

TOO'GHA INC. – TANANA, ALASKA WATER TREATMENT PLANT / LAUNDRY FACILITY

DECEMBER 1999
ISSUED FOR CONSTRUCTION

AUGUST 2001 ADDENDUM NO.1 – WATER TREATMENT

In Cooperation with the State of Alaska
Department of Environmental Conservation
Village Safe Water Program

RECORD DRAWING NOTE (JULY 2003):

THE FEBRUARY 2003 RECORD DRAWING
PLAN SET WAS MODIFIED AS FOLLOWS:

SHEETS M-4, M-7, AND E-1 THROUGH E-9
WERE REVISED.

SHEET E-10 AND TEC-PRO EXHIBIT
DRAWINGS (6 SHEETS) WERE ADDED.

SHEET INDEX

No.	Title
	COVER SHEET
G-1	GENERAL NOTES & CODE ANALYSIS
G-2	TEST HOLE LOGS
C-1	SITE PLAN
C-2	SITE SECTION AND DETAILS
C-3	BUILDING FOUNDATION SECTIONS
C-4	FUEL TANK SITE PLAN AND DETAILS
C-5	WATER TANK FOUNDATION AND SECTIONS
C-6	

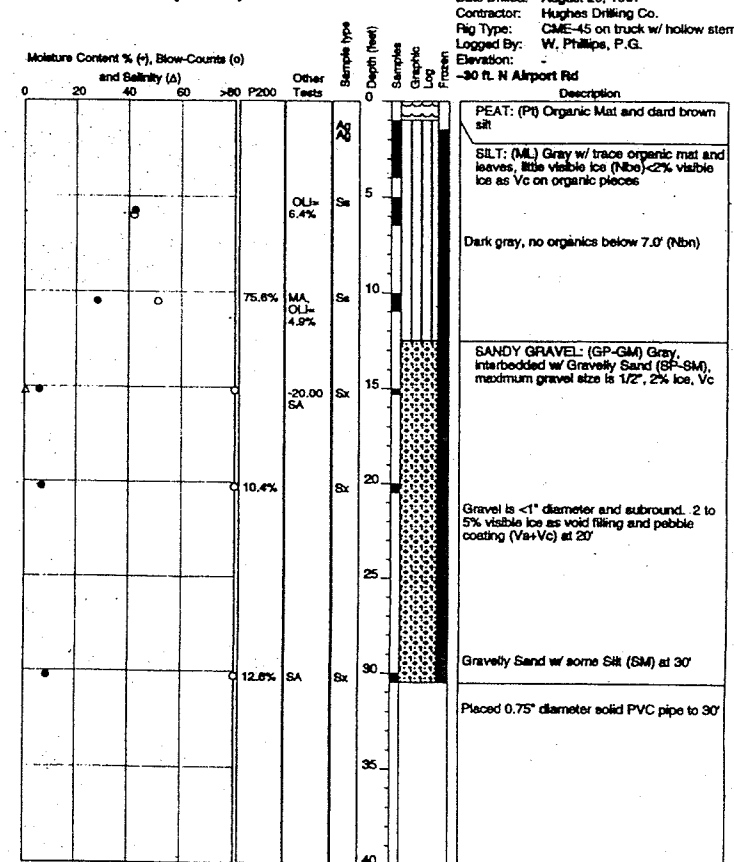
SUMMARY OF WORK

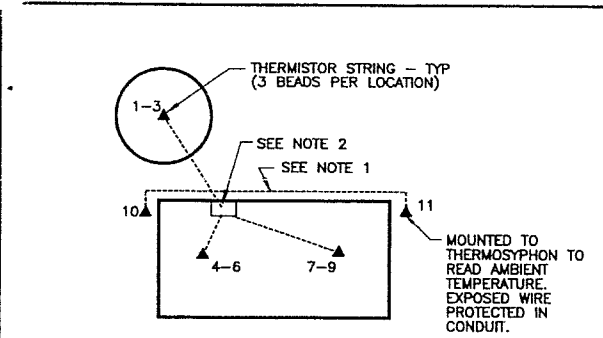
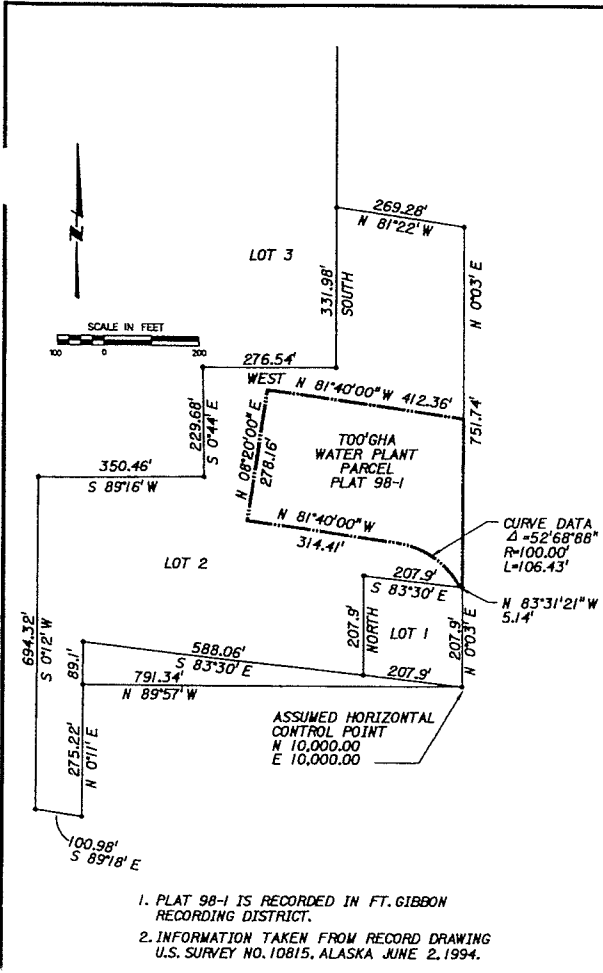
THIS PROJECT CONSISTS OF CONSTRUCTION OF A WATER TREATMENT PLANT / LAUNDRY FACILITY, AND A WATER STORAGE RESERVOIR.

GENERAL NOTES

1. MODEL NUMBERS AND MANUFACTURERS REFERENCED IN PLANS ARE USED TO ESTABLISH THE MINIMUM GRADE OF PRODUCT REQUIRED. OTHER MANUFACTURERS WILL BE ACCEPTABLE PROVIDED THEY MEET THE SAME GRADE, PERFORMANCE, AND DESIGN REQUIREMENTS AS THOSE SPECIFIED.
2. ALL WORK SHALL BE DONE IN A WORKMANLIKE MANNER AND IN CONFORMANCE WITH APPLICABLE CODES.
3. THE SURVEY FOR THIS PROJECT WAS PREPARED BY MANLEY LAND SURVEYORS, INC. DATED SEPTEMBER 1997. THE BASIS OF HORIZONTAL CONTROL IS A PAIR OF BLM MONUMENTS, LOCATED ON THE NORTHEAST AND SOUTHEAST CORNERS OF LOT 1 OF THE U.S. SURVEY NO. 10815, ALASKA JUNE 2, 1994, MARKING THE LENGTH OF 207.9 FEET AND BEARING OF N 0° 03' E. COORDINATES ARE SET TO N10,000.00, E10,000.00 AT THE SOUTHEAST CORNER MONUMENT (SEE SHEET C-1). BASIS OF VERTICAL CONTROL IS THE TBM LOCATED AT THE TOP OF SPIKE IN THE POWER POLE LOCATED NEAR THE INTERSECTION OF MILL STREET AND THIRD AVENUE TAKEN AS ELEVATION 96.56 FEET ABOVE AN ASSUMED ELEVATION.
4. RECORD DRAWINGS - THE PROJECT FOREMAN SHALL BE RESPONSIBLE FOR MAINTAINING A CLEAN SET OF DRAWINGS FOR RECORD INFORMATION AT THE PROJECT OFFICE. ALL REQUIRED INFORMATION SHALL BE RECORDED IN RED PENCIL ON A DAILY BASIS IN NEAT, LEGIBLE FASHION. THE PROJECT FOREMAN SHALL RECORD ALL INFORMATION LISTED IN PARAGRAPH VIII.B OF ADEC VSW SANITATION FACILITIES CONSTRUCTION PROJECT SUPERINTENDENT'S MANUAL DATED JULY 1998 ON THE RECORD DRAWINGS. ALL ELEVATIONS AND DISTANCES SHOWN ON THE PLANS SHALL BE MARK

TEST HOLE 1 (TH-1)

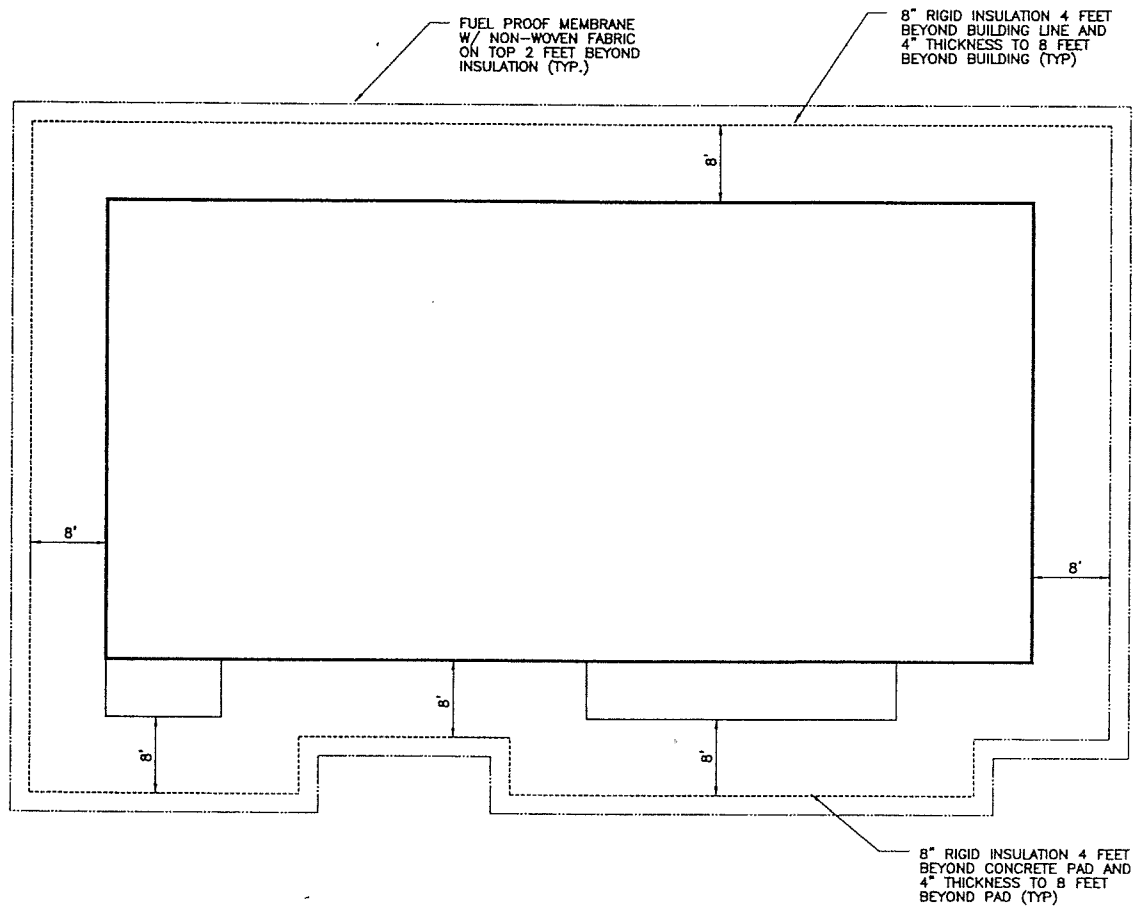




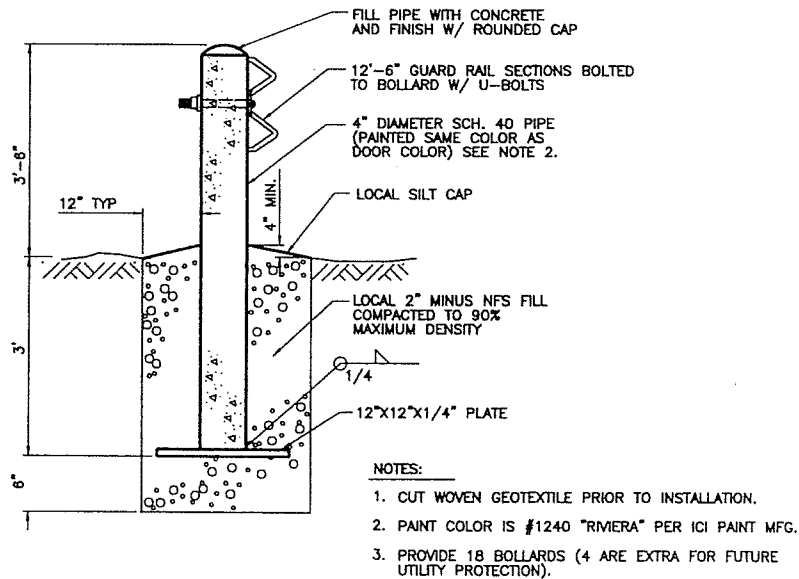
THERMISTOR STRING PLAN
NOT TO SCALE

NOTES:

