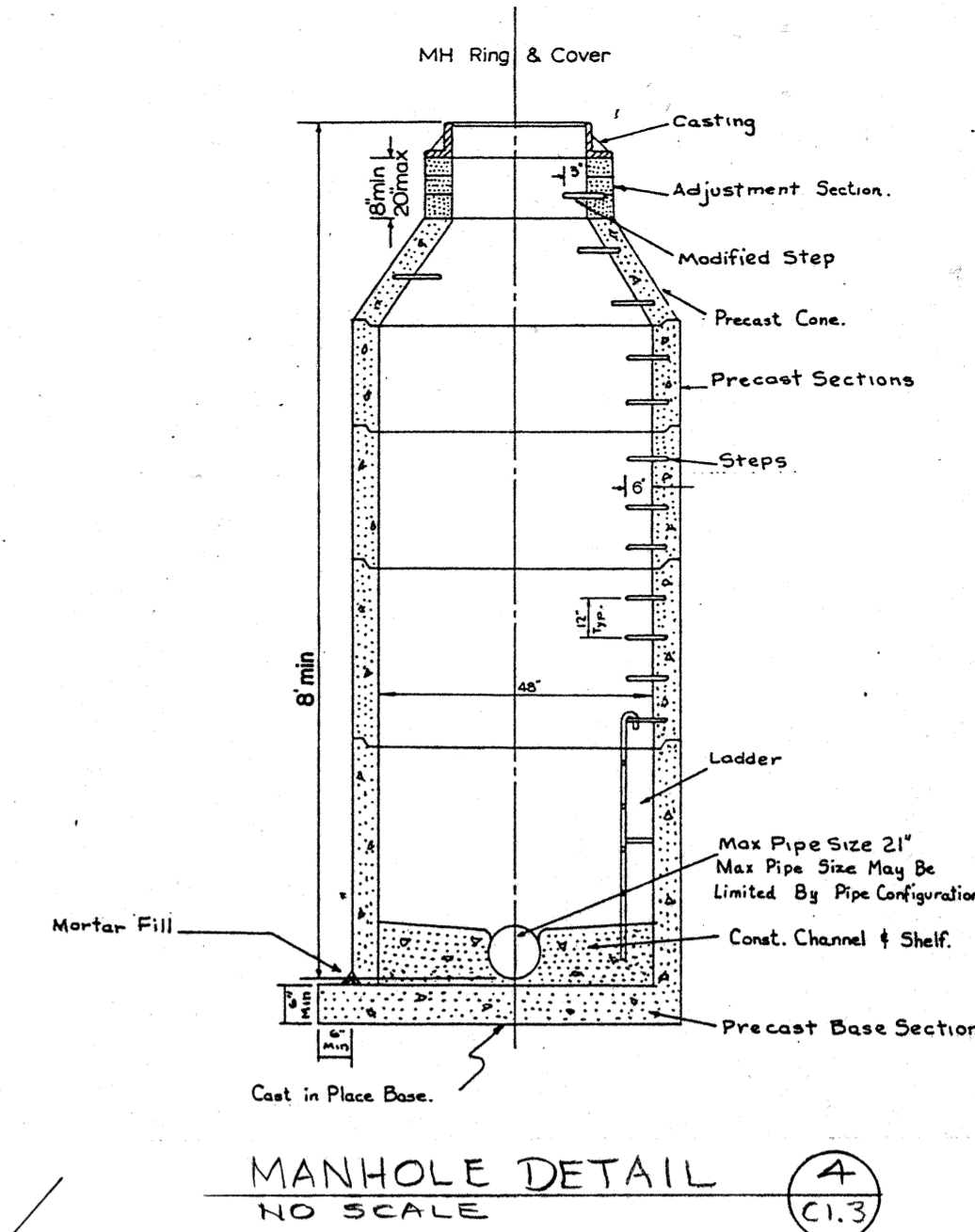
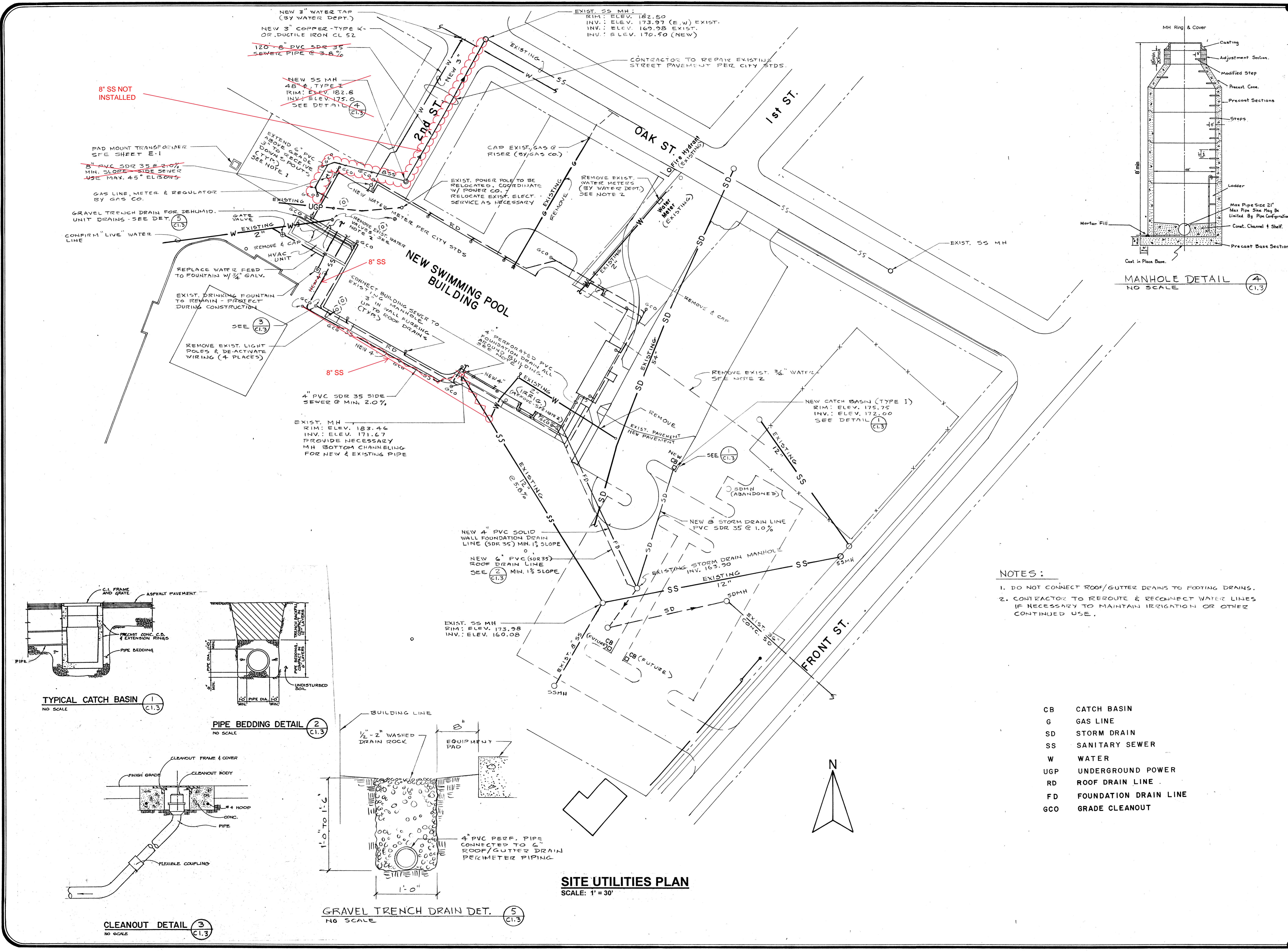
**SITE UTILITIES PLAN**  
SCALE: 1" = 30'

Job no.	93-10
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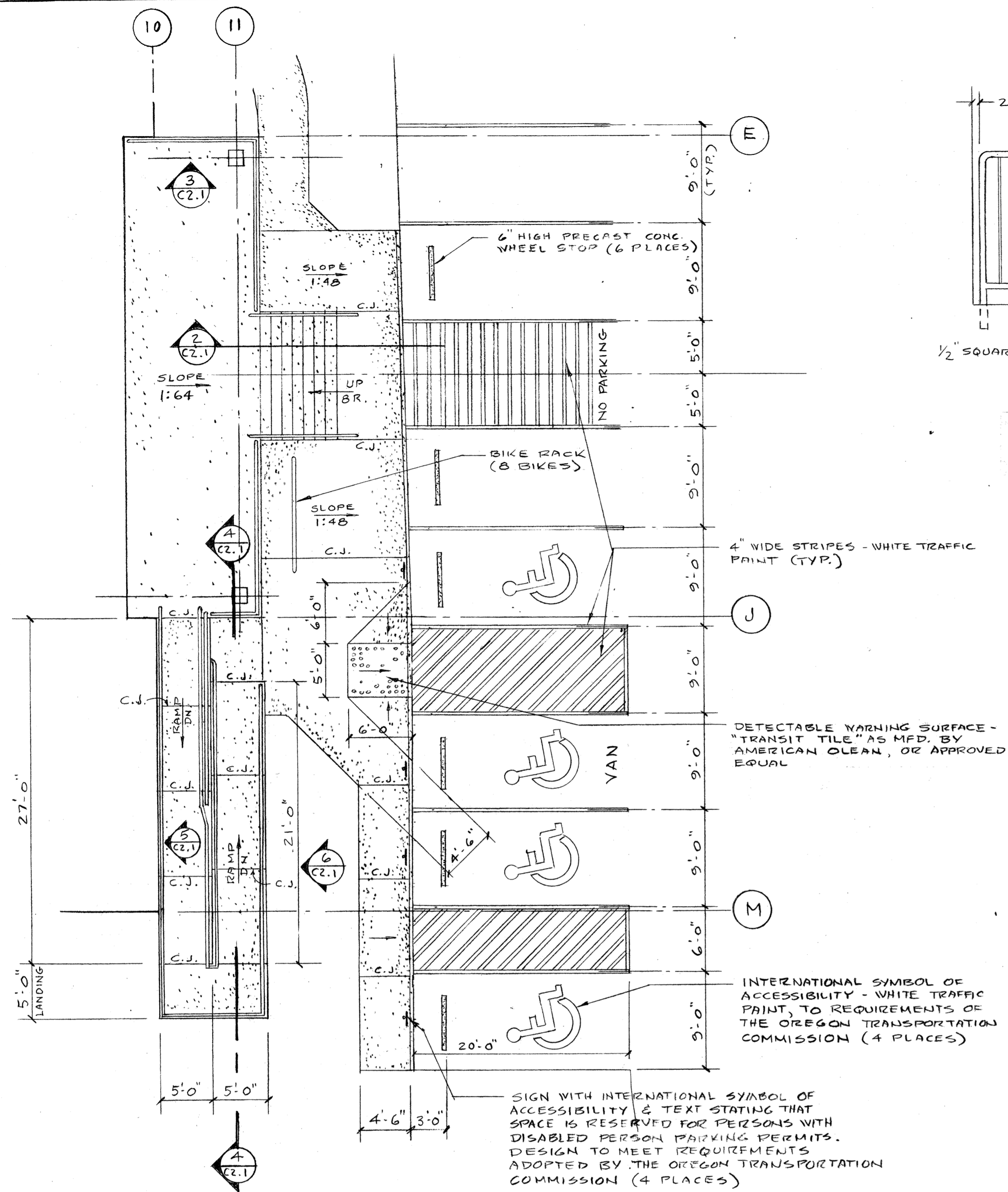
**SITE UTILITIES PLAN**  
SCALE: 1" = 30'

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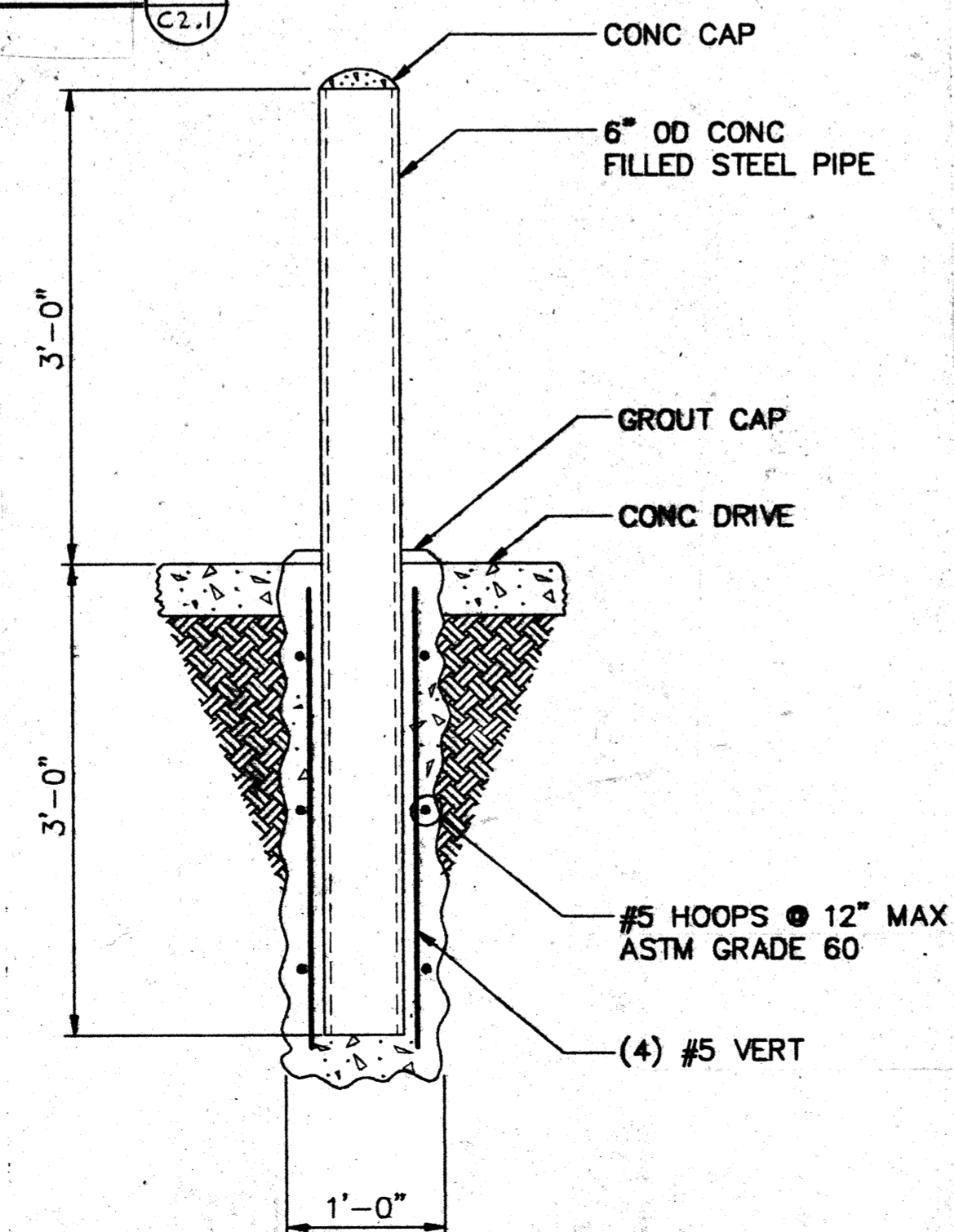
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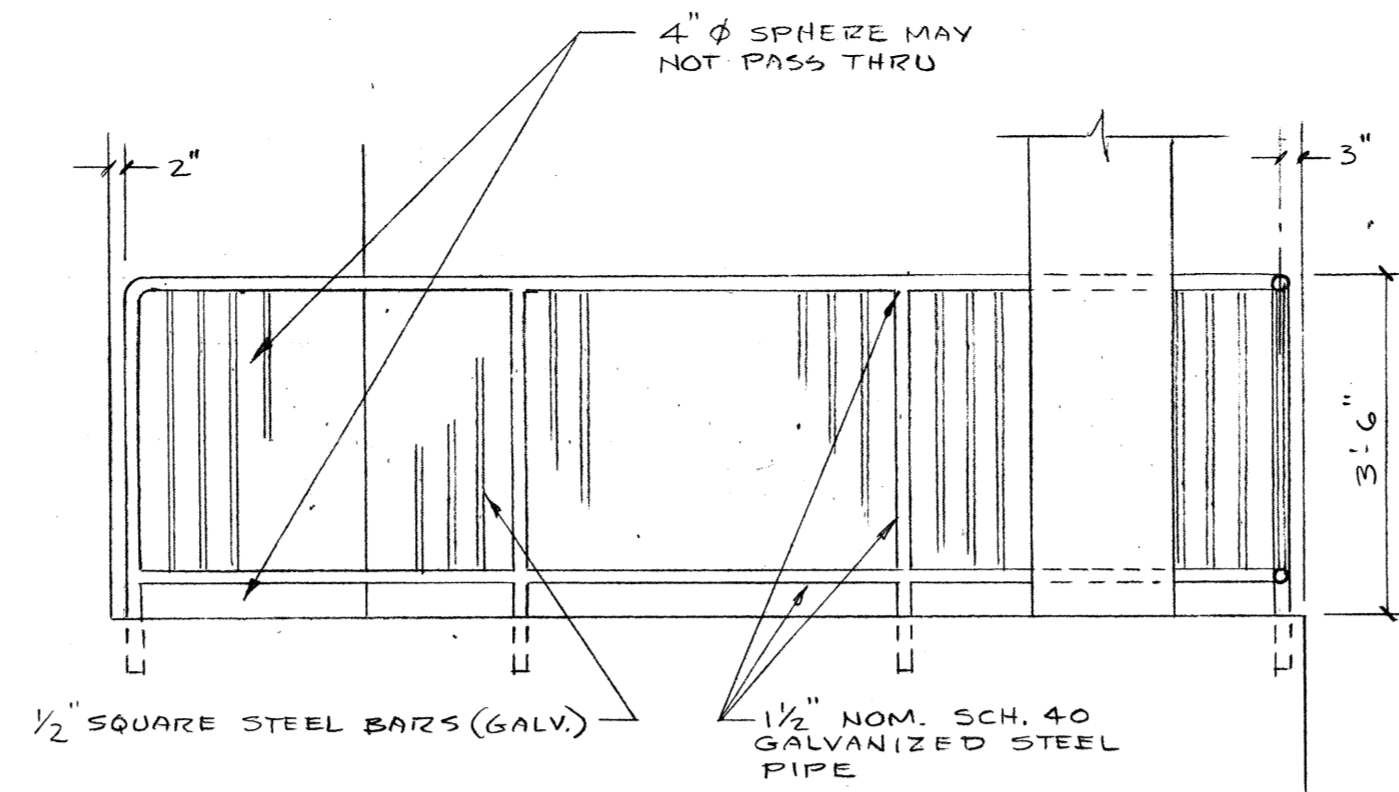




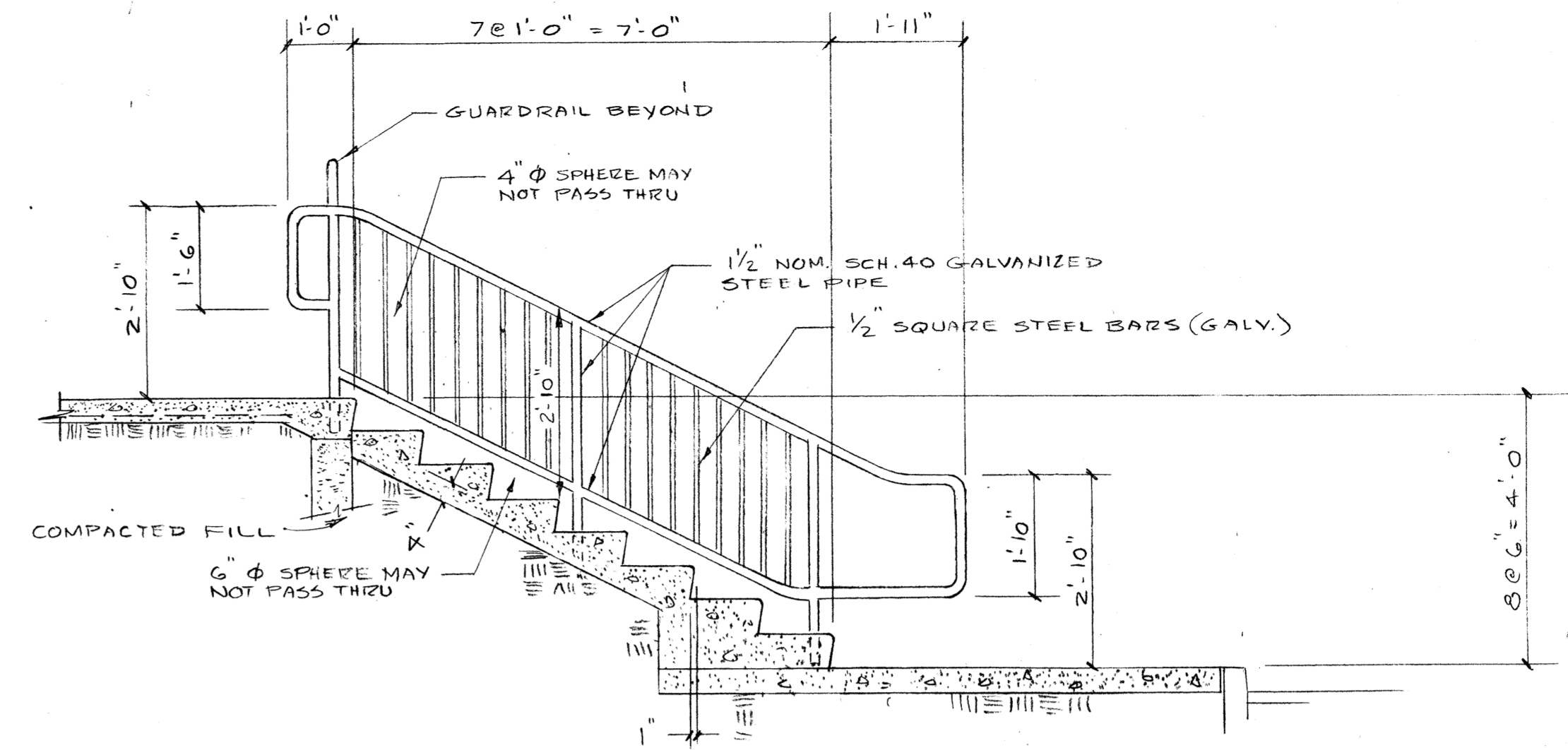
**ENLARGED RAMP & STAIR PLAN**  
SCALE: 1/8" = 1'-0"



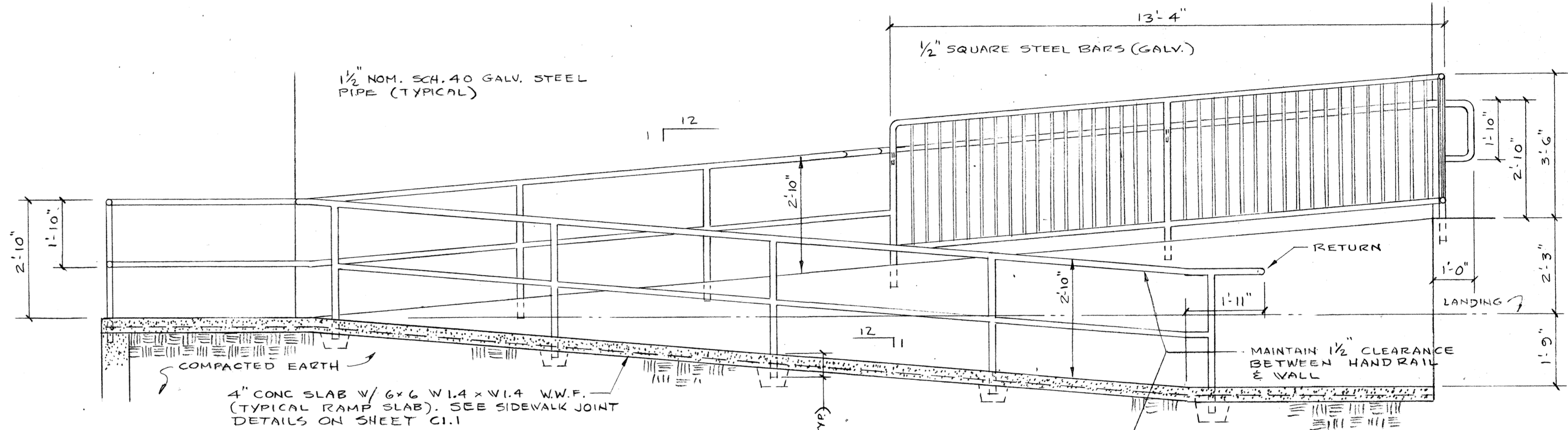
**BOLLARD DETAIL**  
NO SCALE



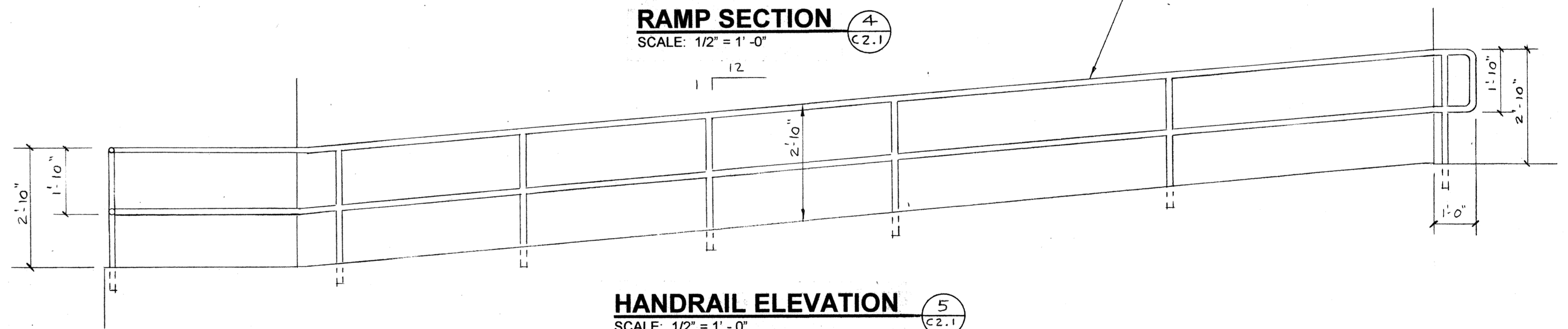
**TYP. GUARDRAIL ELEVATION**  
SCALE: 1/2" = 1'-0"



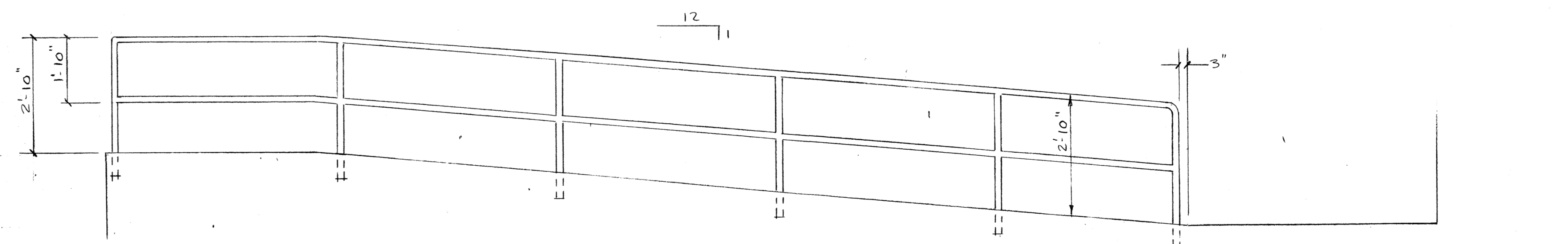
**STAIR SECTION**  
SCALE: 1/2" = 1'-0"



**RAMP SECTION**  
SCALE: 1/2" = 1'-0"



**HANDRAIL ELEVATION**  
SCALE: 1/2" = 1'-0"



**HANDRAIL ELEVATION**  
SCALE: 1/2" = 1'-0"

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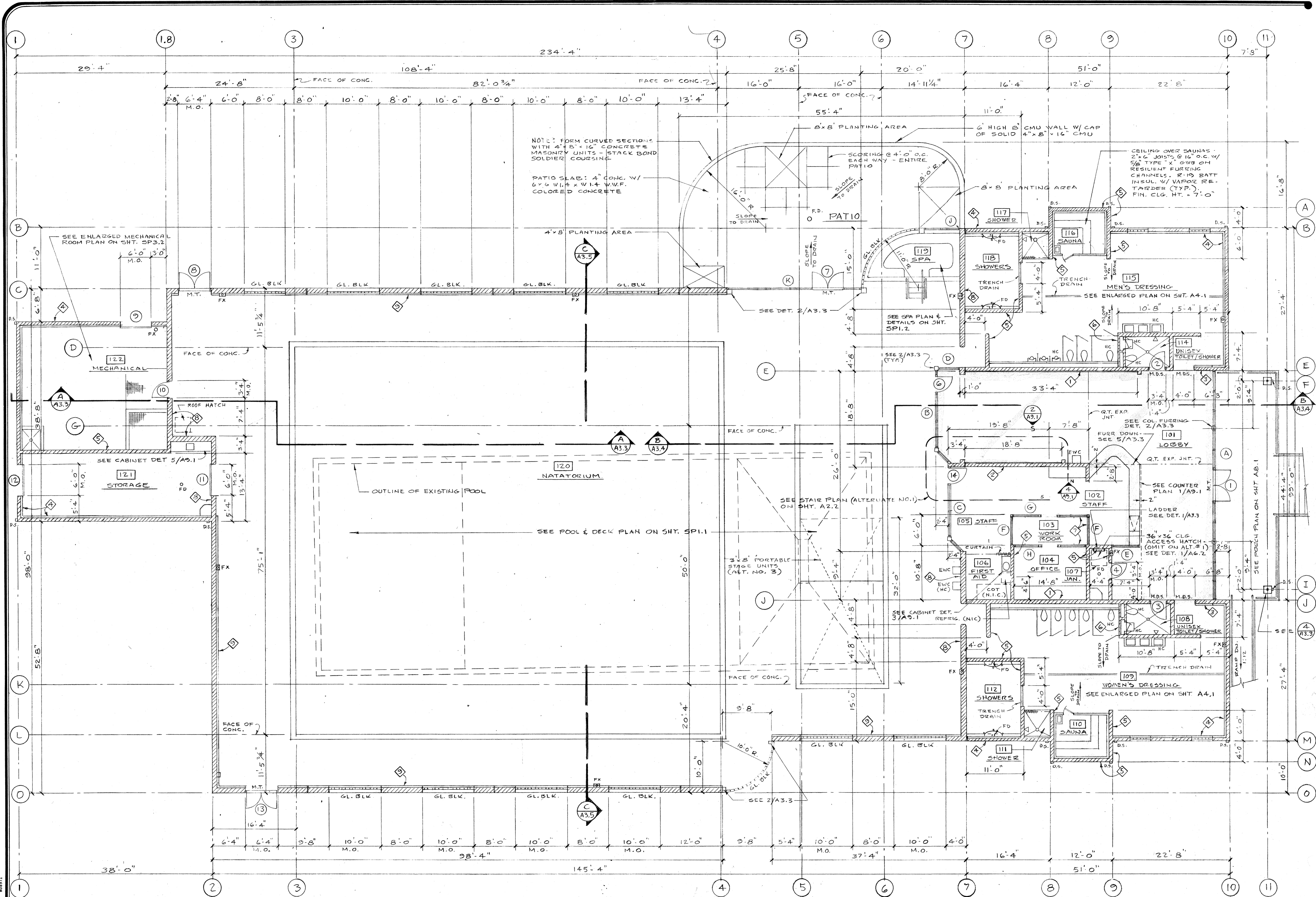
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sheet  
**C2.1**  
OF 2.1





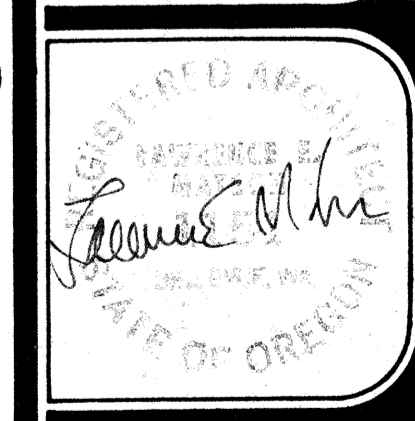
**MAIN FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

◇ SEE SCHEDULE OF WALL TYPES ON SHEET A2.3

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date 9-29-94
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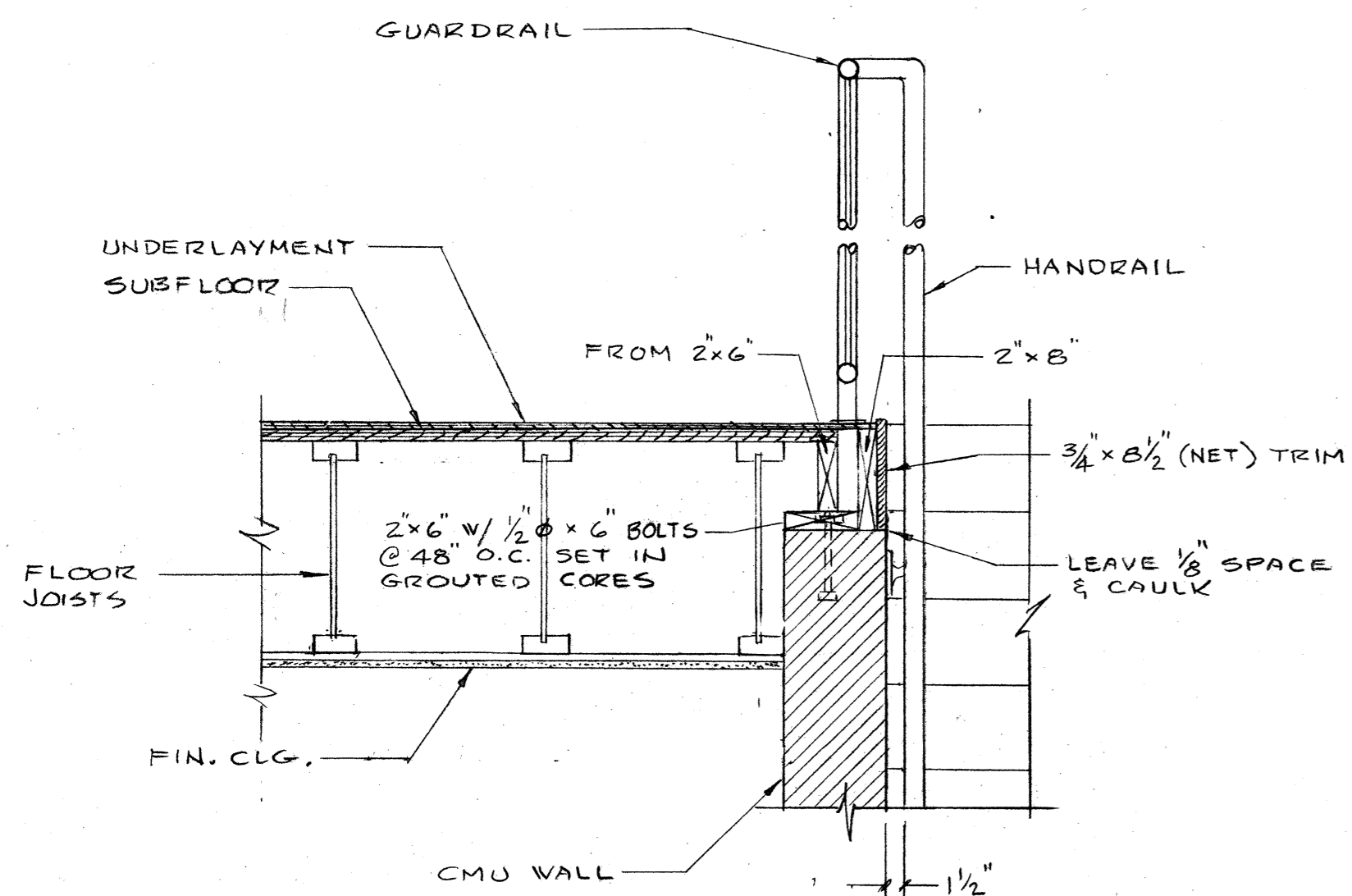
**SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON**

**LAWRENCE E. MATSON  
ARCHITECT, A.I.A.**  
14042 NE 8TH STREET, SUITE 101  
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PHONE (206) 746-9049 FAX (206) 746-8886

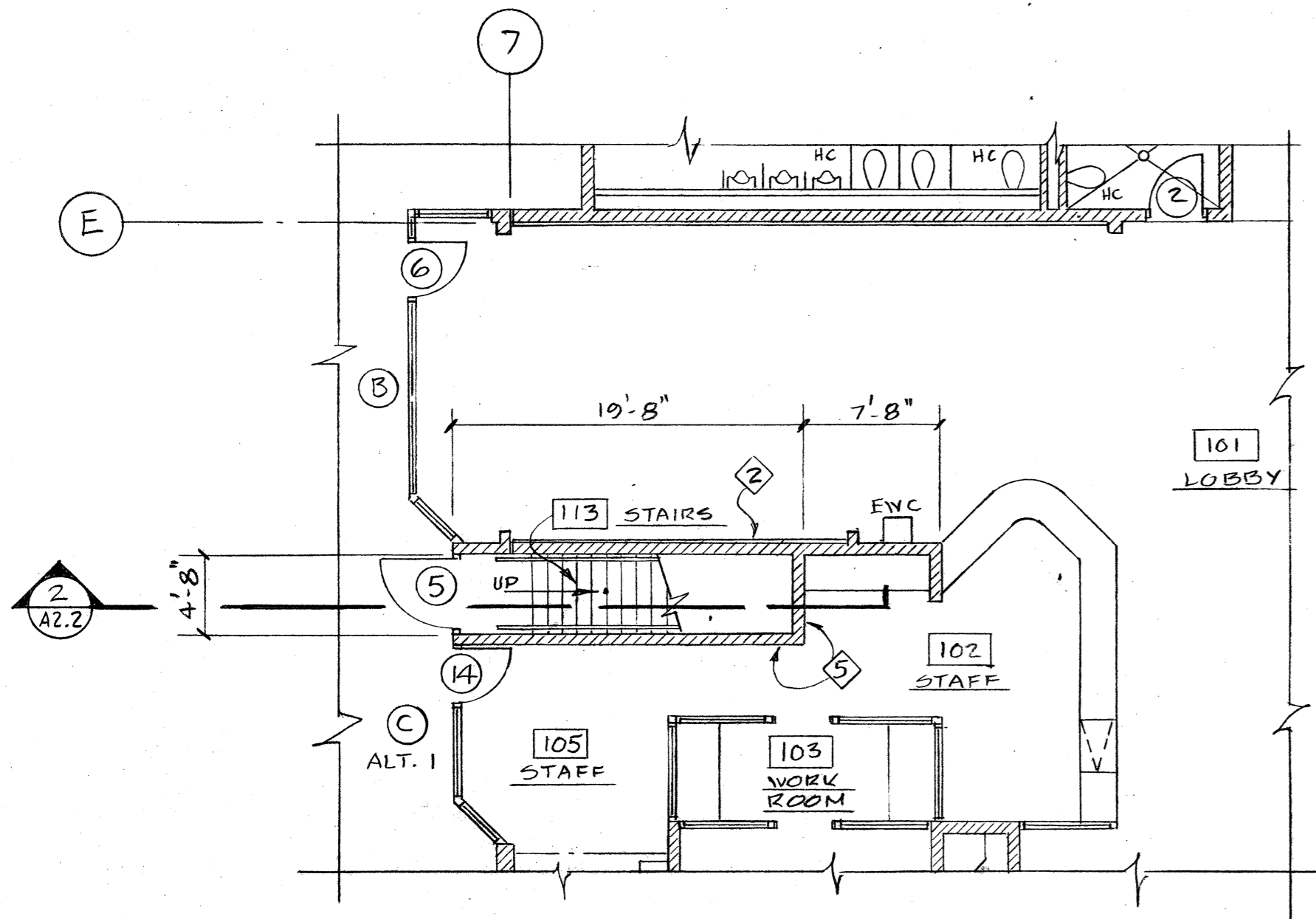


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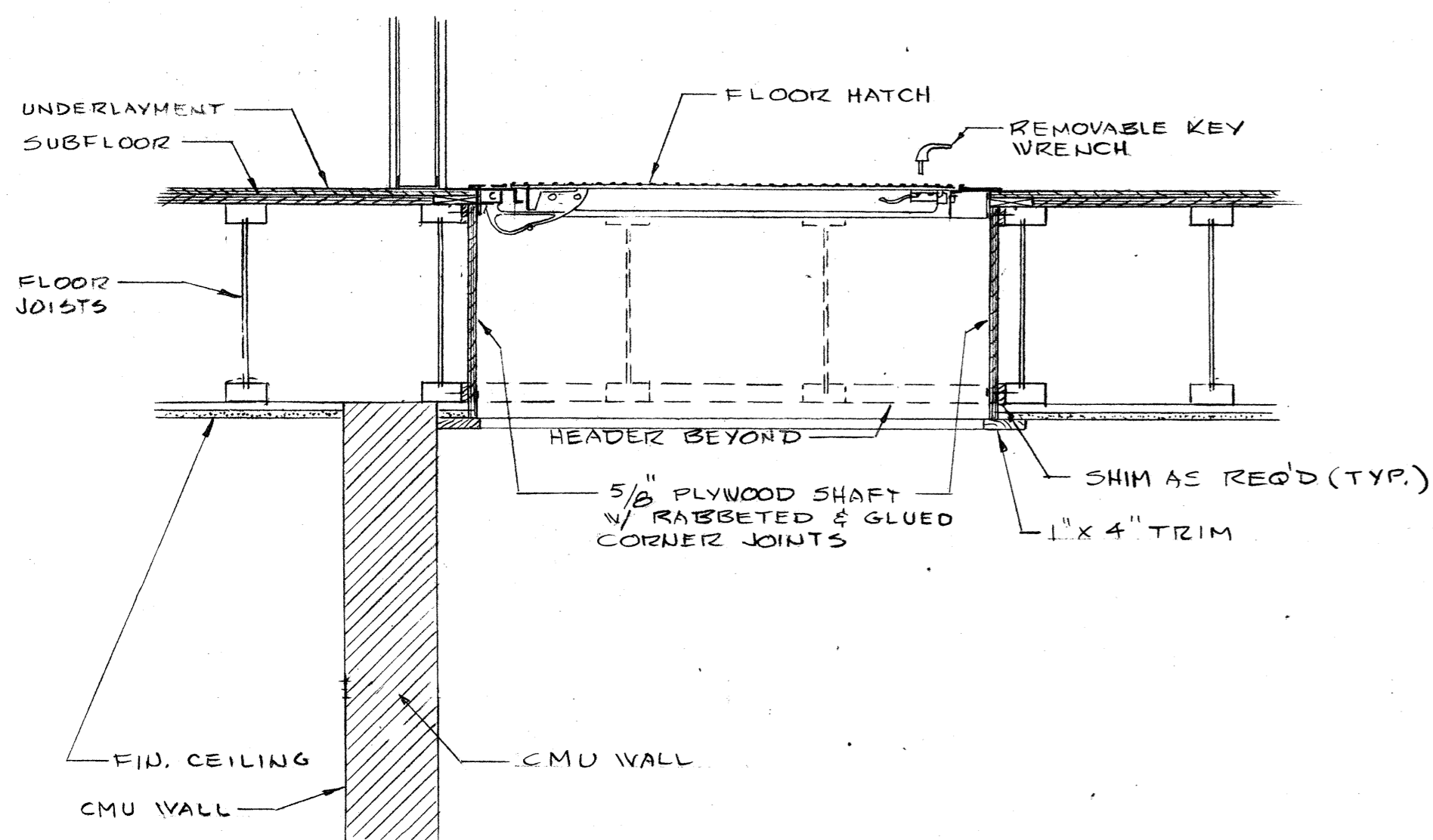




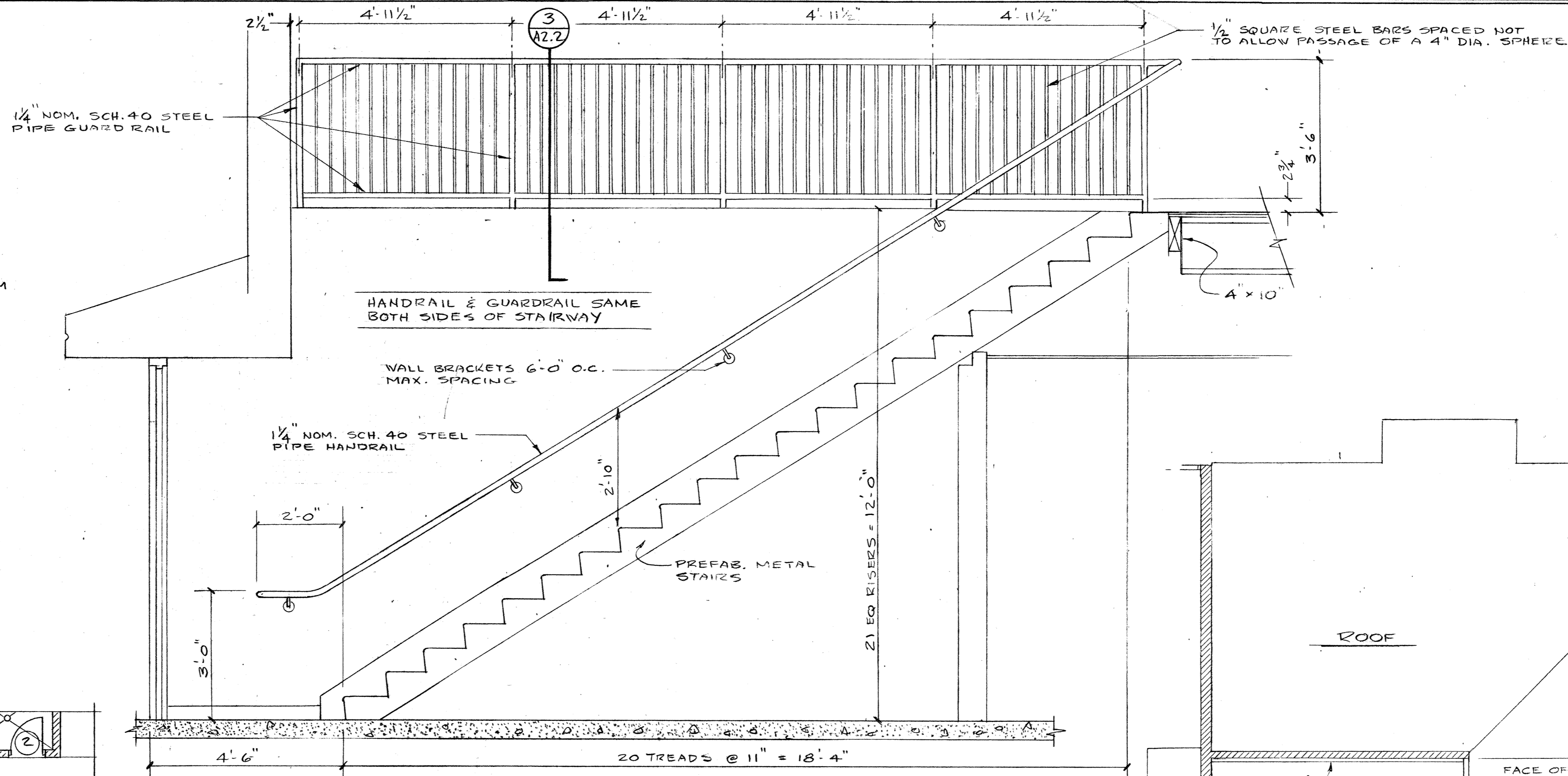
**DETAIL**  
SCALE: 1" = 1'-0"  
3  
A2.2



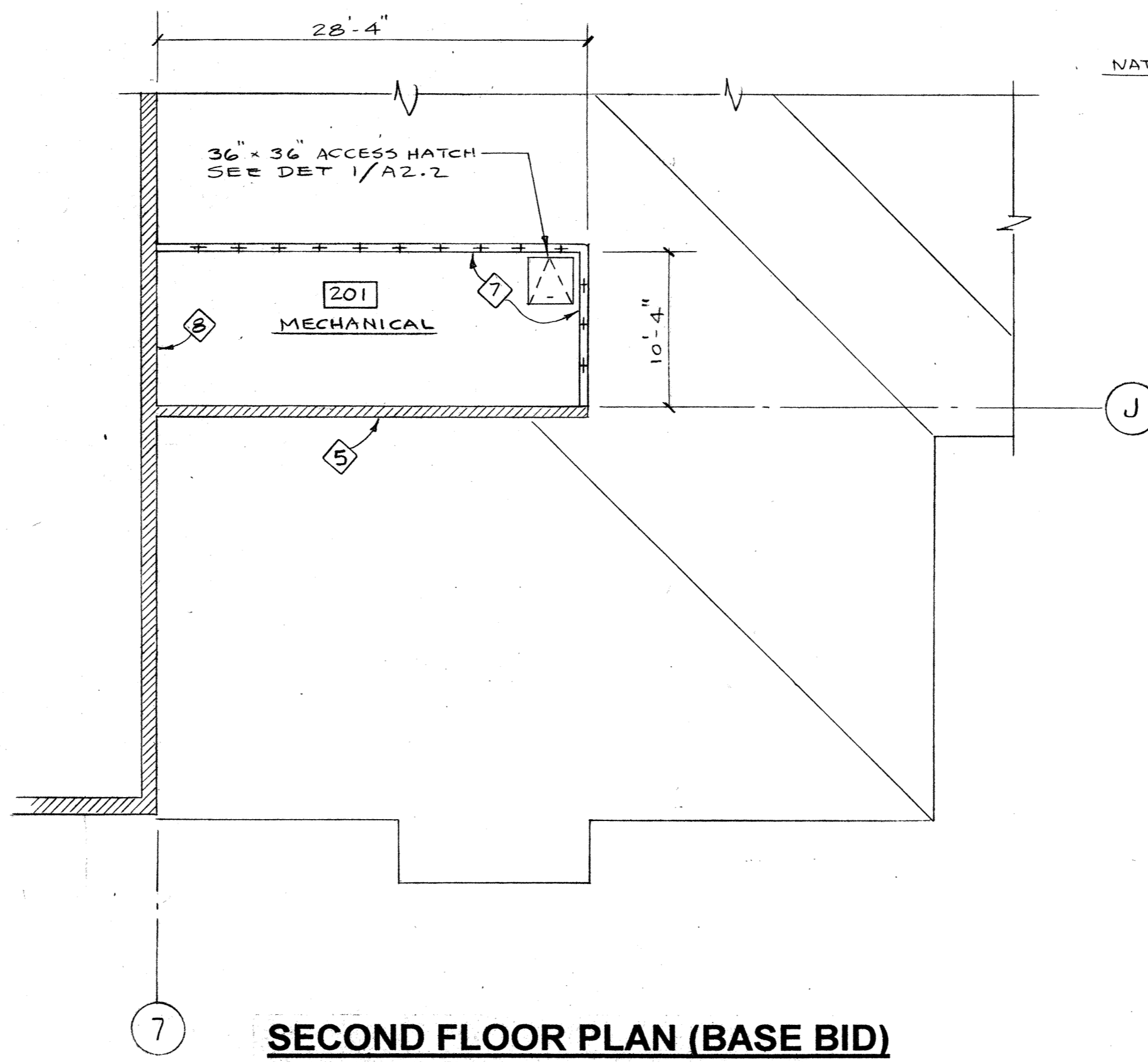
**STAIR PLAN (ALTERNATE NO. 1)**  
SCALE: 1/8" = 1'-0"



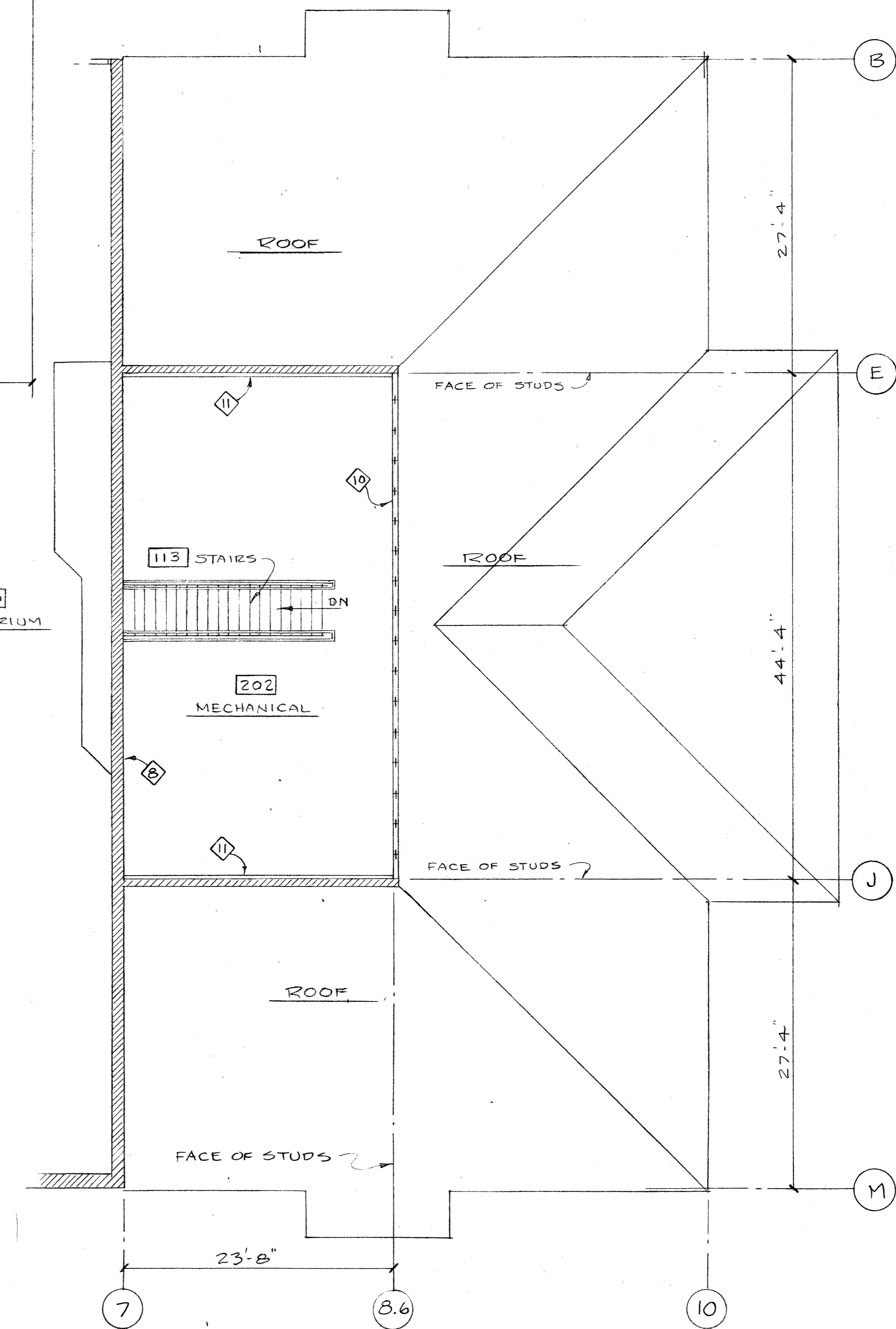
**HATCH DET.**  
SCALE: 1" = 1'-0"  
1  
A2.2



**STAIR SECTION**  
SCALE: 1/2" = 1'-0"  
(ALTERNATE NO. 1)  
2  
A2.2



**SECOND FLOOR PLAN (BASE BID)**  
SCALE: 1/8" = 1'-0"



**SECOND FLOOR PLAN (ALTERNATE NO. 1)**  
SCALE: 1/8" = 1'-0"

Job no. 93-10  
date 7-29-94  
scale  
drawn by  
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**SWIMMING POOL  
FOR THE  
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WOODBURN, OREGON**

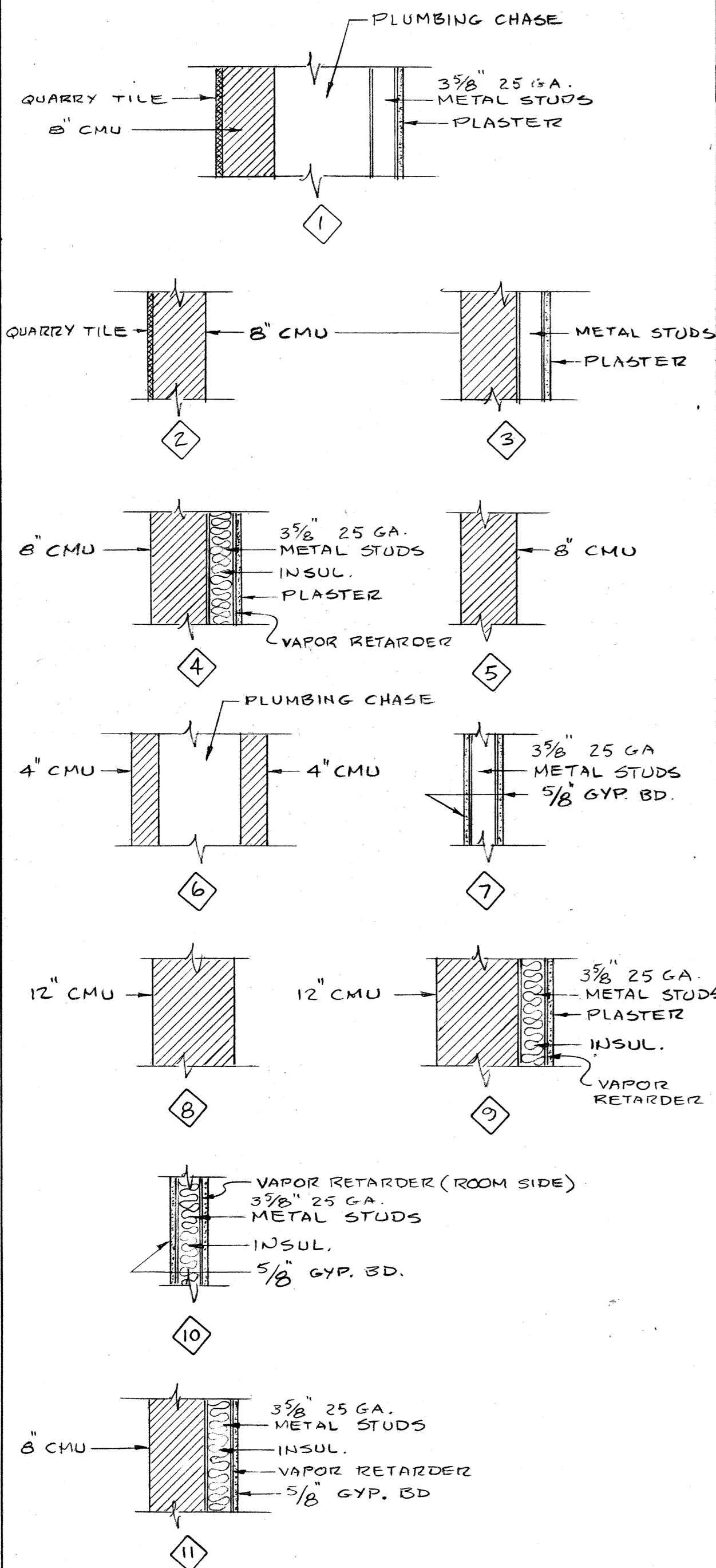
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**A2.2**

**OF** 2.5

**WALL TYPE SCHEDULE**



**ROOM FINISH SCHEDULE**

NO.	NAME	FLOOR		BASE		WALLS						CEILING			REMARKS		
		MATERIAL	FINISH	MATERIAL	FINISH	NORTH	FINISH	SOUTH	FINISH	EAST	FINISH	WEST	FINISH	MT'L		FINISH	HEIGHT
101	LOBBY	QT	FA	QT	FA	QT	FA	CMU	INT. 3-B SG	ALUM. ST. FRONT	FA	ALUM. ST. FRONT	FA	GB	INT. 3-B F	12'-0"	
102	STAFF	CC	NS	R	"	CMU	"	"	"	"	"	ALUM. ST. FRONT	FA	AT-L-2	FA	8'-6"	
103	WORK ROOM	"	"	"	"	GB	INT. 3-B F	GB	INT. 3-B F	GB	INT. 3-B F	GB	INT. 3-B F	AT-L-2	FA	8'-6"	
104	OFFICE	"	"	"	"	"	"	CMU	"	CMU	"	CMU	"	"	"	"	
105	STAFF	"	"	"	"	"	"	"	"	CMU	"	ALUMINIUM STORE FRONT	FA	"	"	"	
106	FIRST AID	"	"	"	"	"	"	"	"	CMU	"	CMU	"	"	"	"	
107	JANITOR	"	"	"	"	CMU	INT. 3-B SG	"	"	CMU	"	CMU	"	"	"	"	
108	UNISEX TOILET/SHOWER	"	"	NONE	"	CMU	NPC	CMU	NPC	CMU	NPC	CMU	NPC	WRGB	NPC	12'-0"	
109	WOMEN'S DRESSING	C	"	NONE	"	CMU	PL	"	PL	"	PL	CMU	"	"	"	12'-0"	
110	SAUNA (PACKAGE UNIT)																
111	SHOWER	C	NS	NONE	"	CMU	NPC	CMU	NPC	CMU	NPC	CMU	NPC	WRGB	NPC	12'-0"	
112	SHOWERS	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
113	STAIRS	C	"	R	"	GB	INT. 3-B SG	GB	INT. 3-B SG	"	"	GB	INT. 3-B SG	GB	INT. 3-B F	VARIES	NOT IN BASE BID SEE ALTERNATE NO. 1
114	UNISEX TOILET/SHOWER	C	"	NONE	"	CMU	NPC	CMU	NPC	CMU	NPC	CMU	NPC	WRGB	NPC	12'-0"	
115	MEN'S DRESSING	C	"	"	"	PL	"	CMU	PL	"	PL	CMU	"	"	"	12'-0"	
116	SAUNA (PACKAGE UNIT)																
117	SHOWER	C	NS	NONE	"	CMU	NPC	CMU	NPC	CMU	NPC	CMU	NPC	WRGB	NPC	12'-0"	
118	SHOWERS	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
119	SPA	"	"	"	"	ALUM. ST. FRONT	"	"	"	CMU	"	GL. BLK.	"	PWD	"	20'-0"	
120	NATATORIUM	"	NC	NONE	"	PL	"	PL	"	PL	"	PL/CMU	"	"	"	20'-0" TO 24'-0"	
121	STORAGE	"	ST	"	"	CMU	INT. 3-B SG	"	INT. 3-B SG	CMU	INT. 3-B SG	PL	INT. 3-B SG	GB	INT. 3-B F	10'-0"	
122	MECHANICAL	"	"	"	"	PL	NPC	CMU	NPC	"	NPC	"	NPC	"	NPC	VARIES	
201	MECHANICAL	VCT	FA	R	FA	GB	INT. 3-B SG	CMU	INT. 3-B SG	GB	INT. 3-B SG	CMU	INT. 3-B SG	GB	INT. 3-B F	VARIES	
202	MECHANICAL	VCT	FA	R	FA	GB	INT. 3-B SG	GB	INT. 3-B SG	GB	INT. 3-B SG	CMU	INT. 3-B SG	GB	INT. 3-B F	VARIES	NOT IN BASE BID SEE ALTERNATE NO. 1

**FINISH NOTES**

- 1 PAINT INTERIOR OF CEILING WITH FINISH SYMBOL INT. 1-B (F)
- 2 PAINT WOOD SHELVING FINISH SYMBOL INT. 1-B (F)
- 3 PAINT HANDRAIL & GUARDRAIL FINISH SYMBOL INT. 12-B (SG)
- 4 ROOF JOISTS: WOOD PORTIONS FIN. SYMBOL INT. 1-B (F), METAL PORTIONS FIN. SYMBOL INT. 12-B (F)
- 5 DUCTWORK: FINISH SYMBOL INT. 13-B (SG)
- 6 GLULAM BEAMS: INT. 1-B (F); STEEL CONNECTORS INT. 12-B (F)

**FINISH SYMBOLS**

- ECP 1 COAT ALKALI-RESISTANT PRIMER AND 2 COATS ACRYLIC-EPHOXY SEMI-GLOSS WATER BASE COATING
- F FLAT
- FA FACTORY FINISH
- INT. 3-B 1 COAT LATEX PRIMER SEALER AND 2 COATS INTERIOR LATEX PAINT
- NS NON-SLIP
- SG SEMI-GLOSS
- ST STEEL TROWEL
- G GLOSS
- INT. 1-B 1 COAT LATEX WOOD PRIMER AND 2 COATS INTERIOR LATEX PAINT
- INT. 12-B 1 COAT RUST-INHIBITIVE PRIMER AND 2 COATS INTERIOR LATEX PAINT
- INT. 13-B 1 COAT GALVANIZED PRIMER & 2 COATS INTERIOR LATEX PAINT
- INT. 1-G 1 COAT WOOD FILLER; 1 COAT STAIN; 1 COAT SANDING SEALER; 1 COAT ALKYD VARNISH.

**MATERIAL SYMBOLS**

- AP ACOUSTICAL PANELS
- AT-L-1 LAY-IN ACOUSTICAL TILE, 2' x 4' GRID TO PROVIDE 1-HOUR RATED FLOOR/CEILING ASSEMBLY. (REGULAR)
- AT-L-2 LAY-IN ACOUSTICAL TILE, 2' x 4' GRID TO PROVIDE 1-HOUR RATED FLOOR/CEILING ASSEMBLY.
- C CONCRETE
- CMU CONCRETE MASONRY UNITS
- CT CERAMIC TILE
- GB GYPSUM BOARD
- GL. BLK. GLASS BLOCK
- PL PORTLAND CEMENT PLASTER
- QT QUARRY TILE - FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
- R RUBBER
- VCT VINYL COMPOSITION TILE
- NPC NELSONITE POOL COATING
- PWD PLYWOOD
- WRGB WATER RESISTANT GYPSUM BOARD

Job no. 93-10  
 date 9-29-54  
 scale  
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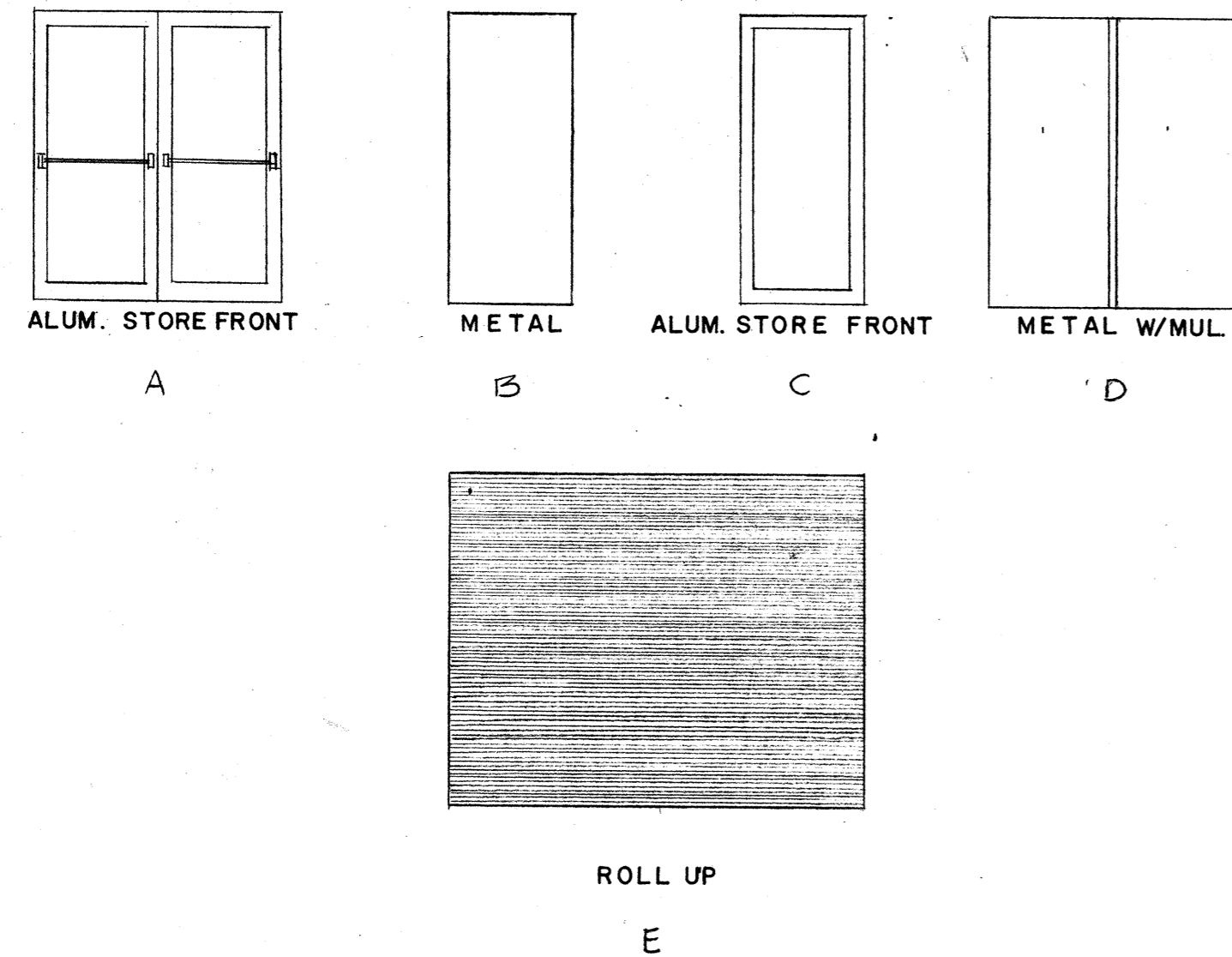
**SWIMMING POOL FOR THE CITY OF WOODBURN WOODBURN, OREGON**

**LAWRENCE E. MATSON ARCHITECT, A.I.A.**  
 14042 NE 8TH STREET, SUITE 101  
 BELLEVUE, WASHINGTON 98007  
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 STATE OF OREGON

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**A2.3**  
 OF 2.5

### DOOR TYPES



### DOOR SCHEDULE

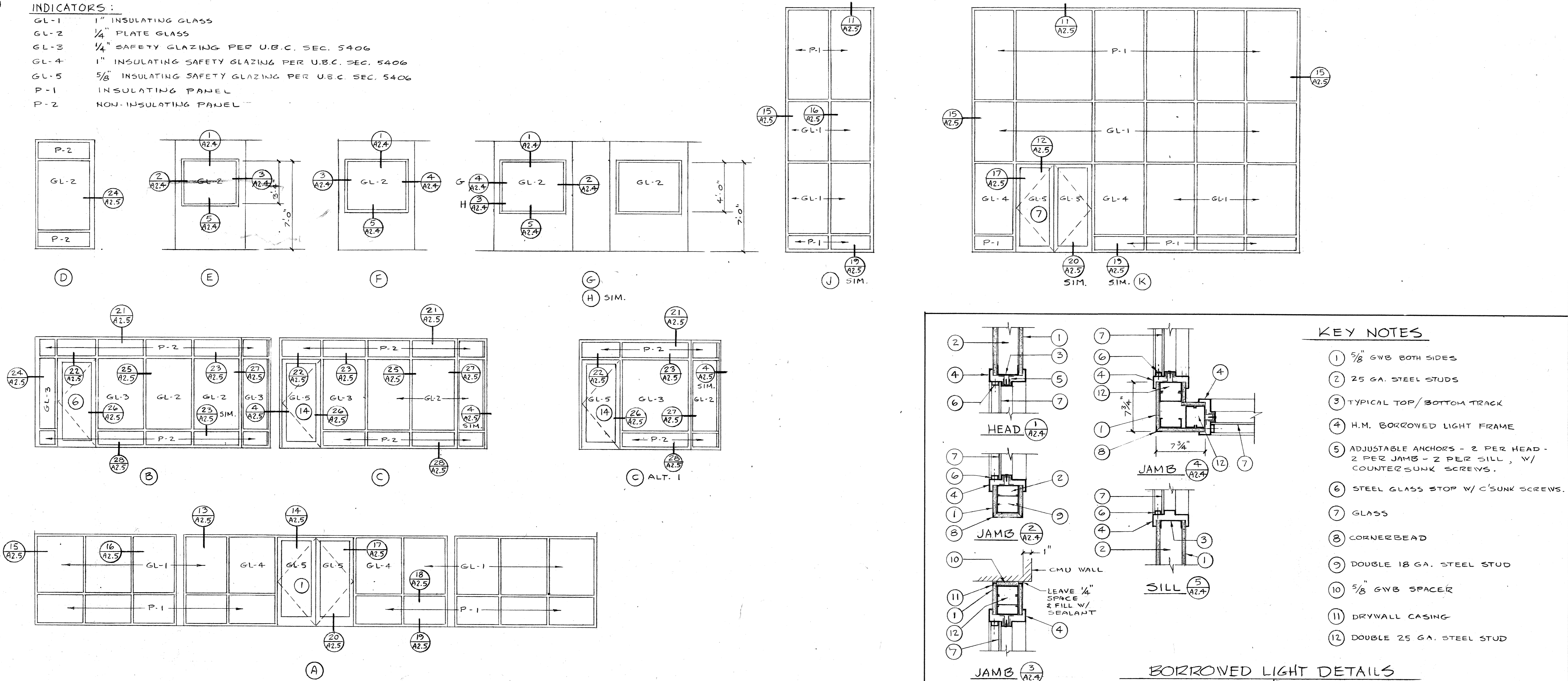
SEE FINISH SYMBOLS ON SHEET A2.3

NO.	TYPE	SIZE	DOOR MAT'L	FRAME MAT'L	HDWE GROUP	THR'LD	SEE DETAIL NO. REF'S			FINISH		REMARKS
							HEAD	JAMB	SILL	DOOR	FRAME	
1	A	PR. 3'-0" x 7'-0"	ALUM.	ALUM.	1	✓	14/A2.5	17/A2.5	20/A2.5			
2	B	3'-0" x 7'-0"	H.M.	H.M.	2		1/A2.5	2/A2.5		INT. 12-B SG	INT. 12-B SG	
3	B	"	"	"	2		"	"		"	"	
4	B	"	"	"	3		"	"		"	"	
5	B	4'-4" x 7'-0"	"	"	4		3/A2.5	4/A2.5		"	"	NOT IN BASE BID. SEE ALT. NO. 1
6	C	3'-0" x 7'-0"	ALUM.	ALUM.	1		22/A2.5	26/A2.5				
7	A	PR. 3'-0" x 7'-0"	"	"	1	✓						
8	D	PR. 3'-0" x 7'-0"	H.M.	H.M.	5	✓	5/A2.5	6/A2.5	7/A2.5	INT. 12-B SG	INT. 12-B SG	
9	E	6'-0" x 8'-0"	STEEL	STEEL	6	✓	8/A2.5	9/A2.5	10/A2.5	"	"	
10	B	3'-0" x 7'-0"	H.M.	H.M.	7		1/A2.5	2/A2.5		"	"	
11	E	6'-0" x 8'-0"	STEEL	STEEL	6	✓	8/A2.5	9/A2.5		"	"	
12	E	"	"	"	6	✓	8/A2.5	9/A2.5	10/A2.5	"	"	
13	D	PR. 3'-0" x 7'-0"	H.M.	H.M.	5	✓	5/A2.5	6/A2.5	7/A2.5	"	"	
14	C	3'-0" x 7'-0"	ALUM.	ALUM.	1		22/A2.5	26/A2.5				

### WINDOW SCHEDULE

#### INDICATORS:

- GL-1 1" INSULATING GLASS
- GL-2 1/4" PLATE GLASS
- GL-3 1/4" SAFETY GLAZING PER U.B.C. SEC. 5406
- GL-4 1" INSULATING SAFETY GLAZING PER U.B.C. SEC. 5406
- GL-5 5/8" INSULATING SAFETY GLAZING PER U.B.C. SEC. 5406
- P-1 INSULATING PANEL
- P-2 NON-INSULATING PANEL



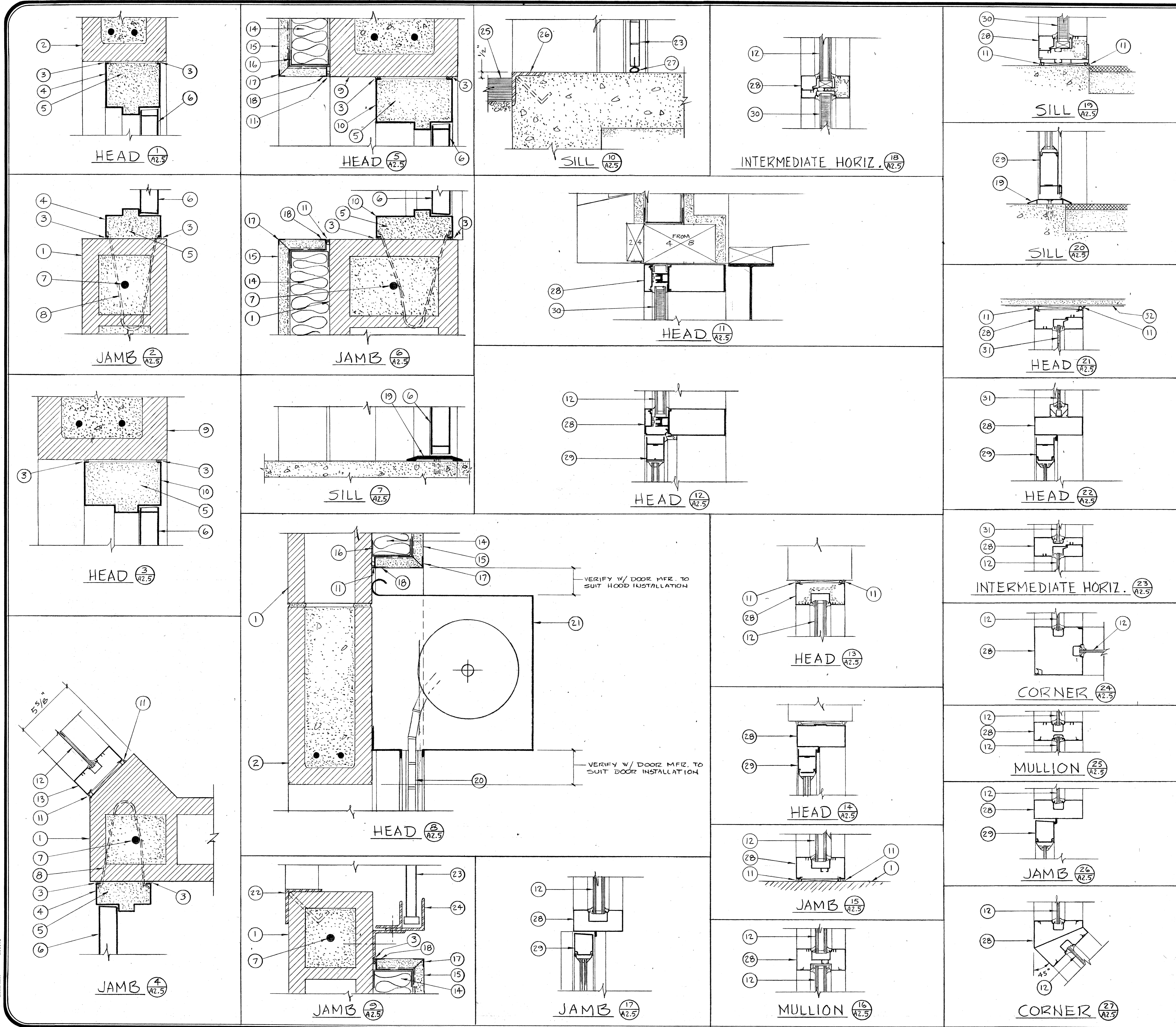
SWIMMING POOL  
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**A2.4**  
 of 25

job no. 93-10  
 date 9-29-94  
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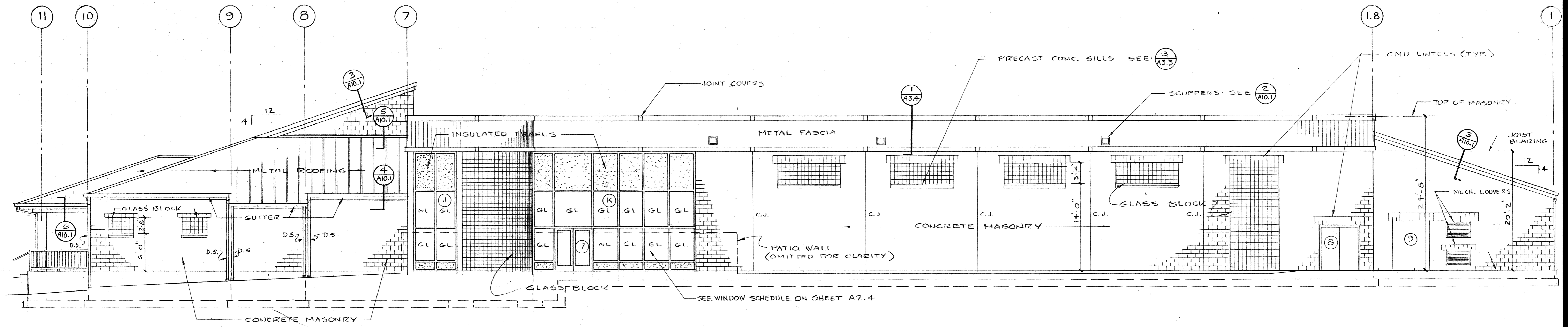


- KEY NOTES:**
- 1 CONCRETE MASONRY
  - 2 CMU LINTEL
  - 3 SEALANT
  - 4 H. M. FRAME, 5" X 2" W/ 4" HEAD
  - 5 GROUT
  - 6 H. M. DOOR - EXTERIOR DOORS SHALL BE INSULATED
  - 7 REINFORCING BAR IN GROUTED CORE
  - 8 FRAME ANCHORS - 3 PER JAMB
  - 9 CMU LINTEL
  - 10 H. M. FRAME, 7" X 2" W/ 4" HEAD
  - 11 SEALANT AND BACKER ROD
  - 12 GLASS
  - 13 ALUMINUM STORE FRONT
  - 14 METAL STUD FURRING AND INSULATION
  - 15 METAL LATH AND PLASTER
  - 16 TYPICAL BASE TRACK
  - 17 CORNER BEAD
  - 18 CASING BEAD
  - 19 THRESHOLD
  - 20 OVERHEAD COILING DOOR
  - 21 DOOR HOOD
  - 22 3-1/2" X 3-1/2" X 1/4" L 4'-0" LONG W/ (2) #4 RE-BAR ANCHORS WELDED TO L LOCATE END ANCHORS 8" FROM EACH END OF L
  - 23 (NOT USED)
  - 24 DOOR MFR'S STANDARD TRACK ASSEMBLY
  - 25 ASPHALT PAVING
  - 26 3" X 3" X 3/8" L 6'-0" LONG W/ (3) #4 RE-BAR ANCHORS WELDED TO L ONE 6" FROM EACH END AND ONE CENTERED.
  - 27 BULB TYPE WEATHER SEAL
  - 28 ALUMINUM STORE FRONT
  - 29 ALUMINUM DOOR
  - 30 INSULATED PANEL
  - 31 NON-INSULATED PANEL
  - 32 GYPSUM BOARD CEILING

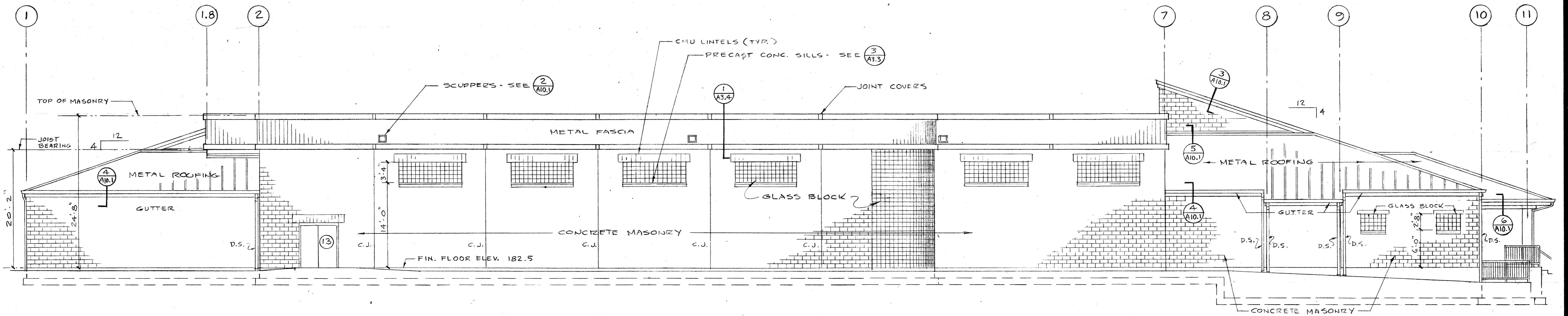
Job no. 93-10  
 date 9-29-94  
 scale 3/8" = 1'-0"  
 drawn by  
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**SWIMMING POOL  
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**NORTH ELEVATION**  
SCALE: 1/8" = 1'-0"



**SOUTH ELEVATION**  
SCALE: 1/8" = 1'-0"

Job no. 93-10  
date 9-29-94  
scale  
drawn by  
checked by  
appr. by

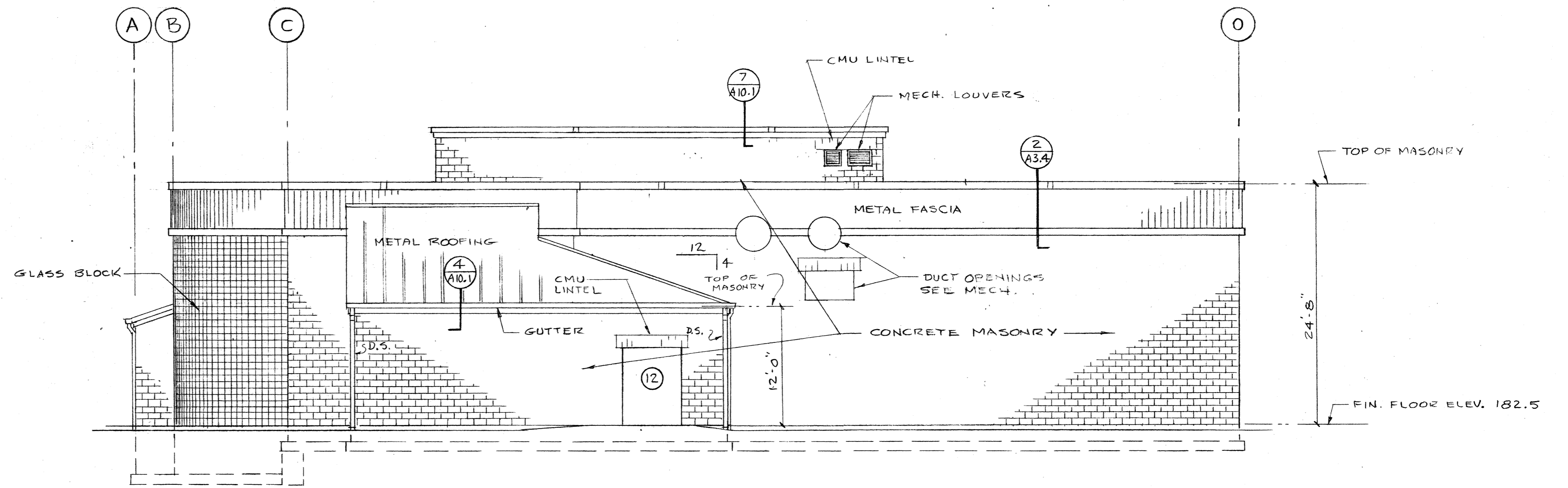
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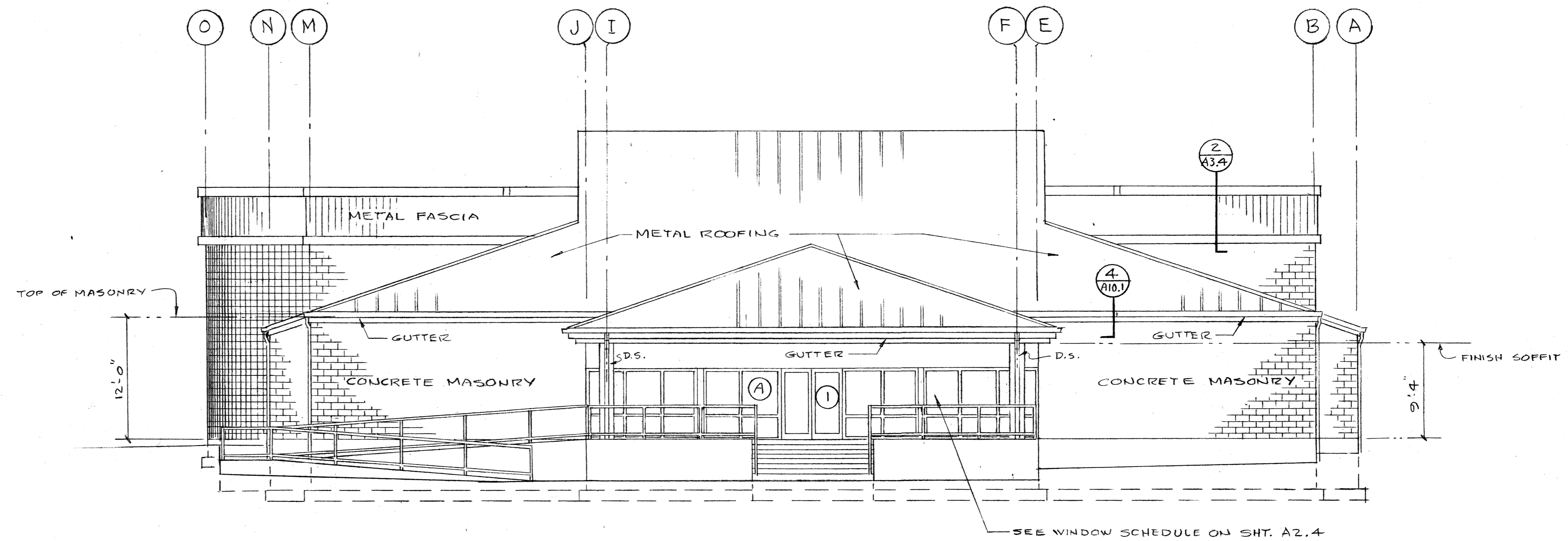
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**A3.1**

**OF** 3.5



**WEST ELEVATION**  
SCALE: 1/8" = 1' - 0"



**EAST ELEVATION**  
SCALE: 1/8" = 1' - 0"

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date 9-25-94  
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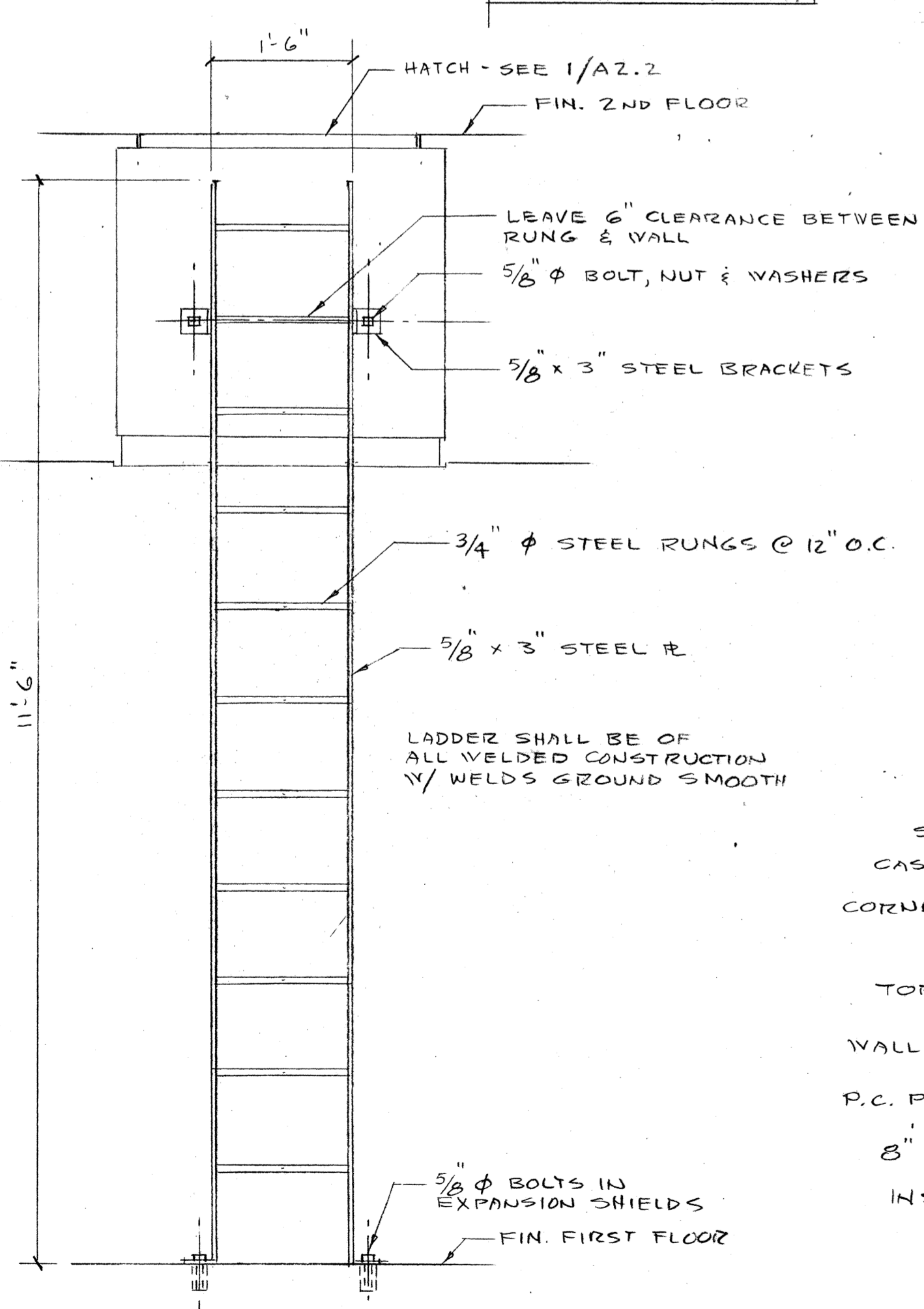
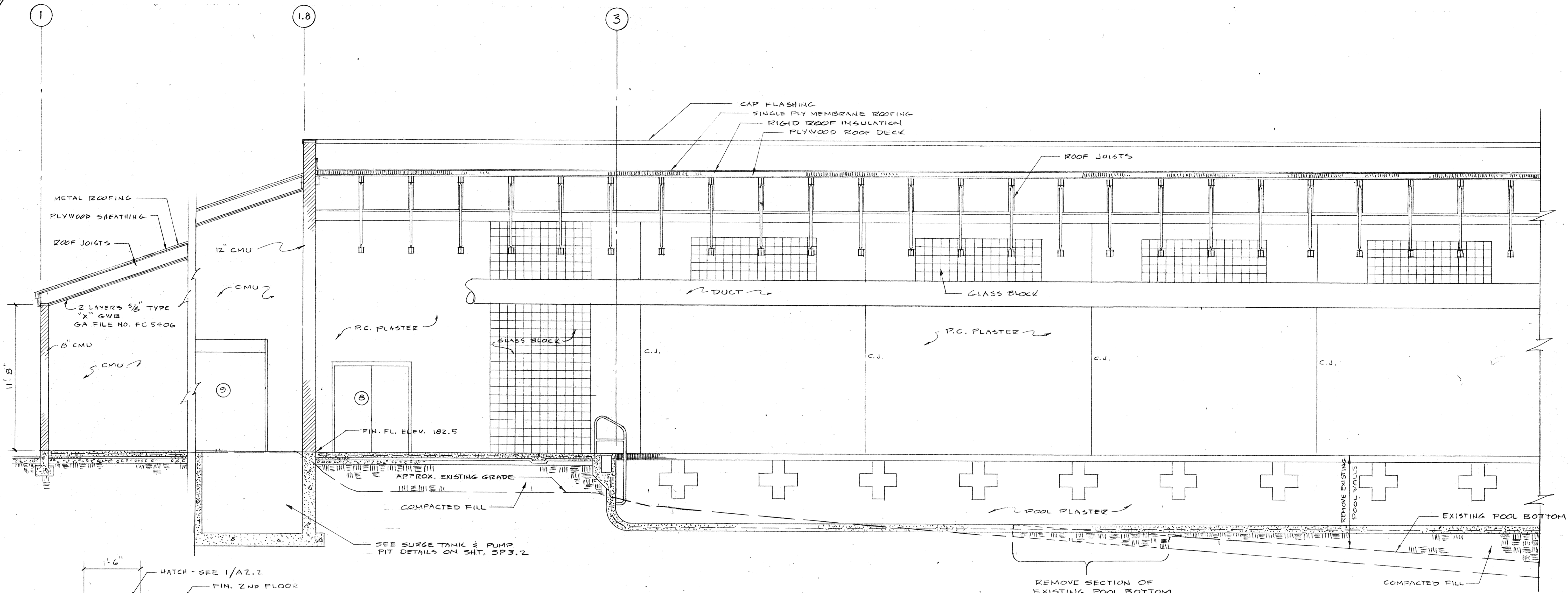
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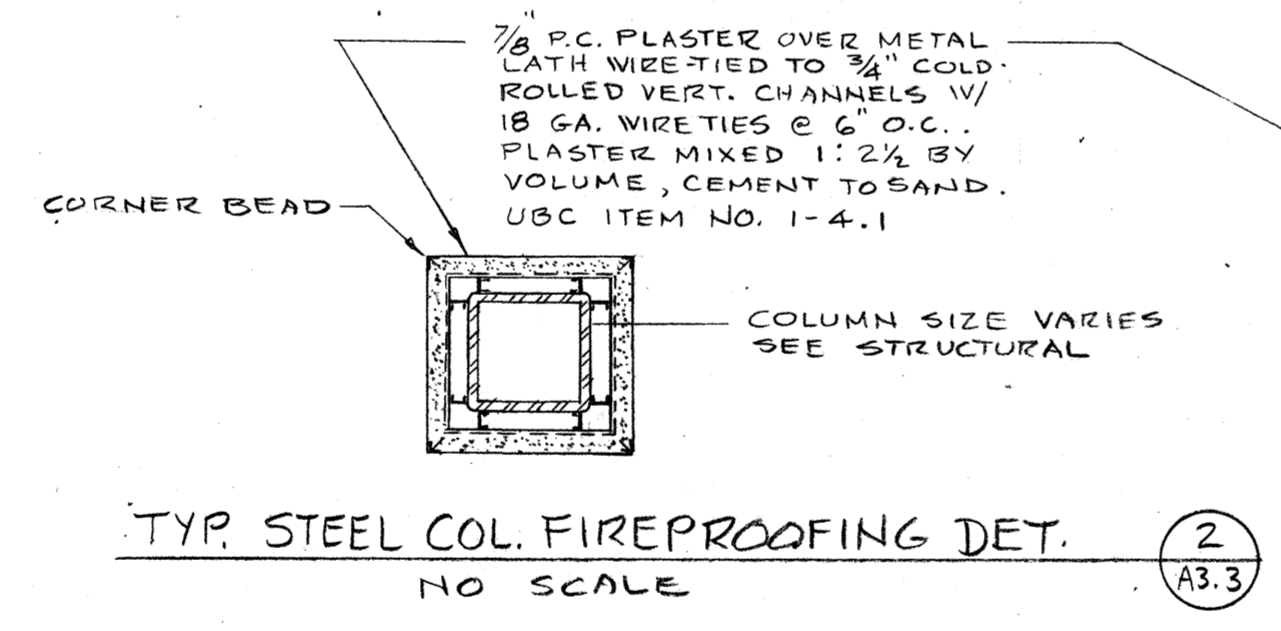


