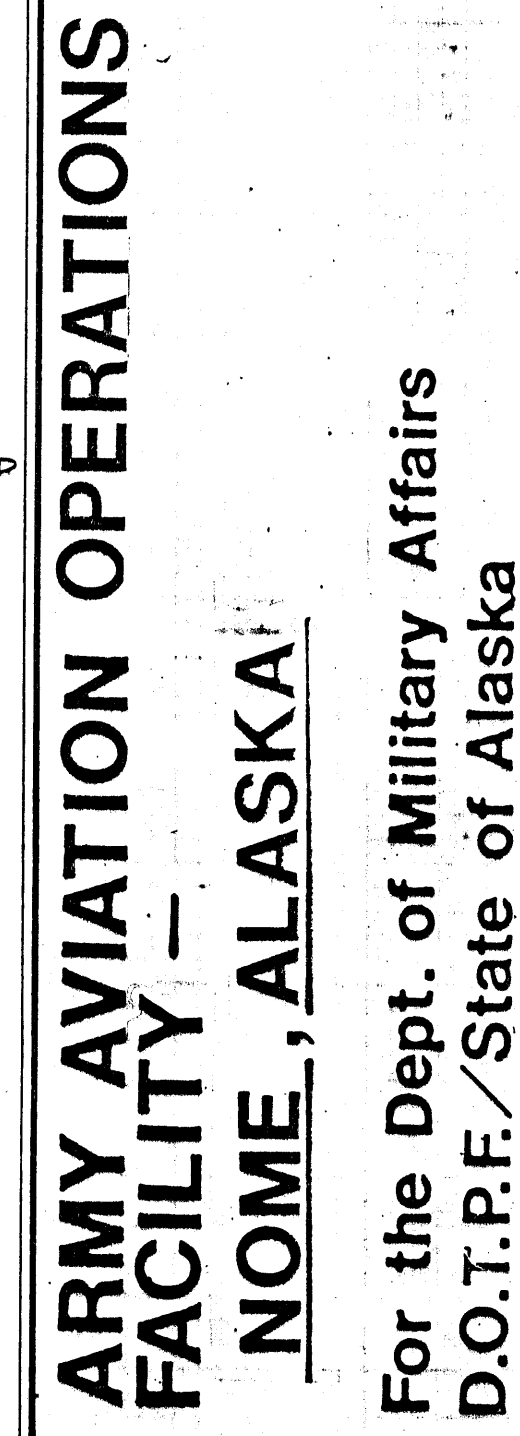


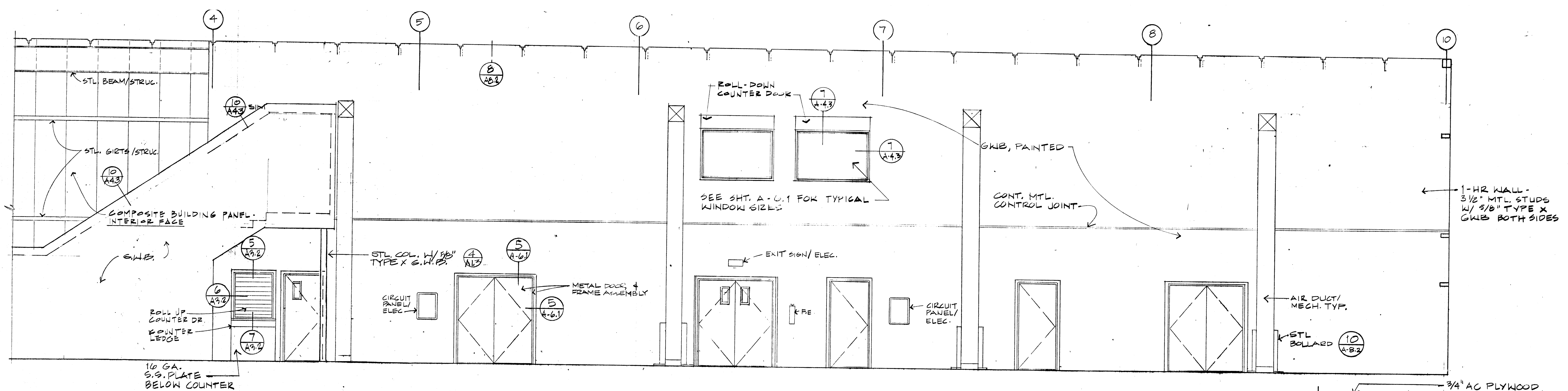
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A-8.2

ASBESTOS-CONTAMINATED SOILS

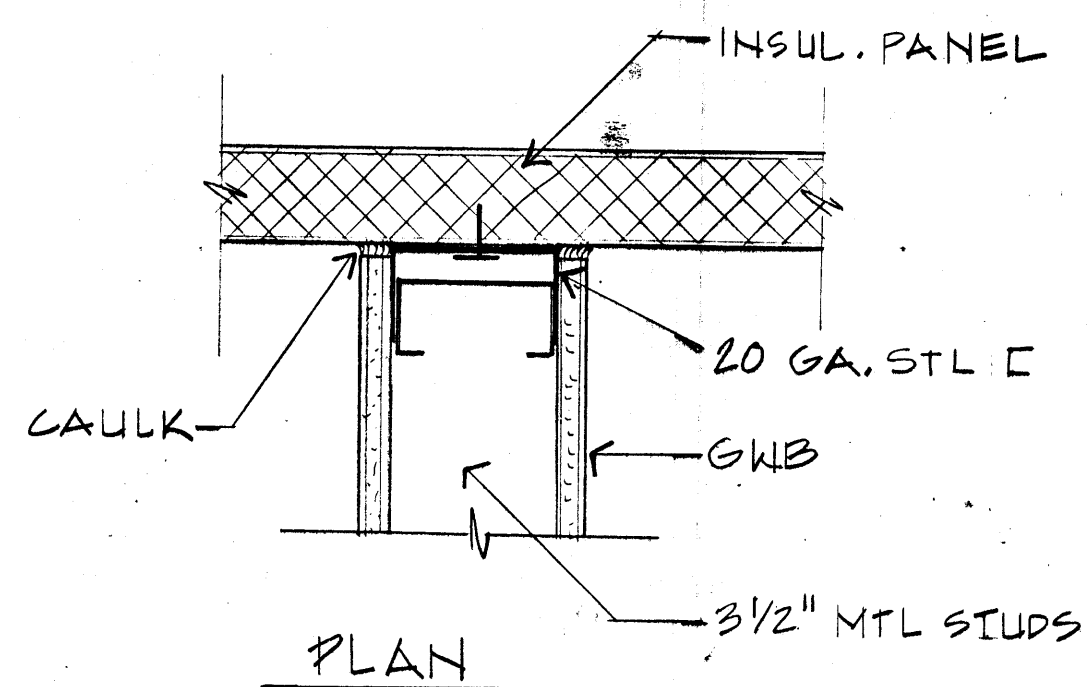


INTERIOR ELEVATIONS

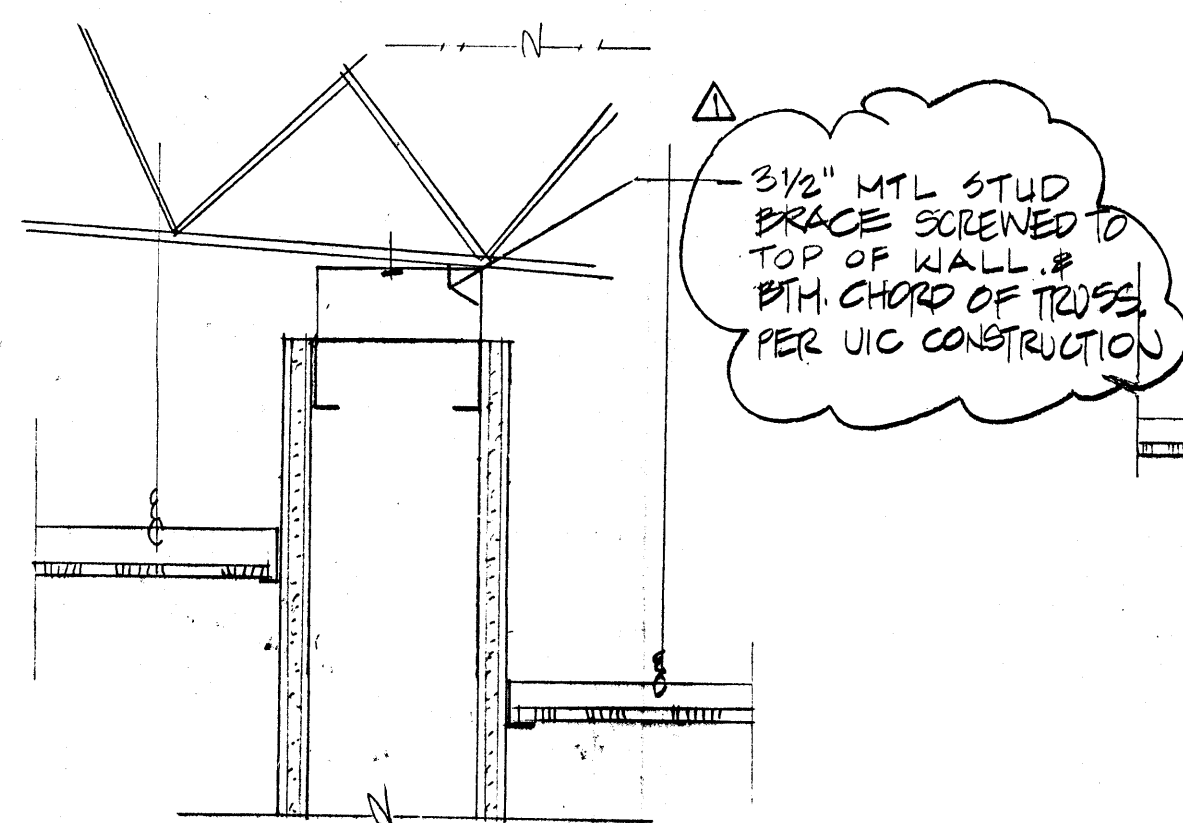
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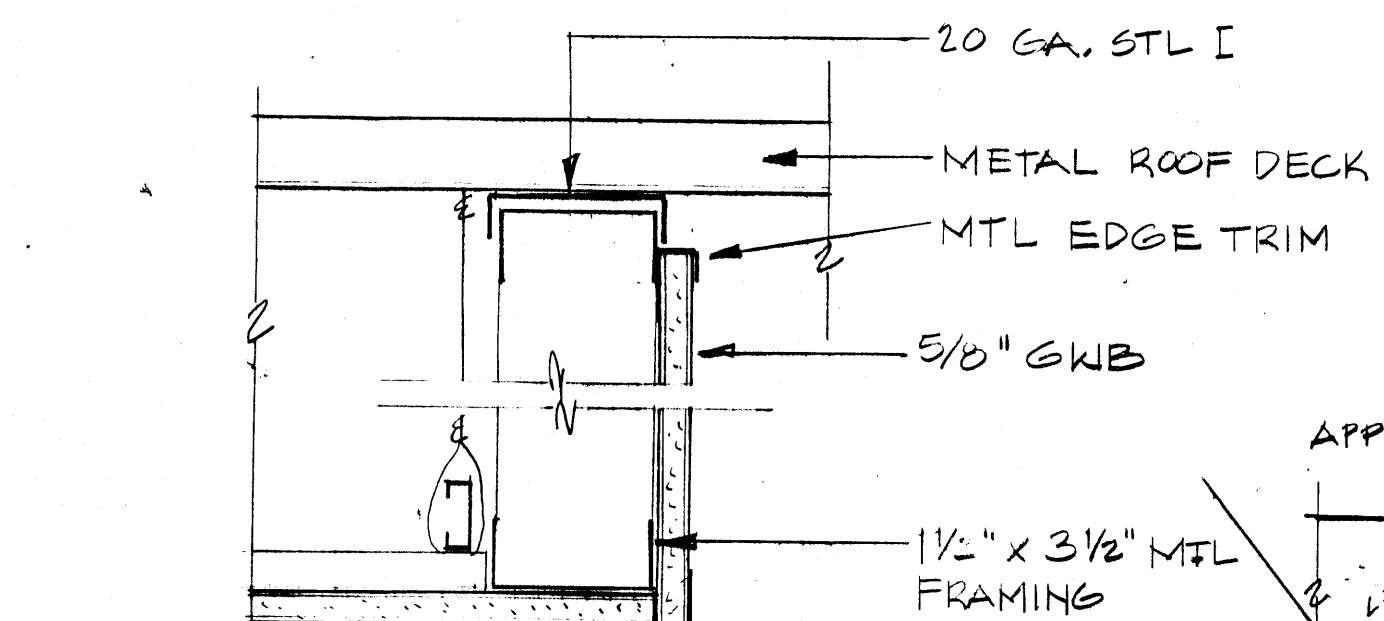
1 HANGAR (00)
8.2 NORTH



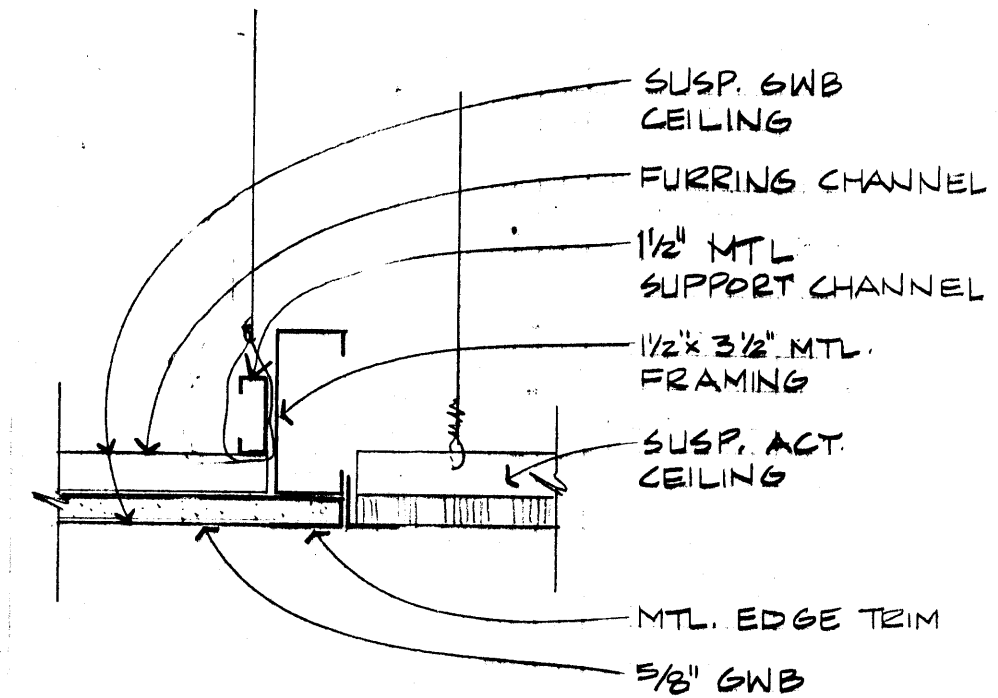
2 INSUL. PANEL / PARTITION
A-8.2 WALL 3\"/>



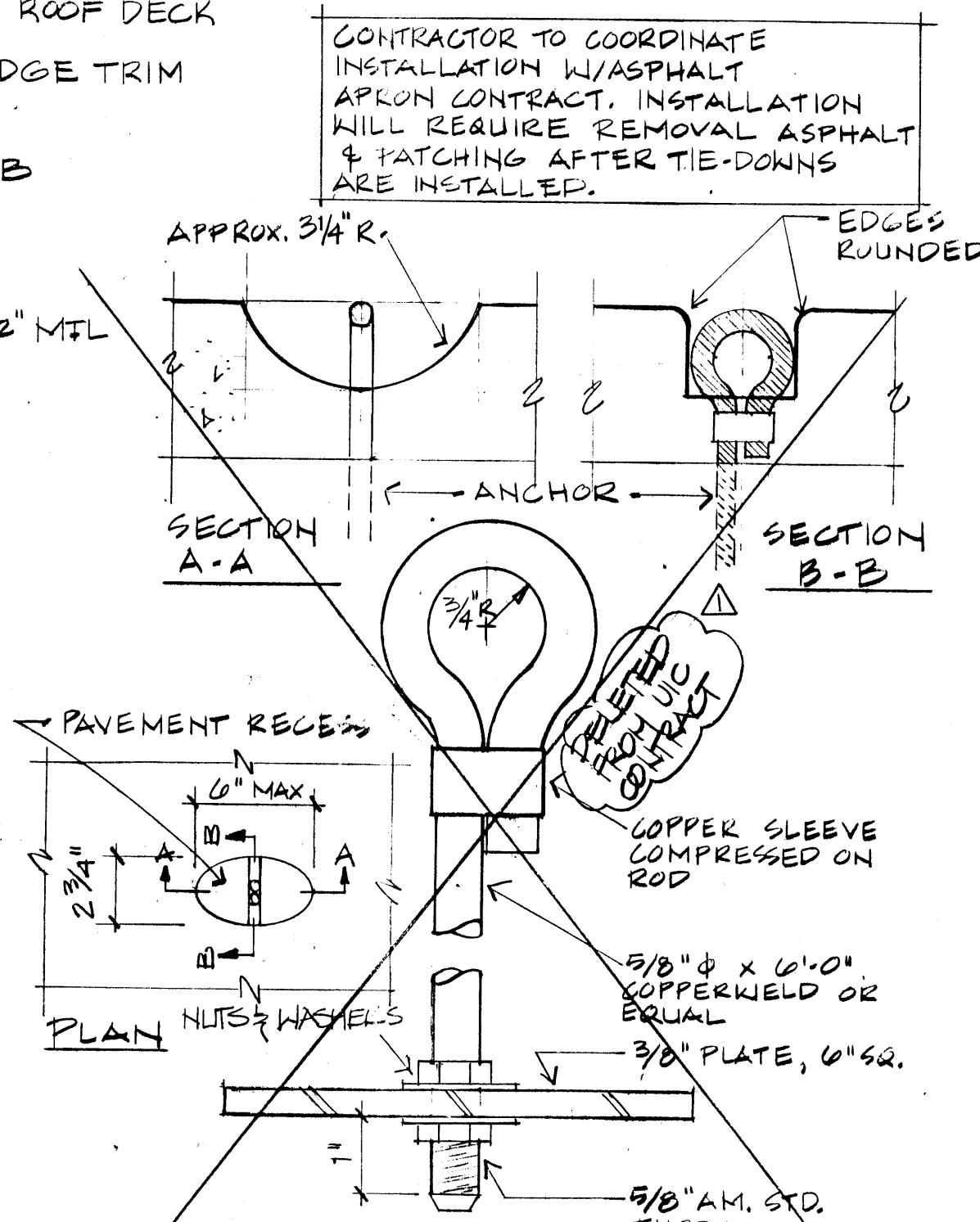
3 PARTITION WALL @
A-8.2 CEILING 3\"/>



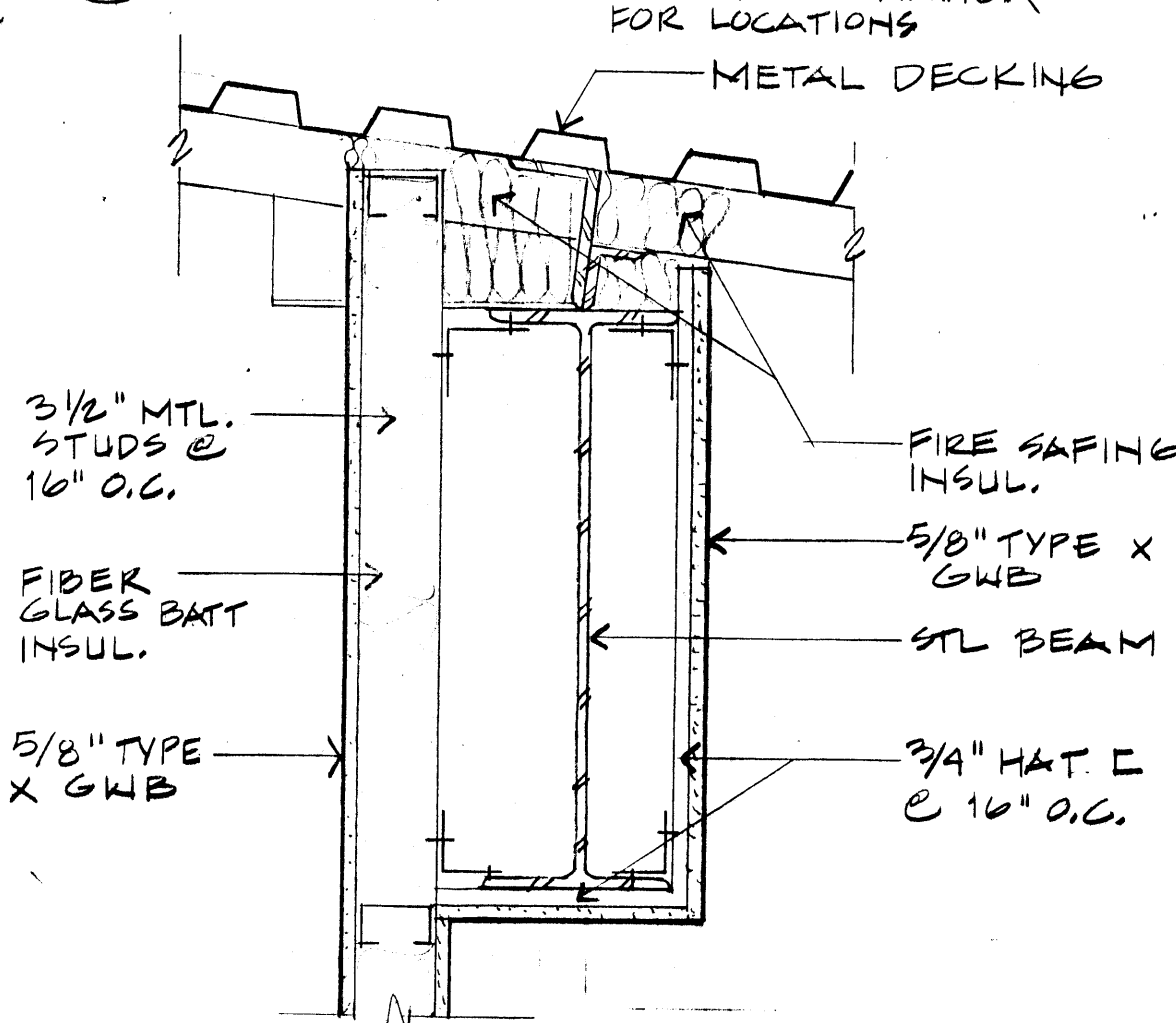
4 GWB SOFFIT
A-8.2 LOCKERS 206 3\"/>



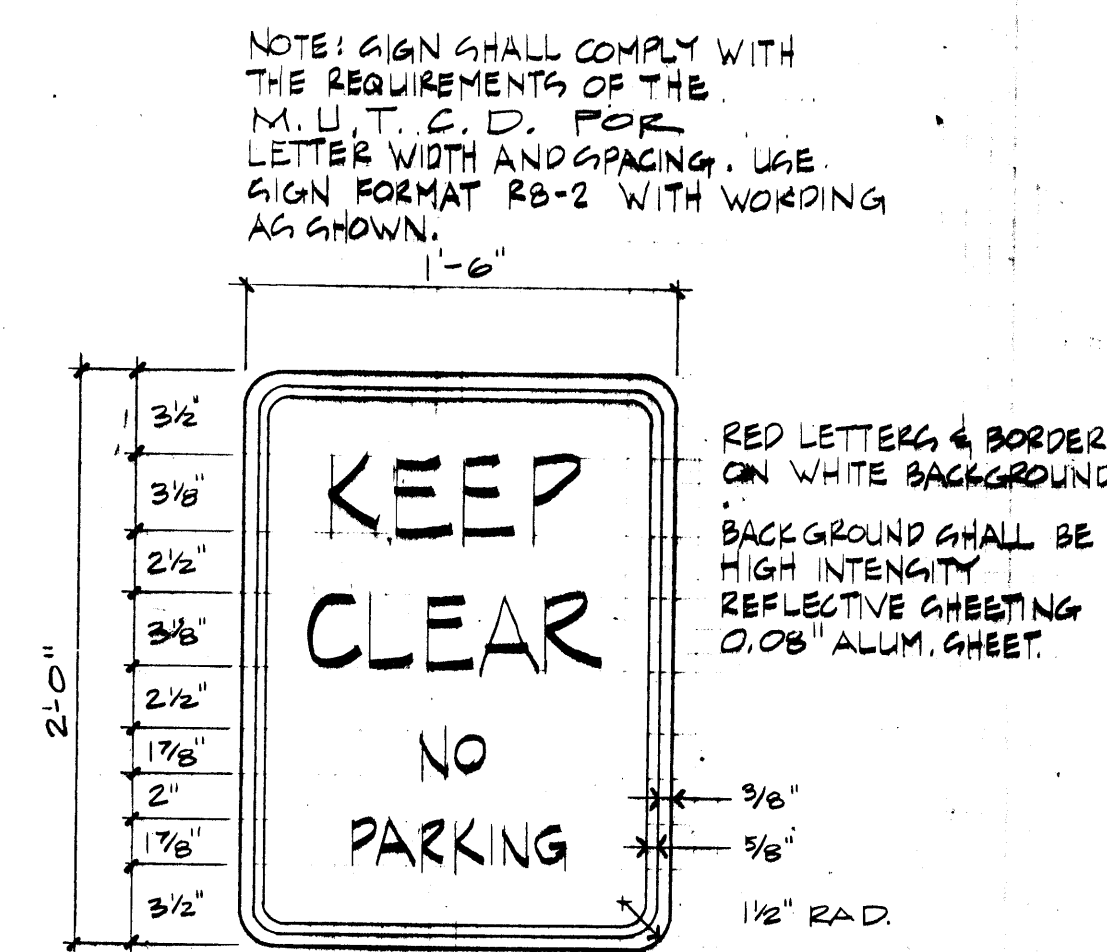
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A-8.2 3\"/>



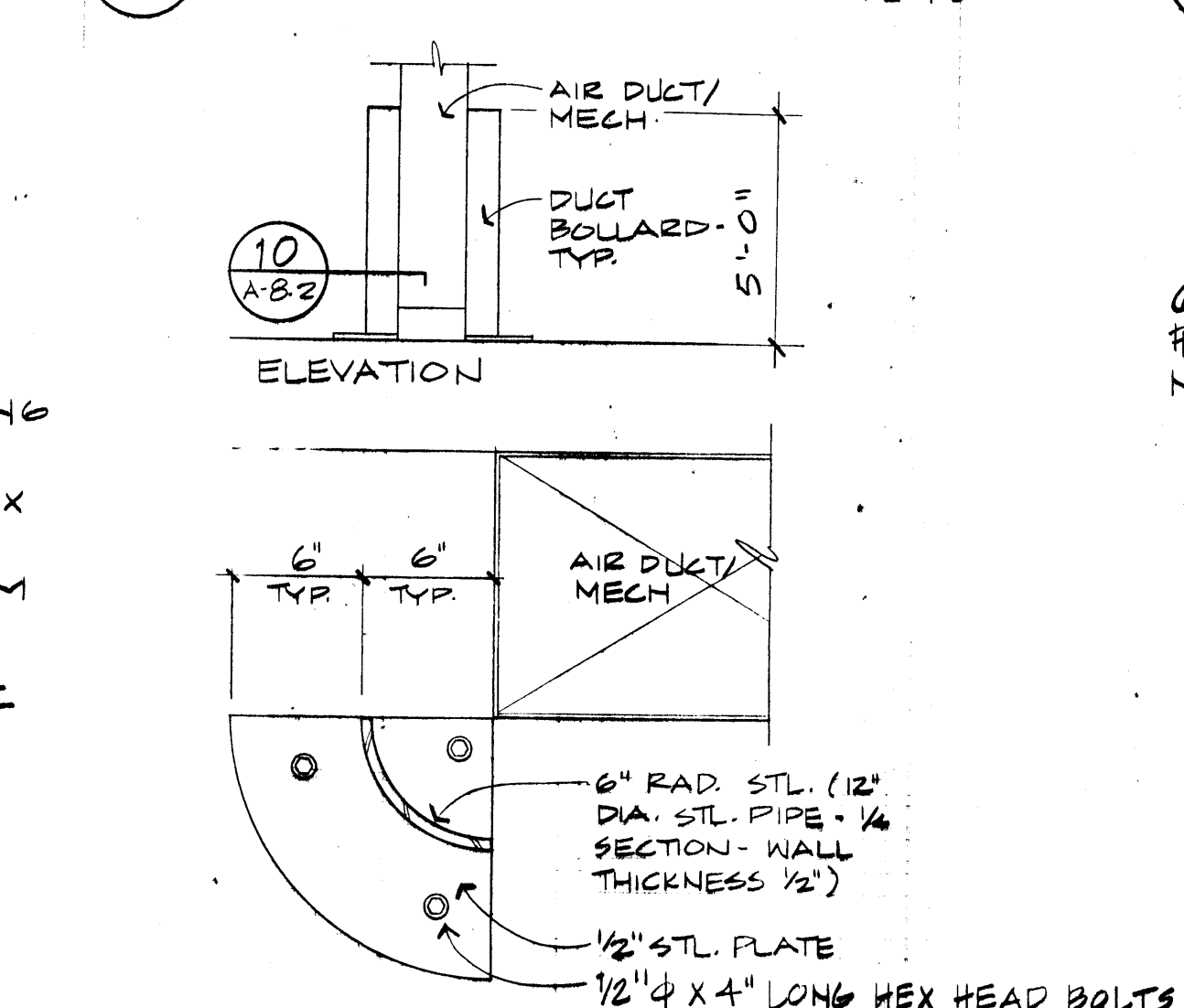
7 AIRCRAFT TIE DOWNS
A-8.2 N.T.S. SEE CIVIL DRAWINGS FOR LOCATIONS



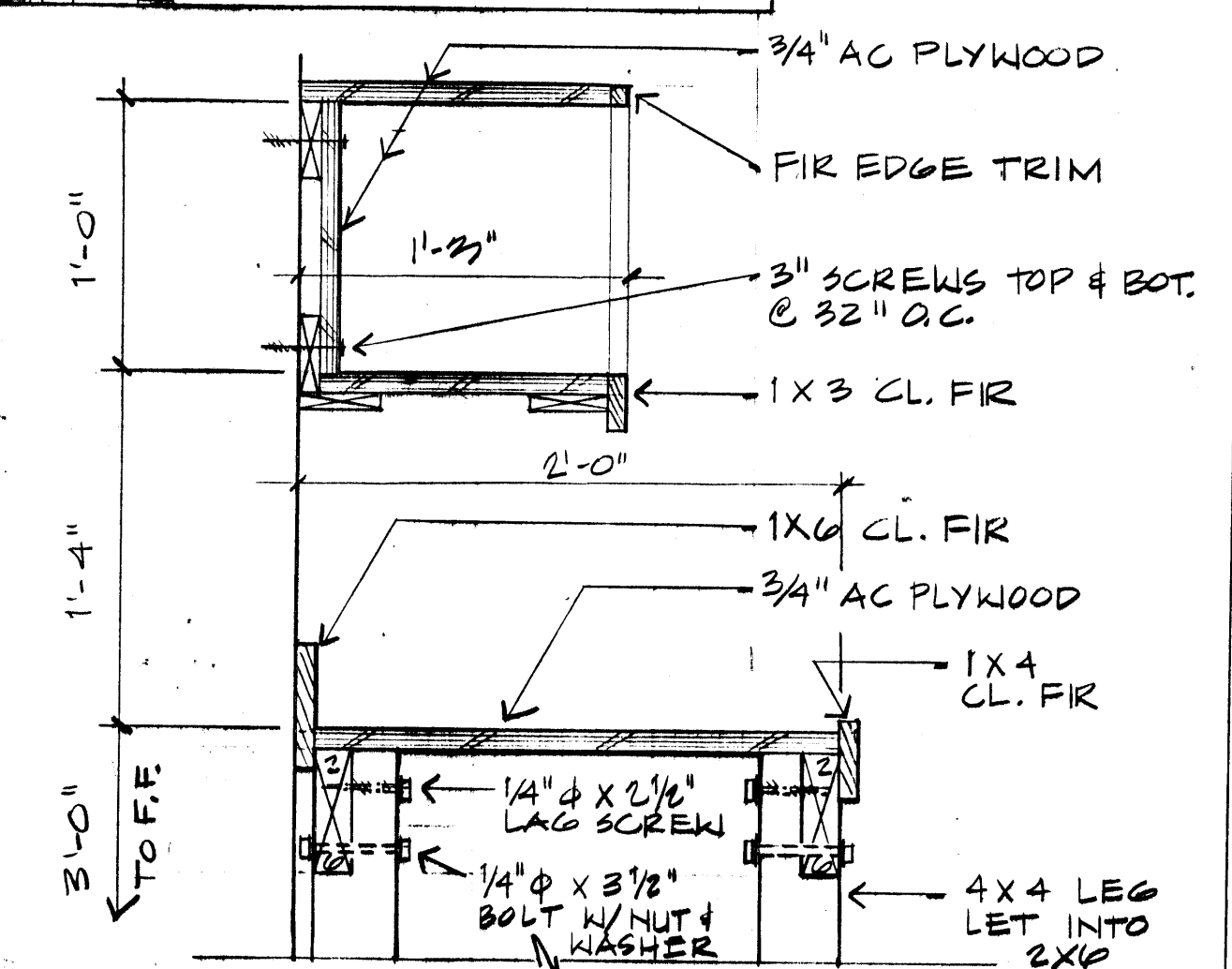
8 1-HR WALL @ ROOF
A-8.2 1 1/2\"/>



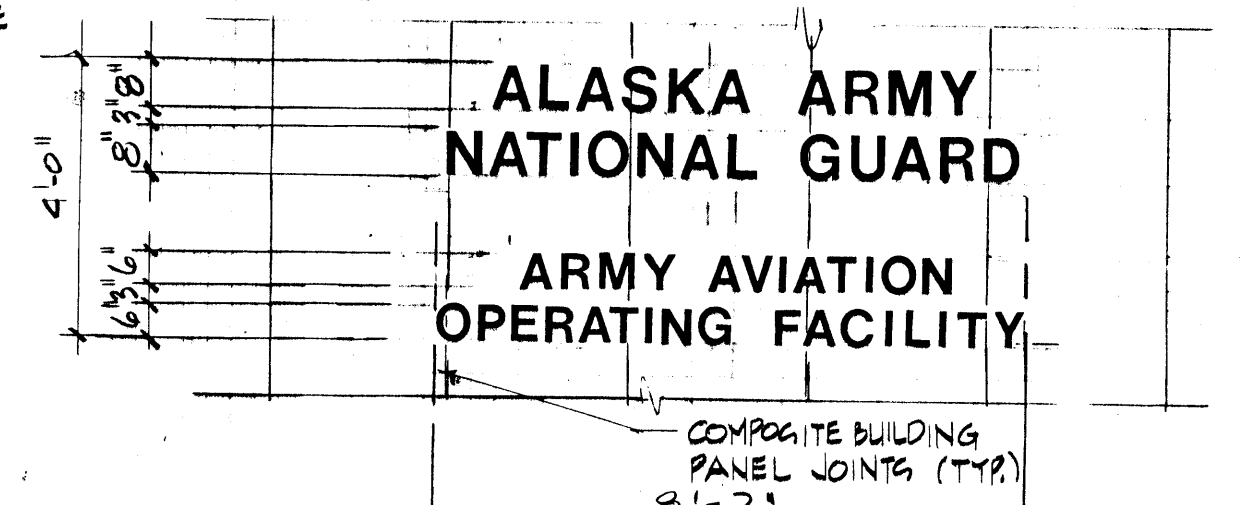
9 NO PARKING SIGN
A-8.2 1 1/2\"/>



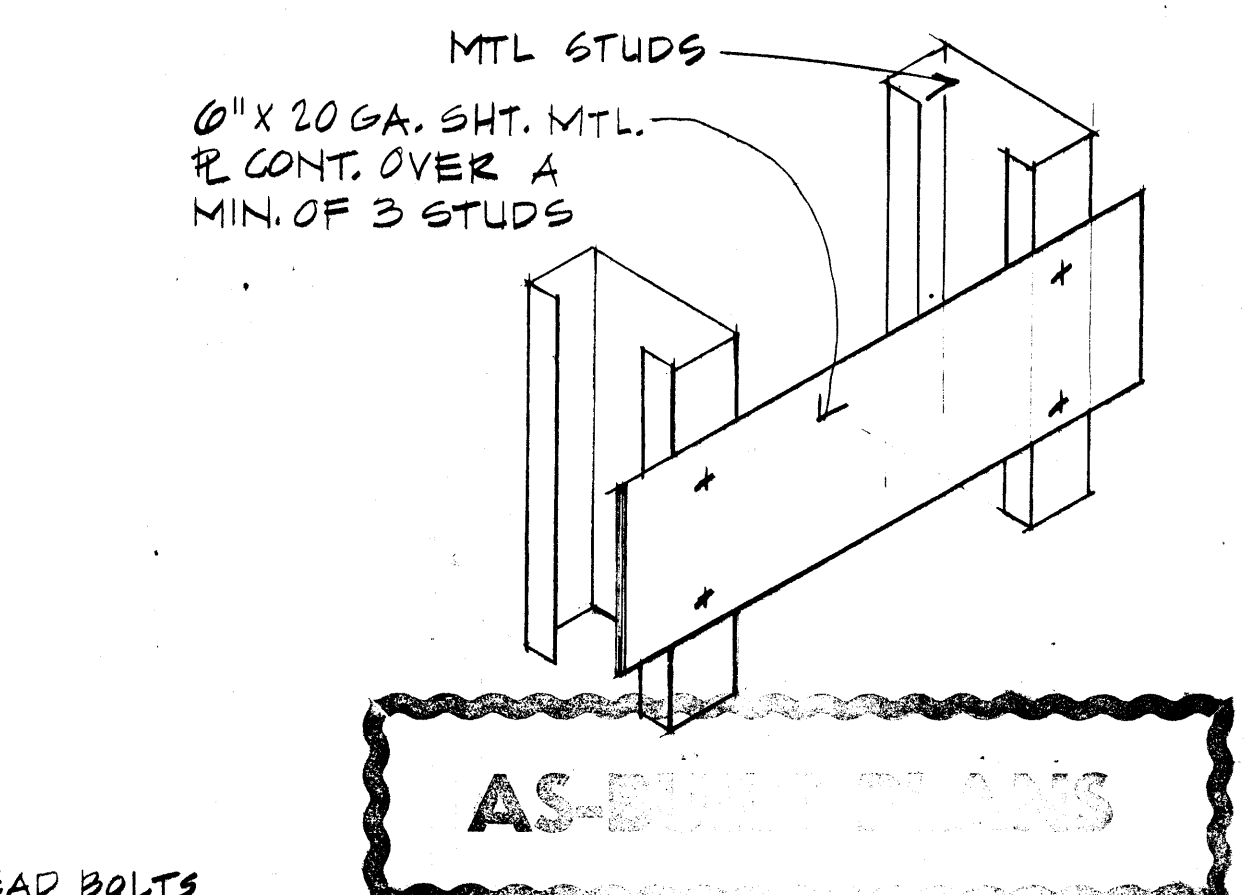
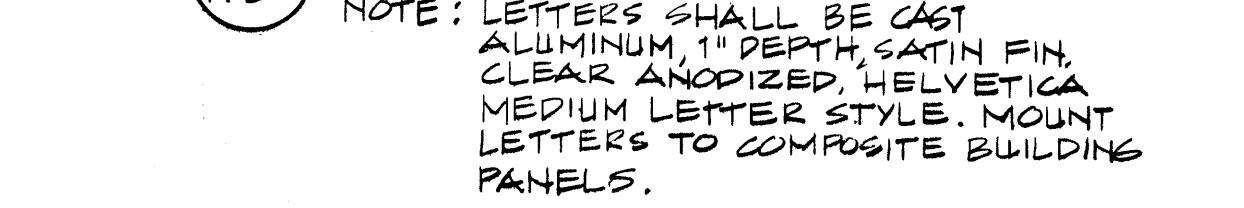
10 DUCT BOLLARD
A-8.2 3\"/>