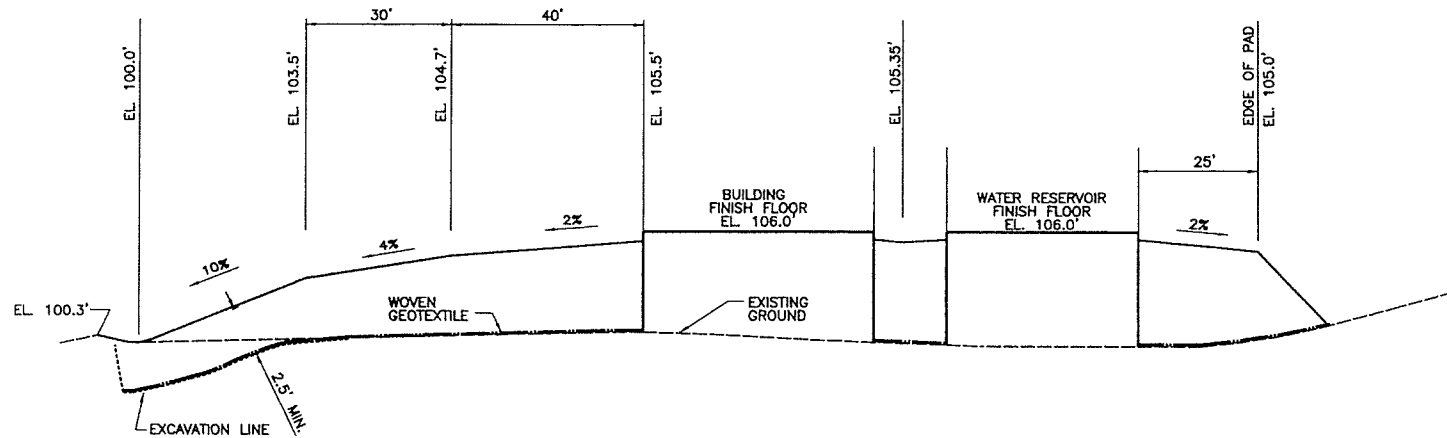
- ROUTE WIRES TO OUTSIDE OF BUILDING FOUNDATION WITHOUT PENETRATING THE FUEL PROOF MEMBRANE. ROUTE WIRES THRU CONDUIT INTO ELECTRICAL BOX INSIDE BUILDING.
- A PRECISION, FIXED RESISTOR SHALL BE INSTALLED IN THE READ



BUILDING INSULATION PLAN 1
SCALE: 1"=10' C-1

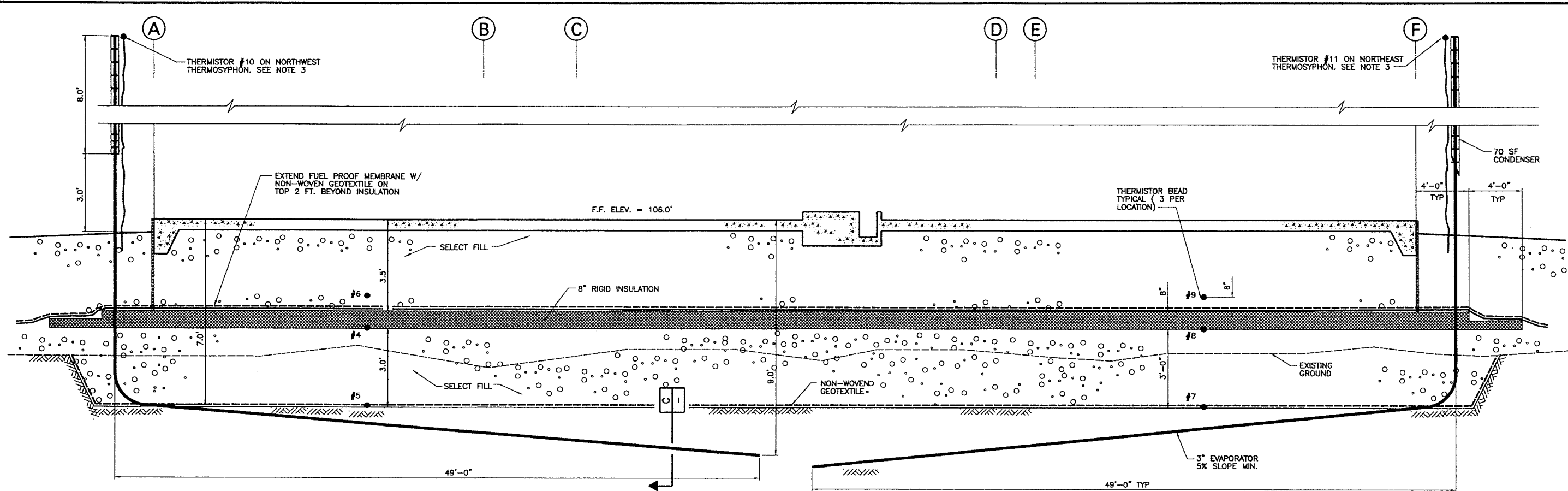


BOLLARD DETAIL 2
NOT TO SCALE C-1

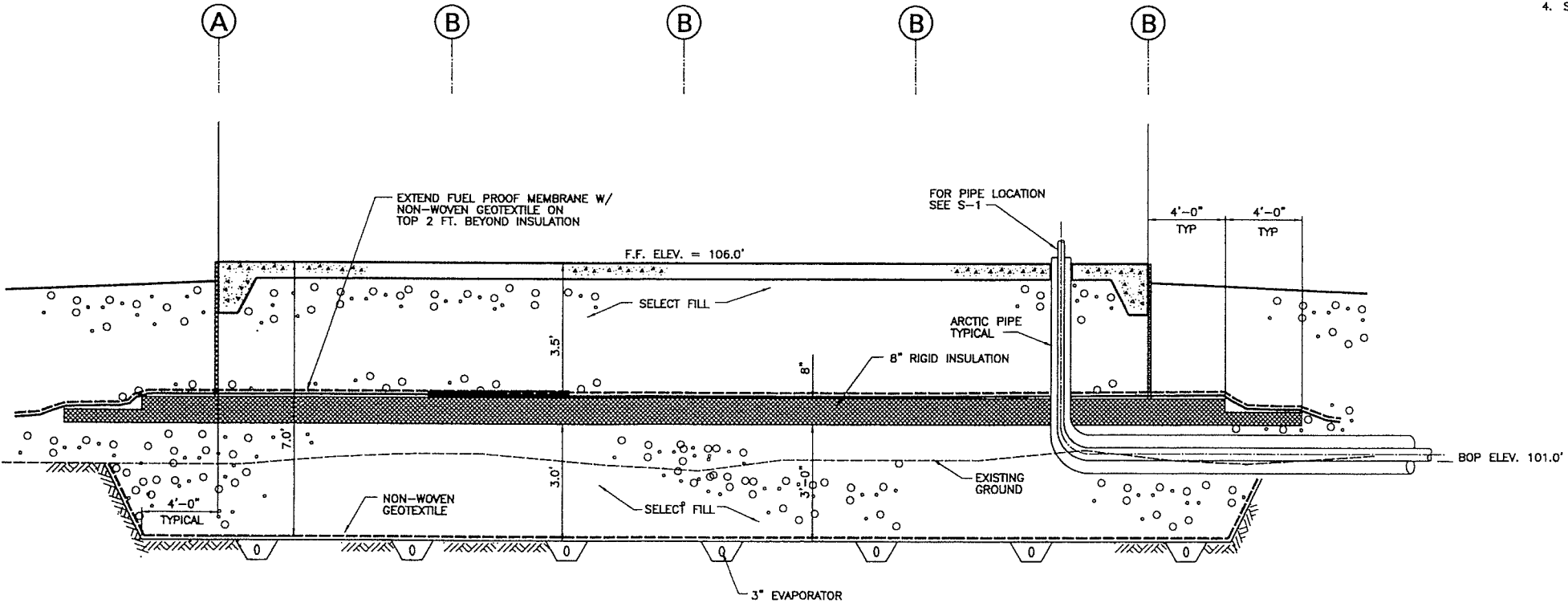


SITE CROSS SECTION A
SCALE: 1"=20' HOR. 1"=5' VERT. C-1

JOB No. 1189078.010101 T:\1189078.010101\10-FEB-2013 10:57 FILE: \\usacis-filer\server\proj\1189078.010101\10-FEB-2013 10:57\1189078.010101.dgn



BUILDING FOUNDATION SECTION
SCALE: HORZ. 1"=4'
VERT. 1"=2'

