

FLOOR PLAN
1/8" = 1'-0"

SHEET NOTES:

- ◇ PROVIDE SINGLE POINT BAR, "SQUARE D" DPK7GTA OR EQUIVALENT WITH CAPACITY FOR 7 INDIVIDUAL TERMINATIONS OF No. 6 AWG CONDUCTORS. BOND THE GROUND BAR TO THE GROUND BUS IN PANEL A WITH #6 Cu.
- ◇ PROVIDE 2 SIZE 0 STARTERS IN NEMA 3R ENCLOSURES FOR (2) CAN CRUSHERS

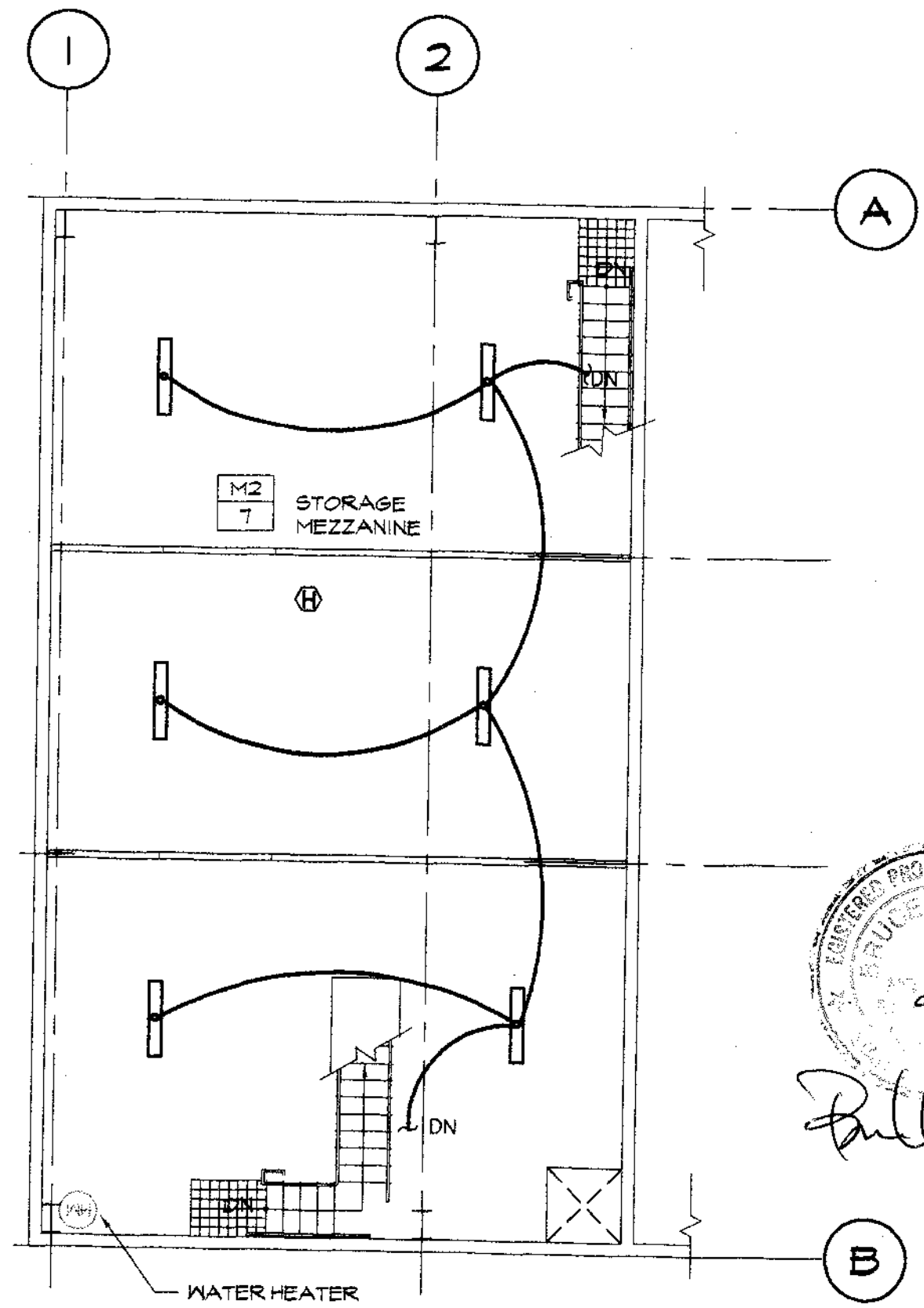
HVAC SCHEDULE

UNIT	AMPS/HP	VOLTS/PHASE	CONDUCTOR/CONDUIT	DISCONNECT/FUSE
HP-1	11.5 A	240 V	2 #12, 1/2" C	
EF-1	1/4 HP	120 V	2 #12, 1/2" C	20/1
EF-2,3,4,5,6,7	1/4 HP	120 V	2 #12, 1/2" C	20/1
P-1	1/25 HP	120 V	2 #12, 1/2" C	20/1
EF-7	1/2 HP	120 V	2 #12, 1/2" C	20/1
(4) SMOKE DAMPERS	1/40 HP	120 V	2 #12, 1/2" C	20/1
(2) SMOKE DETECTORS	1.0 A	120 V	2 #12, 1/2" C	
EMERGENCY SHOWER	1.0 A	120 V	2 #12, 1/2" C	

NOTE: SEE MECH. PLANS FOR LOCATIONS OF EQUIPMENT

EQUIPMENT SCHEDULE

UNIT	AMPS/HP	VOLTS/PHASE	CONDUCTOR/CONDUIT	DISCONNECT/FUSE	STARTER SIZE
(1) AIR COMPRESSOR	5 HP	208/3	3 #10, 1#10G, 3/4" C	30/3	-
(2) CAN CRUSHERS	3 HP	208/3	3 #12, 1#12G, 1/2" C	30/3	0
(1) FILTER CRUSHER	4 HP	208/1	2 #4, 1#10G, 1/2" C	30/2	-
(1) GRANULATOR	1.5 HP	115/1	2#10, 1#10G, 1/2" C	30/1	-



MEZZANINE FLOOR PLAN
1/8" = 1'-0"

PANEL A

120/240 V 3 PHASE 4 WIRE 200A M.L.O.

REMARKS: ① NEMA 3R ENCLOSURE
② VERIFY LOAD
③ PROVIDE HACR C.B.

SERVING	CKT	A	B	WIRE SIZE	CIRC BRKR	A	B	CKT	SERVING
3 @	1	540		12	20/1	40	10	1776	2 COMPRESSOR, 5 HP ③
SPARE	3					10		1776	4
3 @ OFFICE	5		540	12	20/1	3			6
③ HEAT PUMP	7	1380		20		30	12	1320	8 CAN CRUSHER, 3 HP ③
	9		1380		2	12		1320	10
③ CAN CRUSHER, 3 HP	11		800	30		3	12		12
	13	1320				50	4	3100	14 FILTER CRUSHER ③
	15		1320		3	2	4	3100	16
ELEC. WH	17		2250	10	30	40/1	10		18 GRANULATOR, 1.5 HP ③
	19	2250		10	2	20/1			20 SPARE
③ PUMP 1 HP	21		920	12	20				22
	23		920		2	20/1		1000	24 GEN. BATT. CHARGER
FACP	25	500		20/1		20/1		1000	26 GEN. HEATER
③ SUMP PUMP, 1 HP	27		1150	20					28
	29		1150		2	20/1			30 P-1
4 @	31	720		20/1					32 SPARE
	33					20		1000	34 ELEC. GATE ②
PANEL B	35			2	100			1000	36
	37			2	2	20		1000	38 ELEC. GATE ②
	39			2	2			1000	40
1 @ TTIB	41		500	12	20/1	20/1		280	42 2 @

PHASE A 22903 VA LCL 12257
PHASE B 12966 VA +25% LCL 3189
PHASE C 18006 VA REMAINDER 4118
TOTAL 57064 ÷ 240 V = 238 AMPS

NOTE: DO NOT CONNECT ANY 120 V LOADS TO THE "B" OR STINGER PHASE.

PANEL B

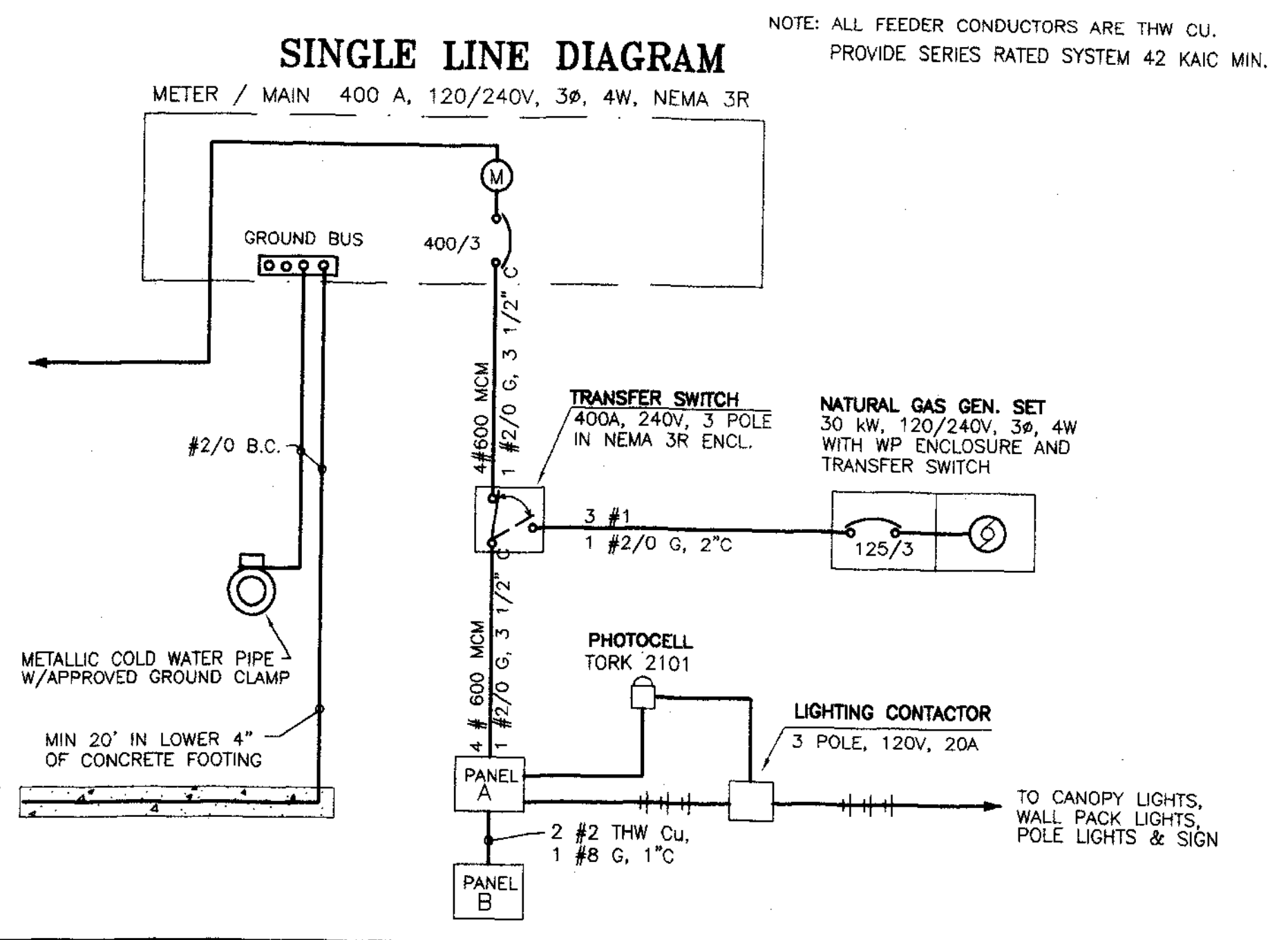
120/240 V 1 PHASE 3 WIRE 225A M.L.O.

REMARKS: THIS PANEL IS 42 POLE WITH 42 20/1 C.B.'S U.O.N.

SERVING	CKT	A	B	WIRE SIZE	CIRC BRKR	A	B	CKT	SERVING
LIGHTS, A & B	1	1728		12	20/1	12	5	2	EXIT SIGN
LIGHTS, J, K & H	3		400			20/1		578	4 POLE LIGHTS
LIGHTS, OUTSIDE	5	1734				15/1		505	6 EF-1
SIGN LIGHT	7		62					505	8 EF-2
AEROSOL CRUSHER	9	1200						670	10 EF-3
	11		1200					505	12 EF-4
SMOKE DAMPERS	13	480						505	14 EF-5
	15		200					670	16 EF-6
EMERGENCY SHOWER	17	120		20/1		1130			18 EF-7
SPARE	19			20/1					20 SPARE

PHASE A 7597 VA LCL 8997
PHASE B 4120 VA +25% LCL 2249
TOTAL 11717 VA REMAINDER 2720
TOTAL 13966 ÷ 240 W = 58 AMPS

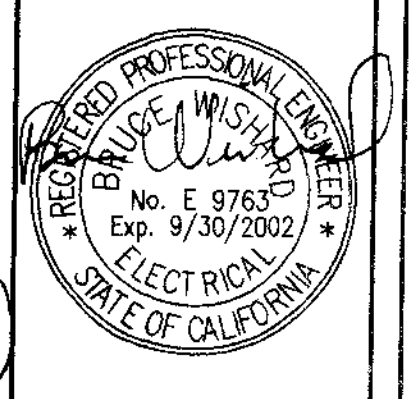
- GENERAL NOTES:**
- Before submitting the bid proposal the Electrical Contractor shall visit the job site and fully acquaint himself with the job conditions and verify service connection including all necessary pull boxes, size and number of conduits and conductors, switchgear, metering, cable charges, etc., whether are shown on drawings or not, but required to make a complete and operating electrical service without additional cost to Owner. Verify service with the Landlord or Landlord's Representative.
 - The Electrical Contractor shall coordinate his work with that of all others, to install lighting fixtures symmetrically with titles and/or dimensions to accommodate fixtures with other equipment installations. Prior to finish of affected work the Electrical Contractor shall instruct the Owner and/or Manager on the use and maintenance of the electrical system.
 - The Electrical Contractor shall verify all requirements of mechanical equipment with mechanical drawings and specifications. The Electrical Contractor shall furnish and install all items required by the air conditioning, heating, and ventilating Contractor for a complete installation.
 - Fixtures and equipment locations indicated are based preliminary layouts. Exact locations shall be verified.
 - Running over current protection and disconnect means, shall be installed on all motors to comply with code.
 - A pull wire shall be installed in all conduits marked "C.O."
 - All disconnect switches shall be horsepower rated for the motor connected to switch.
 - The Electrical Contractor shall do all work required to provide temporary electrical service for construction illumination and power for all trades. All cost of labor and material required for electrical service shall be included in the electrical contract.
 - The Electrical Contractor shall verify the exact ceiling being furnished before ordering fixture noted, either at the job site or with the architect and shall provide the necessary hardware for a complete installation.
 - The Mixing Room is classified as class I, Division 1 per 500-7(a) of the NEC. All electrical equipment in this room shall be approved for Class I, Division 1 location, including switches, receptacles and light fixtures. All wiring methods and sealing in these areas shall be in accordance with N.E.C. Section 501, for Class I, Division 1 areas.
 - All remaining interior spaces except rooms 104, 105, 106, 107, & 108 area classified as Class I, Division 2 per 500-7(b) of the NEC. All electrical equipment in these rooms shall be approved for Class I, Division 2 areas.
 - See Mech. Plans for location of mech. equipment



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ELECTRICAL FLOOR PLAN, MEZZANINE PLAN
HOUSEHOLD HAZARDOUS WASTE FACILITY
SAN JOAQUIN COUNTY

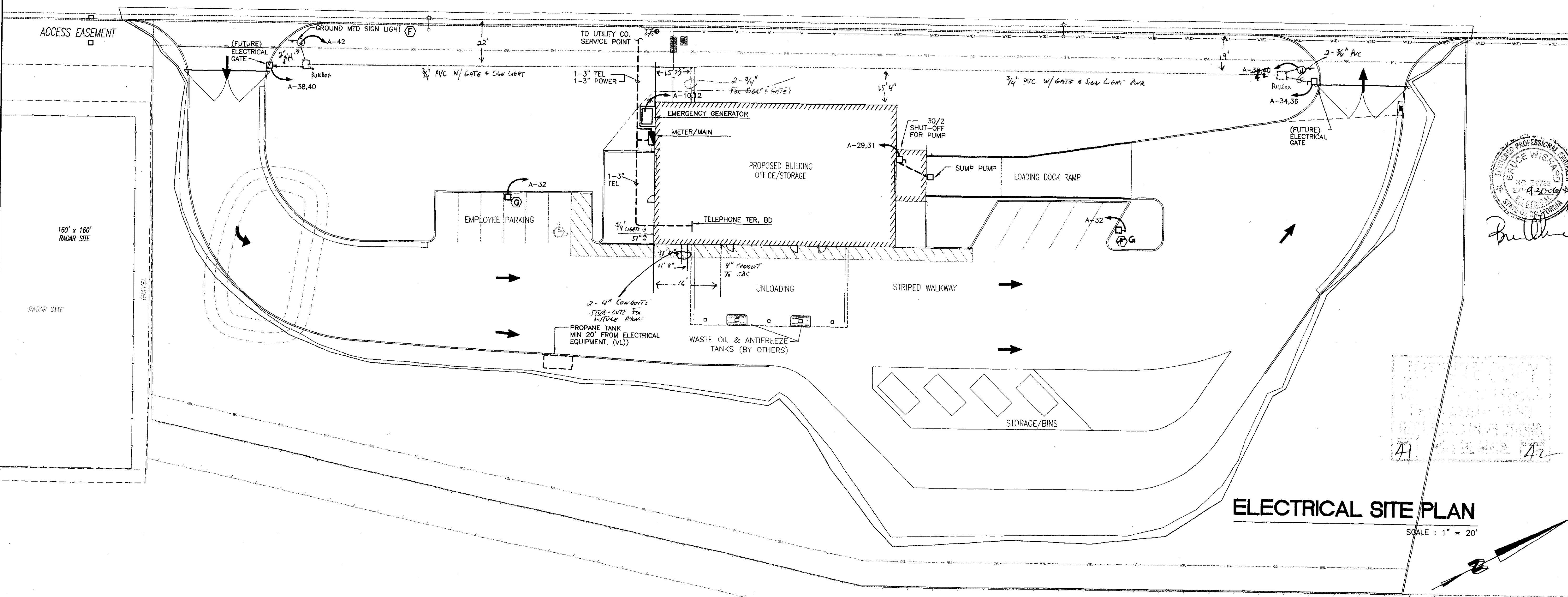
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Drawn By: GLB
Checked By: BW
Date: 07-09-02
File No: S.JOA-E2

Revisions	By

Sheet Number
E2
SHEET 2 of 2 TOTAL

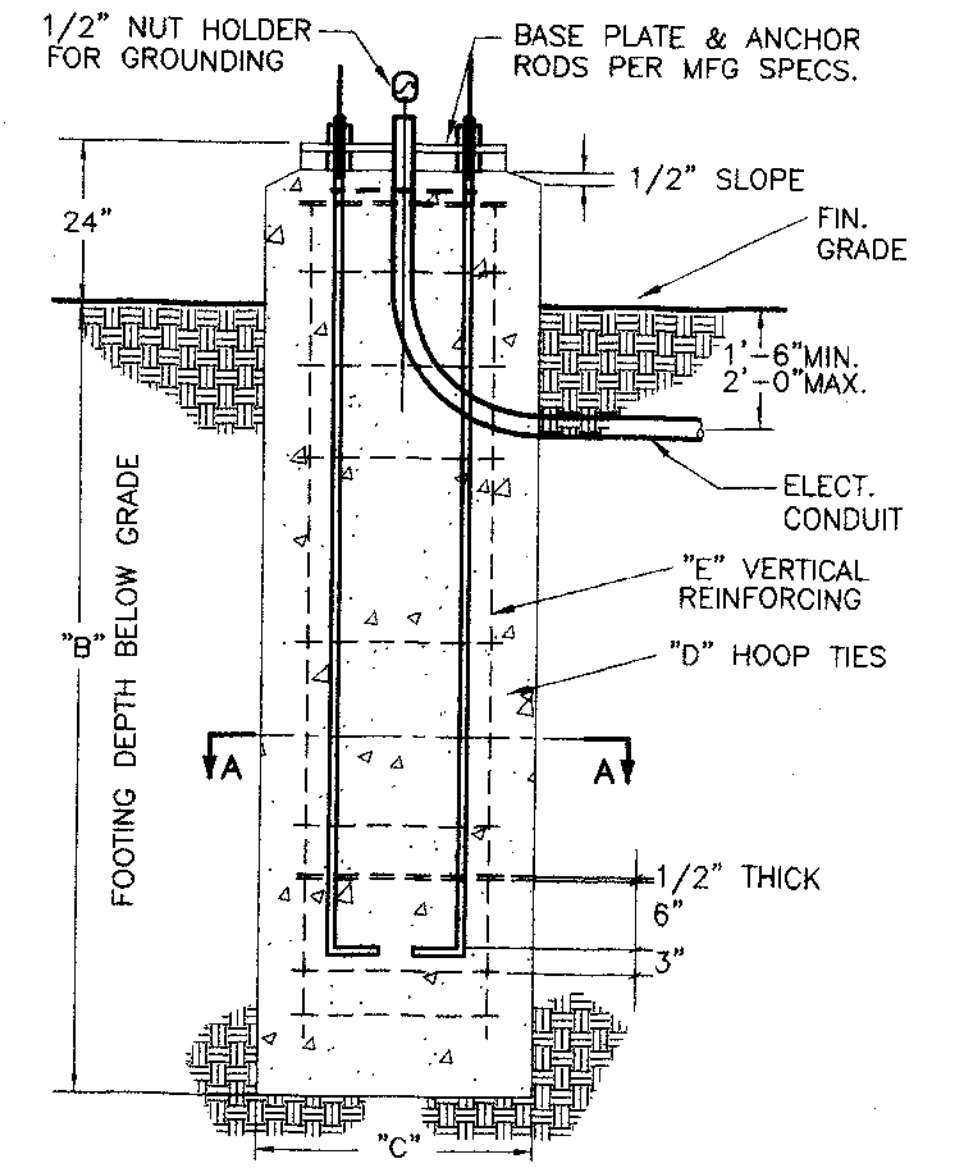
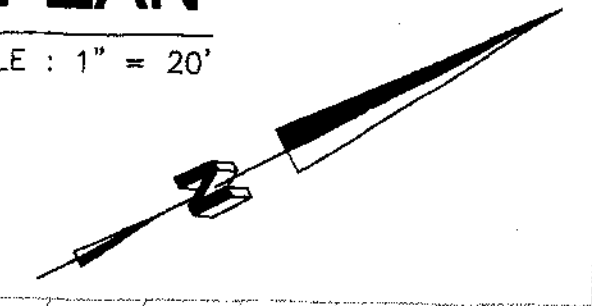
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R.A. BRIDGEMOND STREET

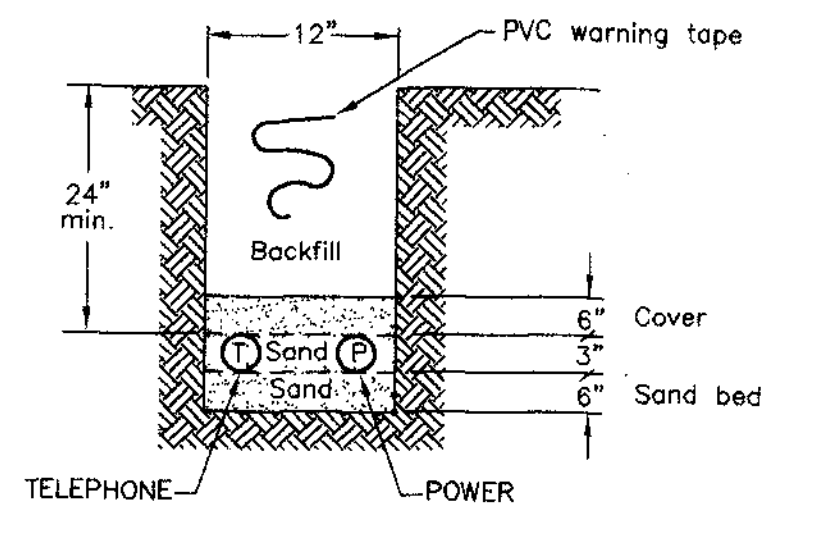
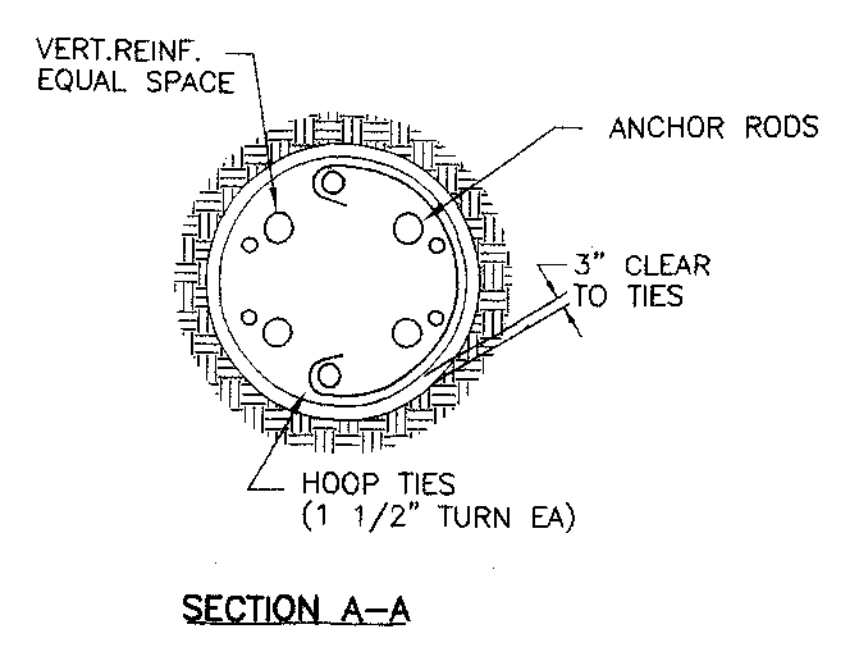


ELECTRICAL SITE PLAN

SCALE: 1" = 20'



FOUNDATION DATA SCHEDULE				
POLE HEIGHT	FOOTING DEPTH BELOW GRADE	FOUNDATION DIAMETER	HOOP TIES	VERTICAL REINFORCING
"A"	"B"	"C"	"D"	"E"
15'1" TO 20'	4'	2'	#3 @ 12" O.C.	4 - #4



LIGHT FIXTURE SCHEDULE				
TAG	DESCRIPTION	MANUFACTURER	LAMPS	WATTS
(A)	4' FL. CLASS I, DIVISION 1 RATED FIXTURE	GUTH, ACS7762/120/HL	2-F32/T8	64
(B)	SURFACE FIX. CLASS I, DIVISION 1 RATED	HUBBELL, HLF-B-F-26-120-B20		
(C)	CANOPY SURFACE FIXTURE	LITHONIA, KACM-250M-DPP-120-SCWA	1-250W PS MH	287
(D)	WALL PACK	LITHONIA, THW-250M-120-SCWA	1-250W PS MH	287
(F)	SIGN LIGHT, 49" L	HUBBELL, AFF-080-WL-32W/T8-120	2-F32/T8	62
(G)	POLE MTD AREA LIGHT-16" SQUARE ON 20' POLE	RUUD, PR 2425-M-PS4S 19C-1-BZ	1-250W MH	287
(H)	4' 2 LAMP STRIP FLUORESCENT WITH WIRE GUARD	LITHONIA, C232-120-GEB-WG	2-F32/T8	64
(J)	4' WRAP FLUORESCENT	LITHONIA, 2LB-232-120-GEB	2-F32/T8	64
(K)	2'x4' FLUORESCENT	LITHONIA, 2SP8-G-232-A12-120-GEB	2-F32/T8	64
(X)	EMERGENCY EXIT SIGN	LITHONIA, DSIR 20		

SYMBOL LIST	
SYMBOL	DESCRIPTION
[Symbol]	SURFACE MTD FLUORESCENT FIXTURE
[Symbol]	WALL MTD LIGHT
[Symbol]	SURFACE MTD LIGHT
[Symbol]	DUPLEX CONVENIENCE OUTLET, +16"
[Symbol]	TELEPHONE OUTLET, PROVIDE MUD RING & 3/4" C TO ACCESSIBLE CEILING
[Symbol]	TOGGLE SWITCH, 200, +48"
[Symbol]	3-WAY TOGGLE SWITCH
[Symbol]	CONDUIT IN GROUND
[Symbol]	SAFETY DISCONNECT, SIZE PER LOAD
[Symbol]	VERIFY LOCATION

Job No: 01740
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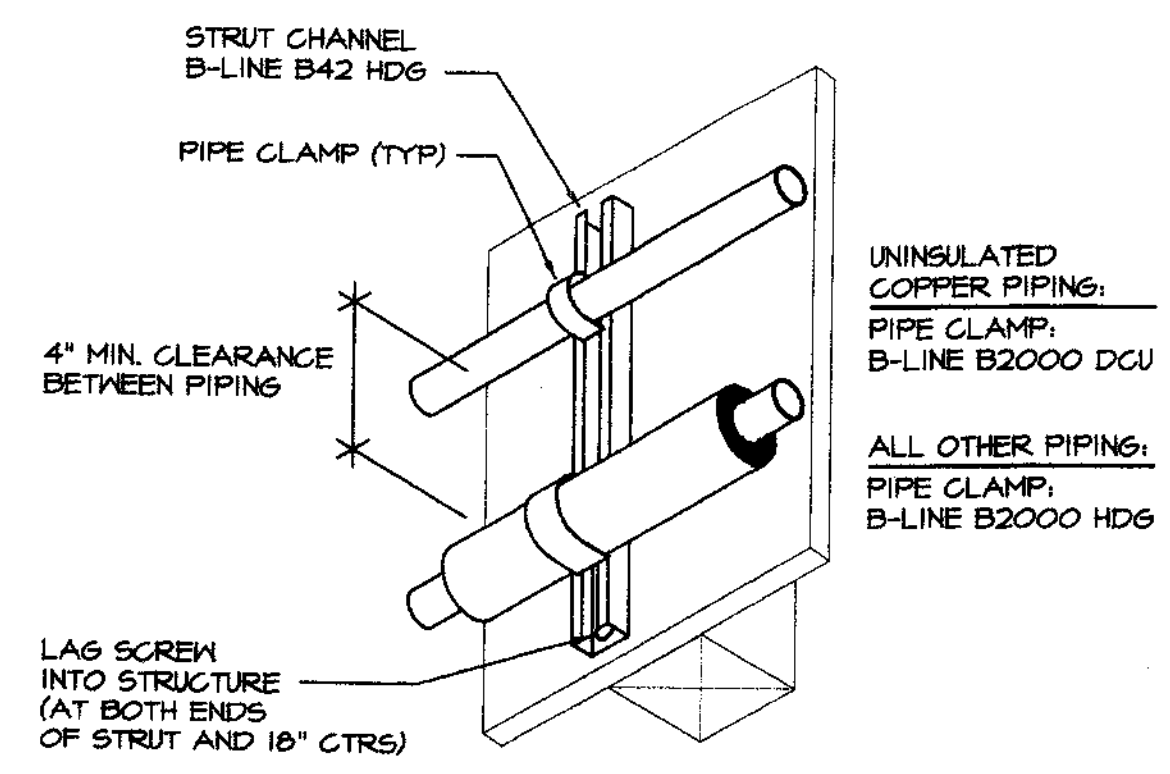
Revisions	By

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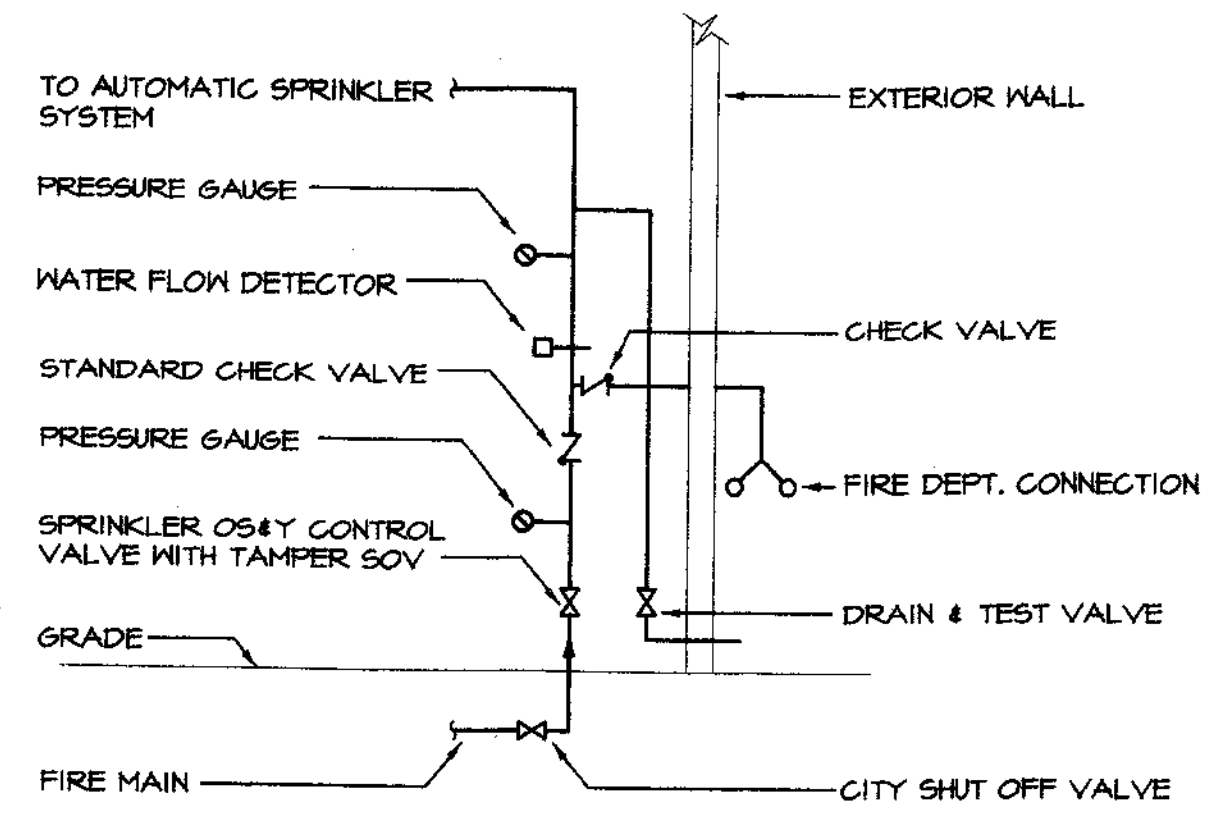
PIPE SIZE	ROD SIZE	SPACING (O.C.)	DESIGN LOAD/HANGER (LBS.)
1/2"	3/8"	6' - 0"	610
3/4" - 1"	3/8"	8' - 0"	610
1 1/4" - 2"	3/8"	10' - 0"	610



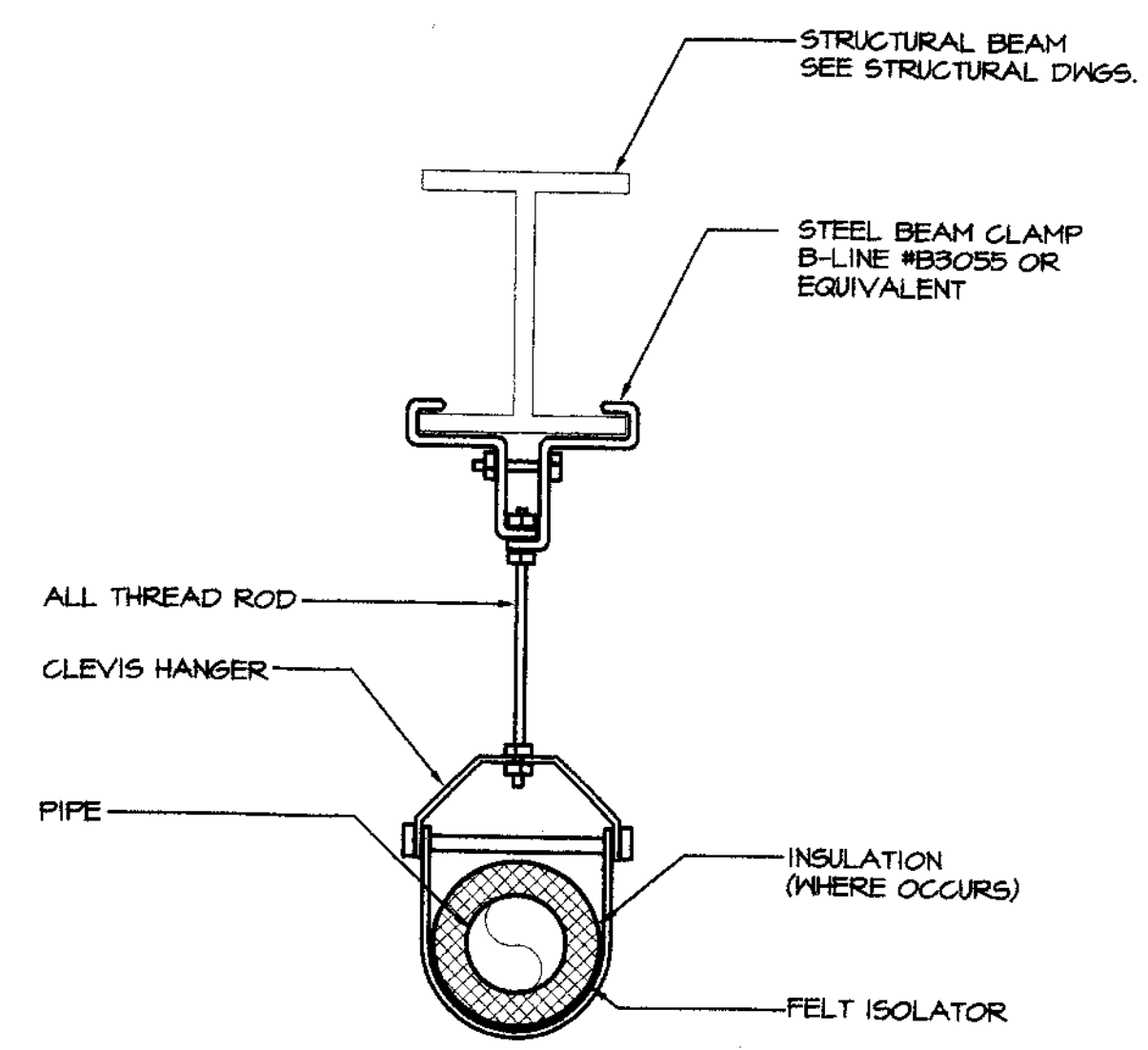
NOTE: 4" PIPE IS FOR GAS ONLY, NOT WATER

PIPE SIZE	SPACING (O.C.)	SCREW Ø	MIN DEPTH	DESIGN LOAD/SUPPORT (LBS.)
1/2"	6' - 0"	3/8"	3"	610
3/4" - 1"	8' - 0"	3/8"	3"	610
1 1/4" - 2"	10' - 0"	3/8"	3"	610

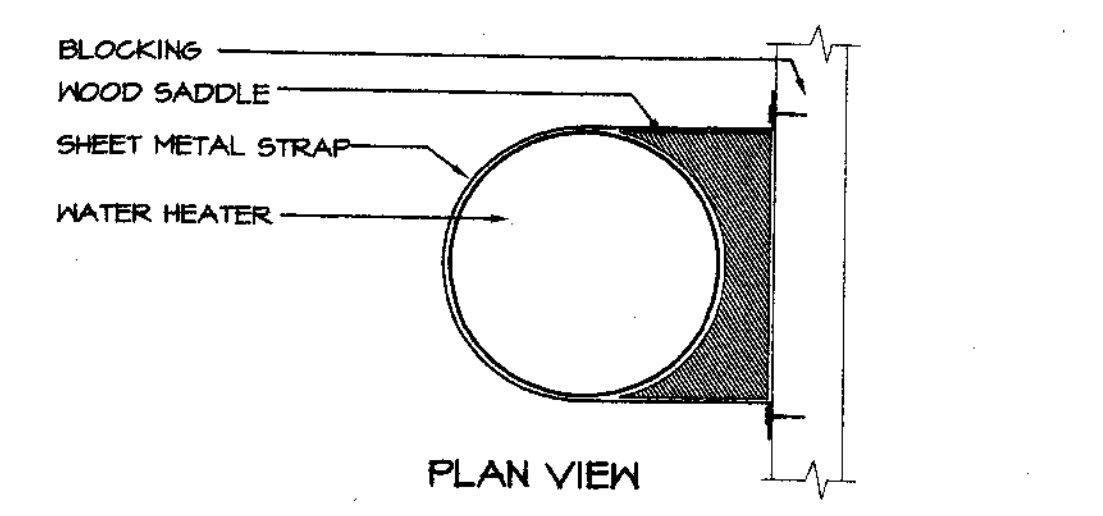
6 PIPING SUPPORT AT WALL
NOT TO SCALE



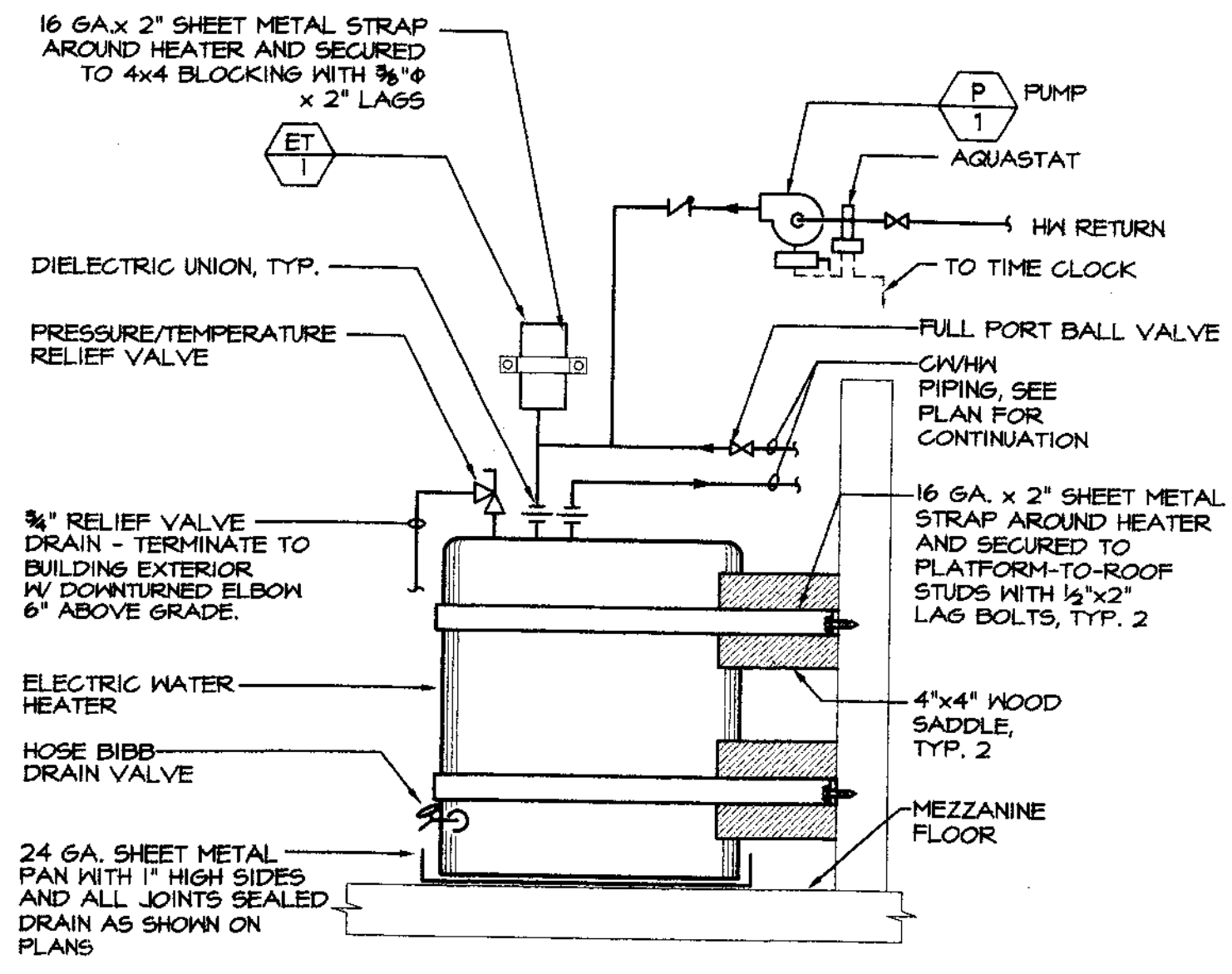
7 FIRE SPRINKLER RISER
NOT TO SCALE



4 PIPE HANGER DETAIL
NOT TO SCALE

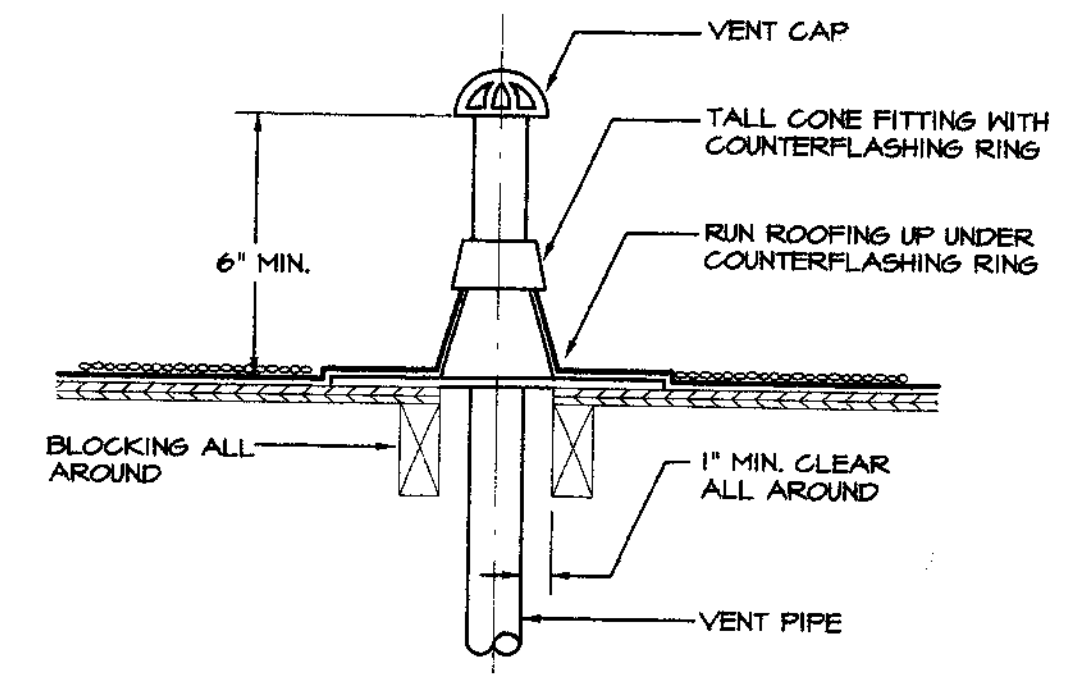


NOTE: MAINTAIN MINIMUM 4" DISTANCE FROM END OF WATER HEATER TO WALL



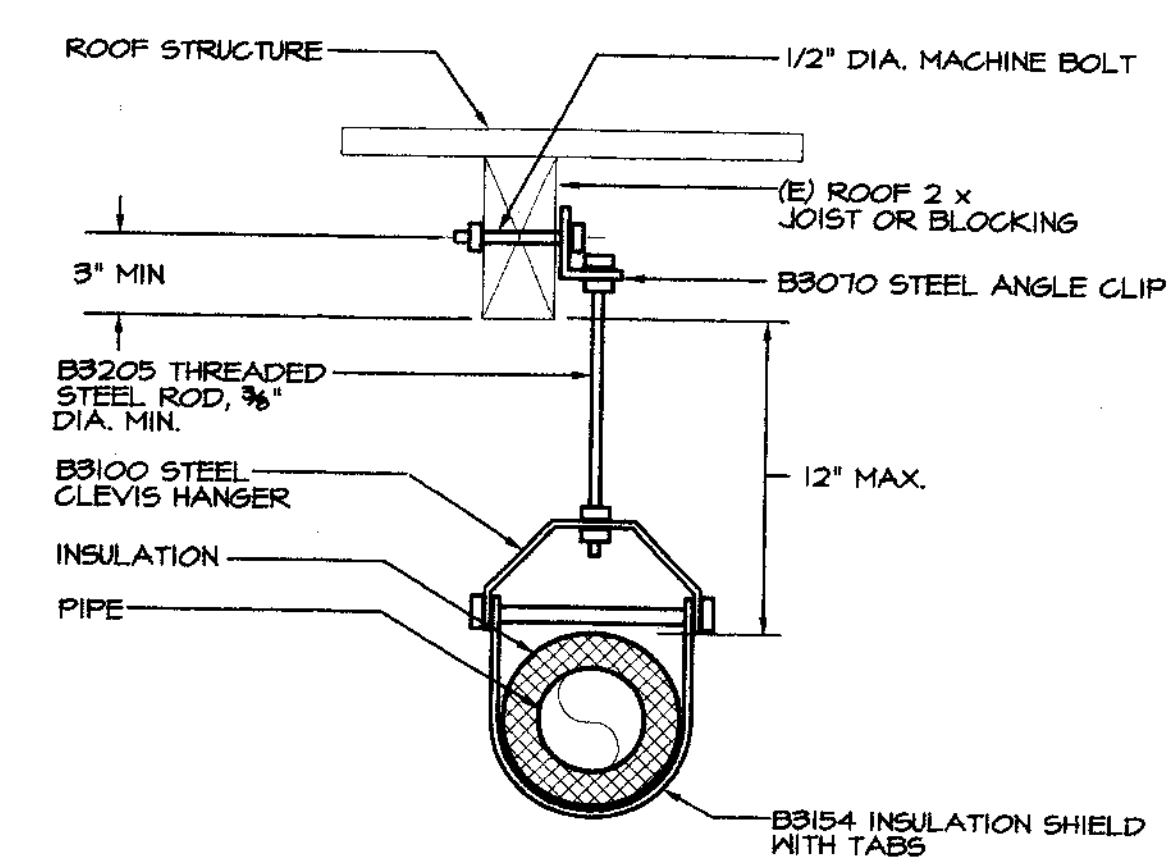
NOTE: SPACE STRAPS AT 1/3 THE HEIGHT OF THE WATER HEATER

5 WATER HEATER BRACING DETAIL
NOT TO SCALE



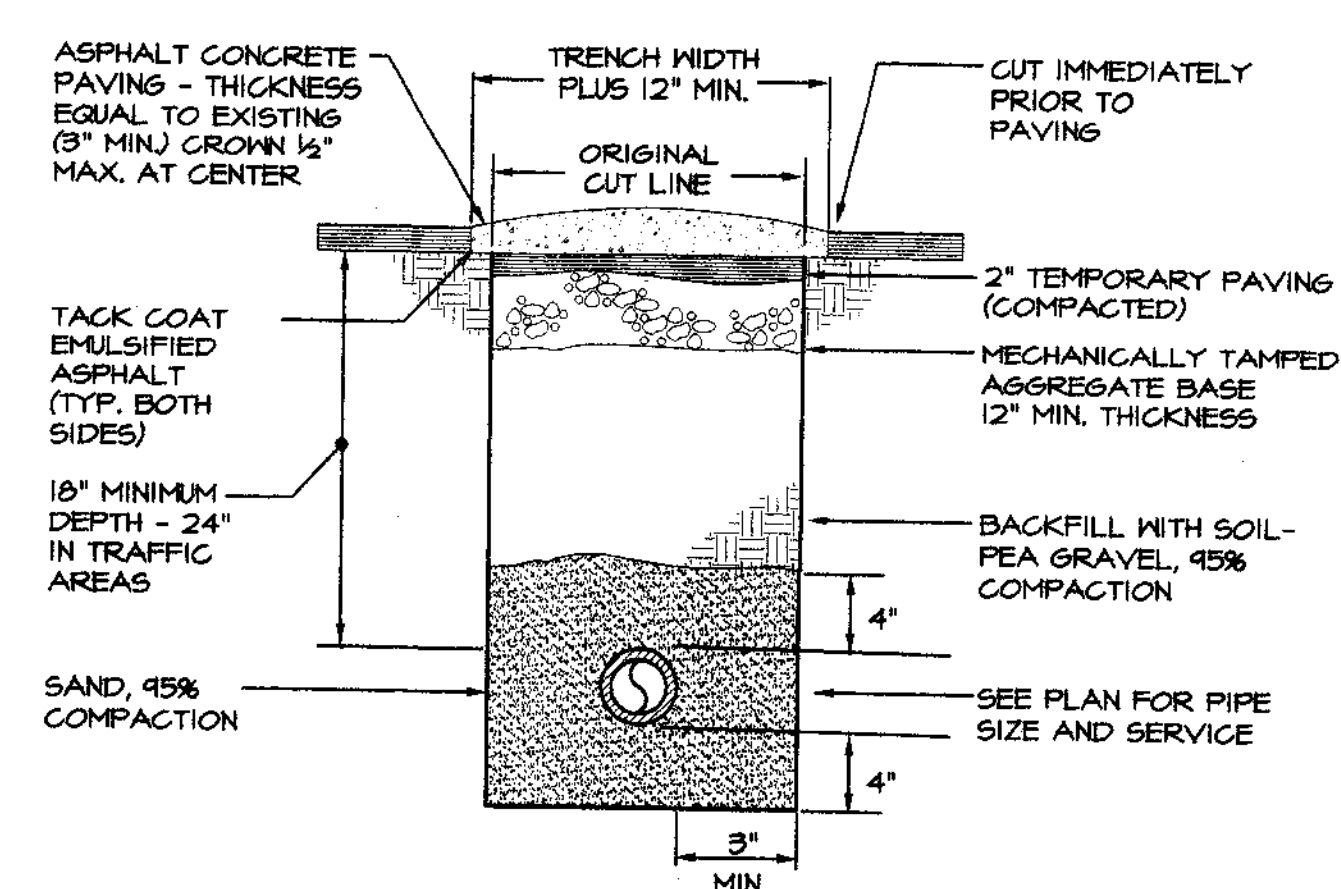
1 VENT THROUGH ROOF
NOT TO SCALE

PIPE SIZE	ROD SIZE	SPACING (O.C.)
1/2"	3/8"	6' - 0"
3/4" - 1"	3/8"	8' - 0"
1 1/4" - 2"	3/8"	10' - 0"



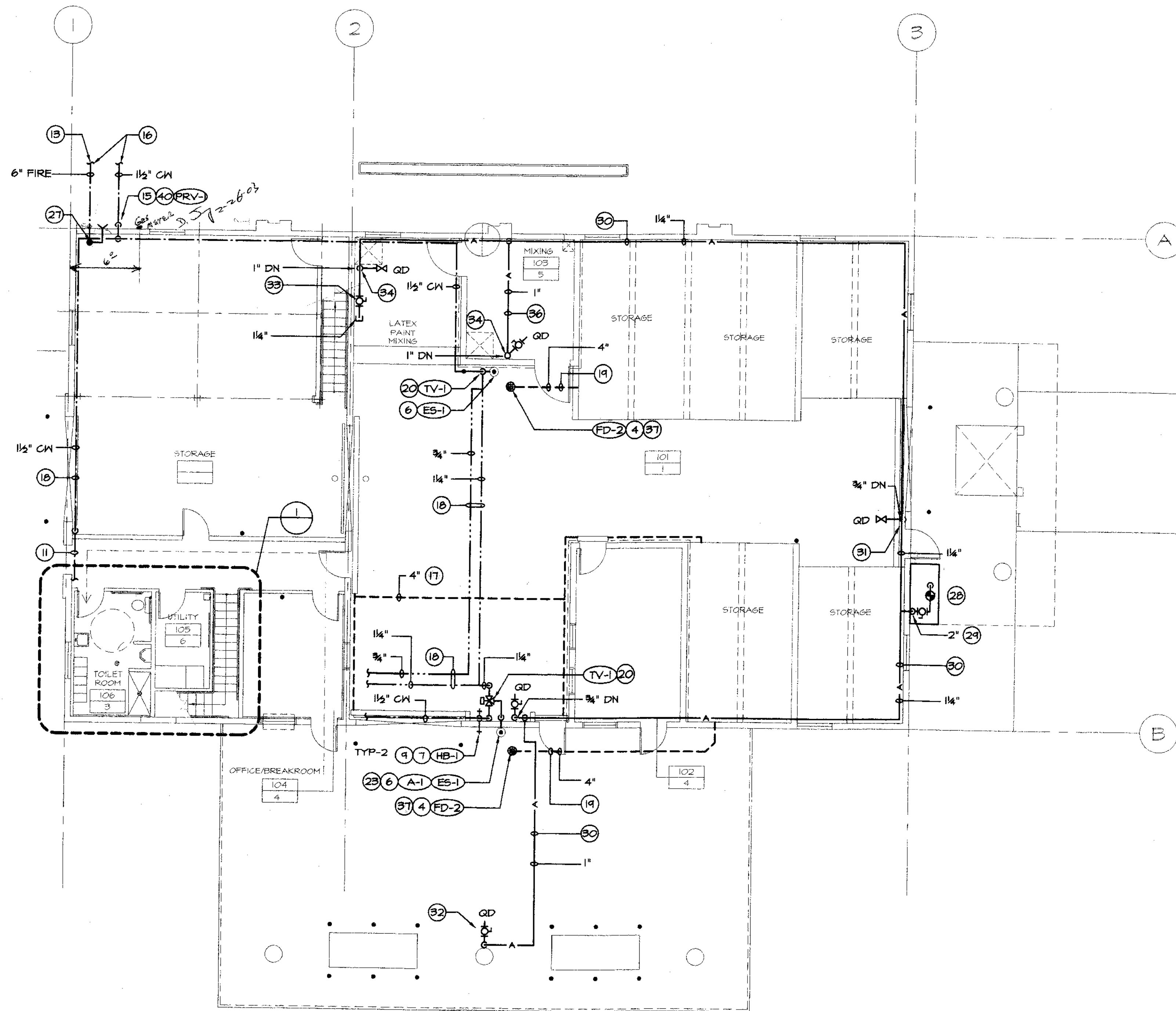
NOTES
1. MODEL NOS. FOR B-LINE PRODUCTS UNLESS NOTED OTHERWISE.
2. USE B3100F FELT LINED CLEVIS HANGER FOR UNINSULATED COPPER PIPE.
3. ALL ITEMS GALVANIZED STEEL UNLESS NOTED OTHERWISE.

2 PIPE HANGER DETAIL
NOT TO SCALE

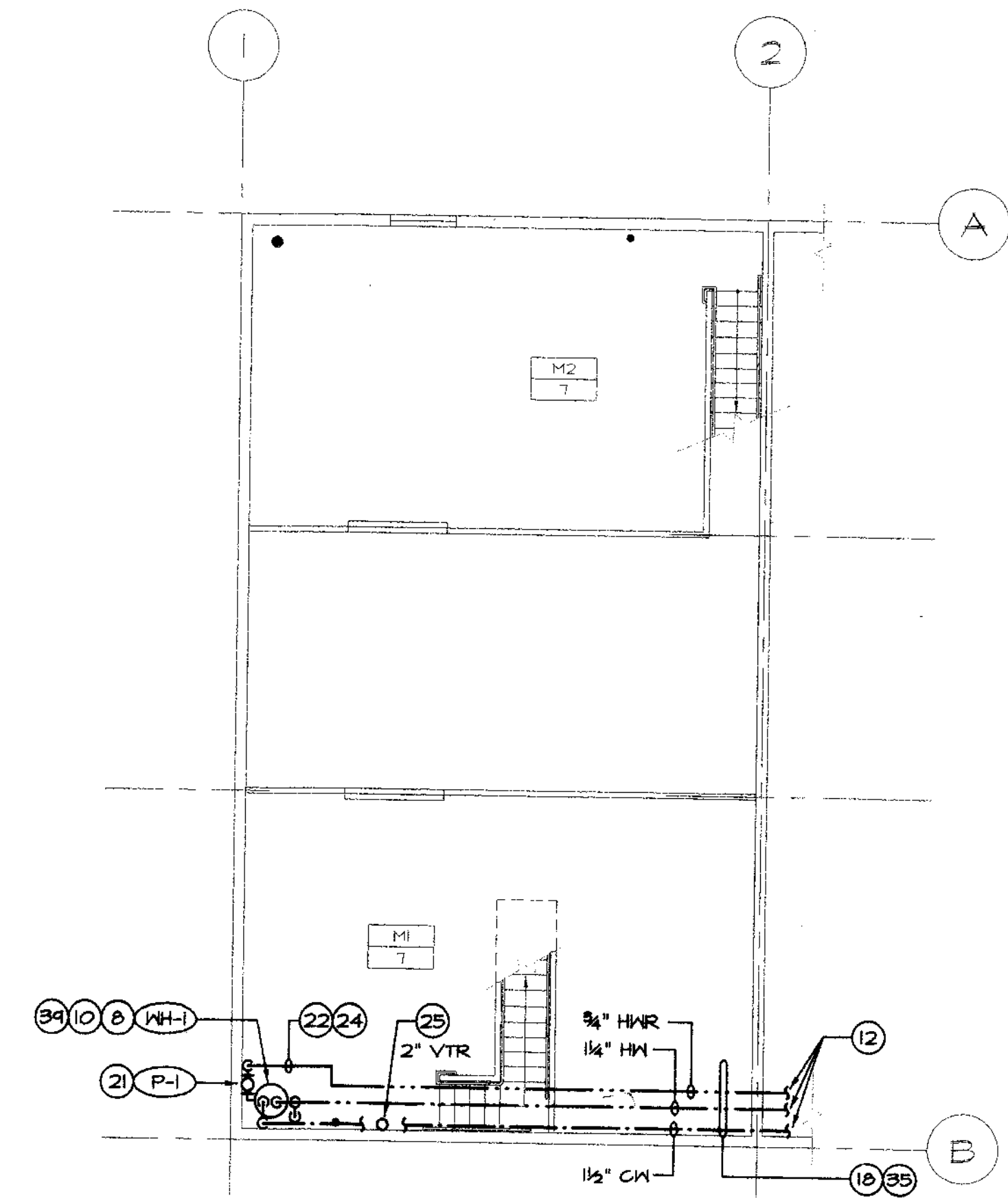


3 PAVED TRENCH DETAIL
NOT TO SCALE

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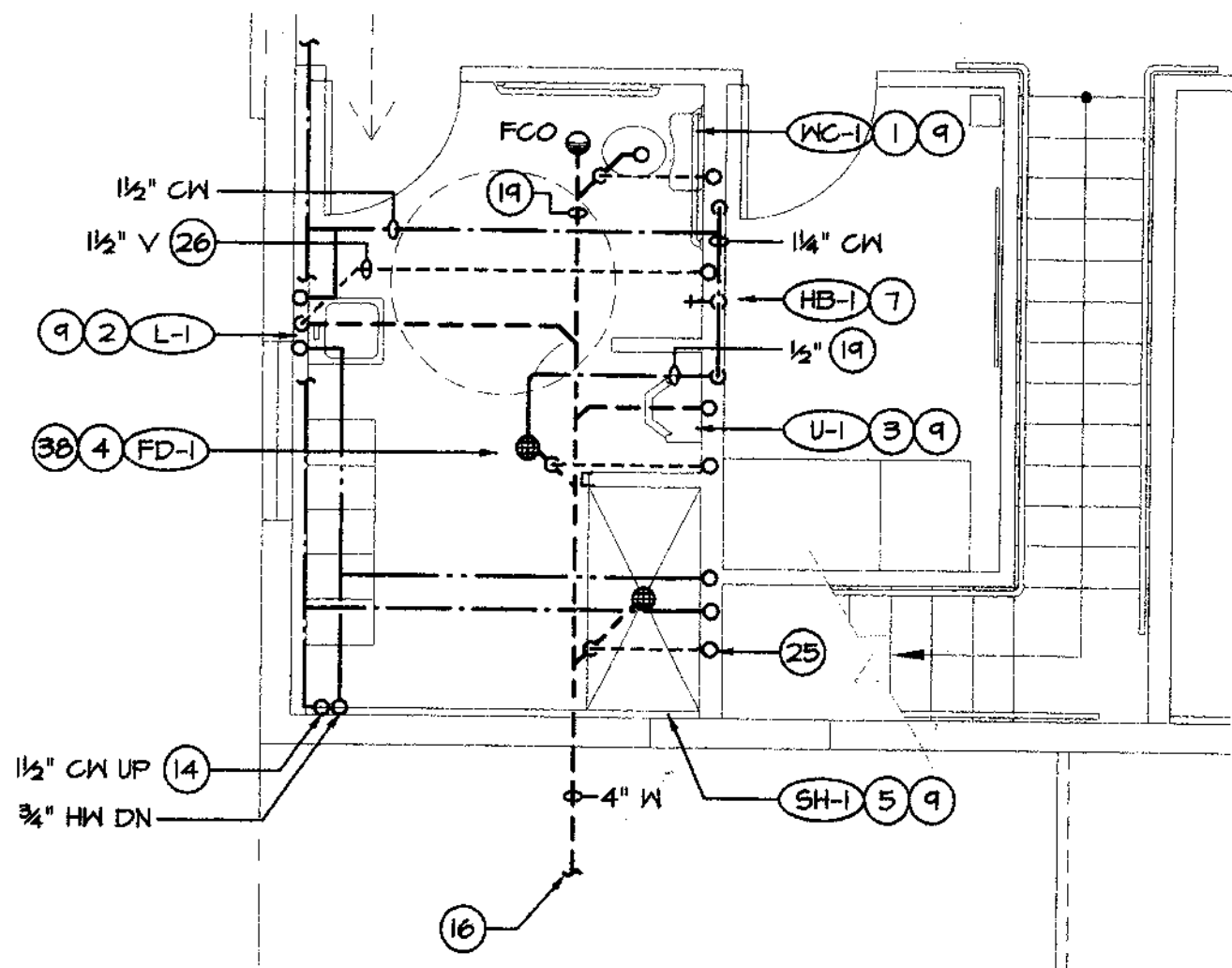


PLUMBING FLOOR PLAN
SCALE: 1/8"=1'-0"



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

ALL NEW INSTALLATIONS
WILL BE MADE



TOILET ROOM
SCALE: 1/4"=1'-0"

SHEET NOTES

- 1 FURNISH AND INSTALL NEW WATER CLOSET AND CONNECT TO PIPING.
- 2 FURNISH AND INSTALL LAVATORY AND CONNECT TO PIPING.
- 3 FURNISH AND INSTALL URINAL AND CONNECT TO PIPING.
- 4 FURNISH AND INSTALL FLOOR DRAIN.
- 5 FURNISH AND INSTALL ADA COMPLIANT SHOWER FIXTURE. CONNECT TO PIPING.
- 6 FURNISH AND INSTALL EMERGENCY SHOWER/EYEWASH. CONNECT TO PIPING.
- 7 FURNISH AND INSTALL HOSE BIBB/VACUUM BREAKER.
- 8 FURNISH AND INSTALL ELECTRIC WATER HEATER ABOVE RESTROOM. COORDINATE WITH ELECTRICAL. SEE DETAIL 5/P3.1
- 9 FURNISH AND INSTALL WATER HAMMER ARRESTORS WITH ACCESS PANEL BETWEEN LAST TWO FIXTURES ON EACH BRANCH.
- 10 FURNISH AND INSTALL WATER HEATER T&P DRAIN. TERMINATE AT BUILDING EXTERIOR WITH DOWNTURNED ELBOW 6" ABOVE GRADE. VERIFY LOCATION.
- 11 PIPING ABOVE CEILING AND BELOW MEZZANINE, TYP.
- 12 SEE PLUMBING FLOOR PLAN FOR CONTINUATION.
- 13 FIRE SPRINKLER WATER SUPPLY. SEE CIVIL DRAWINGS.
- 14 RISER PIPING TO WATER HEATER ABOVE.
- 15 WATER SUPPLY TO BUILDING W/SOY. SEE CIVIL DRAWINGS.
- 16 SEE CIVIL DRAWINGS FOR CONTINUATION.
- 17 FURNISH AND INSTALL WASTE PIPING TO SUMP FROM TRENCH DRAIN, BY OTHERS, TYP. COORDINATE CONNECTION.
- 18 PIPING UP AS HIGH AS POSSIBLE, TYP.
- 19 PIPING BELOW GRADE, TYP.
- 20 FURNISH AND INSTALL THERMOSTATIC MIXING VALVE AT EMERGENCY SHOWER/EYEWASH.
- 21 FURNISH AND INSTALL HOT WATER CIRCULATING PUMP, TIMER AND AQUASTAT. COORDINATE WITH ELECTRICAL.
- 22 FURNISH AND INSTALL AIR ELIMINATOR WITH DRAIN AND SHUT-OFF VALVE AT HIGH POINT OF HWR PIPING. TERMINATE VENT DRAIN TO NEAREST TRENCH DRAIN.
- 23 FURNISH AND INSTALL ALARM LIGHT AND SIGNAL AT EXTERIOR EMERGENCY SHOWER. COORDINATE WITH ELECTRICAL.
- 24 HWR DOWN TO PUMP AND WATER HEATER.
- 25 COMBINE PLUMBING VENTS IN WALL AND RUN FULL SIZE 2" VENT TO ROOF. SEE MEZZANINE FLOOR PLAN.
- 26 VENT PIPING ABOVE CEILING.
- 27 FIRE SPRINKLER RISER. SEE DETAIL 7/P3.1
- 28 FURNISH AND INSTALL COMPRESSED AIR (CA) PIPING AND CONNECT THROUGH FULL PORT BALL VALVE TO AIR COMPRESSOR BY OTHERS.
- 29 CA PIPE RISER ON WALL.
- 30 CA PIPE AS HIGH AS POSSIBLE.
- 31 CA PIPE RISER DOWN TO AIR OUTLET. CONFIRM HEIGHT AND LOCATION, TYP.-5.
- 32 FURNISH AND INSTALL FULL PORT BALL VALVE AND QUICK DISCONNECT (QD), TYP.-5.
- 33 FURNISH AND INSTALL FULL PORT BALL VALVE, CAP PIPE STUB FOR FUTURE CONNECTION.
- 34 CONNECT CA PIPING TO CAN CRUSHER W/SOY. COORDINATE CONNECTION LOCATION WITH INSTALLING CONTRACTOR.
- 35 PIPING TIGHT TO WALL, TYP.
- 36 CA PIPING ON TOP OF INTERIOR ROOM.
- 37 TERMINATE FLOOR DRAIN TO SUMP.
- 38 FURNISH AND INSTALL TRAP PRIMER TO FLOOR DRAIN.
- 39 FURNISH AND INSTALL 3/4" DRAIN FROM WATER HEATER OVERFLOW PAN. TERMINATE ADJACENT TO T&P RELIEF PIPE.
- 40 FURNISH AND INSTALL PRESSURE REDUCING VALVE SET TO 50 PSI.