11 BATTERY CABINET
A-8.2 & SHELF 1 1/2\"/>



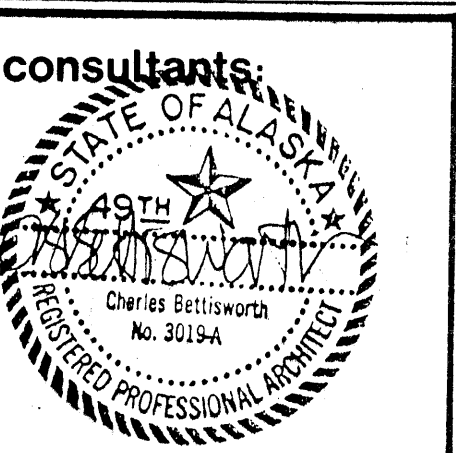
12 BUILDING SIGN
A-8.2 3/8\"/>



13 TYPICAL MOUNTING BRACKET
A-8.2 FOR WALL MOUNTED ITEMS N.T.S.

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ARMY AVIATION OPERATIONS
FACILITY

For the Dept. of Military Affairs
D.O.T.P.F./State of Alaska

job no. 66
drawn by M.W.
date 7/18/88
AS-BUILT REVISIONS
7/10/90

INTERIOR
ELEVATIONS
DETAILS

A-8.2



consultants:

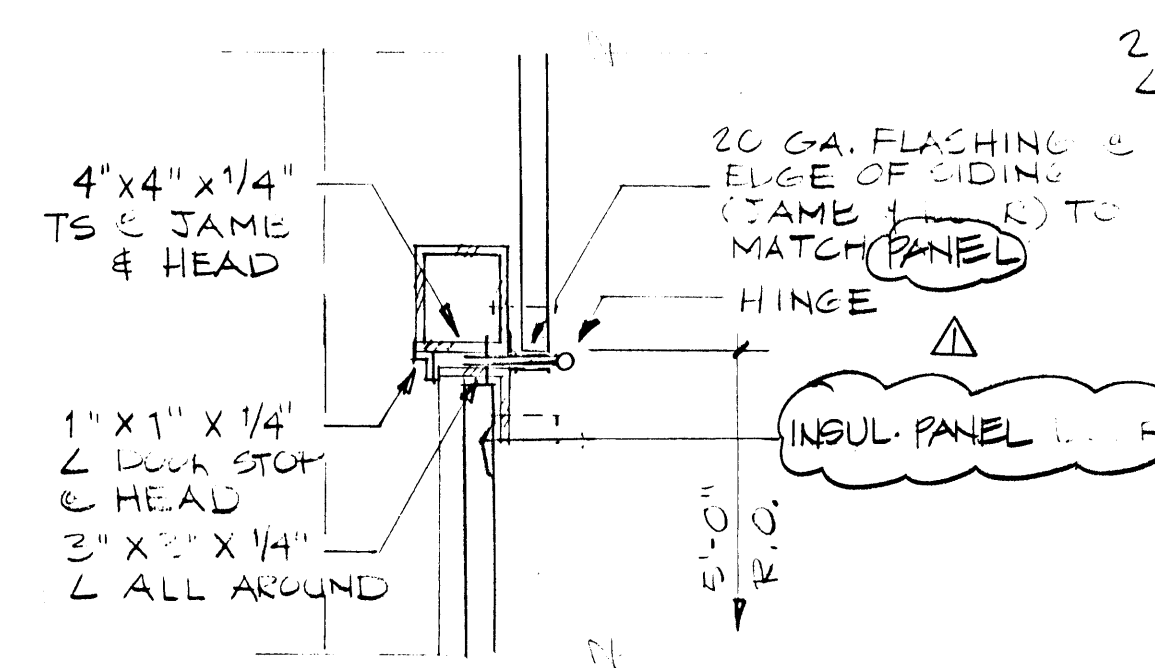
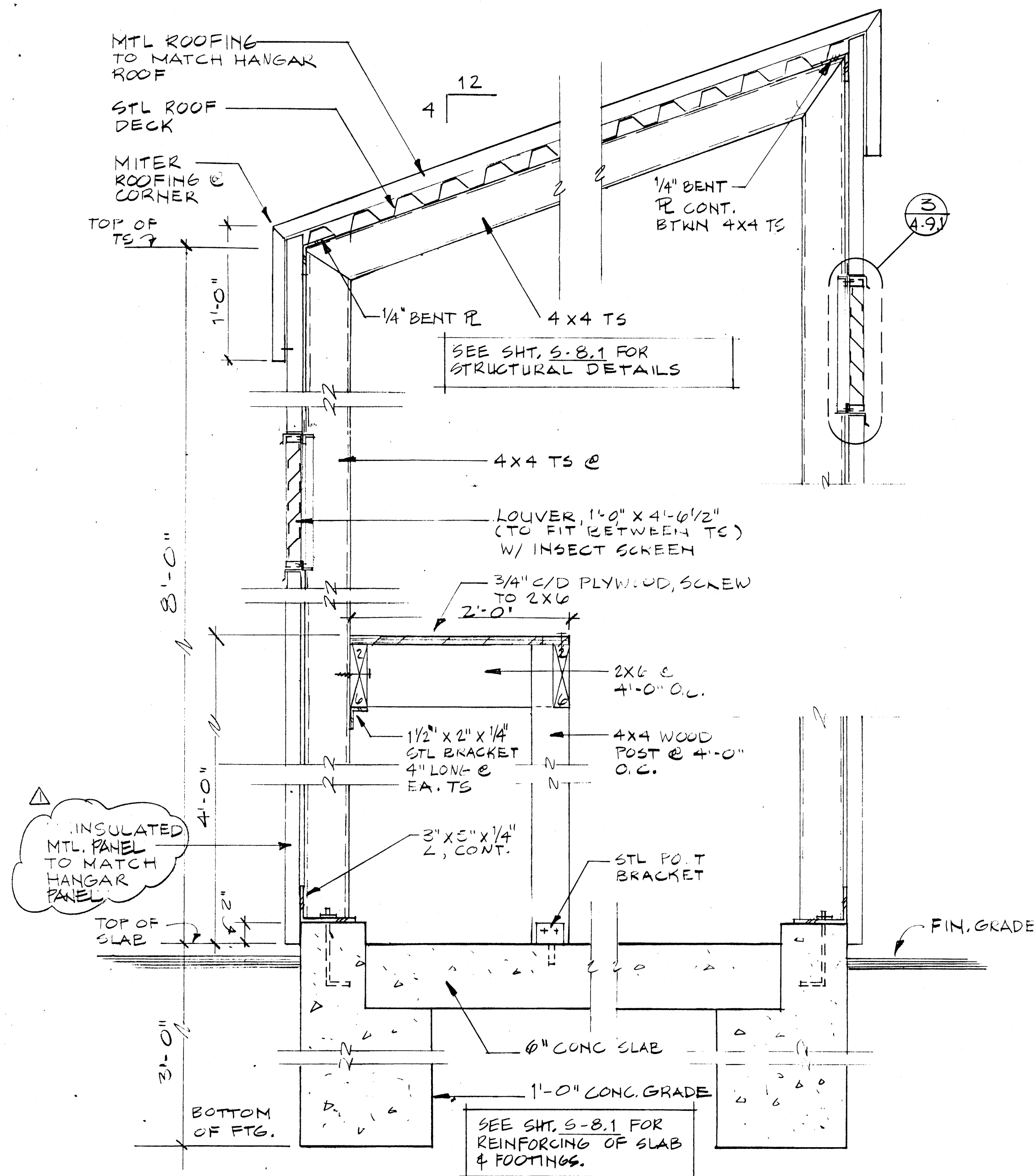
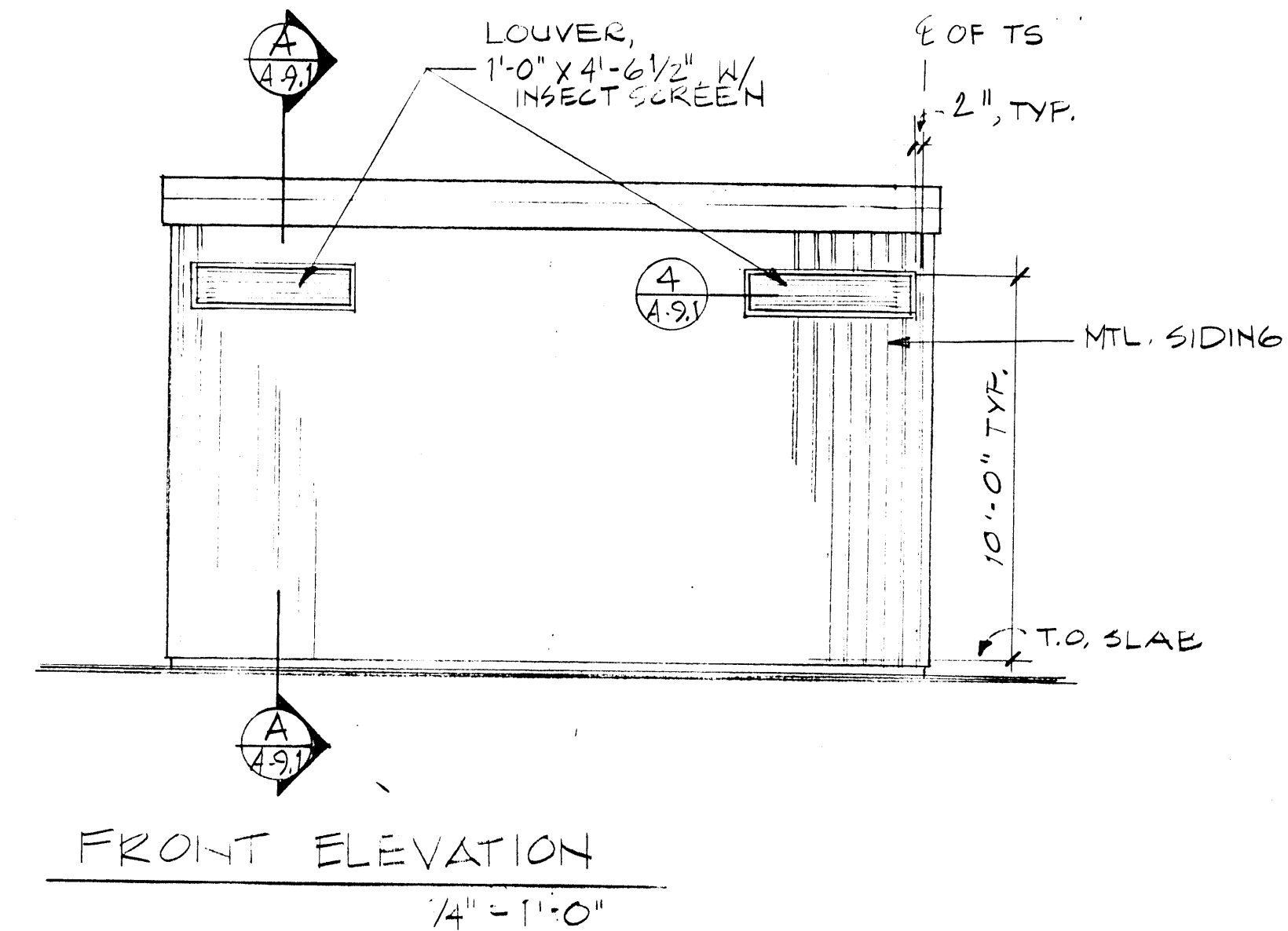
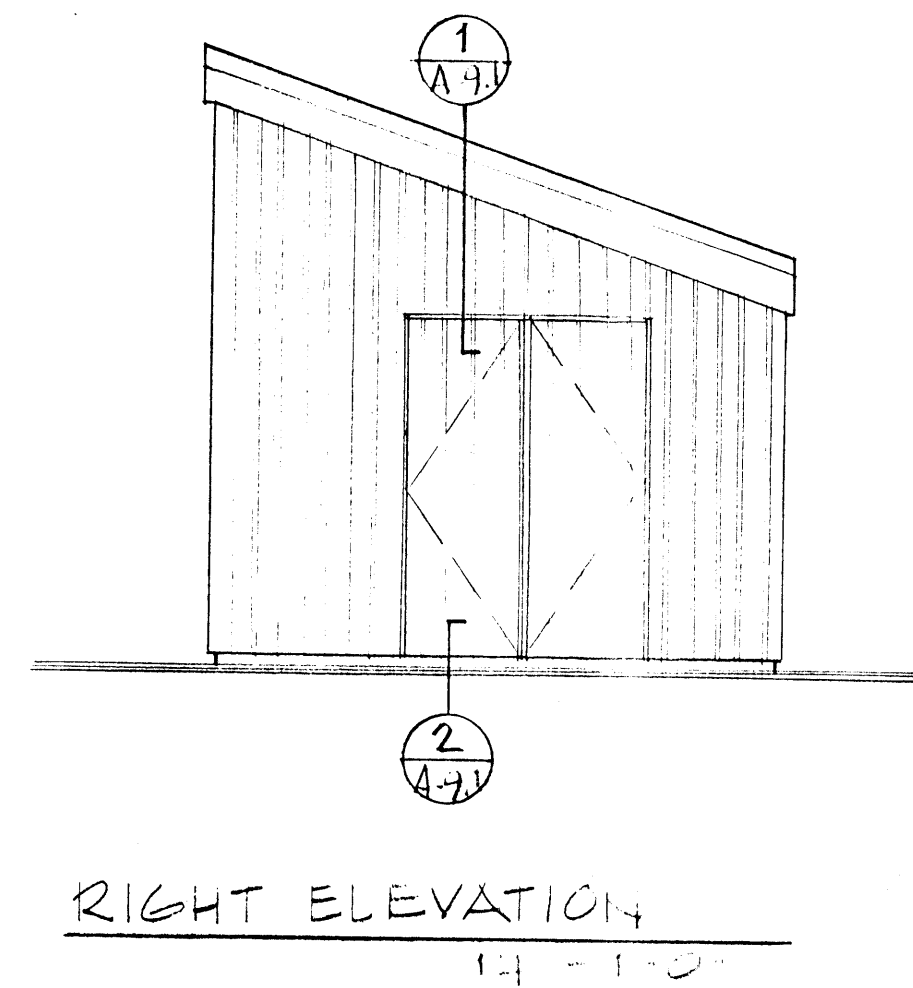
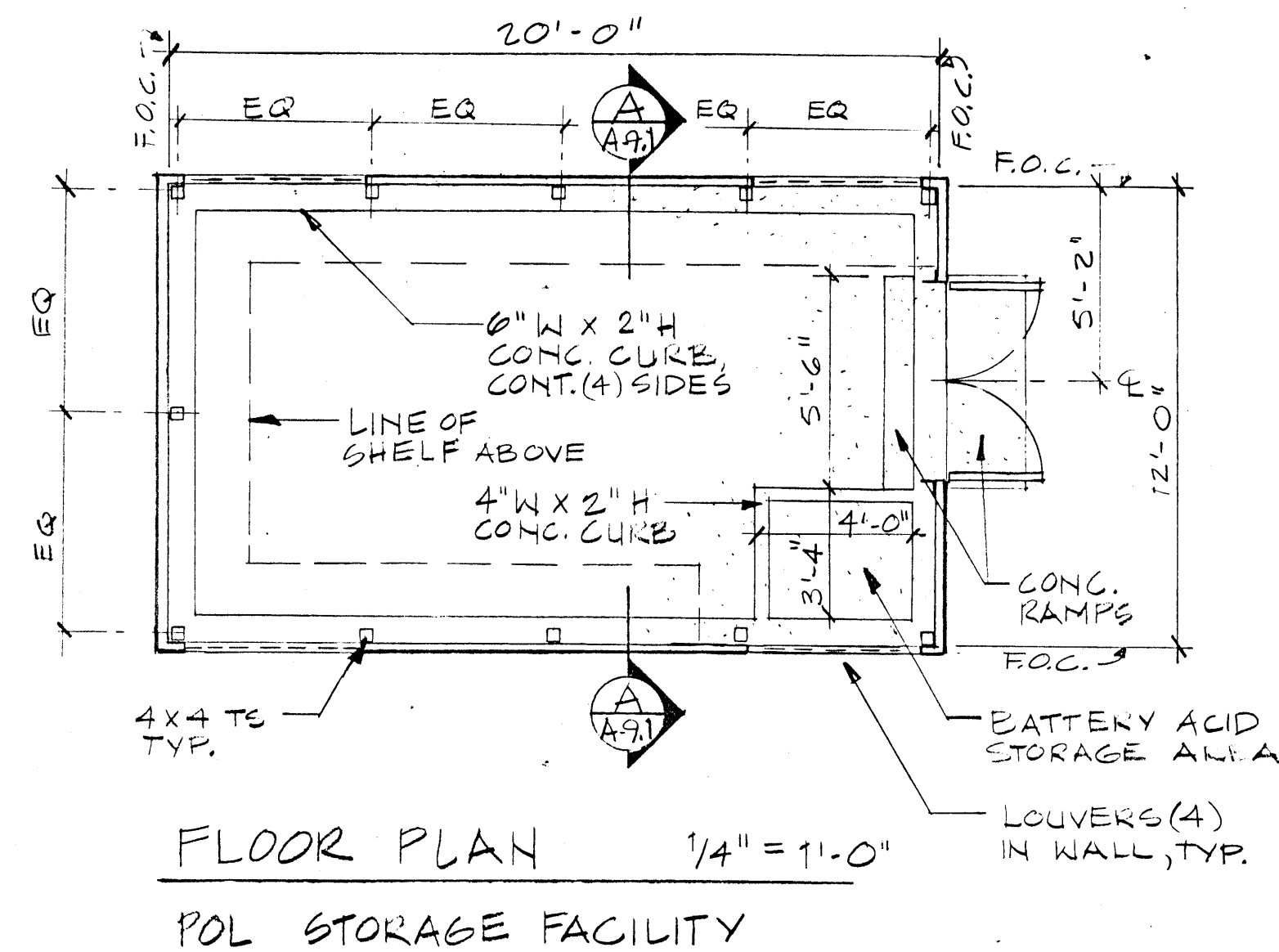
**ARMY AVIATION OPERATIONS
FACILITY - NOME, ALASKA**

For the Dept. of Military Affairs
D.O.T.P.F./State of Alaska

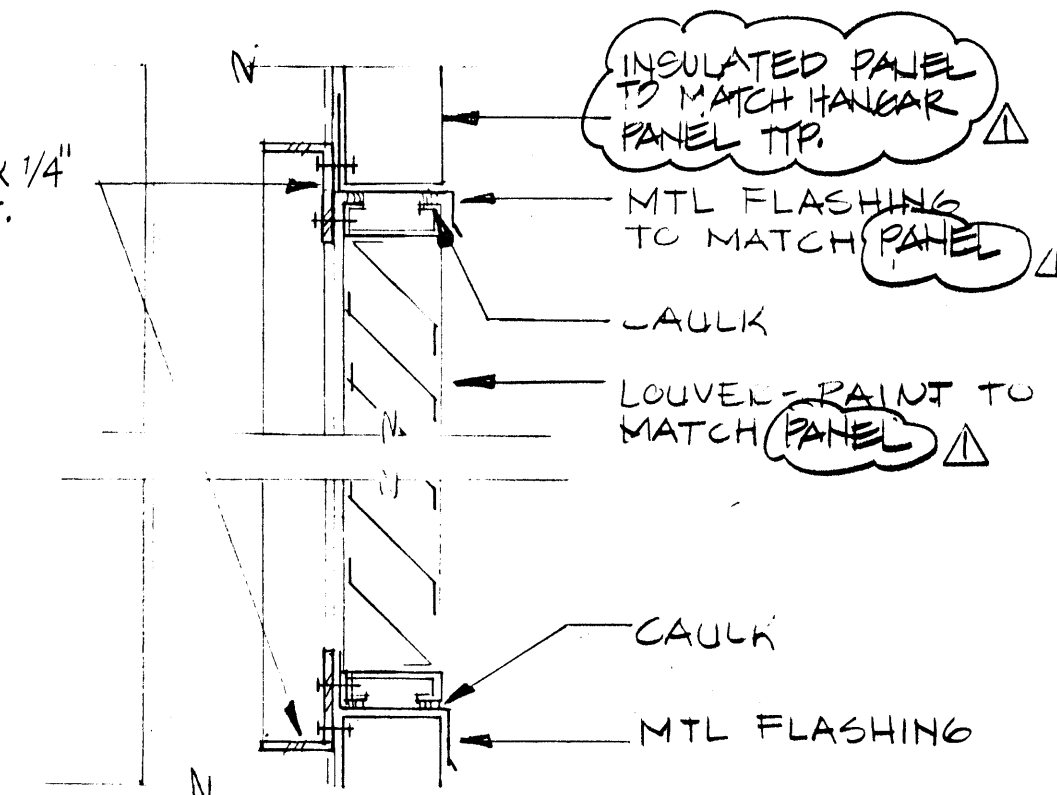
job no.
drawn by M.S.
date 7-28-88
AS-BUILT REVISIONS
9/15/90

POL STORAGE FACILITY

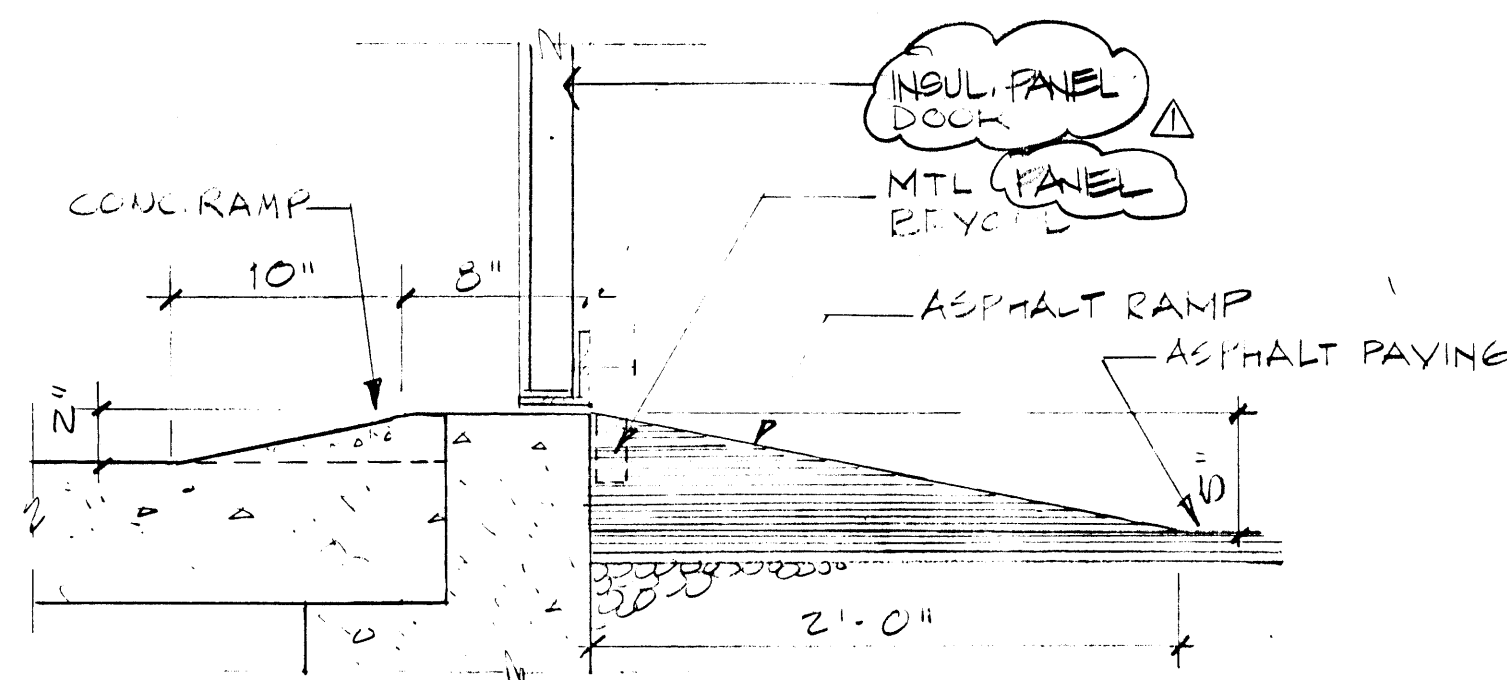
A-9.1



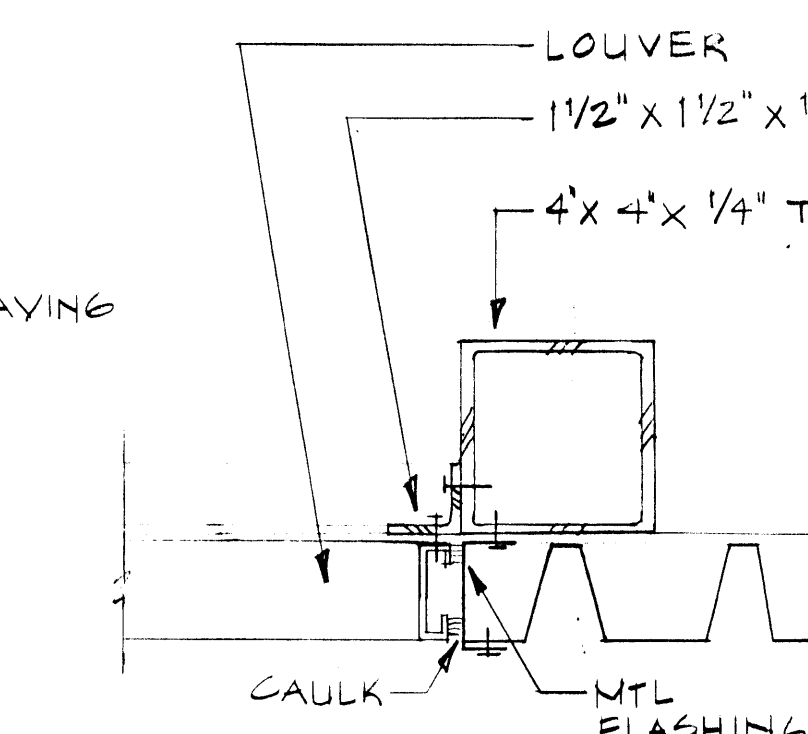
1 HEAD-JAMB SIMILAR
A-9.1 DOOR @ POL STG. FAC. 1 1/2" = 1'-0"



3 LOUVER
A-9.1 HEAD/SILL 3" = 1'-0"



2 SILL
A-9.1 DOOR @ POL STG. FAC. 1 1/2" = 1'-0"

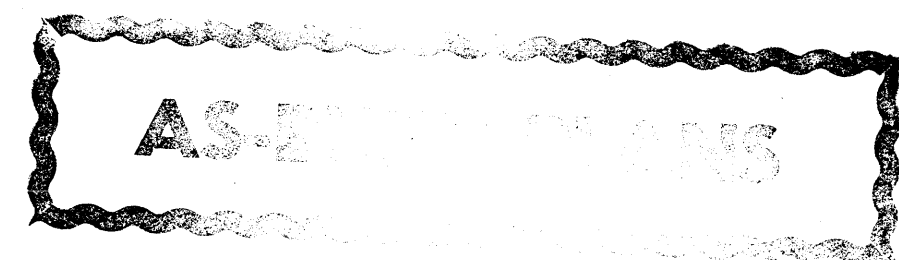


4 LOUVER
A-9.1 JAMB 3" = 1'-0"

GENERAL NOTES

- HARDWARE FOR POL STORAGE FACILITY DOORS IS AS FOLLOWS:
(6) FULL MORTISE HINGES - LAWRENCE BROTHERS # BE-S151
(2) PADLOCK PLATES RICHARD-WILCOX # 139-P4
- SEE CIVIL DRAWINGS FOR LOCATION OF POL STORAGE FACILITY ON PROJECT SITE.
- SEE STRUCTURAL DWGS. FOR REINFORCING IN CONC. SLAB & FOOTINGS.

- FOR ELECTRICAL SERVICE SEE ELEC. DWGS.
- LOUVERS SHALL BE AEROLITE T608 OR APPROVED EQUAL.
- CONCRETE TO RECEIVE HARDENER PER SPEC. SECTION.
- ALL WOOD TO BE A.W.W. TREATED.
- ALL STEEL CONNECTIONS SHALL BE WELDED.
- ALL STEEL TO BE PRIMED AND EXPOSED SURFACES PAINTED.



GENERAL NOTES & DETAILS

1. GENERAL:

Unless noted otherwise, all construction shall conform to the requirements of the specifications and the code references contained therein. If interpretation of the structural documents is necessary, contact the Structural Engineer.

In addition to dead loads, the structure was designed for the following live loads in general conformance with the 1985 Edition of the Uniform Building Code.

Design Wind Speed = 110 m.p.h., Exposure C, Essential Facility
Design Snow Load = 60 p.s.f., Based on a Ground Snow Load = 80 psf
Seismic Design : Zone 3, K = 1.0 (Braced Steel Frame), CS = 0.14, Essential Facility

Floor Live Load = 150 p.s.f. or AASHTO H-15 (First Floor Slab in the Hangar, Mechanical, Storage and Maintenance Bays)

= 50 p.s.f., plus 20 p.s.f. for partition loads (Second Floor Office Area)

= 100 p.s.f. (Stairs and Landings)

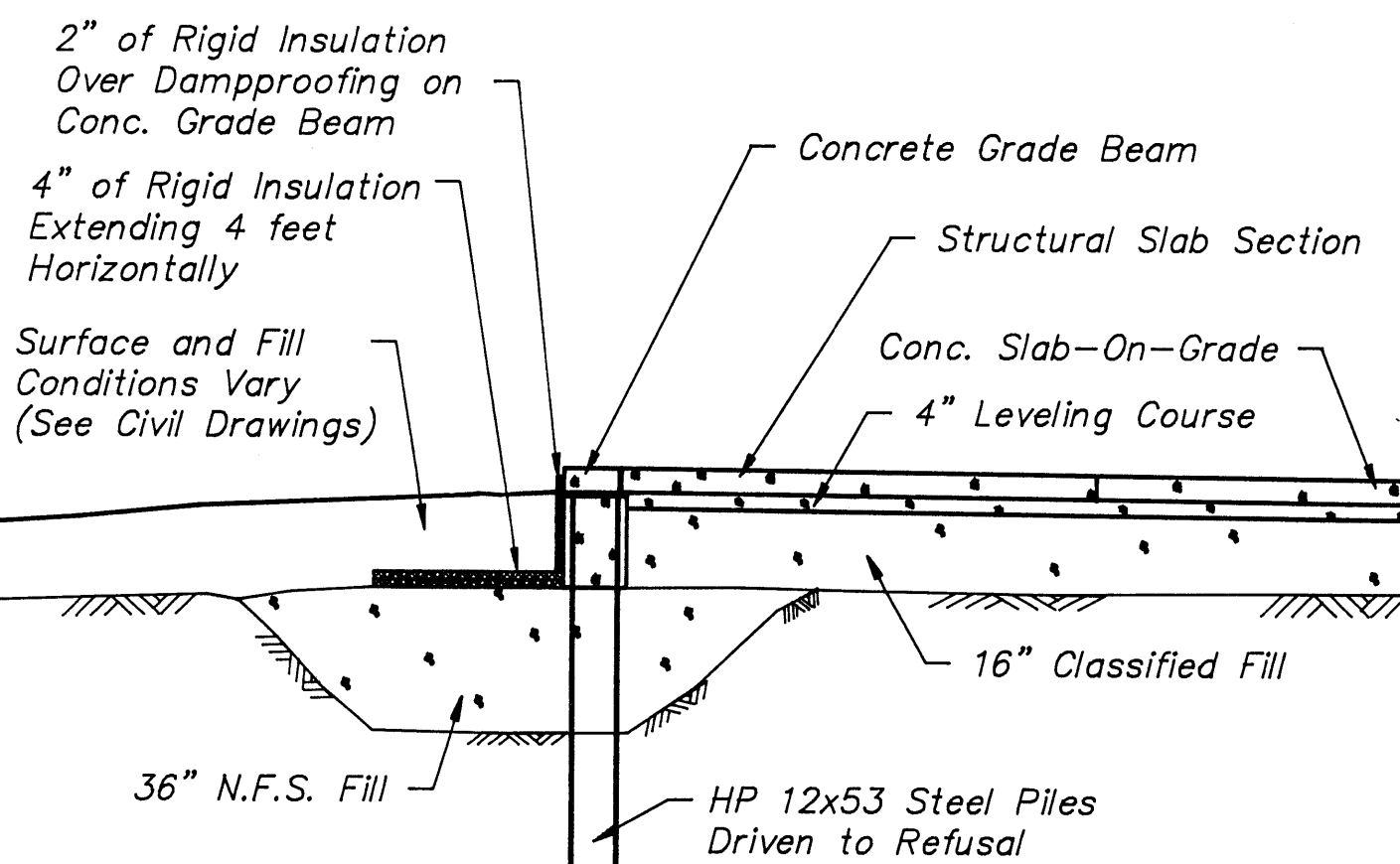
2. SITE PREPARATION:

A geotechnical investigation was prepared for this site by Harding Lawson Associates who prepared a report (HAL Job No. 17097,003.08) for this site, including recommendations for foundation design and site preparation.

Earthwork shall be performed for the site as described in Division 2 of the Specifications. A general description of the site preparation for the building foundation is shown below:

STEEL PILES:

Steel piles shall be supplied and driven as described in Section 02300 of the Specifications. Steel for the piles shall conform to ASTM A36. The piles shall be driven to refusal into rock with a pile hammer delivering 22,500 foot pounds of energy and reaching a final blow count of 8 blows per inch average for the final foot of driving. Based on the geotechnical report referenced above, an allowable pile capacity of 150 kips per pile was used for design purposes.



Note:
This Drawing is Intended to Show General Site Preparation Information Only. (See Specifications and Other Drawings for More Detailed Requirements)

TYP. BLDG. SITE PREPARATION A

1/4" = 1'-0"

3. CONCRETE:

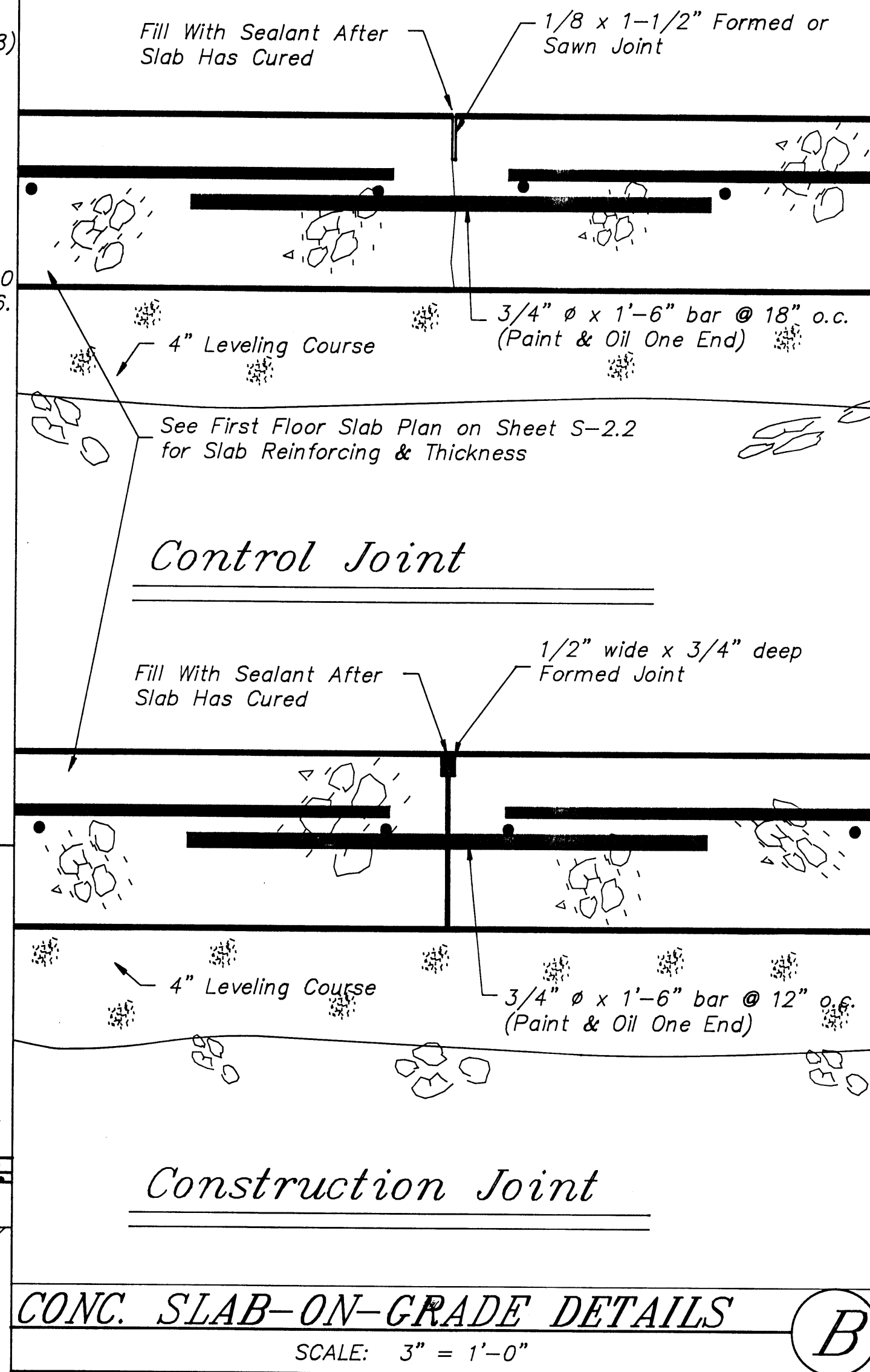
Concrete work shall be performed as described in Division 3 of the Specifications

a) Concrete properties shall be as follows for the indicated use:

USE	Fc'	SLUMP
Footings & Grade Beams	3000 p.s.i.	4"-5"
Slabs on Grade	3000 p.s.i.	2"-3"
Elevated Slabs	3000 p.s.i.	3"-4"
Non-Shrink Grout	4000 p.s.i.	dry pack
Aprons, Stoops, Walks	3000 p.s.i.	3"-4"

b) Reinforcing Steel for concrete shall conform to ASTM A615, Grade 60.

c) Control and construction joints, noted on the drawings as c.j. shall be constructed as shown below. Placement sequence will determine which joints are control joints and which joints are construction joints, except that where concrete placement is discontinued for more than (1) hour, a construction joint shall be used. Typical slab-on-grade joints are shown below:



CONC. SLAB-ON-GRADE DETAILS

SCALE: 3" = 1'-0"

5. STEEL:

Steel work shall be performed as described in Division 5 of the Specifications.

a) Structural Steel items shall be constructed as described in Section 05100 of the Specifications. Steel shall be of the grade noted below:

- 1) Structural Steel is ASTM A36
- 2) Steel Pipe is ASTM A53
- 3) Steel Tubing is ASTM A500, Grade B

b) Bolts noted as A.B. (anchor bolts) and M.B. (machine bolts) shall conform to ASTM A307. Bolts noted as H.S. (high strength) shall conform to ASTM A325, Type N.

c) Welding shall conform to AWS D1.1-86. Welds shall be 3/16" minimum and continuous unless noted otherwise. Electrodes shall be AWS E70.

d) Steel Joists construction is described in Section 05200 of the Specifications. Steel joists shall be of the type and size shown on the drawings. Special concentrated loads for steel joists are shown on the drawings.

e) Metal Deck shall conform to Section 05300 of the Specifications. The metal roof deck shall be 1-1/2" deep, wide rib, 20 gage, galvanized, steel deck with 36" coverage per sheet. The metal shall conform to ASTM A446, Grade C or E, and shall have the following minimum section properties per foot of width:

$$S = 0.246 \text{ (in.)}^3$$

$$I = 0.213 \text{ (in.)}^4$$

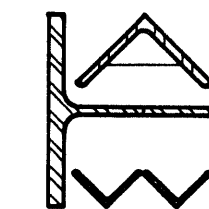
The metal deck shall be attached to the steel framing as shown on the drawings.