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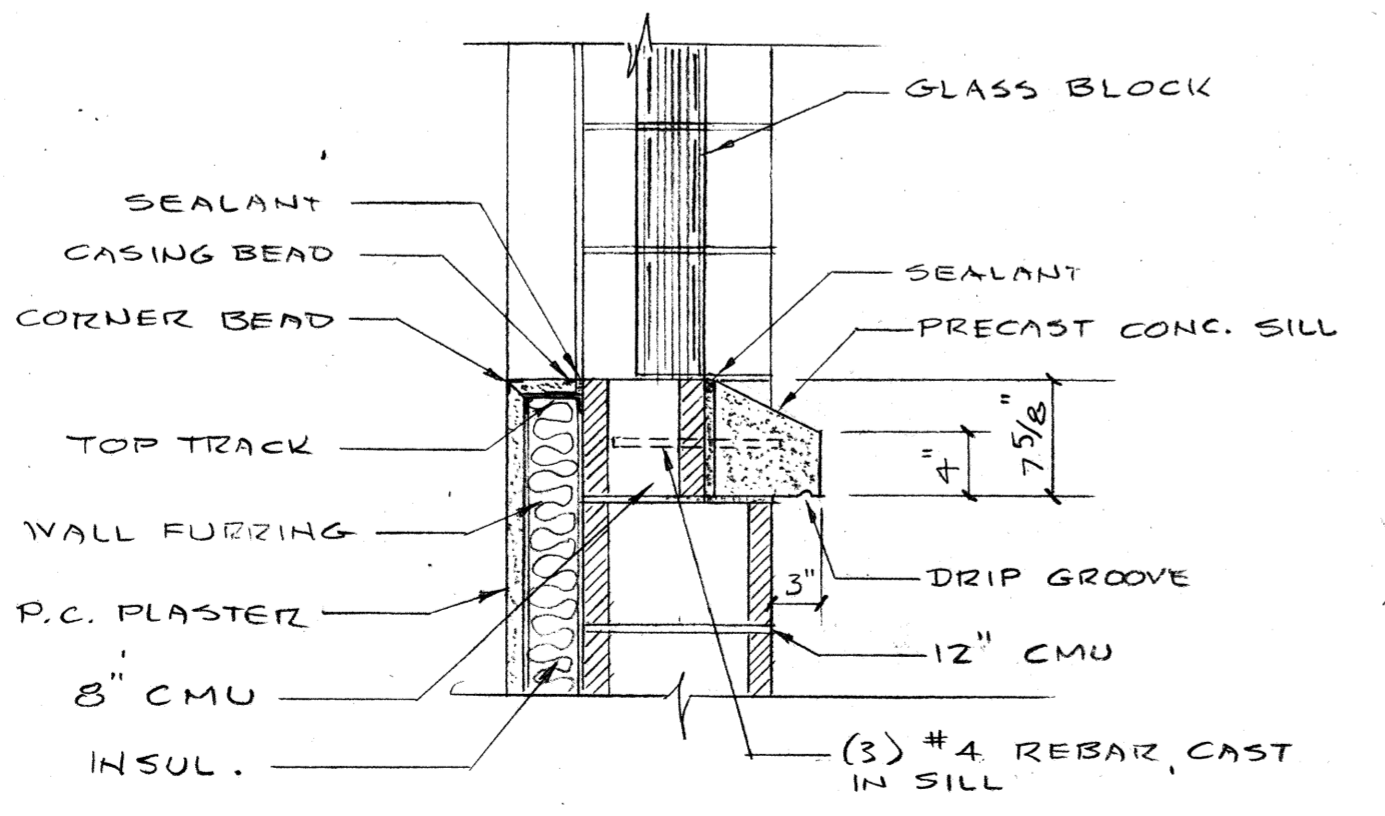




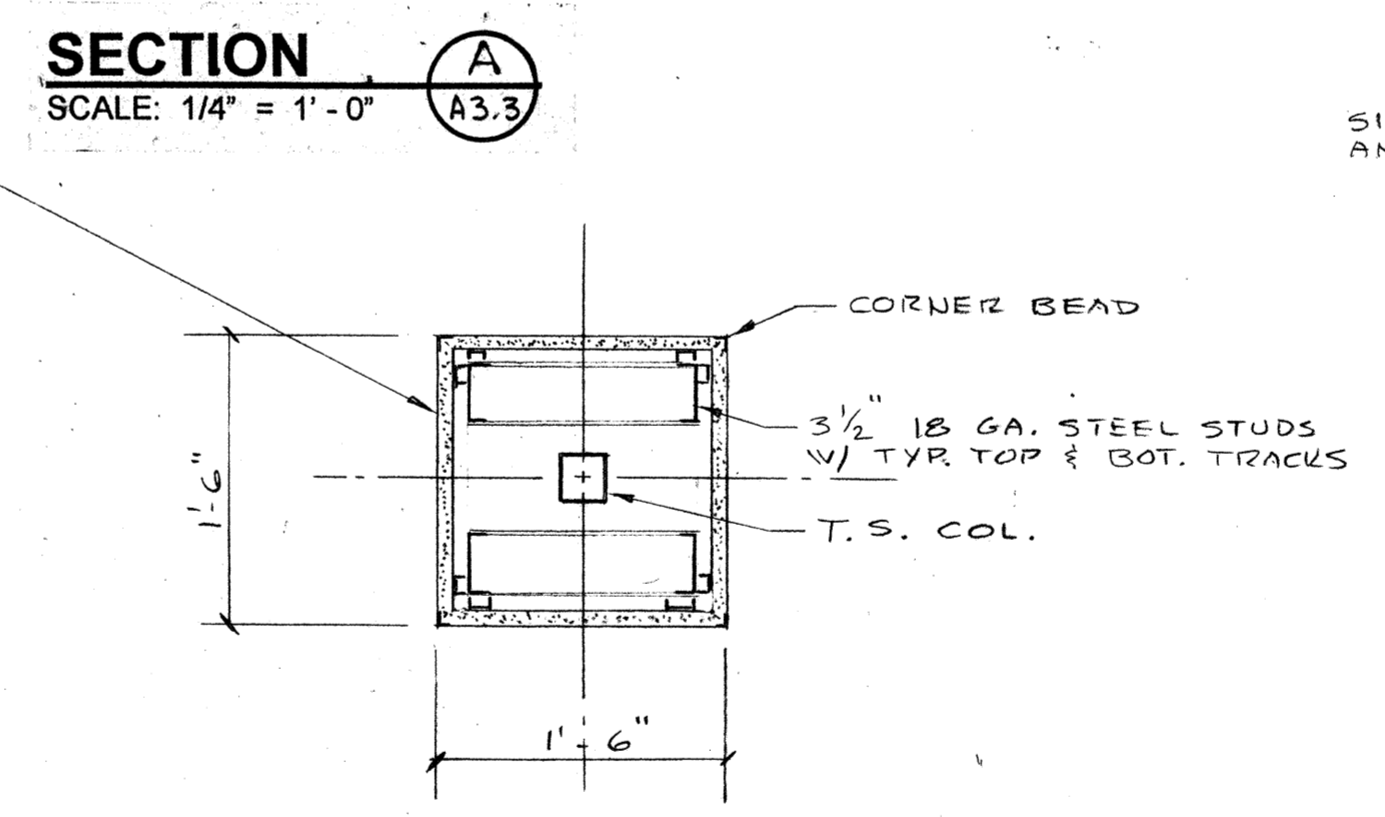
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SCALE: 3/4" = 1'-0" A3.3



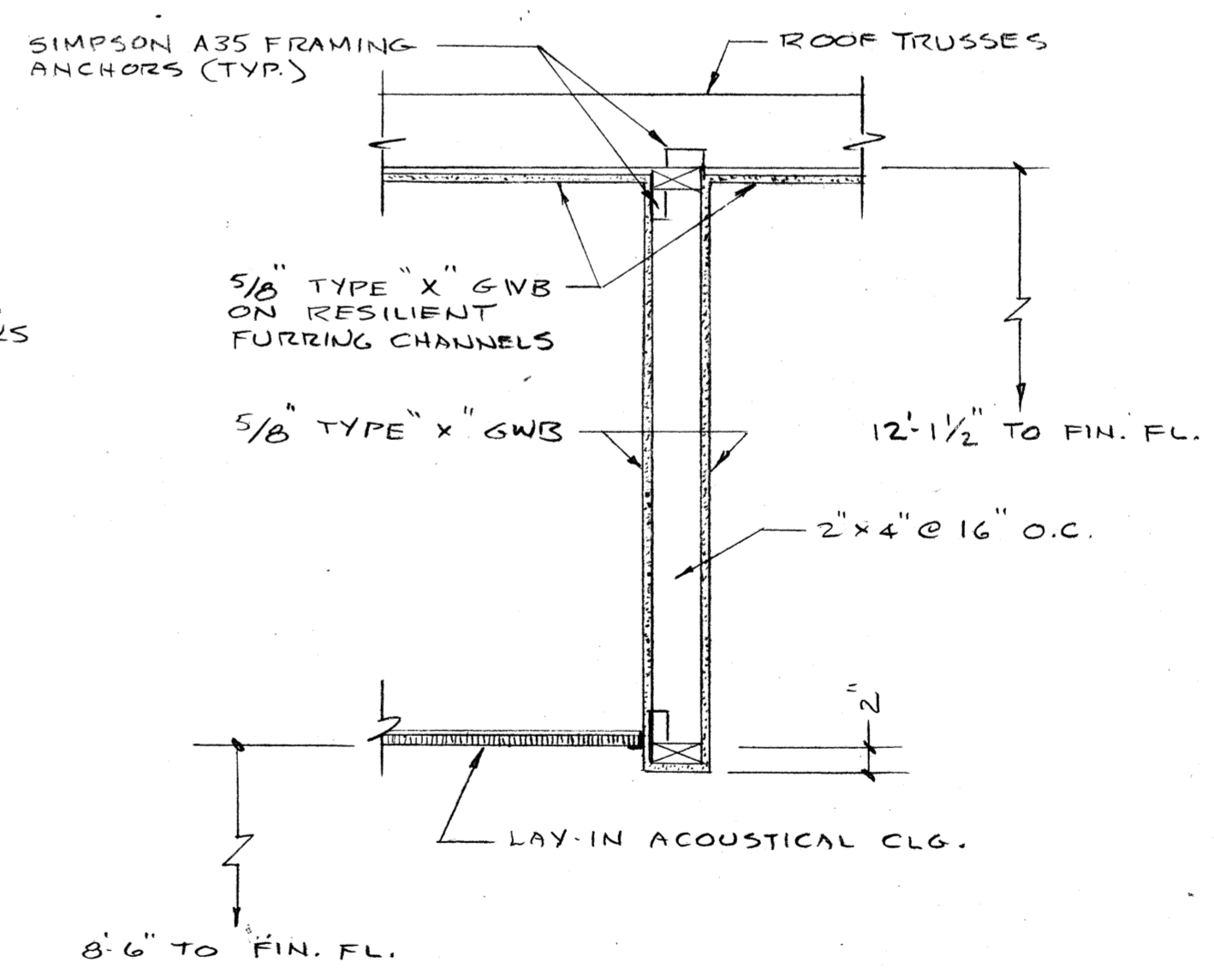
TYP. STEEL COL. FIREPROOFING DET. 2  
NO SCALE A3.3



GLASS BLOCK SILL DET. 3  
SCALE: 1" = 1'-0" A3.3  
SEE ALSO DET. 1/S3.1



COLUMN FURRING DET. 4  
SCALE: 1" = 1'-0" A3.3

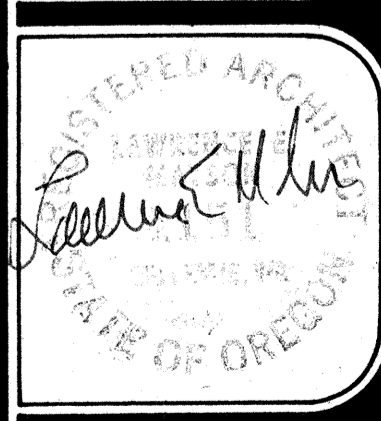


CEILING FURR-DOWN DET. 5  
SCALE: 1" = 1'-0" A3.3

Job no. 93-1d  
date 9-25-74  
scale  
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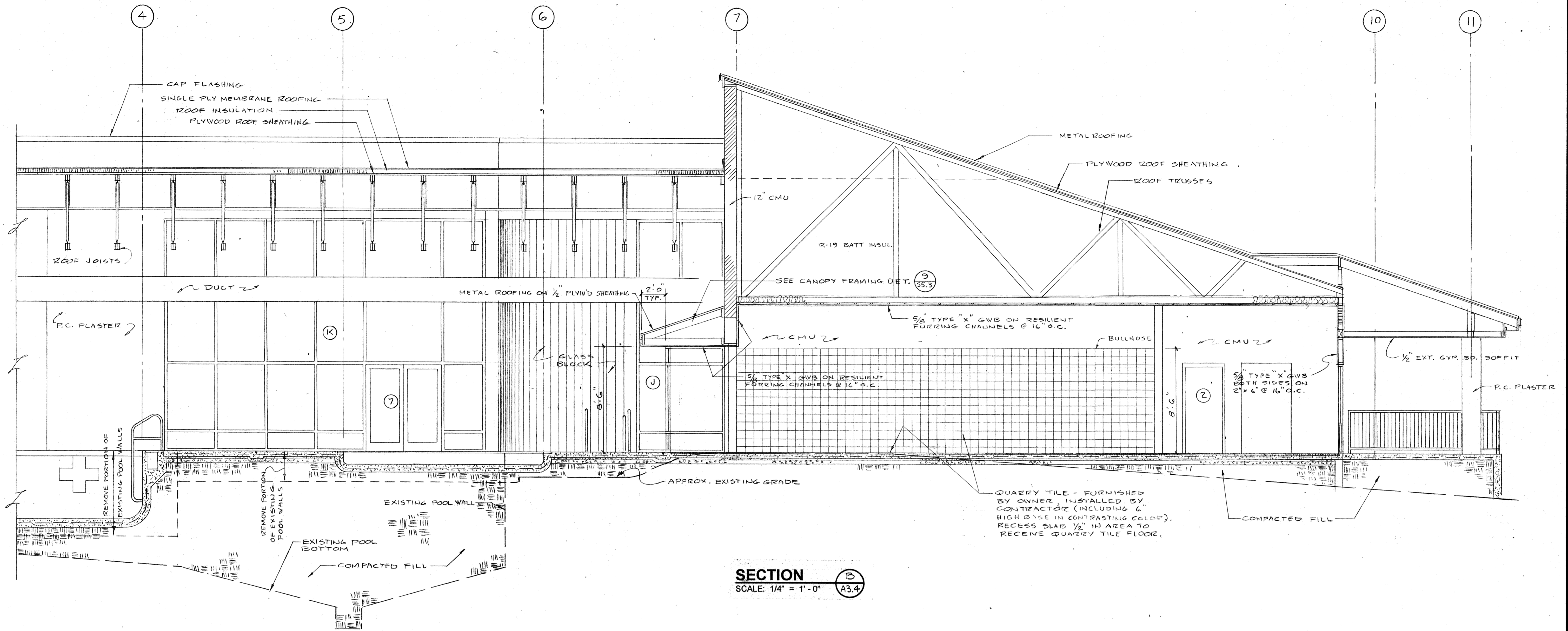
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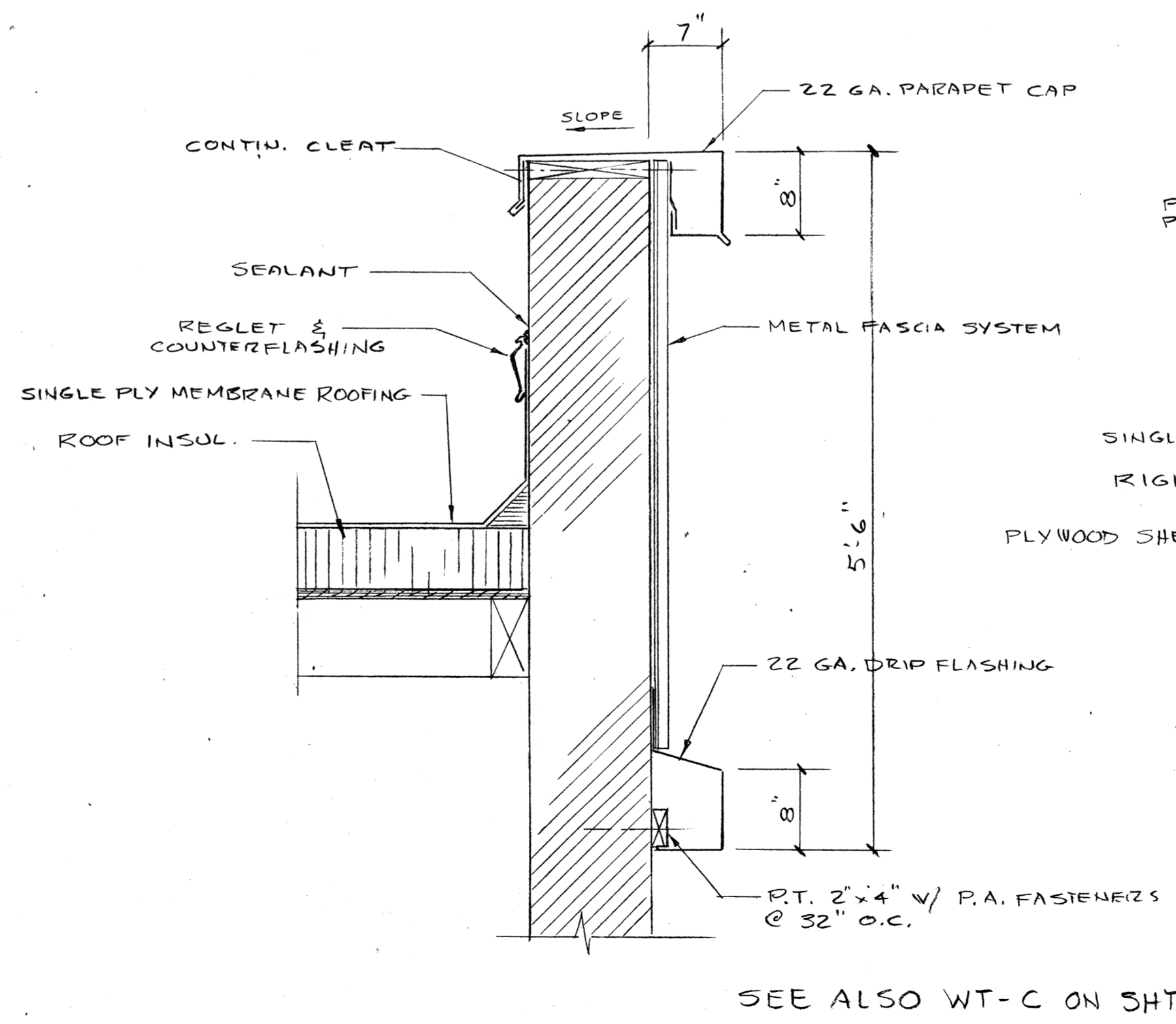


sheet  
A3.3  
OF 3.5

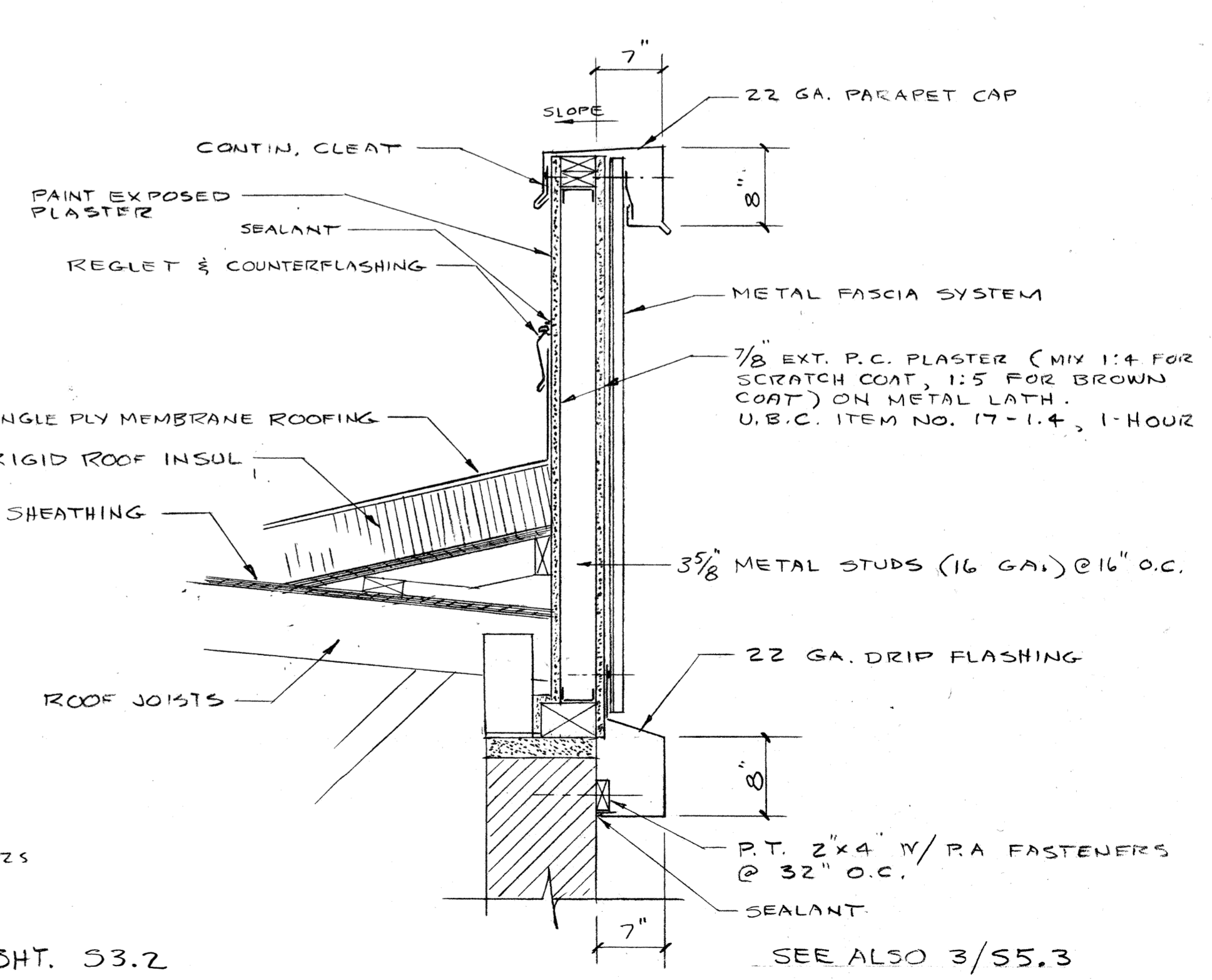




**SECTION B**  
SCALE: 1/4" = 1'-0" A3.4



**PARAPET DET. 2**  
SCALE: 1" = 1'-0" A3.4

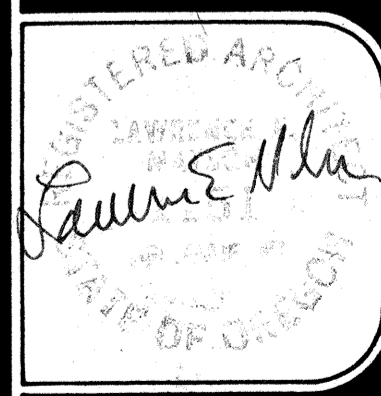


**PARAPET DET. 1**  
SCALE: 1" = 1'-0" A3.4

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date 9-29-94
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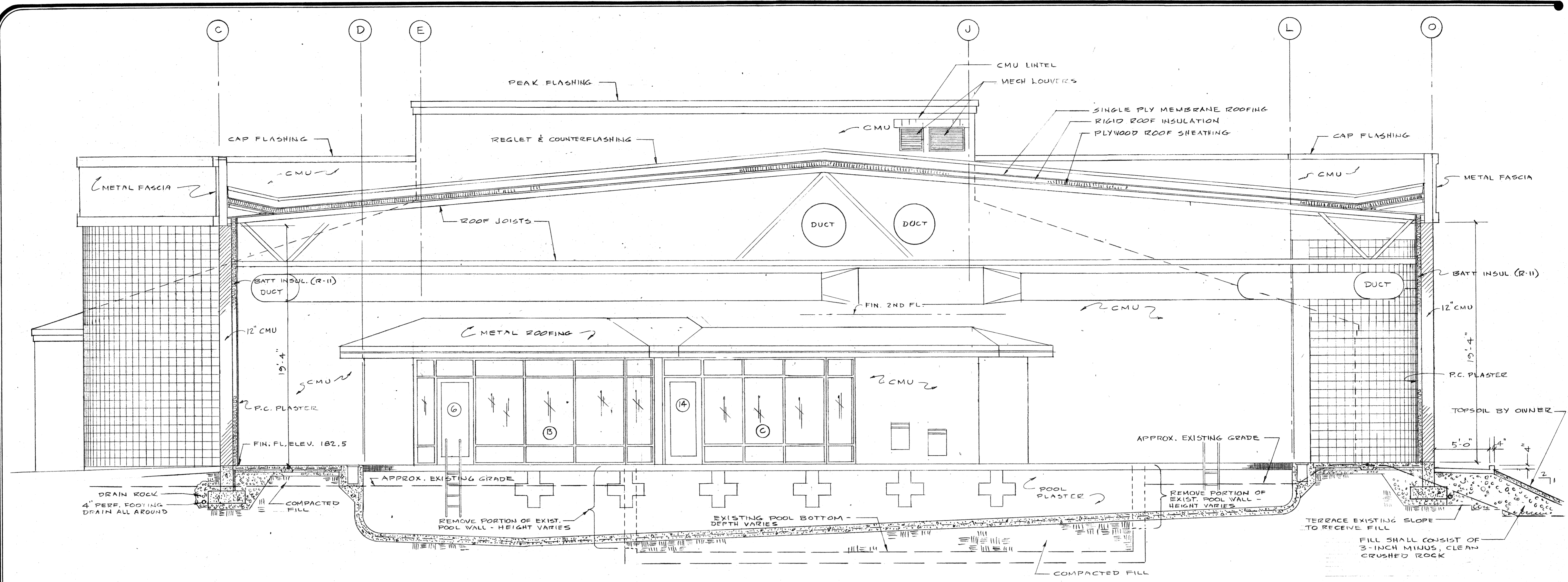
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sheet  
**A3.4**



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**SECTION C**  
 SCALE: 1/4" = 1'-0" A3.5

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date 9-29-94
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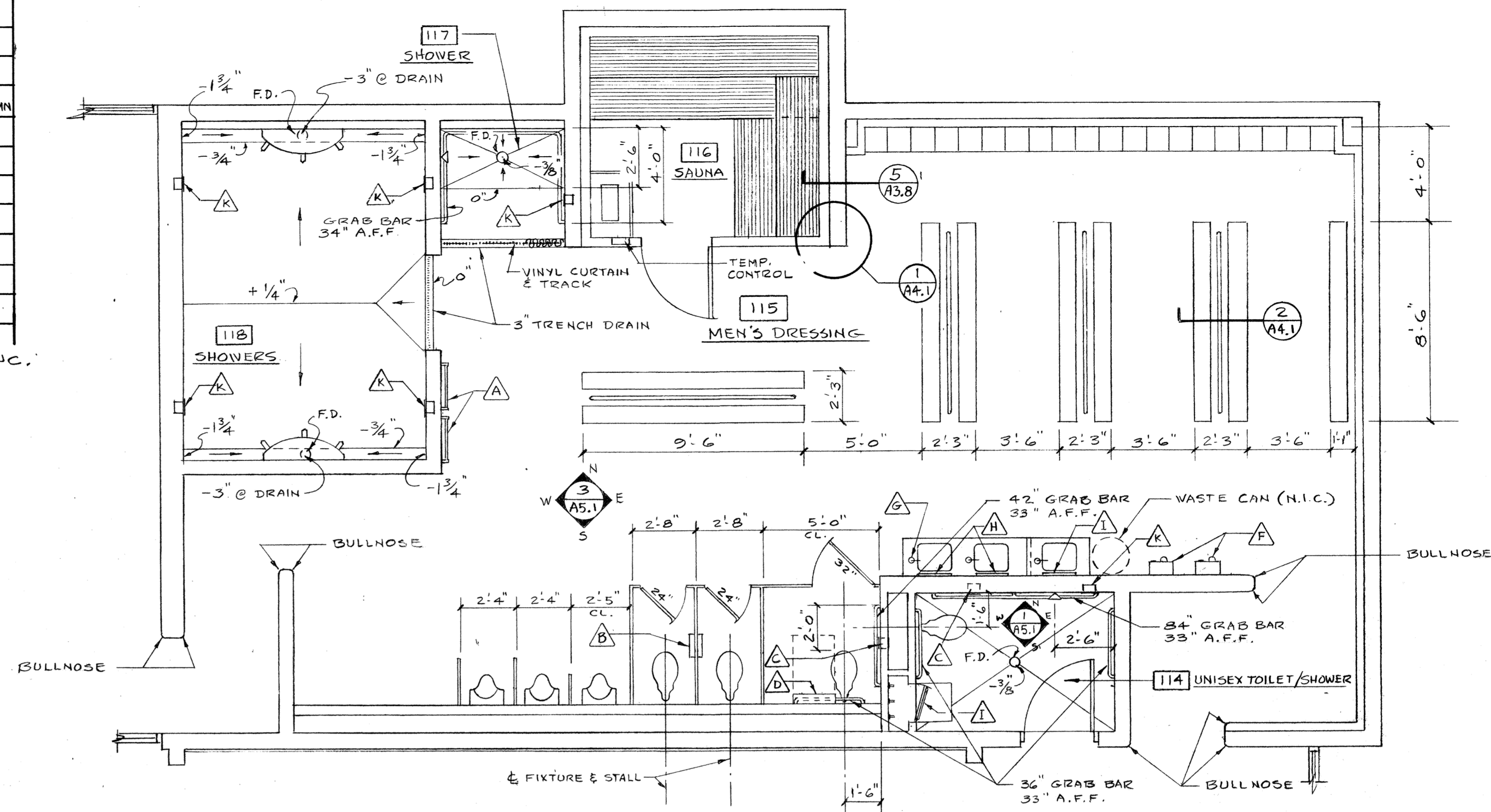
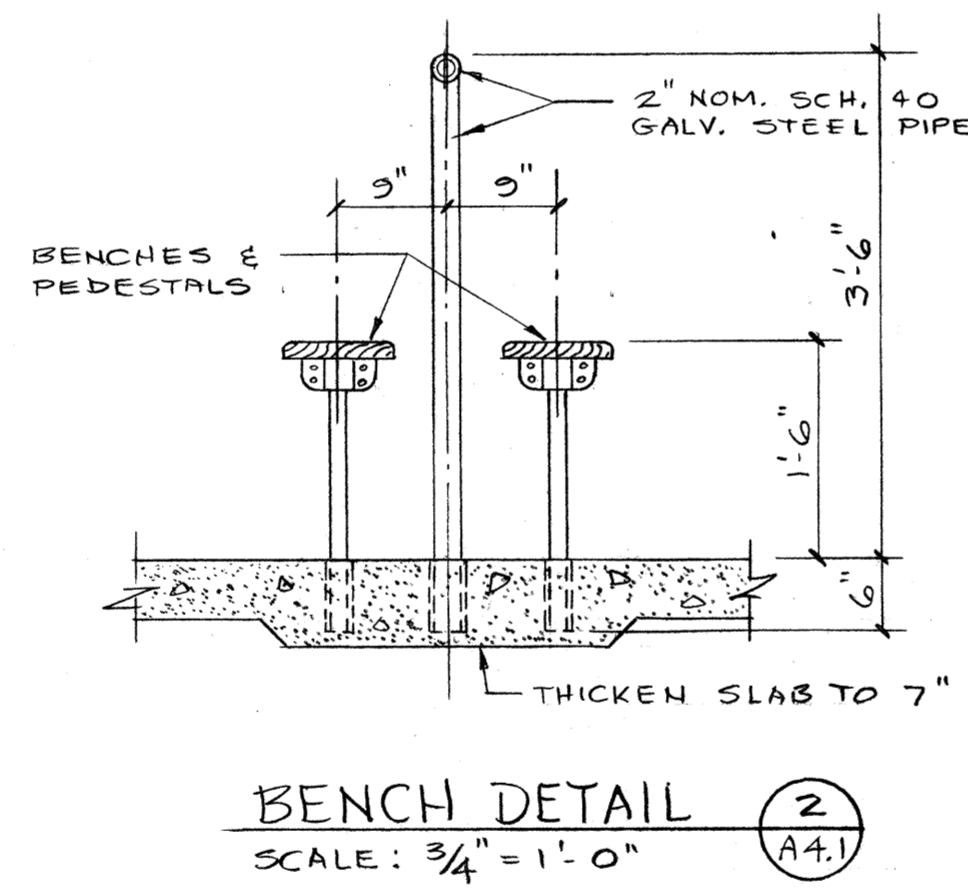
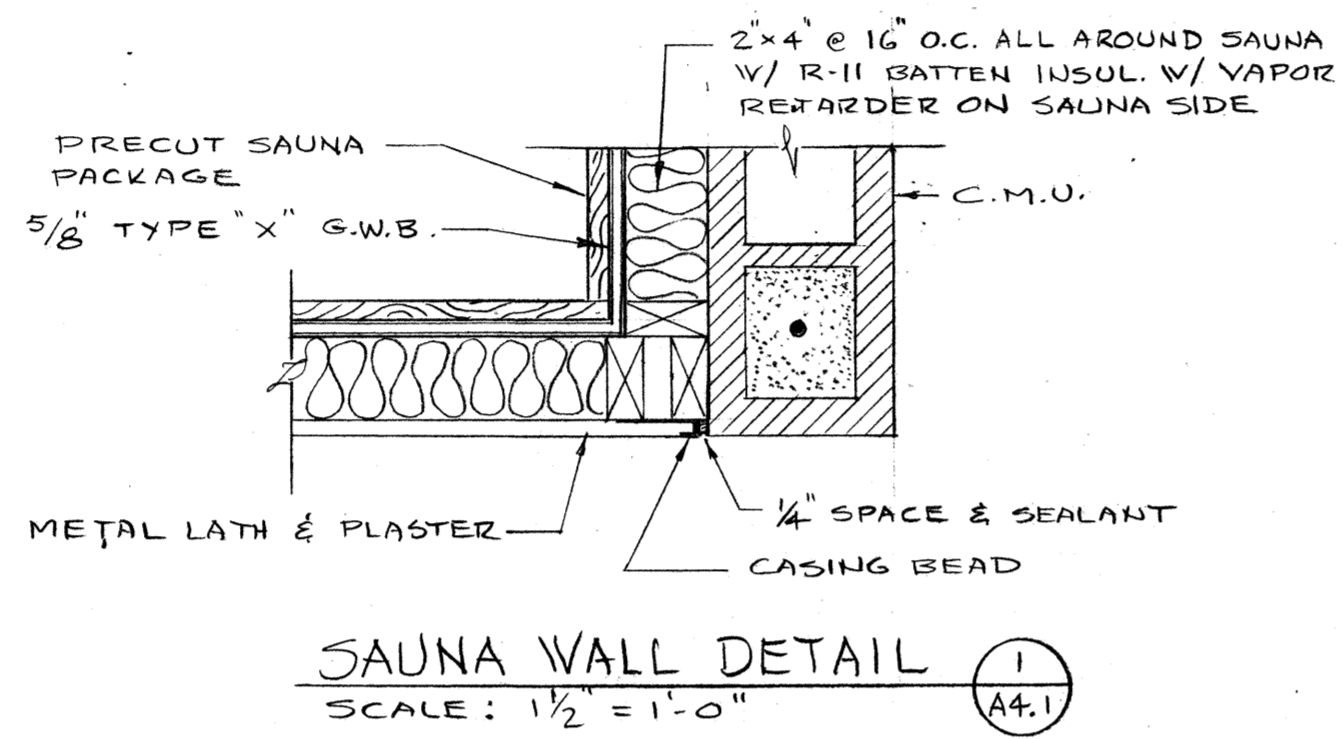


sheet **A3.5**  
 OF 3.5

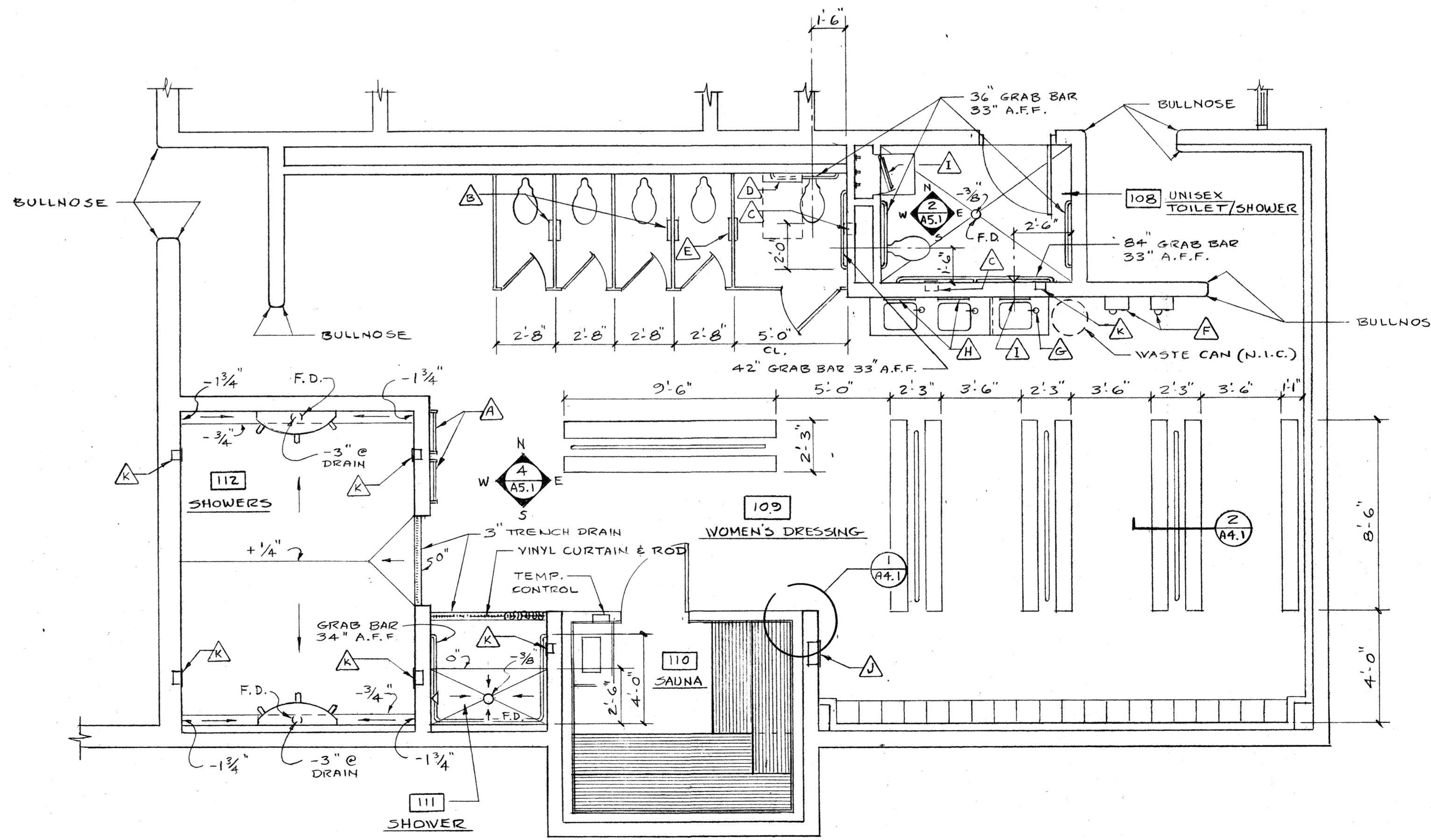
DATEPLOT 808971

WASHROOM ACCESSORY SCHEDULE			
SYMBOL	DESCRIPTION	REMARKS	
A	TOWEL BARS	B-674	4 REQ'D IN EACH DRESSING ROOM. MOUNT 2 @ 5'-8" AFF & 2 @ 3'-4" A.F.F.
B	TOILET TISSUE HOLDER	B-386	DUAL ROLL, PARTITION MOUNTED
C	TOILET TISSUE HOLDER	B-697	DUAL ROLL, RECESSED
D	BABY CHANGING STATION		KOALA BEAR CARE CHANGING STATION, JBJ INDUSTRIES, ST. PAUL, MN
E	NAPKIN/TAMPON DISPOSAL	B-354	PARTITION MOUNTED
F	HAND/HAIR DRYER	B-7817	
G	SOAP DISPENSER	B-8226	
H	MIRROR	B-165 1830	
I	MIRROR - TILTING	B-294 1630	
J	NAPKIN/TAMPON DISPENSER	B-3500	RECESSED
K	SOAP DISPENSER	B-4063	RECESSED MOUNTED 3'-4" A.F.F.

MODEL NO'S ARE THOSE OF BOBRICK WASHROOM EQUIPMENT, INC.



**MEN'S DRESSING ROOM FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

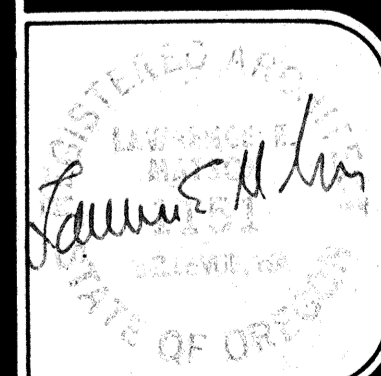


**WOMEN'S DRESSING ROOM FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

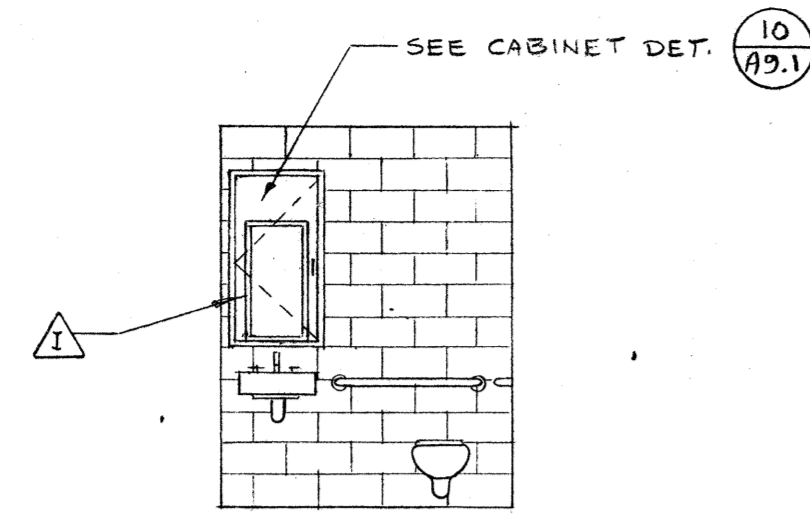
Job no. 93-10  
date 9-29-94  
scale  
drawn by  
checked by  
appr. by

**SWIMMING POOL FOR THE CITY OF WOODBURN WOODBURN, OREGON**

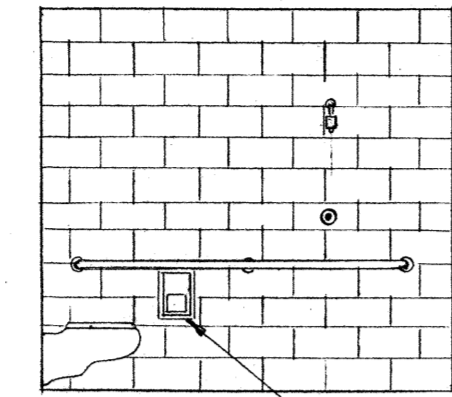
**LAWRENCE E. MATSON ARCHITECT, A.I.A.**  
• architecture  
• planning  
• engineering



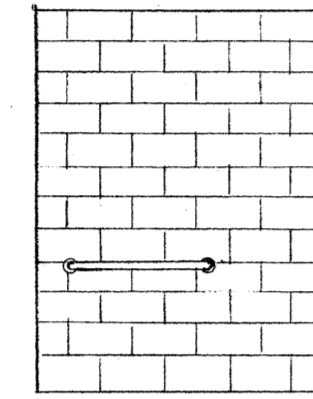
sheet  
**A4.1**  
of 4.1



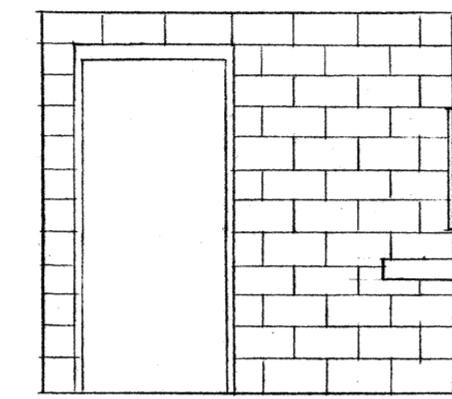
ELEVATION  $\frac{1}{A5.1}$  W (AS SHOWN)  
 ELEVATION  $\frac{2}{A5.1}$  W (OPP. HAND)  
 SCALE:  $\frac{1}{4}'' = 1'-0''$



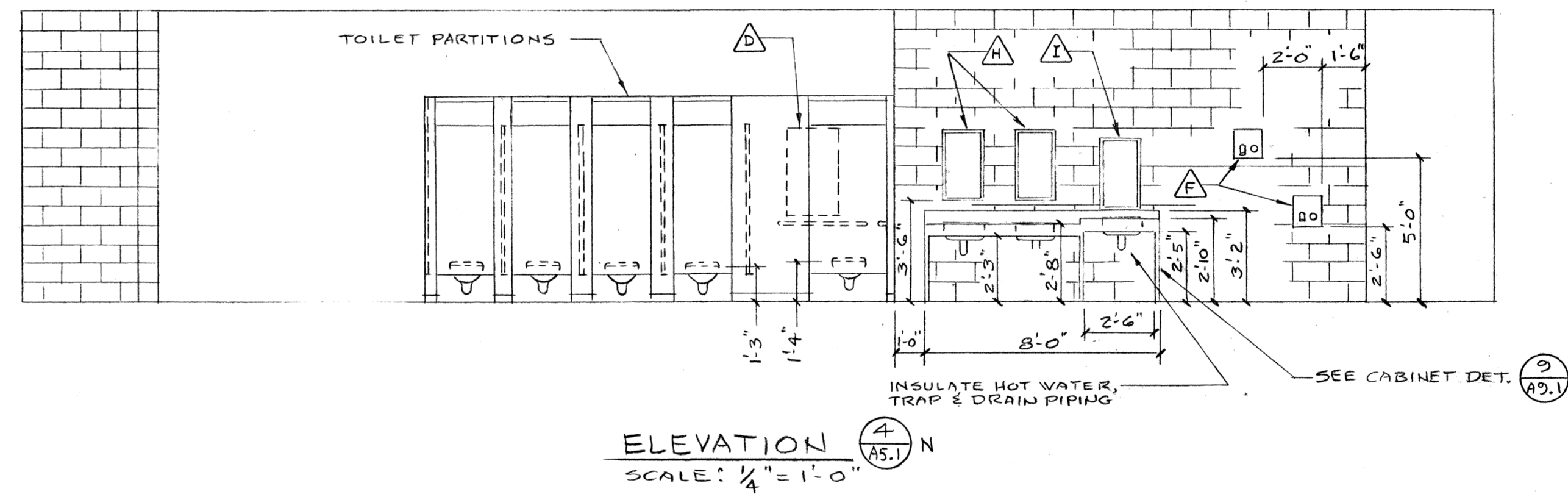
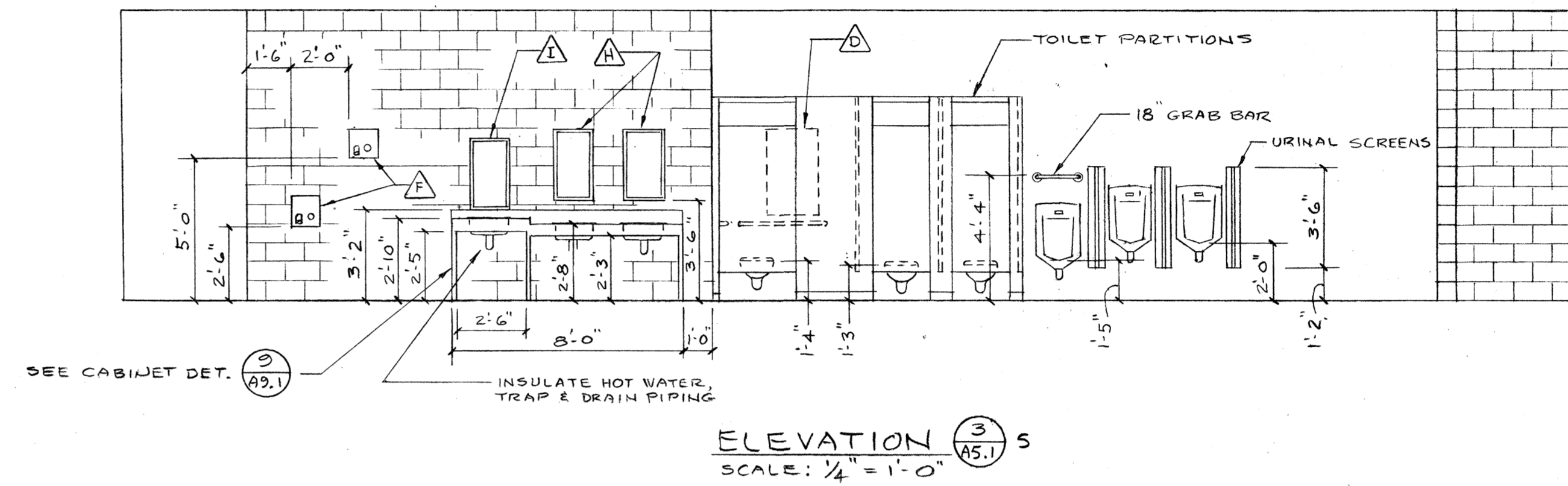
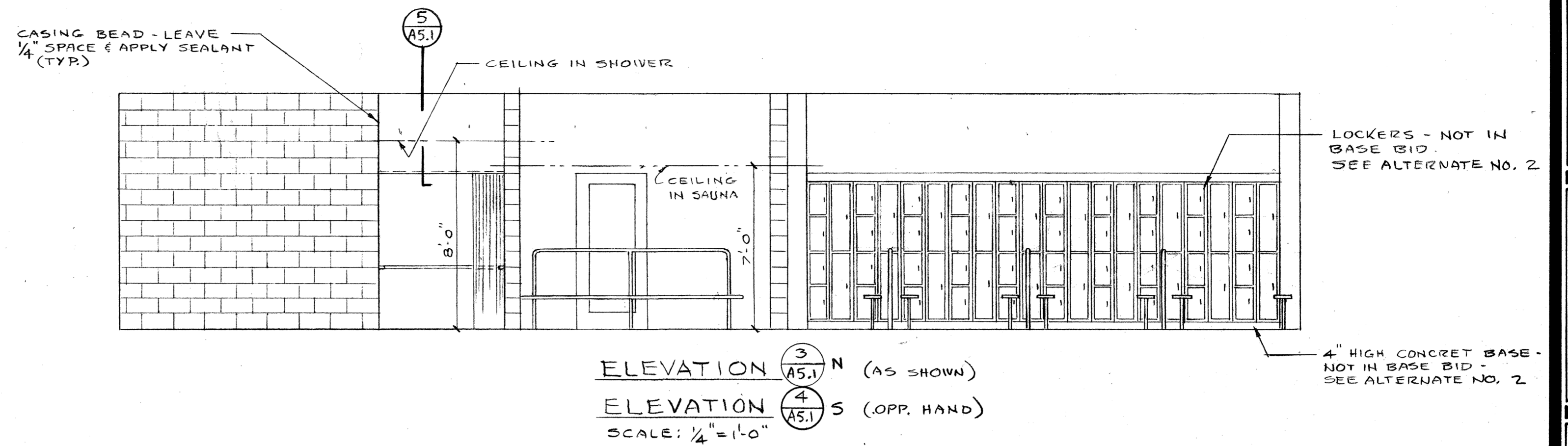
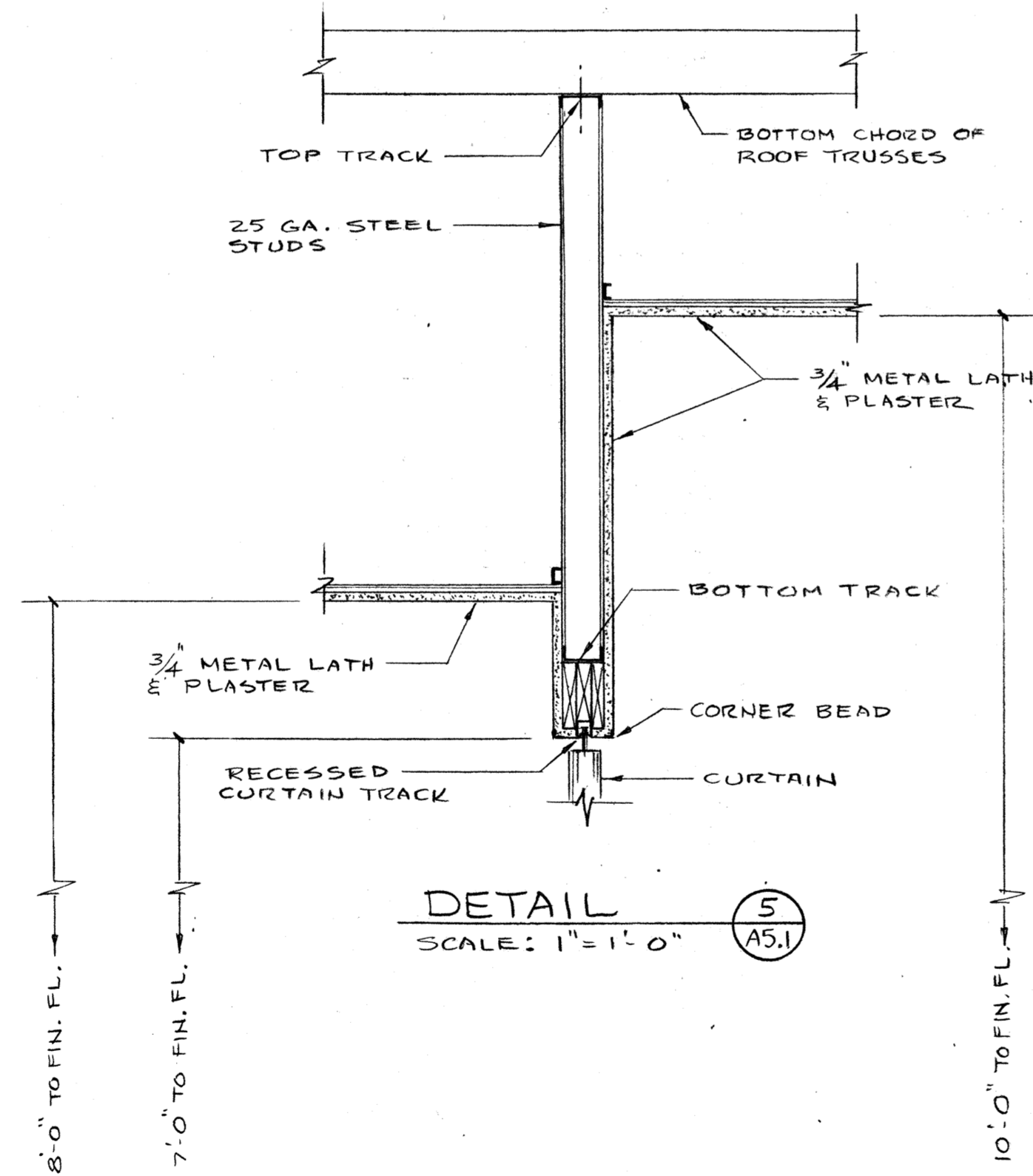
ELEVATION  $\frac{1}{A5.1}$  N (AS SHOWN)  
 ELEVATION  $\frac{2}{A5.1}$  S (OPP. HAND)  
 SCALE:  $\frac{1}{4}'' = 1'-0''$



ELEVATION  $\frac{1}{A5.1}$  E (AS SHOWN)  
 ELEVATION  $\frac{2}{A5.1}$  E (OPP. HAND)  
 SCALE:  $\frac{1}{4}'' = 1'-0''$



ELEVATION  $\frac{1}{A5.1}$  S (AS SHOWN)  
 ELEVATION  $\frac{2}{A5.1}$  N (OPP. HAND)  
 SCALE:  $\frac{1}{4}'' = 1'-0''$

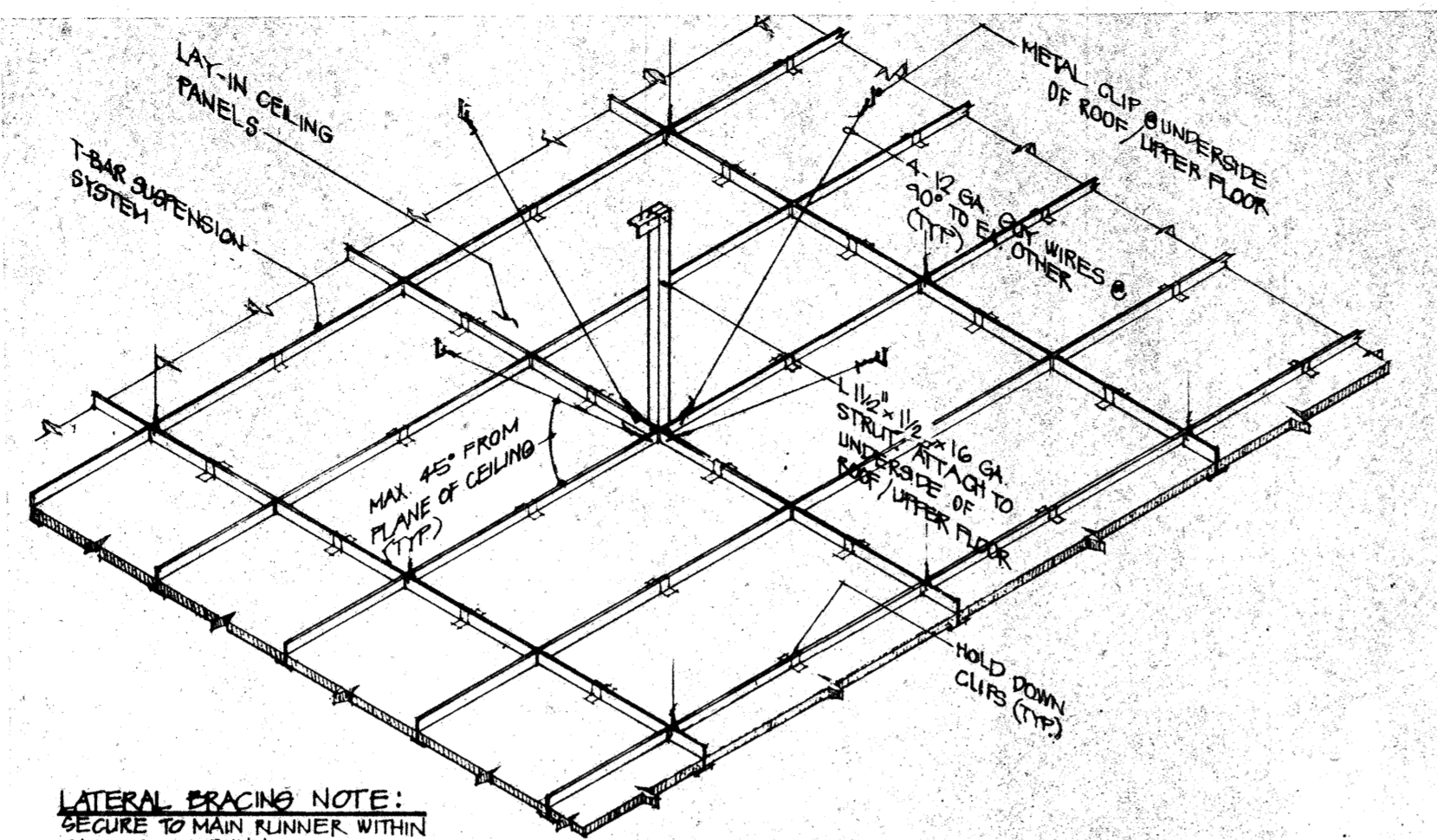


Job no. 93-10  
 date 9-29-94  
 scale  
 drawn by  
 checked by  
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SWIMMING POOL  
 FOR THE  
 CITY OF WOODBURN  
 WOODBURN, OREGON

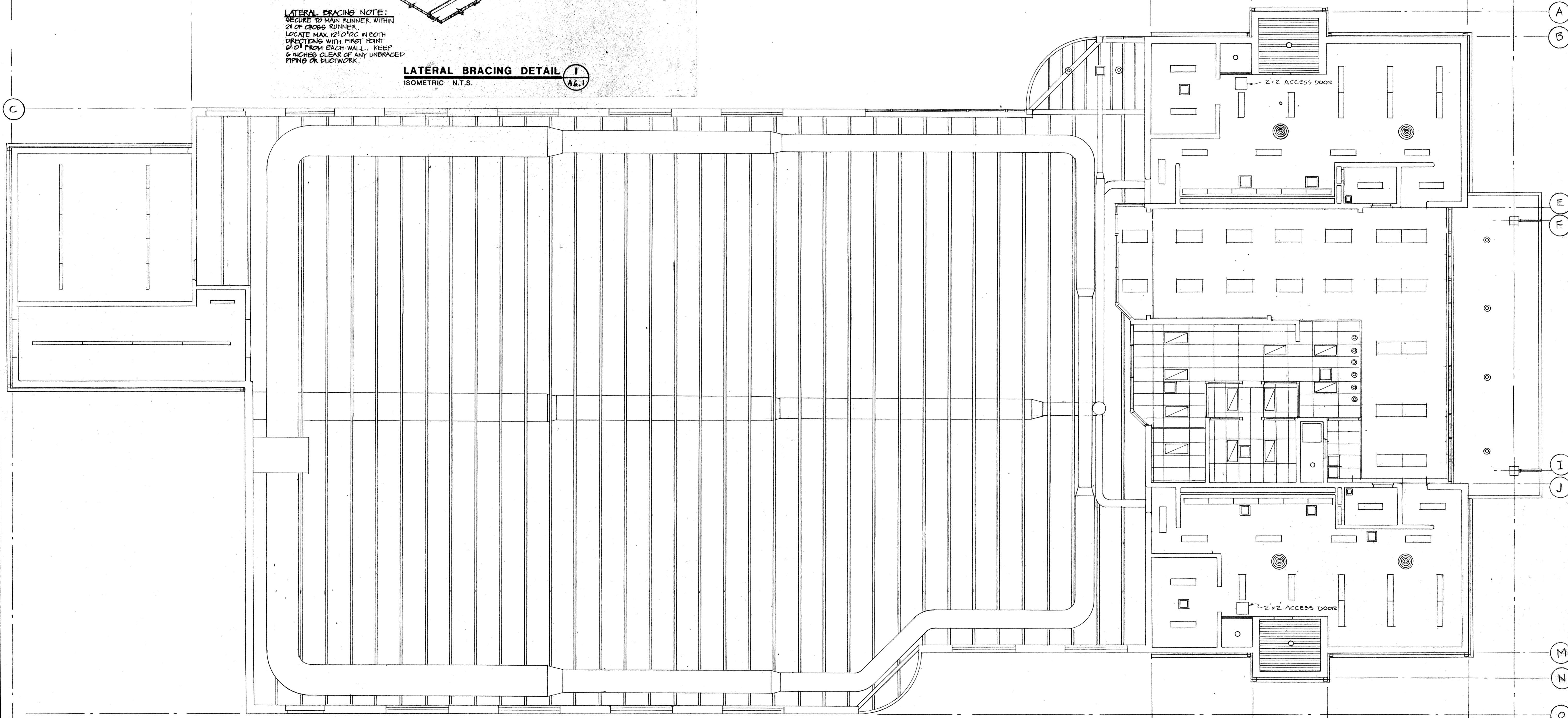
LAWRENCE E. MATSON  
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 14042 NE 8TH STREET, SUITE 101  
 BELLEVUE, WASHINGTON 98007  
 PHONE (206) 748-9049 FAX (206) 748-8886

REGISTERED PROFESSIONAL ARCHITECT  
 STATE OF WASHINGTON



**LATERAL BRACING NOTE:**  
SECURE TO MAIN RUNNER WITHIN 24" OF CROSS RUNNER.  
LOCATE MAX. 12" O.C. IN BOTH DIRECTIONS WITH FIRST POINT 6" O.C. FROM EACH WALL. KEEP 6" INCHES CLEAR OF ANY UNBRACED PIPING OR PLUMBING.

**LATERAL BRACING DETAIL**  
ISOMETRIC N.T.S.

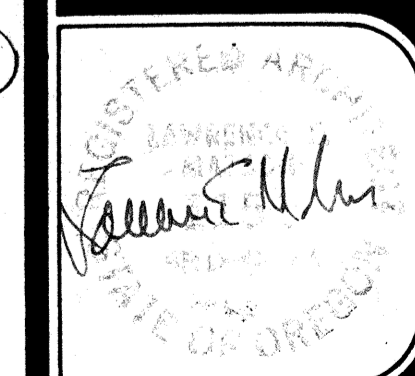


**REFLECTED CEILING PLAN**  
SCALE: 1/8" = 1'-0"

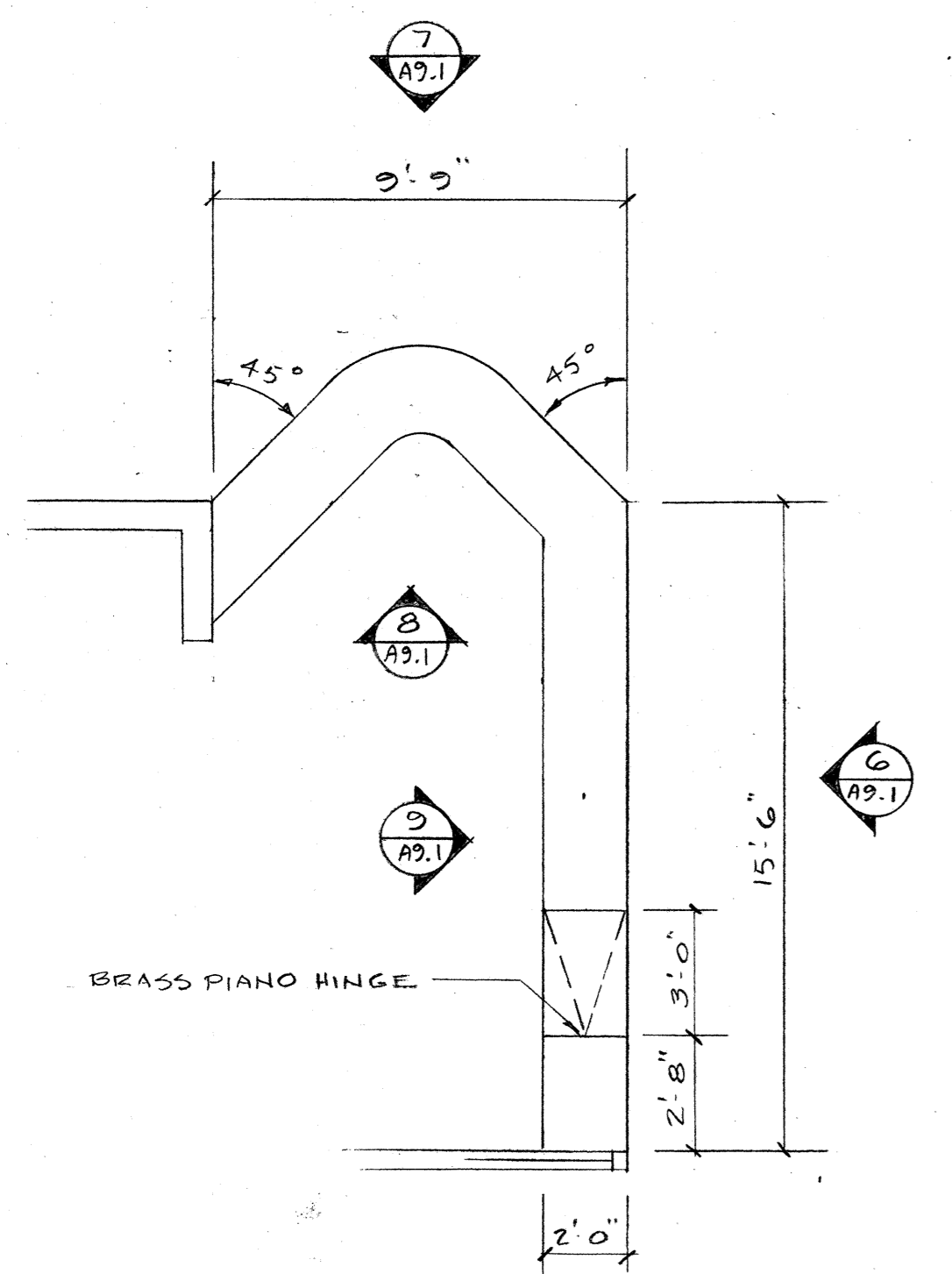
job no. 23-10
date 9-25-94
scale
drawn by
checked by
appr. by

**SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON**

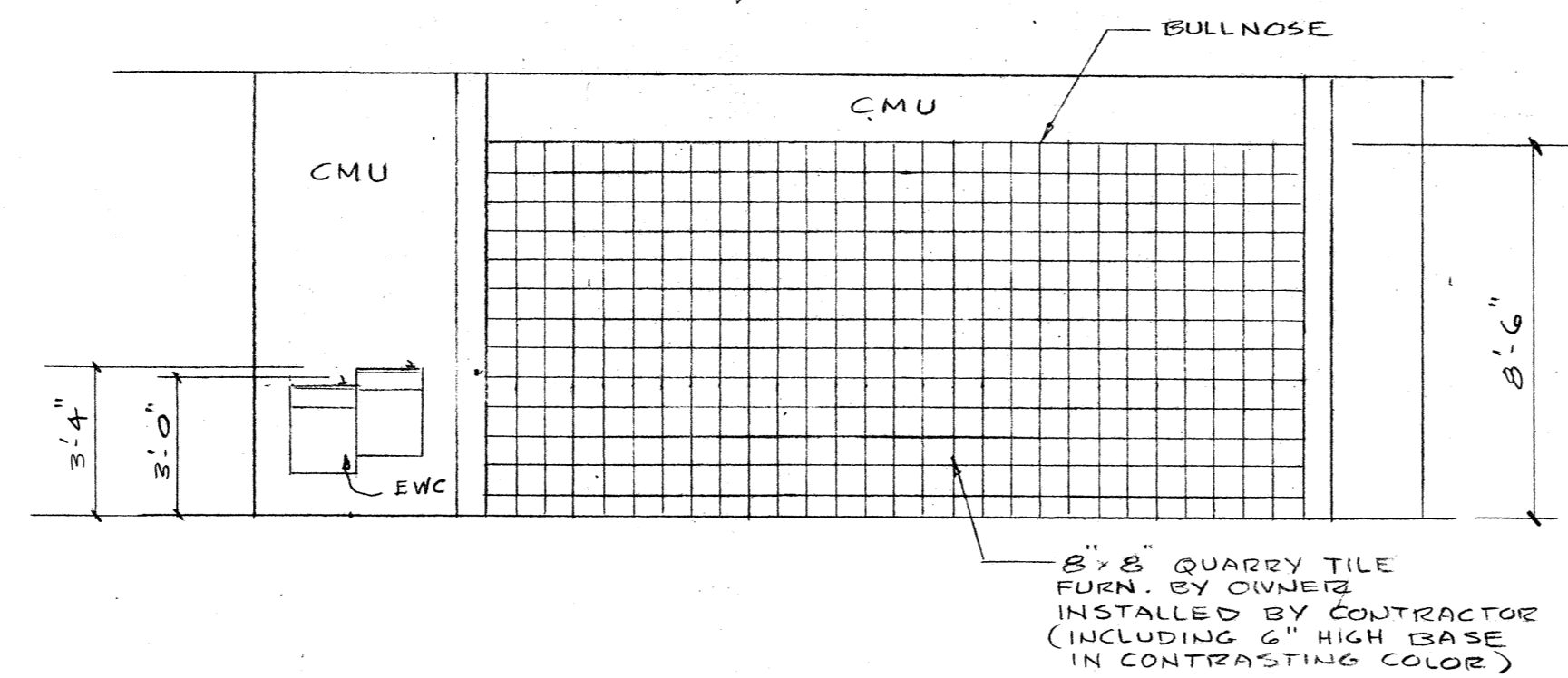
**LAWRENCE E. MATSON  
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BELLEVUE, WASHINGTON 98007  
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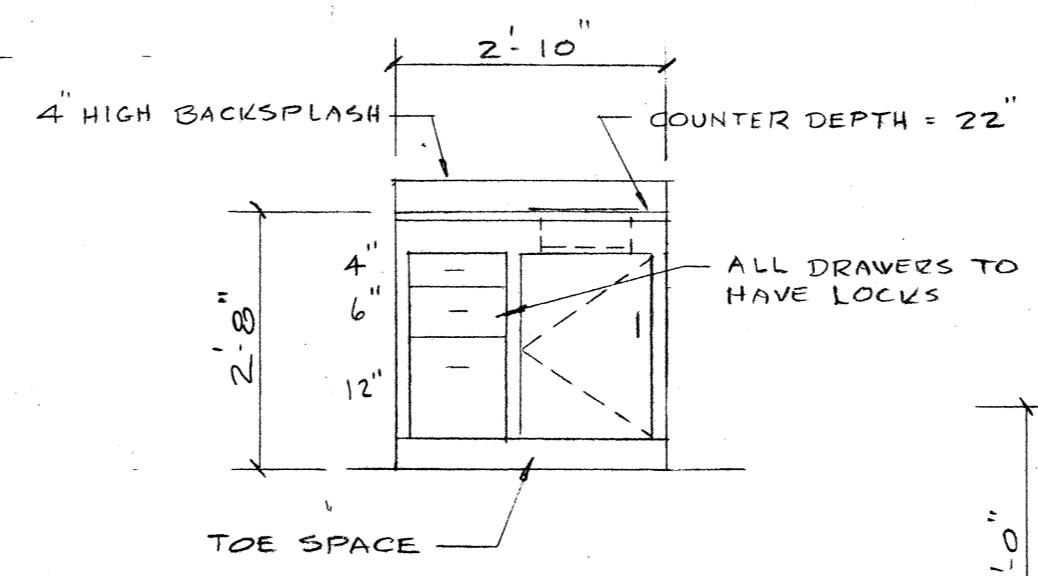
sheet  
**A6.1**  
OF 6.1



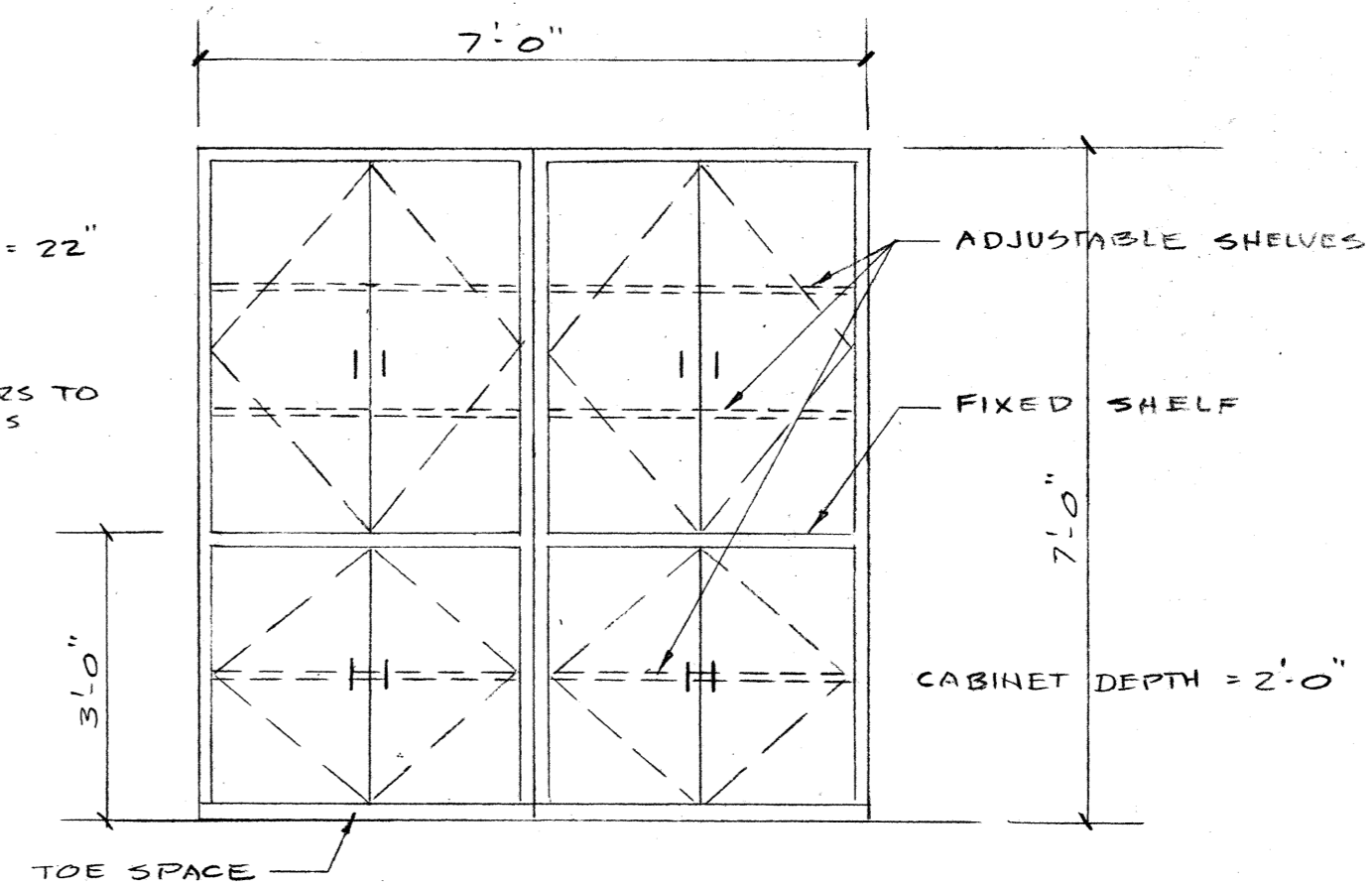
COUNTER PLAN  
SCALE: 1/4" = 1'-0"



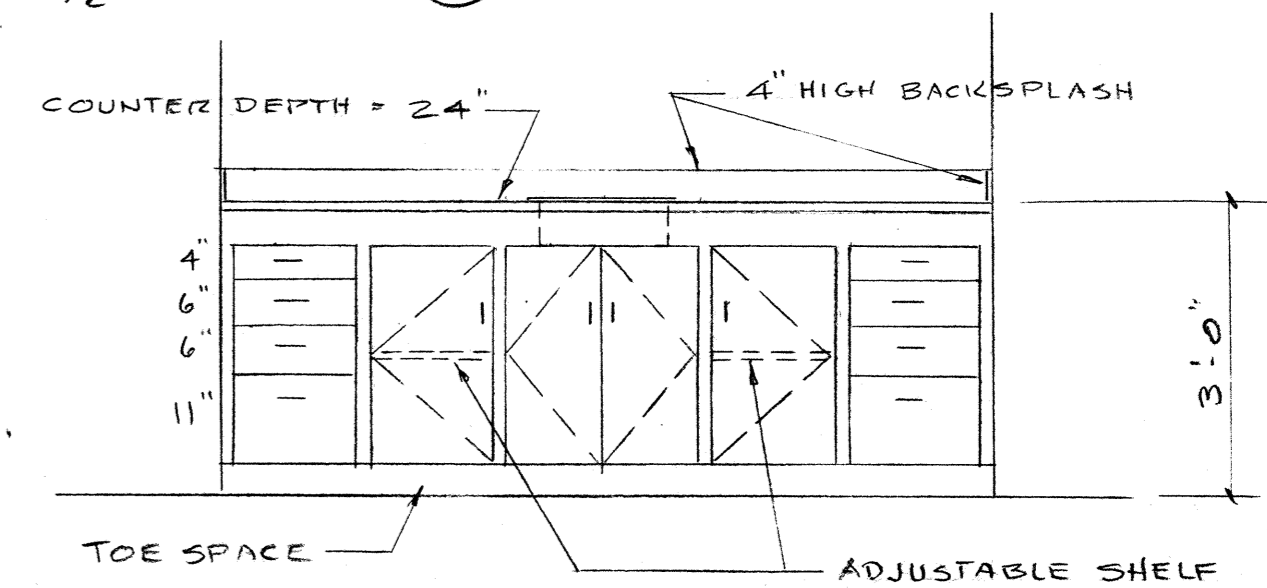
WALL ELEVATION  
SCALE: 1/4" = 1'-0"



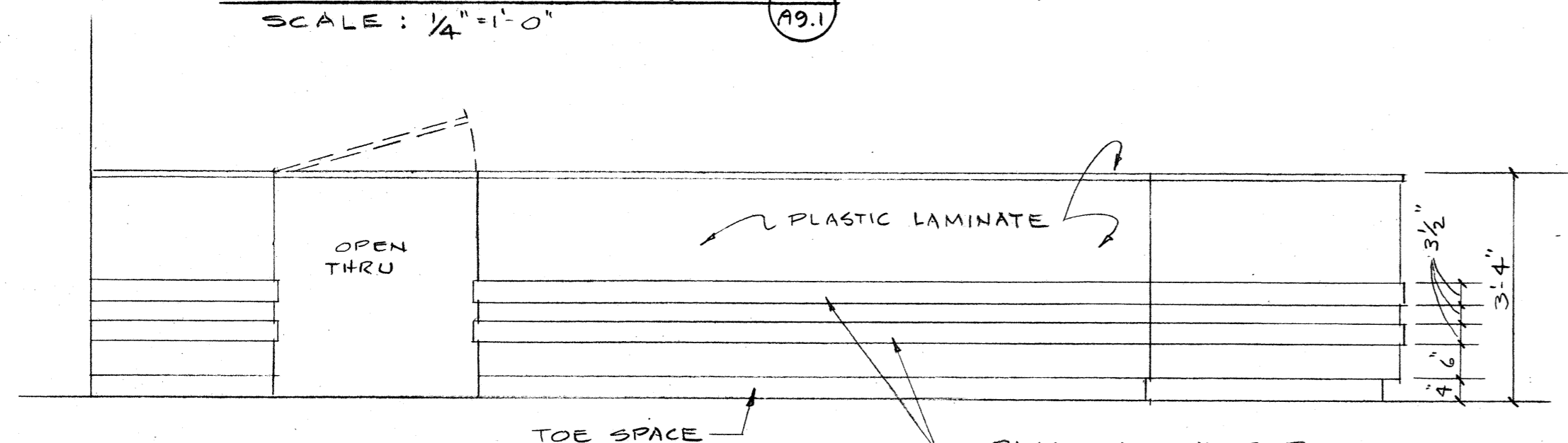
CABINET DET. 3  
SCALE: 1/2" = 1'-0"



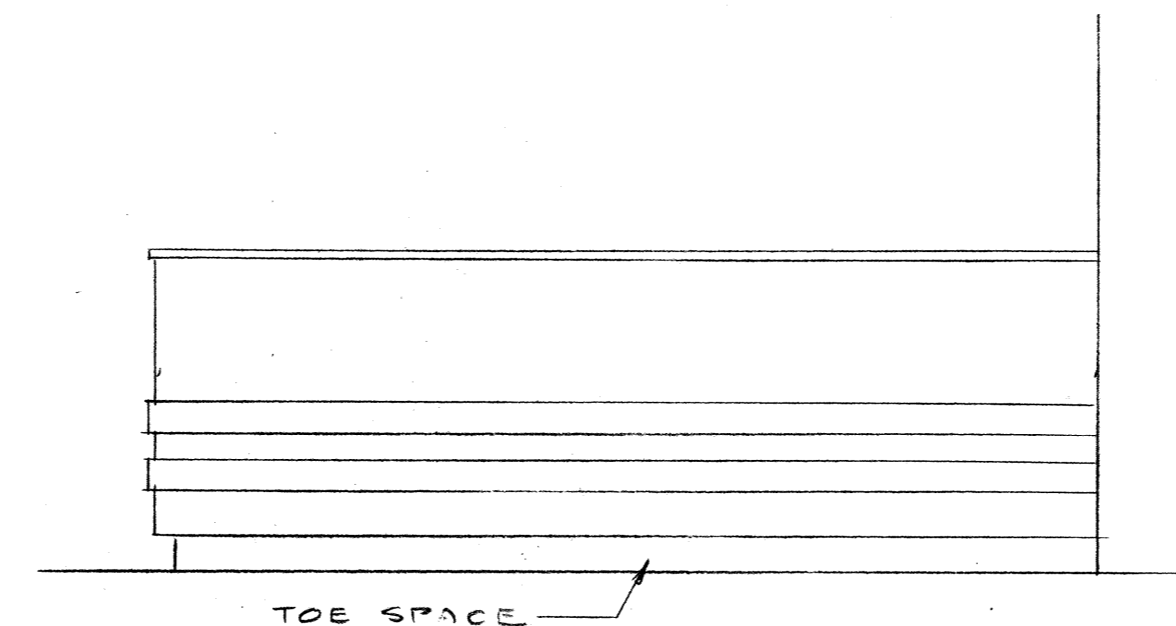
CABINET DET. 4  
SCALE: 1/2" = 1'-0"



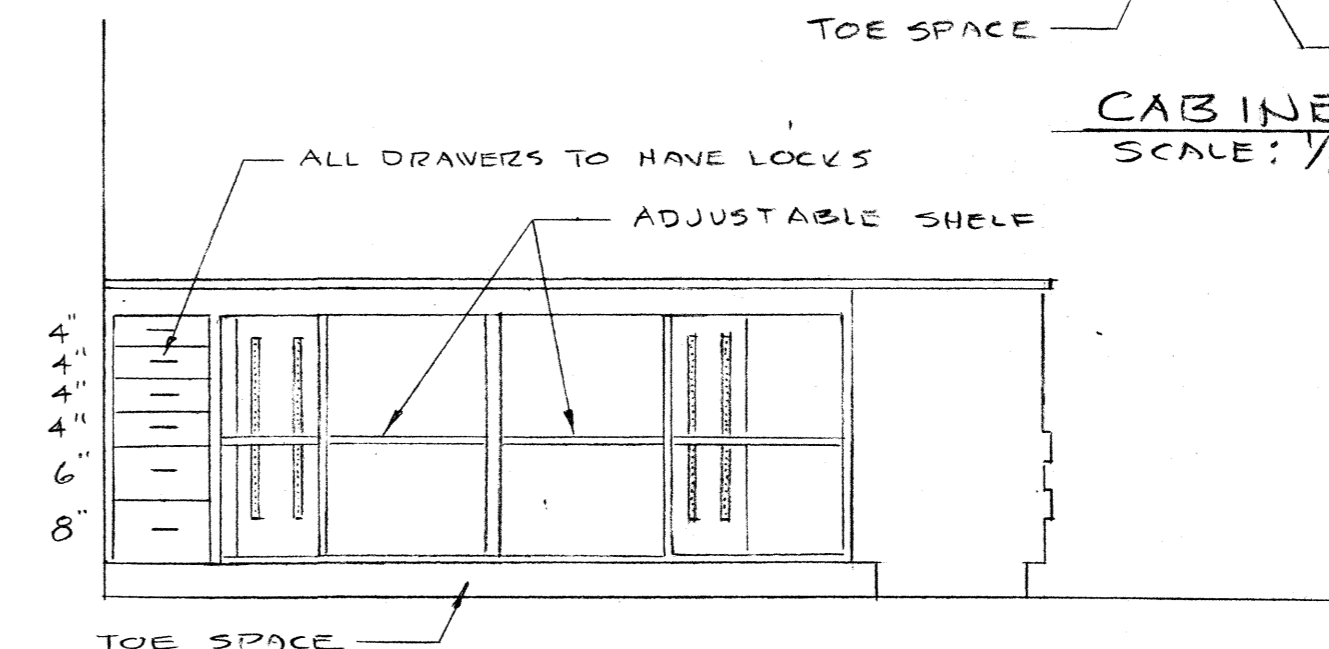
CABINET DET. 5  
SCALE: 1/2" = 1'-0"



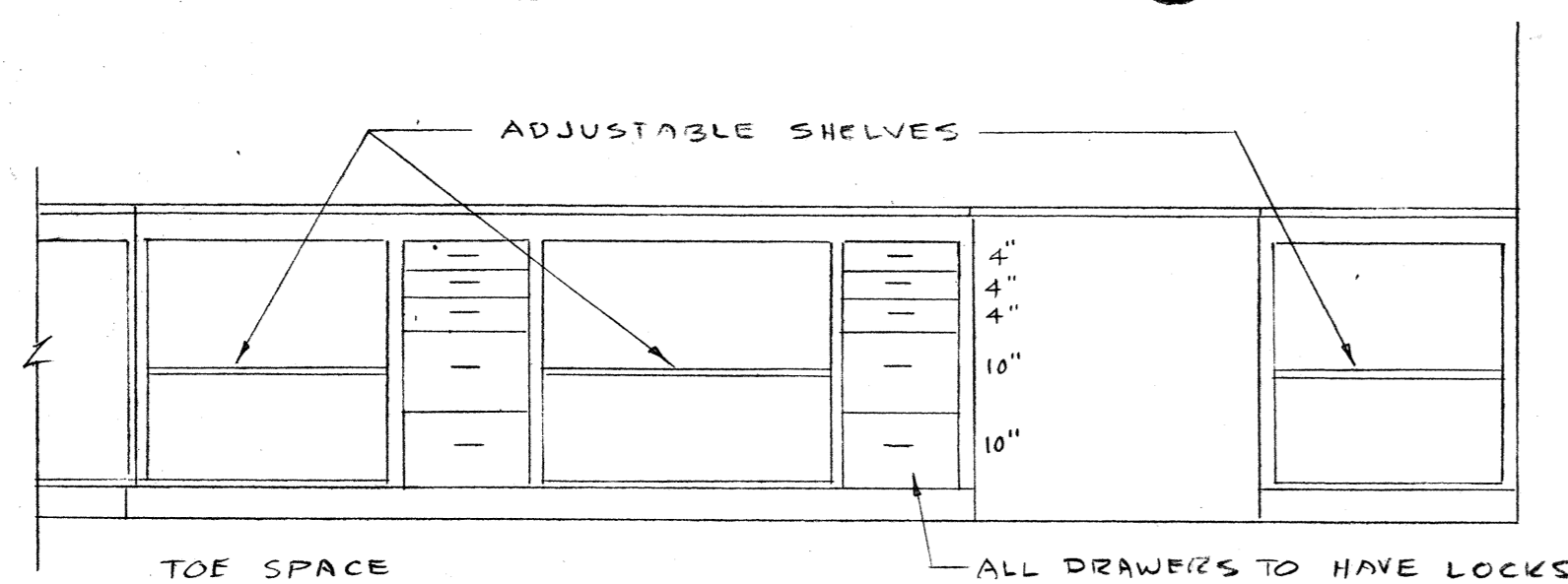
COUNTER ELEVATION  
SCALE: 1/2" = 1'-0"



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



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

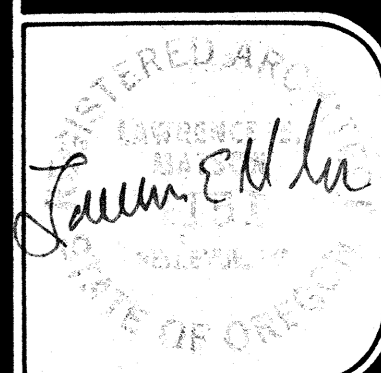


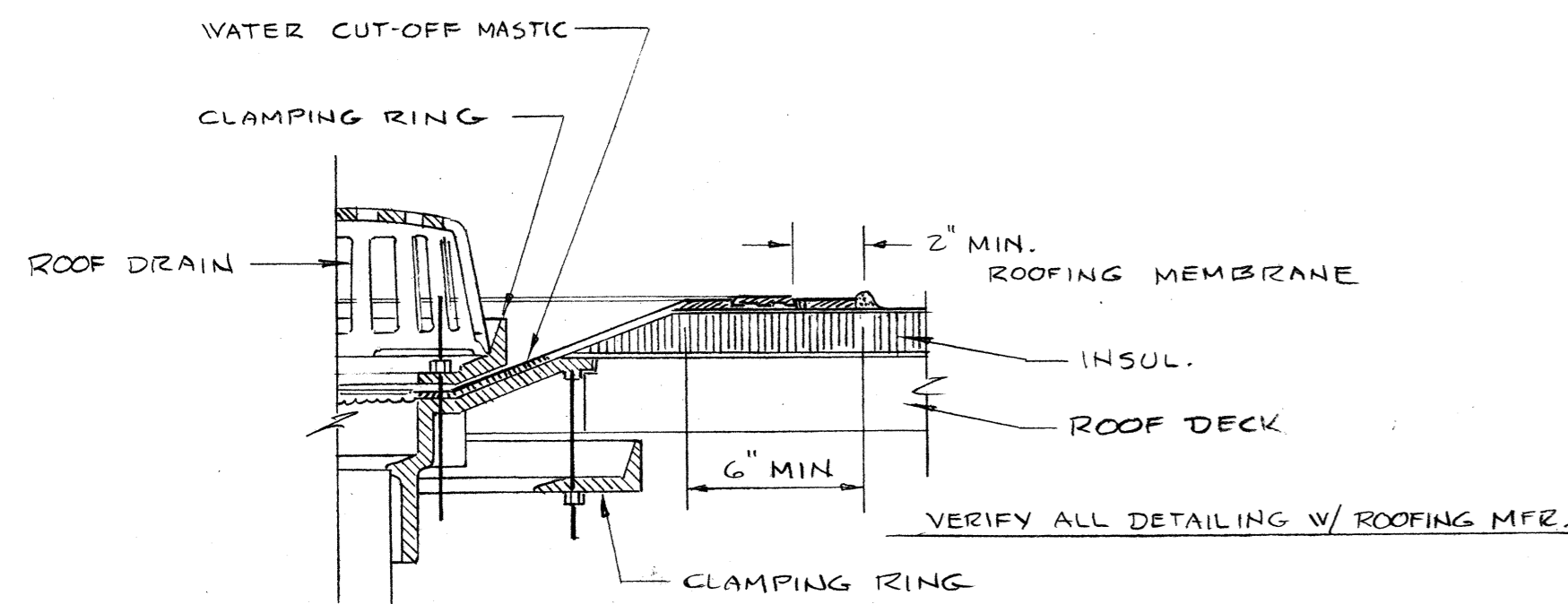
COUNTER ELEVATION  
SCALE: 1/2" = 1'-0"

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date	9-29-94
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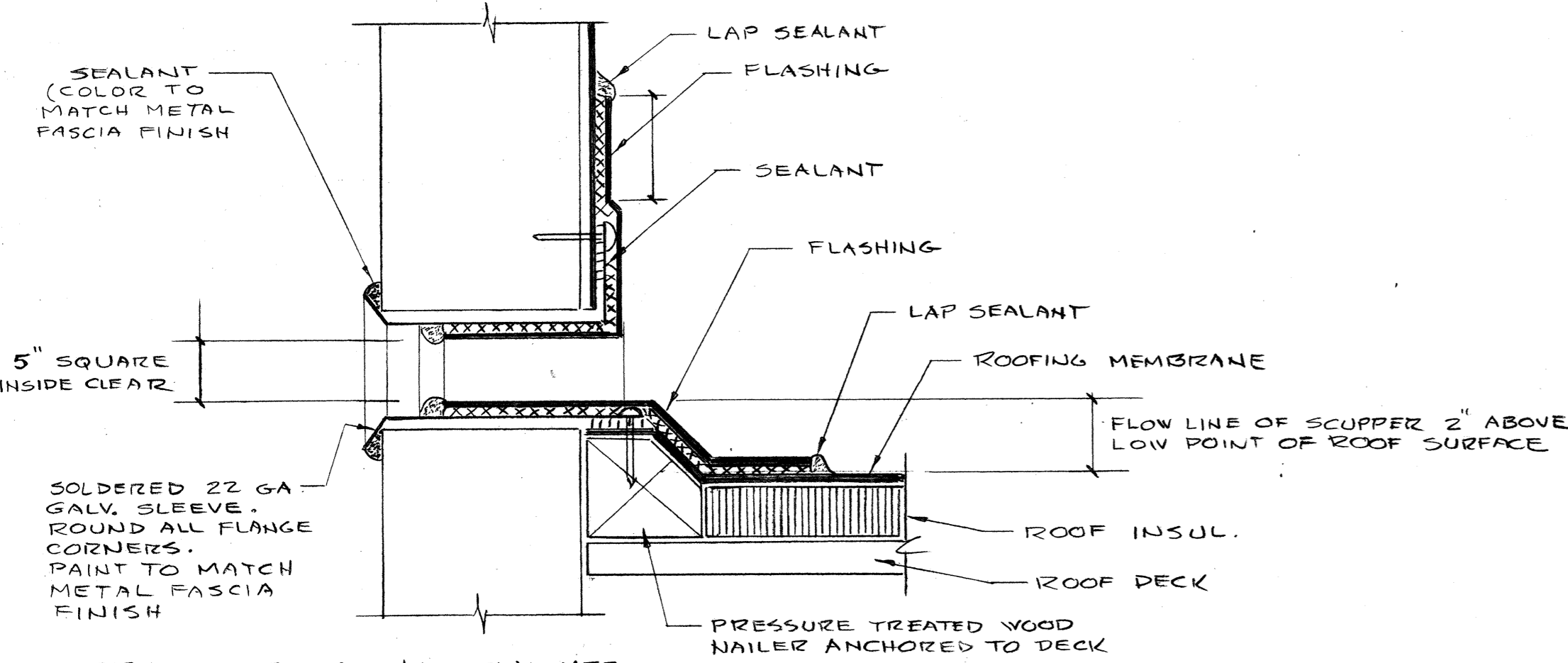
SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON

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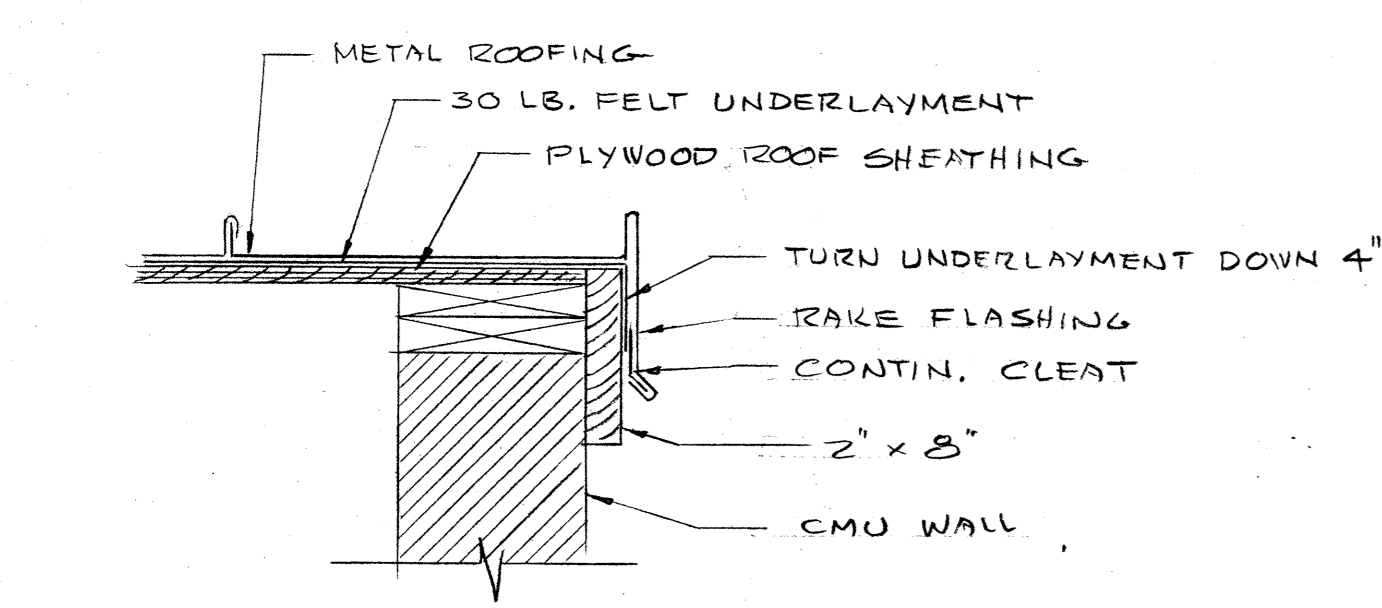