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GENERAL NOTES

- SEE SPECIFICATION SECTION 15400 FOR MATERIAL AND FIXTURE DESCRIPTIONS.
- ALL PLUMBING WORK SHALL BE IN FULL ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES.
- THE DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED AS A GUIDE FOR THE COMPLETE INSTALLATION. THE PLUMBING CONTRACTOR SHALL INSTALL ALL PIPING TO BEST SUIT FIELD CONDITIONS.
- ALL PIPING SHALL BE RUN TO AVOID ARCHITECTURAL OPENINGS, STRUCTURAL MEMBERS, FIXTURES AND OTHER OBSTRUCTIONS. RUN PIPING CONCEALED WHEREVER POSSIBLE IN PARTITIONS, WALLS, FURRED SPACES, OR BELOW FLOORS UNLESS OTHERWISE NOTED OR INDICATED ON PLANS. PIPING SHALL MAINTAIN A 1" MINIMUM CLEARANCE FROM ALL COMBUSTIBLE CONSTRUCTION.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL PLUMBING FIXTURES AND ASSOCIATED ACCESSORIES.
- INSTALL ALL PIPING WITH AMPLE PROVISION FOR EXPANSION AND CONTRACTION.
- PROVIDE ALL TRIM NECESSARY FOR THE COMPLETE INSTALLATION OF ALL FIXTURES AND EQUIPMENT.
- PROVIDE ACCESS PANELS FOR ALL SHUT-OFF VALVES, TRAP PRIMERS AND WATER HAMMER ARRESTORS LOCATED WITHIN WALLS OR ABOVE FINISHED CEILING. COORDINATE EXACT LOCATIONS OF ALL PANELS WITH ARCHITECT.
- ALL VALVES SHALL BE LINE SIZE UNLESS NOTED OTHERWISE.
- GANG FIXTURE VENTS WHERE POSSIBLE IN ORDER TO MINIMIZE NUMBER OF ROOF PENETRATIONS. ALL VENTS THROUGH ROOF MUST TERMINATE NOT LESS THAN 10 FEET FROM OUTDOOR AIR INTAKES AT MECHANICAL UNITS.
- REMOVE ABANDONED PIPING IN AREAS OF RENOVATION WHERE ACCESSIBLE.
- FIELD VERIFY ALL EXISTING PLUMBING VENTS TO BE REUSED PRIOR TO COMMENCING WORK. NOTIFY THE ARCHITECT IN WRITING OF ANY EXISTING CONDITIONS WHICH WOULD PRECLUDE THE USE OF ANY EXISTING VENT DESIGNATED FOR REUSE ON THE DRAWINGS.
- STUD PARTITIONS CONTAINING PLUMBING, HEATING, OR OTHER PIPES SHALL BE SO FRAMED AND THE JOISTS UNDERNEATH SO SPACED AS TO GIVE PROPER CLEARANCE FOR THE PIPING. WHERE A PARTITION CONTAINING SUCH PIPING RUNS PARALLEL TO THE FLOOR JOISTS, THE JOISTS UNDERNEATH SUCH PARTITIONS SHALL BE DOUBLED AND SPACED TO PERMIT THE PASSAGE OF SUCH PIPES AND SHALL BE BRIDGED. NOTCHES SHALL NOT BE PLACED IN STUDS UNLESS FULLY DETAILED ON THE APPROVED PLANS TO RESTORE THE STRUCTURAL RESISTANCE OF THE MEMBER. ALL SPLICES IN STUDS OR PLATES WHICH ARE REQUIRED TO RESIST LOADS SHALL BE DESIGNED AND FULLY DETAILED ON THE APPROVED DRAWINGS. (S. S. D.). ANY CUTTING AND NOTCHING SHALL BE DETAILED ON THE APPROVED PLANS.
- HOLES EXCEEDING ONE THIRD OF THE WIDTH OF THE MEMBER BEING PENETRATED SHALL NOT BE PLACED IN STUDS UNLESS FULLY DETAILED ON THE APPROVED PLANS. HOLES NOT EXCEEDING ONE THIRD OF THE STUD WIDTH SHALL BE NEATLY BORED AND SHALL BE LOCATED IN THE CENTER OF THE MEMBER BEING PENETRATED.

SEISMIC RESTRAINT NOTES

GENERAL

ALL MECHANICAL COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA BUILDING CODE (1998), SECTION 1632A - "LATERAL FORCE ON ELEMENTS OF STRUCTURES, NON-STRUCTURAL COMPONENTS AND EQUIPMENT SUPPORTED BY STRUCTURES."

ALL MECHANICAL COMPONENTS SHALL RESIST THE EFFECTS OF SEISMIC FORCES FOR ZONE 4 AND AS MODIFIED BY THE NEAR SOURCE FACTOR.

HVAC DUCTWORK AND PIPING SYSTEMS

ALL PIPES AND DUCTS SHALL BE BRACED TO RESIST THE FORCES PRESCRIBED IN CBC SECTION 1630A.2 AND SECTION 1632A.6.

DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH PROVISIONS CONTAINED IN PART 4, TITLE 24, CALIFORNIA MECHANICAL CODE.

PIPING CONSTRUCTED OF NON-DUCTILE MATERIALS SHALL HAVE THE BRACE SPACING REDUCED TO ONE-HALF OF THE SPACING ALLOWED FOR DUCTILE MATERIALS, IN ACCORDANCE WITH CBC SECTION 1630A.5.

EXCEPTIONS:

- FUEL PIPING LESS THAN 1 INCH INSIDE DIAMETER.
- NON-MEDICAL GAS PIPING LESS THAN 2.5 INCHES INSIDE DIAMETER, OR PIPING SUSPENDED BY INDIVIDUAL HANGERS 12 INCHES OR LESS IN LENGTH FROM THE TOP OF THE PIPE TO THE BOTTOM OF THE STRUCTURAL SUPPORT FOR THE HANGER.
- RECTANGULAR AIR-HANDLING DUCTS LESS THAN 6 SQUARE FOOT IN CROSS-SECTIONAL AREA, OR ROUND AIR-HANDLING DUCTS LESS THAN 28 INCHES IN DIAMETER, OR DUCTS SUSPENDED BY HANGERS 12 INCHES OR LESS IN LENGTH FROM THE TOP OF THE DUCT TO THE BOTTOM OF THE STRUCTURAL SUPPORT FOR THE HANGER.

PLUMBING LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
---	CM	DOMESTIC COLD WATER PIPING
---	CD	CONDENSATE DRAIN PIPING
---	DN	PIPE DOWN
---	UP	PIPE UP
---	HM	DOMESTIC HOT WATER PIPING
---	HMR	DOMESTIC HOT WATER RETURN PIPING
---	G	GAS PIPING (LOW PRESSURE)
○	OFD	OVERFLOW DRAIN
○	RD	ROOF DRAIN
---	RHL	RAIN WATER LEADER PIPING
---	SD	STORM DRAIN PIPING
---	V	VENT PIPING
○	VTR	VENT THRU ROOF
---	SS, W	SANITARY SEWER, WASTE PIPING (AFG)
---	SS, W	SANITARY SEWER, WASTE PIPING (UG)
---	PA	PIPING ANCHOR
○	POC	POINT OF CONNECTION
○	FCO	FLOOR CLEAN OUT
○	COTG	CLEAN OUT TO GRADE
+	HB	HOSE BIBB
○	WHA	WATER HAMMER ARRESTOR
+	U	UNION
---	WCO	WALL CLEAN OUT
---	CFF	PIPING CAP (GAPPED FOR FUTURE)
○	BV	BALL VALVE
○	CC	BALANCING VALVE
○	CKV	CHECK VALVE
○	GC	GAS COCK
○	GV	GATE VALVE
○	PRV	PRESSURE REGULATOR VALVE
○	PG	PRESSURE GAUGE
○	SOV	SHUT OFF VALVE IN VALVE BOX
○	STR	STRAINER
○	TH	THERMOMETER
○	P	PUMP
○	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
○	FC	FLEXIBLE CONNECTION
○	DV	DRAIN VALVE
→		DIRECTION OF FLOW
○	PRLV	PRESSURE RELIEF VALVE
○	MV	MIXING VALVE
○	FD	FLOOR DRAIN
○	FS	FLOOR SINK
---	MG	GAS PIPING (MEDIUM PRESSURE)
---		SLOPE PIPING IN DIRECTION OF ARROW
○	TPV	TRAP PRIMER VALVE
---	AFG	ABOVE FINISHED CEILING
---	AFF	ABOVE FINISHED FLOOR
---	AFG	ABOVE FINISHED GRADE
---	AP	ACCESS PANEL
---	BF	BELOW FLOOR
---	CTED	CONNECT TO EXISTING
---	CFH	CUBIC FEET PER HOUR
(E)		EXISTING
(N)		NEW
NIC		NOT IN CONTRACT
UG		UNDERGROUND
S.C.D.		SEE CIVIL DRAWINGS
S.S.D.		SEE STRUCTURAL DRAWINGS
S.A.D.		SEE ARCHITECTURAL DRAWINGS
S.M.D.		SEE MECHANICAL DRAWINGS

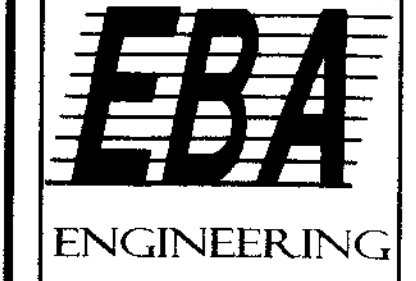
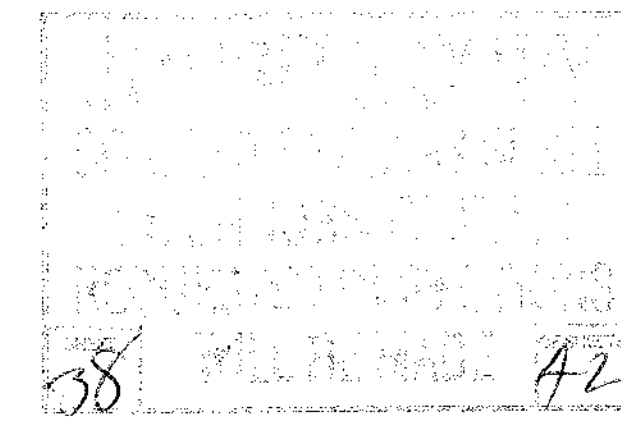
HAZARDOUS MATERIALS NOTE

IF DURING THE COURSE OF THIS WORK THE CONTRACTOR OBSERVES THE EXISTENCE OF HAZARDOUS MATERIALS, THE CONTRACTOR SHALL IMMEDIATELY TERMINATE FURTHER WORK IN THAT AREA AND NOTIFY THE OWNER OF THE CONDITION. THE OWNER WILL, AFTER CONSULTATION WITH THE ARCHITECT OR ENGINEER DETERMINE FURTHER COURSE OF ACTION.

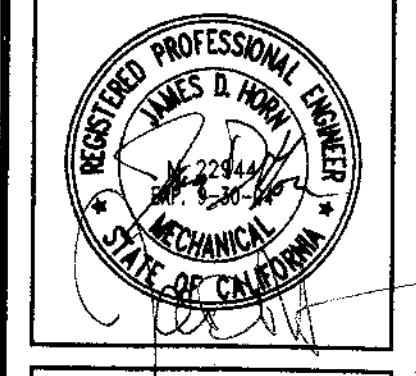
PLUMBING FIXTURE CONNECTION SCHEDULE						
TAG	DESCRIPTION	COLD WATER	HOT WATER	DRAIN / WASTE	VENT	NOTES
(ES-1)	EMERGENCY SHOWER/EYEWASH	1/4"	-	-	-	ADA COMPLIANT W/FLOOR DRAIN
(HB-1)	HOSE BIBB	3/4"	-	-	-	WALL MOUNTED W/VACUUM BREAKER
(FD-1)	FLOOR DRAIN	1/2"	-	3"	1-1/2"	TRAP PRIMER
(L-1)	LAVATORY	1/2"	1/2"	2"	1-1/2"	WALL MOUNTED BARRIER FREE
(SH-1)	SHOWER FIXTURE, ADA (SEE DETAIL 2/A4)	1/2"	1/2"	-	-	BARRIER FREE
(U-1)	URINAL	3/4"	-	2"	1-1/2"	WALL-MOUNTED BARRIER-FREE
(WC-1)	WATER CLOSET	1"	-	4"	2"	FLOOR-MOUNTED FLUSH VALVE, ADA

- NOTES:
 1. SEE PLUMBING LIST IN SPECIFICATION SECTION 15400
 2. SEE ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS.
 3. FLUSH VALVE HANDLE ON WIDE SIDE OF STALL

PLUMBING EQUIPMENT SCHEDULE			
TAG	MAKE & MODEL	DESCRIPTION	WT.
(WH-1)	A.O. SMITH DEL-30	ELECTRIC STORAGE WATER HEATER 30 GALLONS; 4500W. 18 GPH RECOVERY AT 100 F. 208VAC, 1 PHASE	350
(ET-1)	A.O. SMITH V-5E	EXPANSION TANK, 2 GALLON	20
(TV-1)	HANS 9201	THERMOSTATIC MIXING VALVE EMERGENCY SHOWER	15
(P-1)	TACO 003-PNP	HW CIRCULATION PUMP W/AQUASTAT 1 GPM @ 5 FT HD 0.43A, 115V, 1/40 HP	10
(A-1)	HANS 9001	EMERGENCY ALARM SYSTEM 120VAC/1/60	15



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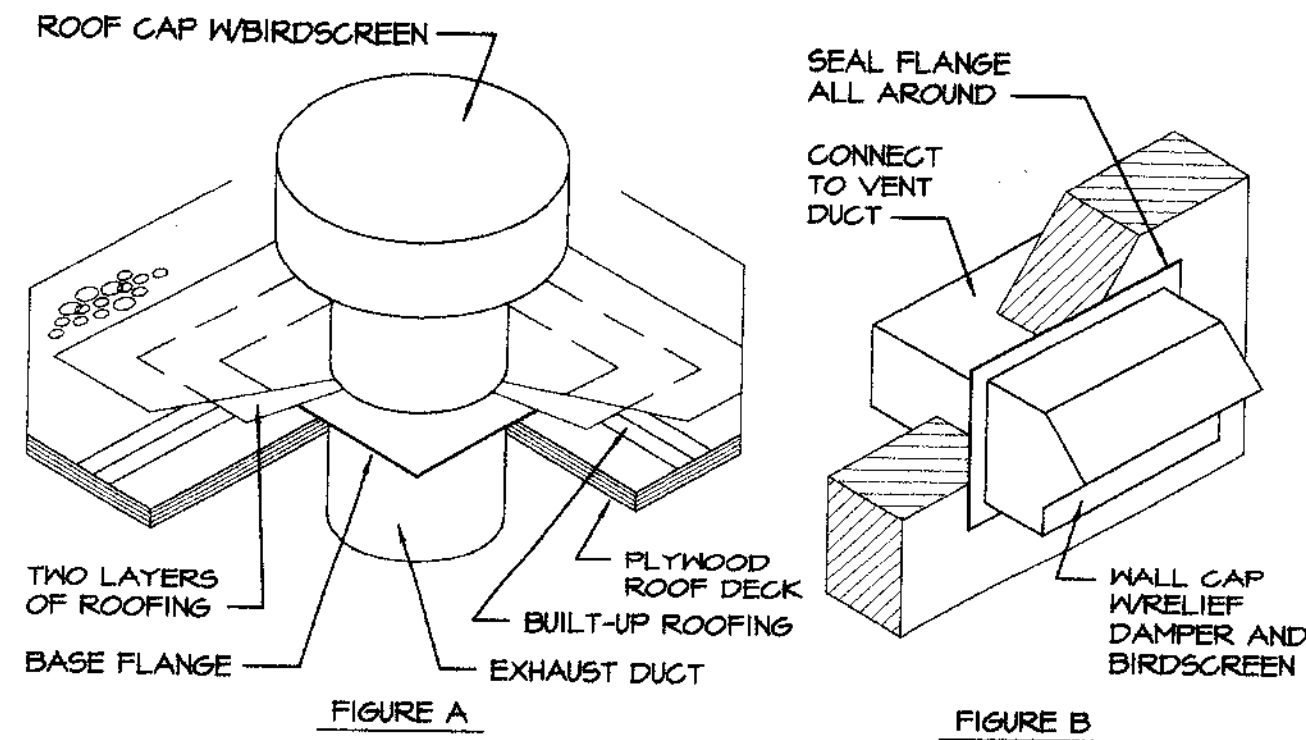
PLUMBING LEGEND, NOTES, CONNECTION + EQUIPMENT SCHEDULE
HOUSEHOLD HAZARDOUS WASTE FACILITY
 SAN JOAQUIN COUNTY

Job No: 01-847/155
 Drawn By: TS/JN/DB
 Checked By: JH/EM
 Date: JULY 3, 2002

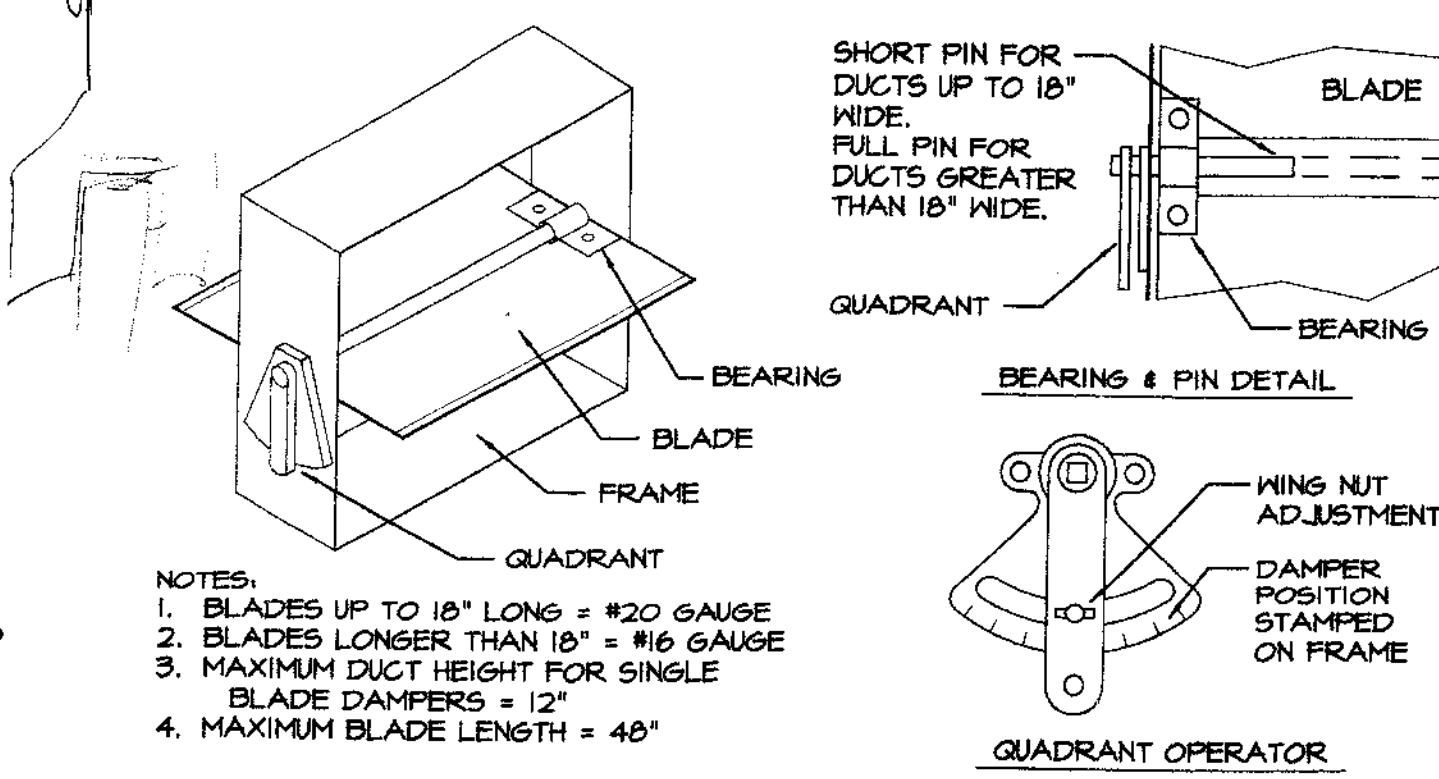
Revisions	By

Sheet Number
P1.1
 1 of 3

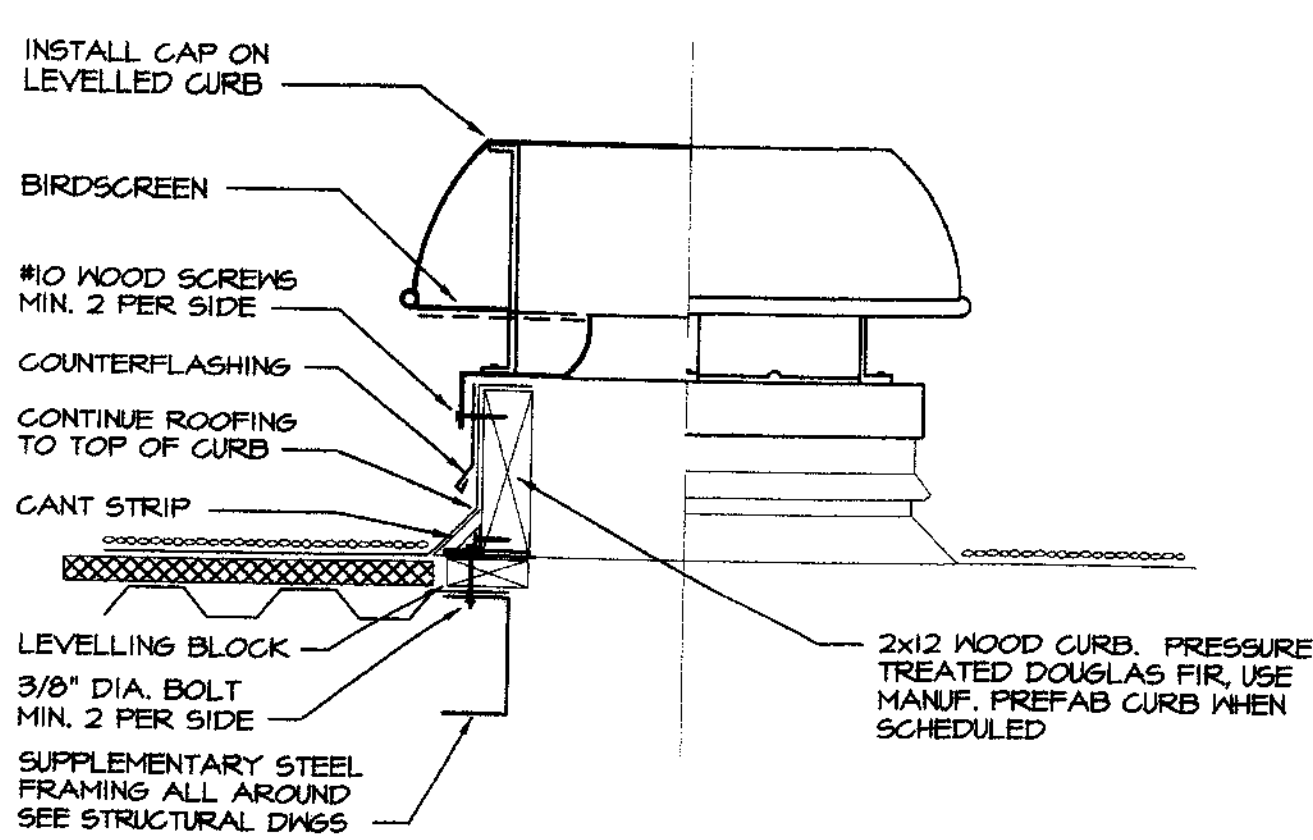
SU 3748



12 SMALL VENT CAPS
NOT TO SCALE



8 VOLUME DAMPER - RECTANGULAR
NOT TO SCALE



4 ROOF VENT CAP DETAIL
NOT TO SCALE

ROUND DUCTS WITH SINGLE POINT SUPPORTS

MAXIMUM DIAMETER	SUPPORT SPACING	HANGER ROD DIA.	STRAP # BAND	WIRE SIZE	FASTENER DIAMETER
10"	10'	1/4"	1"x22 GA.	#12 GA.	1/4"
20"	10'	1/4"	1"x20 GA.	N/A	1/4"

SEMI-FLEXIBLE ROUND ALUMINUM DUCTS (IF ALUMINUM DUCT IS SPECIFIED)

MAXIMUM DIAMETER	SUPPORT SPACING	HANGER ROD DIAMETER	STRAP # BAND SIZE	WIRE SIZE	FASTENER DIAMETER
10"	6'	1/4"	1"x22 GA.	#12 GA.	1/4"
20"	6'	1/4"	1"x22 GA.	N/A	1/4"

RECTANGULAR DUCTS WITH TWO POINT SUPPORTS

MAXIMUM SIDE DIMENSION	SUPPORT SPACING	HANGER ROD DIAMETER	HANGER STRAP SIZE	HORIZONTAL TRAPEZE ANGLE	HORIZONTAL TRAPEZE STRUT
30"	10'	1/4"	1"x8 GA.	1.5"x1.5"x1/8"	B-LINE B-12

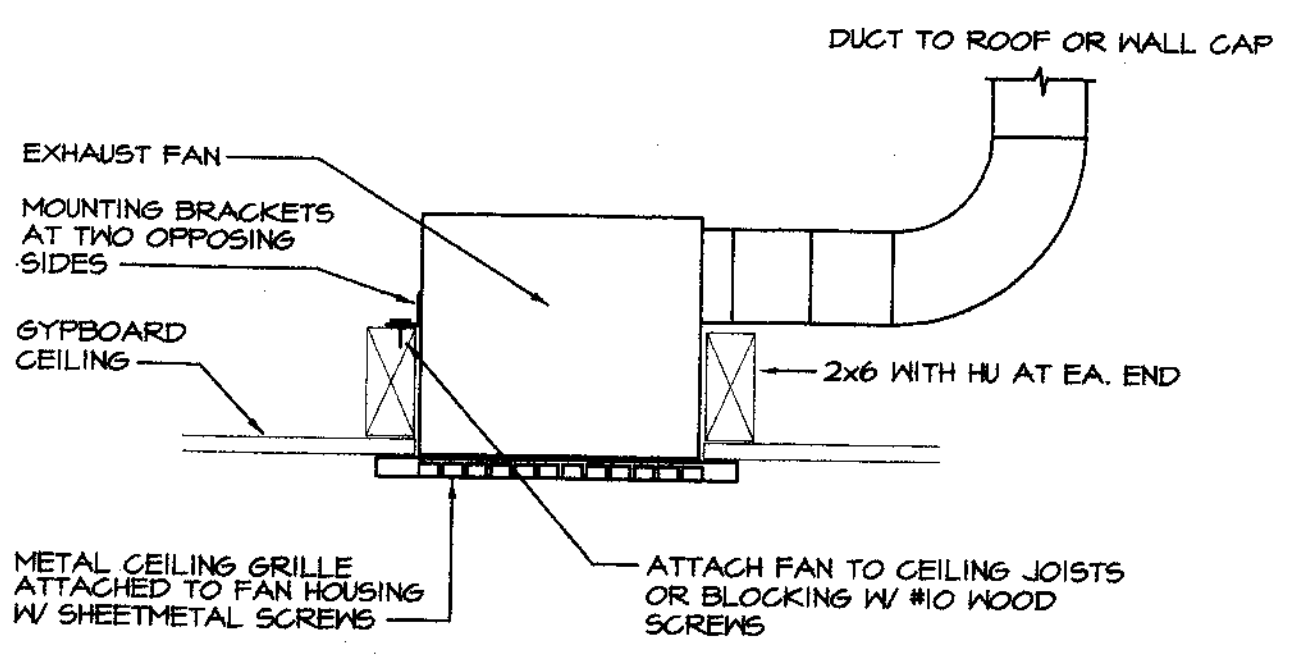
VERTICAL RECTANGULAR DUCTS

MAXIMUM SIDE DIMENSION	SUPPORT SPACING	STRAP OR ANGLE SIZE	LAG BOLT DIAMETER	EXPANSION ANCHOR DIAMETER
24"	12'	1"x1/8"	1/4"	1/4"
36"	12'	1"x1/8"	1/4"	1/4"

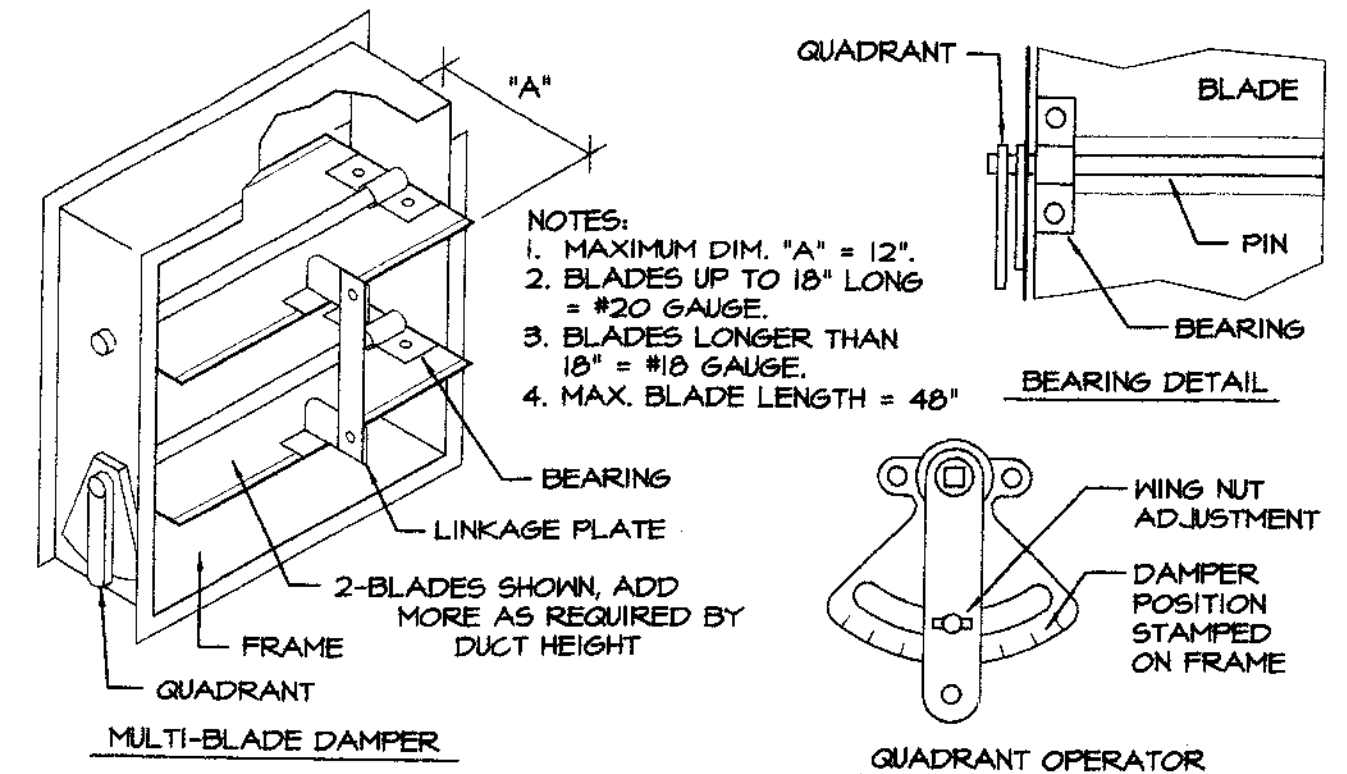
VERTICAL ROUND DUCTS

MAXIMUM DUCT DIAMETER	SUPPORT SPACING	STRAP SIZE	LAG BOLT DIAMETER	EXPANSION ANCHOR DIAMETER
10"	12'	2"x18 GA.	1/4"	1/4"
20"	12'	2"x16 GA.	1/4"	1/4"
40"	12'	1.5"x1/8"	1/4"	1/4"

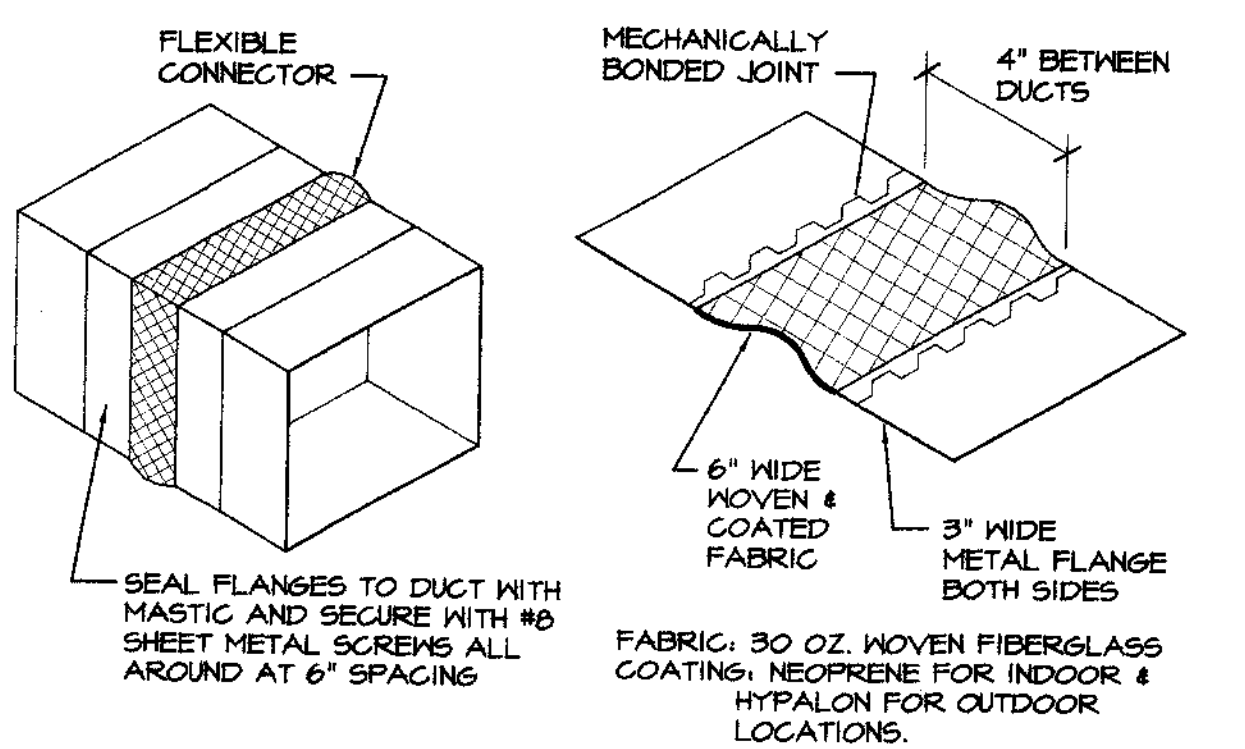
NOTE: CHOOSE ITEMS APPLICABLE TO THE METHOD OF SUPPORT



13 CEILING EXHAUST FAN DETAIL
NOT TO SCALE

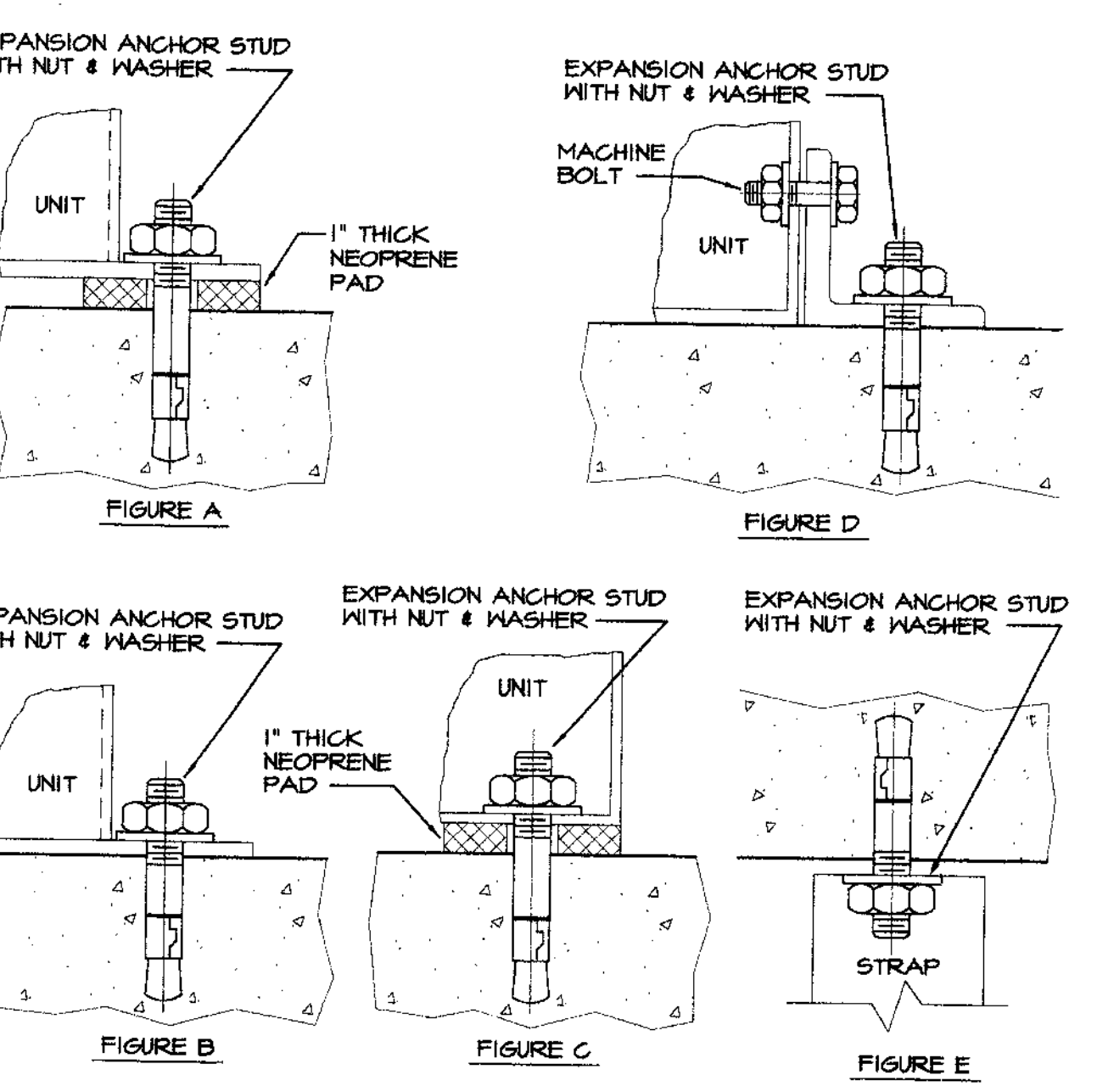


9 VOLUME DAMPER - MULTIPLE BLADE
NOT TO SCALE



5 FLEXIBLE DUCT CONNECTOR
NOT TO SCALE

1 DUCT HANGER SCHEDULES
NOT TO SCALE

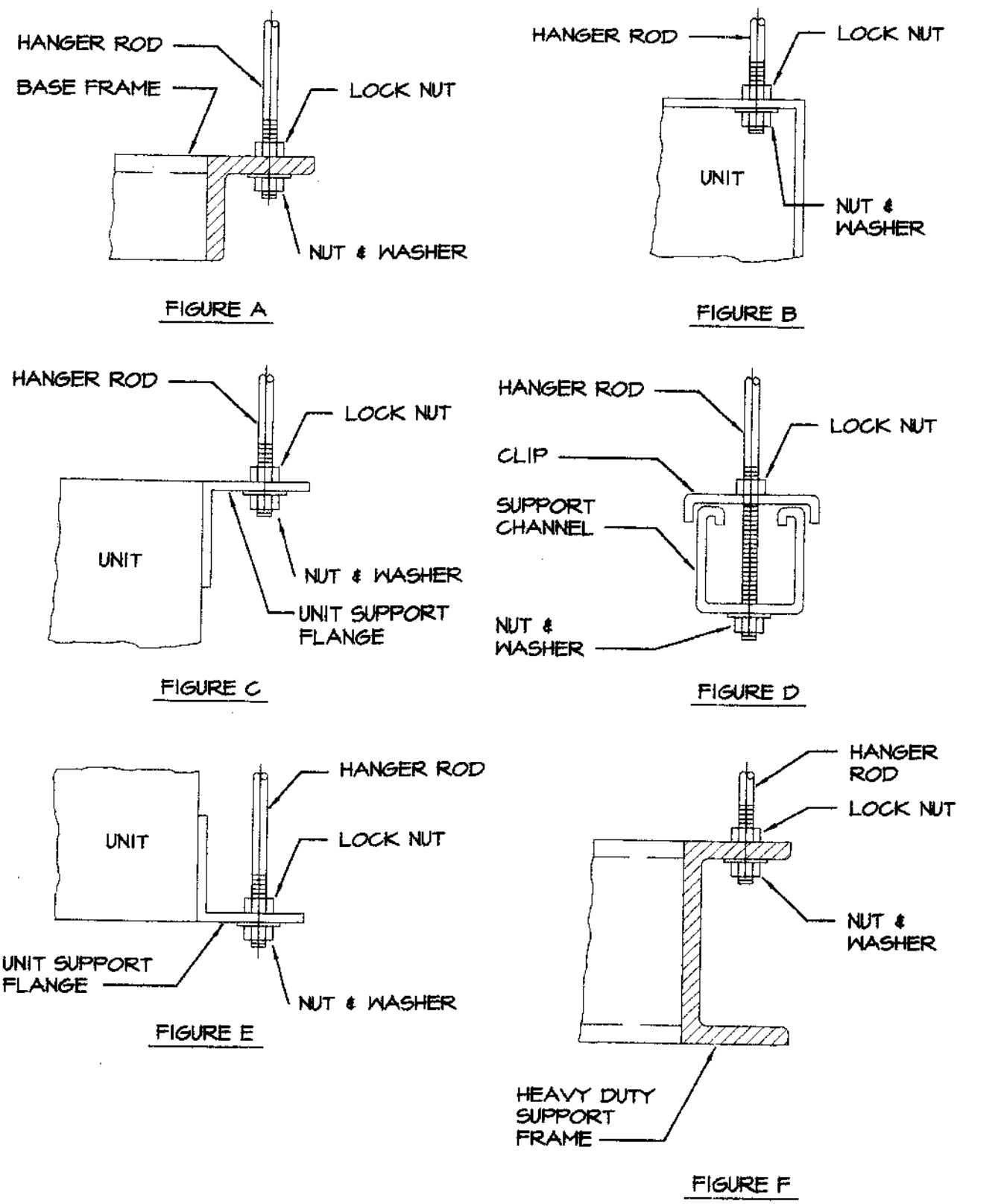


ANCHOR SCHEDULE

BOLT MIN. DIA.	MIN. EMBED.	ALLOWABLE SHEAR	ALLOWABLE TENSION	TENSION TEST TENSILE LOAD	TORQUE TEST VALUE
1/4"	1-1/8"	320#	240#	446#	10 FT-LB
3/8"	1-5/8"	780#	484#	968#	25 FT-LB

STRENGTH BASED ON HLTI KWIK-BOLT KB-II EXPANSION ANCHORS IN 3000 PSI LIGHTWEIGHT CONCRETE

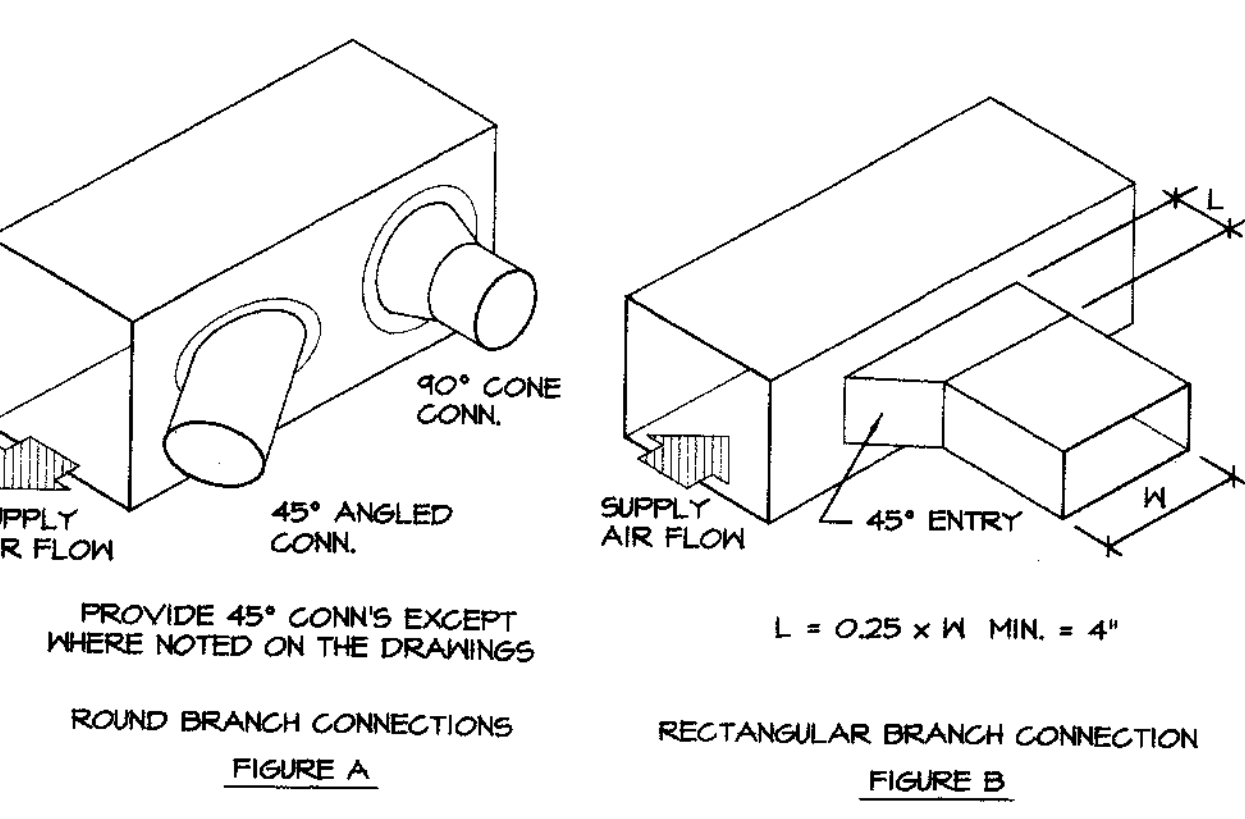
14 CONCRETE ANCHOR DETAILS
NOT TO SCALE



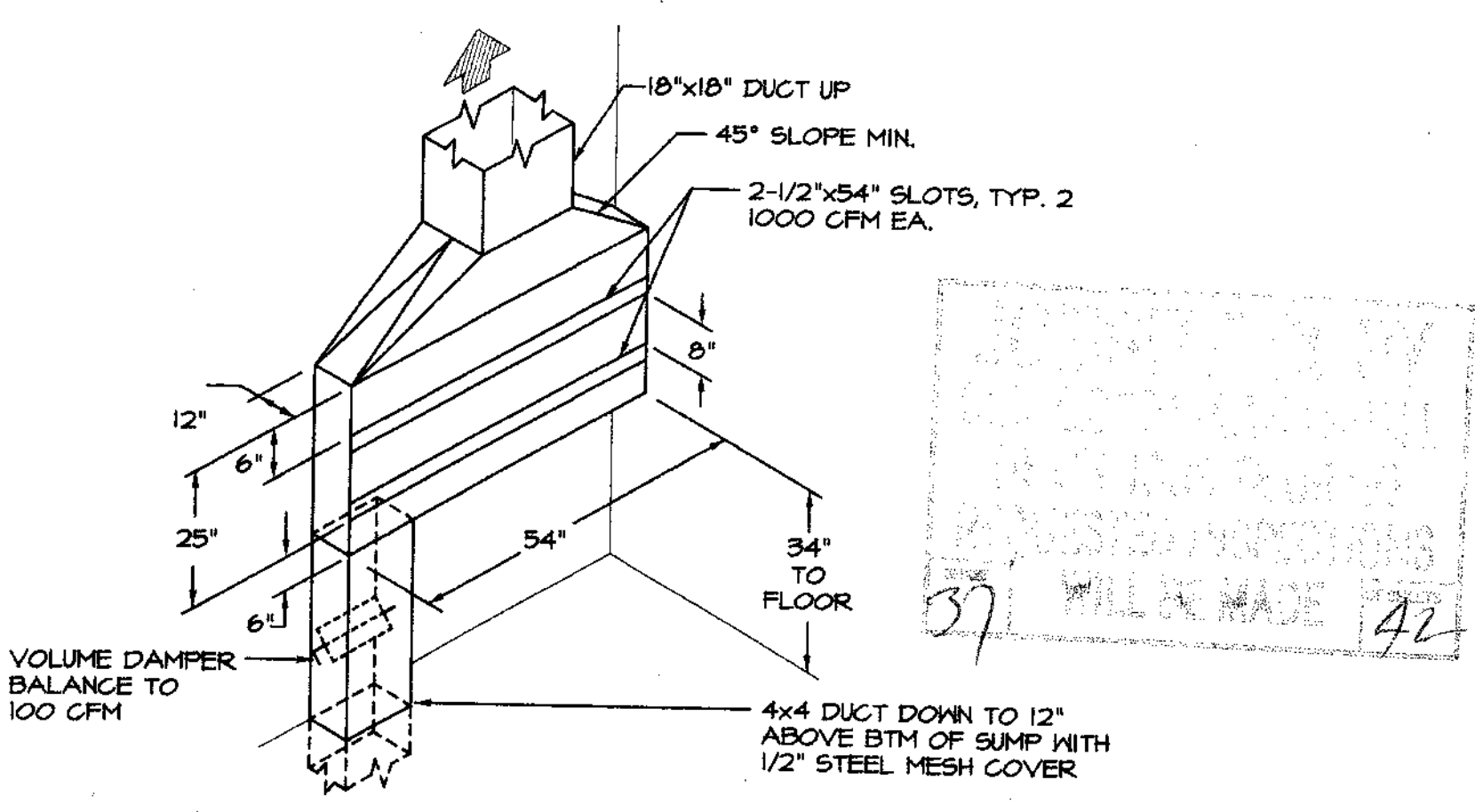
SUPPORT SCHEDULE

ROD DIAMETER	MAX. LOAD, LBS
1/4"	210

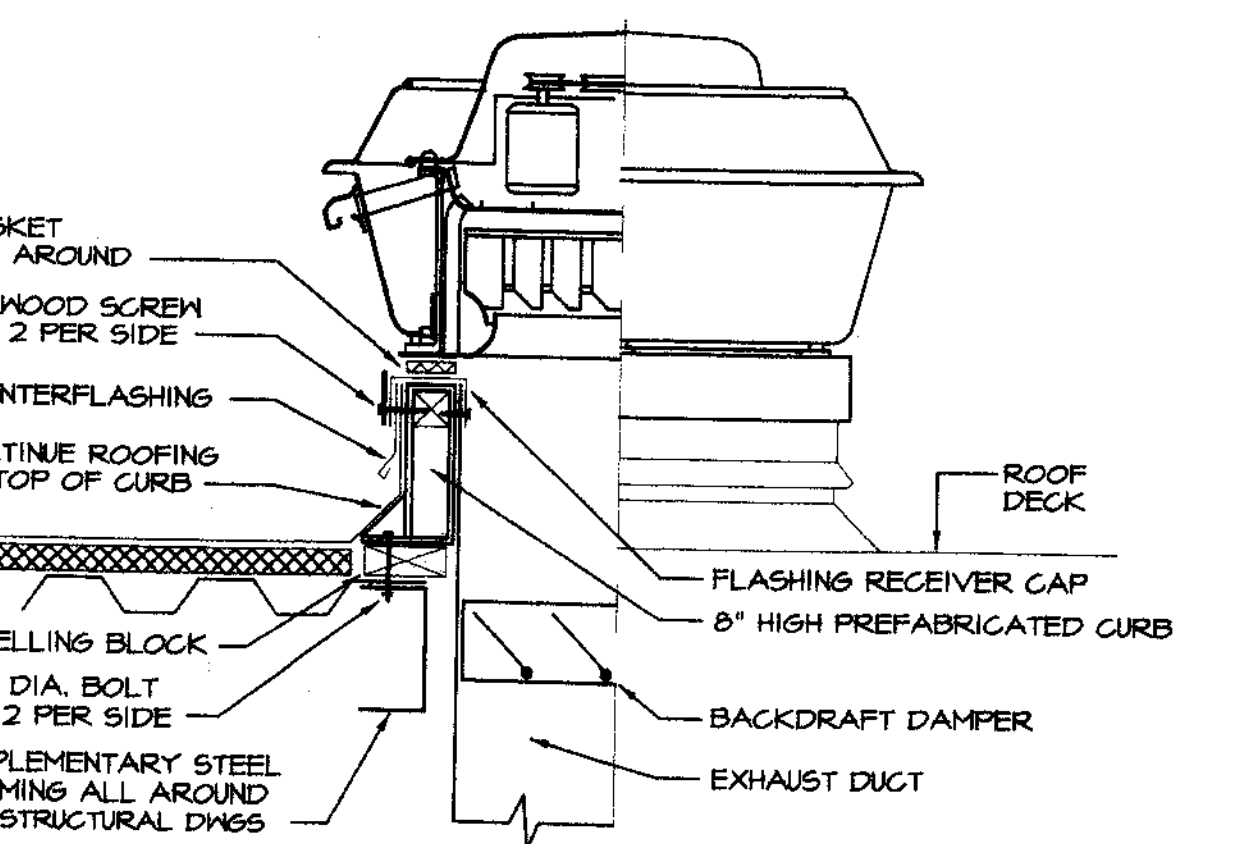
11 EQUIPMENT HANGER SUPPORTS
NOT TO SCALE



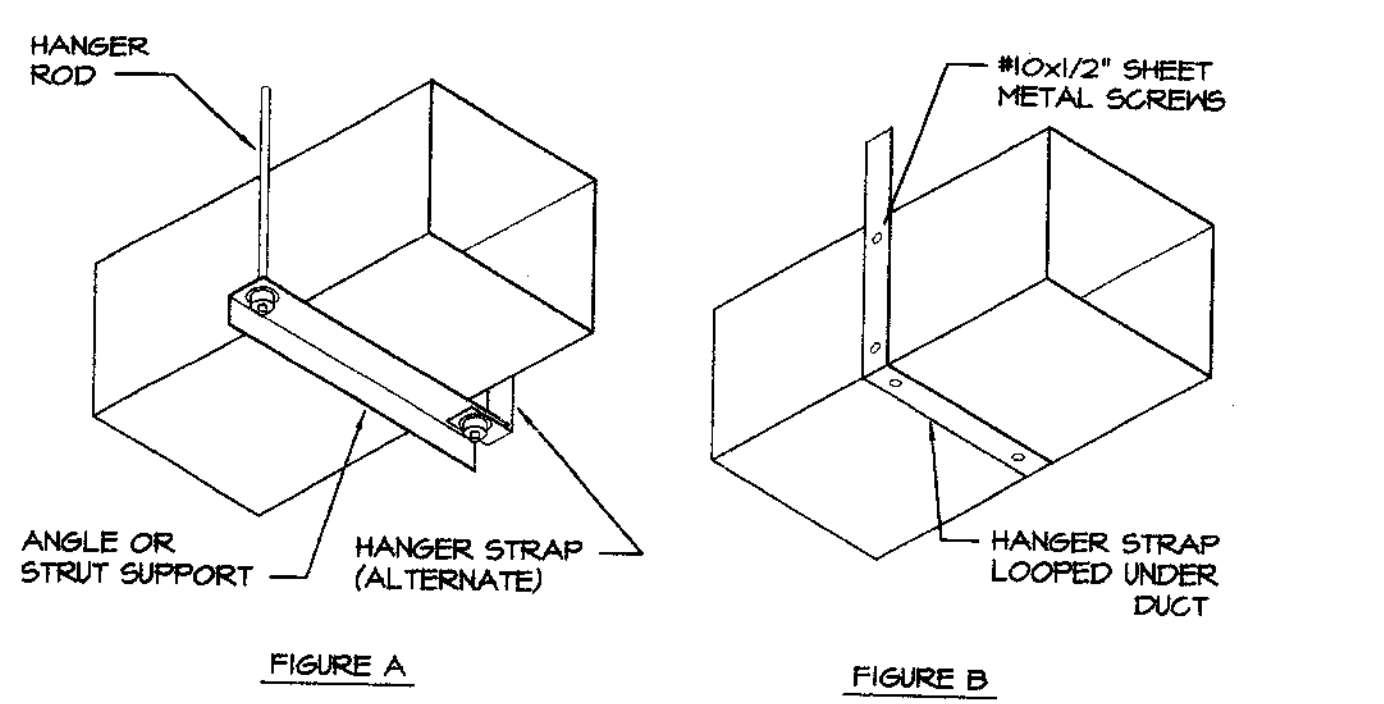
6 RECTANGULAR DUCT DETAILS
NOT TO SCALE



2 MIXING ROOM LAMINAR EXHAUST
NOT TO SCALE



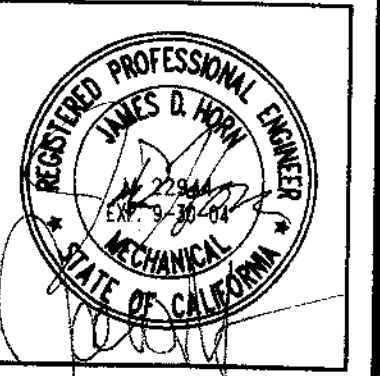
7 EXHAUST FAN DETAIL
NOT TO SCALE



3 RECTANGULAR DUCT SUPPORTS
NOT TO SCALE



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MECHANICAL DETAILS
HOUSEHOLD HAZARDOUS WASTE FACILITY
SAN JOAQUIN COUNTY

Job No: 01-847/155
Drawn By: TS/JN/DB
Checked By: JH/EM
Date: JULY 3, 2002

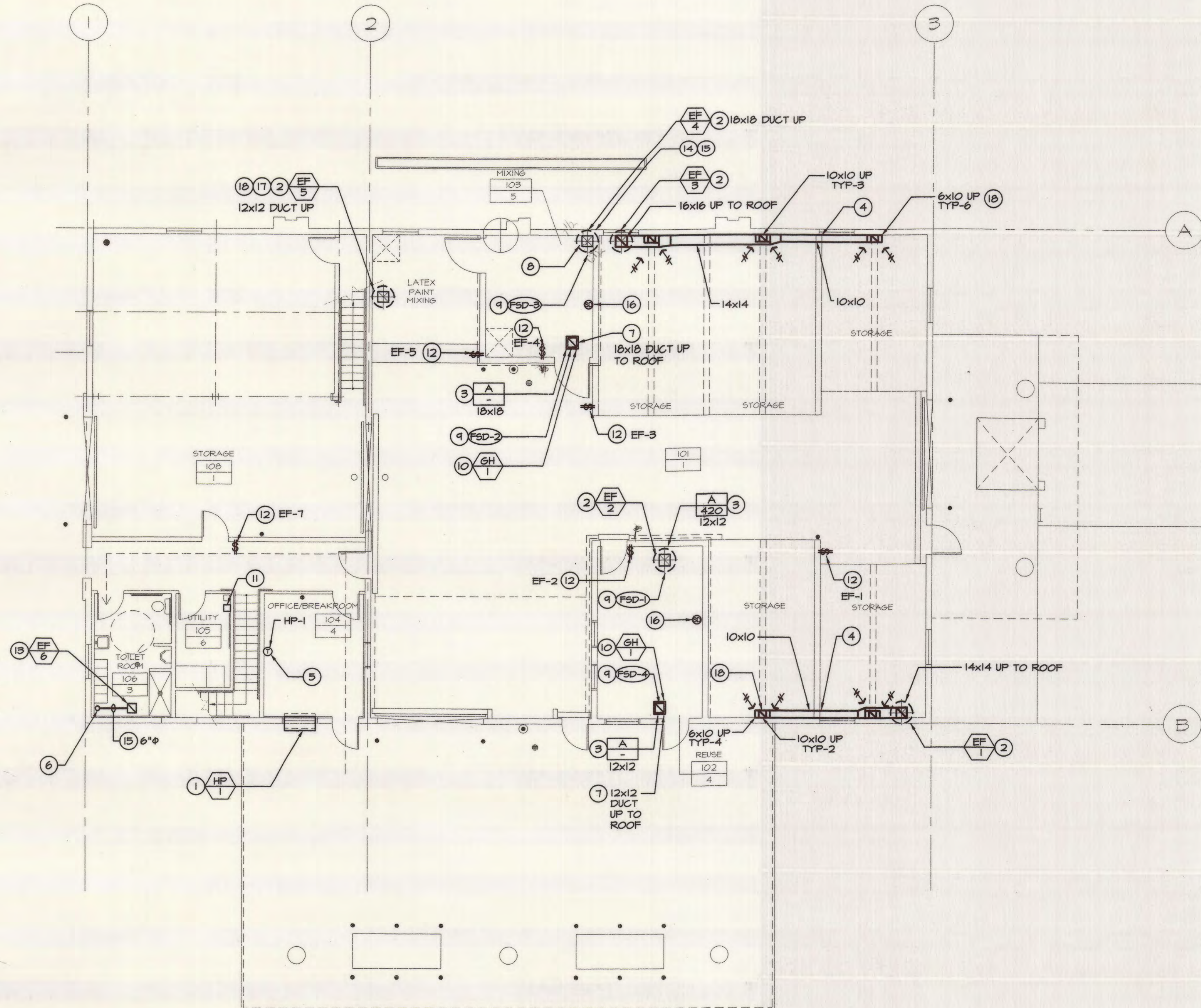
Revisions

By	Date	Description

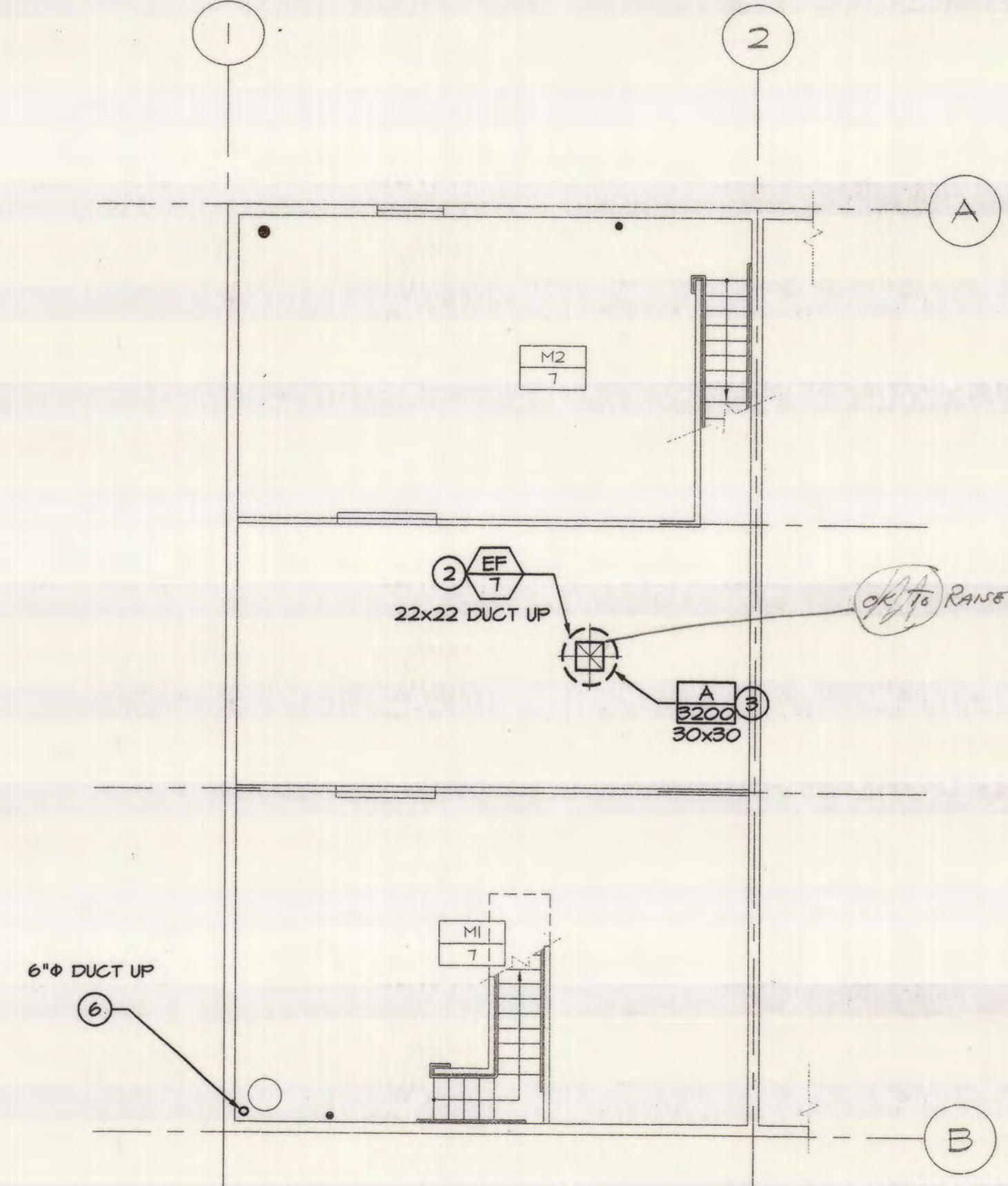
Sheet Number
M3.1
4 of 4

SU 3749

Revisions	By



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



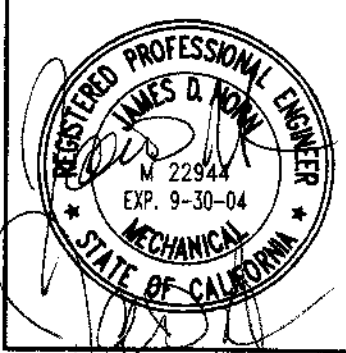
MEZZANINE FLOOR PLAN
SCALE: 1/8"=1'-0"

JOBSITE COPY
CORRECTED PLANS SHALL
BE ON JOBSITE OR NO
REQUESTED INSPECTIONS
WILL BE MADE

SHEET NOTES

- 1 FURNISH AND INSTALL PACKAGED TERMINAL HEAT PUMP UNIT BELOW WINDOW. COORDINATE WITH ELECTRICAL. TERMINATE CONDENSATE DRAIN AWAY FROM WALKWAY.
- 2 FURNISH AND INSTALL EXHAUST FAN ON ROOF. VERIFY CONNECTION SIZE AND TRANSITION DUCTWORK AS REQUIRED. COORDINATE WITH ELECTRICAL. SEE DETAIL 1/M3.1
- 3 FURNISH AND INSTALL EXHAUST AIR GRILLE AT CEILING. TRANSITION TO DUCT SIZE INDICATED. FURNISH AND INSTALL DUCTS BETWEEN EXHAUST FAN AND EXHAUST GRILLE.
- 4 MOUNT DUCT AS HIGH AS POSSIBLE. SEE DETAIL 1/M1.2.
- 5 FURNISH AND INSTALL PROGRAMMABLE THERMOSTAT W/FAN SWITCH 48" AFF. COORDINATE W/ ELECTRICAL TO PROVIDE CONDUIT.
- 6 FURNISH AND INSTALL EXHAUST DUCT UP THROUGH ROOF WITH CAP. COORDINATE WITH PLUMBING.
- 7 FURNISH AND INSTALL INTAKE DUCT THROUGH TO ROOF WITH CAP AND BIRDSCREEN. TRANSITION TO GRILLE SIZE.
- 8 FURNISH AND INSTALL NEW LAMINAR FLOW HOOD AT PAINT MIXING AREA. SEE DETAIL 2/M3.1
- 9 FURNISH AND INSTALL FIRE/SMOKE DAMPER AND SMOKE DETECTOR. COORDINATE WITH ELECTRICAL. CONNECT TO CENTRAL FIRE ALARM PANEL.
- 10 FURNISH AND INSTALL GRAVITY HOOD ABOVE FIRE/SMOKE DAMPER. SEE DETAIL 4/M3.1.
- 11 FURNISH AND INSTALL NEW TIME CLOCK AND CONNECTIONS IN CONDUIT TO EQUIPMENT. COORDINATE WITH ELECTRICAL.
- 12 FURNISH AND INSTALL OVERRIDE SWITCH AND CONNECTIONS IN CONDUIT TO EQUIPMENT AND TIME CLOCK. COORDINATE WITH ELECTRICAL.
- 13 FURNISH AND INSTALL CABINET EXHAUST FAN IN CEILING WITH CONNECTING DUCTWORK AND ROOF CAP.
- 14 FURNISH AND INSTALL DUCT DOWN TO LAMINAR EXHAUST.
- 15 FURNISH AND INSTALL ALUMINUM DUCT AS SPECIFIED, FITTED TOWARDS ALUMINUM REGISTER AND DAMPER FOR DRAINAGE.
- 16 FURNISH AND INSTALL SMOKE DETECTOR IN ROOM. CONNECT TO OPERATE FIRE/SMOKE DAMPERS AND CONNECT TO CENTRAL FIRE PANE.
- 17 FURNISH AND INSTALL DUCT TIGHT TO WALL. TERMINATE INLET 12" AFF. VERIFY LOCATION.
- 18 SCREEN ALL DUCT OPENINGS WITH 1/2" GALVANIZED STEEL MESH, TYP.