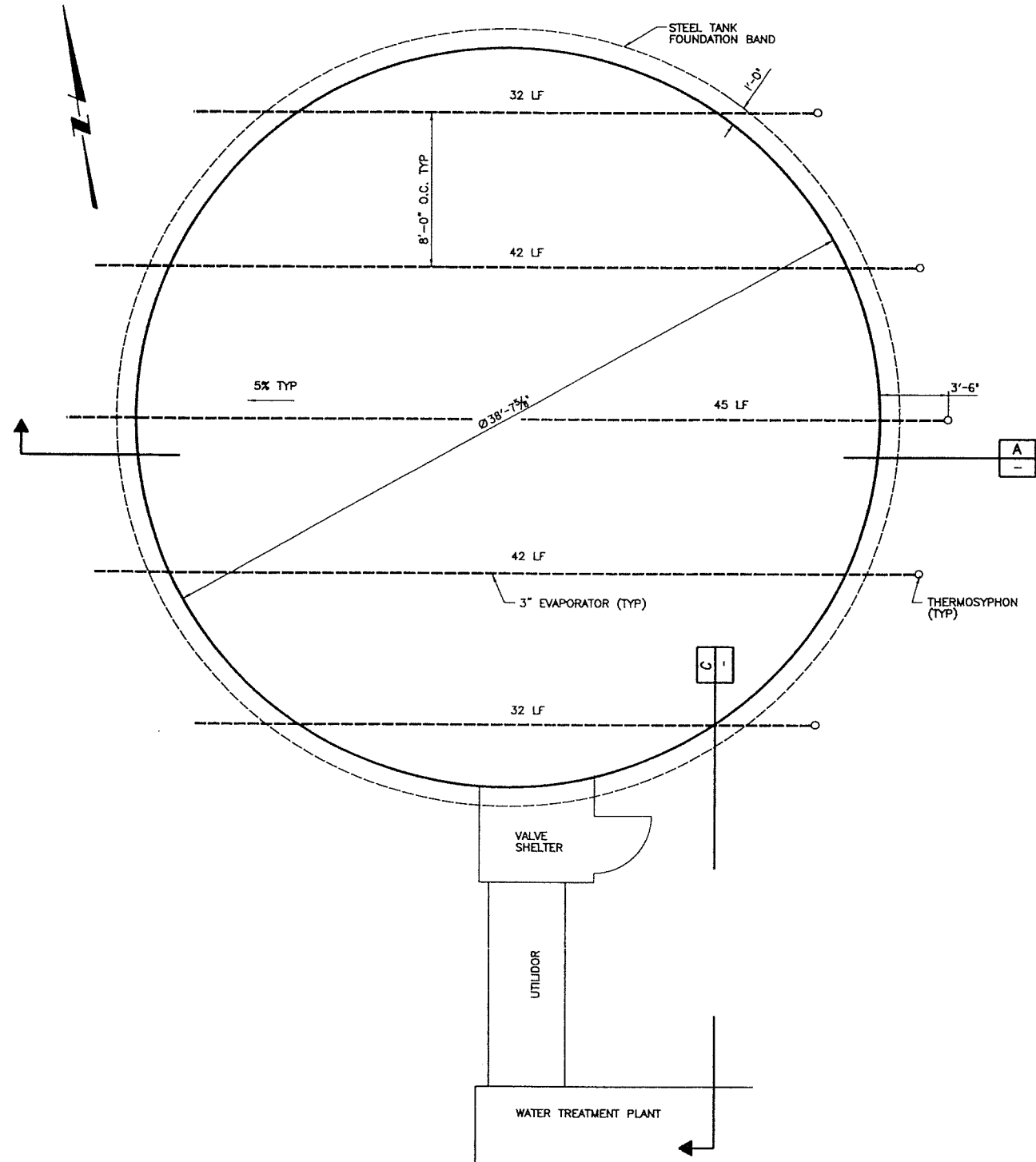


FUEL TANK NOTES

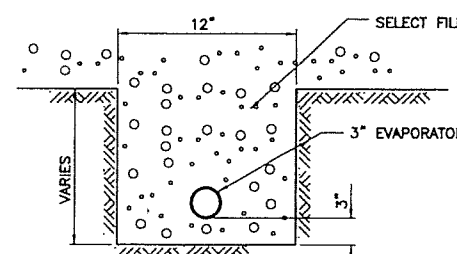
5000 GALLON TANK & ACCESSORIES
UL 142 LISTED DOUBLE WALL ABOVEGROUND HORIZONTAL TANK
MOUNTED ON SKID SUPPORTS, ACE TANK AC05000U2K4A, OR EQUAL
BOTH THE PRIMARY TANK AND THE SECONDARY TANK ARE PROVIDED
WITH NORMAL AND EMERGENCY VENTS AS REQUIRED BY UL. OPENINGS
FOR FILLING, PRODUCT REMOVAL, MONITORING, DRAINS, ACCESS AND
TANK GAUGING SHALL BE SIZED AS APPROPRIATE FOR EACH TANK. EXTERIOR
SHALL BE SAND BLASTED AND PAINTED WITH 5-7 MILS OF POLYURETHANE
ENAMEL. FINISH COLOR SHALL BE WHITE. PROVIDE 1 YEAR WARRANTY
FROM DELIVERY DATE.

ACCESSORIES FOR EACH TANK:
END MOUNTED LADDER WITH PLATFORM, COATED SAME AS TANK.
7-1/2 GAL. SPILL CONTAINER, MORRISON 518
AST OVERFILL PREVENTION VALVE, MORRISON 9095A SET TO 95%
CAPACITY
LOCKABLE FILL CAP
DROP TUBE, MORRISON 419
EMERGENCY TANK VENT, MORRISON 244
DOUBLE OUTLET VENT, MORRISON 155 WITH HEIGHT 12" ABOVE GROUND
TANK GAUGE MOUNTED IN STILL WELL, MORRISON 818
2" LOCKING NOZZLE FOR TANK GAUGING
GAUGING ROD, GATZPINE

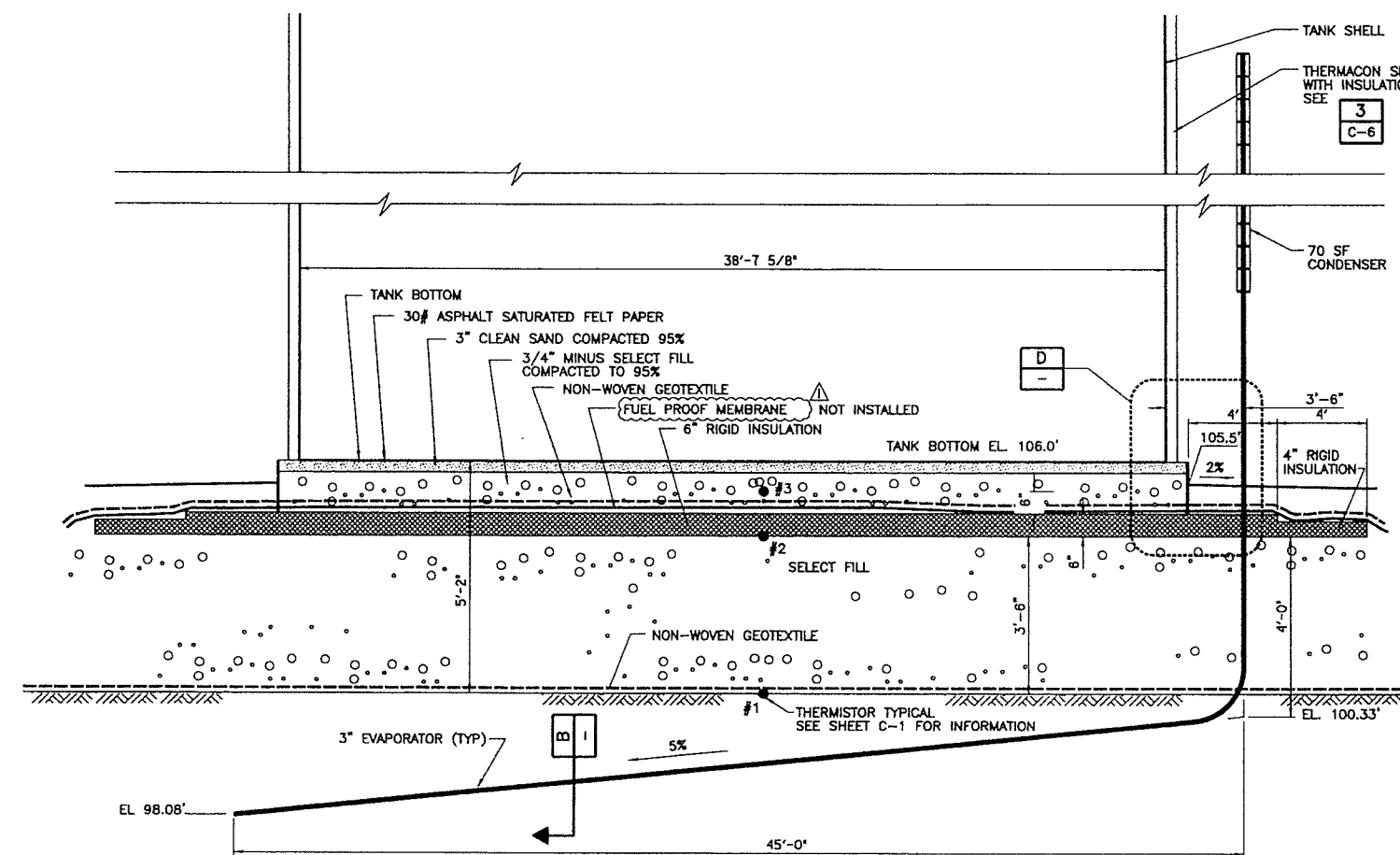
FUEL TANK SITE PLAN
SCALE: 1"=10'

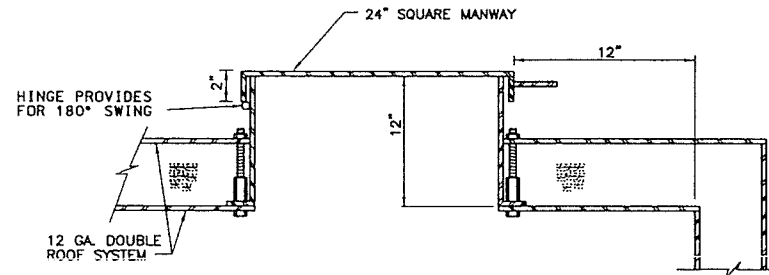
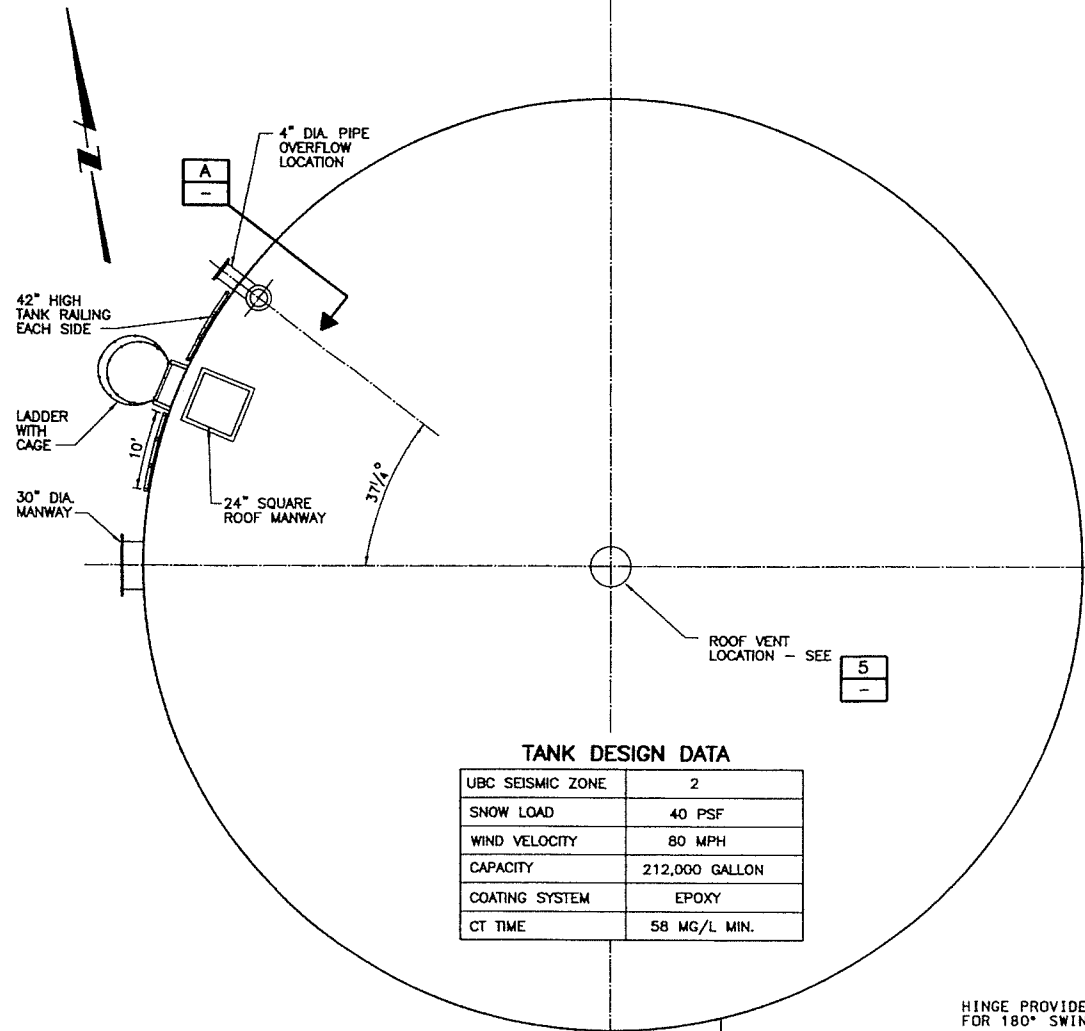