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ARMY AVIATION OPERATIONS

FACILITY-

NOME, ALASKA

For the Dept. of Military Affairs
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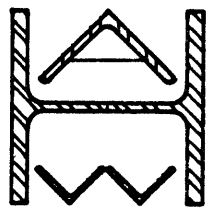
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date 7/12/88

GENERAL
STRUCTURAL
NOTES &
DETAILS

S-1.1



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ARMY AVIATION OPERATIONS

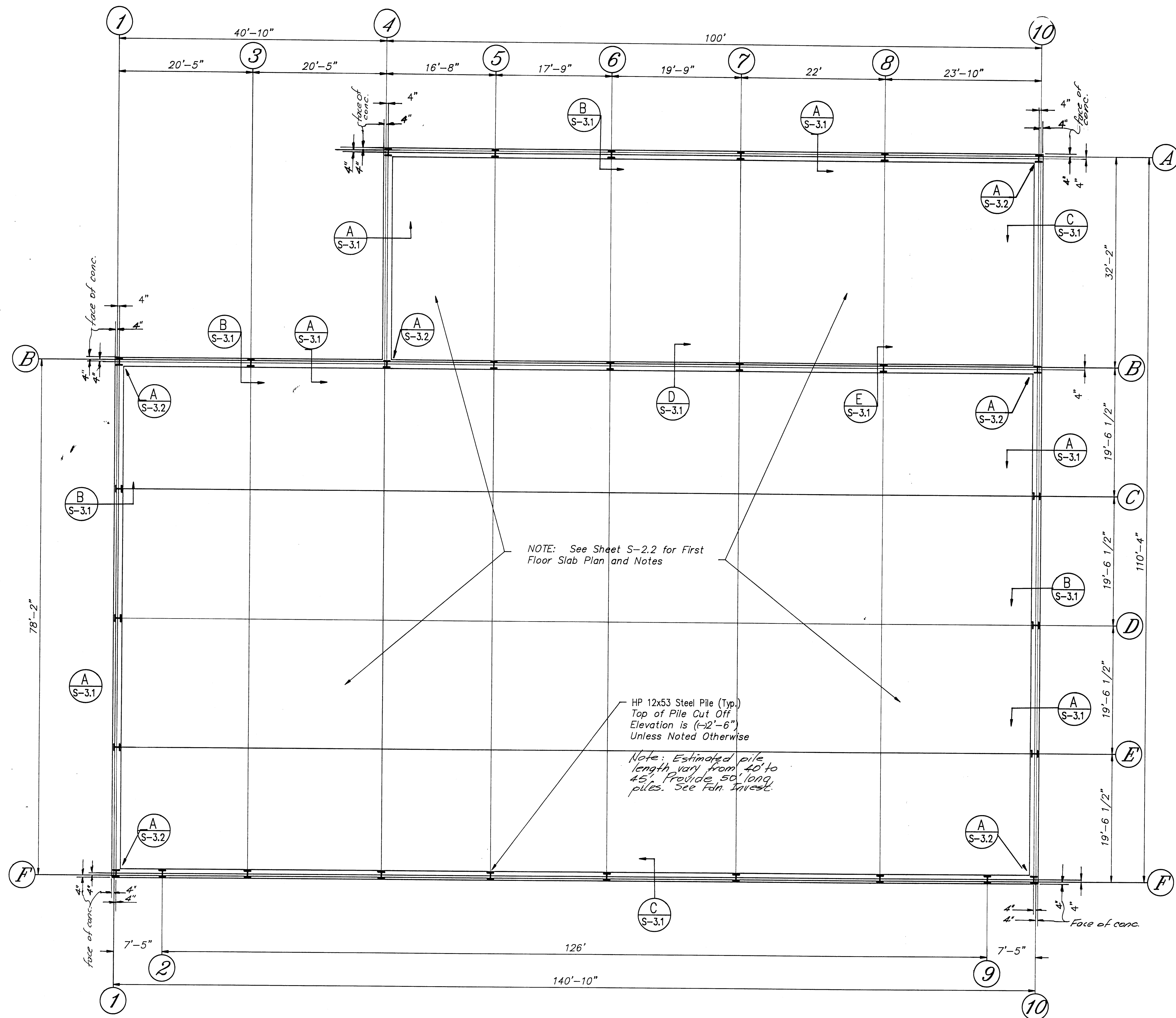
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job no. 66
drawn by ahw
date 7/12/88

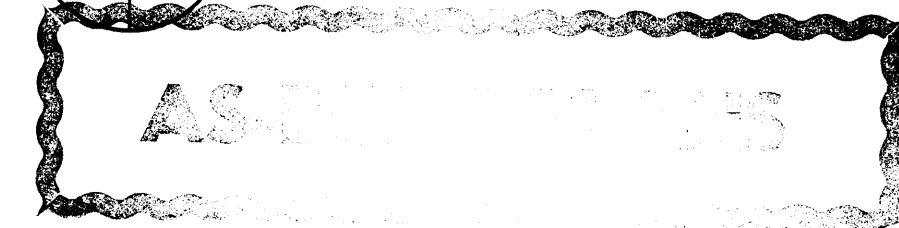
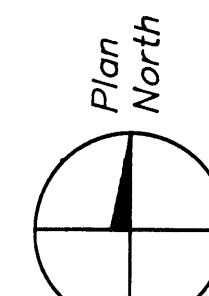
PILING
PLAN

S-2.1



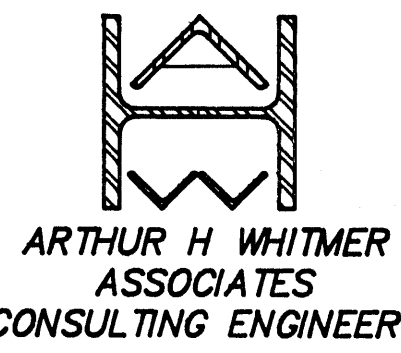
PILING PLAN

1/8" = 1'-0"





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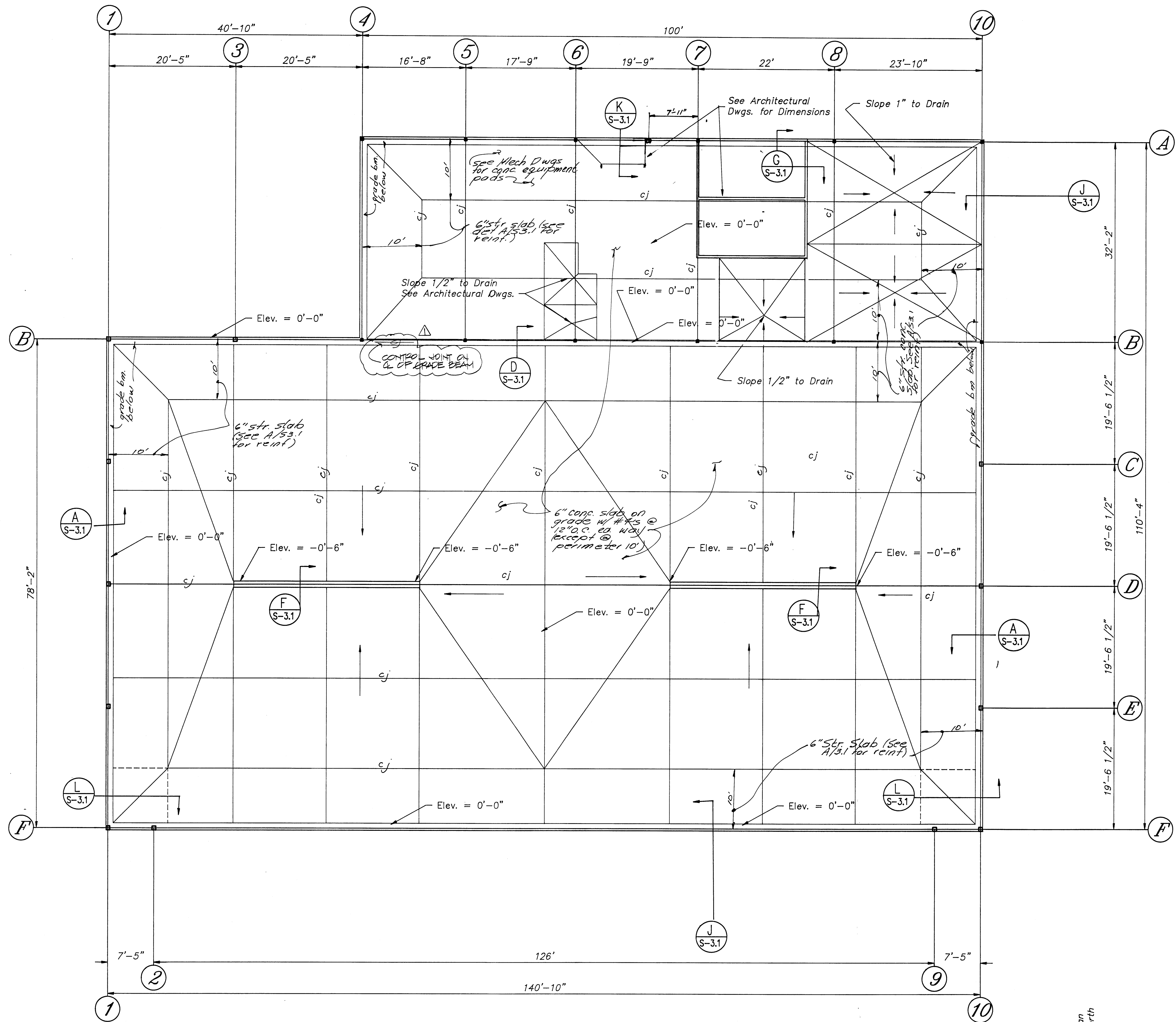
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job no. 66
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date 7/28/82

AS-BUILT REVISIONS
9/5/80

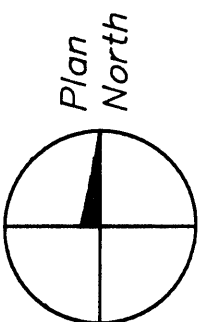
FIRST
FLOOR
SLAB
PLAN

S-2.2



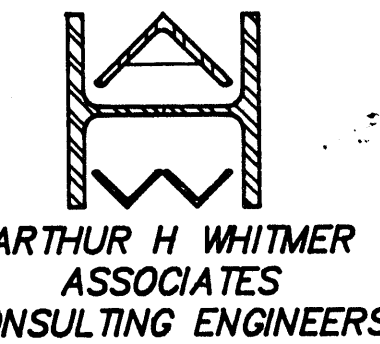
FIRST FLOOR SLAB PLAN

1/8" = 1'-0"





consultants:

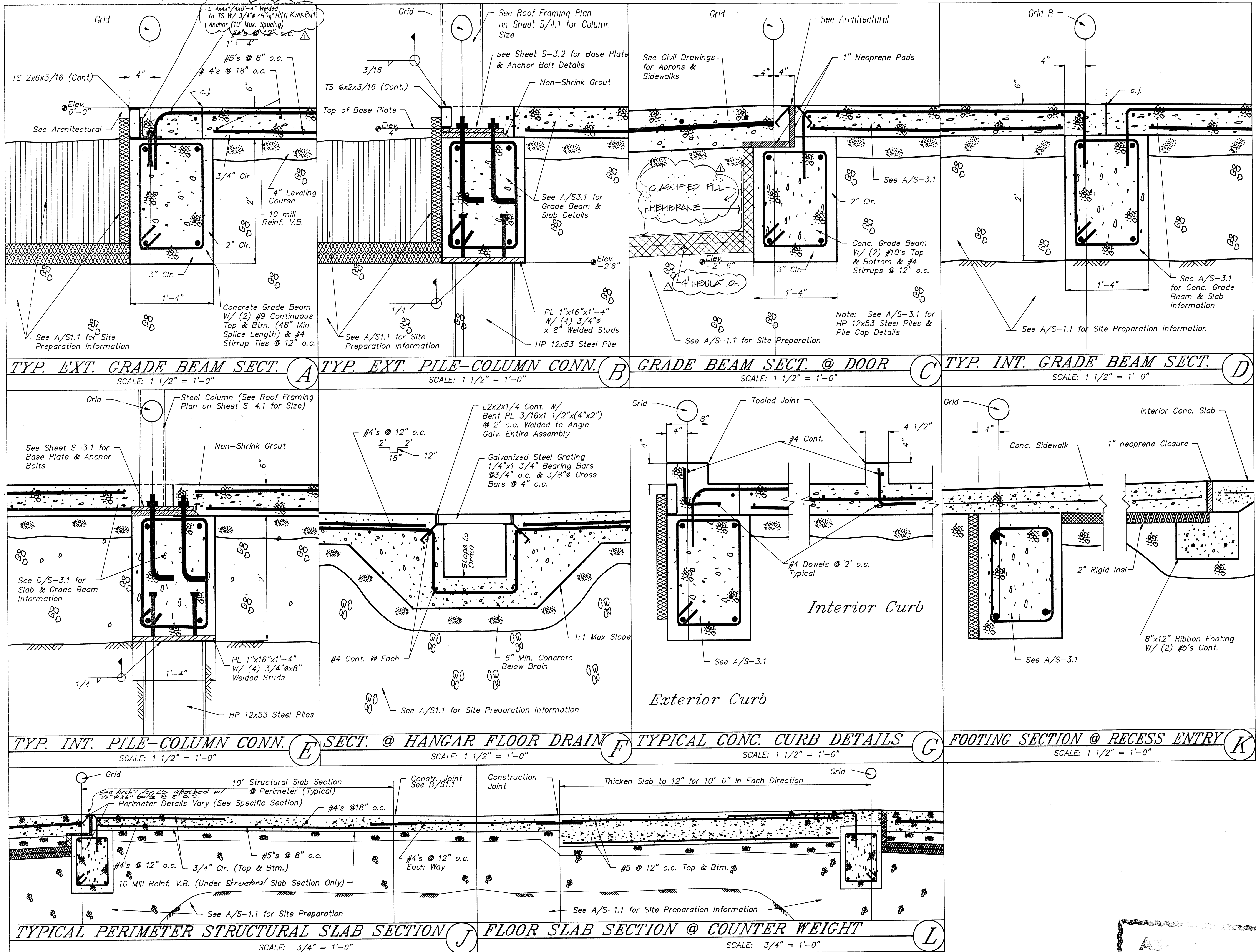


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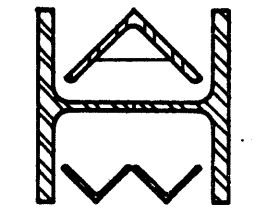
AS-BUILT REVISIONS
9/15/90
FOUNDATION
SECTIONS &
DETAILS

S-3.1





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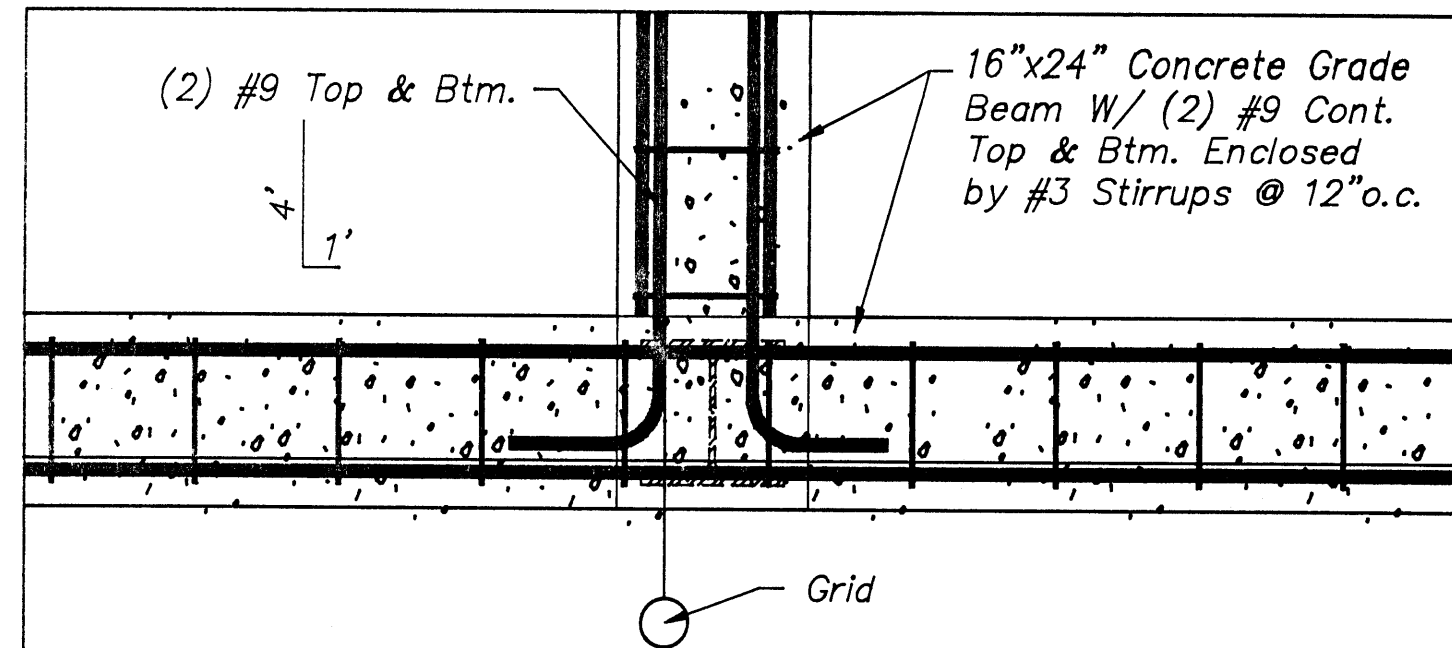
ARMY AVIATION OPERATIONS
FACILITY—
NOME, ALASKA

For the Dept. of Military Affairs
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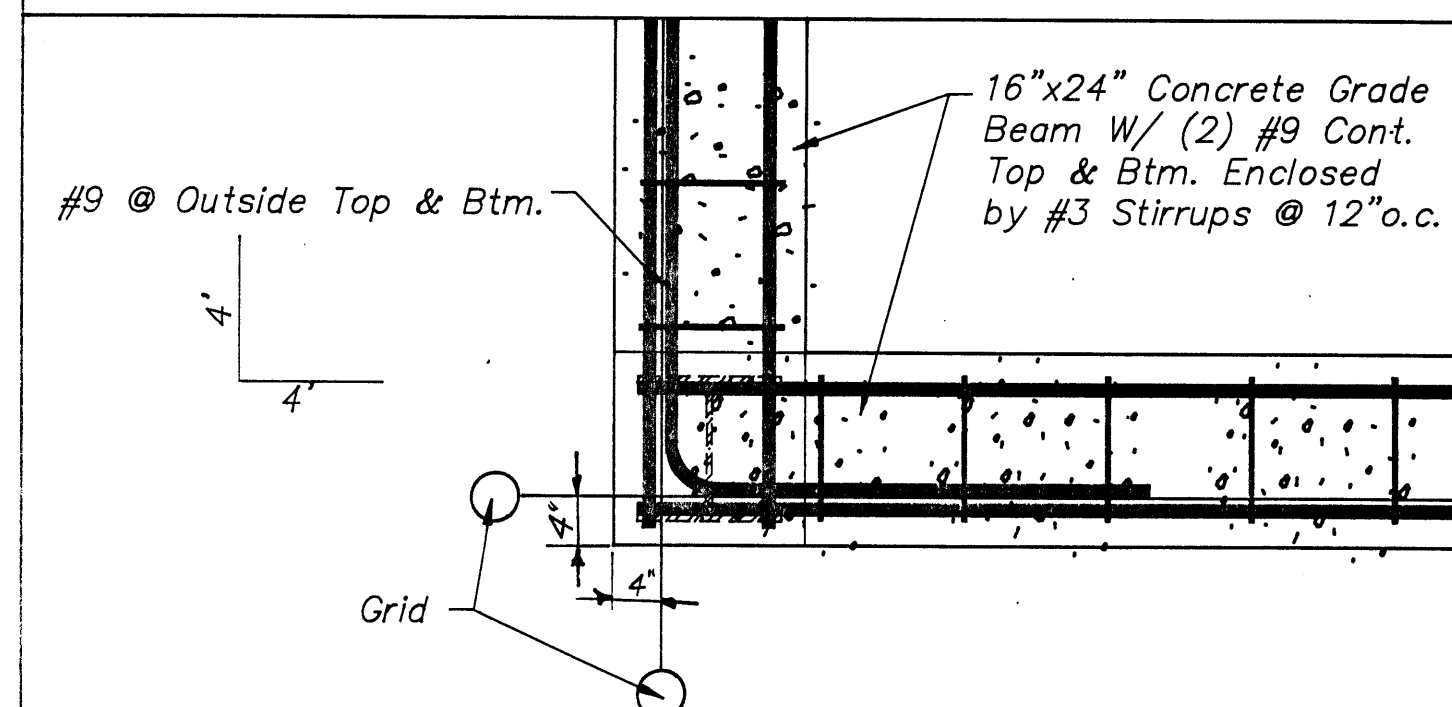
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date 7/13/88

AS-BUILT REVISIONS
9/10/90
FOUNDATION
SECTIONS &
DETAILS

S-3.2

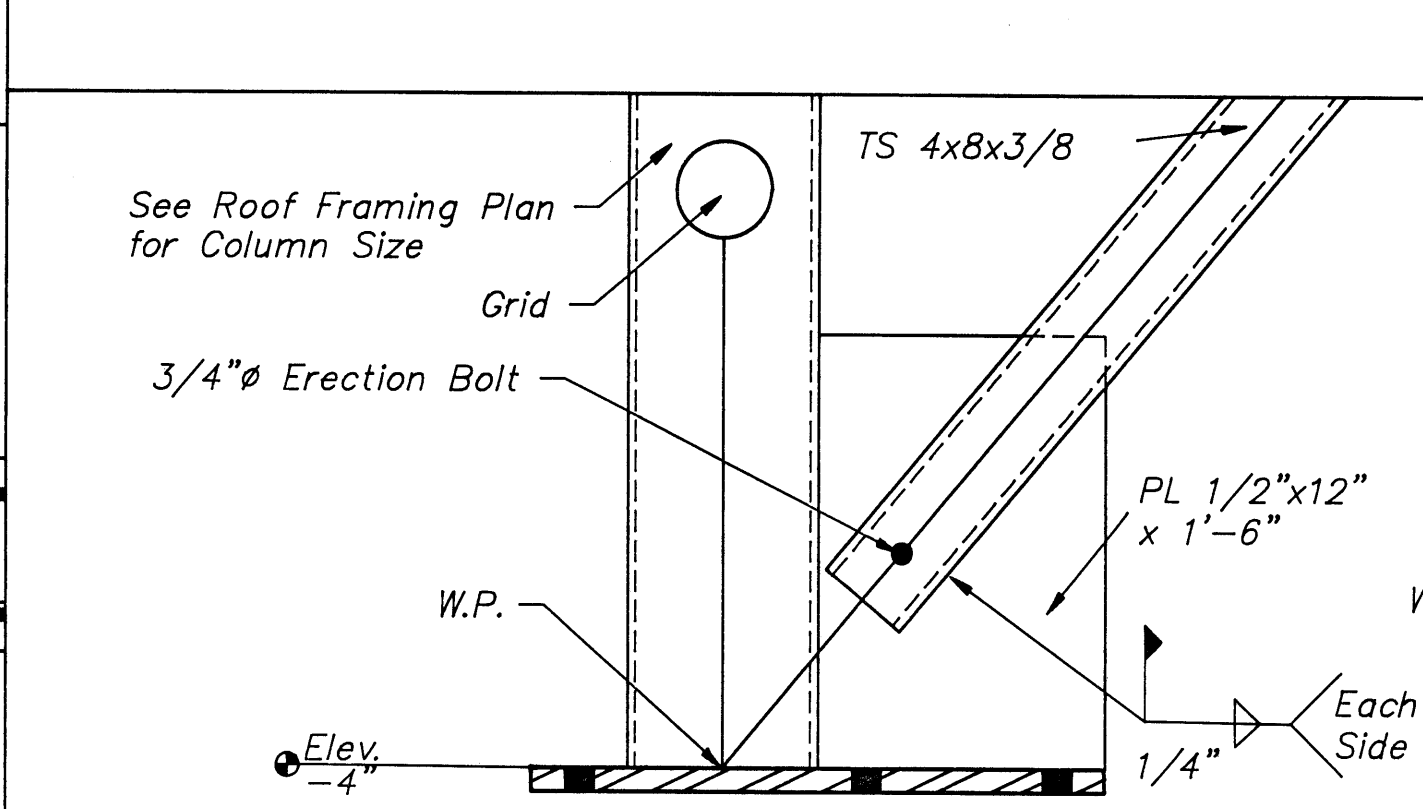
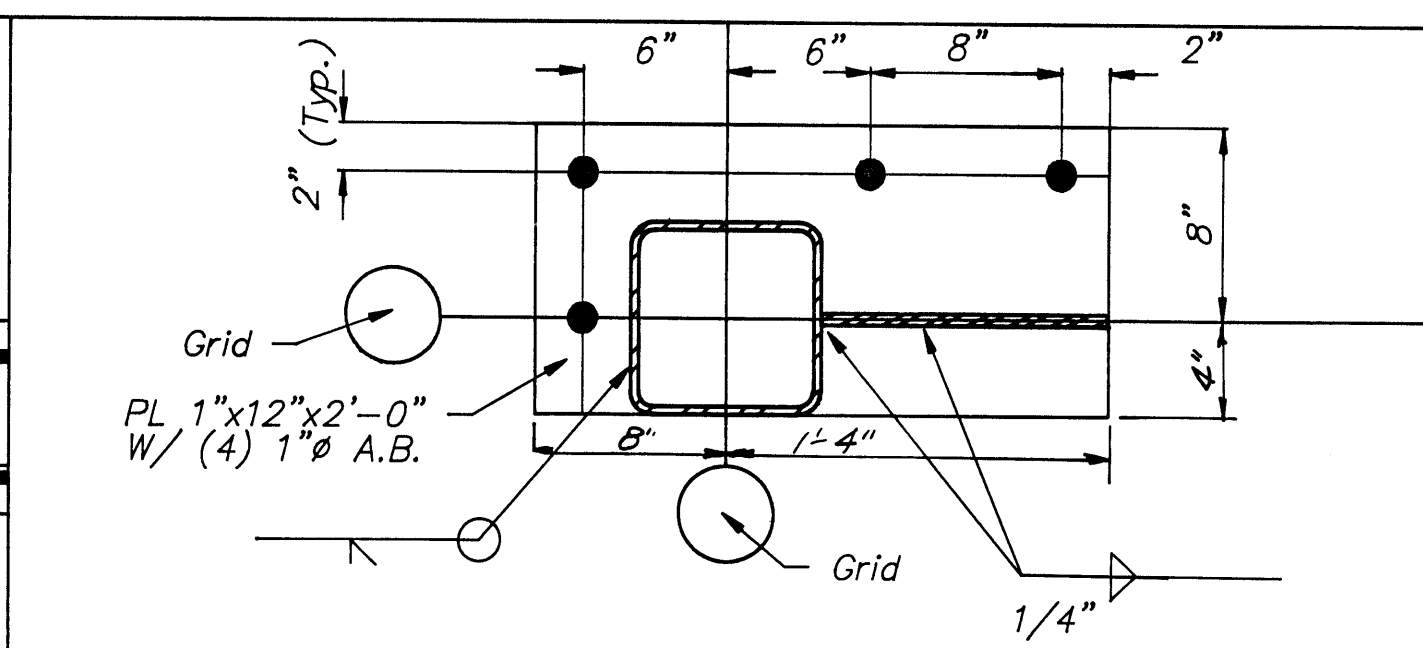


Grade Beam Intersection Corner

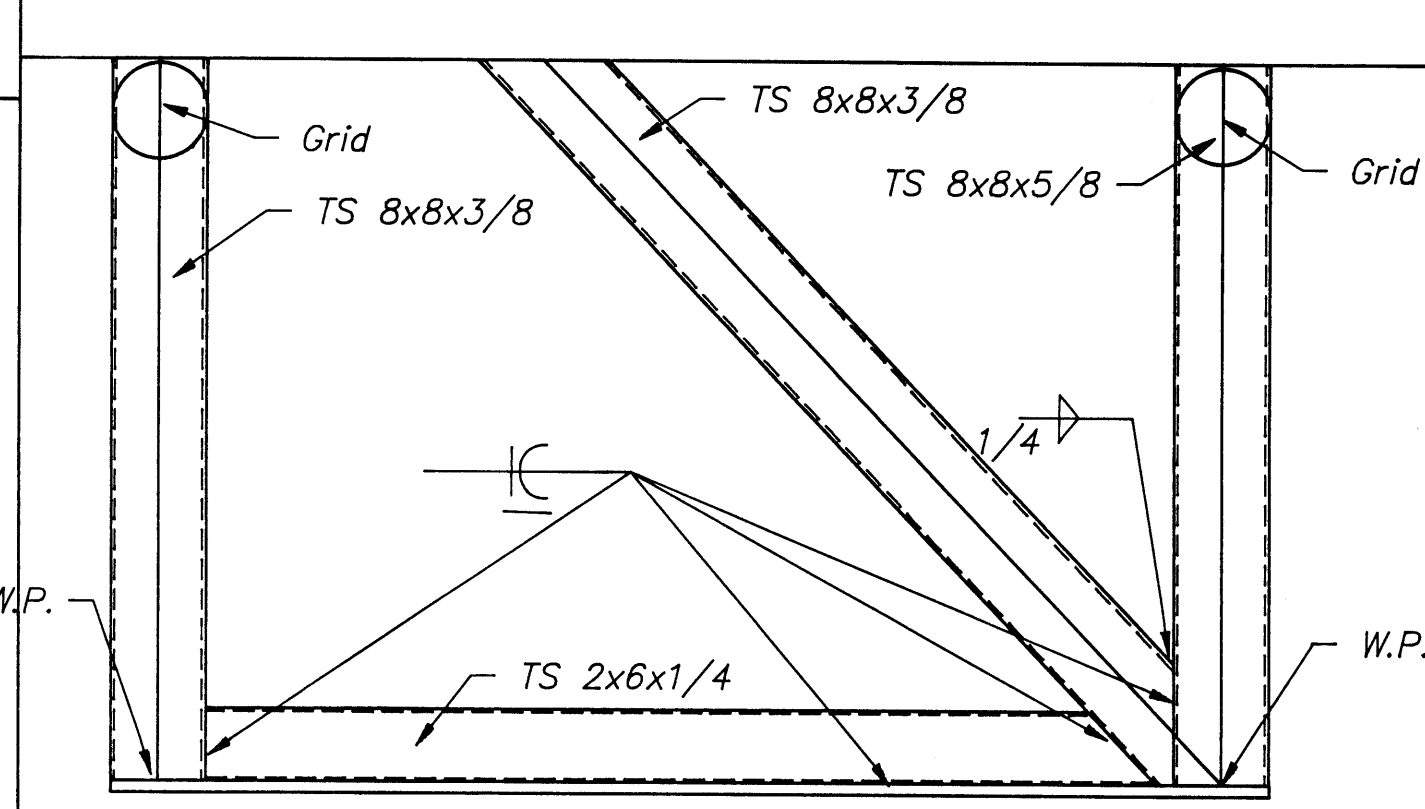
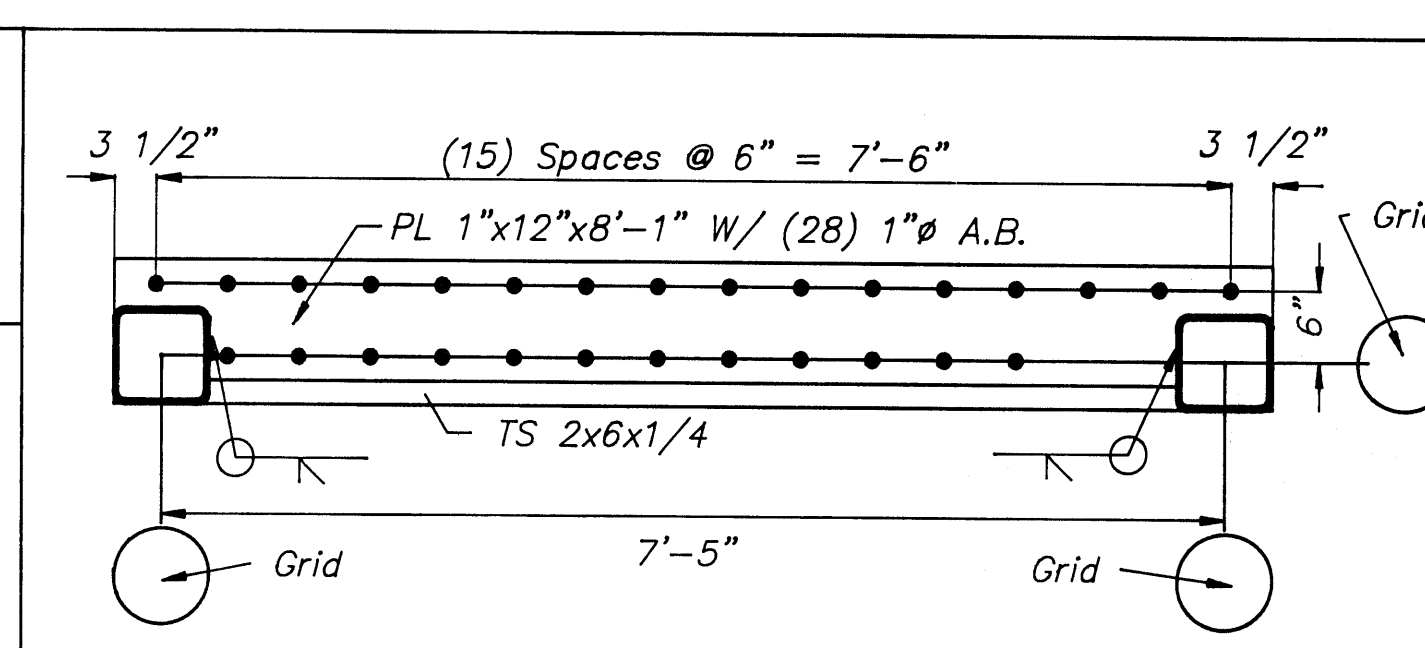


Grade Beam Exterior Corner

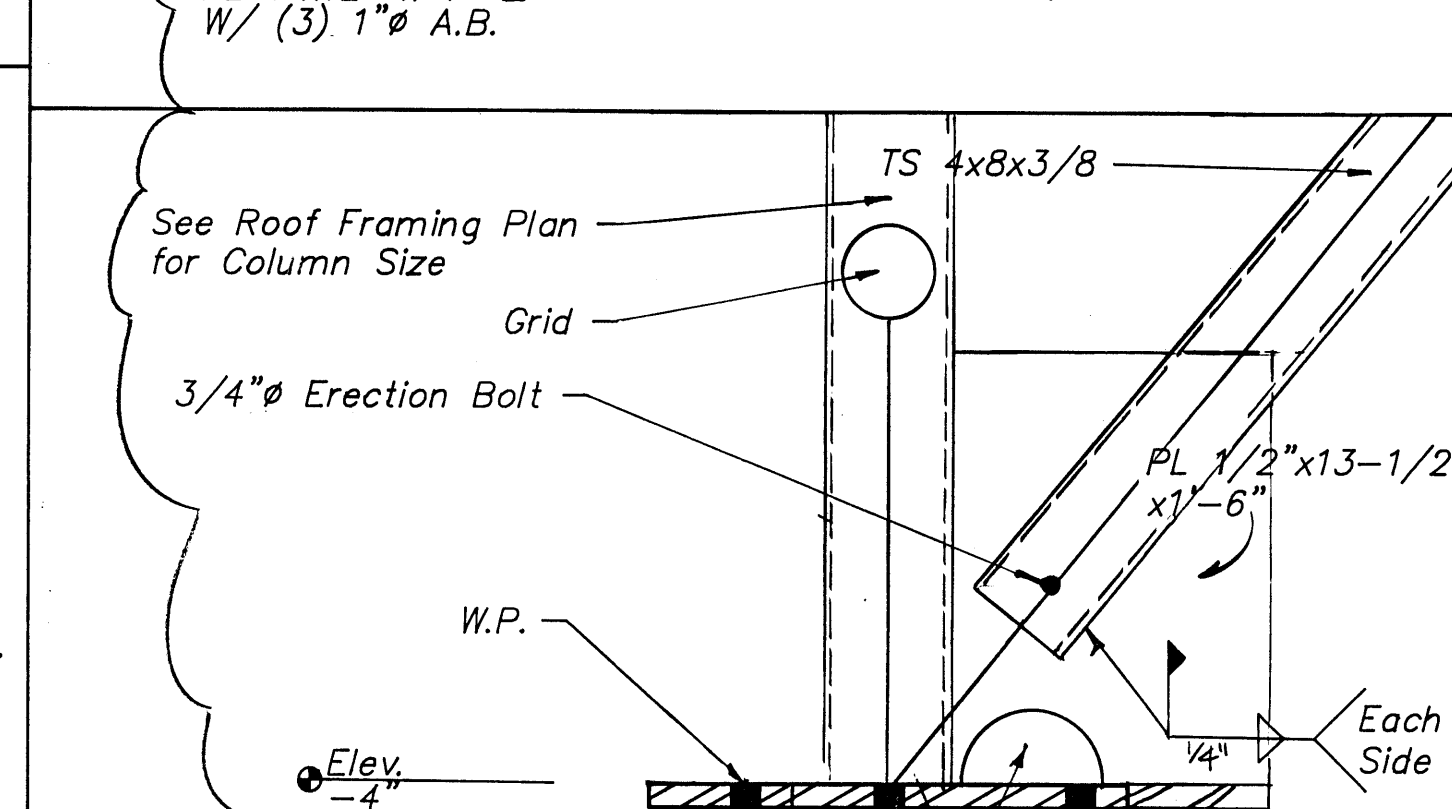
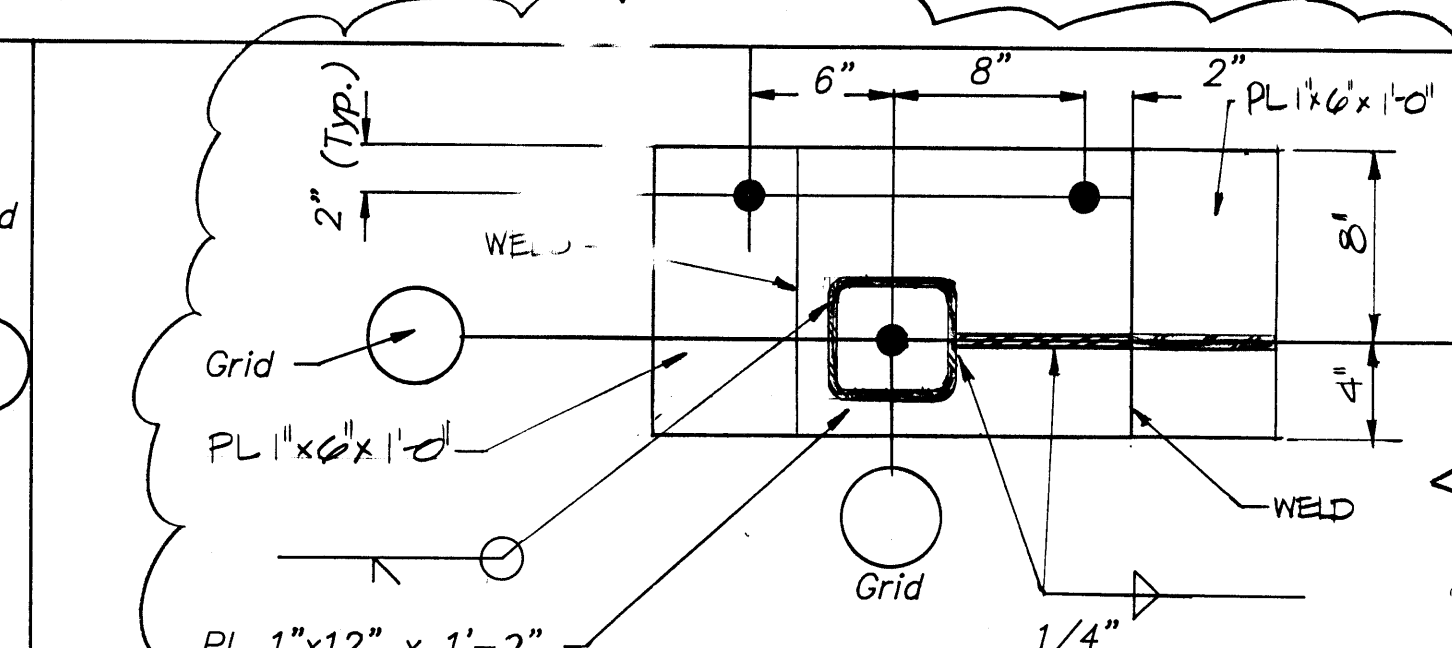
TYP. GRADE BEAM CORNERS
SCALE: 3/4" = 1'-0"