SU 3750

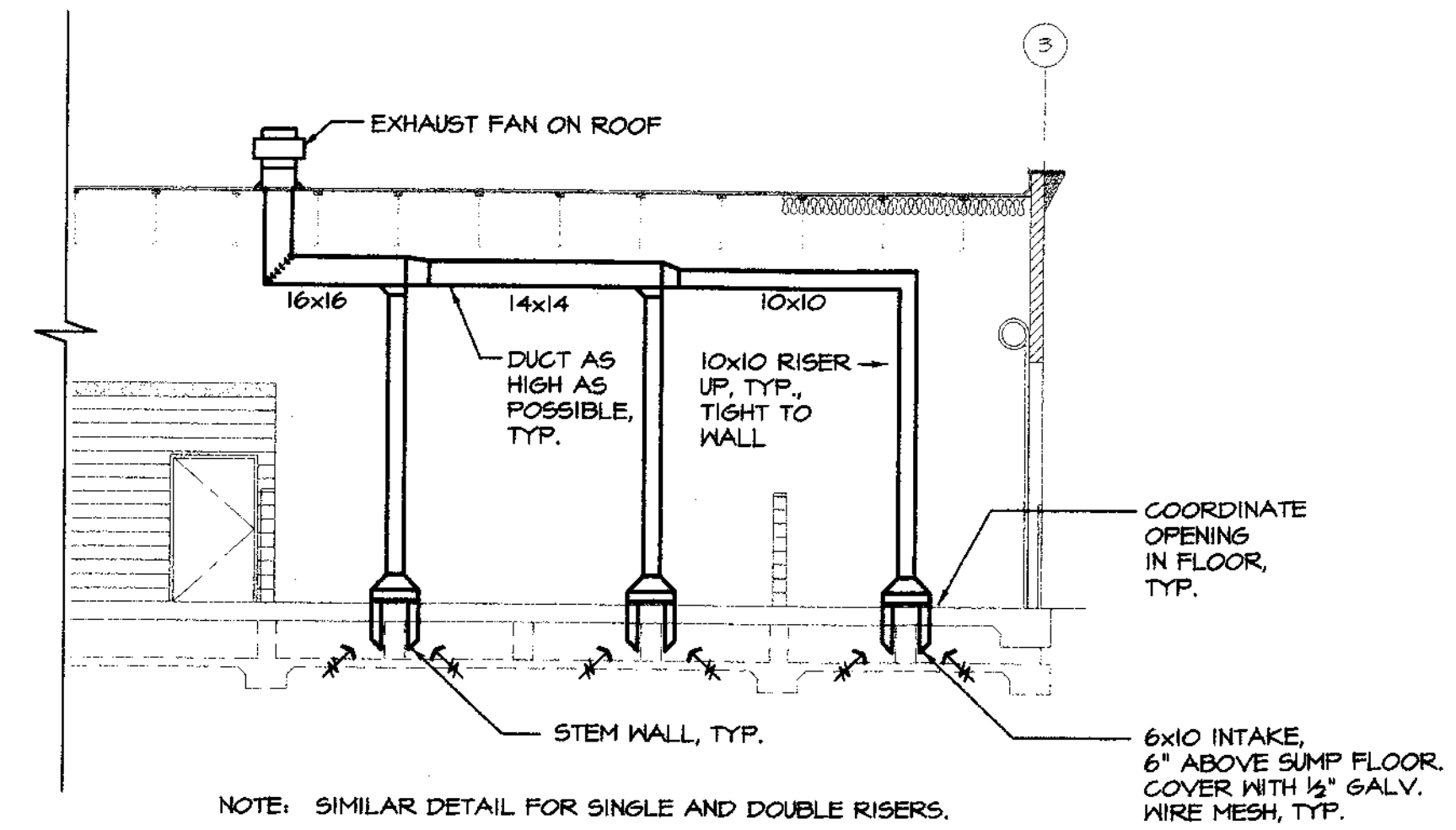


Revisions	By

EXHAUST FAN SCHEDULE

TAG	MAKE & MODEL	AIR FLOW CFM	ESP INS. W.C.	FAN SPEED RPM	BHP	SONES	ELECTRICAL		OPER. WEIGHT LBS.	NOTES
							V/PHZ	HP WATTS		
EF 1	LOREN COOK 185 AGRUB	900	0.375	884	0.107	5.2	120/1/60	1/4	100	1, 3, 4, 5, 7, 8
EF 2	LOREN COOK 120 AGRUB	420	0.375	1233	0.066	6.1	120/1/60	1/4	75	1, 2, 3, 4, 5, 7, 8
EF 3	LOREN COOK 185 AGRUB	1350	0.375	1084	0.143	4.1	120/1/60	1/4	100	1, 3, 4, 5, 7, 8
EF 4	LOREN COOK 145 AGRUB	2100	0.375	632	0.235	5.6	120/1/60	1/4	150	1, 3, 4, 5, 7, 9
EF 5	LOREN COOK 120 AGRUB	700	0.375	1554	0.132	4.4	120/1/60	1/4	75	1, 3, 4, 5, 7, 8
EF 6	LOREN COOK 6C-120	375	0.375	1014	-	3.3	120/1/60	-	50	1, 3, 6, 10
EF 7	LOREN COOK 145 AGRUB	3200	0.375	745	0.476	4.6	120/1/60	1/2	150	1, 3, 4, 5, 7, 8

- NOTES:
 1. BIRDSCREEN
 2. REDUCE WHEEL PER FACTORY
 3. BACKDRAFT DAMPER
 4. ADJUSTABLE SPEED BELT DRIVE
 5. 12" HIGH PREFABRICATED ROOF CURB
 6. DIRECT DRIVE MOTOR W/SPEED CONTROL AT FAN
 7. FUSED DISCONNECT SWITCH
 8. EXPLOSION-PROOF CLASS I, DIVISION 2 FAN MOTOR
 9. EXPLOSION-PROOF CLASS I, DIVISION 1 FAN MOTOR
 10. FURNISH AND INSTALL CONNECTING DUCTWORK AND ROOF CAP



1 DUCT RISER DETAIL
NOT TO SCALE

PACKAGED HEAT PUMP UNIT SCHEDULE

TAG	MAKE & MODEL	SUPPLY FAN			COOLING			HEATING			ELECTRICAL			OPER. WEIGHT LBS.	MIN. O.A. CFM	NOTES	
		AIR FLOW CFM	ESP INS. W.C.	BHP	TOTAL MBH	SENS. MBH	SEER	HI-TEMP MBH	LO-TEMP MBH	COP	V/PHZ	FLA	MCA				MOCP
HP 1	TRANE PTHC 071 EB	240	-	-	7,000	5,250	11.5	8,200	6,200	3.3	240/1/60	10.2	14.2	15	100	65	1, 2, 3, 4

- NOTES:
 1. COOLING & HEATING CAPACITY BASED ON ARI STANDARD CONDITIONS
 2. SUPPLY GRILLE & RETURN FILTER GRILLE WITH FILTER
 3. ELECTRIC STRIP HEAT, 2.5 KW
 4. AUTO HEAT/COOL THERMOSTAT - HONEYWELL T861161004 WITH LOCKING METAL COVER

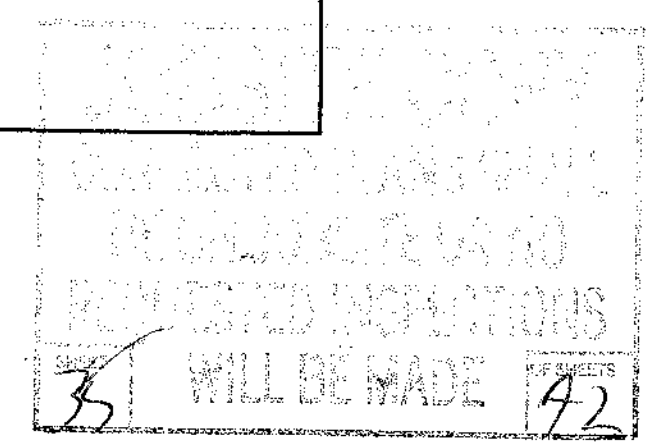
AIR OUTLET SCHEDULE

TAG	MAKE & MODEL	SERVICE	SIZE		FRAME TYPE	NOTES
			CFM RANGE	NECK SIZE		
A -	PRICE BID	EGGCRATE EXHAUST REGISTER	SIZE AS SHOWN ON DRAWING	SIZE AS SHOWN ON DRAWING	BORDER TYPE 1	1, 2, 3

- NOTES:
 1. OPPOSED BLADE DAMPER IN NECK IN CONSTRUCTION WITH NO ACCESS TO VOLUME DAMPER
 2. STANDARD WHITE FINISH
 3. USE ALL ALUMINUM CONSTRUCTION IN SHOWER ROOM, INCLUDING DAMPER

MISCELLANEOUS EQUIPMENT

TAG	DESCRIPTION
FSD 1	FIRE/SMOKE DAMPER POTTORFF MODEL FSD-142 120VAC, FACTORY WIRED
FSD 2	FIRE/SMOKE DAMPER POTTORFF MODEL FSD-142 120VAC, FACTORY WIRED
FSD 3	FIRE/SMOKE DAMPER POTTORFF MODEL FSD-142 120VAC, FACTORY WIRED
FSD 4	FIRE/SMOKE DAMPER POTTORFF MODEL FSD-142 120VAC, FACTORY WIRED
GH 1	COOK MODEL PR-16 GRAVITY HOOD WITH ROOF CURB



54 3751

TITLE-24 MANDATORY MEASURES CHECK LIST

EQUIPMENT AND SYSTEMS EFFICIENCY

ANY APPLIANCE FOR WHICH THERE IS A CALIFORNIA STANDARD ESTABLISHED IN THE APPLIANCE EFFICIENCY STANDARDS MAY BE INSTALLED ONLY IF THE MANUFACTURER HAS CERTIFIED TO THE COMMISSION, AS SPECIFIED IN THOSE REGULATIONS, THAT THE APPLIANCE COMPLIES WITH THE APPLICABLE STANDARD FOR THAT APPLIANCE.

PIPING, EXCEPT THOSE CONVEYING FLUIDS AT TEMPERATURES BETWEEN 60°F AND 105°F, OR WITHIN HVAC EQUIPMENT, SHALL BE INSULATED IN ACCORDANCE WITH STANDARDS SECTION 123.

AIR HANDLING DUCT SYSTEMS SHALL BE CONSTRUCTED, INSTALLED, SEALED, AND INSULATED AS PROVIDED IN CHAPTER 6 OF THE CALIFORNIA MECHANICAL CODE.

CONTROLS

EACH SPACE CONDITIONING SYSTEM SHALL BE INSTALLED WITH AN AUTOMATIC TIME SWITCH WITH AN ACCESSIBLE MANUAL OVERRIDE THAT ALLOWS THE OPERATION OF THE SYSTEM DURING OFF-HOURS FOR UP TO 4 HOURS. THE TIME SWITCH SHALL BE CAPABLE OF PROGRAMMING DIFFERENT SCHEDULES FOR WEEKDAYS AND WEEKENDS; INCORPORATE AN AUTOMATIC HOLIDAY "SHUT-OFF" FEATURE THAT TURNS OFF ALL LOADS FOR AT LEAST 24 HOURS, THEN RESUMES THE NORMALLY SCHEDULED OPERATIONS; AND HAS PROGRAM BACKUP CAPABILITIES THAT PREVENT THE LOSS OF THE DEVICES PROGRAM AND TIME SETTING FOR AT LEAST 10 HOURS IF POWER IS INTERRUPTED.

EACH SPACE CONDITIONING SYSTEM SHALL BE INSTALLED WITH CONTROLS TO TEMPORARILY RESTART AND TEMPORARILY OPERATE THE SYSTEM AS REQUIRED TO MAINTAIN A SETBACK HEATING THERMOSTAT SETPOINT.

EACH SPACE CONDITIONING ZONE SHALL BE CONTROLLED BY AN INDIVIDUAL THERMOSTATIC CONTROL THAT RESPONDS TO TEMPERATURE WITHIN THE ZONE. WHERE USED TO CONTROL HEATING, THE CONTROL SHALL BE ADJUSTABLE DOWN TO 55°F OR LOWER. FOR COOLING, THE CONTROL SHALL BE ADJUSTABLE UP TO 85°F OR HIGHER. WHERE USED TO CONTROL BOTH HEATING AND COOLING, THE CONTROL SHALL BE CAPABLE OF PROVIDING A DEAD BAND OF AT LEAST 5°F WITHIN WHICH THE SUPPLY OF HEATING AND COOLING IS SHUT OFF OR REDUCED TO A MINIMUM.

THERMOSTATS SHALL HAVE NUMERIC SETPOINTS IN °F.

THERMOSTATS SHALL HAVE ADJUSTABLE SETPOINT STOPS ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL.

VENTILATION

CONTROLS SHALL BE PROVIDED TO ALLOW OUTSIDE AIR DAMPERS OR DEVICES TO BE OPERATED AT THE VENTILATION RATES AS SPECIFIED IN THESE PLANS.

GRAVITY OR AUTOMATIC DAMPERS INTERLOCKED AND CLOSED ON FAN SHUTDOWN SHALL BE PROVIDED ON THE OUTSIDE AIR INTAKES AND DISCHARGES OF ALL SPACE CONDITIONING AND EXHAUST SYSTEMS.

ALL GRAVITY VENTILATING SYSTEMS SHALL BE PROVIDED WITH AUTOMATIC OR READILY ACCESSIBLE MANUALLY OPERATED DAMPERS IN ALL OPENINGS TO THE OUTSIDE, EXCEPT FOR COMBUSTION AIR OPENINGS.

AIR BALANCING: ALL SPACE CONDITIONING AND VENTILATION SYSTEMS SHALL BE BALANCED TO THE QUANTITIES SPECIFIED IN THESE PLANS, IN ACCORDANCE WITH THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB) PROCEDURAL STANDARDS (1983), OR ASSOCIATED AIR BALANCE COUNCIL (AABC) NATIONAL STANDARDS (1986).

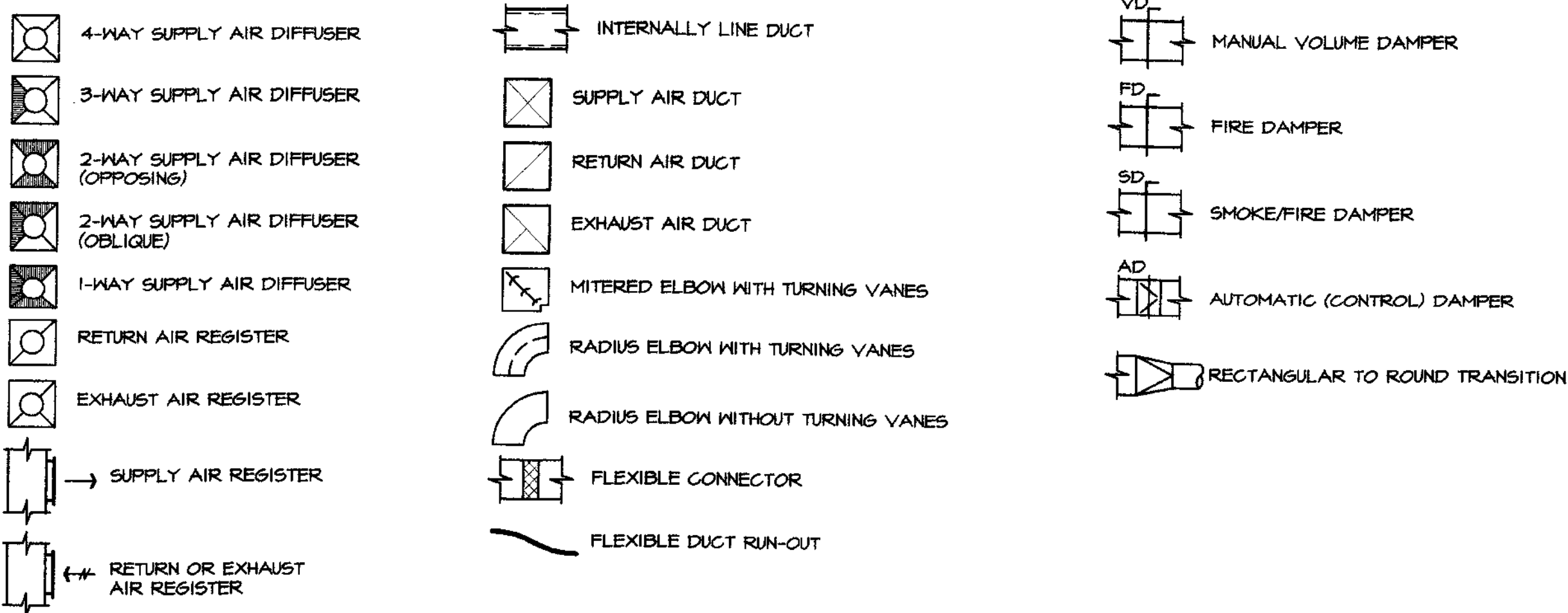
HEAT PUMPS

ALL CENTRAL AIR CONDITIONING HEAT PUMPS SHALL COMPLY WITH THE APPLICABLE EFFICIENCY STANDARDS, EXCEPT THAT CENTRAL AIR CONDITIONING HEAT PUMPS WITH COOLING CAPACITY OF 100,000 BTU/HR OR MORE APPLY TO HEATING PERFORMANCE BUT NOT COOLING PERFORMANCE.

HEAT PUMPS SHALL BE INSTALLED WITH CONTROLS TO PREVENT ELECTRIC RESISTANCE SUPPLEMENTARY HEATER OPERATION WHEN THE HEATING LOAD CAN BE MET BY THE HEAT PUMP ALONE. ELECTRIC RESISTANCE SUPPLEMENTARY HEATER OPERATION IS PERMITTED DURING TRANSIENT PERIODS, SUCH AS START-UPS AND FOLLOWING ROOM THERMOSTAT SETPOINT ADVANCE, WHEN CONTROLS ARE PROVIDED WHICH USE PREFERENTIAL RATE CONTROL, INTELLIGENT RECOVERY, STAGING, RAMPING, OR SIMILAR CONTROL MECHANISMS DESIGNED TO PRECLUDE THE UNNECESSARY OPERATION OF SUPPLEMENTARY HEATING DURING THE RECOVERY PERIOD. SUPPLEMENTARY HEATER OPERATION IS ALSO PERMITTED DURING DEFROST.

DUCTWORK LEGEND

NOT ALL OF THESE SYMBOLS MAY NECESSARILY APPEAR ON THE DRAWINGS.



GENERAL HVAC ABBREVIATIONS

NOT ALL OF THESE ABBREVIATIONS MAY NECESSARILY APPEAR ON THE DRAWINGS.

AD	ACCESS DOOR	EMS	ENERGY MANAGEMENT SYSTEM	PD	PRESSURE DROP
AFC	ABOVE FINISHED CEILING	ESP	EXTERNAL STATIC PRESSURE	PSI	POUNDS PER SQUARE INCH (GAUGE)
AFF	ABOVE FINISHED FLOOR	EHT	ENTERING WATER TEMPERATURE, °F	RA	RETURN AIR / RETURN AIR DUCT
AFG	ABOVE FINISHED GRADE	*F	DEGREES FAHRENHEIT	RL	REFRIGERANT PIPING LIQUID LINE
AL	ACOUSTICAL LINING	FBO	FURNISHED BY OTHERS	RS	REFRIGERANT PIPING SUCTION (VAPOR) LINE
BDD	BACKDRAFT DAMPER	FD	FIRE DAMPER	S	SWITCH
BF	BELOW FLOOR	FLA	FULL LOAD AMPERES	SA	SUPPLY AIR / SUPPLY AIR DUCT
BHP	BRAKE HORSEPOWER	FSD	FIRE/SMOKE DAMPER	SAD	SEE ARCHITECTURAL DRAWINGS
BP	BYPASS DAMPER	FT	FEET	SD	SMOKE DETECTOR
BTUH	BRITISH THERMAL UNITS PER HOUR	GC	GENERAL CONTRACTOR	SED	SEE ELECTRICAL DRAWINGS
CD	CONDENSATE DRAIN	GPM	GALLONS PER MINUTE	SP	STATIC PRESSURE
CFM	CUBIC FEET PER MINUTE	HP	HORSEPOWER	SPD	SEE PLUMBING DRAWINGS
CHWR	CHILLED WATER RETURN	HWR	HOT WATER RETURN	SQ FT	SQUARE FEET
CHWS	CHILLED WATER SUPPLY	HWS	HOT WATER SUPPLY	SSD	SEE STRUCTURAL DRAWINGS
CSFM	CALIF. STATE FIRE MARSHALL	INS	INCHES	STM	STEAM
CR	CONDENSATE RETURN	LAT	LEAVING AIR TEMPERATURE	TC	TIMECLOCK
Cv	FLOW COEFFICIENT	LBS	WEIGHT IN POUNDS	TCP	TEMPERATURE CONTROL PANEL
CW	COLD WATER	LWT	LEAVING WATER TEMPERATURE, °F	TSP	TOTAL STATIC PRESSURE
CWR	CONDENSER WATER RETURN	MAX	MAXIMUM	TYP	TYPICAL
CWS	CONDENSER WATER SUPPLY	MBH	THOUSANDS OF BTUS PER HOUR	UON	UNLESS OTHERWISE NOTED
DB	DRY BULB TEMPERATURE, °F	MCA	MINIMUM CIRCUIT AMPERES	V/PH/Hz	VOLTS / PHASE / HERTZ
DDC	DIRECT DIGITAL CONTROL	MFR	MANUFACTURER	VD	VOLUME DAMPER
DIA	DIAMETER IN INCHES	MIN	MINIMUM	W	WITH
DN	DOWN	MOCOP	MAXIMUM OVER CURRENT PROTECTION	W/O	WITHOUT
(E)	EXISTING	(N)	NEW	WC	WATER COLUMN
EA	EXHAUST AIR / EXHAUST AIR DUCT	N/A	NOT APPLICABLE	WB	WET BULB TEMPERATURE, °F
EAT	ENTERING AIR TEMPERATURE, °F	NIC	NOT IN CONTRACT	WT	WEIGHT
EC	ELECTRICAL CONTRACTOR	OA	OUTSIDE AIR / OUTSIDE AIR DUCT	Ø	DIAMETER IN INCHES
EFF	EFFICIENCY	OBD	OPPOSED BLADE DAMPER		

MISCELLANEOUS SYMBOLS

	AIR TERMINAL TYPE (SEE SCHEDULE)
	AIR FLOW, CFM
	NECK SIZE (IF ABSENT - SEE SCHEDULE)
	UNIT TYPE
	UNIT NUMBER
	DETAIL NUMBER (WITH OPTIONAL FIGURE LETTER)
	DRAWING REFERENCE NUMBER
	SHEET NOTE - NEW & RENOVATION WORK
	SHEET NOTE - DEMOLITION WORK
	THERMOSTAT - MOUNTED 48" ABOVE FINISHED FLOOR

HVAC GENERAL NOTES

- PROVIDE ALL EQUIPMENT, FIXTURES AND MATERIALS REQUIRED TO COMPLETE AND MAKE OPERATIONAL THE MECHANICAL SYSTEMS SHOWN ON THESE DRAWINGS AND DESCRIBED IN DIVISION-15 OF THE SPECIFICATIONS.
- PRODUCT MANUFACTURER'S NAMES AND MODEL NUMBERS ARE SHOWN ON THE DRAWINGS TO ESTABLISH A BASIS OF DESIGN AND A STANDARD OF QUALITY AND PERFORMANCE. SUBSTITUTIONS MAY BE PROPOSED IN ACCORDANCE WITH THE REQUIREMENTS LISTED IN DIVISION 15 SPECIFICATION SECTIONS.
- THE MECHANICAL WORK SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES AND REGULATIONS.
- THE DRAWINGS ARE DIAGRAMMATIC. INSTALL EQUIPMENT, DUCTWORK AND PIPING TO SUIT PROJECT CONDITIONS.
- REFER TO THE CERTIFIED SHOP DRAWINGS FOR THE EXACT DIMENSIONS OF ALL EQUIPMENT.
- FASTEN ALL EQUIPMENT, DUCTWORK AND PIPING TO THE BUILDING STRUCTURE IN CONFORMANCE WITH ALL CODES AND REGULATIONS.
- A DUCT CONNECTED TO A ROUND NECK SUPPLY OR RETURN DIFFUSER SHALL NOT BE SMALLER IN DIAMETER THAN THE NECK OF THE DIFFUSER IT SERVES.
- ALL SQUARE DUCT ELBOWS SHALL BE EQUIPPED WITH DOUBLE THICKNESS TURNING VANES.
- PROVIDE VOLUME DAMPERS AT ALL BRANCH TAKE-OFFS TO AIR TERMINALS IN SUPPLY AND RETURN DUCTWORK AND WHERE SHOWN ON THE FLOOR PLANS.
- PROVIDE DUCT LINING WHERE SPECIFIED OR NOTED ON THE PLANS. INCREASE THE SIZE OF THE DUCT TO MAINTAIN THE NET INTERNAL FREE AREA.
- FLUE VENTS AND EXHAUST AIR DISCHARGE OPENINGS SHALL BE LOCATED AT LEAST 10' AWAY FROM OR 3' ABOVE OUTDOOR AIR INTAKE OPENINGS. COORDINATE FOR PLUMBING VENTS TO BE 10' AWAY FROM AIR INTAKE OPENINGS.
- WHERE A DETAIL IS REFERENCED, REFER TO THE DETAIL AND FIGURE NOTED. SOME DETAILS ARE UNREFERENCED AND ARE INTENDED AS STANDARD CONSTRUCTION REQUIREMENTS.

SEISMIC RESTRAINT NOTES

GENERAL

ALL MECHANICAL COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA BUILDING CODE (1998), SECTION 1632 - "LATERAL FORCE ON ELEMENTS OF STRUCTURES, NON-STRUCTURAL COMPONENTS AND EQUIPMENT SUPPORTED BY STRUCTURES."

ALL MECHANICAL COMPONENTS SHALL RESIST THE EFFECTS OF SEISMIC FORCES FOR ZONE 4 AND AS MODIFIED BY THE NEAR SOURCE FACTOR.

HVAC DUCTWORK AND PIPING SYSTEMS

ALL PIPES AND DUCTS SHALL BE BRACED AS REQUIRED BY CBC SECTION 1632. DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH PROVISIONS CONTAINED IN PART 4, TITLE 24, CALIFORNIA MECHANICAL CODE.

SEISMIC RESTRAINT EXCEPTIONS:

- FUEL PIPING LESS THAN 1 INCH INSIDE DIAMETER.
- NON-MEDICAL GAS PIPING LESS THAN 2.5 INCHES INSIDE DIAMETER, OR PIPING SUSPENDED BY INDIVIDUAL HANGERS 12 INCHES OR LESS IN LENGTH FROM THE TOP OF THE PIPE TO THE BOTTOM OF THE STRUCTURAL SUPPORT FOR THE HANGER.
- RECTANGULAR AIR-HANDLING DUCTS LESS THAN 6 SQUARE FOOT IN CROSS-SECTIONAL AREA, OR ROUND AIR-HANDLING DUCTS LESS THAN 20 INCHES IN DIAMETER, OR DUCTS SUSPENDED BY HANGERS 12 INCHES OR LESS IN LENGTH FROM THE TOP OF THE DUCT TO THE BOTTOM OF THE STRUCTURAL SUPPORT FOR THE HANGER.

IN ADDITION TO THE CODE REQUIREMENTS LISTED ABOVE, ALL EQUIPMENT, DUCTWORK AND PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE SMACNA SEISMIC RESTRAINT GUIDELINES FOR MECHANICAL SYSTEMS.

HAZARDOUS MATERIALS NOTE

IF DURING THE COURSE OF THIS WORK THE CONTRACTOR OBSERVES THE EXISTENCE OF HAZARDOUS MATERIALS, THE CONTRACTOR SHALL IMMEDIATELY TERMINATE FURTHER WORK IN THAT AREA AND NOTIFY THE OWNER OF THE CONDITION. THE OWNER WILL, AFTER CONSULTATION WITH THE ARCHITECT OR ENGINEER DETERMINE FURTHER COURSE OF ACTION.

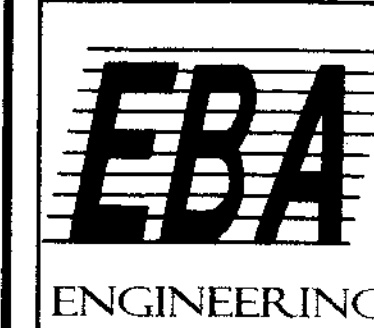
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3A 92

MECHANICAL LEGENDS, NOTES, ABBREVIATIONS AND SYMBOLS
HOUSEHOLD HAZARDOUS WASTE FACILITY
SAN JOAQUIN COUNTY

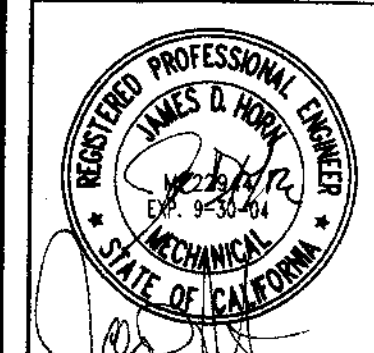
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Drawn By: TS/JN/DB
Checked By: JH/EM
Date: JULY 3, 2002

Revisions	By

Sheet Number
M.1
1 of 4

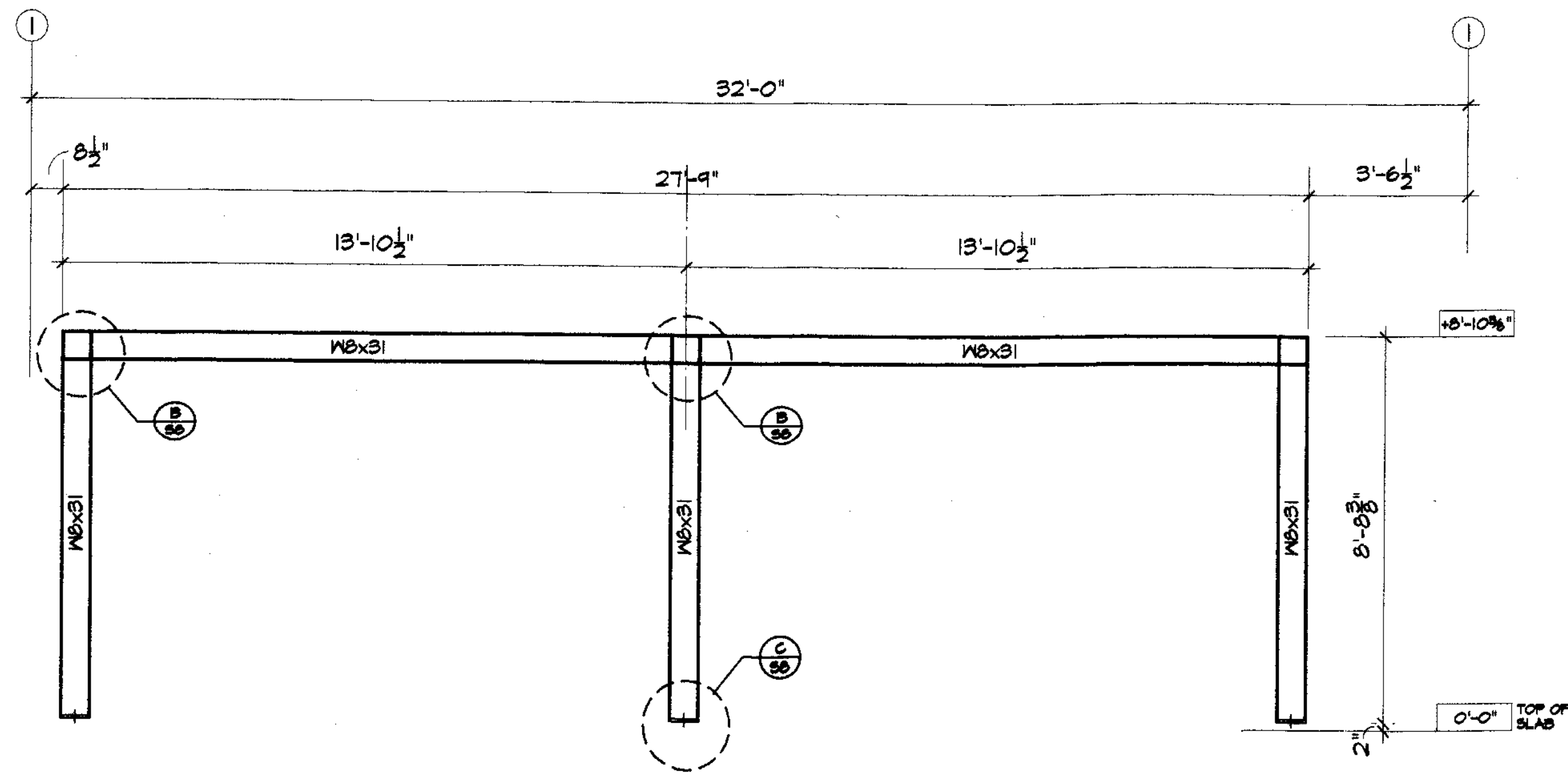


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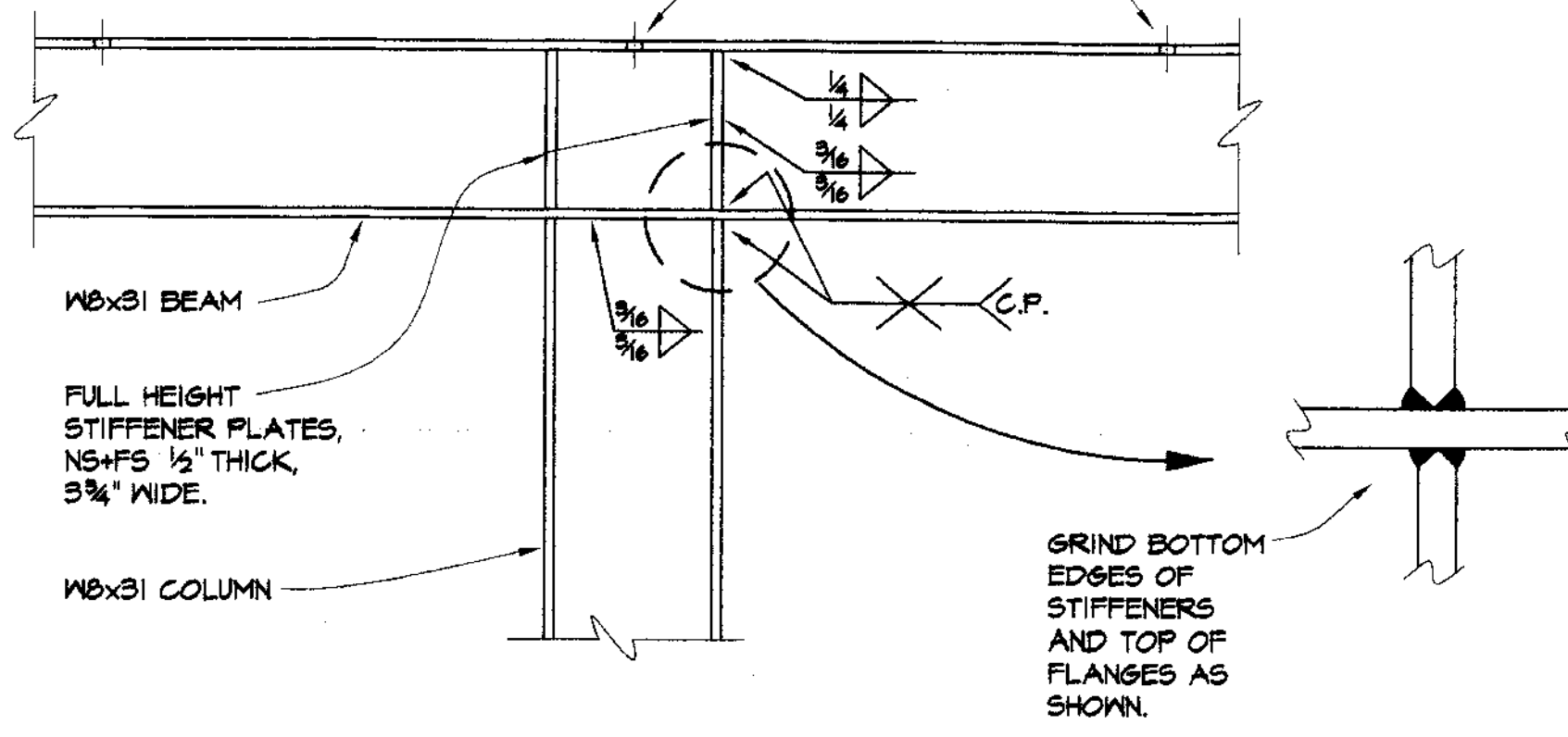
STEEL FRAME ELEVATION

3/8"=1'-0"

A
SB

- NOTES:**
1. STEEL BEAMS AND COLUMNS AND JOINT STIFFENER PLATES SHALL BE 50 ksi STEEL. USE A572 GR. 50 OR A992 GR. 50.
 2. WELDS MAY BE EITHER SHOP OF FIELD MADE, HOWEVER ALL WELDS SHALL BE PER AWS STANDARDS AND PER APPROVED WELD PROCEDURE SPECIFICATIONS.

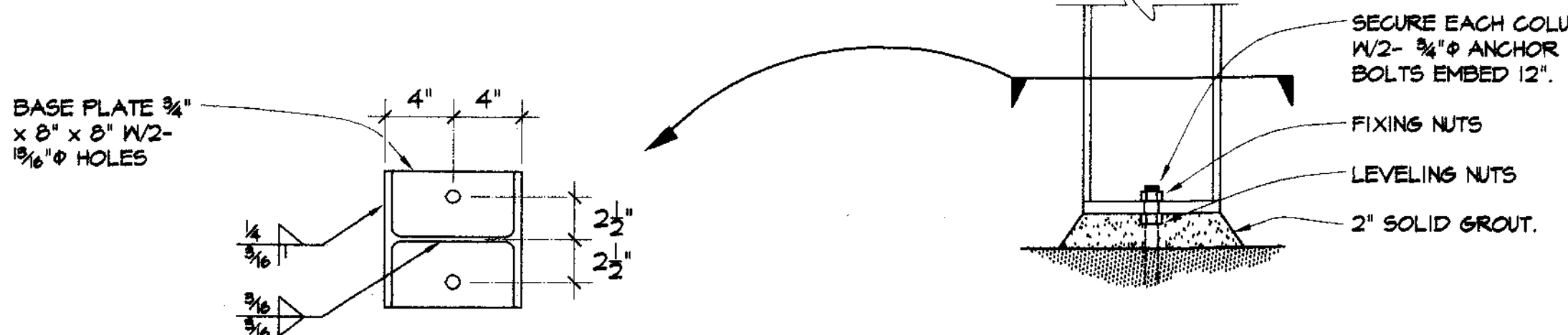
1/4" Ø HOLES FOR NAILER BOLTING, 24" o.c. STAGGERED SIDE BUT PLACE 2 SIDE-BY-SIDE AT 4" FROM ENDS OF BEAMS.



STEEL FRAME JOINT DETAIL

1 1/2"=1'-0"

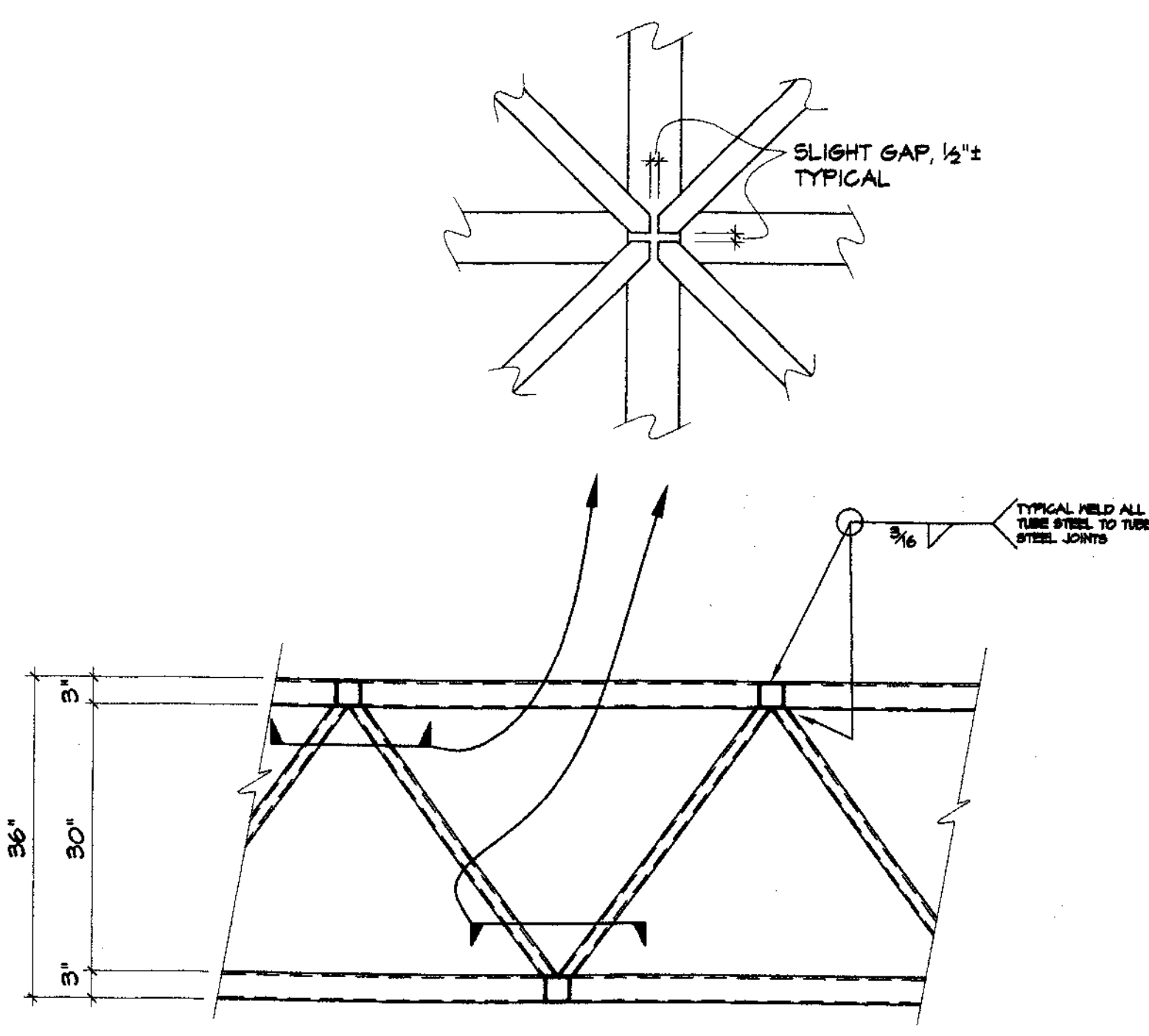
B
SB



STEEL FRAME JOINT DETAIL

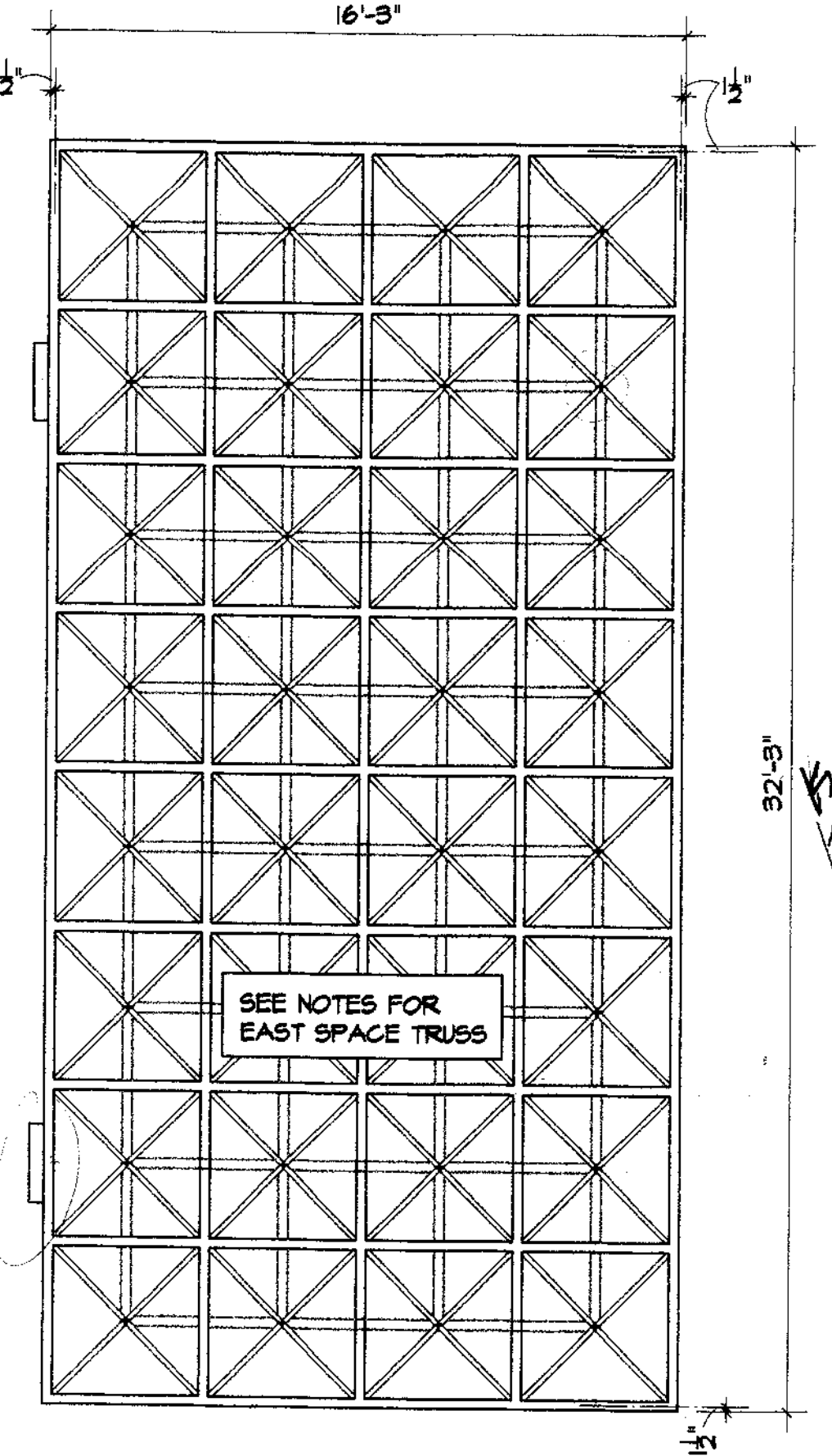
1 1/2"=1'-0"

C
SB



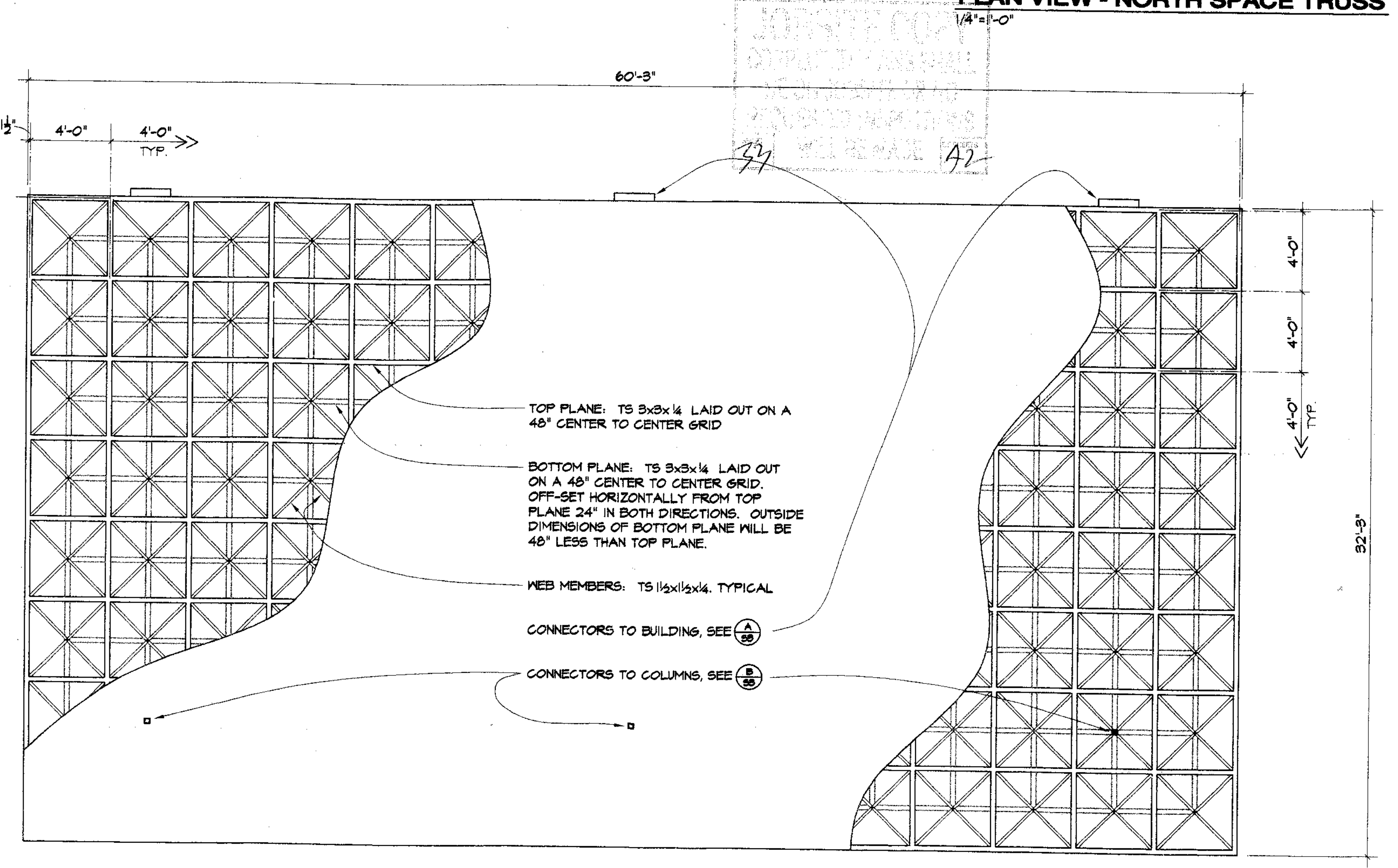
TYPICAL SECTION

3/4"=1'-0"



PLAN VIEW - NORTH SPACE TRUSS

1/4"=1'-0"



PLAN VIEW - EAST SPACE TRUSS

1/4"=1'-0"

EBA ENGINEERING

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SE2845
12/21/04
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STEEL FRAME DETAILS
HOUSEHOLD HAZARDOUS WASTE FACILITY
SAN JOAQUIN COUNTY

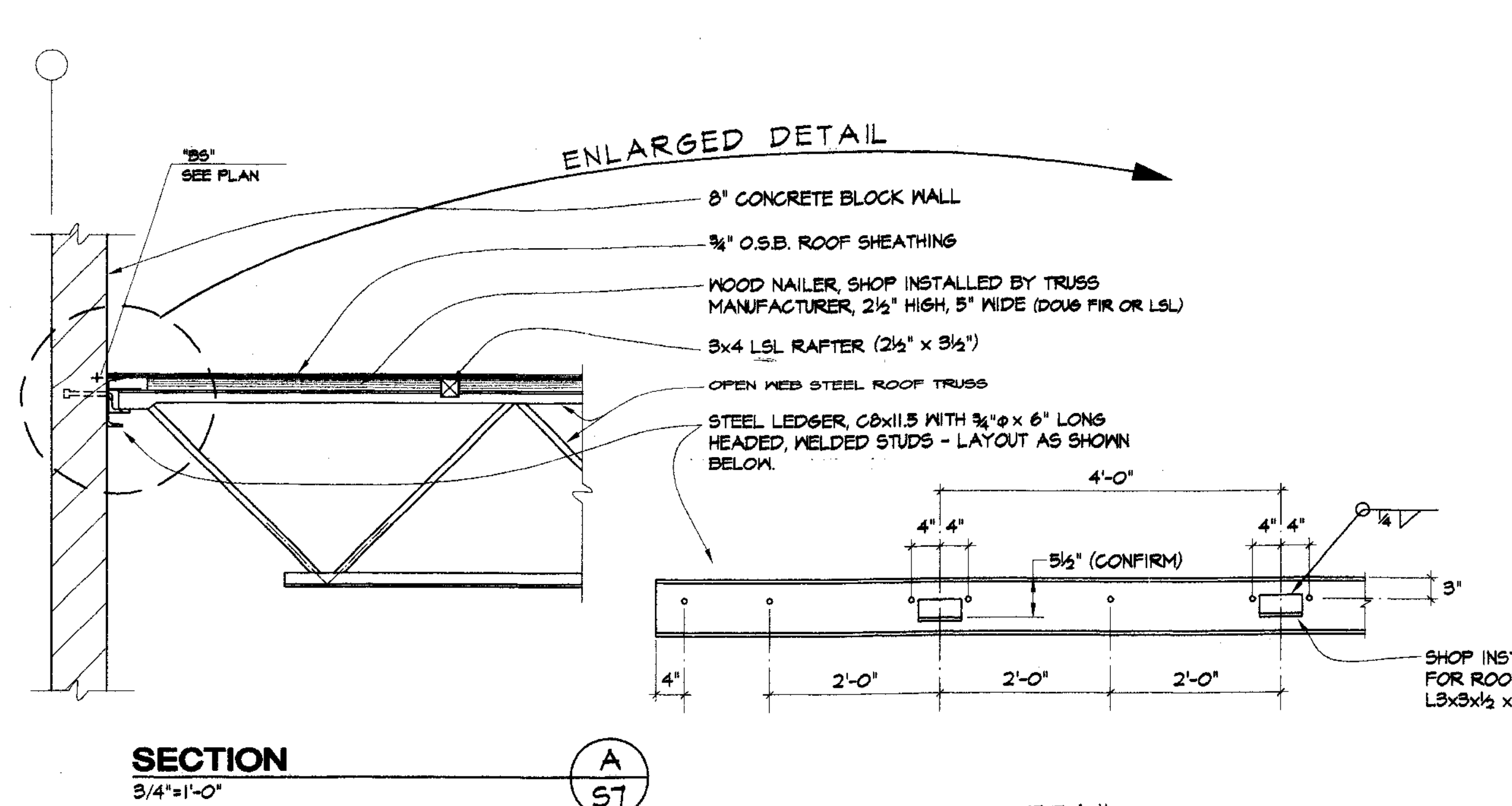
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Drawn By: LMc
Checked By: KH
Date: 7-3-2002

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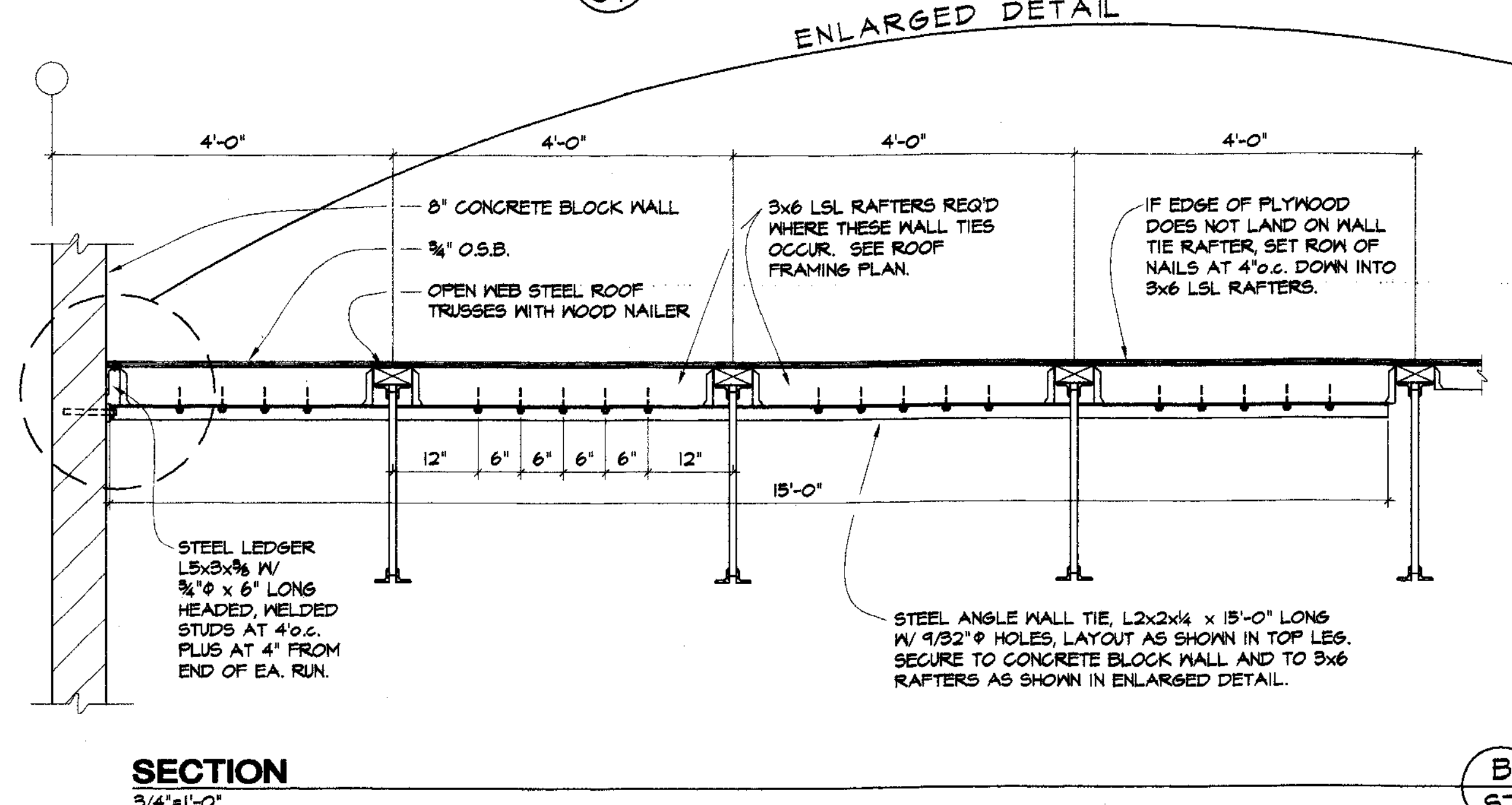
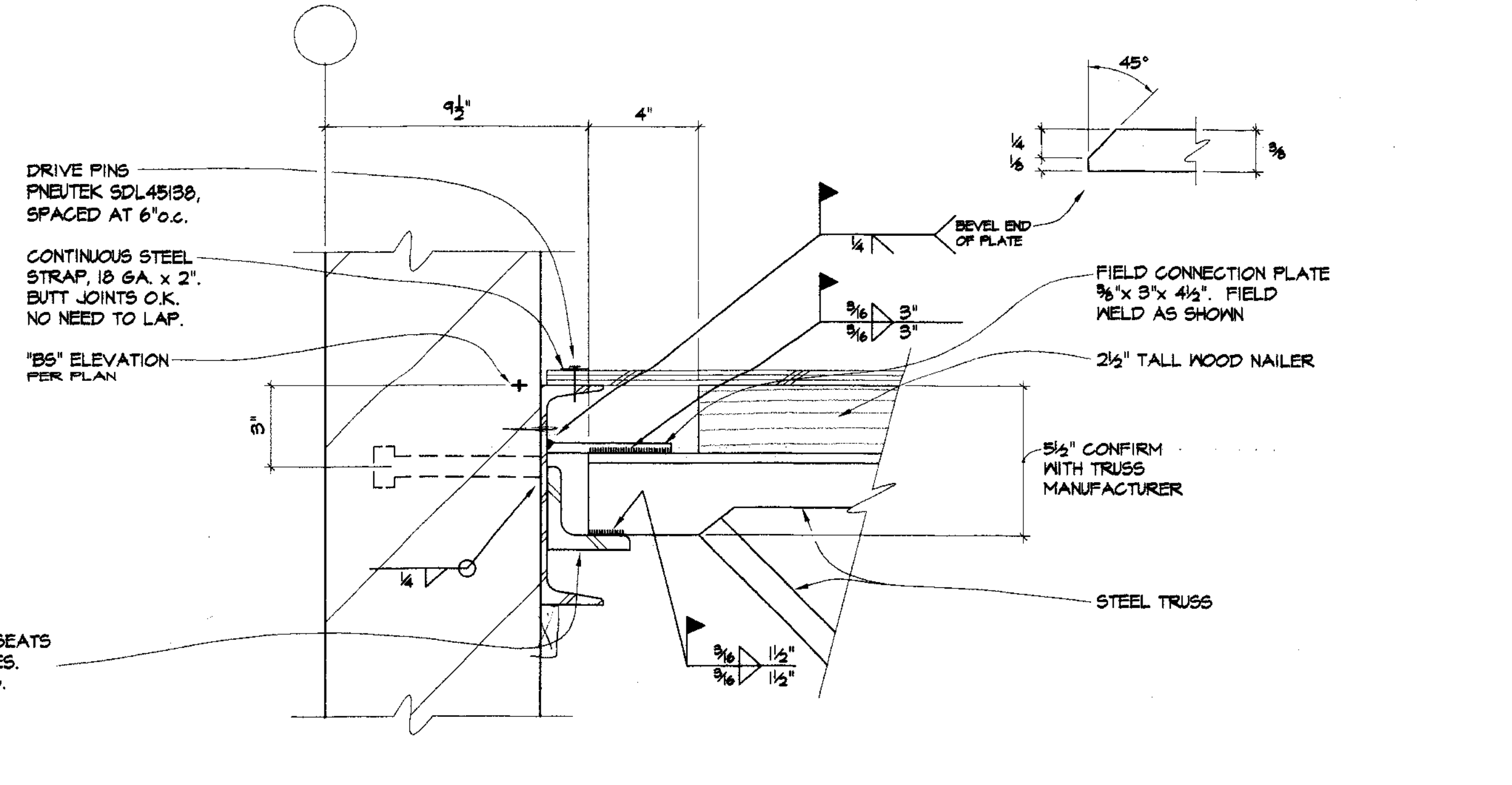
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SU 3753

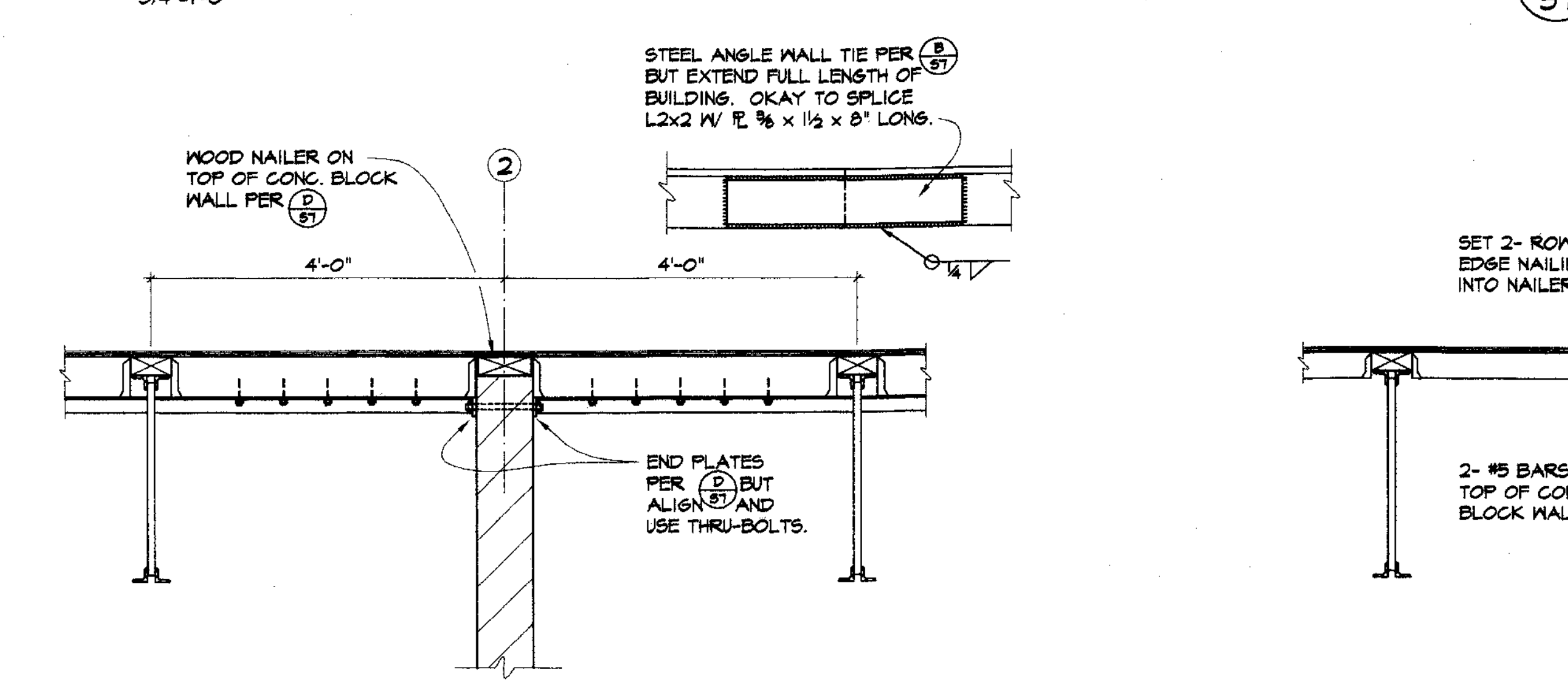
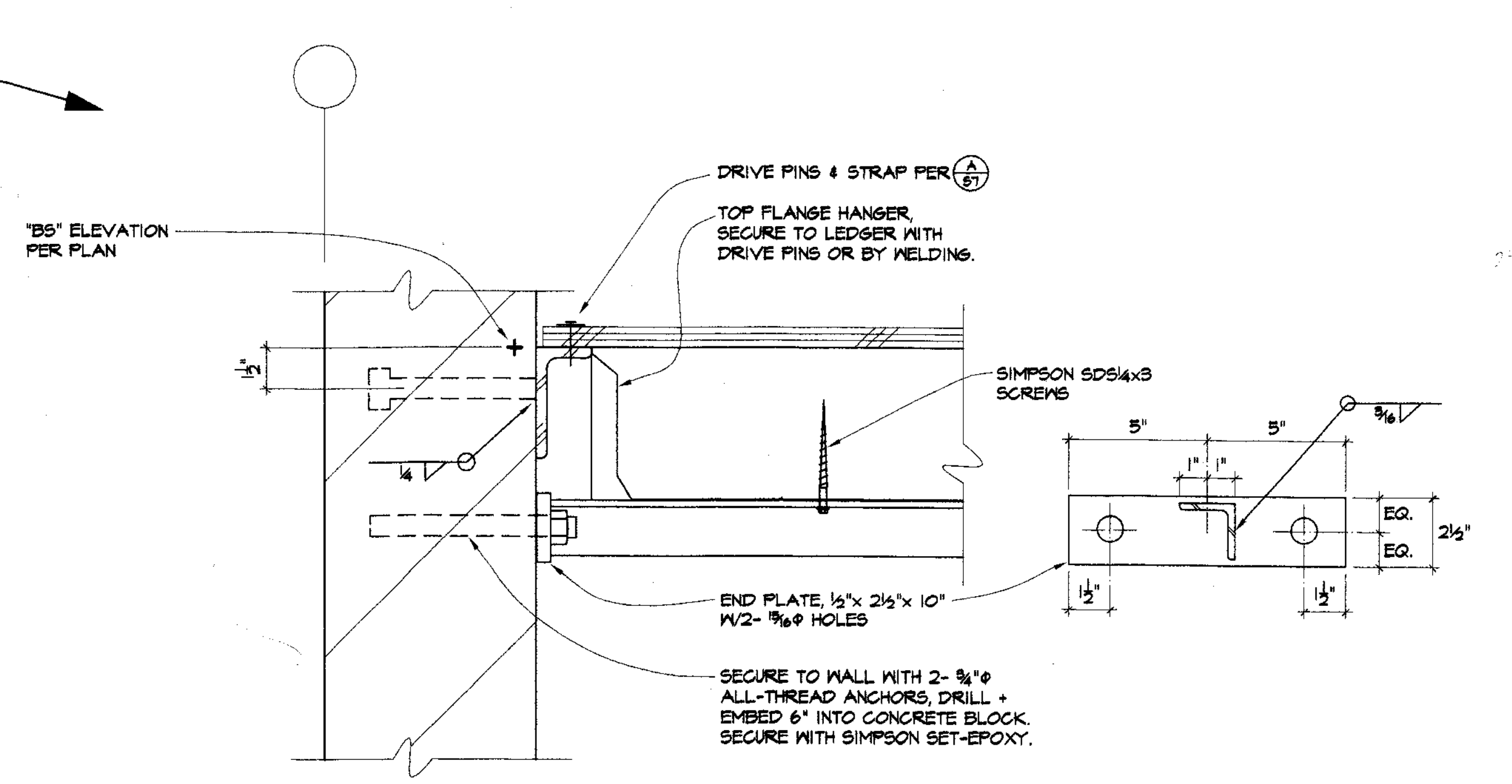
11/01/01 / Mark Dalton Produced Drawings



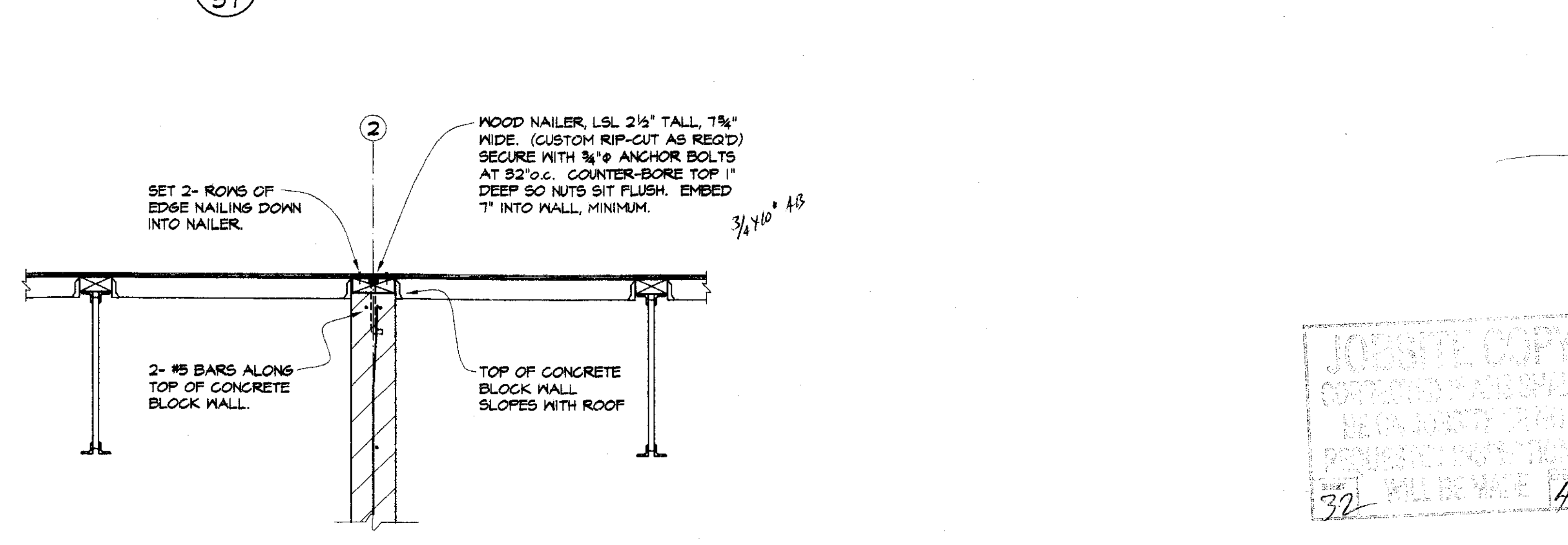
SECTION A
3/4"=1'-0"



SECTION B
3/4"=1'-0"



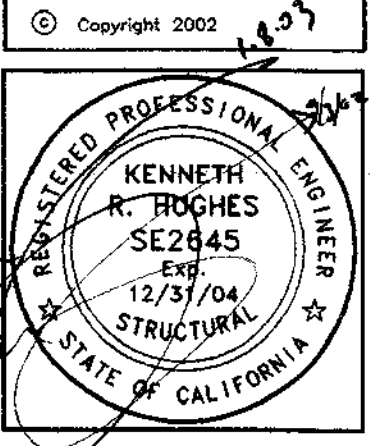
SECTION C
3/4"=1'-0"



SECTION D
3/4"=1'-0"



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ROOF FRAMING DETAILS
 HOUSEHOLD HAZARDOUS WASTE FACILITY
 SAN JOAQUIN COUNTY

Job No: 2002.017
Drawn By: LMC
Checked By: KH
Date: 7-3-2002

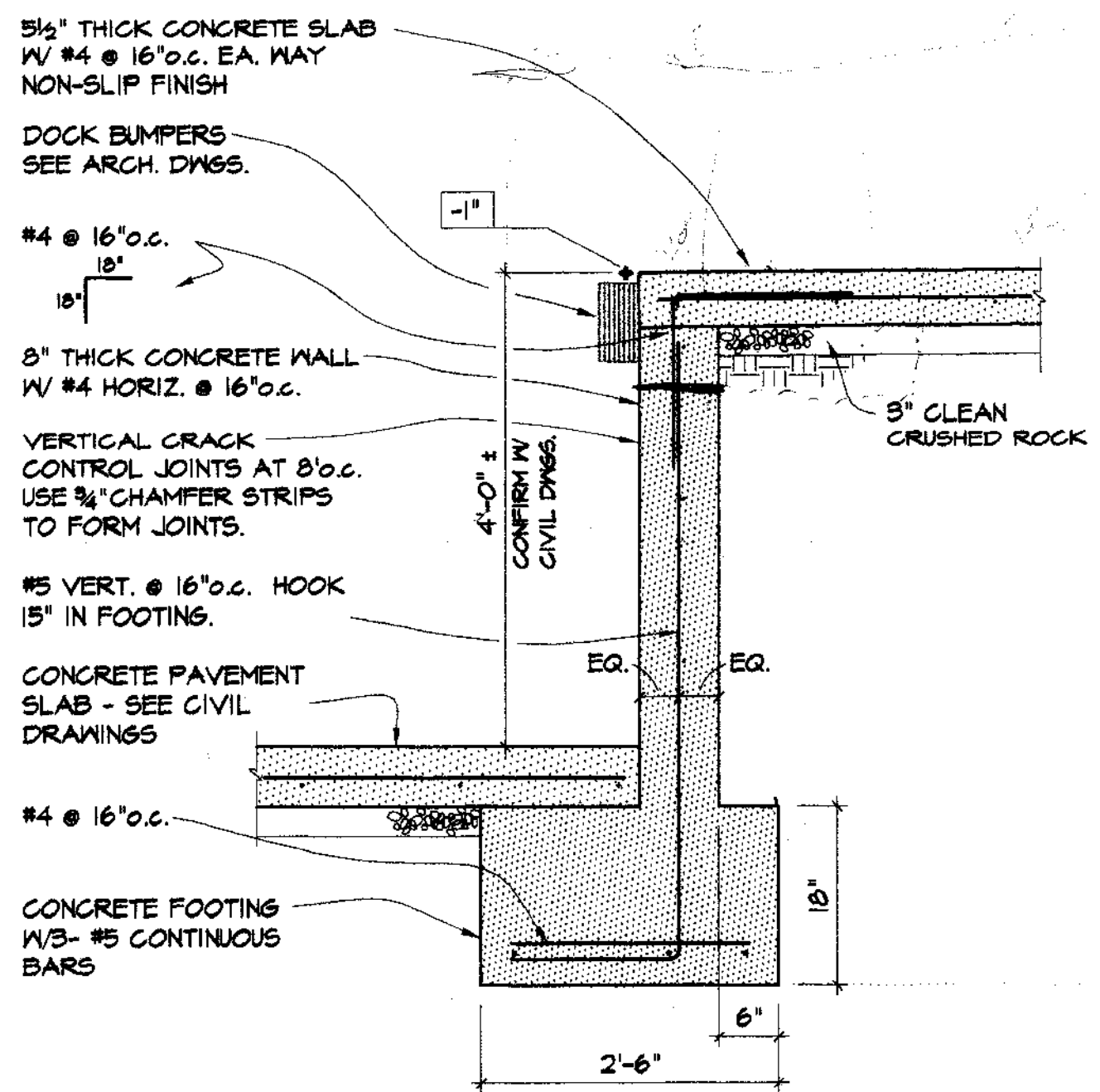
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S7