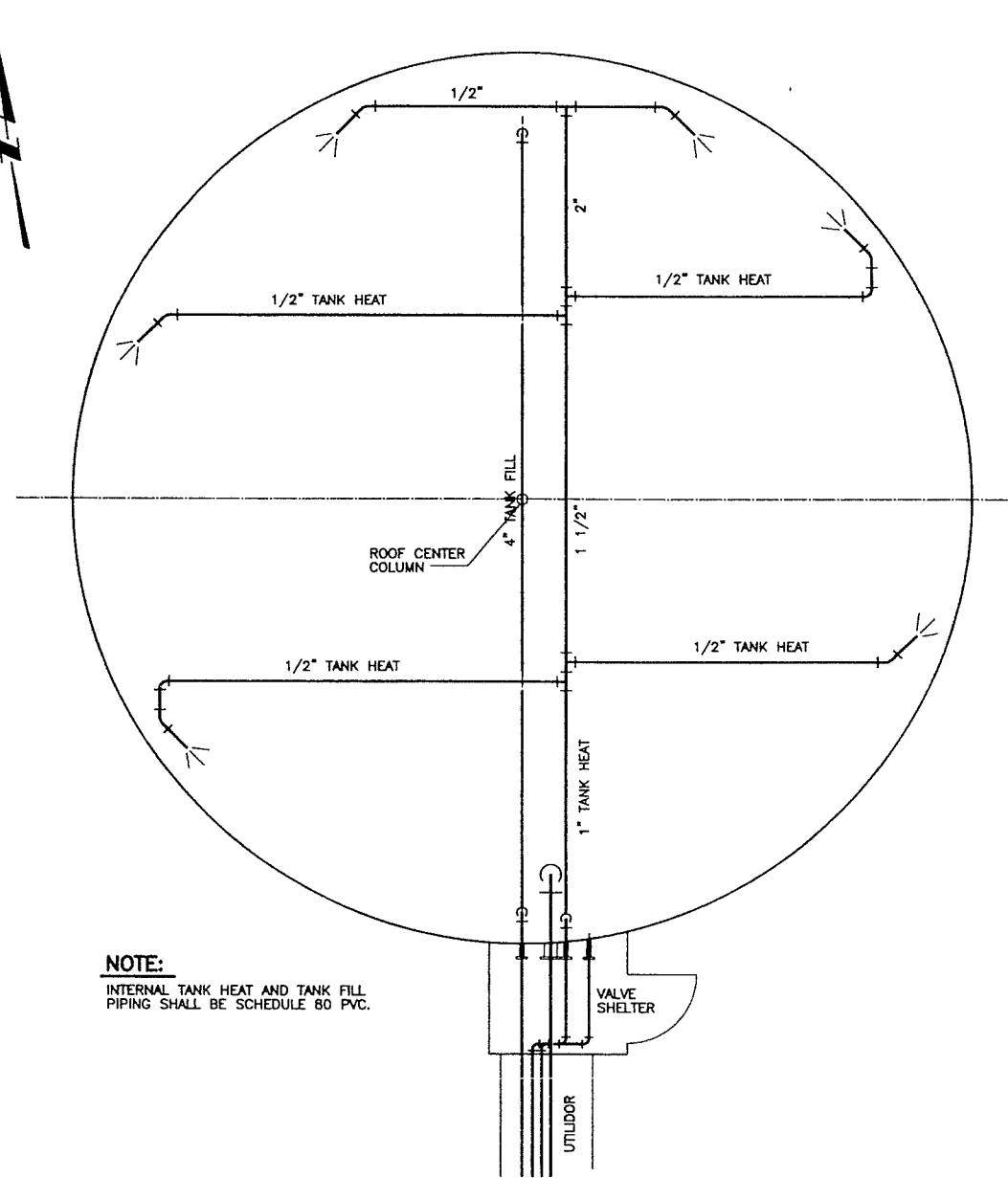
WATER TANK FOUNDATION PLAN 1
SCALE: 1/4"=1'-0"



THERMOSYPHON EVAPORATOR TRENCH B
NOT TO SCALE

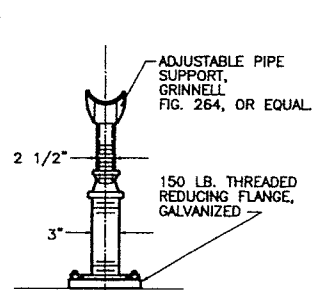




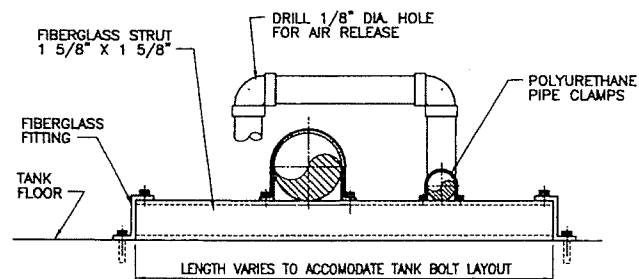


NOTE:
INTERNAL TANK HEAT AND TANK FILL
PIPING SHALL BE SCHEDULE 80 PVC.

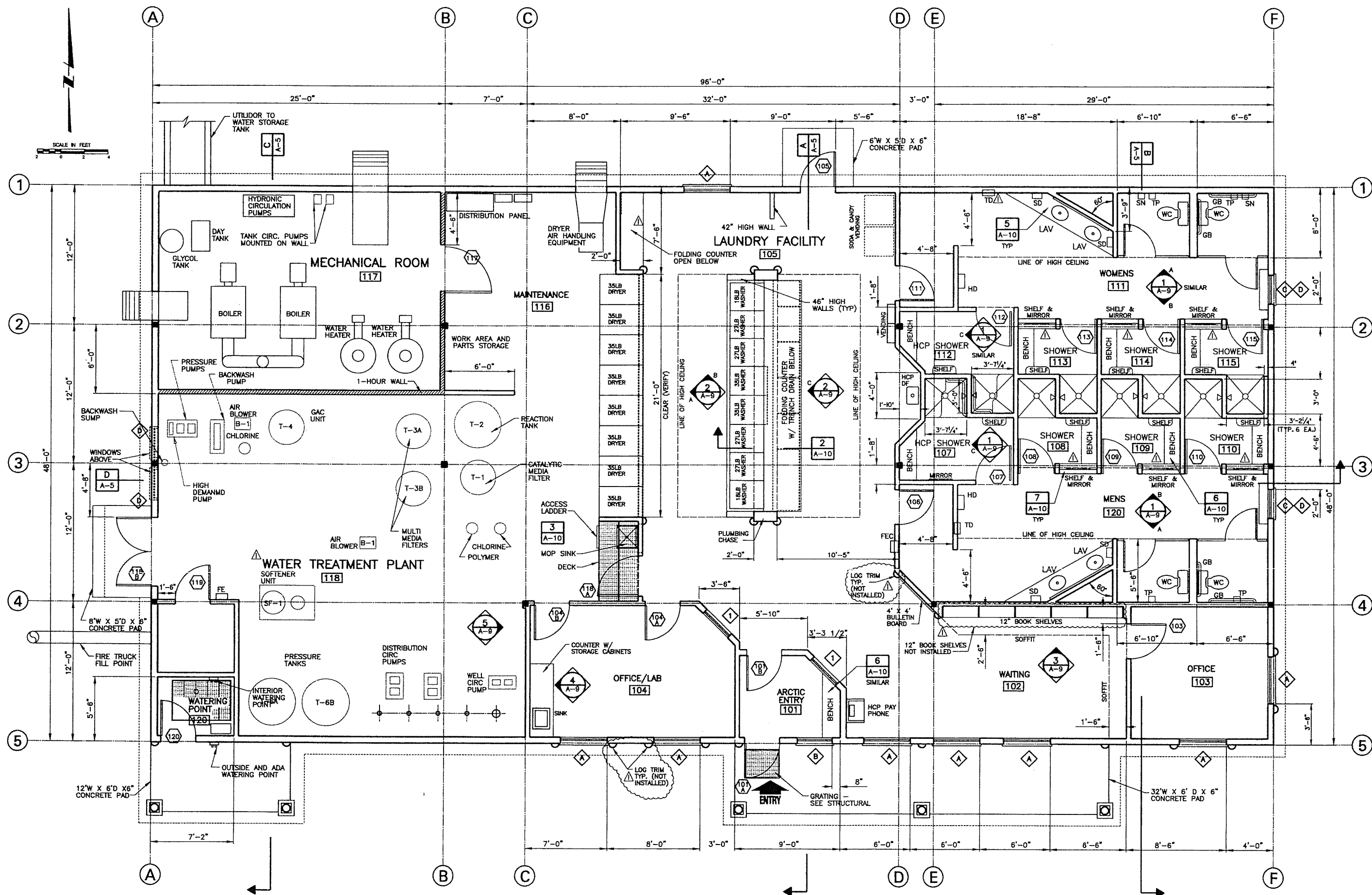
WATER TANK PIPING PLAN
SCALE: 1/4"=1'-0"



ADJUSTABLE PIPE SUPPORT
NOT TO SCALE

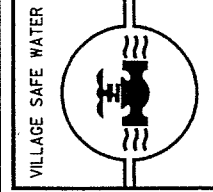
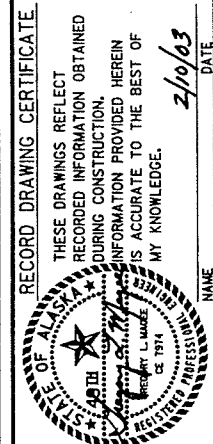