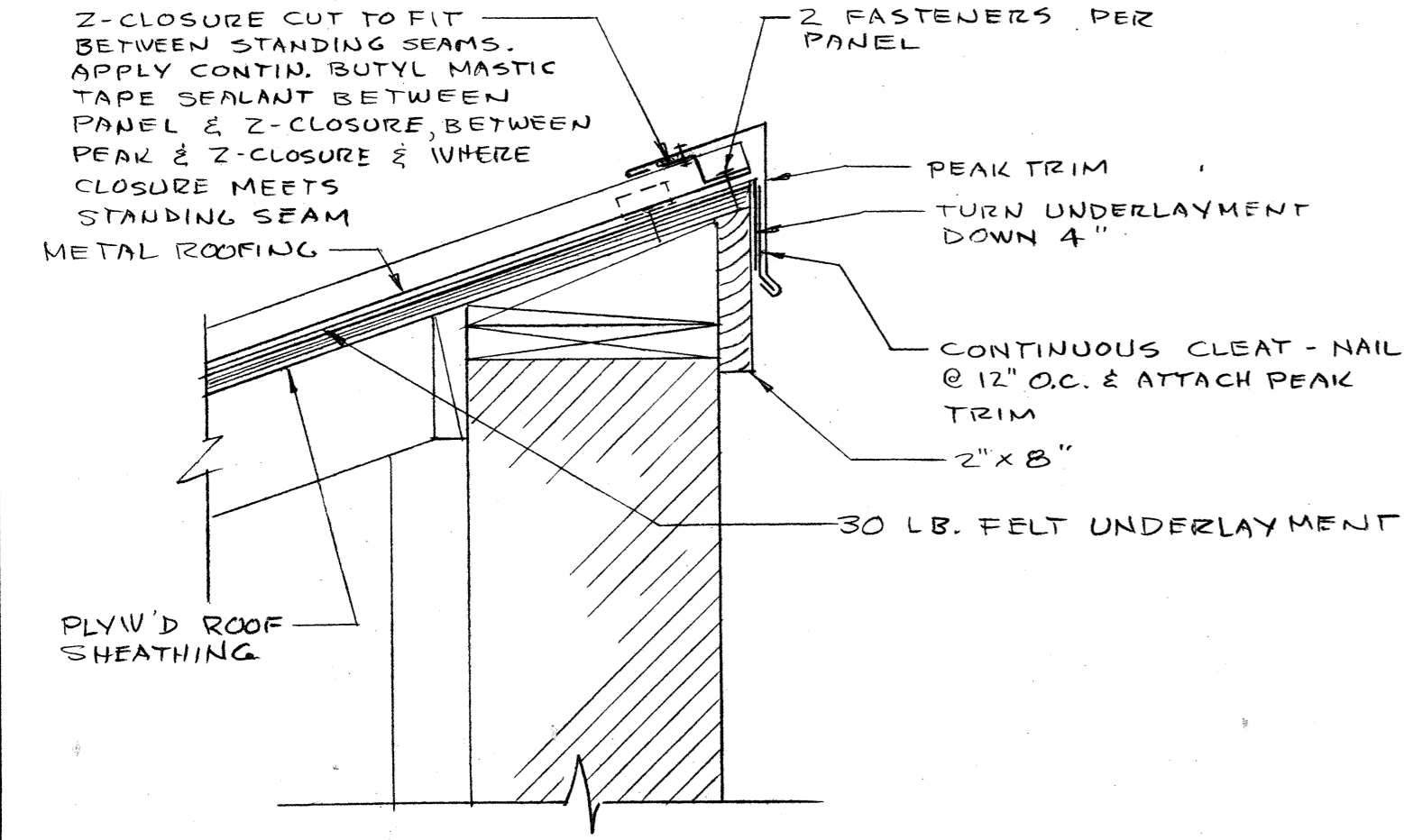
**ROOF DRAIN DET. 1**  
NO SCALE (A10.1)



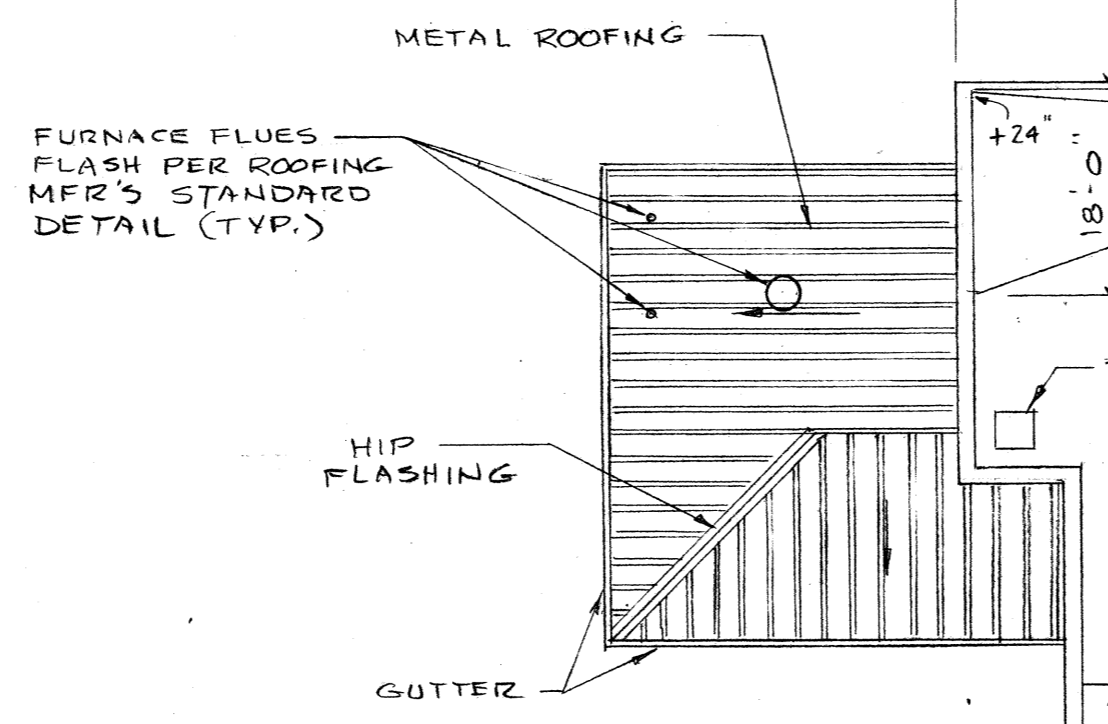
**SCUPPER DET. 2**  
NO SCALE (A10.1)



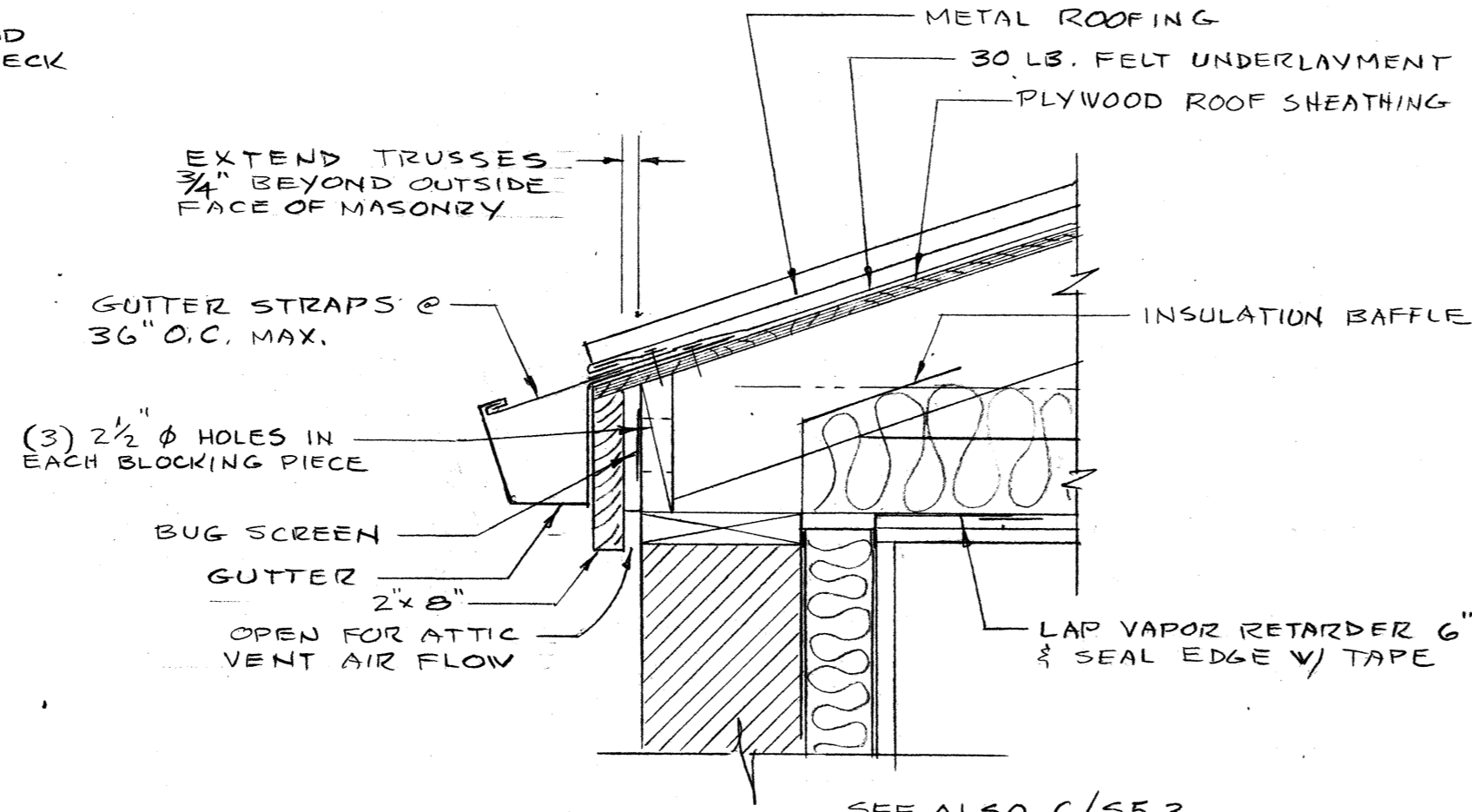
**RAKE DET. 3**  
SCALE: 1 1/2" = 1'-0" (A10.1)



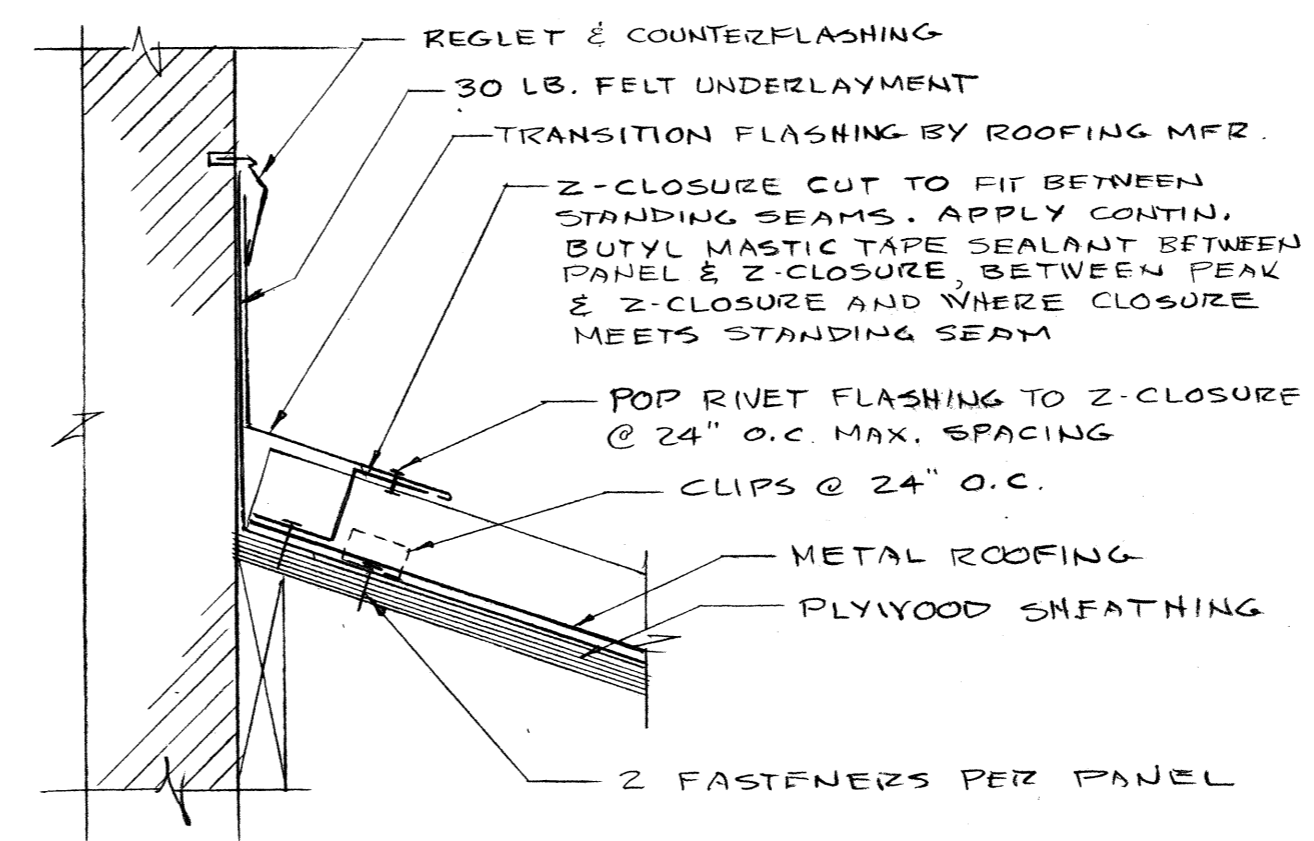
**PEAK DET. 7**  
SCALE: 1 1/2" = 1'-0" (A10.1)



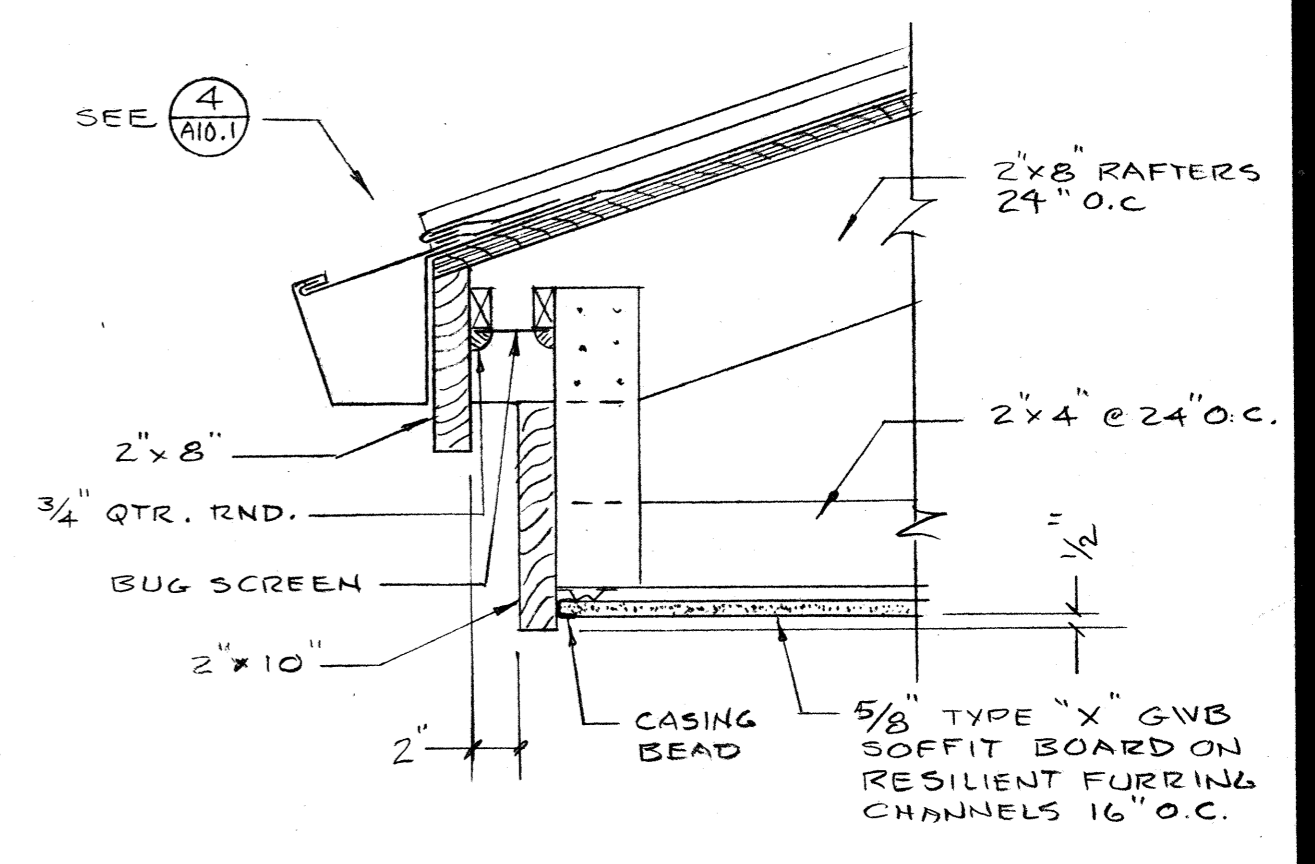
**ROOF PLAN 5**  
SCALE: 1/16" = 1'-0"



**EAVE DET. 4**  
SCALE: 1 1/2" = 1'-0" (A10.1)



**FLASHING DET. 5**  
NO SCALE (A10.1)



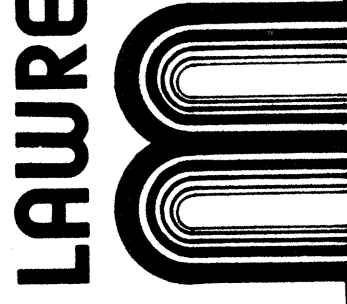
**EAVE DET. 6**  
SCALE: 1 1/2" = 1'-0" (A10.1)

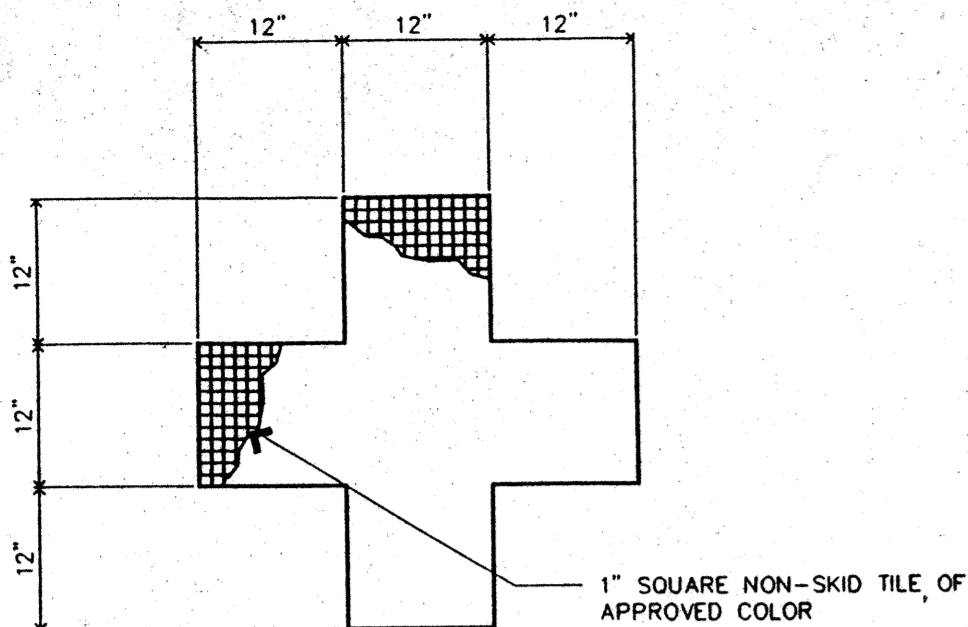
**DRAFT STOP NOTE:**  
CONSTRUCT DRAFT STOPS TO DIVIDE CEILING SPACE INTO AREAS NO GREATER THAN 1000 SQ. FT. - TO CONSIST OF 1 LAYER OF 1/2" GYPSUM BOARD ON ONE SIDE OF TRUSS. BUILD DOWN FROM BOTTOM OF TRUSS TO TOP OF CEILING W/ 2"x4" @ 24" O.C. - DRAFT STOPS MUST BE CONTINUOUS FROM BOTTOM OF ROOF SHEATHING TO TOP OF CEILING.

Job no. 93-10	date 9-25-94	scale	drawn by	checked by	appr. by
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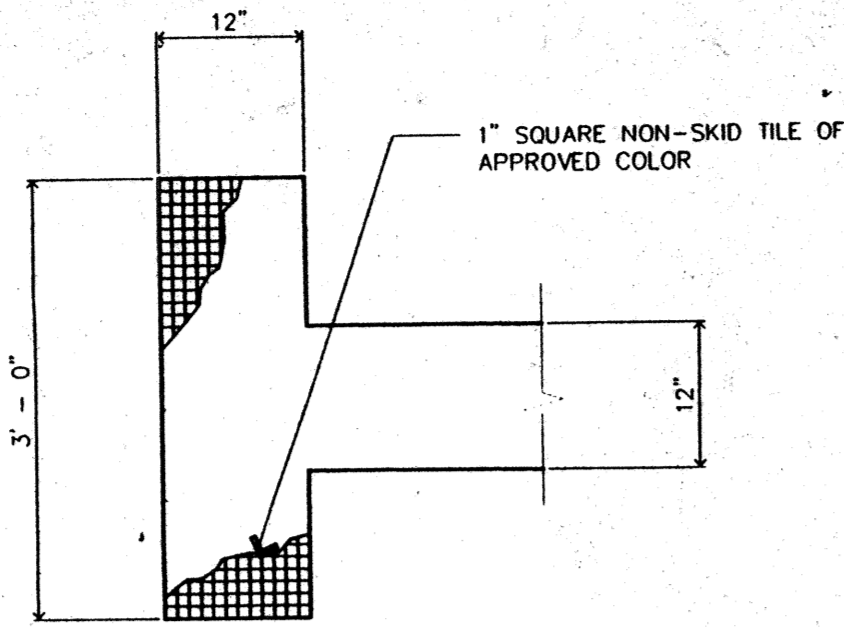
**SWIMMING POOL FOR THE CITY OF WOODBURN WOODBURN, OREGON**

**LAWRENCE E. MATSON ARCHITECT, A.I.A.**  
• architecture  
• planning  
• engineering

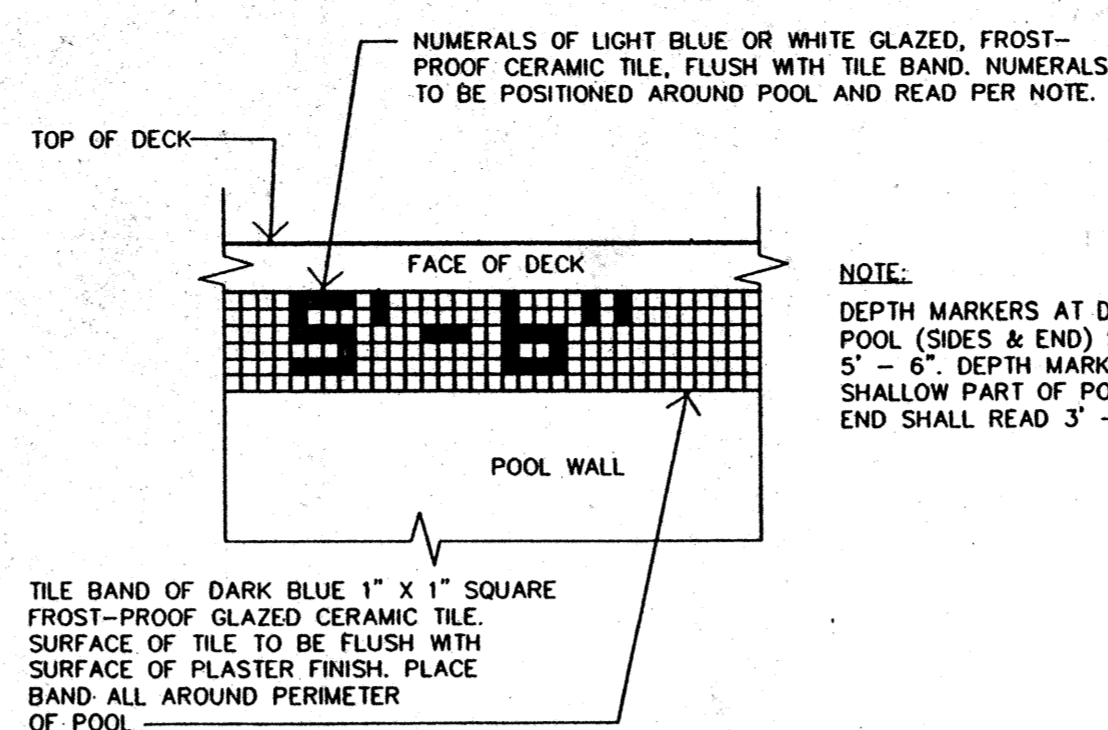




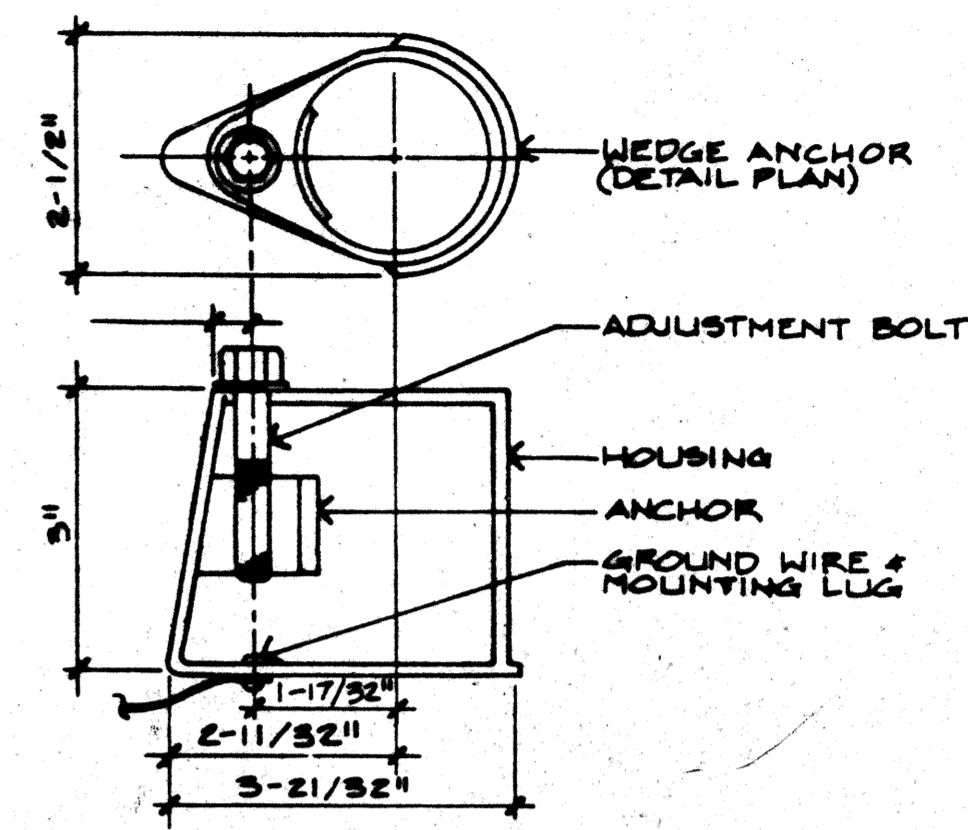
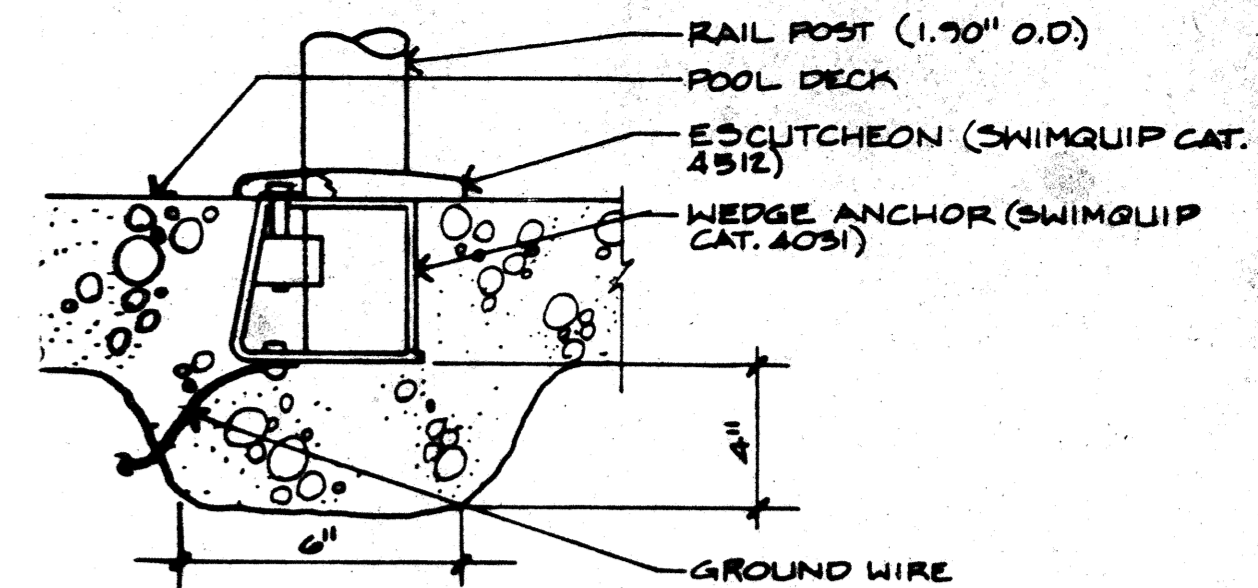
WALL TARGET - EACH END OF LANE (1) SPT.1  
NO SCALE



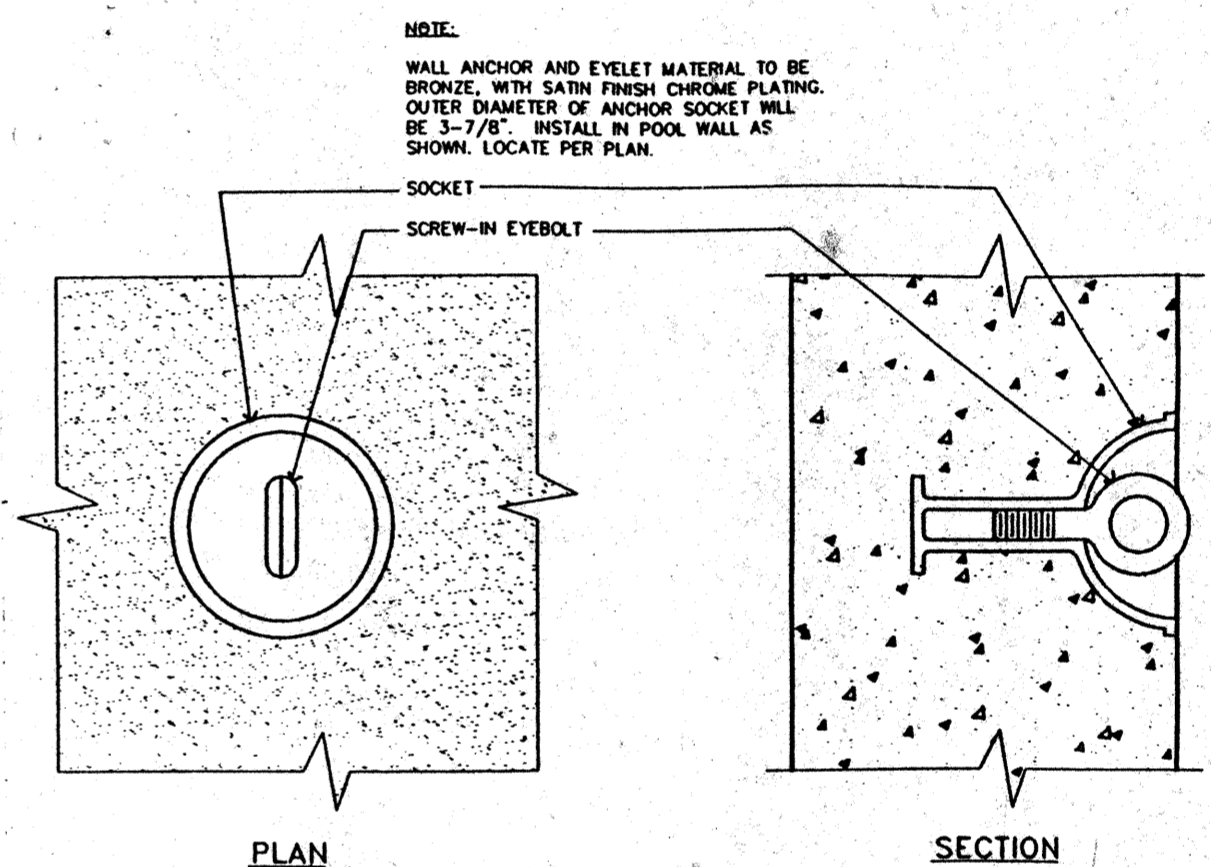
LANE MARKER - EACH END OF LANE (2) SPT.1  
NO SCALE



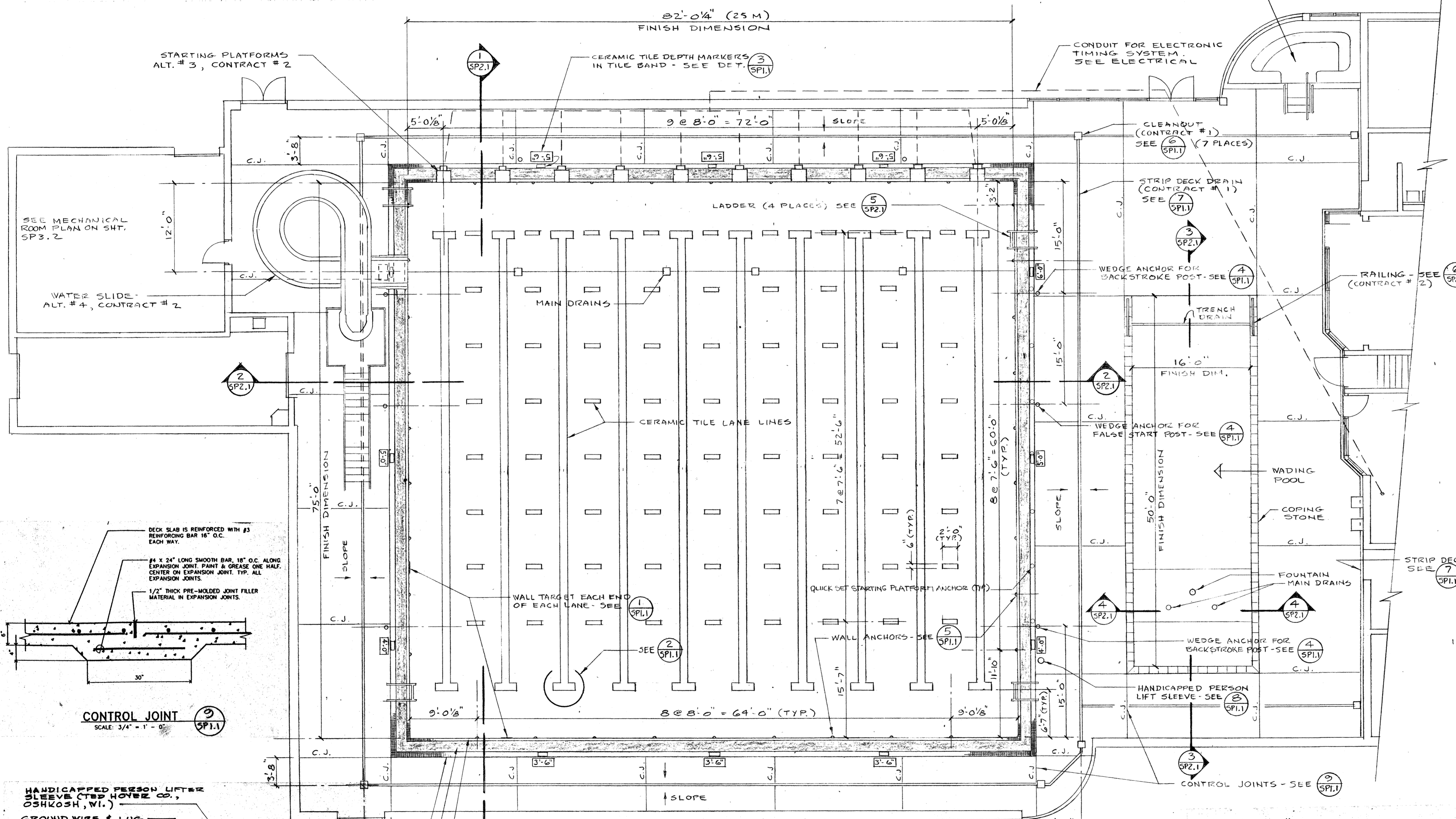
TILE BAND & DEPTH MARKINGS (3) SPT.1  
SCALE: 1" = 1'



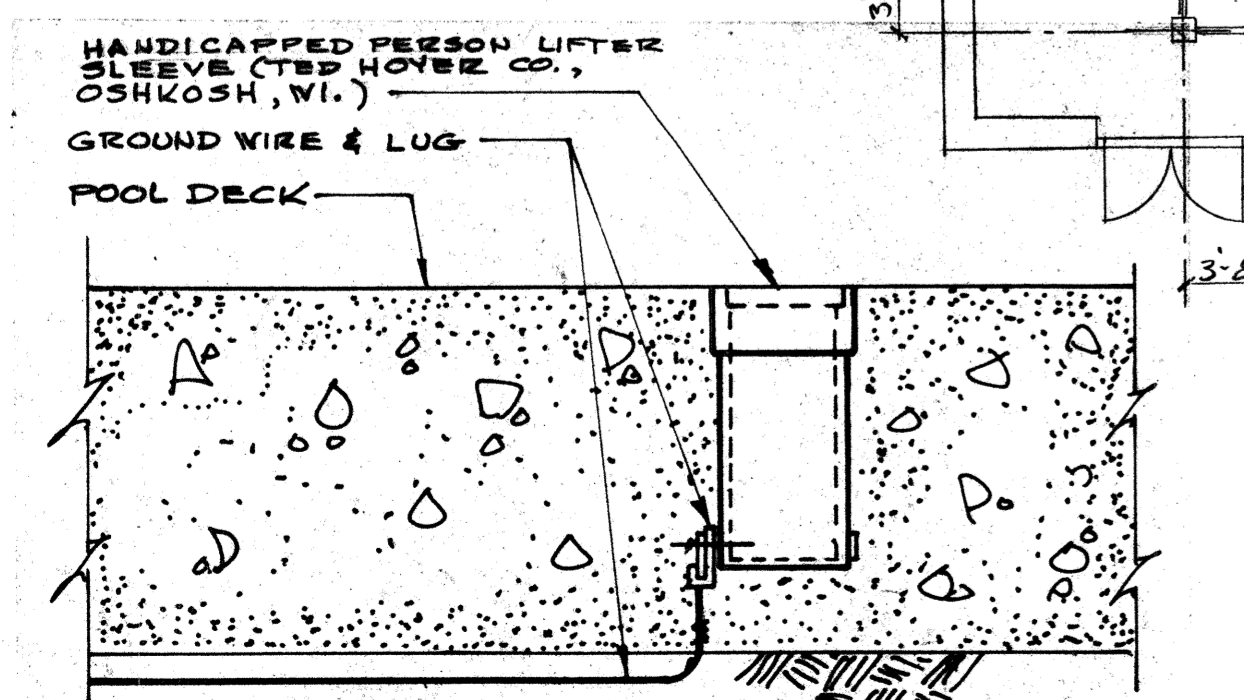
WEDGE ANCHOR DETAIL (4) SPT.1



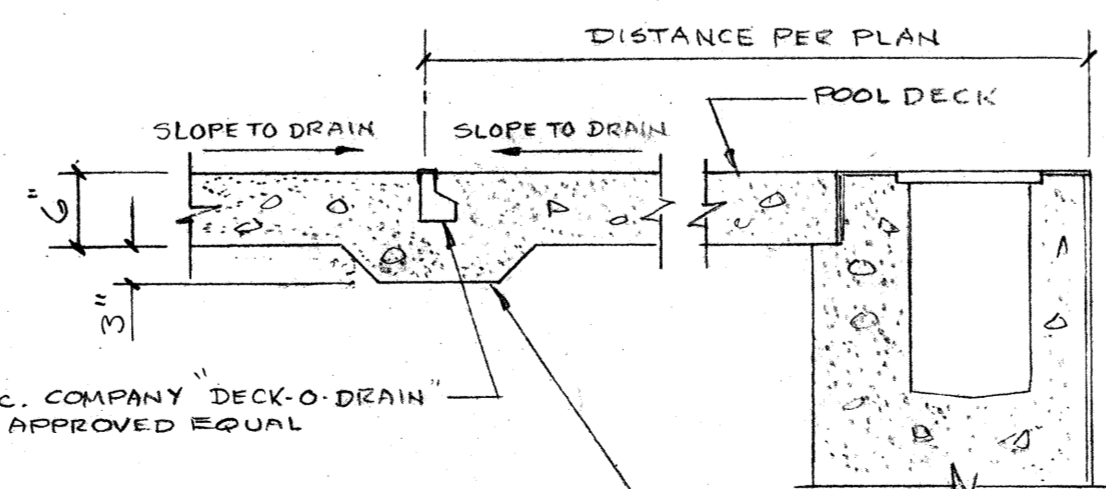
WALL ANCHOR DETAIL (5) SPT.1



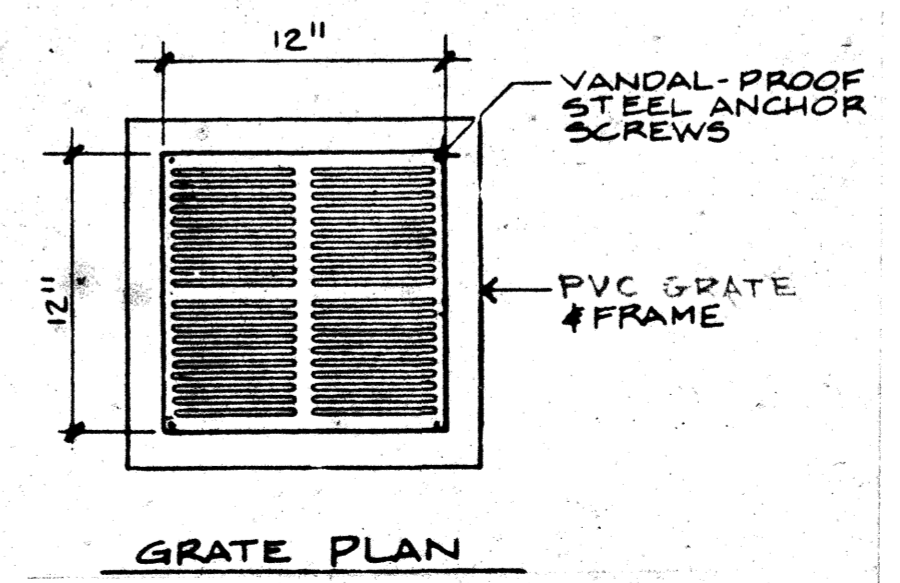
POOL AND DECK PLAN  
SCALE: 1/8" = 1'-0"



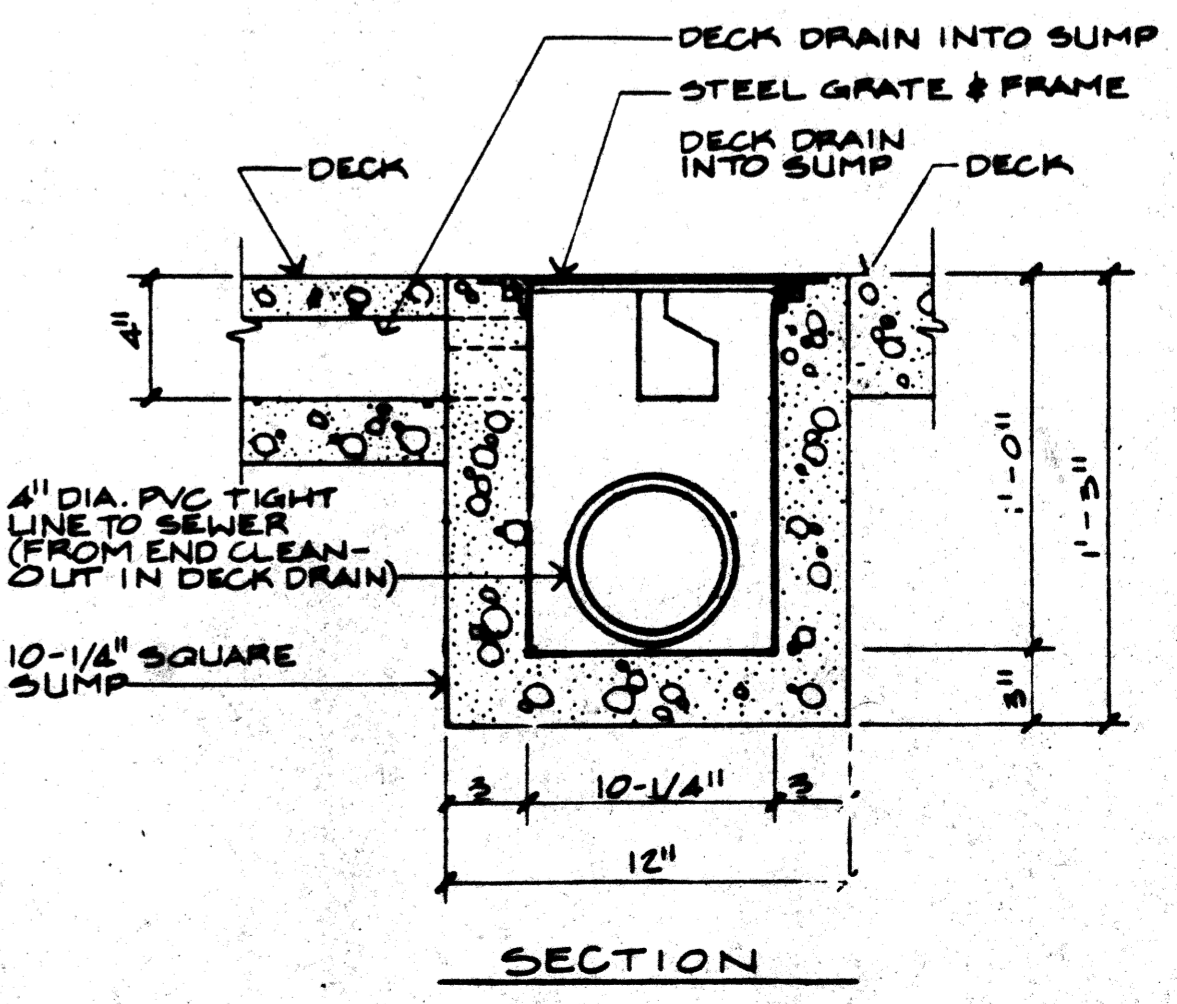
HANDICAPPED PERSON LIFT SLEEVE DETAIL (8) SPT.1  
NO SCALE



STRIP DECK DRAIN DETAIL (7) SPT.1  
NO SCALE



STRIP DECK DRAIN CLEANOUT DETAIL (6) SPT.1  
NO SCALE



SECTION

Job no.	93-10
date	9-29-94
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SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON

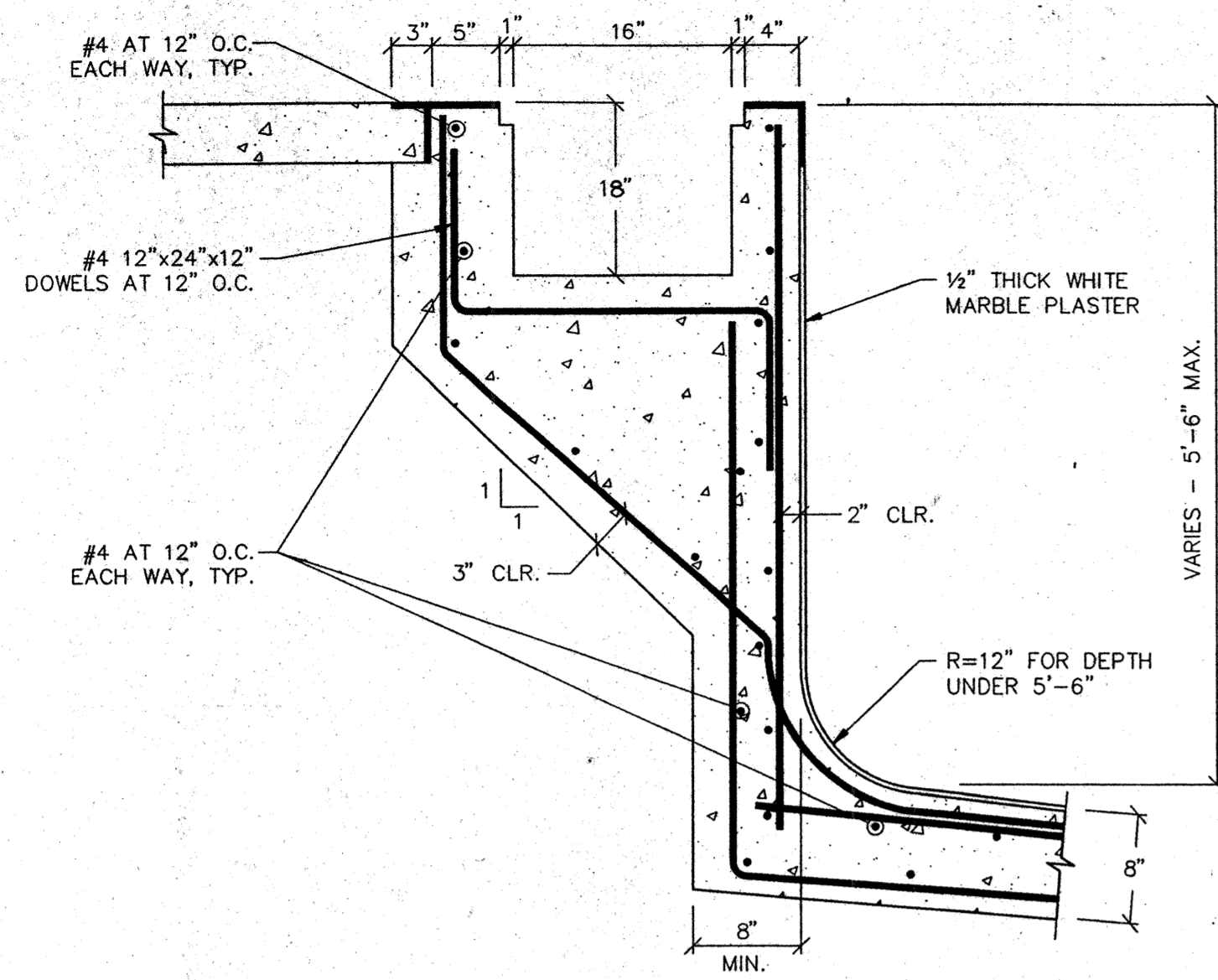
LAWRENCE E. MATSON  
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BELLEVUE, WASHINGTON 98007  
PHONE (206) 748-9049 FAX (206) 748-8686

Lawrence E. Matson  
ARCHITECT

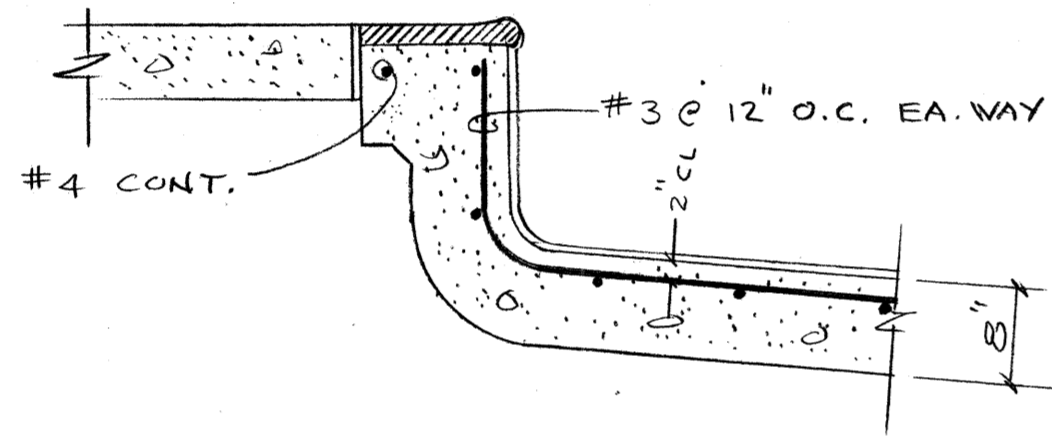
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SP1.1

OF 1.2

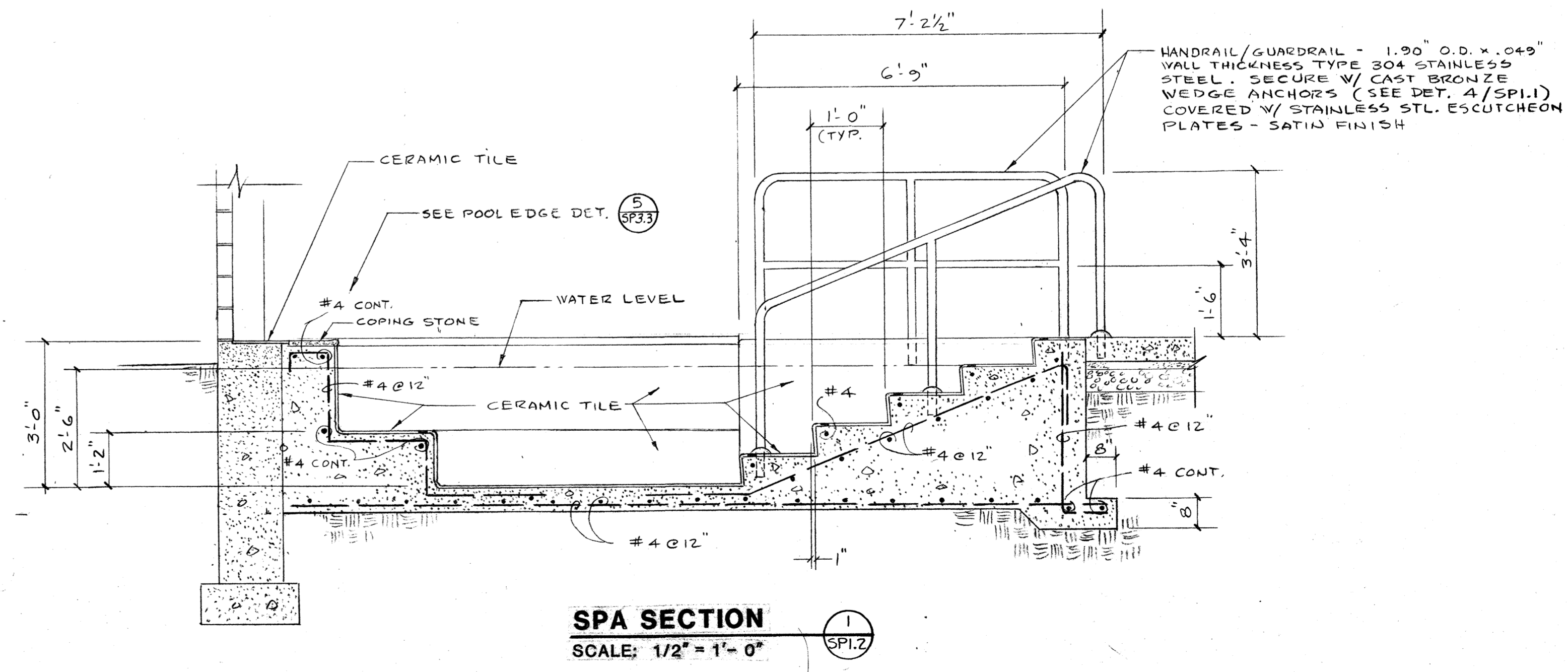
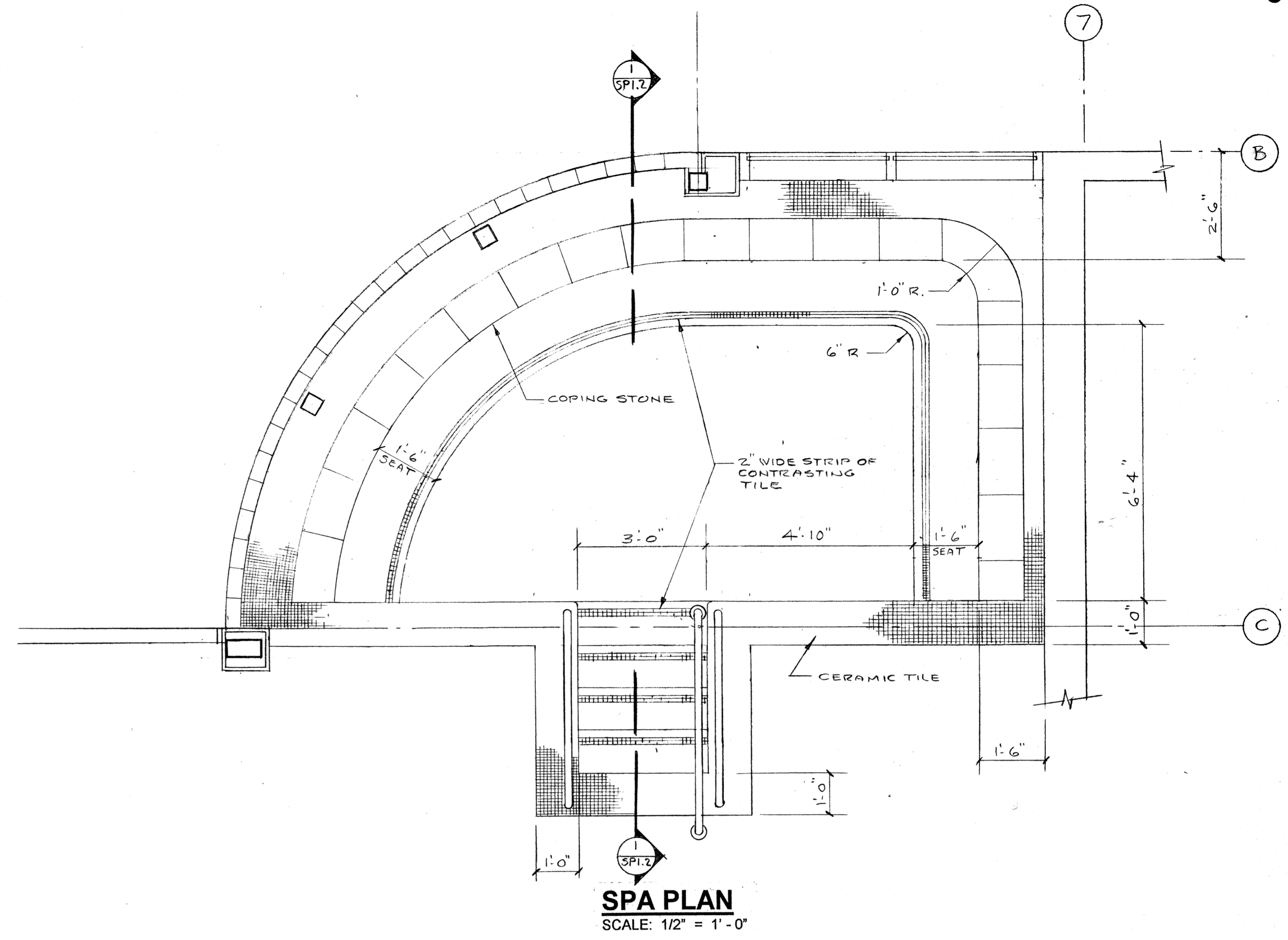




2 POOL SHELL REINFORCING  
SCALE: 3/4" = 1'-0"



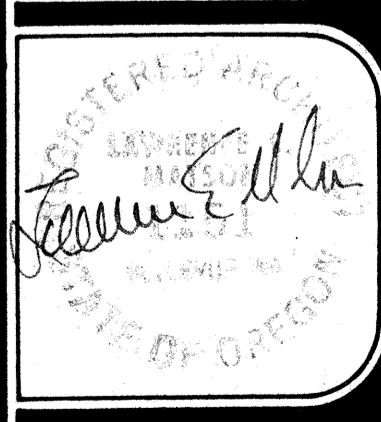
3 VADING POOL SHELL REINFORCING  
SCALE: 3/4" = 1'-0"



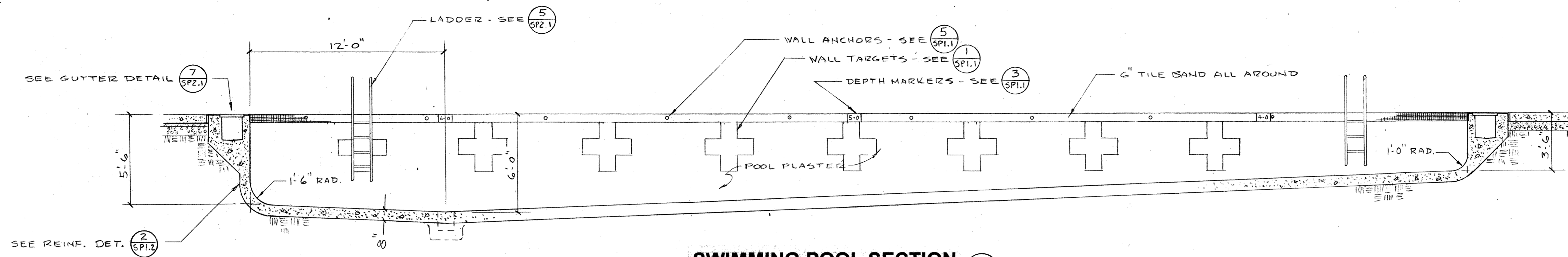
job no.	93-10
date	9-25-54
scale	
drawn by	
checked by	
appr. by	

SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON

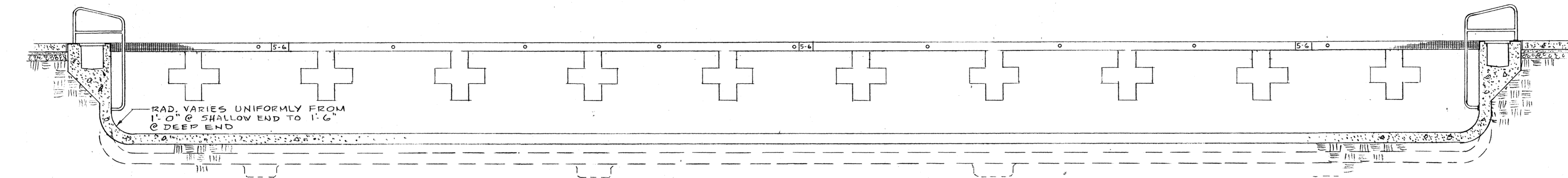
LAWRENCE E. MATSON  
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BELLEVUE, WASHINGTON 98007  
PHONE (206) 748-9049 FAX (206) 748-8888



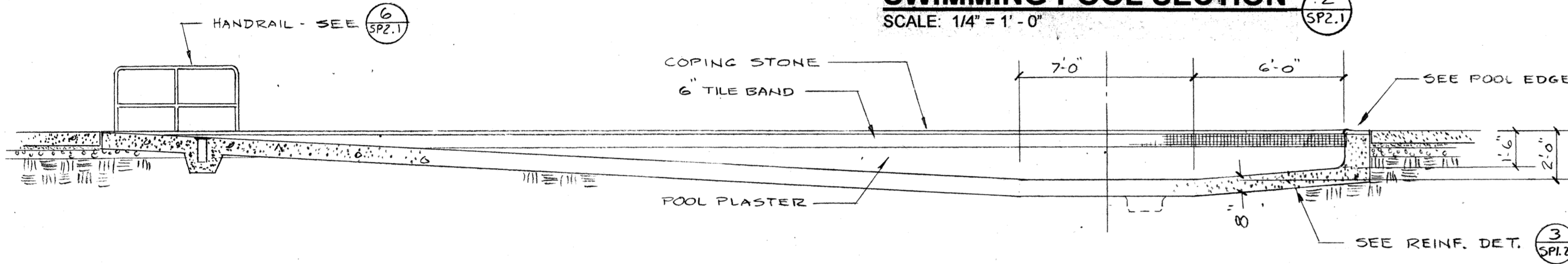
sheet  
SP1.2  
OF 1.2



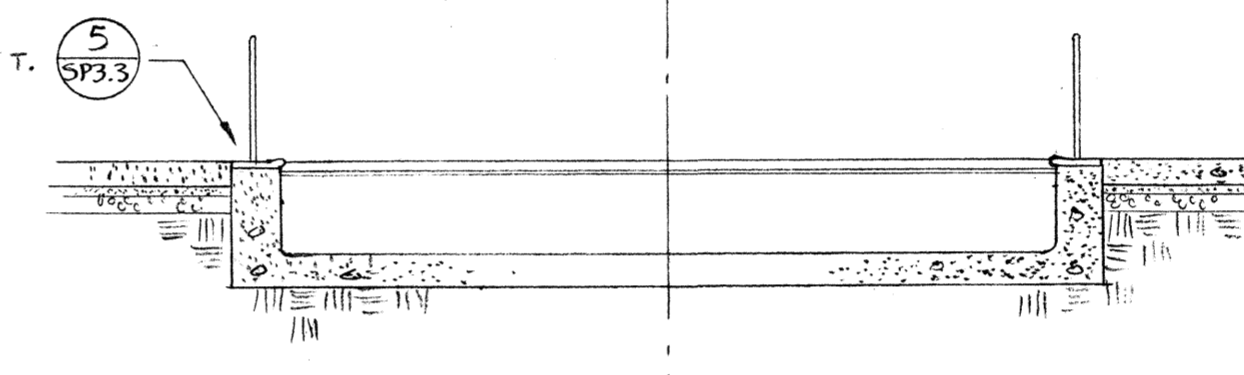
**SWIMMING POOL SECTION 1**  
SCALE: 1/4" = 1'-0"



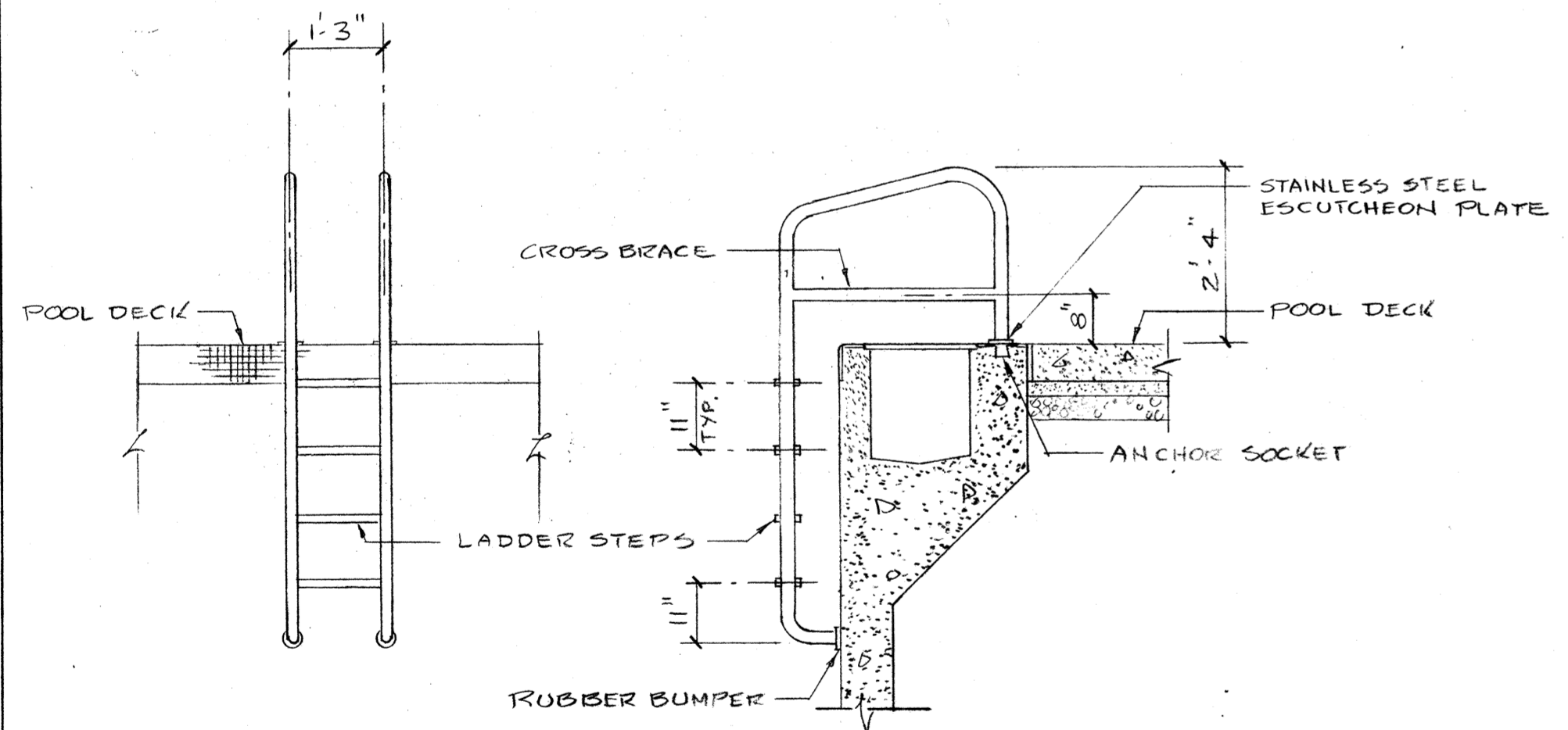
**SWIMMING POOL SECTION 2**  
SCALE: 1/4" = 1'-0"



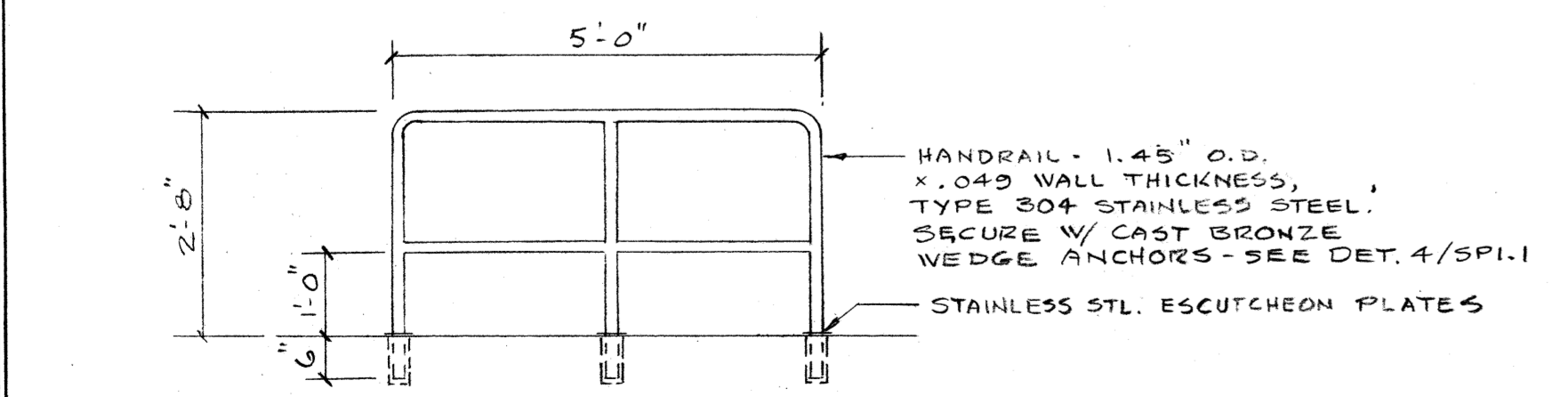
**WADING POOL SECTION 3**  
SCALE: 1/4" = 1'-0"



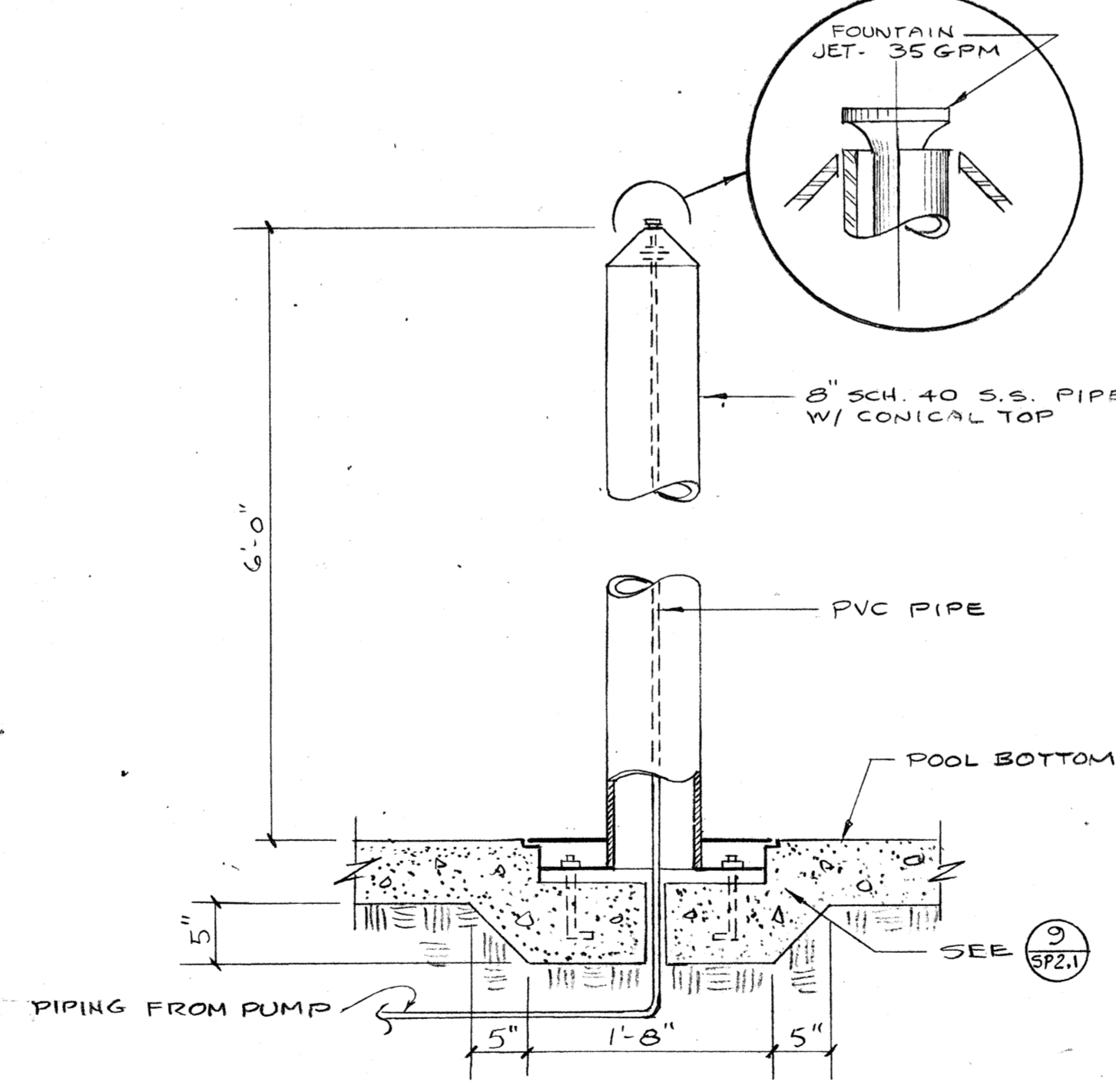
**WADING POOL SECTION 4**  
SCALE: 1/4" = 1'-0"



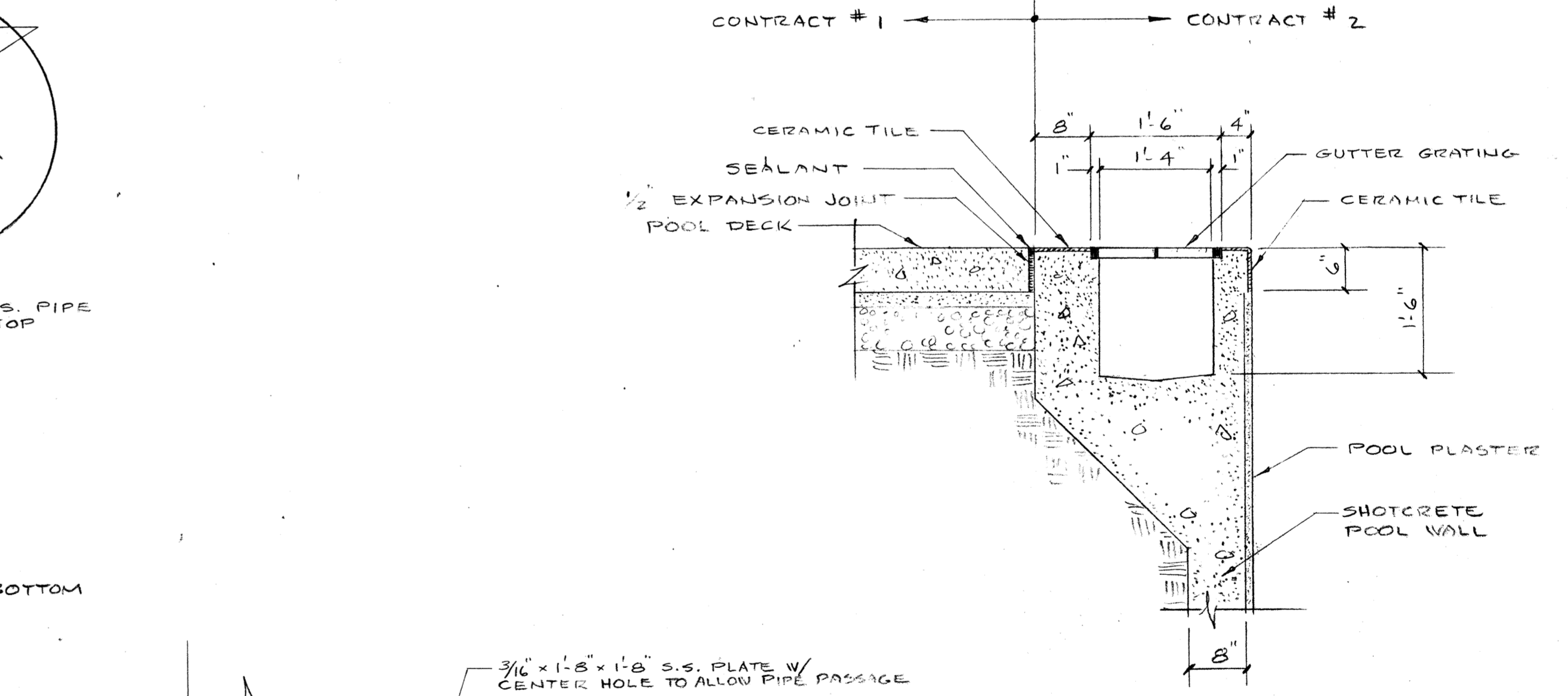
**LADDER DETAIL 5**  
SCALE: 1/2" = 1'-0"



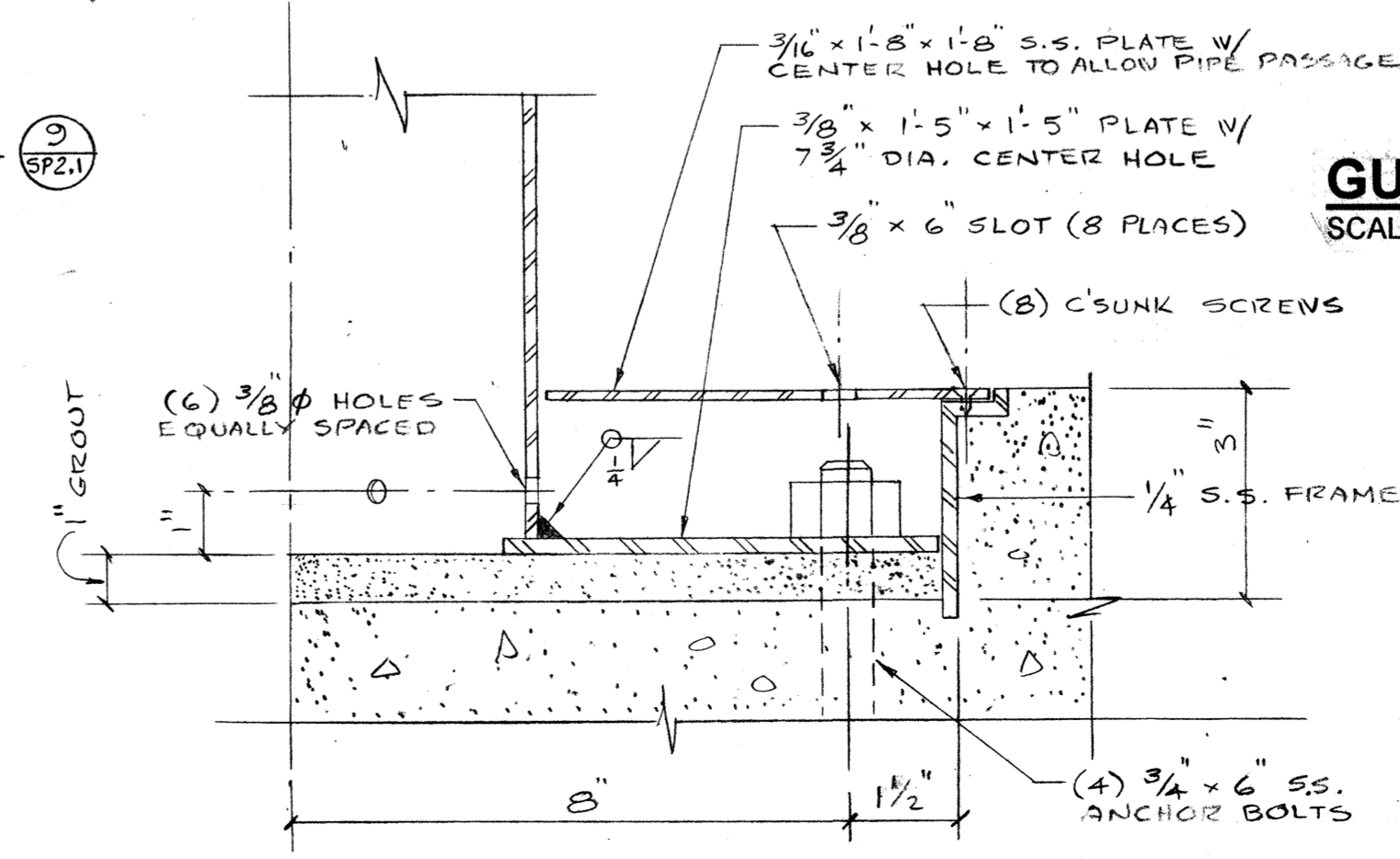
**HANDRAIL DETAIL 6**  
SCALE: 1/2" = 1'-0"



**FOUNTAIN DETAIL 8**  
NO SCALE



**GUTTER DETAIL 7**  
SCALE: 3/4" = 1'-0"

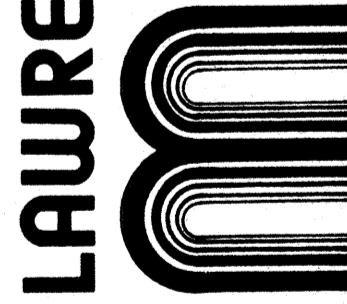


**FOUNTAIN BASE DETAIL 9**  
NO SCALE

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date 9-23-94
scale
drawn by
checked by
appr. by

**SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON**

**LAWRENCE E. MATSON  
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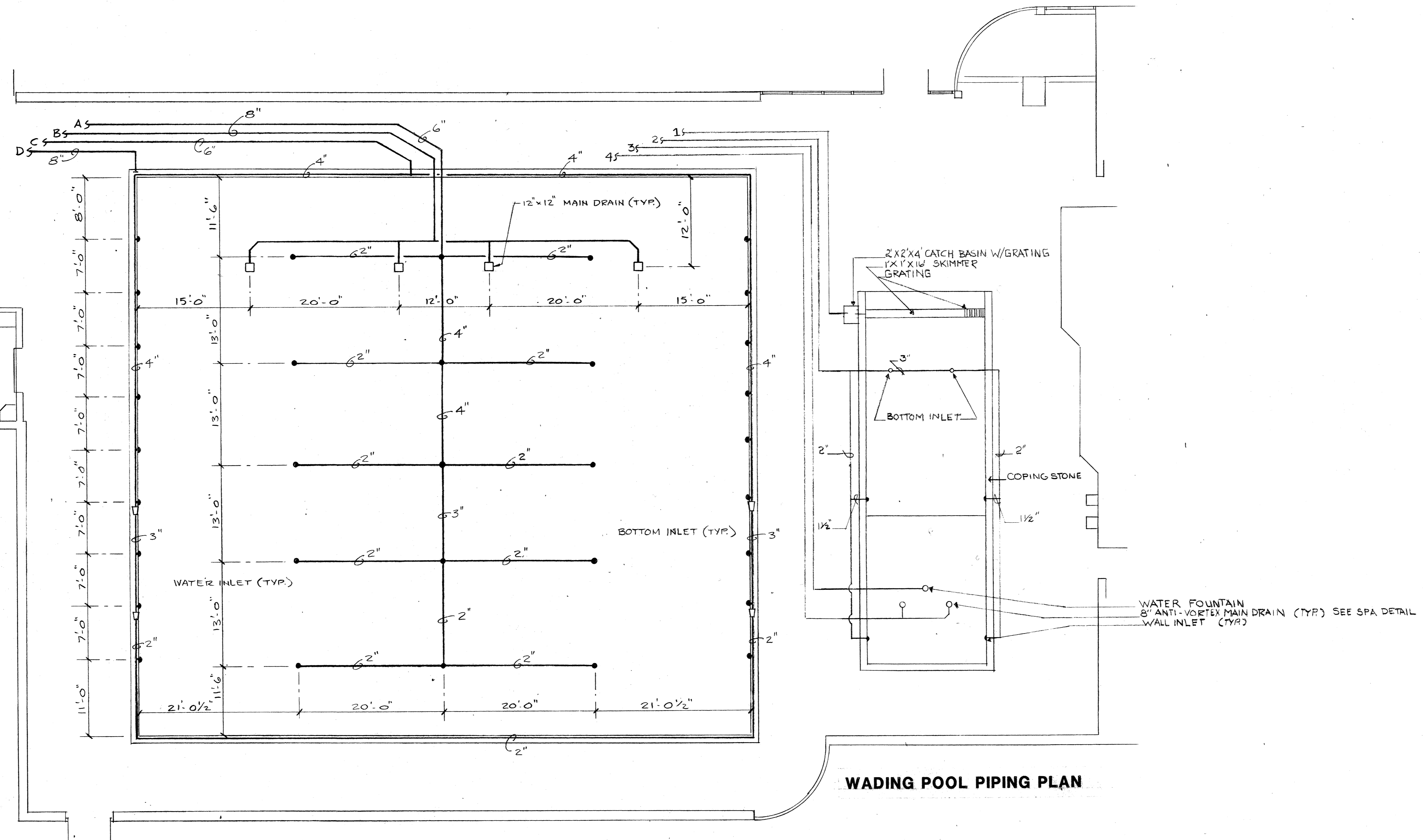
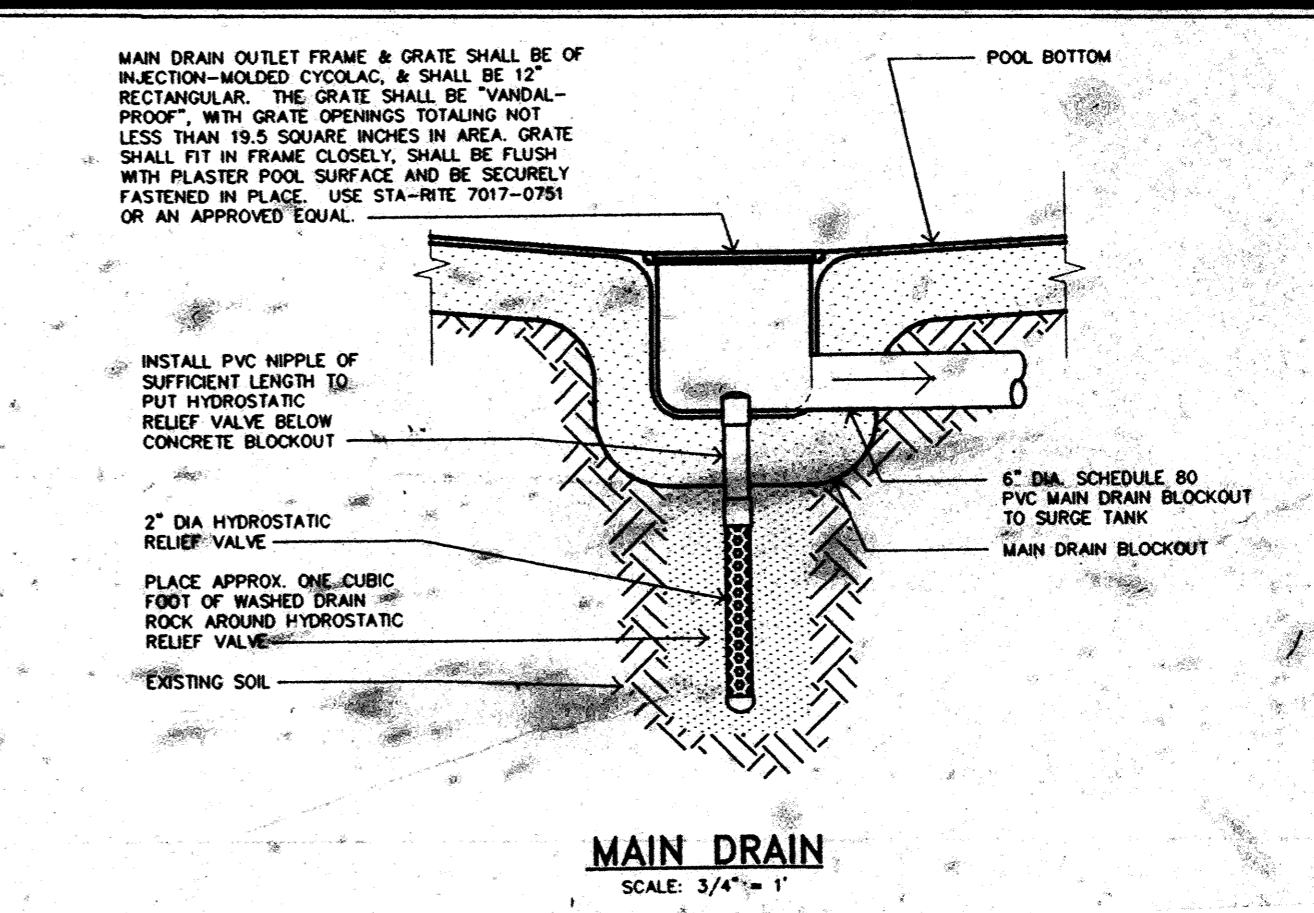


REGISTERED ARCHITECT  
LAWRENCE E. MATSON  
STATE OF WASHINGTON

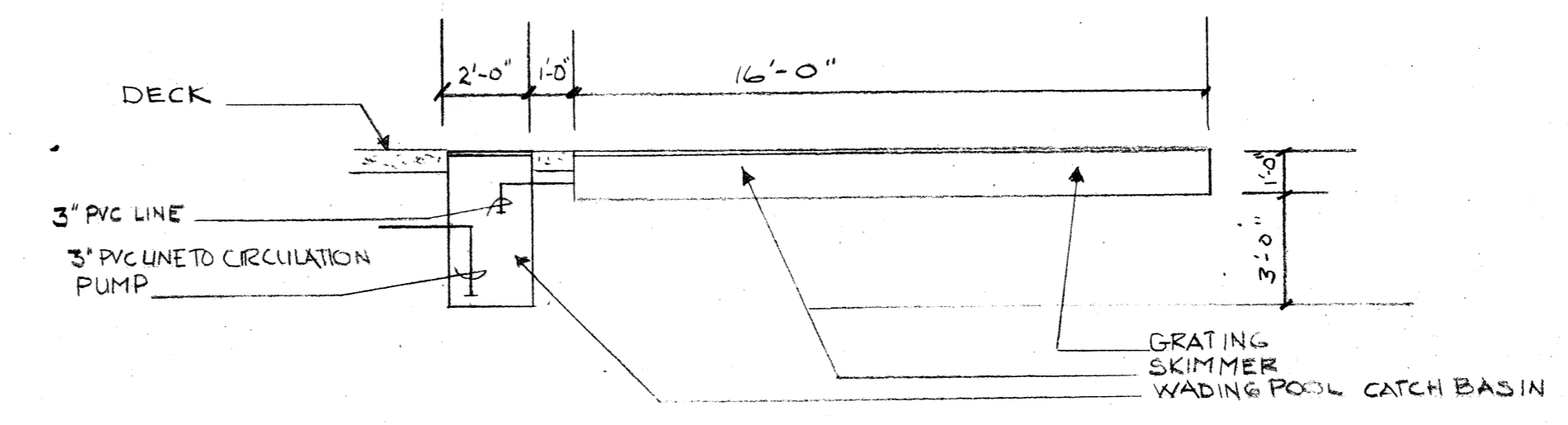
sheet  
**SP2.1**

**OF** 2.1

- A - 6" SCH. 80 PVC PIPE FROM FILTERS TO POOL BOTTOM INLETS
- B - 8" SCH. 80 PVC PIPE FROM MAIN DRAINS TO SURGE TANK
- C - 6" SCH. 80 PVC PIPE FROM FILTERS TO GUTTER PIPE AND INLETS
- D - 8" SCH. 80 PVC PIPE FROM GUTTER TO SURGE TANK
- 1 - 3" SCH. 80 PVC PIPE FROM WADING POOL CATCH BASIN TO CIRCULATION PUMP
- 2 - 3" SCH. 80 PVC PIPE FROM FILTER TO WADING POOL INLETS
- 3 - 2" SCH. 80 PVC PIPE FROM FILTER TO WATER FOUNTAIN INLET
- 4 - 3" SCH. 80 PVC PIPE FROM WADING POOL MAIN DRAINS TO CIRCULATION PUMP



**POOL PIPING PLAN**  
SCALE: 1/8" = 1'-0"

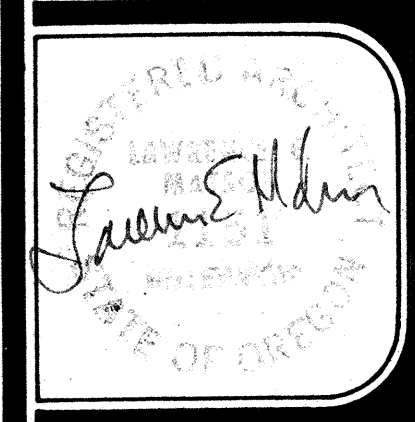


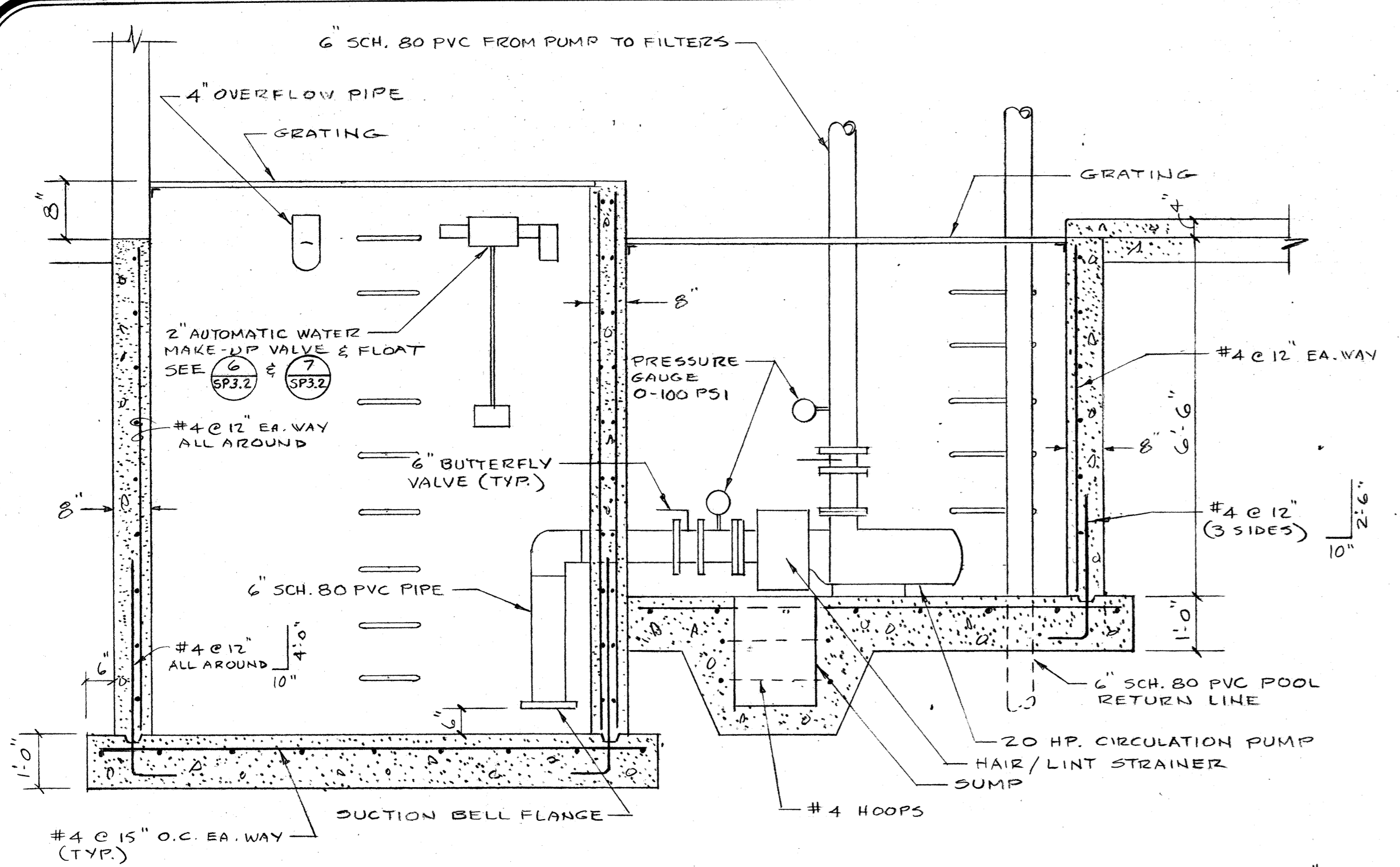
**SKIMMER DETAIL**

Job no.	93-10
date	9-29-94
scale	
drawn by	
checked by	
appr. by	

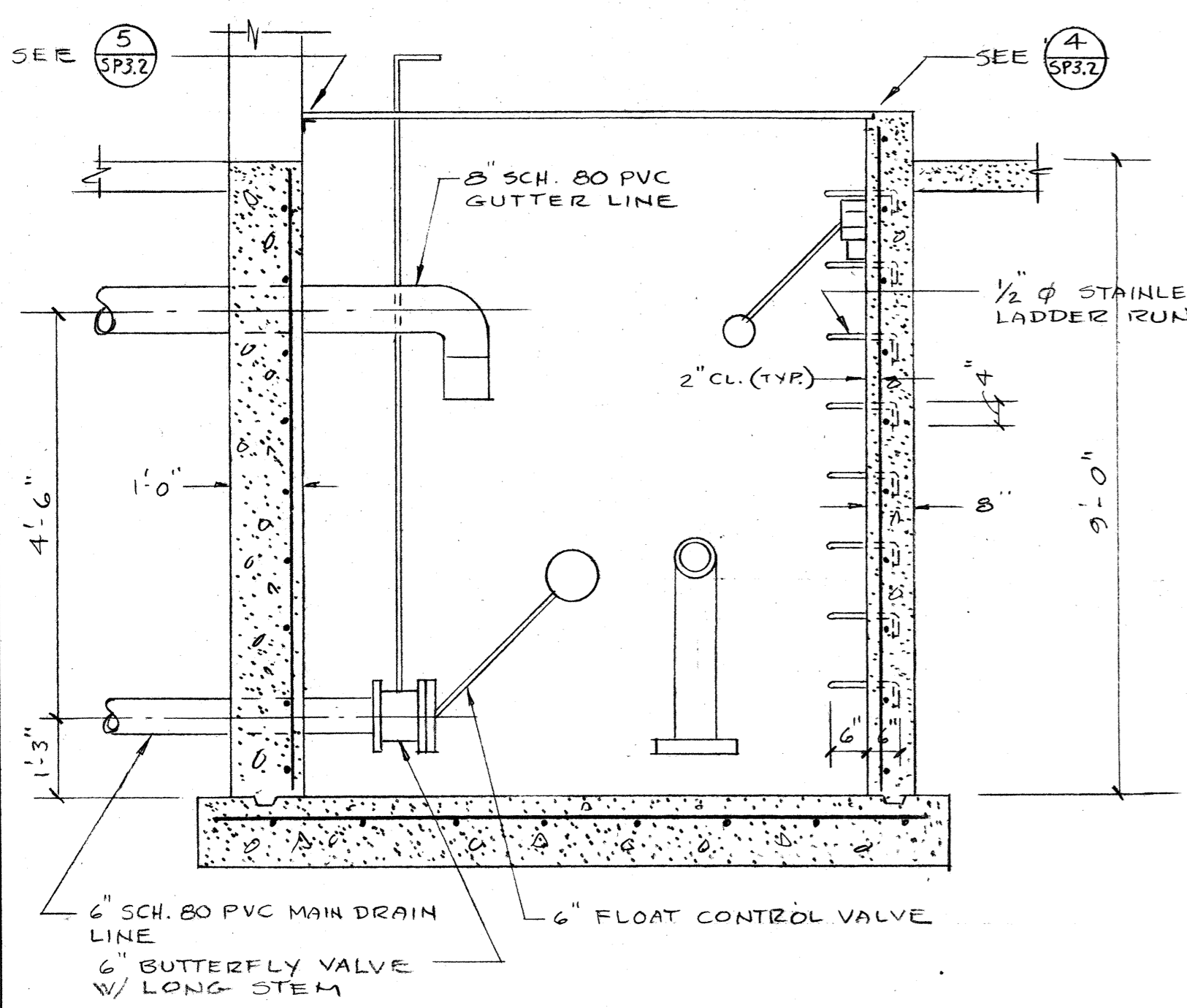
**SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON**