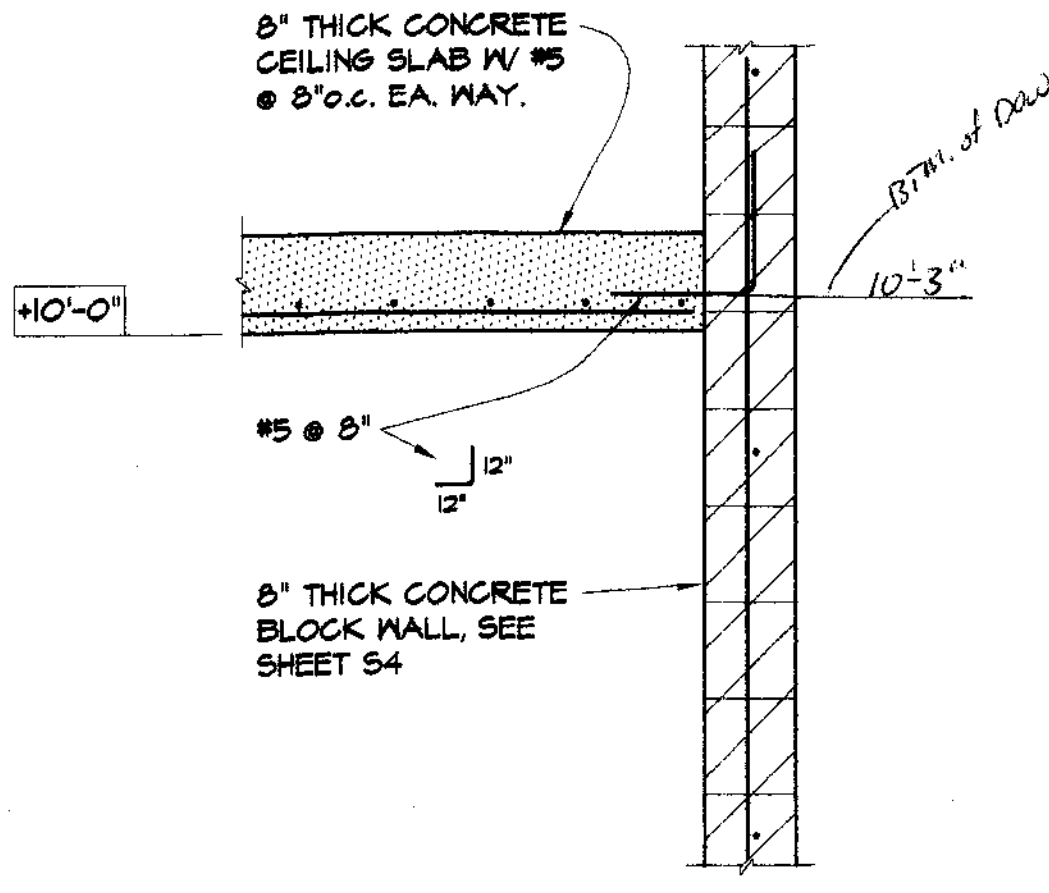
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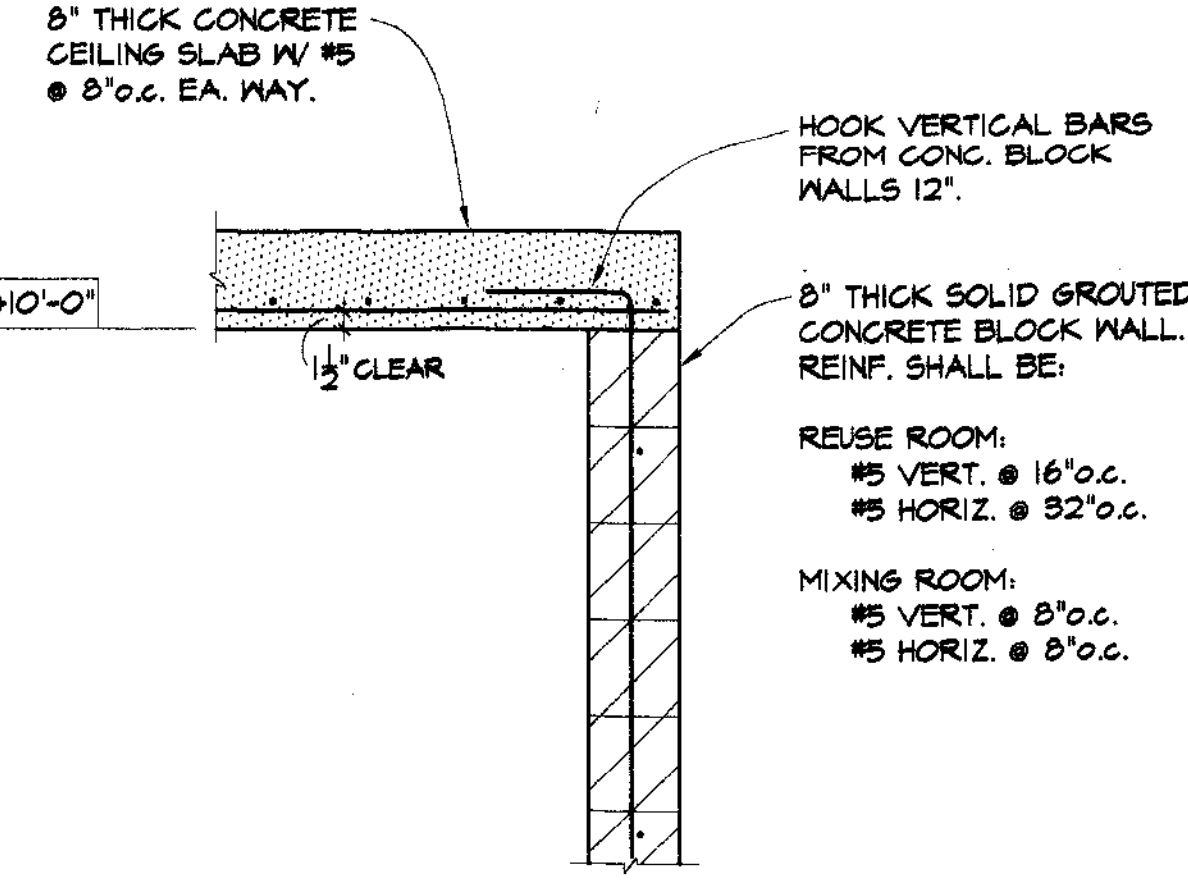
Revisions	By



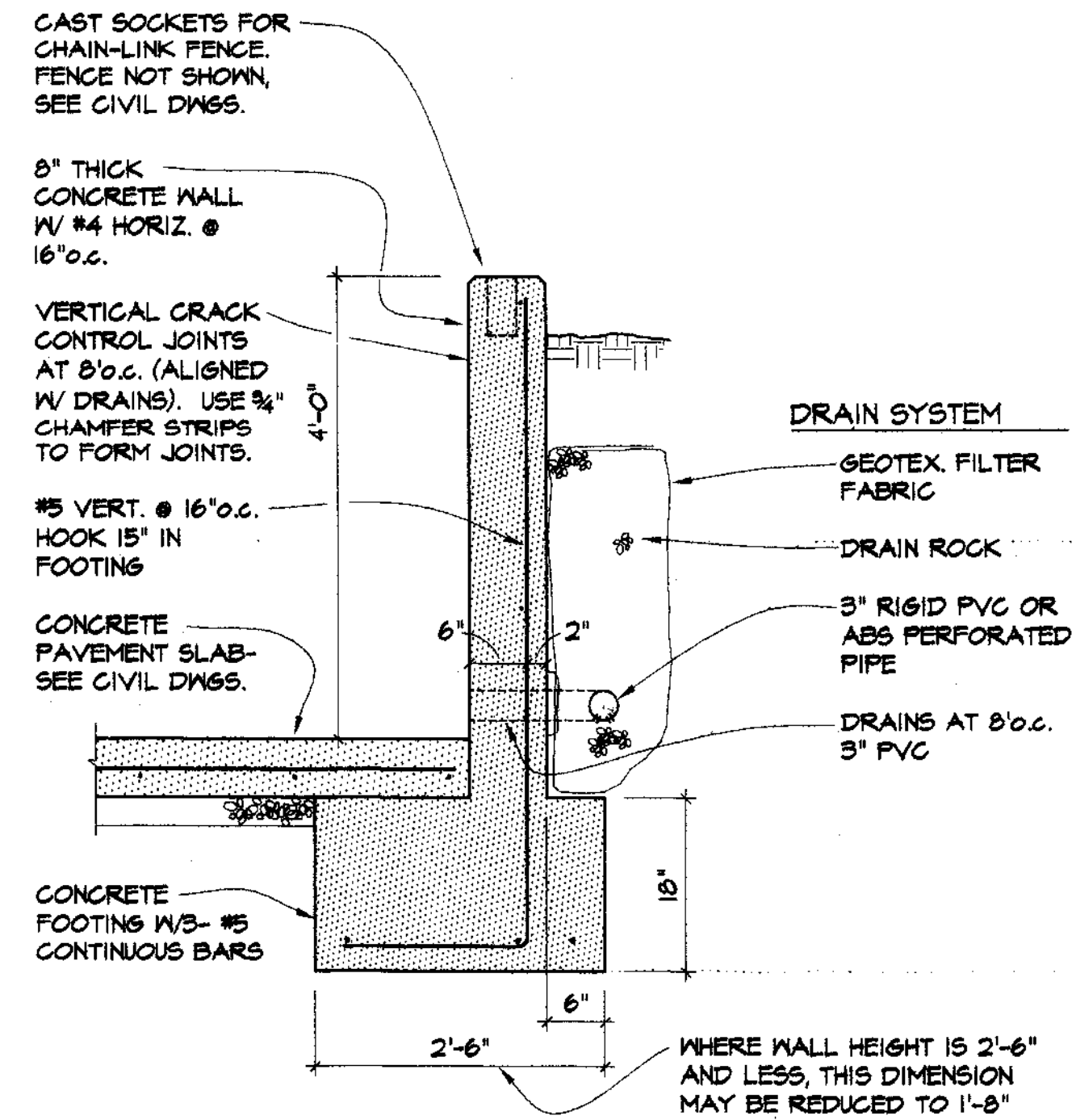
SECTION A
3/4"=1'-0"



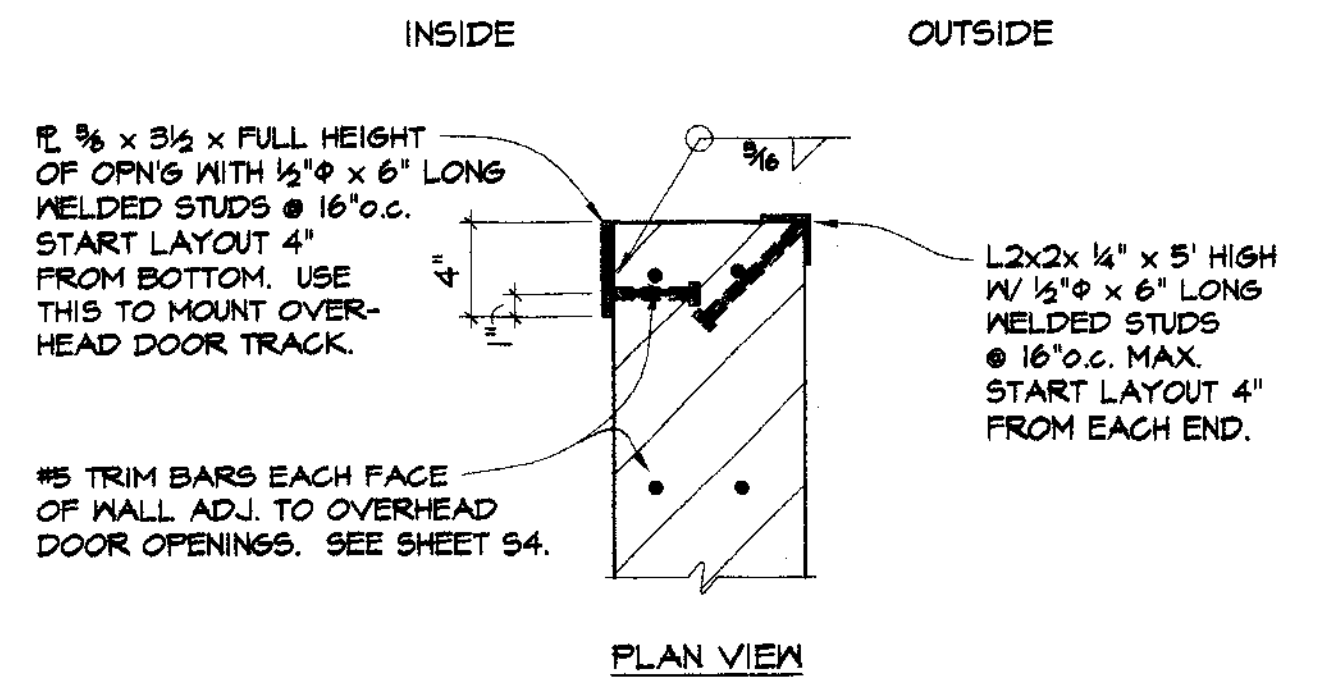
SECTION F
3/4"=1'-0"



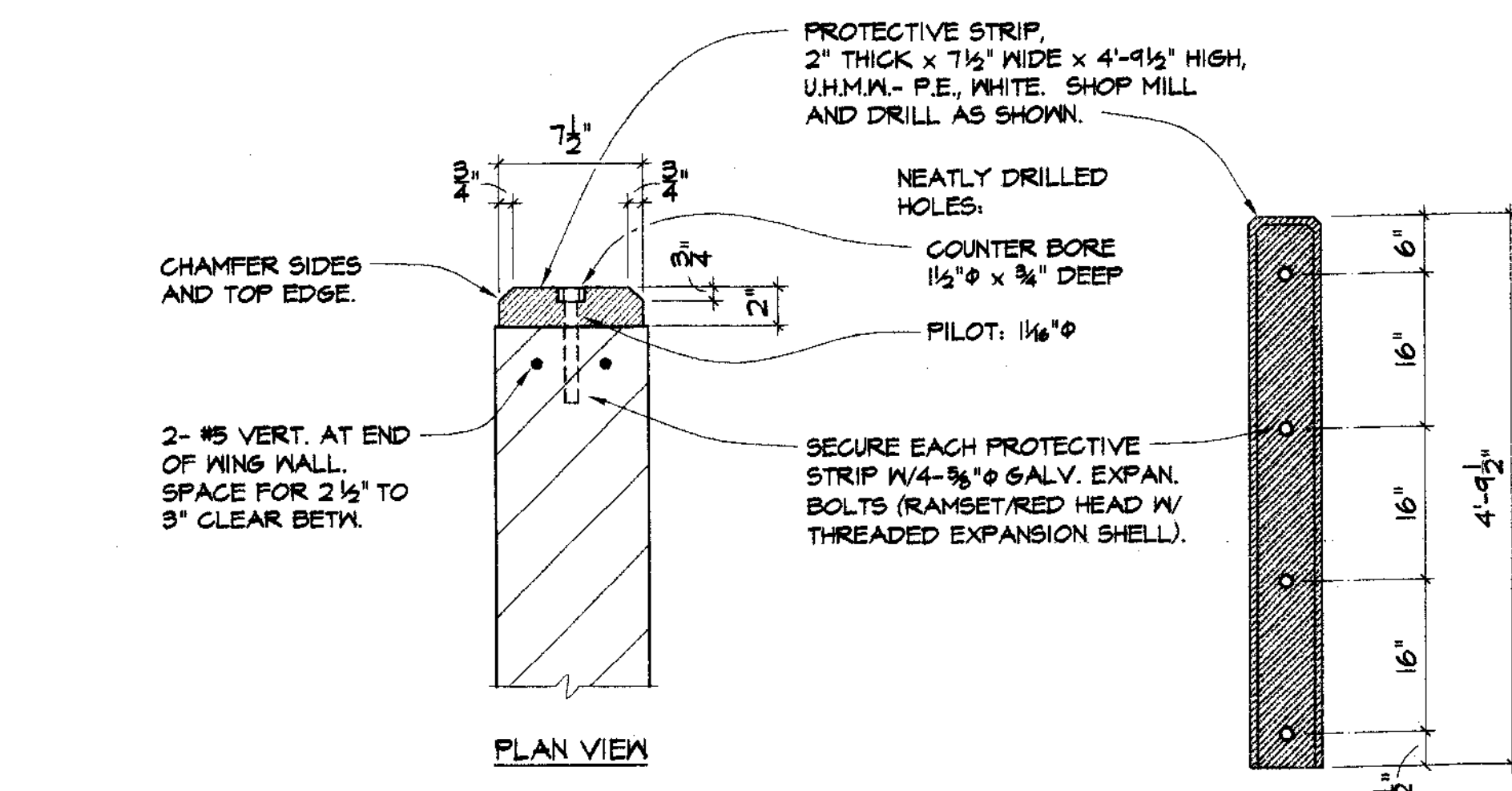
SECTION G
3/4"=1'-0"



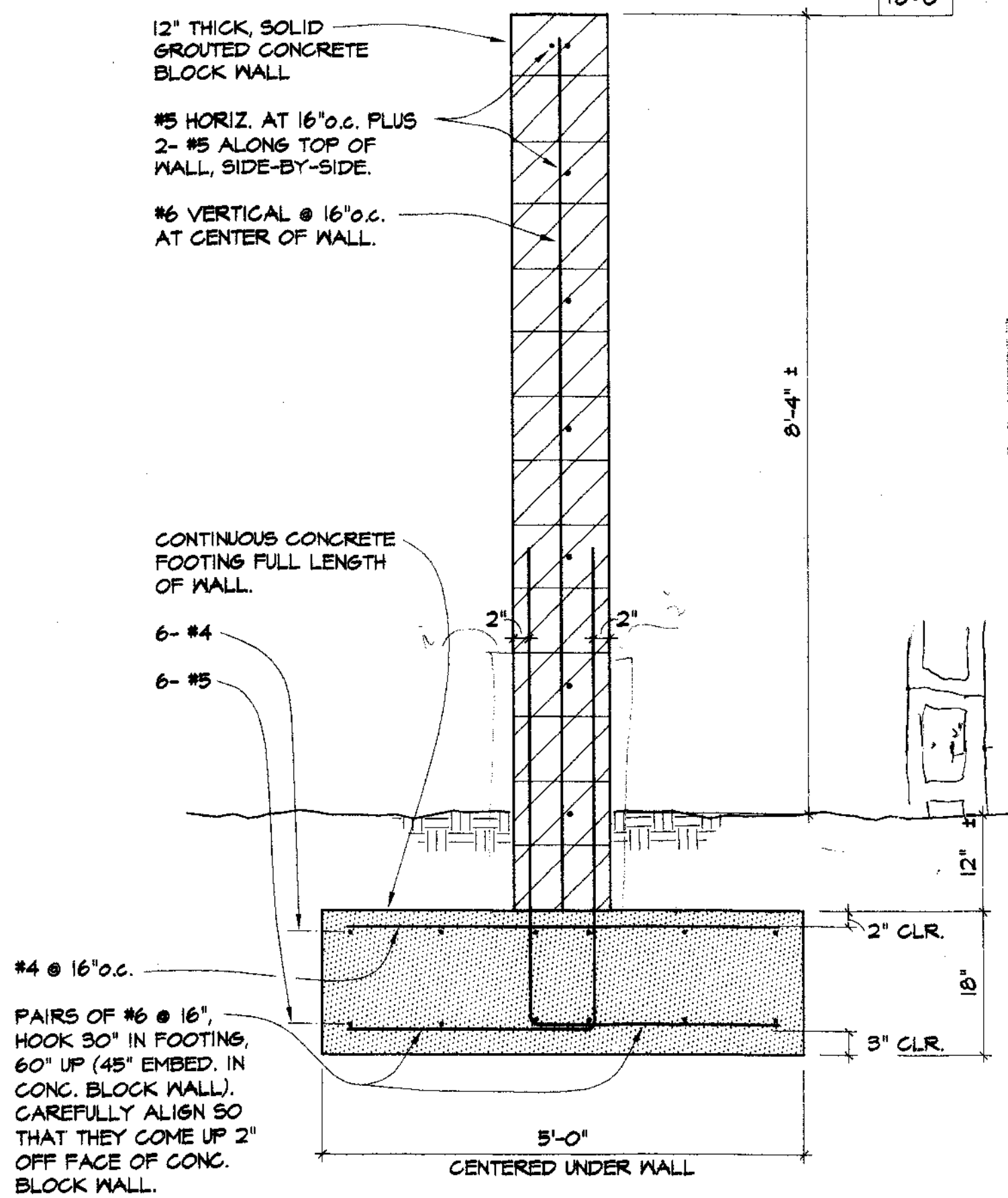
SECTION C
3/4"=1'-0"



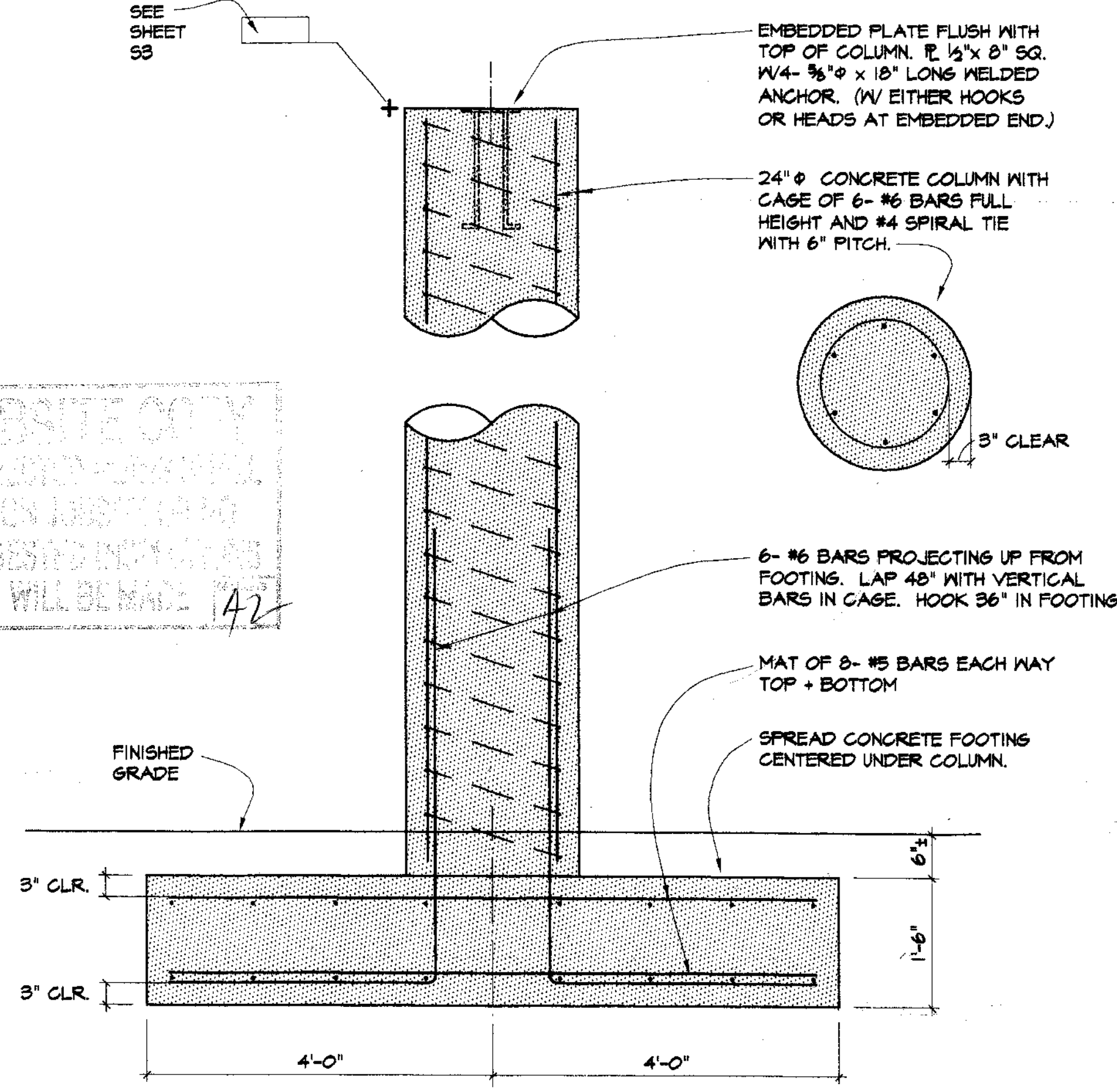
DETAIL- AT EDGE OF OVERHEAD DOOR OPN'G.
1/2"=1'-0"



DETAIL- U.H.M.W. PROTECTIVE STRIP



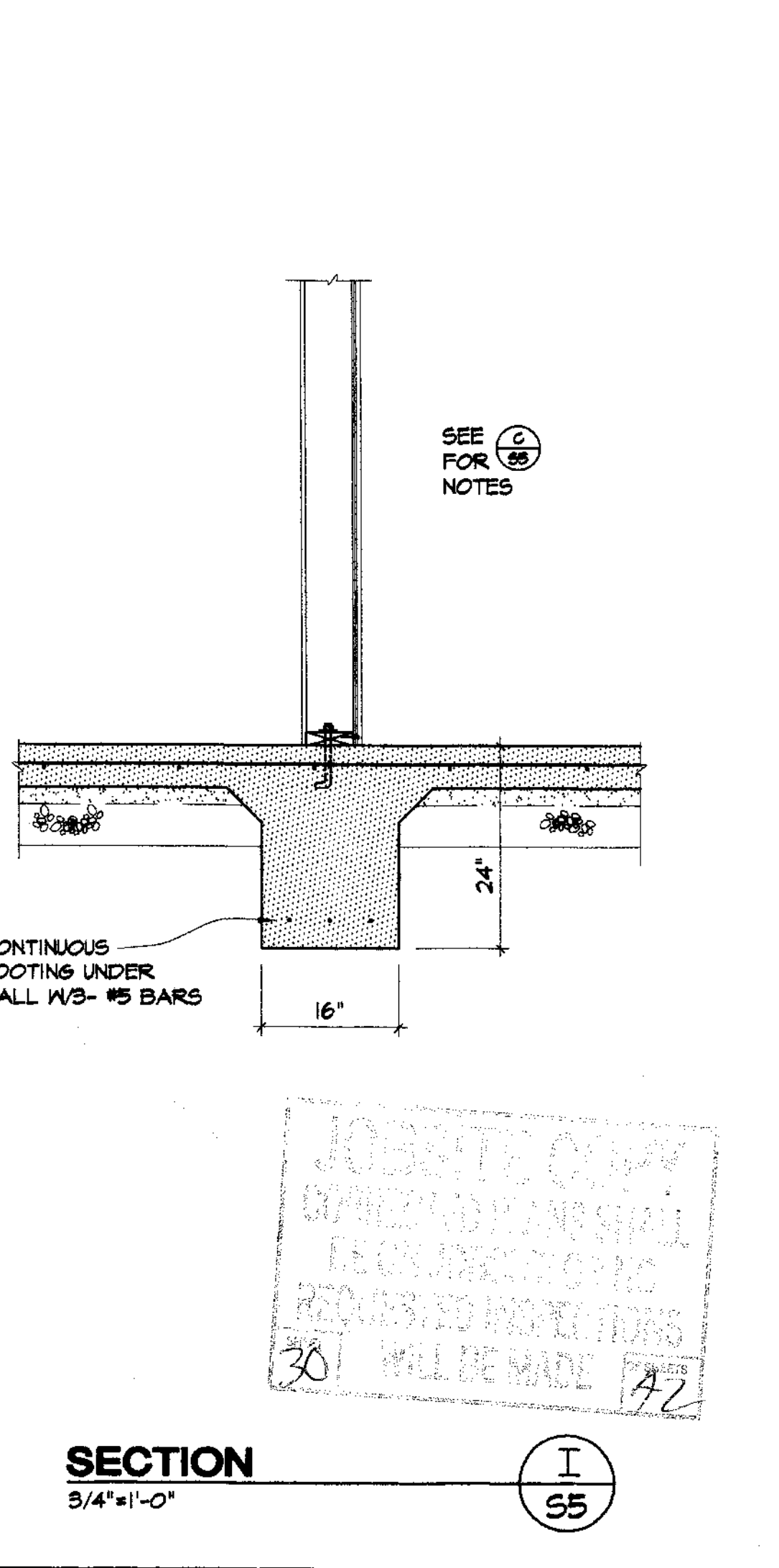
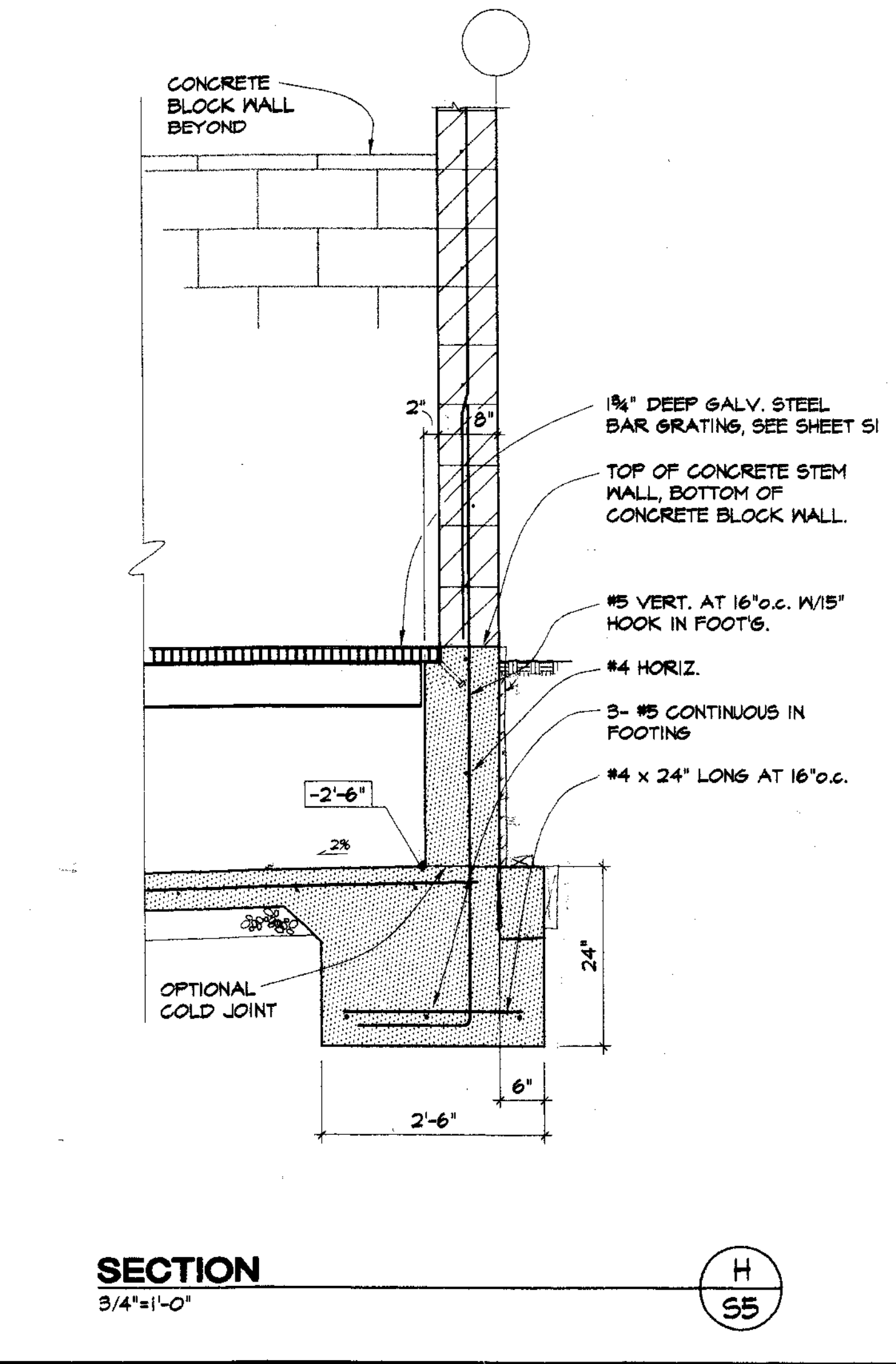
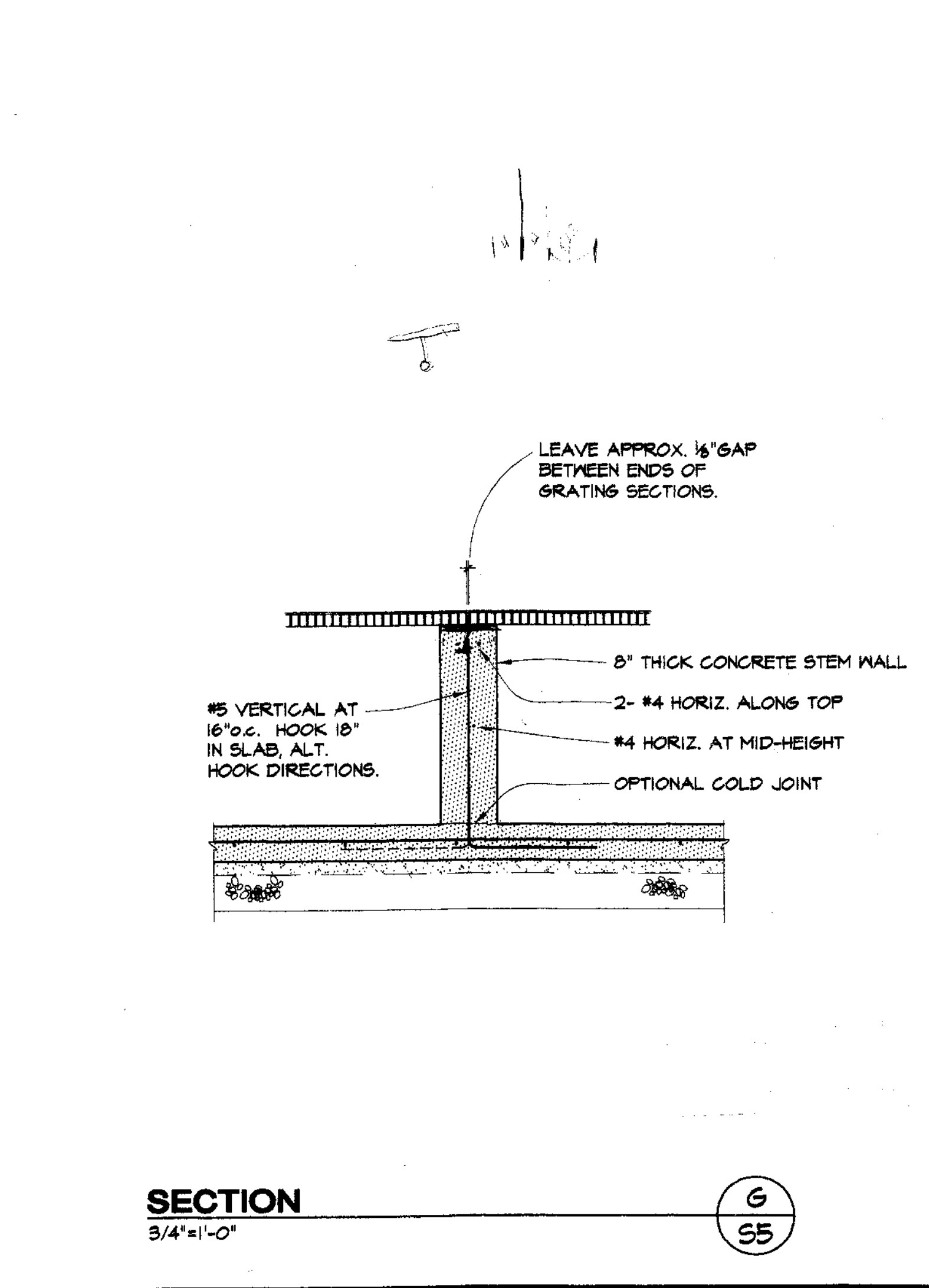
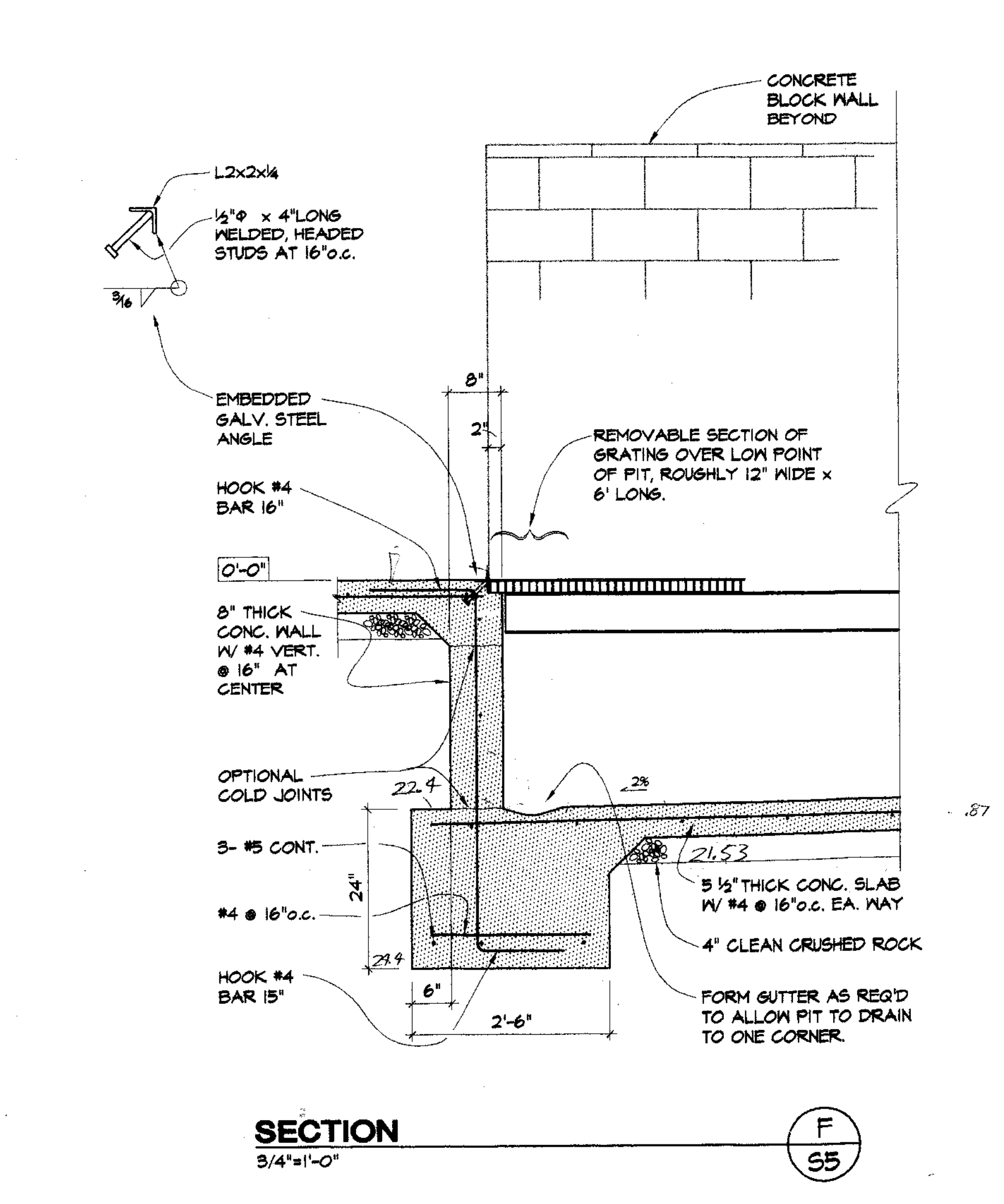
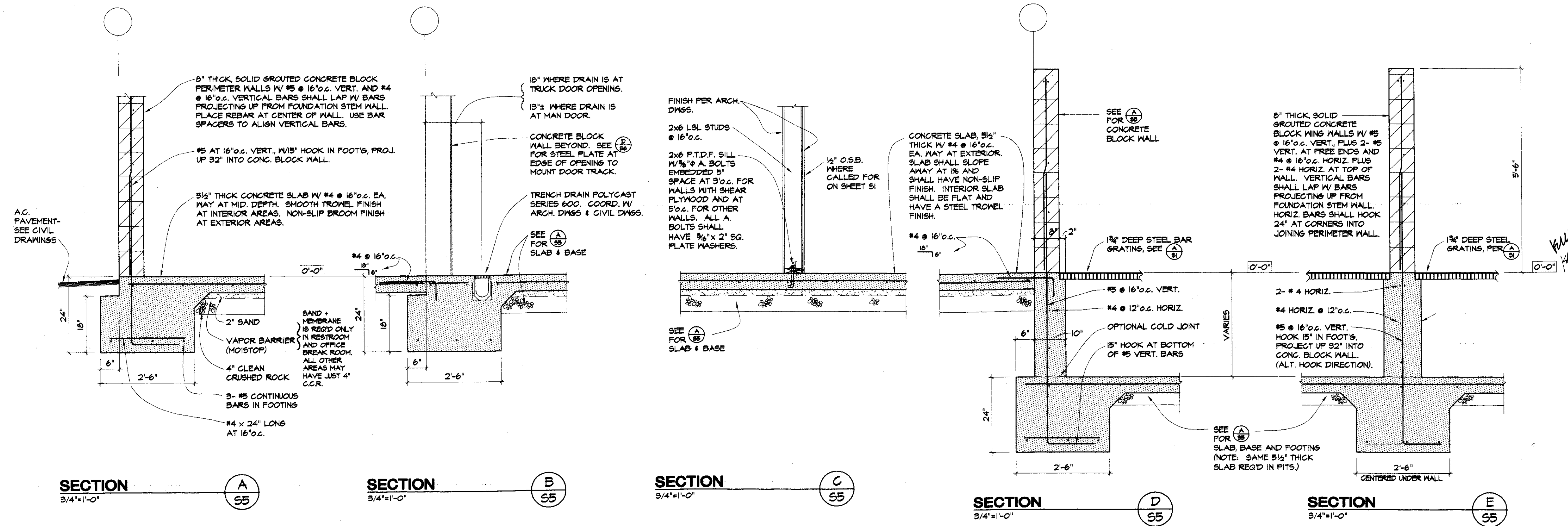
SECTION H
3/4"=1'-0"



SECTION B
3/4"=1'-0"

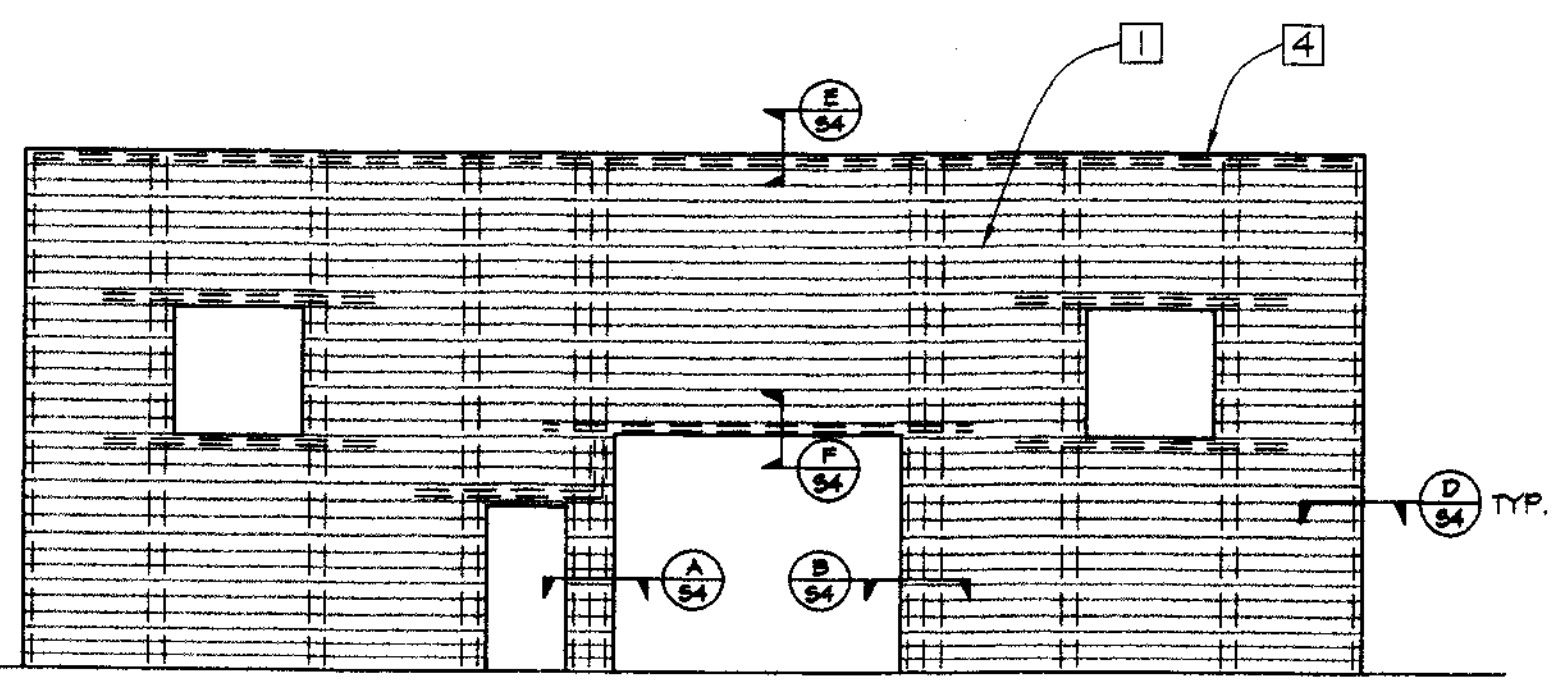
SU 3755

Revisions	By

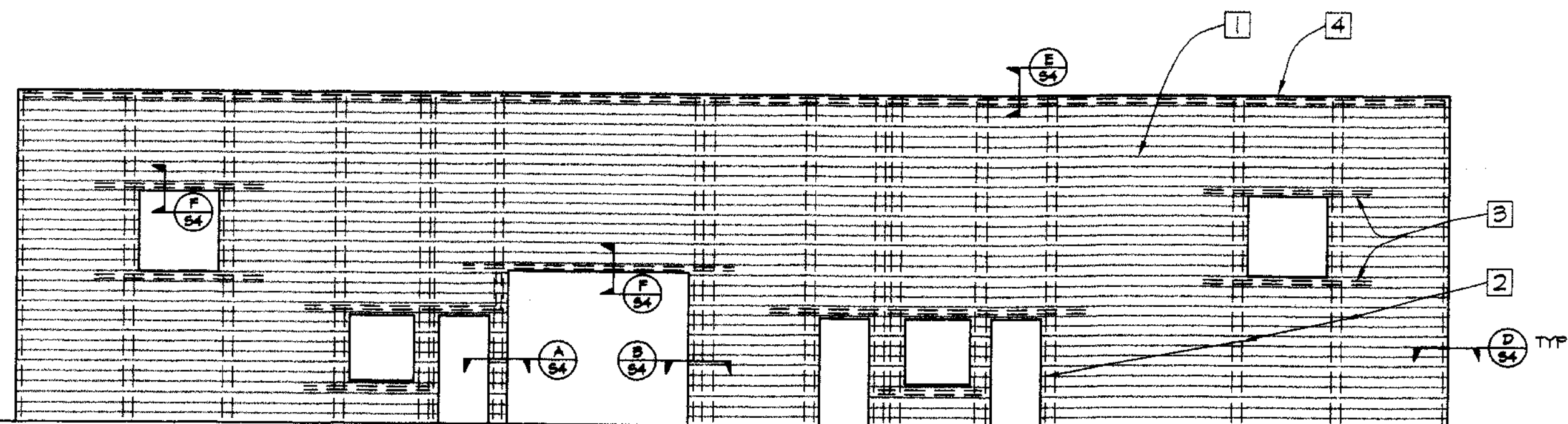


SU 3756

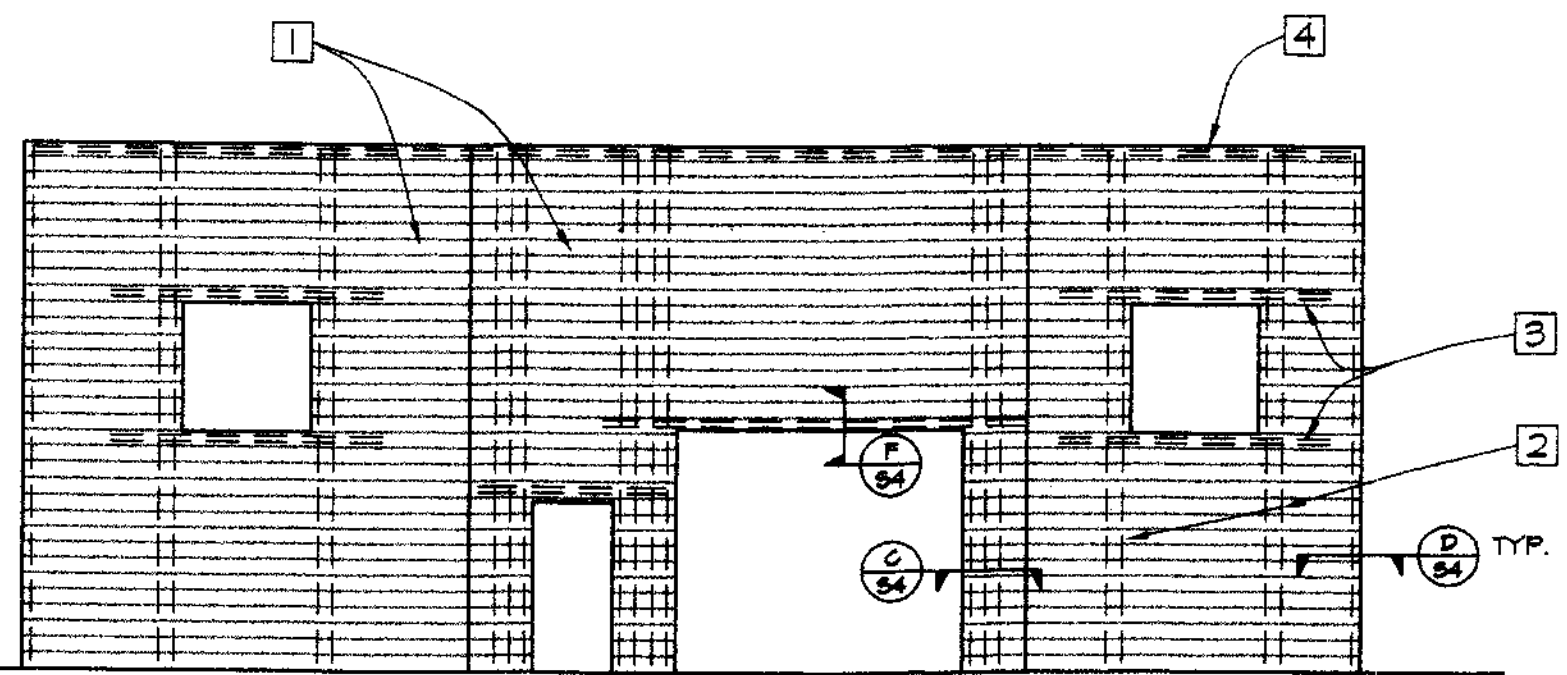
JOINT COPY
MATERIALS SHALL
BE REINSPECTED
RECORDED AND INDEXED
30 WILL BE MADE A2



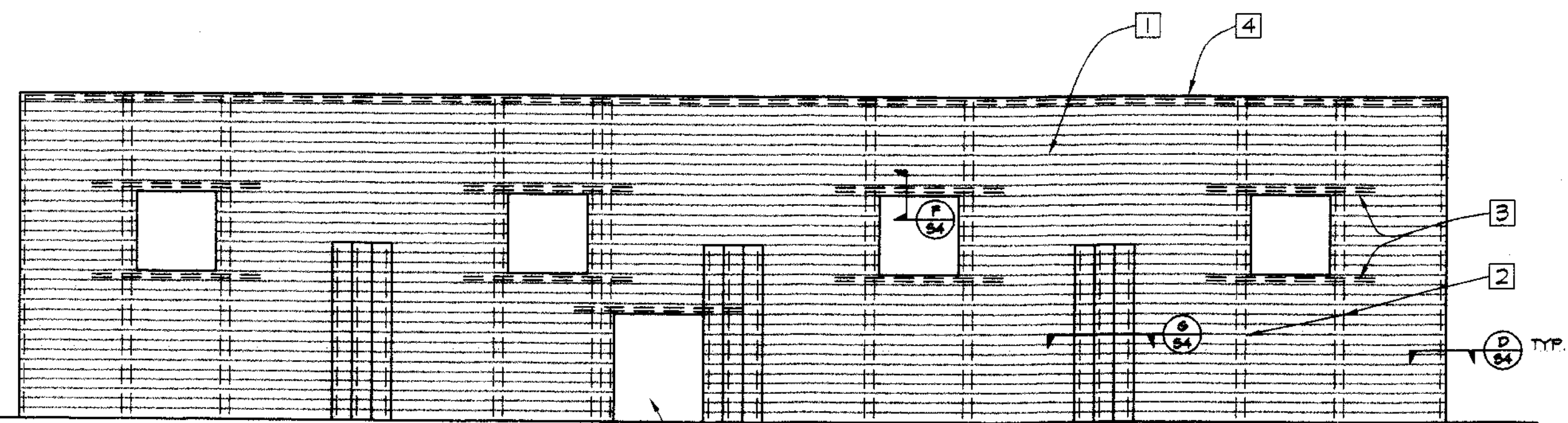
NORTH ELEVATION
1/8" = 1'-0"



EAST ELEVATION
1/8" = 1'-0"



SOUTH ELEVATION
1/8" = 1'-0"



WEST ELEVATION
1/8" = 1'-0"

OPENING FOR EXPLOSION
RELIEF PANEL. SEE
ARCHITECTURAL DRAWINGS.

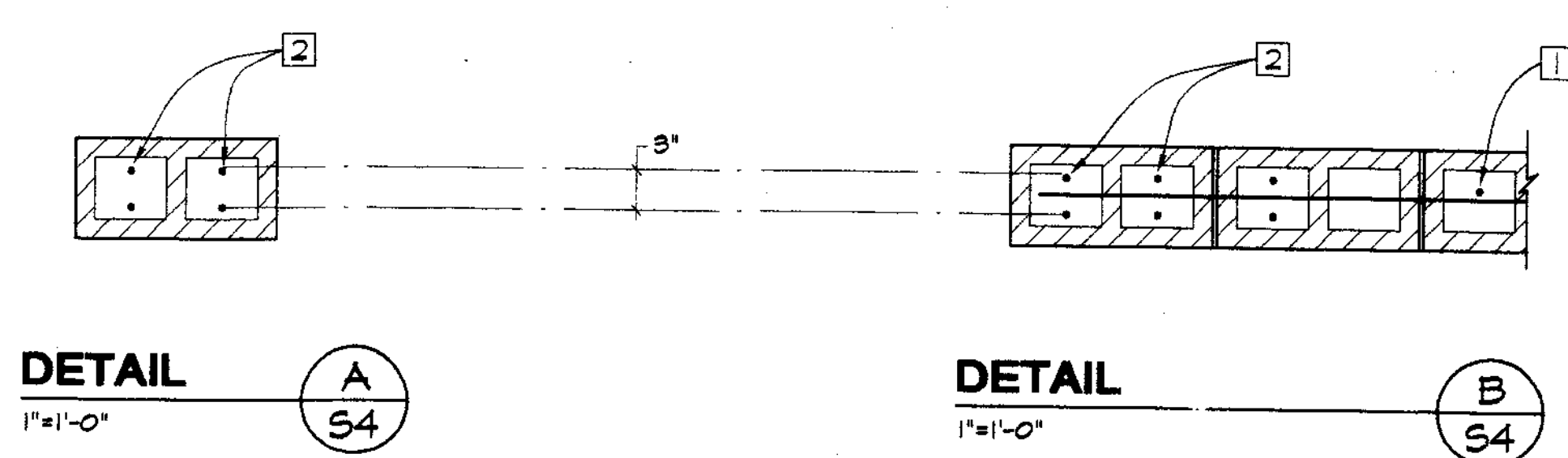
LEGEND:

- 1 Common reinforcing steel for all 8" thick and 12" thick walls, unless otherwise noted, shall be #5 vertical @ 16" o.c. and #5 horizontal @ 32" o.c. placed in the center of the wall. Lap bars 25" minimum. (These bars are not shown in elevations.)
- 2 Place 2- #5 bars each side of each opening. (6- #5 vert. ea. side of overhead door openings.) Align half of these at each face of the wall. Run full height of wall. Use spacers to attain this alignment.
- 3 Place 2- #5 horizontal bars over the top and under the bottom of all openings. Extend 3 ft. minimum beyond edges of the opening. Hook if req'd to attain the 3 ft. extension.
- 4 Place 2- #5 horizontal bars along the top of the wall. Lap bars 25" minimum and stagger lap splices.

NOTES:

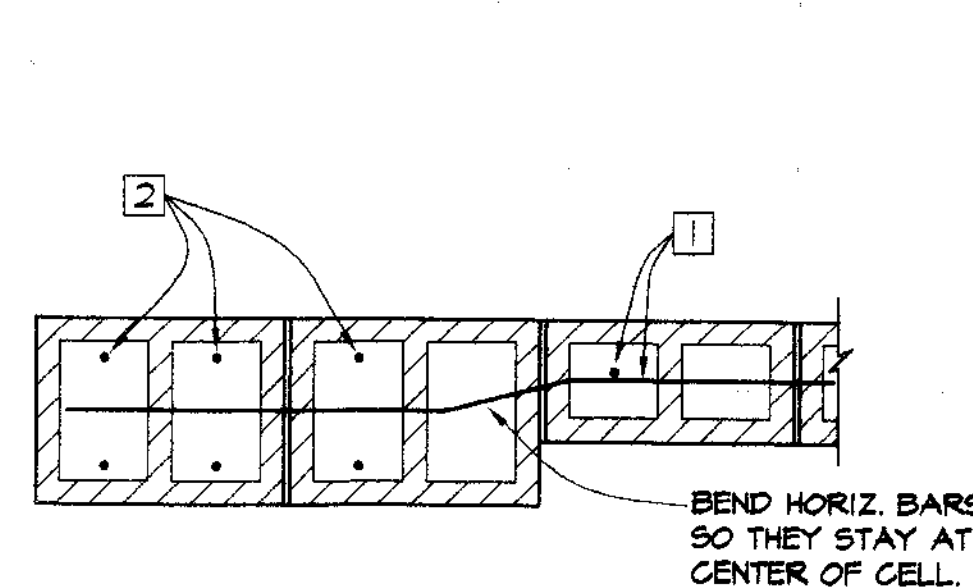
Concrete Masonry Units (CMU) shall be open ended, bond beam, 8x8x16 or 8x12x16 concrete blocks conforming to ASTM C90, Grade N, Type II, fin=1800 psi min. Use closed end units at corners and ends as appropriate. Use special texture or colored block as required by Architectural drawings. Solid grout all cells. Mortar shall conform to ASTM C270, Type s, with a minimum compressive strength of 2000 psi. Grout shall have a fluid consistency strength of 2000 psi.

Masonry construction shall conform to the requirements of Section 2104 of the 1997 Uniform Building Code. Specific attention shall be paid to reinforcing steel placement. Use bar spacers in order to insure proper alignment of vertical rebar - especially where 2 bars are called for in cells adjacent to openings.

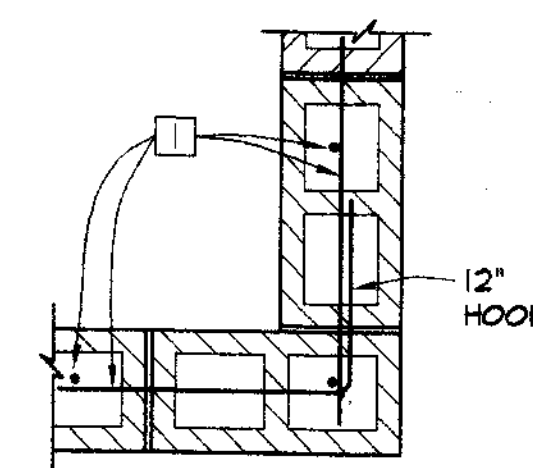


DETAIL A
1"=1'-0" S4

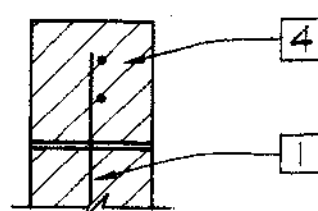
DETAIL B
1"=1'-0" S4



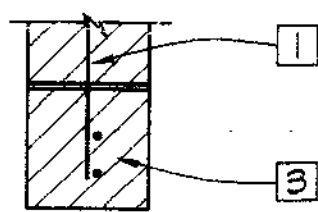
DETAIL C
1"=1'-0" S4



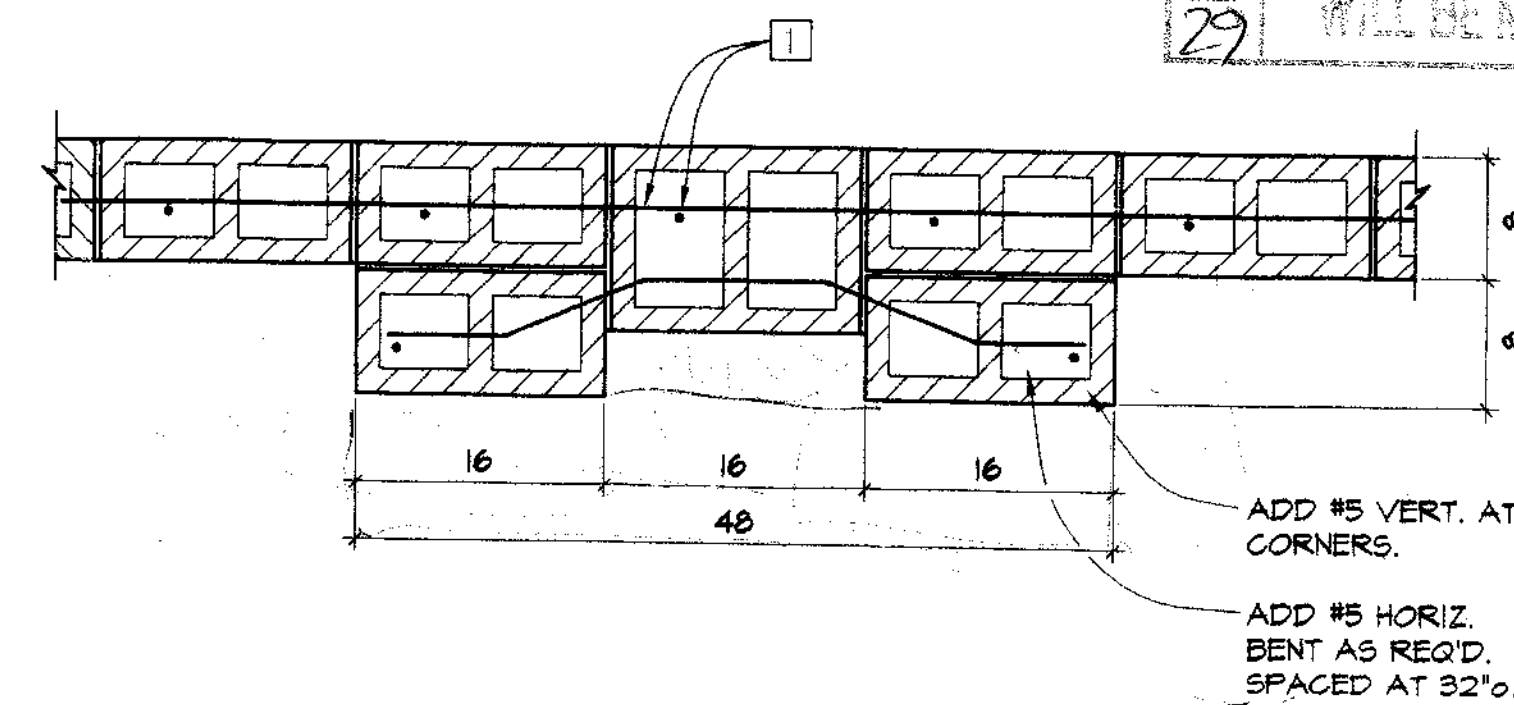
DETAIL D
1"=1'-0" S4



DETAIL E
1"=1'-0" S4

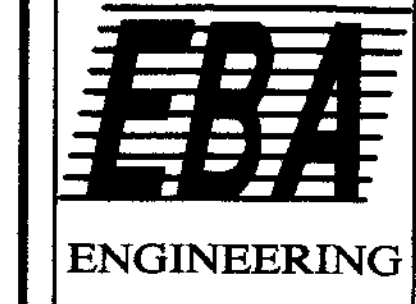


DETAIL F
1"=1'-0" S4



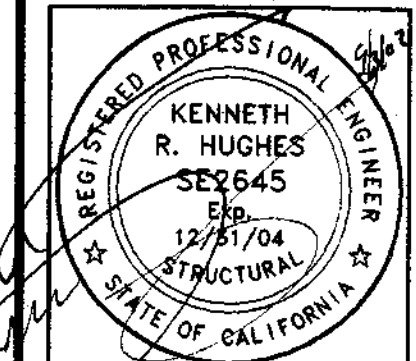
DETAIL G
1"=1'-0" S4

JOB SITE COPY
CORRECTIONS SHALL
BE UP AND ALL
REQUESTED INSTRUCTIONS
WILL BE MADE



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CONCRETE BLOCK REINFORCING
HOUSEHOLD HAZARDOUS WASTE FACILITY
SAN JOAQUIN COUNTY

Job No: 2002.017
Drawn By: LMc
Checked By: KH
Date: 7-3-2002

Revisions	By

Sheet Number

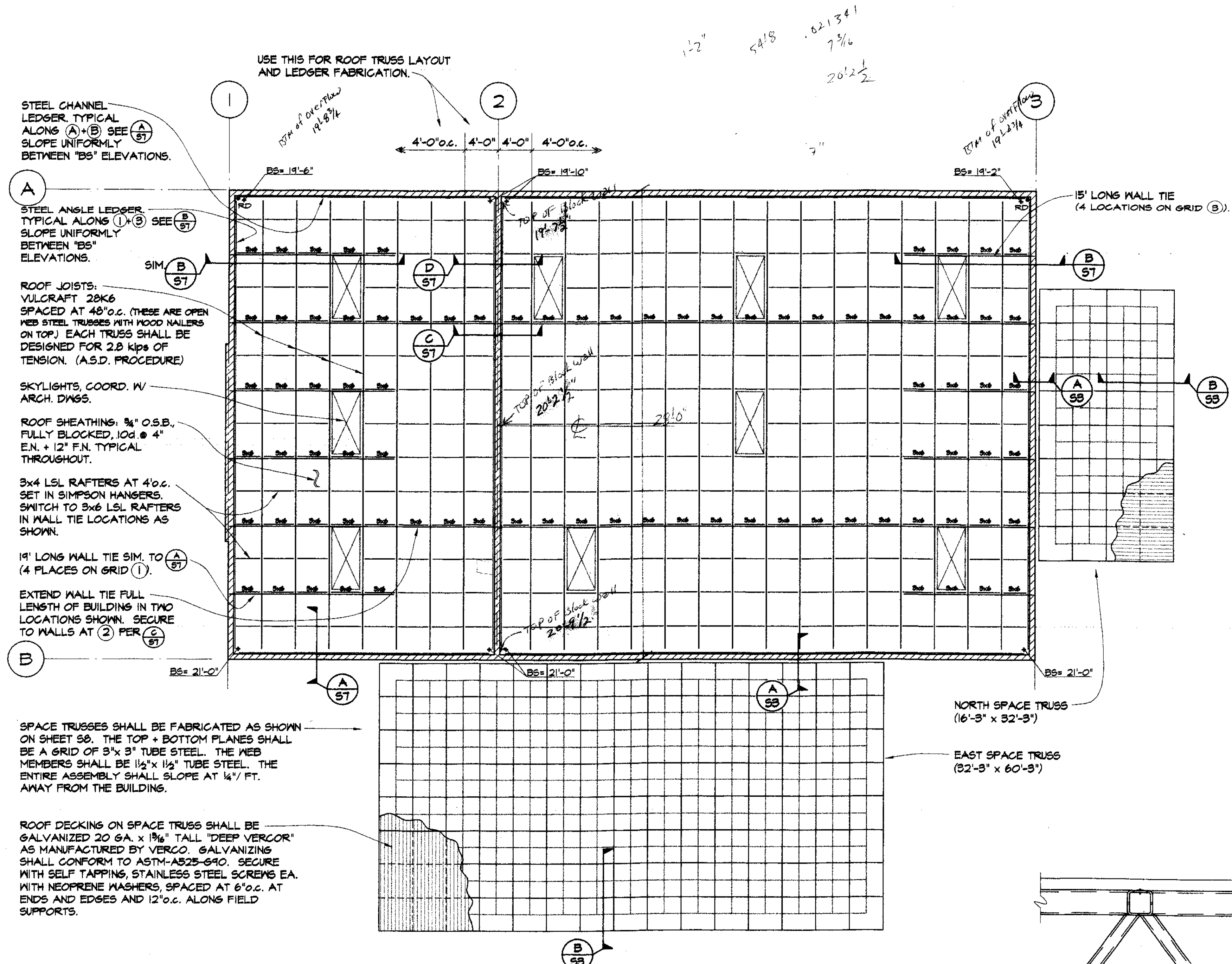
S4

4 of 83

SU 3757

CONCRETE BLOCK WALL ELEVATIONS SHOWING REINFORCING STEEL

SU 3758



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

NOTE:
 "BS" = BOTTOM OF SHEATHING ELEVATION, ALSO
 = TOP OF STEEL LEDGER ELEVATIONS.
 "LSL" = ENGINEERED LAMINATED STRANDED LUMBER
 AS MANUFACTURED BY TRUSJOIST MAC MILLAN.

USE THIS FOR ROOF TRUSS LAYOUT AND LEDGER FABRICATION.

STEEL CHANNEL LEDGER TYPICAL ALONG (A)+(B) SEE (A) ST
 SLOPE UNIFORMLY BETWEEN "BS" ELEVATIONS.

STEEL ANGLE LEDGER TYPICAL ALONG (1)+(2) SEE (B) ST
 SLOPE UNIFORMLY BETWEEN "BS" ELEVATIONS.