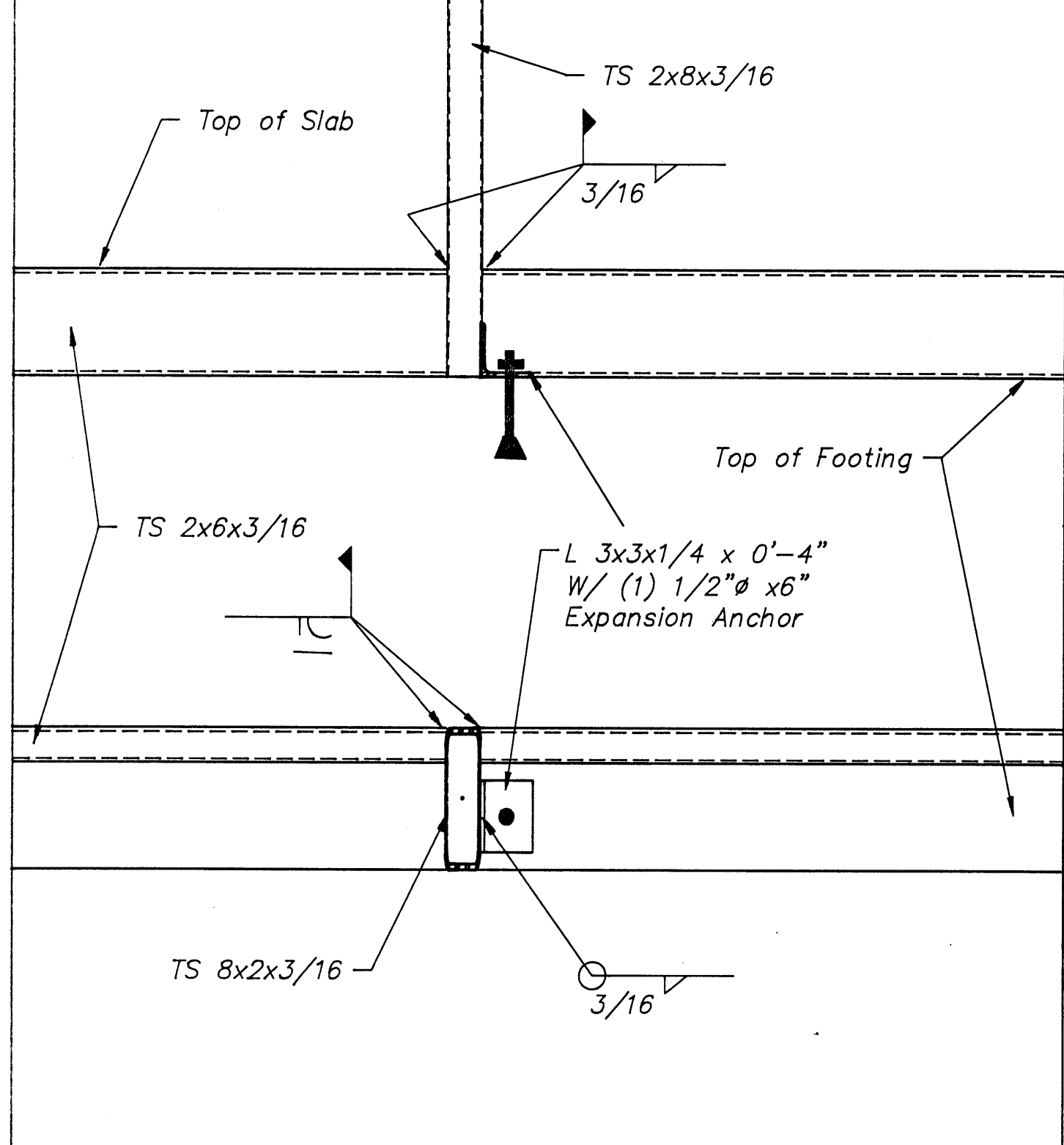
BTM. BRACE CONN. @ GRIDS 1, 4, & 10
SCALE: 1 1/2" = 1'-0"



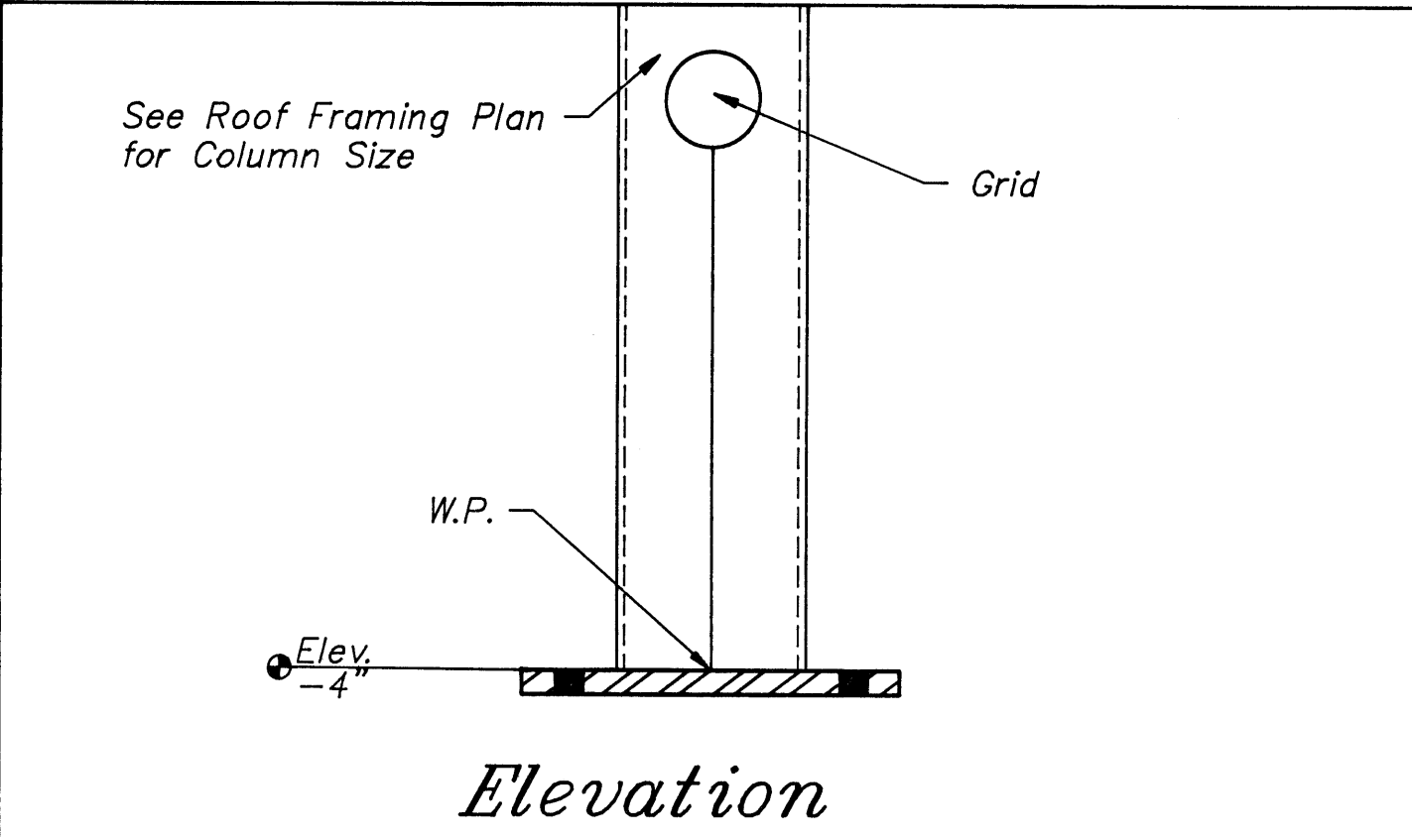
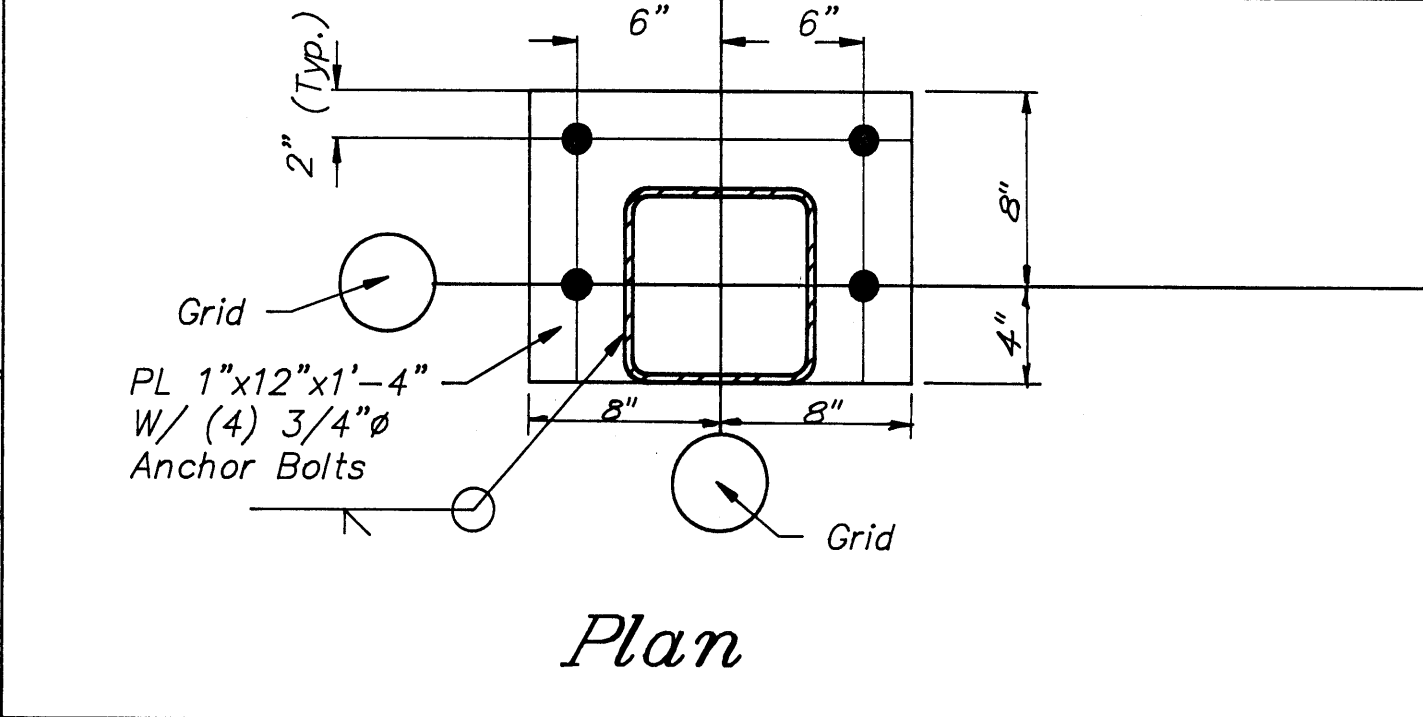
COLUMN BASE DETAILS @ GRID 10
SCALE: 3/4" = 1'-0"



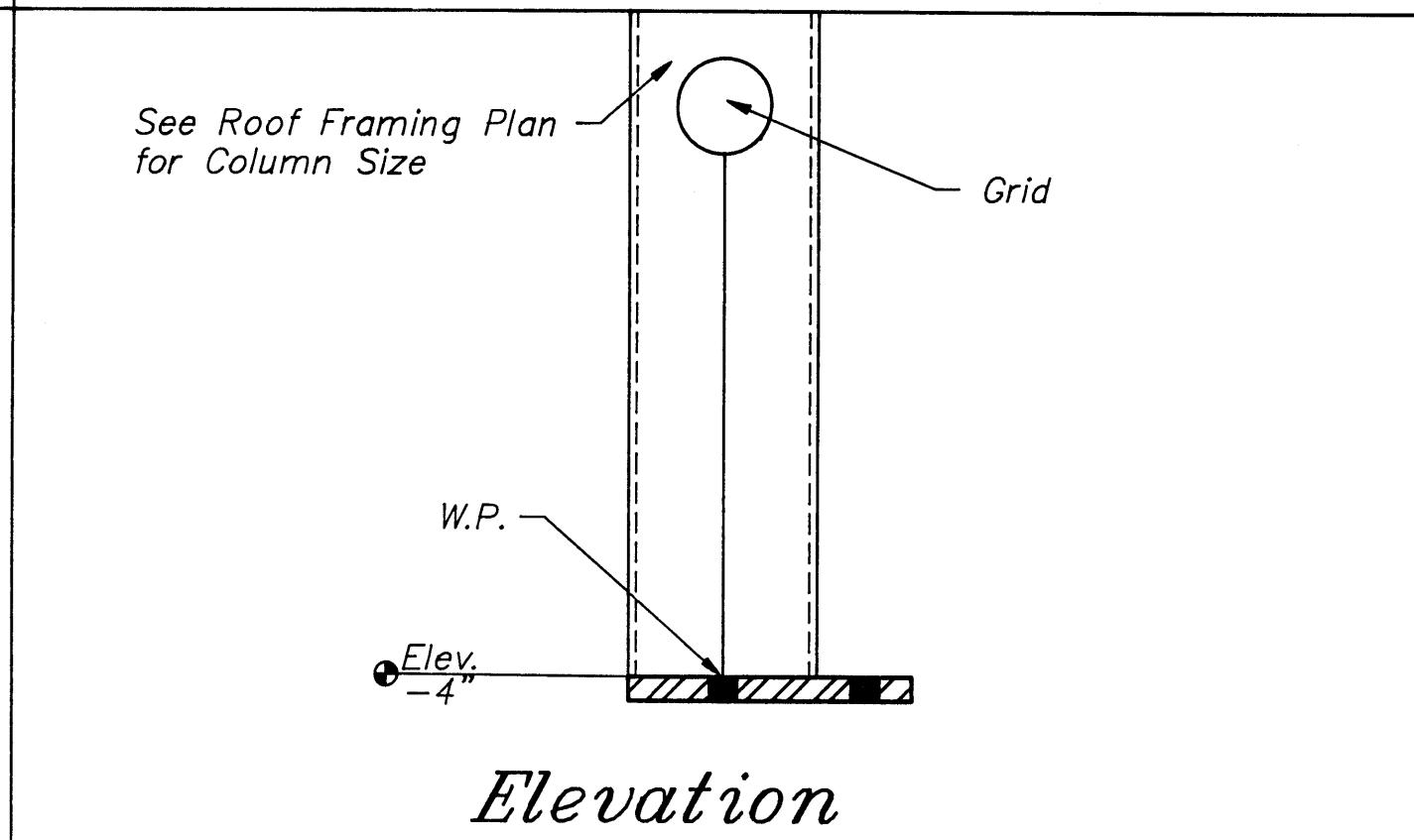
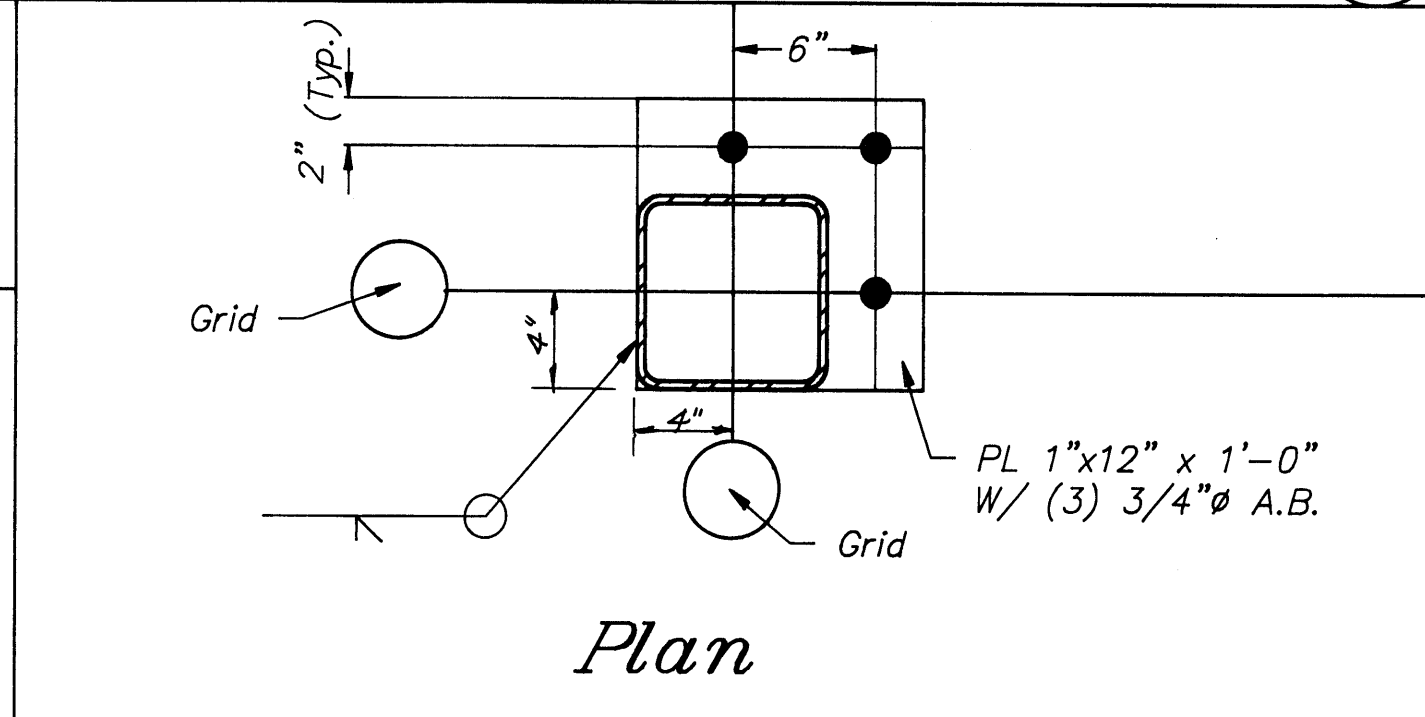
BOTTOM BRACE CONN. @ CORNER COLUMN
SCALE: 1 1/2" = 1'-0"



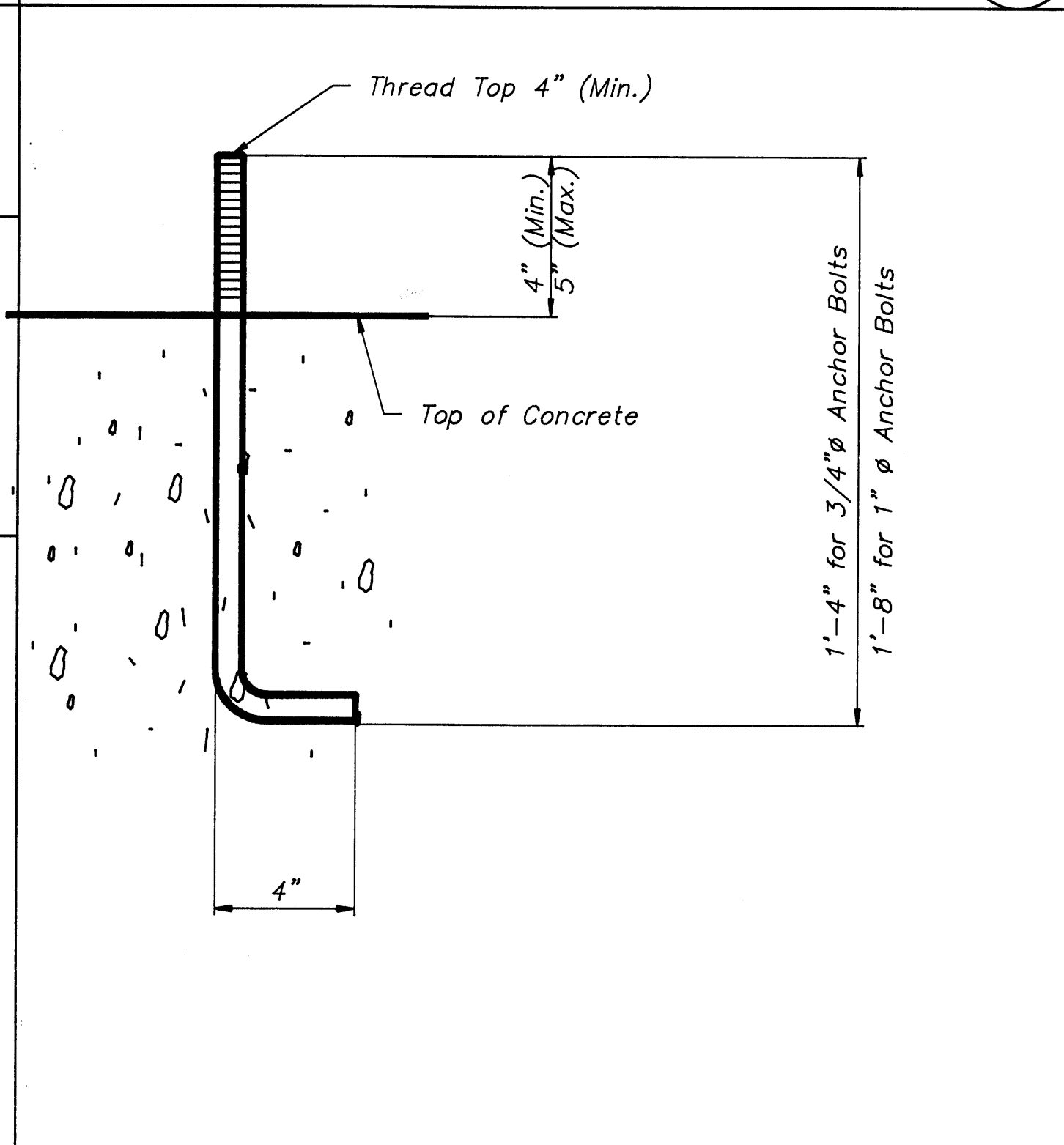
BASE OF OPENING FRAME DETAIL
SCALE: 1 1/2" = 1'-0"



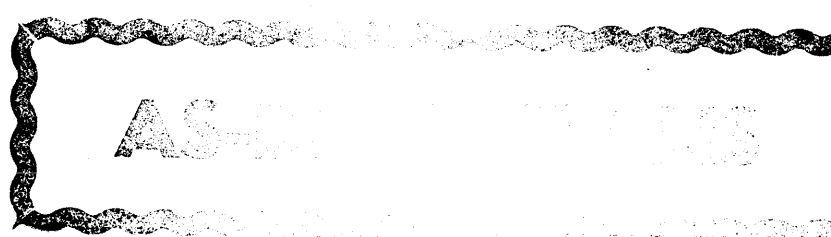
TYP. EXTERIOR COLUMN BASE
SCALE: 1 1/2" = 1'-0"

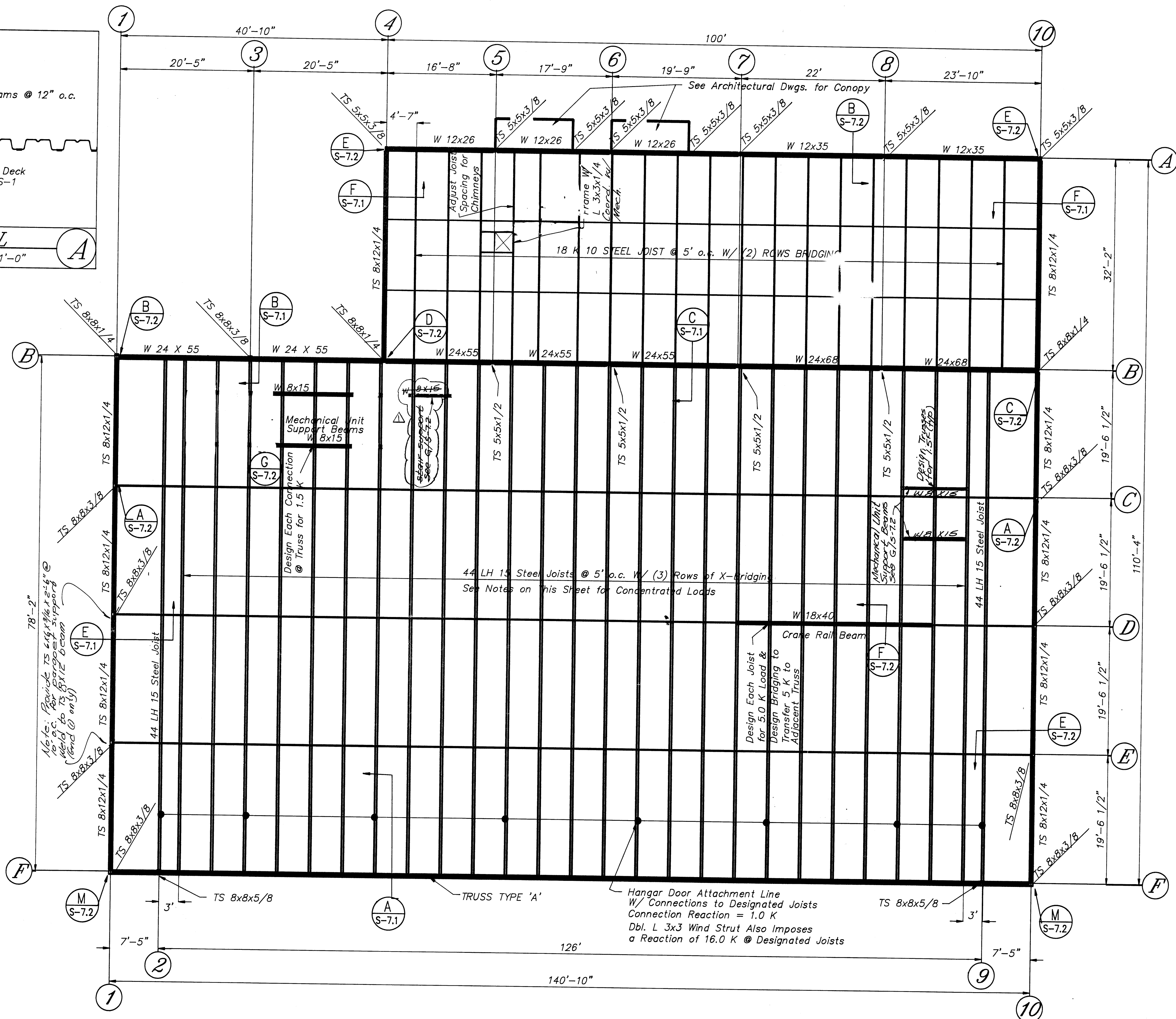
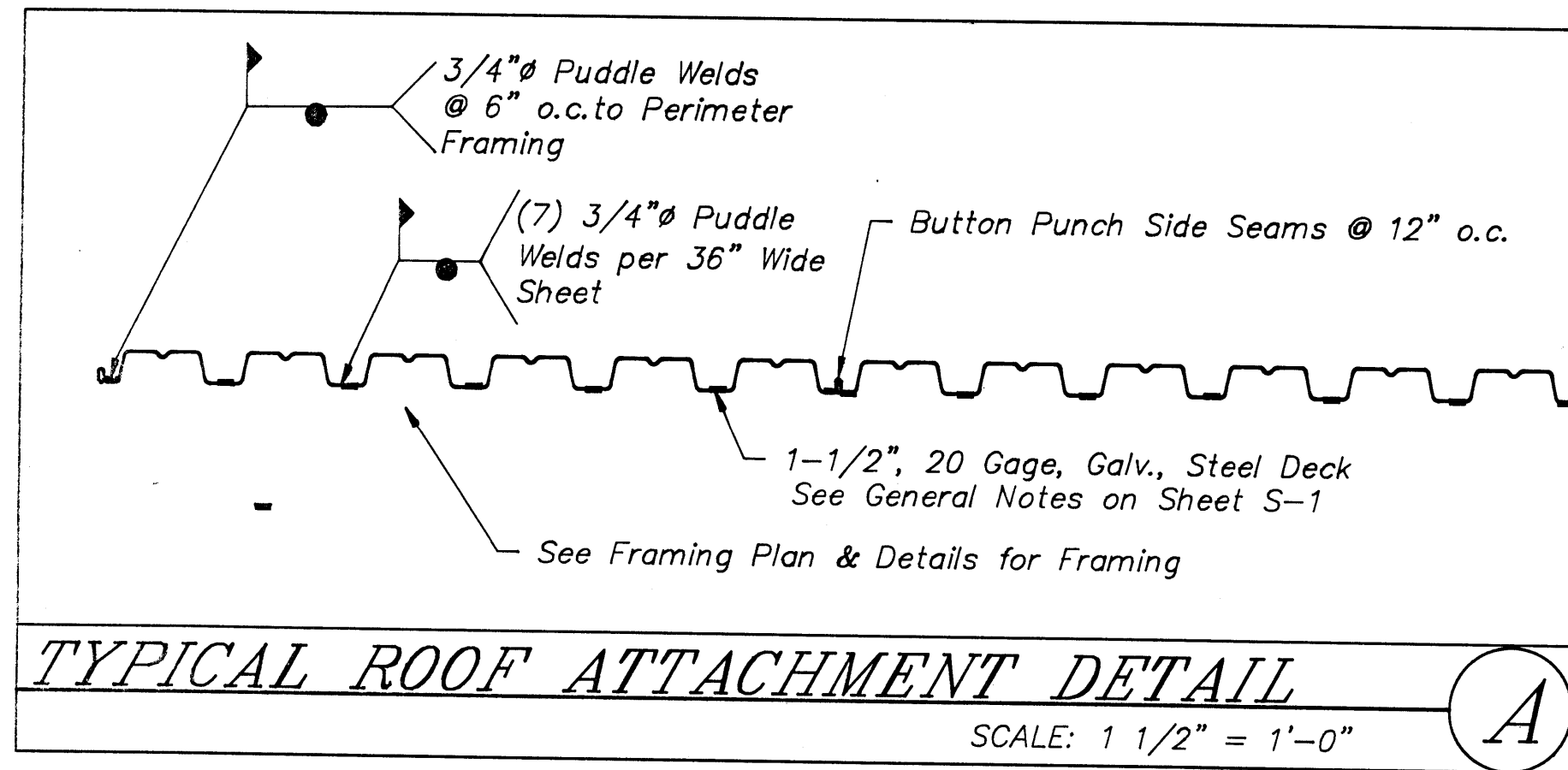


TYPICAL CORNER COLUMN BASE
SCALE: 1 1/2" = 1'-0"



TYPICAL ANCHOR BOLT DETAIL
SCALE: 3" = 1'-0"

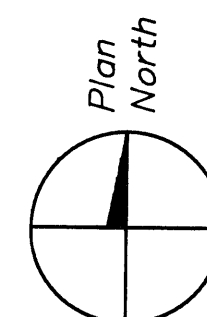




ROOF FRAMING PLAN

NOTE:
See Sheets S-6.1 & S-6.2 for Framing Elevations & Details

1/8" = 1'-0"

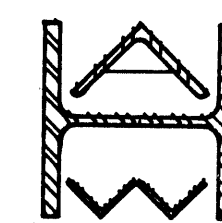


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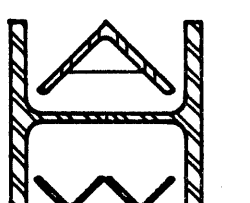
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AS-BUILT REVISIONS
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ROOF
FRAMING
PLAN

S-4.1



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ARMY AVIATION OPERATIONS

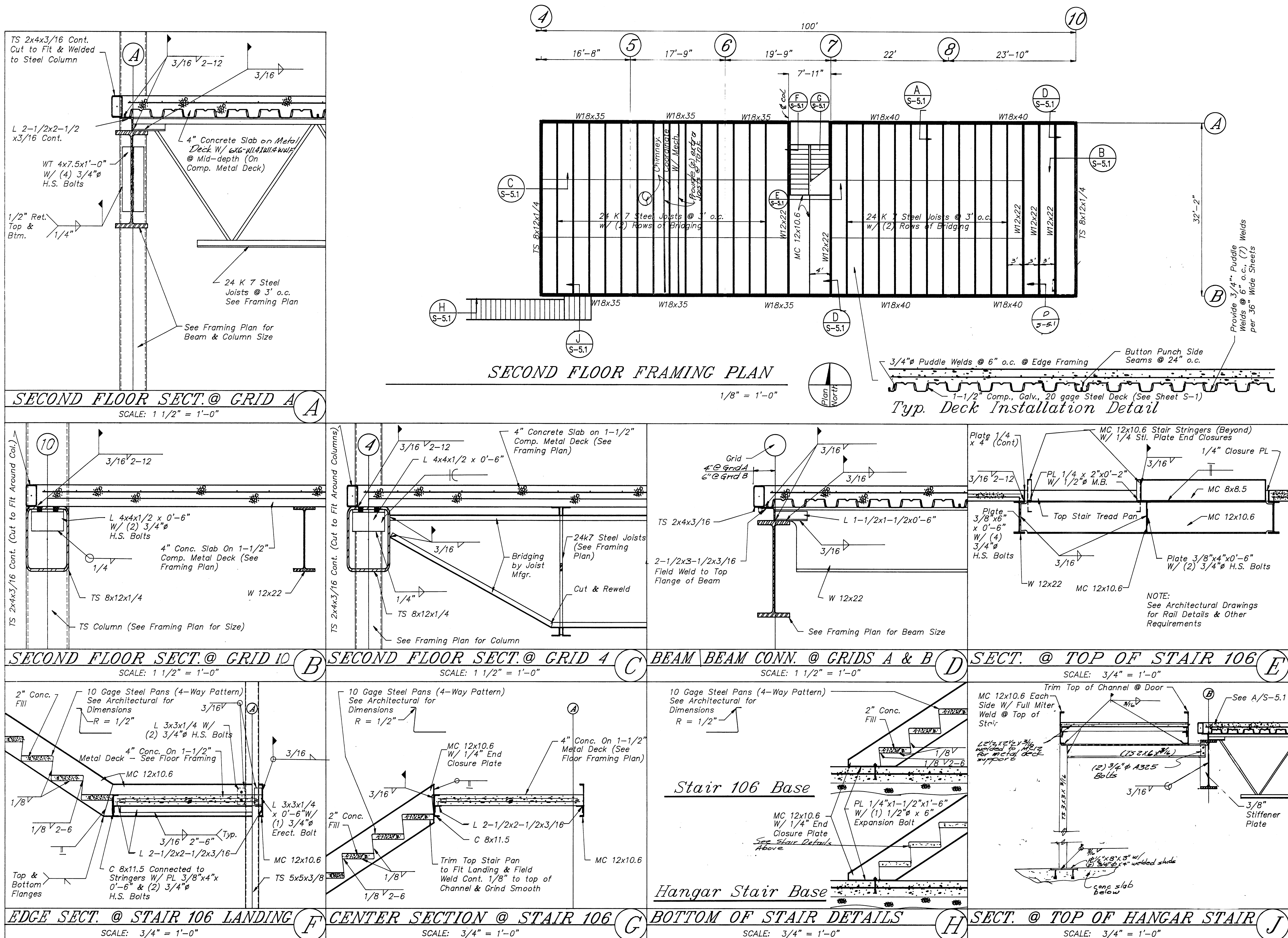
FACILITY—
NOME, ALASKA

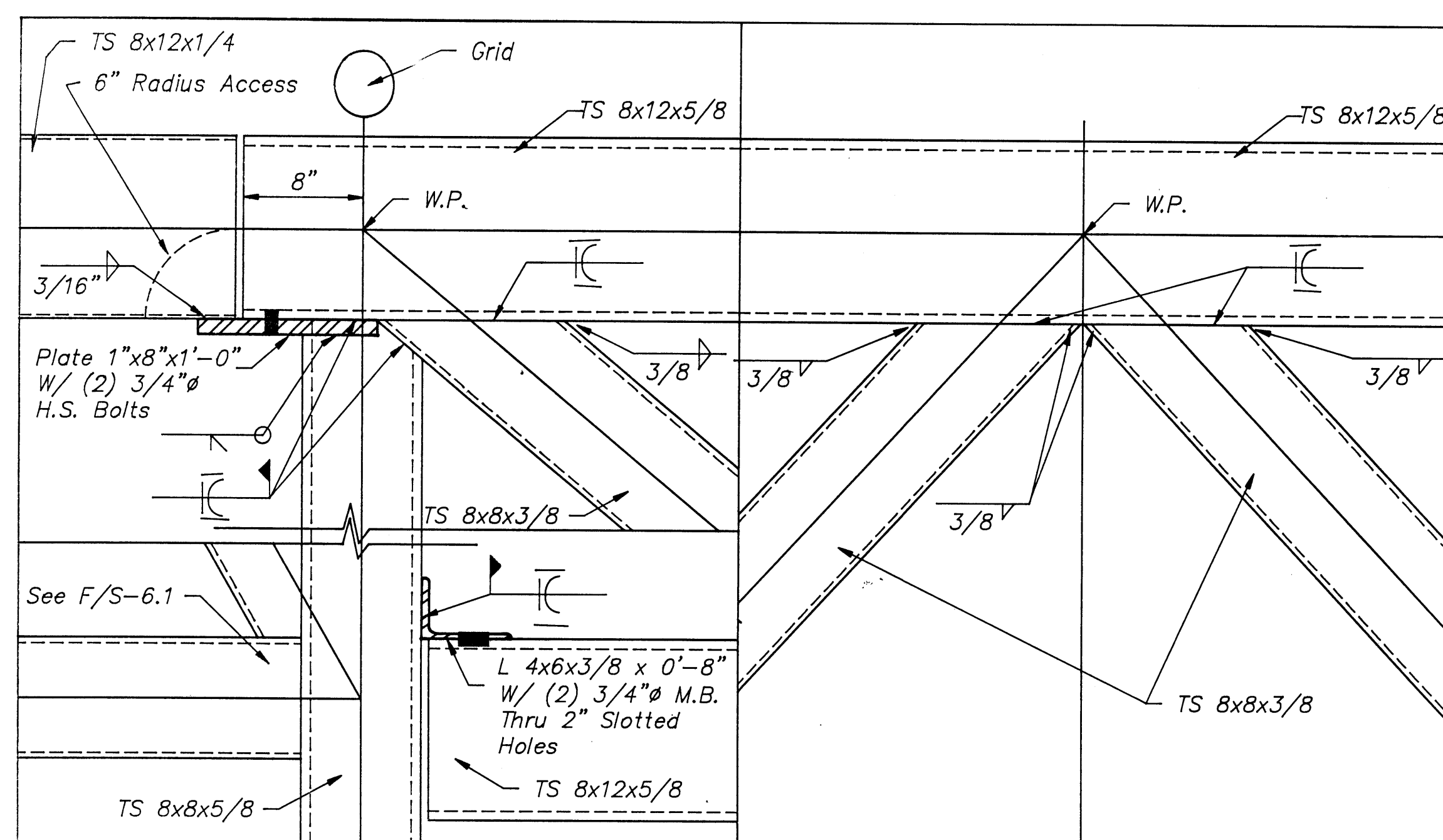
For the Dept. of Military Affairs
D.O.I.P.F./State of Alaska