**LAWRENCE E. MATSON  
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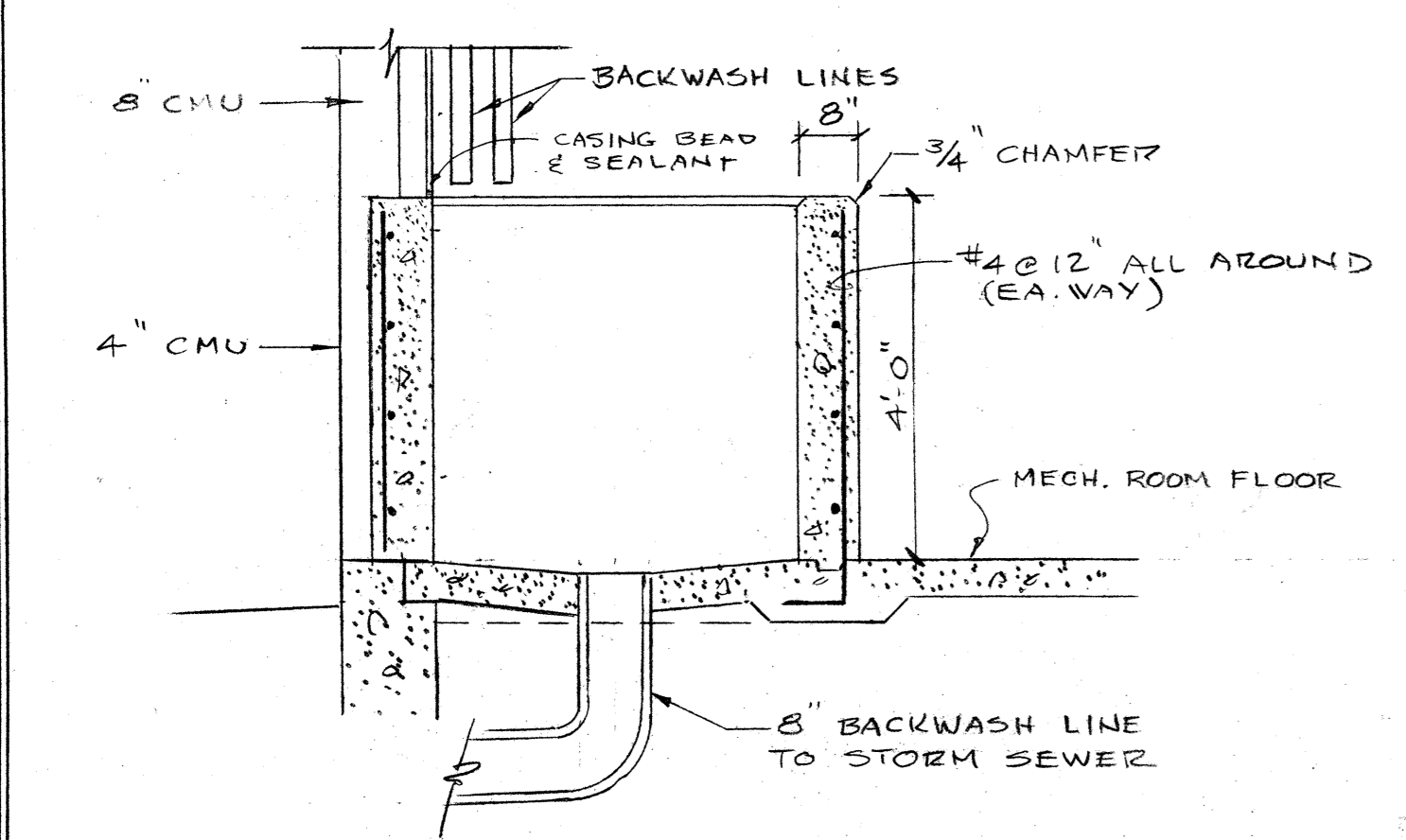




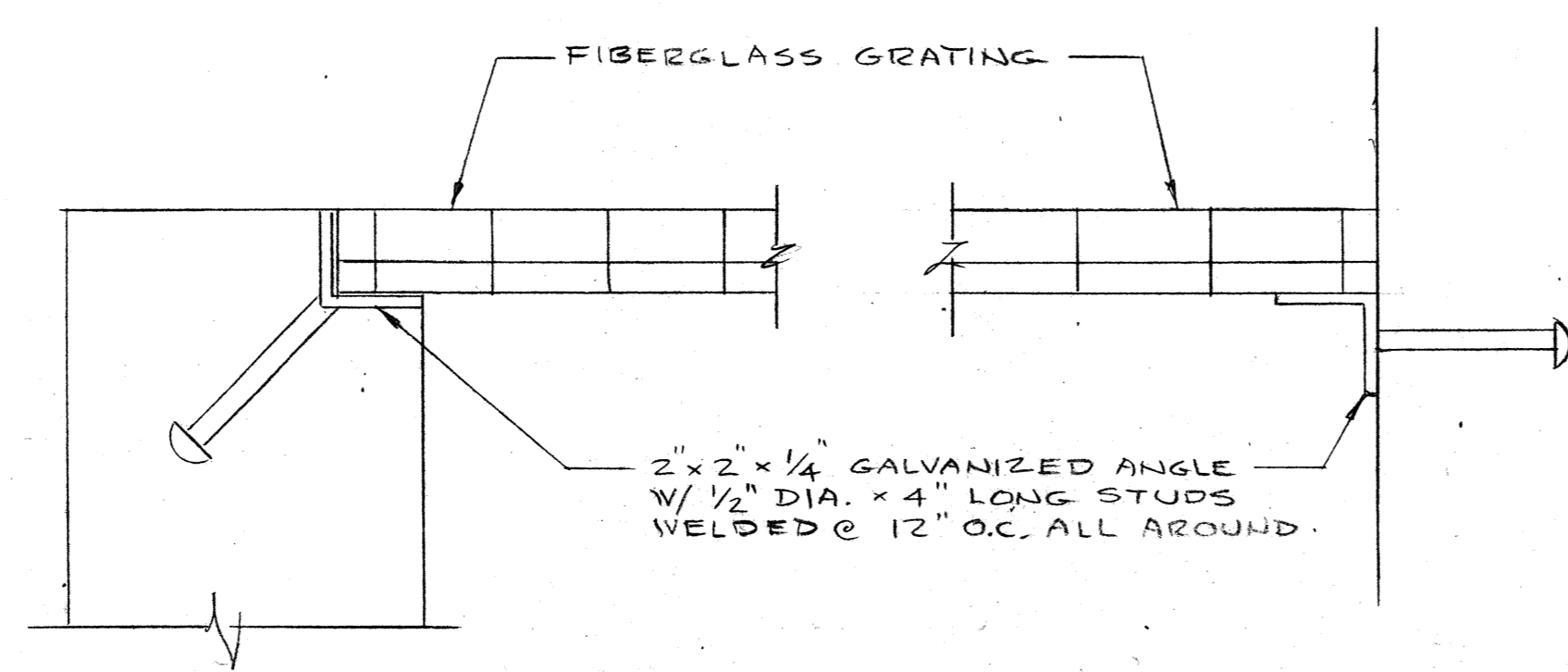
**SECTION 1**  
SCALE: 1/2" = 1'-0"  
SP3.2



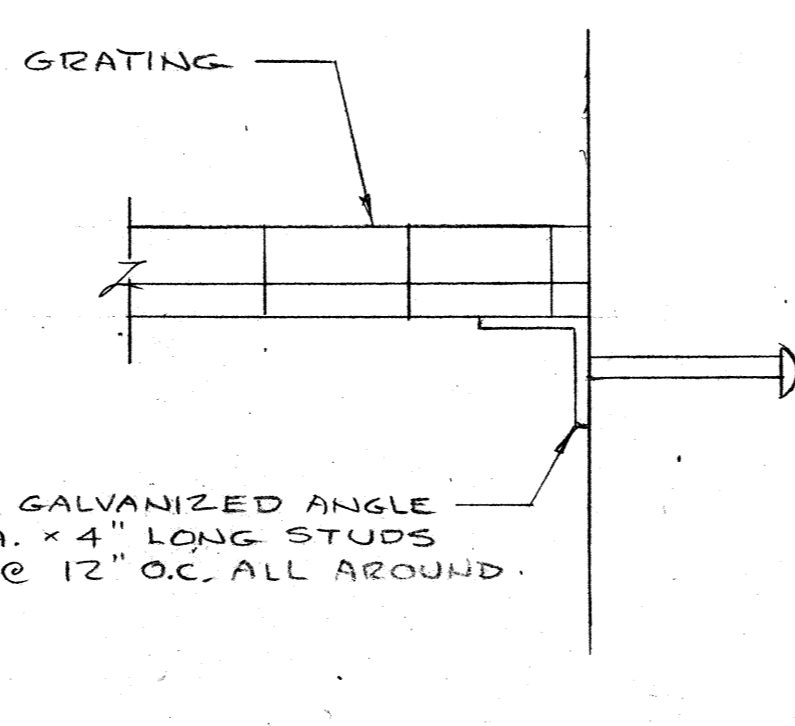
**SECTION 2**  
SCALE: 1/2" = 1'-0"  
SP3.2



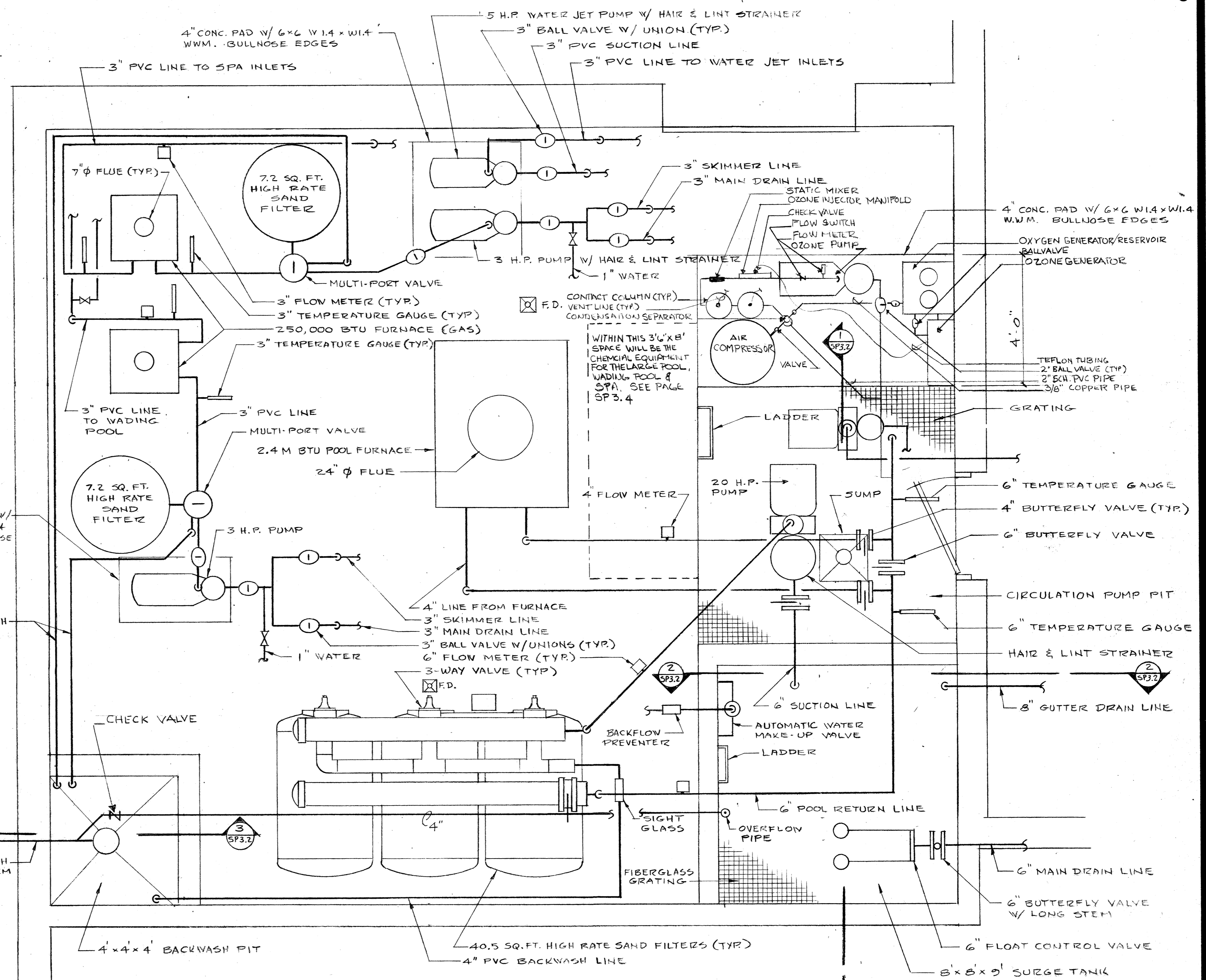
**SECTION 3**  
SCALE: 1/2" = 1'-0"  
SP3.2



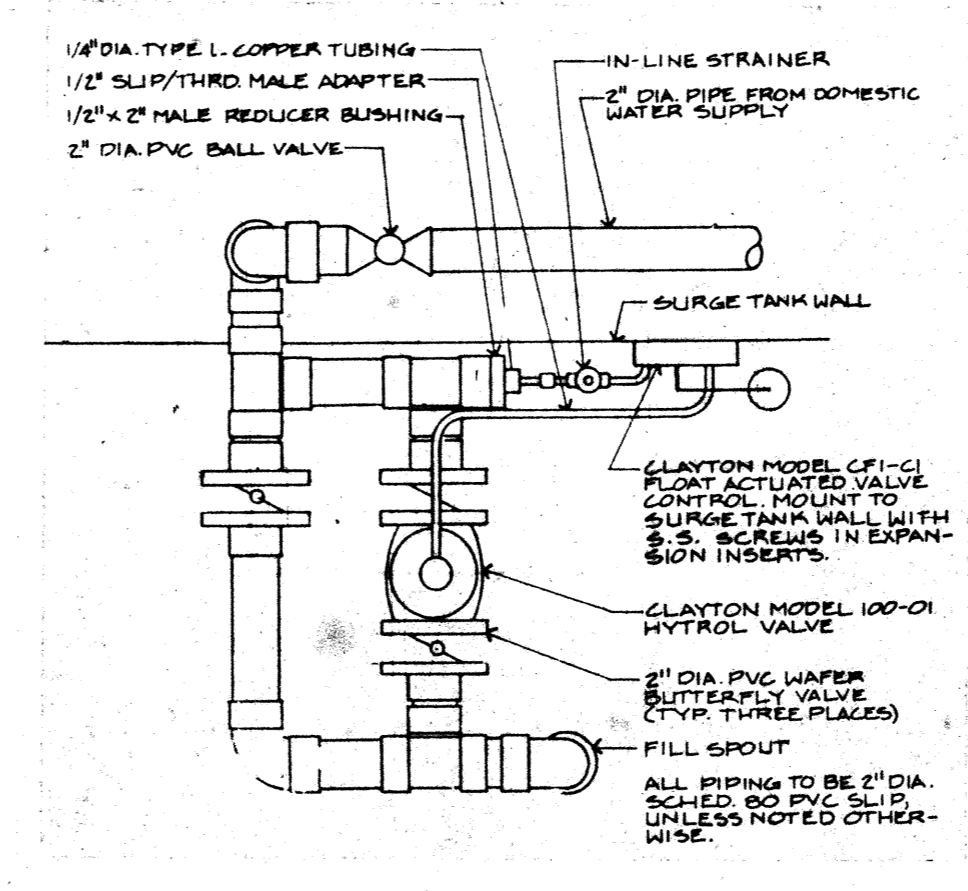
**GRATING FRAME DETAIL 4**  
NO SCALE  
SP3.2



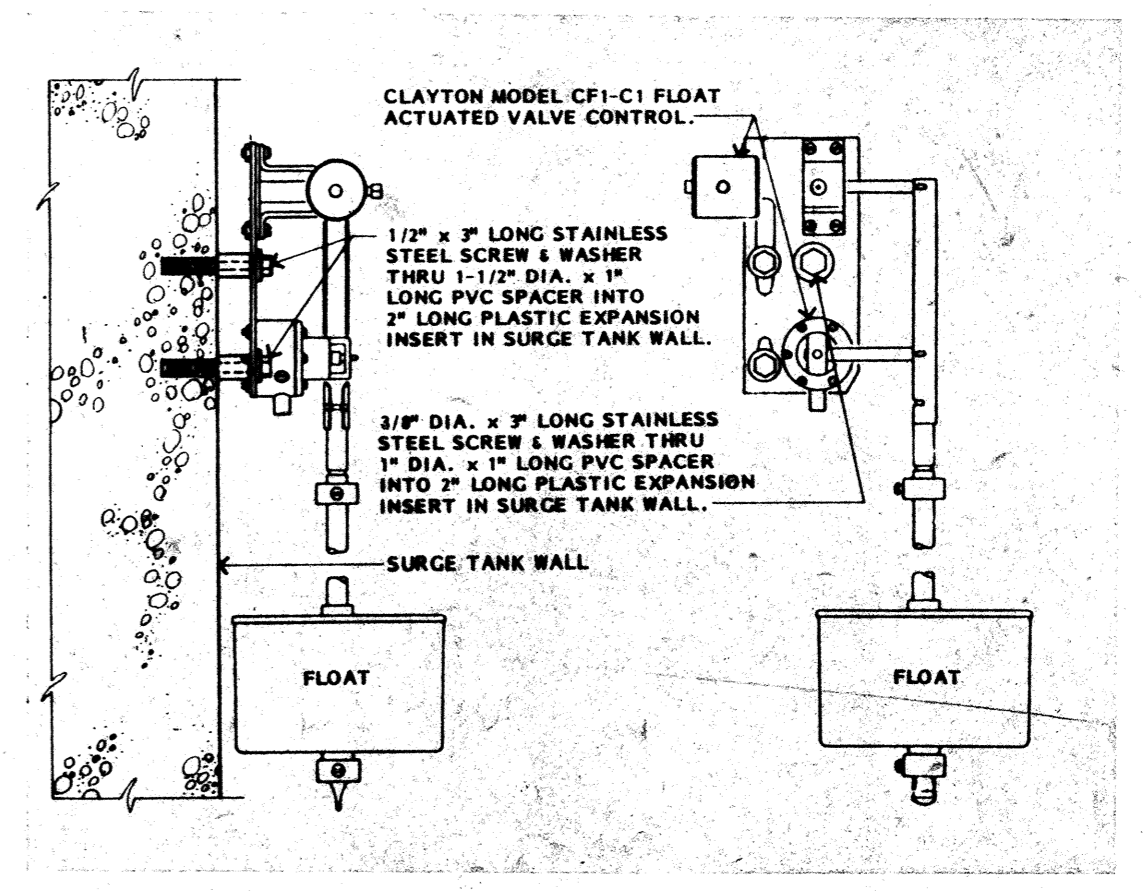
**GRATING FRAME DETAIL 5**  
NO SCALE  
SP3.2



**MECHANICAL ROOM FLOOR PLAN**  
SCALE: 1/2" = 1'-0"



**WATER MAKE-UP VALVE**  
NO SCALE  
SP3.2



**MAKE-UP VALVE CONTROL**  
NO SCALE  
SP3.2

Job no. 23-10  
date 9-29-34  
scale  
drawn by  
checked by  
appr. by

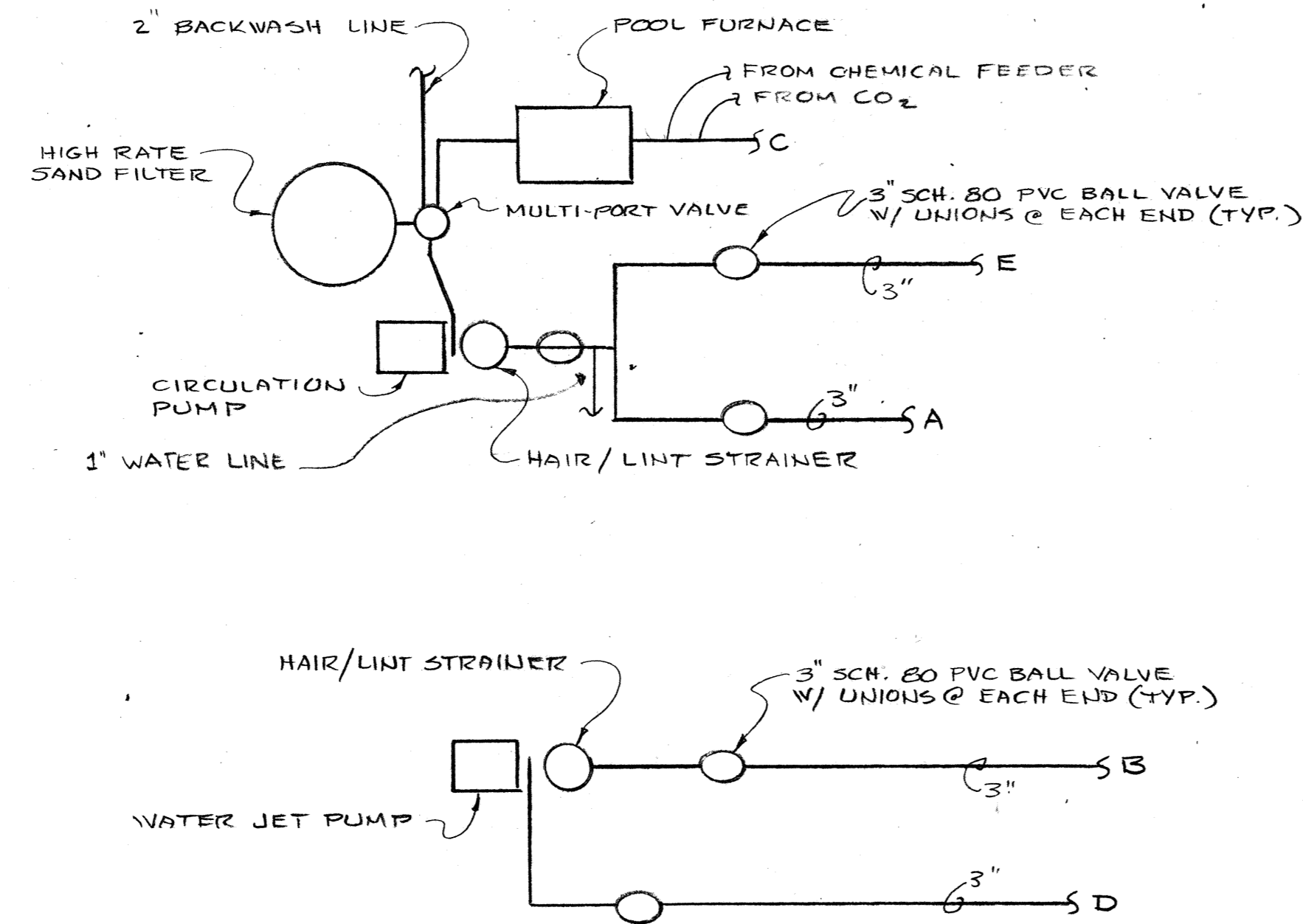
**SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON**

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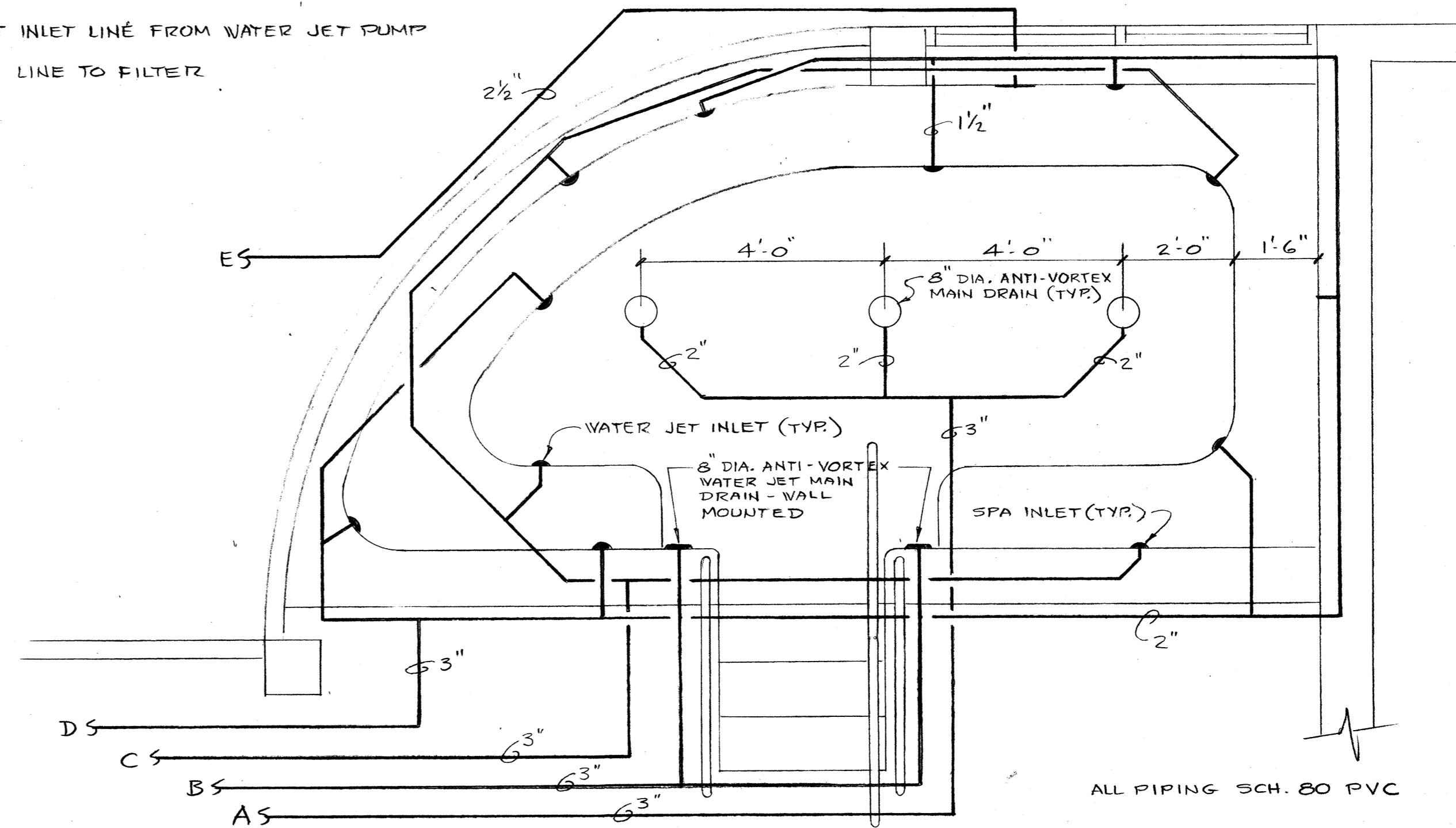
*James E. Matson*  
OWNER

sheet  
**SP3.2**  
3.4

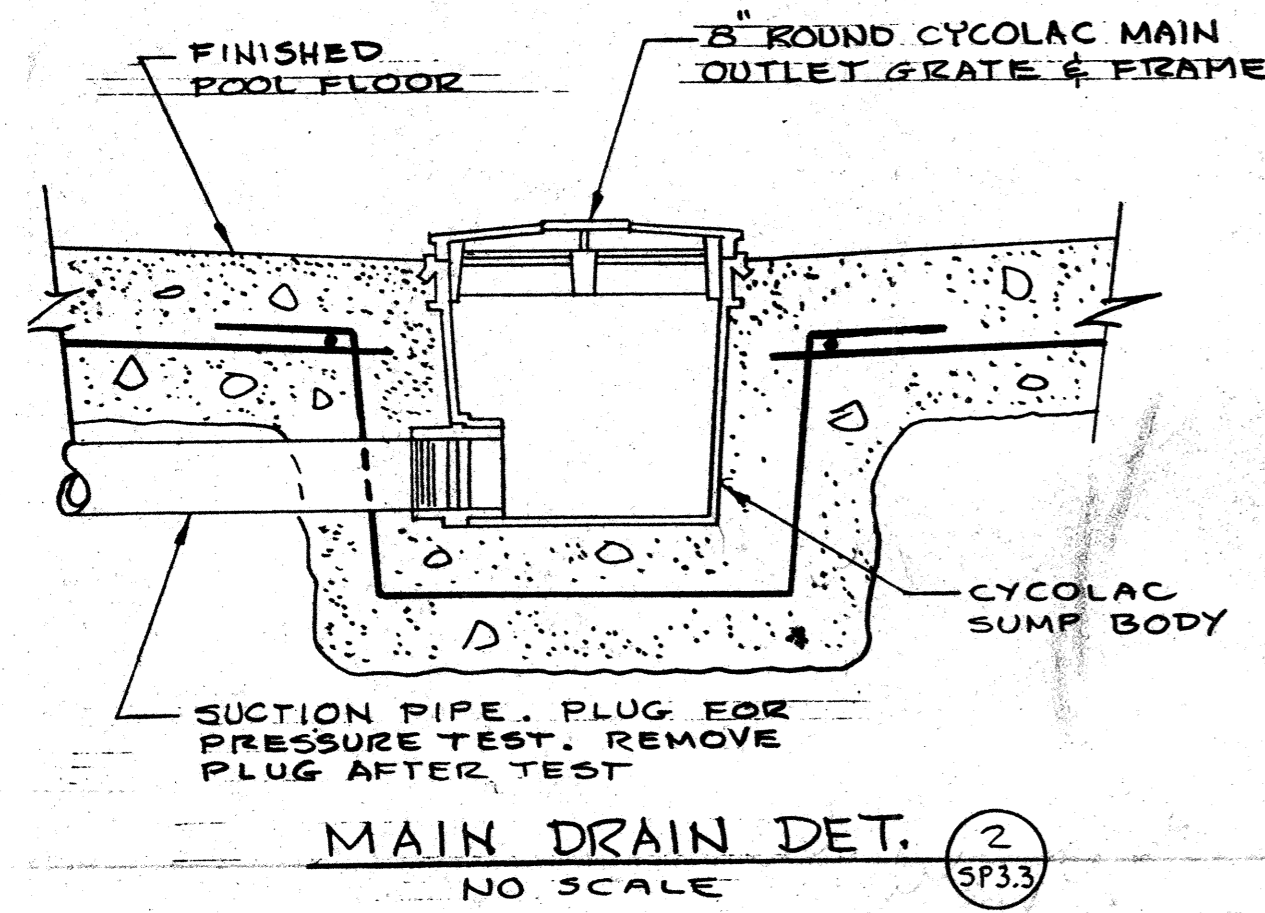
- A - MAIN DRAIN LINE TO CIRCULATION PUMP
- B - WATER JET MAIN DRAIN LINE TO WATER JET PUMP
- C - INLET LINE FROM FILTERS
- D - WATER JET INLET LINE FROM WATER JET PUMP
- E - SKIMMER LINE TO FILTER



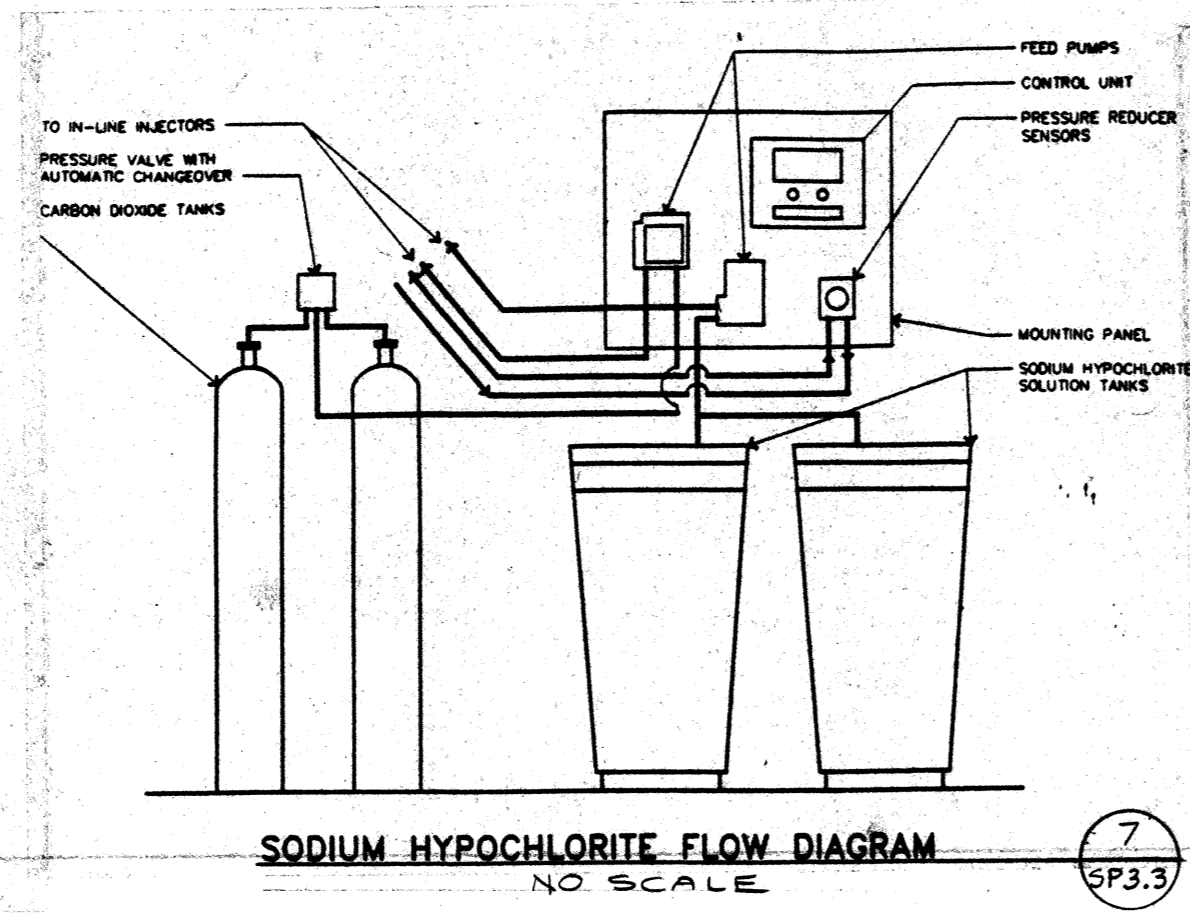
**SPA PIPING DIAGRAM**  
SCALE: NONE



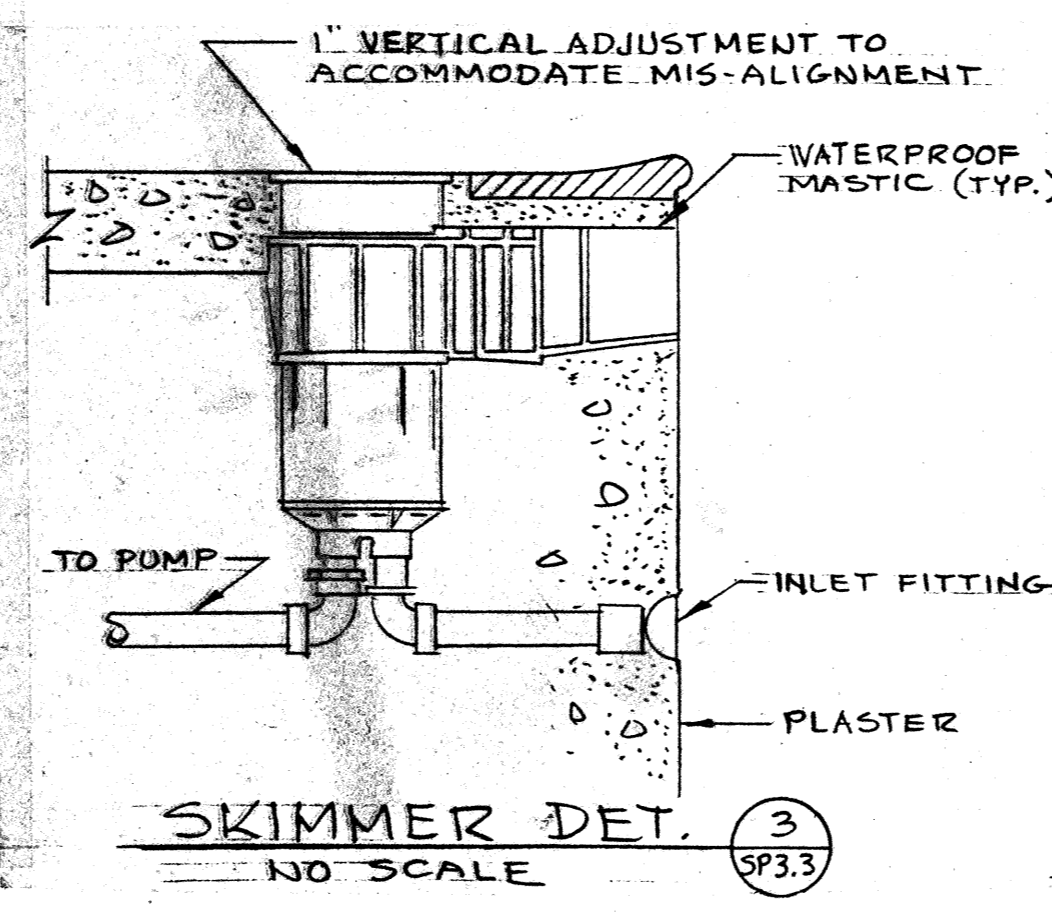
**SPA PIPING PLAN**  
SCALE: 1/2" = 1'-0"



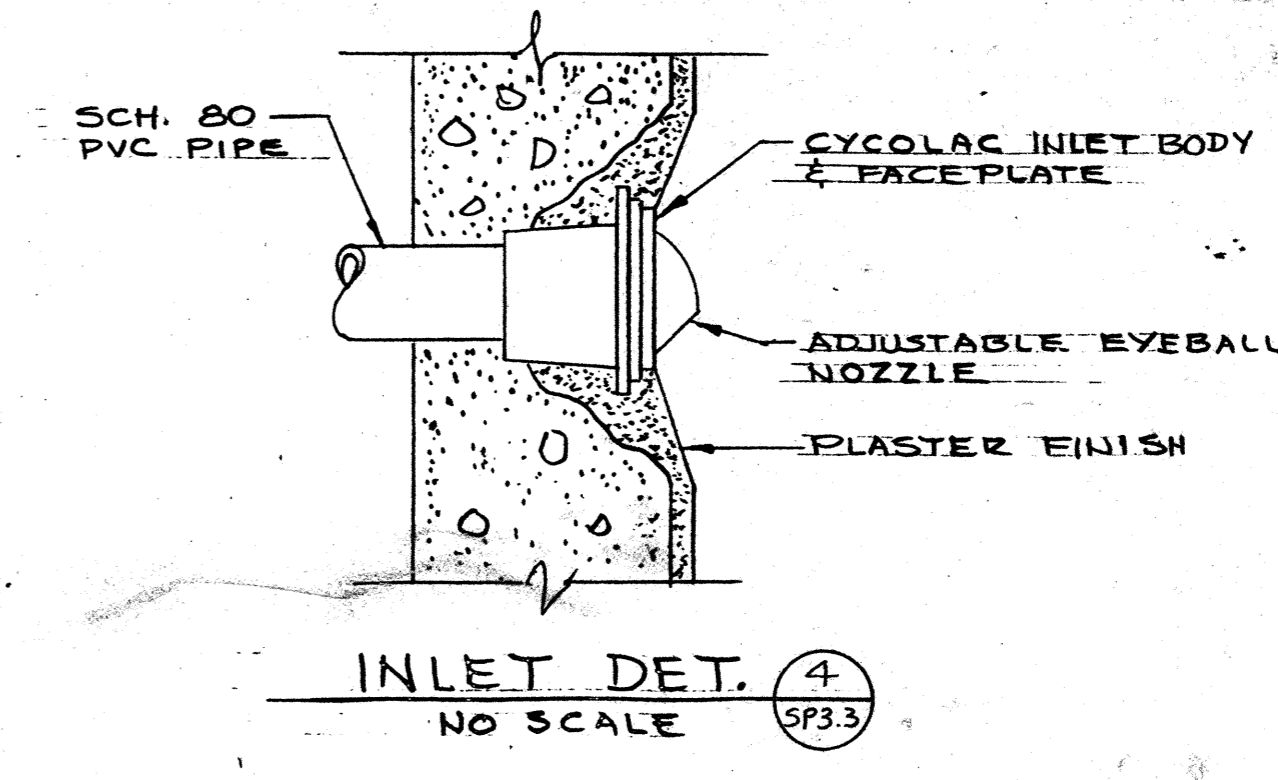
**MAIN DRAIN DET.**  
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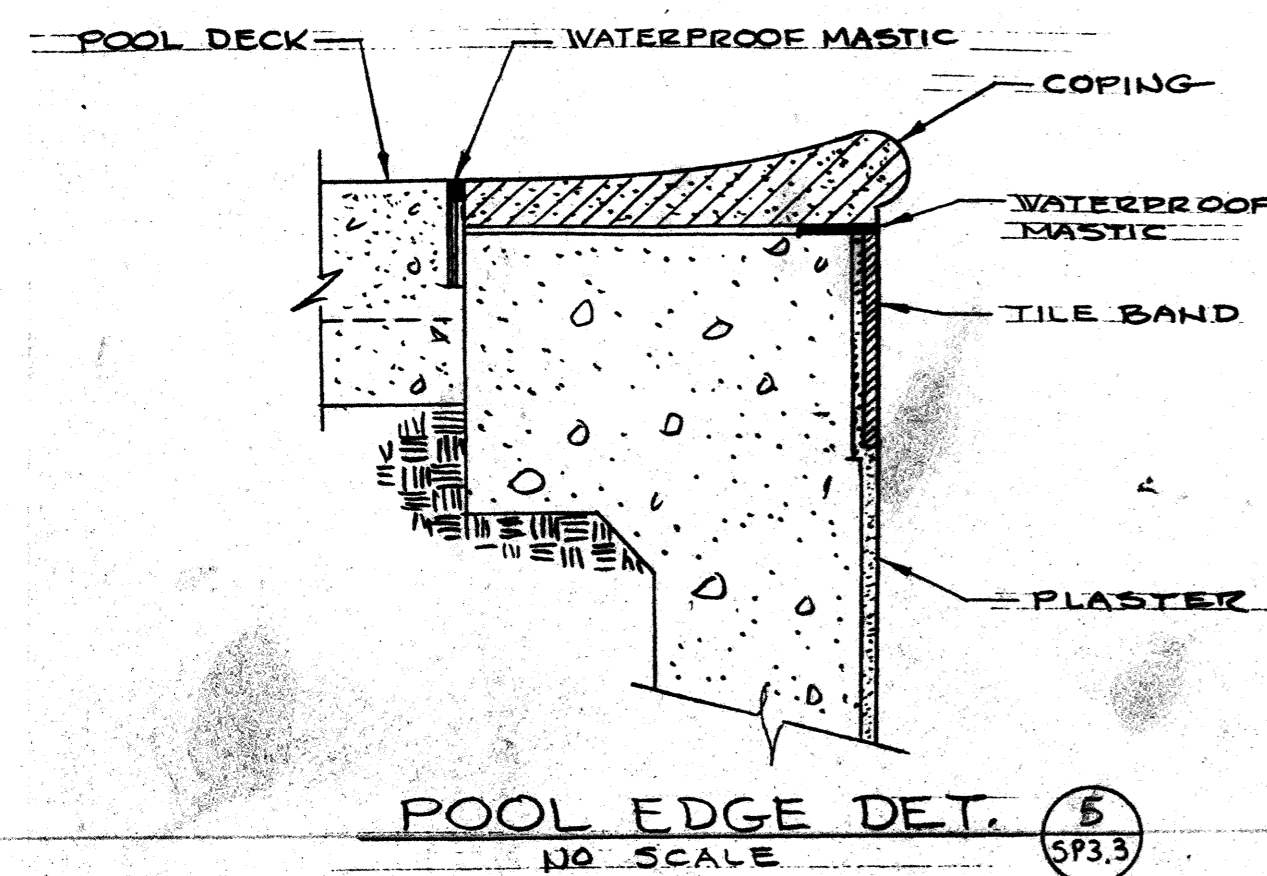
**SODIUM HYPOCHLORITE FLOW DIAGRAM**  
NO SCALE



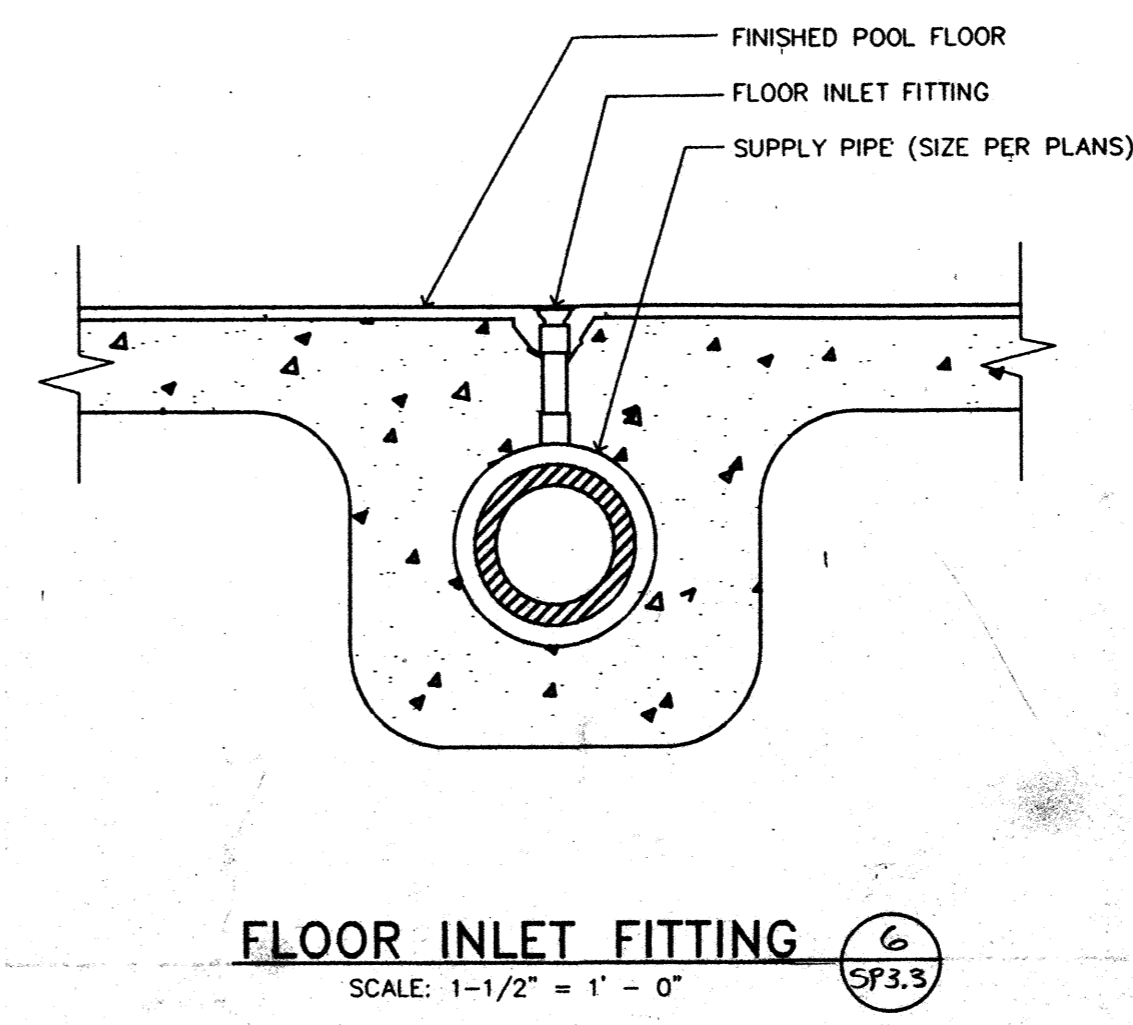
**SKIMMER DET.**  
NO SCALE



**INLET DET.**  
NO SCALE



**POOL EDGE DET.**  
NO SCALE



**FLOOR INLET FITTING**  
SCALE: 1-1/2" = 1'-0"

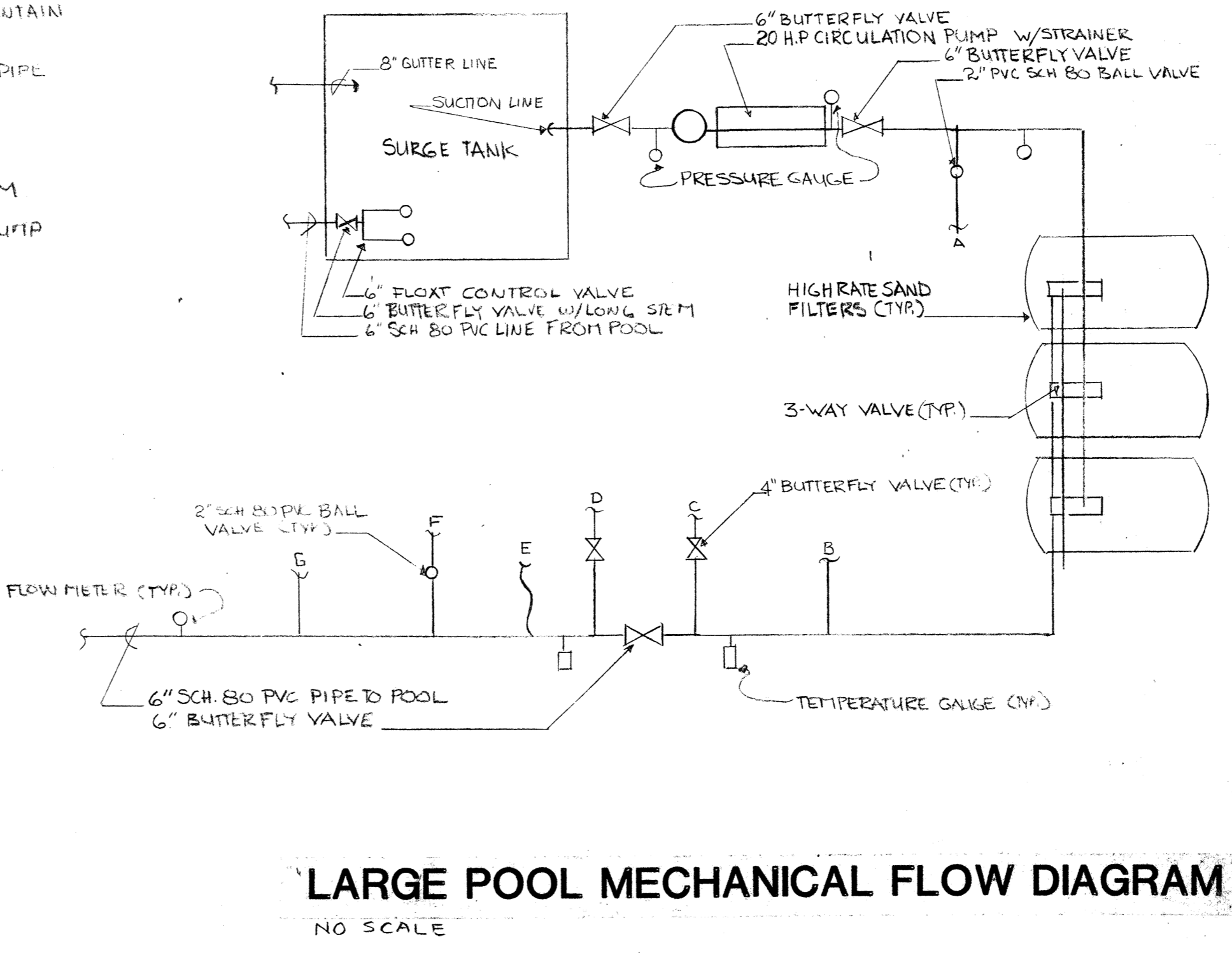
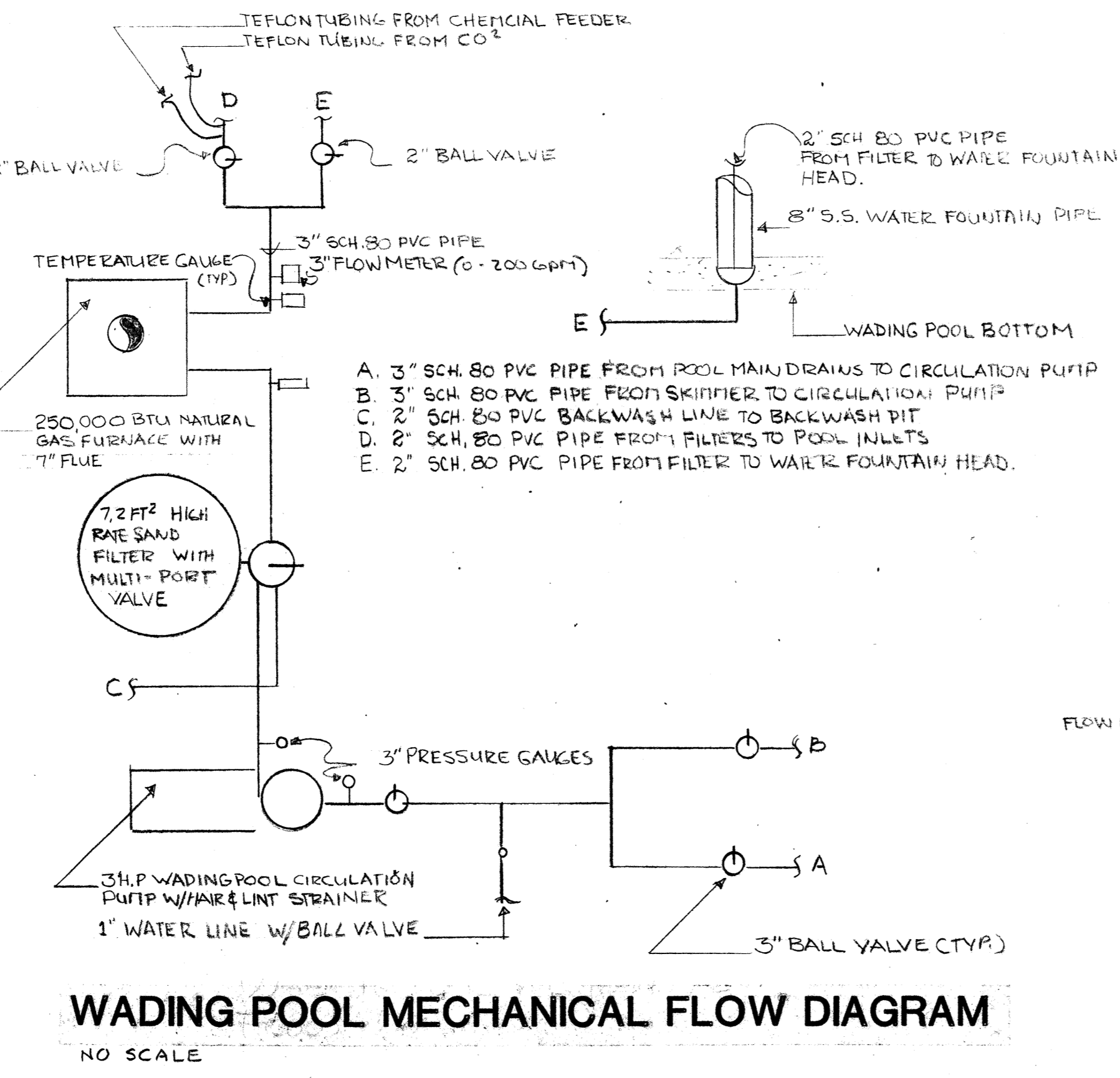
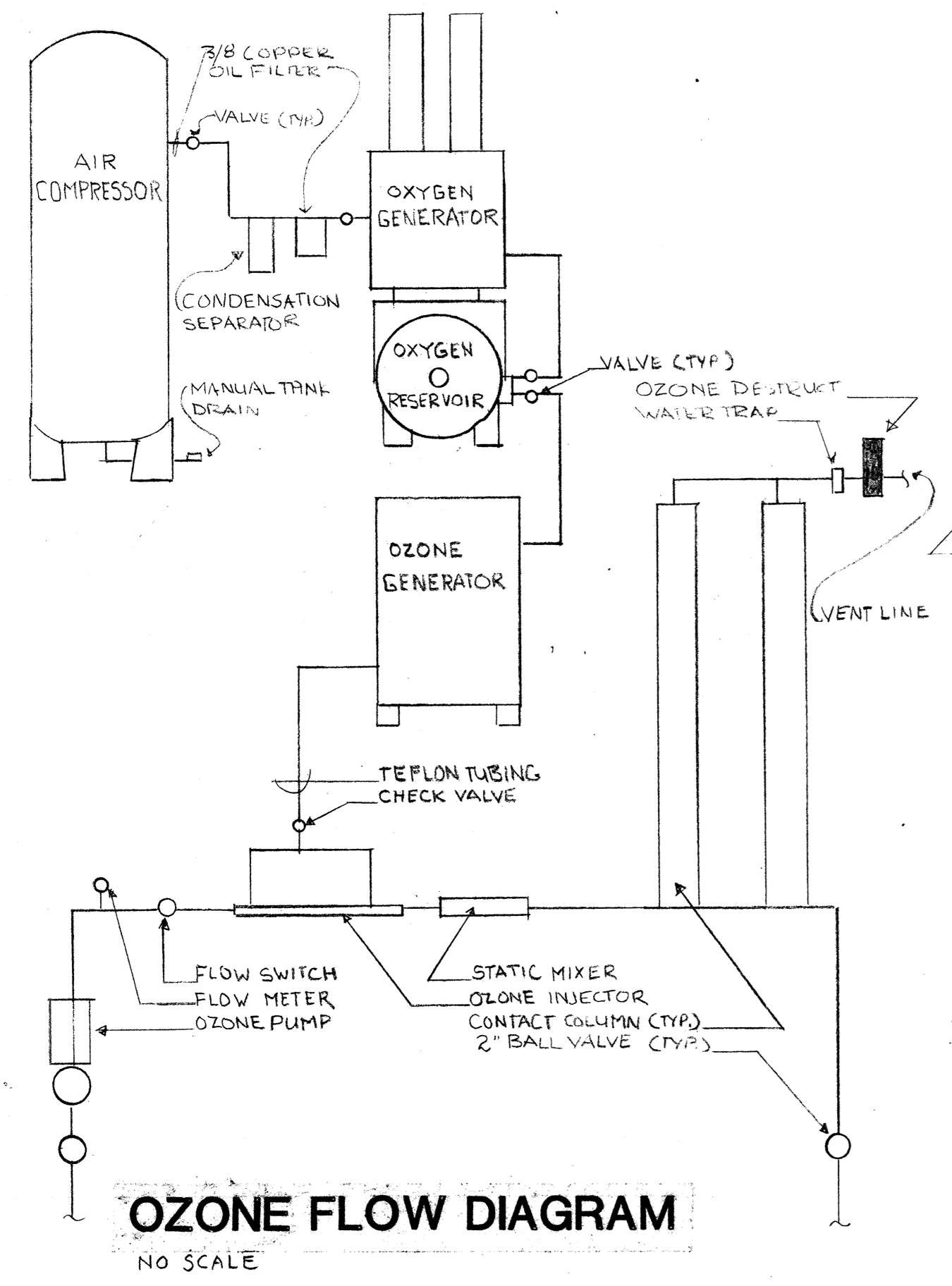
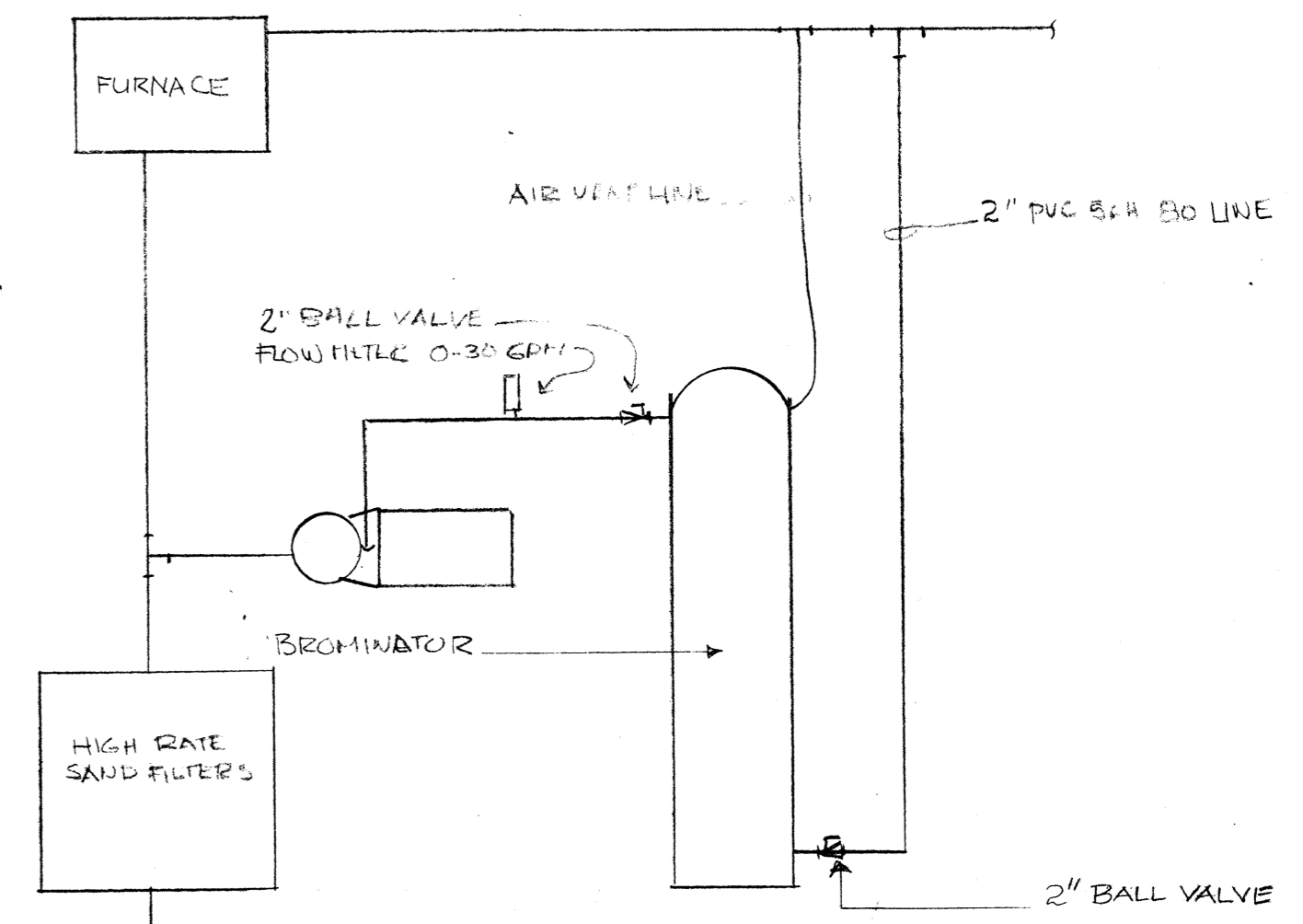
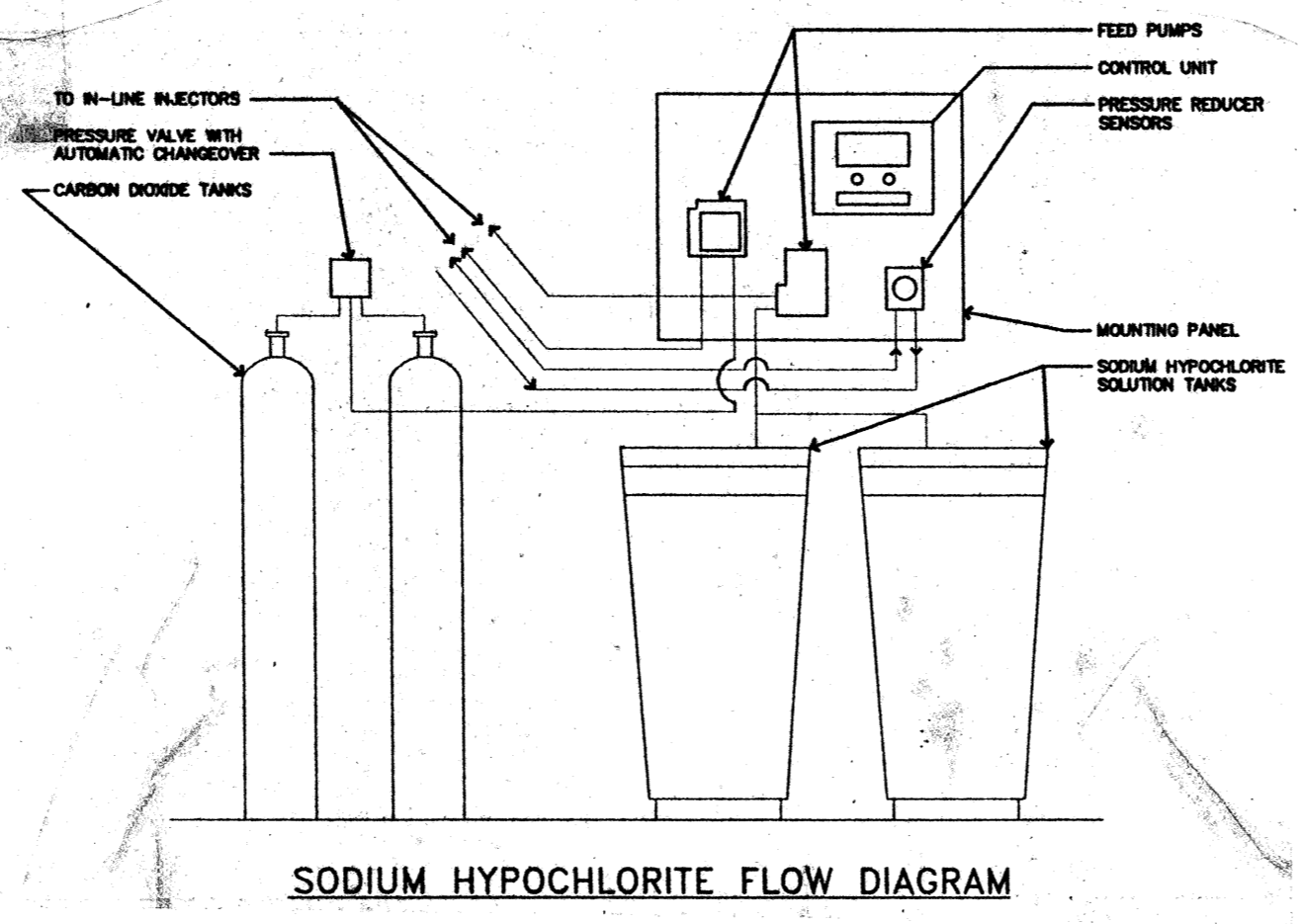
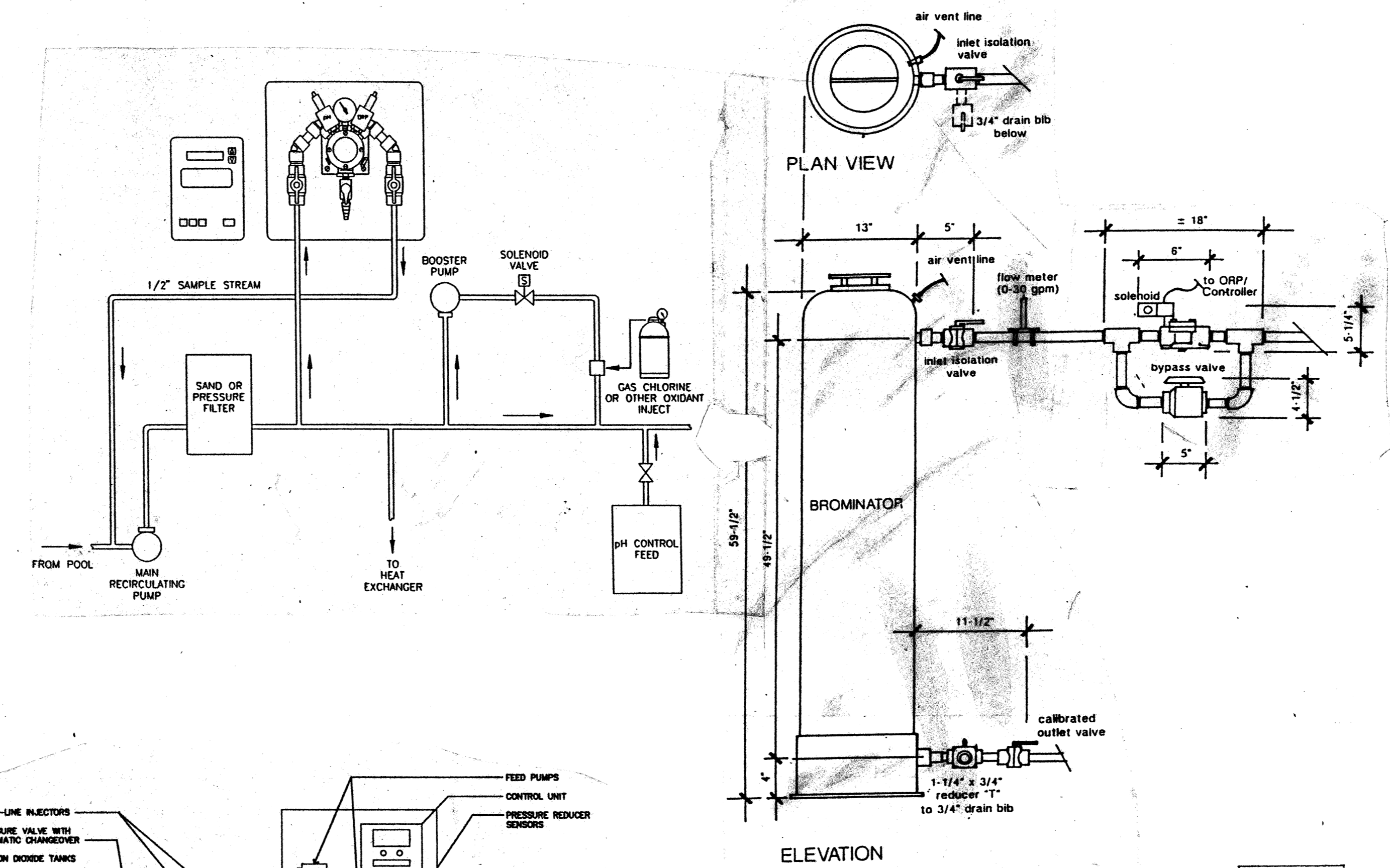
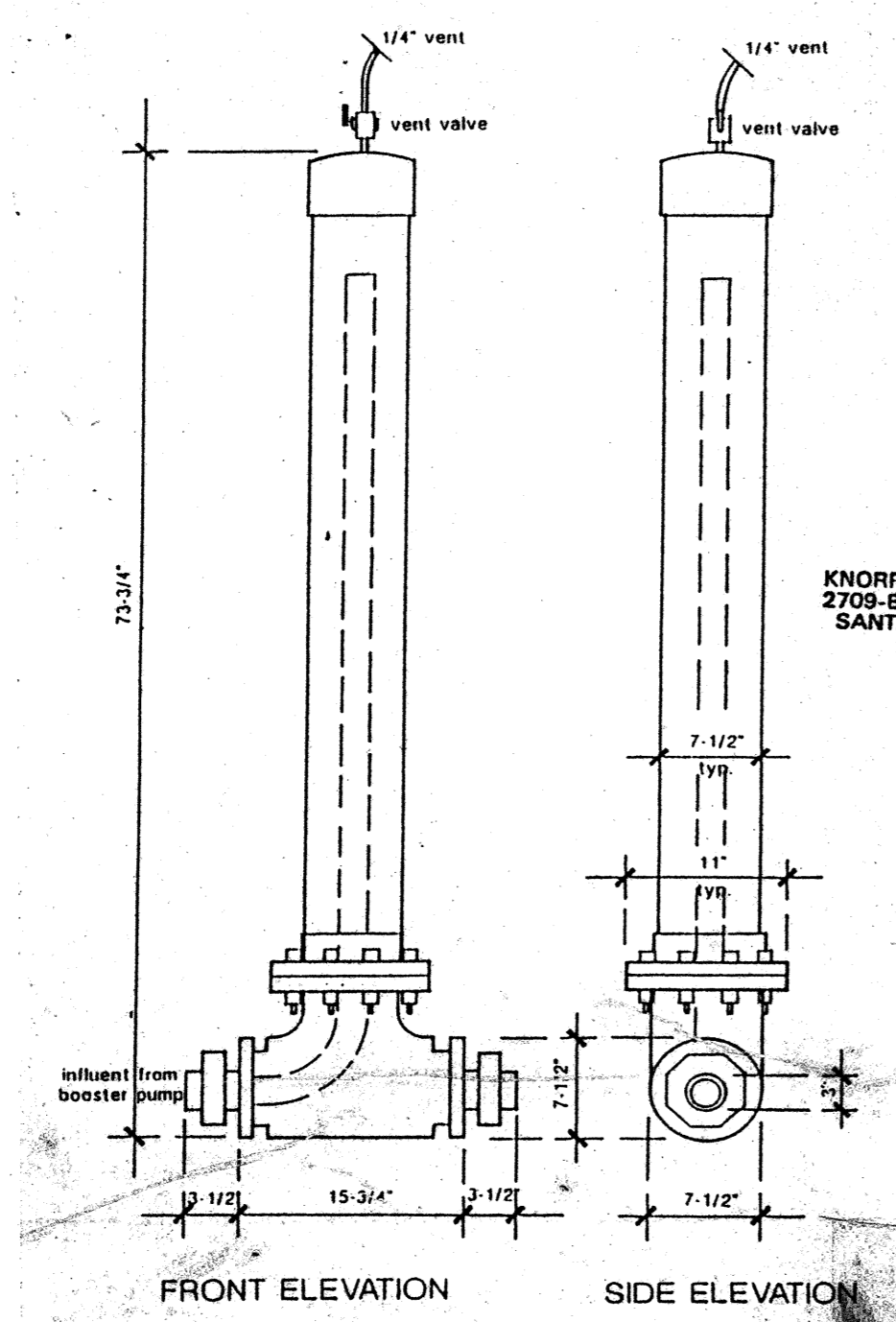
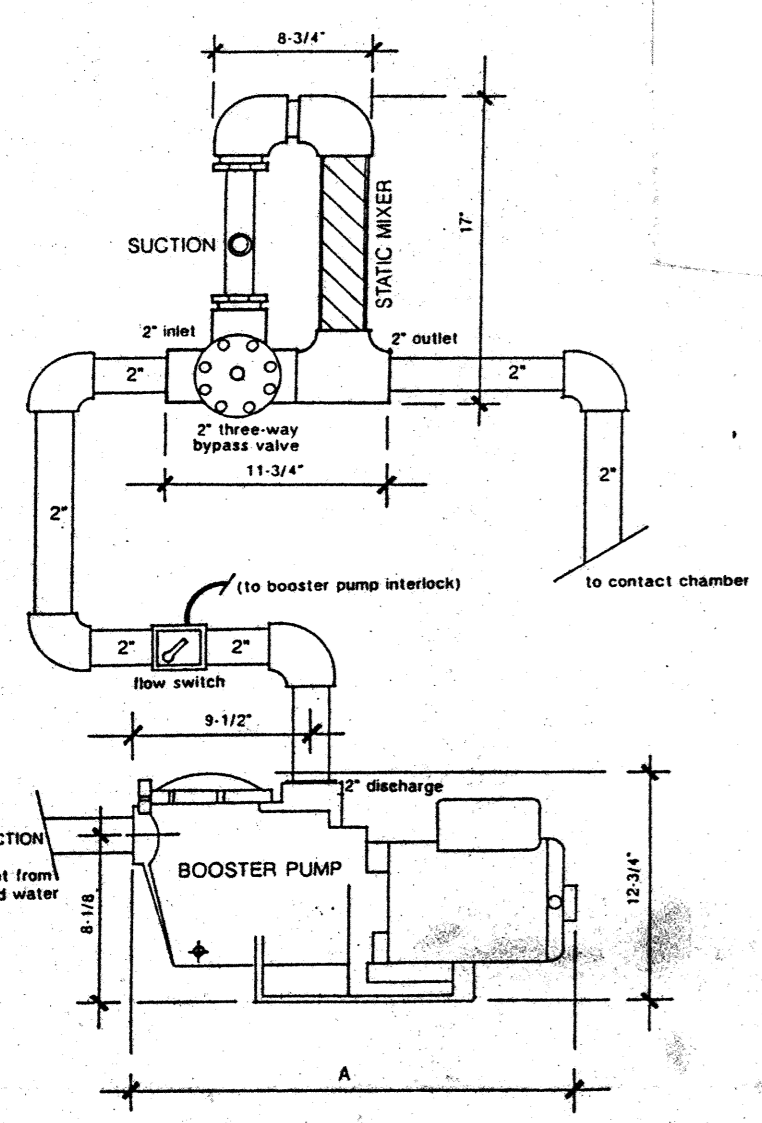
job no. 93-10
date 9-29-94
scale
drawn by
checked by
appr. by

**SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON**

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sheet  
**SP3.3**  
OF 3.4



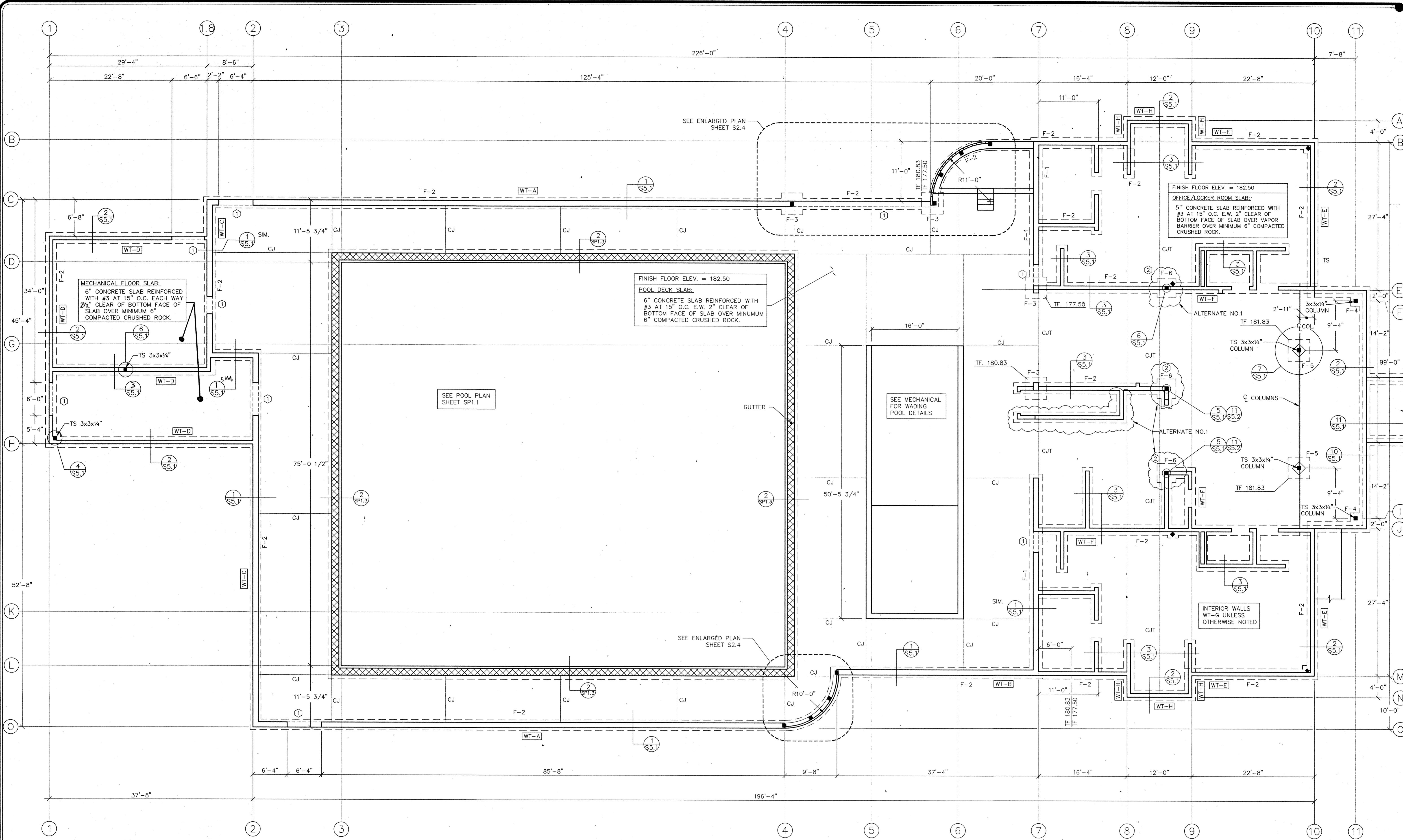
- A. 2" SCH 80 PVC PIPE TO OZONE BOOSTER PUMP
- B. 2" SCH 80 PVC PIPE TO BROMINE BOOSTER PUMP
- C. 4" SCH 80 PVC PIPE TO POOL FURNACE
- D. 4" SCH 80 PVC PIPE FROM POOL FURNACE
- E. 3/8" VENT TUBE FROM BROMINATOR
- F. 2" SCH 80 PVC PIPE FROM OZONE GENERATOR
- G. 2" SCH 80 PVC PIPE FROM BROMINATOR

job no. 93-10  
 date 9-29-94  
 scale  
 drawn by  
 checked by  
 appr. by

SWIMMING POOL  
 FOR THE  
 CITY OF WOODBURN  
 WOODBURN, OREGON

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sheet  
**SP3.4**  
 OF 3.4



FOOTING SCHEDULE		
MARK	SIZE	REINFORCEMENT
F-1	2'-6"x10" CONT.	#4 AT 12" O.C. TRANS., (3) #4 LONG
F-2	2'-0"x10" CONT.	#4 AT 18" O.C. TRANS., (3) #4 LONG
F-3	4'-0"x4'-0"x15"	(5) #5 E.W.
F-4	2'-0"x2'-0"x10"	(4) #5 E.W.
F-5	2'-6"x6'-6"x10"	(3) #5 E.W.
F-6	3'-6"x3'-6"x12"	(4) #5 E.W.

**FOUNDATION PLAN**  
1/8"=1'-0"

- NOTES:**
- BLOCKOUT FOUNDATION WALL 6". POUR FLOOR SLAB THROUGH DOORWAY. INSTALL TYPICAL CONST. JOINT (CJT) CENTERED UNDER CLOSE DOOR POSITION.
  - CONSTRUCT FOOTING AS PART OF THICKENED SLAB.
- LEGEND:**
- CJT TYPICAL CONTROL JOINT SEE DETAIL (8) (SS.1)
  - CJ POOL DECK CONTROL JOINT SEE DETAIL (1) (SPT.3)
  - WT-E WALL TYPE, SEE SHT. S3.2.

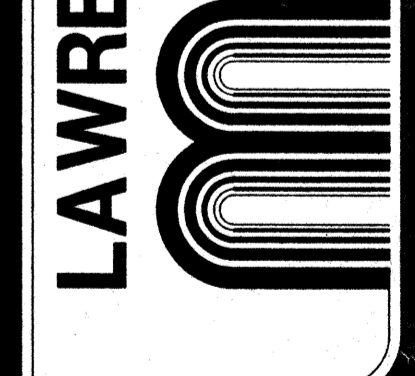


job no.: 93-10  
date: 9/23/94  
scale:  
drawn by: JP  
checked by:  
appr. by:

**SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON**

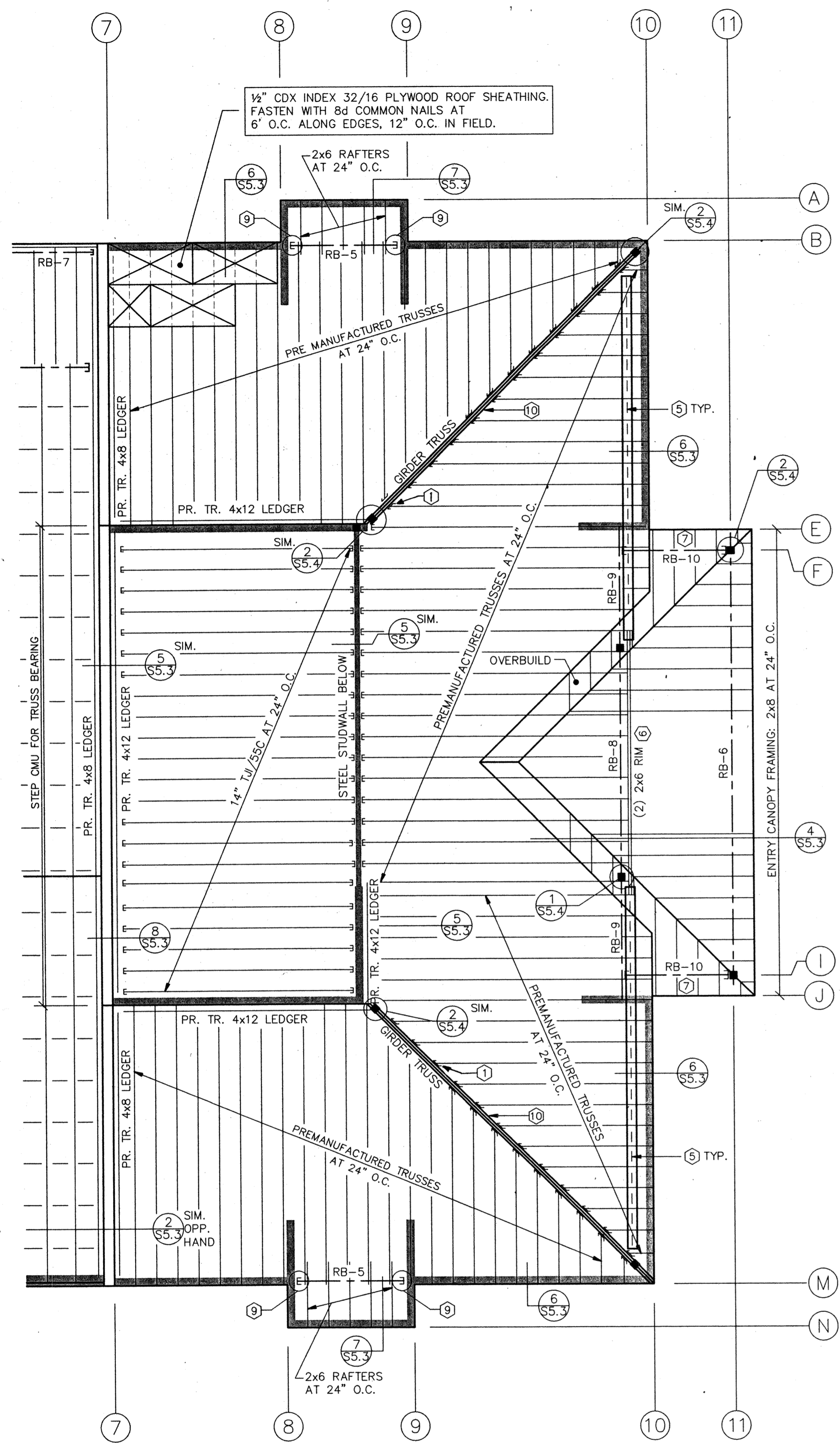
**FOUNDATION PLAN**

**LAWRENCE E. MATSON**  
**ARCHITECT, A.I.A.**  
16042 NE 8TH STREET, SUITE 101  
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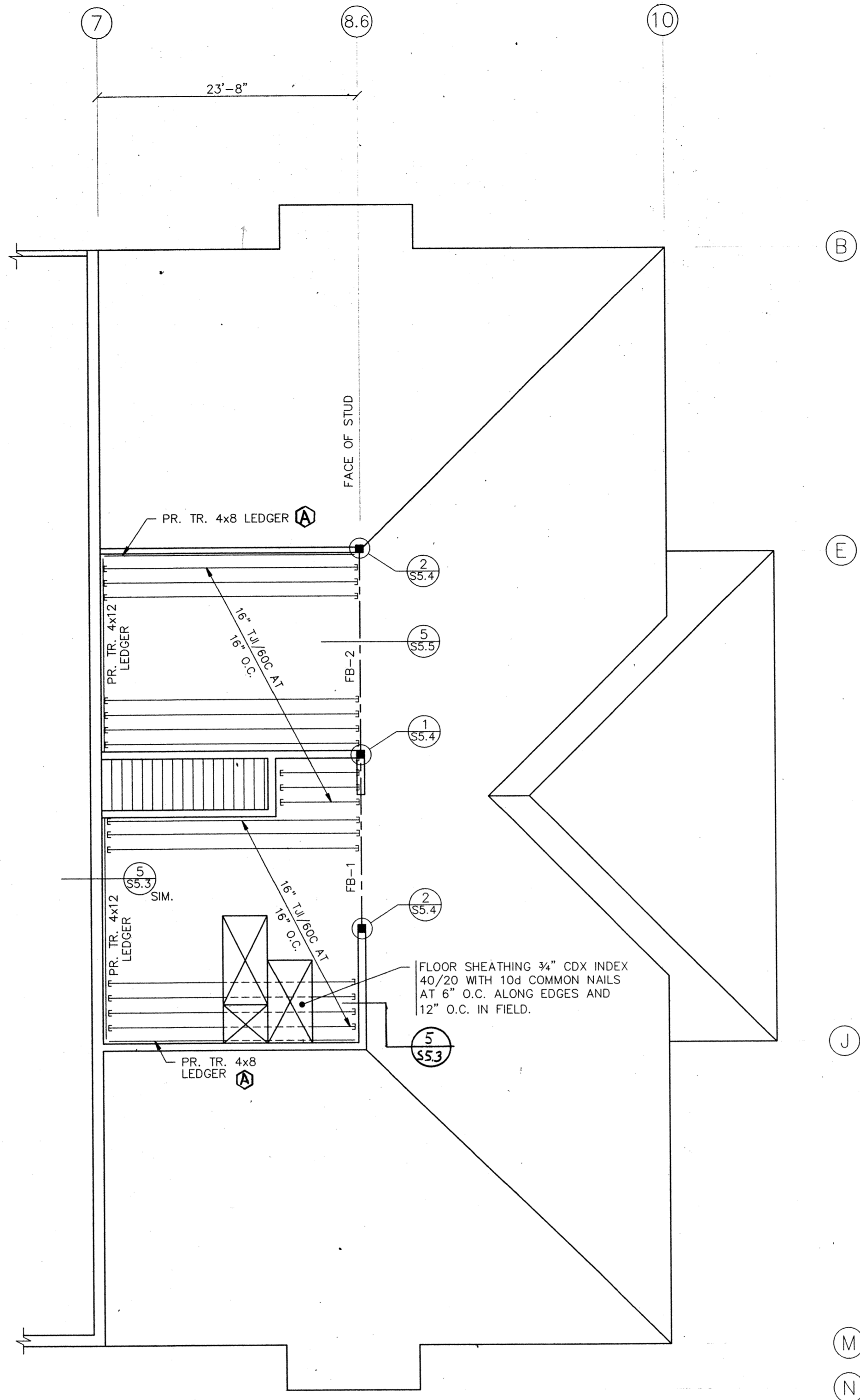


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CHARLES YOUNGMAN, INC.  
STRUCTURAL CIVIL ENGINEERS  
1375 LIBERTY ST. S.E., SALEM, OR 97302  
(503) 364-8207 FAX (503) 364-0735

sheet  
**S2.1**



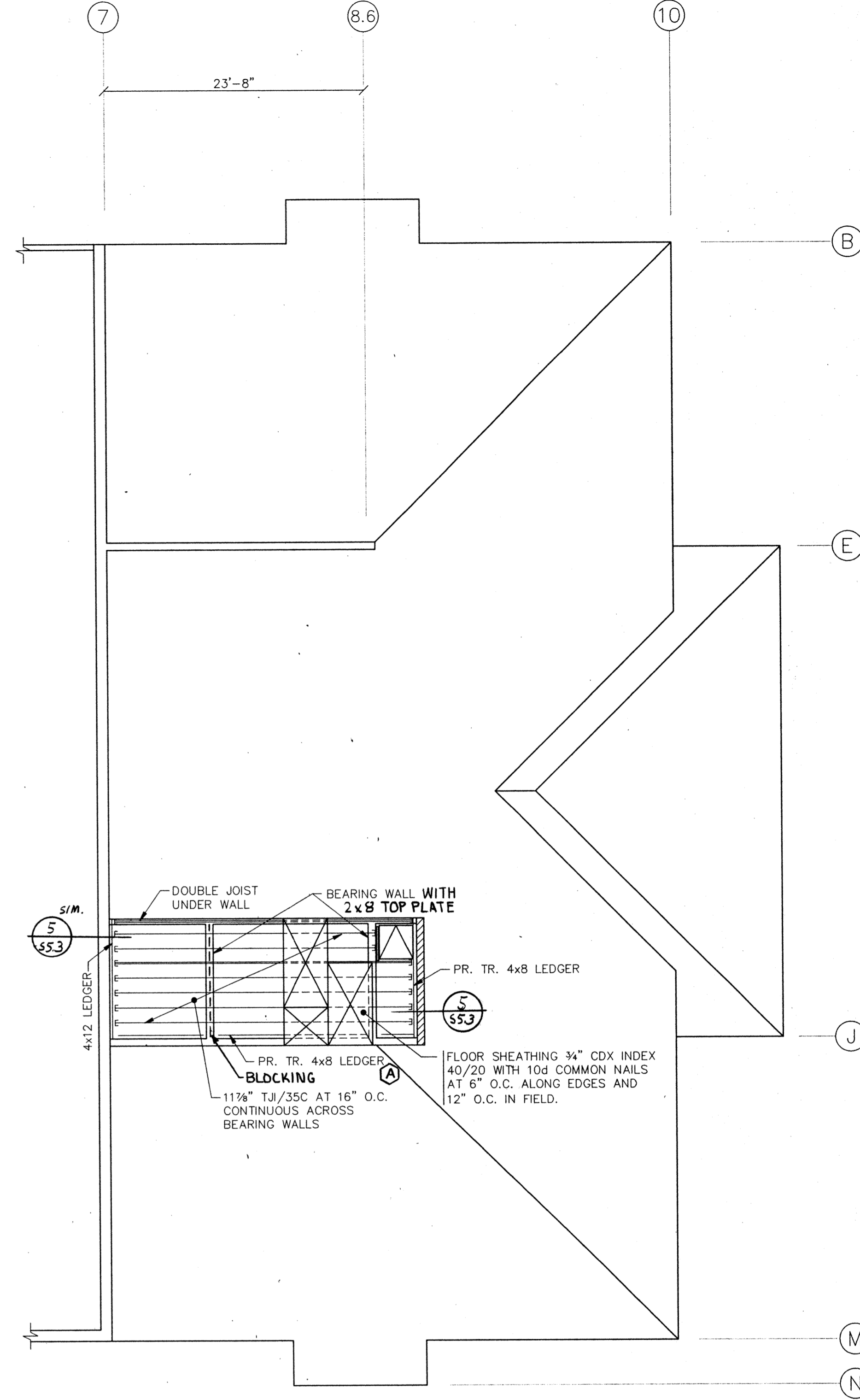
**ALTERNATE NO. 1**  
**ROOF FRAMING PLAN**  
1/8"=1'-0"



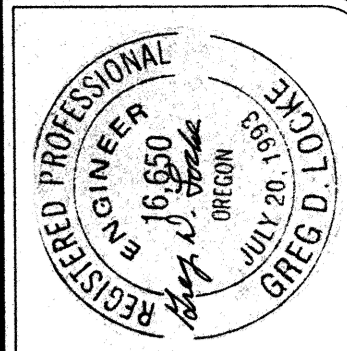
BEAM SCHEDULE				
MARK	TYPE	GRADE	SIZE	CAMBER
FB-1	GLULAM	24F-V4	6 3/4"x22 1/2"	STANDARD
FB-2	GLULAM	24F-V4	6 3/4"x22 1/2"	STANDARD

NOTES:  
SEE SHT. S2.3 FOR ROOF FRAMING NOTES  
Ⓐ FASTEN LEDGER TO WALL WITH 3/8" A.B. AT 24" O.C.