ROOF JOISTS: VULCRAFT 28K6 SPACED AT 48" O.C. (THESE ARE OPEN WEB STEEL TRUSSES WITH WOOD NAILEDERS ON TOP) EACH TRUSS SHALL BE DESIGNED FOR 2.8 KIIPS OF TENSION. (A.S.D. PROCEDURE)

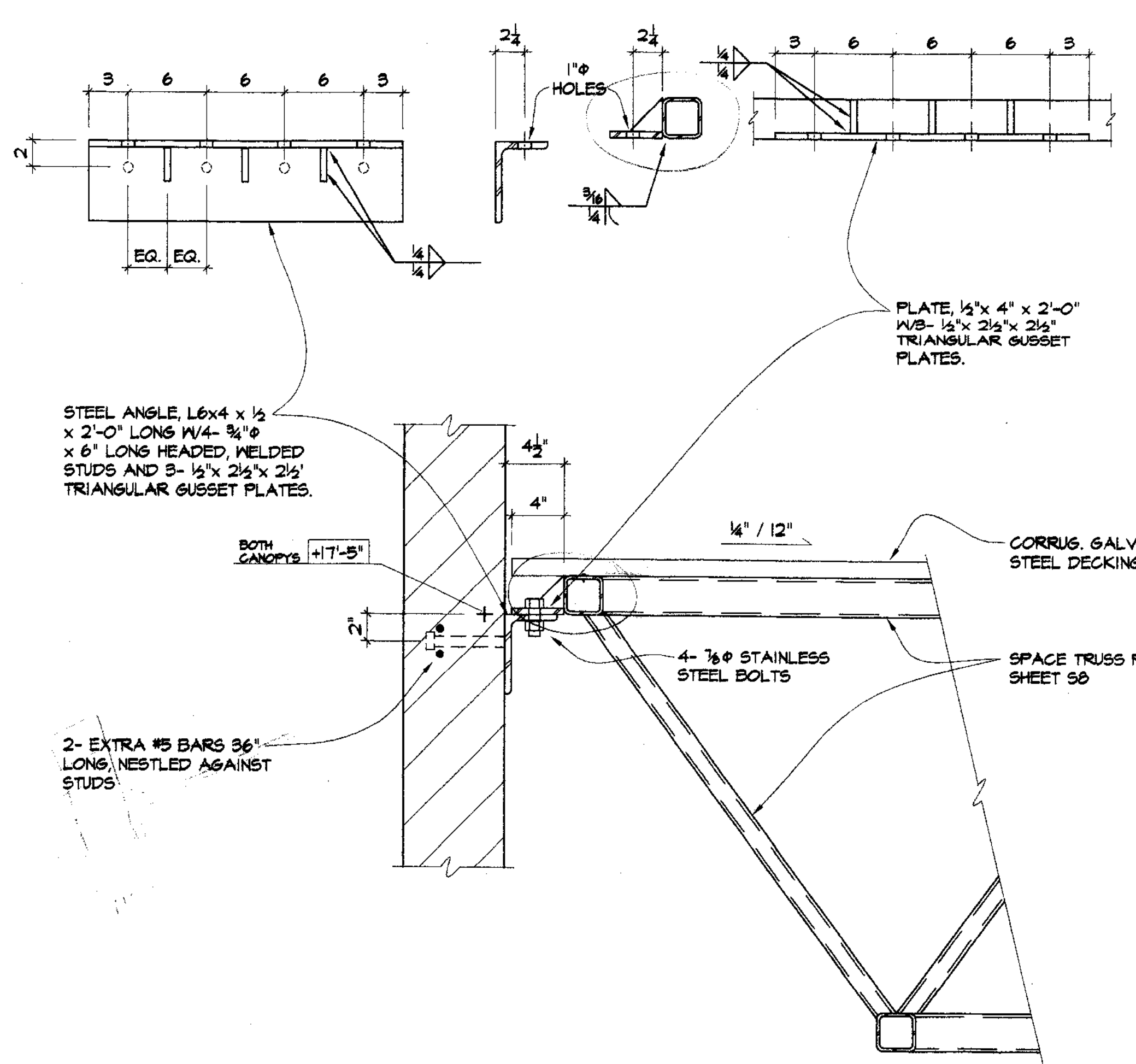
SKYLIGHTS, COORD. W/ ARCH. DWGS.

ROOF SHEATHING: 3/4" O.S.B., FULLY BLOCKED, 10d @ 4" E.N. + 12" F.N. TYPICAL THROUGHOUT.

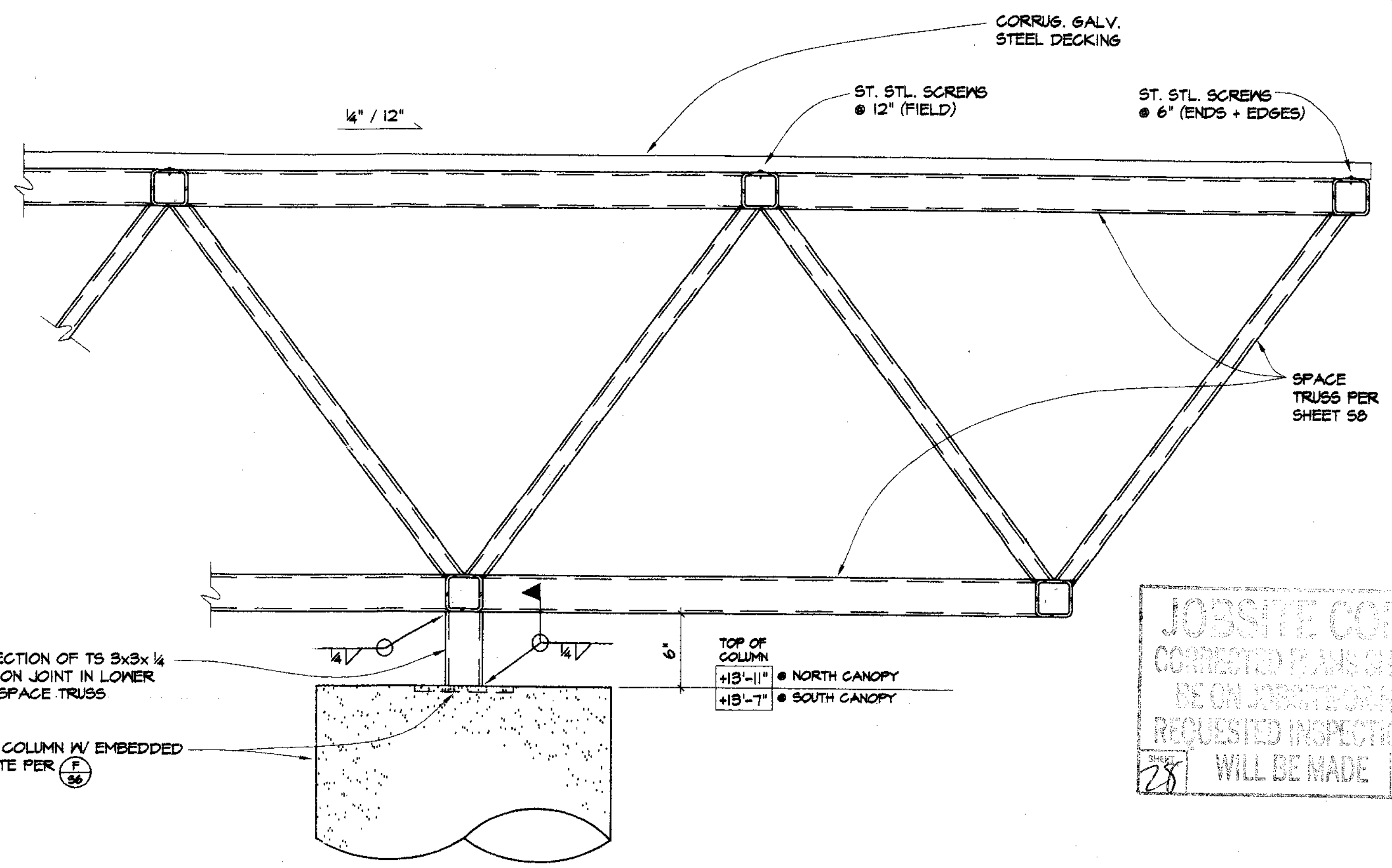
3x4 LSL RAFTERS AT 4' O.C. SET IN SIMPSON HANGERS. SWITCH TO 3x6 LSL RAFTERS IN WALL TIE LOCATIONS AS SHOWN.

15' LONG WALL TIE SIM. TO (A) ST (4 PLACES ON GRID (1)).

EXTEND WALL TIE FULL LENGTH OF BUILDING IN TWO LOCATIONS SHOWN. SECURE TO WALLS AT (2) PER (B) ST

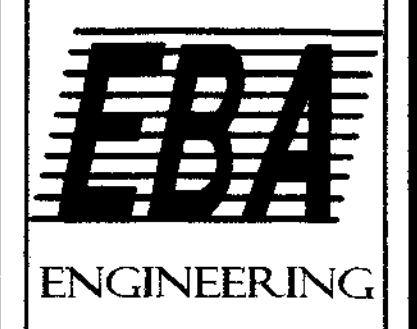


CONNECTION DETAIL - SPACE TRUSS TO WALL
1/2"=1'-0"

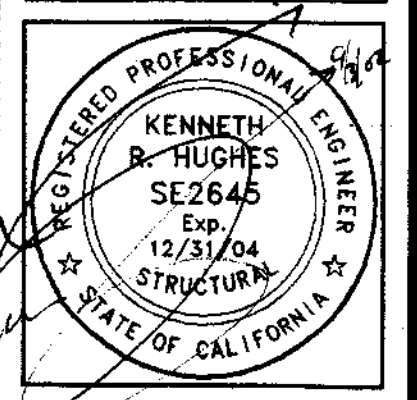


CONNECTION DETAIL - SPACE TRUSS TO COLUMN
1/2"=1'-0"

JOBSITE COPY
 CORRECTED PLANS SHALL
 BE ON JOBSITE OR NO
 REQUESTED INSPECTIONS
 WILL BE MADE



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 Lafayette, California 94702
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 Fax: 925/284-7492

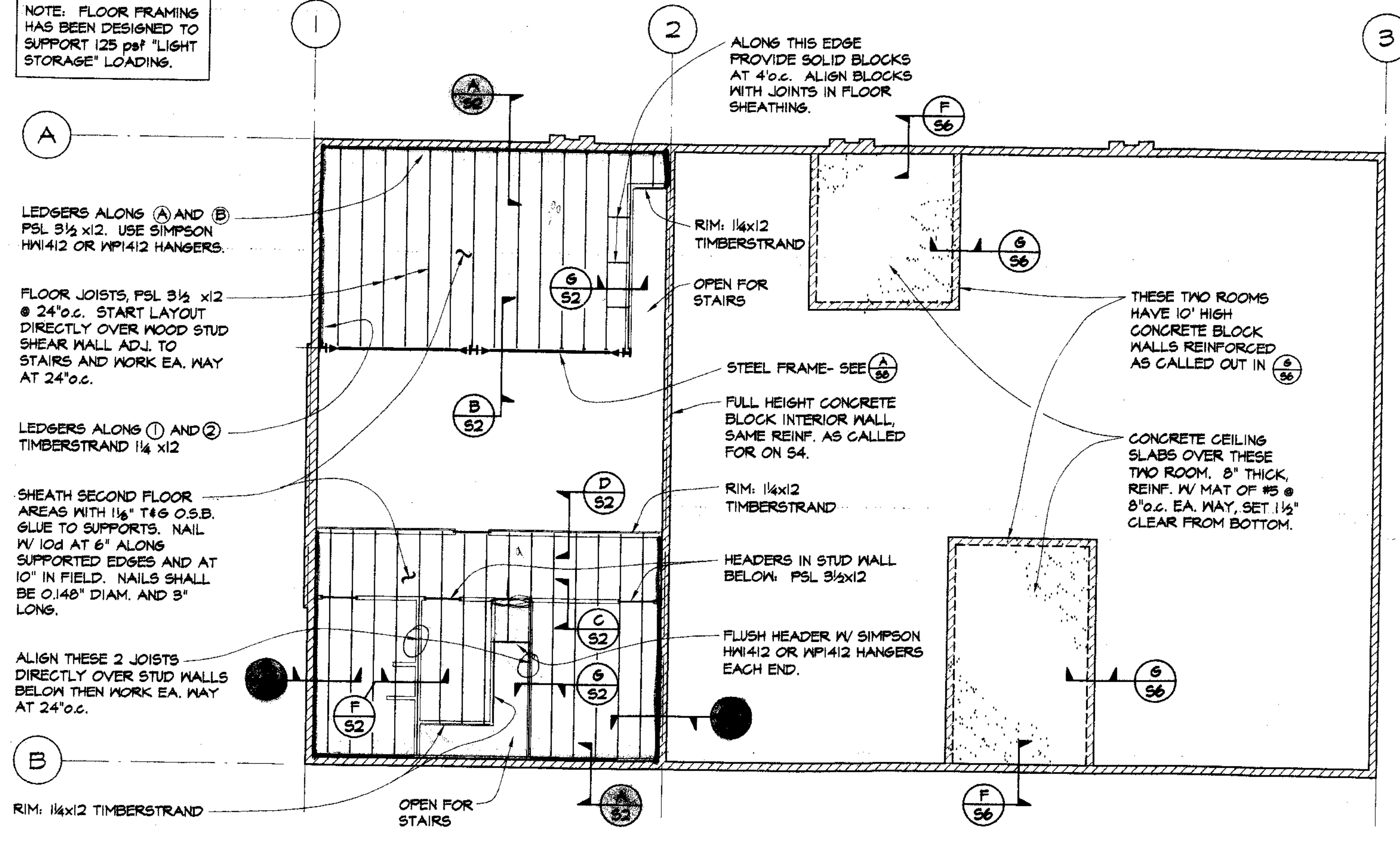
ROOF FRAMING PLAN
 HOUSEHOLD HAZARDOUS WASTE FACILITY
 SAN JOAQUIN COUNTY

Job No: 2002.017
 Drawn By: LMc
 Checked By: KH
 Date: 7-3-2002

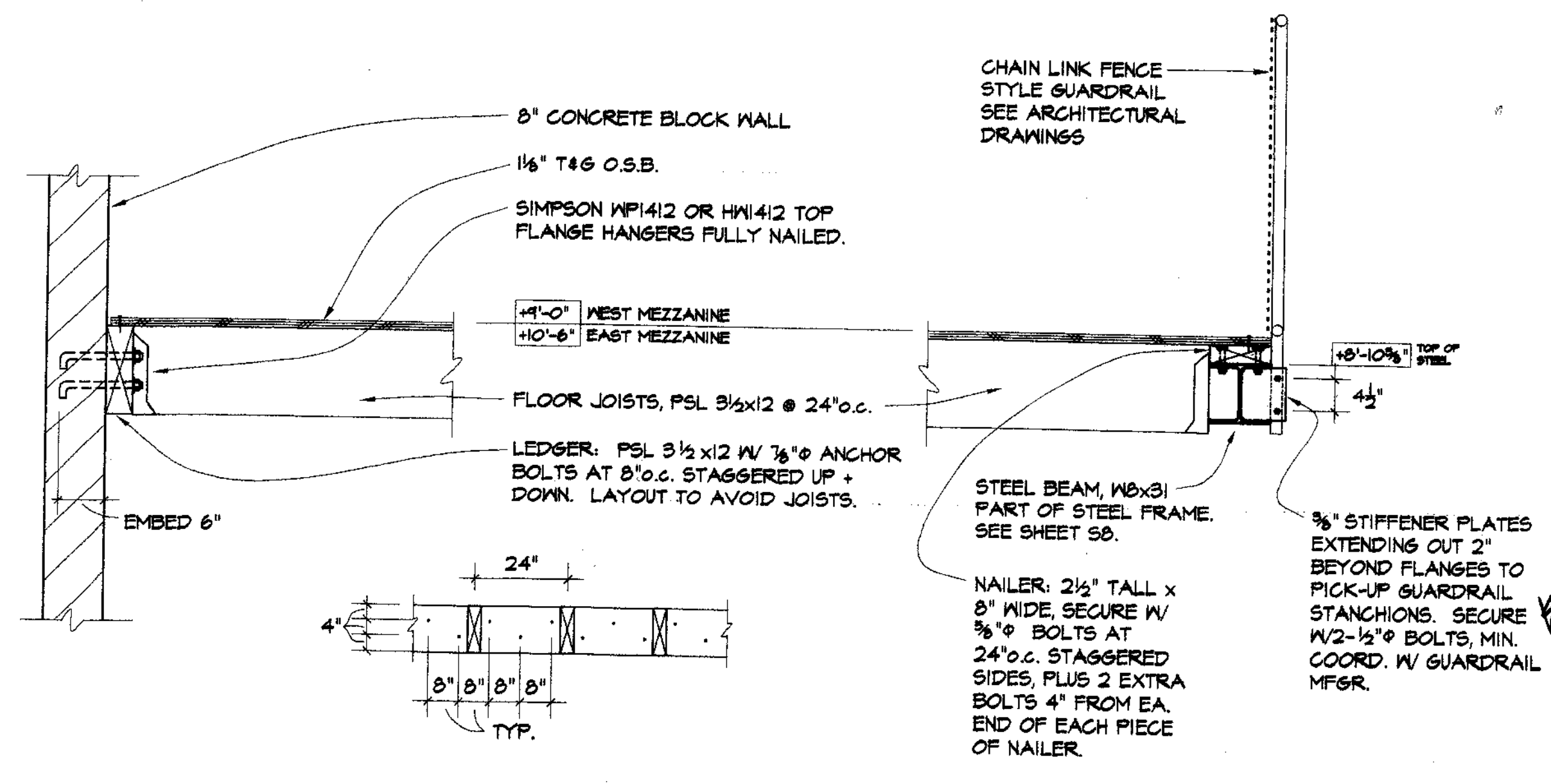
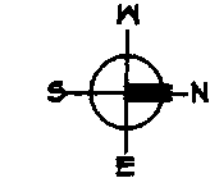
Revisions	By

Sheet Number
S3
 3 of 8

NOTE: FLOOR FRAMING HAS BEEN DESIGNED TO SUPPORT 125 psf "LIGHT STORAGE" LOADING.

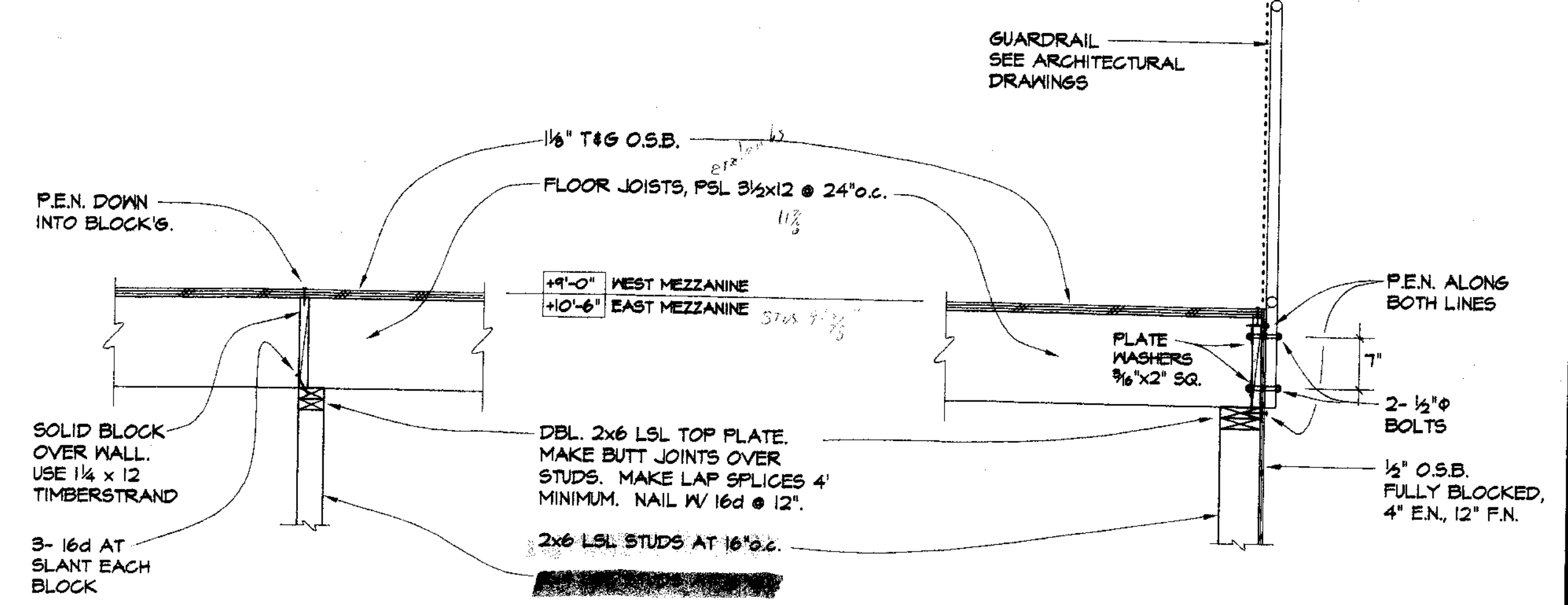


SECOND FLOOR FRAMING PLAN AND CEILING PLAN
1/8"=1'-0"



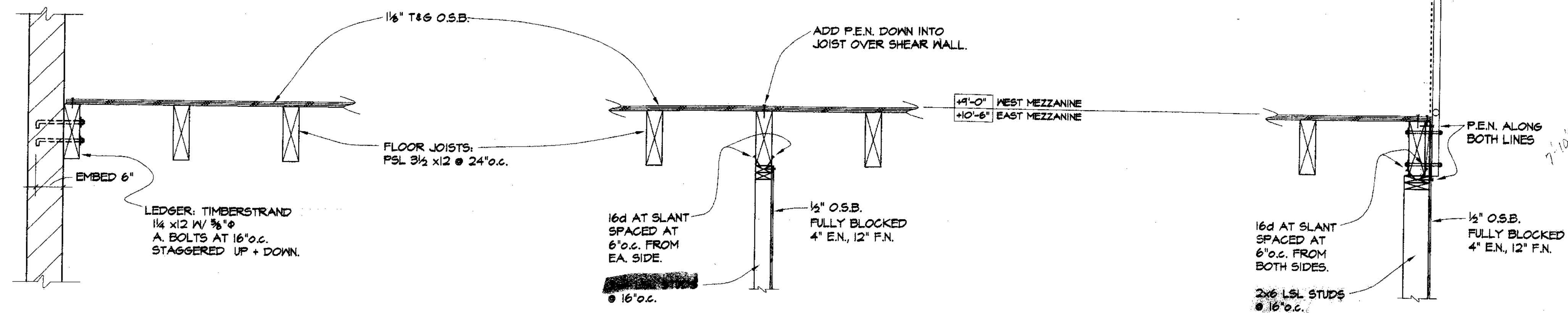
SECTION A-B
3/4"=1'-0"

SECTION B-C
3/4"=1'-0"



SECTION C-D
3/4"=1'-0"

SECTION D-E
3/4"=1'-0"

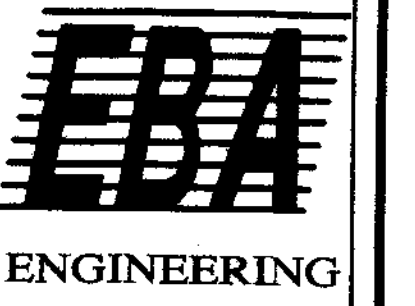


SECTION F-G
3/4"=1'-0"

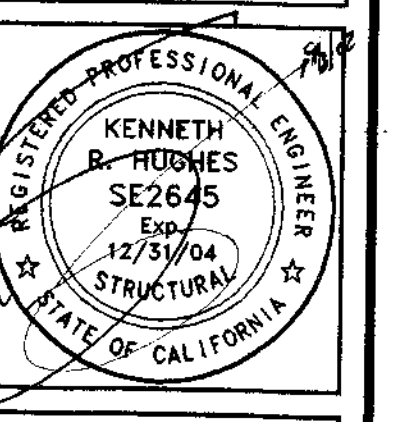
SECTION G-H
3/4"=1'-0"

SECTION H-I
3/4"=1'-0"

JOBSITE COPY
CORRECTED ITEMS SHALL
BE ON JOBSITE OR NO
REQUESTED INSPECTIONS
WILL BE MADE



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Fax: 925/284-7492

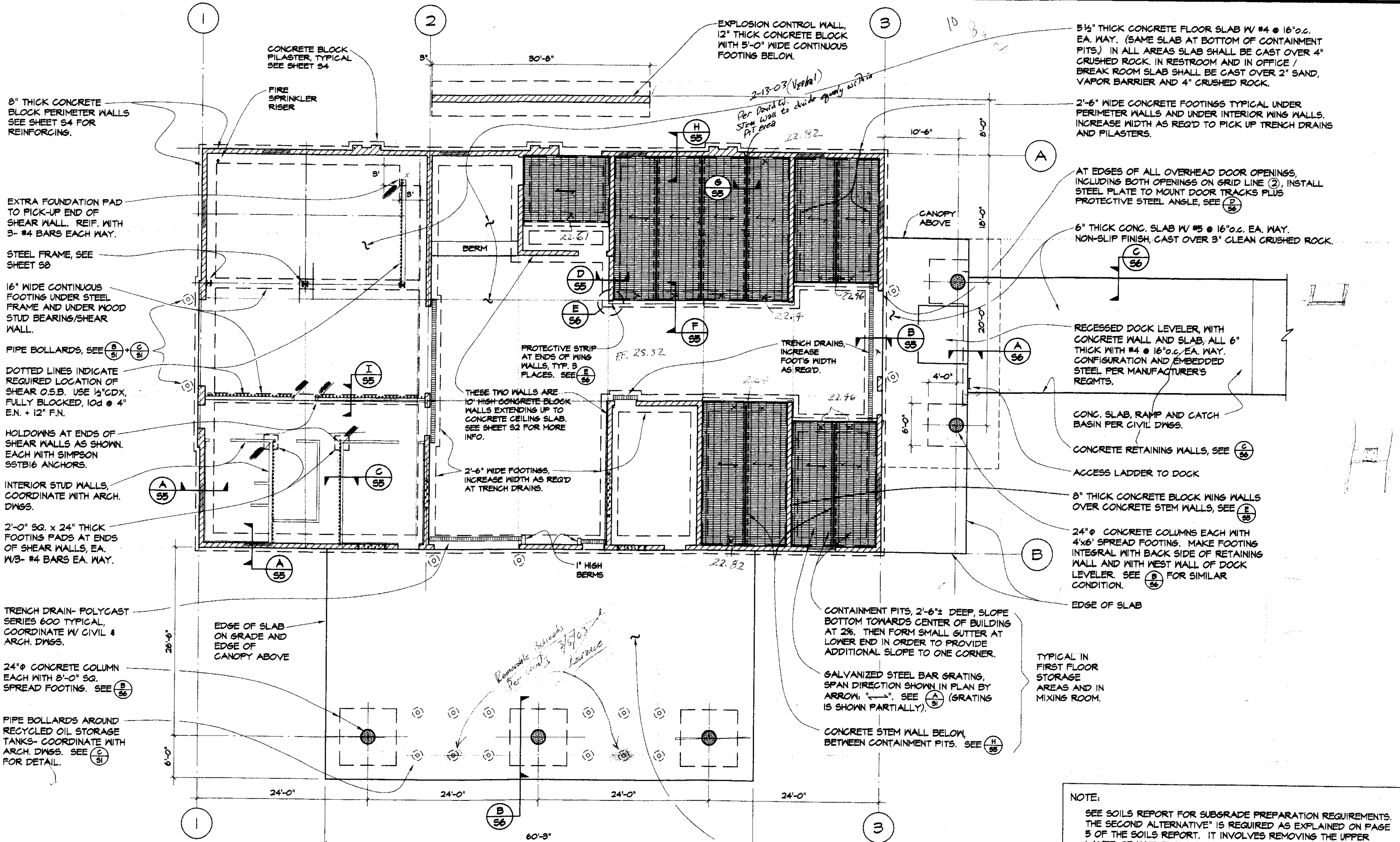
SECOND FLOOR FRAMING PLAN AND CEILING PLAN
HOUSEHOLD HAZARDOUS WASTE FACILITY
SAN JOAQUIN COUNTY

Job No: 2002.017
Drawn By: LMc
Checked By: KH
Date: Jul 10, 2002

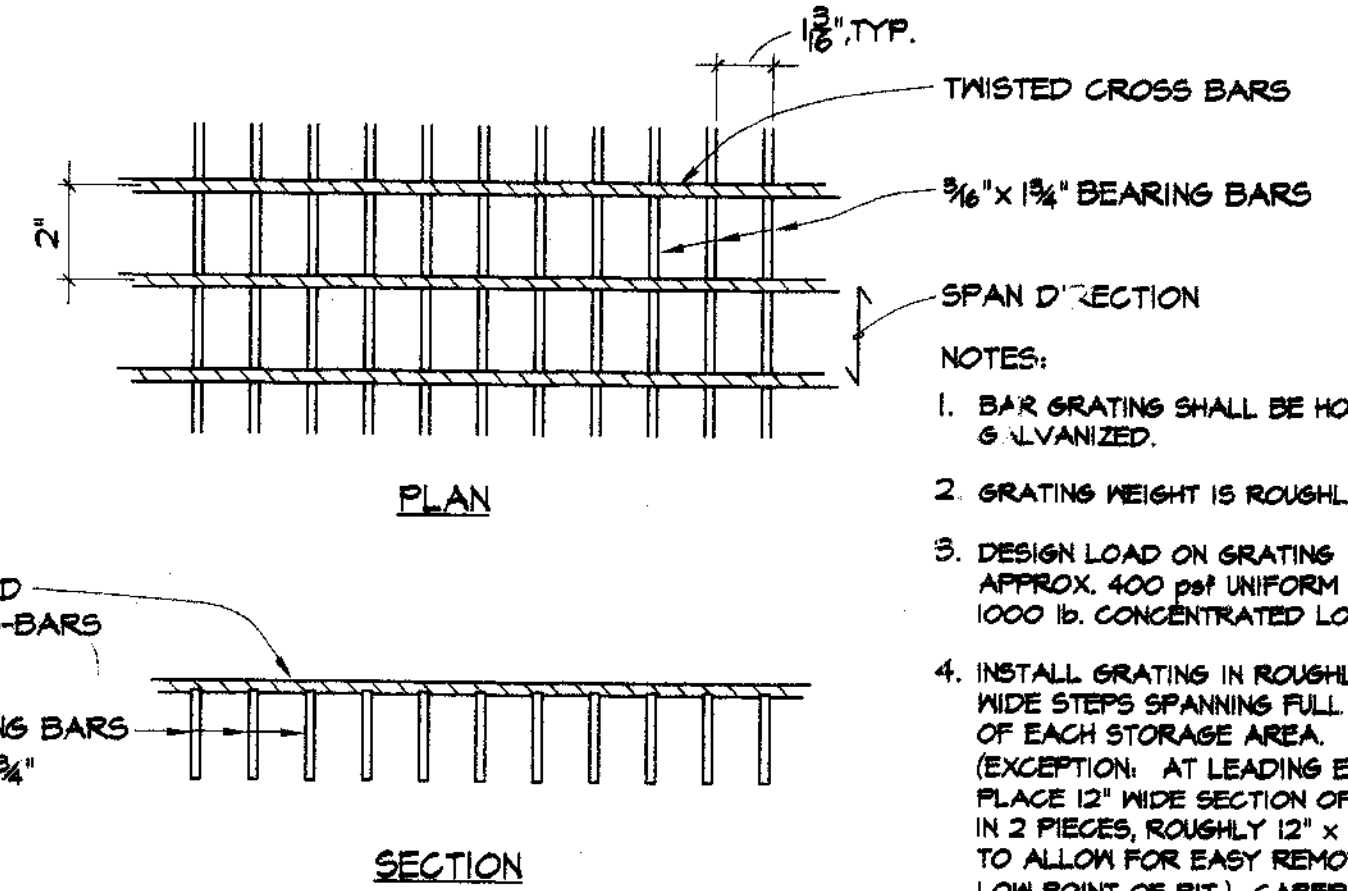
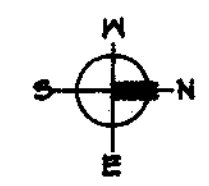
Revisions	By

Sheet Number
S2
2 of 8

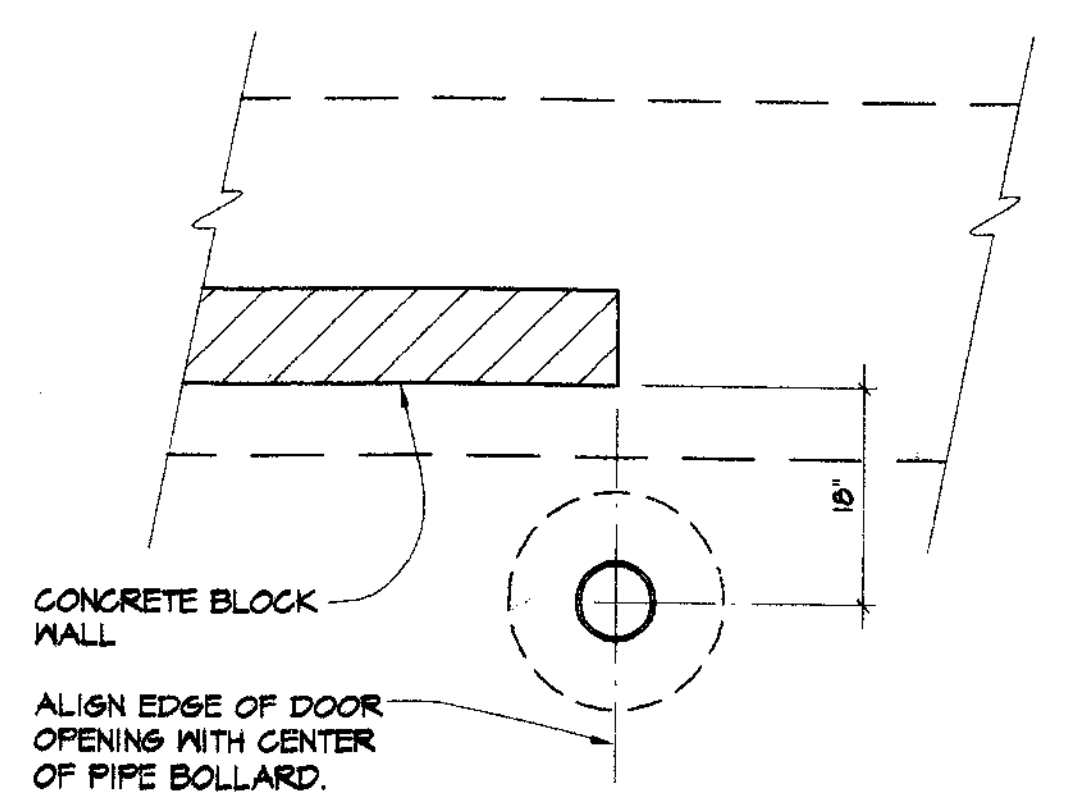
SU 3759



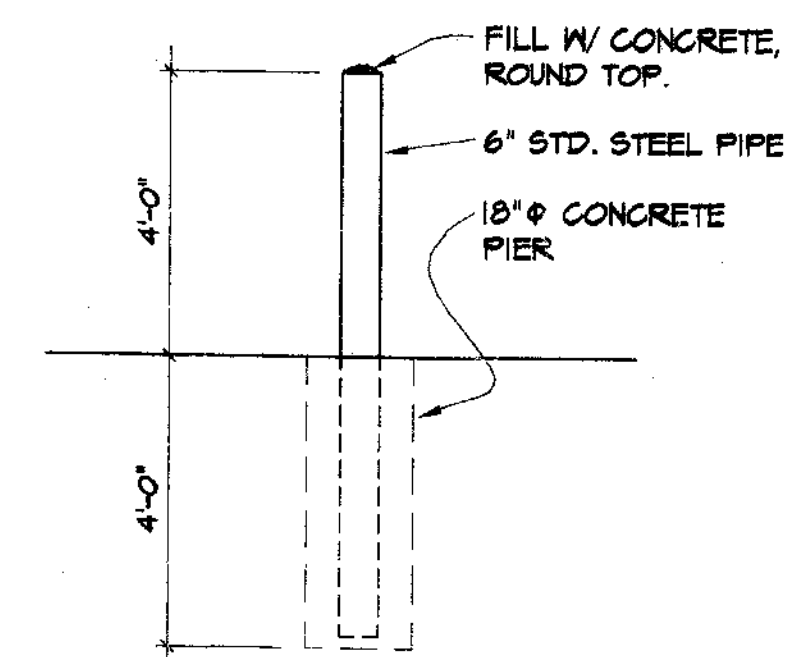
FOUNDATION PLAN
1/8"=1'-0"



DETAIL - GALVANIZED STEEL BAR GRATING (A) (S)



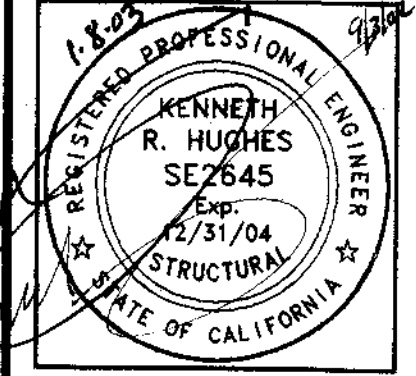
PLAN - PIPE BOLLARD DETAIL (B) (S)



PIPE BOLLARD DETAIL (C) (S)



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FOUNDATION PLAN
HOUSEHOLD HAZARDOUS WASTE FACILITY
 SAN JOAQUIN COUNTY

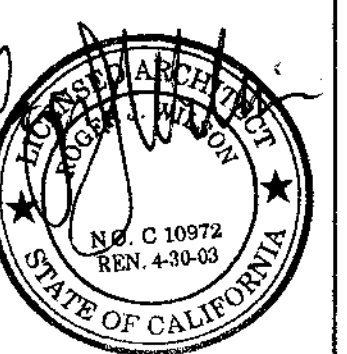
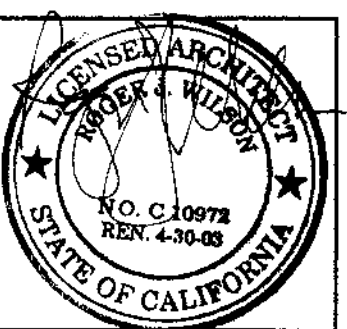
JOBSITE COPY
CORRECTED PER
DELETED/REMOVED
REQUESTED REVISIONS
26 WILL BE MADE 42

Job No: 2002.017
Drawn By: LMc
Checked By: KH
Date: 7-3-2002

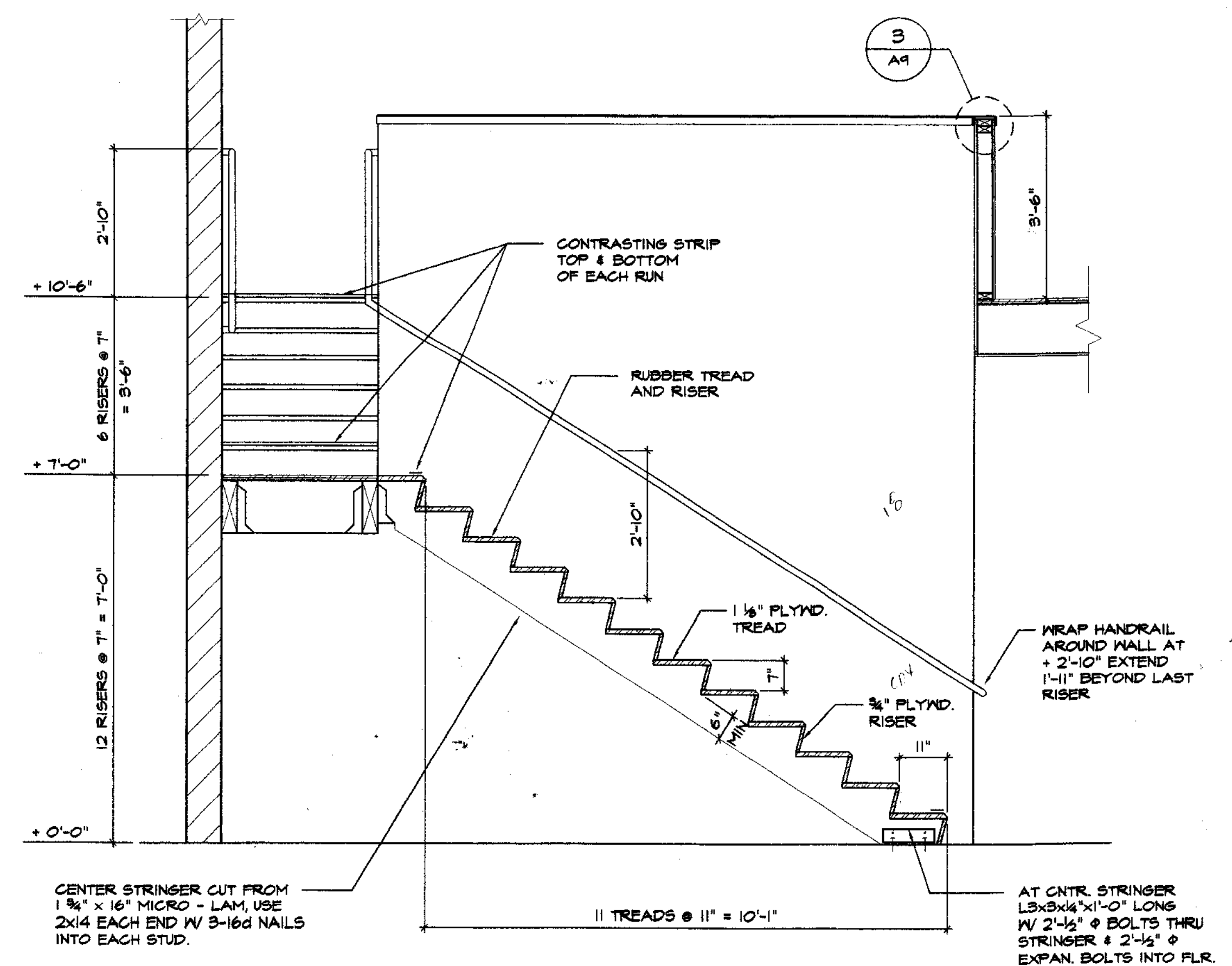
Revisions	By

Sheet Number
31
1 of 3

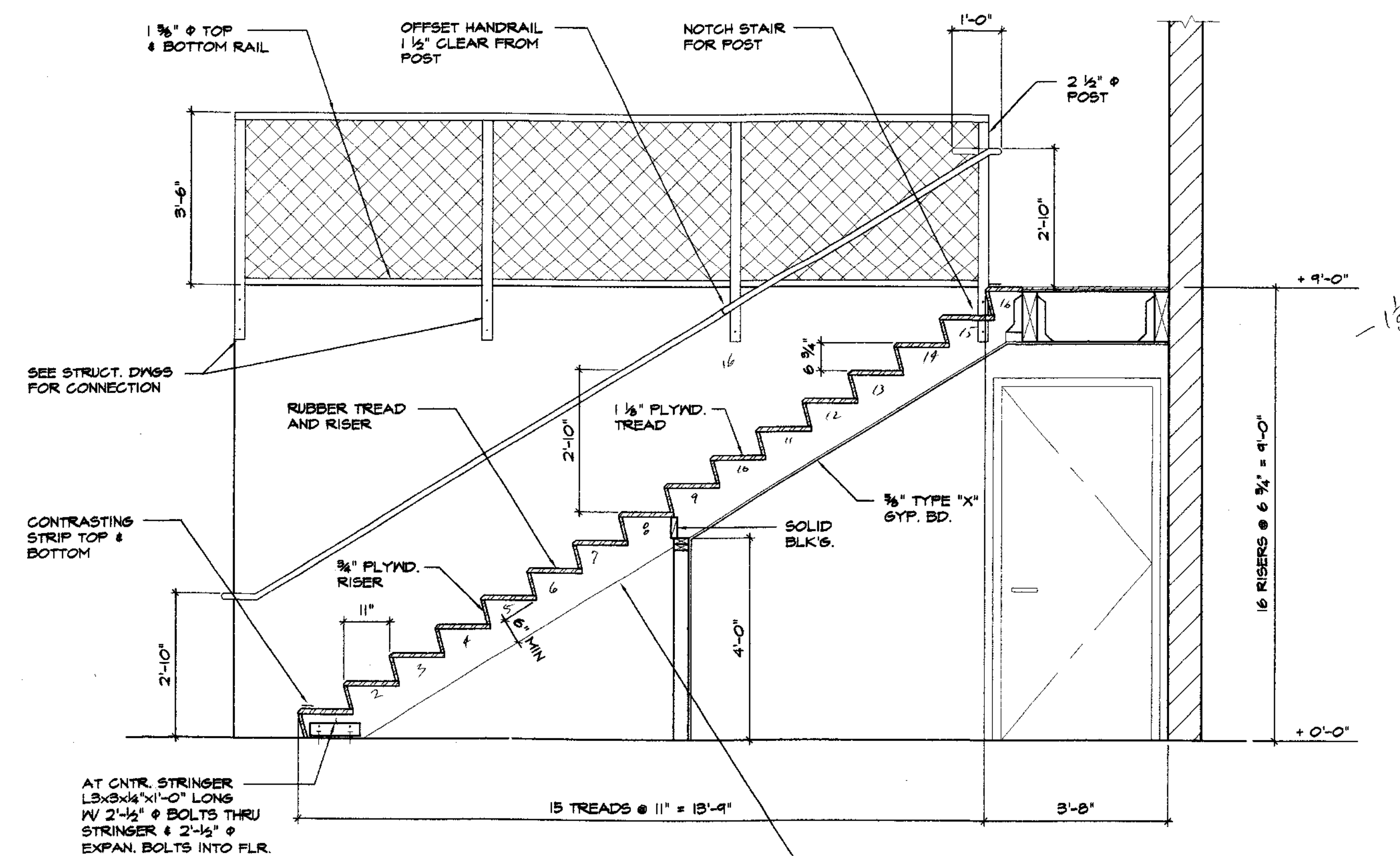
SU 3760



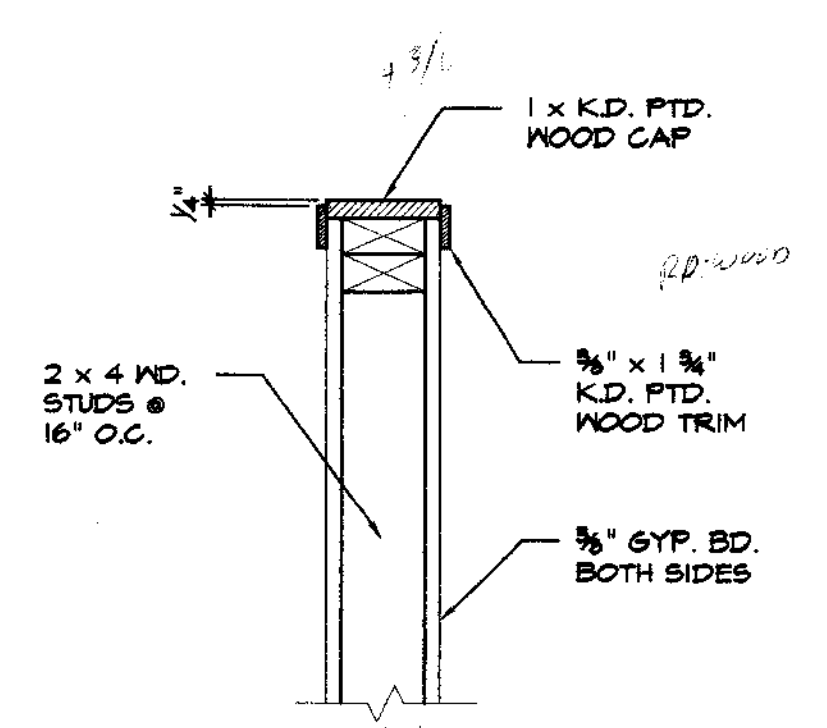
Revisions	By



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



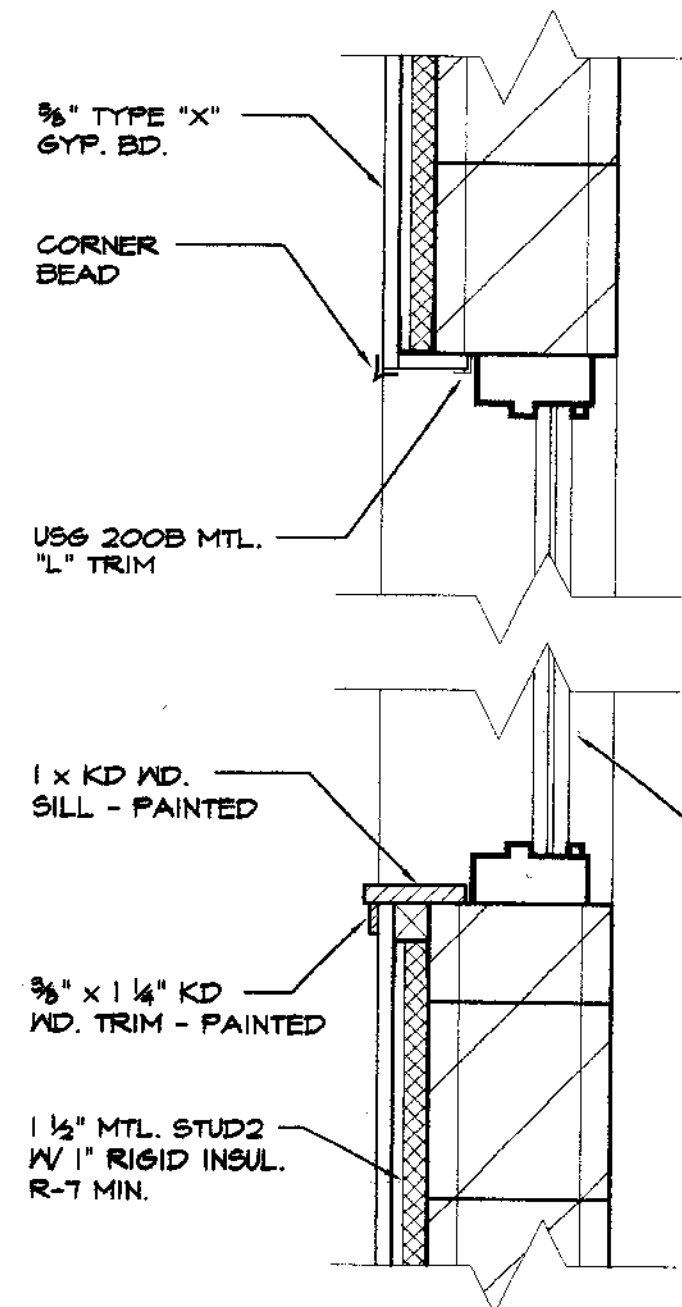
2 SECTION
1/2" = 1'-0"



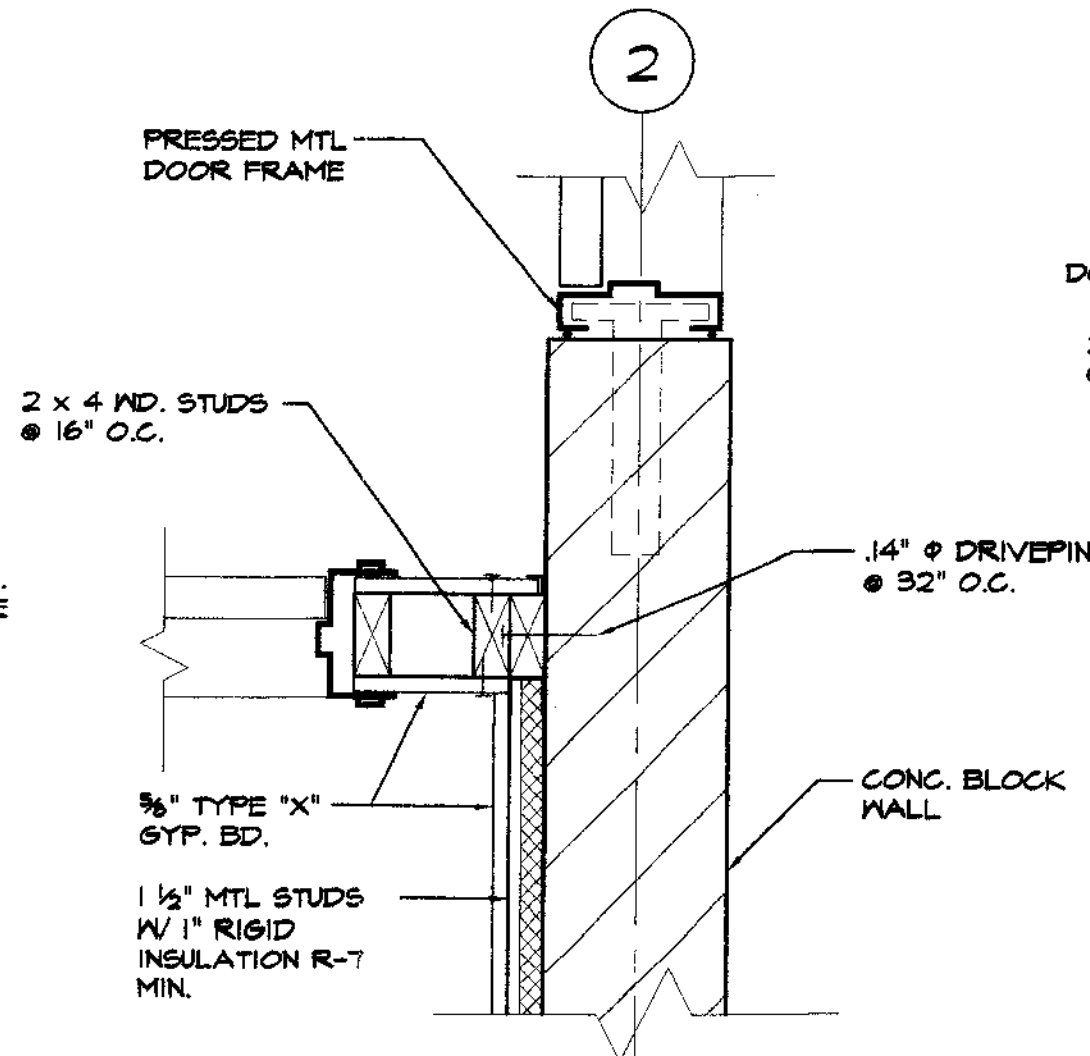
3 DETAIL
1/2" = 1'-0"

JOB SITE COPY
COMPLETION WILL
BE ON 07/27/02
IF REQUESTED INSPECTIONS
WILL BE MADE

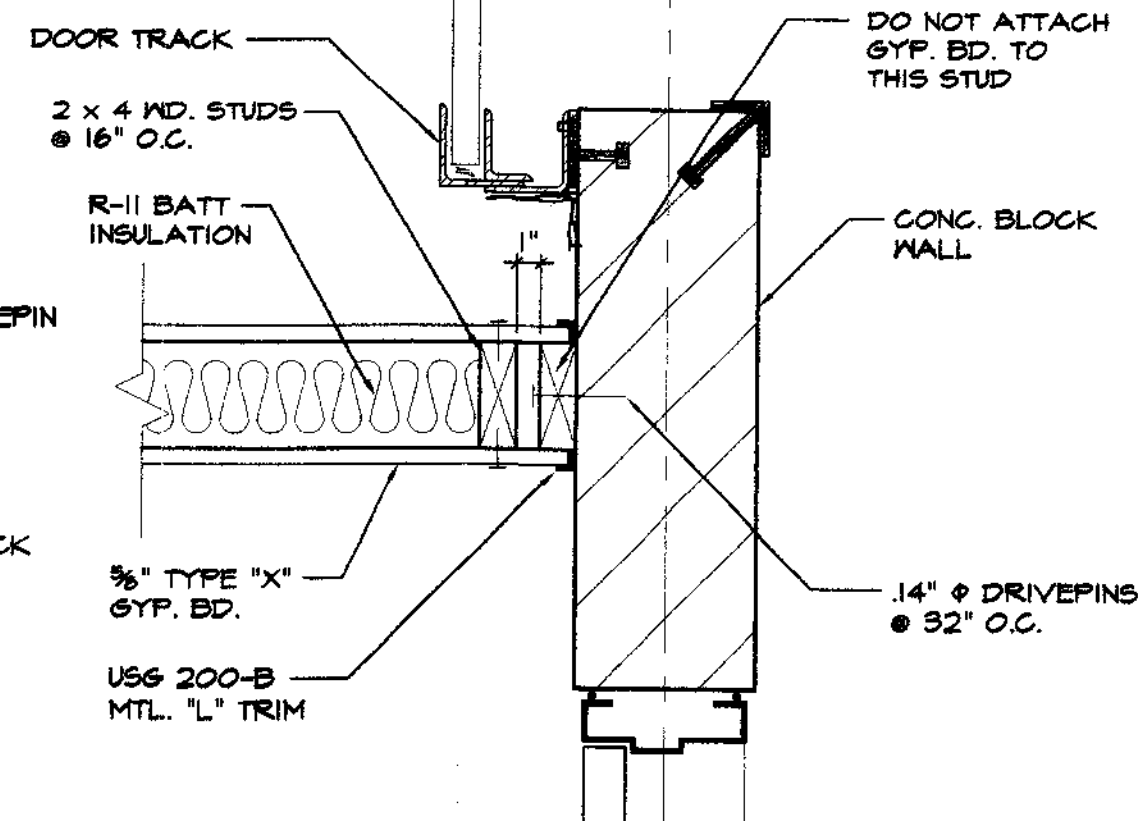
Su 3761



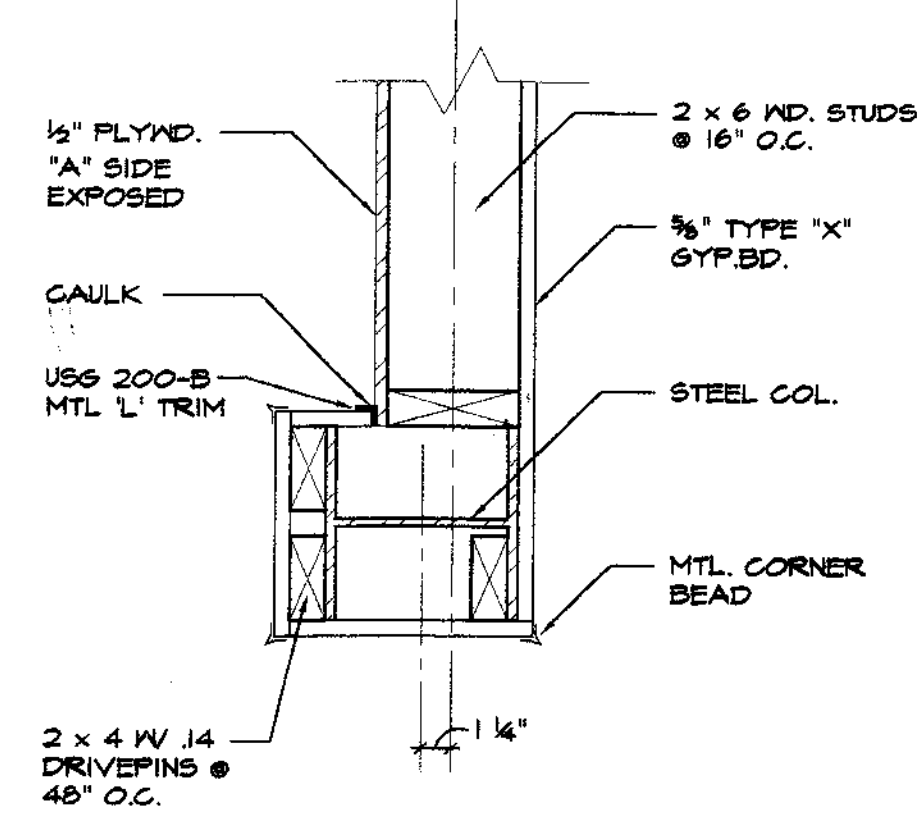
1 DETAIL
1 1/2" = 1'-0"



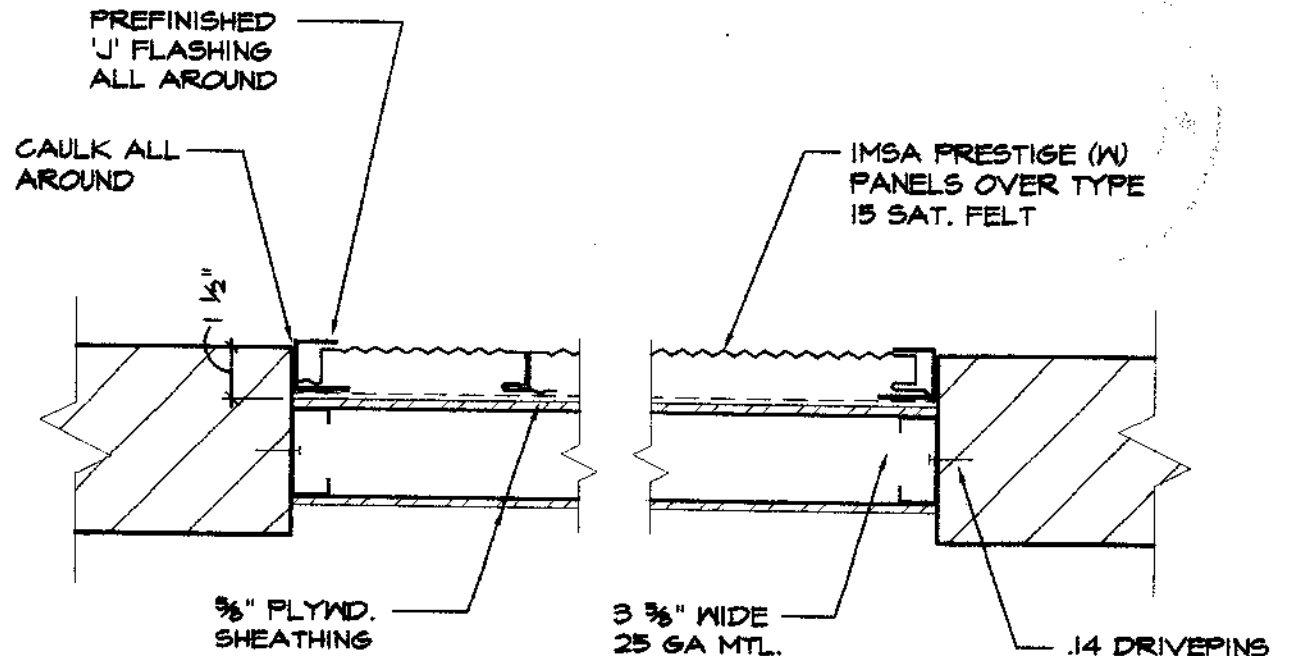
2 DETAIL
1 1/2" = 1'-0"



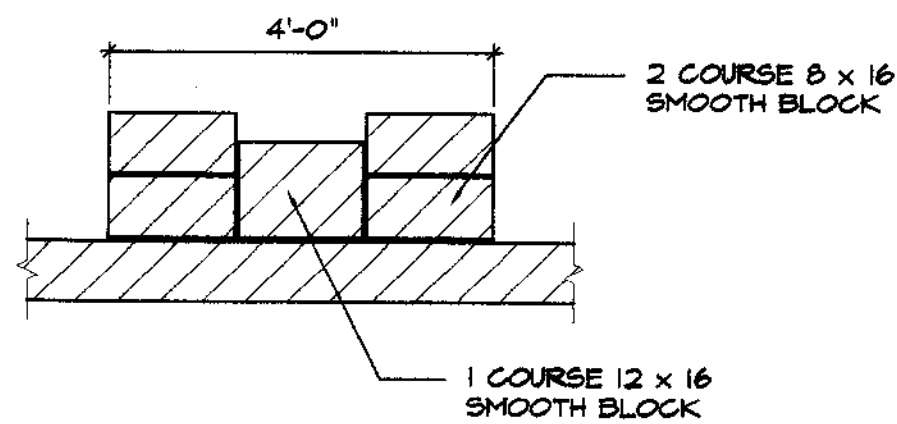
3 DETAIL
1 1/2" = 1'-0"



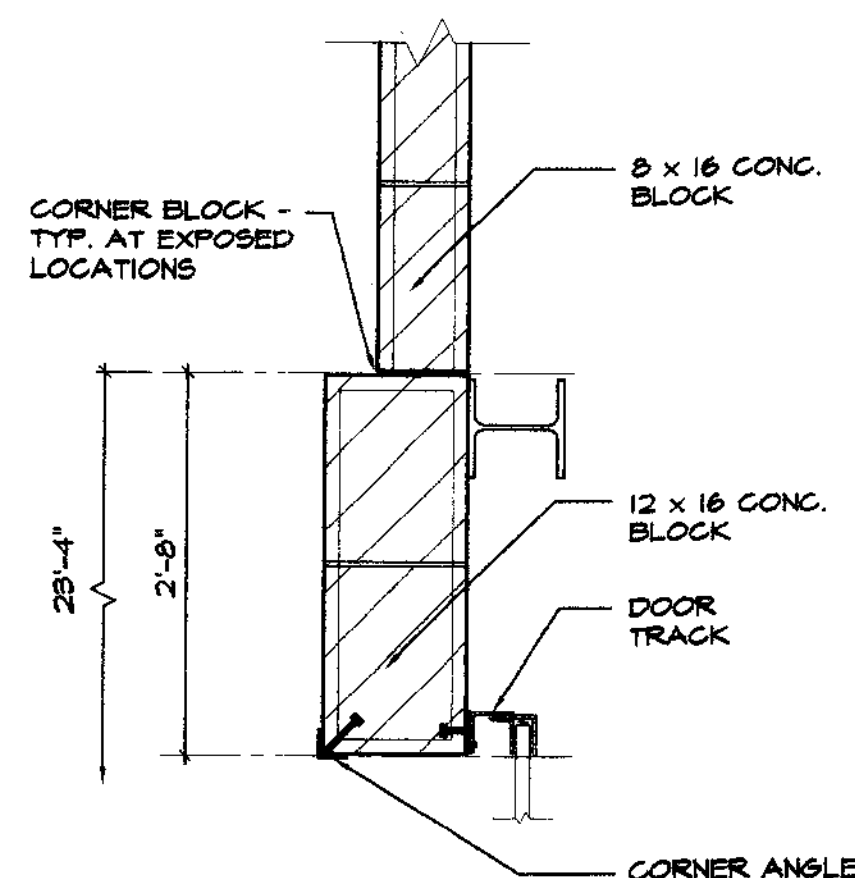
4 DETAIL
1 1/2" = 1'-0"



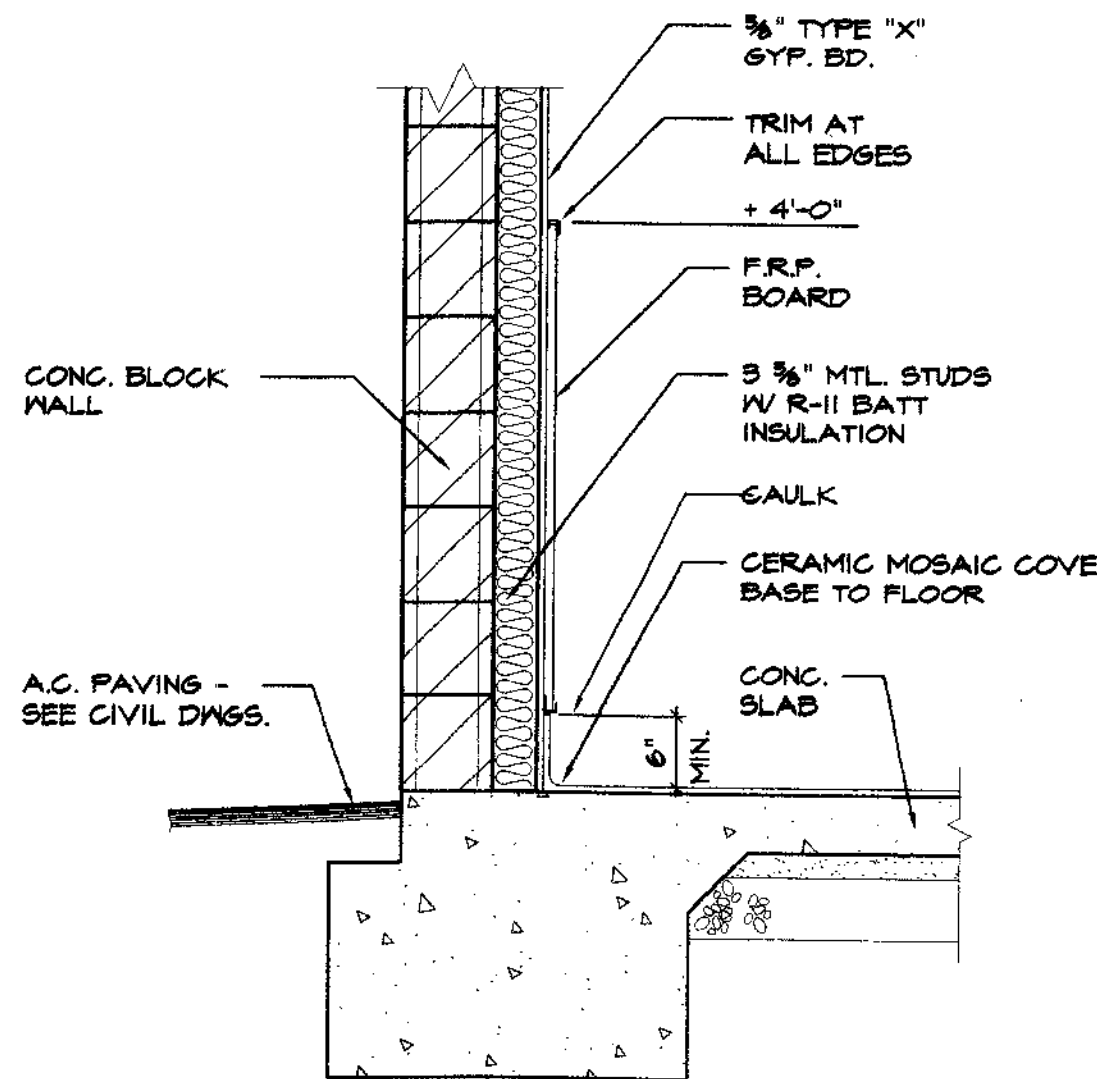
5 DETAIL
1 1/2" = 1'-0"