job no. 66
drawn by ahw
date 7/28/88

SECOND
FLOOR
FRAMING
PLAN &
DETAILS

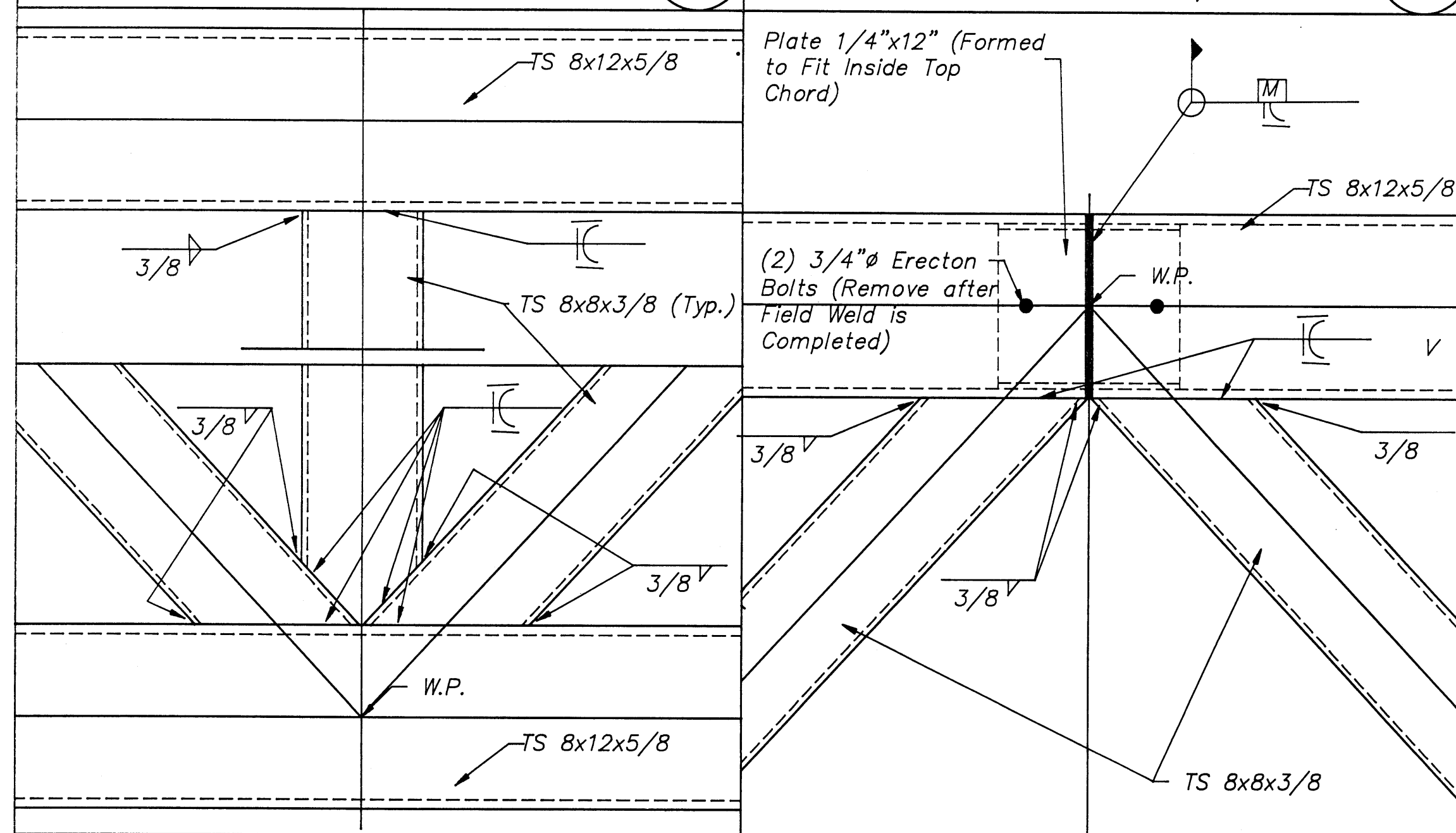
S-5.1





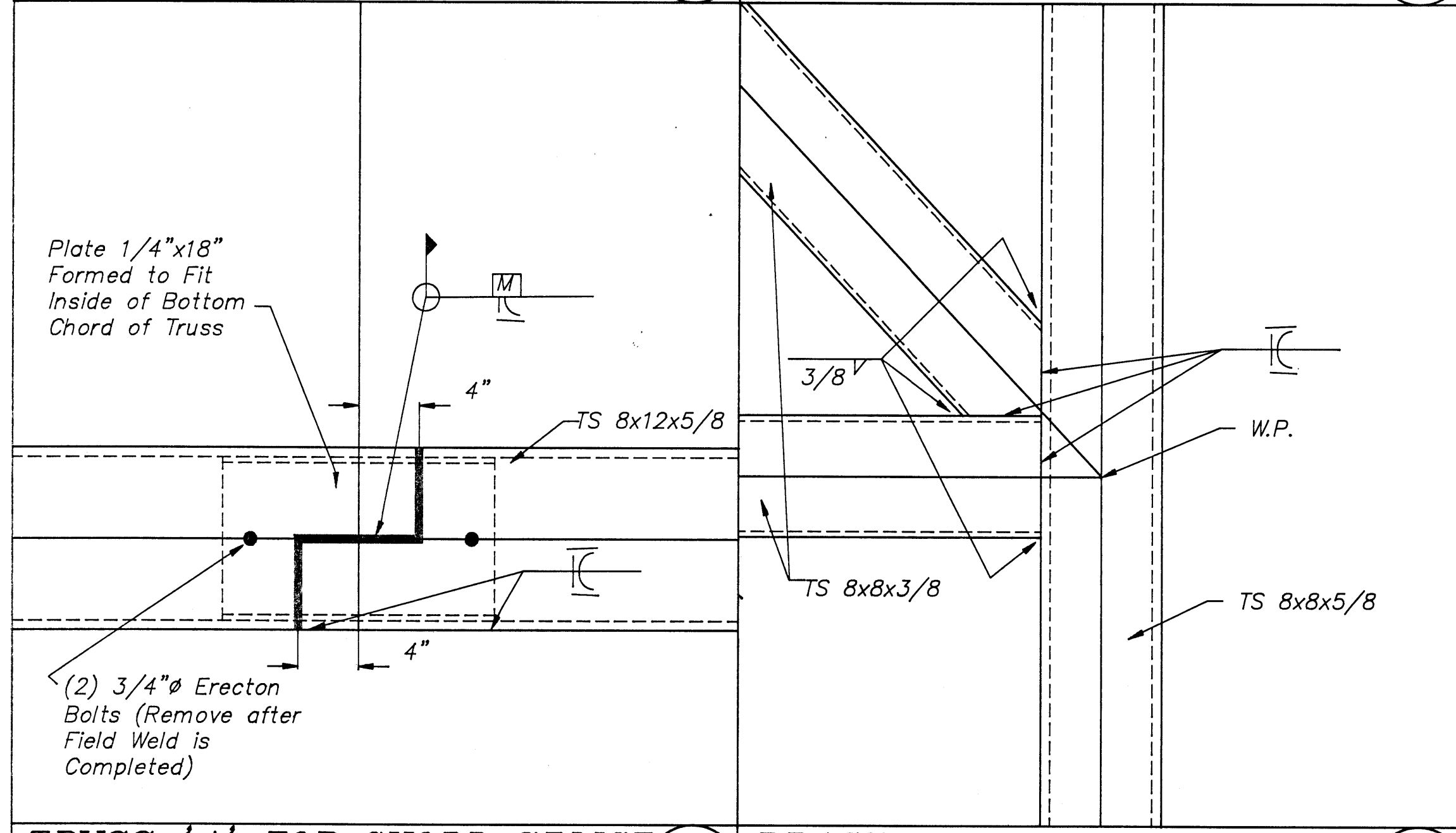
TRUSS 'A' CONN. @ GRIDS 2 & 9 (A) **TYP. TRUSS 'A' TOP CHORD CONN.** (B)

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



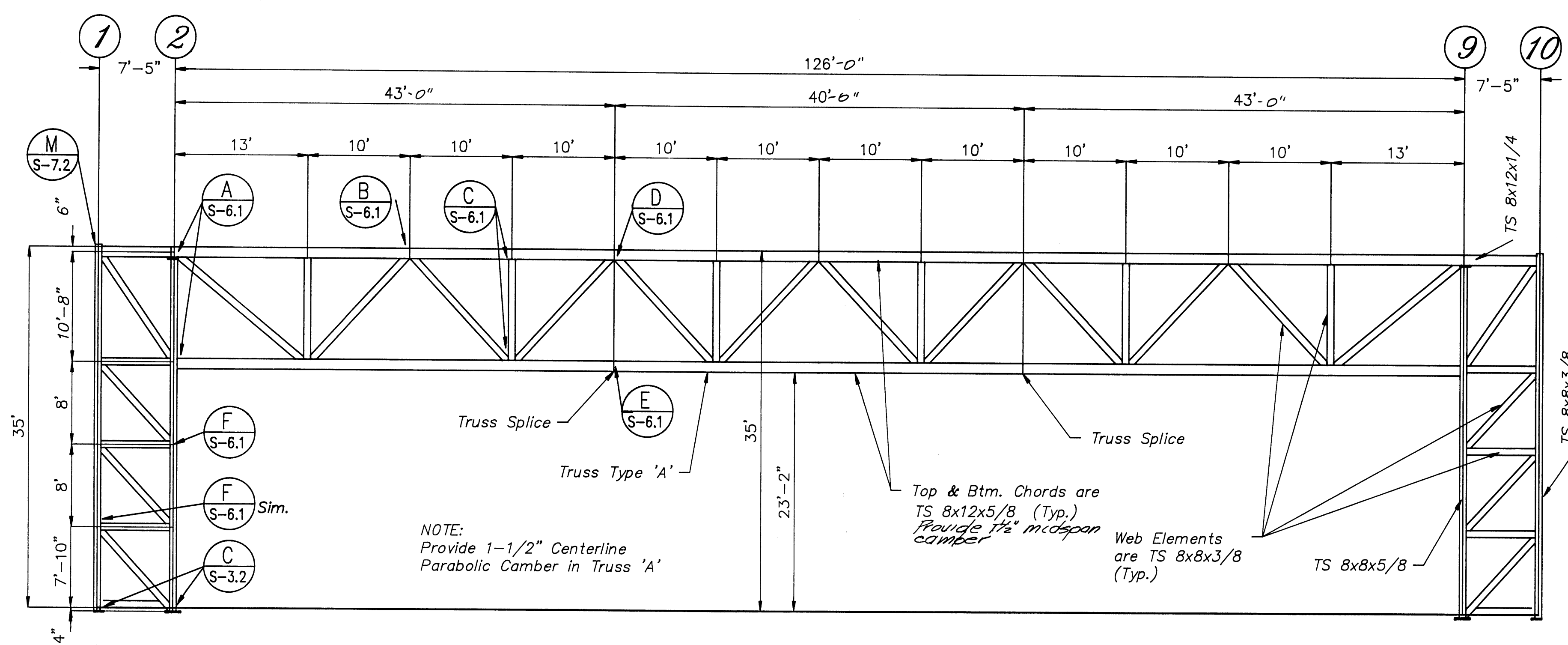
TYP. TRUSS 'A' BTM. CHORD CONN. (C) **TRUSS 'A' TOP CHORD SPLICE** (D)

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



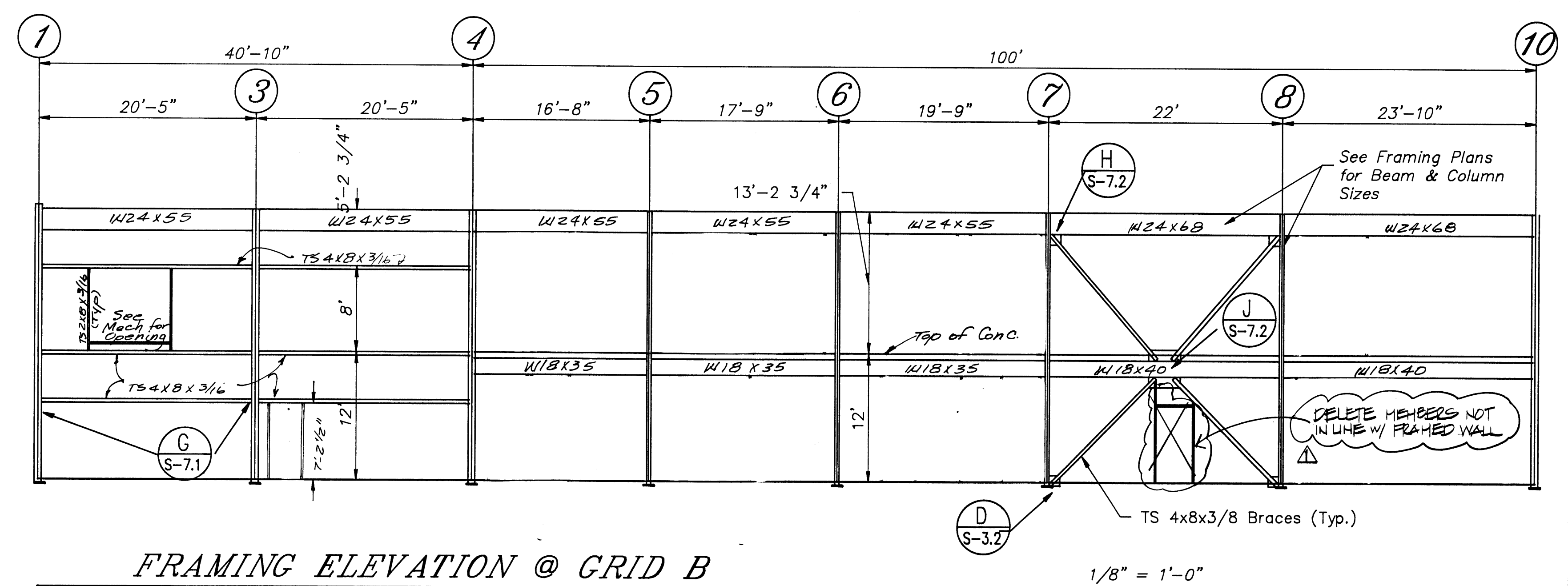
TRUSS 'A' TOP CHORD SPLICE (E) **BRACE CONN. @ GRIDS F-1&9** (F)

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



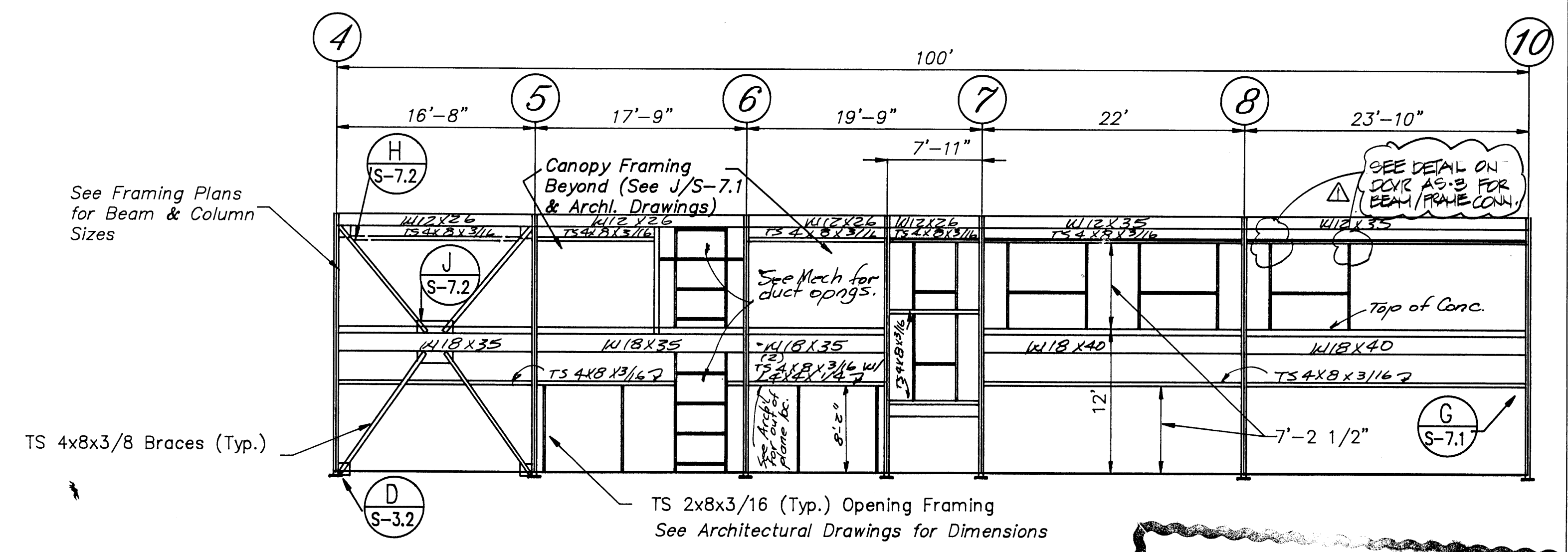
FRAMING ELEVATION @ GRID F

1/8" = 1'-0"



FRAMING ELEVATION @ GRID B

1/8" = 1'-0"



FRAMING ELEVATION @ GRID A

1/8" = 1'-0"

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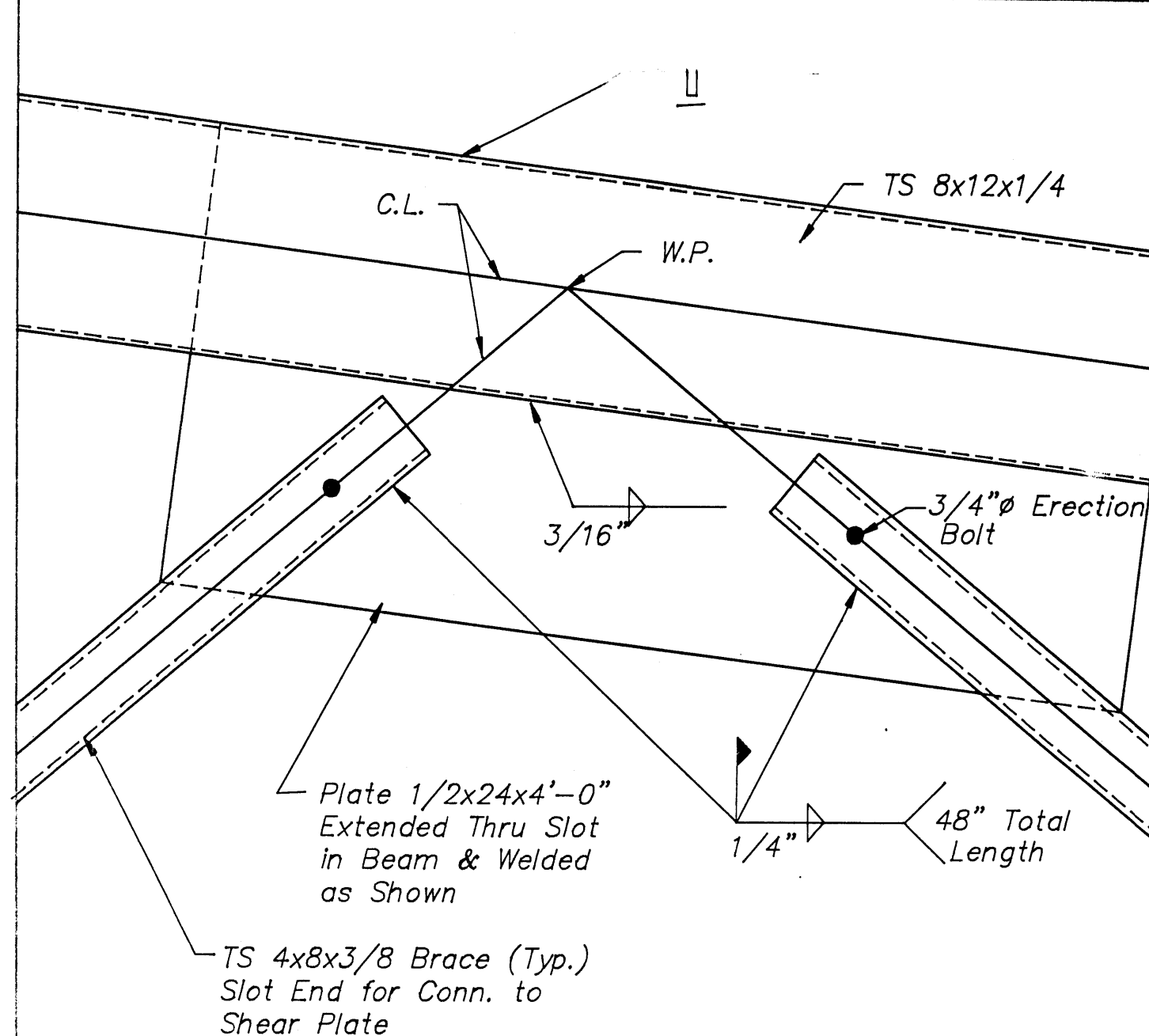
For the Dept. of Military Affairs D.O.T.P.F./State of Alaska

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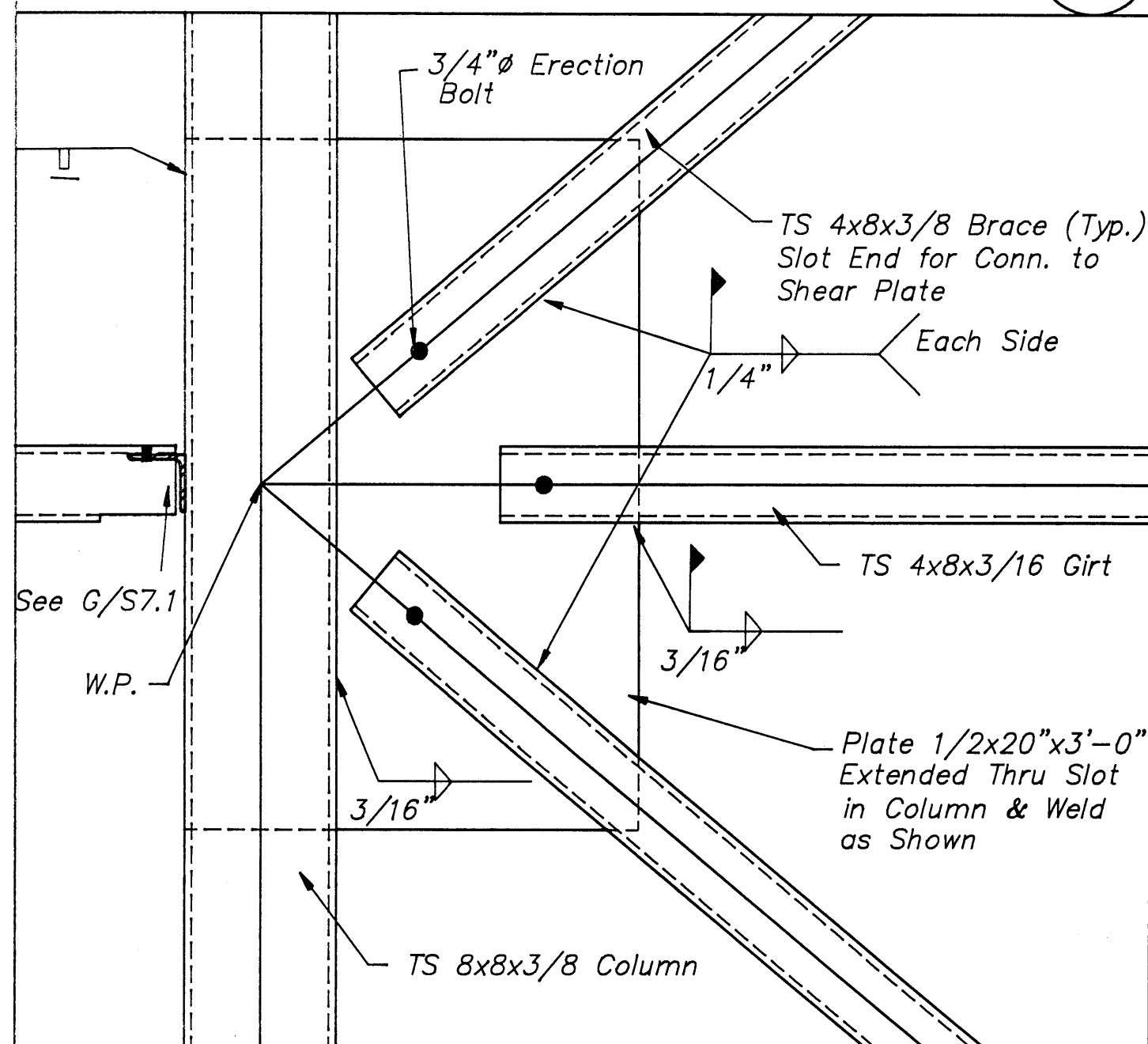
AS-BUILT REVISIONS 9/2/90

FRAMING ELEVATIONS & DETAILS

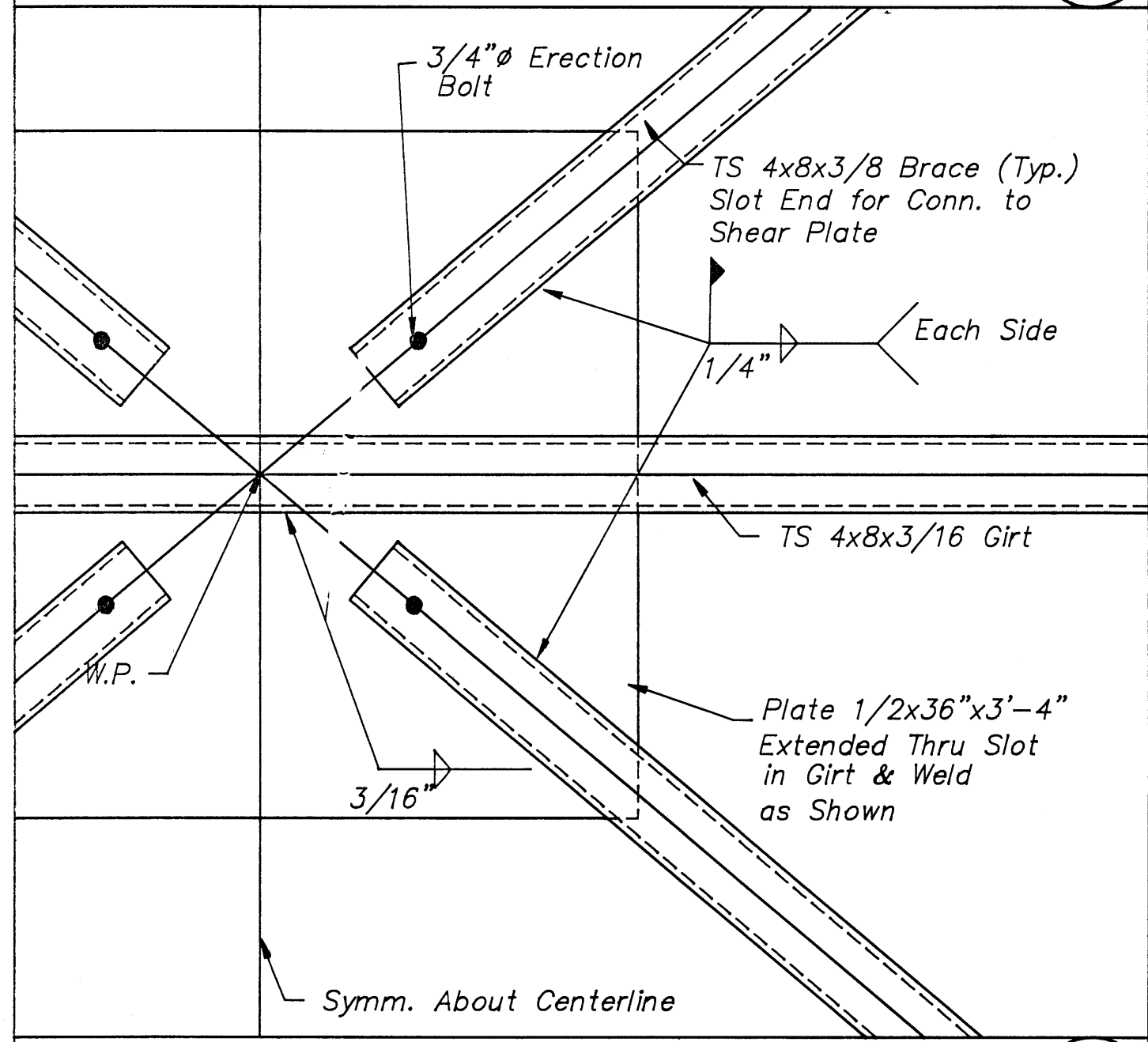
S-6.1



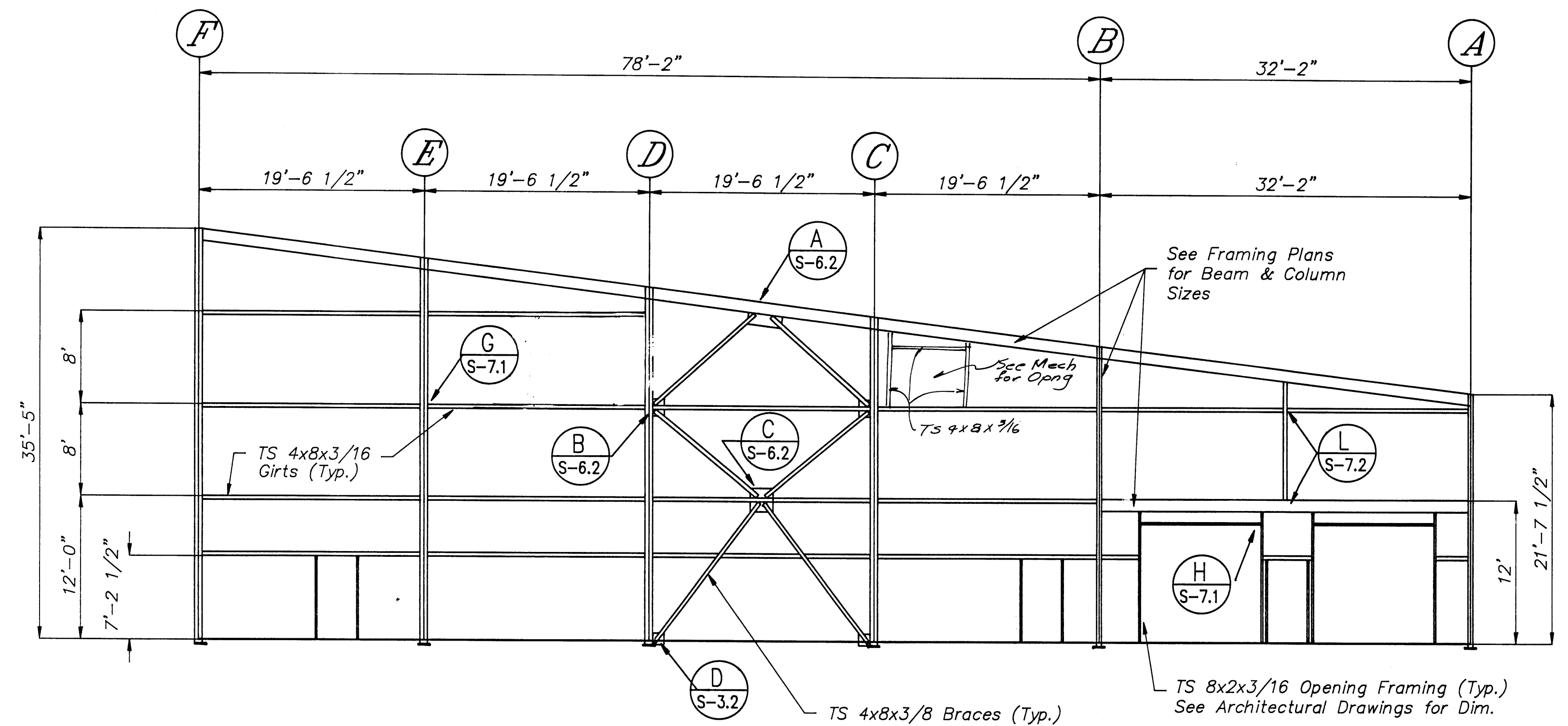
ROOF BRACE CONN. @ GRIDS 1, 4 & 10 (A)
SCALE: 1 1/2" = 1'-0"



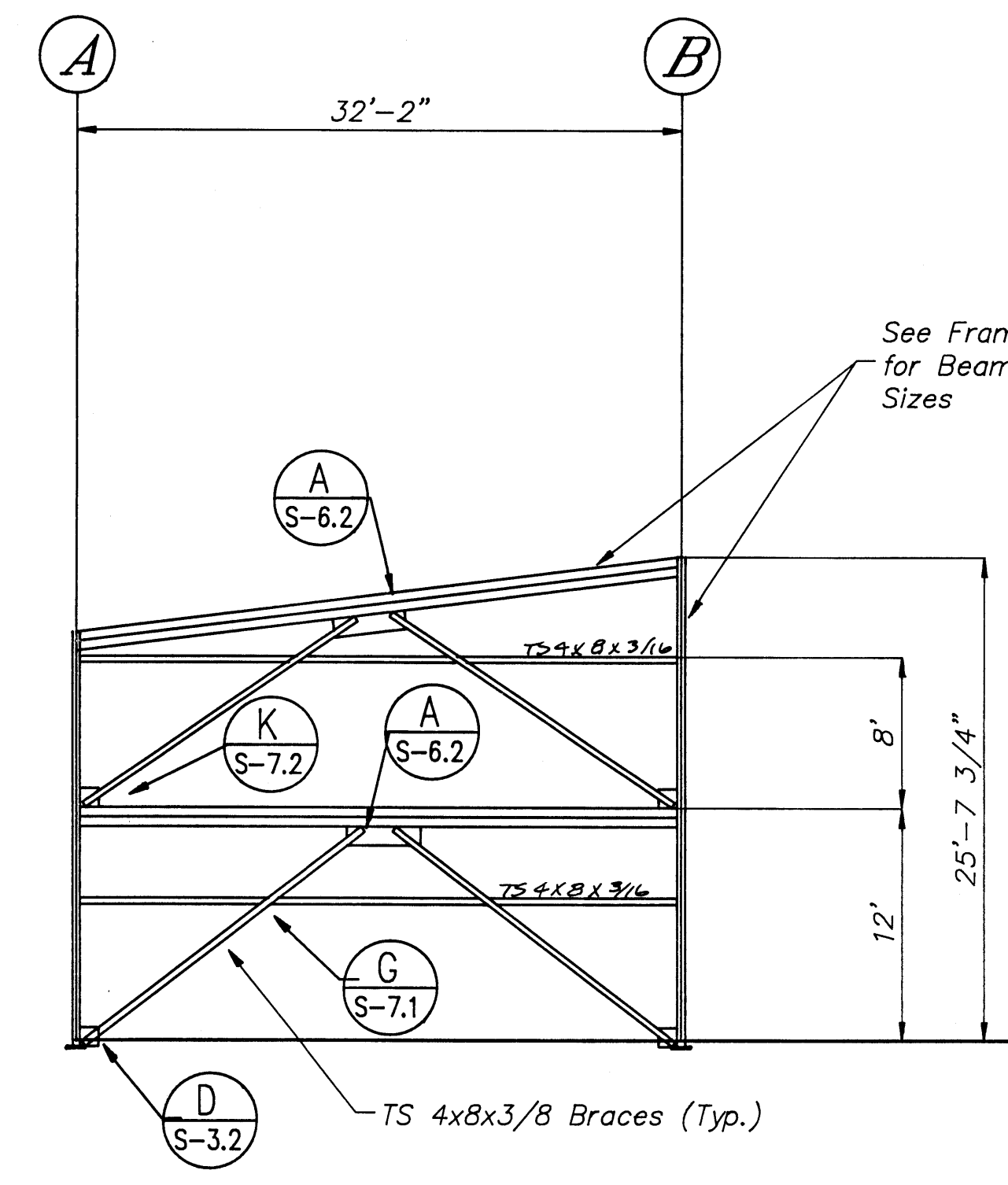
BRACE CONN. @ GRIDS 1 & 10 (B)
SCALE: 1 1/2" = 1'-0"



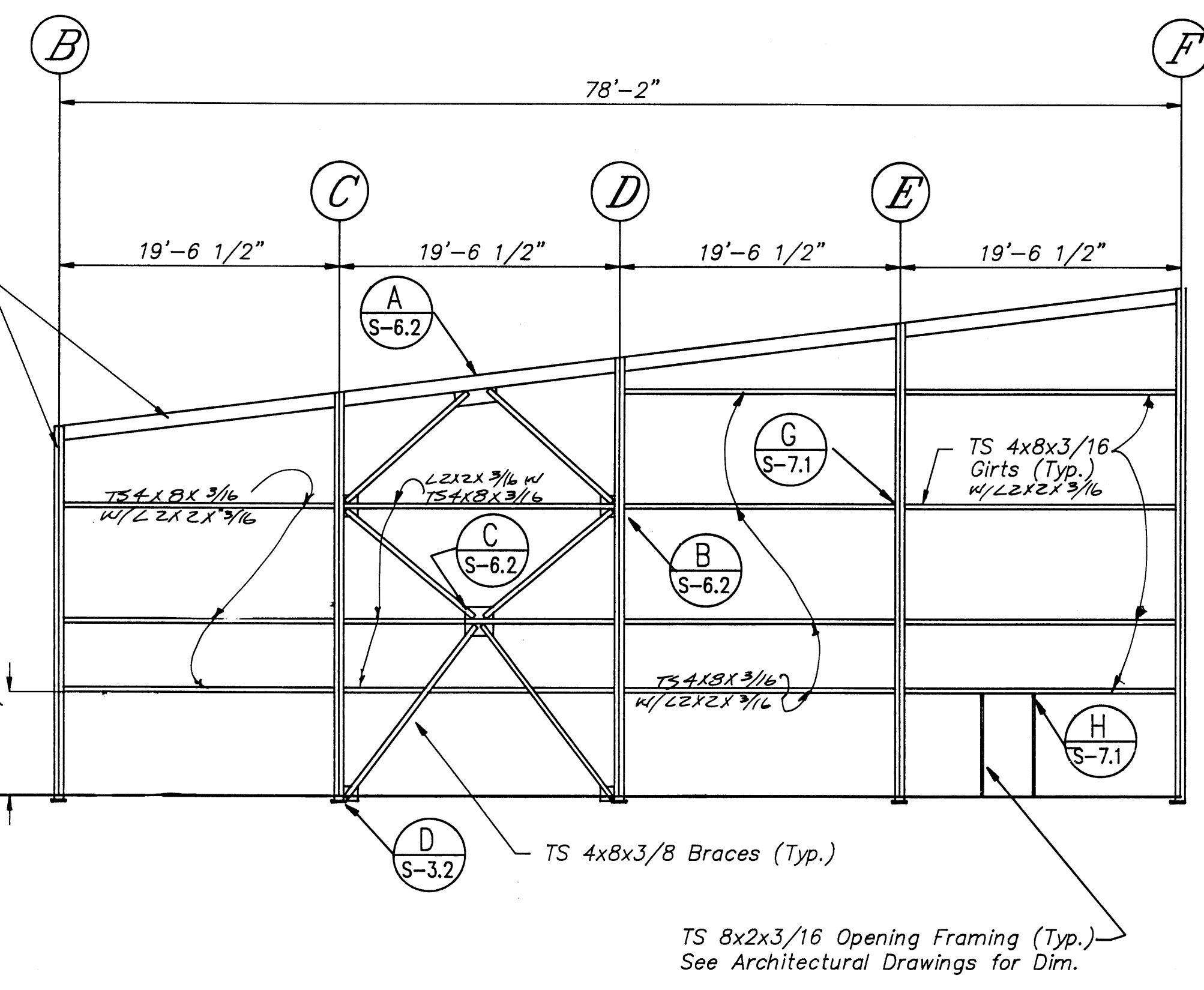
BRACE CONN. @ GRIDS 1 & 10 (C)
SCALE: 1 1/2" = 1'-0"