**ALTERNATE NO. 1**  
**SECOND FLOOR FRAMING PLAN**  
1/8"=1'-0"



**BASE BID**  
**SECOND FLOOR FRAMING PLAN**  
1/8"=1'-0"



job no.: 93-110  
date: 9/23/94  
scale:  
drawn by: J.P.  
checked by:  
appr. by:

SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON

**SECOND FLOOR FRAMING PLAN**

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BELLEVUE, WASHINGTON 98007

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sheet  
**S2.2**

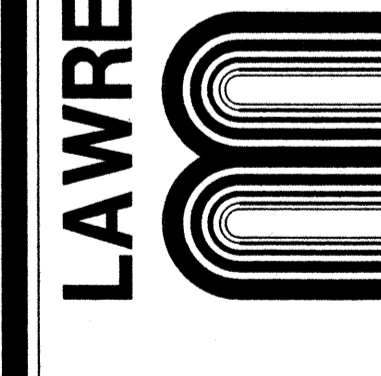




job no. : 93-10  
 date : 9/23/94  
 scale :  
 drawn by : JP  
 checked by :  
 appr. by :

SWIMMING POOL  
 FOR THE  
 CITY OF WOODBURN  
 WOODBURN, OREGON  
**ROOF FRAMING PLAN**

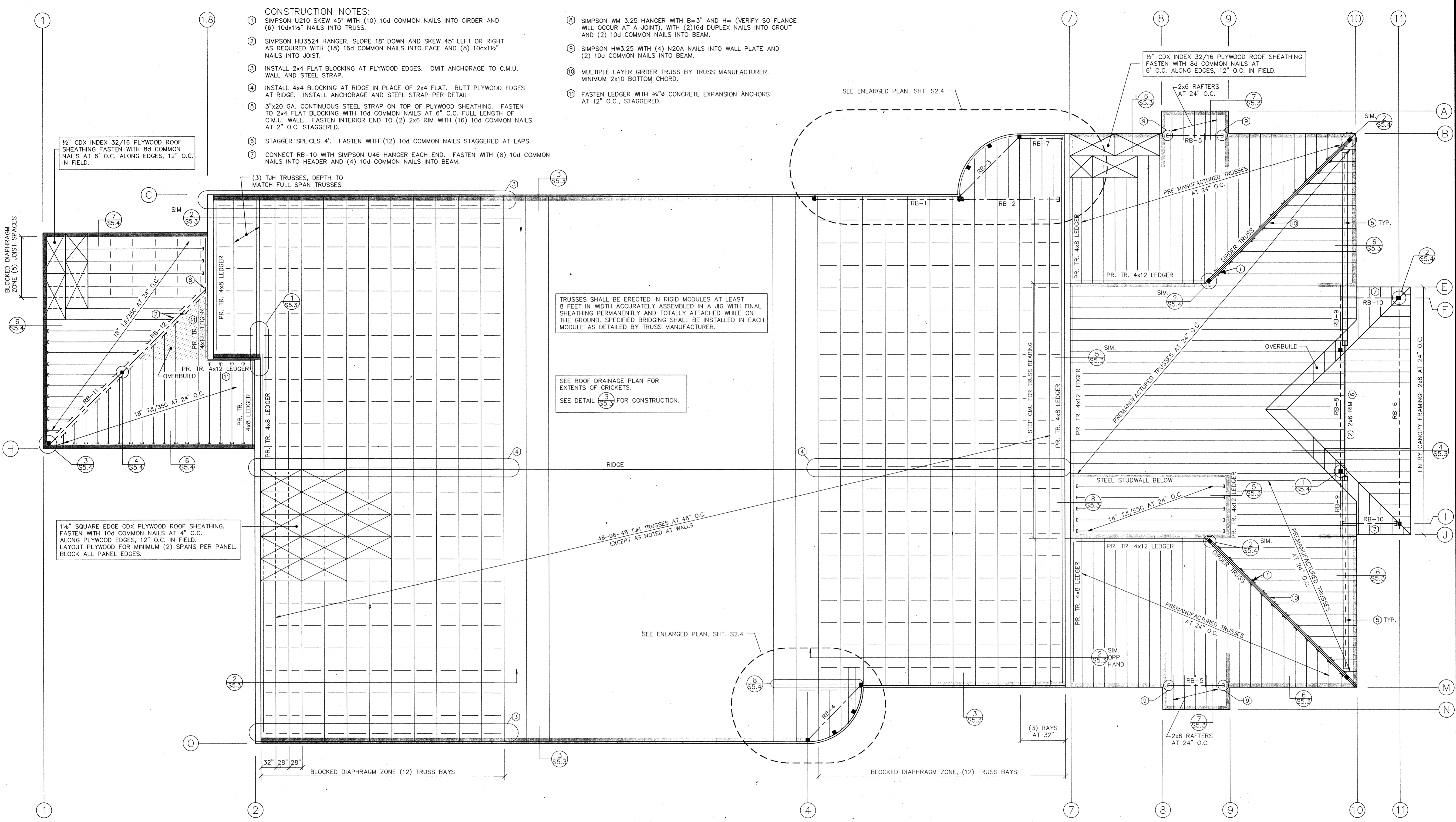
**LAWRENCE E. MATSON**  
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sheet  
**S2.3**

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- CONSTRUCTION NOTES:**
- SIMPSON U210 SKEW 45° WITH (10) 10d COMMON NAILS INTO GIRDER AND (6) 10d x 1 1/2" NAILS INTO TRUSS.
  - SIMPSON HU3524 HANGER, SLOPE 18° DOWN AND SKEW 45° LEFT OR RIGHT AS REQUIRED WITH (18) 16d COMMON NAILS INTO FACE AND (8) 10d x 1 1/2" NAILS INTO JOIST.
  - INSTALL 2x4 FLAT BLOCKING AT PLYWOOD EDGES. OMIT ANCHORAGE TO C.M.U. WALL AND STEEL STRAP.
  - INSTALL 4x4 BLOCKING AT RIDGE IN PLACE OF 2x4 FLAT. BUTT PLYWOOD EDGES AT RIDGE. INSTALL ANCHORAGE AND STEEL STRAP PER DETAIL.
  - 3"x20 GA. CONTINUOUS STEEL STRAP ON TOP OF PLYWOOD SHEATHING. FASTEN TO 2x4 FLAT BLOCKING WITH 10d COMMON NAILS AT 6" O.C. FULL LENGTH OF C.M.U. WALL. FASTEN INTERIOR END TO (2) 2x6 RIM WITH (16) 10d COMMON NAILS AT 2" O.C. STAGGERED.
  - STAGGER SPLICES 4'. FASTEN WITH (12) 10d COMMON NAILS STAGGERED AT LAPS.
  - CONNECT RB-10 WITH SIMPSON U46 HANGER EACH END. FASTEN WITH (8) 10d COMMON NAILS INTO HEADER AND (4) 10d COMMON NAILS INTO BEAM.
  - SIMPSON WM 3.25 HANGER WITH B=3" AND H= (VERIFY SO FLANGE WILL OCCUR AT A JOINT), WITH (2) 16d DUPLEX NAILS INTO GROUT AND (2) 10d COMMON NAILS INTO BEAM.
  - SIMPSON HW3.25 WITH (4) N20A NAILS INTO WALL PLATE AND (2) 10d COMMON NAILS INTO BEAM.
  - MULTIPLE LAYER GIRDER TRUSS BY TRUSS MANUFACTURER. MINIMUM 2x10 BOTTOM CHORD.
  - FASTEN LEDGER WITH 3/4"Ø CONCRETE EXPANSION ANCHORS AT 12" O.C., STAGGERED.



**BEAM SCHEDULE**

MARK	TYPE	GRADE	SIZE	CAMBER
RB-1	STEEL	A36	W16x50	
RB-2	STEEL	A36	W16x50	
RB-3	STEEL	A36	W8x10	
RB-4	STEEL	A36	W12x19	
RB-5	GLULAM	24FV4	3 1/2" x 10 1/2"	STANDARD
RB-6	GLULAM	24FV4	5 1/2" x 22 1/2"	STANDARD
RB-7	STEEL	A36	W8x10	
RB-8	GLULAM	24FV4	5 1/2" x 19 1/2"	STANDARD
RB-9	GLULAM	24FV4	5 1/2" x 19 1/2"	STANDARD
RB-10	LUMBER	#2 DF	4x8	
RB-11	GLULAM	24FV4	3 1/2" x 18"	STANDARD
RB-12	GLULAM	24FV4	3 1/2" x 18"	STANDARD

**STRUCTURAL DESIGN CODE AND CRITERIAL NOTES:**

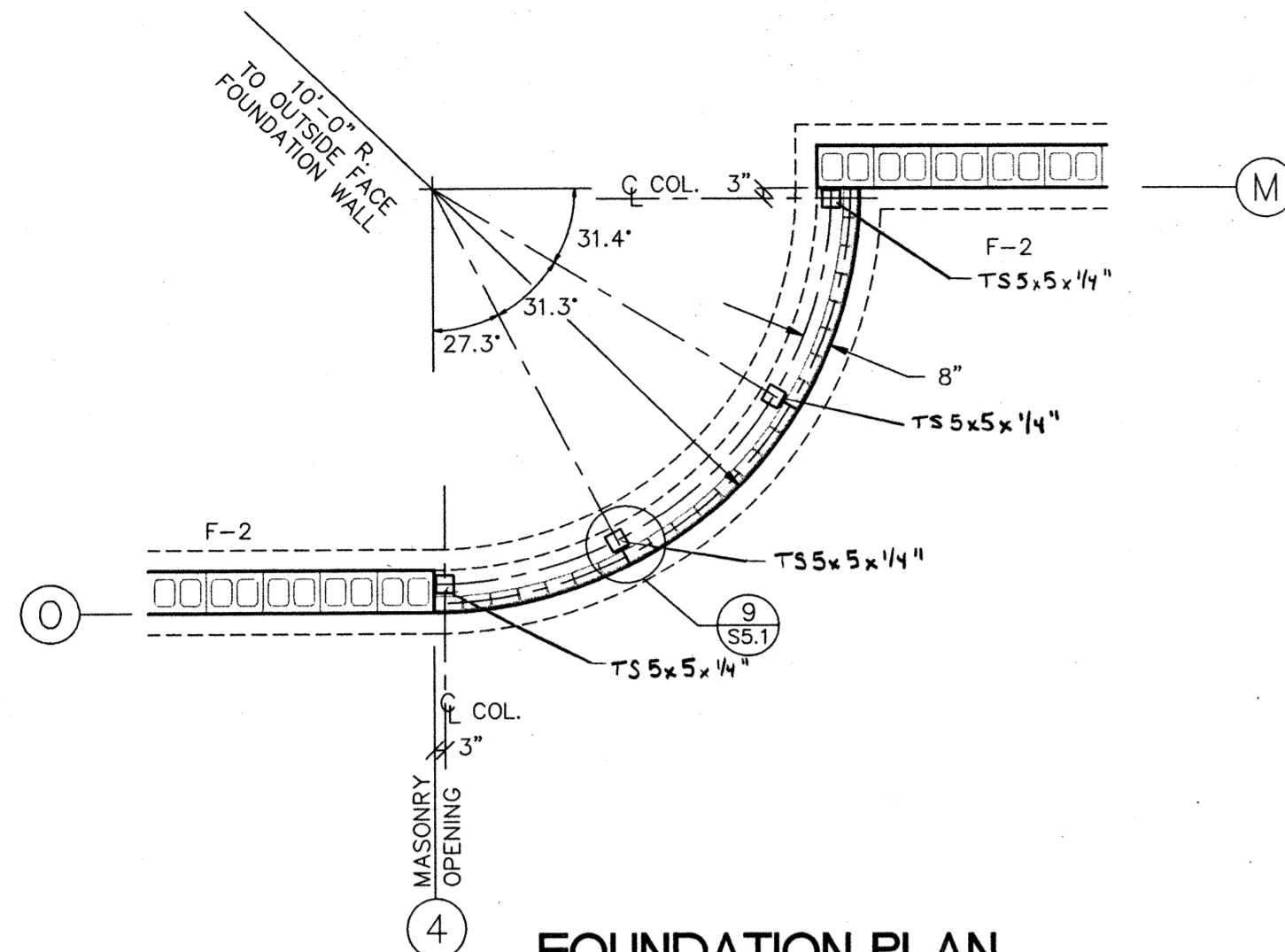
**APPLICABLE CODES**  
 1991 U.B.C. AMENDED BY OREGON STRUCTURAL SPECIALTY CODE AND FIRE AND LIFE SAFETY CODE, NOV. 1993 REVISION.

**STRUCTURAL DESIGN CRITERIA**

ROOF DESIGN SNOW LOAD	25 PSF
SNOW DRIFT METHOD	STRUCTURAL ENGINEERS ASSOC. OF OREGON
ROOF DEAD LOAD	15 PSF
SEISMIC ZONE	3
SEISMIC OCCUPANCY IMPORTANCE FACTOR	1.0
DESIGN WIND SPEED, EXPOSURE	80 MPH, EXPOSURE B
MAXIMUM DEAD PLUS LIVE LOAD FOOTING PRESSURE	2800 PSF

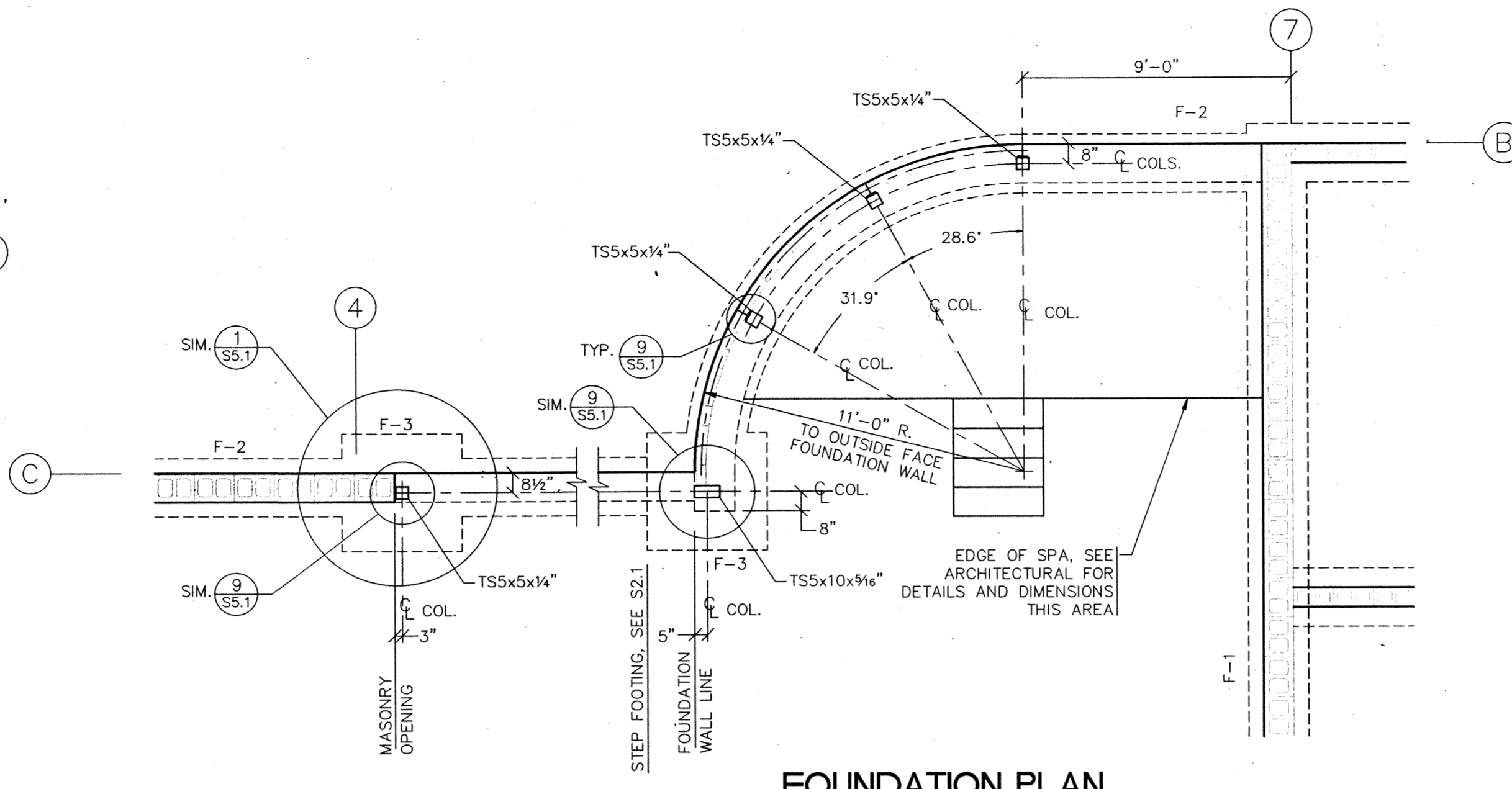
**ROOF FRAMING PLAN**  
 1/8" = 1'-0"

S21, 88.0  
 10/26/94



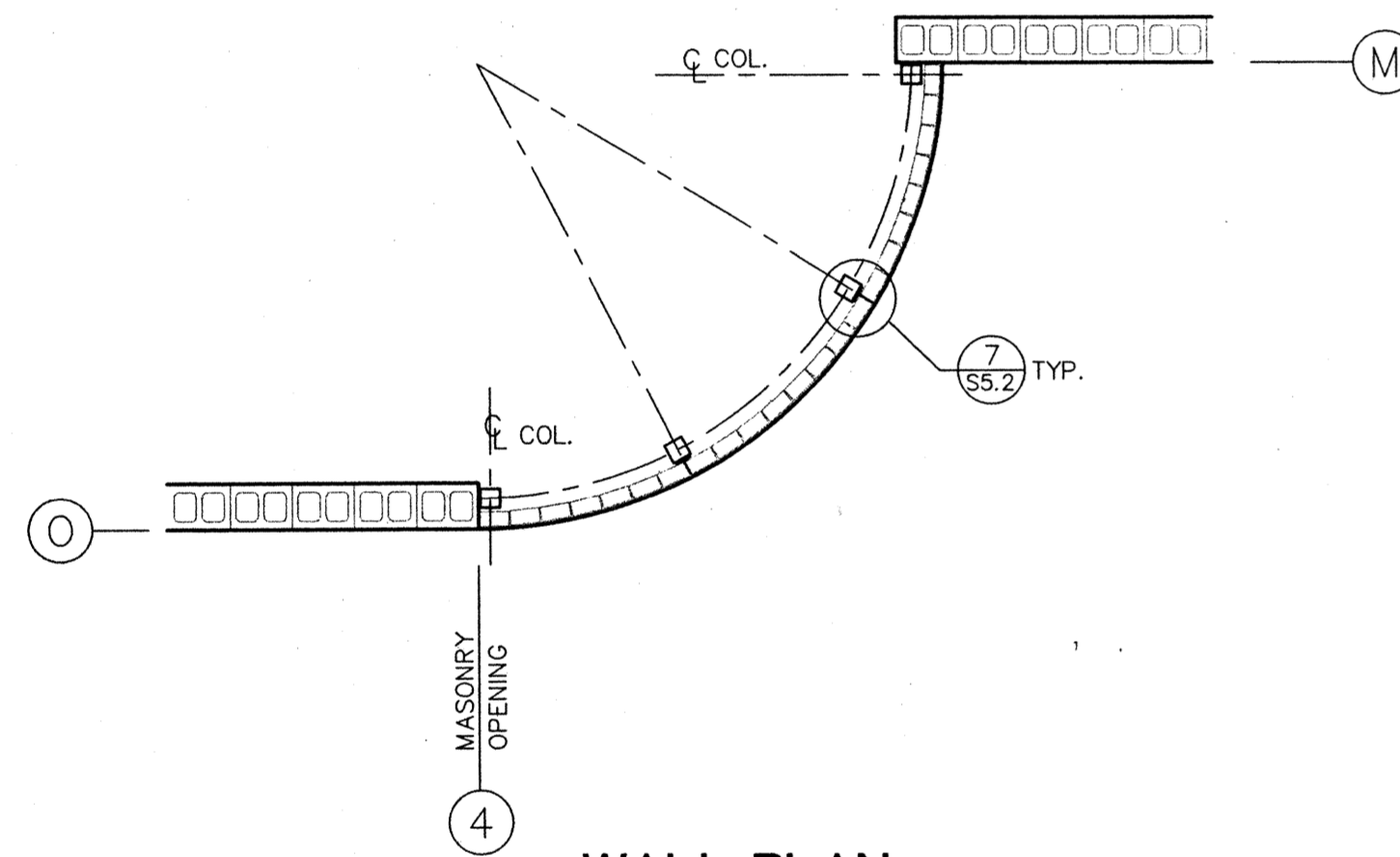
**FOUNDATION PLAN**

1/4"=1'-0"



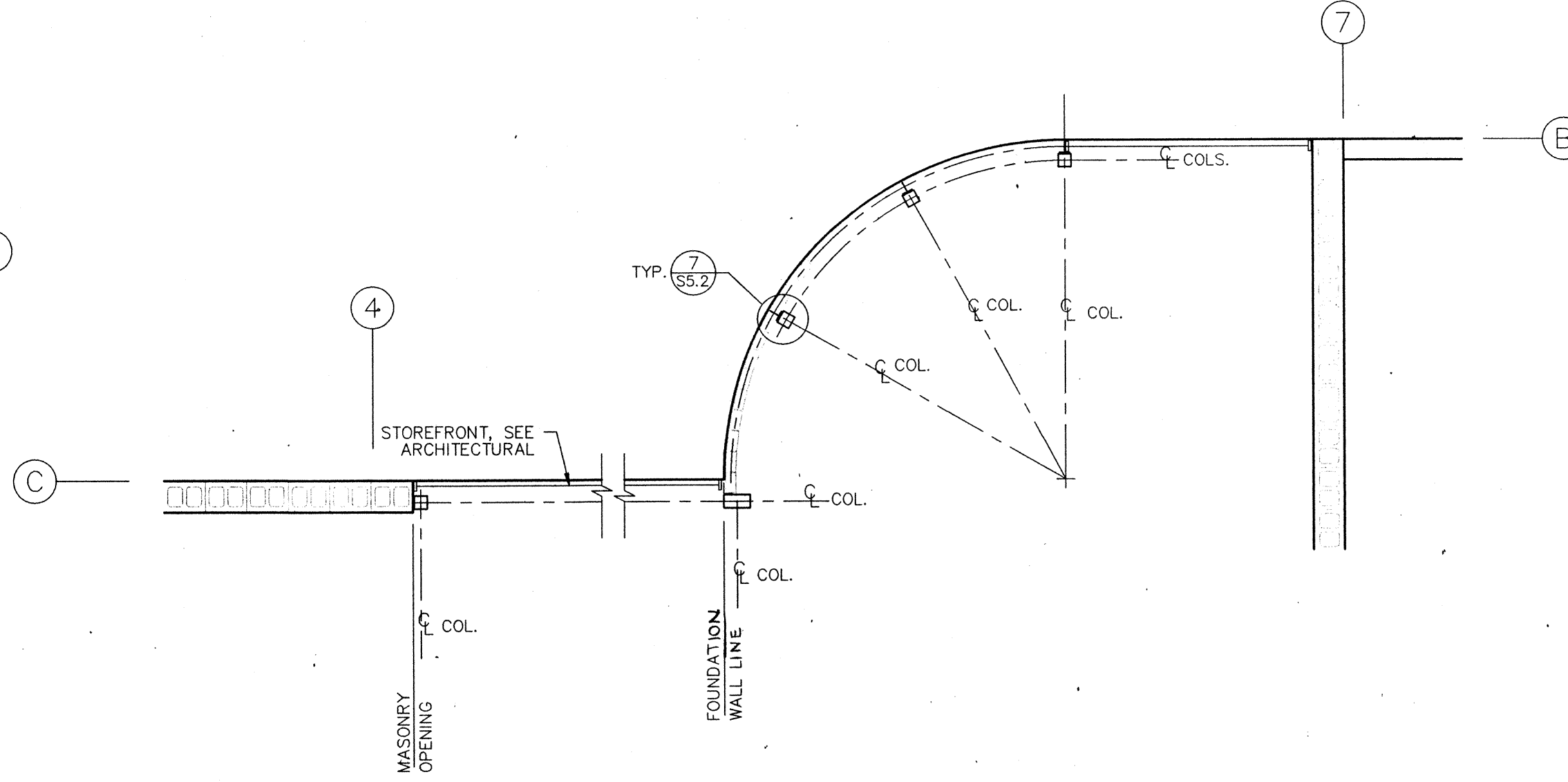
**FOUNDATION PLAN**

1/4"=1'-0"



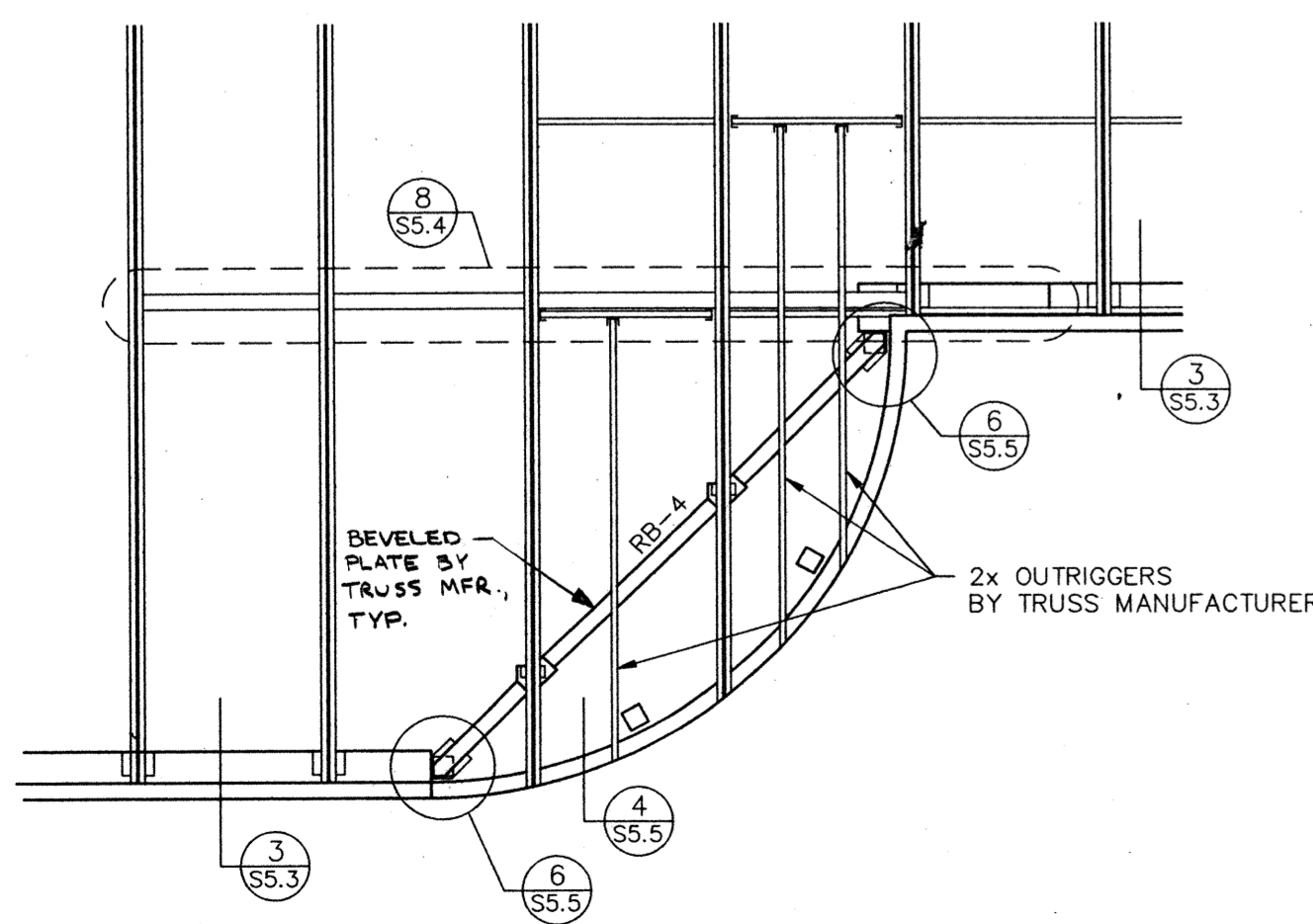
**WALL PLAN**

1/4"=1'-0"



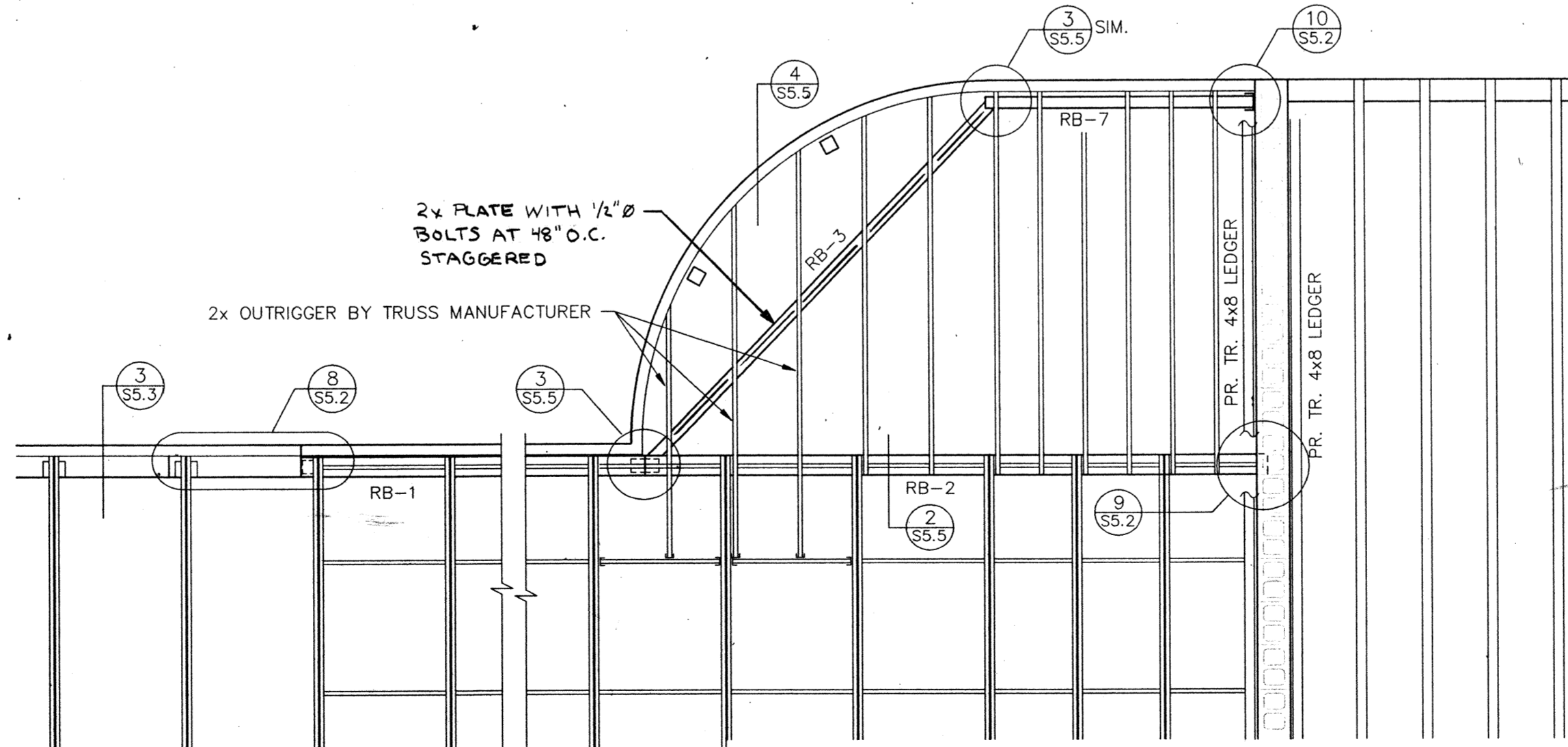
**WALL PLAN**

1/4"=1'-0"



**ROOF FRAMING PLAN**

1/4"=1'-0"

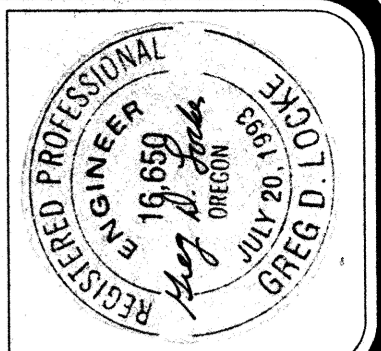


**ROOF FRAMING PLAN**

1/4"=1'-0"

154-482 1217

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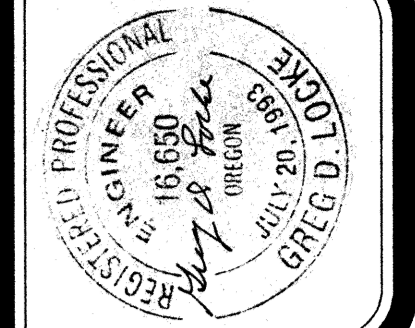


job no.: 93-10  
date: 09/26/94  
scale:  
drawn by: BKO  
checked by:  
appr. by:

SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON  
ENLARGED PLANS

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sheet  
S24  
OF



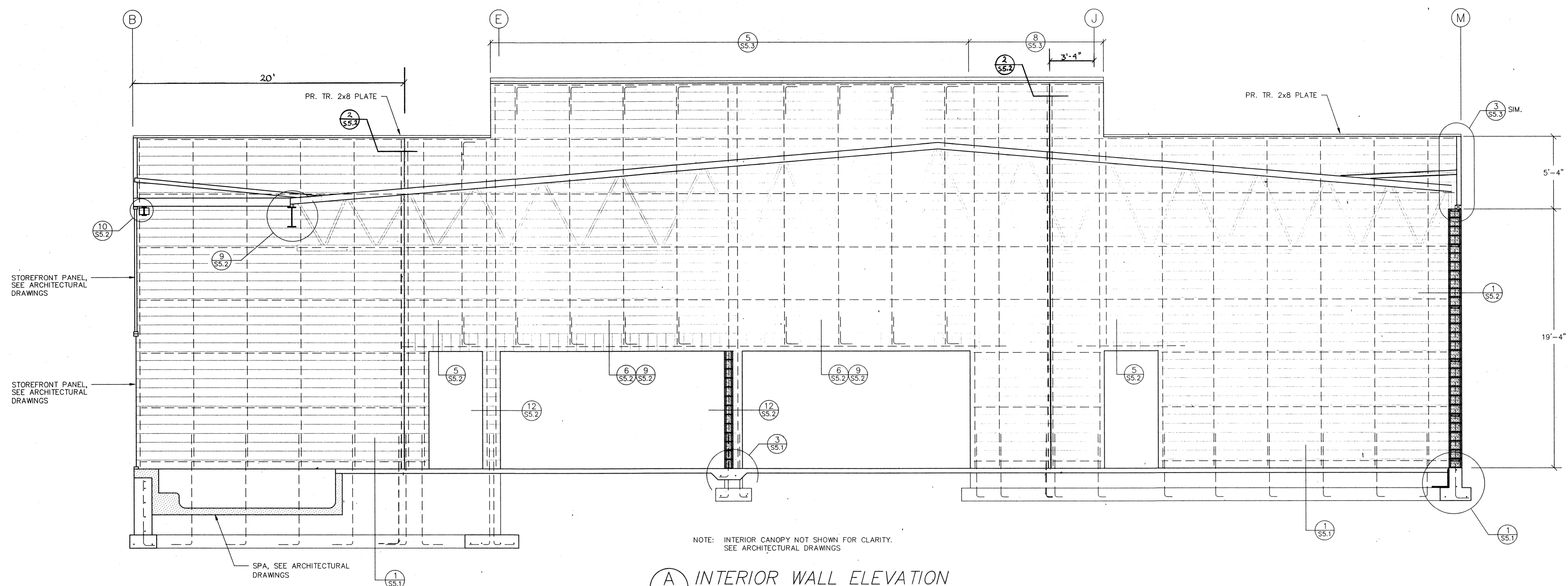
job no.: 93-10  
 date: 09/26/94  
 scale:  
 drawn by: JP  
 checked by:  
 appr. by:

SWIMMING POOL  
 FOR THE  
 CITY OF WOODBURN  
 WOODBURN, OREGON  
 WALL ELEVATIONS

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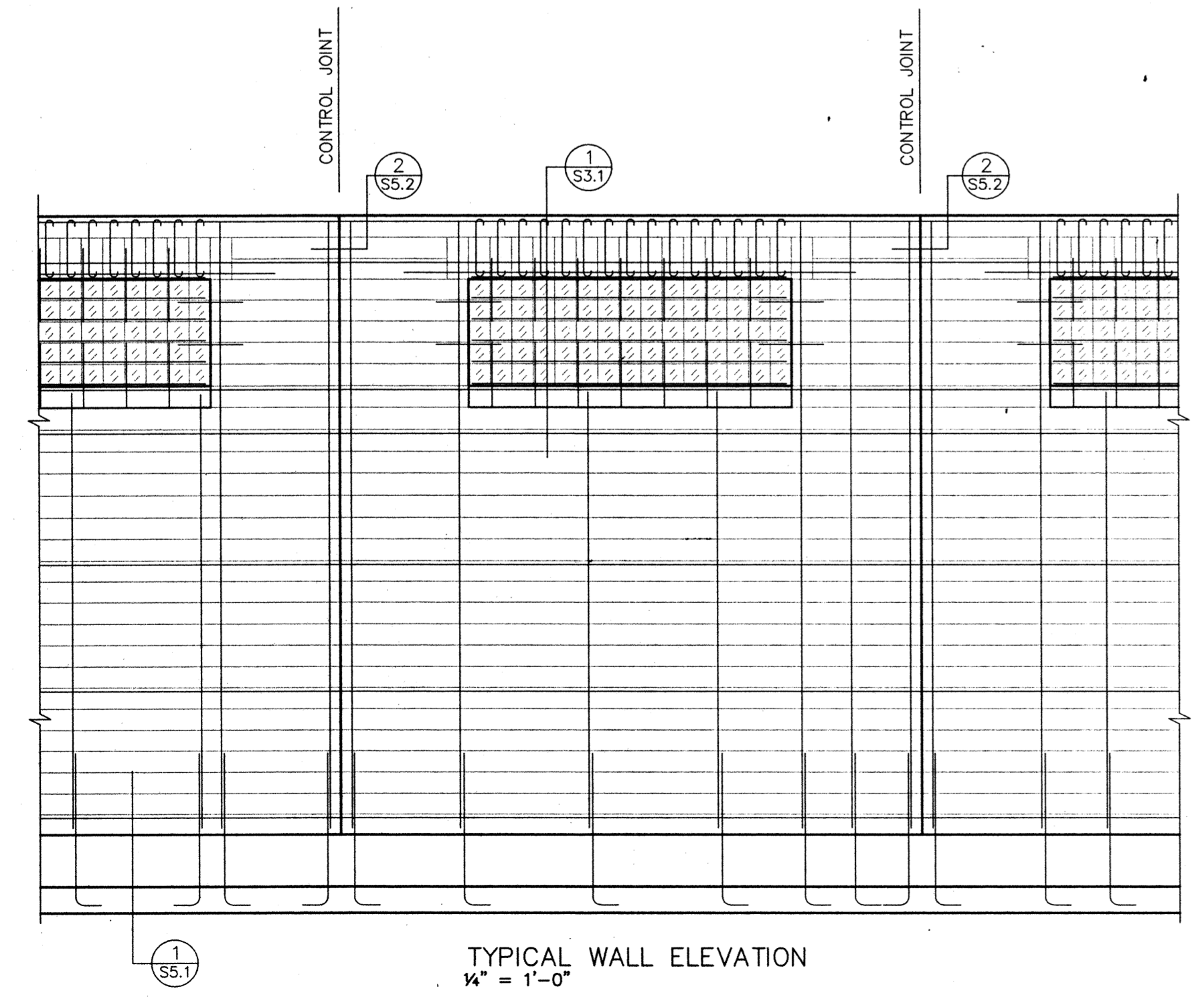
sheet  
 S3.1

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 TACOMA, WA 98404  
 (206) 364-8207 FAX (206) 364-0735

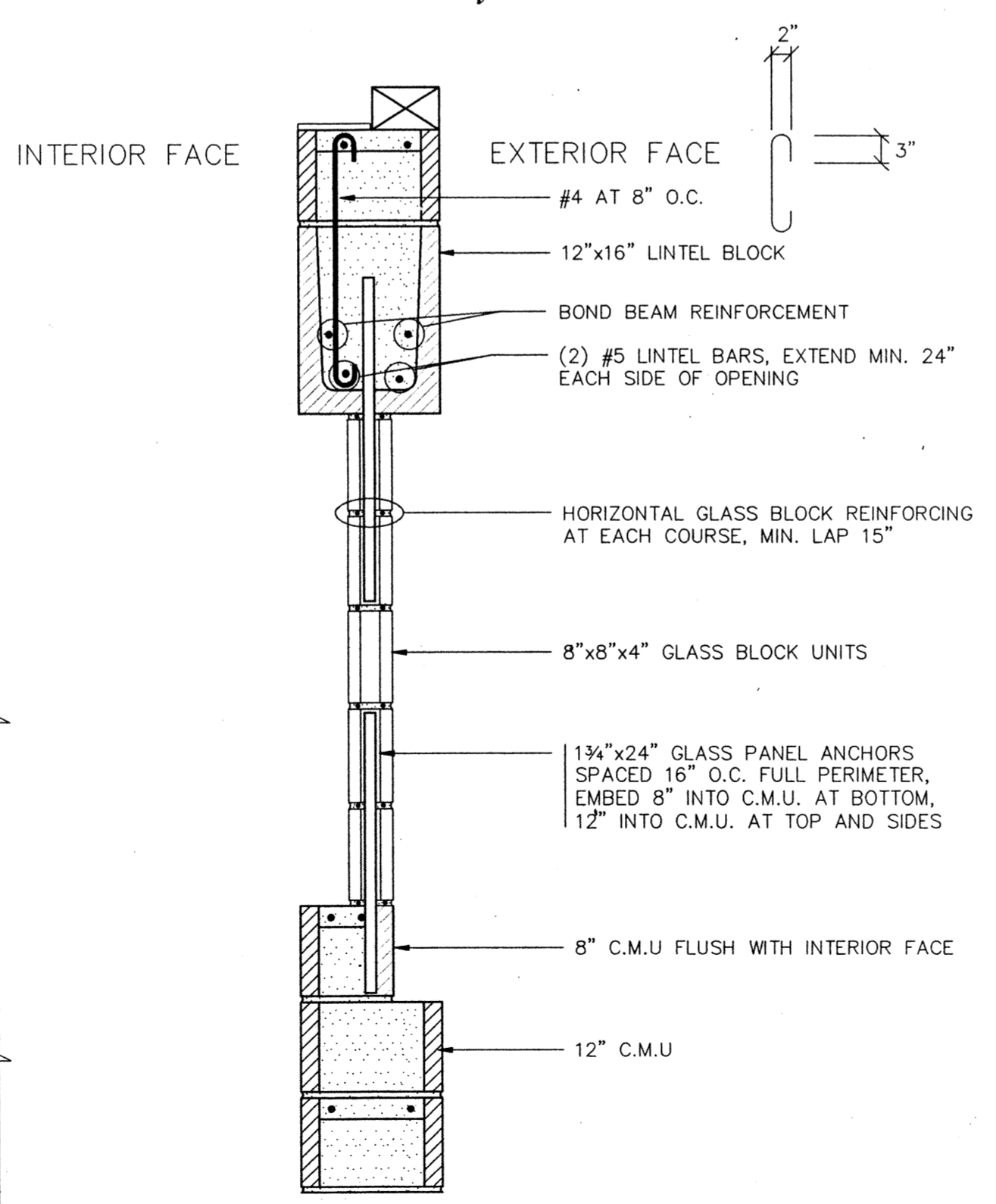


NOTE: INTERIOR CANOPY NOT SHOWN FOR CLARITY.  
 SEE ARCHITECTURAL DRAWINGS

**A** INTERIOR WALL ELEVATION  
 S3.1 1/4" = 1'-0"

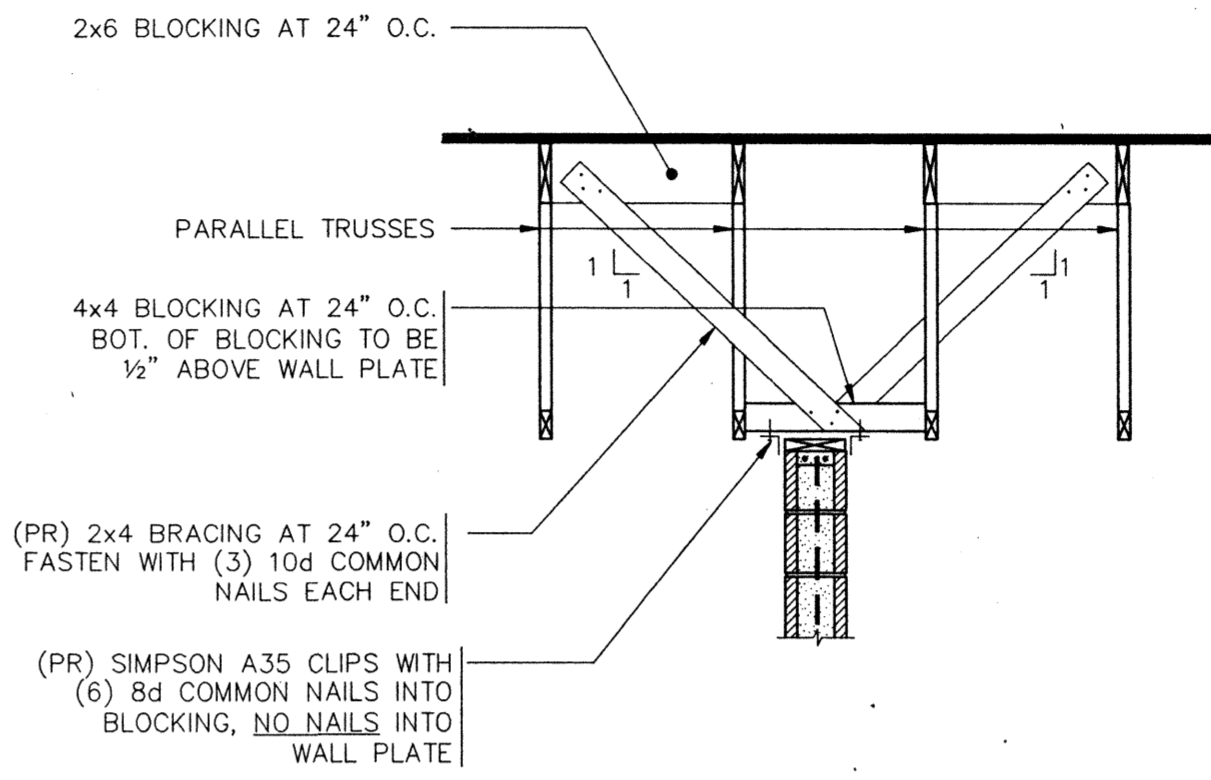
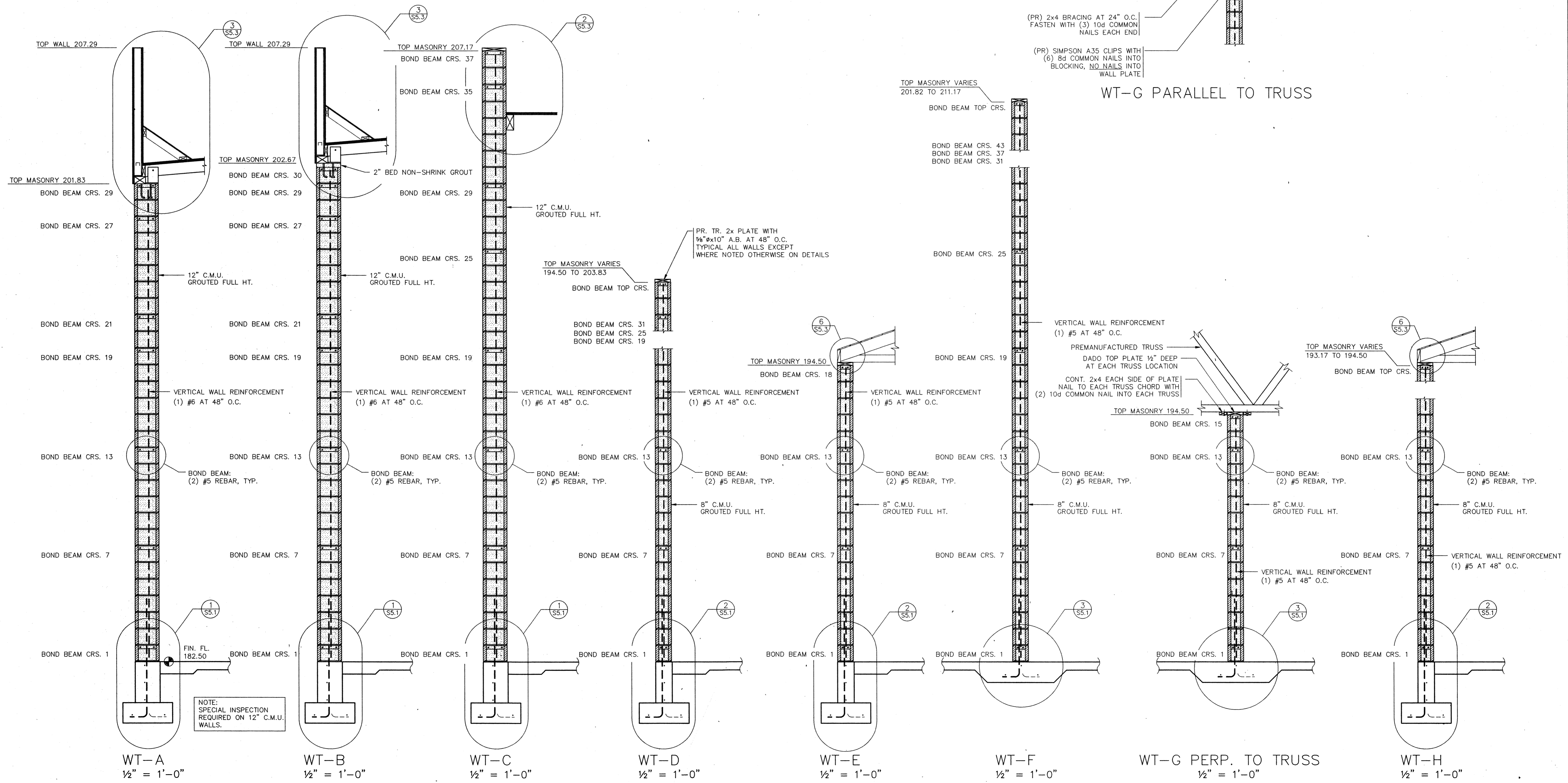


TYPICAL WALL ELEVATION  
 1/4" = 1'-0"



**1** GLASS BLOCK WINDOW  
 S3.1 1" = 1'-0"

S3.1 10/10/94



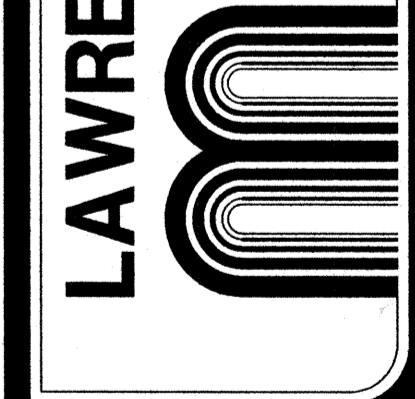
WT-G PARALLEL TO TRUSS



job no. : 93-10  
 date : 09/26/94  
 scale :  
 drawn by : BKO  
 checked by :  
 appr. by :

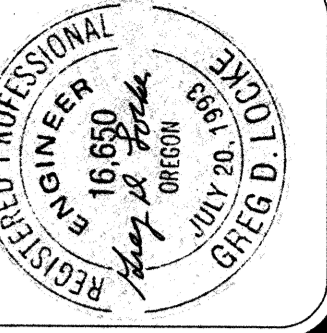
SWIMMING POOL  
 FOR THE  
 CITY OF WOODBURN  
 WOODBURN, OREGON

**LAWRENCE E. MATSON**  
 ARCHITECT, A.I.A.  
 14042 NE 8TH STREET, SUITE 101  
 BELLEVUE, WASHINGTON 98007

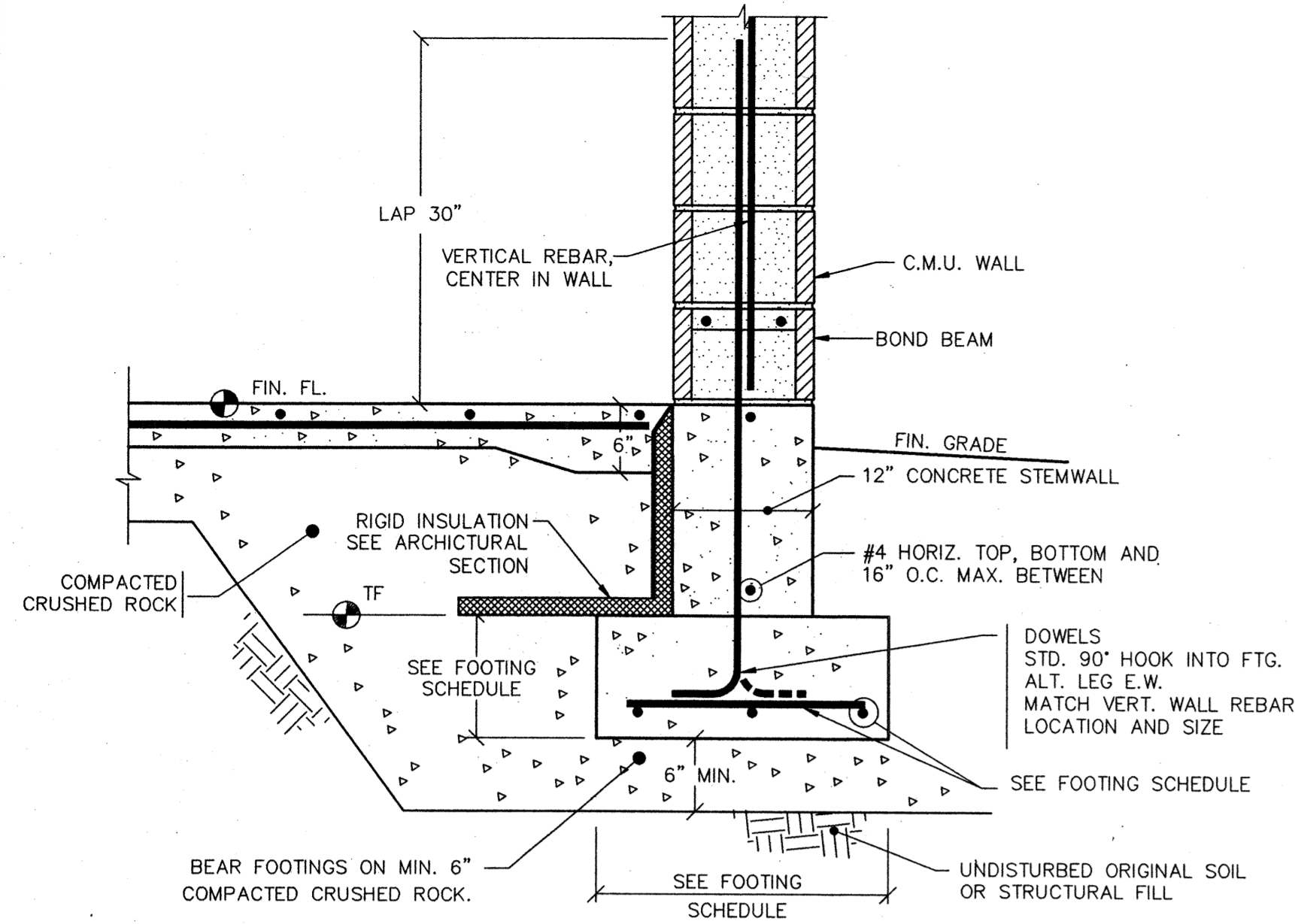


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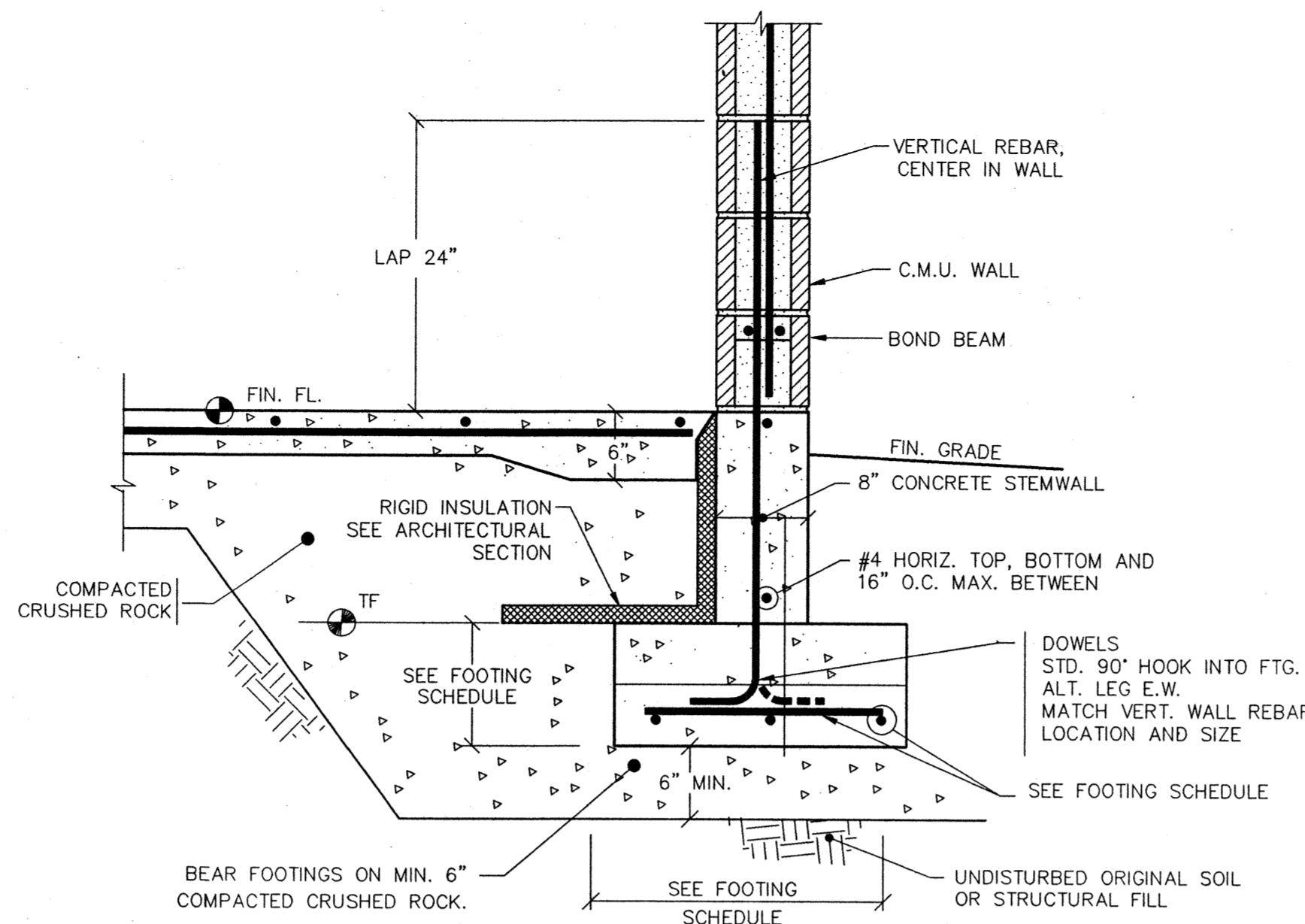
sheet  
**S3.2**



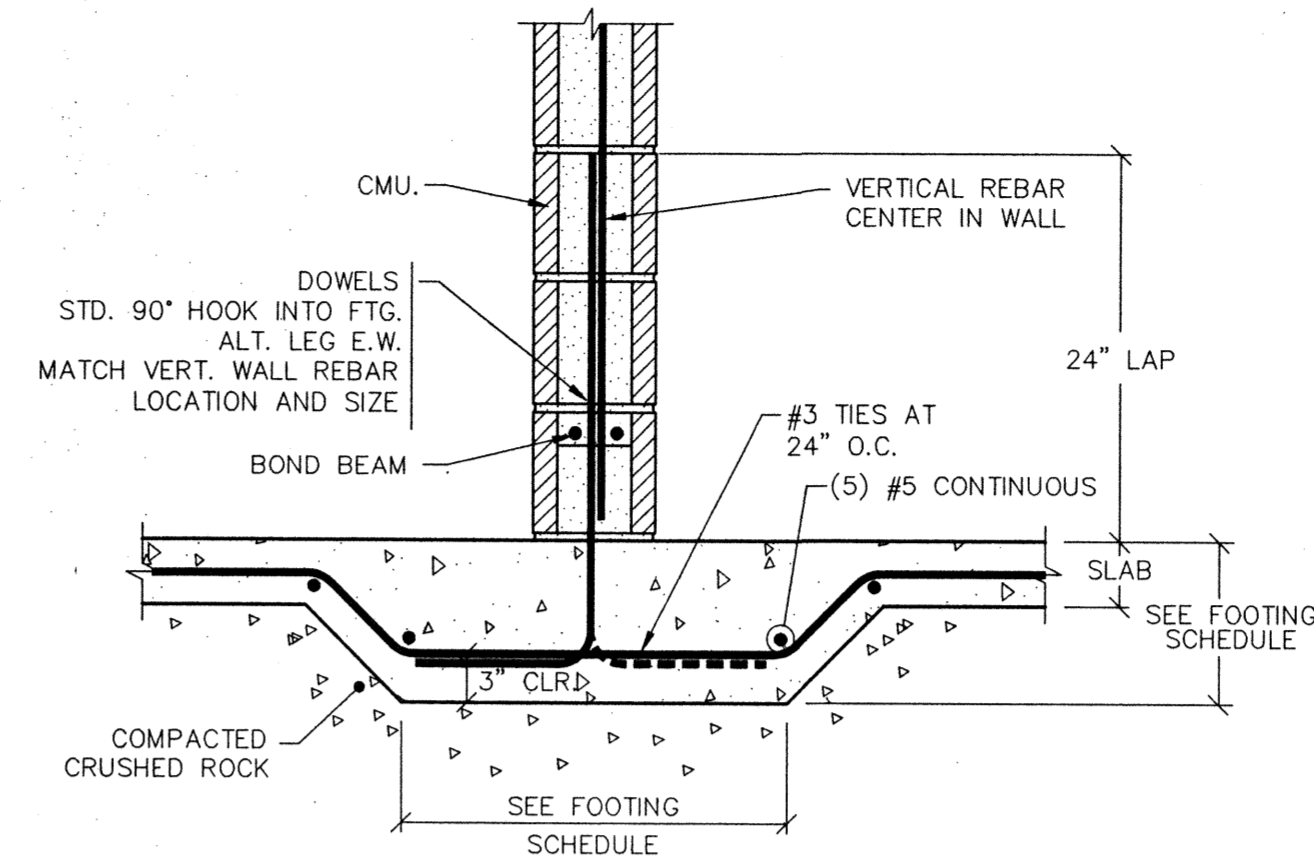
job no. : 93-10  
 date : 9/25/94  
 scale :  
 drawn by : BKO  
 checked by :  
 appr. by :



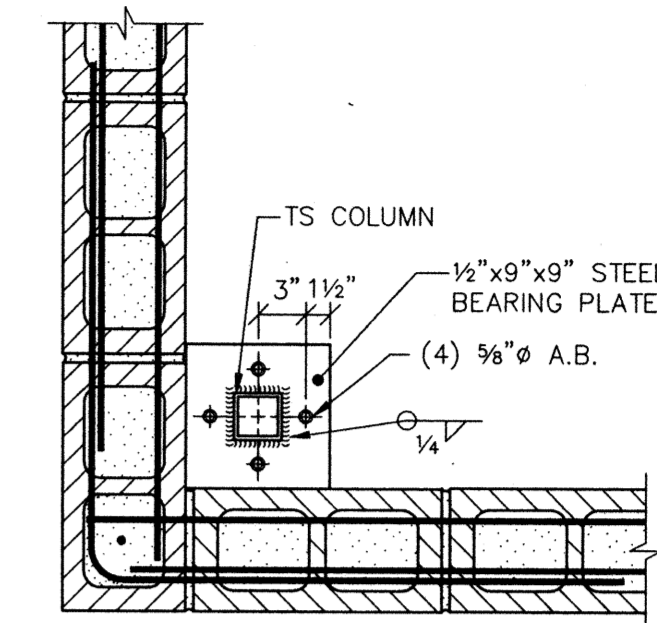
1 TYP. 12" C.M.U. FOOTING  
 S5.1 1" = 1'-0"



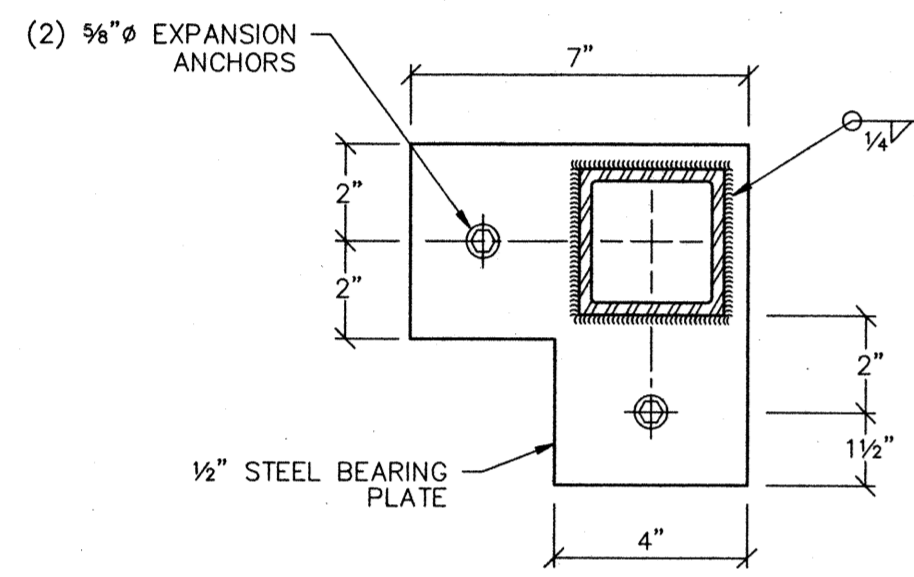
2 TYP. 8" C.M.U. FOOTING  
 S5.1 1" = 1'-0"



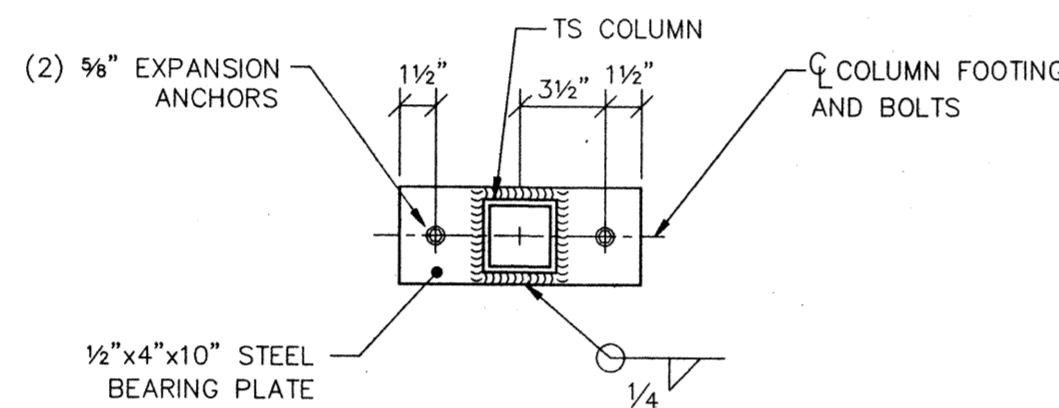
3 THICKENED SLAB  
 S5.1 1" = 1'-0"



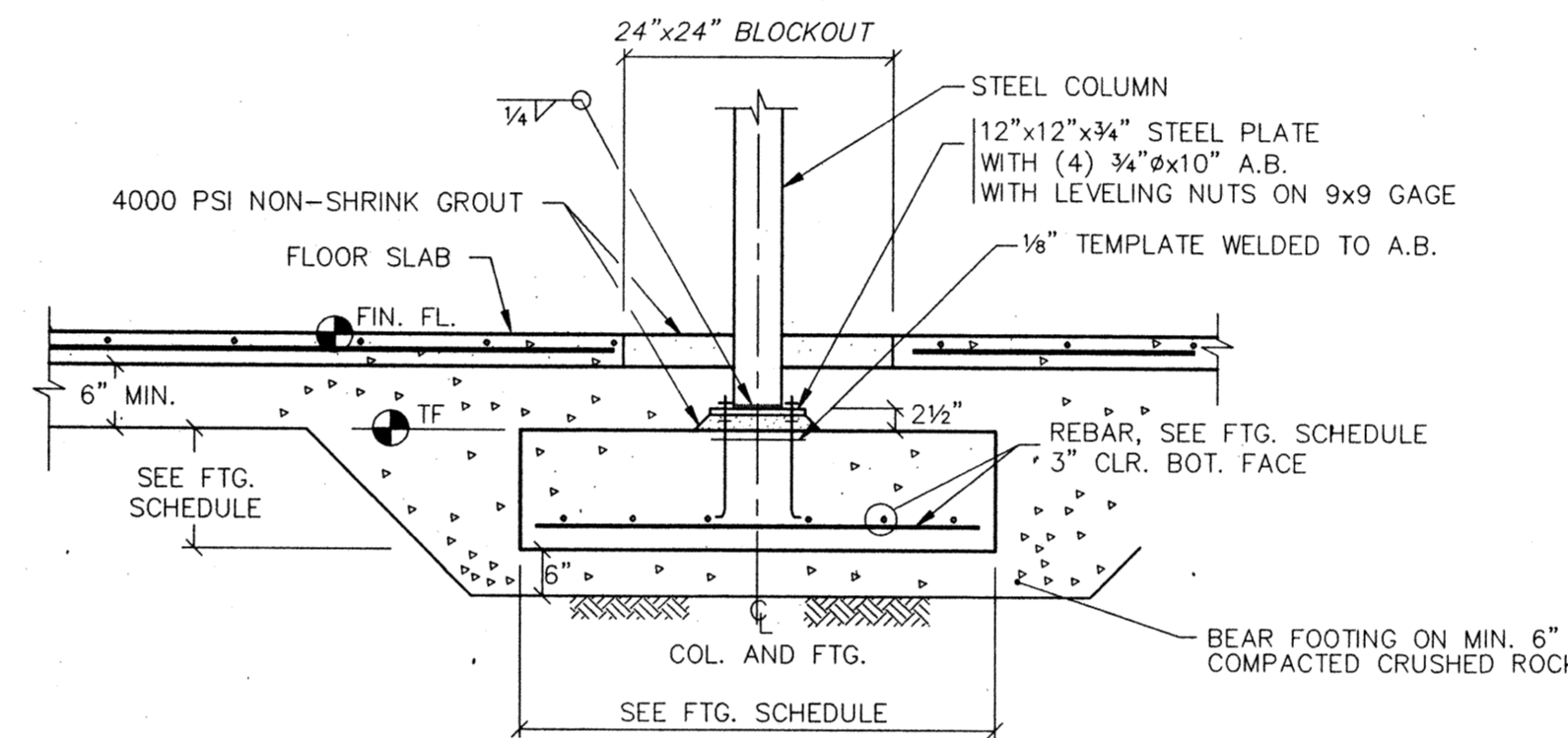
4 CORNER COLUMN BASE AT MECH./STORAGE  
 S5.1 1" = 1'-0"



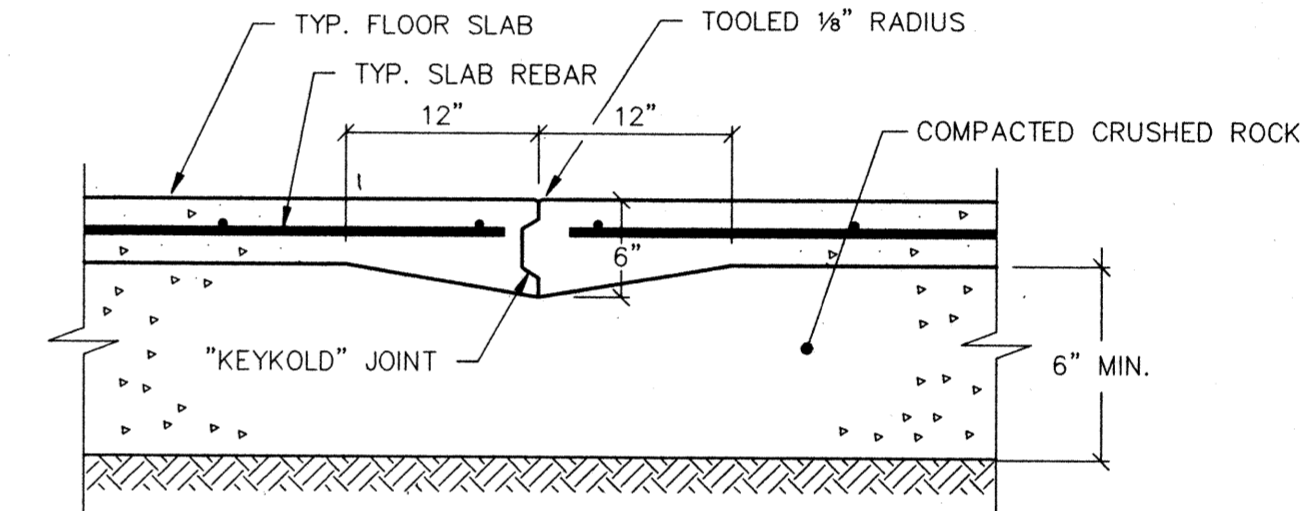
5 CORNER COLUMN BASE PLATE  
 S5.1 1" = 1'-0"



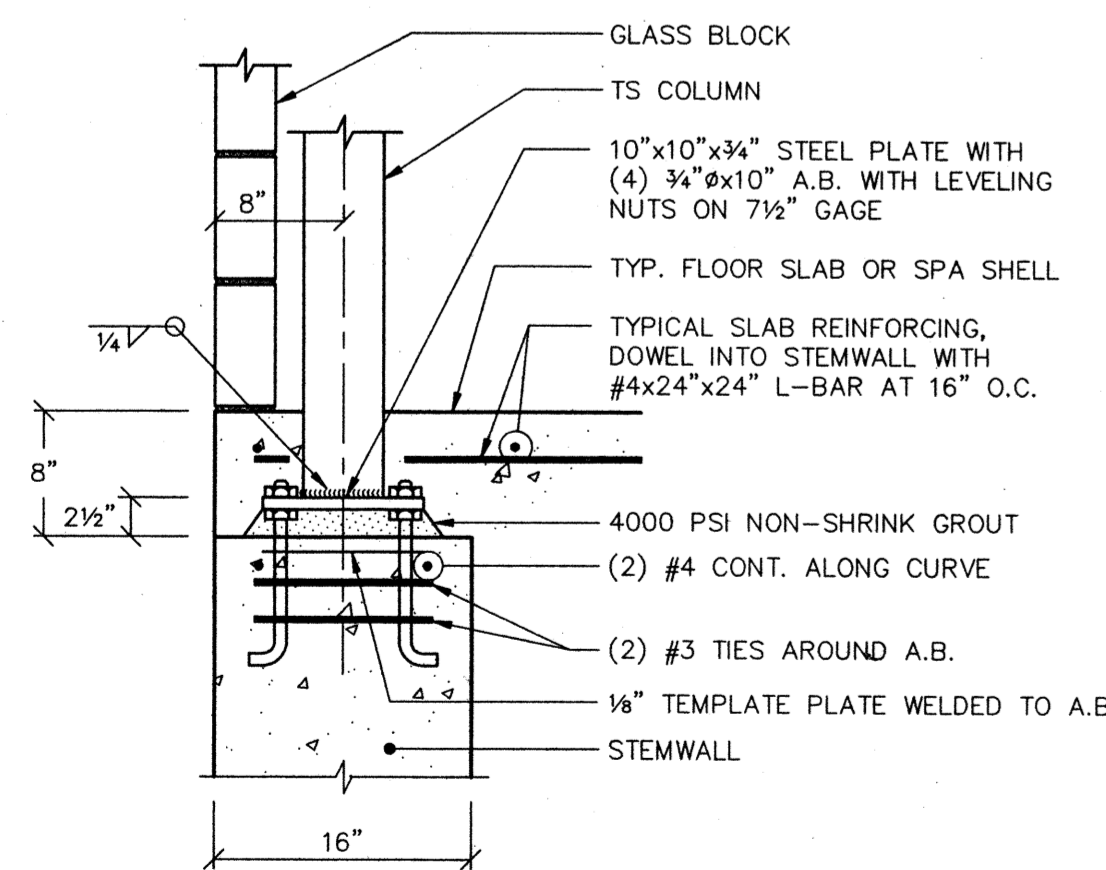
6 COLUMN BASE  
 S5.1 1" = 1'-0"



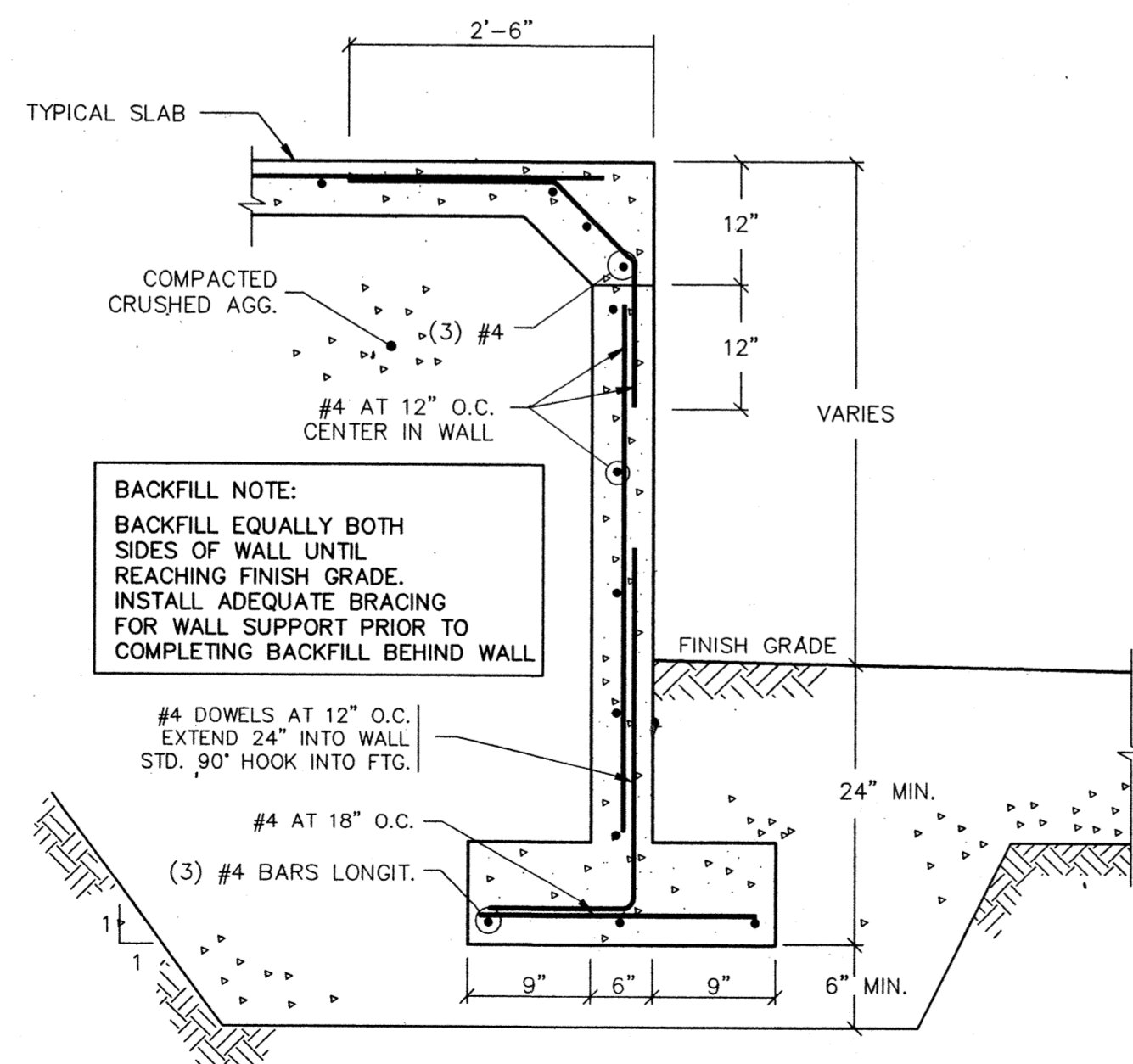
7 TYP. INTERIOR COLUMN  
 S5.1 1/2" = 1'-0"



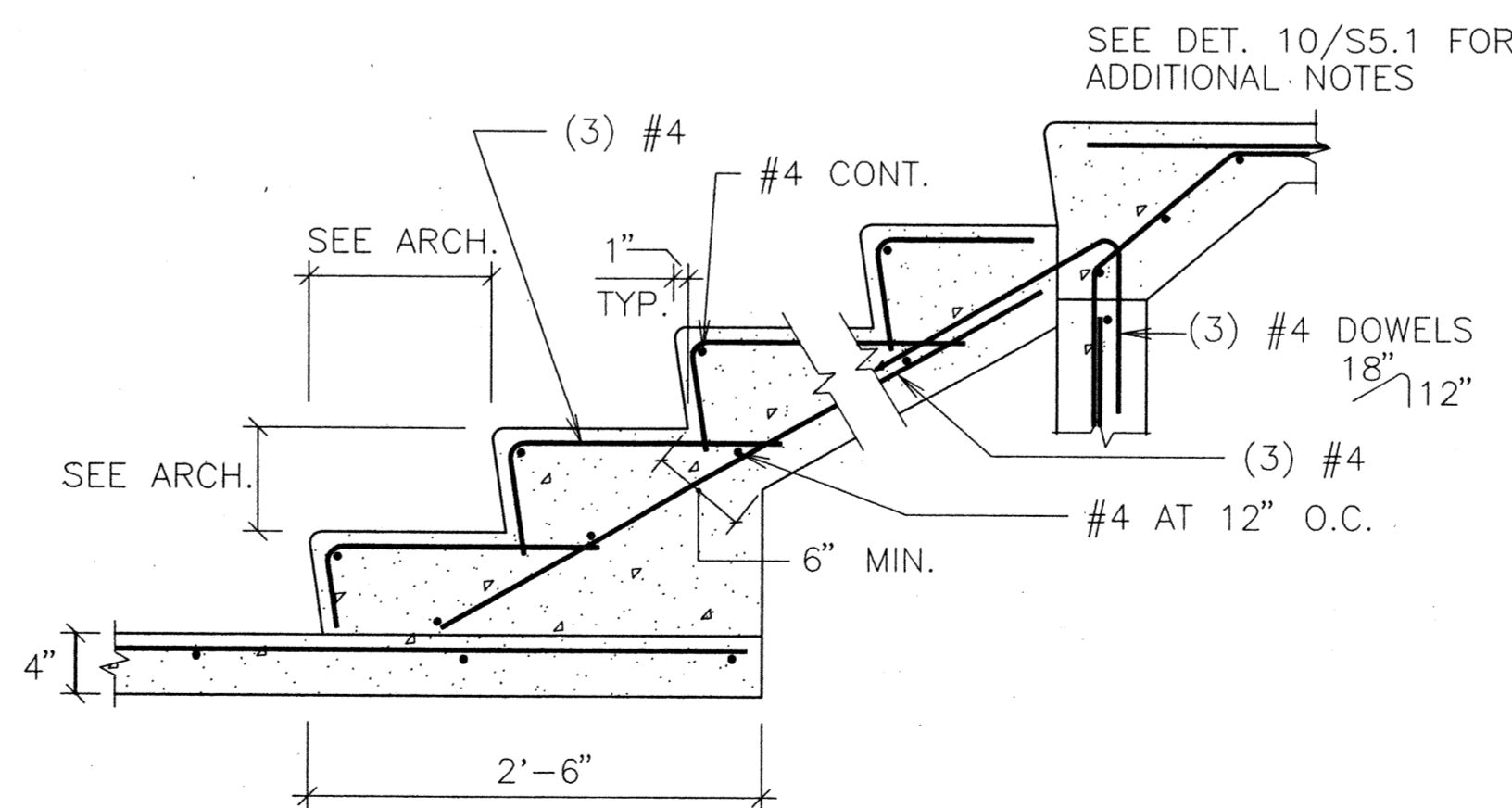
8 TYP. CONSTRUCTION JOINT  
 S5.1 1" = 1'-0"



9 COL. BASE AT GLASS WALL  
 S5.1 1" = 1'-0"



10 PORCH STEMWALL FOOTING  
 S5.1 3/4" = 1'-0"

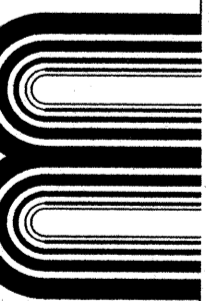


11 ENTRY STAIRWAY  
 S5.1 3/4" = 1'-0"

SWIMMING POOL  
 FOR THE  
 CITY OF WOODBURN  
 WOODBURN, OREGON

FOUNDATION DETAILS

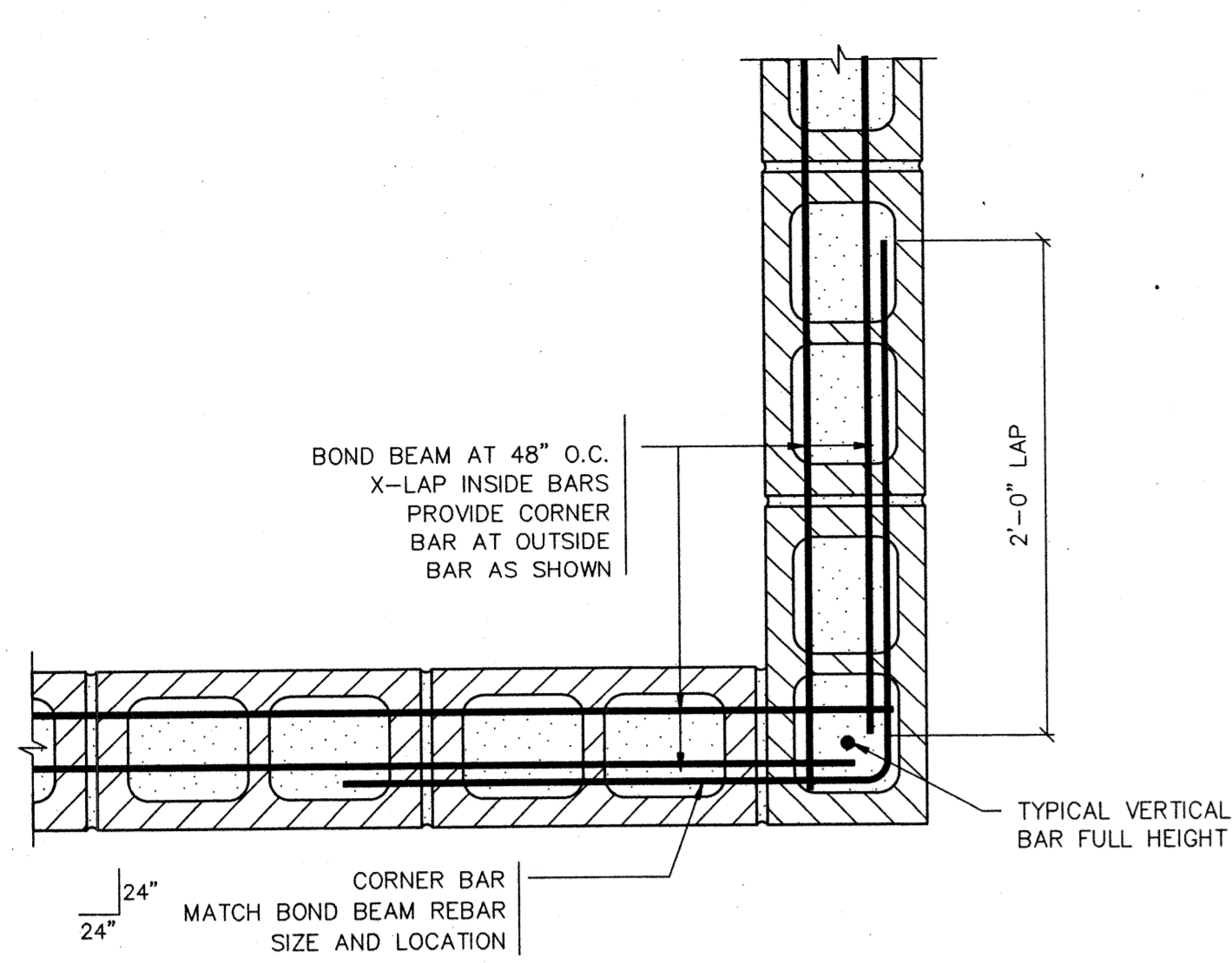
LAWRENCE E. MATSON  
 ARCHITECT, A.I.A.  
 14024 NE 8TH STREET SUITE 101  
 BELLEVUE, WASHINGTON 98007



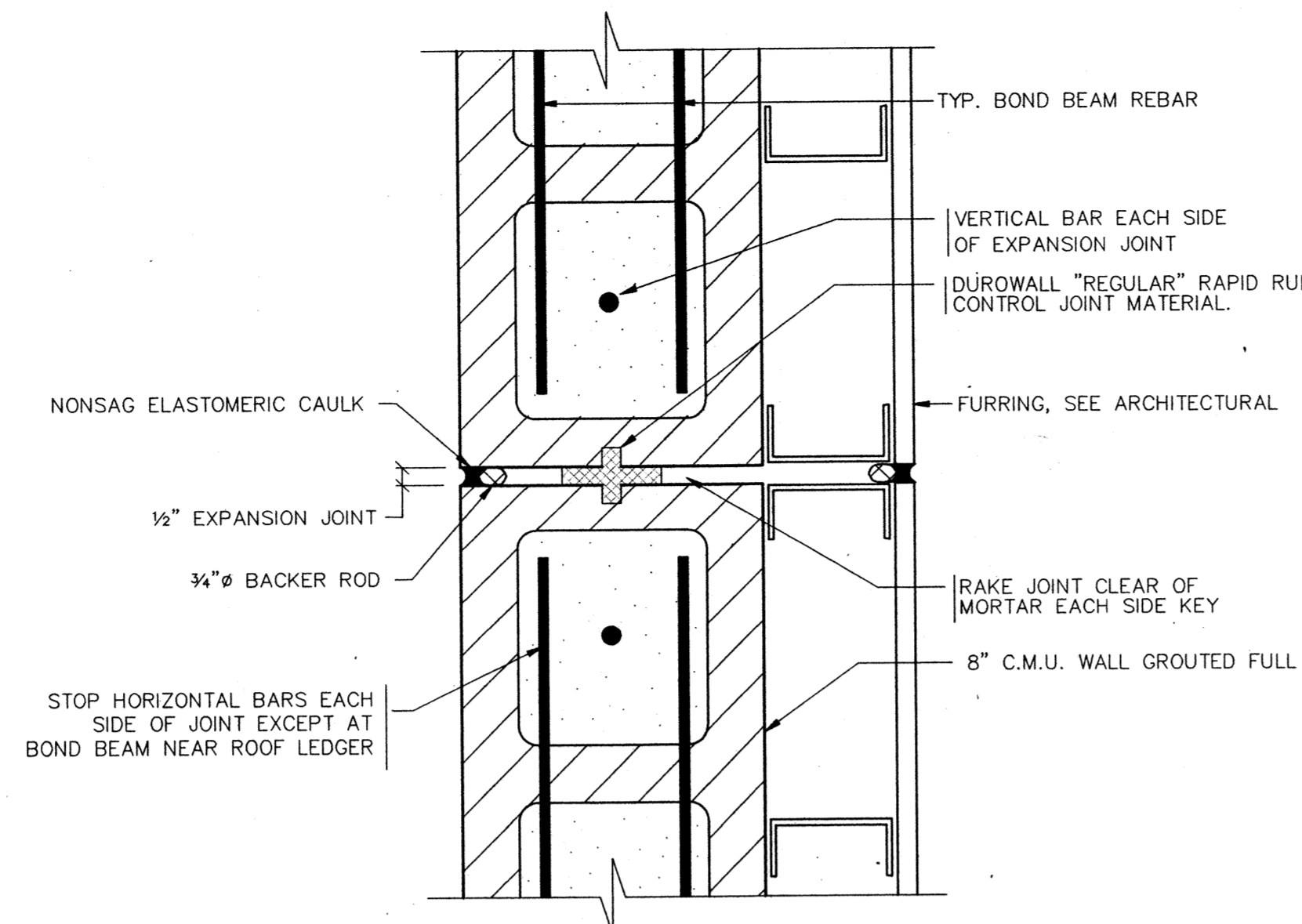
sheet  
 S5.1



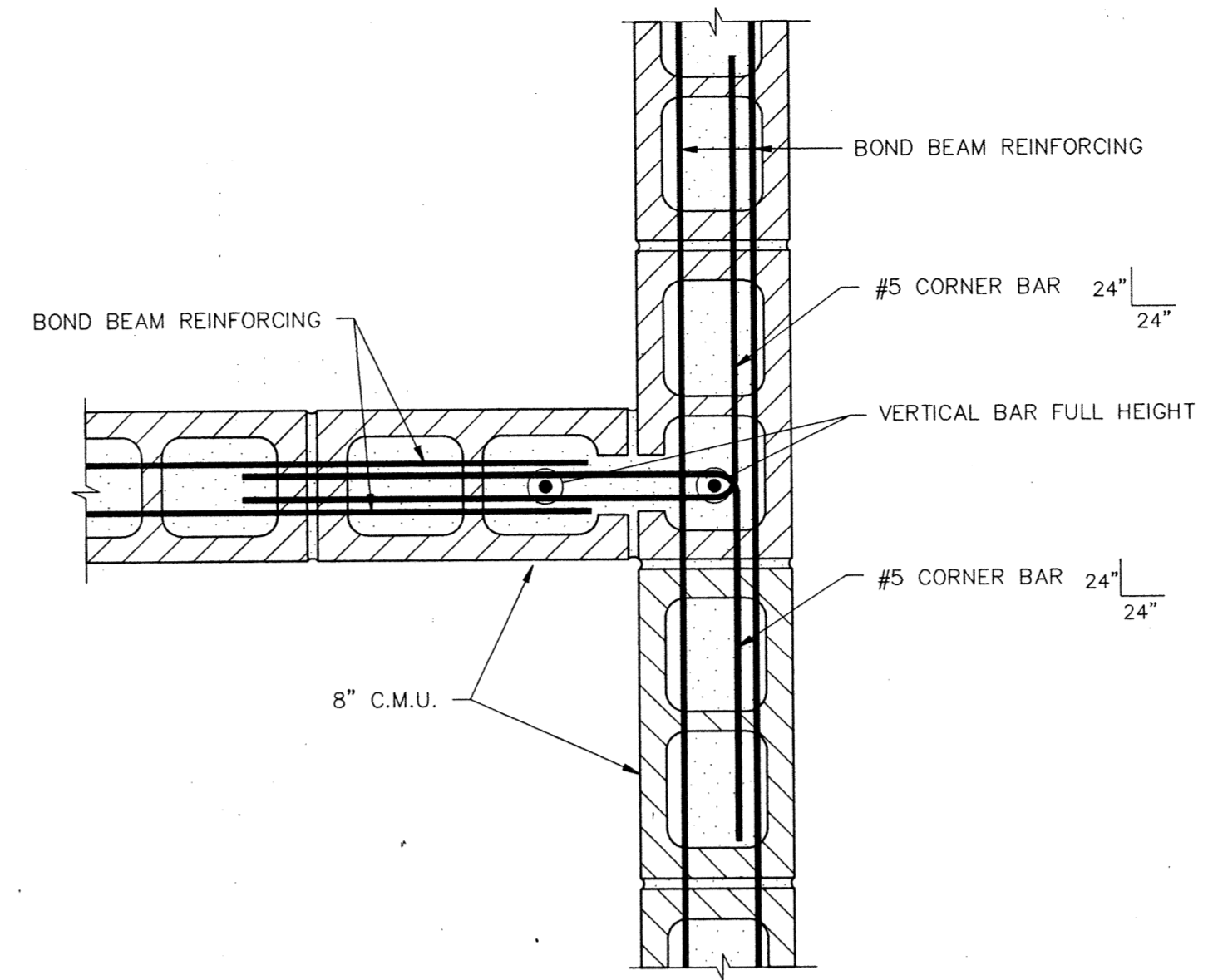
PREPARED BY:  
 CHARLES L. YOUNGMAN INC.  
 STRUCTURAL CIVIL ENGINEERS  
 1575 LIBERTY ST. S.E. SALEM, OR 97302  
 (503) 384-8201 FAX (503) 384-0725



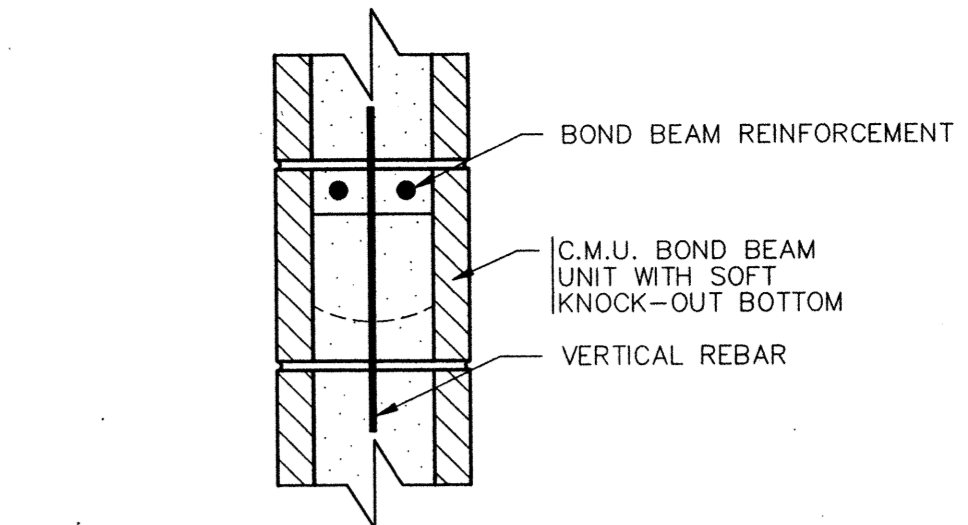
1 BOND BEAM AT CORNER  
S5.2  
1 1/2" = 1'-0"



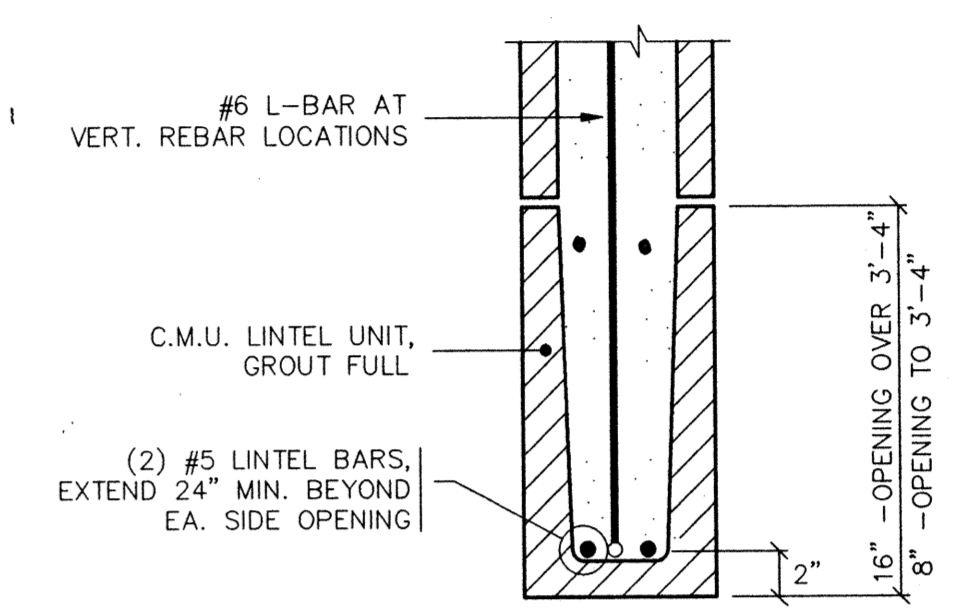
2 TYPICAL CONTROL JOINT  
S5.2  
3" = 1'-0"