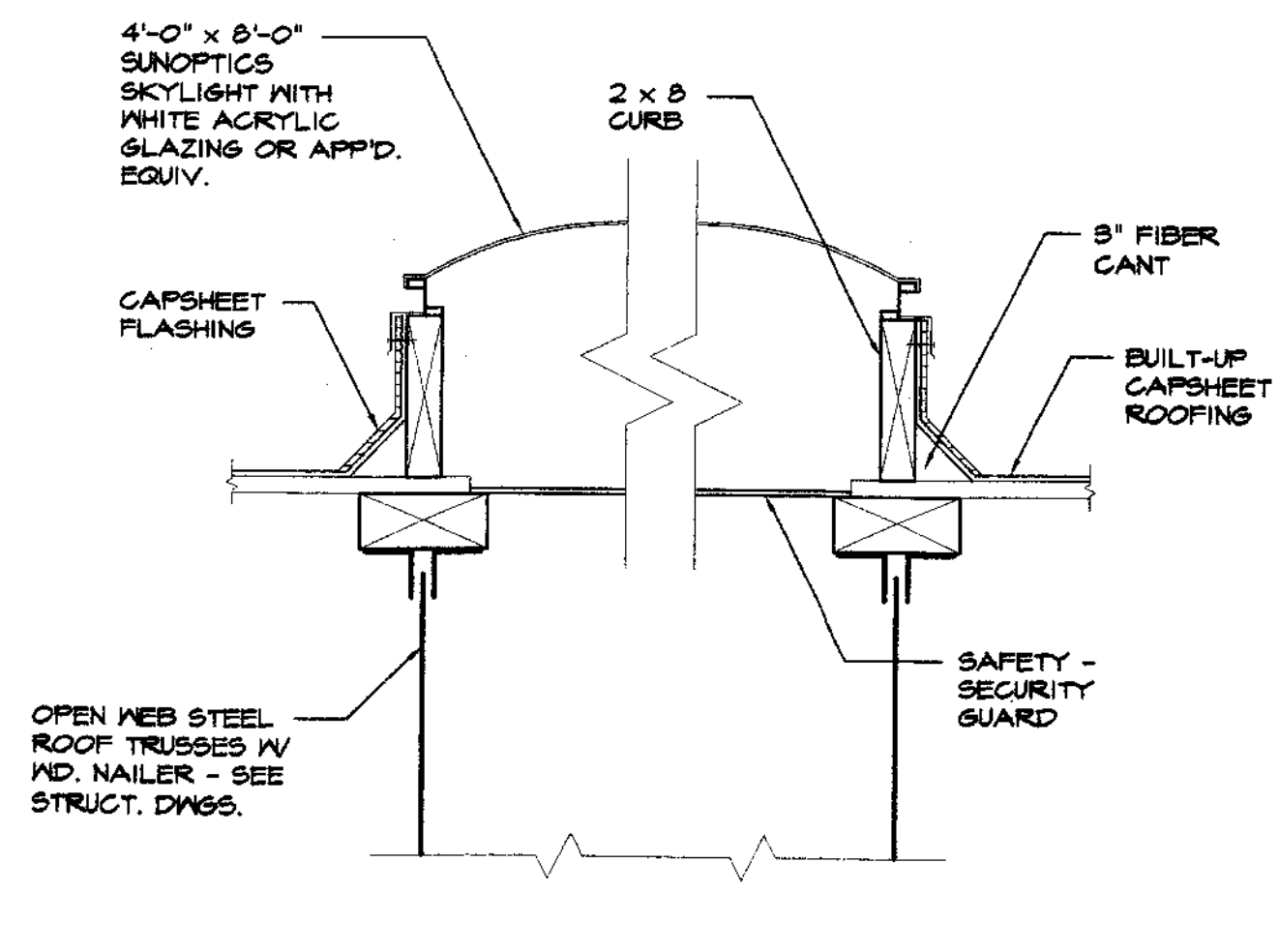
6 PILASTER DETAIL
1/2" = 1'-0"



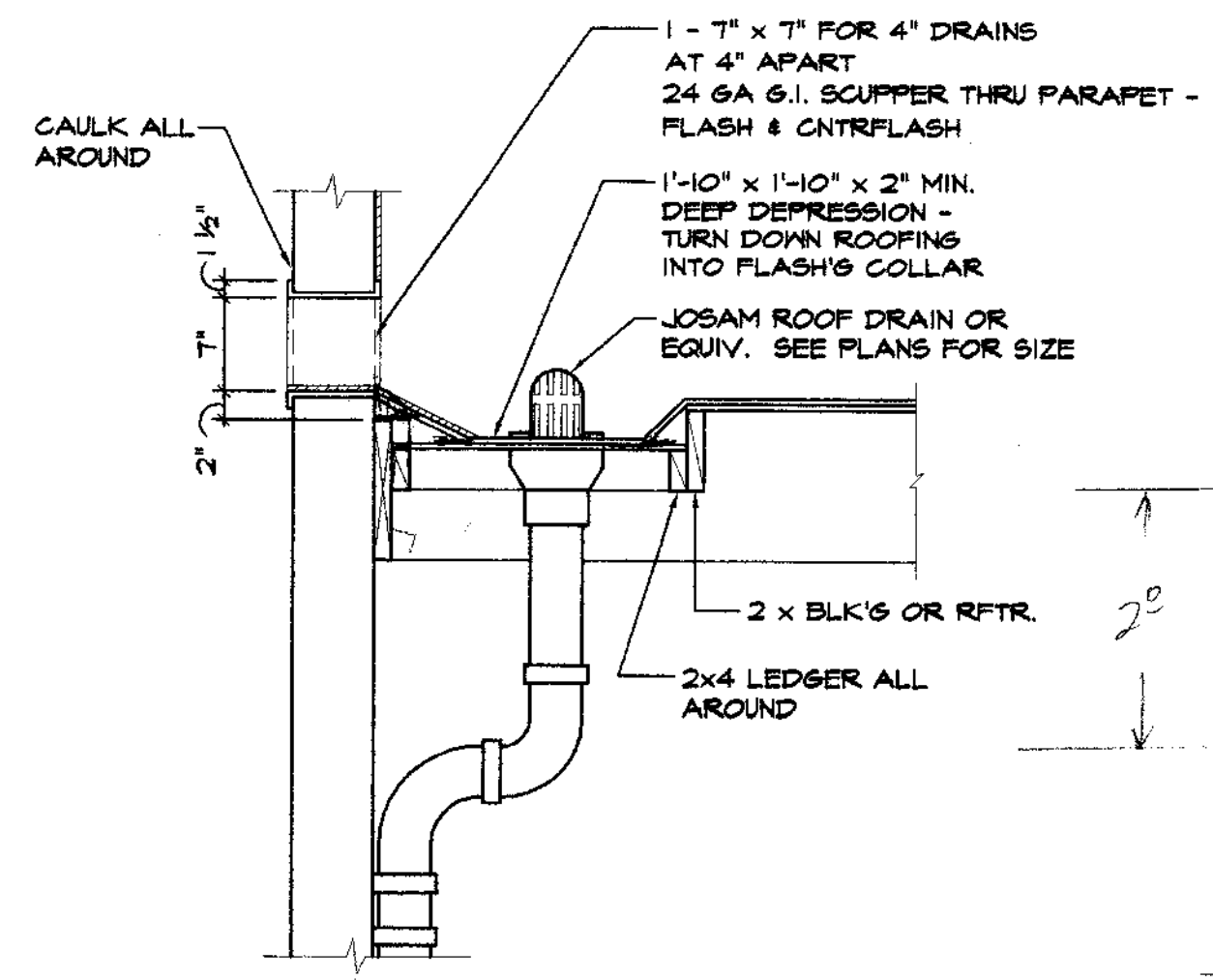
7 DETAIL
3/4" = 1'-0"



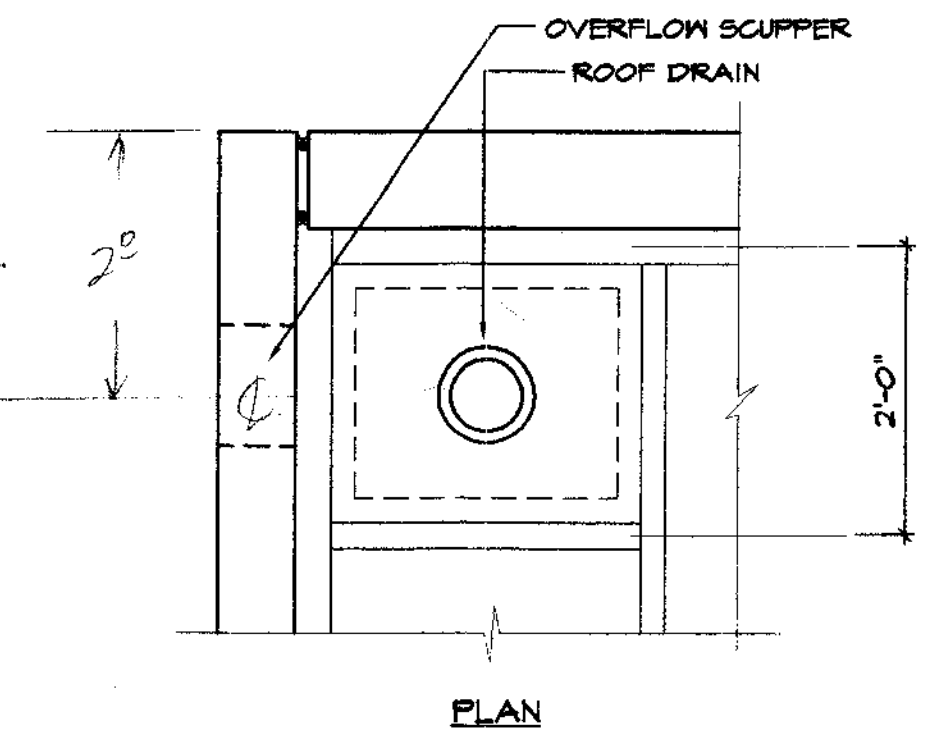
8 SECTION
3/4" = 1'-0"



9 DETAIL
1 1/2" = 1'-0"



10 DETAIL
N.T.S.



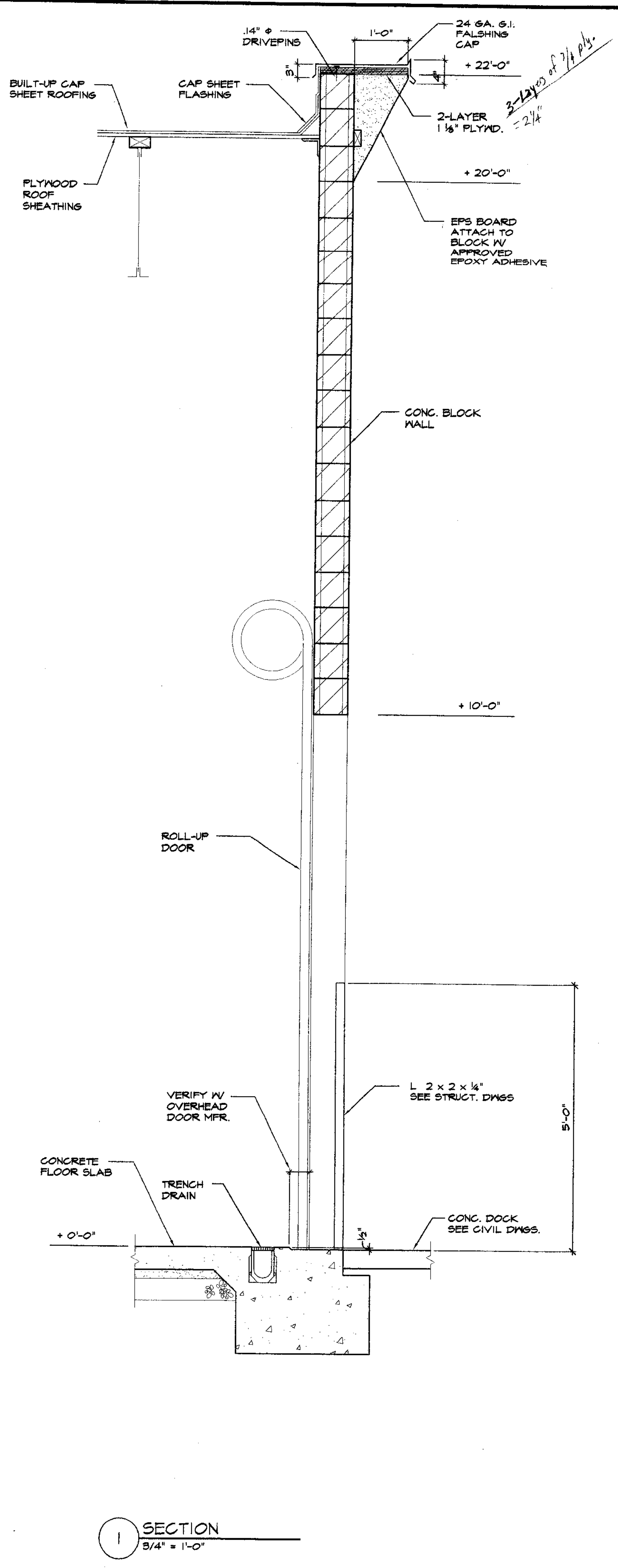
PLAN

JUST A COPY
NO NEED FOR ORIGINAL
IF ON A SITE TO BE
REMOVED OR DESTROYED
2A WILL BRWADE A2

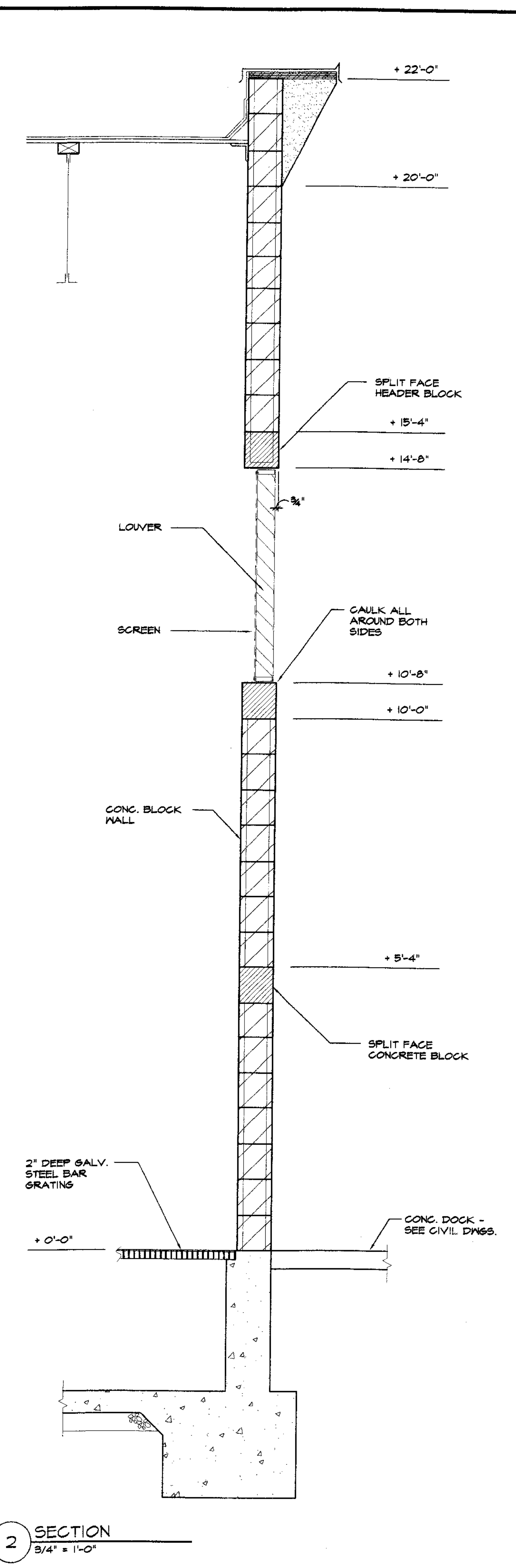
Revisions	By

SU 3762

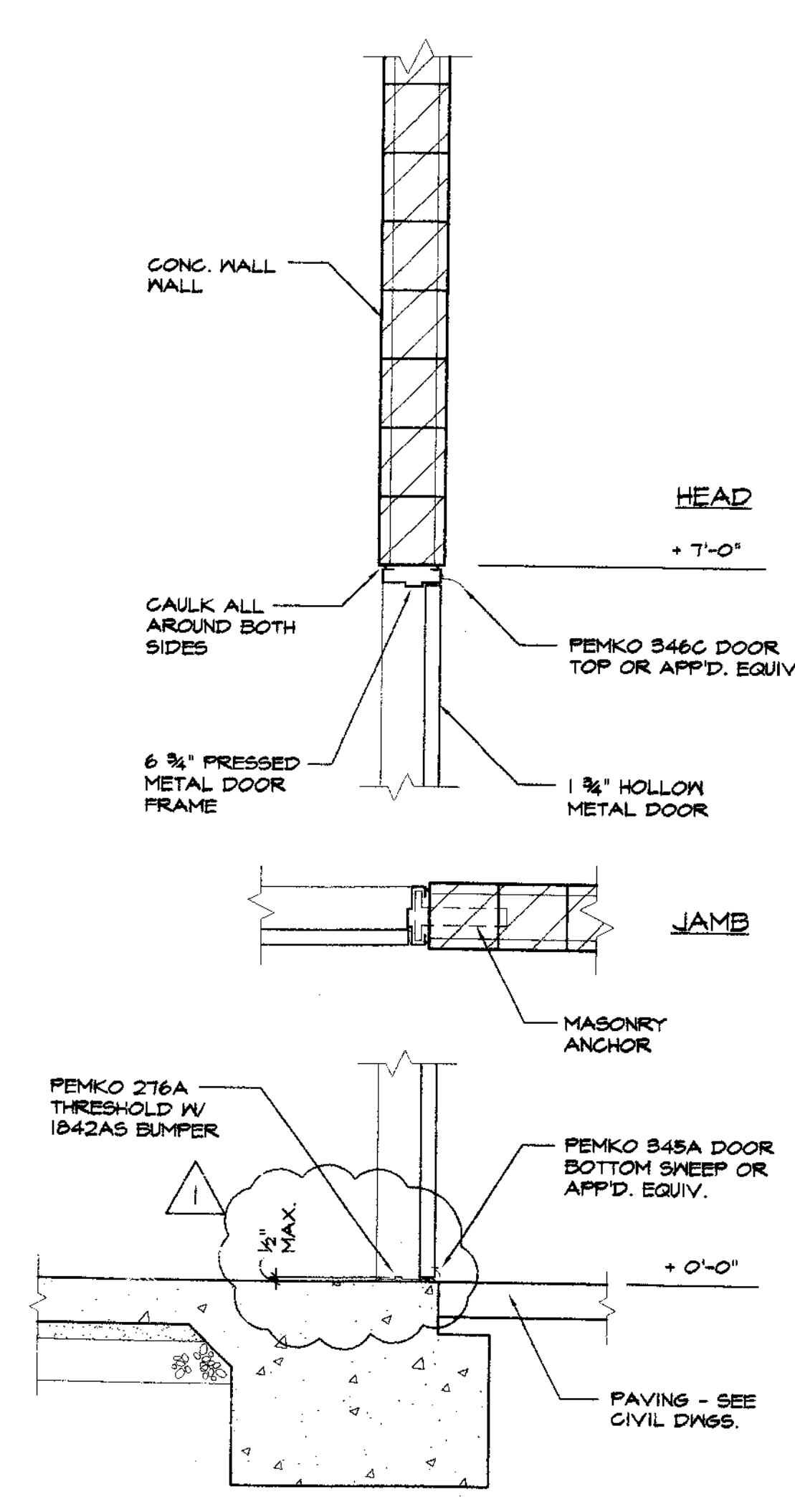
SU 3763



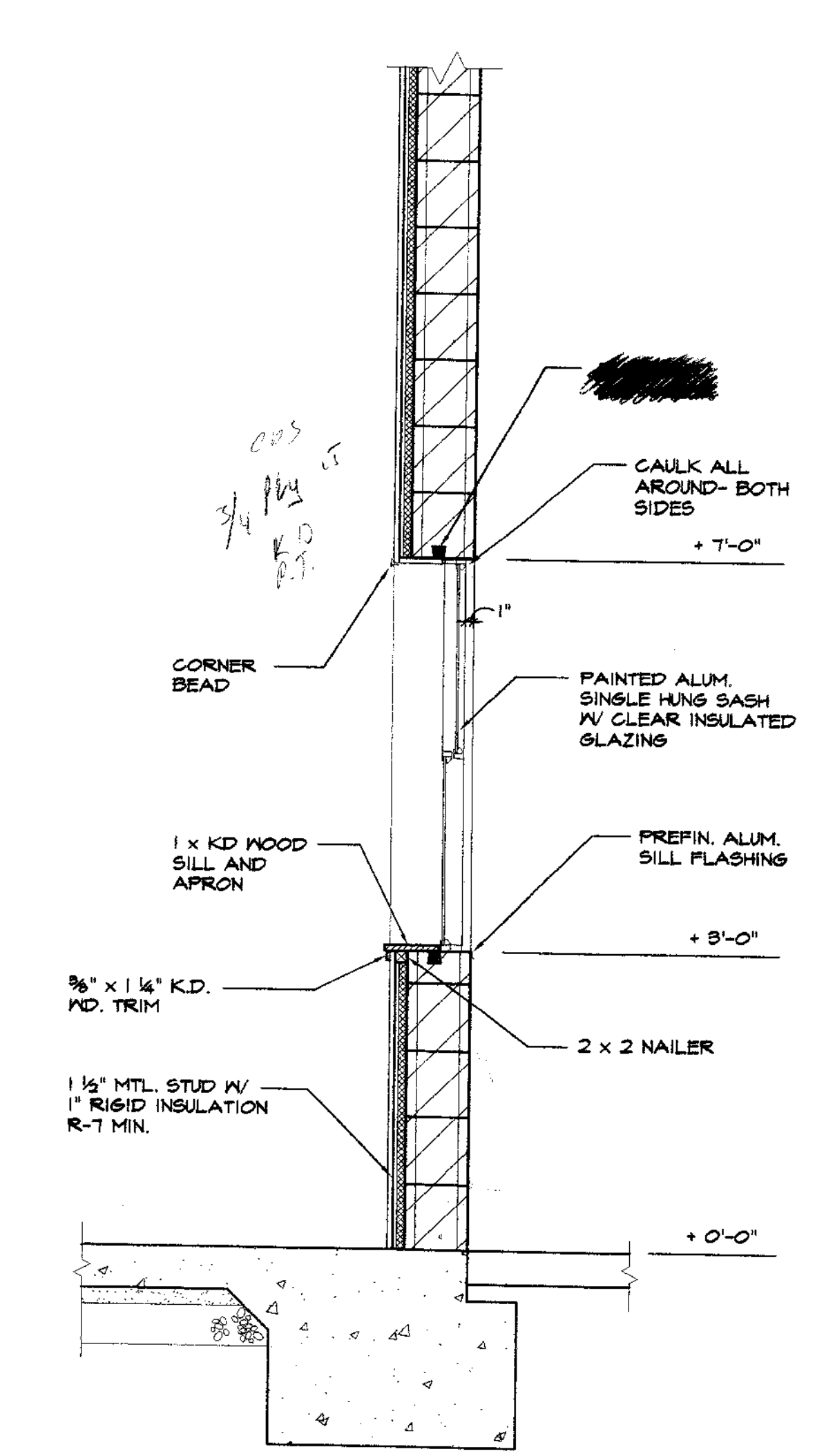
1 SECTION
3/4" = 1'-0"



2 SECTION
3/4" = 1'-0"



3 SECTION
3/4" = 1'-0"

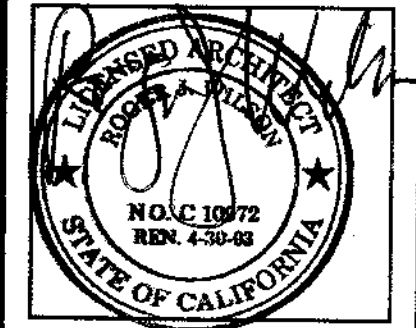


4 SECTION
3/4" = 1'-0"

425 N.S.L. DSR. 40
30th Street

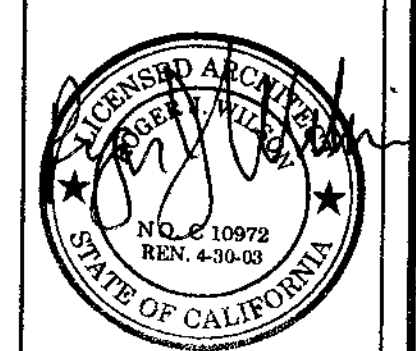
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ENGINEERING

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ARCHITECT

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Berkeley, CA 94702
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Fax: 510/649-8151



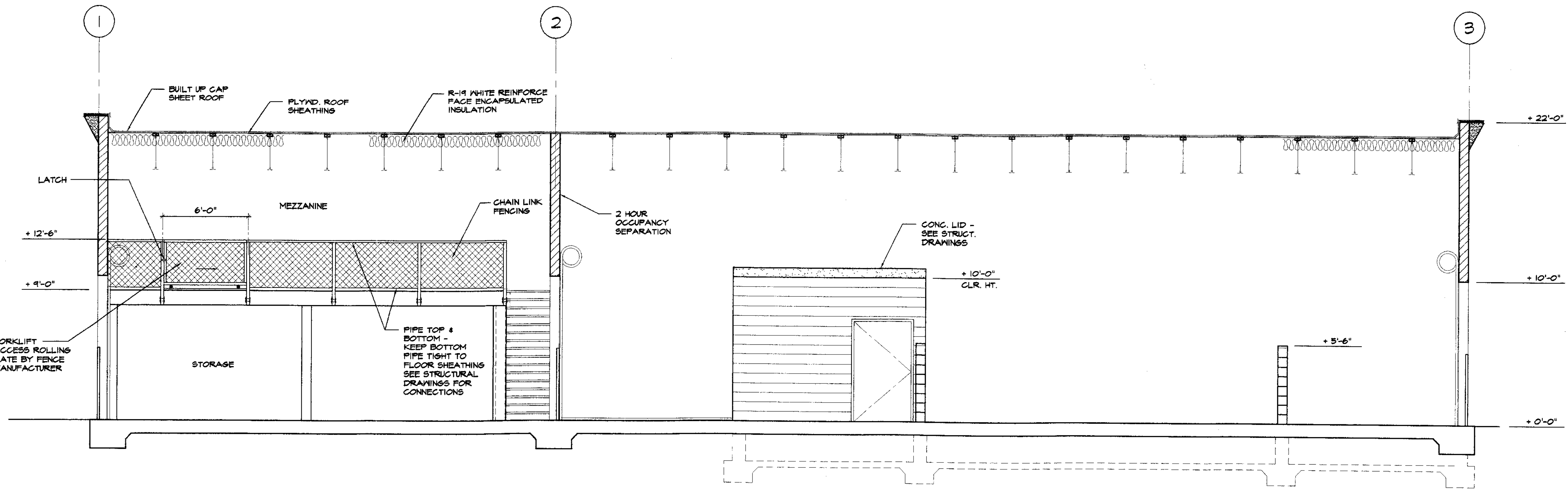
WALL SECTIONS
HOUSEHOLD HAZARDOUS WASTE FACILITY
SAN JOAQUIN COUNTY

Job No: 00740
Drawn By: LI
Checked By: RW
Date: 07-03-02

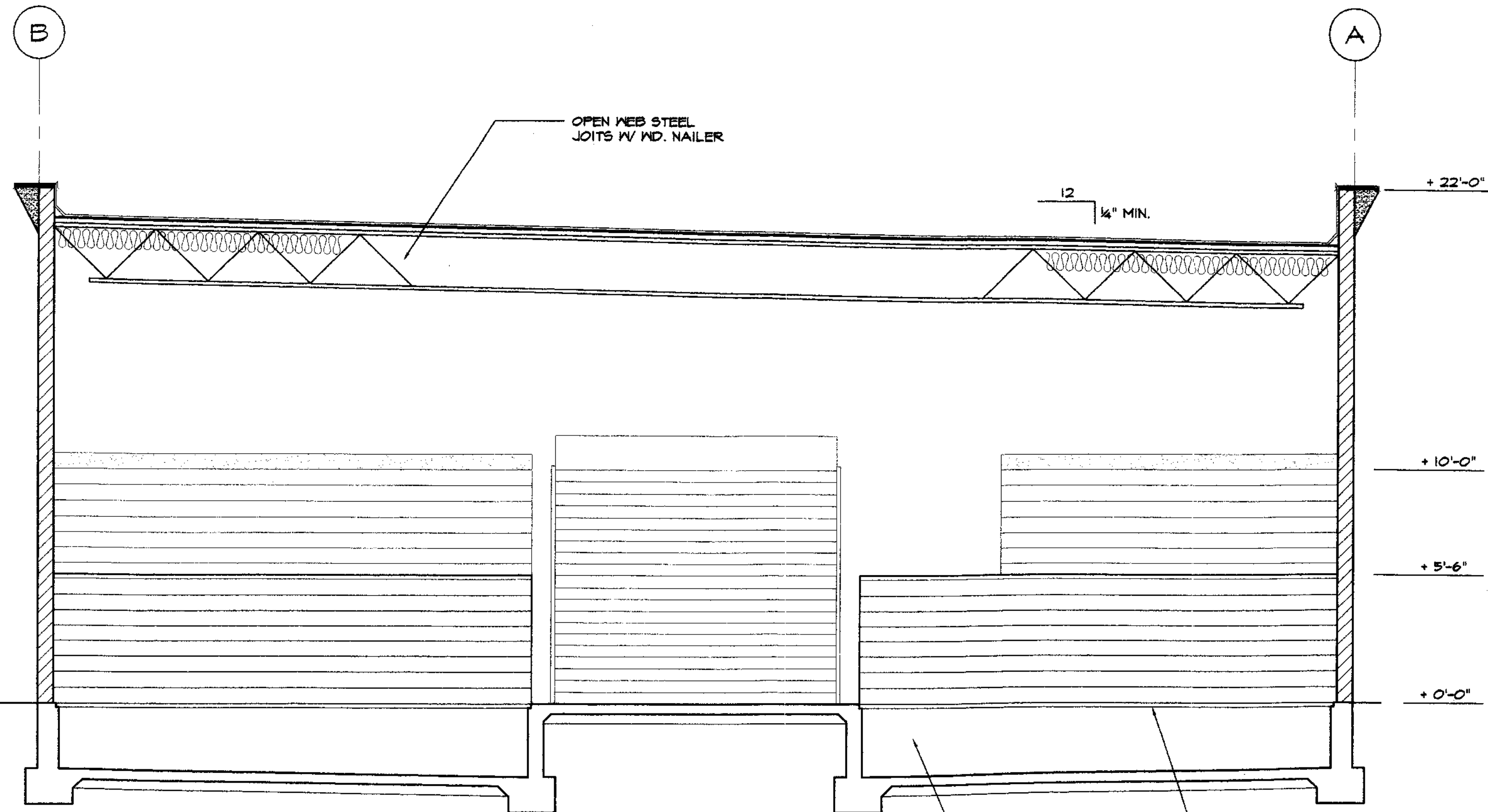
Revisions	By
12-09-02	LI

Sheet Number
A7
7 of 9

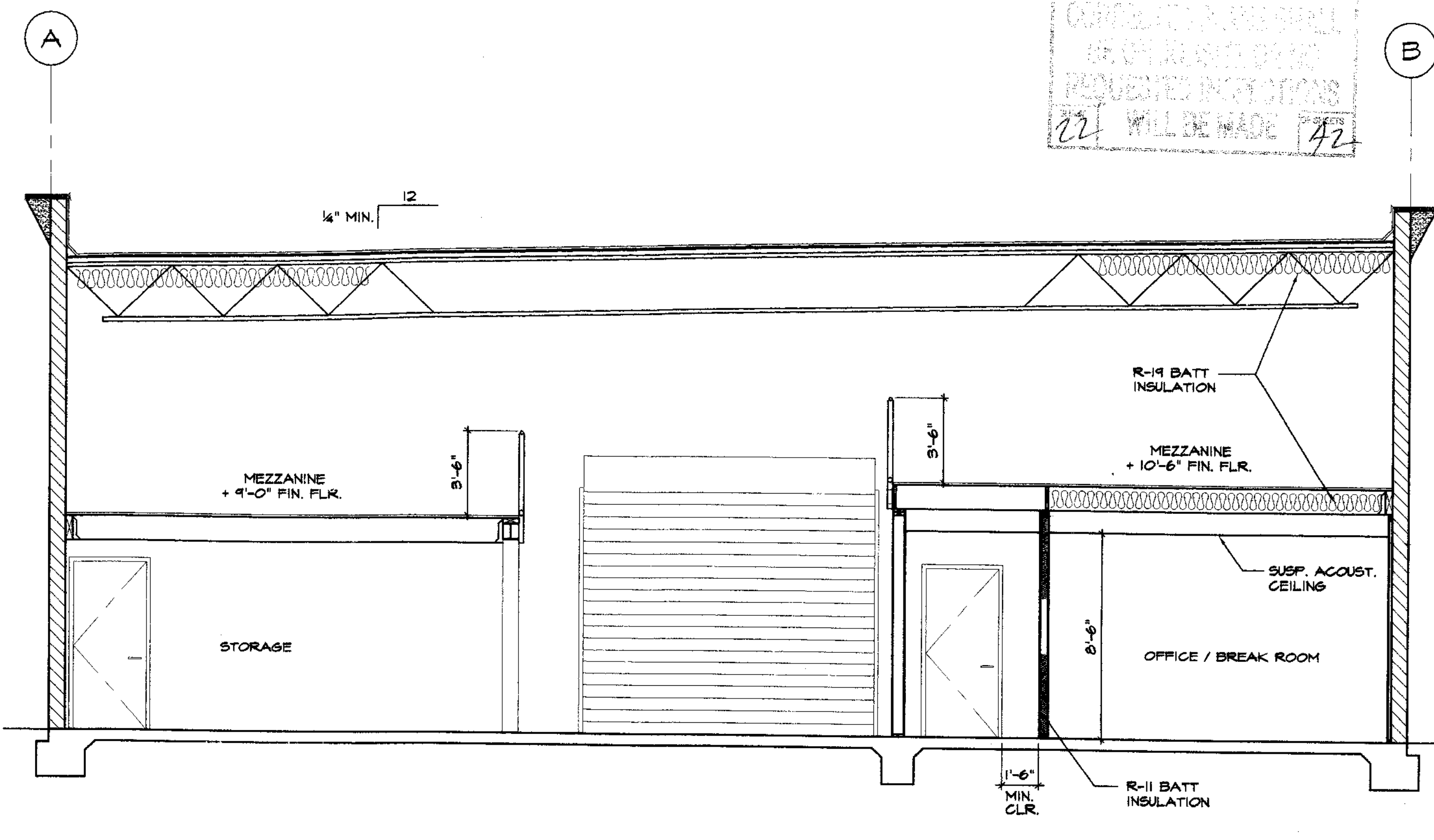
REVISIONS WILL BE MADE
23 42



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



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

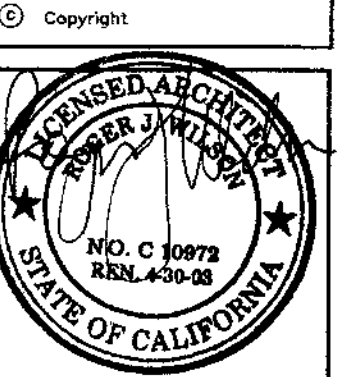


C BUILDING SECTION
1/4" = 1'-0"

JOB SITE COPY
COMPLETE SET
REVISED PER
REVISIONS
22 WILL BE MADE 42

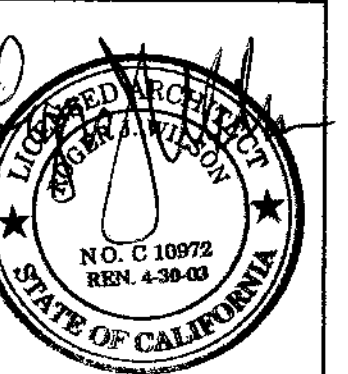
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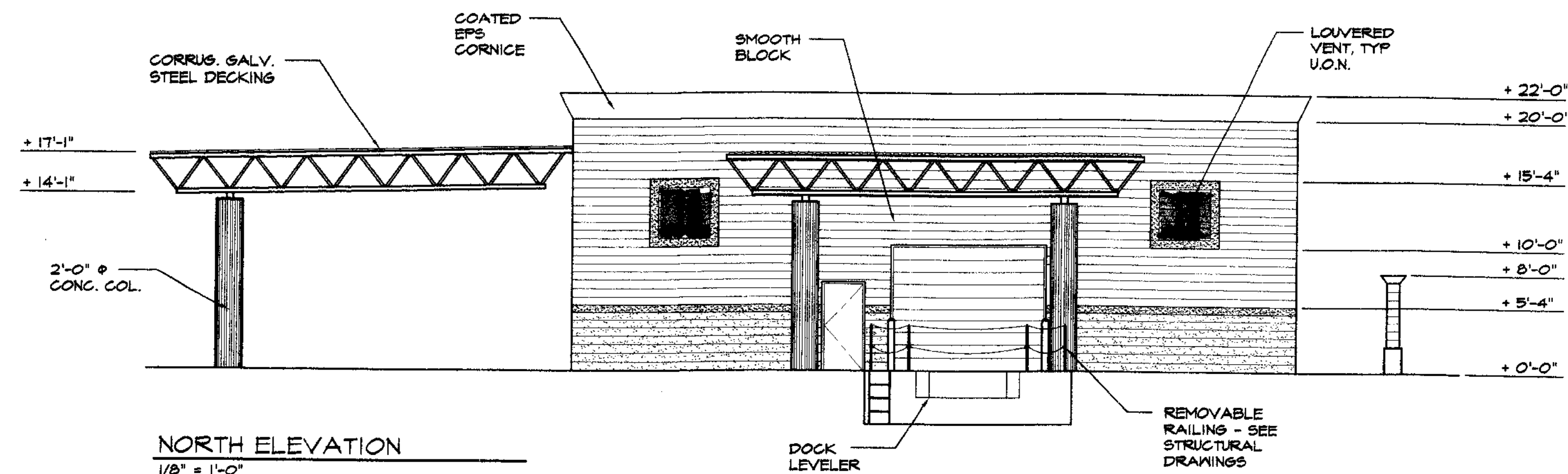
BUILDING SECTIONS
HOUSEHOLD HAZARDOUS WASTE FACILITY
SAN JOAQUIN COUNTY

Job No: 00740
Drawn By: LI
Checked By: RW
Date: 07-03-02

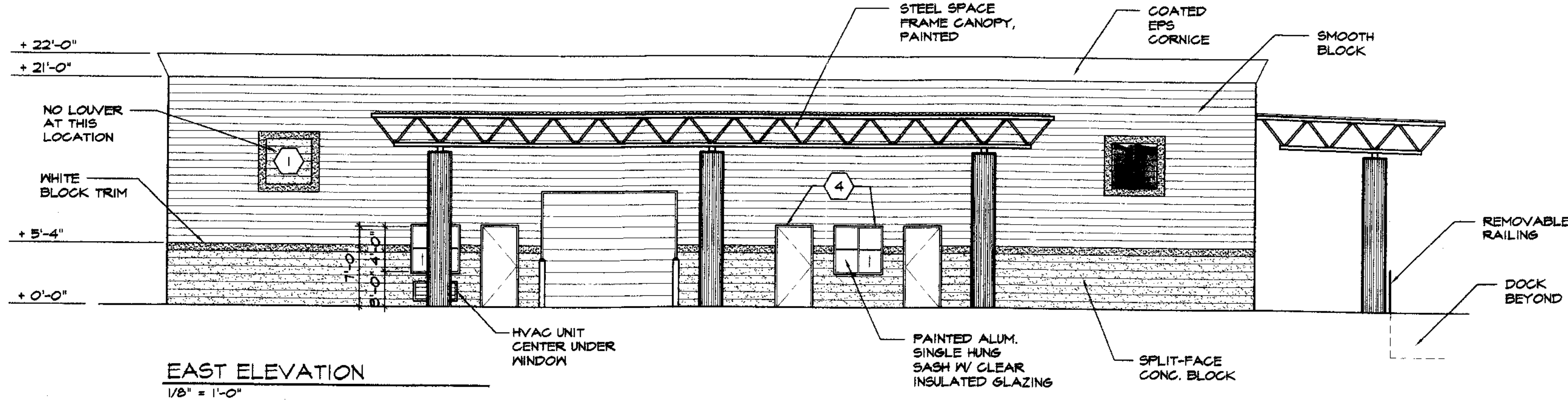
Revisions	By

Sheet Number:
A6

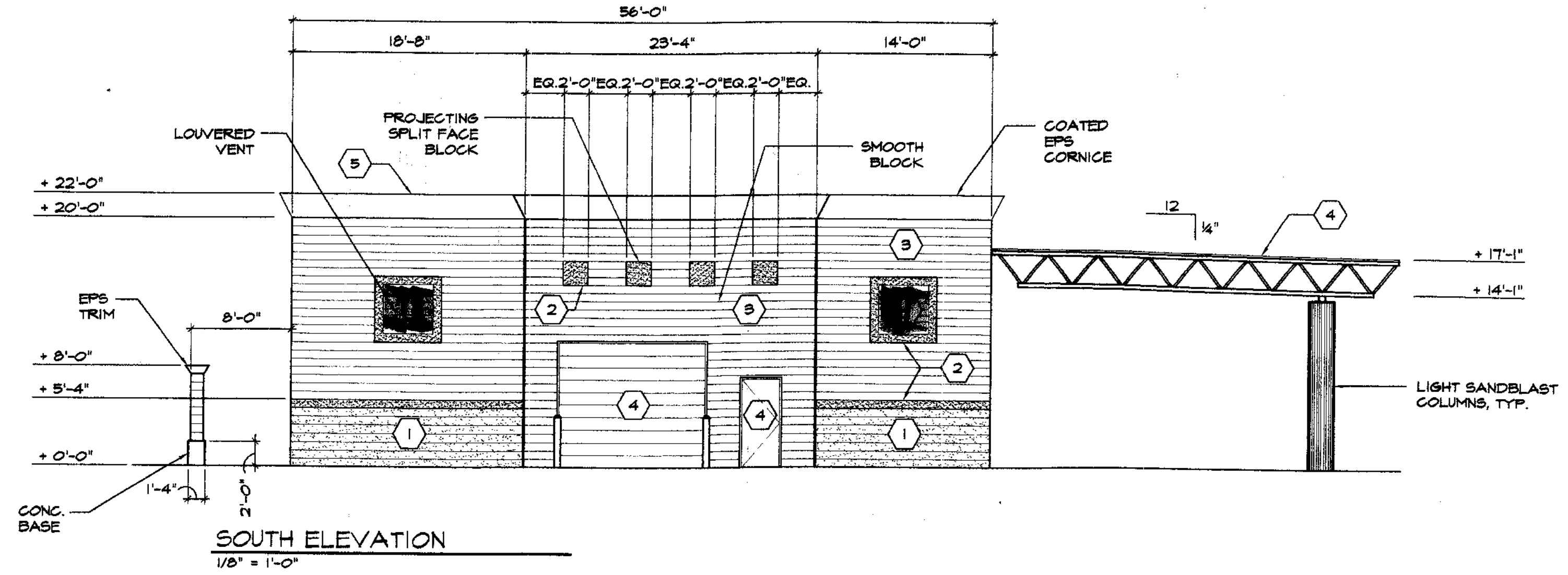
SU 3764



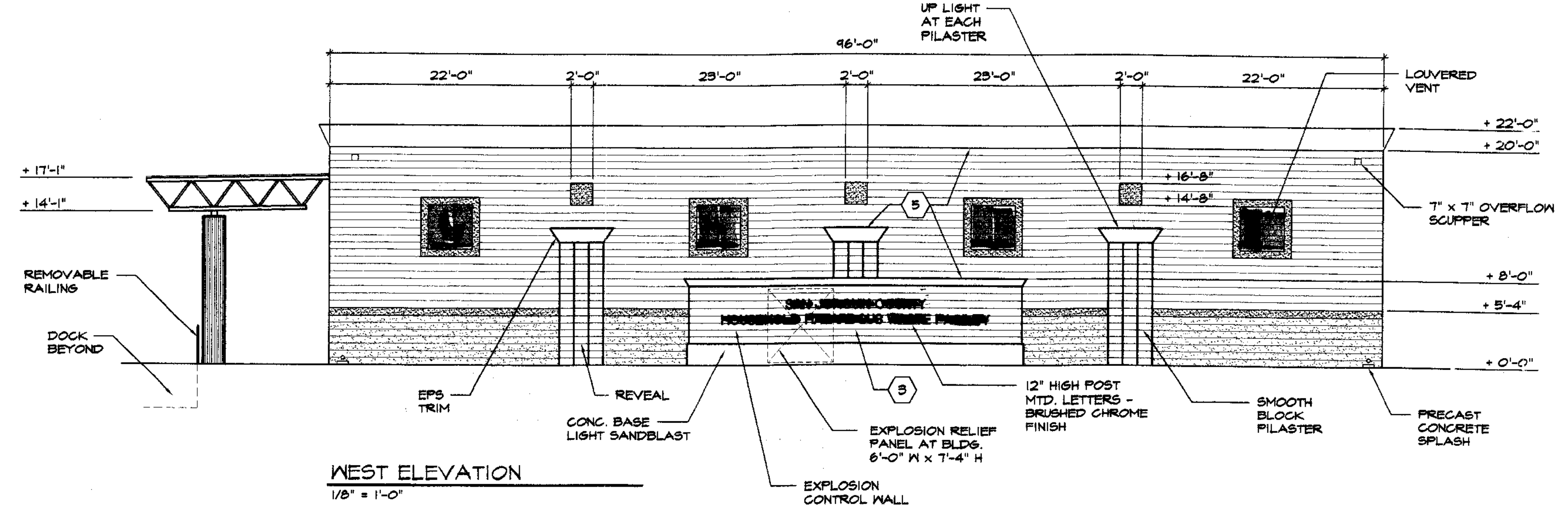
NORTH ELEVATION
1/8" = 1'-0"



EAST ELEVATION
1/8" = 1'-0"



SOUTH ELEVATION
1/8" = 1'-0"



WEST ELEVATION
1/8" = 1'-0"

PARTIAL WEST ELEVATION (BEHIND EXPLOSION CONTROL WALL)
1/8" = 1'-0"

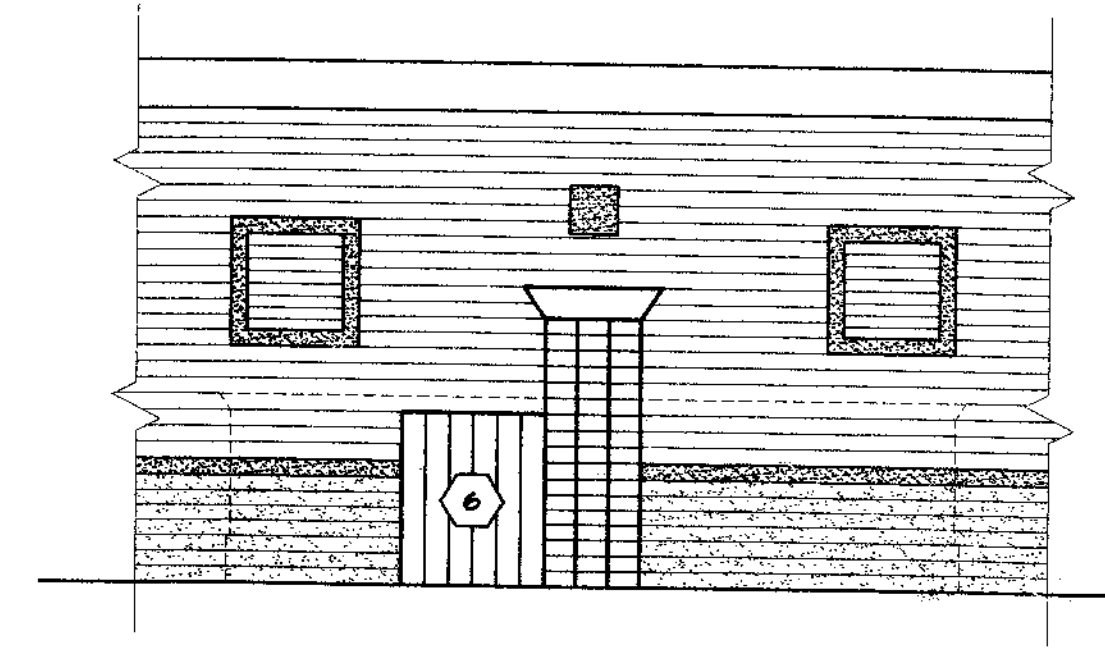
EXTERIOR FINISH SCHEDULE

- 1 BASALITE D225 SPLIT FACE BLOCK
- 2 BASALITE D890 SPLIT FACE BLOCK
- 3 BASALITE D275 PRECISION BLOCK
- 4 MATCH PPS COATINGS DURATECH "REGAL BLUE"
- 5 KELLY MOORE "PENNER CUP" KM689-M
- 6 PPS COATINGS DURATECH "REGAL BLUE"

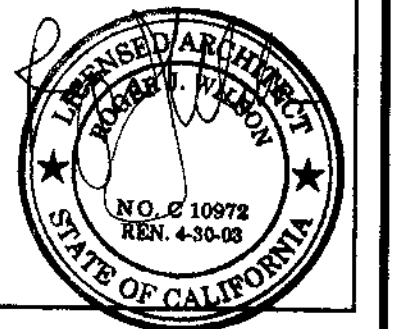
- NOTES:
1. CLEAR SEALANT ALL EXTERIOR BLOCK WALLS
 2. ALL PAINT SHALL BE KELLY-MOORE ENVIRO-COTE (NO VOC'S) OR APP'D. EQUIV.

324-28-38

JOB SITE COPY
FOR CONTRACTOR
REVISIONS AND
PERMITS ONLY
21 WILLIAMS A-2

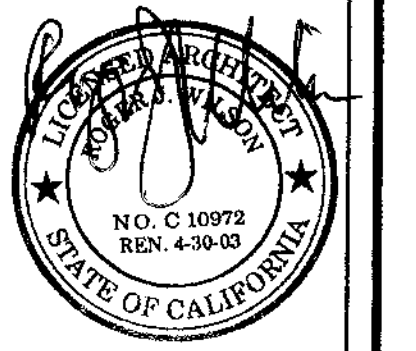


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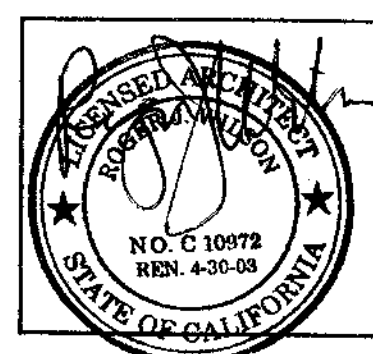
EXTERIOR ELEVATIONS
HOUSEHOLD HAZARDOUS WASTE FACILITY
SAN JOAQUIN COUNTY

Job No: 00740
Drawn By: LJ
Checked By: RW
Date: 07-03-02

Revisions	By

Sheet Number
A5
5 of 9

SU3765

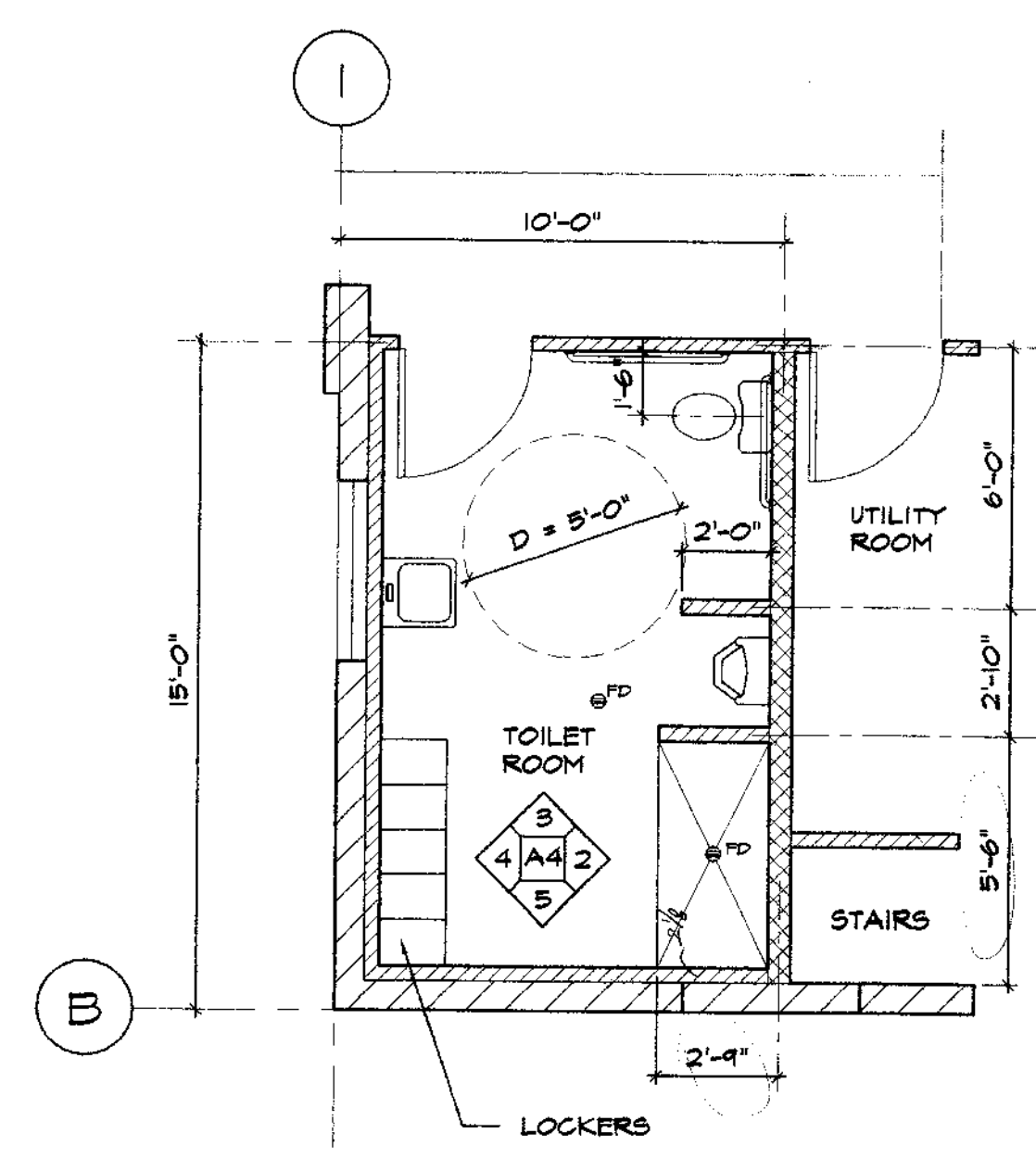


ENLARGED TOILET ROOM PLAN AND INTERIOR ELEVATIONS
HOUSEHOLD HAZARDOUS WASTE FACILITY
SAN JOAQUIN COUNTY

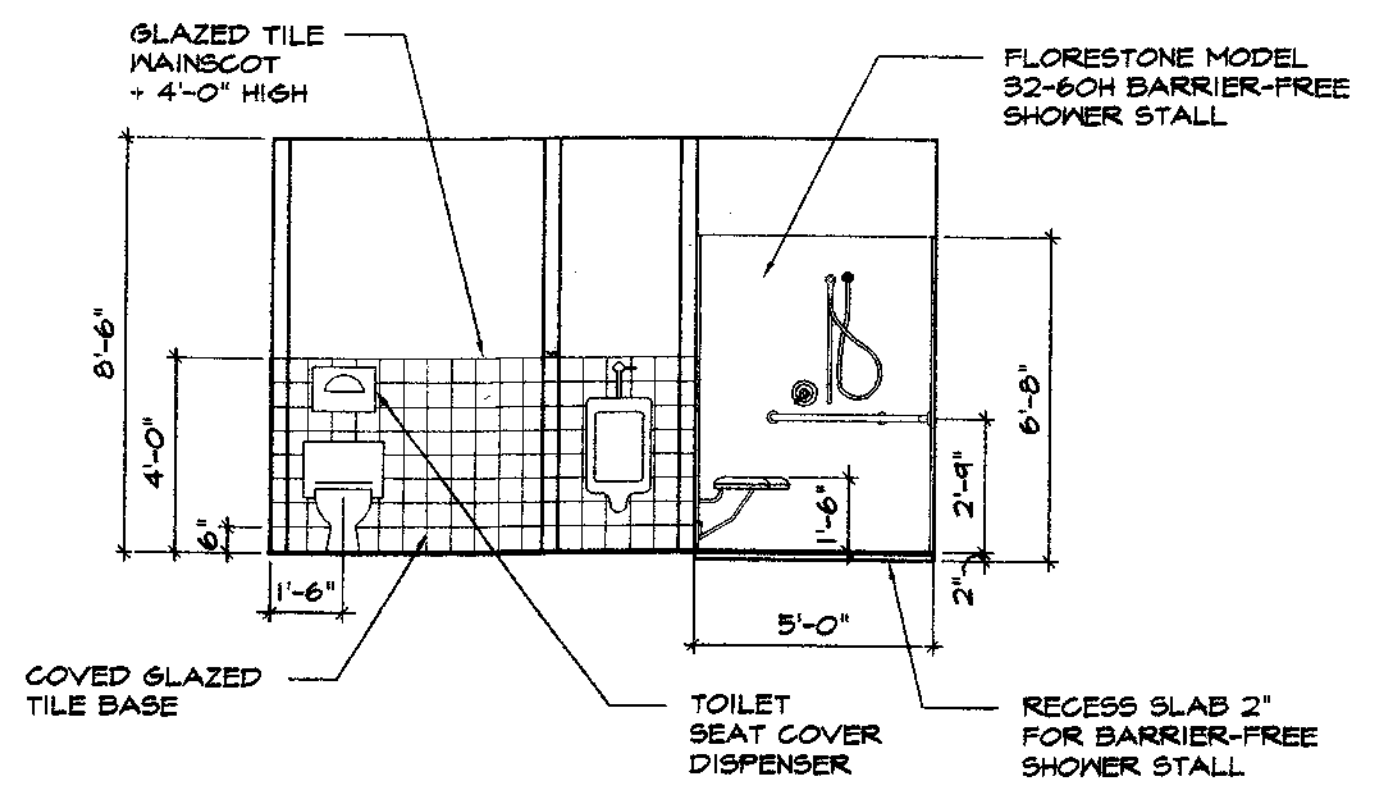
Job No: 00740
Drawn By: LI
Checked By: RW
Date: 07-03-02

Revisions	By
▲ 12-09-02	LI
▲	
▲	
▲	

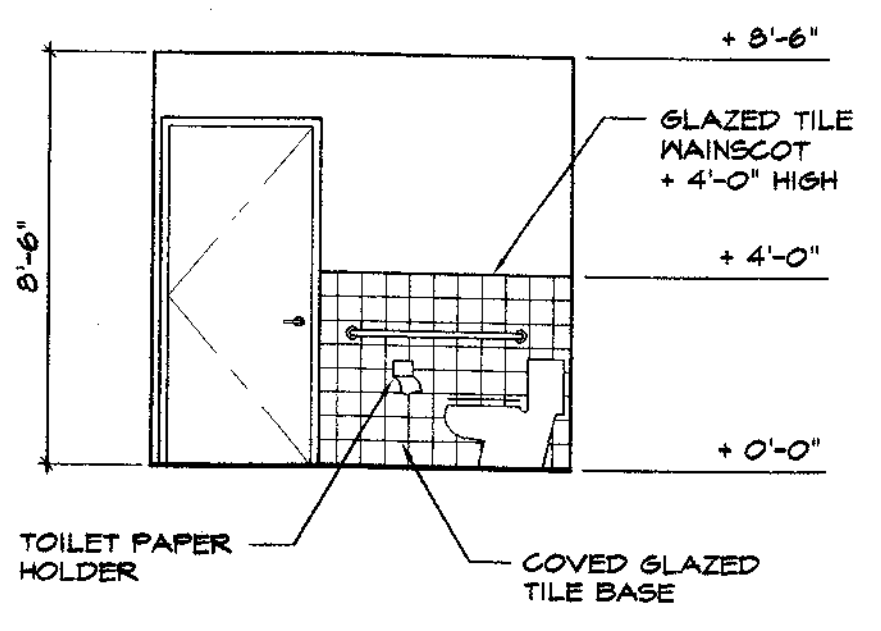
Sheet Number
A4
4 of 9



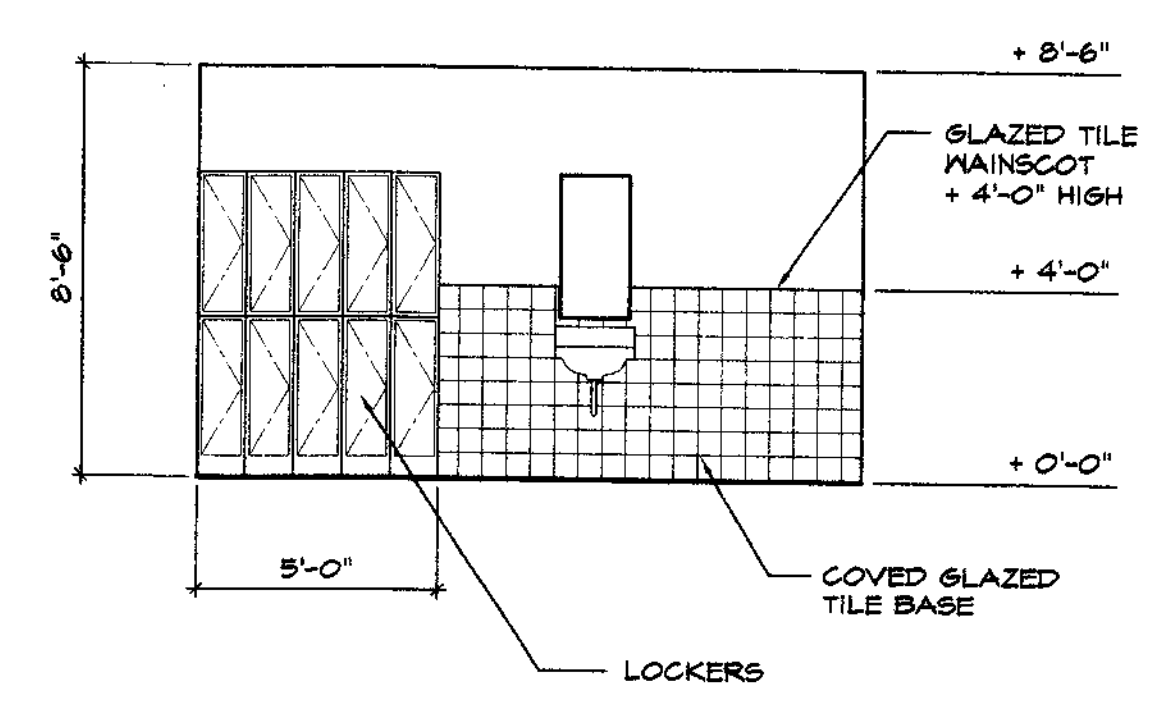
1 ENLARGED FLOOR PLAN
1/4" = 1'-0"



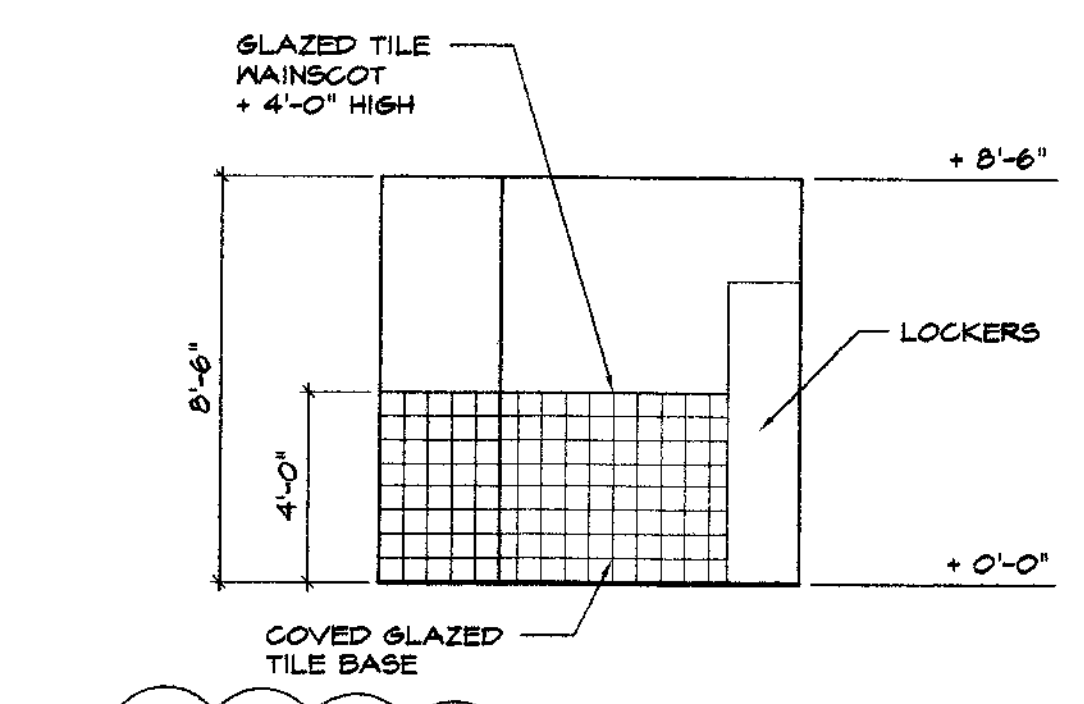
2 ELEVATION
1/4" = 1'-0"



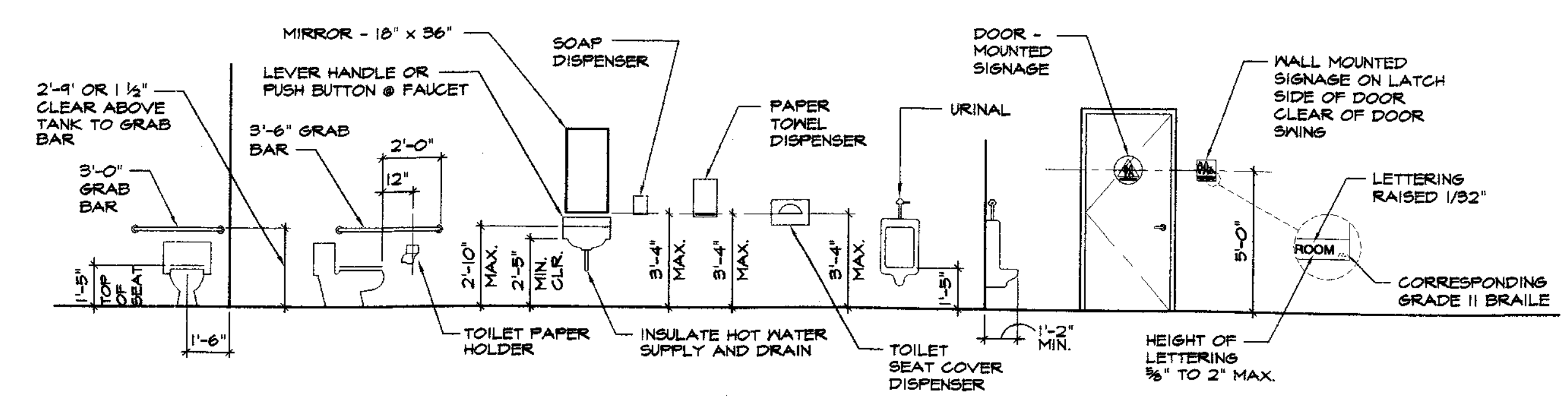
3 ELEVATION
1/4" = 1'-0"



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



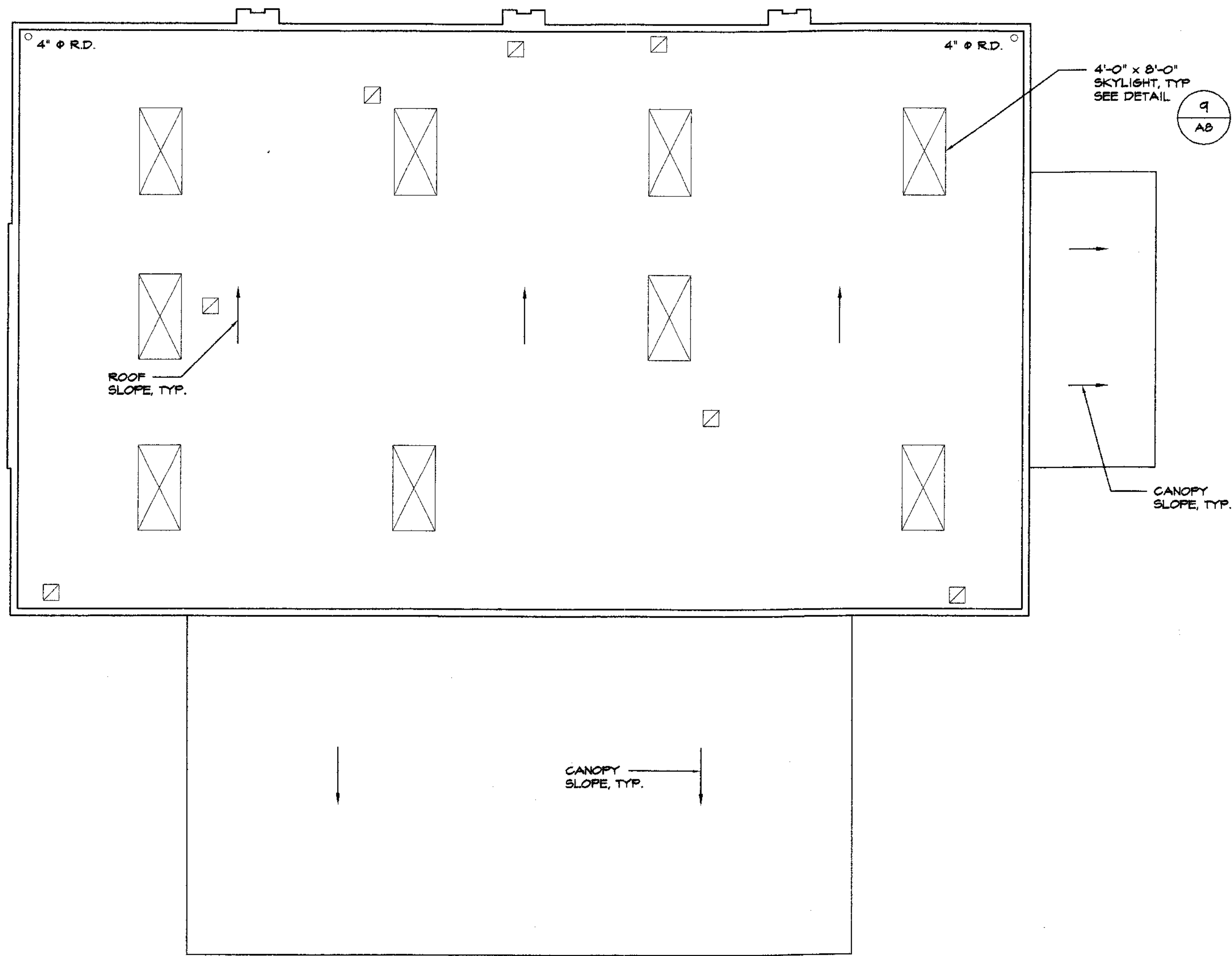
5 ELEVATION
1/4" = 1'-0"



6 TYPICAL PLUMBING FIXTURES AND ACCESSORY ELEVATIONS
1/4" = 1'-0"

JOHN WILSON
OWNER
20 WILL BE MADE AL

SU 3766

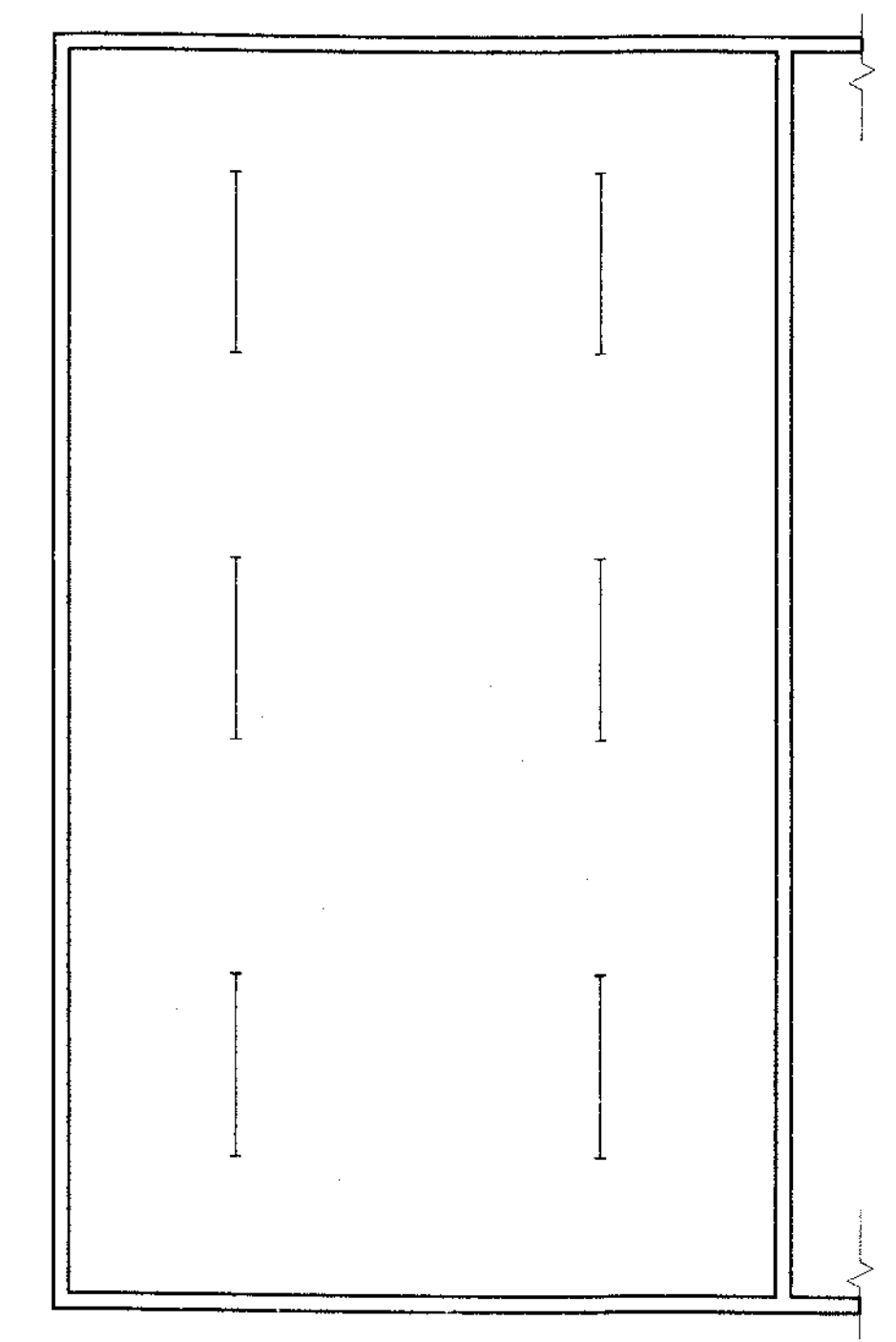


ROOF PLAN
1/8" = 1'-0"