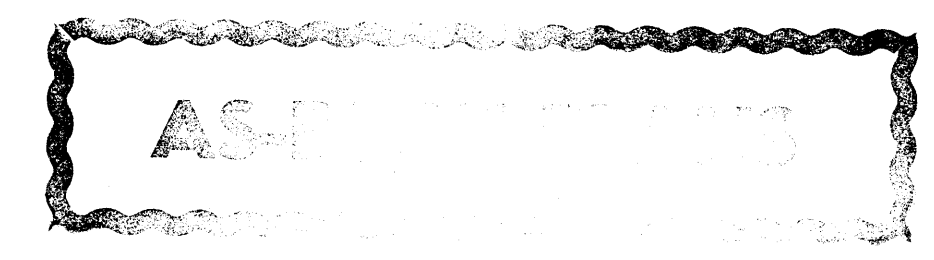
FRAMING ELEVATION @ GRID 10 1/8" = 1'-0"



FRAMING ELEVATION @ GRID 4 1/8" = 1'-0"



FRAMING ELEVATION @ GRID 1 1/8" = 1'-0"



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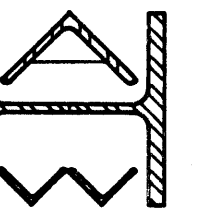
job no. 66
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**FRAMING
ELEVATIONS
& DETAILS**

S-6.2



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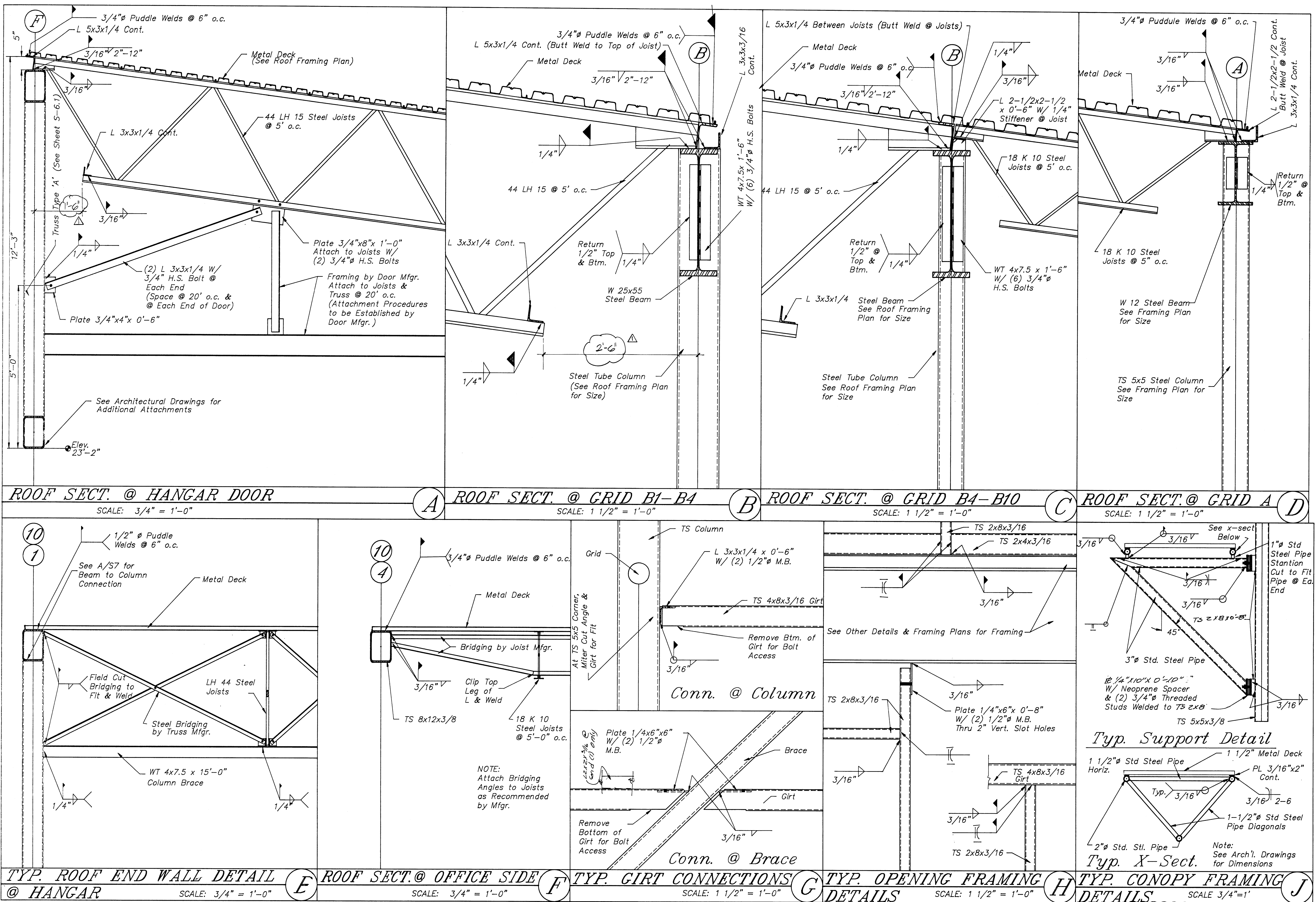
For the Dept. of Military Affairs
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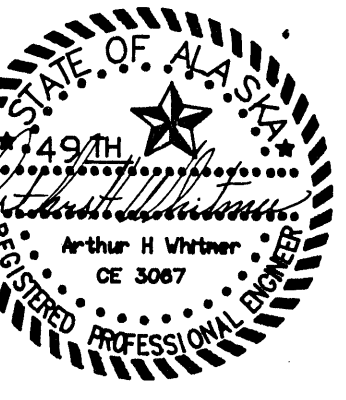
job no. 66
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date 7/12/82

AS-BUILT REVISIONS
9/15/90

FRAMING
SECTIONS
& DETAILS

S-7.1





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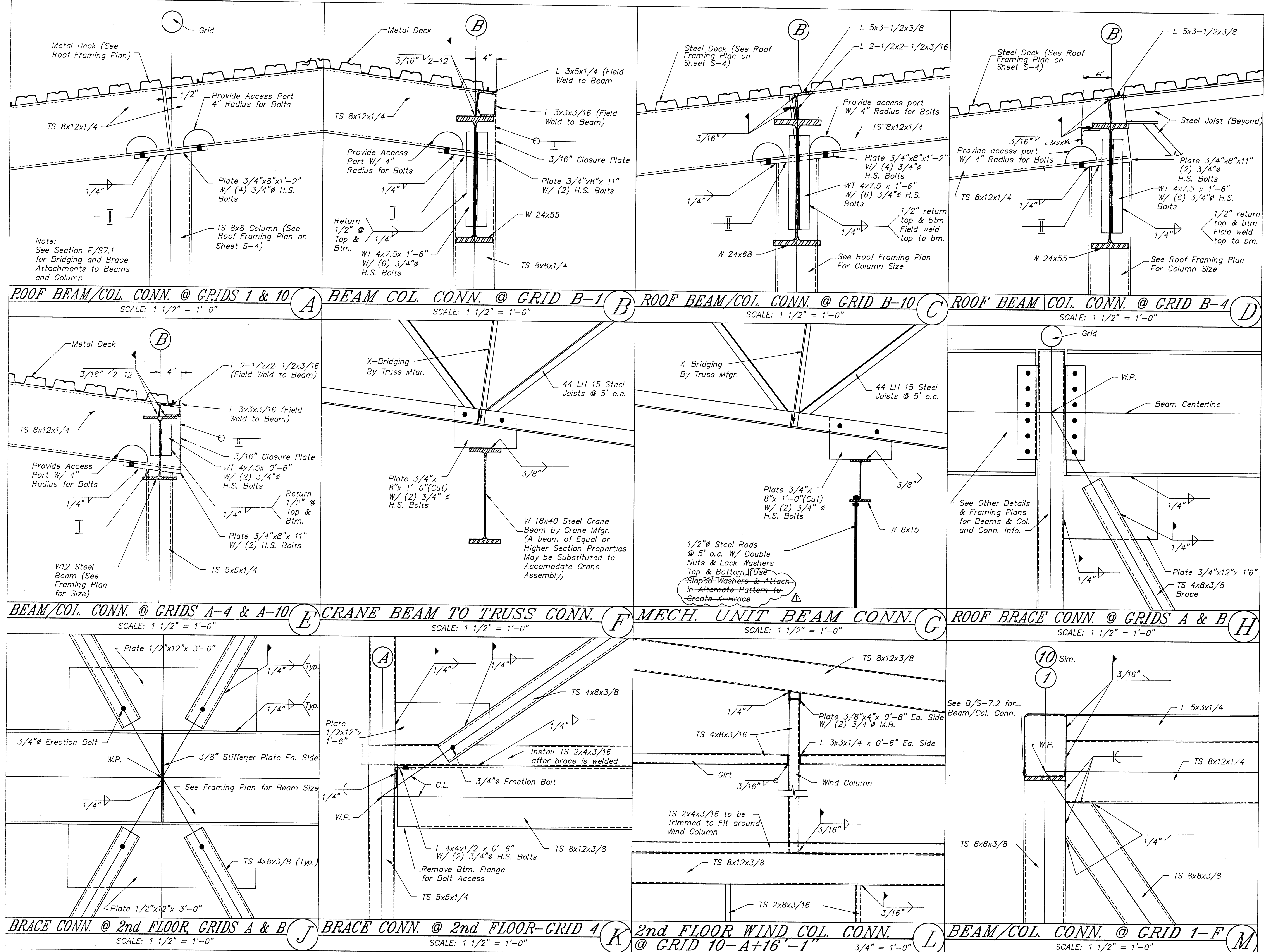
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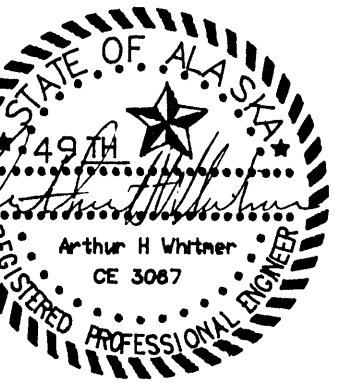
AS-BUILT REVISIONS
1/5/90
FRAMING
SECTIONS
& DETAILS

S-7.2

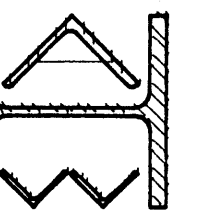


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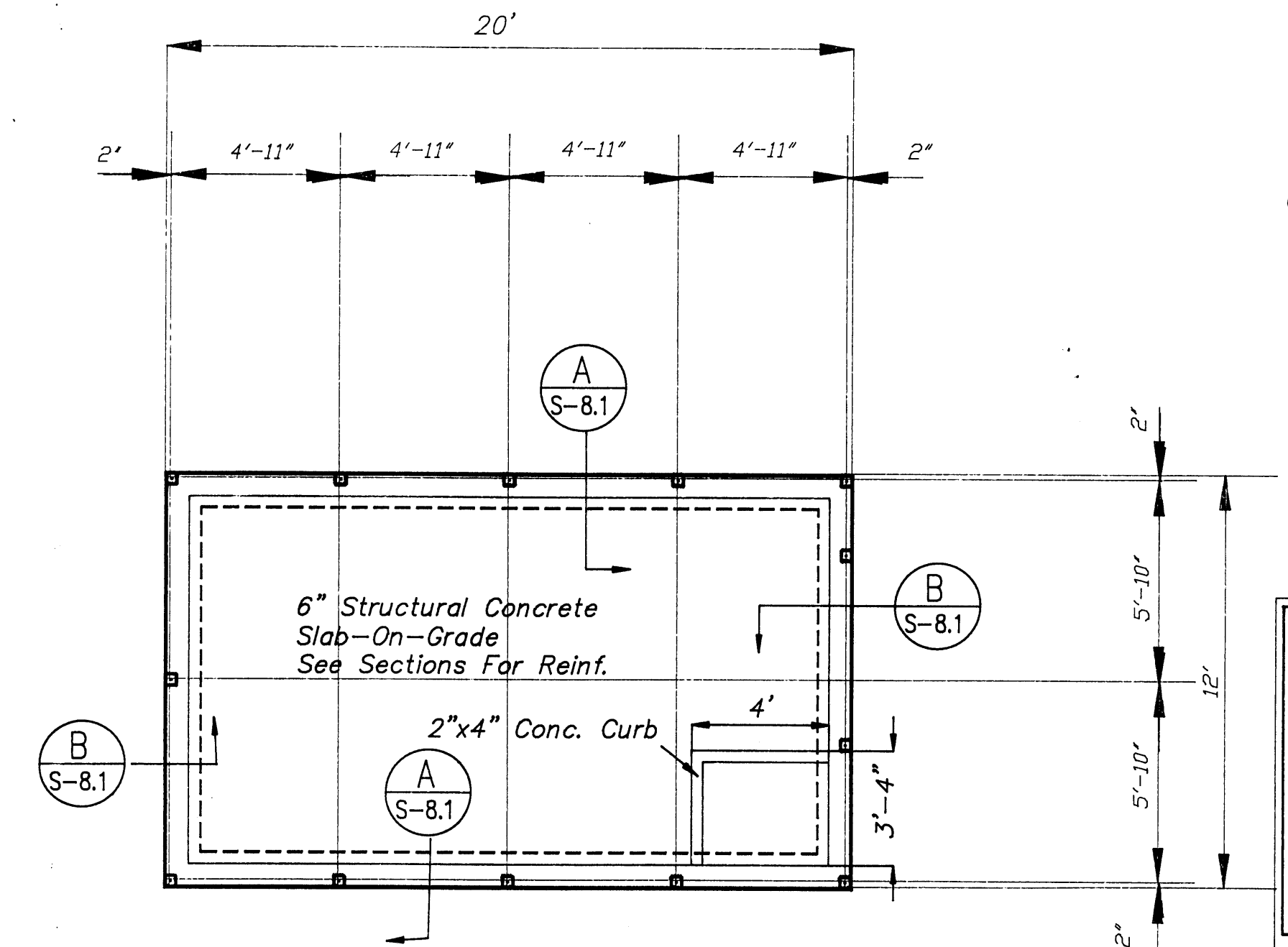
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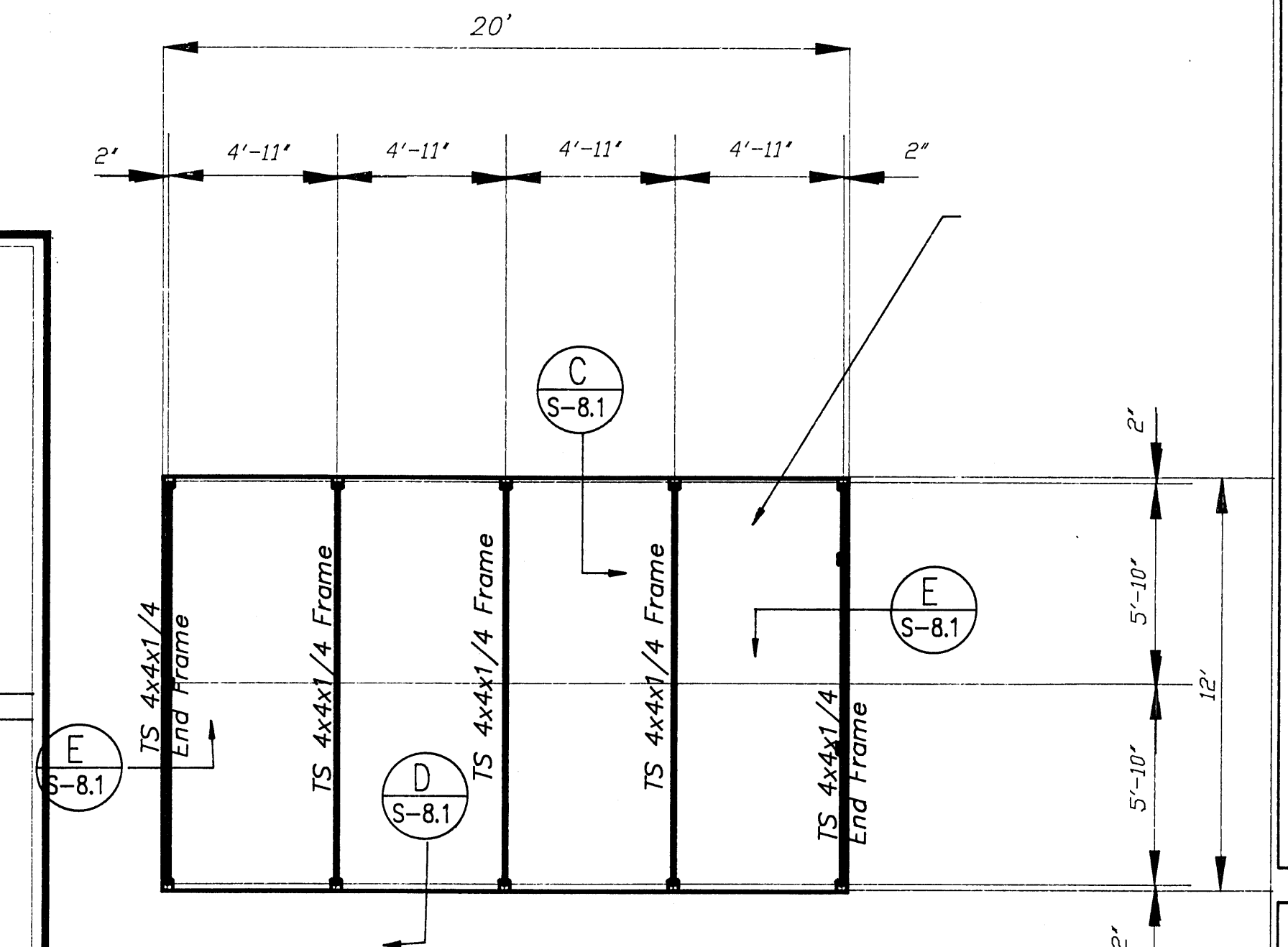
job no. 66
drawn by ahw
date 7/28/88

POL STORAGE
FACILITY
FOUNDATION
& FRAMING
PLANS & DETAILS

S-8.1

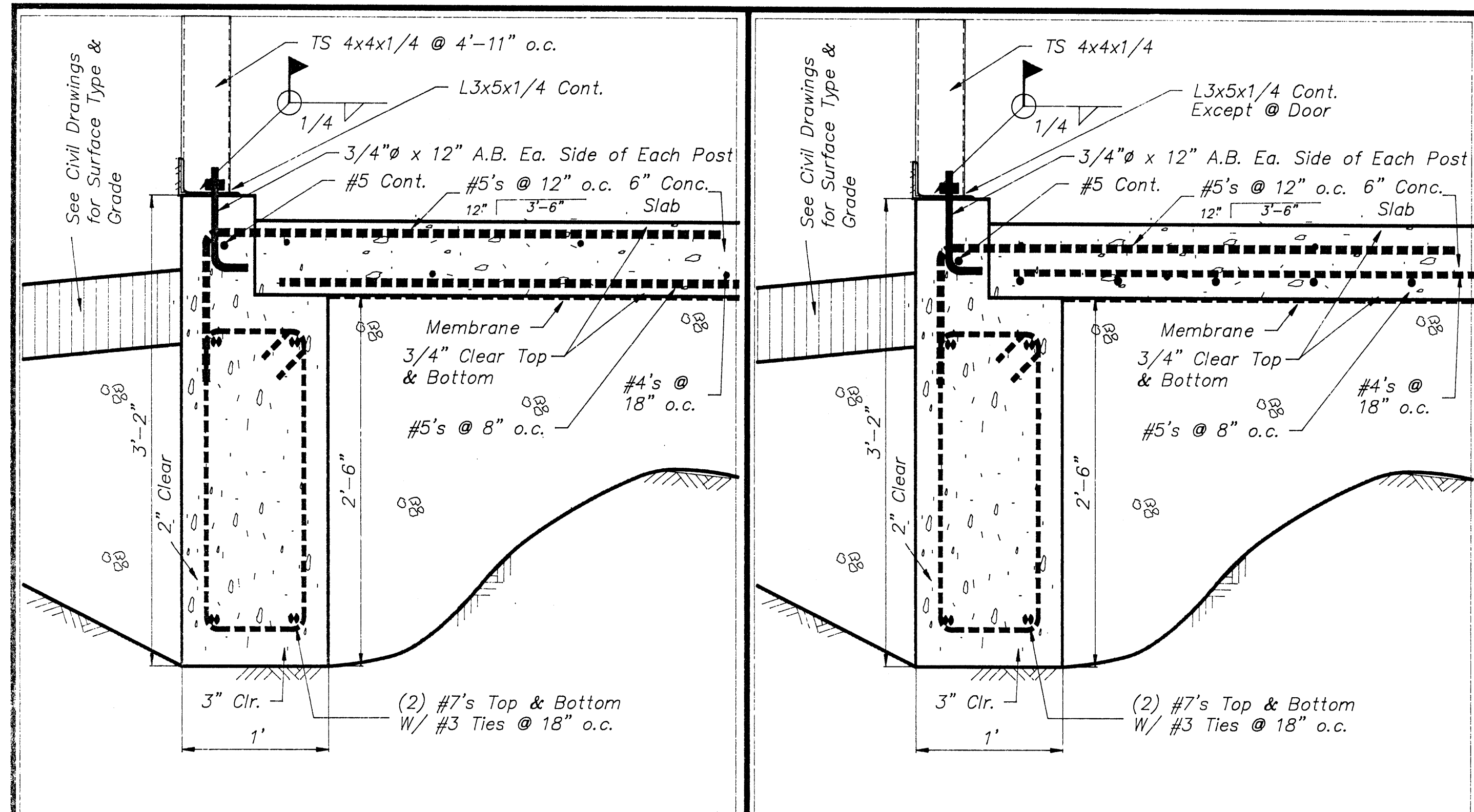


FOUNDATION PLAN 1/4" = 1'

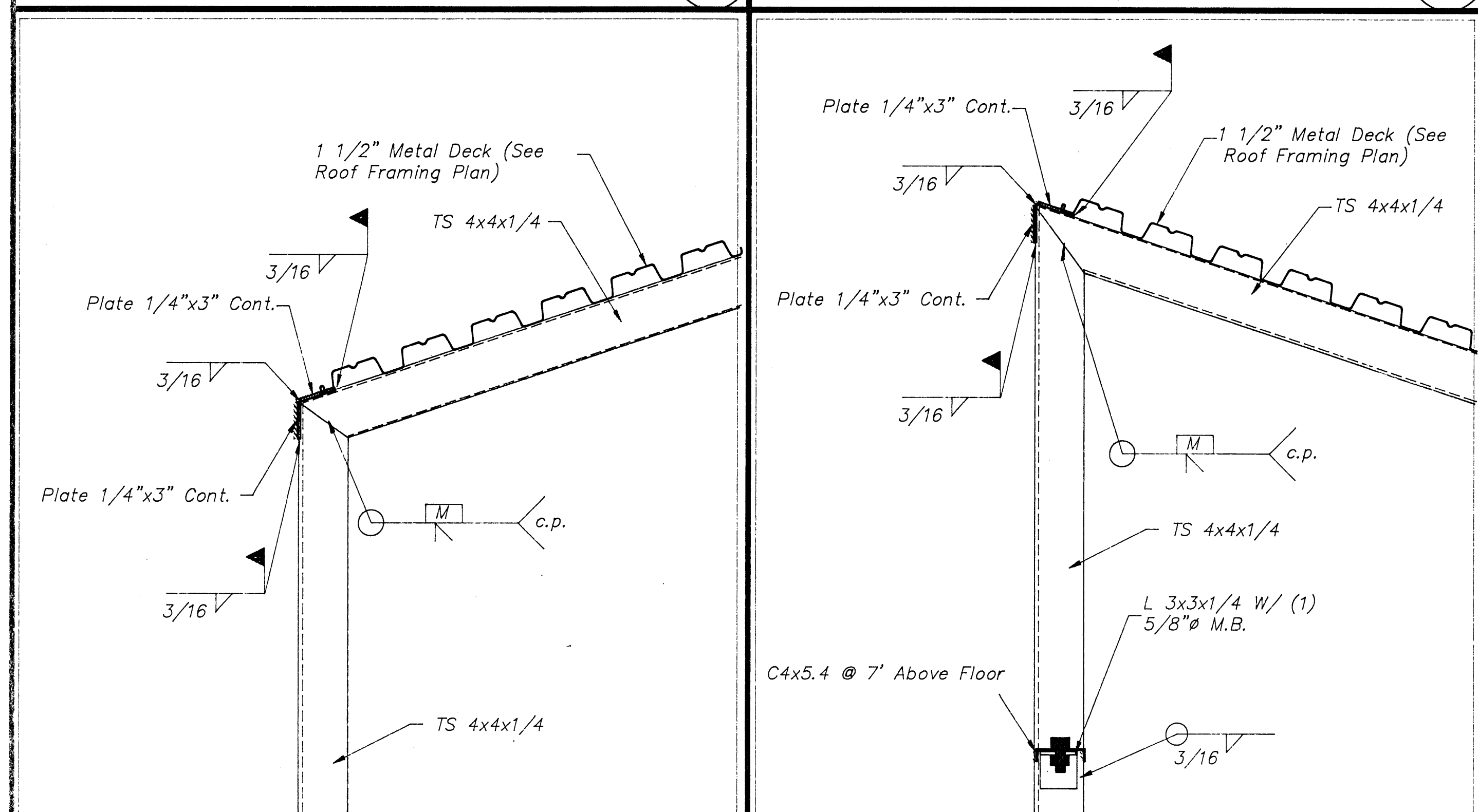


ROOF FRAMING PLAN 1/4" = 1'

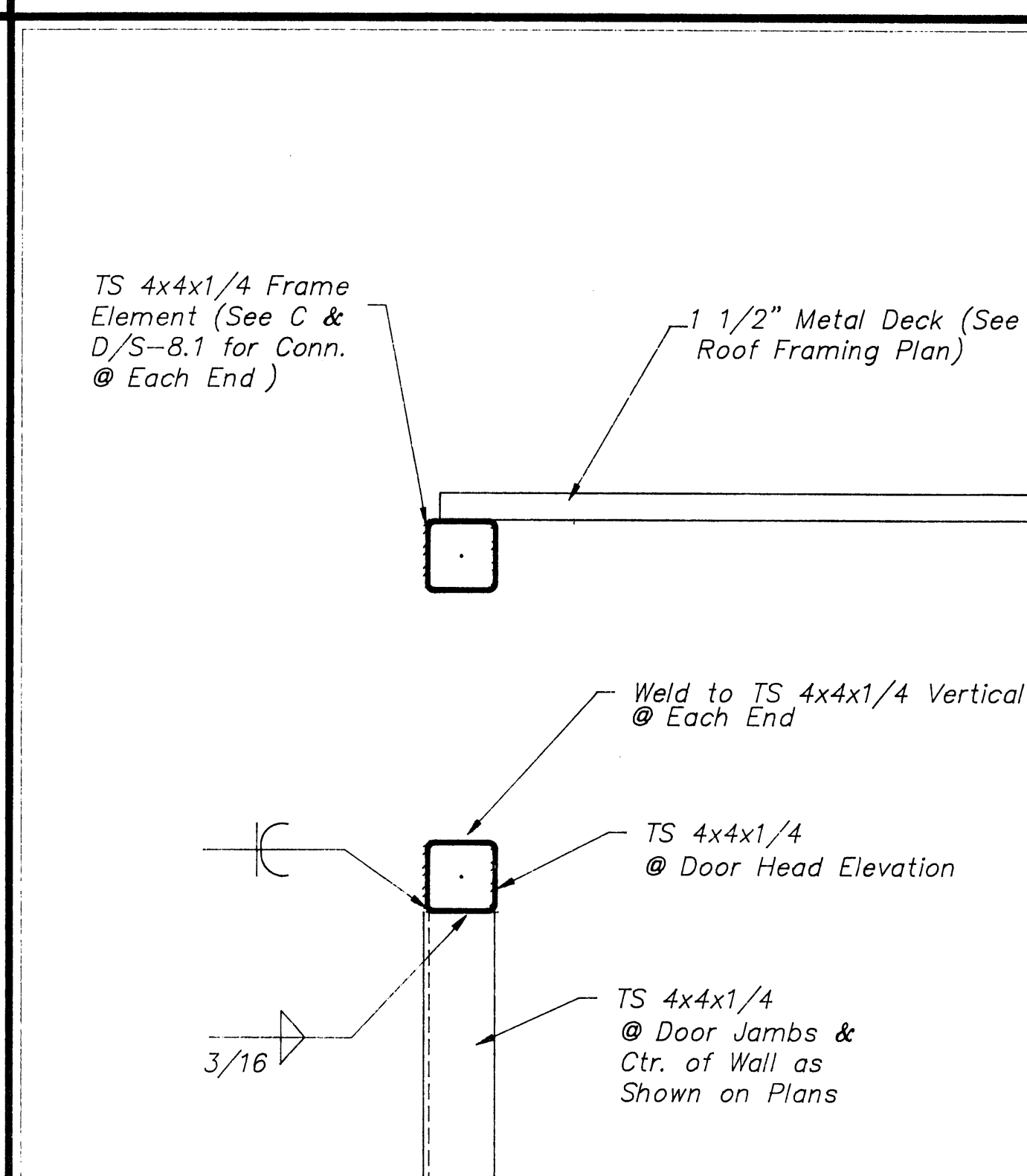
1 1/2", 20 Gage, Galv.,
Wide Rib Steel Roof Deck
Attach to Framing W/
3/4" Puddle Welds @
6" o.c. & Bottom Punch
Side Seams @ 18" o.c.



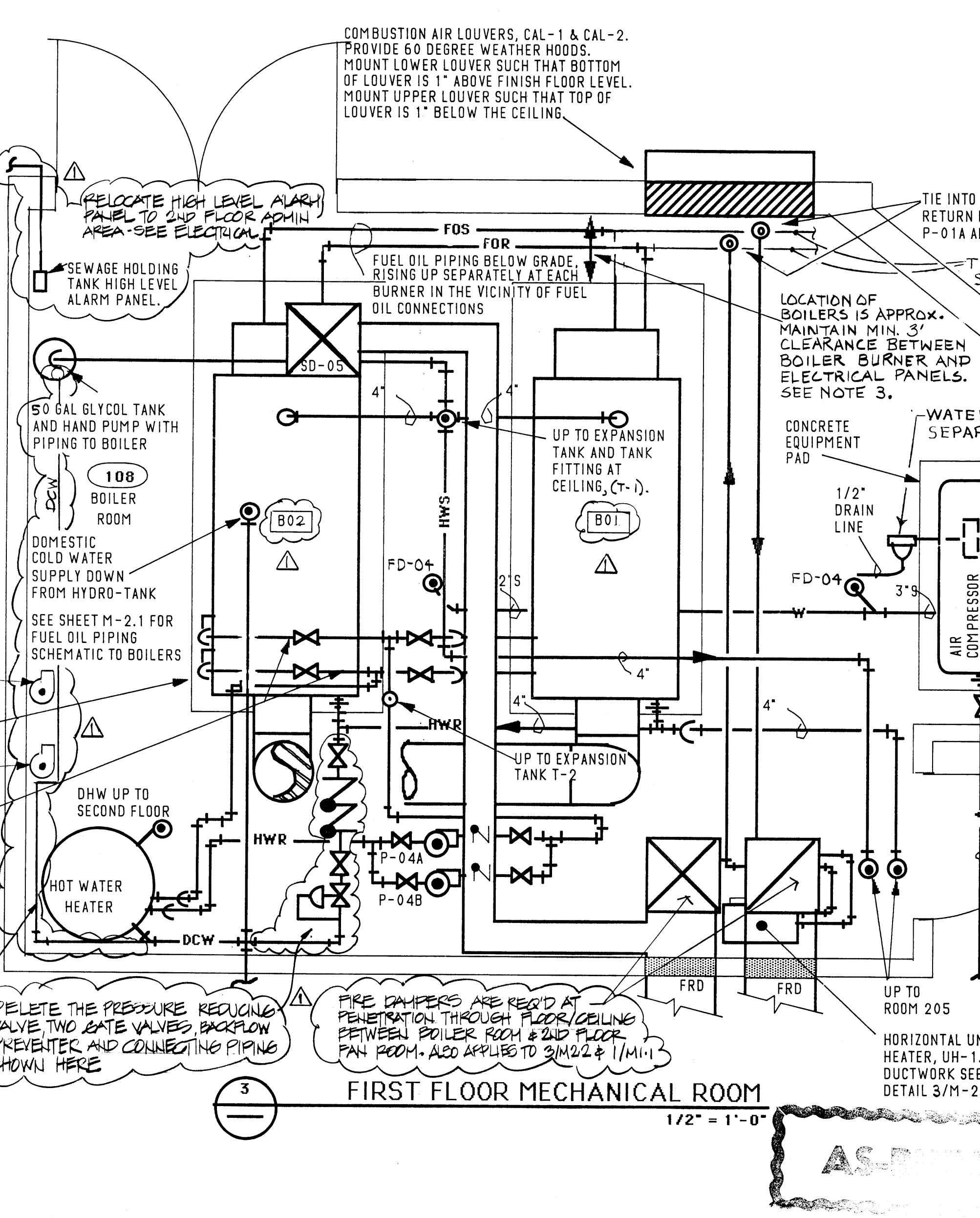
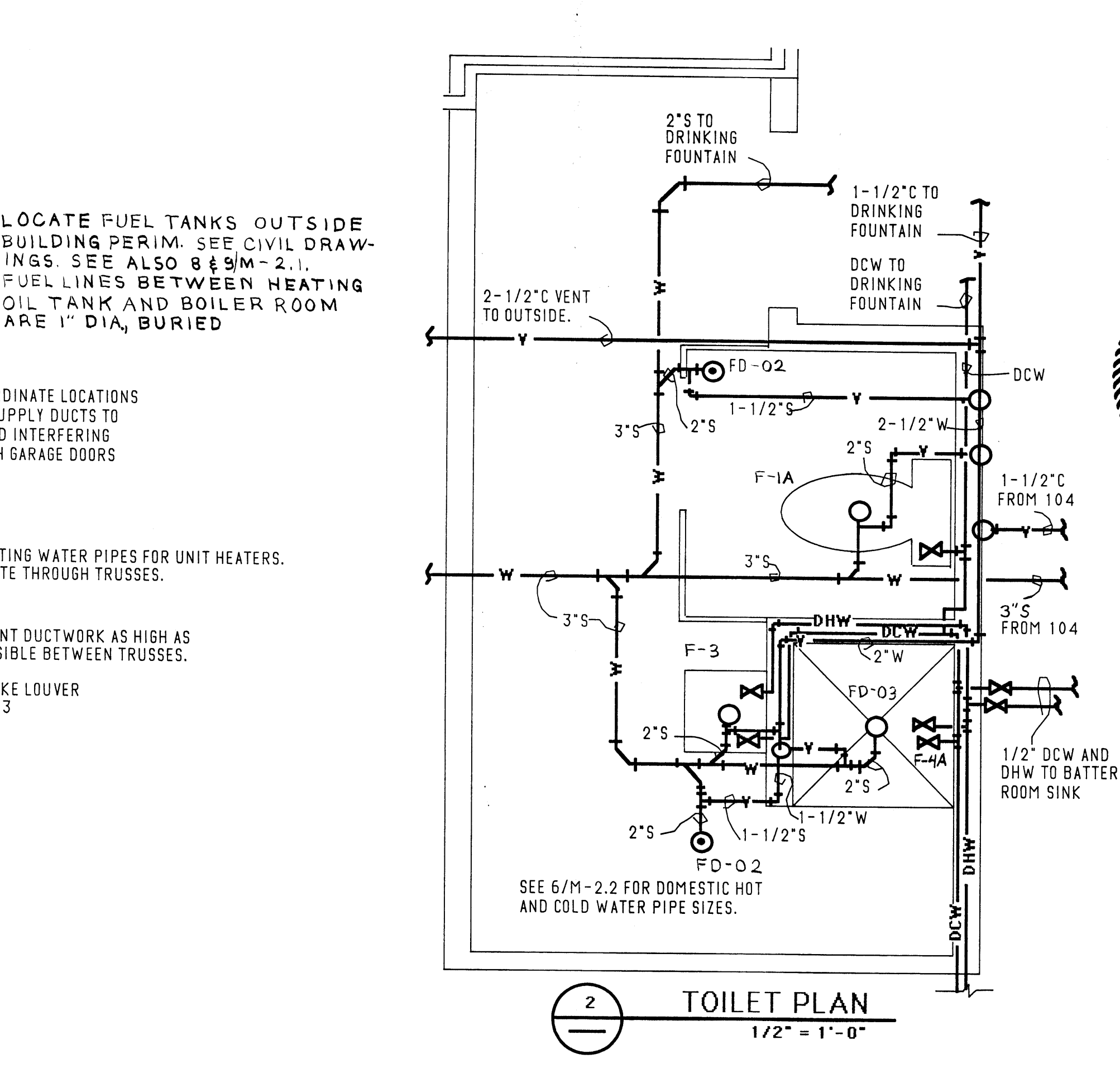
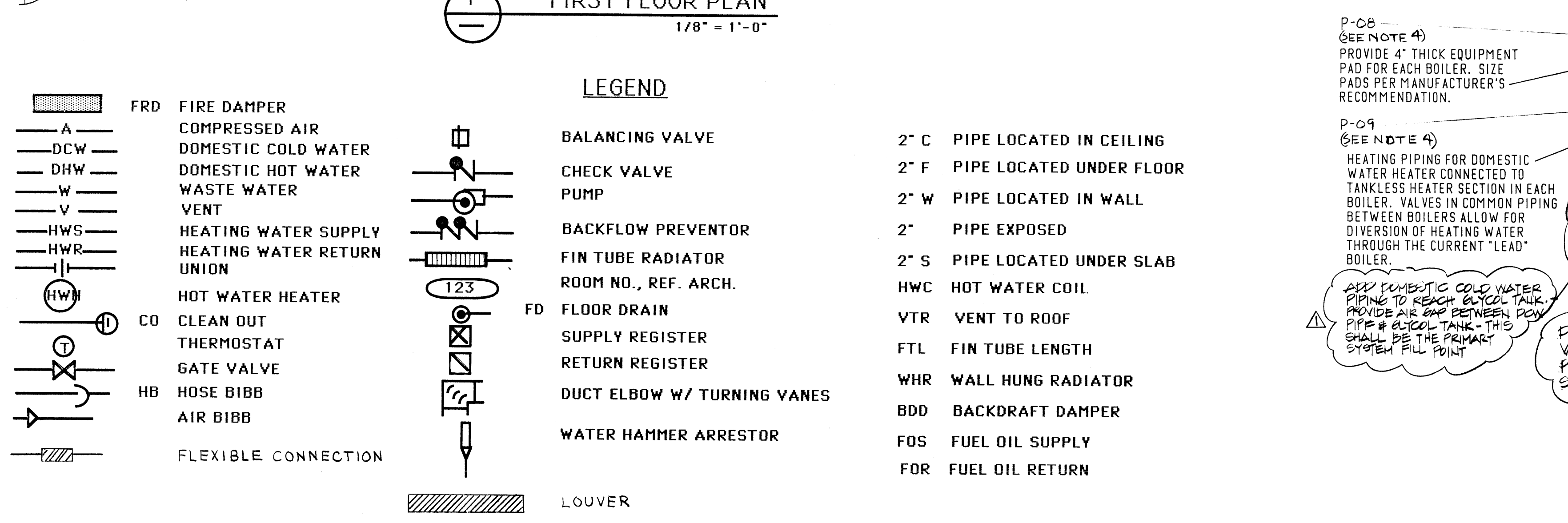
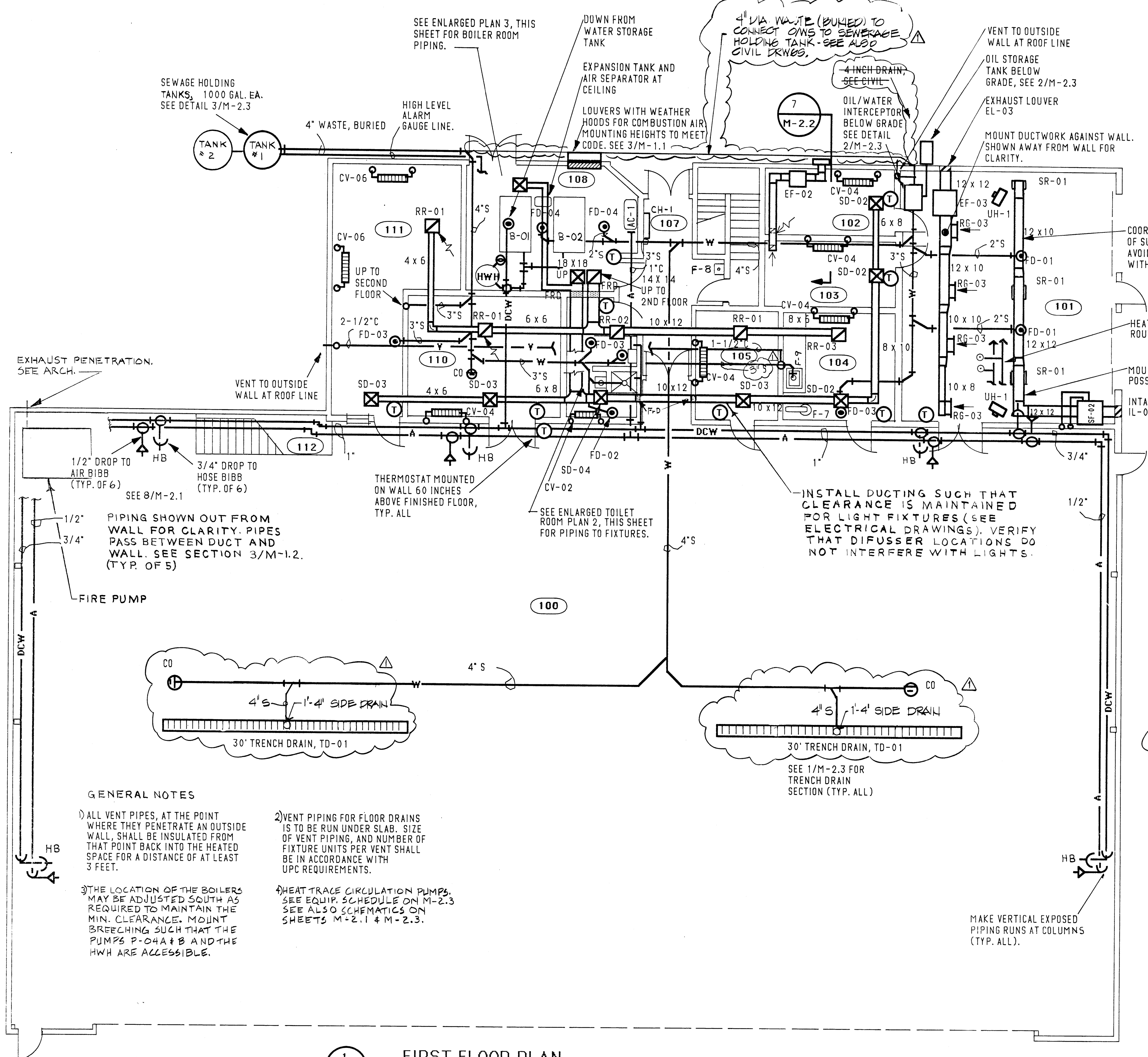
Footing Section @ Sides (A) SCALE: 1 1/2" = 1'-0"
Footing Section @ Ends (B) SCALE: 1 1/2" = 1'-0"