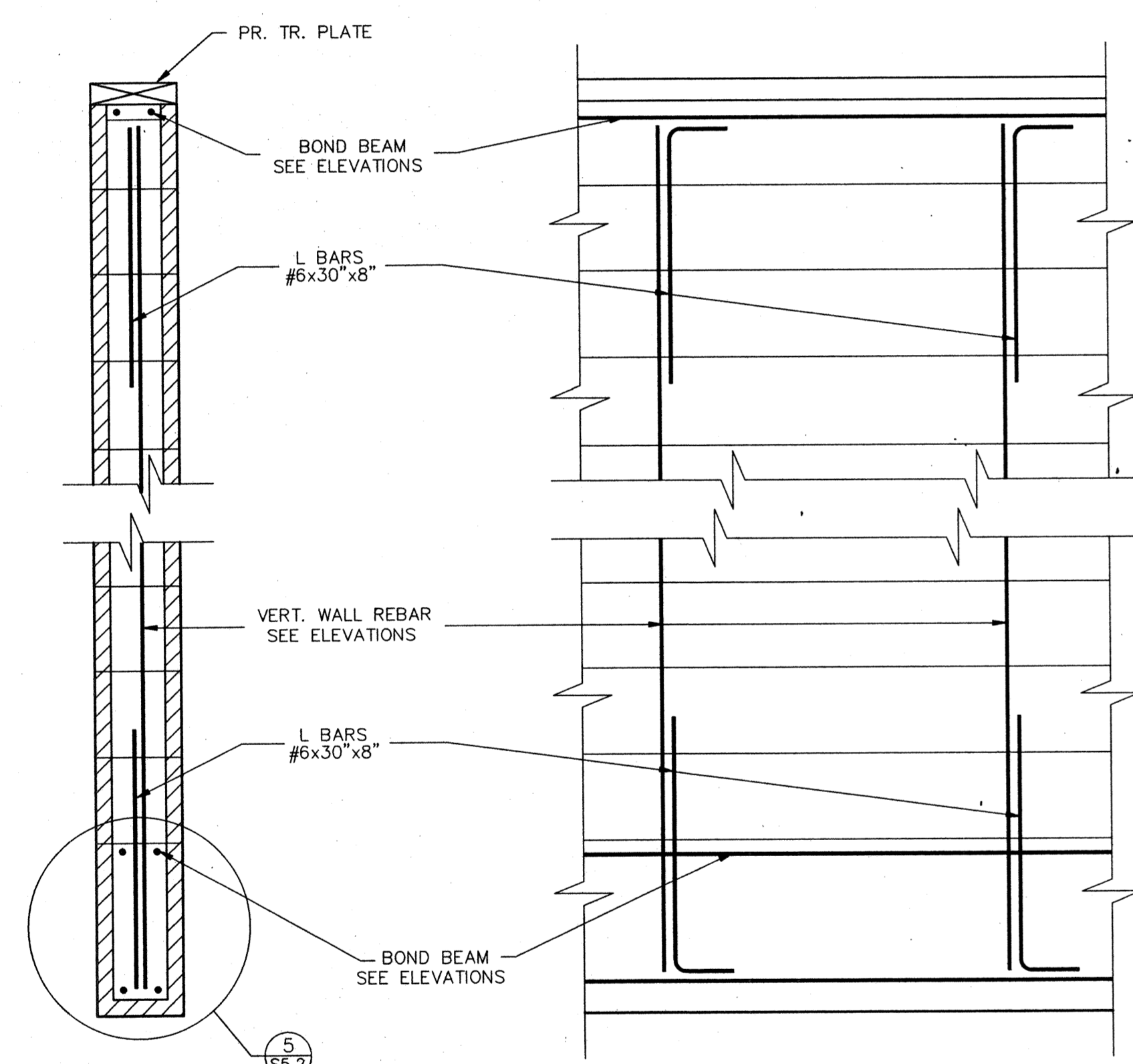
3 BOND BEAM AT INTERSECTING WALL  
S5.2  
1 1/2" = 1'-0"



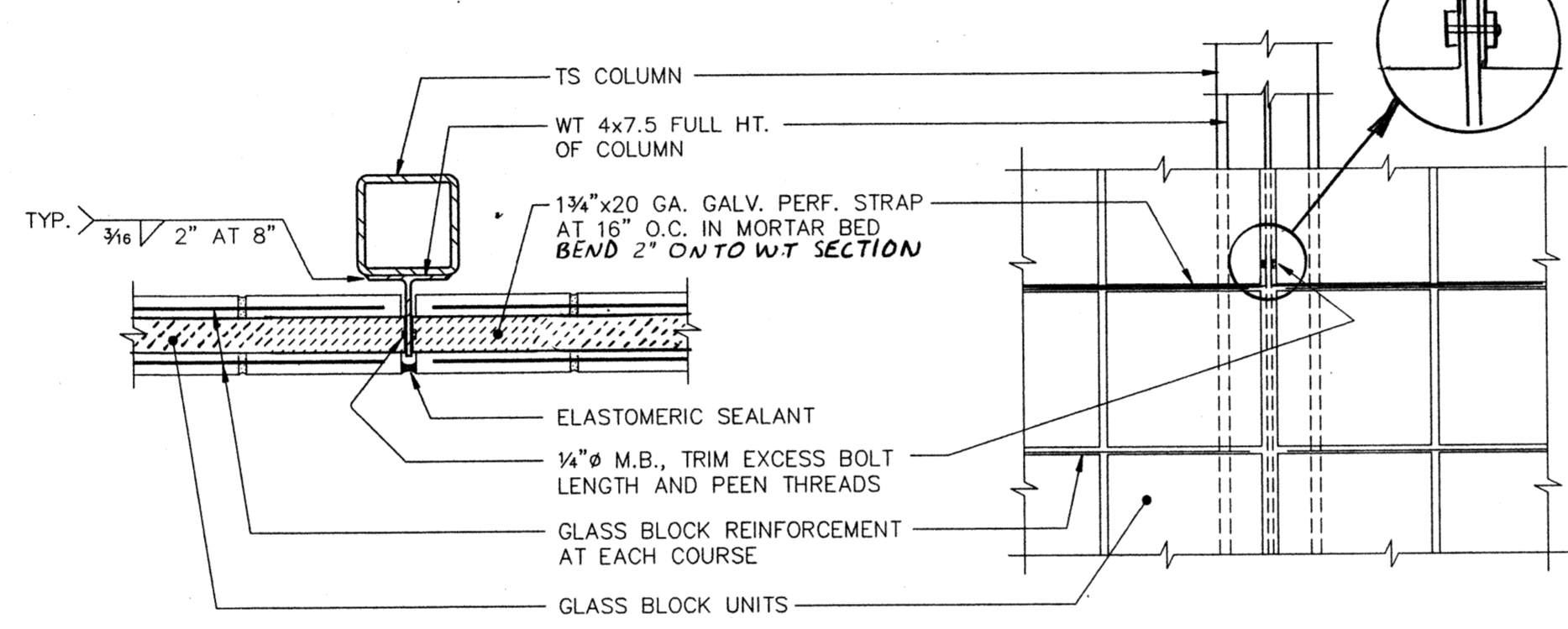
4 TYPICAL BOND BEAM  
S5.2  
1 1/2" = 1'-0"



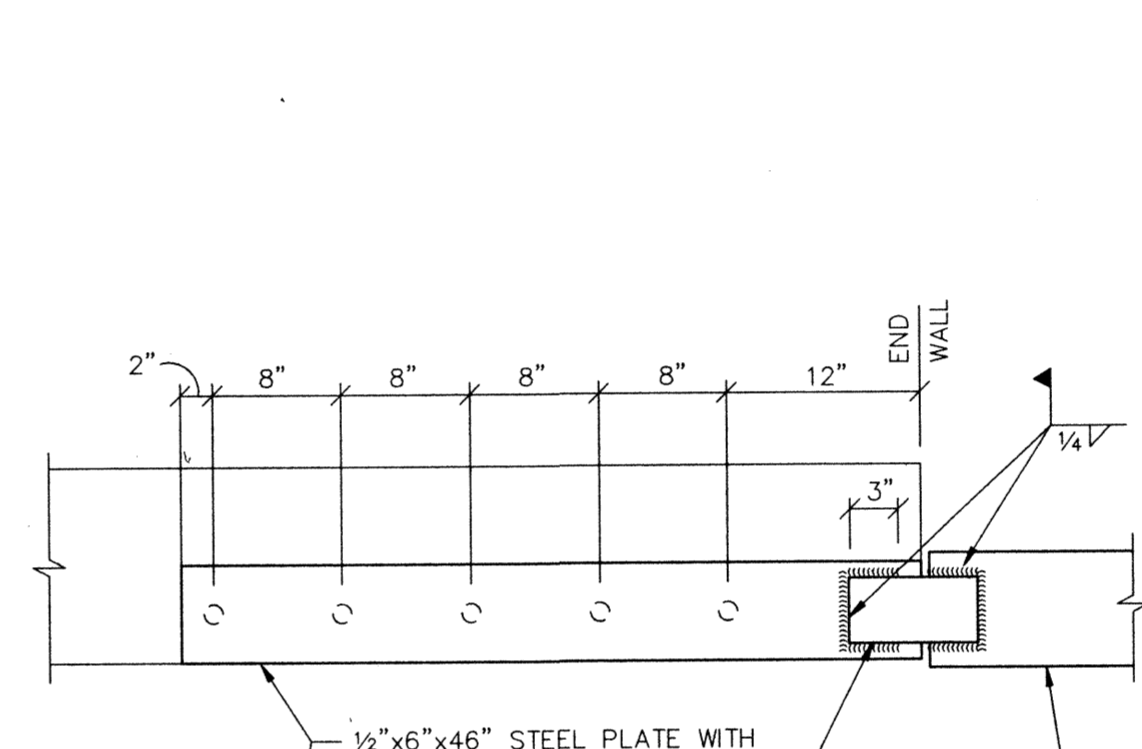
5 TYPICAL LINTEL  
S5.2  
1 1/2" = 1'-0"



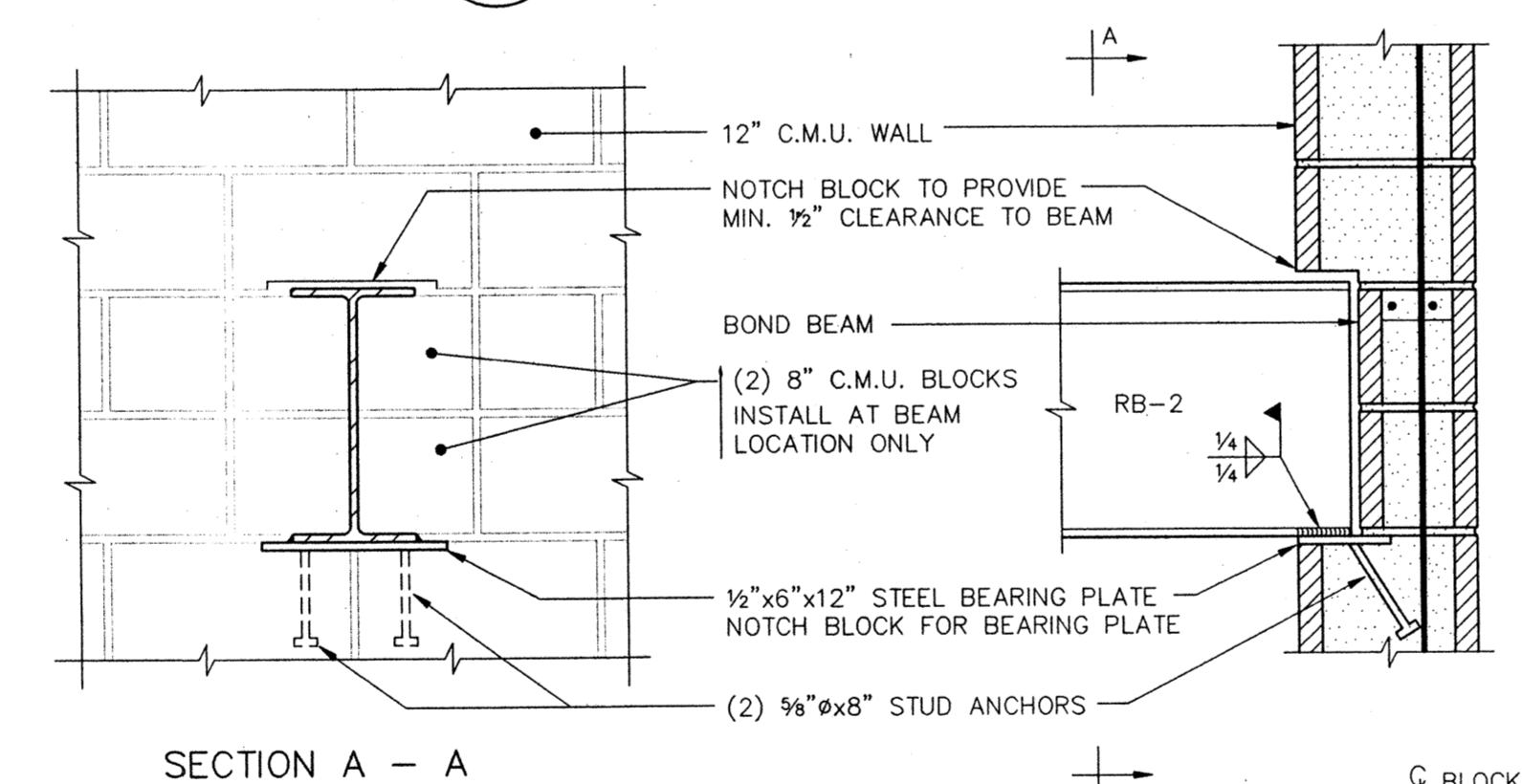
6 WIDE OPENING LINTEL  
S5.2  
1" = 1'-0"



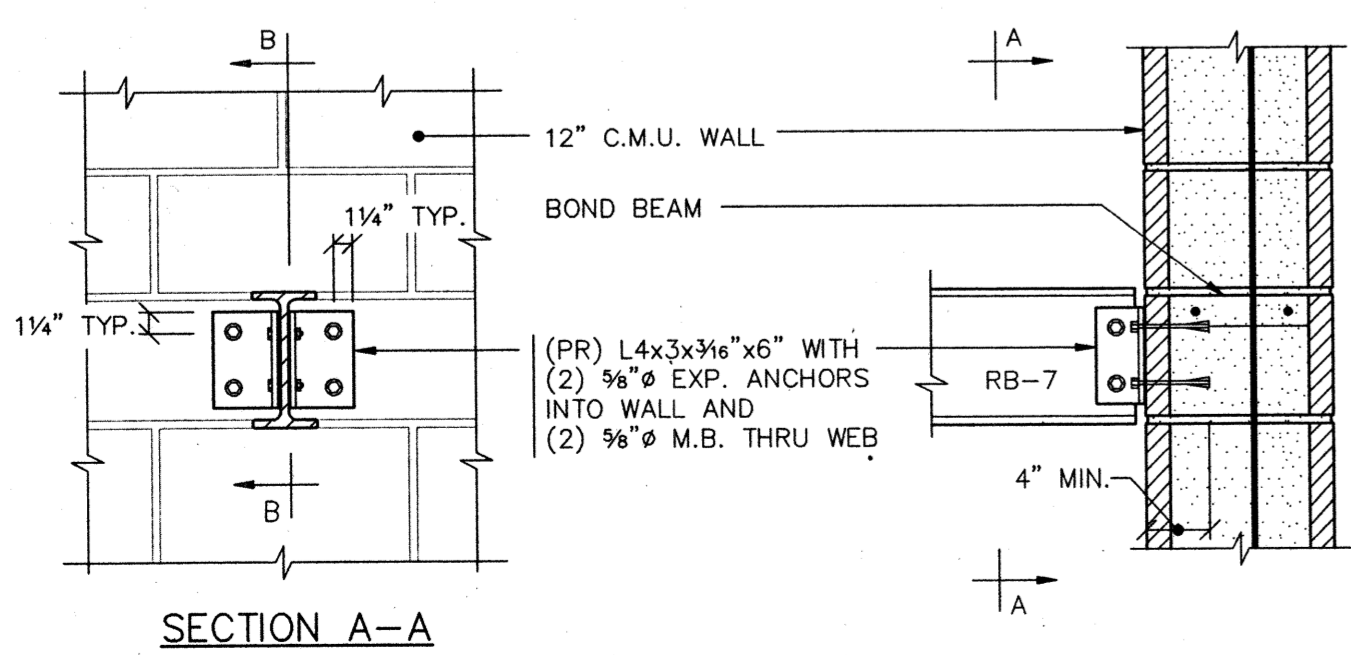
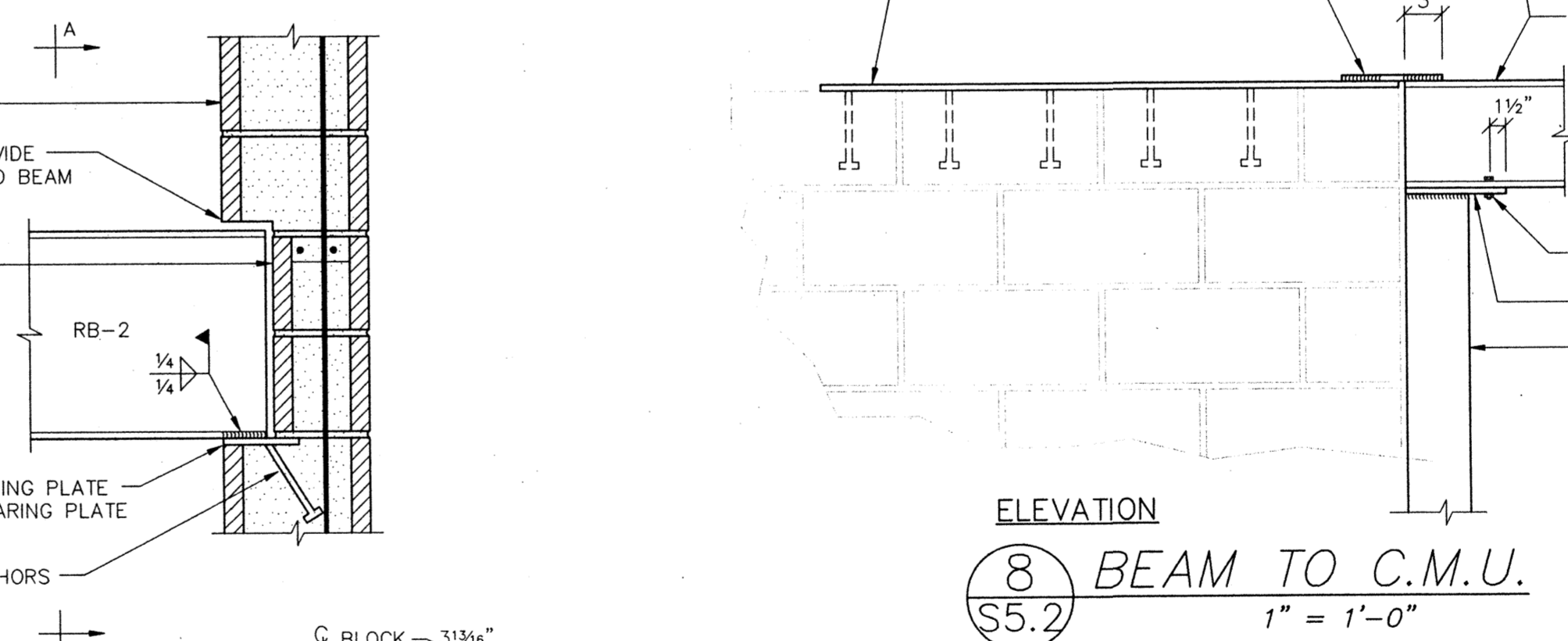
7 GLASS BLOCK - COLUMN  
S5.2  
1 1/2" = 1'-0"



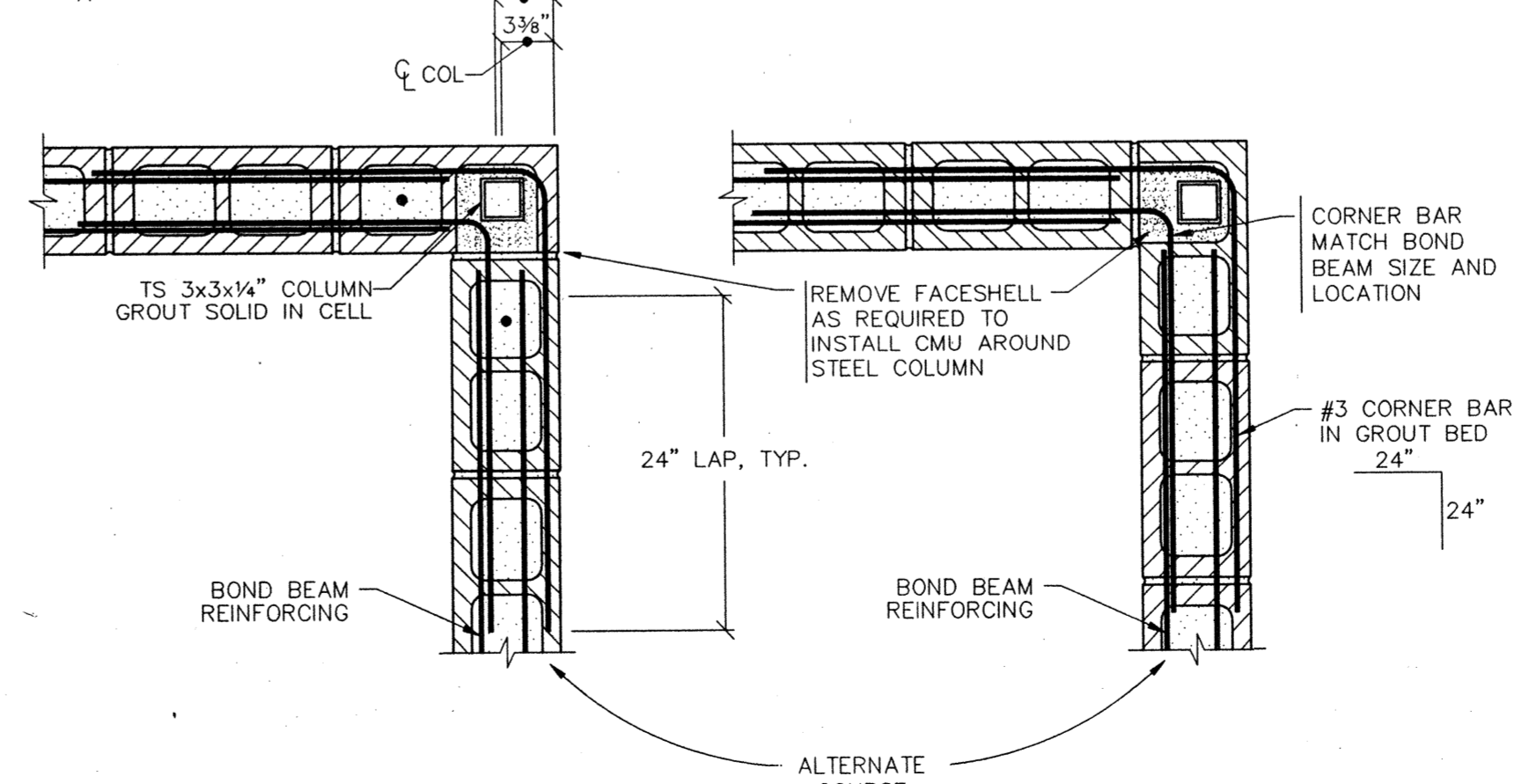
8 BEAM TO C.M.U.  
S5.2  
1" = 1'-0"



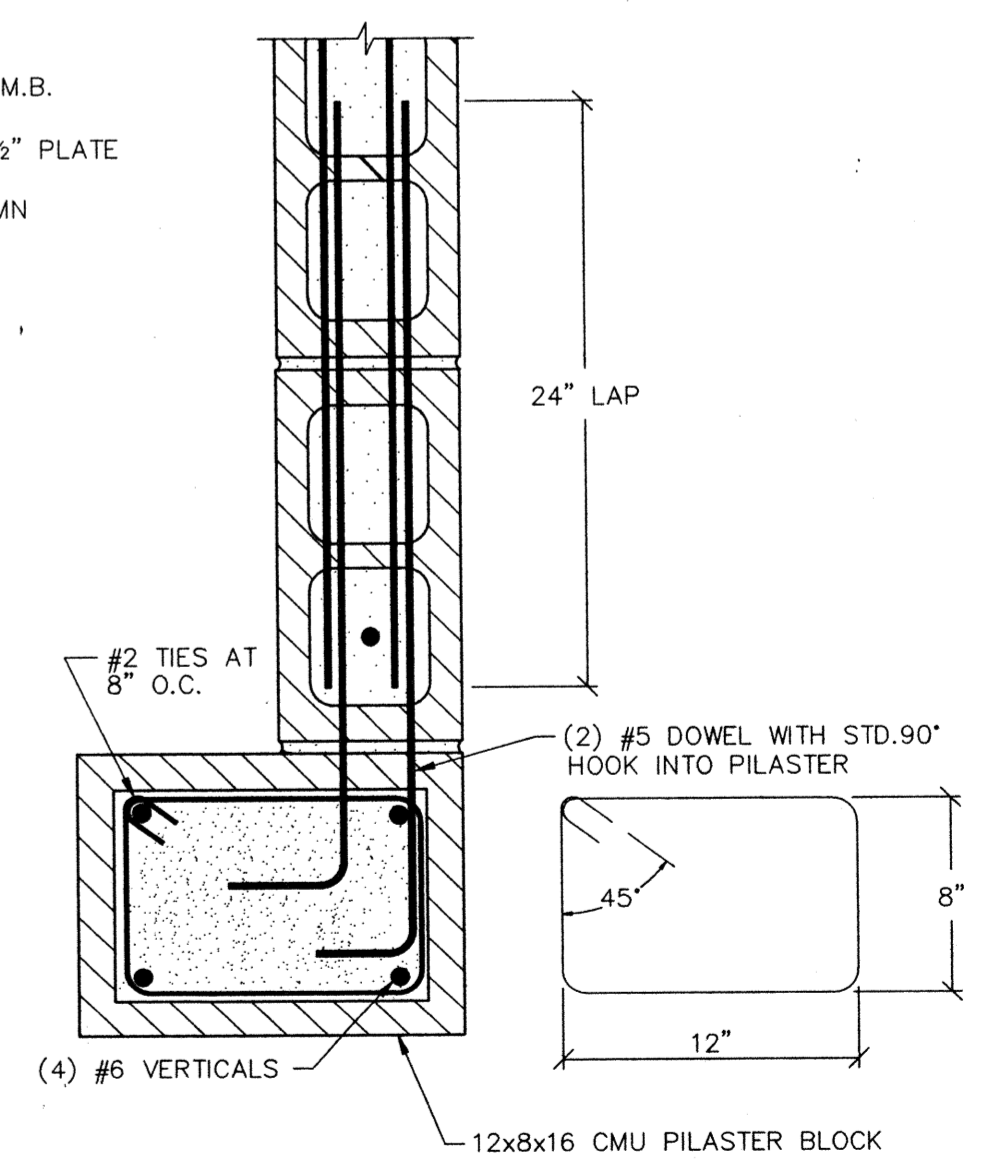
9 BEAM POCKET  
S5.2  
1" = 1'-0"



10 BEAM TO C.M.U.  
S5.2  
1" = 1'-0"



11 IN-WALL COLUMN (ALTERNATE NO.1)  
S5.2  
1" = 1'-0"



12 PILASTER  
S5.2  
1 1/2" = 1'-0"



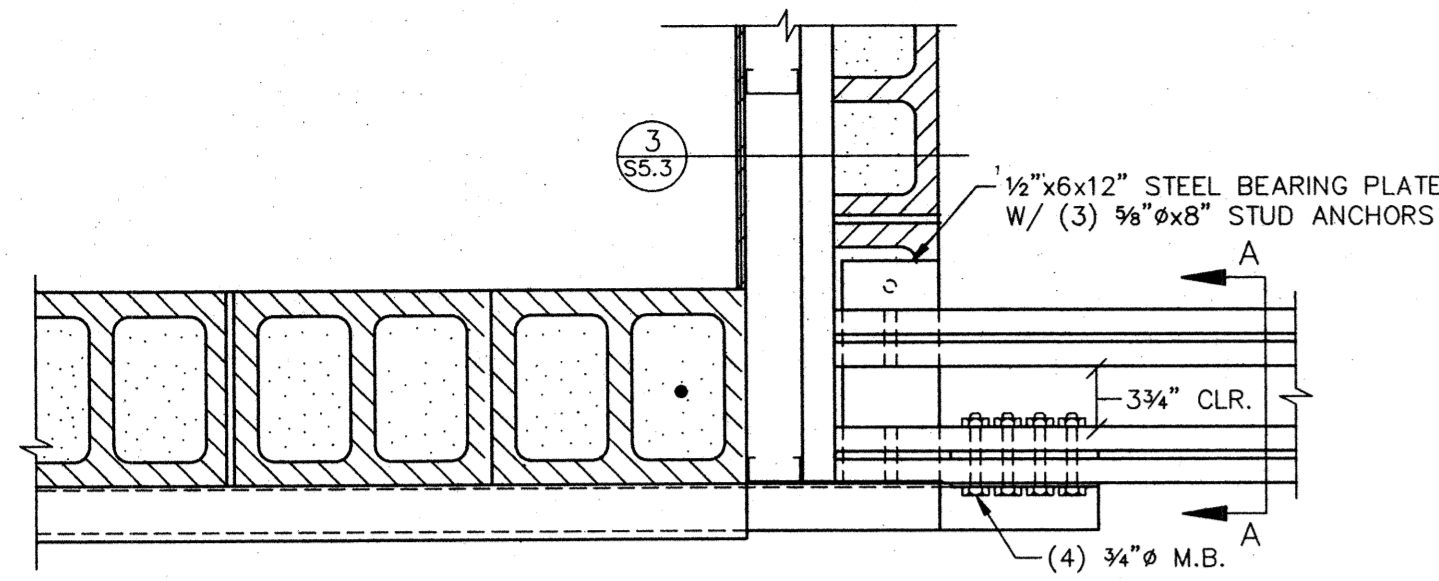
Job no. : 93-10  
date : 9/26/94  
scale :  
drawn by : BKO  
checked by :  
app. by :

SWIMMING POOL FOR THE CITY OF WOODBURN, OREGON  
MASONRY WALL DETAILS

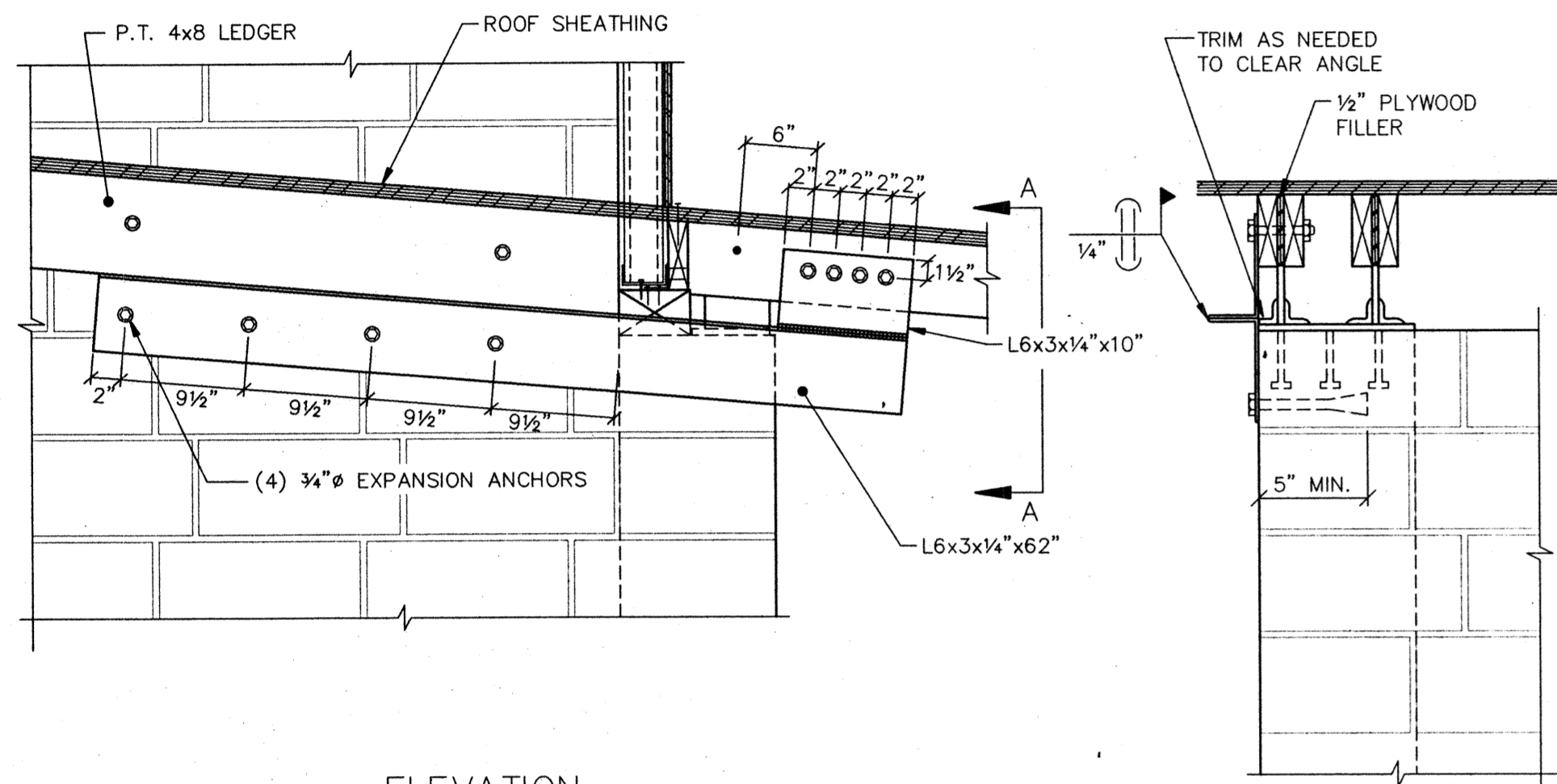
LAWRENCE E. MATSON ARCHITECT A.I.A.  
1002 NE BELLEVUE, SUITE 101  
BELLEVUE, WASHINGTON 98007  
PHONE (206) 746-9049 FAX (206) 746-9586

sheet S5.2 OF

PREPARED BY: YOUNGMAN INC. CHARLES L. YOUNGMAN INC. STRUCTURAL, CIVIL ENGINEERS 1375 LIBERTY ST. S.E., SALEM, OR 97302 (503) 364-8207 FAX (503) 364-0735

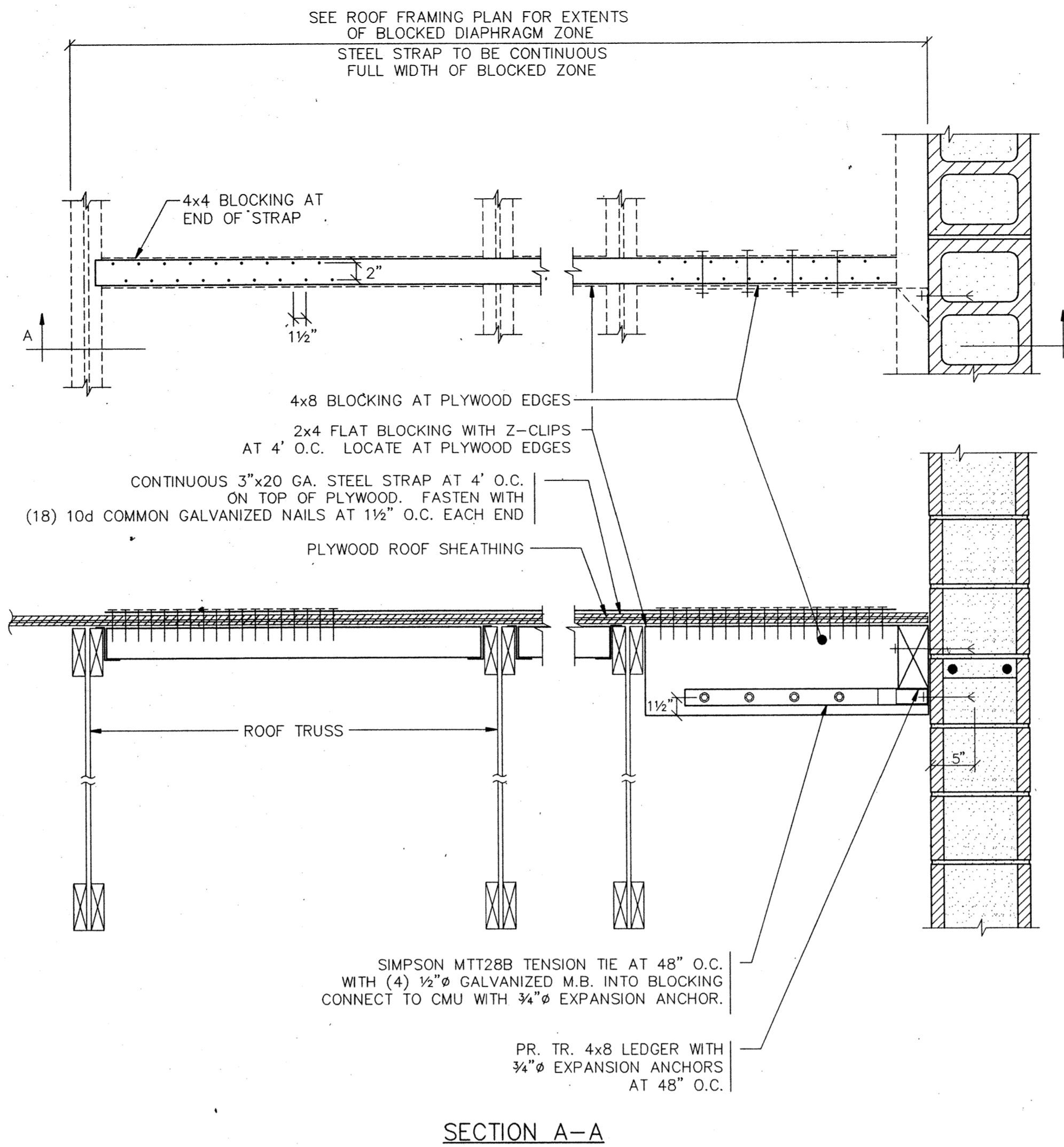


PLAN



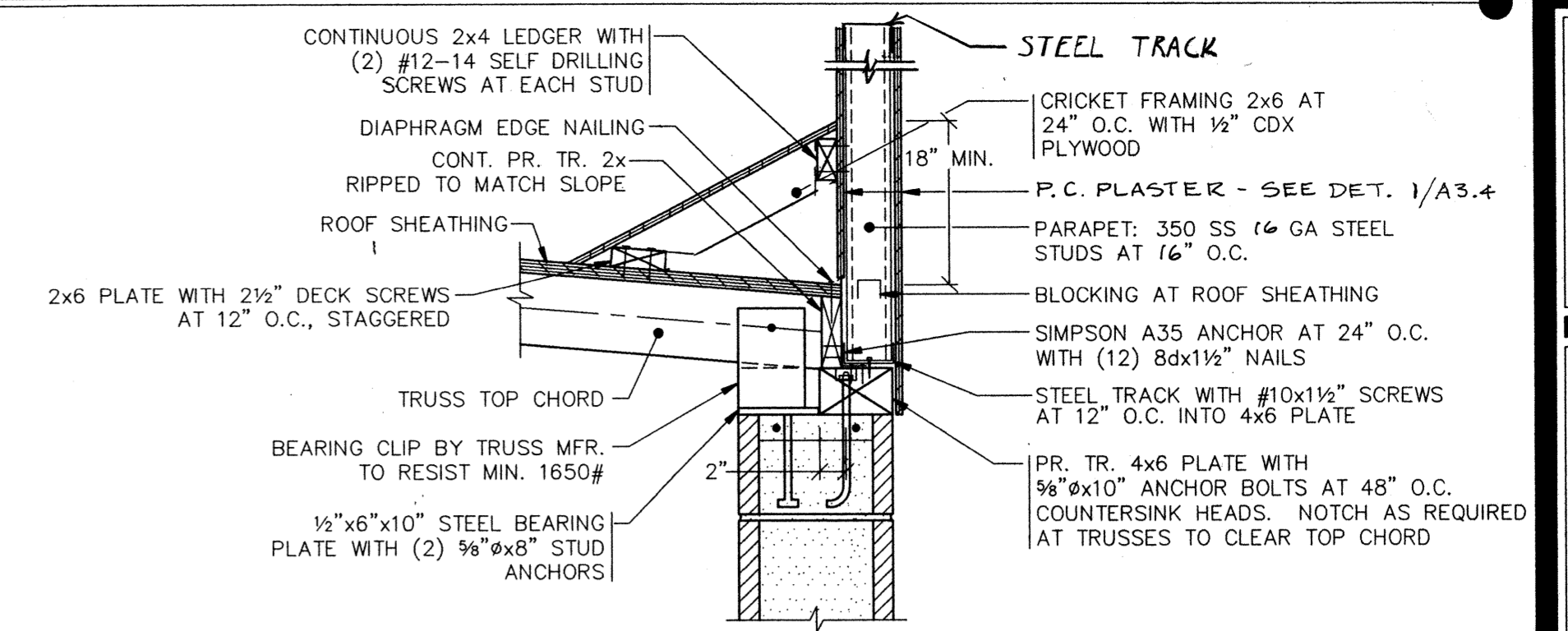
ELEVATION

1 DRAG STRUT DETAIL  
S5.3 1" = 1'-0"

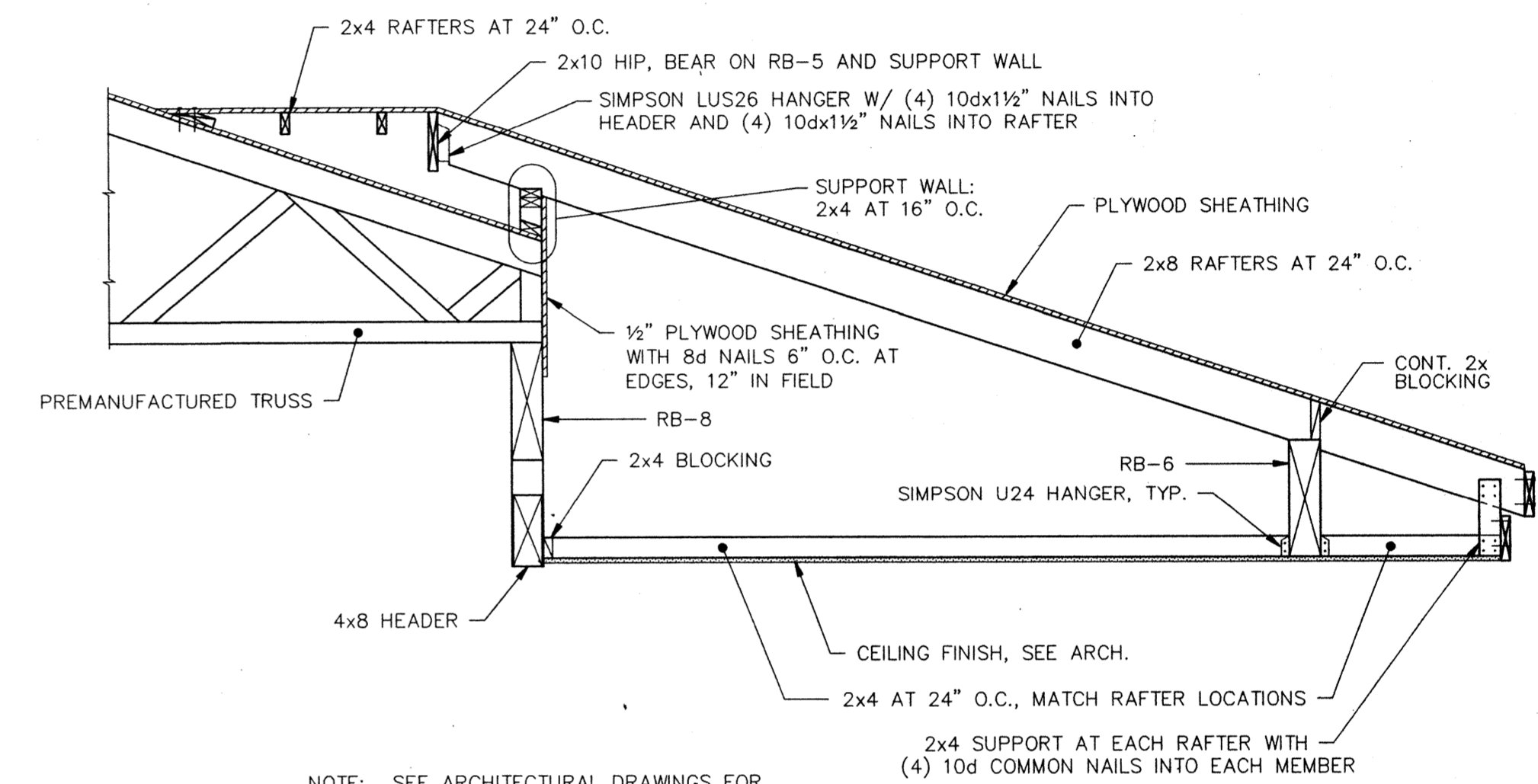


SECTION A-A

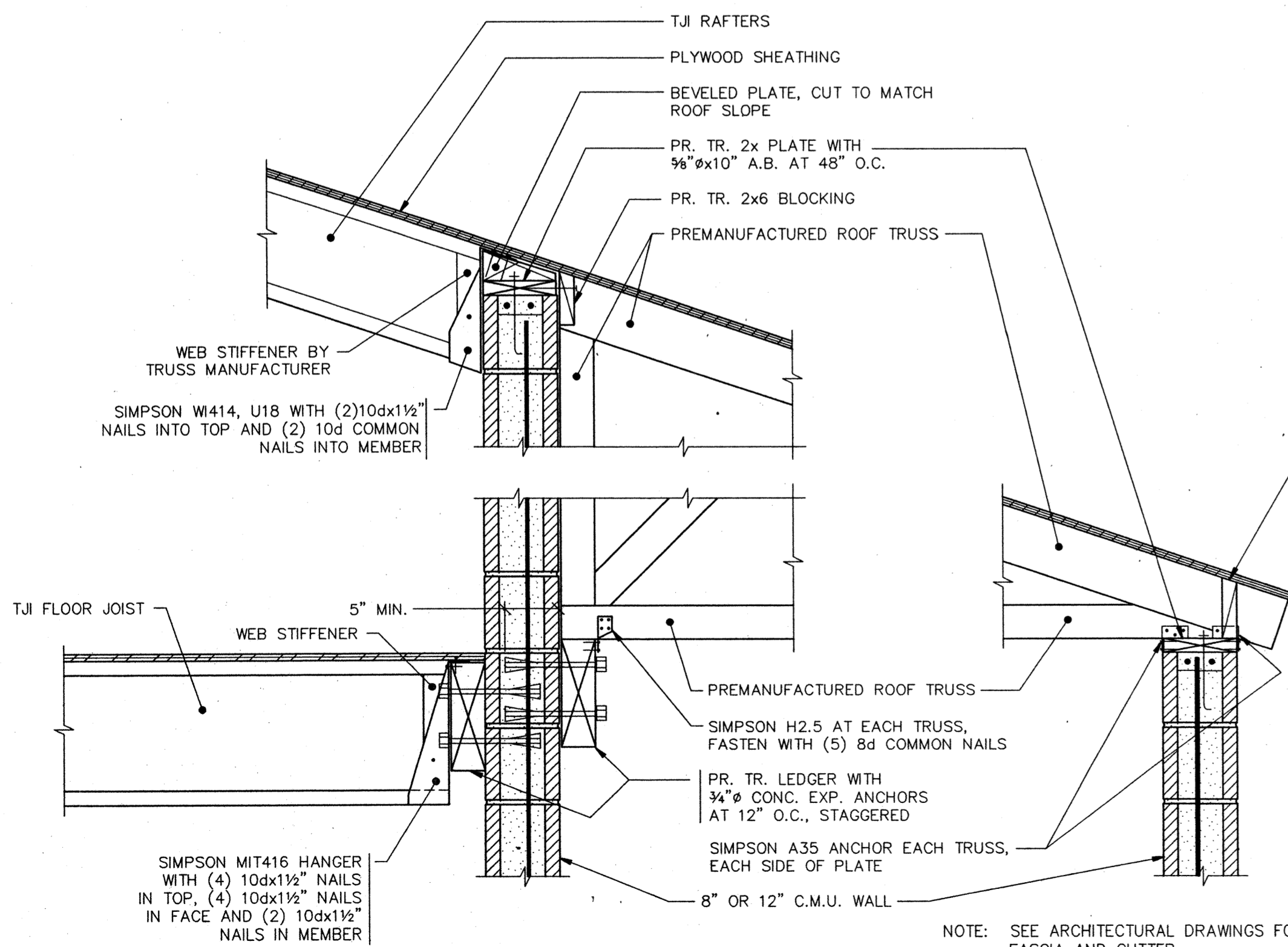
2 NON-BEARING LEDGER  
S5.3 1" = 1'-0"



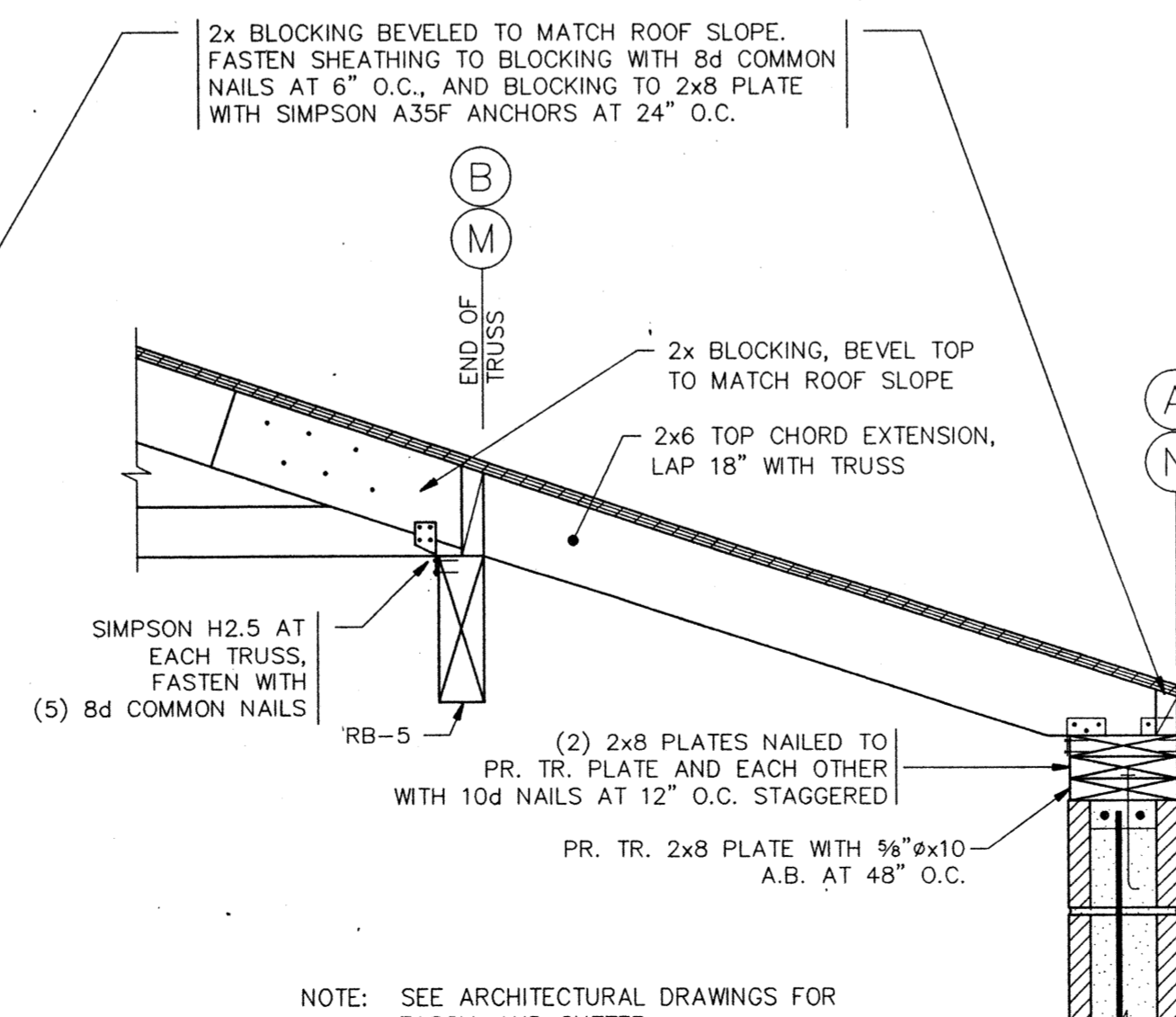
3 TRUSS BEARING DETAIL  
S5.3 1" = 1'-0"



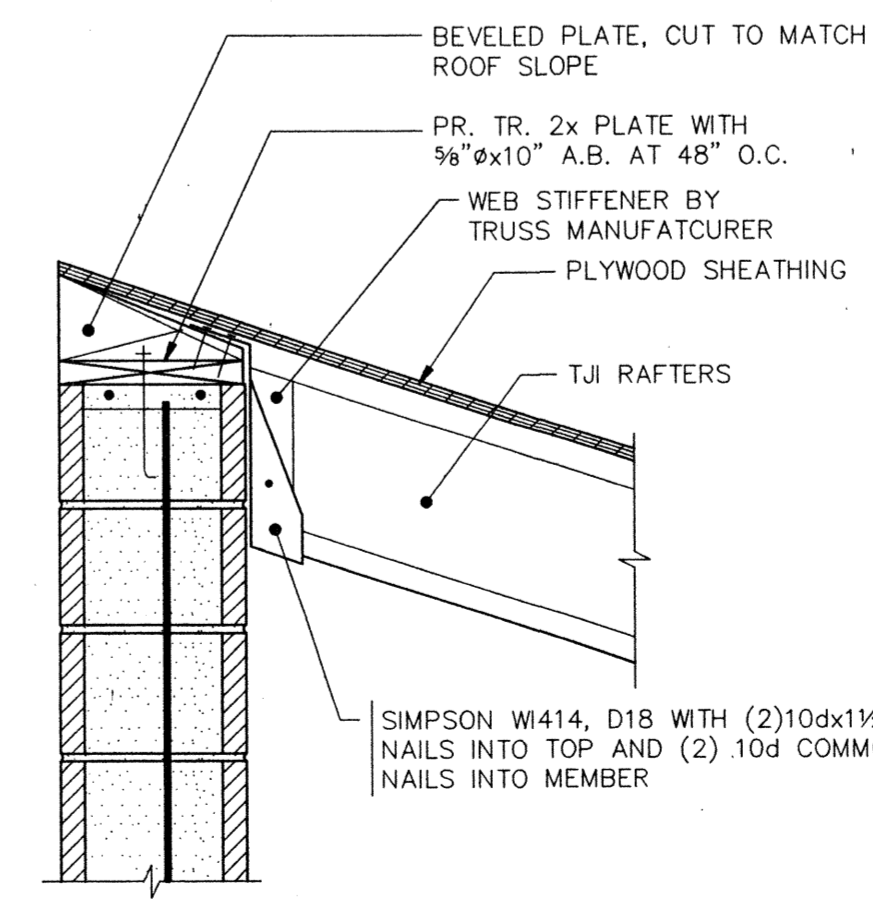
4 ENTRY CANOPY SECTION  
S5.3 1/2" = 1'-0"



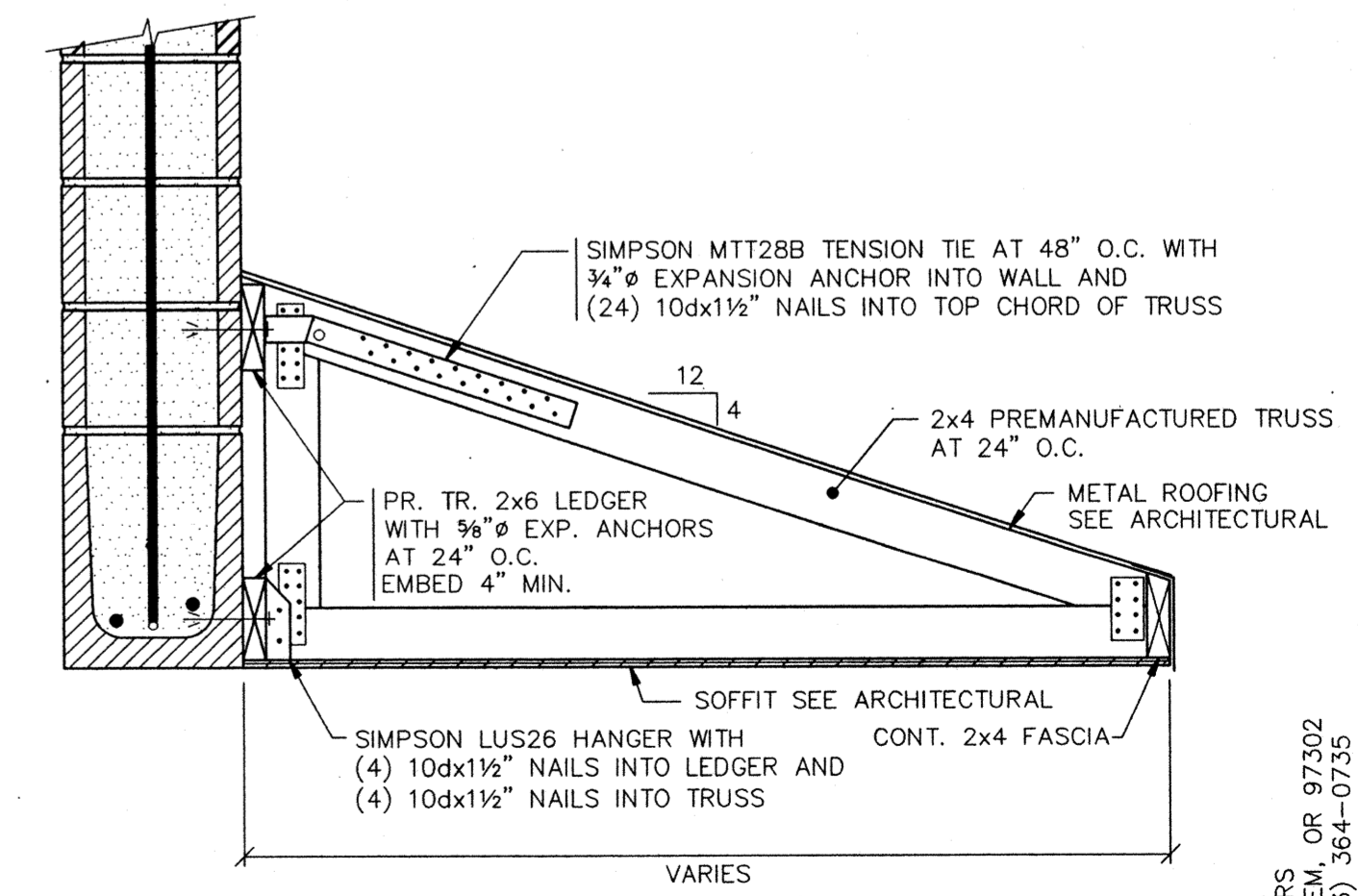
5 TRUSS BEARING DETAIL  
S5.3 1" = 1'-0"



7 TRUSS BEARING DETAIL  
S5.3 1" = 1'-0"



8 TRUSS BEARING DETAIL  
S5.3 1" = 1'-0"



9 CANOPY FRAMING  
S5.3 1" = 1'-0"



job no.: 93-10  
date: 9/26/94  
scale:  
drawn by: BKO  
checked by:  
appr. by:

SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON

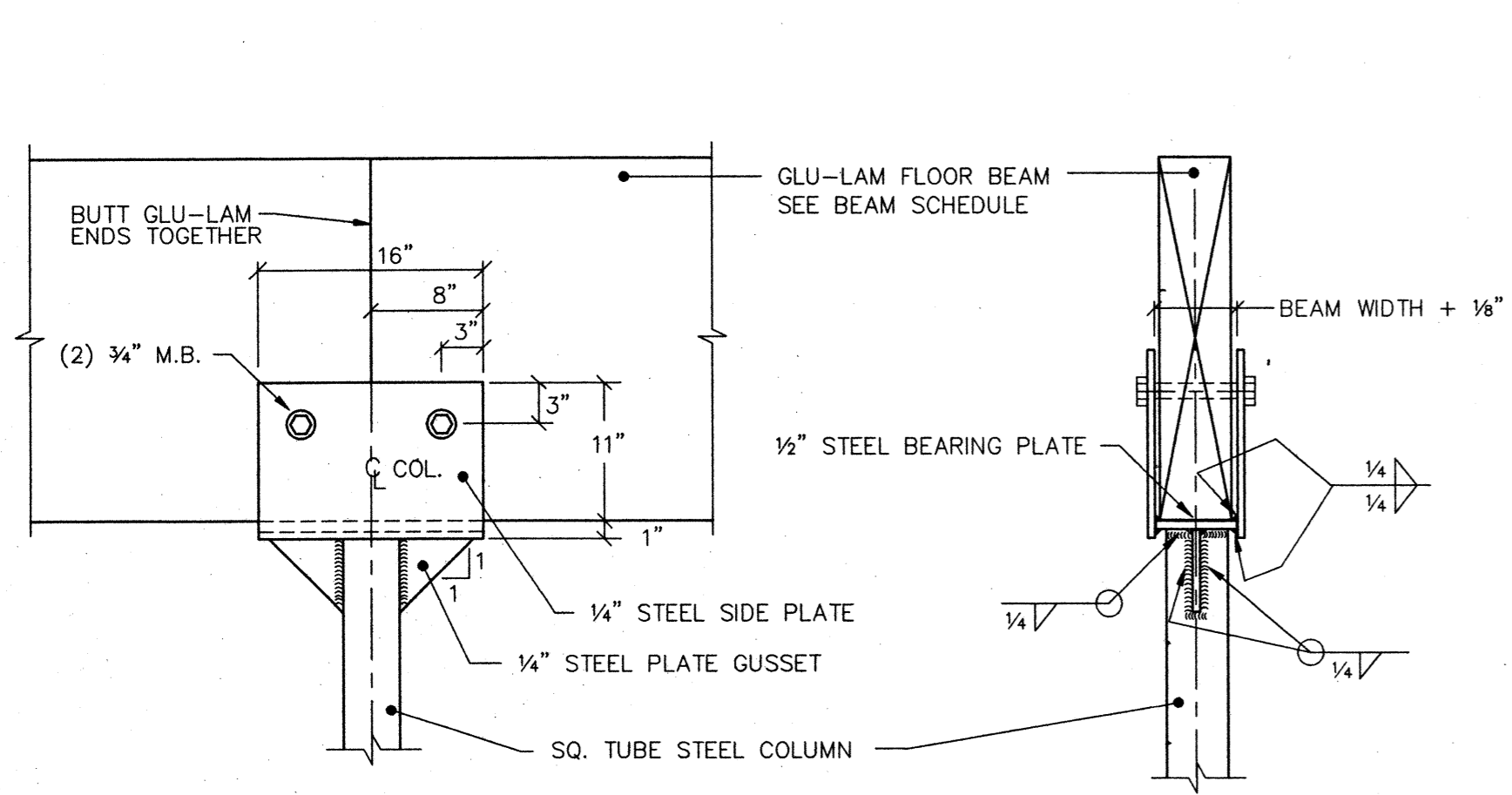
ROOF FRAMING DETAILS

LAWRENCE E. MATSON  
ARCHITECT, A.I.A.  
14042 NE 8TH STREET, SUITE 101  
BELLEVUE, WASHINGTON 98007

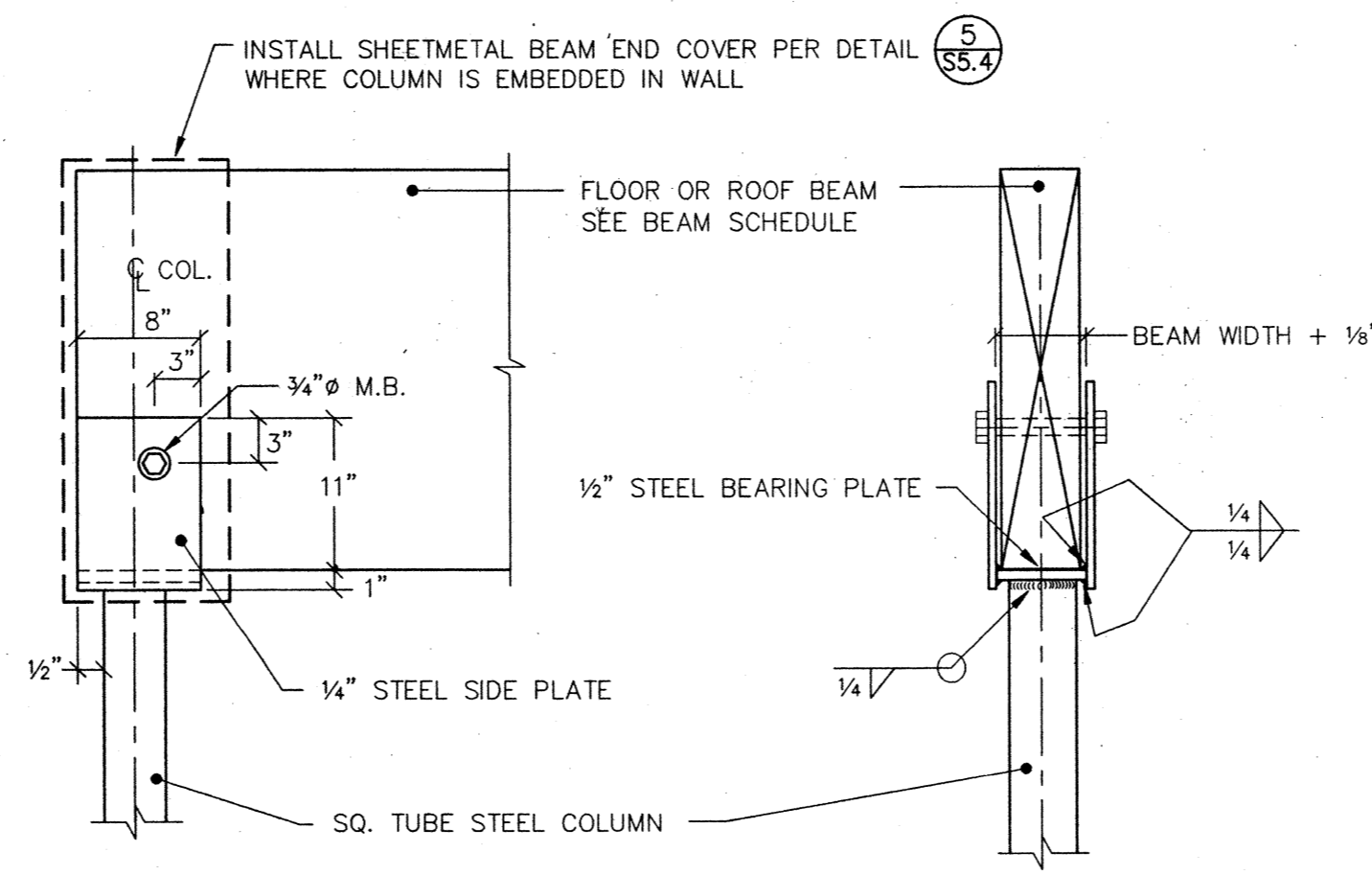
PHONE (206) 746-9049 FAX (206) 746-8586

sheet  
S5.3  
OF

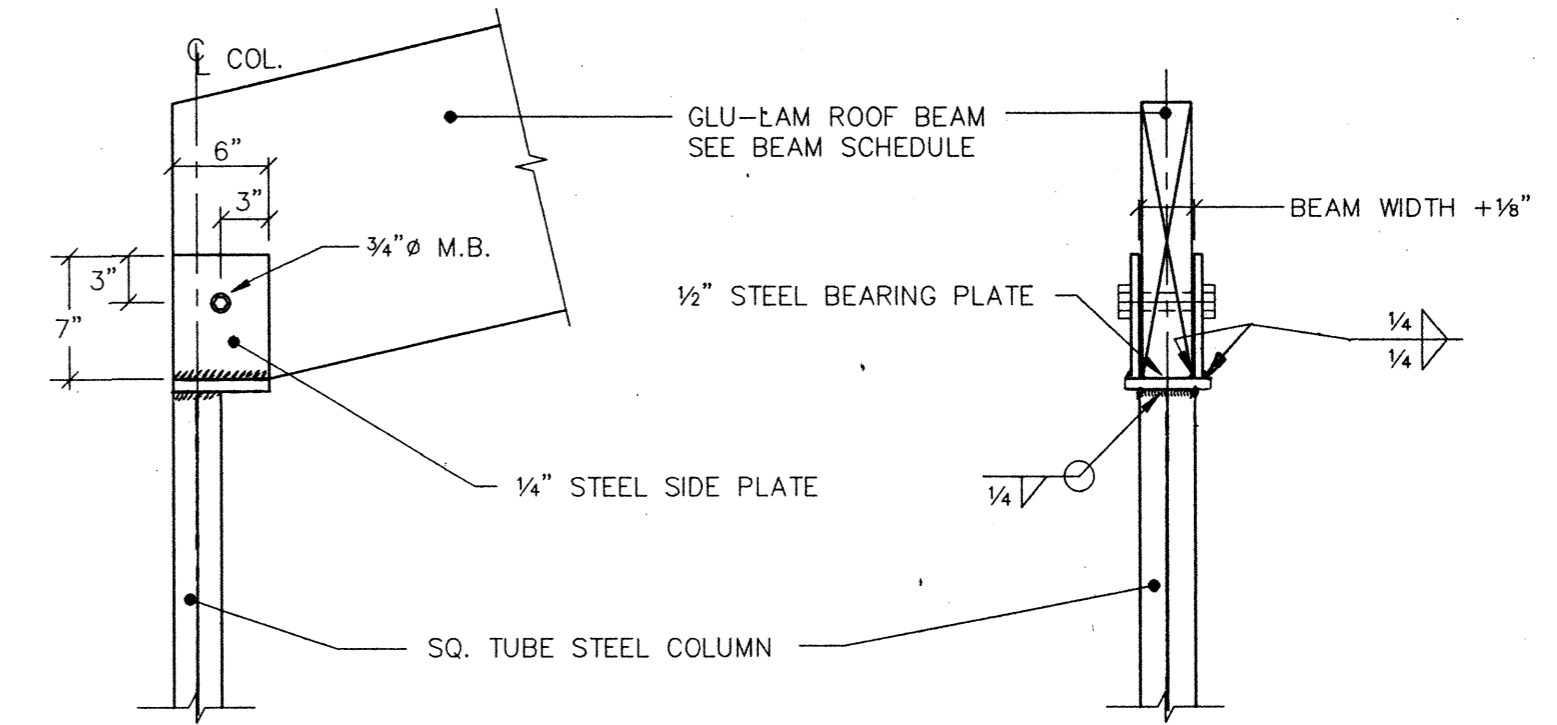
PREPARED BY: YOUNGMAN INC.  
CHARLES L. YOUNGMAN, INC.  
STRUCTURAL CIVIL ENGINEERS  
1375 LIBERTY ST. S.E., SALEM, OR 97302  
(503) 364-8207 FAX (503) 364-0735



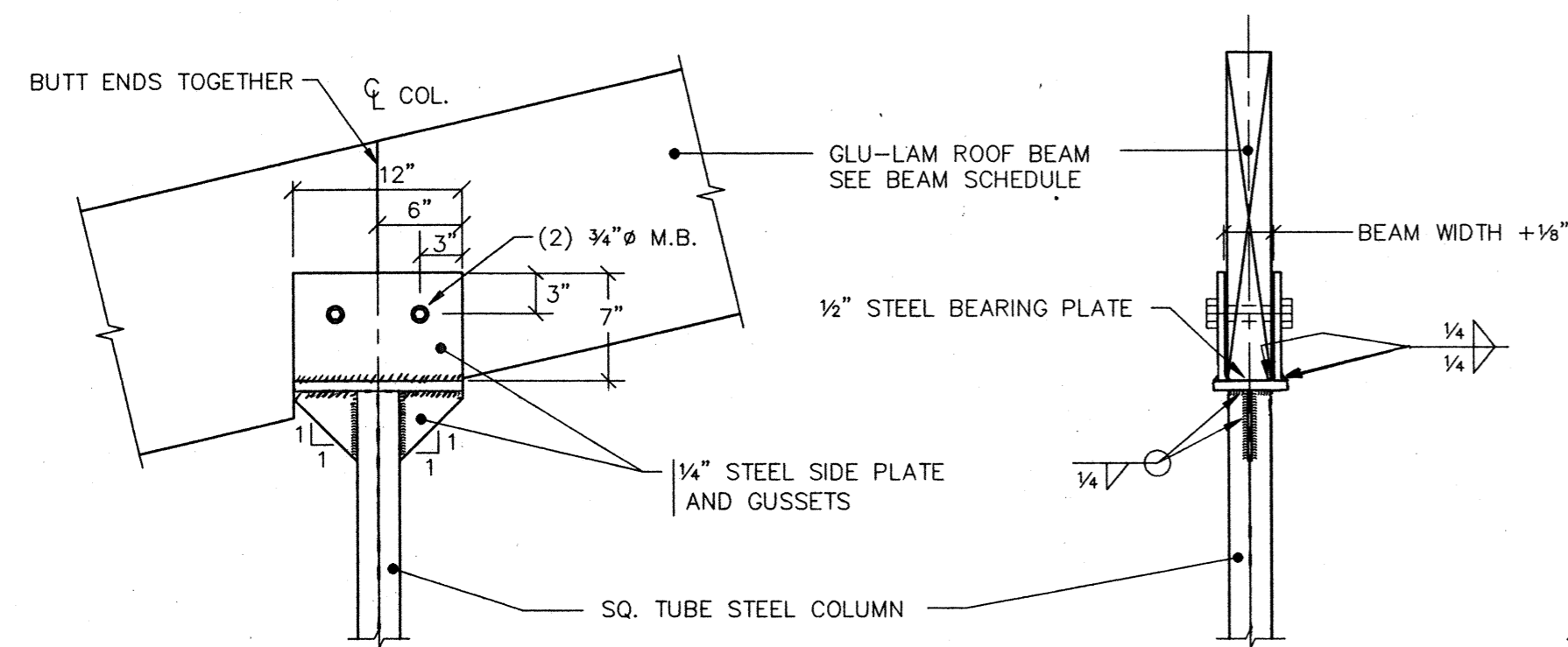
1 INTERIOR COL. CAP (ALTERNATE NO.1)  
S5.4 1" = 1'-0"



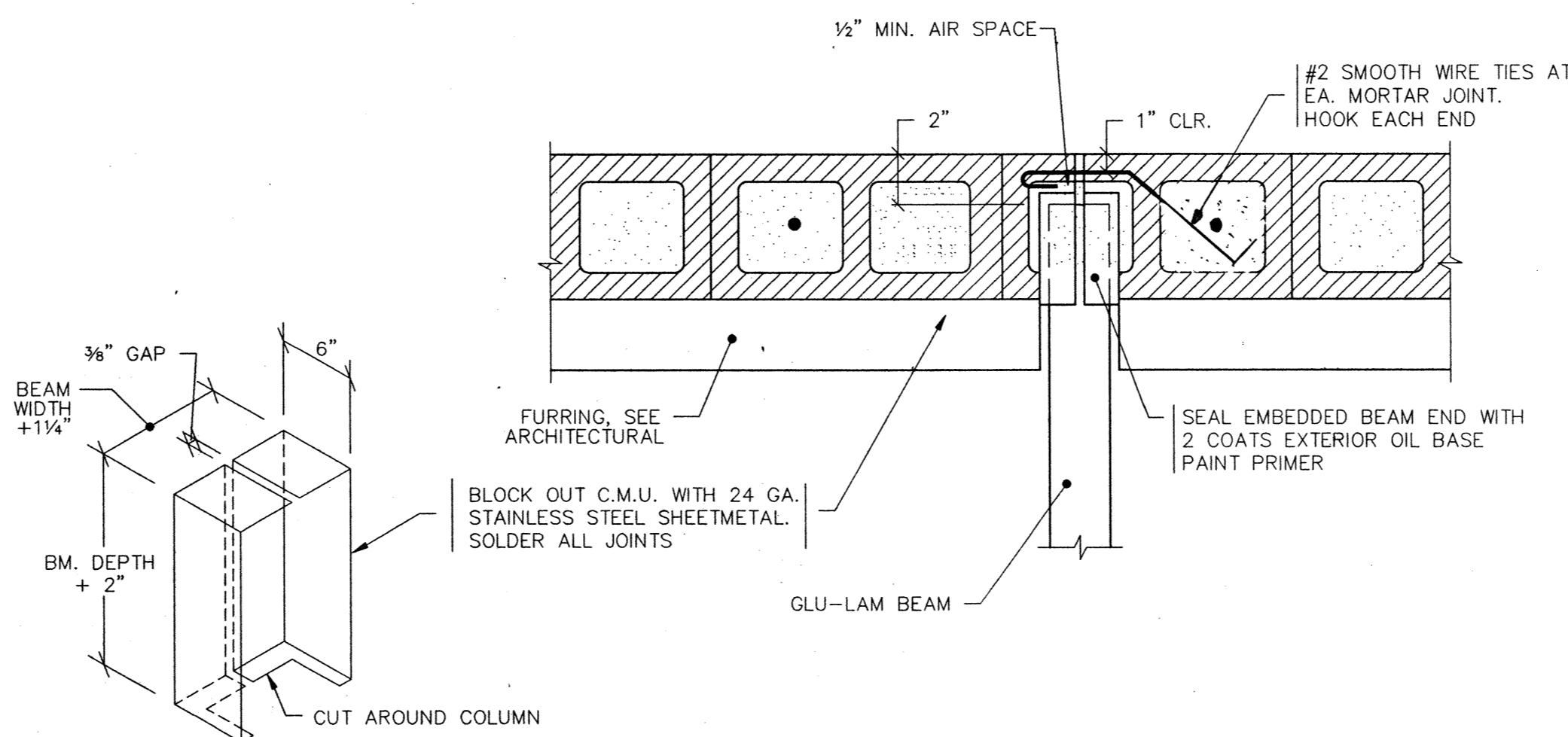
2 END COLUMN CAP  
S5.4 1" = 1'-0"



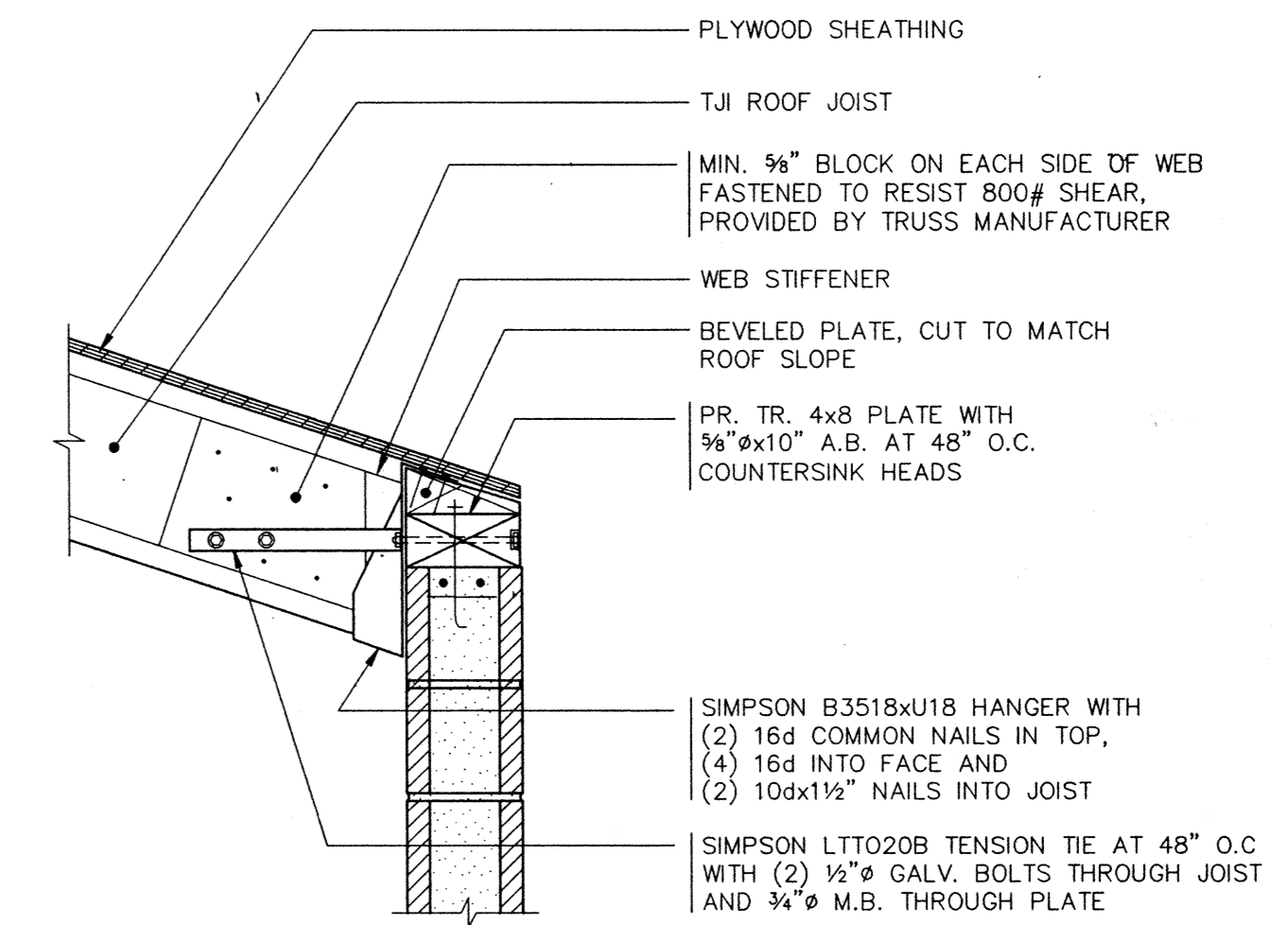
3 END COLUMN CAP AT MECH./STORAGE  
S5.4 1" = 1'-0"



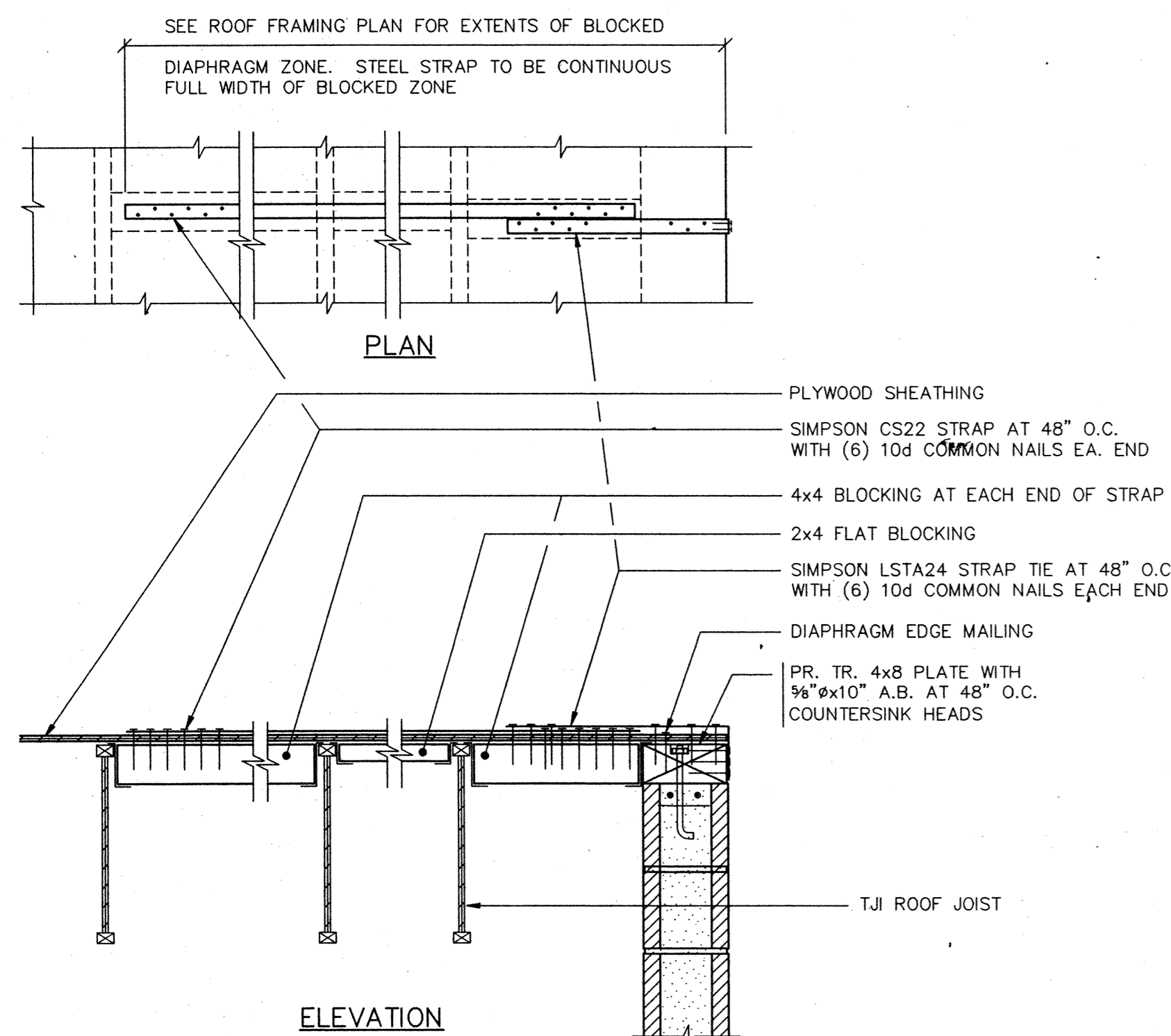
4 INTERIOR COL. CAP AT MECH./STORAGE  
S5.4 1" = 1'-0"



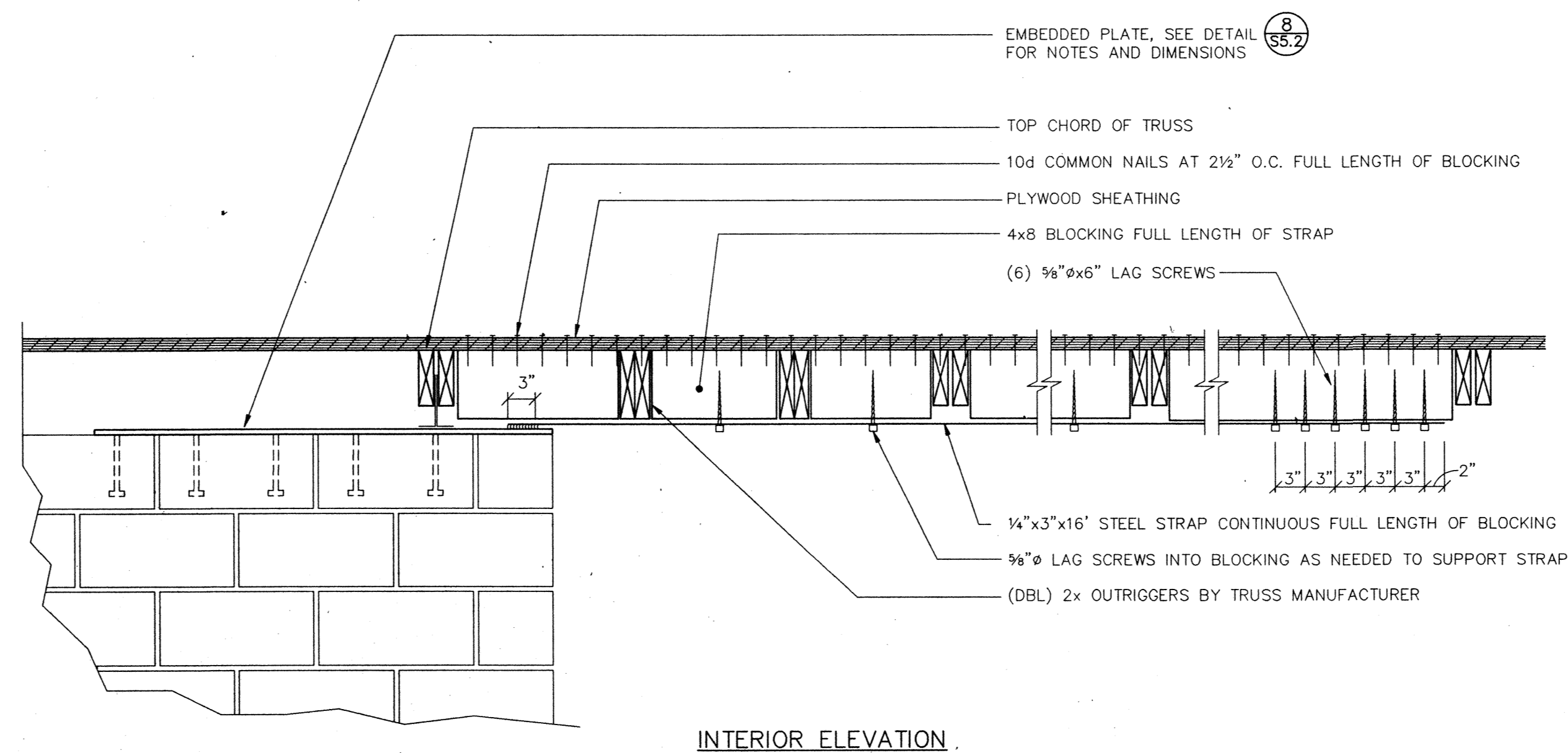
5 WALL BLOCKOUT AT COLUMN  
S5.4 1" = 1'-0"



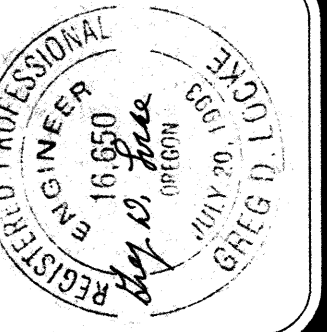
6 JOIST BEARING AT MECH. ROOM  
S5.4 1" = 1'-0"



7 JOIST BEARING AT MECH. ROOM  
S5.4 1" = 1'-0"



8 DRAG STRUT AT SOUTH WALL  
S5.4 1" = 1'-0"



Job no. : 93-10  
date : 09/26/94  
scale :  
drawn by : BKO  
checked by :  
appr. by :

SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON

DETAILS

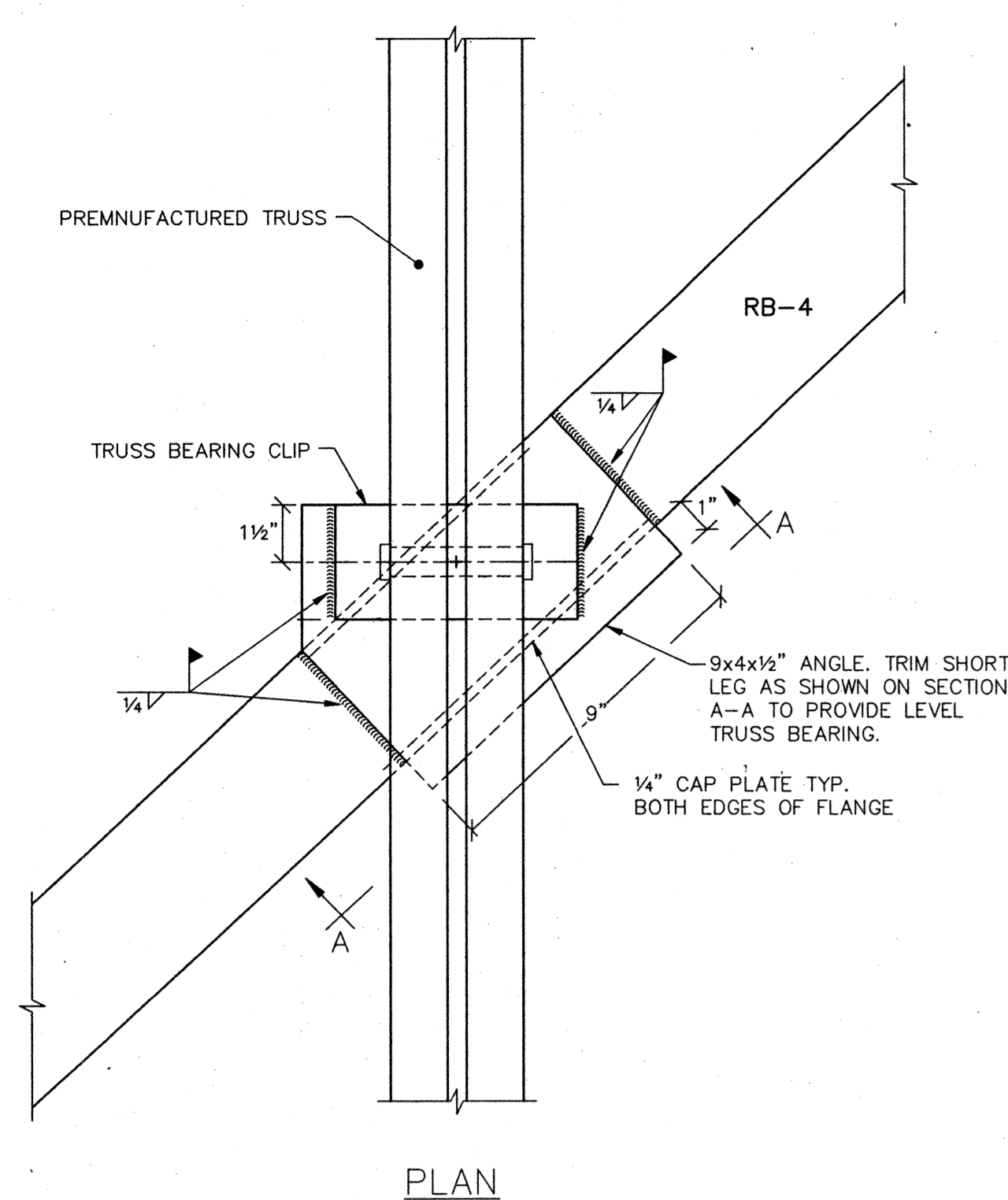
LAWRENCE E. MATSON  
ARCHITECT, A.I.A.  
1402 NE 8TH STREET, SUITE 101  
BELLEVUE, WASHINGTON 98007  
PHONE (206) 746-9049 FAX (206) 746-6586

sheet

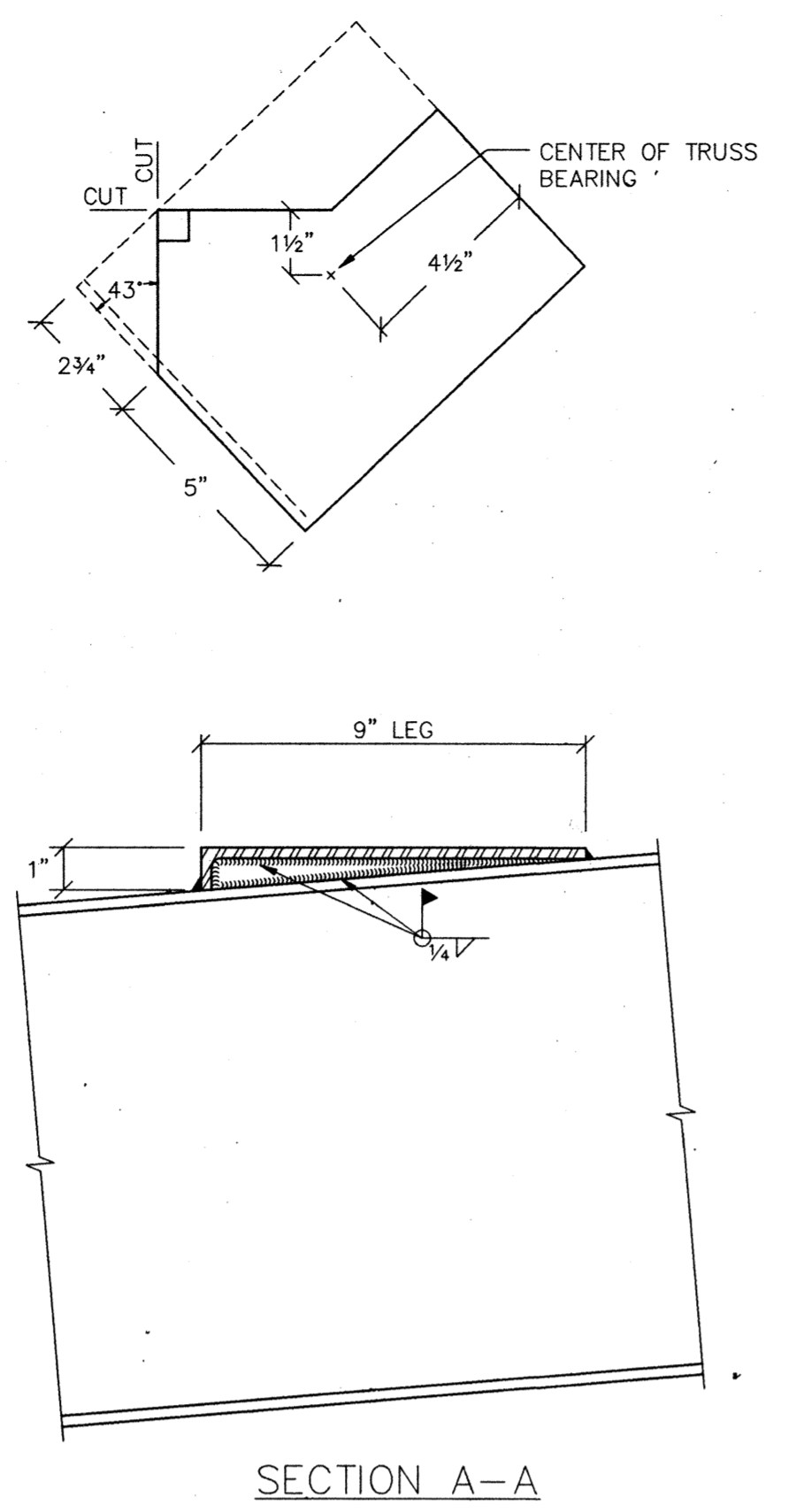
S5.4



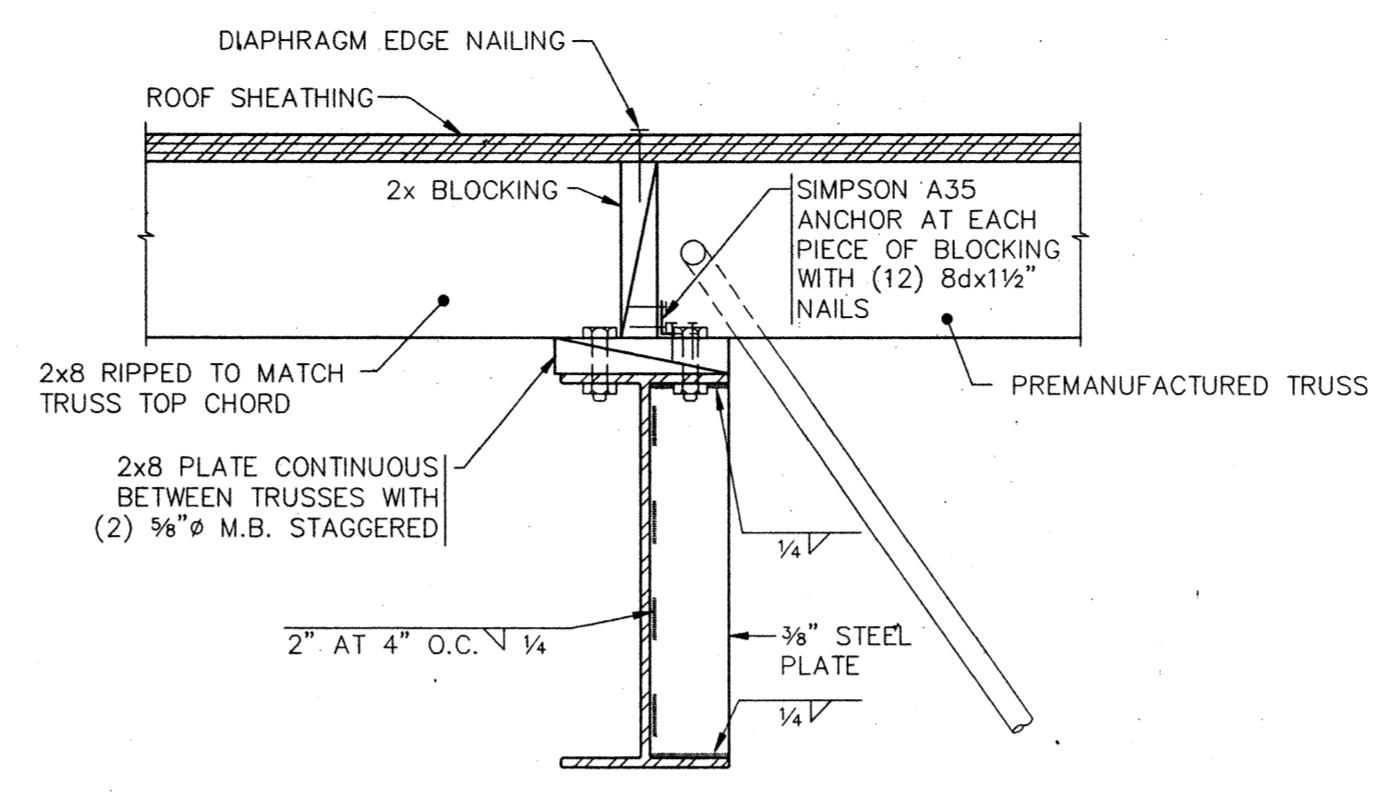




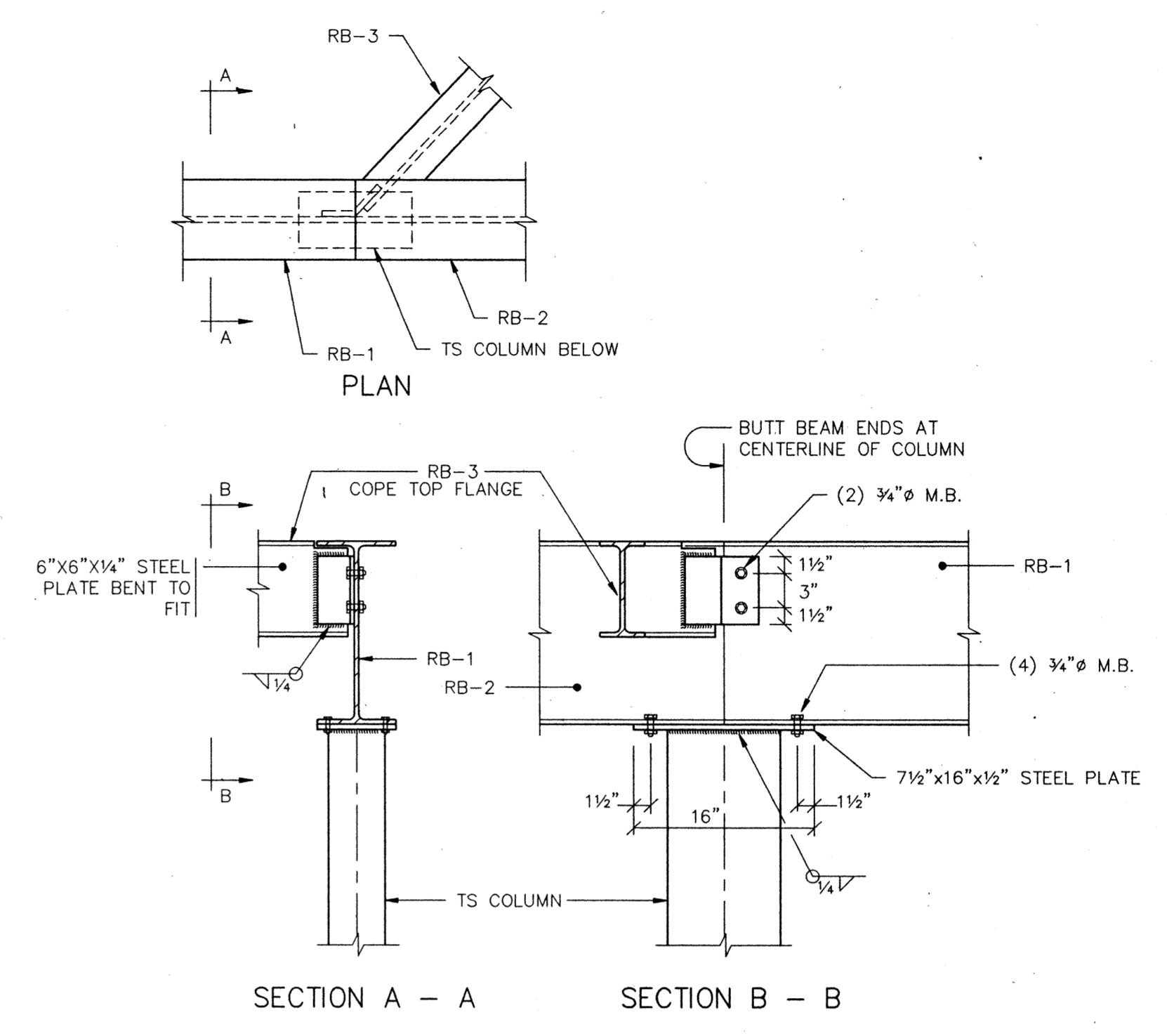
1 TRUSS-SLOPING BEAM  
S5.5 1"=1'-0"