NOTES:
1. SUPPORT PIPES 5' O.C. MAX.
2. STRUT SYSTEM BY

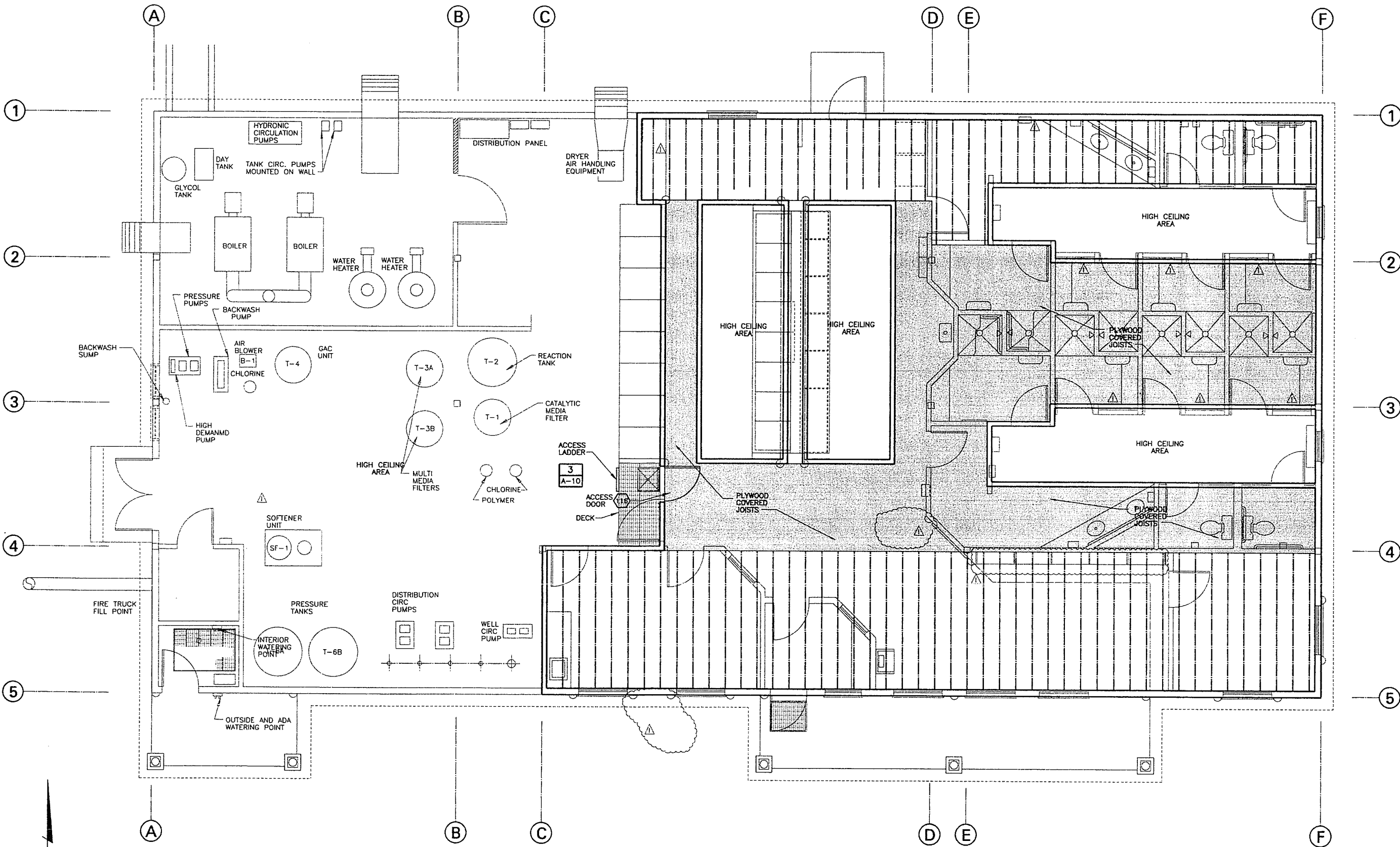


FLOOR PLAN
SCALE: 1/4"=1'-0"

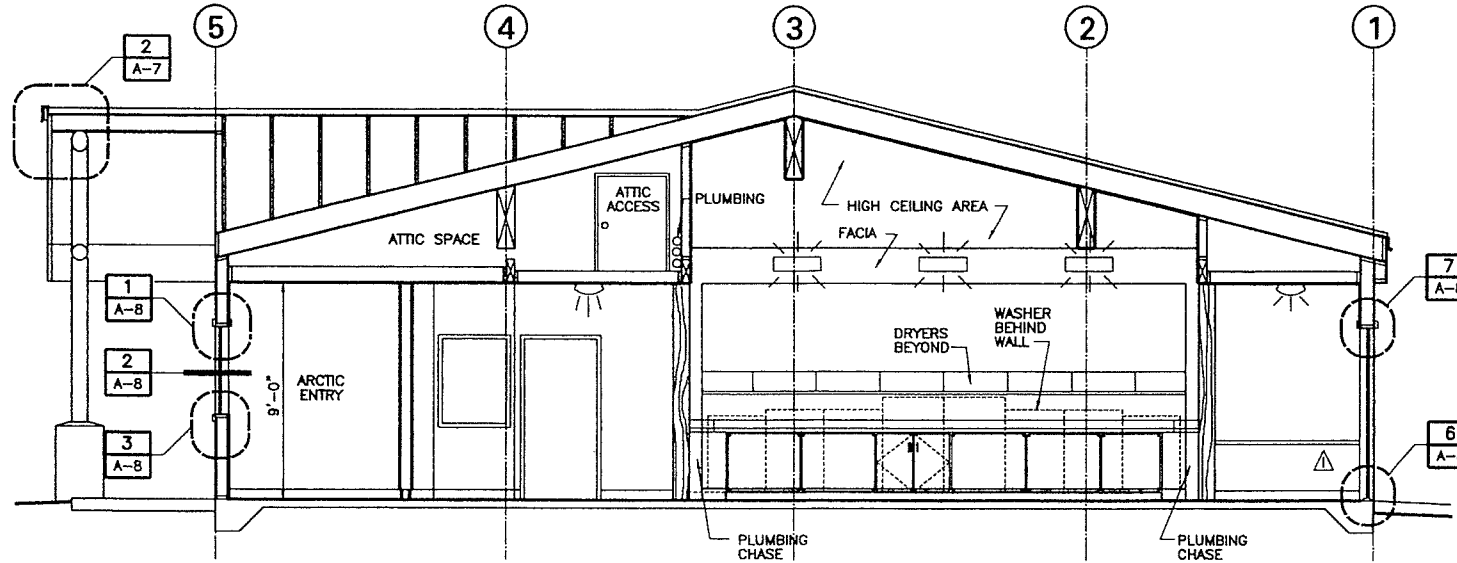
NOTES:
SEE SHEET G-1



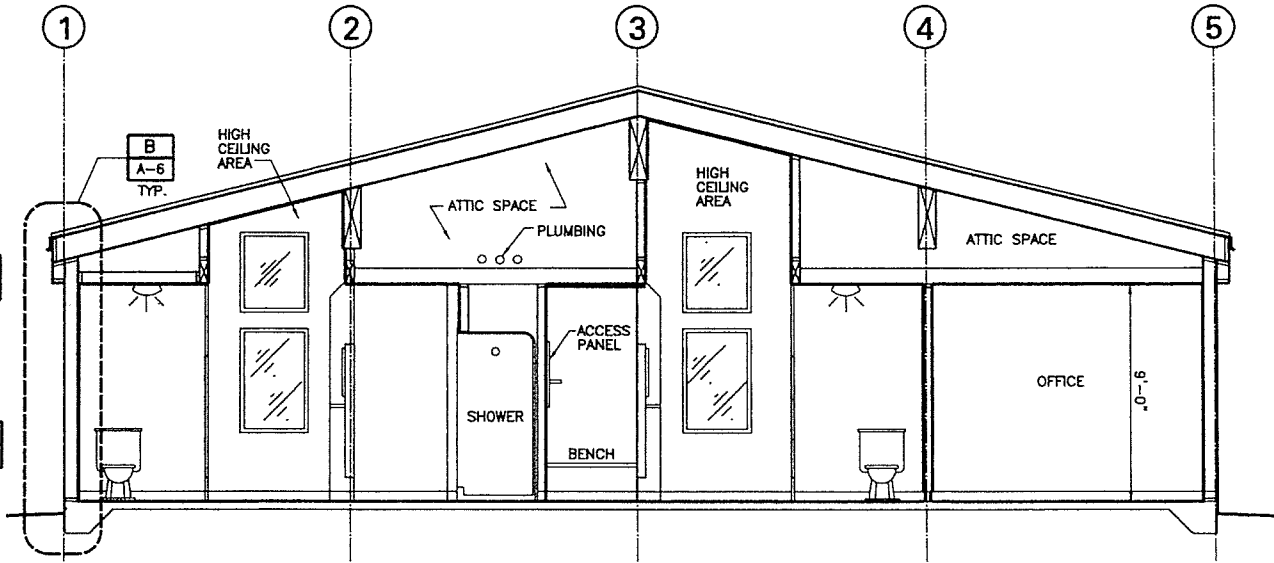
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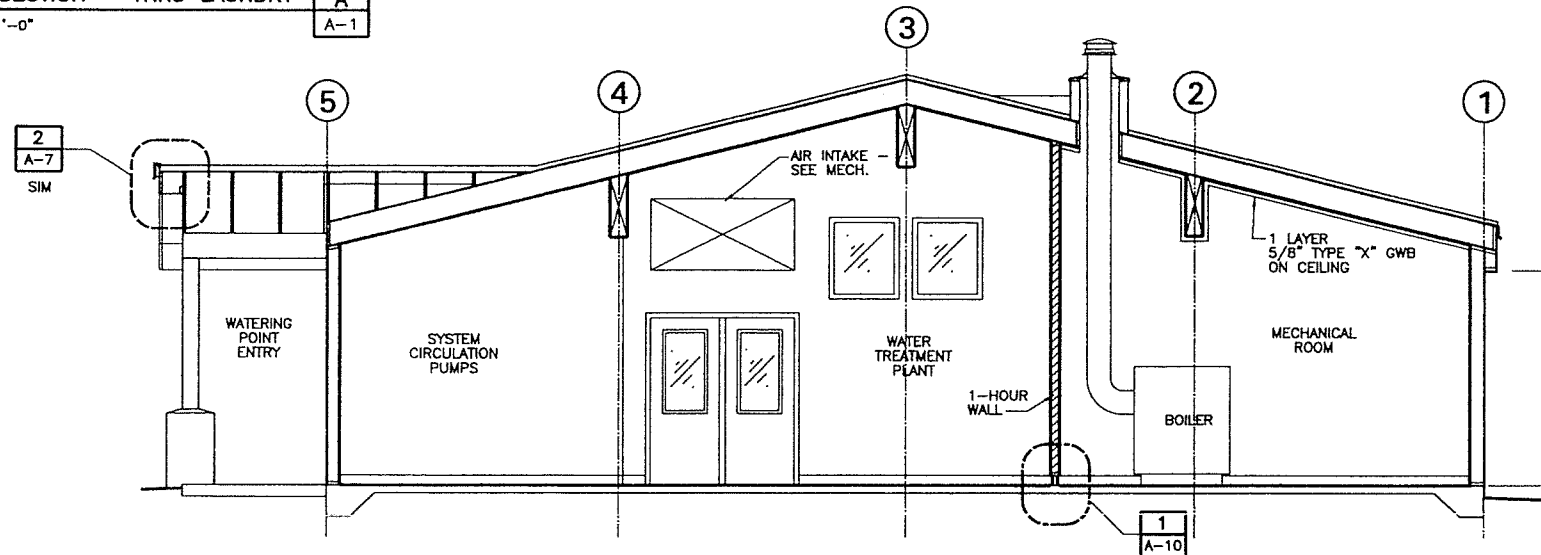
FINISH SCHEDULE																	
ROOM NUMBER	ROOM NAME	FLOOR				BASE		WALLS		CASEWORK			CEILINGS			HEIGHT	ROOM NUMBER
		WALK-OFF MAT	EPOXY FLOORING	REMARKS	EPOXY FLOORING	REMARKS	POLYESTER COATING	FRP/GWB	REMARKS	COUNTER TOPS	CABINETS	MIRROR SHELVES	REMARKS	G.W.B. /PAINT	EXP. STRUCTURE	FRP/GWB	REMARKS
101																	