Roof Section @ Eave Side (C) SCALE: 1 1/2" = 1'-0"
Roof Section @ Ridge Side (D) SCALE: 1 1/2" = 1'-0"



Roof Section @ End Walls (E) SCALE: 1 1/2" = 1'-0"



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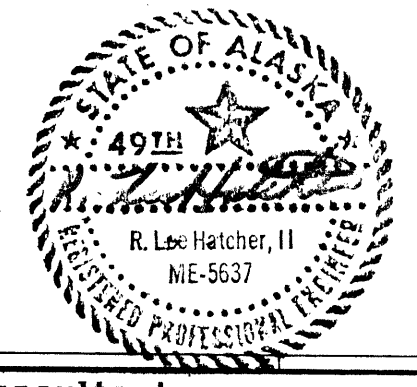
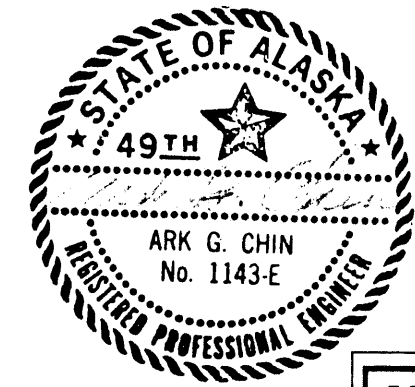
For the Dept. of Military Affairs
D.O.T.P.F. / State of Alaska

Job no.: 1033-07
drawn by: BLS/KES/CMP
date: 7/28/88

AS-BUILT REVISIONS
1/2/90

FIRST FLOOR
PIPING, DUCTWORK
AND EQUIPMENT

M-1.1



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job no. 1033-07

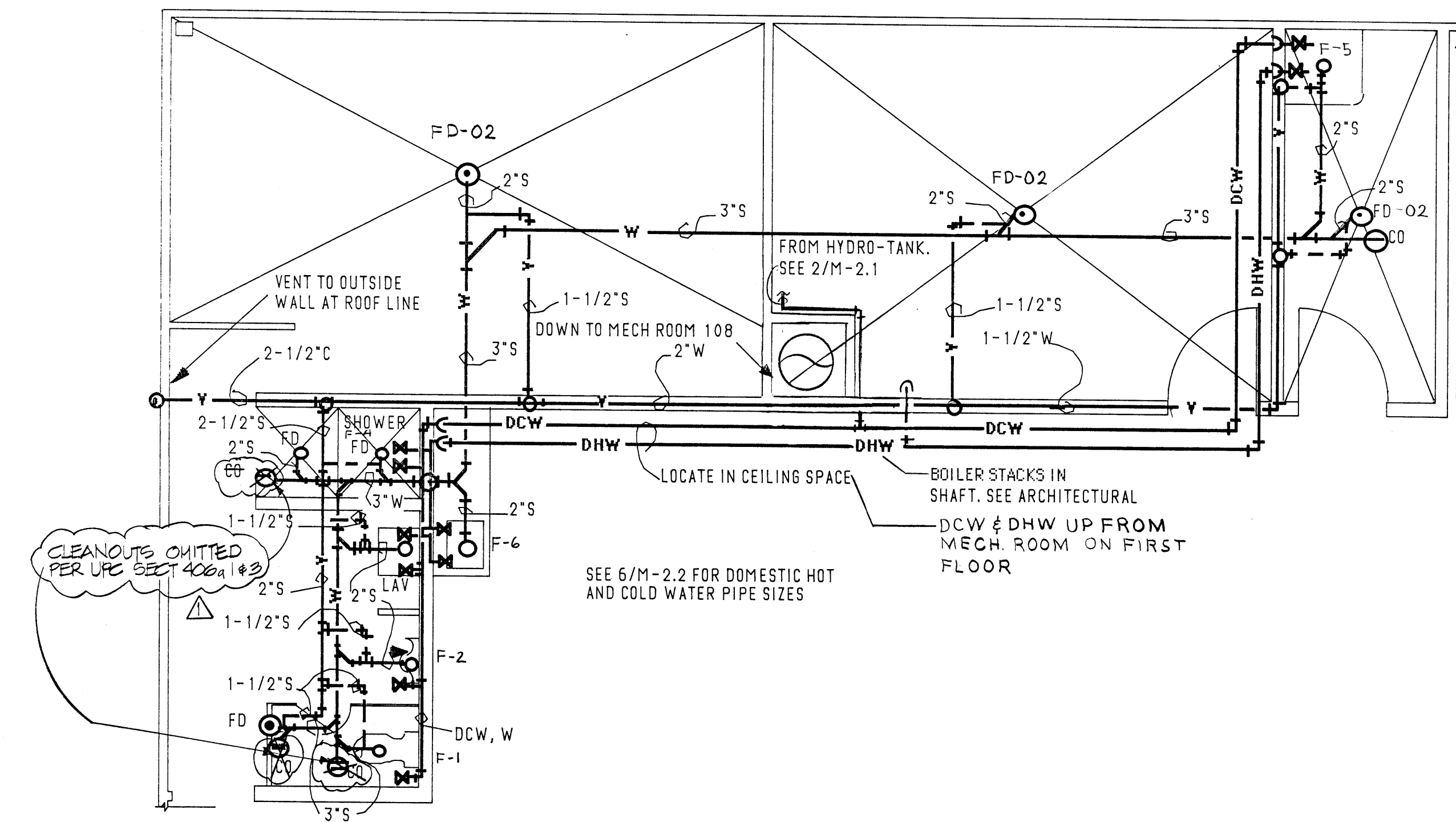
drawn by: BLS/KES/CMP

date 7/28/88

AS-BUILT REVISIONS
2/10/90

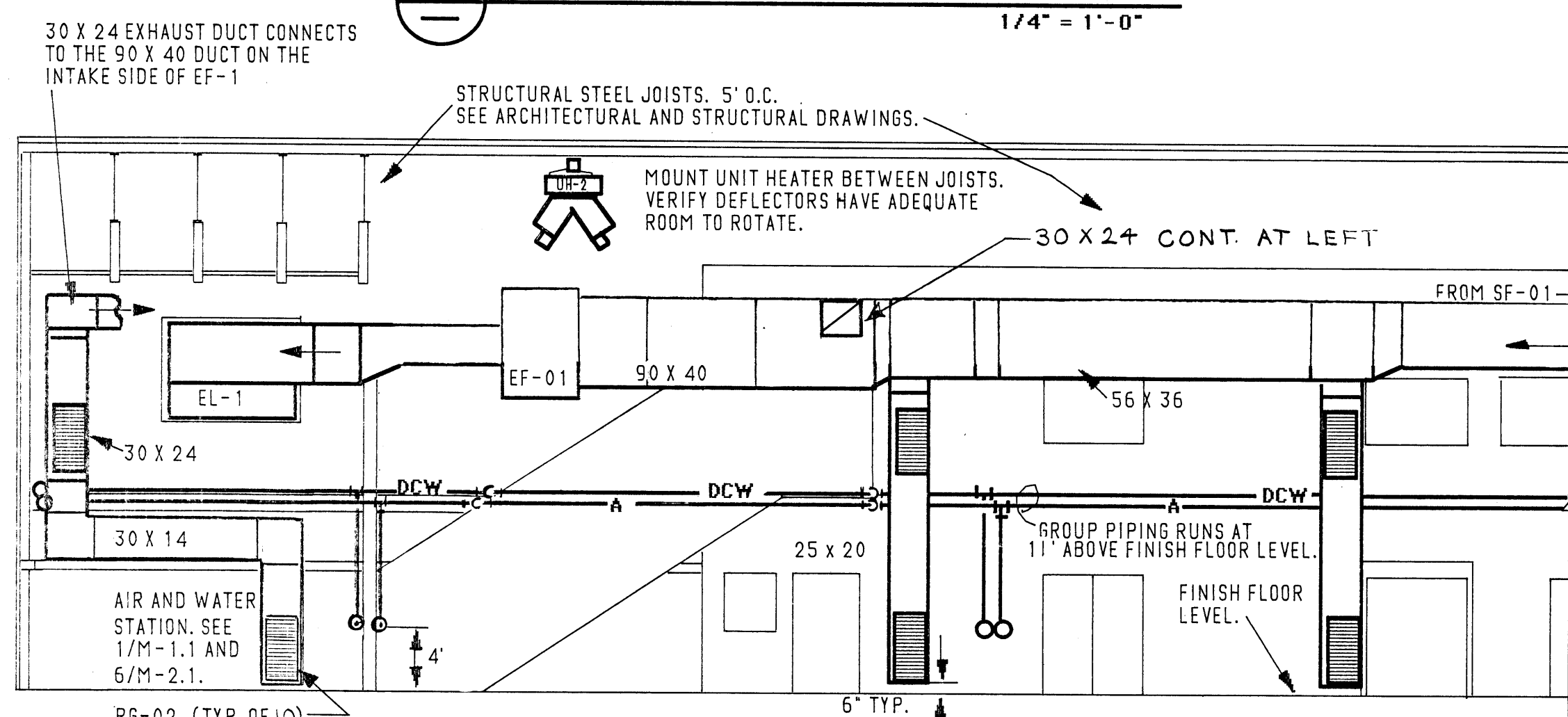
SECOND FLOOR
DUCTWORK, PIPING
AND EQUIPMENT

M-1.2



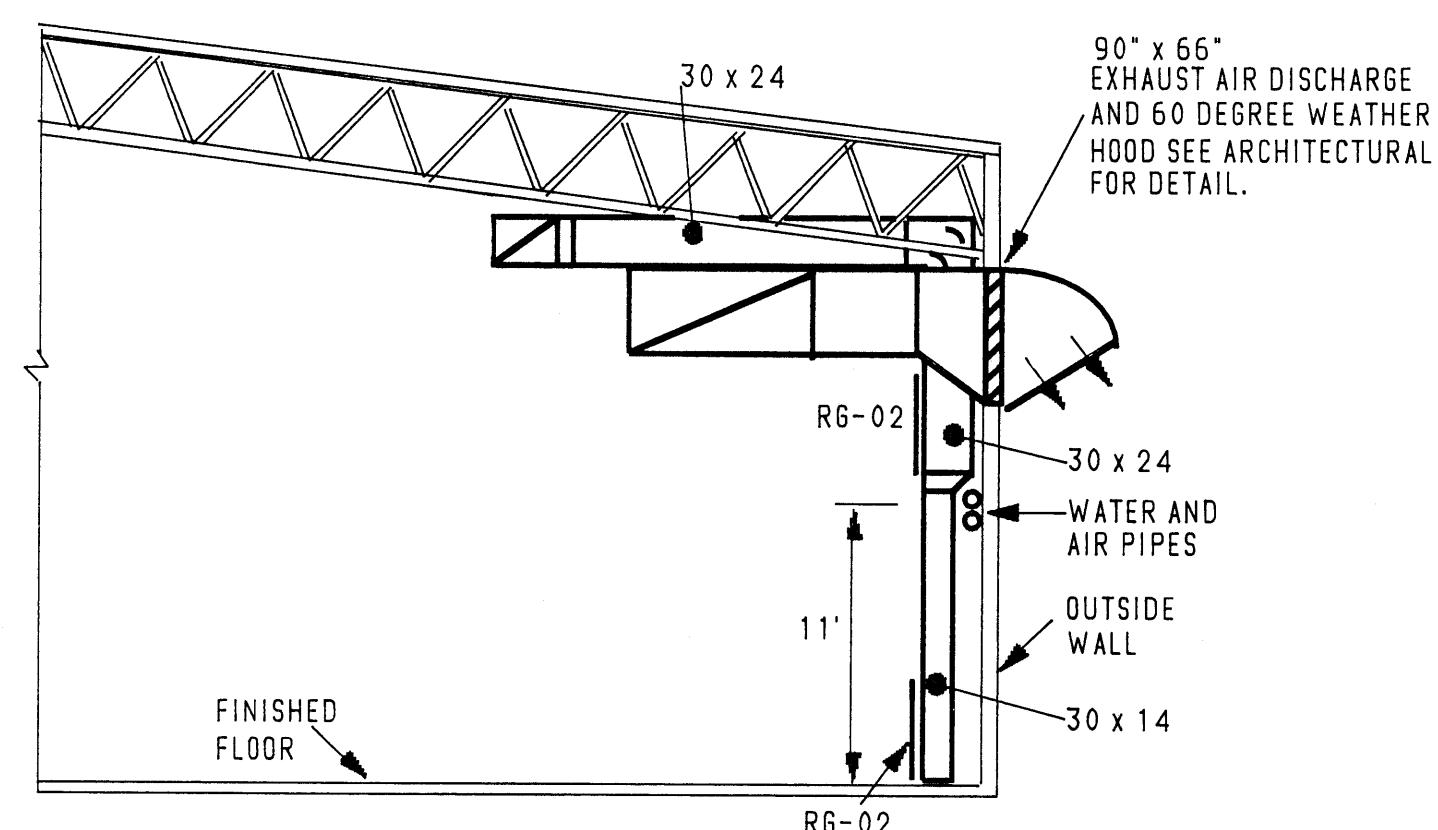
PARTIAL SECOND FLOOR PLAN

1/4" = 1'-0"



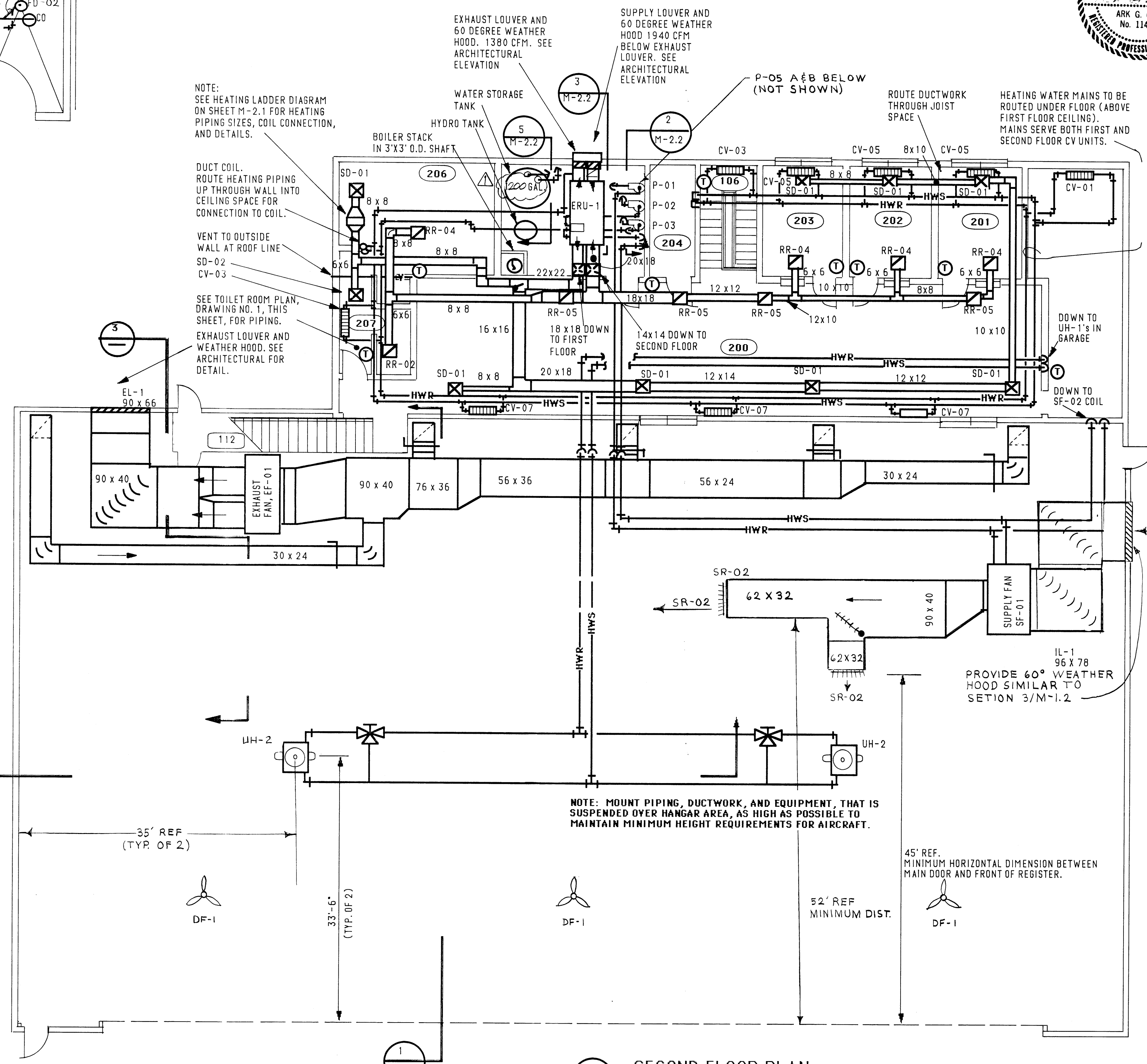
SECTION

1/8" = 1'-0"



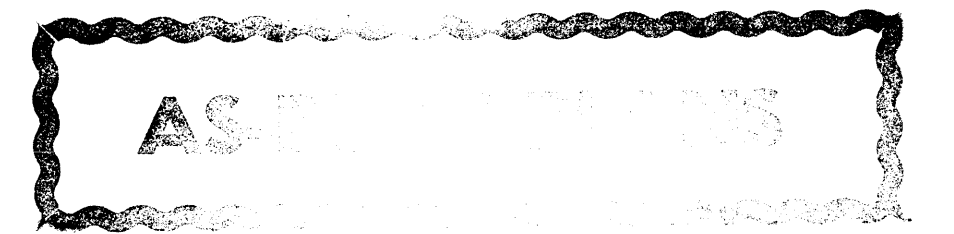
SECTION

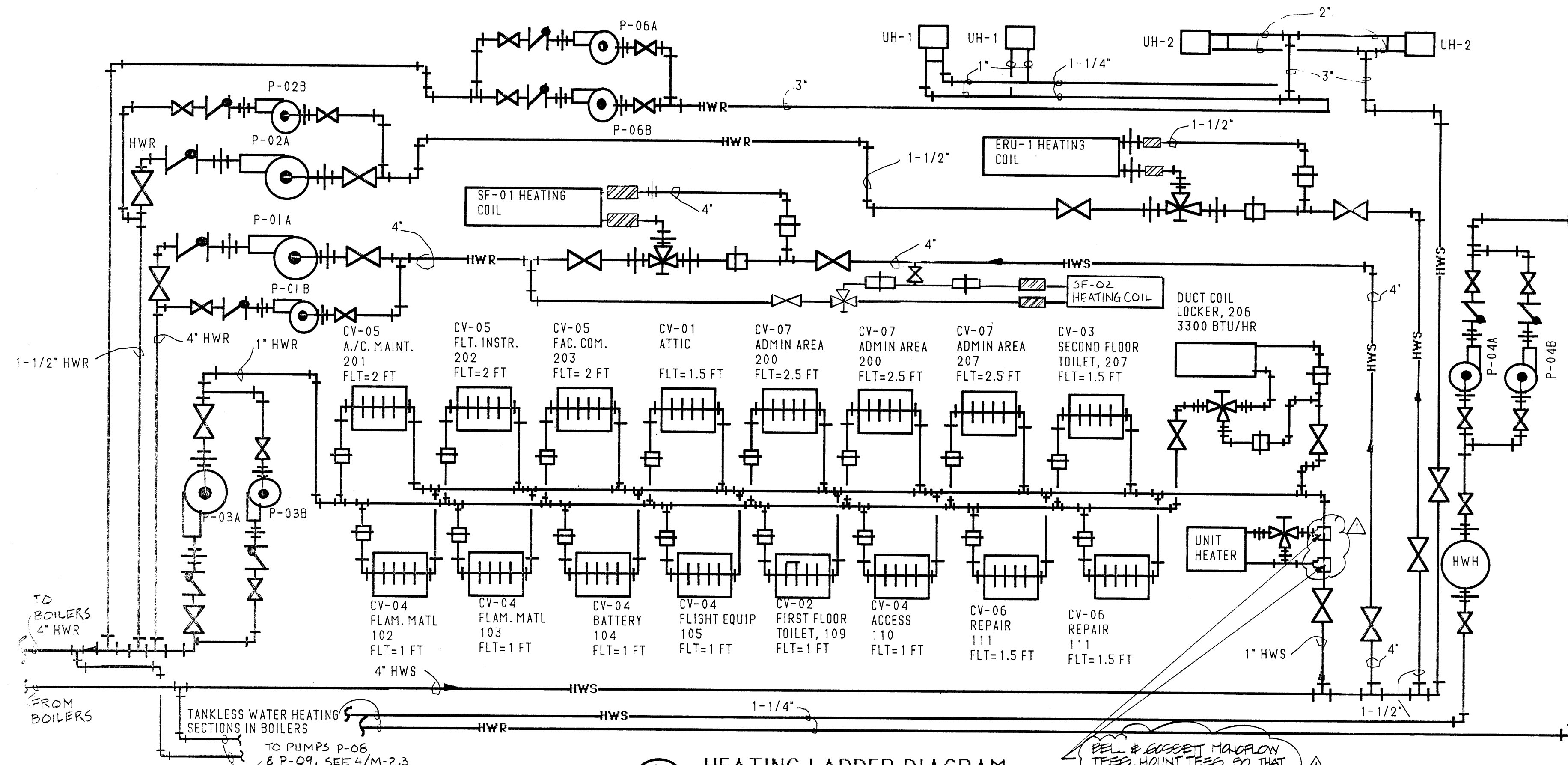
1/8" = 1'-0"



SECOND FLOOR PLAN

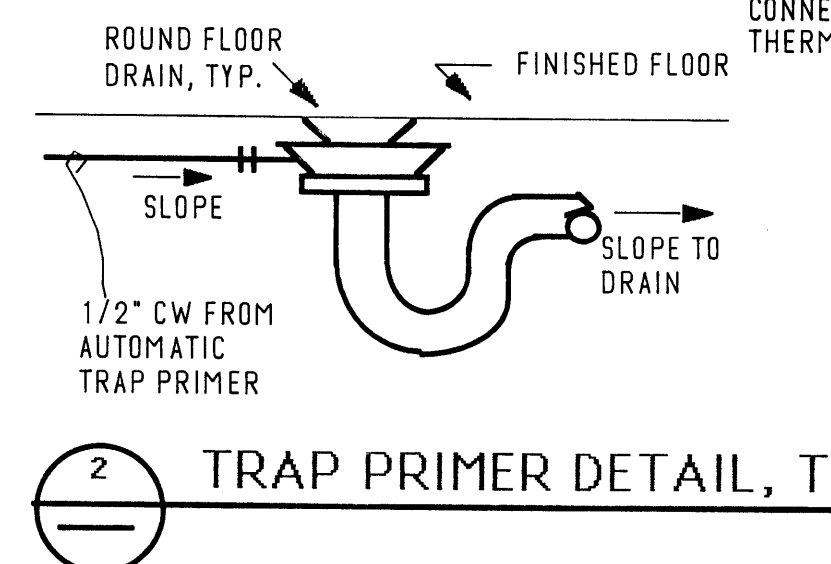
SCALE: 1/8" = 1'-0"



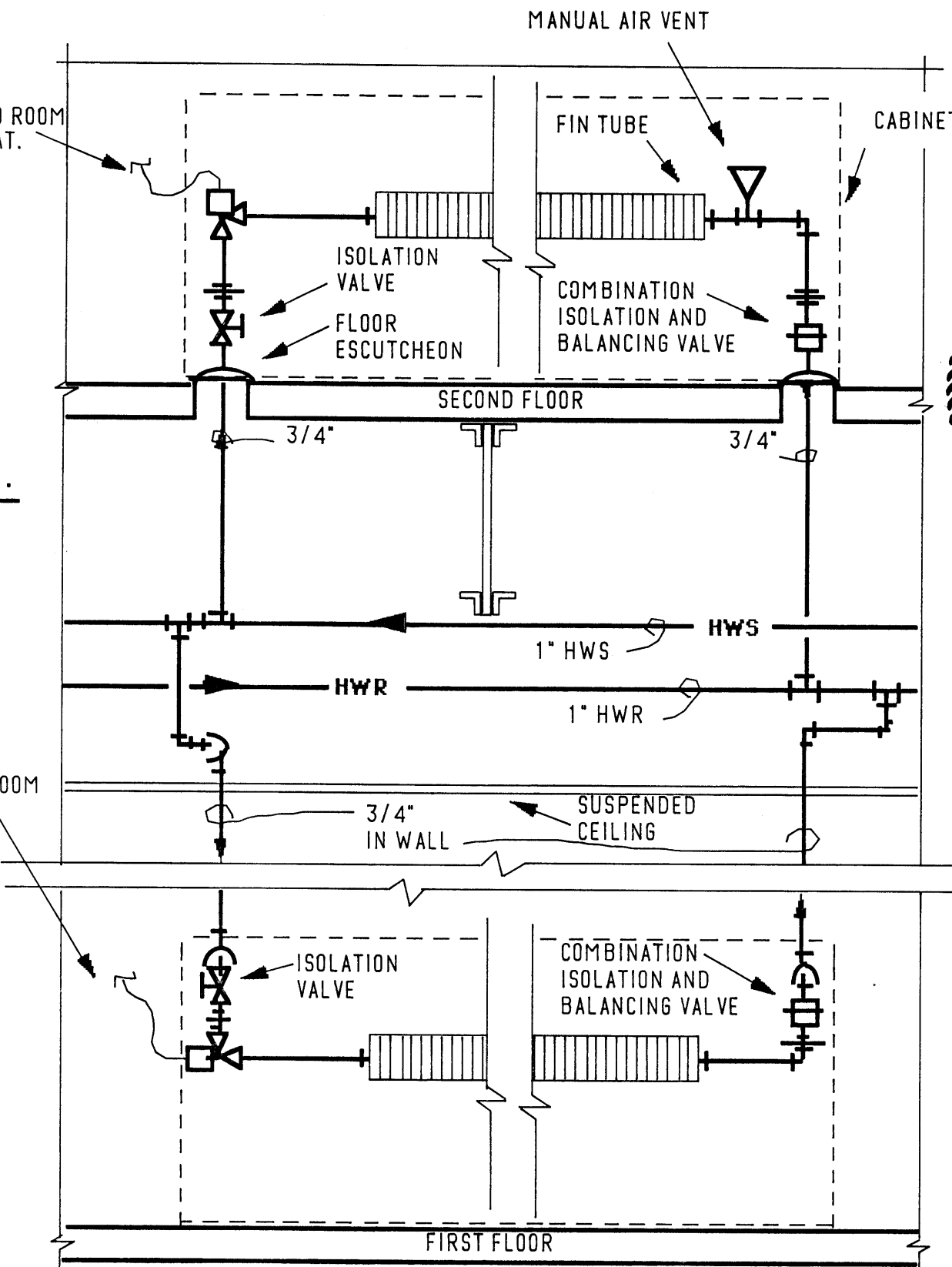


1 HEATING LADDER DIAGRAM
NTS

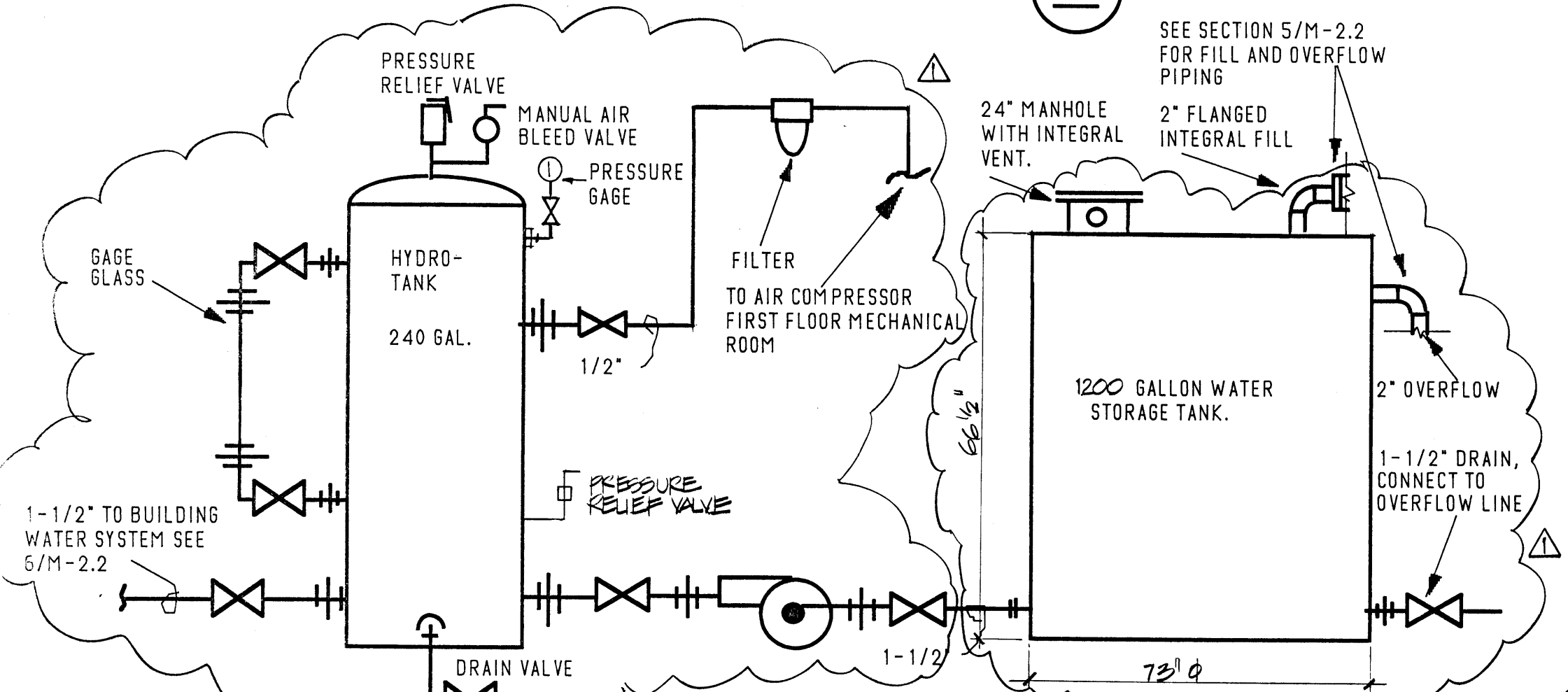
TRAP PRIMERS SHALL BE INSTALLED ONLY WHERE REQUIRED BY CODE. SEE 6/M-2.2.