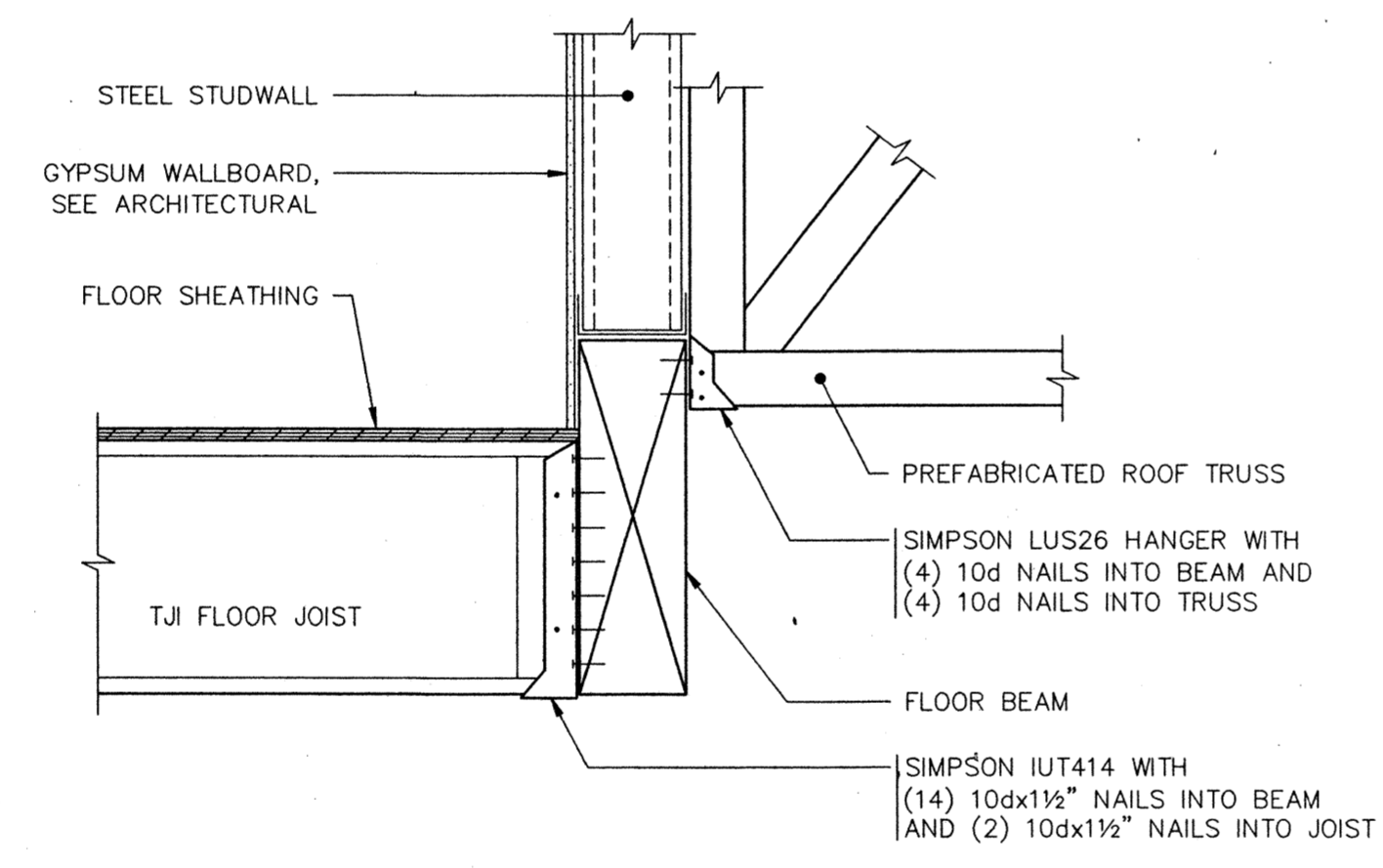
2 SHEAR TRANSFER AT RB-1 & RB-2  
S5.5 1"=1'-0"



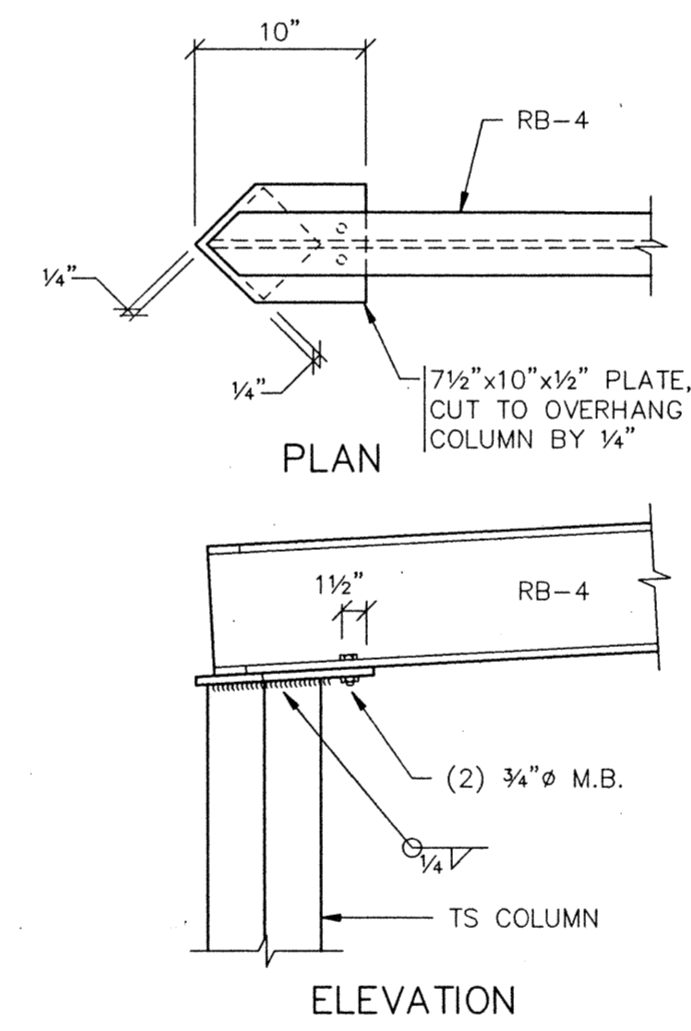
3 BEAM-BEAM CONNECTION  
S5.5 1"=1'-0"



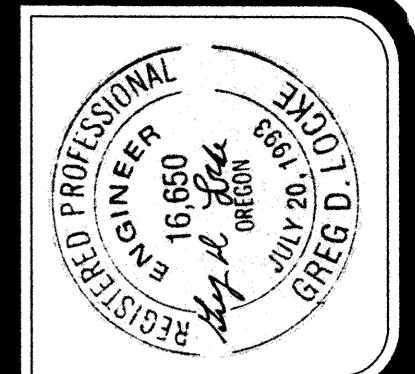
4 GLASS BLOCK HEAD  
S5.5 1 1/2" = 1'-0"



5 ALTERNATE NO. 1 TRUSS/FLOOR BEARING  
S5.5 1" = 1'-0"



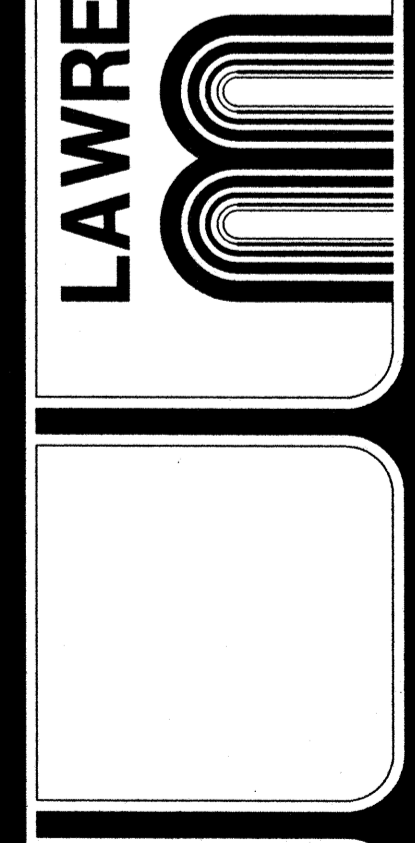
6 SLOPING BEAM - COLUMN  
S5.5 1" = 1'-0"



Job no. : 93-10  
date : 09/26/94  
scale :  
drawn by : BKO  
checked by :  
appr. by :

SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON  
DETAILS

LAWRENCE E. MATSON  
ARCHITECT, A.I.A.  
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BELLEVUE, WASHINGTON 98007  
PHONE (206) 746-9049 FAX (206) 746-8586



sheet  
S5.5  
OF

**GENERAL NOTES:**

- COMPLETE INSTALLATION OF THE MECHANICAL SYSTEM SHALL BE PER THE STATE OF OREGON BUILDING, MECHANICAL ENERGY, FIRE PLUMBING AND HEALTH CODES AND REGULATIONS AS ADOPTED BY THE LOCAL JURISDICTIONS.
- ALL EQUIPMENT SHALL BE FREE FROM DEFECTS IN MATERIAL, WORKMANSHIP, AND TITLE, AND SHALL BE OF THE KIND AND QUALITY DESCRIBED HEREIN.
- COORDINATE WITH THE STRUCTURAL ENGINEER AND GENERAL CONTRACTOR TO PROVIDE STRUCTURAL SUPPORT FOR ALL EQUIPMENT.
- PLUMBING CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE ROUTING AND INSTALLATION FEASIBILITY OF ALL EQUIPMENT, PIPING AND ACCESSORIES AT SITE.
- NATURAL GAS:  
THE CONTRACTOR SHALL INSTALL A NEW GAS PIPING AND PAY & ARRANGE FOR NEW SERVICE (COORDINATE EXACT LOCATION AT SITE). INSTALL A DIRT LEG (FULL SIZE), A GAS COCK, SEISMIC PROOF FLEX HOSE EQUAL TO METRA LOOP AND A UNION FOR EACH UNIT. INSTALLATION SHALL BE PER N.F.P.A.-54 LOCAL CODES AND GAS COMPANY RECOMMENDATIONS. INSTALL GAS COMPANY APPROVED LISTED REGULATORS FOR 2PSIG GAS AS SHOWN ON DRAWING AND VENT INDOOR REGULATORS TO OUTSIDE WITH RAIN CAP.
- PLUMBING CONTRACTOR SHALL COORDINATE PLUMBING VENT STACKS WITH THE EQUIPMENT TO MAINTAIN A MINIMUM OF 10FT. FROM THE OUTSIDE AIR INTAKES.
- PLUMBING CONTRACTOR SHALL CONNECT TO EACH PIECE OF EQUIPMENT WITH REQUIRED ACCESSORIES AND IN ACCORDANCE WITH DRAWINGS, MANUFACTURER'S RECOMMENDATIONS AND LOCAL CODES.
- ALL WATER PIPING SHALL BE INSTALLED ON THE WARM SIDE OF THE BUILDING INSULATION.
- ALL GAS EQUIPMENT SHALL BE INSTALLED PER THEIR LISTINGS, LOCAL CODES AND N.F.P.A. #54.
- ALL PLUMBING, PIPING AND EQUIPMENT SHALL CONFORM TO SMACNA & LOCAL REGULATIONS FOR SEISMIC RESTRAINT.
- INSTALL PLUMBING CLEAN-OUTS PER LOCAL JURISDICTIONS.
- ALL FLOOR DRAINS SHALL HAVE TRAP PRIMERS. EACH TRAP PRIMER SHALL BE CONNECTED TO THE NEAREST FREQUENTLY USED WATER SOURCE FIXTURE.
- COORDINATE WITH STRUCT'L & GENERAL CONTRACTOR TO INSTALL AN I-HOOK ABOVE THE MECH'L ROOM HATCH FOR FUTURE REPLACEMENT OF WATER HEATERS & FURNACES.

DESIGNATION:	WH-4
ZONE:	STORAGE
MANUFACTURER:	A.O. SMITH
MODEL:	ELSF-15
TYPE:	POINT OF USE
WATTS:	2000
NO. OF ELEMENTS:	1
SEQUENCE:	1
TEMP. RISE (F°):	-----
GALLONS:	15
VOLTAGE:	115
PHASE:	1
SHIPPING WEIGHT (LBS):	66
REMARKS:	(1)(2)(3)

(1) WITH DRAIN VALVE & P/T VALVE  
(2) DISCHARGE RELIEF TO AN INDIRECT WASTE PER LOCAL JURISDICTION.  
(3) WITH WALL BRACKET AND SUPPORT. STRAP PER "UPC" FOR SEISMIC MOVEMENT.

DESIGNATION:	SP-1
ZONE:	POOL EQUIPMENT ROOM
MANUFACTURER:	PACO
MODEL:	PIP-702
TYPE:	SUBMERSIBLE
G.P.M.:	34
HEAD (FT-H2O):	25
R.P.M.:	-----
MOTOR HP:	1/2
VOLTAGE:	115
PHASE:	1
WEIGHT (LBS):	32
REMARKS:	(1)

(1) WITH LEVEL CONTROL FLOAT VALVE.  
(2) INSTALL CHECK VALVE AND SHUT-OFF AT DISCHARGE.  
(3) PUMP TO SIT AT BOTTOM OF CONCRETE SUMP.

DESIG:	ITEM#	TRAP:	WASTE:	VENT:	CW:	HW(120°F):	MW(105°F):
P-1	WATER CLOSET(FV)	3"	4"	2"	1"		
P-1A	WATER CLOSET(HC)	3"	4"	2"	1"		
P-2	URINAL	2"	2"	1-1/2"	3/4"		
P-2A	URINAL (HC)	2"	2"	1-1/2"	3/4"		
P-3	LAVATORY (COUNTER)	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	
P-4	LAVATORY (WALL HUNG)	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	
P-5	LAVATORY (CTR SQ)	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	
P-6	SHOWER (HC)	2"	2"	1-1/2"	1/2"	1/2"	
P-7	SHOWER	2"	2"	1-1/2"			1/2"
P-8	TRI-SHOWER	2"	2"	1-1/2"			1"
P-9	SERVICE SINK	3"	3"	1-1/2"	1/2"	1/2"	
P-10	WATER COOLER (DOUBLE)	1-1/2"	1-1/2"	1-1/2"	1/2"		
P-11	WATER COOLER	1-1/4"	1-1/4"	1-1/4"	1/2"		
P-11A	WATER COOLER (HC)	1-1/4"	1-1/4"	1-1/4"	1/2"		
P-12	SINK	1-1/2"	2"	1-1/2"	1/2"	1/2"	
P-13	WALL HYDRANT (FP)				3/4"		
P-14	WALL HYDRANT				3/4"		
P-15	HOSE BIBB				3/4"		
D-1	FLOOR DRAIN	2"	2"	1-1/2"			
D-2	FLOOR DRAIN	3"	3"	1-1/2"			
D-3	FUNNEL DRAIN	2"	2"	1-1/2"			
D-4	BACKWASH PIT DRAIN		8"				

NOTES:  
(1) SEE PLUMBING FIXTURE SCHEDULE IN SPEC. - 15450-A FOR FIXTURE SPECIFICATIONS.  
(2) ALL HANDICAPPED FIXTURES SHALL BE APPROVED FOR USE BY DISABLED PERSONS.  
(3) ALL FIXTURES SHALL COMPLY WITH THE STATE WATER CONSERVATION ACT REQUIREMENTS.  
(4) COORDINATE WITH ARCHITECTURAL FOR EXACT LOCATION OF ALL PLUMBING FIXTURES.  
(5) NO UNDERGROUND WASTE PIPING LESS THAN 2".  
(6) ALL FLOOR DRAINS SHALL HAVE TRAP PRIMERS PER SPEC. - 15422.

DESIGNATION:	WH-1, 2 & 3
ZONE:	BUILDING
MANUFACTURER:	A.O. SMITH
MODEL:	BTC-197
GAS TYPE:	NATURAL
GAS INPUT (BTU/HR):	197,000
RECOVERY (GPH):	191
TEMP. RISE (F°):	80
TANK (GAL.):	100
VOLTAGE:	120
PHASE:	1
SHIPPING WEIGHT (LBS):	530
LISTING:	AGA
REMARKS:	(1)(2)(3)

(1) WITH P/T VALVE, VERTICAL DRAFT, AND INTERMITTENT IGNITION DEVICE.  
(2) ANCHOR/STRAP WATER HEATER FOR EARTHQUAKE PROTECTION PER CODE.  
(3) ASME LISTED WHEN REQUIRED BY THE LOCAL JURISDICTIONS.

DESIGNATION:	CP-1
ZONE:	BUILDING
MANUFACTURER:	B & G
MODEL:	100
TYPE:	IN-LINE
G.P.M.:	10
HEAD (FT-H2O):	8
R.P.M.:	1750
MOTOR HP:	1/12
VOLTAGE:	115
PHASE:	1
WEIGHT (LBS):	
REMARKS:	(1)

(1) ALL BRONZE PUMP, 125 PSI MIN. RATED.

SYMBOL	ABBREVIATION	DESCRIPTION
(P)	---	PLUMBING FIXTURE
---	CW	COLD WATER
---	HW	HOT WATER
---	HWR	HOT WATER RETURN
---	TW	TEMPERED WATER
---	W	WASTE, SANITARY
---	V	VENT
---	G	GAS
---	GV	GATE VALVE
---	CV	CHECK VALVE
---	RV	RELIEF VALVE
---	U	UNION
---	PG	PRESSURE GAUGE
---	T	THERMOMETER
---	BV	BALANCING VALVE
---	PRV	PRESSURE REDUCING OR REGULATING VALVE
---	DCVA	DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY
---	RPPA	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY

P0.1	LEGEND, SCHEDULES AND GENERAL NOTES
P2.1	1ST FLOOR PLAN - PLUMBING (UNDERGROUND).
P2.2	1ST FLOOR PLAN - PLUMBING (ABOVE GROUND)
P2.3	2ND FLOOR PLAN - PLUMBING.
P3.1	PLUMBING RISER DIAGRAMS - WASTE & VENT.
P3.2	PLUMBING RISER DIAGRAMS - WATER
P5.1	DETAILS

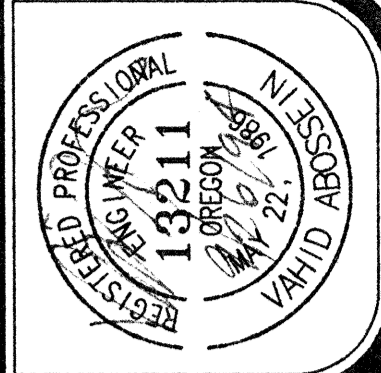
**Abossein Engineering Corp.**  
MECHANICAL - FIRE PROTECTION - ENERGY  
1239 120TH. AVE. N.E., Suite "E"  
Bellevue, Wa. 98005  
(206) 462-9441  
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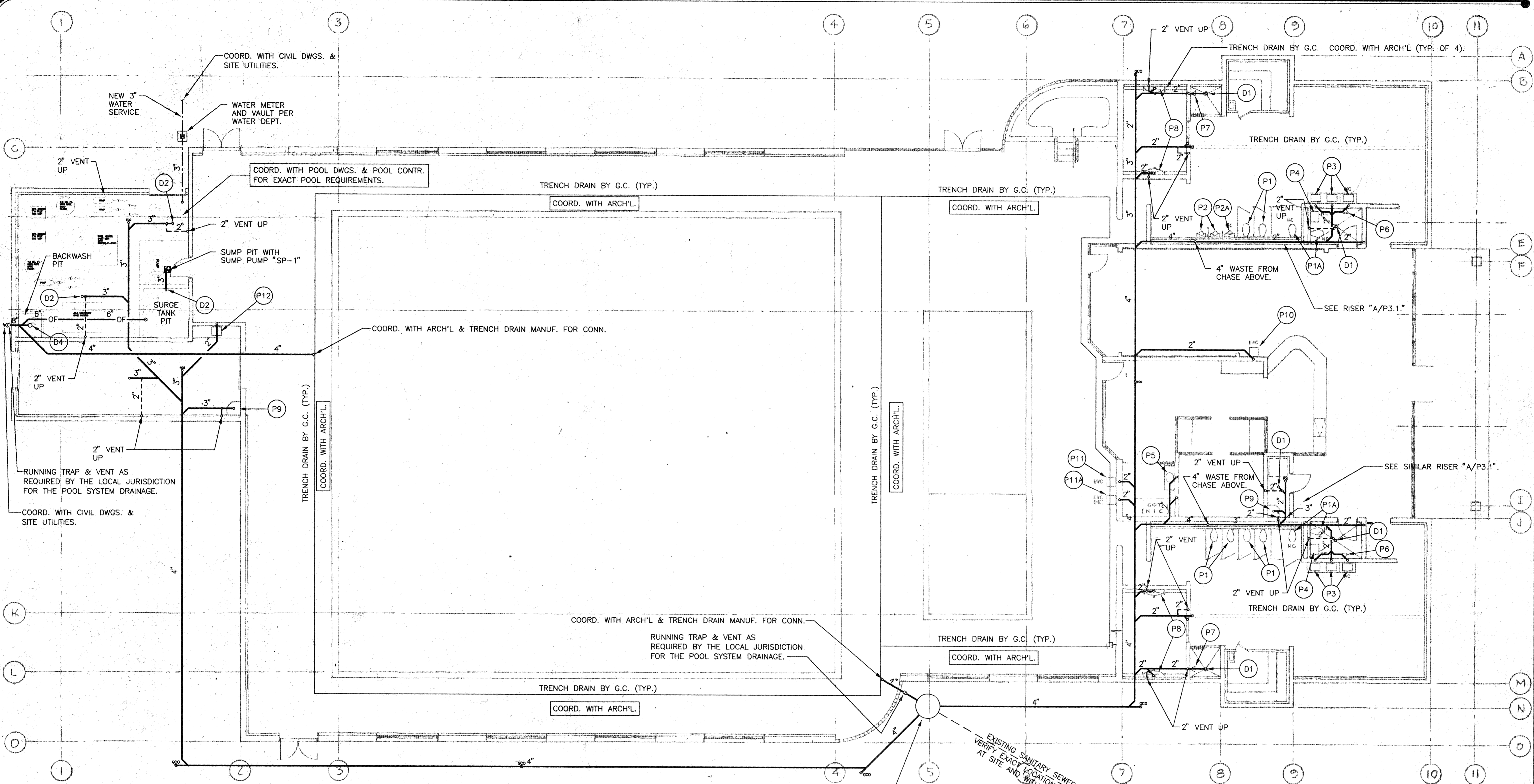
**SWIMMING POOL FOR THE CITY OF WOODBURN WOODBURN, OREGON**

**LAWRENCE E. MATSON ARCHITECT. A.I.A.**  
14042 NE 8TH STREET, SUITE 101  
BELLEVUE, WASHINGTON 98007  
PHONE (206) 746-9046 FAX (206) 746-8886

job no. 9431  
date 09/29/94  
scale 1/8" = 1'-0"  
drawn by RSJ  
checked by VA  
plot scale 1/8" = 1'-0"

**sheet PO.1 of 7**

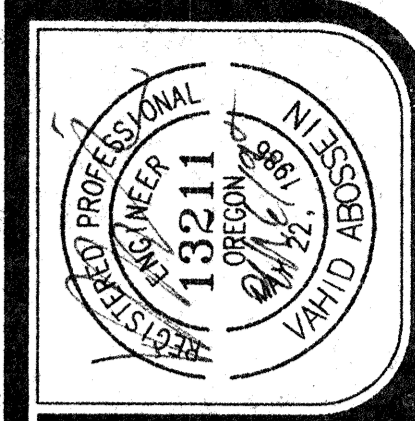




- PLUMBING GENERAL NOTES:**
- 1) INSTALL ALL TRAP ARMS SUCH THAT THE MAXIMUM LENGTH WILL NOT EXCEED THE CODE REQUIREMENTS.
  - 2) COORDINATE WITH ARCHITECTURAL FOR EXACT LOCATION OF ALL PLUMBING FIXTURES AND HANDICAPPED FIXTURES.
  - 3) COORDINATE WITH STRUCTURAL FOR EXACT LOCATION OF ALL STRUCTURAL, FRAMING AND FOOTINGS AND FINALIZE THE EXACT ROUTING OF ALL PIPES WITH STRUCTURAL SHOP DRAWINGS AND AT SITE PRIOR AND DURING THE CONSTRUCTION.
  - 4) ALL FIXTURES REQUIRING PLUMBING SHALL BE CONNECTED TO BUILDING WASTE, VENT, COLD WATER, HOT WATER, MIXED WATER AND GAS SYSTEM AS REQUIRED BY THE CODES.
  - 5) SEE PLUMBING FIXTURE CONNECTION SCHEDULE ON SHEET "P0.1".
  - 6) SEE PLUMBING FIXTURE SCHEDULE IN SPECIFICATION SECTION 15450-APPENDIX "A".
  - 8) HOT, COLD WATER AND RELIEF PIPE CONNECTION TO EACH WATER HEATER SHALL NOT BE SMALLER THAN THE WATER HEATER CONNECTION OPENING.
  - 9) INSTALL CLEANOUTS PER UPC-1994-SECTION 406 AND AS REQUIRED BY LOCAL JURISDICTIONS.
  - 10) COORDINATE WITH CIVIL DRAWINGS AND SITE UTILITIES FOR ALL NEW GAS, WATER AND SEWER SITE SERVICES.

**FIRST FLOOR PLAN - PLUMBING (UNDERGROUND)**  
 SCALE: 1/8"=1'-0"

EXISTING SANITARY SEWER LINE  
 VERIFY EXACT LOCATION AND DEPTH  
 AT SITE AND WITH CIVIL PLANS.



job no.	9431
date	09/29/94
scale	1/8"=1'-0"
drawn by	RSJ
checked by	VA
plot scale	1/8"=1'-0"

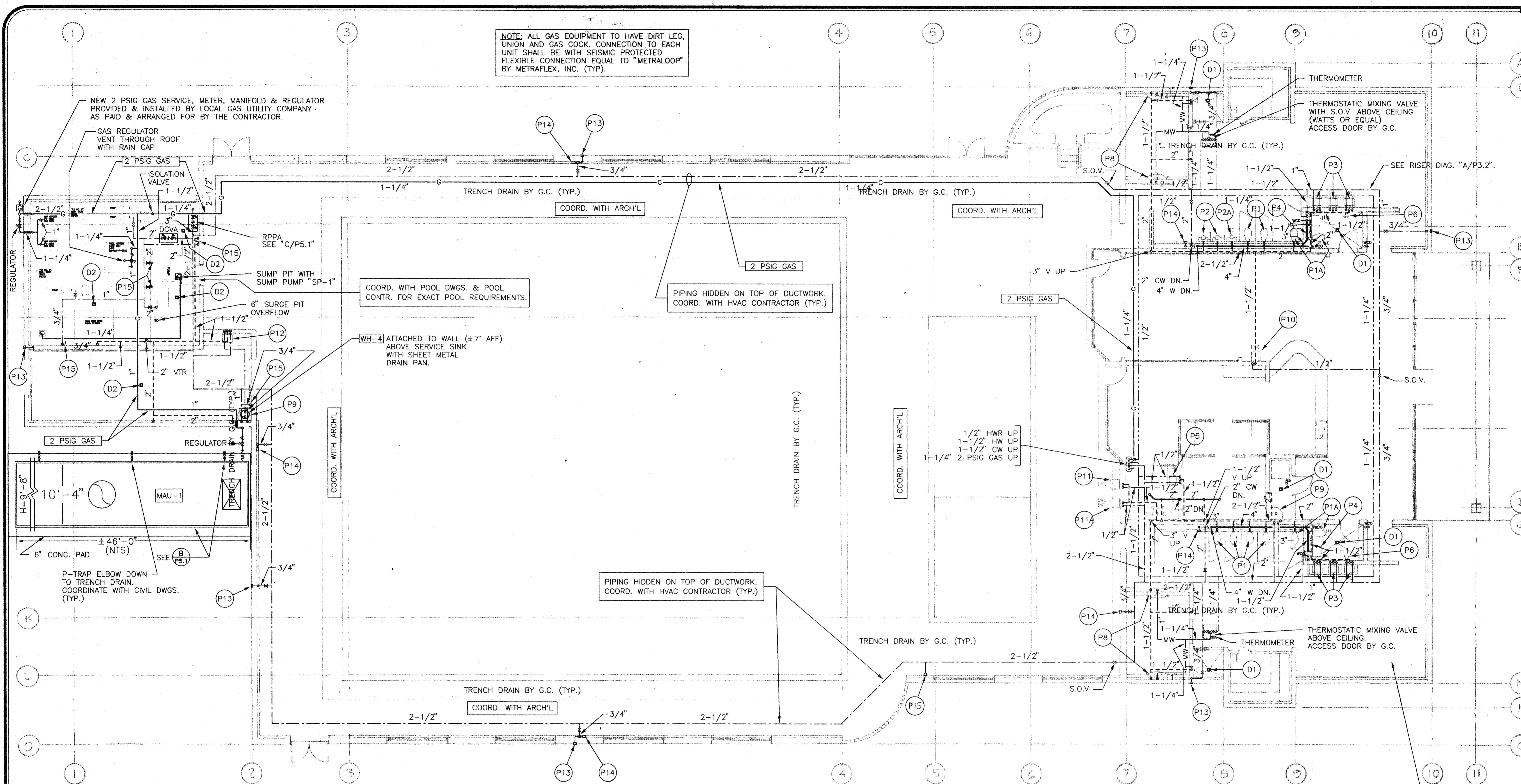
**SWIMMING POOL  
 FOR THE  
 CITY OF WOODBURN  
 WOODBURN, OREGON**

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**FIRST FLOOR  
 PLAN -  
 PLUMBING -  
 UNDERGROUND**

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**sheet  
 P2.1  
 OF 7**

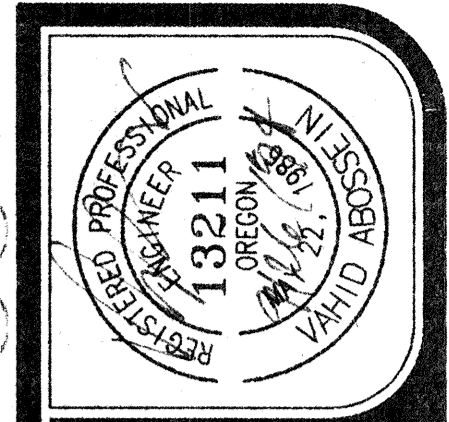
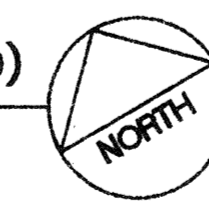


NOTE: ALL GAS EQUIPMENT TO HAVE DIRT LEG, UNION AND GAS COCK. CONNECTION TO EACH UNIT SHALL BE WITH SEISMIC PROTECTED FLEXIBLE CONNECTION EQUAL TO "METRALOOP" BY METRAFLEX, INC. (TYP.)

- PLUMBING GENERAL NOTES:**
- 1) INSTALL ALL TRAP ARMS SUCH THAT THE MAXIMUM LENGTH WILL NOT EXCEED THE CODE REQUIREMENTS.
  - 2) COORDINATE WITH ARCHITECTURAL FOR EXACT LOCATION OF ALL PLUMBING FIXTURES AND HANDICAPPED FIXTURES.
  - 3) COORDINATE WITH STRUCTURAL FOR EXACT LOCATION OF ALL STRUCTURAL, FRAMING AND FOOTINGS AND FINALIZE THE EXACT ROUTING OF ALL PIPES WITH STRUCTURAL SHOP DRAWINGS AND AT SITE PRIOR AND DURING THE CONSTRUCTION.
  - 4) ALL FIXTURES REQUIRING PLUMBING SHALL BE CONNECTED TO BUILDING WASTE, VENT, COLD WATER, HOT WATER, MIXED WATER AND GAS SYSTEM AS REQUIRED BY THE CODES.
  - 5) SEE PLUMBING FIXTURE CONNECTION SCHEDULE ON SHEET "P0.1".
  - 6) SEE PLUMBING FIXTURE SCHEDULE IN SPECIFICATION SECTION 15450-APPENDIX "A".
  - 8) HOT, COLD WATER AND RELIEF PIPE CONNECTION TO EACH WATER HEATER SHALL NOT BE SMALLER THAN THE WATER HEATER CONNECTION OPENING.
  - 9) INSTALL CLEANOUTS PER UPC-1994-SECTION 406 AND AS REQUIRED BY LOCAL JURISDICTIONS.
  - 10) COORDINATE WITH CIVIL DRAWINGS AND SITE UTILITIES FOR ALL NEW GAS, WATER AND SEWER SITE SERVICES.

NOTE: INSTALL PDI APPROVED WADE-SHOKSTOPS-W5 THROUGH W100 (OR EQUAL) AT ALL BUILDING HOT AND COLD WATER PIPINGS. ALL SHOKSTOPS SHALL BE LOCATED (MINIMUM ONE AT END OF EACH RUN-OUT) AND SIZED PER THEIR LISTINGS & BASED ON THE MANUFACTURERS' RECOMMENDATIONS.

**FIRST FLOOR PLAN - PLUMBING (ABOVEGROUND)**  
SCALE 1/8"=1'-0"



job no. 9431  
date 09/29/94  
scale 1/8"=1'-0"  
drawn by RSJ  
checked by VA  
plot scale 1/8"=1'-0"

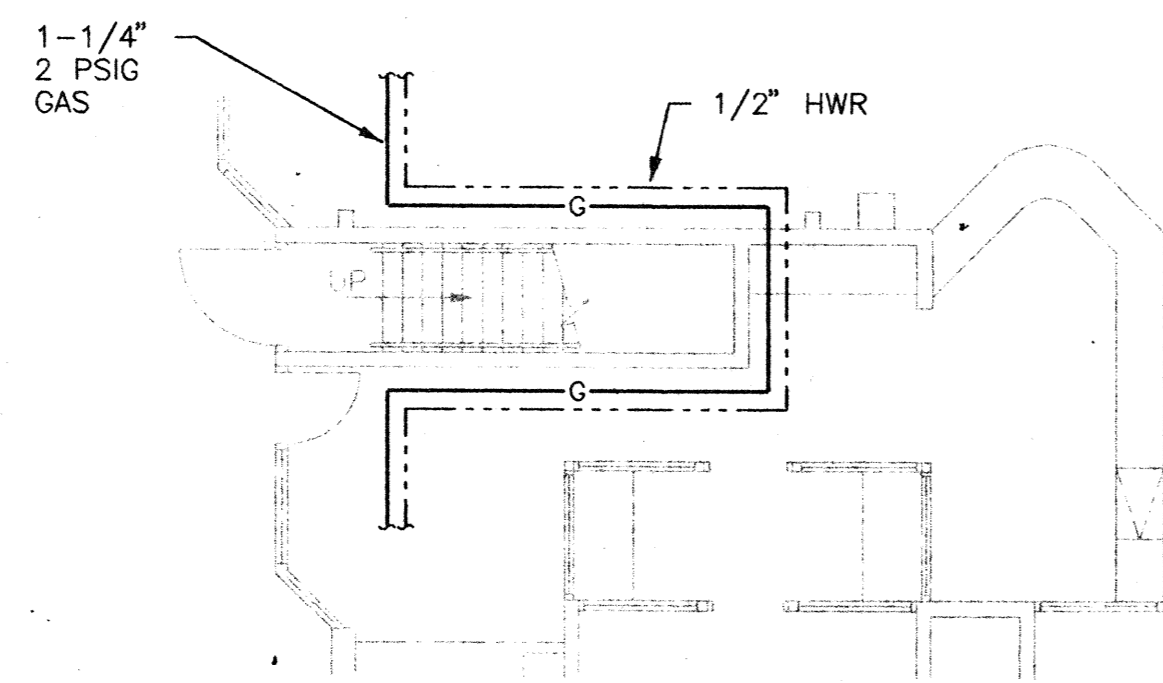
**SWIMMING POOL  
FOR THE  
CITY OF WOODBURN**  
WOODBURN, OREGON

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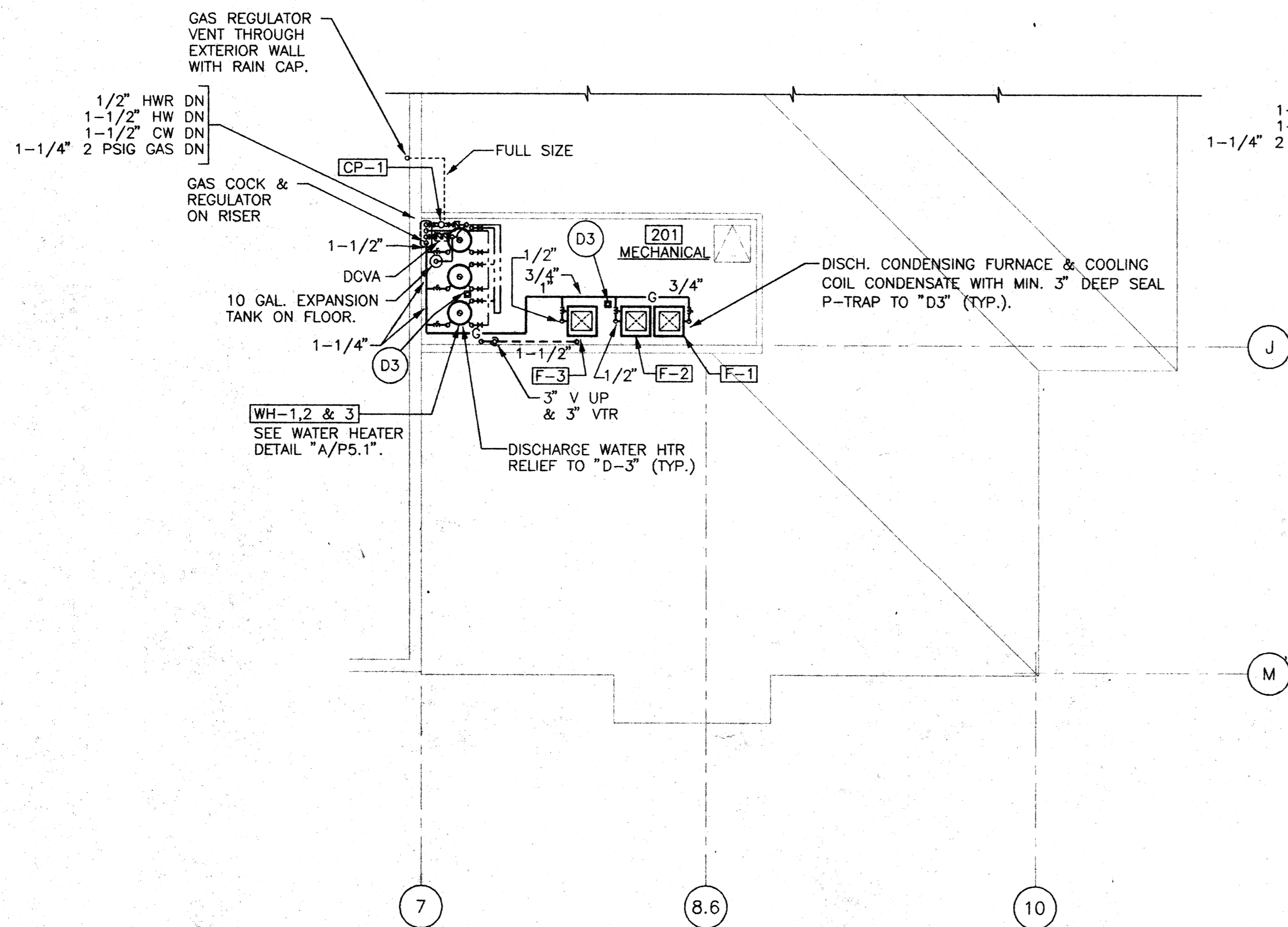
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FIRST FLOOR  
PLAN -  
PLUMBING -  
ABOVE GROUND

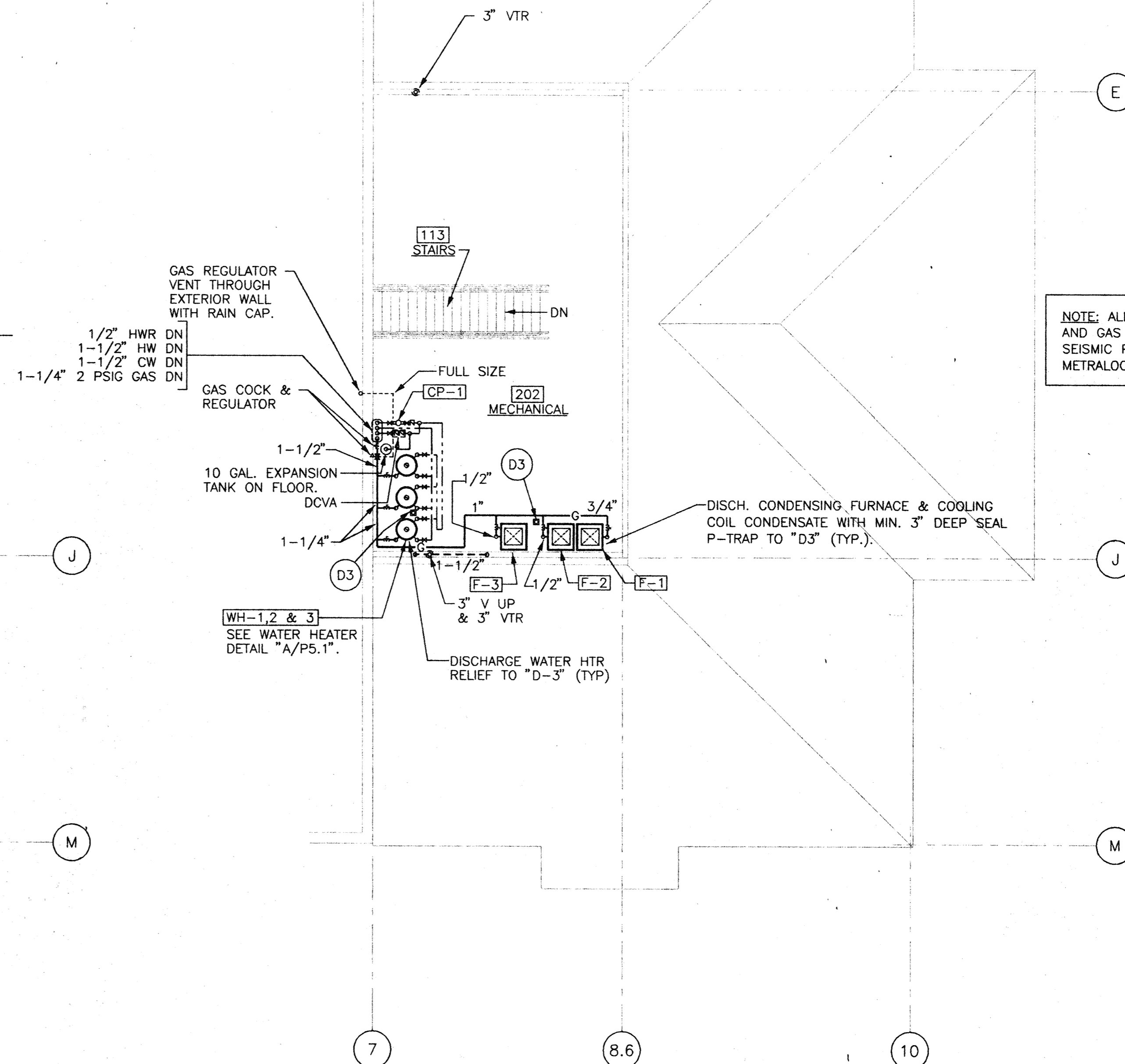
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**P2.2**  
OF 7



STAIR PLAN (ALTERNATE NO. 1) **C**  
SCALE: 1/8" = 1'-0" **P2.3**

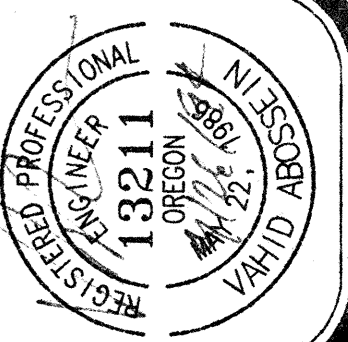


SECOND FLOOR PLAN (BASE BID) **A**  
SCALE: 1/8" = 1'-0" **P2.3**



SECOND FLOOR PLAN (ALTERNATE NO. 1) **B**  
SCALE: 1/8" = 1'-0" **P2.3**

NOTE: ALL GAS EQUIPMENT TO HAVE DIRT LEG, UNION AND GAS COCK. CONN. TO EACH UNIT SHALL BE WITH SEISMIC PROTECTED FLEXIBLE CONN. EQUAL TO METRALOOP BY METRAFLEX, INC. (TYP.).



job no. 9431  
date 09/29/94  
scale 1/8" = 1'-0"  
drawn by RSJ  
checked by VA  
plot scale 1/8" = 1'-0"

SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON

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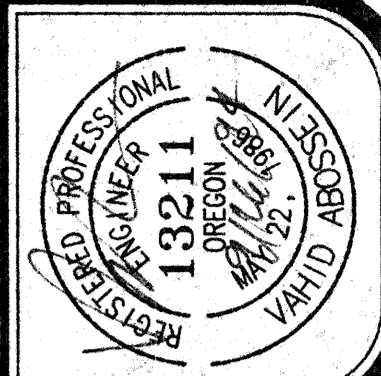
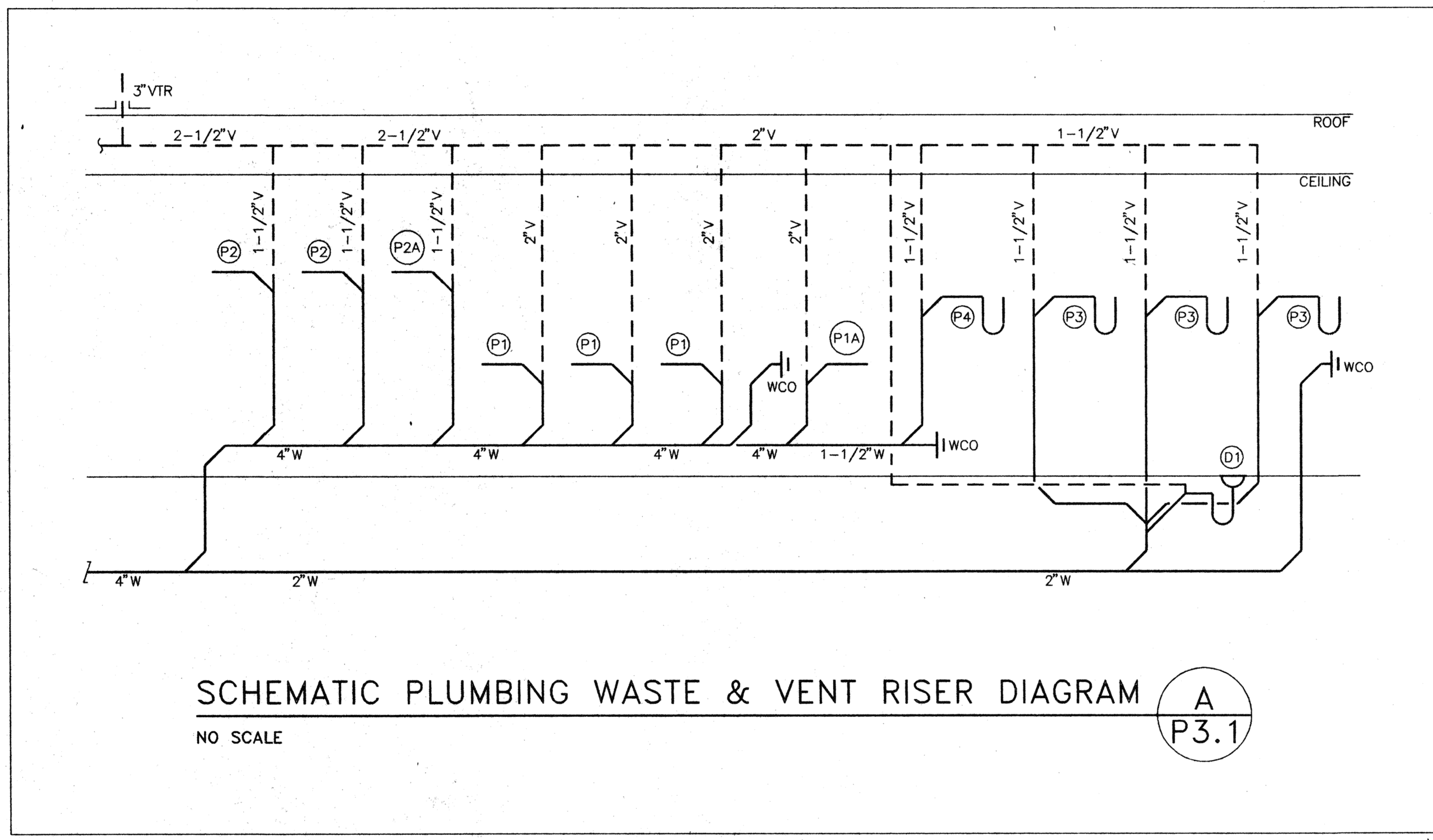
SECOND FLOOR PLAN - PLUMBING

sheet **P2.3**



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job no. 9431  
 date 09/29/94  
 scale 1/8" = 1'-0"  
 drawn by RSJ  
 checked by VA  
 plot scale 1/8" = 1'-0"

SWIMMING POOL  
 FOR THE  
 CITY OF WOODBURN  
 WOODBURN, OREGON

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PLUMBING  
 RISER  
 DIAGRAM -  
 WASTE  
 AND VENT

sheet  
**P3.1**

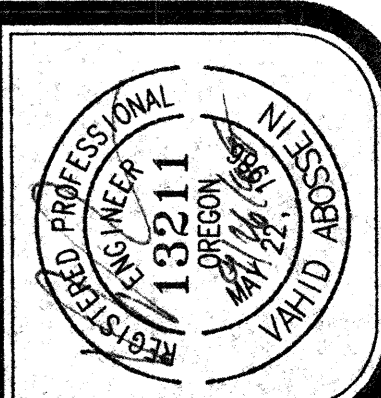
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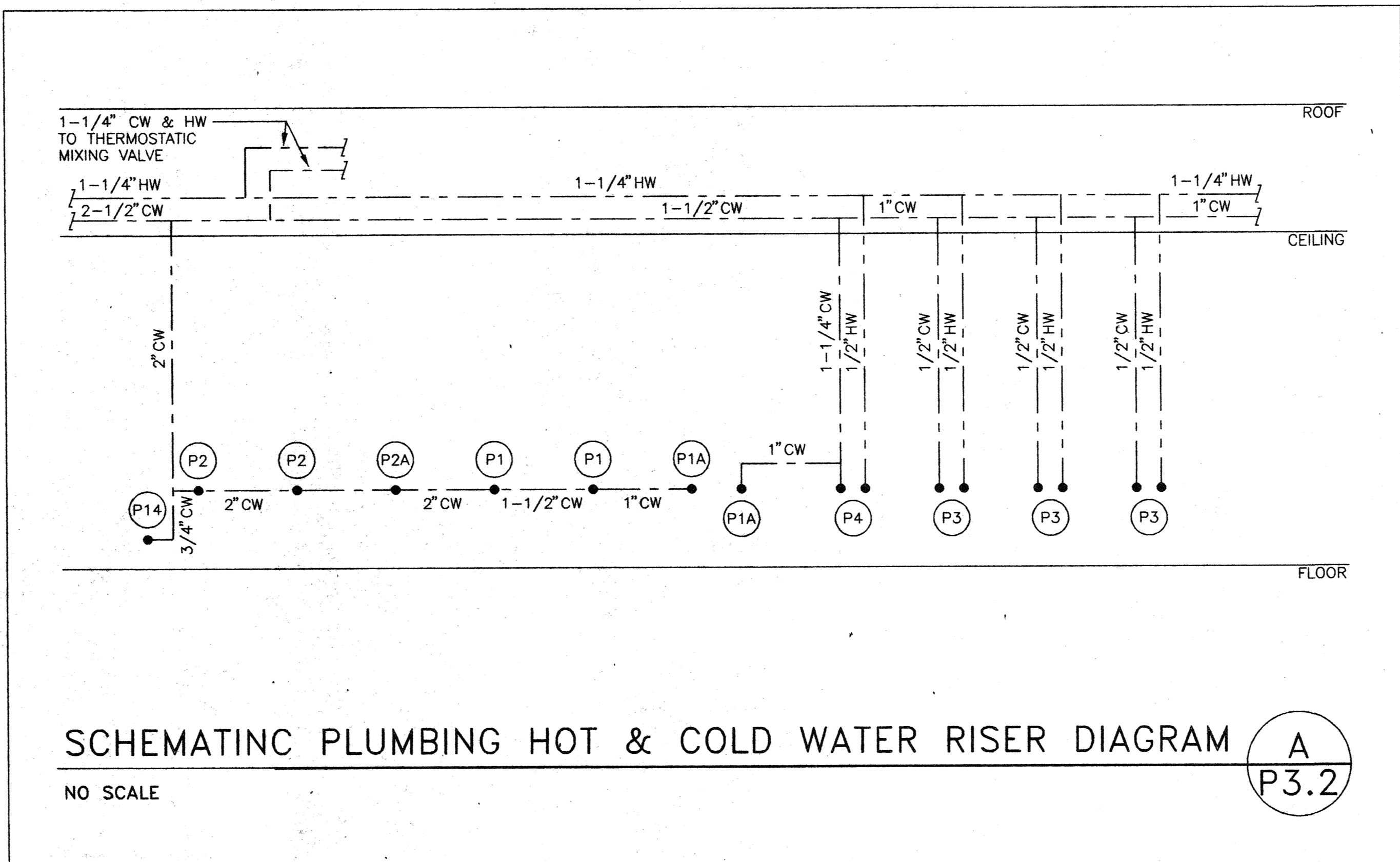
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checked by	VA
plot scale	1/8" = 1'-0"

SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON

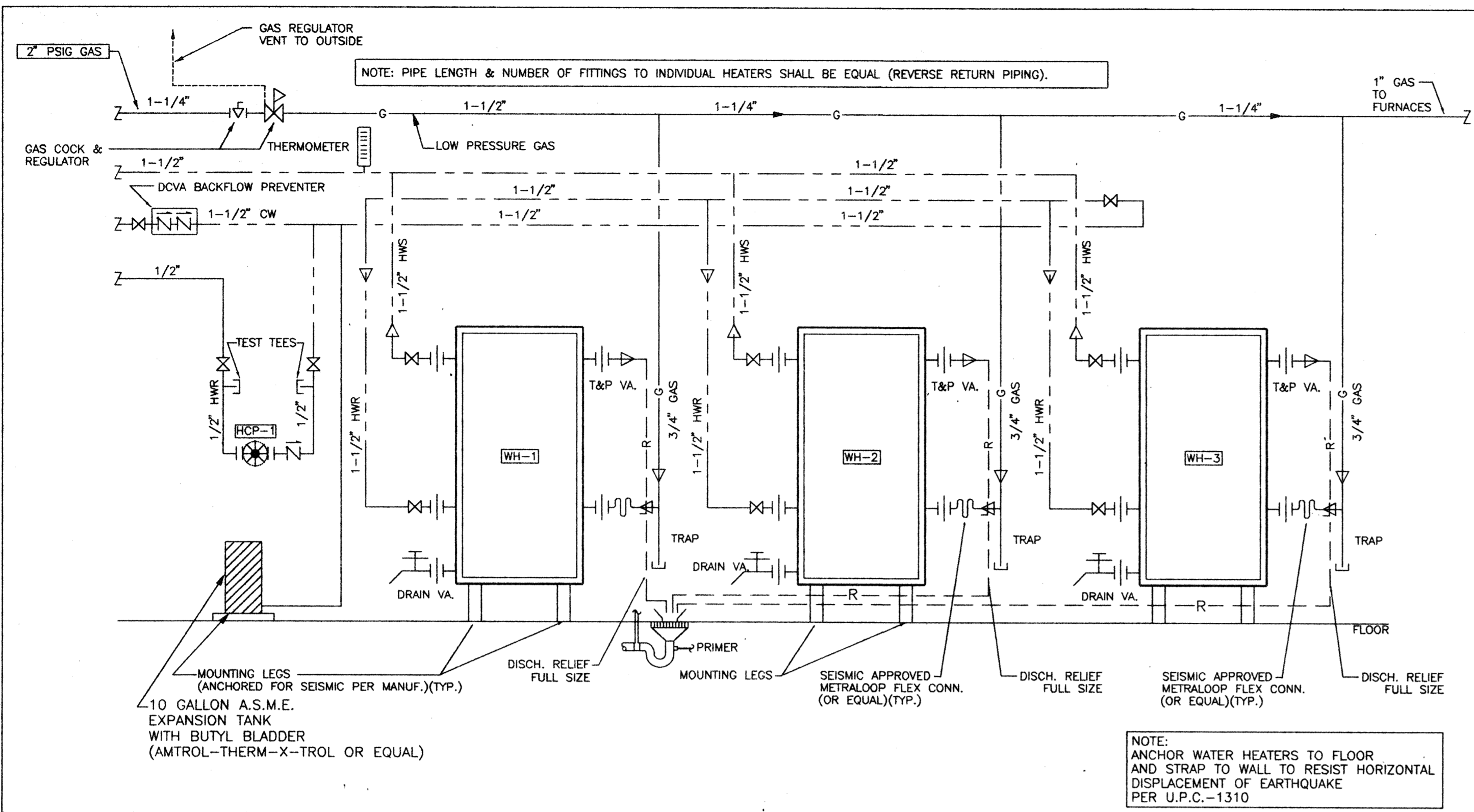
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PLUMBING  
RISER  
DIAGRAM -  
WATER

sheet  
**P3.2**  
OF 7



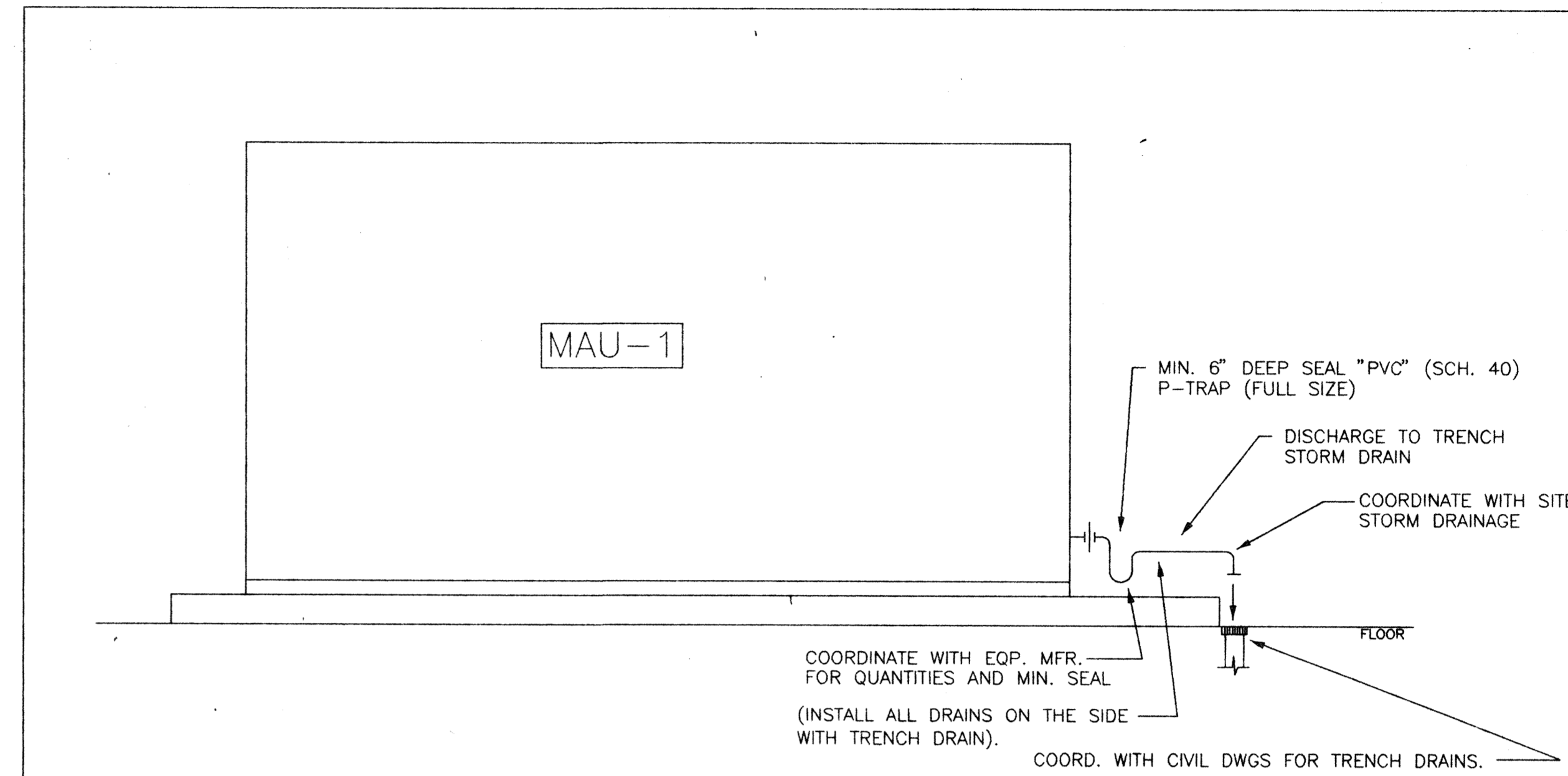
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DOMESTIC WATER HEATERS DETAIL

NO SCALE

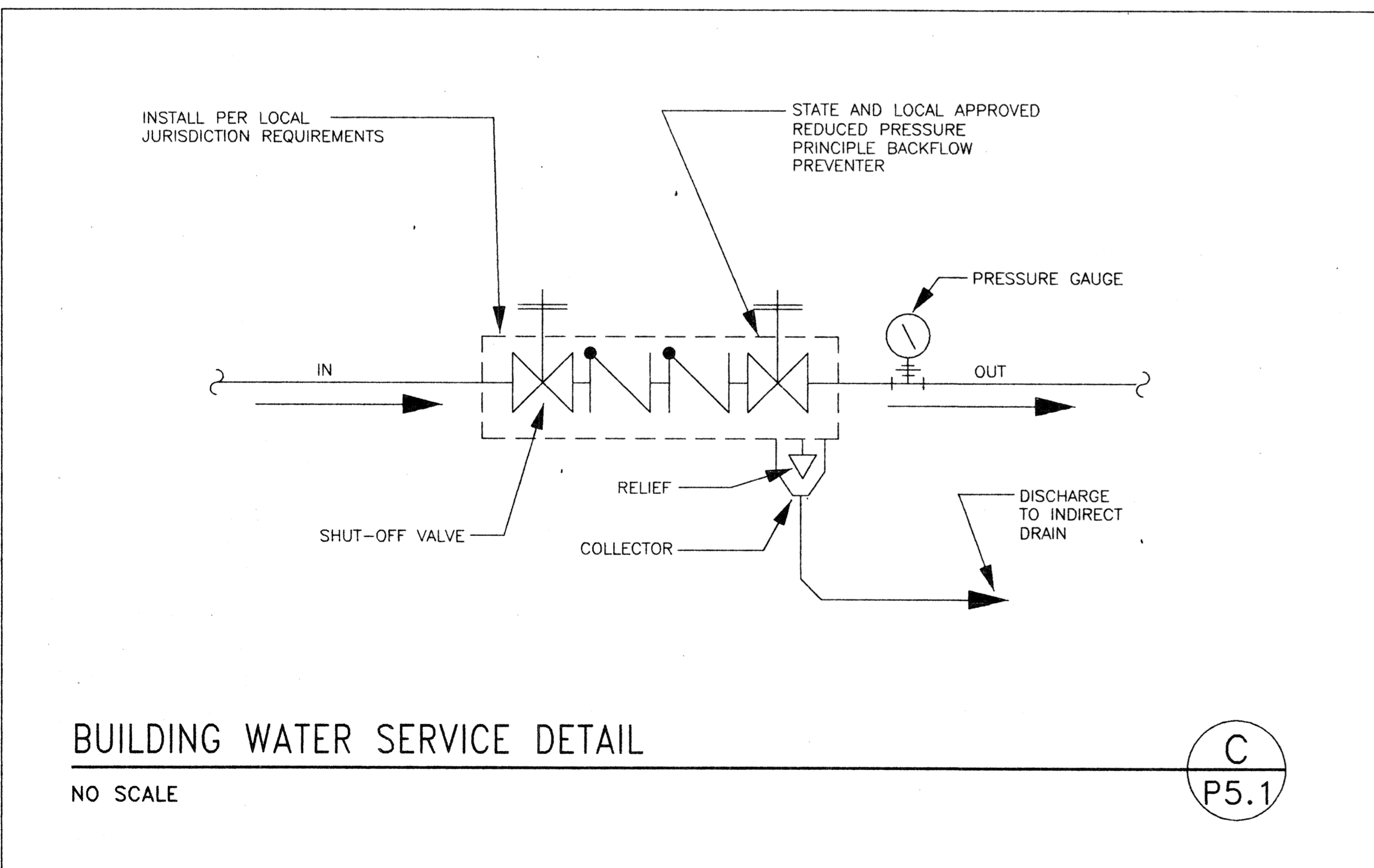
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P5.1



MAU-1 SCHEMATIC DETAIL

NO SCALE

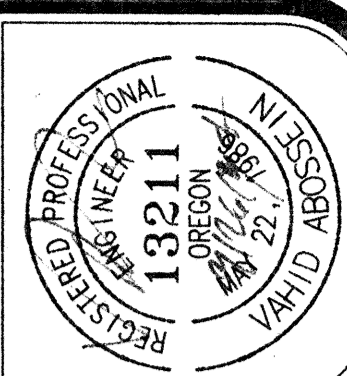
B  
P5.1



BUILDING WATER SERVICE DETAIL

NO SCALE

C  
P5.1



job no. 9431  
date 09/29/94  
scale 1/8"=1'-0"  
drawn by RSJ  
checked by VA  
plot scale 1/8"=1'-0"

SWIMMING POOL  
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CITY OF WOODBURN  
WOODBURN, OREGON

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DETAILS

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sheet  
P5.1  
OF 7



**GENERAL NOTES:**

- COMPLETE INSTALLATION OF THE MECHANICAL SYSTEM SHALL BE PER THE STATE OF OREGON'S BUILDING, MECHANICAL, ENERGY, PLUMBING, FIRE AND HEALTH CODES AND REGULATIONS AS ADOPTED BY THE LOCAL JURISDICTIONS.
- MECHANICAL CONTRACTOR SHALL COORDINATE DIFFUSER LOCATIONS AND DUCT ROUTING CLEARANCES WITH THE STRUCTURAL, REF. CLG. & LIGHTING PLANS.
- MAKE PROVISIONS FOR REMOVAL OF FILTER FOR ALL UNITS.
- ALL DUCTWORK AND PIPING OUTSIDE OF MECHANICAL ROOMS AND POOL ROOM SHALL BE CONCEALED.
- ALL 90 DEG. TRUNK DUCT ELBOWS SHALL BE SMOOTH-ROUND OR SQUARE WITH TURNING VANES.
- MAXIMUM LENGTH OF FLEXIBLE DUCTS SHALL BE AS SHOWN ON DRAWINGS.
- ALL GAS EQUIPMENT SHALL BE INSTALLED PER THEIR LISTINGS, LOCAL CODES AND N.F.P.A. #54.
- ALL ROOF PENETRATIONS SHALL BE WITHIN THE AREAS APPROVED BY ARCHITECT AND STRUCTURAL.
- MECHANICAL CONTRACTOR SHALL PAY FOR AND OBTAIN ALL REQUIRED PERMITS AND CERTIFICATES REQUIRED BY THE AUTHORITIES HAVING JURISDICTION.
- ADJUST ALL EQUIPMENT AND PERFORM A COMPLETE AIR-BALANCING AND PUT ALL MECHANICAL SYSTEMS IN OPERATION. SUBMIT AIR BALANCING REPORTS FOR ENGINEER'S REVIEW. SEE SPEC.-15896 FOR EXTENDED WARRANTY & 90 DAYS REBALANCING DETAILS.
- HVAC NOTES:
  - PROVIDE FLEXIBLE CONNECTION IN ALL DUCTS CONNECTING TO AIR MOVING EQUIPMENT AS CLOSE TO FAN AS POSSIBLE. FLEXIBLE CONNECTION SHALL CONSIST OF 6" OR MORE OF AIR TIGHT, FIRE PROOF FLEXIBLE NEOPRENE COATED WOVEN FIBROUS GLASS MATERIAL. VENT FABRICS, INC. OR APPROVED EQUAL.
  - ALL DUCTWORK INSIDE POOL AND LOCKER ROOMS SHALL BE ALUMINUM FOR CORROSION PROTECTION. ALL OTHER DUCTWORK SHALL BE GALVANIZED SHEET METAL. ALL EXPOSED POOL DUCTWORK SHALL BE PAINTED BY G.C. (COORD. WITH ARCH'L). SOUNDLINE RECTANGULAR SUPPLY DUCTS WITHIN 10 FEET FROM THE UNIT OPENINGS.
  - ALL SUPPLY FLEXIBLE DUCTS SHALL BE CONSTRUCTED OF DOUBLE LAMINATION OF POLYESTER ENCAPSULATED STEEL WIRE HELIX FOR INNER CORE HIGH DENSITY FIBERGLASS INSULATION AND GRAY POLYESTER FILM WITH SPIRAL REINFORCEMENTS EQUAL TO "AT00-70 SERIES" (MIN. POS. PRESS. = 6" W.G., NEG. PRESS. = 0.75" W.C.).
  - ALL MECHANICAL EQUIPMENT SHALL CONFORM TO SMACNA & LOCAL REGULATIONS FOR SEISMIC RESTRAINT (INCL. PIPING & DUCTWORK).
  - PROVIDE LOCKABLE VOLUME DAMPERS IN ALL AIR DISTRIBUTION OUTLETS AS SHOWN ON DRAWINGS.
  - DUCT HANGERS, SUPPORTS AND METHODS OF INSTALLATION SHALL CONFORM TO ASHRAE & SMACNA RECOMMENDATIONS (LATEST EDITION).
  - DUCT SIZES SHOWN ON PLANS INDICATE INSIDE FREE AREA.
  - ALL DUCTWORK SHALL BE CLASS-I AIR DUCT AS APPROVED BY U.L. - 181.
- MAU-1 UNIT SHALL HAVE DUCT/SMOKE DETECTORS IN SUPPLY AND RETURN DUCTS AS REQUIRED BY THE JURISDICTIONS. UNIT SHALL SHUT DOWN UPON SMOKE DETECTION (COORDINATE WITH ELEC'L. FOR FIRE ALARM PRIOR TO BIDDING)

**EXHAUST FAN SCHEDULE**

<b>DESIGNATION:</b>	EF-1
<b>ZONE:</b>	JANITOR
<b>MANUFACTURER:</b>	GREENHECK
<b>MODEL:</b>	SP-108
<b>TYPE:</b>	CEILING
<b>DRIVE:</b>	DIRECT
<b>CFM:</b>	78
<b>E.S.P. (IN-H2O):</b>	0.25"
<b>RPM:</b>	-----
<b>AMPS:</b>	0.45
<b>VOLTAGE:</b>	115
<b>PHASE:</b>	1
<b>WEIGHT:</b>	-----
<b>REMARKS:</b>	(1) (2)

(1) CONTROLLED WITH LIGHT SWITCH.  
(2) WITH CEILING RADIATION FIRE DAMPER.

**BUILDING PRESSURIZATION AIR SCHEDULE**

DESIGNATION	A/C UNIT TOTAL CFM	A/C UNIT MIN. O.S.A. CFM	EXHAUST CFM	MAKE-UP AIR CFM	REMARKS
MAU-1	-----	-----	34,000	30,000	
F-1	1865	300	-----	-----	
F-2	1235	300	-----	-----	
F-3	1235	300	-----	-----	
EF-1	-----	-----	50	-----	
TOTAL:	4335	900	34050	30000	BUILDING AT +(-) 10% NEG.

**GAS CONDENSING FURNACE SCHEDULE**

DESIGNATION:	F-1	F-2	F-3
<b>ZONE:</b>	LOBBY	MEN	WOMEN
<b>MANUFACTURER:</b>	CARRIER	CARRIER	CARRIER
<b>MODEL:</b>	58MXA080-20	58MXA040-12	58MXA040-12
<b>TYPE:</b>	UPFLOW	UPFLOW	UPFLOW
<b>GAS TYPE:</b>	NAT.	NAT.	NAT.
<b>OUTPUT (MBH):</b>	74.4	37.2	37.2
<b>AFUE:</b>	92%	92%	92%
<b>FAN (HP):</b>	1/2	1/3	1/3
<b>CFM:</b>	1865	1235	1235
<b>E.S.P. (IN-H2O):</b>	0.4"	0.4"	0.4"
<b>VOLTAGE:</b>	115	115	115
<b>PHASE:</b>	1	1	1
<b>WEIGHT (LBS):</b>	175	152	152
<b>REMARKS:</b>	(1)(2)	(1)(2)	(1)(2)

(1) WITH SIDE FILTER RACK, FILTER AND WALL MOUNTED COMBUSTION & FLUE VENT KITS.  
(2) WITH CARRIER-31KAX-016 ELECTRONIC AIR CLEANER (120V/1PH).

**MAKE-UP AIR UNIT SCHEDULE (WITH AIR/AIR H-X)**

<b>DESIGNATION:</b>	MAU-1
<b>ZONE:</b>	POOL
<b>MANUFACTURER:</b>	DES CHAMPS LABORATORIES INC. (DLI)
<b>MODEL:</b>	Z-DUCT-PV32
<b>DISCHARGE:</b>	TOP SUPPLY & RETURN
<b>SUPPLY CFM:</b>	30,000
<b>SUPPLY E.S.P. (IN-H2O):</b>	1.5"
<b>SUPPLY FAN HP:</b>	40
<b>EXHAUST CFM:</b>	34,000
<b>EXHAUST E.S.P. (IN-H2O):</b>	1.5"
<b>EXHAUST FAN HP:</b>	40
<b>DESIGN OUTDOOR TEMP. (WINTER)(F):</b>	17
<b>DESIGN OUTDOOR TEMP. (SUMMER)(F):</b>	82
<b>MIN. TEMP. RISE FROM EXH. TO SUPPLY IN WINTER (MIN. EFF.):</b>	46 (70%)
<b>PAINTS / COATING:</b>	EPOXY COATING ON H-X CORE
<b>DEFROST CONTROL:</b>	NONE
<b>VOLTAGE:</b>	460
<b>PHASE:</b>	3
<b>WEIGHT (LBS):</b>	27,000
<b>REMARKS:</b>	(1)(2)(3)(4)(5)

(1) WITH ALL STANDARD POOL UNIT ACCESSORIES, FEATURES AND PERMANENT WASHABLE FILTERS (ALUMINUM), MOTORIZED SUPPLY AIR, MOTORIZED EXHAUST AND RETURN AIR, HUMIDISTAT AND THERMOSTAT CONTROL (SEE SPEC. - 15759 & 15901).  
(2) WITH 800,000 BTUH INPUT INDIRECT NATURAL GAS FURNACE SECTION (409 S.S. HEAT EXCHANGER).  
(3) WITH MODULATING INLET GUIDE VANES ON EXHAUST FAN TO MAINTAIN NEGATIVE SPACE PRESSURE.  
(4) THIS UNIT IS OWNER FURNISHED AND CONTRACTOR INSTALLED (SEE INSTRUCTION TO BIDDERS, THIS SHEET).  
(5) EQUIPMENT MANUFACTURER SHALL INCLUDE IN HIS COST START-UP AND ASSISTANCE TO THE INSTALLING CONTRACTOR IN ORDER TO VISIT THE SITE AND PROVIDE TECHNICAL ASSISTANCE IN INSTALLATION AND START-UP OF THE SYSTEM AND CONTROL SEQUENCES AND INTERFACES AS REQUIRED FOR A COMPLETE INSTALLATION.

**INDOOR COOLING COIL - OUTDOOR CONDENSING UNIT SCHEDULE**

DESIGNATION:	CC-1	CU-1	CC-2	CU-2	CC-3	CU-3
<b>ZONE:</b>	LOBBY	LOBBY	MEN	MEN	WOMEN	WOMEN
<b>MANUFACTURER:</b>	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER	CARRIER
<b>MODEL:</b>	CD5BA048	38CK048	CD5BA036	38CK036	CD5BA036	38CK036
<b>UNIT:</b>	COIL	COND.	COIL	COND.	COIL	COND.
<b>MATCHING FURNACE:</b>	F-1	F-1	F-2	F-2	F-3	F-3
<b>COOLING • ARI (MBH):</b>	-----	46.0	-----	34.0	-----	34.0
<b>CFM:</b>	1865	-----	1235	-----	1235	-----
<b>E.S.P. (IN-H2O):</b>	0.4"	-----	0.4"	-----	0.4"	-----
<b>SEER:</b>	-----	10.0	-----	10.0	-----	10.0
<b>OUTDOOR FAN (FLA):</b>	-----	0.8	-----	0.8	-----	0.8
<b>COMPRESSOR FLA/LRA:</b>	-----	7.4/49.5	-----	5.3/37.5	-----	5.3/37.5
<b>VOLTAGE:</b>	-----	460	-----	460	-----	460
<b>PHASE:</b>	-----	3	-----	3	-----	3
<b>WEIGHT (LBS):</b>	57	239	43	149	43	149
<b>REMARKS:</b>	-----	(1)	-----	(1)	-----	(1)

(1) WITH THE TIME GUARD, CRANK CASE HTR., FILTER DRIER, HIGH/LOW PRESS. SWITCHES.

**LEGEND**

SYMBOL	ABBREVIATION	DESCRIPTION
⊙	HMDST	HUMIDISTAT
⊕	T*STAT	THERMOSTAT
⊠		DUCTWORK WITH TURNING VANE
⊞		FLEX CONN.
⊟	VD	VOLUME DAMPER
⊠		HARD DUCT
⊞		FLEXIBLE DUCT
⊟		ROUND SPIN-IN WITH V.D.
⊞	CD	CEILING DIFFUSER
⊟	RG	RETURN GRILLE
⊞		AIR DISTRIBUTION TYPE/NO. #7
⊟		PLAN NOTE #A
⊞	FD	FIRE DAMPER
⊟	CFD	CEILING RADIATION FIRE DAMPER

**PLAN INDEX:**

- M0.1 LEGEND, SCHEDULES AND GENERAL NOTES.
- M2.1 1ST. FLOOR PLAN - H.V.A.C.
- M2.2 2ND FLOOR PLAN - H.V.A.C.
- M3.1 SECTIONS.
- M5.1 DETAILS.

**AIR DISTRIBUTION SCHEDULE**

DESIG.	DESCRIPTION	CFM	NECK SIZE	MODEL	REMARKS
1	CD	350	12 X 10	184	PAINTED GALV. STEEL WITH R.C.F.D.
2	CD	350	12 X 10	184	PAINTED GALV. STEEL WITH R.C.F.D.
3	CD	135	8 X 8	6200	PAINTED GALV. STEEL
4	CD	200	8 X 8	6200	PAINTED GALV. STEEL
5	CD	200	8 X 8	6200	PAINTED GALV. STEEL
6	TWR	330	16 X 5	5880H	EXTRUDED ALUMINUM
7	TWR	330	16 X 5	5880H	EXTRUDED ALUMINUM
8	CD	200	8 X 8	6200	PAINTED GALV. STEEL
9	TWR	330	16 X 5	5880H	EXTRUDED ALUMINUM
10	TWR	330	16 X 5	5880H	EXTRUDED ALUMINUM
11	TWR	330	16 X 5	5880H	EXTRUDED ALUMINUM
12	CD	350	12 X 10	184	PAINTED GALV. STEEL WITH R.C.F.D.
13	CD	350	12 X 10	184	PAINTED GALV. STEEL WITH R.C.F.D.
14	TWR	265	16 X 5	5880H	PAINTED GALV. STEEL
15	TWR	265	16 X 5	5880H	PAINTED GALV. STEEL
16	RA	935	24 X 18	580H	PAINTED GALV. STEEL
17	RA	1565	24 X 24	580H	PAINTED GALV. STEEL WITH R.C.F.D.
18	RA	120	8 X 8	580H	PAINTED GALV. STEEL
19	RA	920	24 X 18	580H	PAINTED GALV. STEEL
20	EG	200	12 X 6	580H	PAINTED GALV. STEEL WITH R.C.F.D.
21	EG	80	6 X 6	580H	PAINTED GALV. STEEL WITH R.C.F.D.
22	EG	450	12 X 12	580H	PAINTED GALV. STEEL WITH R.C.F.D.
23	EG	150	12 X 6	580H	PAINTED GALV. STEEL WITH R.C.F.D.
24	EG	200	12 X 6	580H	PAINTED GALV. STEEL WITH R.C.F.D.
25	EG	225	12 X 8	580H	PAINTED GALV. STEEL WITH R.C.F.D.
26	EG	80	6 X 6	580H	PAINTED GALV. STEEL WITH R.C.F.D.
27	EG	225	12 X 8	580H	PAINTED GALV. STEEL WITH R.C.F.D.
28	EG	150	12 X 6	580H	PAINTED GALV. STEEL WITH R.C.F.D.
29	EG	900	18 X 18	5580	EXTRUDED ALUMINUM
30	EG	2700	36 X 24	5580	EXTRUDED ALUMINUM
31	EG	2520	36 X 24	5580	EXTRUDED ALUMINUM
32	EG	2520	36 X 24	5580	EXTRUDED ALUMINUM
33	EG	2700	36 X 24	5580	EXTRUDED ALUMINUM
34	EG	2700	36 X 24	5580	EXTRUDED ALUMINUM
35	EG	2520	36 X 24	5580	EXTRUDED ALUMINUM
36	EG	2700	36 X 24	5580	EXTRUDED ALUMINUM
37	EG	2520	36 X 24	5580	EXTRUDED ALUMINUM
38	EG	2700	36 X 24	5580	EXTRUDED ALUMINUM
39	EG	2520	36 X 24	5580	EXTRUDED ALUMINUM
40	EG	2700	36 X 24	5580	EXTRUDED ALUMINUM
41	EG	2520	36 X 24	5580	EXTRUDED ALUMINUM
42	SR	1875	48 X 12	5880H	EXTRUDED ALUMINUM
43	SR	1875	48 X 12	5880H	EXTRUDED ALUMINUM
44	SR	1875	48 X 12	5880H	EXTRUDED ALUMINUM
45	SR	1875	48 X 12	5880H	EXTRUDED ALUMINUM
46	SR	1875	48 X 12	5880H	EXTRUDED ALUMINUM
47	SR	1875	48 X 12	5880H	EXTRUDED ALUMINUM
48	SR	800	24 X 12	5880H	EXTRUDED ALUMINUM
49	SR	1875	48 X 12	5880H	EXTRUDED ALUMINUM
50	SR	1875	48 X 12	5880H	EXTRUDED ALUMINUM
51	SR	1875	48 X 12	5880H	EXTRUDED ALUMINUM
52	SR	1875	48 X 12	5880H	EXTRUDED ALUMINUM
53	SR	1875	48 X 12	5880H	EXTRUDED ALUMINUM
54	SR	1875	48 X 12	5880H	EXTRUDED ALUMINUM
55	SR	1875	48 X 12	5880H	EXTRUDED ALUMINUM
56	SR	1875	48 X 12	5880H	EXTRUDED ALUMINUM
57	LVR	-----	48 X 32	L445	UPPER LOUVER
58	LVR	-----	48 X 32	L445	LOWER LOUVER
59	SR	1875	48 X 12	5880H	EXTRUDED ALUMINUM
60	SR	1875	48 X 12	5880H	EXTRUDED ALUMINUM

**NOTES:**

- CEILING DIFFUSERS, REGISTERS AND GRILLES SHALL BE KRUEGER OR EQUAL, LOUVERS SHALL BE WONDER METAL OR EQUAL.
- CD=CEILING DIFFUSER, RG=RETURN GRILLE, SR=SUPPLY REGISTER, TWR=TOP WALL REGISTER, LVR=LOUVER, EG=EXHAUST GRILLE.
- ALL AIR DISTRIBUTION OUTLETS SHOWN WITHOUT VOLUME DAMPERS AND ALL POOL AND LOCKER ROOM AIR DIST. SHALL HAVE OPPOSED BLADE VOLUME CONTROL DAMPERS.
- ALL AIR DISTRIBUTION SHALL BE PAINTED GALV. STEEL AND EXTRUDED ALUMINUM CONSTRUCTION FOR CORROSION PROTECTION (PER ABOVE).
- R.C.F.D. = RADIATION CEILING FIRE DAMPER.
- GALVANIZED STEEL AIR DISTRIBUTION OUTLETS SHALL HAVE FACTORY PAINTED FINISH WARRANTED AGAINST CORROSION IN CHLORINATED (POOL) AGGRESSIVE ATMOSPHERES. (COLOR AS SELECTED BY ARCH.)

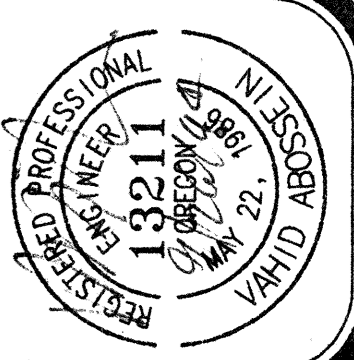
**INSTRUCTION TO BIDDERS:**

- COORDINATE WITH INSTRUCTION TO BIDDER'S OF THE BID PACKAGE OF ARCHITECTURAL FOR ALTERNATES AND OTHER REQUIREMENTS.
- MAU-1 SHALL BE FURNISHED AND DELIVERED TO SITE BY OWNER. CONTRACTOR SHALL BE RESPONSIBLE TO UNCRATE, STORE, PROTECT, RELOCATE TO FINAL LOCATION, INSTALL AND MAKE ALL REQUIRED INTERFACES, PIPING, DUCTWORK, CONTROL, ETC. FOR A COMPLETE AND FINISHED WORK; OPERATING AND READY FOR THE OWNER'S BENEFICIAL USE.

**Abossein Engineering Corp.**

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Job no. 9431  
date 09/29/94  
scale 1/8"=1'-0"  
drawn by RSJ/GRW  
checked by VA  
plot scale 1/8"=1'-0"

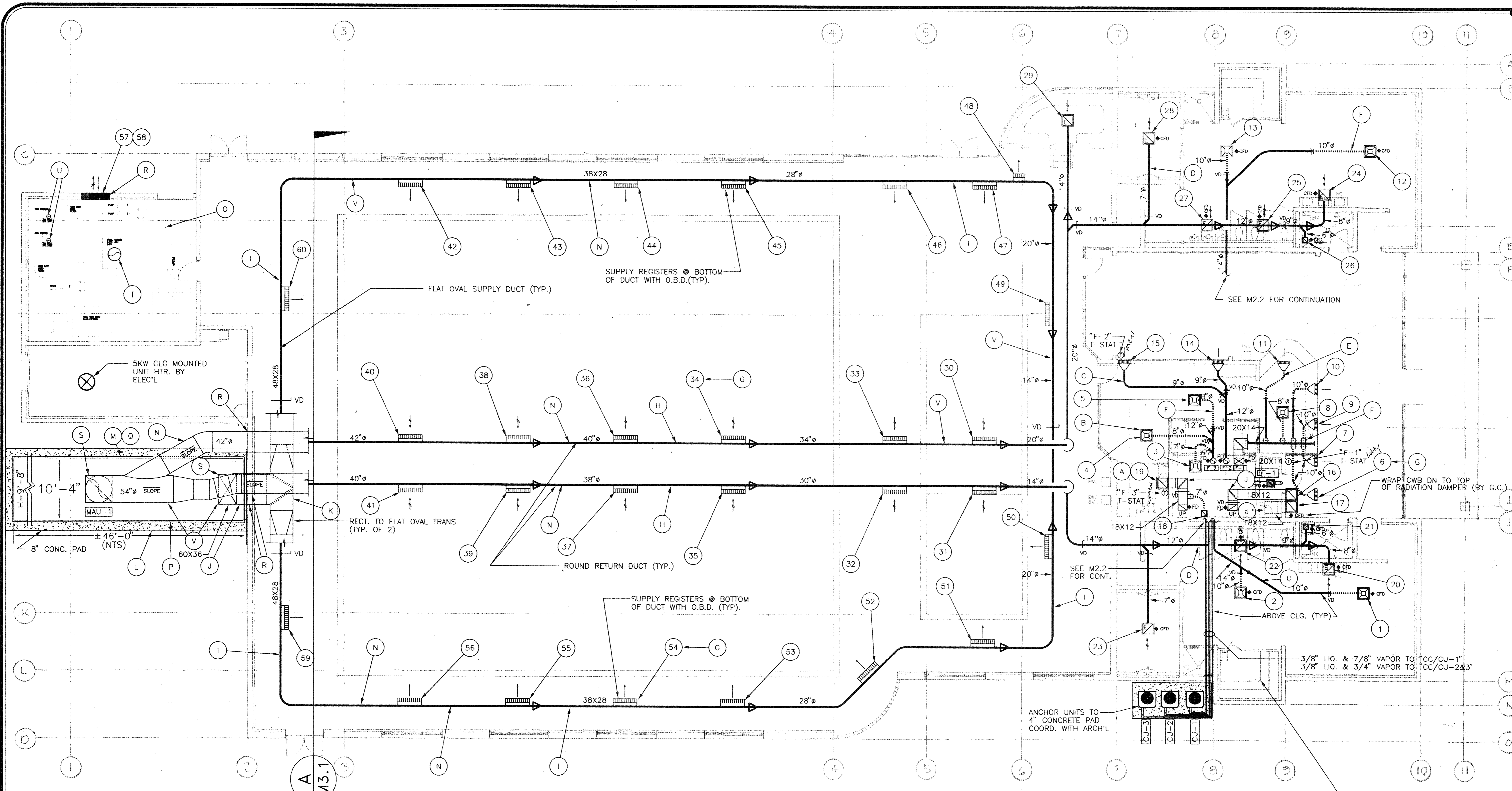
**SWIMMING POOL FOR THE CITY OF WOODBURN WOODBURN, OREGON**

**LAURENCE E. MATSON ARCHITECT . A.I.A.**  
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GENERAL NOTES, LEGEND AND SCHEDULES

sheet **MO.1** of 5



**PLAN NOTES:**

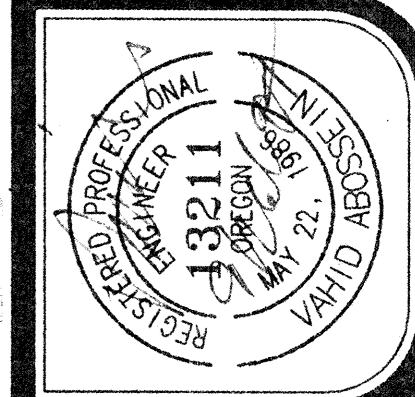
- |   |   |
|---|---|
| <p>A) CEILING RETURN GRILLE, SEE DETAIL ON SHT. "M5.1" (TYP.)</p> <p>B) CEILING DIFFUSER, SEE DETAIL ON SHT. "M5.1" (TYP.)</p> <p>C) SMOOTH RIGID DUCT (TYP.)</p> <p>D) VERIFY &amp; COORD. EXACT LOCATION AND ROUTING OF DUCTWORK WITH STRUC'L., CLG., LIGHTS AND AT SITE (TYP.)</p> <p>E) FLEXIBLE DUCT (TYP.)</p> <p>F) SPIN-IN VOLUME DAMPER (TYP.)</p> <p>G) SEE AIR DIST. SCHEDULE, ON SHT. "M01" (TYP.)</p> <p>H) EXPOSED PAINTED SPIRAL DUCT THROUGH TYRUSSES. COORD. WITH STRUC'L. (TYP.)</p> <p>I) EXPOSED PAINTED SPIRAL DUCT AT BOTTOM OF TRUSSES. COORD. WITH STRUC'L. (TYP.)</p> <p>J) 1" SOUNDLINED (S.L.) DUCT (TYP.)</p> <p>K) ELBOW TRANSITION WITH TURNING VANE.</p> <p>L) 8" CONCRETE PAD BY G.C. (COORD. WITH ARCH'L.)</p> | <p>M) ANCHOR UNIT TO FLOOR FOR SUPPORT &amp; SEISMIC RESTRAINING AS RECOMMENDED BY MANUFACTURER &amp; COORD. WITH STRUC'L.</p> <p>N) SLOPE ALL EXH. AND SUPPLY DUCTWORK BACK TO UNIT FOR DRAINAGE (TYP.)</p> <p>O) COORD. WITH POOL DRAWINGS FOR POOL MECH. EQUIP. (TYP.)</p> <p>P) INSTALL UNIT IN STRICT ACCORDANCE PER THE MANUFACTURERS RECOMMENDATIONS &amp; LISTINGS.</p> <p>Q) SEE DETAIL "B/P5.1".</p> <p>R) COORDINATE STRUCTURAL WALL OPENINGS WITH G.C. &amp; STRUC'L. (TYP.)</p> <p>S) CONNECT DUCTWORK WITH FLEXIBLE CONNECTIONS AND TRANSITION TO UNIT OPENING (TYP.)</p> <p>T) 24" O TYPE-B DOUBLE WALL FLUE UP TO LISTED ROOF CAP. COORDINATE ROOF OPENING WITH STRUC. MAINTAIN CLEARANCE FROM COMBUSTIBLE MATERIALS PER THE FLUE'S U.L. LISTINGS. (TYP.)</p> <p>U) 7" O TYPE-B DOUBLE WALL FLUE UP TO LISTED ROOF CAP. COORDINATE ROOF OPENING WITH STRUC'L. MAINTAIN CLEARANCE FROM COMBUSTIBLE MATERIALS PER THE FLUE'S U.L. LISTINGS. (TYP.)</p> <p>V) PAINTED ALUMINUM DUCTWORK (TYP.)</p> |
|---|---|

**FIRST FLOOR PLAN - HVAC**

SCALE: 1/8"=1'-0"

- NOTES:
- 1) RATED 1-HOUR ROOF/CEILING ASSEMBLY AIR DISTRIBUTION OUTLETS SHALL HAVE CEILING RADIATION FIRE DAMPERS (TYP.)
  - 2) ALL DUCTWORK PENETRATING THE 2ND FLOOR SHALL BE FIRE DAMPERED.
  - 3) INSTALL ACCESS DOORS FOR ALL FIRE DAMPERS (NOT RADIATION DAMPERS).
  - 4) SEE SPEC. - 15250 FOR DUCTWORK INSULATION.