REFLECTED CEILING PLAN
1/8" = 1'-0"

NOTE: COORDINATE LOCATIONS OF SKYLIGHTS WITH STRUCTURAL DRAWINGS

- LEGEND**
- 2 x 4 RECESSED 8-TUBE FLUORESCENT LIGHT FIXTURE (T-8) UNLESS OTHERWISE NOTED AT "X"
 - 1 x 4 SURFACE MOUNTED 2-TUBE FLUORESCENT LIGHT FIXTURE (T-8)
 - EXPLOSION PROOF LIGHT FIXTURE
 - 8'-0" SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE
 - 8'-0" CHAIN HUNG FLUORESCENT LIGHT FIXTURE
 - WALL MOUNTED FLUORESCENT LIGHT FIXTURE
 - GYPSUM BOARD CEILING
 - SUSPENDED ACOUSTICAL CEILING TILE
 - EXHAUST FAN OR DUCT - SEE MECHANICAL DWGS.
 - EMERGENCY EXIT SIGN
 - LIGHT SWITCH
 - 3-WAY LIGHT SWITCH
 - OCCUPANCY SENSOR

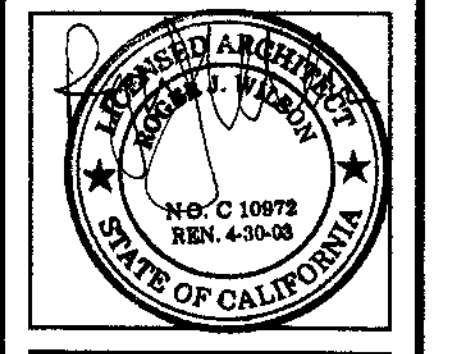


MEZZANINE REFLECTED CEILING PLAN
1/8" = 1'-0"

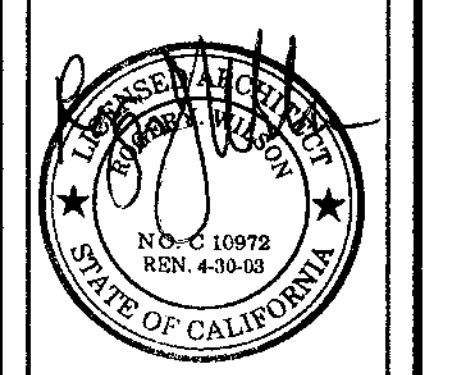
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ROOF PLAN, REFLECTED CEILING PLAN
HOUSEHOLD HAZARDOUS WASTE FACILITY
SAN JOAQUIN COUNTY

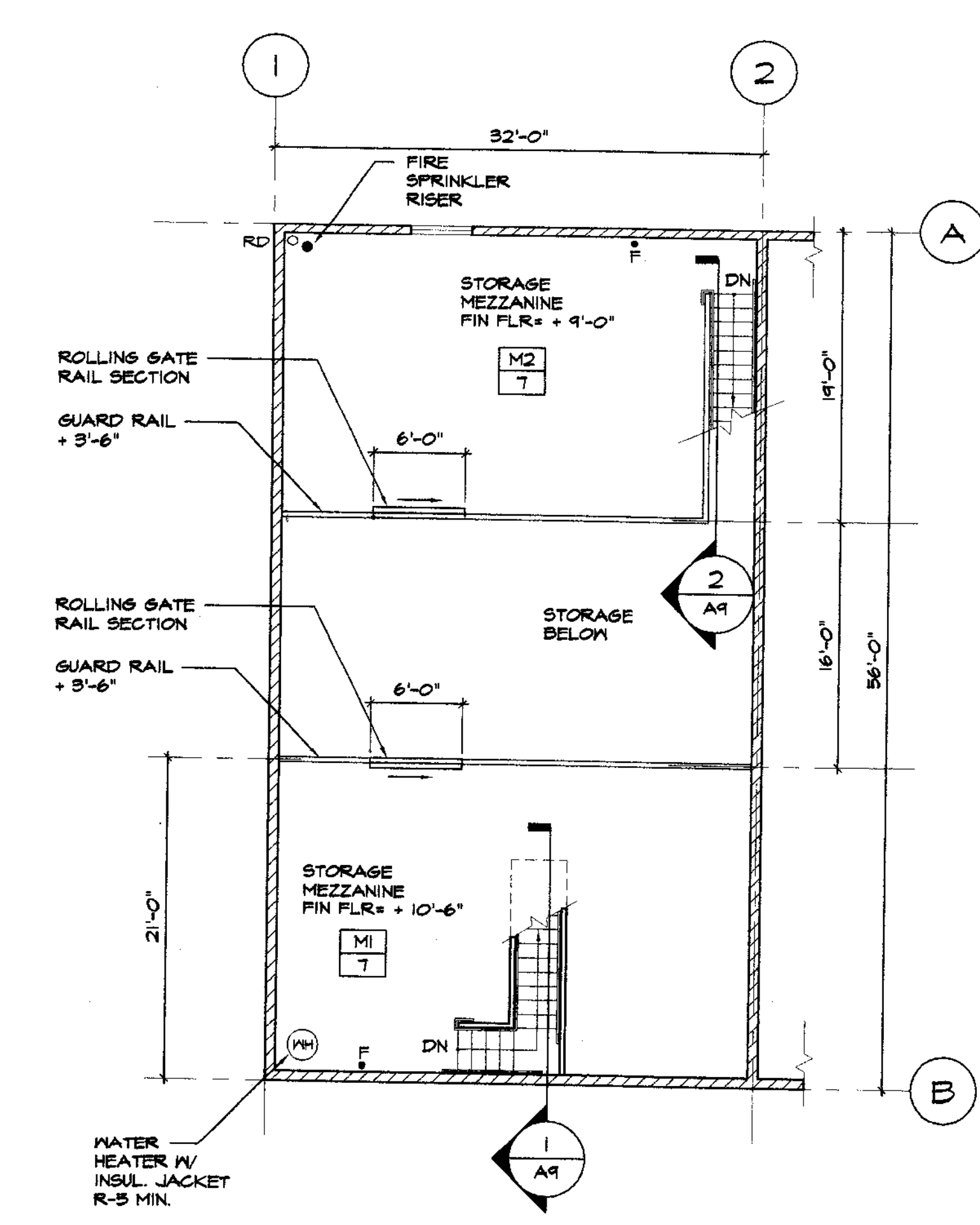
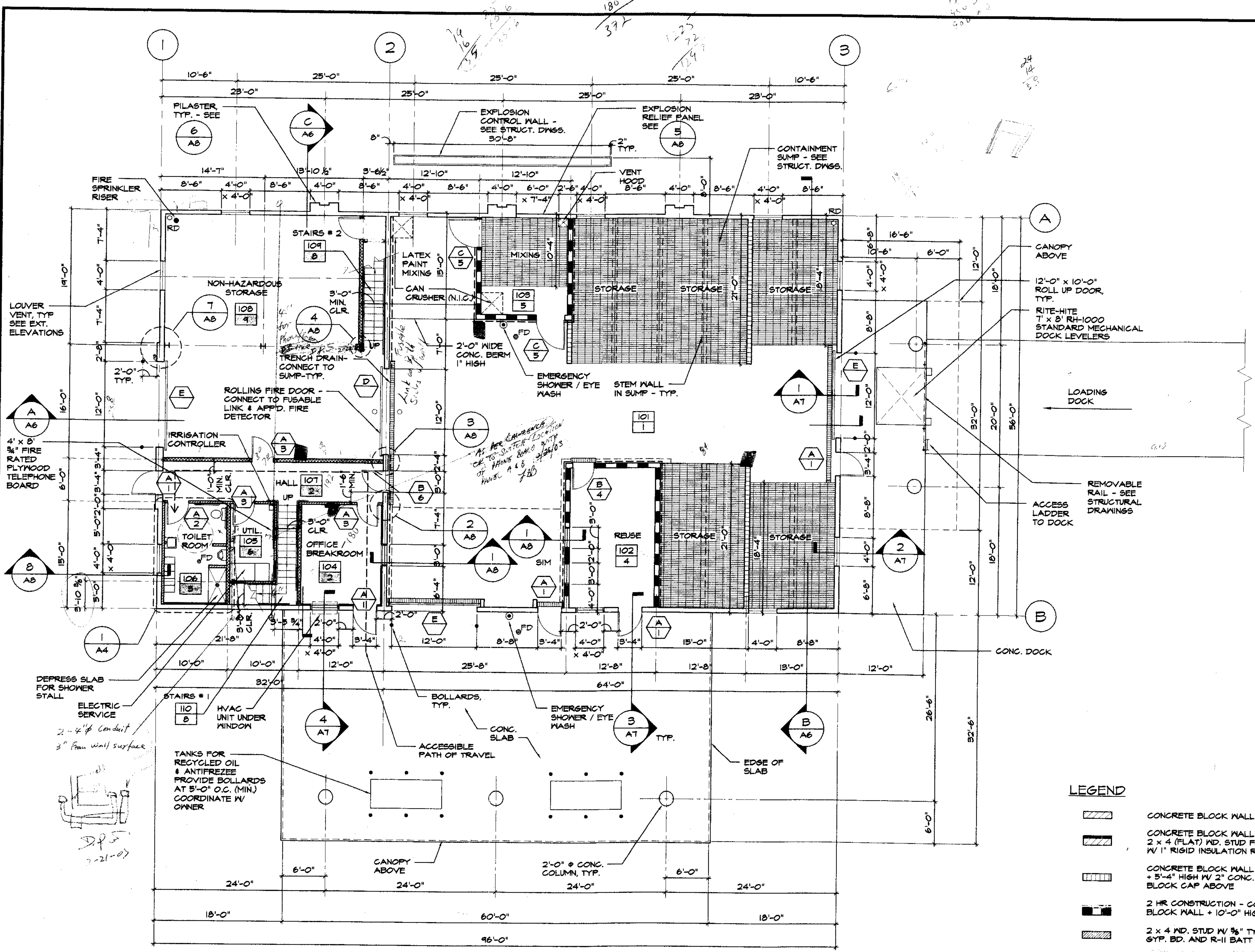
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Drawn By: LI
Checked By: RW
Date: 07-03-02

Revisions	By

Sheet Number
A3
3 of 9

SU 3767

SU 3769

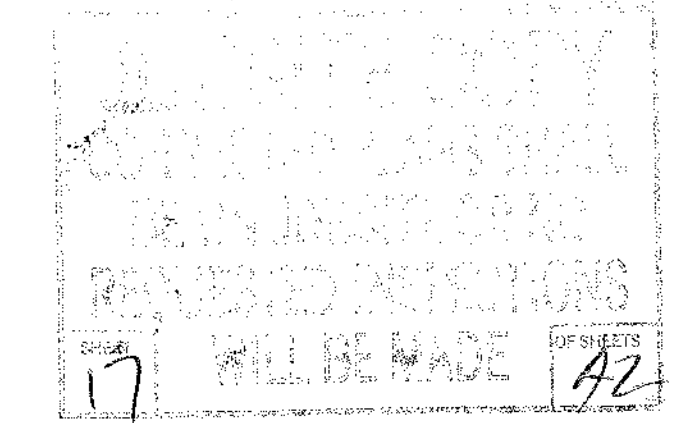


MEZZANINE FLOOR PLAN
1/8" = 1'-0"

- LEGEND**
- CONCRETE BLOCK WALL
 - CONCRETE BLOCK WALL W/ 2 x 4 (FLAT) MD. STUD FURRING W/ 1" RIGID INSULATION R-7 MIN.
 - CONCRETE BLOCK WALL + 5'-4" HIGH W/ 2" CONC. BLOCK GAP ABOVE
 - 2 HR CONSTRUCTION - CONC. BLOCK WALL + 10'-0" HIGH
 - 2 x 4 MD. STUD W/ 3/8" TYPE 'X' GYP. BD. AND R-11 BATT INSULATION
 - 2 x 6 MD. STUD W/ 3/8" TYPE 'X' GYP. BD. AND R-11 BATT INSULATION
 - 2 HOUR OCCUPANCY SEPARATION
 - FIRE EXTINGUISHER
 - FLOOR DRAIN
 - ROOF DRAIN

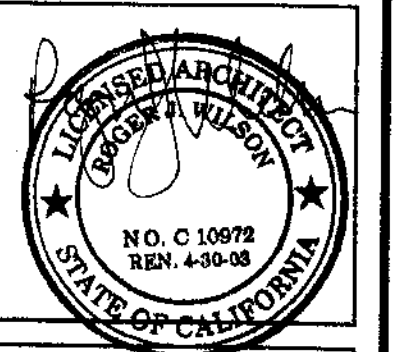
FLOOR PLAN
1/8" = 1'-0"

- NOTES:**
1. PROVIDE APPROVED MECHANICAL VENTILATION WITH BACKUP GENERATOR FOR ALL STORAGE AREAS.
 2. CONTAINMENT - TRENCH DRAIN & SUMP SYSTEM PROVIDE FOR 20 MINUTES OF FIRE FLOW (4 GALLONS PER SQUARE FOOT PER MINUTE) + 110% OF LARGEST CONTAINER (55 GALLON)
 3012 S.F. X 4 GAL/S.F./MIN. X 20 MIN. = 24096 GALLONS
 55 GALLONS X 110 = 605 GALLONS
 TOTAL REQUIRED CONTAINMENT IN GALLONS = 24156.5 GALLONS
 TOTAL REQUIRED CONTAINMENT IN CUBIC FEET (134 C.F. = 1 GAL) = 3221.7 CUBIC FEET
 CONTAINMENT SUMPS SHALL BE A MINIMUM OF 2'-6" DEEP - TYPICAL.
 3. PRESSURE TREATED LUMBER SHALL BE ACQ TREATED - NO CHROMIUM OR ARSENIC IN MATERIAL - CHEMICAL SPECIALTIES, INC. OR APP'D. EQUIV.
 4. BATT INSULATION SHALL BE JOHNS MANVILLE FORMALDEHYDE FREE OR APP'D. EQUIV.

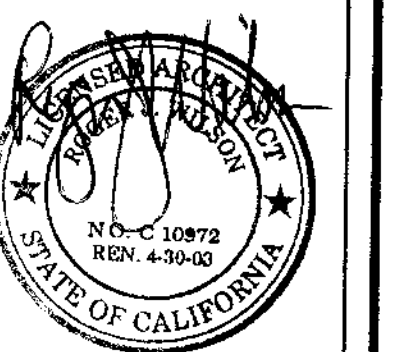


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FLOOR PLAN, MEZZANINE PLAN
HOUSEHOLD HAZARDOUS WASTE FACILITY
 SAN JOAQUIN COUNTY

Job No: 00740
 Drawn By: LI
 Checked By: RW
 Date: 07-03-02

Revisions	By

Sheet Number
A1
1 of 5

LANDSCAPE NOTES

SITE & DRAWING REVIEW:

The Landscape Contractor will inspect the site and be familiar with all existing site conditions, and will review related drawings and ensure coordination with all applicable trades prior to submitting a bid.

SOIL PREPARATION & GRADING:

The Landscape Contractor is responsible for final grading +/- .01 and surface drainage of all planting areas. All proposed grades are to meet and blend with existing grading at project limit and no low spots, which hold standing water, will be accepted. The Landscape Contractor will spread 6 cubic yards of treated fir/pine bark and 25 lbs. of commercial fertilizer (6-20-20) per 1000 square feet of landscape planting to all areas to be planted. These materials will be thoroughly rototilled into the top 12" of soil (unless otherwise noted on the drawings). After installation of the irrigation system all planting areas to be raked smoothly and all rocks and pebbles over 1" in diameter removed from the site.

GROUNDCOVER:

Install plant materials at the spacing noted on the legend. After the groundcover is planted, a pre-emergent spray will be applied to all planting areas as per manufacturers' recommendations. The Landscape Contractor will assume responsibility for the use of chemical products and will supply the Owner with a written record of the type of chemical used, date applied and rate of application.

GROUNDCOVER MULCH:

All planting areas, to receive a 3" layer of 1/4" to 1/2" diameter "Utility Mulch" (or approved equal) after all trees, shrubs, and groundcovers have been planted.

GENERAL PLANTING NOTES:

Plant trees a minimum of 3'-0" from the edge of curbs, walks and light fixtures. Coordinate tree planting with drain and pipe line locations to avoid conflict.

CLEAN UP:

After completion of work, all rubbish and surplus materials will be removed and the site left neat and clean.

MAINTENANCE & GUARANTEE:

The Landscape Contractor will maintain the project for 90 days following approval to begin the Maintenance Period. Regular watering, cultivating, weeding, repair of stakes and ties, and spraying for insects will be performed. Lawns will be mowed regularly and fertilized as necessary to maintain vigorous growth and good color. All plant materials will be guaranteed to be in a healthy, thriving condition until the end of the Maintenance Period. All trees will be guaranteed for one (1) year for the Date of Acceptance.

SITE OBSERVATIONS:

The Landscape Contractor is to notify the Owner or Owner's Authorized Representative 48 hours prior to a required site observation. There will be a site observation of plant locations, and a final site observation at the conclusion of the Maintenance Period. Prior to the final site observation, all landscape areas are to be weed free and all plants in a healthy, thriving condition. Notify the Owner or Owner's Authorized Representative 7 days prior to the anticipated date of the final site observation.

IRRIGATION NOTES

The Irrigation Contractor will inspect the site and be familiar with all existing site conditions, and will review related drawings and ensure coordination with all applicable trades prior to submitting a bid.

Irrigation system will be installed in conformance with all applicable state and local codes and ordinances, and by licensed contractors and experienced workmen. Irrigation Contractor will obtain and pay for all required permits and fees relating to his work. Irrigation Contractor to notify all local jurisdictions for inspection and testing of installed backflow prevention devices.

Irrigation Contractor to verify the location of existing underground utilities and structures prior to the excavation of trenches. The Irrigation Contractor will repair any damage caused by his work at no additional cost to the Owner.

It is the responsibility of the Irrigation Contractor to familiarize himself with all site conditions. He will coordinate his work with the General Contractor and other subcontractors for the location and installation of pipe sleeves through walls, under roadways, paving structures, etc. The Irrigation Contractor will not install the sprinkler system as indicated on the drawings when it is obvious in the field that obstructions, grade differences, or differences in the area dimensions exist that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of the Owner or Owner's Authorized Representative. In the event that this notification is not performed, the Irrigation Contractor will assume full responsibility for any revisions necessary.

The sprinkler system is based on the operating pressure shown on the irrigation drawings. The Irrigation Contractor will verify water pressure prior to any construction. Report any differences between the water pressure indicated on the drawings and the actual pressure reading at the irrigation point-of-connection to the Owner or the Owner's Authorized Representative immediately.

Due to the scale of the drawings, it is not possible to indicate all offsets, fittings, sleeves, etc. which may be required. The Irrigation Contractor will carefully investigate the structural and finished conditions affecting all of his work and plan his work accordingly, which includes furnishing such fittings, etc. as may be required to meet such conditions.

This design is diagrammatic and indicative of the work to be installed. All piping, valves, etc. shown within paved areas is for design clarification only and will be installed in shrub planting areas. Avoid any conflicts between the sprinkler system, planting and architectural features. Parallel pipes may be installed in a common trench. Pipes are not to be installed directly above one another.

The Owner's Electrical Contractor will supply 120 volt A.C. (2.5 AMP) service to the controller location. Irrigation Contractor will make final connection from the electrical stub out to the controller. Irrigation control wire will be a minimum standard of #14 UL and approved for direct burial. Common wire will be white in color, wiring to individual remote control valves will be red or black in color.

Each controller to have its own independent ground wire. Install two (2) spare control wires of a different color along the entire mainline. Loop thirty-six inches (36") excess wire into each single valve box and into one valve box in each group of valves.

IRRIGATION NOTES CONT.

Splicing of 24 volt wires will only be permitted in valve boxes. Leave a twenty-four (24") coil of excess wire at each splice and one hundred feet on center (100' o.c.) along wire run. Splices are to be made with a copper crimp-type connector and an approved epoxy splice pack. Tape wire in bundles at ten feet on center (10' o.c.). No taping permitted inside sleeves.

Install valve boxes perpendicular to walks, curbs, lawns, buildings, or landscape features. At multiple valve box groups, each box will be an equal distance from the walks, curbs, lawns, etc. Align valve boxes with adjacent pavement edges or building for a neat appearance. Valve boxes to conform with finish grade. All valves to be set in a minimum of twelve inches (12") of drain gravel.

Trenching is to provide twenty-four inches (24") of cover over lines installed under paved areas, eighteen inches (18") of cover over mainlines and control wires, and twelve inches (12") of cover over lateral lines. All piping under pavement will be sleeved. (Verify these requirements with local jurisdiction prior to the start of work.)

For mainline piping inside sleeves use a minimum standard of 1120-315 PSI PVC Plastic Pipe with Schedule 40 couplings.

All sprinkler heads will be set perpendicular to finish grade of the areas to be irrigated. Heads will be installed 6"-8" from building walls, or within 2" of pavement, curbs, or header edges.

Where low head drainage occurs a check valve will be installed.

Irrigation Contractor will flush and adjust all sprinkler heads for optimum performance and to prevent possible overspray onto walks, roadways and/or buildings as much as possible. This will include selecting the best degree of arc to fit the existing conditions and to throttle the flow control of each valve to obtain the optimum operating pressure for each system. All mainlines will be flushed prior to the installation of remote control valves. Lateral lines will be flushed prior to the installation of irrigation heads. At thirty (30) days after installation, each system will be flushed to eliminate glue and dirt particles from the lines.

All excavations are to be filled with compacted backfill. The Irrigation Contractor will promptly repair all settled trenches up to one (1) year after completion of work. Additionally, Irrigation Contractor will warrant that the irrigation system will be free from defects in materials and workmanship for a period of one (1) year after the final acceptance of work.

NOTE: Irrigation Contractor will verify a minimum pressure of 60 PSI and a maximum output of 35 GPM at the Point-of-Connection prior to the start of any work. Report discrepancies immediately to the Owner or Owner's Authorized Representative.

PLANT LEGEND

Latin Name Common Name Container Size

TREES:

<i>Cercis occidentalis</i>	Western Redbud	24" BOX
<i>Lagerstroemia i. "Muskogee"</i>	Lavender Crape Myrtle	24" BOX
<i>Olea europaea "Swan Hill"</i>	Fruitless Olive (multi-trunk)	24" BOX
<i>Prunus c. "Krauter Vesuvius"</i>	Purple Leaf Plum	24" BOX

SHRUBS:

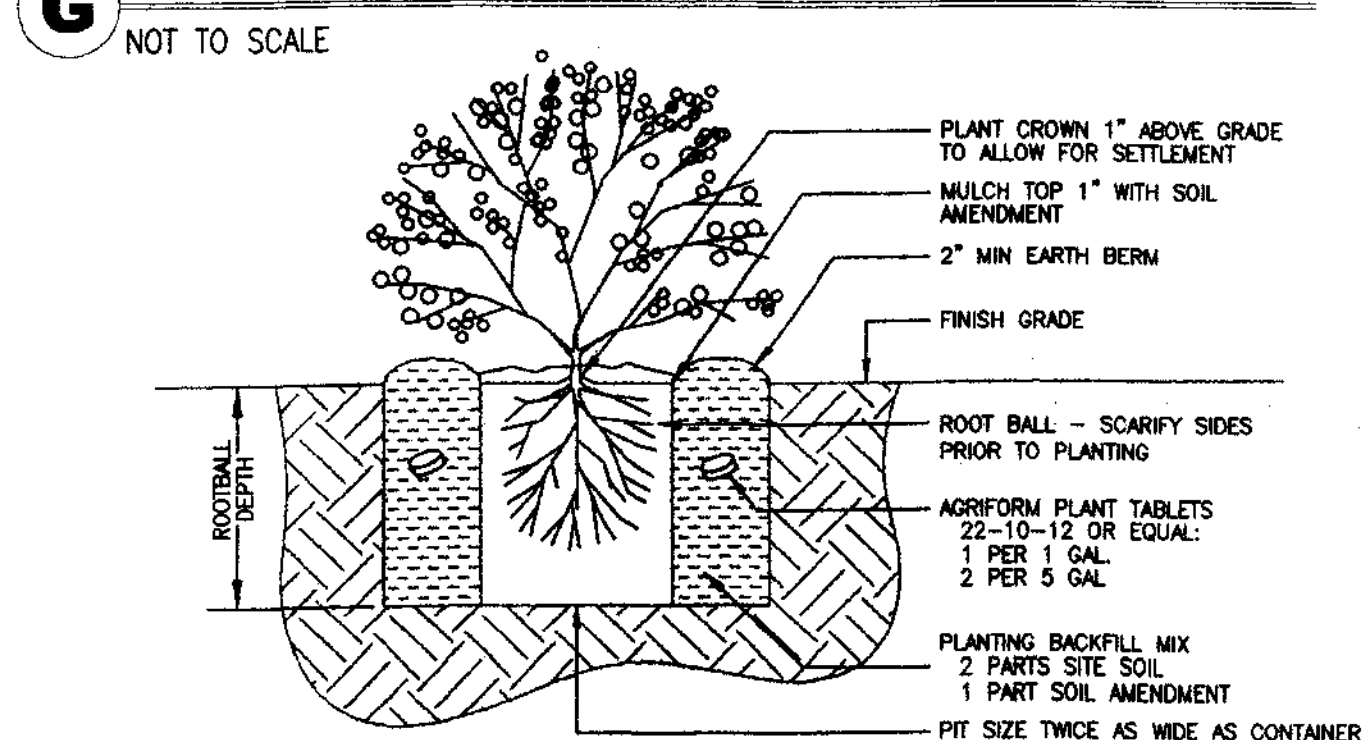
<i>Abelia grandiflora "Sherwoodii"</i>	Dwarf Glossy Abelia	5 gallon
<i>Berberis thunbergii "Cheery Bomb"</i>	Dwarf Japanese Barberry	5 gallon
<i>Dietes hybrid "Orange Drop"</i>	Fortnight Lily	1 gallon
<i>Grevillea r. "Dwarf"</i>	Dwarf Rosemary Grevillea	5 gallon
<i>Hemerocallis "Stell de Oro"</i>	Dwarf Yellow Daylily	1 gallon
<i>Lavandula a. "Munstead"</i>	Dwarf English Lavender	1 gallon
<i>Punica granatum "Chico"</i>	Dwarf Pomegranate	5 gallon
<i>Rhaphiolepis i. "Ballarina"</i>	Dwarf Pink India Hawthorn	5 gallon
<i>Rhaphiolepis i. "Clara"</i>	White India Hawthorne	5 gallon
<i>Viburnum tinus "Dwarf"</i>	Compact Viburnum	5 gallon

GROUNDCOVERS:

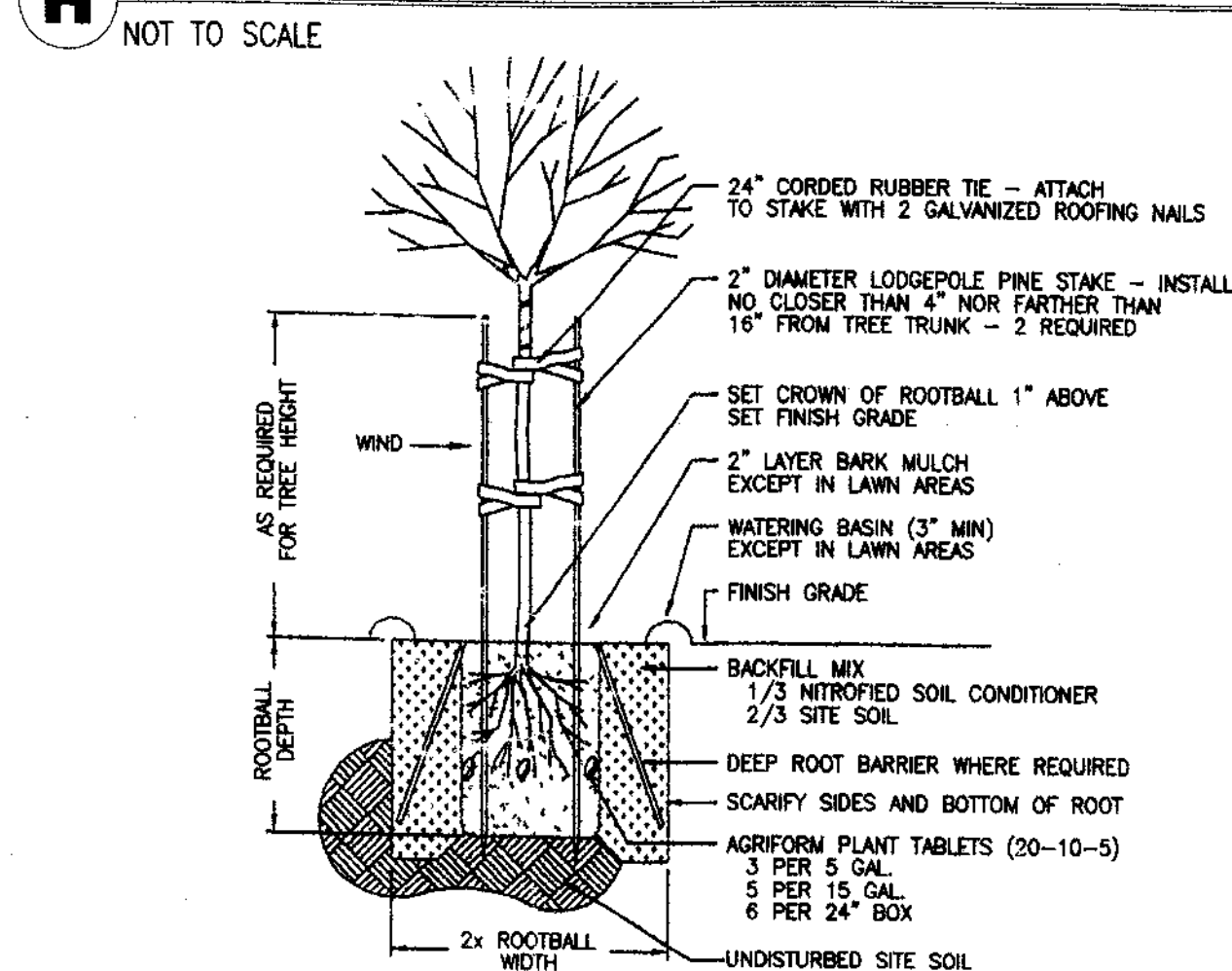
<i>Gazania "Sunburst"</i>	Orange Trailing Gazania	from flats @ 18" o.c.
<i>Trachelospermum jasminoides</i>	Star Jasmine	1 gallon @ 3' o.c.

PLANTING DETAILS

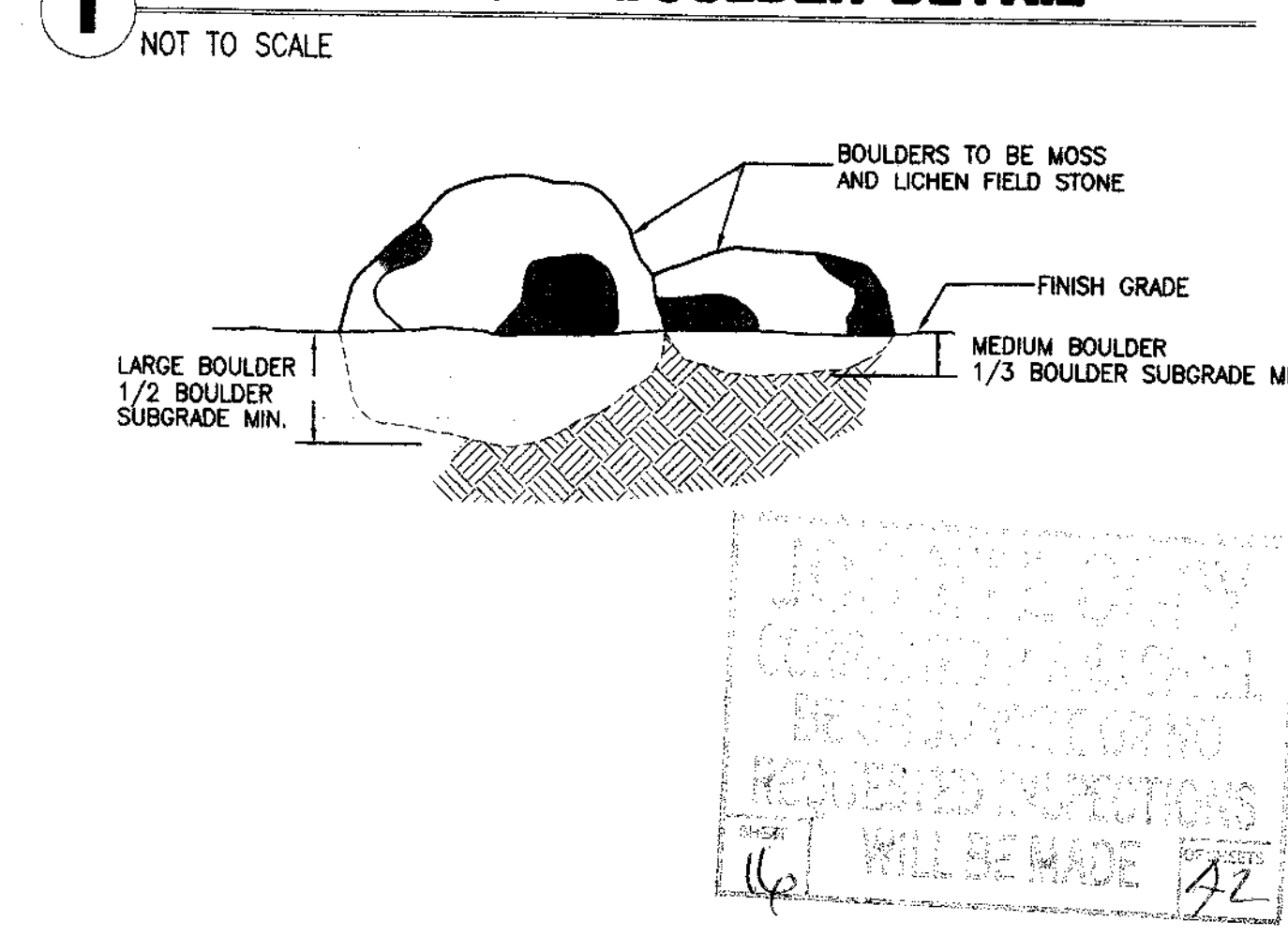
G TYPICAL SHRUB PLANTING DETAIL



H TYPICAL TREE PLANTING DETAIL

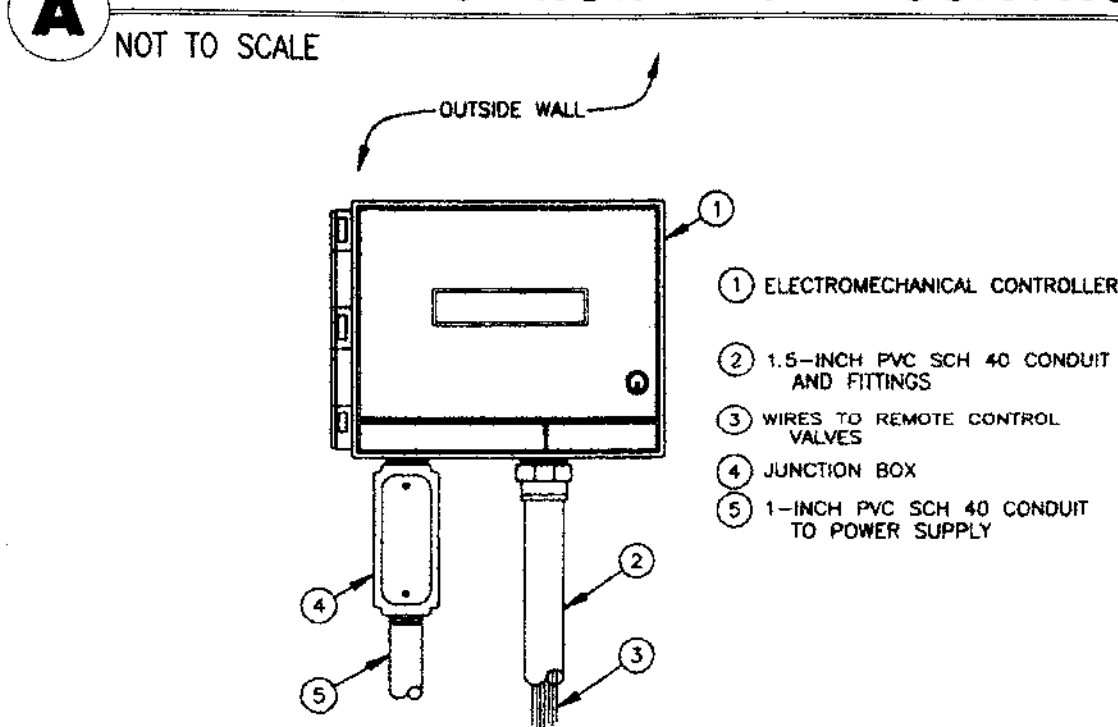


I TYPICAL BOULDER DETAIL

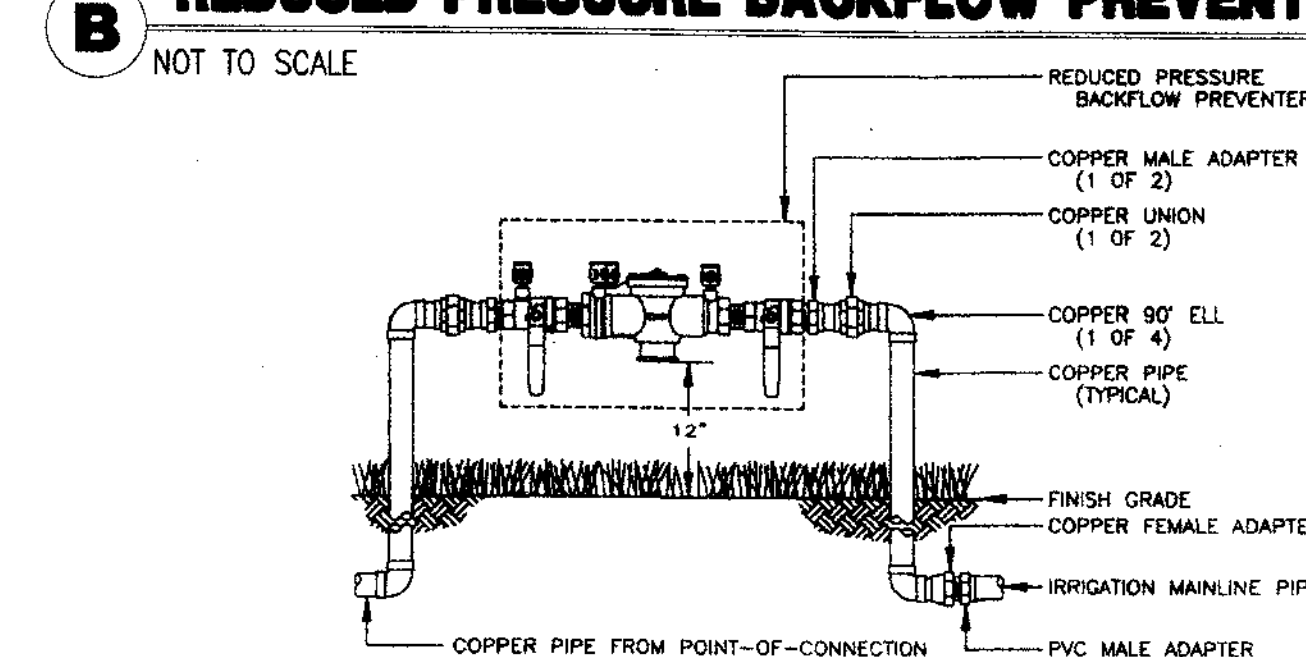


IRRIGATION DETAILS

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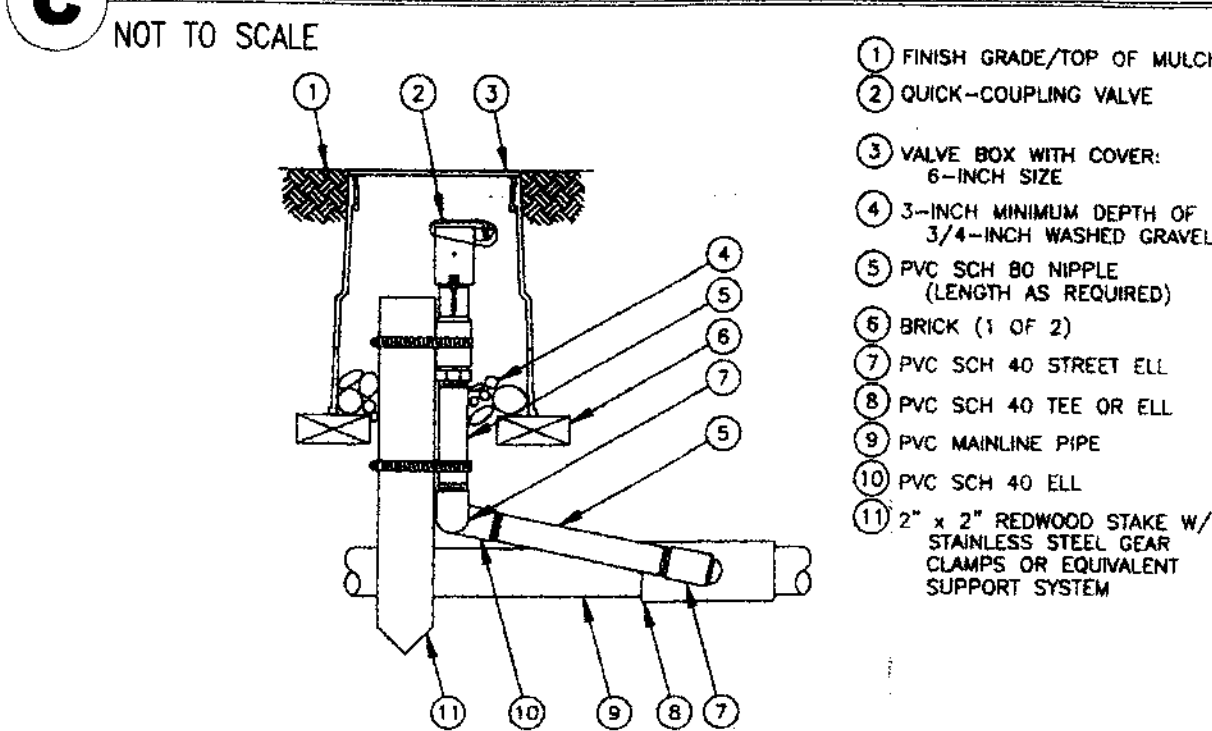


B REDUCED PRESSURE BACKFLOW PREVENTER

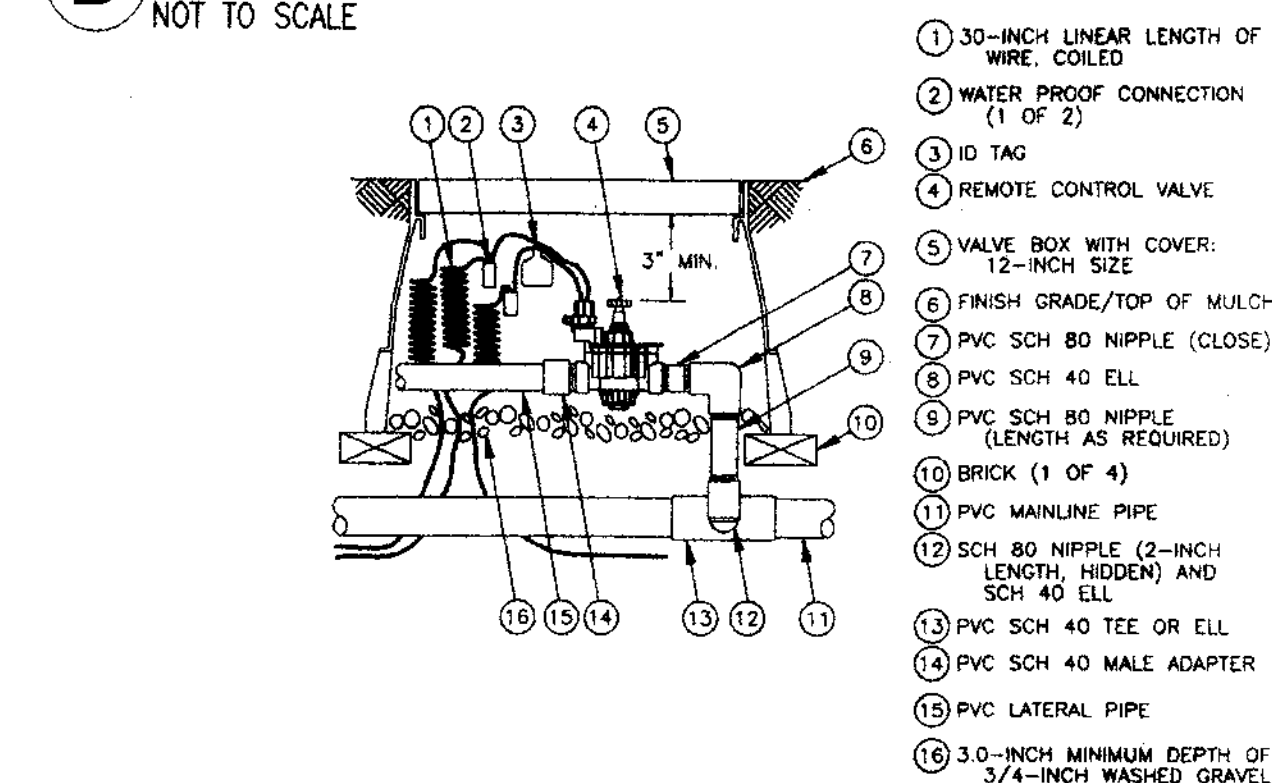


NOTES:
1. INSTALL BACKFLOW PREVENTER AS REQUIRED BY LOCAL CODES AND HEALTH DEPARTMENT. VERIFY LOCAL REQUIREMENTS PRIOR TO INSTALLATION.
2. INSTALL PROTECTIVE STRUCTURES AS REQUIRED BY WATER DEPARTMENT.

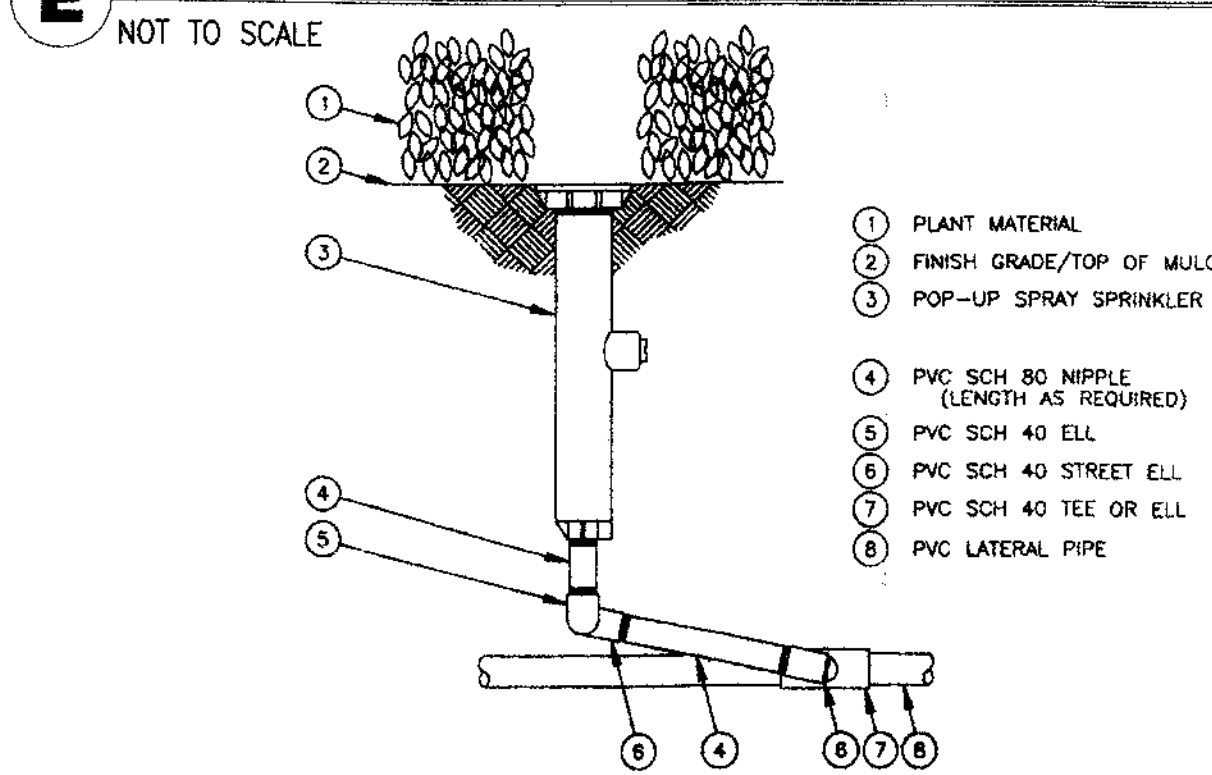
C QUICK-COUPLING VALVE



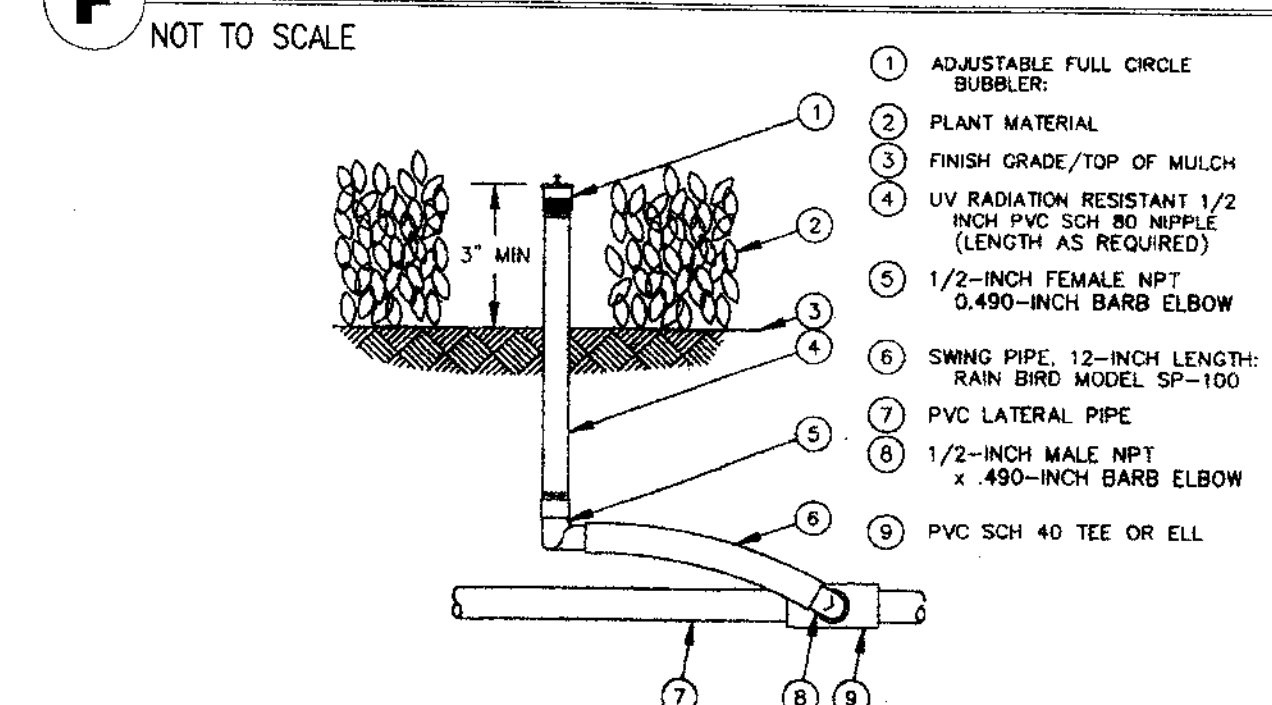
D REMOTE CONTROL VALVE



E POP-UP SPRAY SPRINKLER



F BUBBLER



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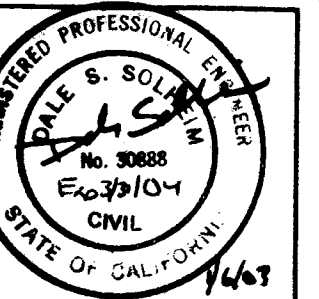
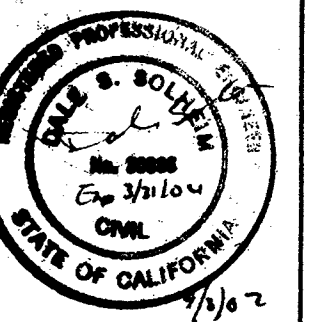
PLANTING & IRRIGATION DETAILS
HOUSEHOLD HAZARDOUS WASTE FACILITY
SAN JOAQUIN COUNTY

Job No: 01-841
Drawn By: DS
Checked By: DS
Date: JUL 11, 2002

Revisions By

Sheet Number
L3
3 of 3

SU 3770

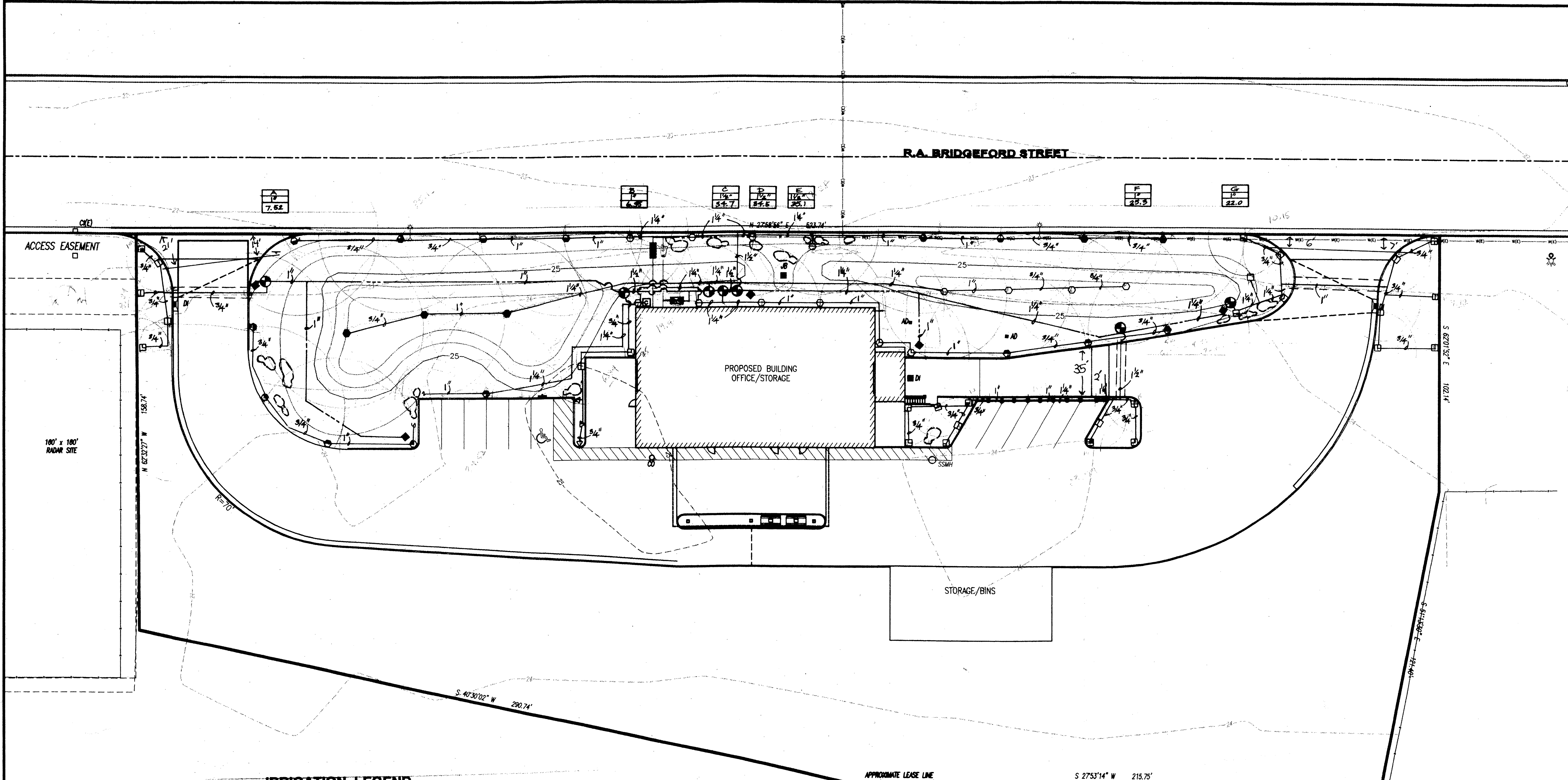


IRRIGATION PLAN
HOUSEHOLD HAZARDOUS WASTE FACILITY
 SAN JOAQUIN COUNTY

Job No: 01-841
Drawn By: DS
Checked By: DS
Date: JUL 11, 2002

Revisions	By

Sheet Number
L2
2 of 3



IRRIGATION LEGEND

Sym	Description	Manufacturer / Model	Radius	GPM	PSI
RUBBLER					
●	FULL CIRCLE	Rainbird 1404	3'	1.00	30
SPRAY POP-UPS					
▽	6" END STRIP	Rainbird 1806-PRS-18EST	4' x 18'	.61	30
▽	6" SIDE STRIP	Rainbird 1806-PRS-18SST	4' x 30'	1.21	30
□	6" QTR. CIRCLE	Rainbird 1806-PRS-18Q	15'	.39	30
□	6" QTR. CIRCLE	Rainbird 1806-PRS-18Q	15'	.92	30
□	6" 1/3 CIRCLE	Rainbird 1806-PRS-18T	15'	1.23	30
□	6" 1/3 CIRCLE	Rainbird 1806-PRS-18T	15'	1.85	30
□	6" 1/2 CIRCLE	Rainbird 1806-PRS-18H	15'	2.46	30
□	6" 3/4 CIRCLE	Rainbird 1806-PRS-18TT	15'	3.70	30
□	6" FULL CIRCLE	Rainbird 1806-PRS-18F	15'	3.70	30
ROTOR POP-UPS					
low angle					
⊙	12" QTR. CIRCLE	Rainbird 8012-PC / nozzle 1.0	25'	.80	35
⊙	12" HALF CIRCLE	Rainbird 8012-PC / nozzle 2.0	25'	1.77	35
⊙	12" FULL CIRCLE	Rainbird 8012-PC / nozzle 4.0	25'	3.84	35
standard angle					
⊙	12" QTR. CIRCLE	Rainbird 8013-PC / nozzle 1.0	25'	.97	35
⊙	12" HALF CIRCLE	Rainbird 8013-PC / nozzle 3.0	37'	3.11	35
⊙	12" FULL CIRCLE	Rainbird 8013-PC / nozzle 6.0	37'	6.42	35

ADDITIONAL ITEMS

- ⊠ AUTOMATIC CONTROLLER Rainbird ESP-LX Plus 12 station / wall mount
- ⊠ REDUCED PRESSURE BACKFLOW PREVENTER Febco 825Y (1 1/4" size)
- ⊠ REMOTE CONTROL VALVE Rainbird PGA Series (See plan for size)
- ⊠ QUICK COUPLER Rainbird 44LC (w/ matching keys)
- PRESSURE MAINLINE MIN. SCH. 40 PVC PIPE (16" MIN. COVER)
- LATERAL SUPPLY LINE MIN. SCH. 200 PVC PIPE (12" MIN. COVER)
- 3" SCH. 40 SLEEVE
- ⊠ VALVE
- ⊠ SIZE
- ⊠ GPM

★ Substitutions of equal quality can be made with PRIOR authorization from the Owner or Owner's Authorized Representative.

NOTES:

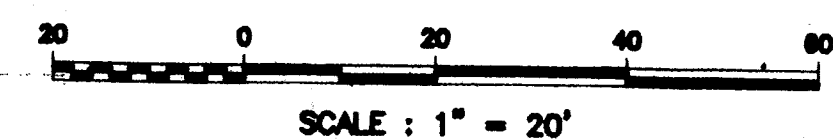
This design is diagrammatic. All piping, valves, etc. shown within paved areas is for design clarification only and shall be installed in planting areas. Avoid any conflicts between the sprinkler system, planting and architectural features.

Parallel pipes may be installed in a common trench. Pipes are not to be installed directly above one another.

Irrigation Contractor will verify a minimum pressure of 60 PSI * and a maximum output of 35 GPM at the Point-of-Connection prior to the start of any work. Report discrepancies immediately to the Owner or Owner's Authorized Representative.

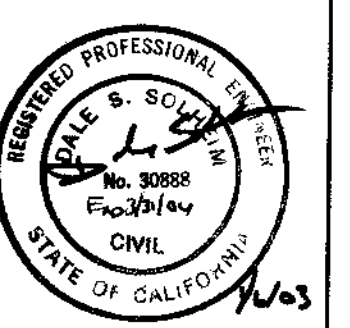
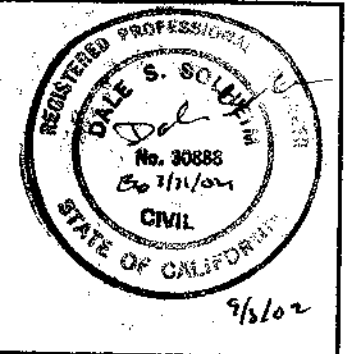
(* Pressure per San Joaquin County Department of Public Works)

JOBSITE COPY
CORRECTED PLANS SHALL
BE ON JOBSITE OR NO
REQUESTED INSPECTIONS
WILL BE MADE



SU 3771

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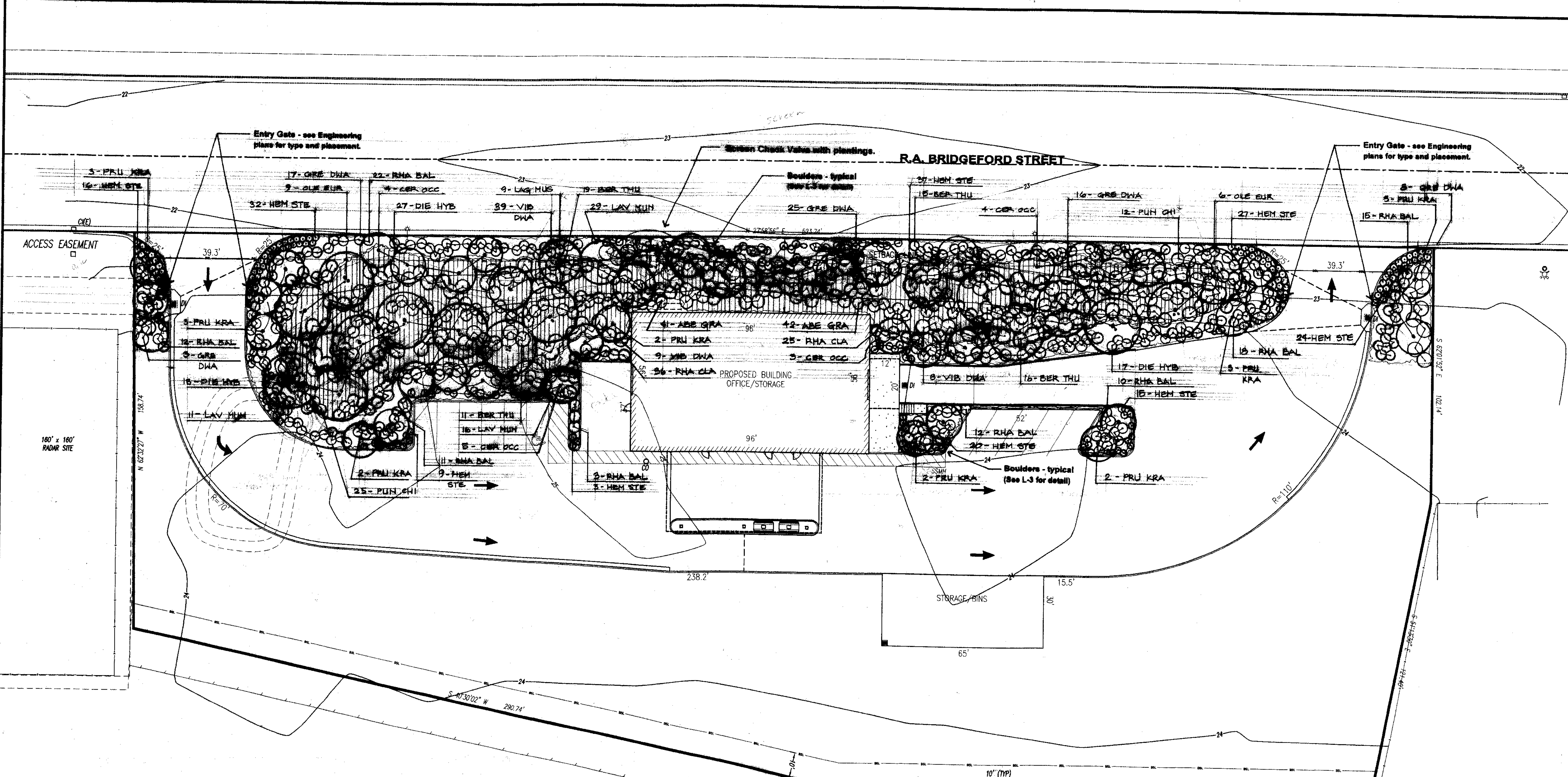


PLANTING PLAN
HOUSEHOLD HAZARDOUS WASTE FACILITY
 SAN JOAQUIN COUNTY

Job No: 01-841
 Drawn By:
 Checked By: DS
 Date: JUL 11, 2002

Revisions	By

Sheet Number
L1
 1 of 3

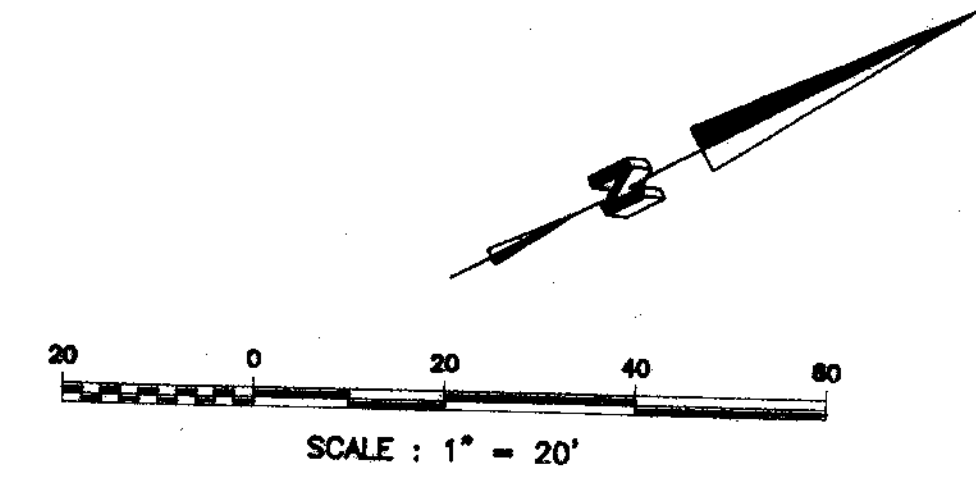


PLANT LEGEND

Symbol	Latin Name	Common Name	Size
TREES:			
CER OCC	<i>Cercis occidentalis</i>	Western Redbud	44-gallon 24" Dia.
LAV MUS	<i>Lagerstroemia l. 'Muskogee'</i>	Lavender Crape Myrtle	44-gallon 24" Dia.
OLE BUR	<i>Olea europaea 'Swan Hill'</i>	Fruitless Olive (multi-trunk)	44-gallon 24" Dia.
PRU KRA	<i>Prunus c. 'Purple Yewville'</i>	Purple Leaf Plum	48-gallon 24" Dia.
SHRUBS:			
ABE GRA	<i>Abelia grandiflora 'Shawwood'</i>	Dwarf Glossy Abelia	5 gallon
BER THU	<i>Berberis thunbergii 'Orange Bomb'</i>	Dwarf Japanese Barberry	5 gallon
DIE HYB	<i>Dielsia hybrid 'Orange Drop'</i>	Fortnight Lily	1 gallon
GRS DWA	<i>Grewia r. 'Dwarf'</i>	Dwarf Spangary Grewia	5 gallon
HIB SUN	<i>Hibiscus s. 'Sunset de Oro'</i>	Dwarf Yellow Hibiscus	1 gallon
LAV BUR	<i>Lavandula s. 'Silverleaf'</i>	Dwarf Fragrant Lavender	5 gallon
PUN CHI	<i>Punica granatum 'Chico'</i>	Dwarf Pomegranate	5 gallon
RHA BAL	<i>Rhephiolepis l. 'Ballarina'</i>	Dwarf Pink leaf Hawthorn	5 gallon
RHA CLA	<i>Rhephiolepis l. 'Clara'</i>	White leaf Hawthorn	5 gallon
VIB DWA	<i>Viburnum tinus 'Dwarf'</i>	Compact Viburnum	5 gallon
GROUNDCOVERS:			
	<i>Gazania 'Sunburst'</i>	Orange Trailing Gazania	from Niss @ 18" o.c.
	<i>Trachelium jamaicense</i>	Star Jasmine	1 gallon @ 3' o.c.

- NOTES:**
- All planting areas will have a layer of bark mulch. (See notes on L-3 for clarification.)
 - Plants have been chosen for their flowering and/or foliage color, longevity and natural growing habit, low water use, and minimal maintenance needs.
 - Selected plants require only minimal seasonal pruning, thereby reducing on-site grass waste.
 - Shrubs are meant to have a natural, rounded shape. Harsh shaping and hedging are not recommended.
 - Materials have been selected from the Stockton Metro Airport - Special Purpose Plan Project Waste Guidelines & Standards. Recommendations from the San Joaquin County Planning Department and Solid Waste Division staff are also incorporated.