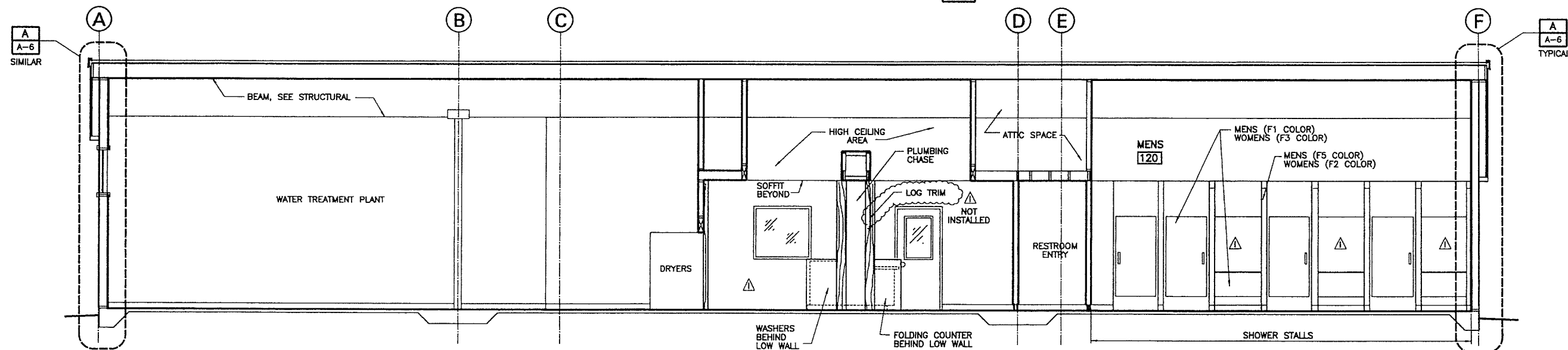
BUILDING SECTION - THRU LAUNDRY A
SCALE: 1/4"=1'-0" A-1



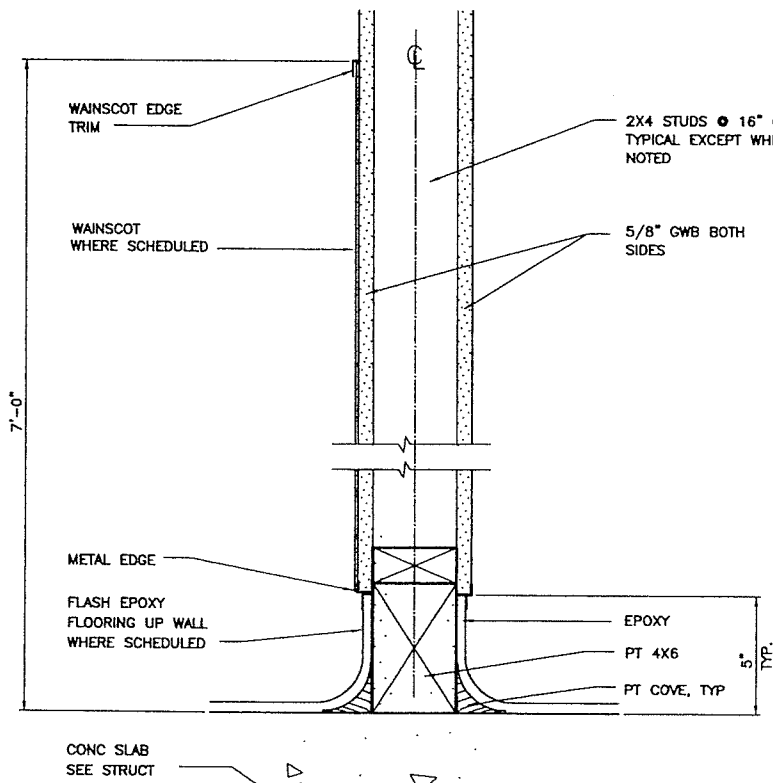
BUILDING SECTION - THRU RESTROOMS B
SCALE: 1/4"=1'-0" A-1



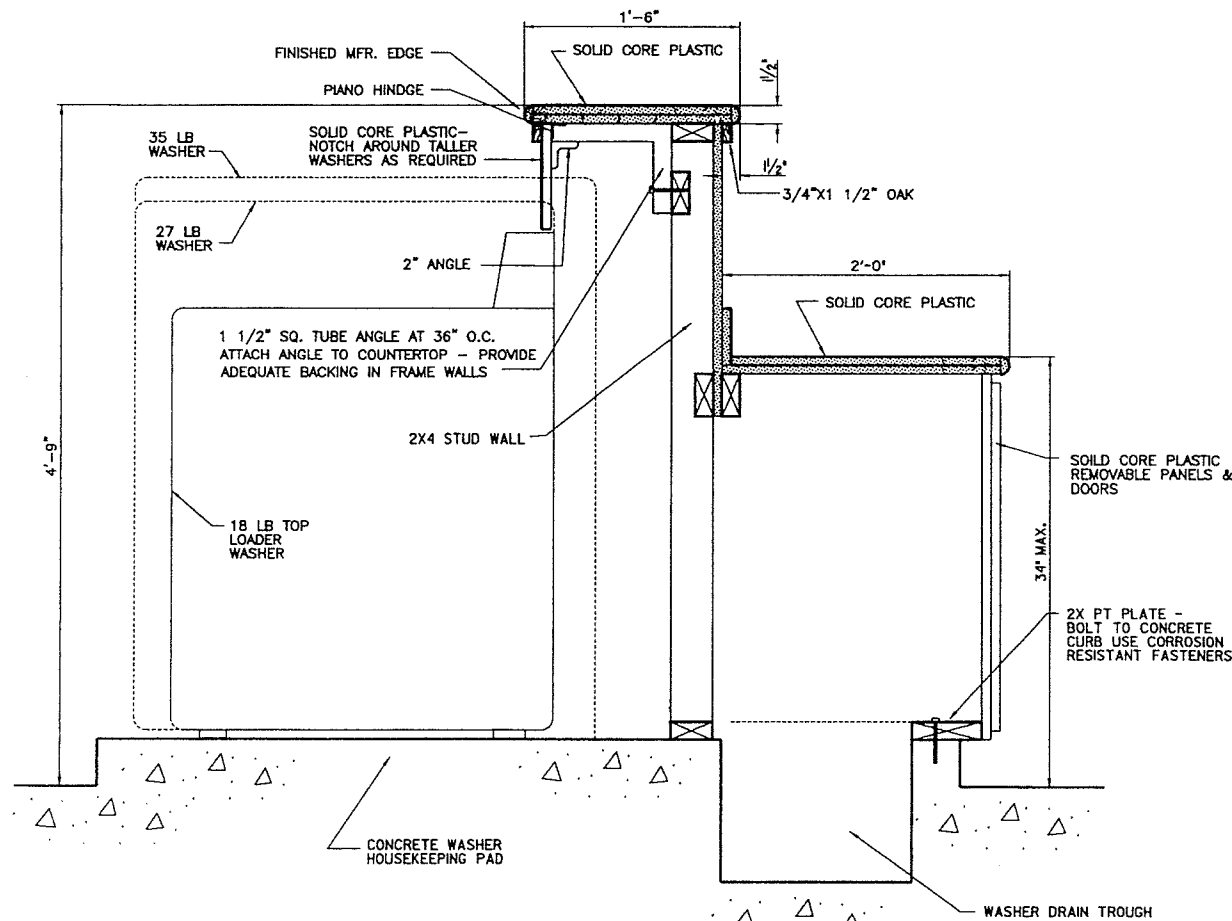
BUILDING SECTION - THRU WATER TREATMENT PLANT C
SCALE: 1/4"=1'-0" A-1