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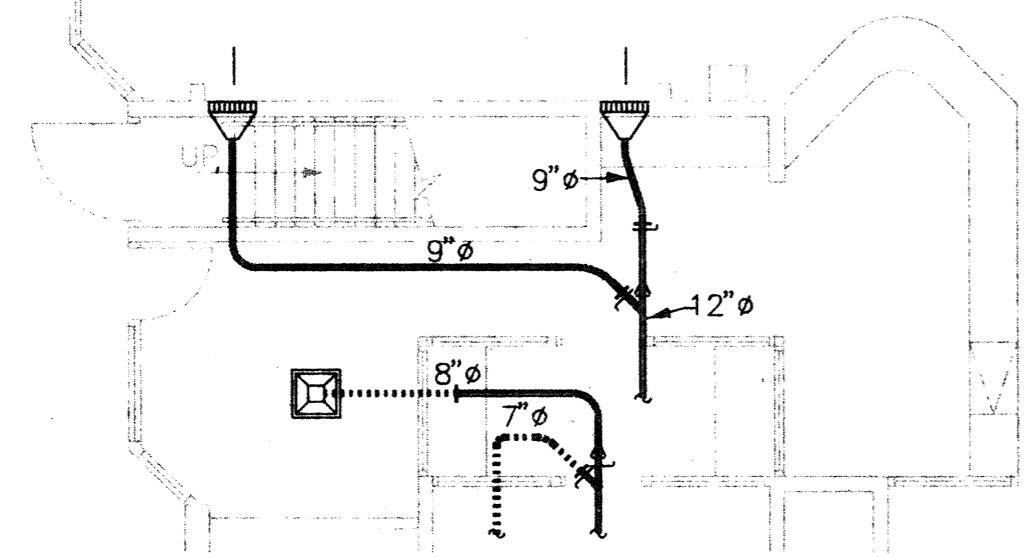
job no. 9431  
 date 09/29/94  
 scale 1/8"=1'-0"  
 drawn by RSL/GRW  
 checked by VA  
 plot scale 1/8"=1'-0"

**SWIMMING POOL FOR THE CITY OF WOODBURN**  
 WOODBURN, OREGON

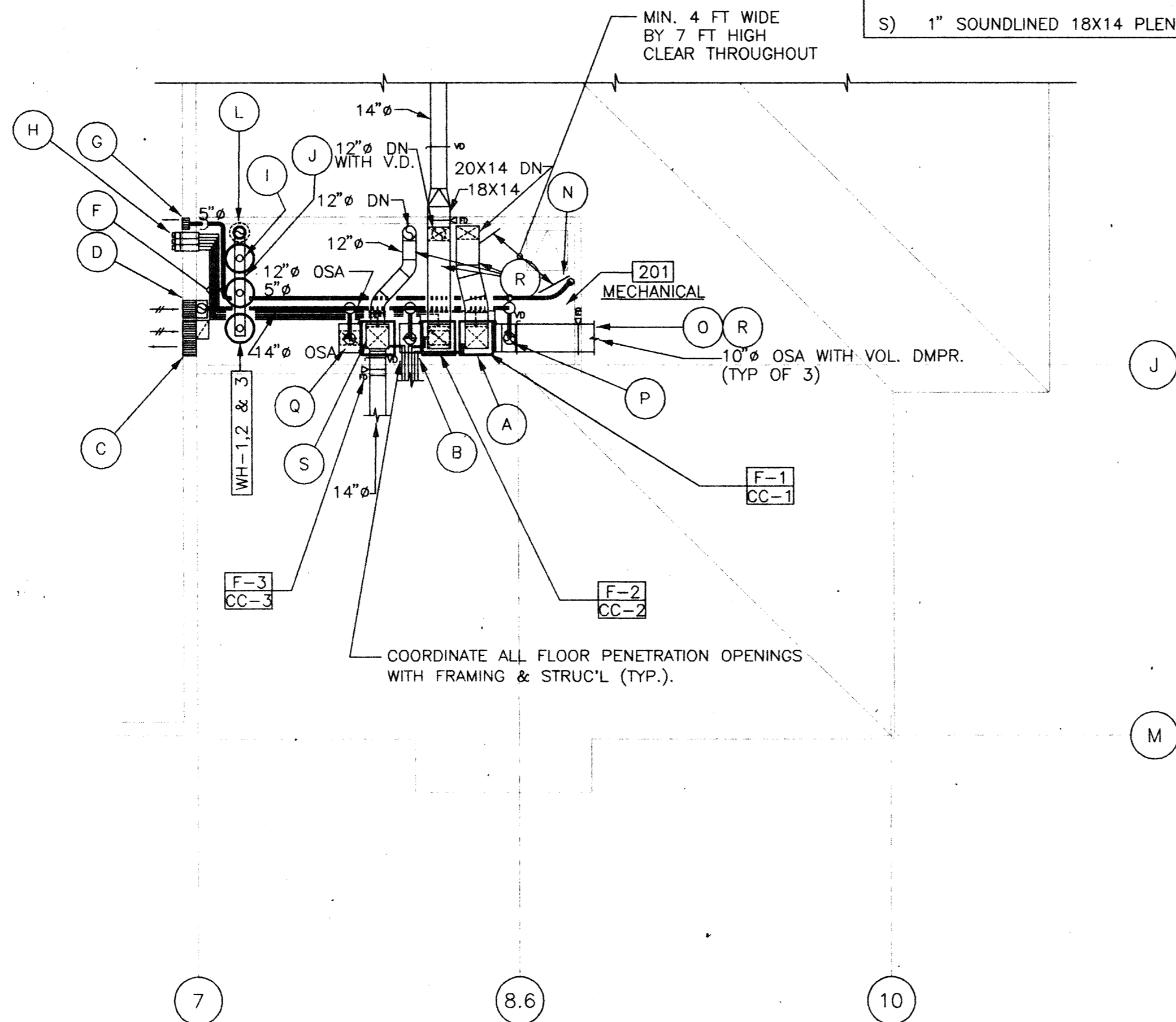
**LAWRENCE E. MATSON ARCHITECT, A.I.A.**  
 14042 NE 8TH STREET, SUITE 101  
 BELLEVUE, WASHINGTON 98007  
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FIRST FLOOR PLAN - HVAC

sheet **M2.1**  
 of 5



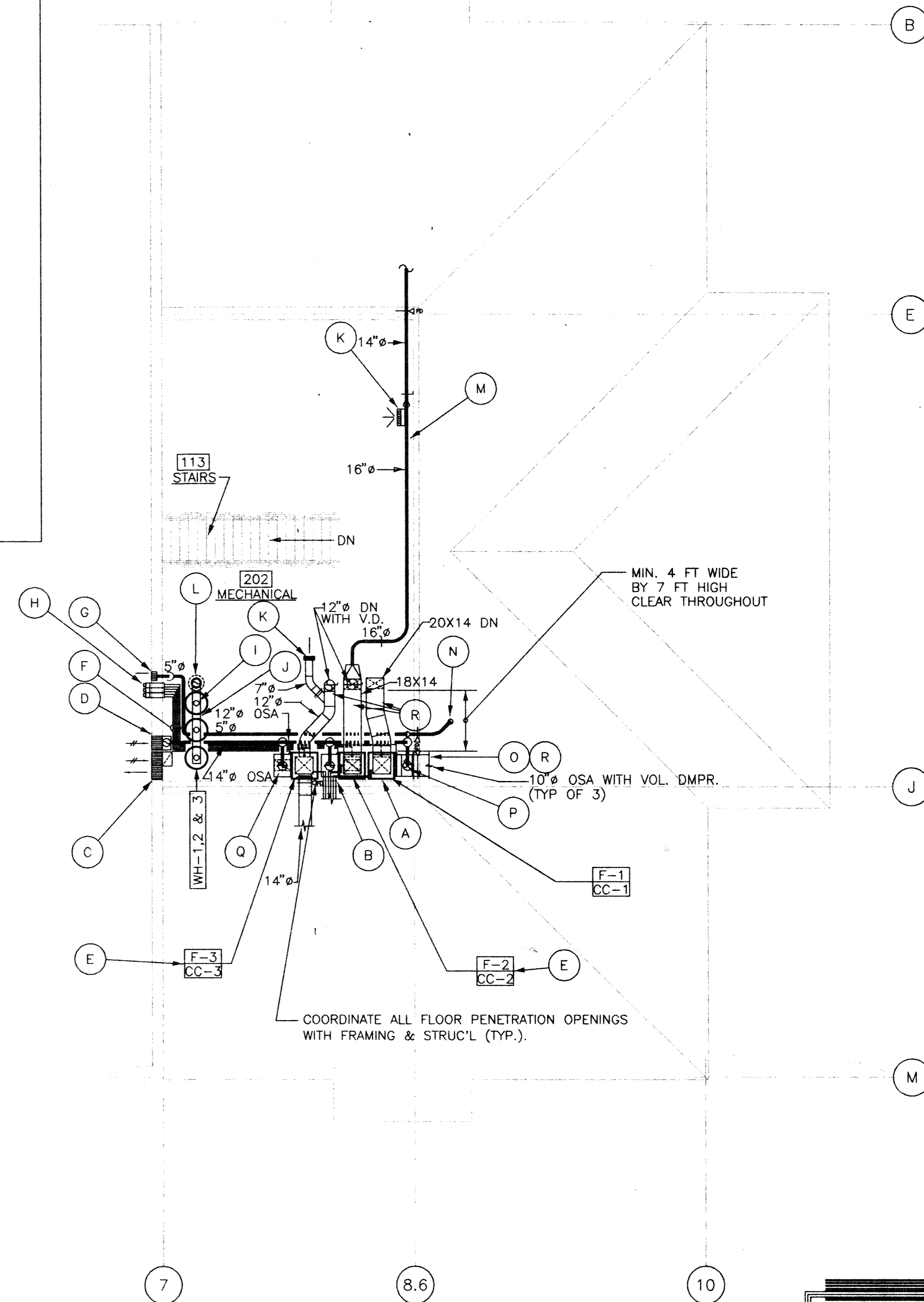
STAIR PLAN (ALTERNATE NO. 1) **C**  
SCALE: 1/8"=1'-0" **M2.2**



SECOND FLOOR PLAN (BASE BID) **A**  
SCALE: 1/8"=1'-0" **M2.2**

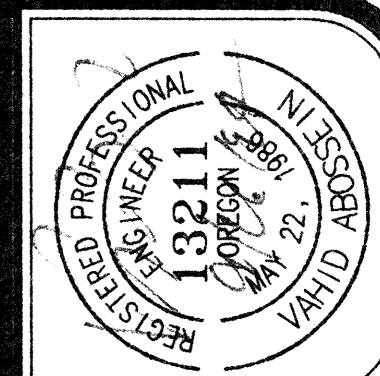
**PLAN NOTES:**

- A) DISCHARGE CONDENSATE FROM CONDENSING FURNACE AND COOLING COIL DRAINS TO FLOOR DRAIN (TYP.).
- B) 3/8" LIQ. & 7/8" VAPOR TO "CC-1", 3/8" LIQ. & 3/4" VAPOR TO "CC-2 & 3".
- C) 30 X 20 COMBUSTION AIR LOUVER, 15 X 20 OPEN LOUVER (WITHIN 12" OF CLG.) 15 X 20 DUCT DOWN TO (+/-) 12" OF FLOOR.
- D) 20 X 20 O.S.A. LOUVER.
- E) SET FAN FOR HIGH SPEED (1320 CFM @ 0.40" ESP, ALTERNATE BID ONLY).
- F) 2" FLUE & COMB. PIPING TO "F-1" 1-1/2" FLUE & COMB. PIPING TO "F-2 & 3".
- G) 6 X 6 EXHAUST LOUVER.
- H) FLUE & COMBUSTION VENT TERMINAL KIT WALL ASSEMBLY FOR "F-1, 2 & 3".
- I) 7" O VENT CONNECTOR FOR EACH WATER HTR (TYP. OF 3).
- J) 12" O DOUBLE WALL TYPE-B MANIFOLD (CONSTANT SIZE).
- K) 145 CFM, 8 X 8 SR WITH OBD, KRUEGER-5880H (OR EQUAL).
- L) 12" O DOUBLE WALL TYPE-B UP TO LISTED ROOF CAP. SEE DETAIL "E/M5.1" (COORD. WITH ARCH'L FOR EXACT LOC. OF ROOF CAP.). RATED ENCLOSURE FROM CEILING PENETRATION UP TO ROOF BY G.C. (COORD. WITH G.C.)
- M) PAINTED EXPOSED DUCT @ BOTTOM OF CEIL'G.
- N) 5" O DN TO "EF-1" WITH FAN FIRE RADIATOR CEILING FIRE DAMPER.
- O) 18 X 12 RA WITH V.D.
- P) 10" O OSA WITH V.D. (TYP. OF 3).
- Q) 18 X 12 RA DN.
- R) 1" SOUNDLINED DUCT.
- S) 1" SOUNDLINED 18X14 PLENUM ON TOP OF COOLING COIL.



SECOND FLOOR PLAN (ALTERNATE NO. 1) **B**  
SCALE: 1/8"=1'-0" **M2.2**

- NOTE:
- 1) ALL DUCTWORK PENETRATING THE 2ND FLOOR SHALL BE FIRE DAMPERED AT RATED FLOOR.
  - 2) ALL DUCTWORK PENETRATING THE MECHANICAL ROOM WALL TO ATTIC SPACE SHALL BE FIRE DAMPERED.
  - 3) INSTALL ACCESS DOORS FOR ALL FIRE DAMPERS (NOT RADIATION DAMPERS).
  - 4) COORDINATE WITH STRUC'L AND G.C. TO INSTALL I-HOOKS ABOVE MECHANICAL ROOM HATCH FOR FUTURE REPLACEMENT OF WATER HEATERS AND FURNACES.



Job no. 9431  
date 09/29/94  
scale 1/8"=1'-0"  
drawn by RSJ/GRW  
checked by VA  
plot scale 1/8"=1'-0"

SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON

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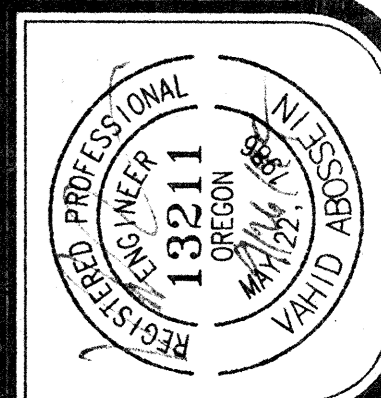
**Abossein**  
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SECOND  
FLOOR PLAN -  
HVAC

sheet  
**M2.2**

OF 5



job no. 9431  
 date 09/29/94  
 scale 1/8" = 1'-0"  
 drawn by RSI/GRW  
 checked by VA  
 plot scale 1/8" = 1'-0"

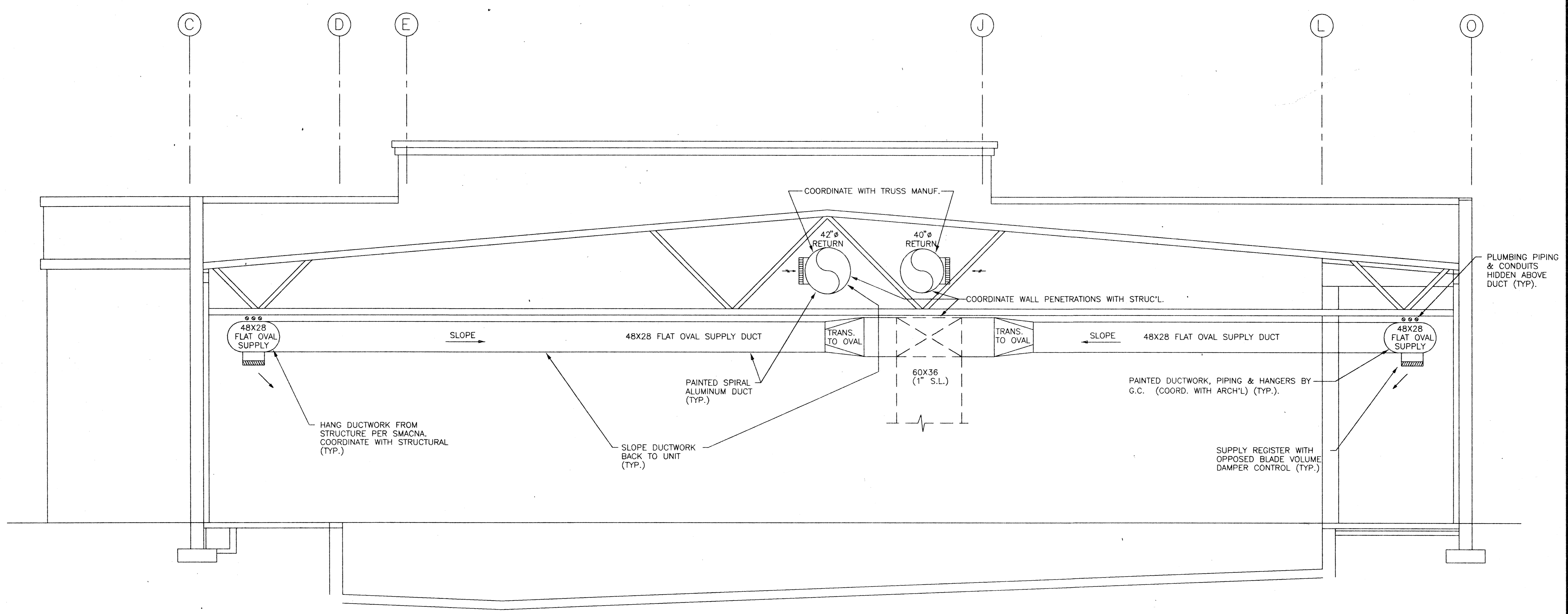
SWIMMING POOL  
 FOR THE  
 CITY OF WOODBURN  
 WOODBURN, OREGON

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BUILDING  
 SECTION

sheet  
**M3.1**

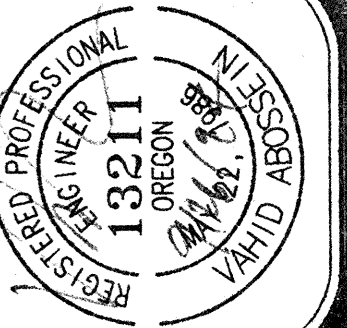
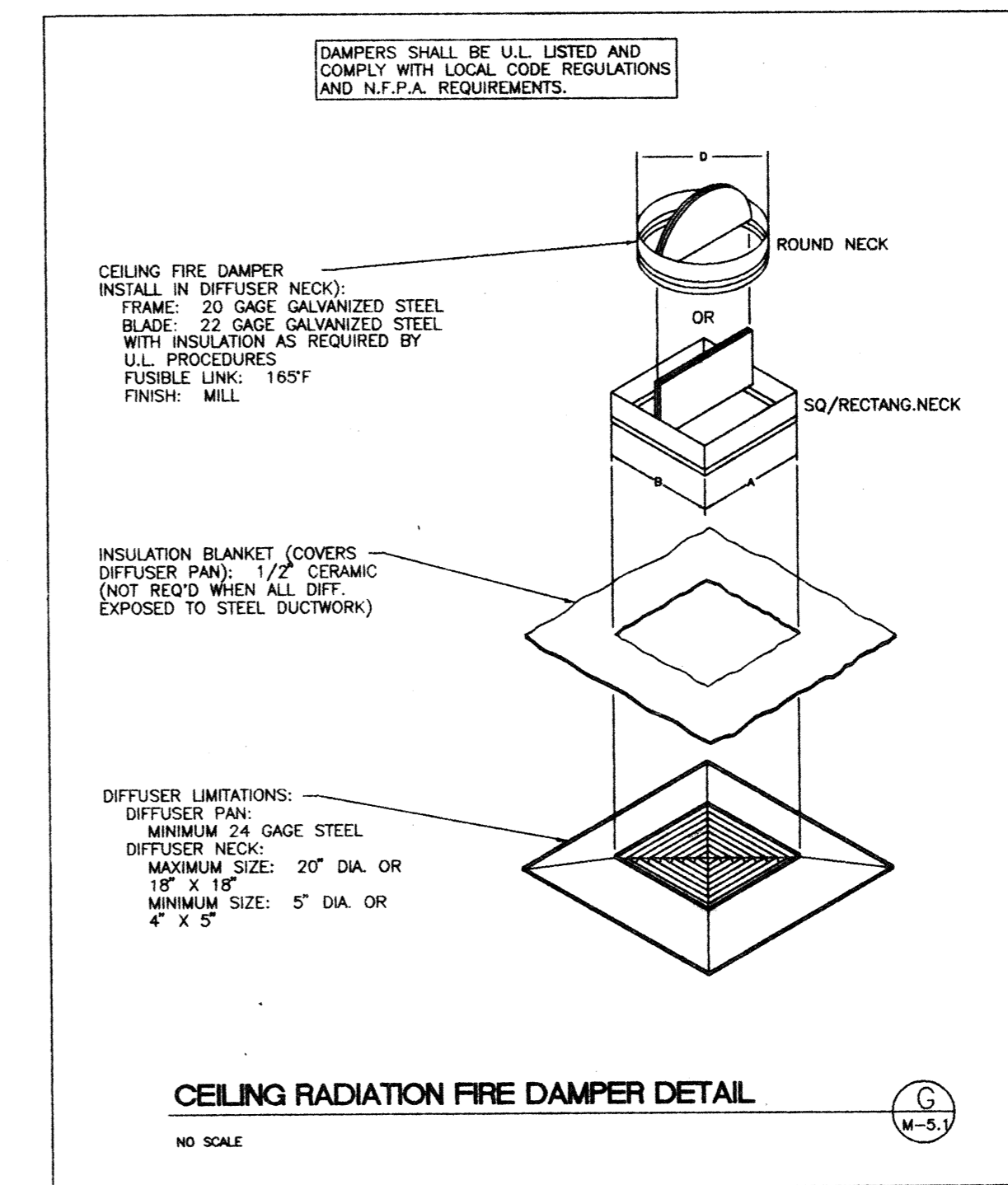
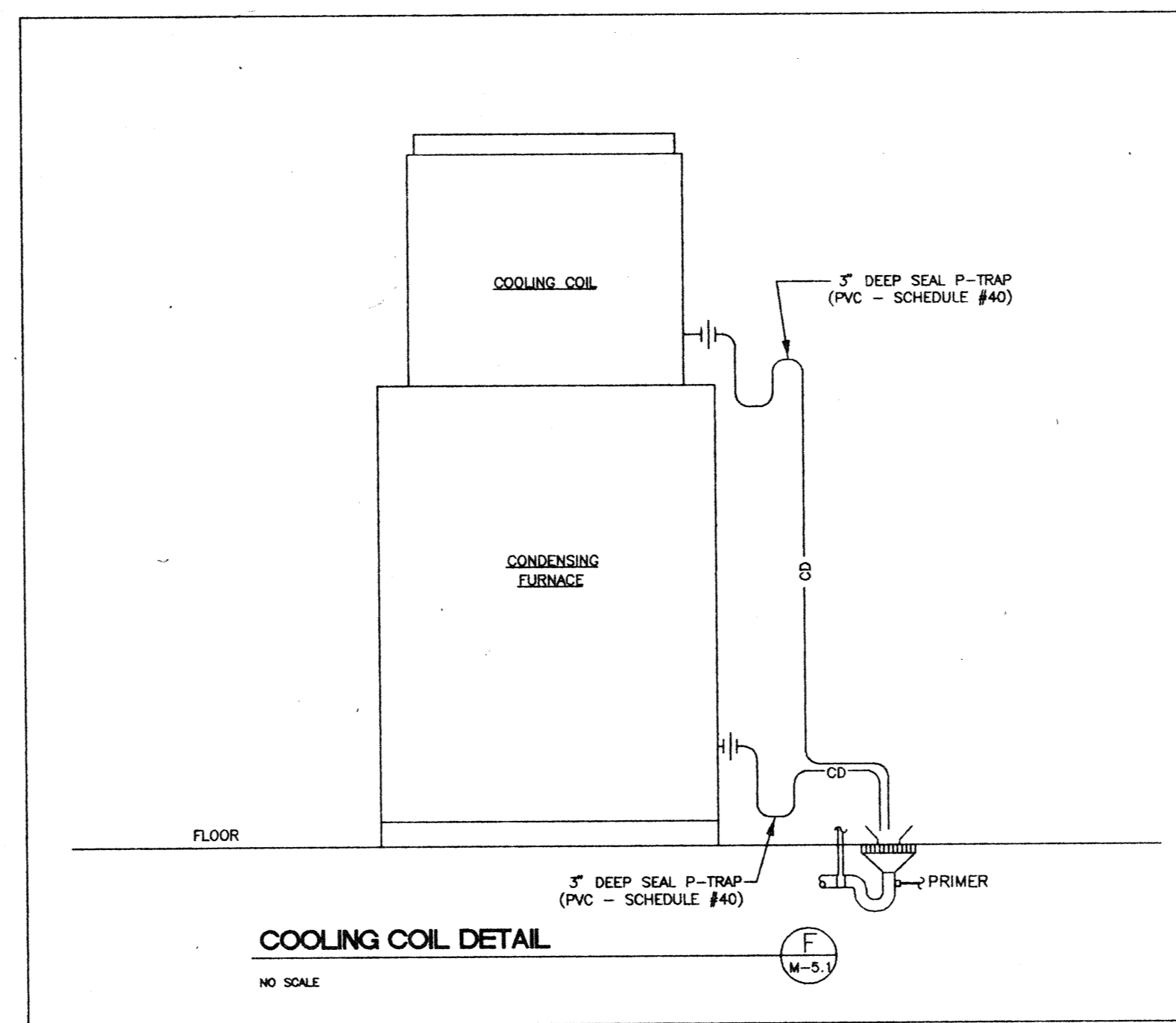
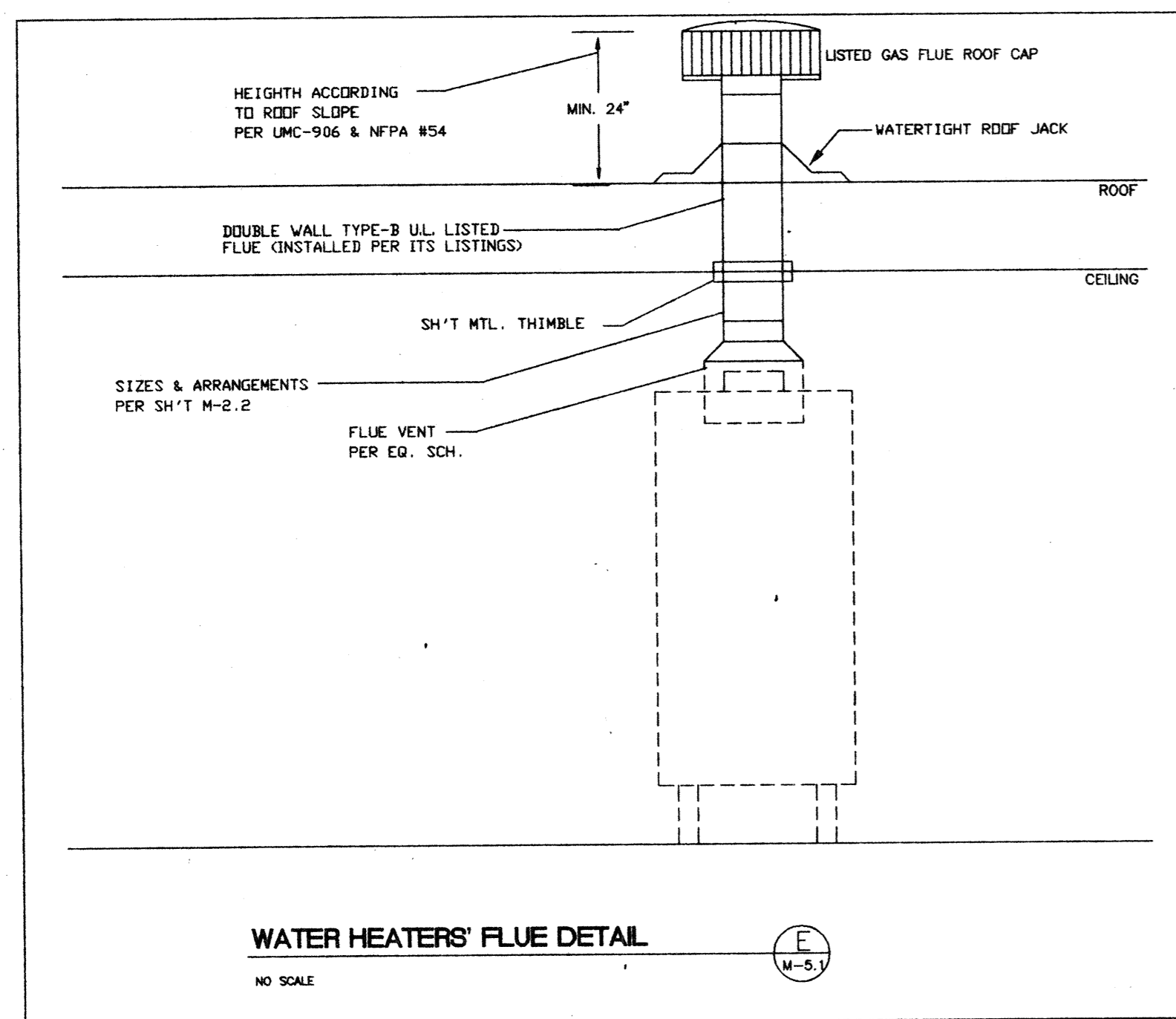
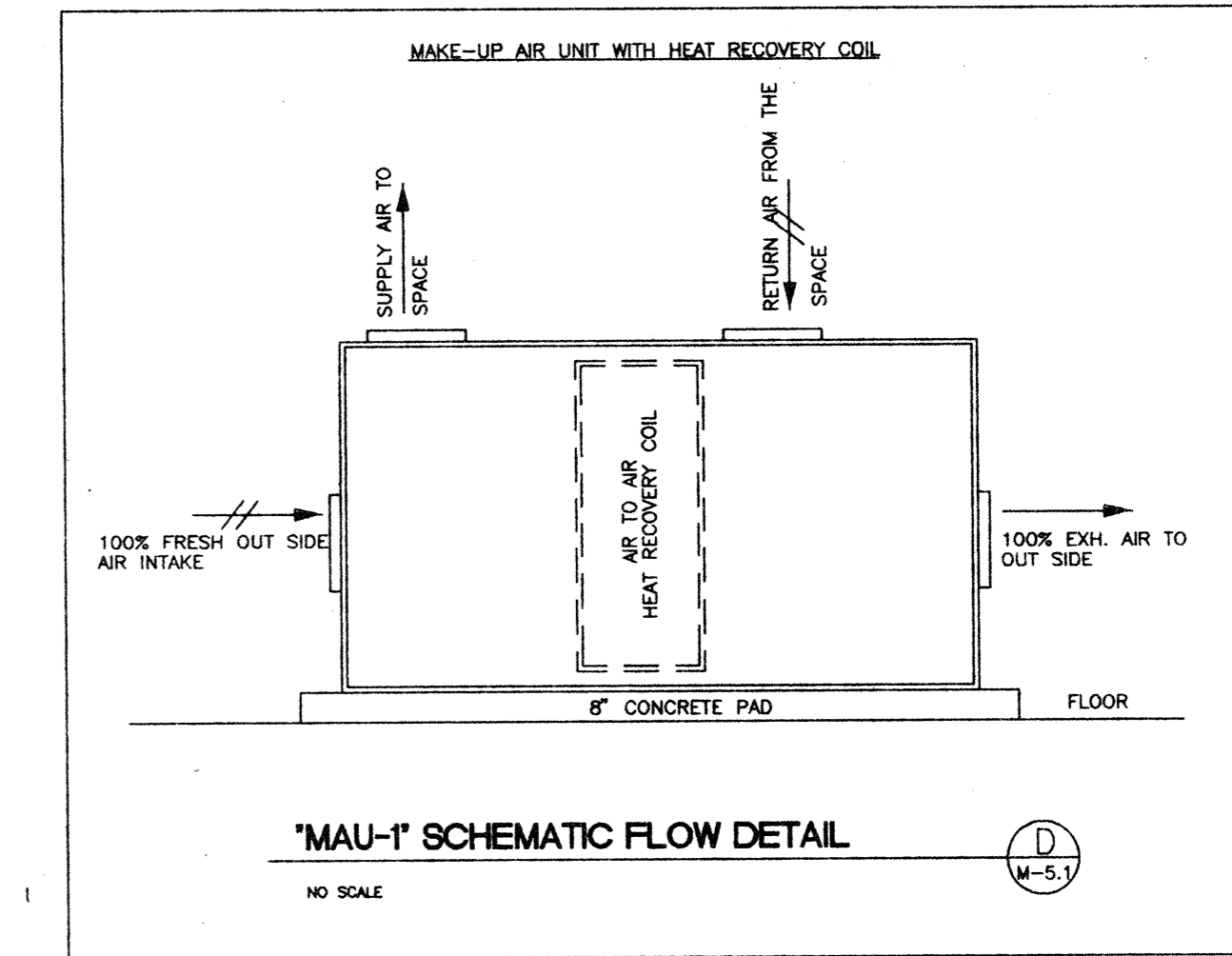
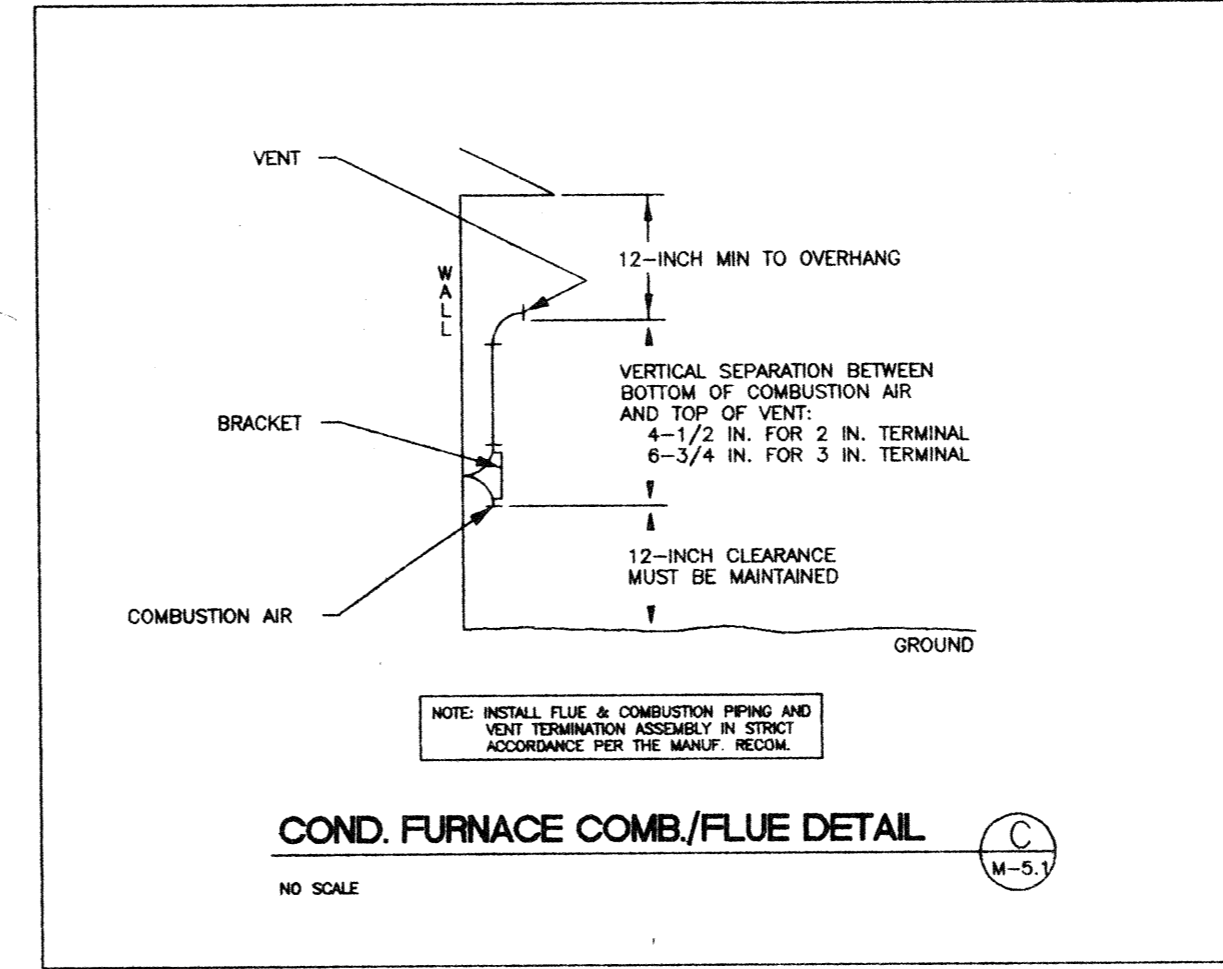
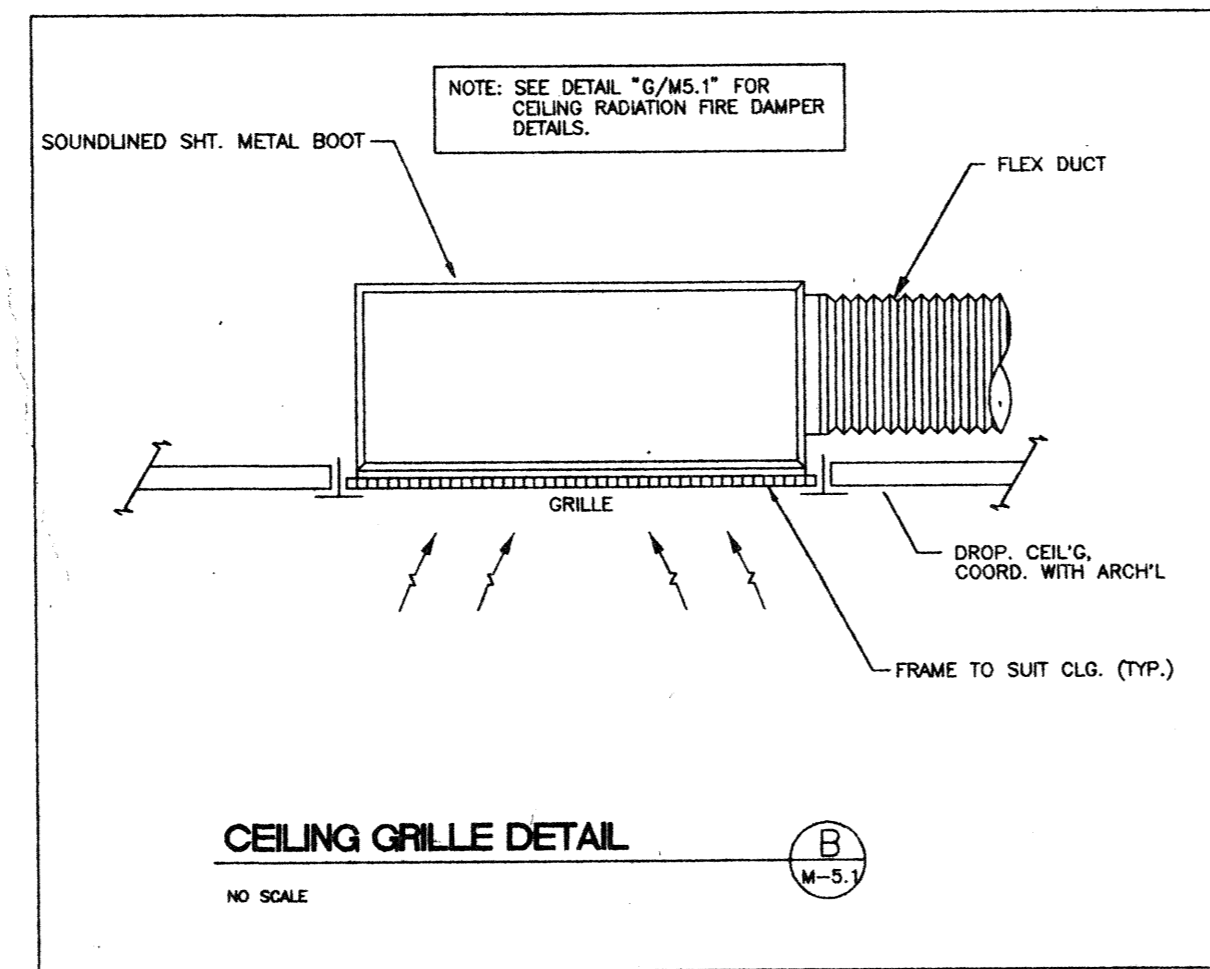
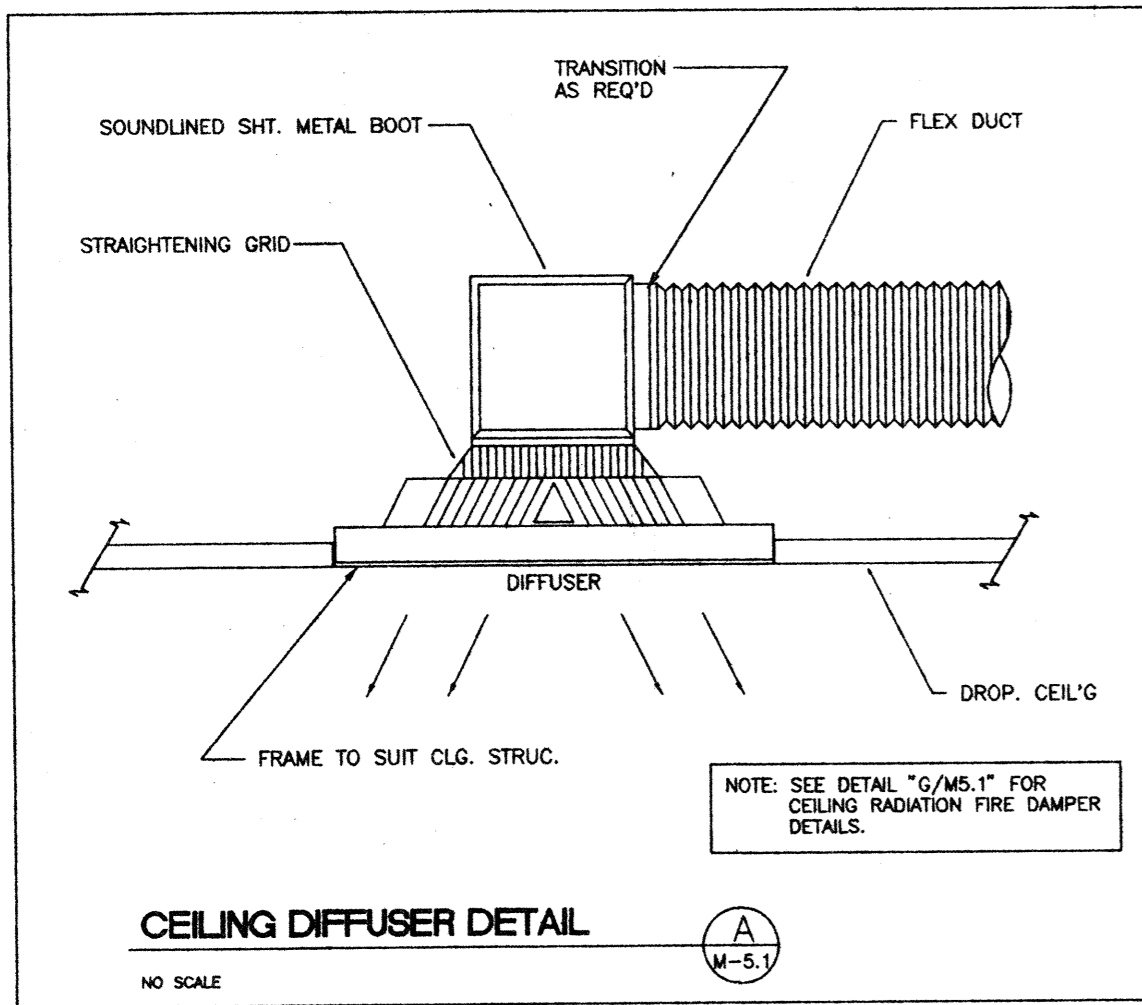
of 5



SECTION  
 1/4" = 1'-0"

A  
 M3.1

**Abossein**  
**Engineering**  
**Corp.**  
 MECHANICAL - FIRE PROTECTION - ENERGY  
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 Suite "E"  
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 (206) 462-9441  
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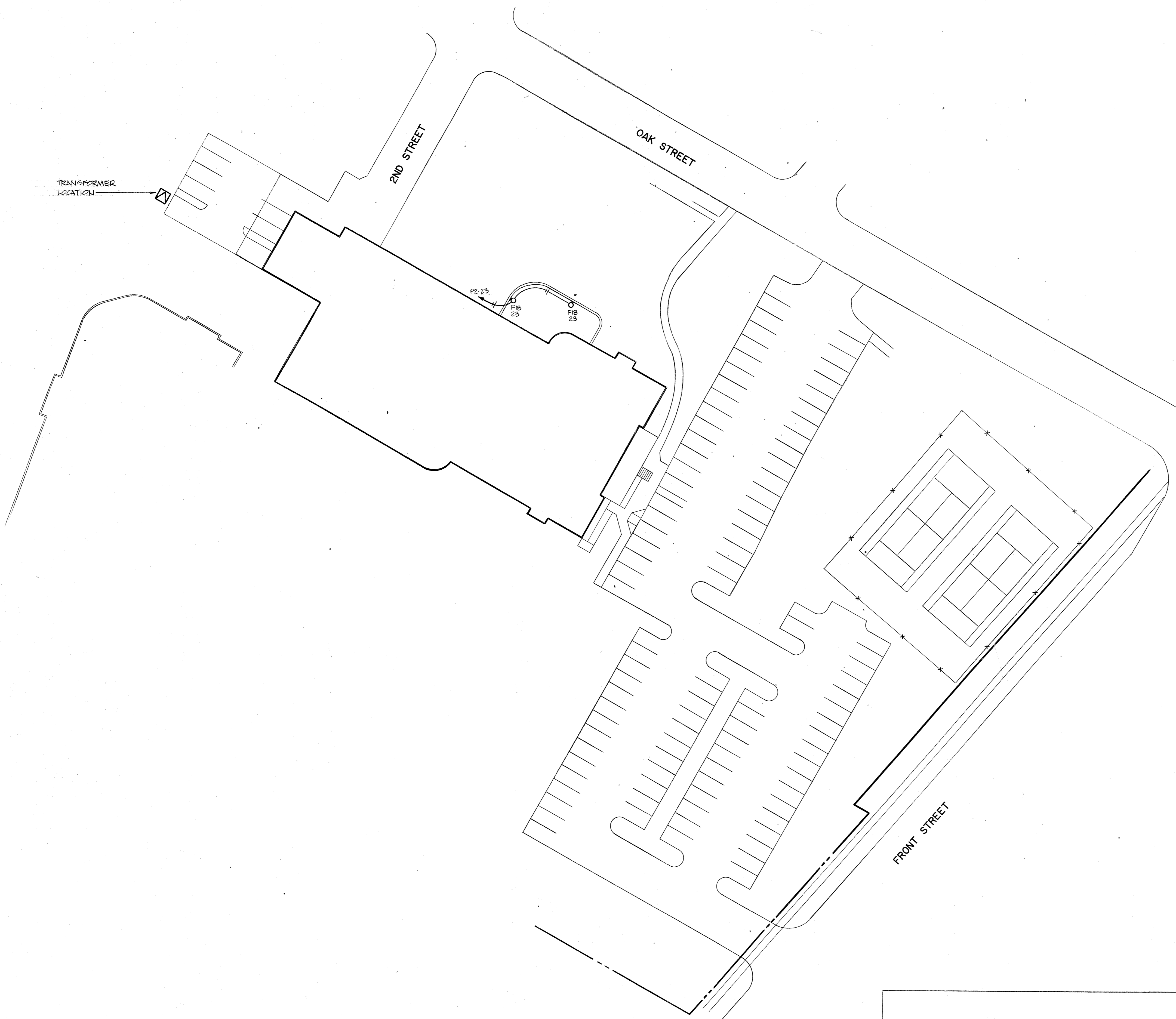
job no. 9431  
date 09/29/94  
scale 1/8"=1'-0"  
drawn by RSI/GRW  
checked by VA  
plot scale 1/8"=1'-0"

SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON

**LAURENCE E. MATSON**  
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DETAILS  
sheet  
**M5.1**  
OF 5



SYMBOL LEGEND			
<b>RECEPTACLE OUTLETS</b>		<b>CIRCUITING</b>	
⊕	DUPLEX	---	WIRING CONCEALED IN CLG. or WALL
⊕	SINGLE SPECIAL PURPOSE	---	WIRING CONCEALED IN FLOOR
⊕	SURFACE MTD. MULTI-OUTLET ASSEMBLY	---	WIRING EXPOSED
⊕	CLOCK		NO. OF CONDUCTORS
⊕	FLUSH FLOOR OUTLET BOX	→	BRANCH CIRCUIT HOME RUN
⊕	TELEVISION	⊕	GROUNDING ELECTRODE
⊕	TELEPHONE		
⊕	JUNCTION BOX WITH BLANK COVER		
<b>SWITCH OUTLETS</b>		<b>LIGHTING OUTLETS</b>	
S	SINGLE-POLE	○	SURFACE or PENDANT MOUNTED
S <sub>2</sub>	DOUBLE-POLE	⊖	RECESSED
S <sub>3</sub>	THREE-WAY	⊖	SURFACE or PENDANT FLUORESCENT
S <sub>4</sub>	FOUR-WAY	⊖	RECESSED FLUORESCENT
S <sub>D</sub>	DIMMER	⊖	FLUORESCENT OPEN STRIP
S <sub>P</sub>	PILOT-LIGHTED	⊖	EXIT LIGHT
S <sub>K</sub>	KEY-OPERATED		
S <sub>LV</sub>	LOW VOLTAGE		
S <sub>M</sub>	MASTER		
S <sub>PB</sub>	PUSHBUTTON		
<b>PANELBOARDS, SWITCHES and EQUIPMENT</b>		<b>ABBREVIATIONS</b>	
⊖	CIRCUIT BREAKER PANEL	CKT.	CIRCUIT
⊖	SWITCHBRD. or MOTOR CONTROL CENTER	C.O.	CONDUIT ONLY
⊖	TERMINAL CABINET	N.L.	NIGHT LIGHT
⊖	DISCONNECT SWITCH	AL.	ALUMINUM
⊖	FUSED DISCONNECT SWITCH	CU.	COPPER
⊖	MAGNETIC MOTOR STARTER or CONTACTOR	WP.	WEATHER PROOF
⊖	COMB. STARTER & DISCONNECT SWITCH		
⊖	FAN CONNECTION		
⊖	EQUIPMENT CONNECTION		
⊖	MOTOR CONNECTION		
		<b>ADDITIONAL SYMBOLS</b>	

LIGHTING FIXTURE SCHEDULE					
EES	TYPE	QTY	DESCRIPTION	WATTS	
				LAMP	FIXT. TOTAL
<b>EXTERIOR</b>					
F1	18		SURFACE MOUNTED METAL HALIDE FLOODLIGHT WITH BI-LEVEL SWITCHING. WIDELITE #A2M-1000-C-277-M	(1)1000W MH	1000 18,000
F2	12		2' x 4' 2 LAMP FLUORESCENT LAY-IN WITH 3" DEEP LOW IRRIDESCENT PARABOLIC LOUVER (12 CELL). LITHONIA #2PM3GB-232-12LS	(2)F032/35K	80 960
F2A	20		2' x 4' 2 LAMP FLUORESCENT SURFACE MOUNTED FIXTURE WITH 3" DEEP LOW IRRIDESCENT PARABOLIC LOUVER (12 CELL). LITHONIA #20PM3X-232-12LS	(2)F032/35K	80 1,600
F3	30		1' x 4' 2 LAMP WRAPAROUND FLUORESCENT. LITHONIA #AW232-A	(2)F032/35K	80 2,400
F4	12		1' x 4' 2 LAMP SURFACE MOUNTED FLUORESCENT WITH METAL SIDES & ACRYLIC PRISMATIC LENS. LITHONIA #M232-A12	(2)F032/35K	80 960
F5	4		4' 2 LAMP VANDAL RESISTANT WET LOCATION INDUSTRIAL FLUORESCENT WITH ENERGY SAVING BALLAST. LITHONIA #VRI232-AR-120-ES	(2)F032/35K	80 320
F6	6		RECESSED FLUORESCENT DOWNLIGHT WITH CLEAR ALZAK REFLECTOR. PRESCOLITE #CFR10-672	(2)F13DTT	26 156
F7	2		INCANDESCENT SAUNA LIGHT. APPLETON #V-51	(1)100W	100 200
F8	1		4' 2 LAMP OPEN STRIP FLUORESCENT. LITHONIA #C232	(2)F032/35K	80 80
F9	11		4' 2 LAMP INDUSTRIAL FLUORESCENT WITH PAINT FINISH & UPLIGHT. LITHONIA #AF10232	(2)F032/35K	80 880
F10	10		8' 4 LAMP(TANDEM) INDUSTRIAL FLUORESCENT WITH PAINT FINISH & UPLIGHT. LITHONIA #TEJA232	(4)F032/35K	160 1,600
F11	2		175W RECESSED METAL HALIDE FIXTURE WITH TEMPERED PRISMATIC LENS. PRESCOLITE #1391M9-175MHFE-F8	(1)175W MH	175 350
F12	4		50W RECESSED HIGH PRESSURE SODIUM DOWNLIGHT WITH FRESNEL LENS. PRESCOLITE #90S3-50HPSFE-M71	(1)50W/E-23	50 200
F13	4		EXIT SIGN WITH INTEGRAL DUAL HEAD BATTERY PACK, WHITE HOUSING & GREEN STENCIL FACE LETTERING. LITHONIA #H2MSWG		
F14	2		DUAL HEAD EMERGENCY BATTERY PACK LITHONIA #ELM2		
F15	2		100W SURFACE MOUNTED INCANDESCENT OPAL SPHERE SUITABLE FOR WET LOCATION. PRESCOLITE #93048	(1)100W	100 200
F16	13		500W UNDERWATER NICHE LIGHT HYDRELL #4425-3LWC	(1) 500W PAR 56	500 6,500
			<b>TOTAL</b>		<b>34,406</b>
<b>EXTERIOR</b>					
F17	8		150W HIGH PRESSURE SODIUM WALL MOUNTED FIXTURE WITH TYPE III DISTRIBUTION, DARK BRONZE. STERNER #EX20A103 N 150S C	(1)150W HPS	150 1,200
F18	2		35W RECESSED HPS STEP LIGHT GUTH #B17-700/120	(1) 35W HPS	35 70
			<b>TOTAL</b>		<b>1,270</b>

**ELECTRICAL SITE PLAN**  
SCALE: 1" = 30'

LIGHTING POWER BUDGET			
AREA	DESCRIPTION	WATTS /SQU.	WATTS TOTAL
BUILDING INTERIOR		EXEMPT	
SURFACE PARKING		EXEMPT	
<b>TOTAL ALLOWED LIGHTING POWER</b>			<b>EXEMPT</b>



Job no. \_\_\_\_\_  
date 6/28/94  
scale NOTED  
drawn by GJP  
checked by MJC  
appr. by RVE

**SWIMMING POOL FOR THE CITY OF WOODBURN WOODBURN, OREGON**

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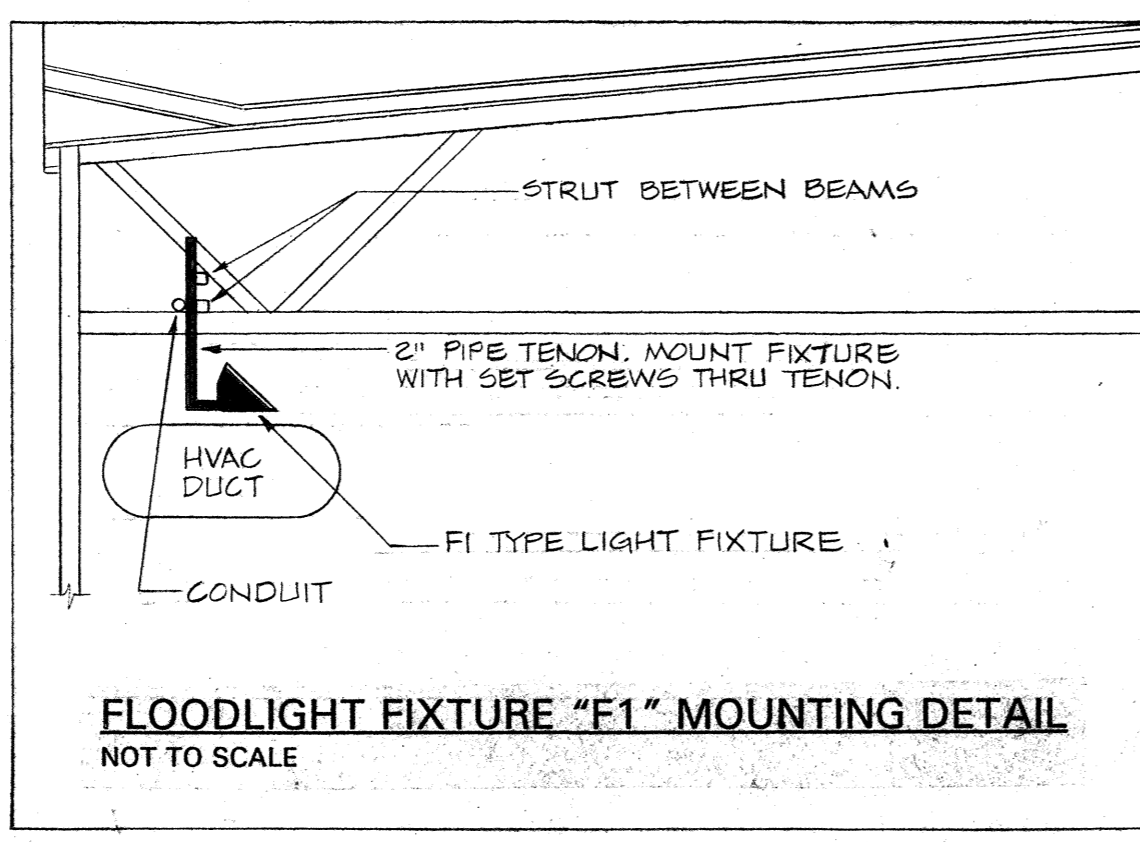
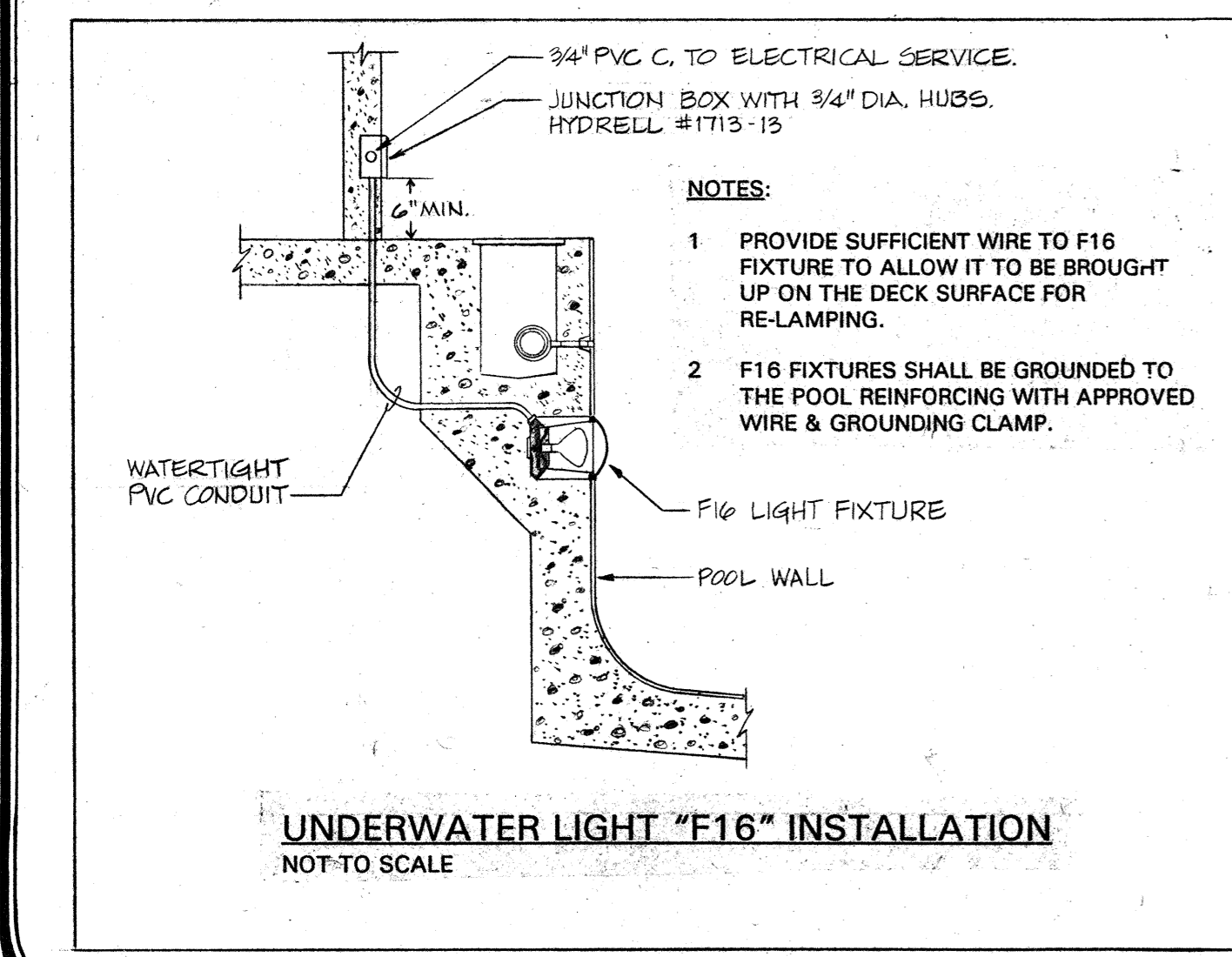
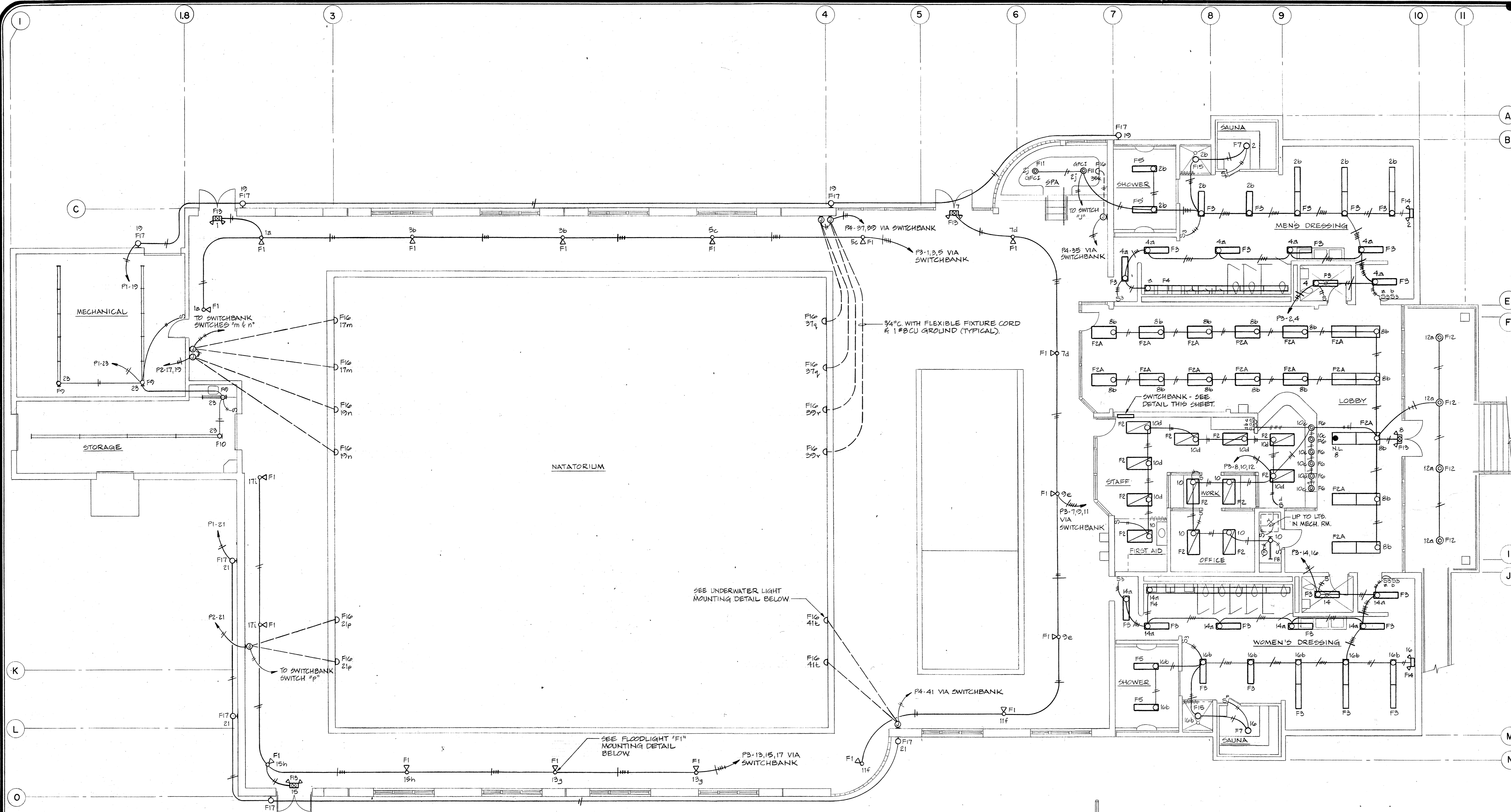


job no. \_\_\_\_\_  
 date 6/28/94  
 scale NOTED  
 drawn by CSP  
 checked by MSC  
 appr. by EXWE

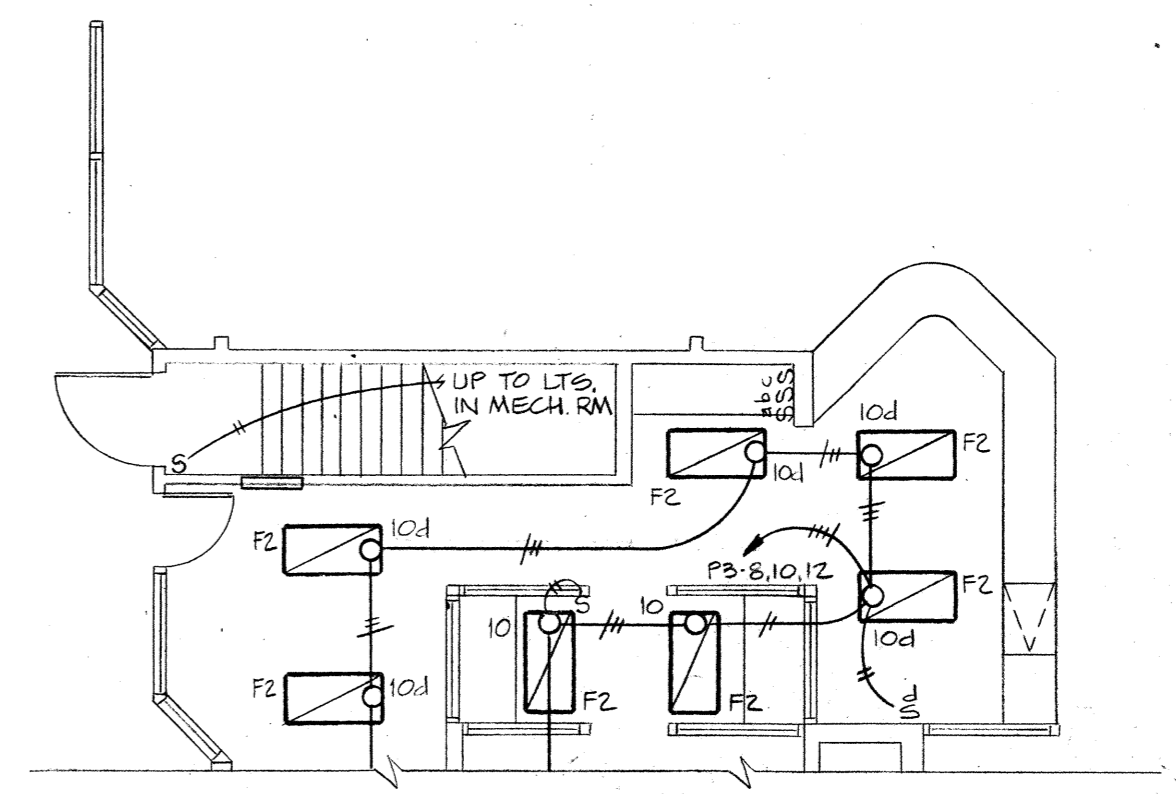
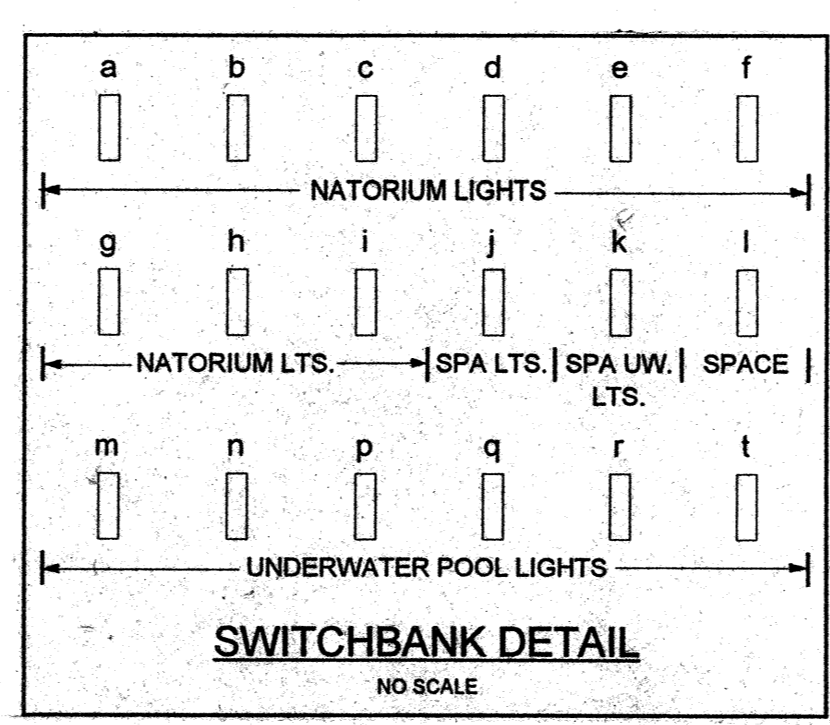
**SWIMMING POOL  
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sheet  
**E2**  
 of 4



**LIGHTING FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"



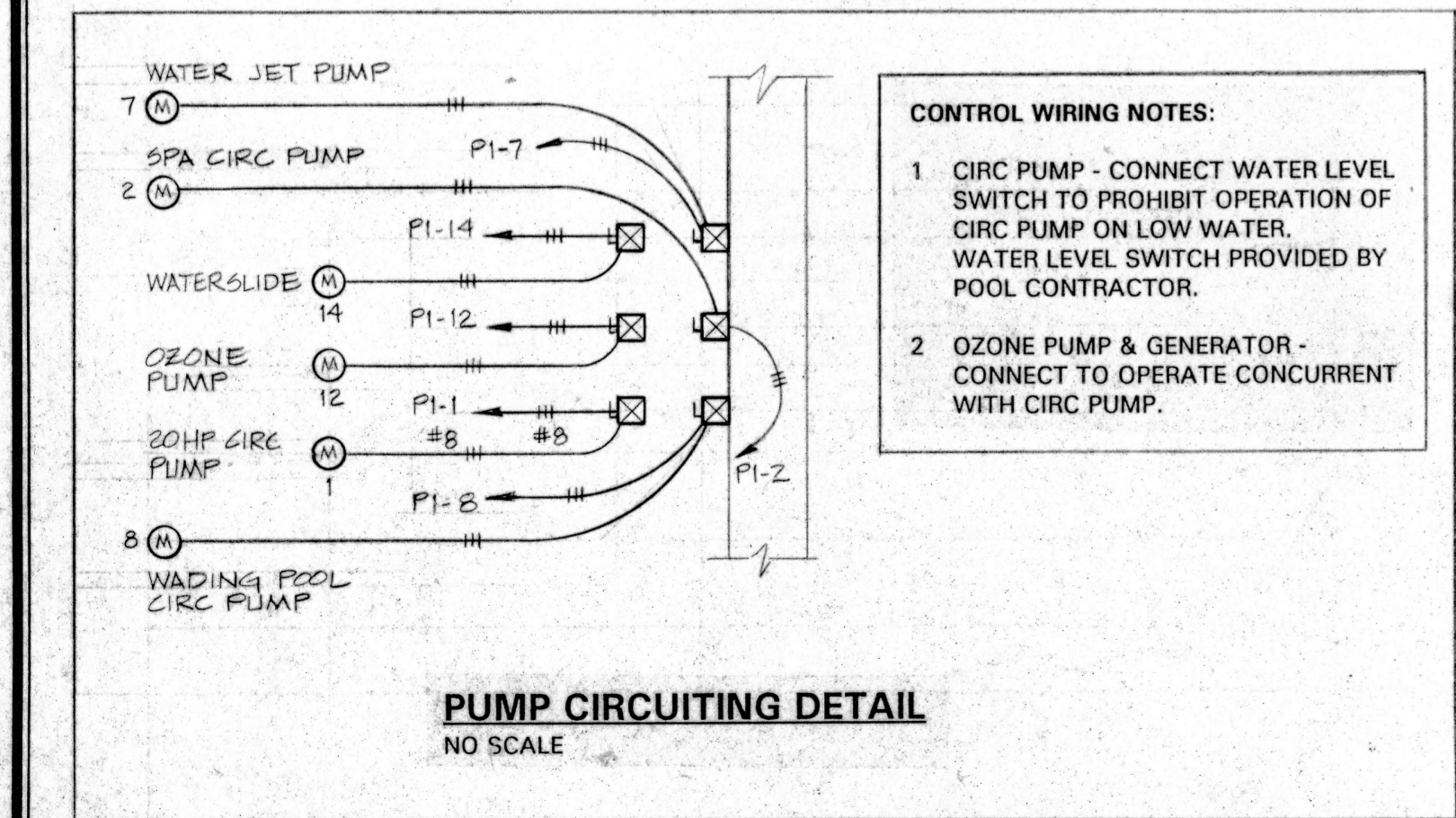
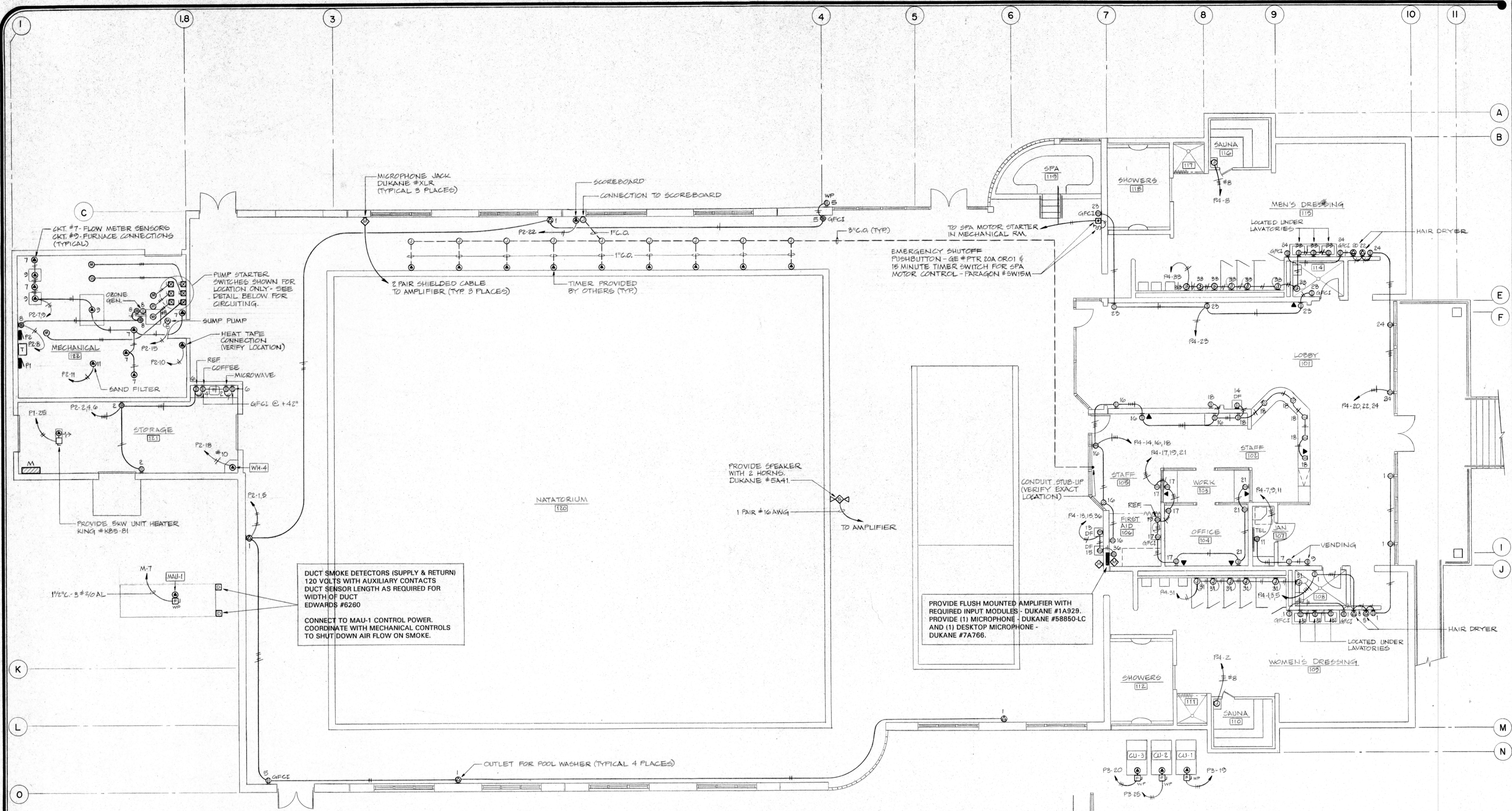
**STAIR PLAN (ALTERNATE #1)**



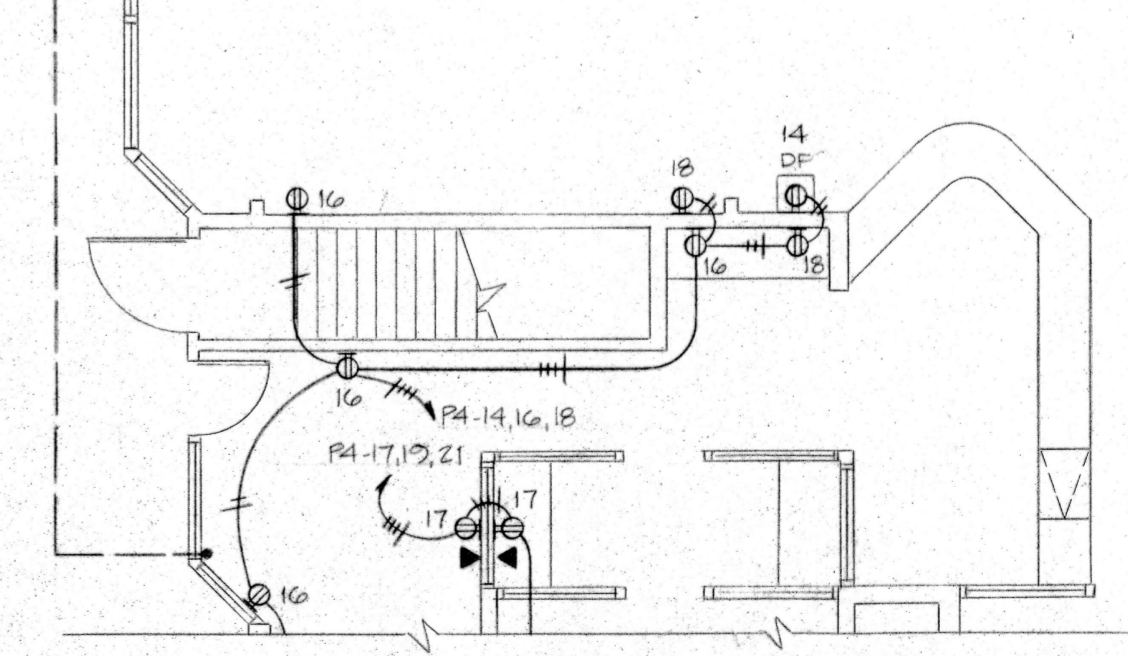
Job no.	
date	6/25/14
scale	NOTED
drawn by	CSP
checked by	MSC
appr. by	RWB

**SWIMMING POOL  
FOR THE  
CITY OF WOODBURN  
WOODBURN, OREGON**

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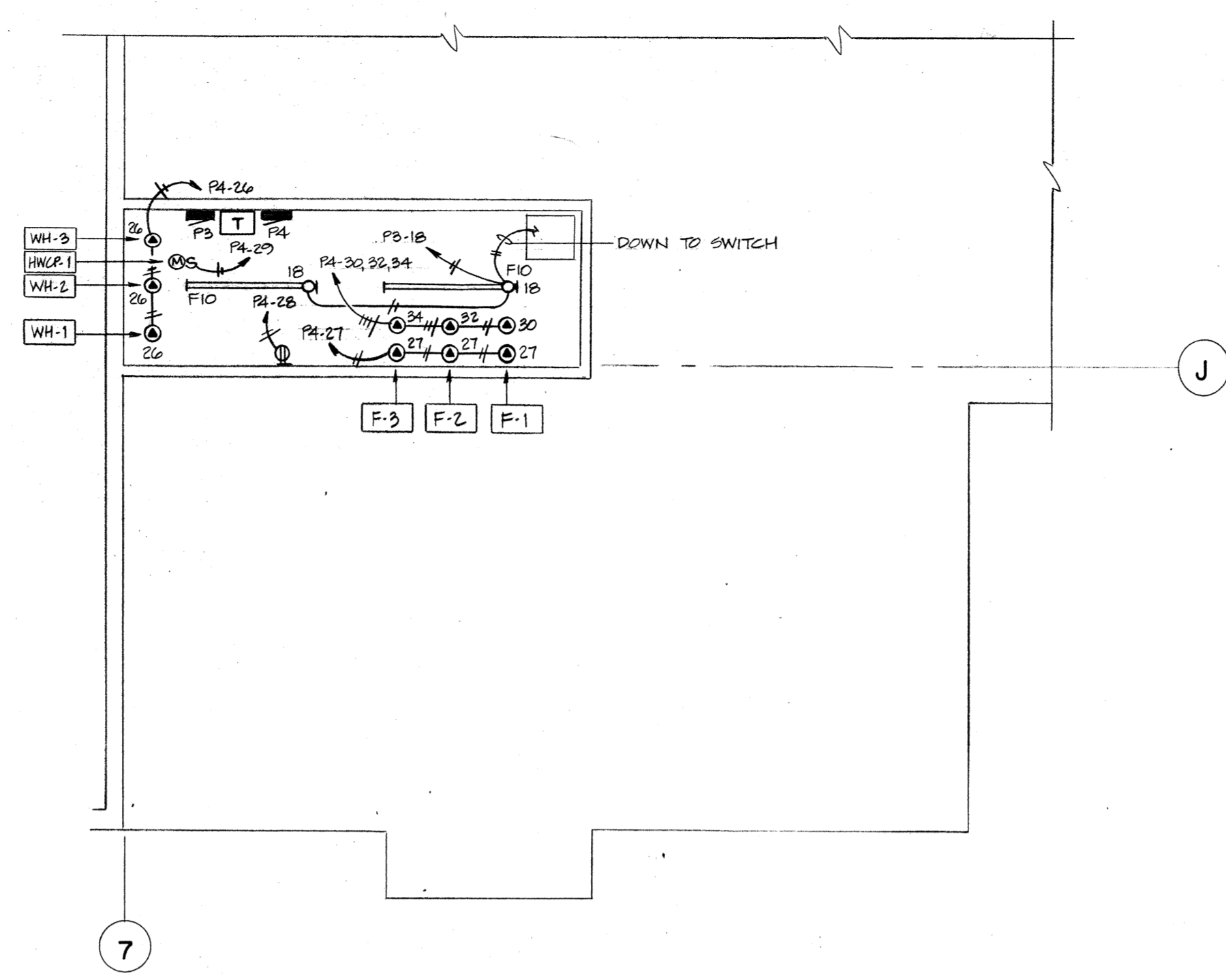
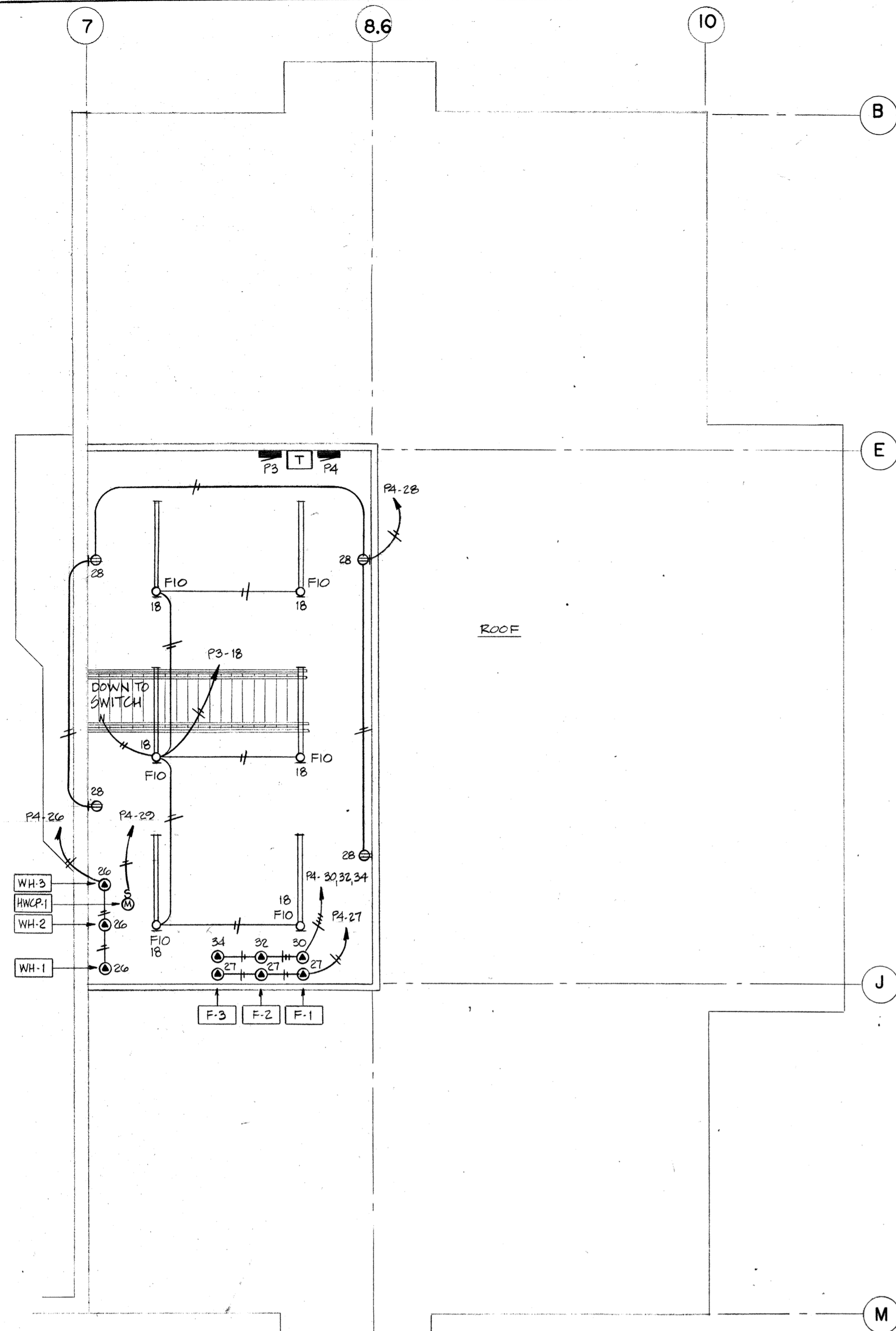


**POWER / COMMUNICATIONS FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



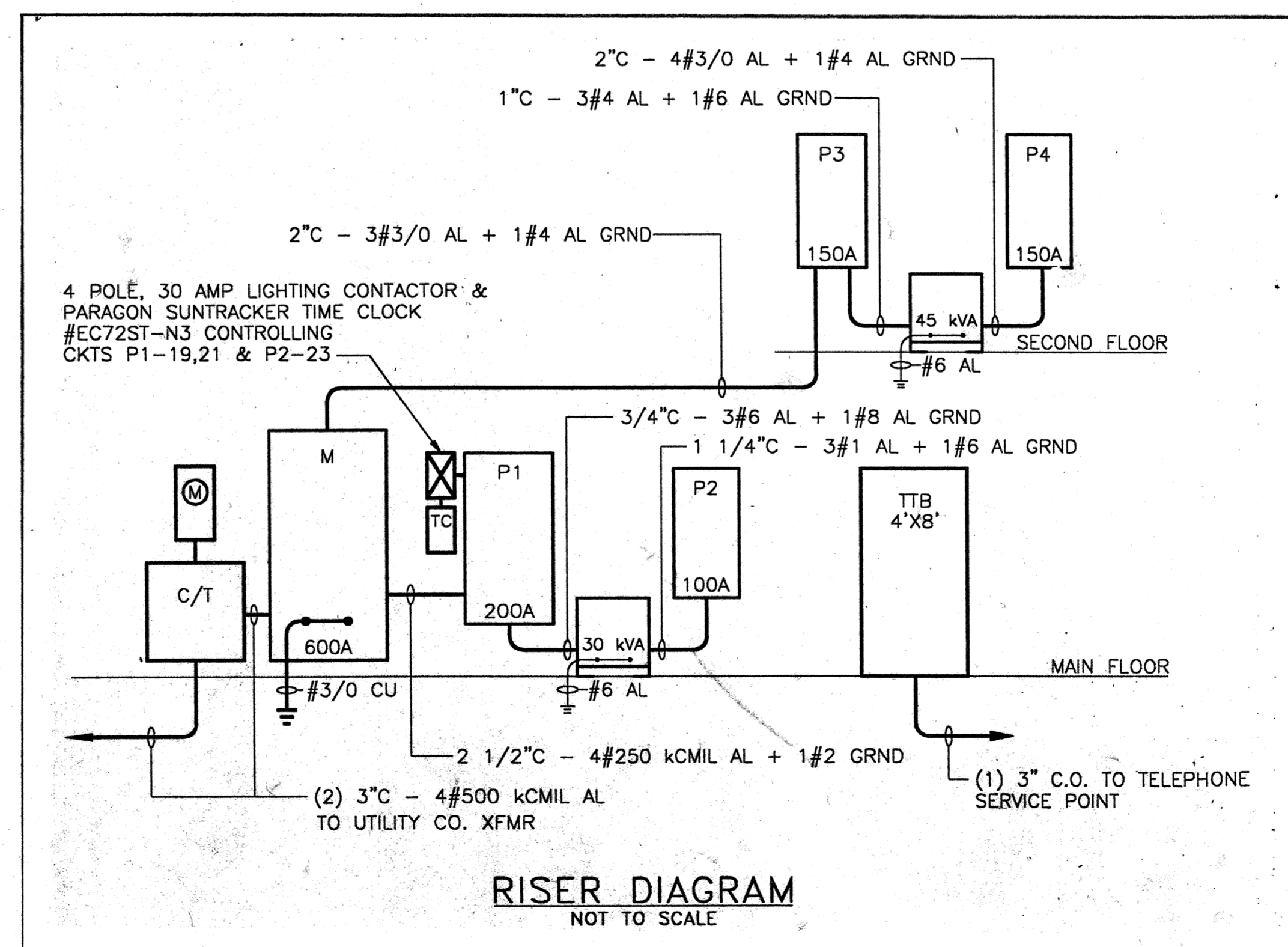
**STAIR PLAN (ALTERNATE #1)**





SECOND FLOOR (BASE BID)  
SCALE 1/8" = 1'-0"

SECOND FLOOR (ALTERNATE #1)  
SCALE 1/8" = 1'-0"



RISER DIAGRAM  
NOT TO SCALE

PANEL SCHEDULE									
NUMBER	LOCATION MECHANICAL ROOM	480Y/277	VOLTS 3 PHASE 4			WIRE			
P1	SERVING MECHANICAL EQUIPMENT	200	AMP WITH MAIN			LUGS			
1	CIRC PUMP - 20 HP	21.6	40	20	20	3.8	SPA CIRC. PUMP - 3 HP	2	4
3								6	8
5	WATER JET PUMP - SPA	6.1	20	20	20	3.8	WADING POOL CIRC PUMP	10	12
7								14	16
9	SPACE					3.8	WATERSLIDE PUMP	20	22
11	SPACE							24	26
13	SPACE							28	30
15	SPACE							32	34
17	LTS - EXTERIOR	0.4	20	20	50	21.6	SUBFEED - PANEL P2	36	38
19	LTS - EXTERIOR	0.4	20	20				40	42
21	LTS - EQUIP MECH ROOMS	1.6	20	20					
23	UNIT HEATER - STORAGE	5.0	20	20					
25	SPACE								
27	SPACE								
29	SPACE								
31	SPACE								
33	SPACE								
35	SPACE								
37	SPACE								
39	SPACE								
41	SPACE								
REMARKS		CONNECTED LOAD		68.1	KVA	82	AMPS		
		DEMAND LOAD			KVA		AMPS		

PANEL SCHEDULE									
NUMBER	LOCATION MECHANICAL ROOM	208Y/120	VOLTS 3 PHASE 4			WIRE			
P2	SERVING REC. EQUIP	100	AMP WITH MAIN			BREAKER			
1	POOL WASHER OUTLETS	2.5	20	20	20	0.8	REC - STORAGE	2	4
3								6	8
5	REC - NATATORIUM	0.8	20	20	20	1.5	REC - COFFEE MACHINE	10	12
7	FLOW METERS	1.0	20	20	20	1.4	REC - REFRIGERATOR	14	16
9	FURNACE CONNECTIONS	0.6	20	20	20	0.8	REC - WADING, CHEMICAL	18	20
11	SAND FILTER	0.4	20	20	20	0.6	HEAT TAPE	22	24
13	SPACE					3.8	OZONE PUMP - 3 HP	26	28
15	SPACE							30	32
17	SUMP PUMP SP-1	1.1	20	20	20	2.0	WH-4	34	36
19	UNDERWATER POOL LTS	1.0	20	20	30			38	40
21	UNDERWATER POOL LTS	1.0	20	20	20	1.1	SCOREBOARD	42	
23	PATIO LTS	0.2	20	20	20				
25	SPACE								
27	SPACE								
29	SPACE								
31	SPACE								
33	SPACE								
35	SPACE								
37	SPACE								
39	SPACE								
41	SPACE								
REMARKS		CONNECTED LOAD		21.6	KVA	60	AMPS		
		DEMAND LOAD			KVA		AMPS		

PANEL SCHEDULE									
NUMBER	LOCATION MEZZANINE LEVEL	480Y/277	VOLTS 3 PHASE 4			WIRE			
P3	SERVING LTS. EQUIP	150	AMP WITH MAIN			LUGS			
1	LTS - NATATORIUM	2.0	20	20	20	1.4	LTS - SPA/MENS DRESS/SAUNA	2	4
3	LTS - NATATORIUM	2.0	20	20	20	1.0	LTS - MENS DRESS/RESTRM.	6	8
5	LTS - NATATORIUM	2.0	20	20	20			10	12
7	LTS - NATATORIUM	2.0	20	20	20	1.6	LTS - LOBBY	14	16
9	LTS - NATATORIUM	2.0	20	20	20	2.2	LTS - STAFF/OFFICE	18	20
11	LTS - NATATORIUM	2.0	20	20	20	0.2	LTS - ENTRY AREA	22	24
13	LTS - NATATORIUM	2.0	20	20	20	1.0	LTS - WOMENS DRESSING	26	28
15	LTS - NATATORIUM	2.0	20	20	20	1.0	LTS - WOMENS DRESSING	30	32
17	LTS - NATATORIUM	2.0	20	20	20	0.5	SPARE	34	36
19	CU-1	6.8	20	20	20	4.7	CU-3	38	40
21								42	
23									
25	CU-2	4.7	20	20	70	47.6	SUBFEED - PANEL P4		
27									
29	SPACE								
31	SPACE								
33	SPACE								
35	SPACE								
37	SPACE								
39	SPACE								
41	SPACE								
REMARKS		50% DEMAND ON REC OVER 10 KVA		CONNECTED LOAD		89.7	KVA	108	AMPS
				DEMAND LOAD		70.9	KVA	85	AMPS

PANEL SCHEDULE									
NUMBER	LOCATION MEZZANINE LEVEL	208Y/120	VOLTS 3 PHASE 4			WIRE			
P4	SERVING REC. EQUIP	150	AMP WITH MAIN			BREAKER			
1	REC - LOBBY	1.2	20	20	40	8.6	SAUNA	2	4
3	HAIR DRYER - DRESSING	1.5	20	20	20			6	8
5	HAIR DRYER - DRESSING	1.5	20	20	20			10	12
7	REC - VENDING	1.1	20	20	40	8.6	SAUNA	14	16
9	REC - VENDING	1.1	20	20	20			18	20
11	REC - TTB	0.4	20	20	20			22	24
13	REC - EWC	1.0	20	20	20	1.1	REC - EWC	26	28
15	REC - EWC	1.0	20	20	20	1.2	REC - STAFF	30	32
17	REC - WORKROOM, OFFICE	1.0	20	20	20	1.4	REC - STAFF	34	36
19	REC - REFRIGERATOR	0.9	20	20	20	1.5	HAIR DRYER - DRESSING	38	40
21	REC - OFFICE, DRESSING	0.6	20	20	20	1.5	HAIR DRYER - DRESSING	42	
23	REC - LOBBY, SPA	0.8	20	20	20	1.0	REC - LOBBY		
25	SPACE					0.6	WH-1,2,3		
27	ELECTRIC AIR CLEANERS	0.9	20	20	20	0.4	REC - SECOND FLOOR		
29	HWK-1	0.2	20	20	20	1.1	F-1		
31	INFRARED TOILET & SINKS	0.6	20	20	20	0.8	F-2		
33	INFRARED TOILET & SINKS	0.6	20	20	20	0.8	F-3		
35	UNDERWATER LTS - SPA	0.5	20	20	20	1.1	PA SYSTEM		
37	UNDERWATER LTS - POOL	1.0	20	20	20				
39	UNDERWATER LTS - POOL	1.0	20	20	20				
41	UNDERWATER LTS - POOL	1.0	20	20	20				
REMARKS		50% DEMAND ON REC OVER 10 KVA		CONNECTED LOAD		47.6	KVA	132	AMPS
				DEMAND LOAD		28.8	KVA	80	AMPS

PANEL SCHEDULE									
NUMBER	LOCATION MECHANICAL ROOM	480Y/277	VOLTS 3 PHASE 4			WIRE			
M	SERVING MECHANICAL EQUIPMENT	600	AMP WITH MAIN			LUGS			
1	SUBFEED - PANEL P1	68.1	200	150	150	69.7	SUBFEED - PANEL P3	2	4
3								6	8
5	MAU-1	83.2	125					10	12
7	SPACE							14	16
9	SPACE							18	20
11	SPACE							22	24
13	SPACE							26	28
15	SPACE							30	32
17	SPACE							34	36
19	SPACE							38	40
21	SPACE							42	
23									
25									
27									
29									
31									
33									
35									
37									
39									
41									
REMARKS		CONNECTED LOAD		241	KVA	290	AMPS		
		DEMAND LOAD			KVA		AMPS		



job no.  
date 10-3-74  
scale NOTED  
drawn by CJP  
checked by MSC  
appr. by RWE

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sheet  
**E4**  
OF 4