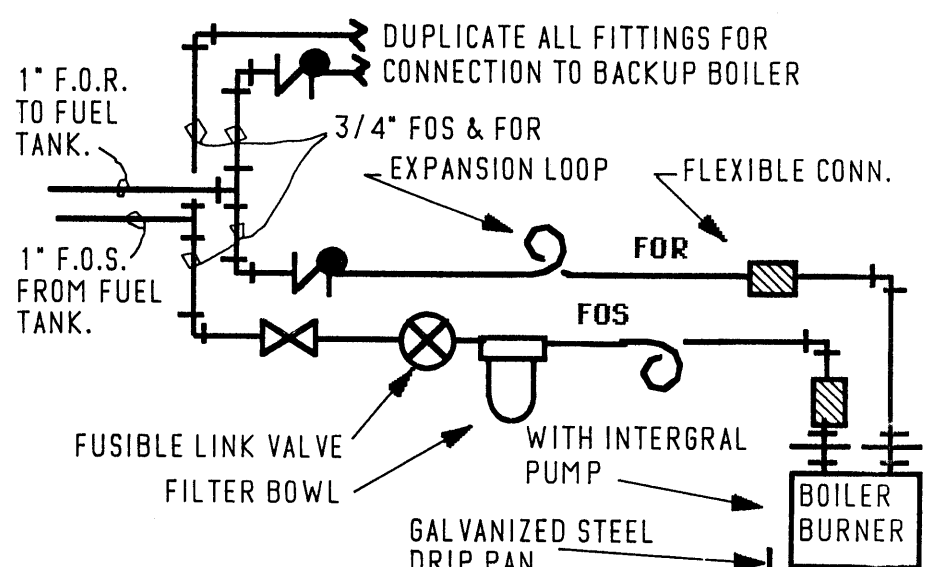
3 HORIZONTAL UNIT HEATER, UH-1
NTS



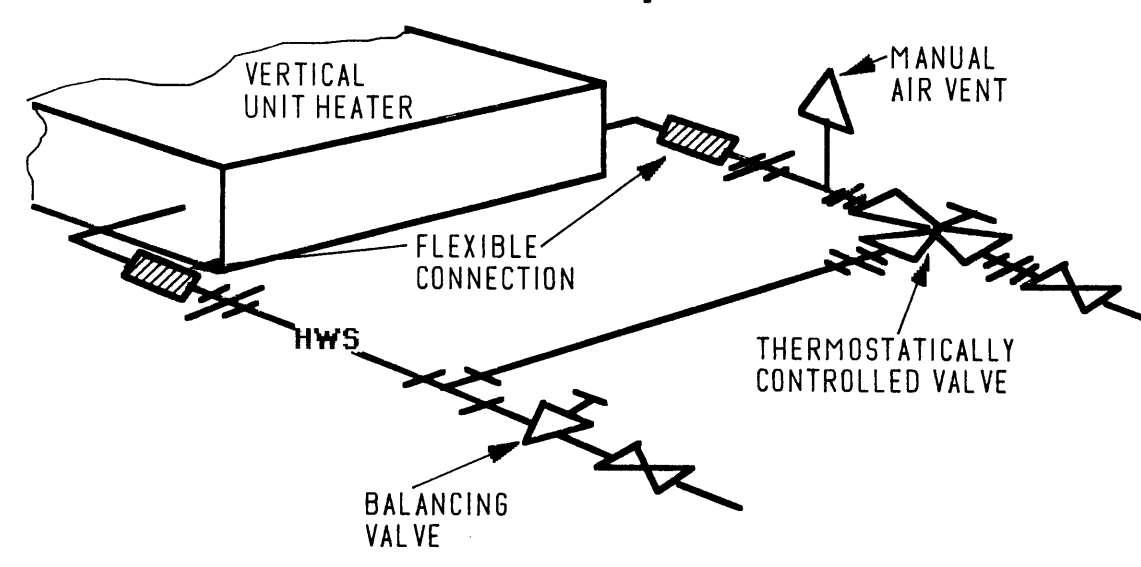
4 FLOOR MOUNTED RADIATOR
NTS



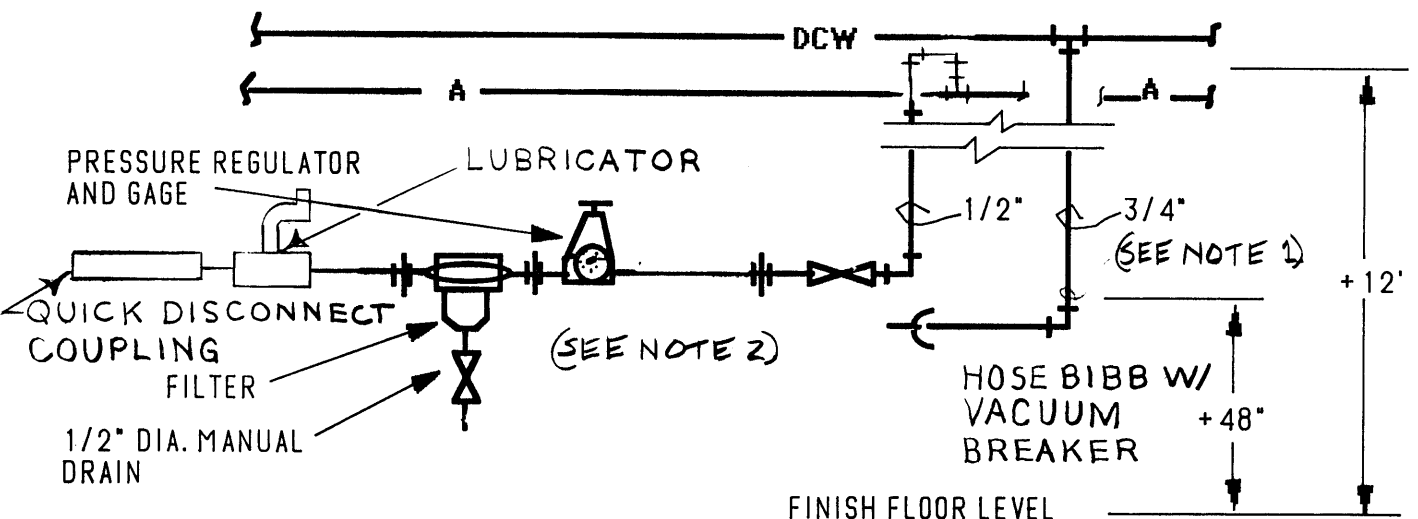
5 HYDRO TANK SCHEMATIC
NTS



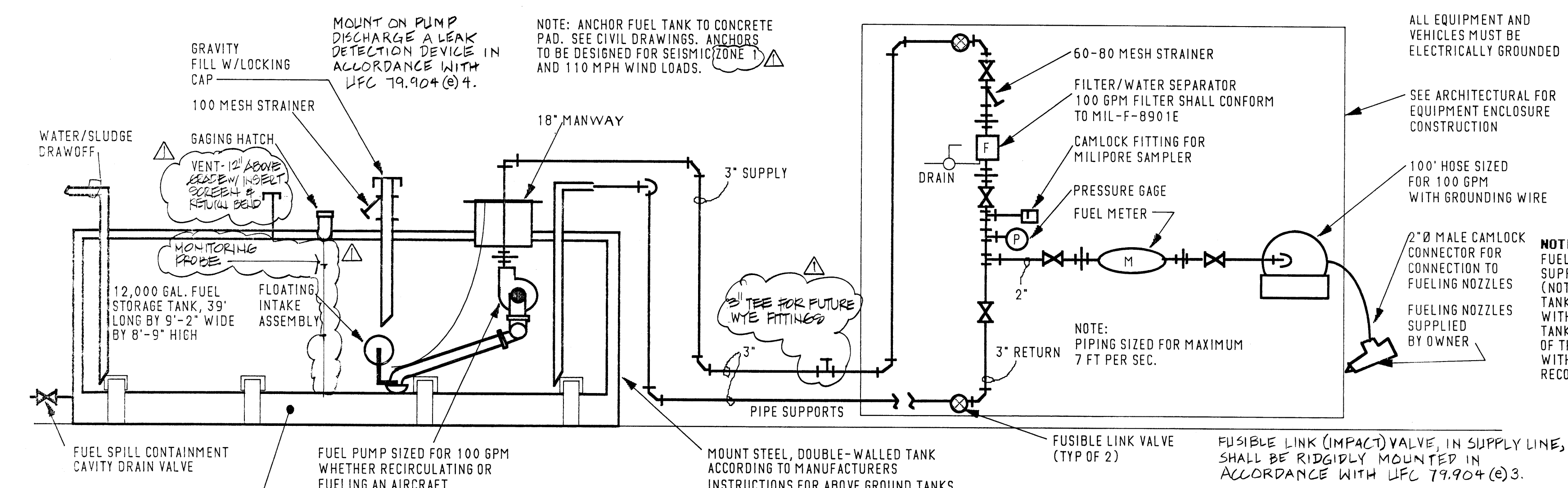
6 FUEL OIL PIPING SCHEMATIC
NTS



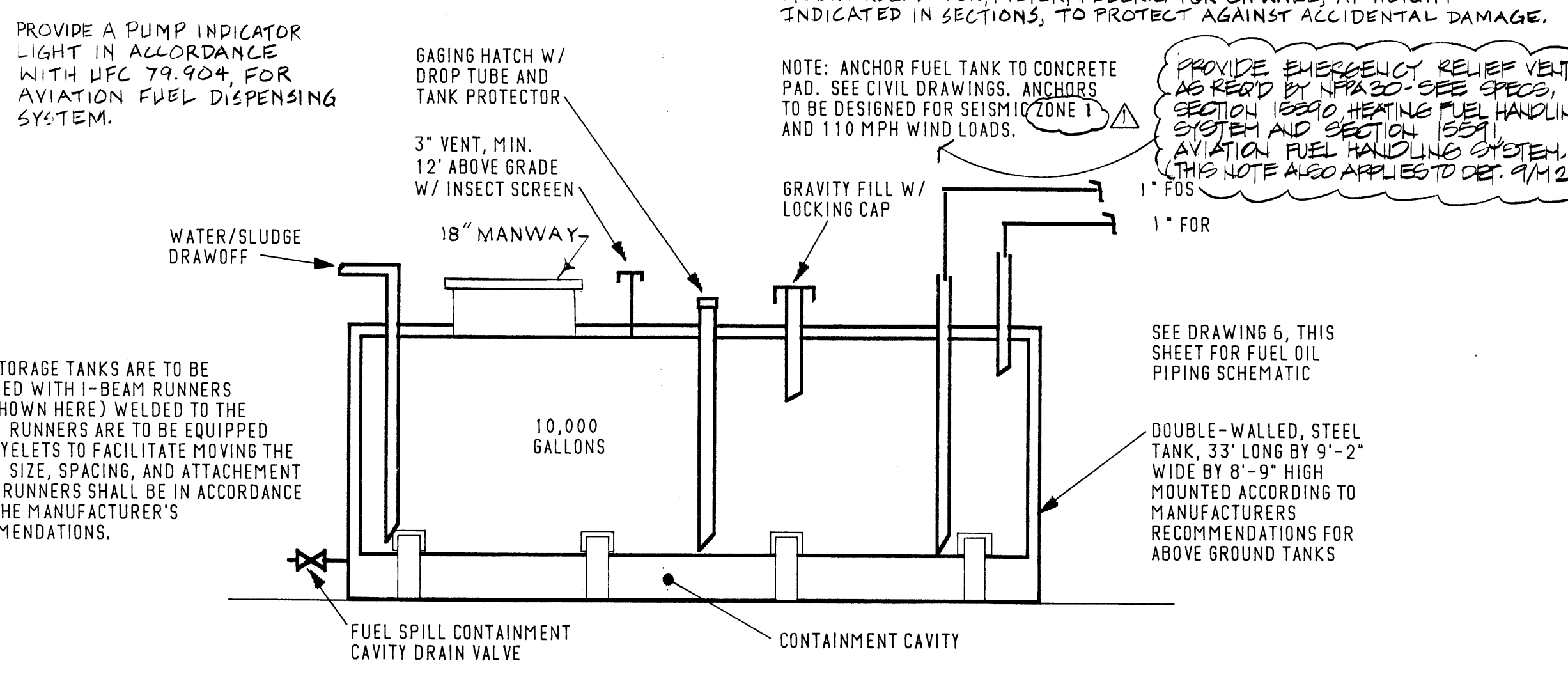
7 VERTICAL UNIT HEATER, UH-2
NTS



8 TYP. WATER/COMPRESSED AIR STATION
NTS



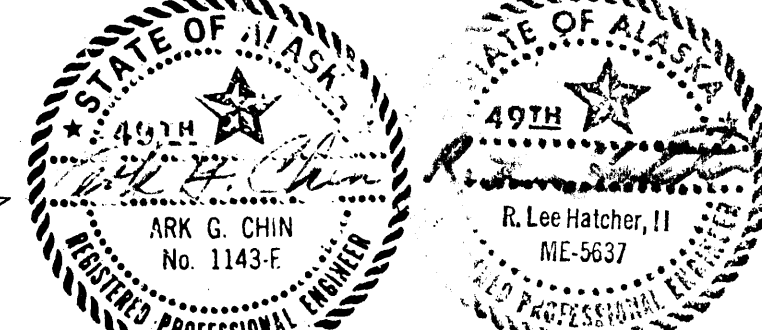
9 AVIATION FUEL PIPING
NTS



10 HEATING FUEL STORAGE TANK DETAIL
NTS

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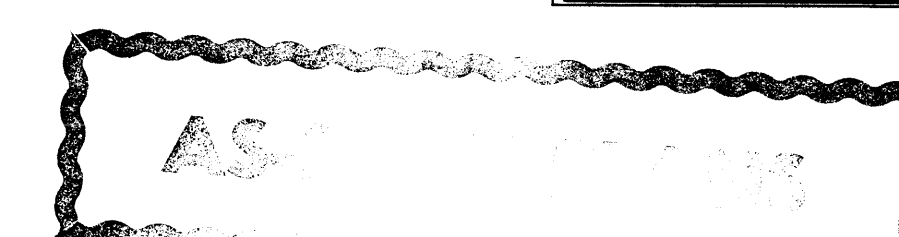
Job no.: 1033-07

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date: 7/28/88

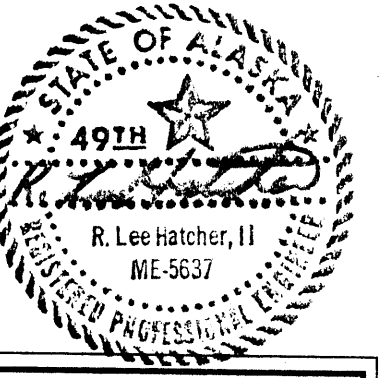
AS-BUILT REVISIONS
9/8/90

M-2.1



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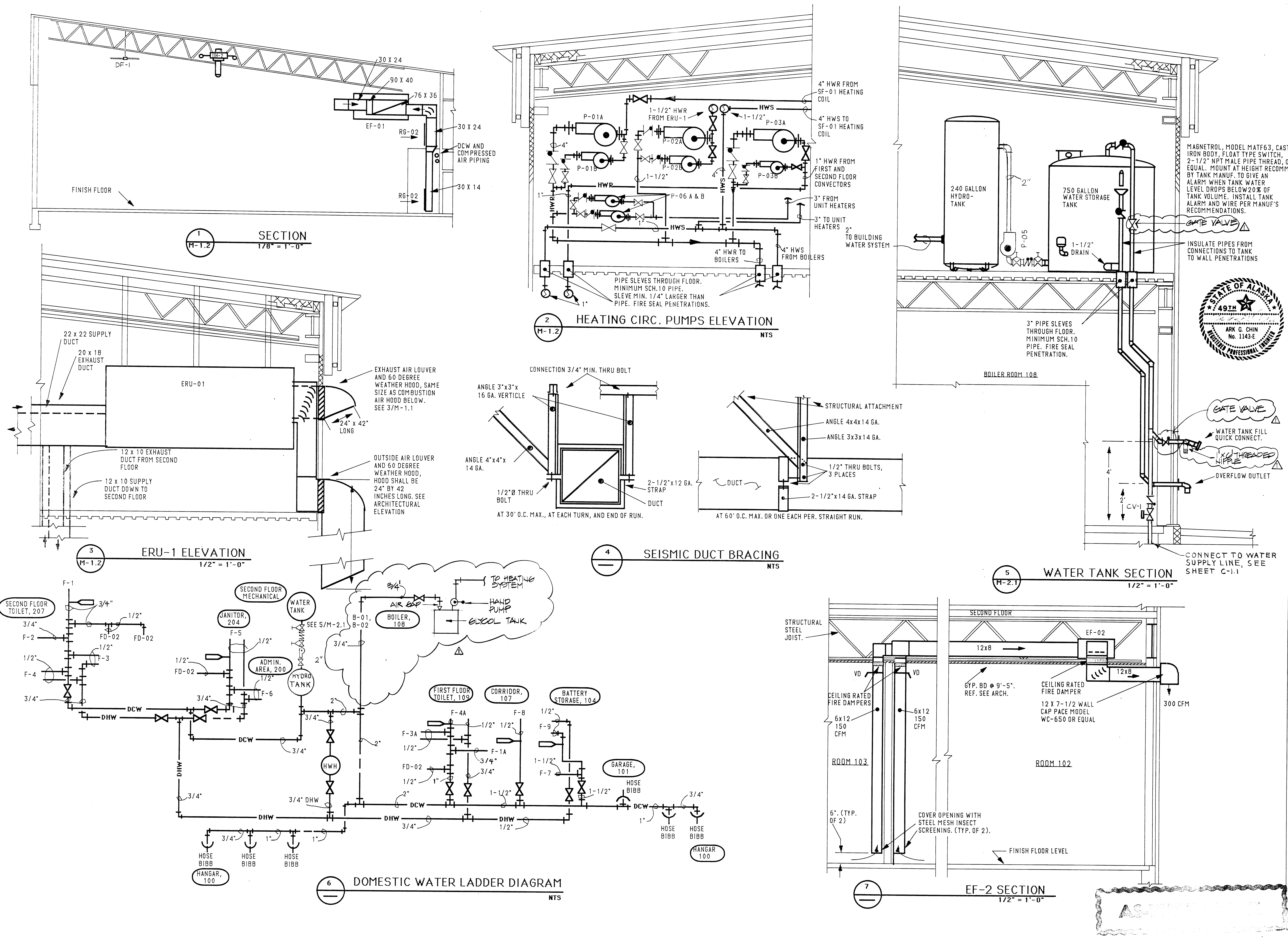
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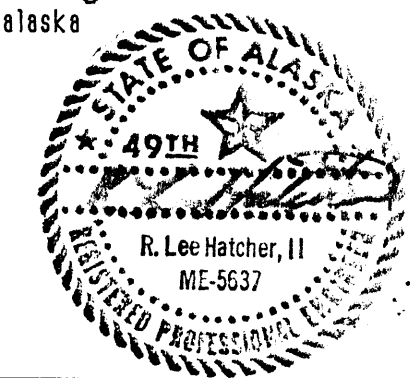
job no.: 1033-07
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AS-BUILT REVISIONS
1/3/90

MISC. DETAILS

M-2.2





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AS-BUILT REVISIONS
1/5/90

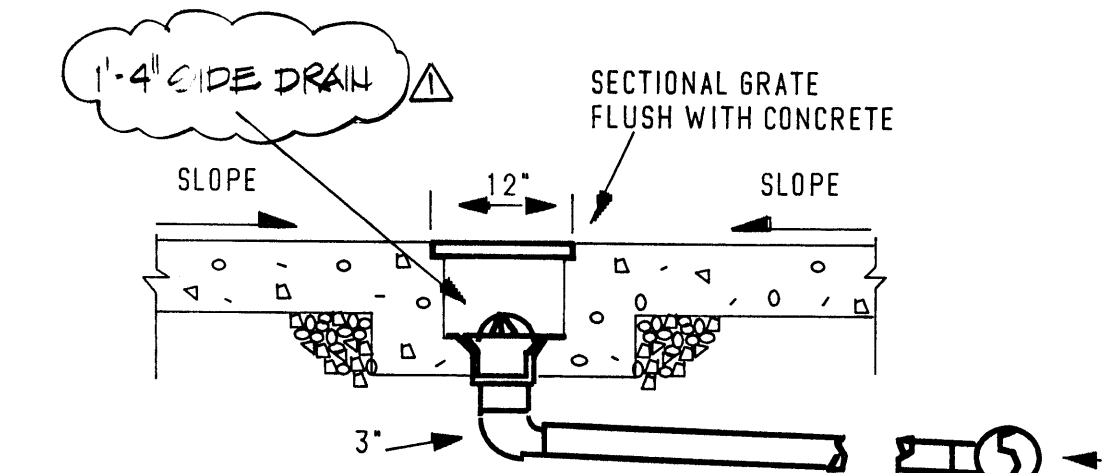
SCHEDULES &
DETAILS

M-2.3

DIFFUSER/REGISTER/GRILLE SCHEDULE

MARK	SIZE	CFM	S.P. (INCH W.G.)	TYPE	DIRECTION
SD-01	8 x 8	150	0.06	SUPPLY DIFFUSER	3-WAY
SD-02	6 x 6	100	0.06	SUPPLY DIFFUSER	3-WAY
SD-03	6 x 6	50	0.015	SUPPLY DIFFUSER	3-WAY
SD-04	6 x 6	90	0.06	SUPPLY DIFFUSER	3-WAY
SD-05	16 x 16	700	0.06	SUPPLY DIFFUSER	4-WAY
RR-01	6 x 6	40	0.08	RETURN REGISTER	-
RR-02	6 x 6	80	0.08	RETURN REGISTER	-
RR-03	6 x 6	100	0.19	RETURN REGISTER	-
RR-04	8 x 6	120	0.10	RETURN REGISTER	-
RR-05	8 x 6	130	0.10	RETURN REGISTER	-
RG-02	48 x 24	2200	0.06	RETURN GRILLE	-
RG-03	10 x 8	170	0.12	RETURN GRILLE	-
RG-04	18 x 12	650	0.04	RETURN GRILLE	-
SR-01	12 x 10	230	0.04	SUPPLY REGISTER	-
SR-02	60 x 30	11000	0.04	SUPPLY REGISTER	-

HIGH LEVEL ALARM SENSORS. MOUNT SENSOR SUCH THAT ALARM WILL SOUND WHEN TANKS ARE 80% FULL. MOUNT PER MANUFACTURER'S INSTRUCTIONS. KENCO, MODEL 124G15, OR EQUAL.

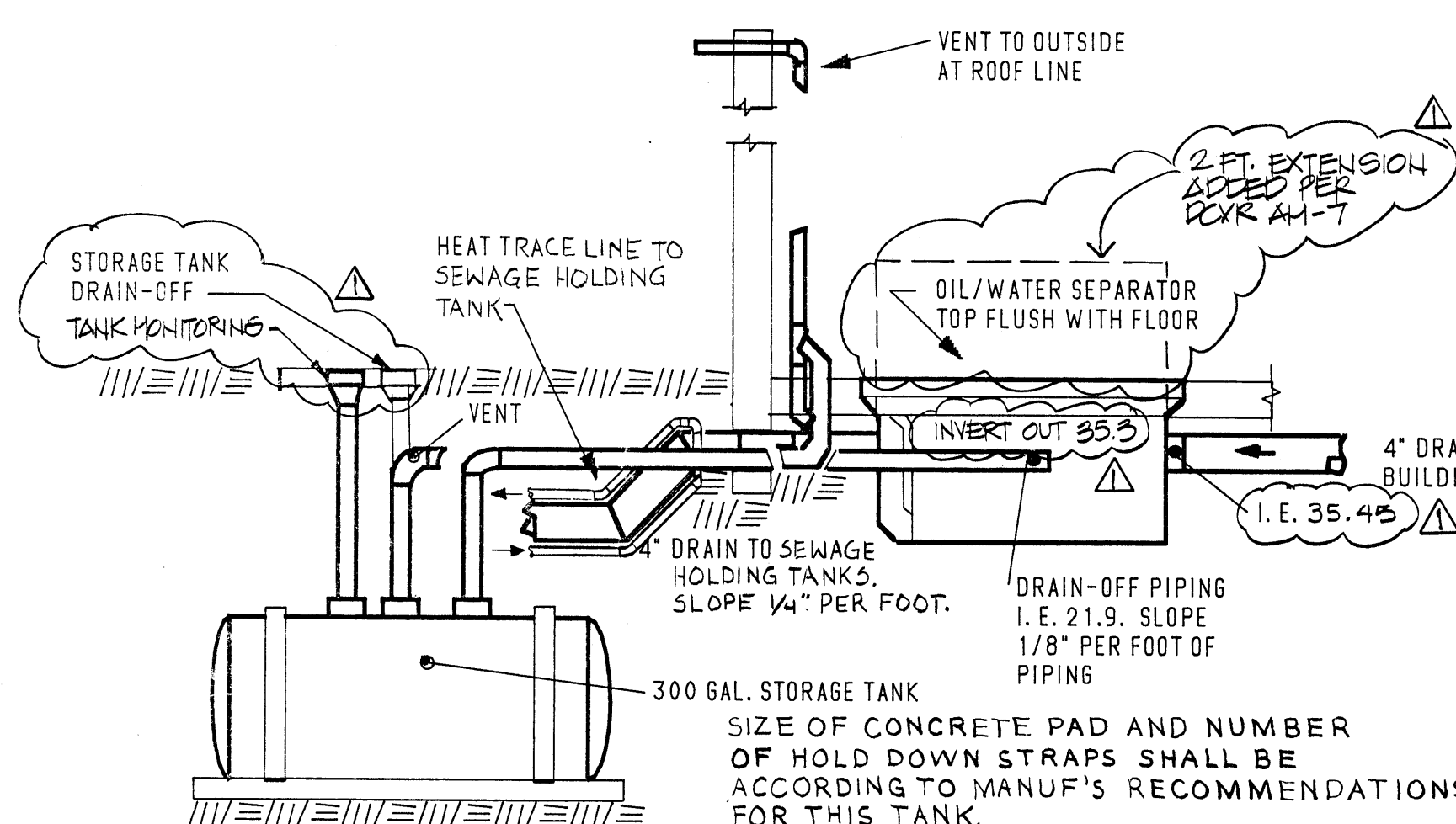


TRAP OMITTED HERE BECAUSE THIS DRAINS TO THE OWS. THE OWS PROVIDES THE TRAP. DOUBLE TRAPPING IS NOT ALLOWED PER UPC.

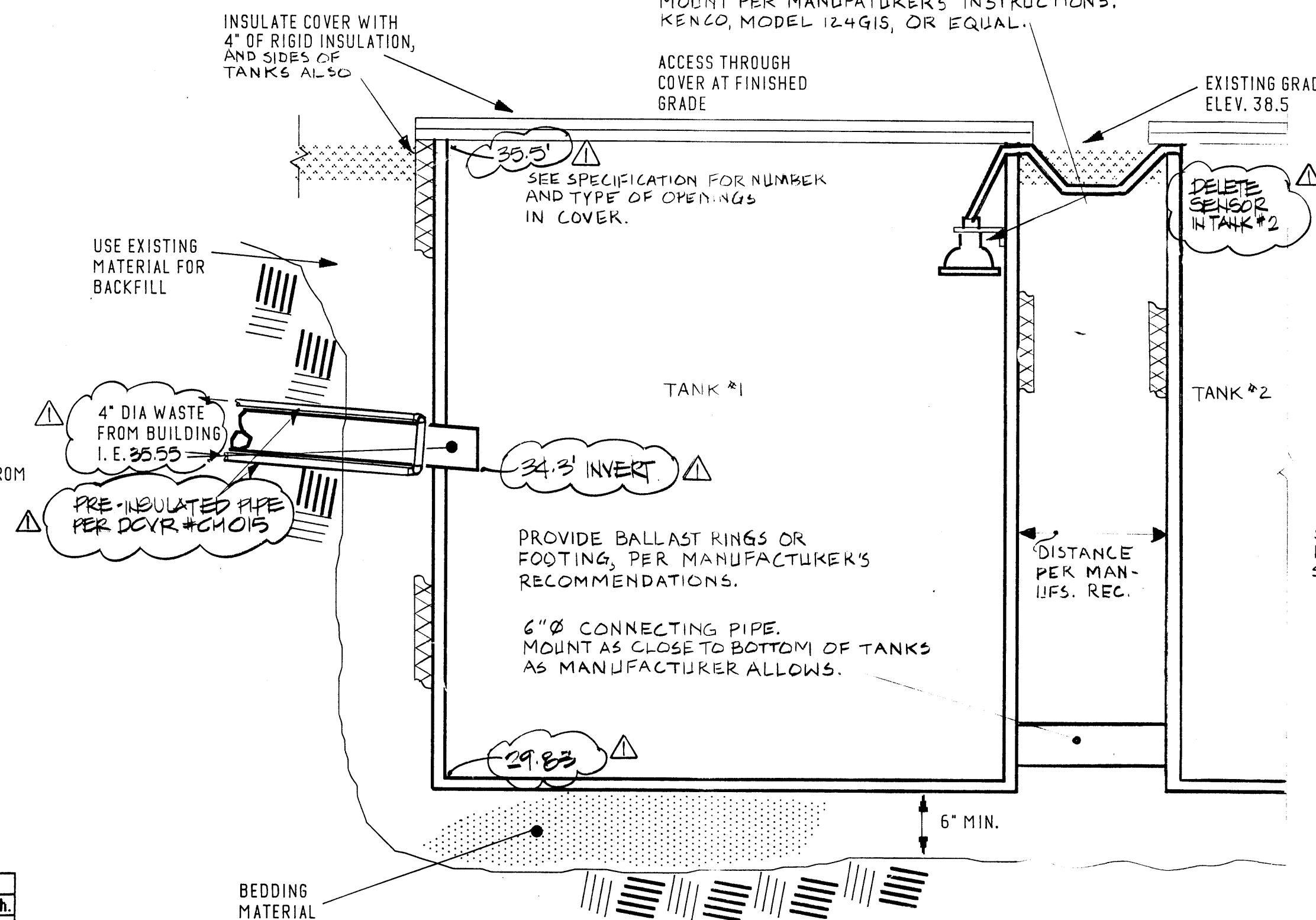
1 TRENCH DRAIN SECTION, TD-01
NTS

PLUMBING FIXTURE SCHEDULE					
ITEM NO.	DESCRIPTION	MINIMUM CONNECTION SIZES (INCH)			
		D OR W	V	CW	HW
F-1	WATER CLOSET	3	2	3/4	-
F-1A	WATER CLOSET	3	2	3/4	-
F-2	URINAL	2	2	3/4	-
F-3	LAVATORY	1-1/2	1-1/2	1/2	1/2
F-3A	LAVATORY	1-1/2	1-1/2	1/2	1/2
F-4	SHOWER	2	2	1/2	1/2
F-4A	SHOWER	2	2	1/2	1/2
F-5	FLOOR SINK	3	1-1/2	1/2	1/2
F-6	KITCHEN SINK	2	1-1/2	1/2	1/2
F-7	EMERGENCY EYE WASH/SHOWER	1-1/4	1-1/2	1-1/2	-
F-8	DRINKING FOUNTAIN	1-1/2	1-1/2	1/2	-
F-9	BATTERY ROOM SINK	2	1-1/2	1/2	1/2

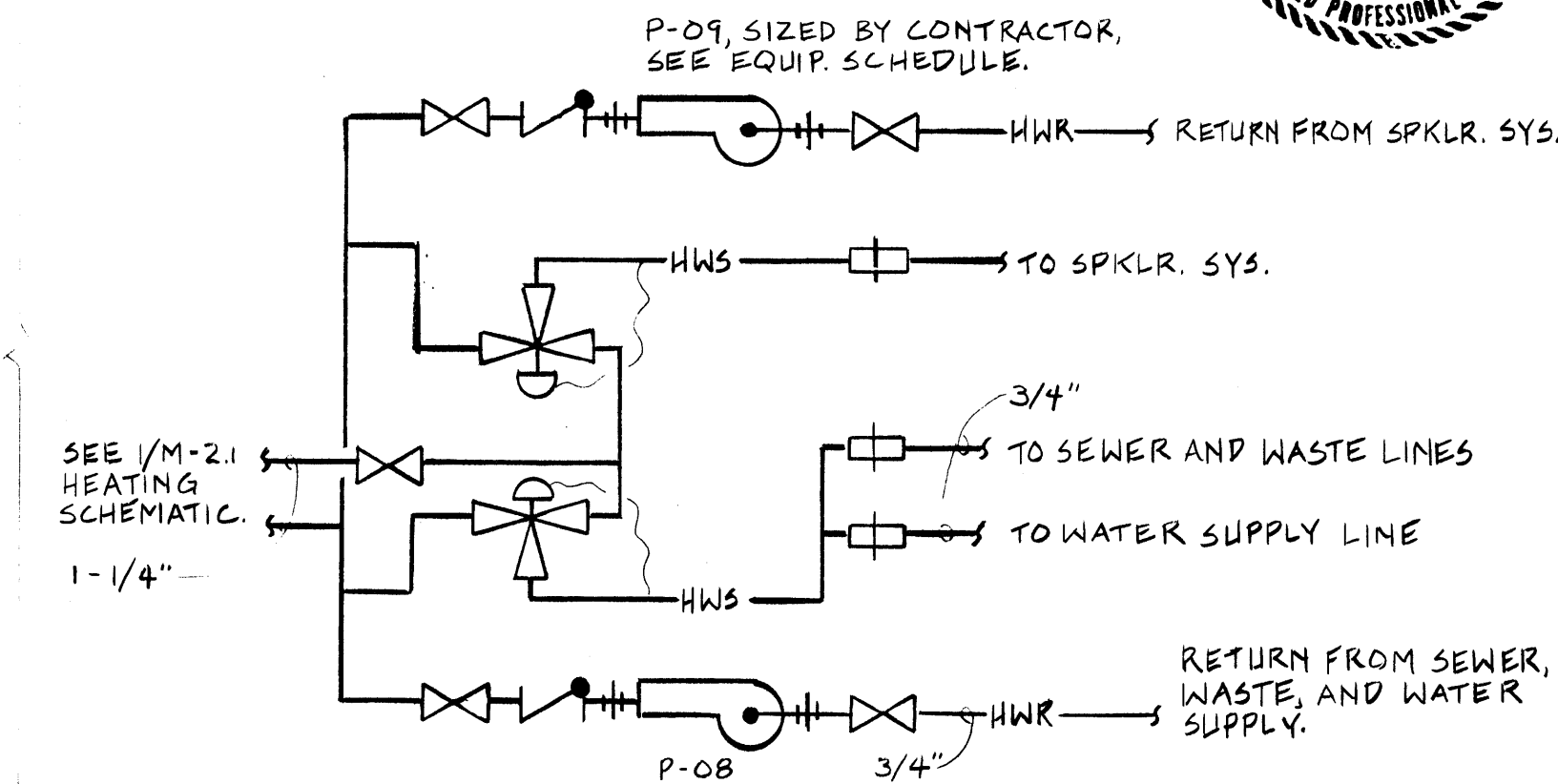
DRAIN SCHEDULE					
ITEM NO.	LOCATION, ROOM	MIN. CONNECTION SIZES (INCH)			
		D OR W	V	CW	HW
FD-01	GARAGE, 101	2	1-1/2	3/8"	-
FD-02	109, 207	2	1-1/2	3/8"	-
FD-03	104, 109, 207	2	1-1/2	3/8"	-
FD-04	108	2	1-1/2	3/8"	-
TD-01	HANGAR, 100	3	1-1/2	3/8"	-



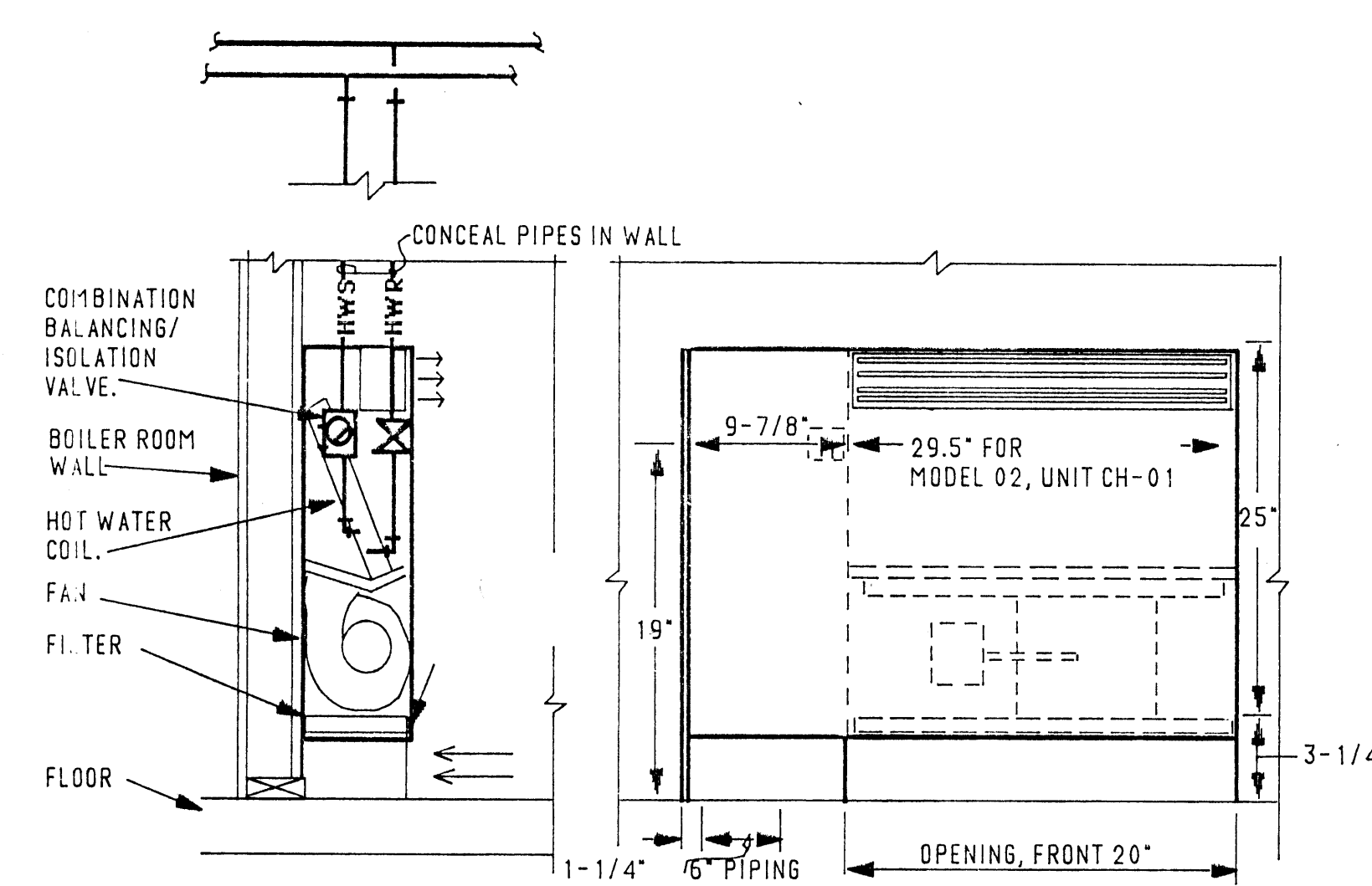
2 OIL/WATER SEPARATOR
NTS



3 SEWAGE HOLDING TANK SECTION
NTS



4 HEAT TRACING SCHEMATIC
NTS



5 CABINET HEATER
NTS

EQUIPMENT SCHEDULE									
Equipment Type	Mark	Service	Capacity	Hp	Head	Static Pres	Volts	Phase	Wt. or Lnth.
Supply Fans	SF-01	Hanger area	22000 CFM	7.5		0.5	208	3	2900#
	SF-02	Garage area	690 CFM	0.16		0.22	120	1	110#
	ERU-01	Office area	2540/1340	1.5 & 1.5		2.1/1.4	208	3	1375#
Exhaust Fans	EF-01	Hanger area	22000 CFM	5		0.25	208	3	2050#
	EF-02	Hazardous storage	300 CFM	0.16		0.27	120	1	50#
	EF-03	Garage area	690 CFM	0.16		0.1	120	1	90#
Deaerification Fans	DF-1	Hanger Area	41000 CFM max	Fract.			120	1	30#
Boilers	B-01	Central Heating	2.0 million				120	1	5710#
	B-02	Central Heating	2.0 million				120	1	
Pumps	P-01A	SF-01 Coil	202 Gpm	1.5	18		208	3	
	P-01B	SF-01 Coil	202 Gpm	1.5	18		208	3	
	P-02A	ERU-1 Coil	16 Gpm	0.16	7		115	1	
	P-02B	ERU-1 Coil	16 Gpm	0.16	7		115	1	
	P-03A	Convectors & Cabinet Heater	15 Gpm	0.33	21		115	1	60#
	P-03B	Convectors & Cabinet Heater	15 Gpm	0.33	21		115	1	60#
	P-04A	Domestic Water heater	1 Gpm	0.08	5		115	1	
	P-04B	Domestic Water heater	1 Gpm	0.08	5		115	1	
	P-05	Pressure Tank Supply	26 Gpm	1	90		208	3	
	P-06A	Unit Heaters	84 Gpm	0.5	15		115	1	83#
	P-06B	Unit Heaters	84 Gpm	0.5	15		115	1	83#
	P-07	Water Tanks Supply	25 Gpm	1	50		208	3	
Oil Water Separator	P-08	Sewer Water Heat Tracing	2.5 Gpm	Fract.	15		115	1	
	P-09	Fire System Heat Tracing	**	Fract.	**		**	**	
For garage and boiler room floor drains.			100 Gpm						
Sewage Holding Tanks			1000 gal						
Indirect Water Heater			Domestic Hot Water	327# 11.5 AT					
Air Compressor			Shop Air	50 CFM	15		208	3	1670#
Convectors	CV-01	Not Used	1100 BTU/Hr/Ft						1.5'
	CV-02	Not Used	1100 BTU/Hr/Ft						1.5'
	CV-03	Not Used	1100 BTU/Hr/Ft						2.0'
	CV-04	Not Used	1100 BTU/Hr/Ft						1.0'
	CV-05	Not Used	1100 BTU/Hr/Ft						1.0'
	CV-06	Not Used	1100 BTU/Hr/Ft						2.5'
	CV-07	Not Used	1100 BTU/Hr/Ft						2.5'
Unit Heaters	UH-1	Boiler room, Garage	20 MBH				115	1	
	UH-2	Hanger area	387 MBH				208	3	400 #
Cabinet Heater			CH-1 Corridor 107	20MBH/300CFM	0.03		115	1	
Louvers	IL-1	Hanger O/A Intake	22000 CFM			0.05			
	IL-2	Office O/A Intake	2540 CFM			0.018			
	IL-3	Garage O/A Intake	690 CFM			0.022			
	EL-1	Hanger exhaust	22000 CFM			0.09			
	EL-2	Office exhaust	1340 CFM			0.01			
	EL-3	Garage Exhaust	690 CFM			0.02			
	CAL-1	Boiler Room Combustion Air	435 CFM						
	CAL-2	Boiler Room Combustion Air	435 CFM						
Expansion Tanks	T-1	Building heating water lines	68 Gal.						
	T-2	Domestic HWH heating loop	2 Gal.						

**Sized per contractor