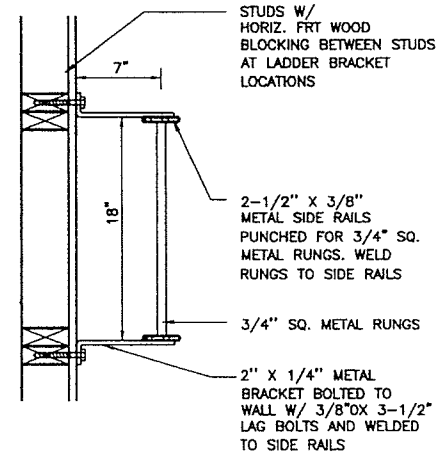
BUILDING SECTION - E/W

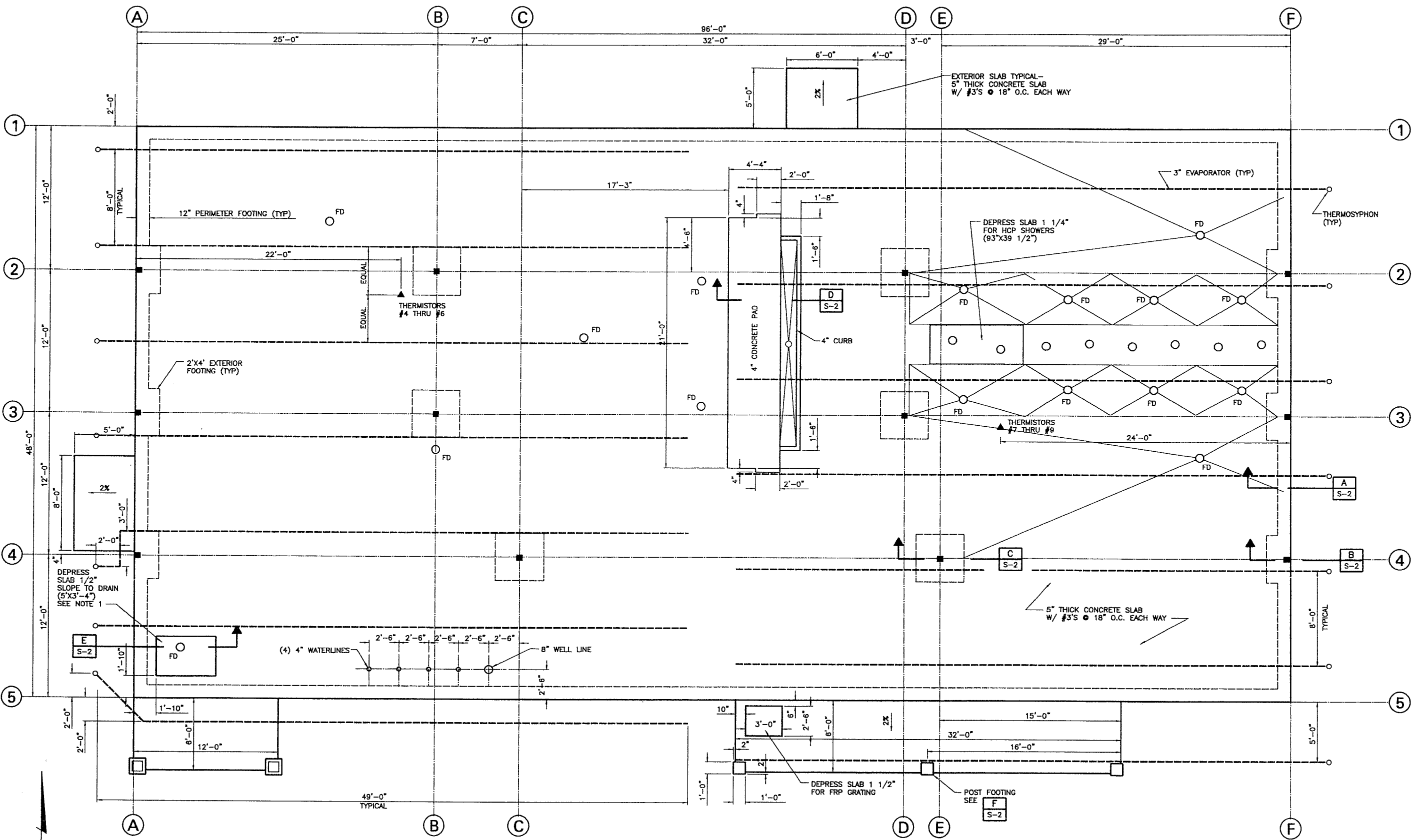


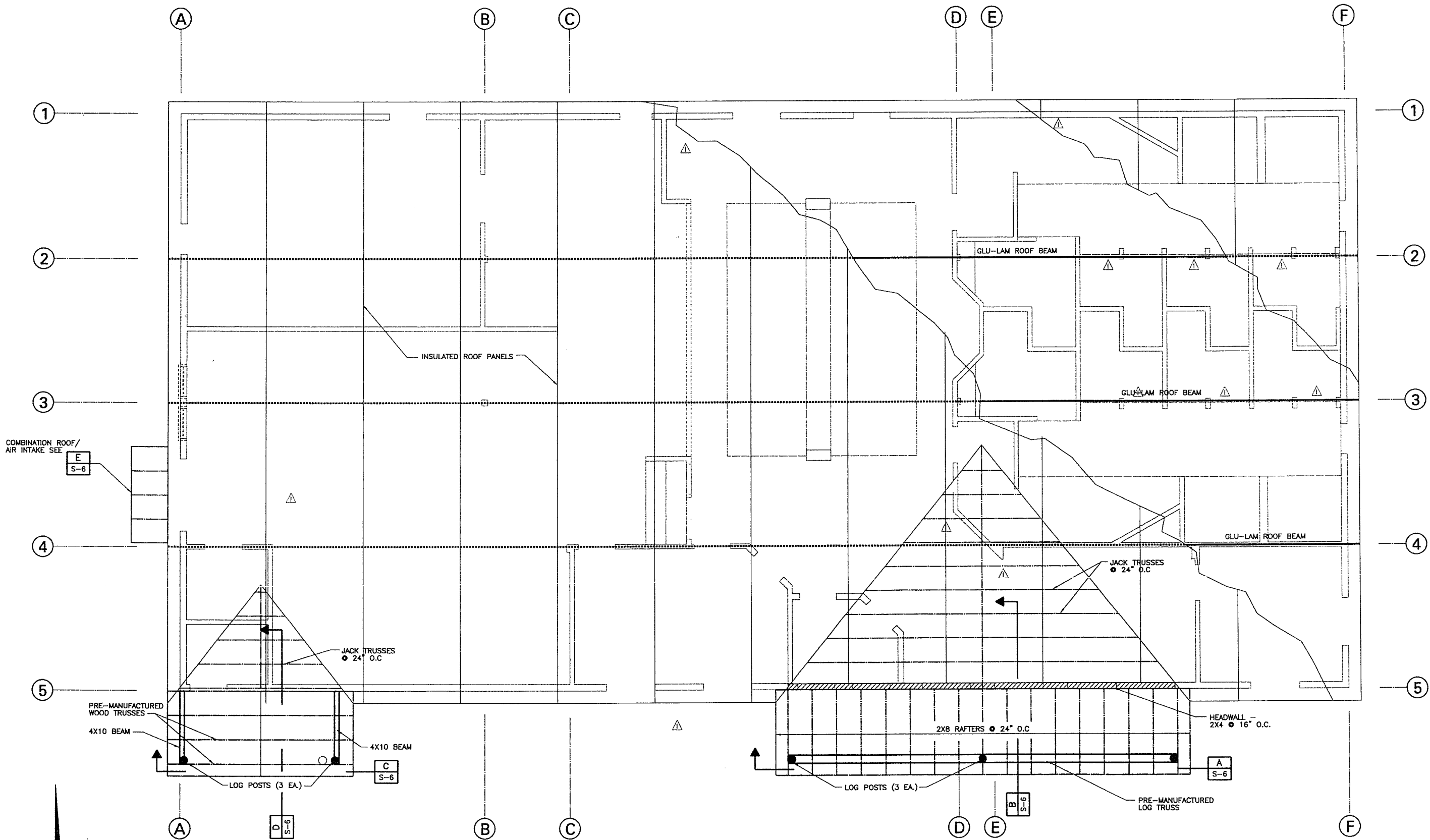
INTERIOR WALL DETAIL
SCALE: 3/4"=1'-0"



WASHER/COUNTER SECTION
SCALE: 1 1/2"=1'-0"



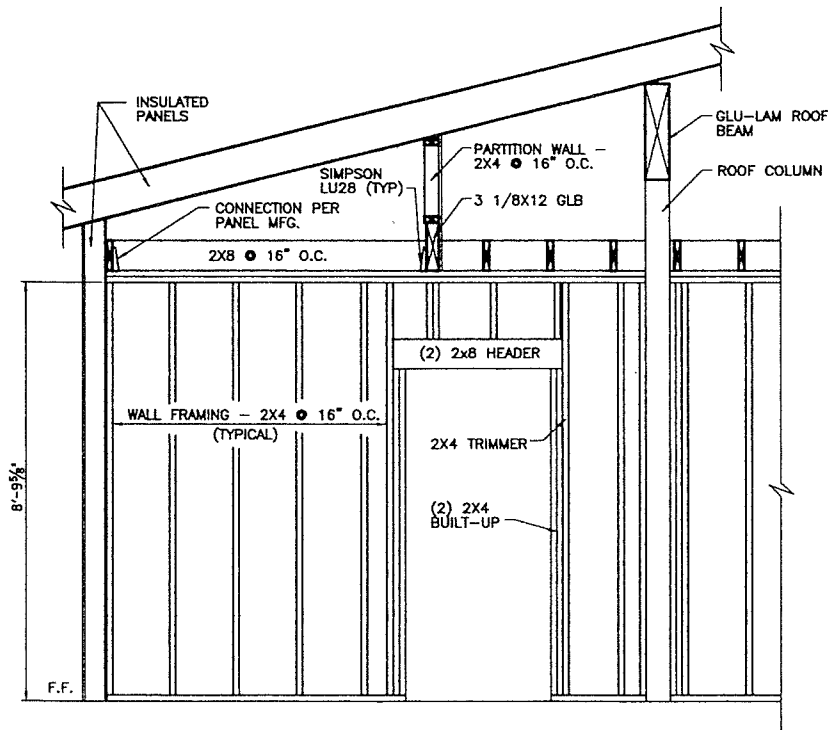




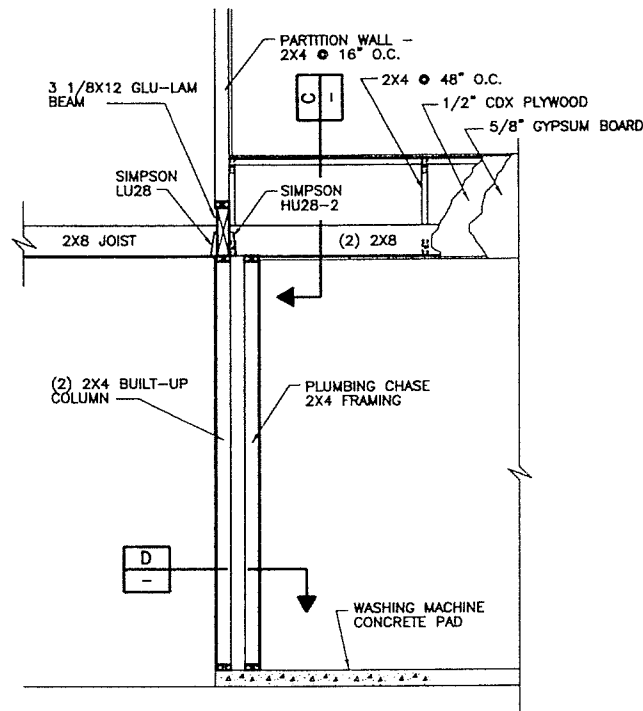
ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"

NOTE:
DRAWING TO SHOW INTENT OF ROOF FRAMING TO BUILDING MANUFACTURER.
REFER TO WINCE, CORTHELL, BRYSON DRAWINGS FOR STRUCTURAL DESIGN.

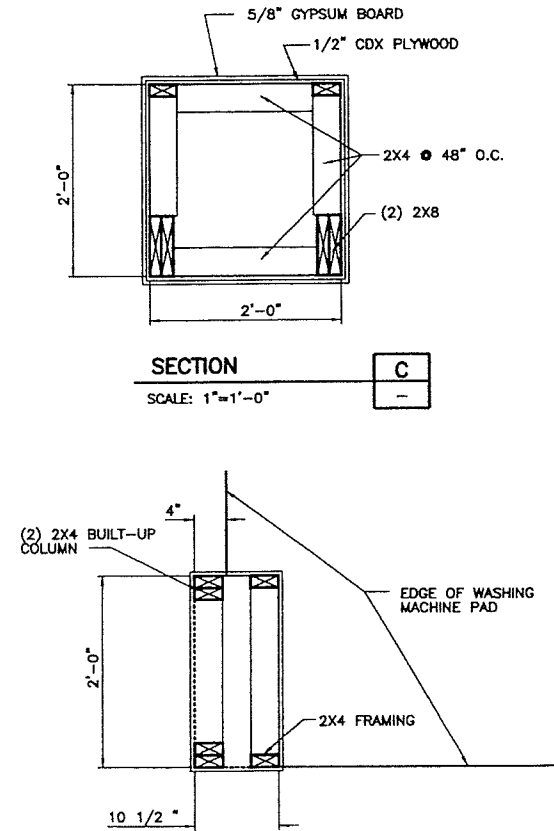
RECORD DRAWING CERTIFICATE	
THESE DRAWINGS REFLECT RECORDED INFORMATION OBTAINED DURING CONSTRUCTION. INFORMATION PROVIDED HEREIN IS ACCURATE TO THE BEST OF MY KNOWLEDGE.	
STATE OF ALASKA REGISTER	



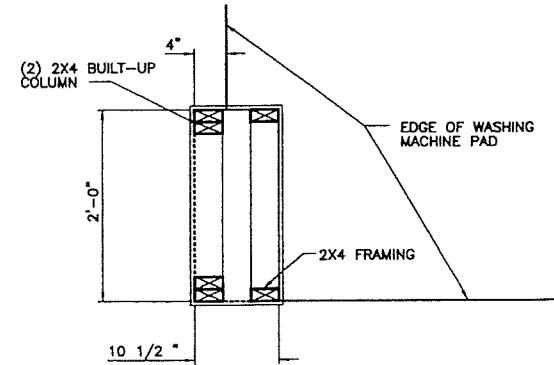
SECTION - AT RESTROOM DOOR **A**
SCALE: 1/2"=1'-0" **S-3**

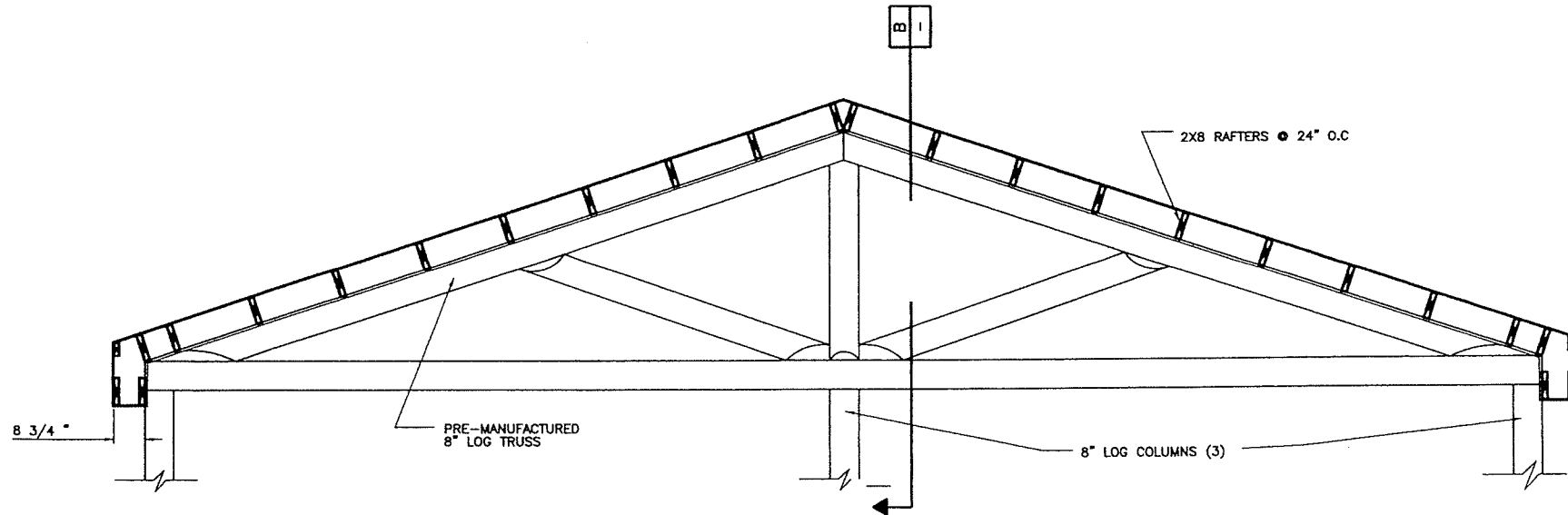


SECTION - AT PLUMBING CHASE **B**
SCALE: 1/2"=1'-0" **S-3**

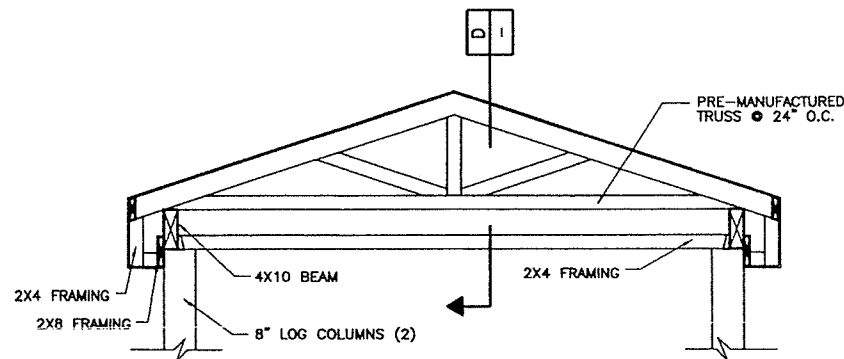


SECTION **C**
SCALE: 1"=1'-0"

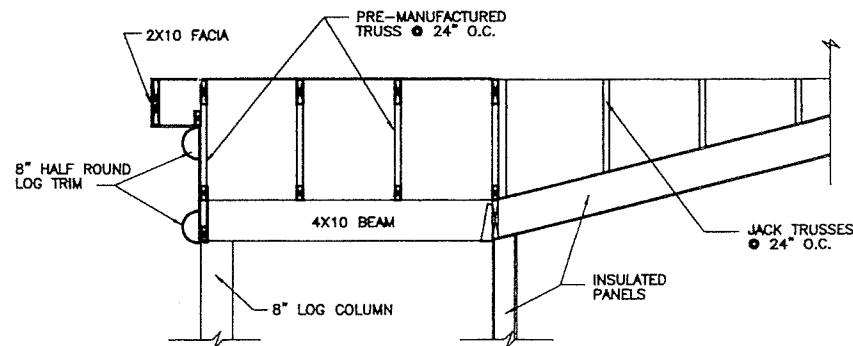




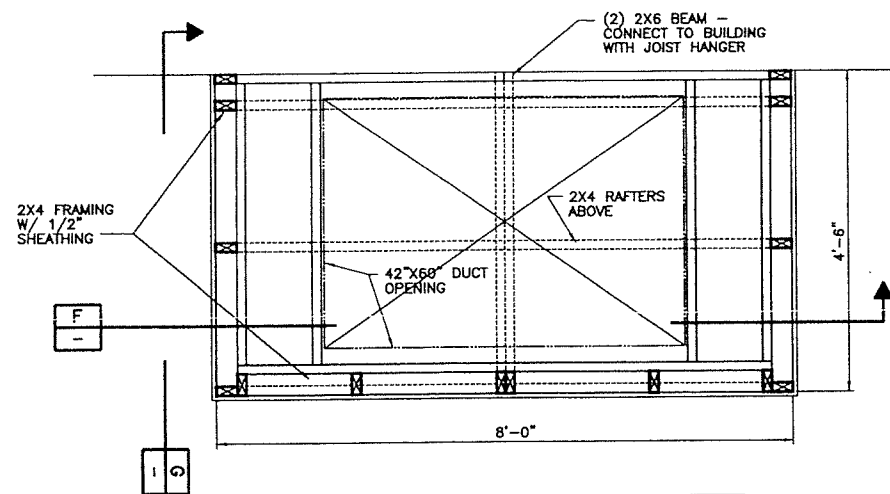
SECTION - AT LOG TRUSS **A**
SCALE: 1/2"=1'-0" **S-4**

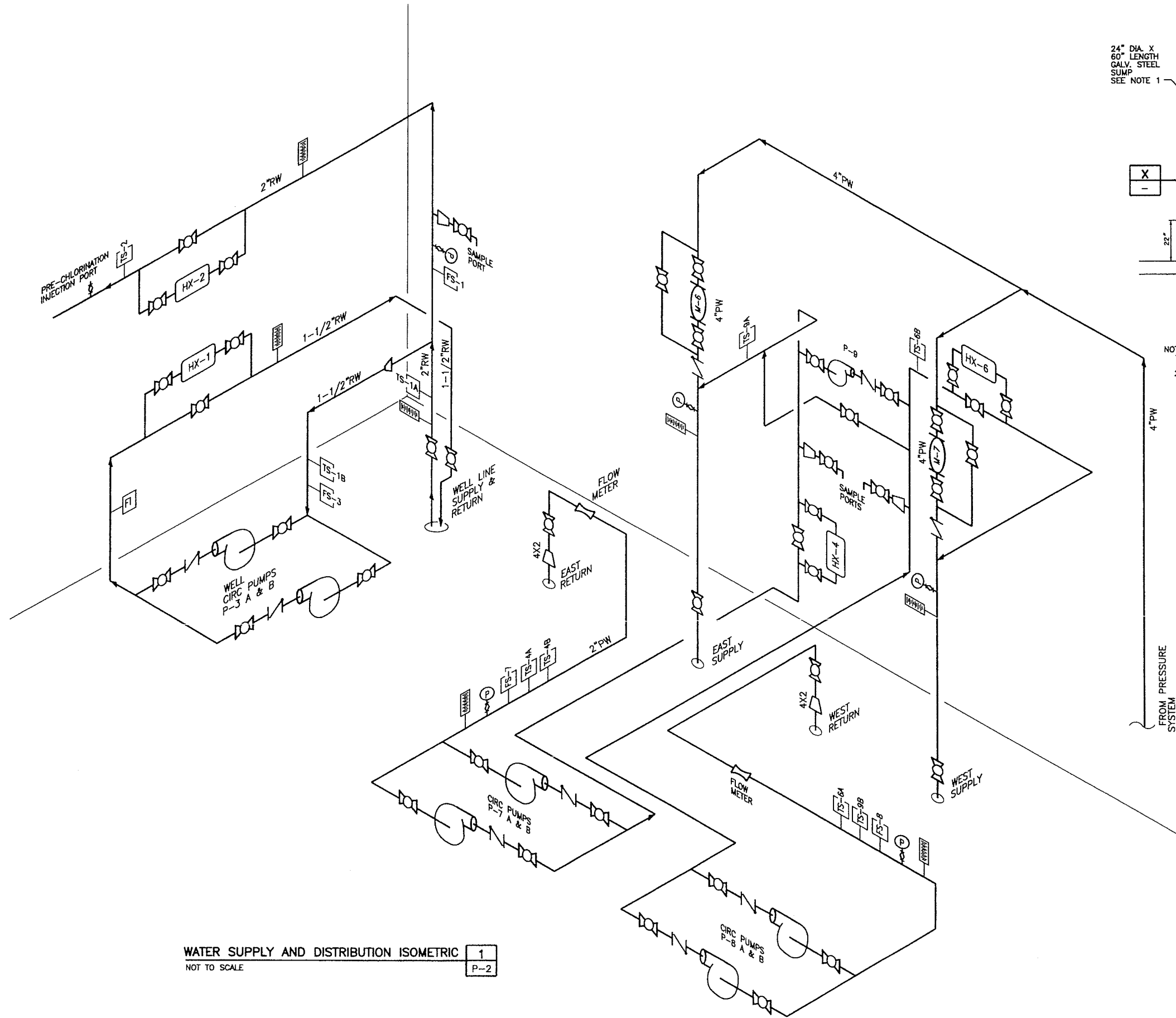


SECTION - AT WATERING POINT **C**
SCALE: 1/2"=1'-0" **S-4**

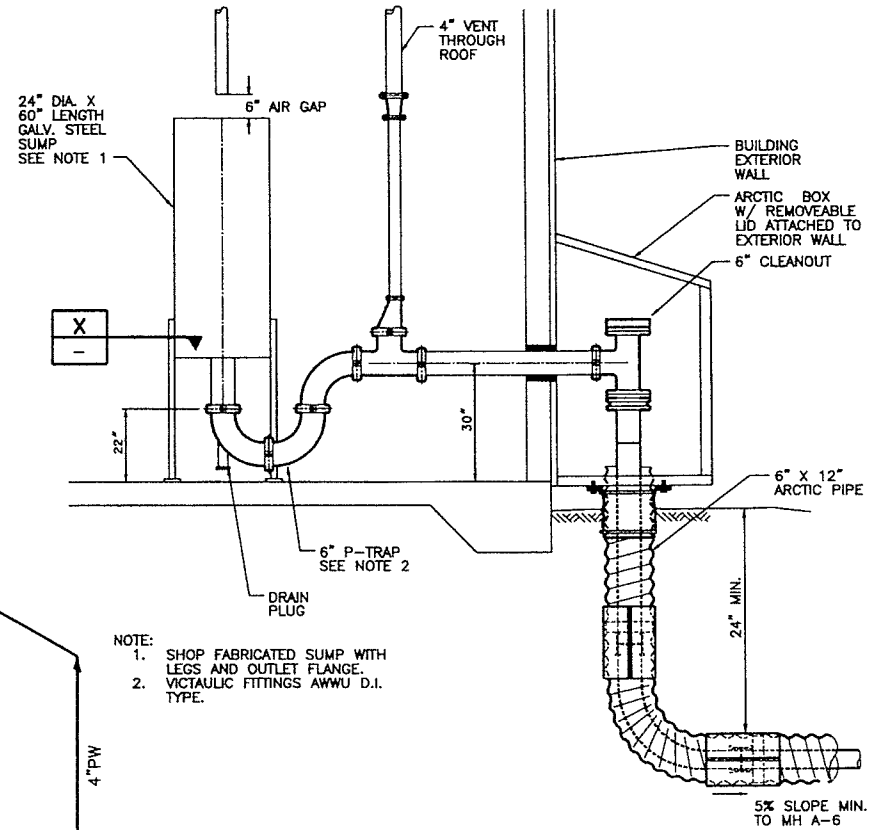


SECTION - AT WATERING POINT **D**
SCALE: 1/2"=1'-0" **S-4**





WATER SUPPLY AND DISTRIBUTION ISOMETRIC 1
NOT TO SCALE P-2





REVISIONS

DATE	5/01/98
DRAWN BY	MB
CHECKED BY	MB
SCALE	AS SHOWN
PROJ. NO.	98.129
FILE NAME	3

SHEAR WALL
PLAN

TOOGHA INC. - TANANA, ALASKA
WATER TREATMENT PLANT/
LAUNDRY FACILITY

WINCE • SORRELL • BRYSON
CONSULTING ENGINEERS
PO BOX 101
KENAI, ALASKA



1998
TANANA, AK.
LAUNDRY FAC.
2 OF 5