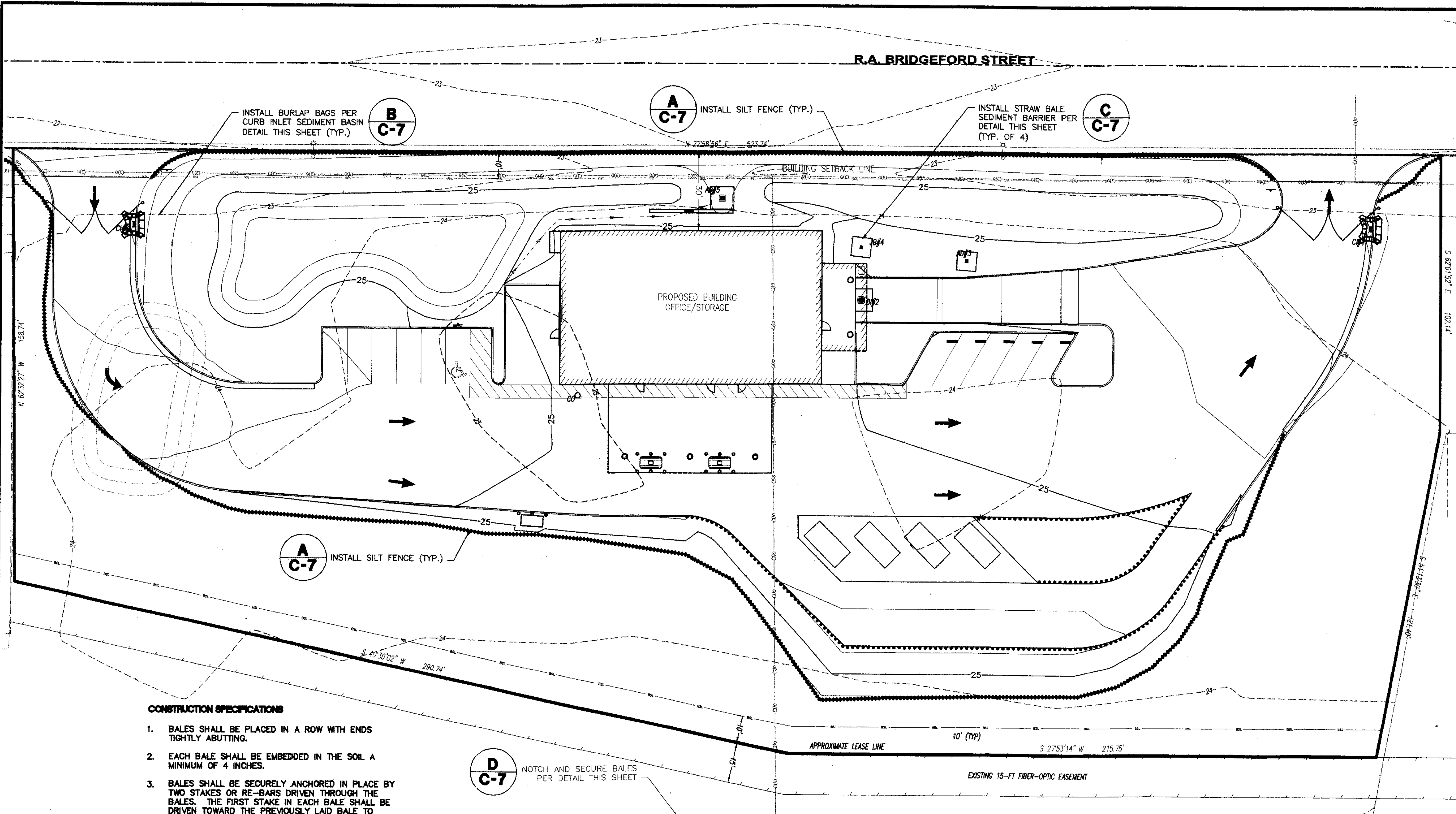
See Sheet L-3 for Planting Notes and Details.
 See Engineering Plans for underground utilities, drainage and grading.



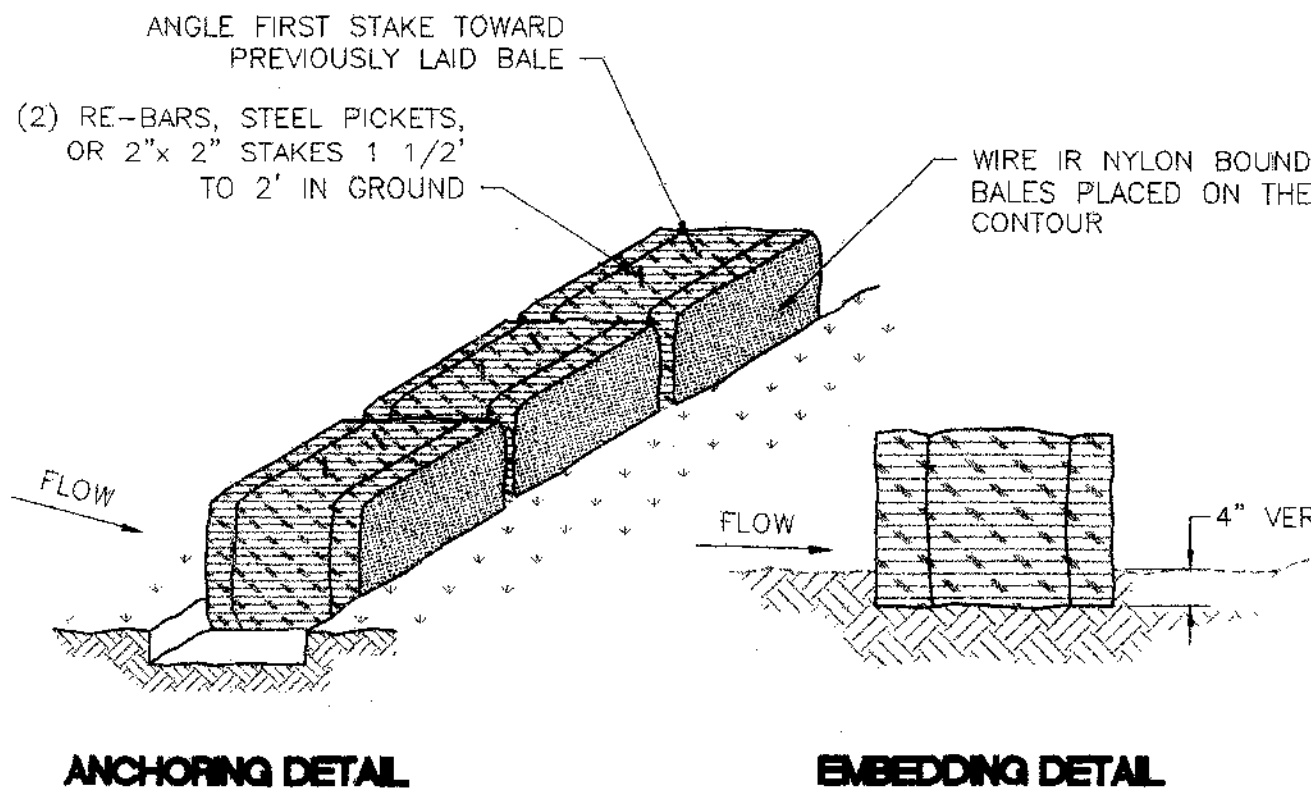
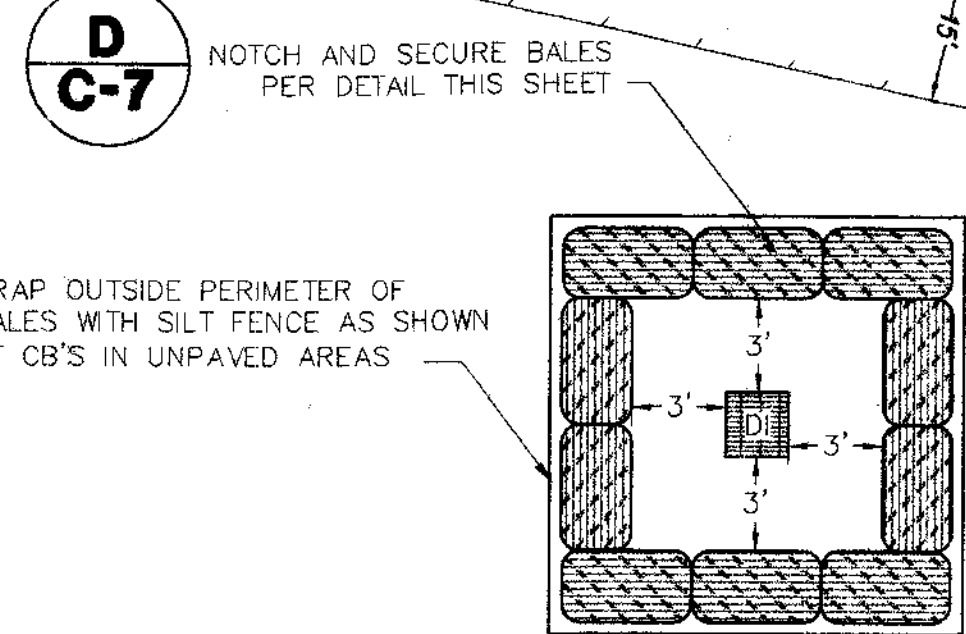
SU 3772
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 Plot Date: Dec 17, 2001 at 14:27

Revisions	By

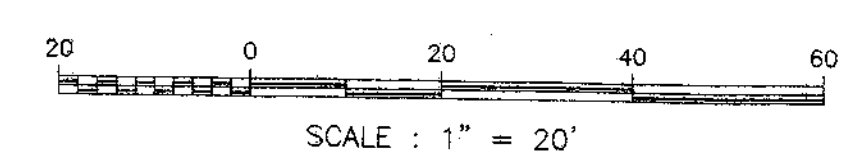
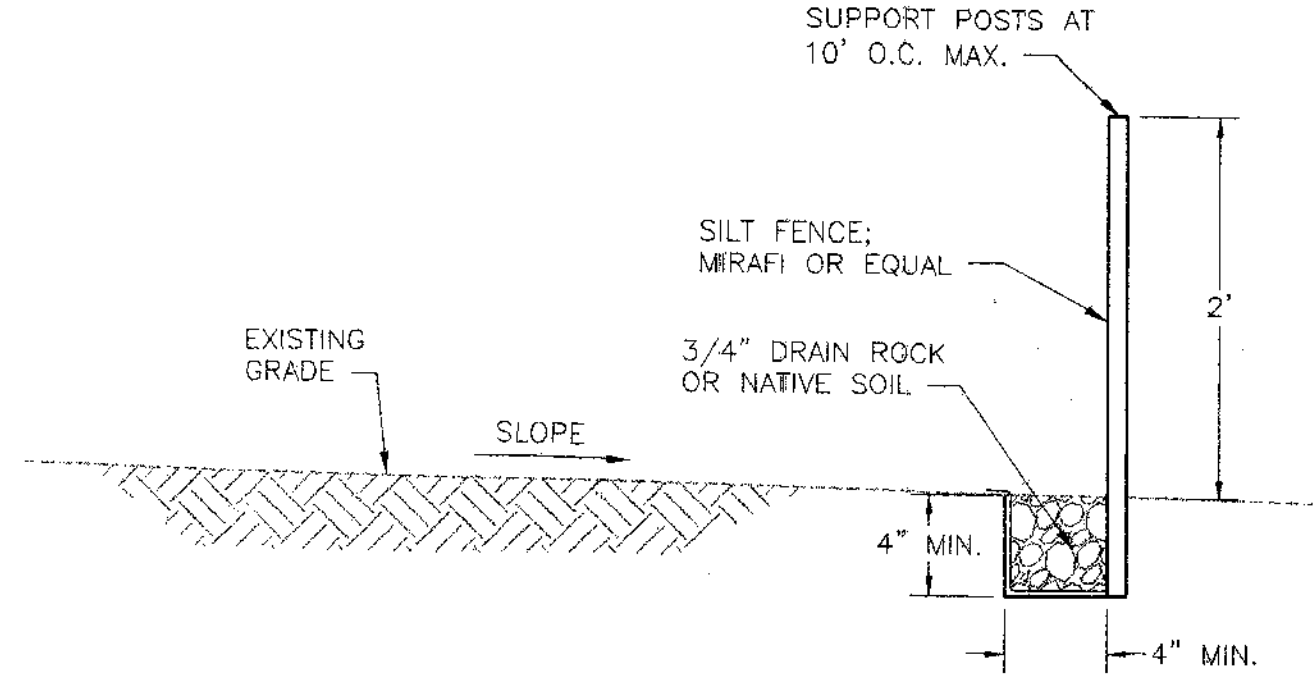
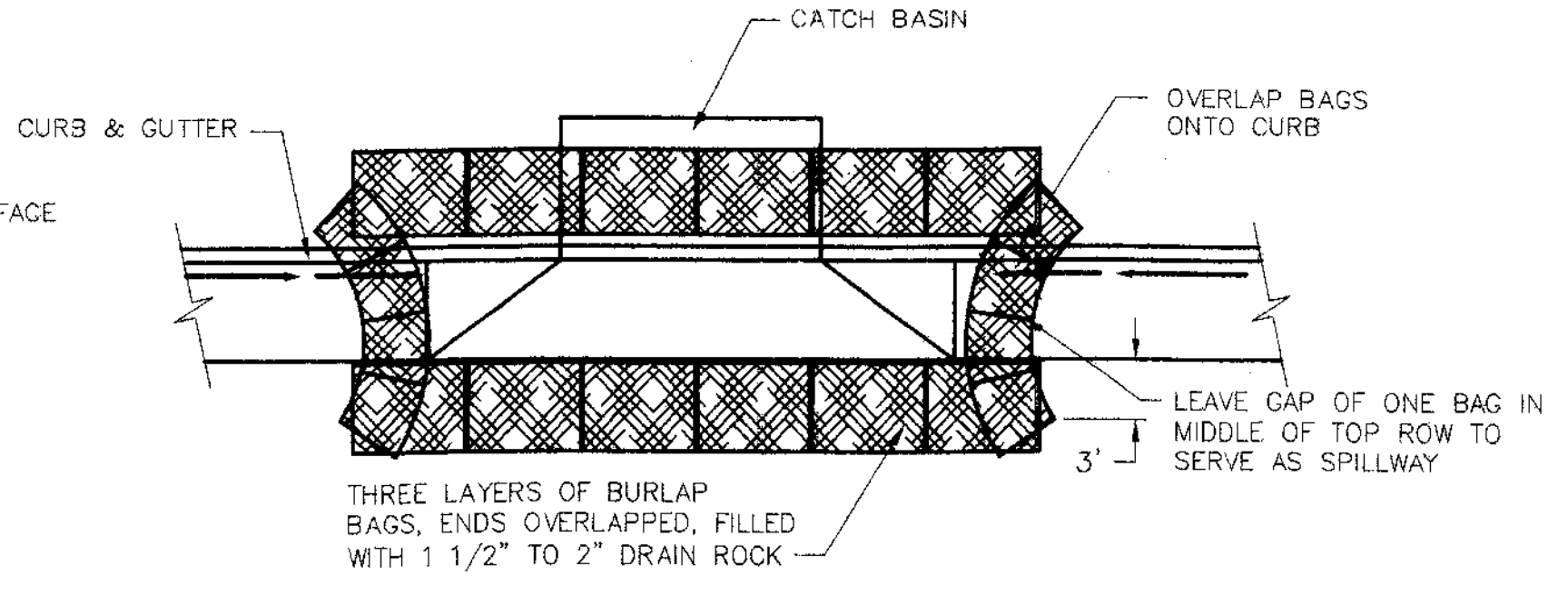
- NOTES**
- All graded areas and exposed soil affected by this project shall have erosion control measures in place by October 15. Erosion control materials and application shall be in accordance with Section 20 of the CalTrans Standard Specifications.
 - The Contractor shall be responsible for constant maintenance of erosion control measures at all times during the construction period to the satisfaction of the Engineer and County of San Joaquin.
 - The Contractor shall be responsible for clean-up of mud and debris carried onto surrounding properties, streets and roads as a result of construction activity on the site to the satisfaction of the Engineer and County of San Joaquin.
 - Erosion control measures shall be in place and in accordance with the Erosion Control Plan for the entire period between October 15 and April 15.
 - Inlets shall be inspected after each storm event and properly maintained to assure that sediment does not enter the storm drain system.
 - The Contractor shall implement all applicable Best Management Practices (BMPs) from the California Storm Water Quality Best Management Practices Handbook for Construction Activities and the Storm Water Pollution Prevention Plan Prepared for this project. Additional BMPs may be required by the City Engineer as necessary to minimize pollution of storm water runoff and the City storm drain system.



- CONSTRUCTION SPECIFICATIONS**
- BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING.
 - EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4 INCHES.
 - BALES SHALL BE SECURELY ANCHORED IN PLACE BY TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
 - THE DIKE SHALL BE INSPECTED AFTER EACH STORM, AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
 - BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR PURPOSE SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.



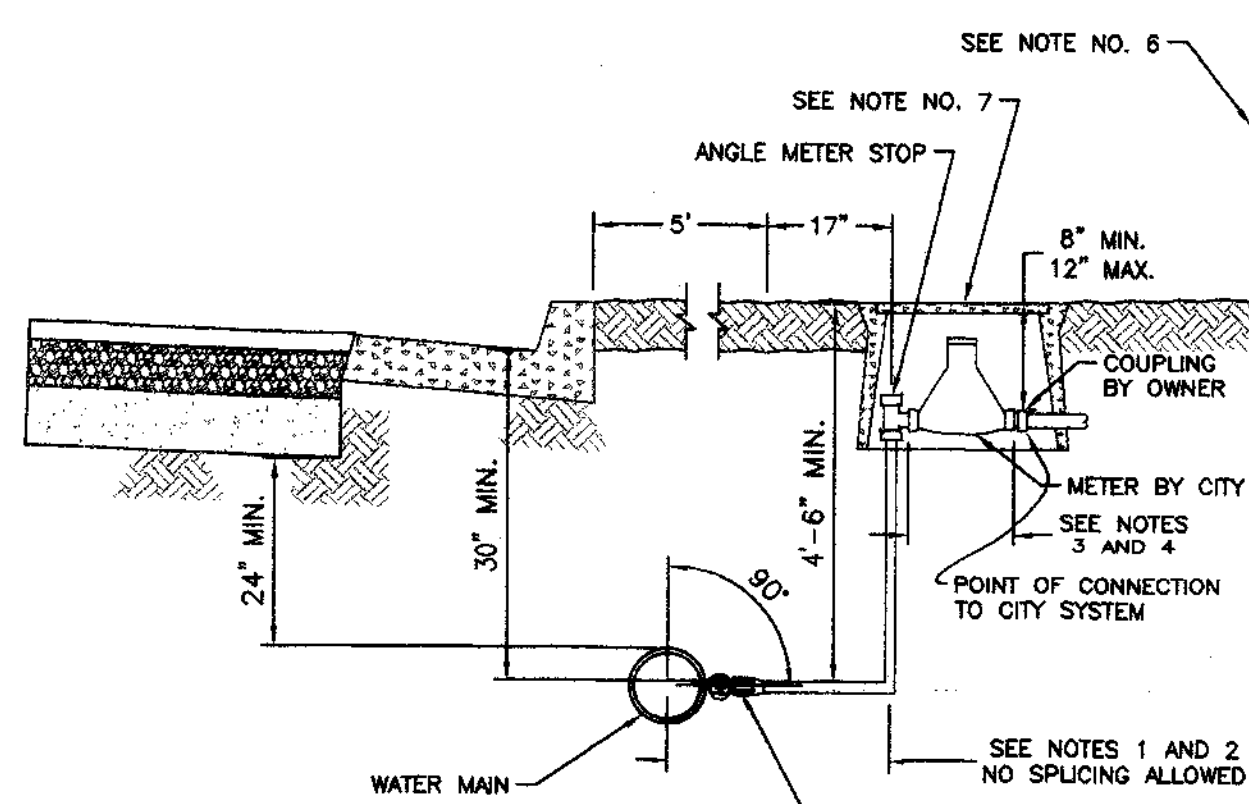
C C-7 STRAW BALE PLACEMENT DETAIL
NOT TO SCALE



LEGEND

	NEW ASPHALT CONCRETE PAVEMENT
	NEW PCC PAD OR SIDEWALK
	EXISTING CONTOUR
	PROPOSED CONTOUR
	BUILDING SETBACK LINE
	EXISTING SANITARY SEWER
	EXISTING GAS MAIN
	EXISTING WATER LINE
	EXISTING STORM DRAIN
	NEW FIRE WATER
	NEW STORM DRAIN PIPE
	NEW SANITARY SEWER PIPE
	LEASE LINE

SU 3773



NOTE:
ALL SERVICE TAPS ON P.V.C. WATER MAINS TO BE MADE WITH "JAMES JONES" J-998 (OR EQUAL) SERVICE CLAMP.

CORPORATION STOP "JAMES JONES" J-3402 OR J-89 WITH J-2608 ADAPTER

SEE NOTES 1 AND 2 NO SPLICING ALLOWED

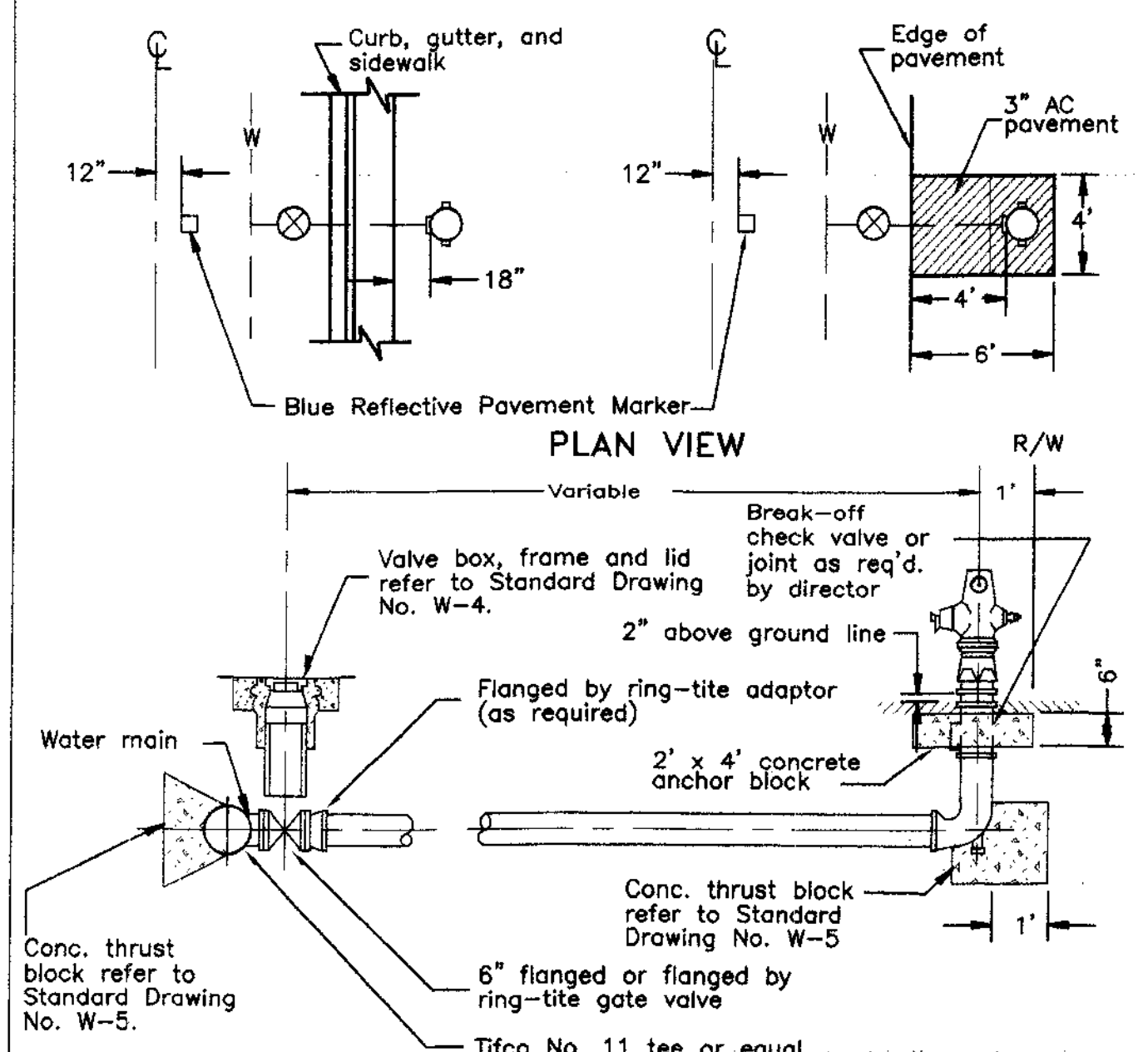
TYPICAL WATER SERVICE INSTALLATION FOR CITY WATER SERVICE AREAS ONLY

NOTES:

- 1 1/2" DIA. MIN. LINE TO EACH LOT
- SEE SHEET NO. 96 AND 96A FOR FITTINGS
- METERS SHALL BE FURNISHED AND INSTALLED BY CITY OF STOCKTON
- ALLOW 8" MIN. CLEARANCE AND MAX. OF 12" BURY FOR 1 1/2" METER
- THE LOCATION OF THE TAP SHALL BE A MIN. OF 24" FROM ANOTHER TAP, BELL, SPIGOT, OR OTHER FITTING.
- METER BOX MAY BE PLACED ADJACENT TO PROPERTY OR EASEMENT LINE WITH PRIOR APPROVAL OF THE CITY ENGINEER.
- USE BROOKS NO.37 METER BOX WITH NO. 37 TR/PL (TOUCH READ/PIT PROBE) COVER OR CHRISTY B-12 METER BOX WITH B12 TR/PL COVER. ALL BOXES LOCATED IN DRIVEWAY AREAS TO HAVE TRAFFIC COVERS WITH TOUCH READ HOLE 1 3/4" DIA. HOLE FOR T/R METER IN UPPER RIGHT OR LOWER LEFT CORNER OF LID.
- PLASTIC SERVICE PIPE TO BE CONTINUOUS (NO JOINTS) BETWEEN MAIN AND 90" ELL.

1 1 1/2" WATER SERVICE
NOT TO SCALE

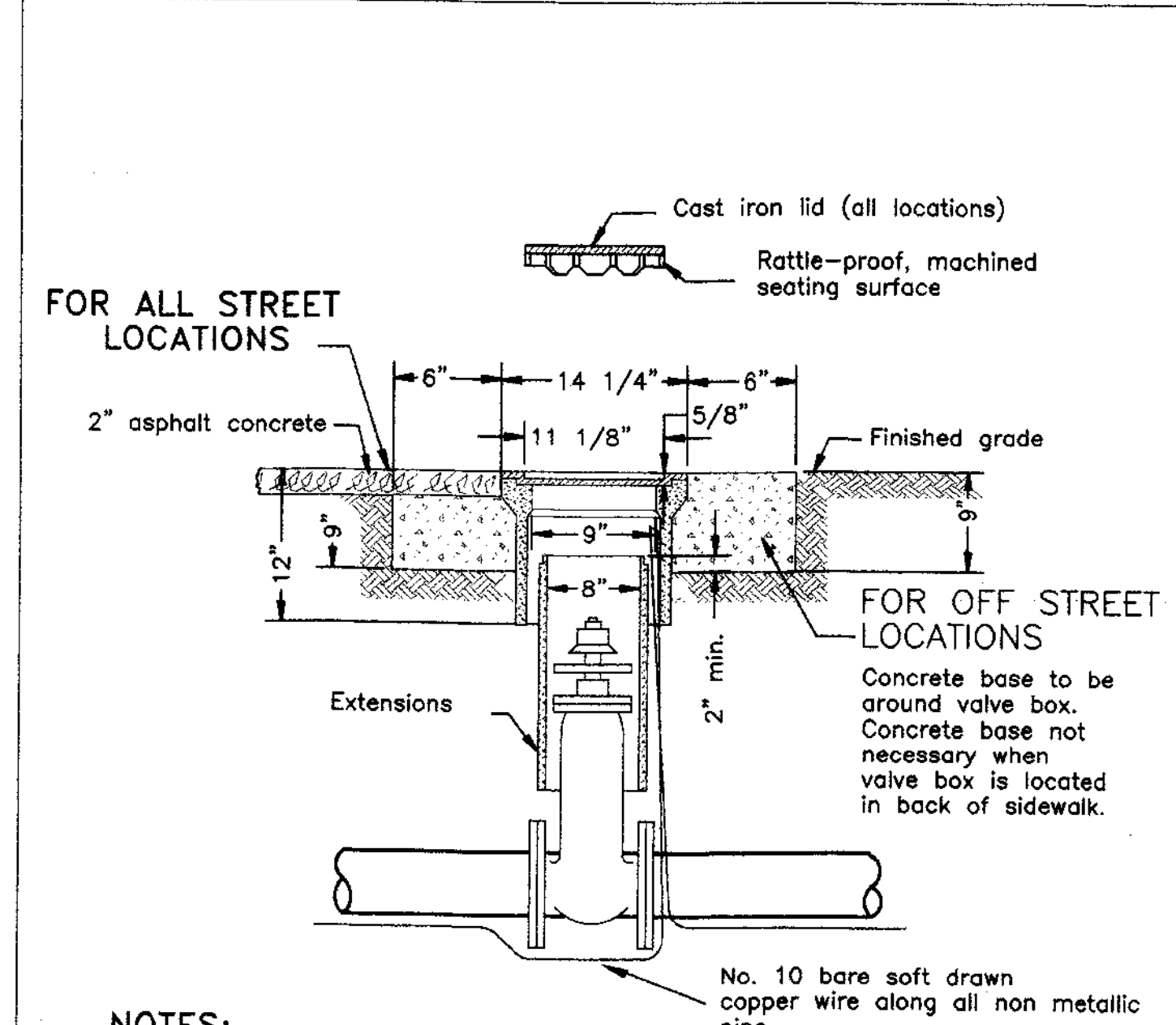
CITY OF STOCKTON
DEPARTMENT OF PUBLIC WORKS
Date 2/23/95
Drawing No. 93



- NOTES:**
1. Fire hydrants shall be placed with pumper outlet facing directly towards the street.
 2. Fire hydrants shall be clean and free of concrete.
 3. Fire hydrants to be American Darling model B-62B, Long Beach model 615, James Jones J-4060, Dresser M & H style 929 "reilant", Mueller "Centurion" or "Modern Centurion", or approved equal with (2) 2 1/2" & (1) 4" outlets. Dry barrel in the Stockton area; (2) 2 1/2" & (1) 4 1/2" wet barrel in other areas as approved by the fire chief.
 4. All hydrants shall be painted OSHA safety yellow or as approved by the fire district.
 5. Break off check valve, Long Beach Iron Works, model LB 400, or approved equal

2 FIRE HYDRANT
NOT TO SCALE

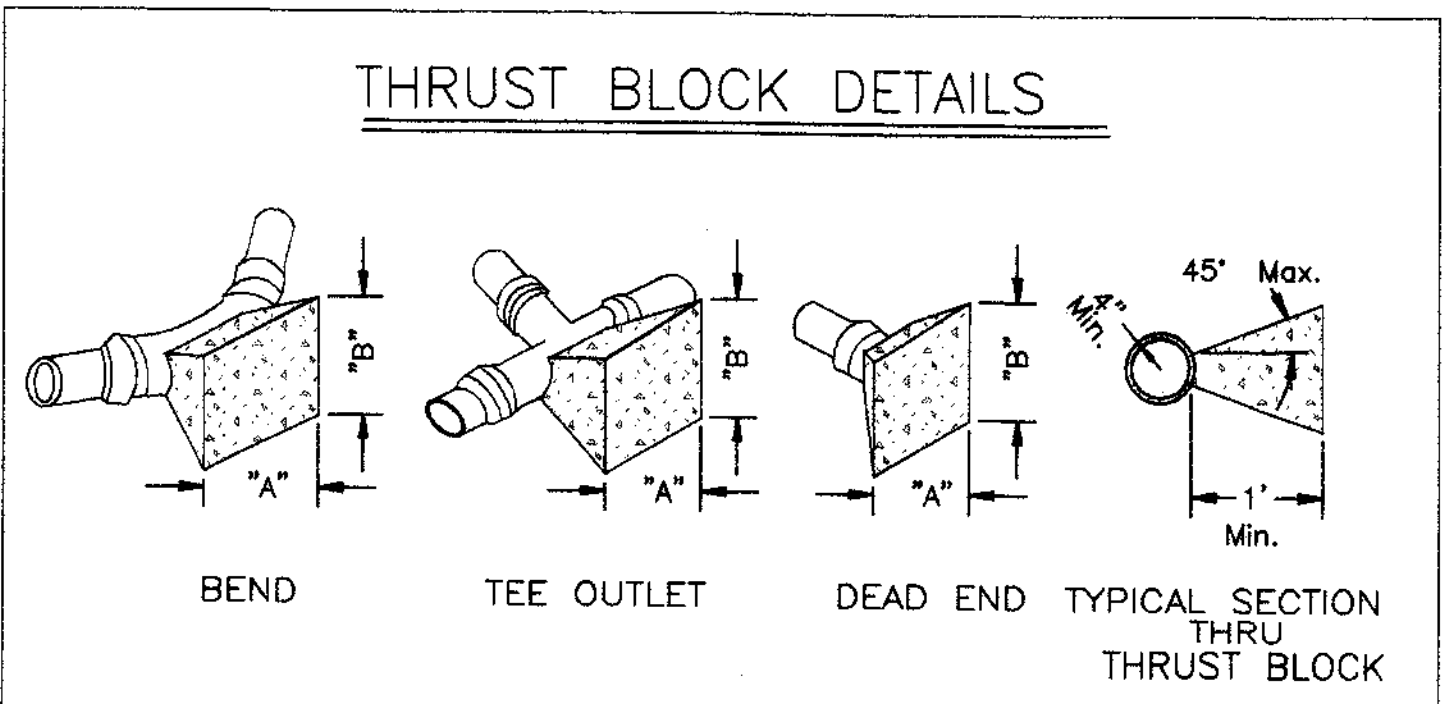
COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS
Date SEPT. 1991
Drawing No. W - 2



- NOTES:**
1. Valve box and lid shall be Christy No. G-5, Brooks No. 1 R T or 4-TT, or equal.
 2. All lids and grade rings shall have machined seating surfaces.
 3. Extensions shall be as manufactured for the valve box supplied or pipe of correct size can be used.

3 VALVE BOX
NOT TO SCALE

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS
Date SEPT. 1991
Drawing No. W - 4

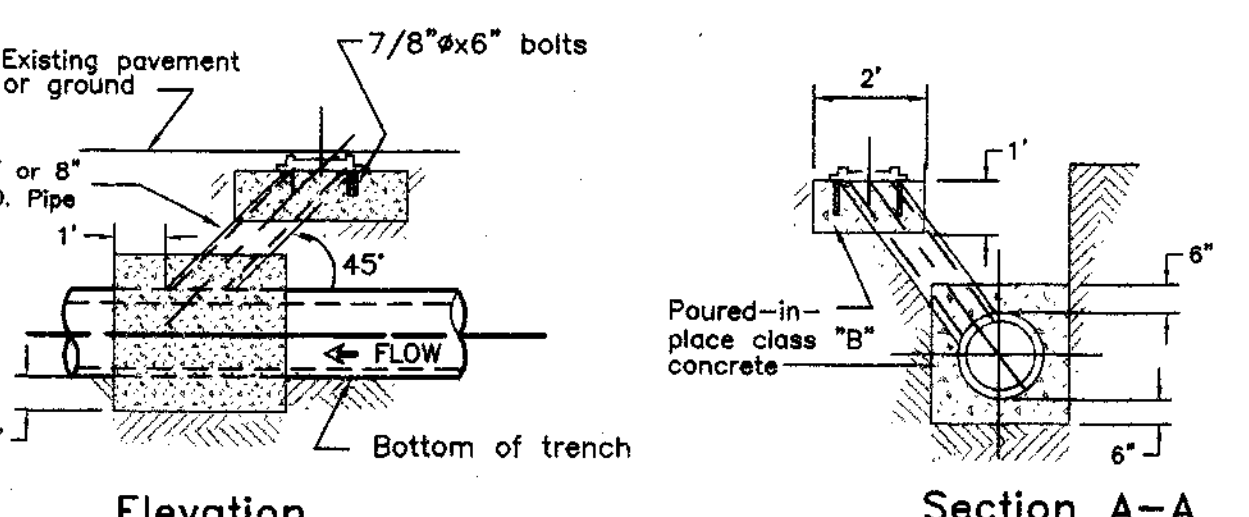
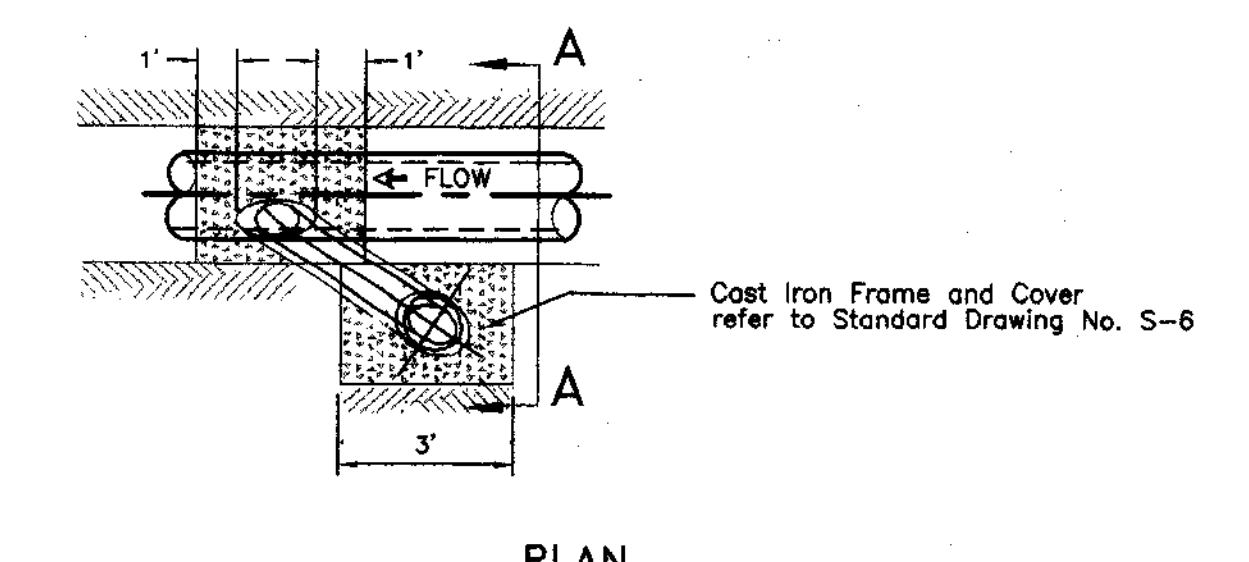


FITTINGS	THRUST BLOCK DIMENSIONS		FITTINGS	THRUST BLOCK DIMENSIONS	
	"A"	"B"		"A"	"B"
6" LINE			10" LINE		
22 1/2	1'-6"	1'-6"	3'-0"	3'-0"	
45	2'-0"	2'-0"	4'-0"	3'-0"	
90	3'-0"	2'-6"	5'-6"	4'-0"	
TEE OUTLET	3'-0"	2'-0"	4'-0"	4'-0"	
DEAD END	3'-0"	2'-0"	4'-0"	4'-0"	
8" LINE			12" LINE		
22 1/2	2'-0"	2'-0"	3'-0"	3'-0"	
45	3'-0"	2'-6"	4'-6"	4'-0"	
90	4'-0"	3'-8"	8'-0"	4'-0"	
TEE OUTLET	3'-6"	3'-0"	5'-6"	4'-0"	
DEAD END	3'-6"	3'-0"	5'-6"	4'-0"	

- NOTES:**
1. All thrust blocks shall be poured against undisturbed soil.
 2. Thrust block dimensions were calculated to allow a soil bearing value of 1,000 pounds per square foot.

4 THRUST BLOCK DETAILS
NOT TO SCALE

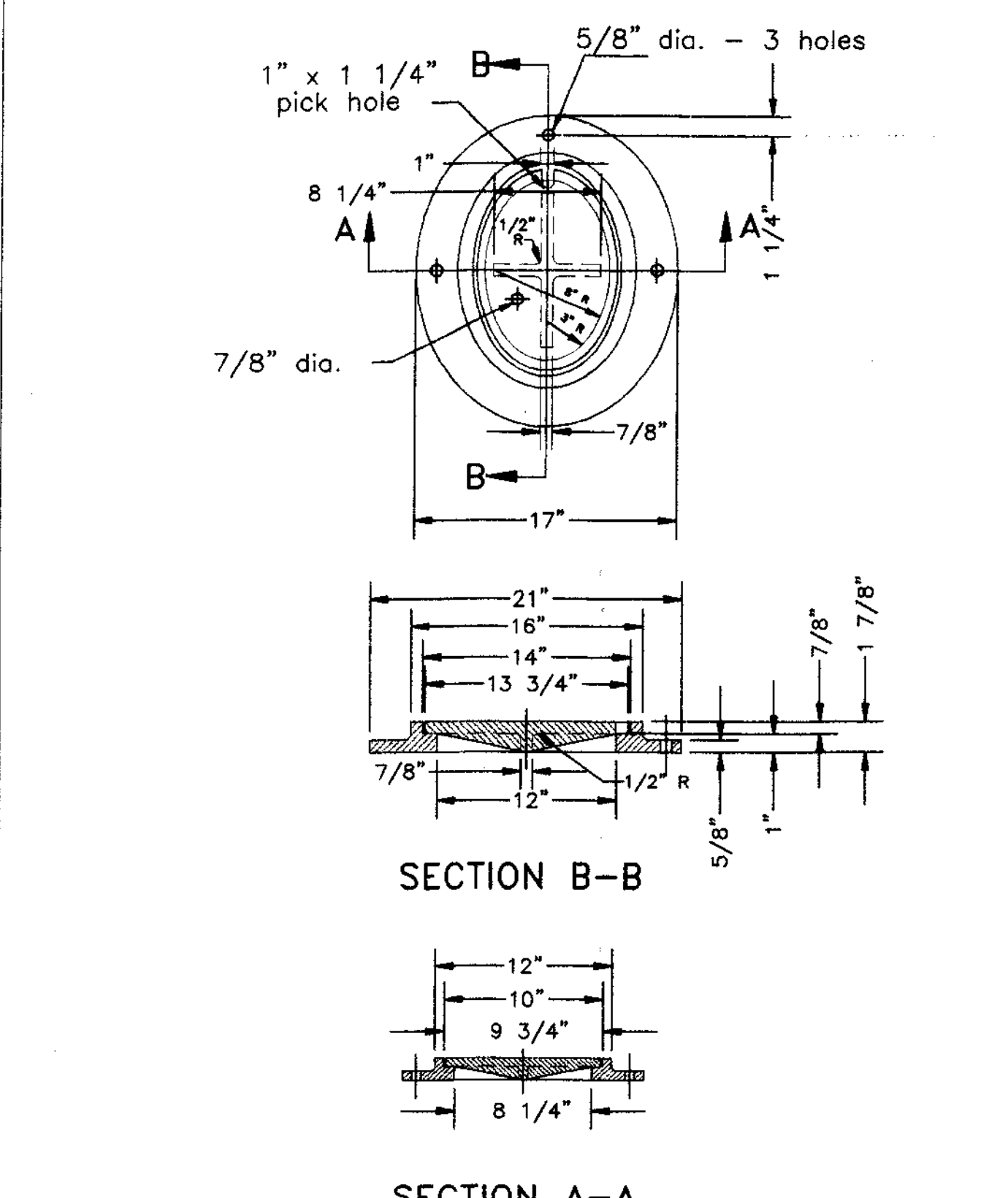
COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS
Date SEPT. 1991
Drawing No. W - 5



TYPICAL CLEANOUT INSTALLATION

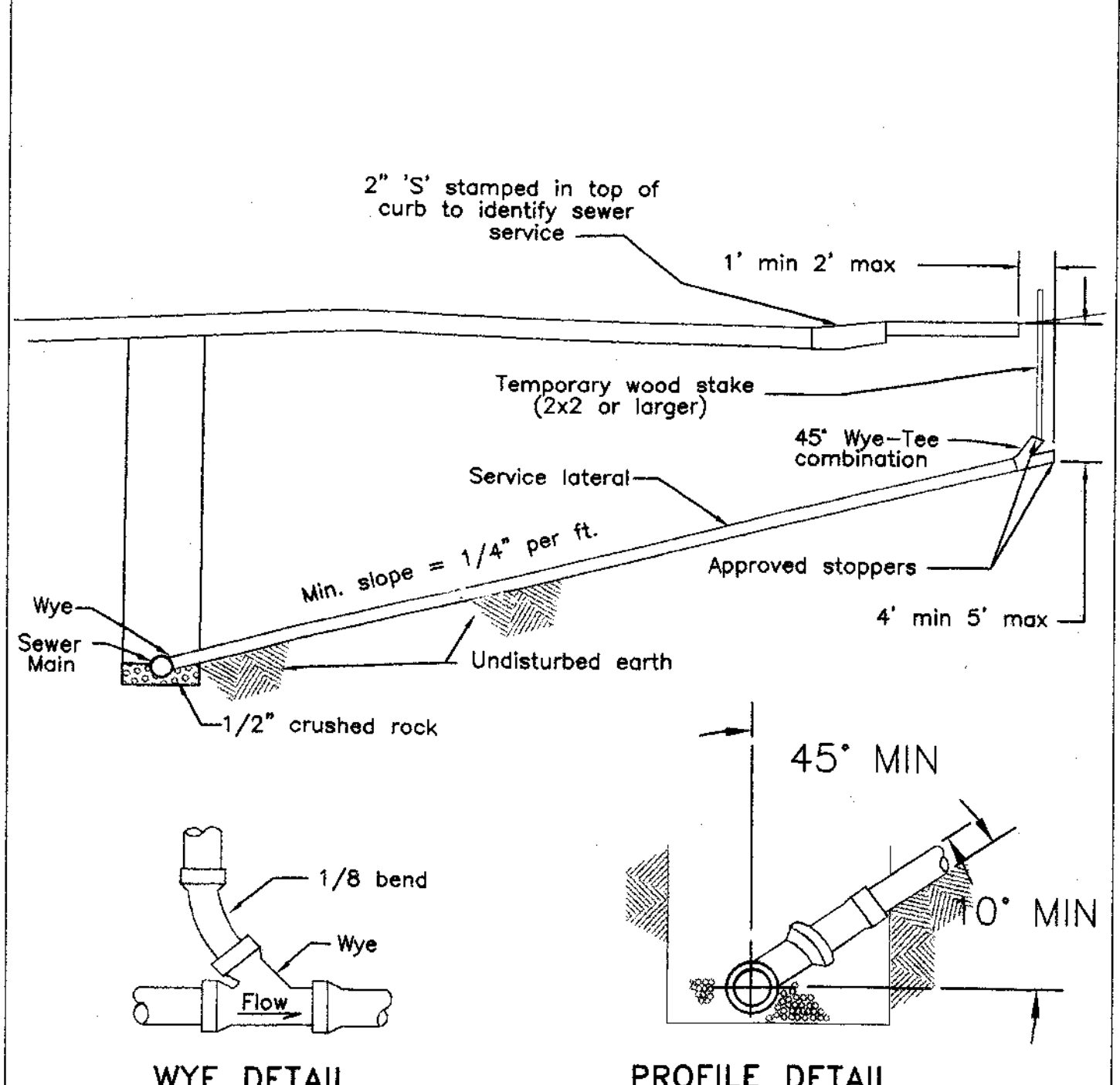
5 SEWER CLEANOUT
NOT TO SCALE

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS
Date SEPT. 1991
Drawing No. S - 5



6 FRAME & COVER (SANITARY SEWER CLEANOUT)
NOT TO SCALE

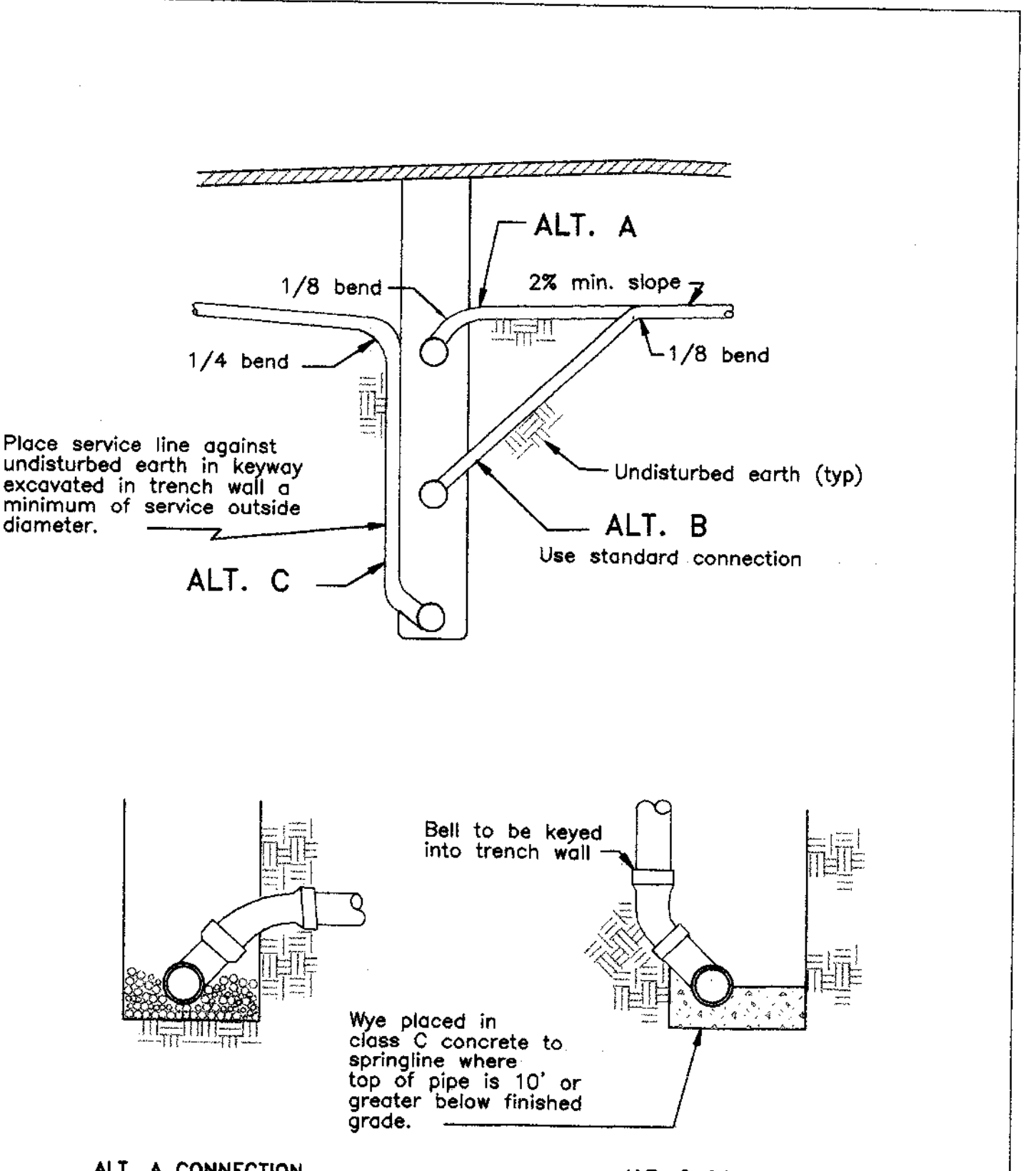
COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS
Date SEPT. 1991
Drawing No. S - 6



- NOTES:**
1. All services shall be 4" inside diameter or as shown on plan.
 2. Contractor shall use the most appropriate type connection (alternates on sht. 2) for the particular situation.
 3. See standard plan for required cleanouts & boxes.

7 SEWER SERVICE LATERAL
NOT TO SCALE

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS
Date SEPT. 1991
Drawing No. S - 7A



7 SEWER SERVICE LATERAL
NOT TO SCALE

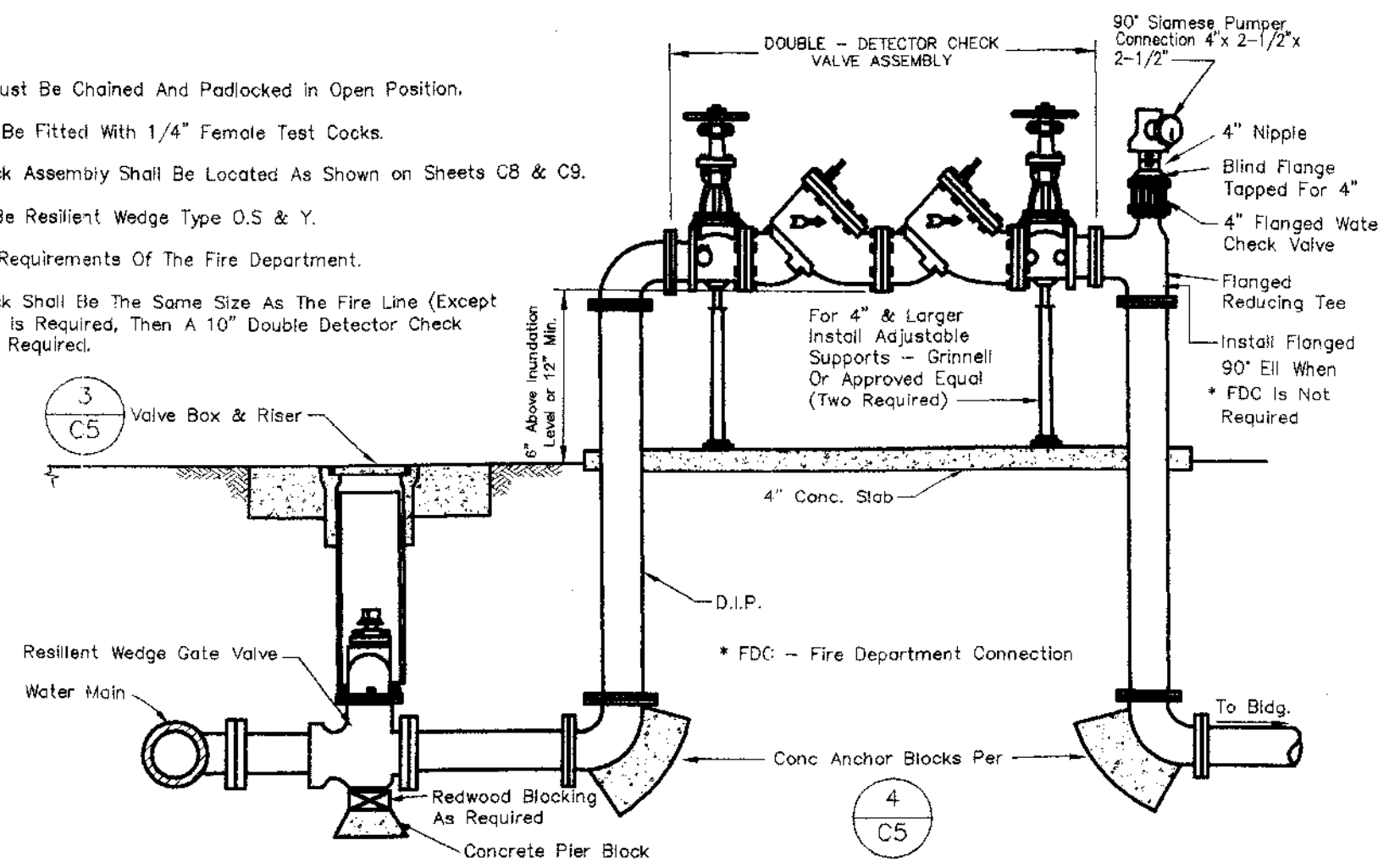
COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS
Date SEPT. 1991
Drawing No. S - 7B

Revisions	By

SU 3774

NOTES:

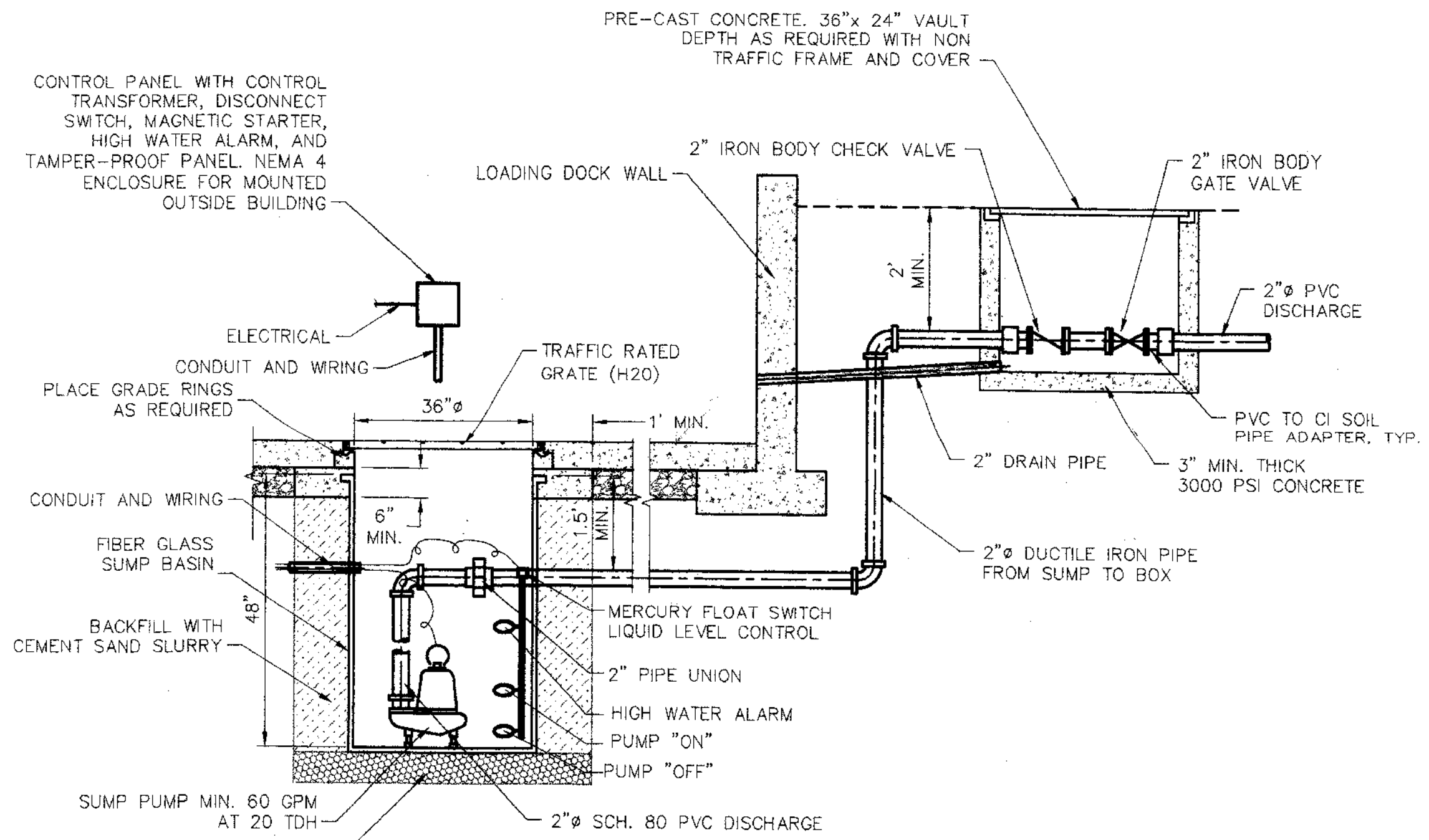
1. All Resilient Valves Must Be Chained And Padlocked In Open Position.
2. All Test Valves Shall Be Fitted With 1/4" Female Test Cocks.
3. Double Detector Check Assembly Shall Be Located As Shown on Sheets C8 & C9.
4. Shut-Off Valves To Be Resilient Wedge Type O.S. & Y.
5. Must Also Meet The Requirements Of The Fire Department.
6. Double Detector Check Shall Be The Same Size As The Fire Line (Except When A 12" Fire Line is Required, Then A 10" Double Detector Check Backflow Assembly is Required).



5
C5

TYPICAL INSTALLATION OF 6' DOUBLE CHECK FIRE LINE BACKFLOW ASSEMBLY DETECTOR

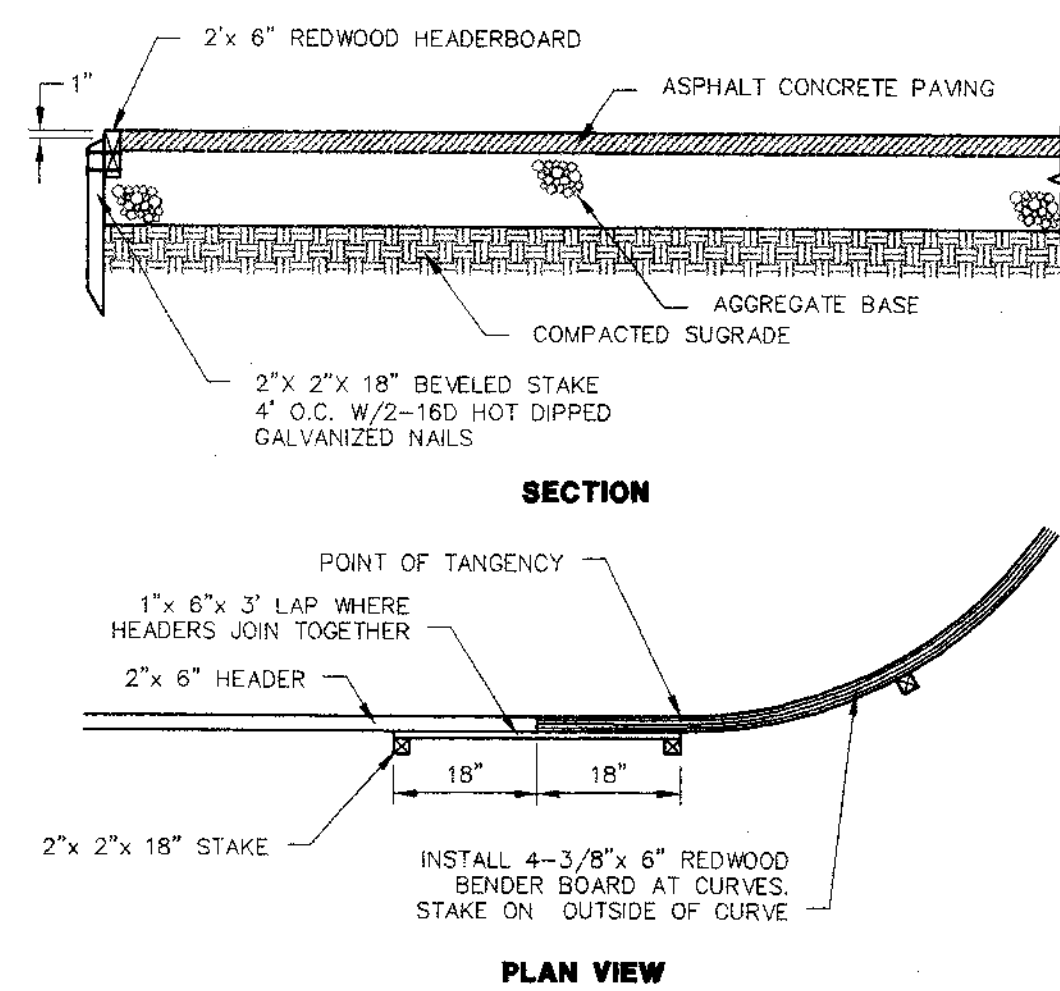
NOT TO SCALE



1
C2

SUMP, PUMP & VALVE DETAILS

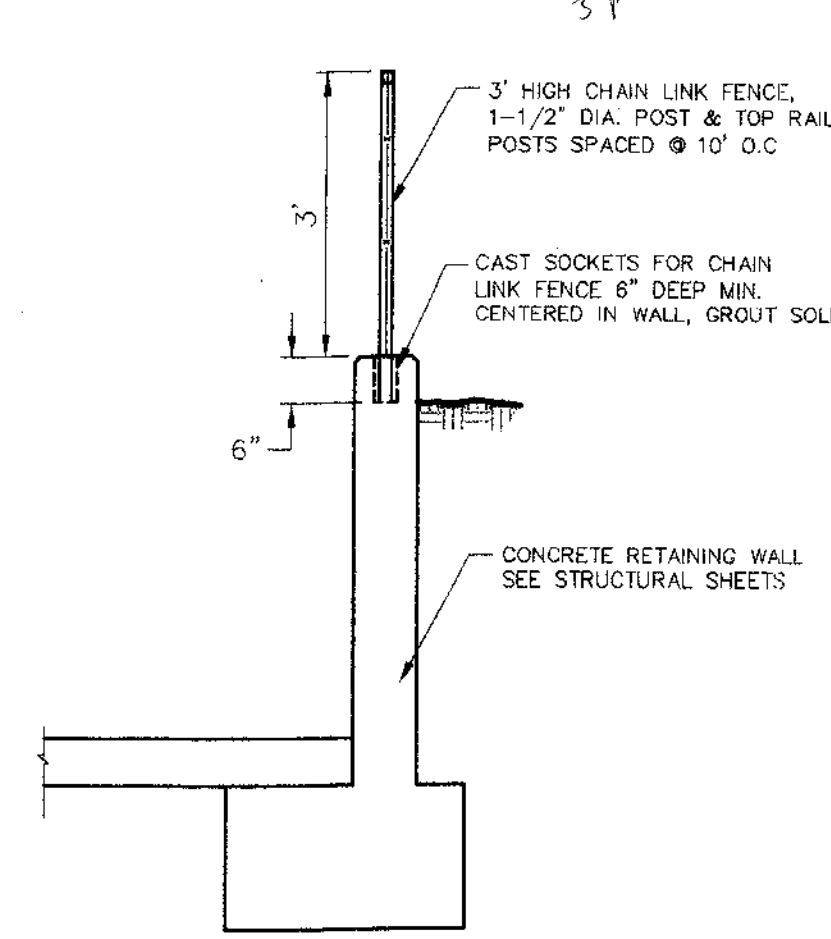
NOT TO SCALE



9
C2

HEADERBOARD DETAIL

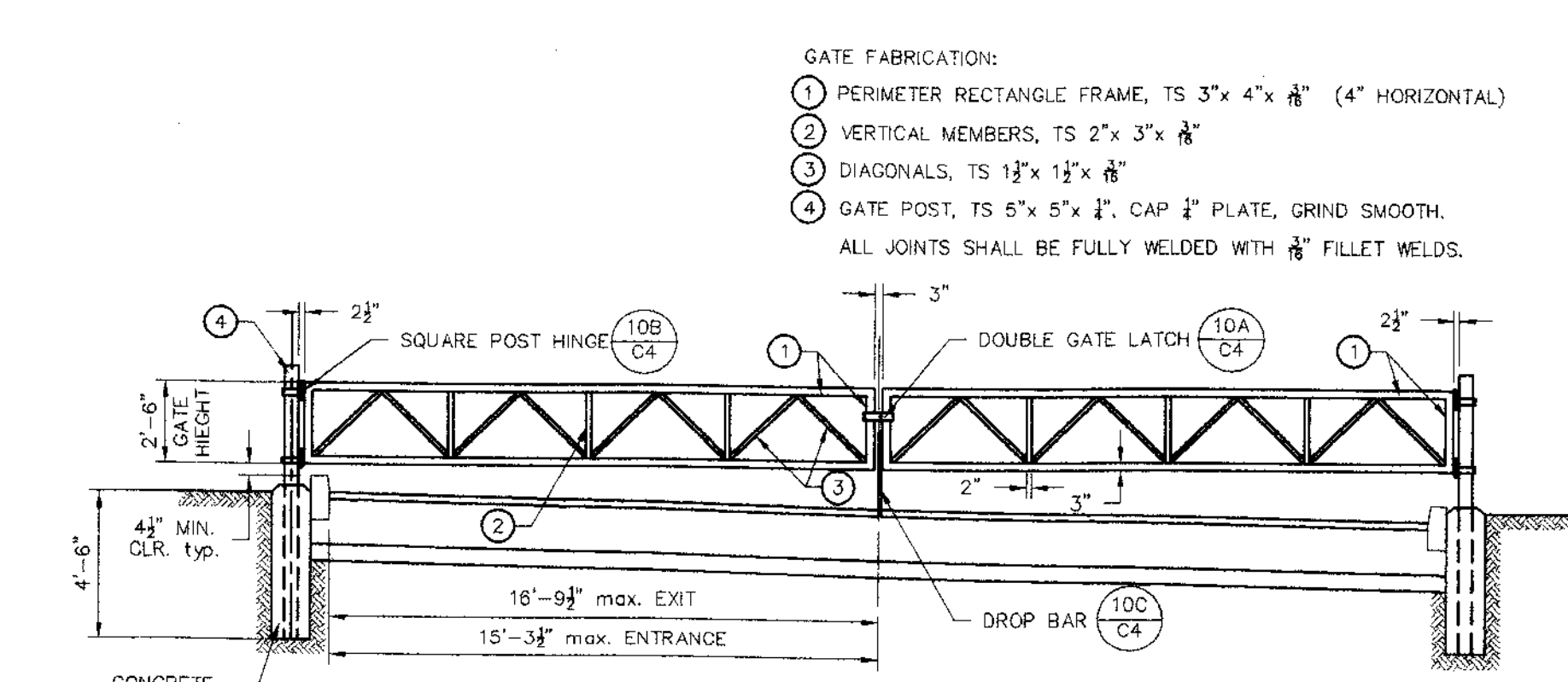
NTS



8
C2

CHAIN LINK FENCE DETAIL

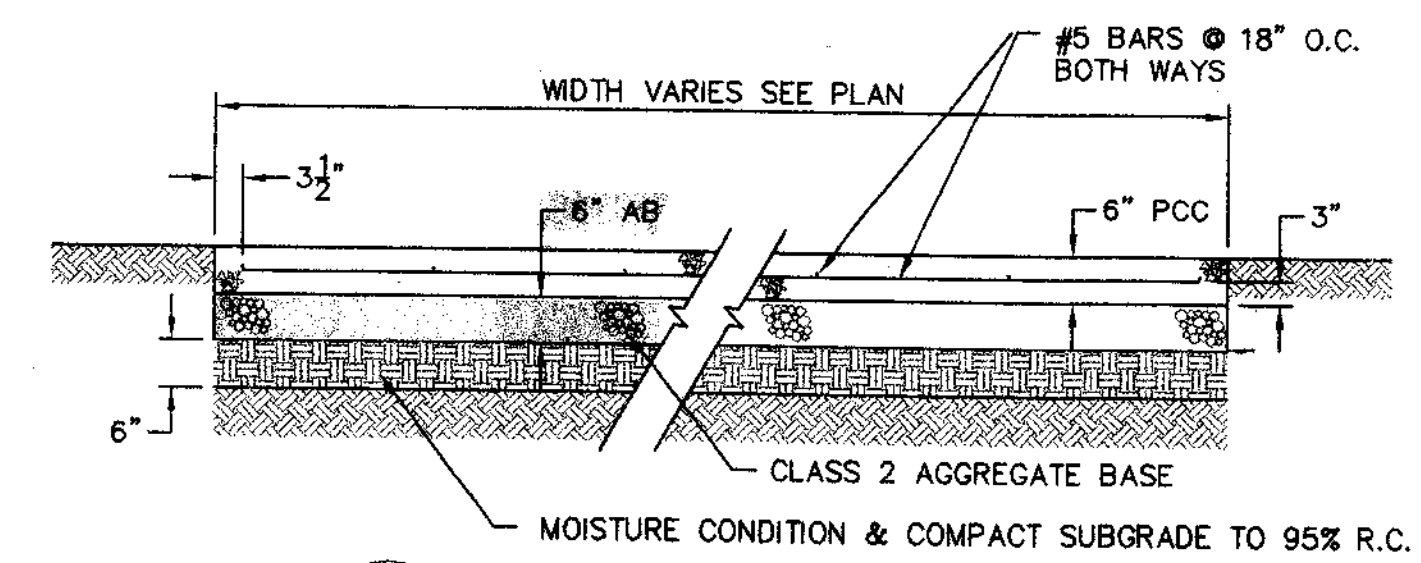
NOT TO SCALE



7
C2

ENTRANCE & EXIT GATE DETAIL

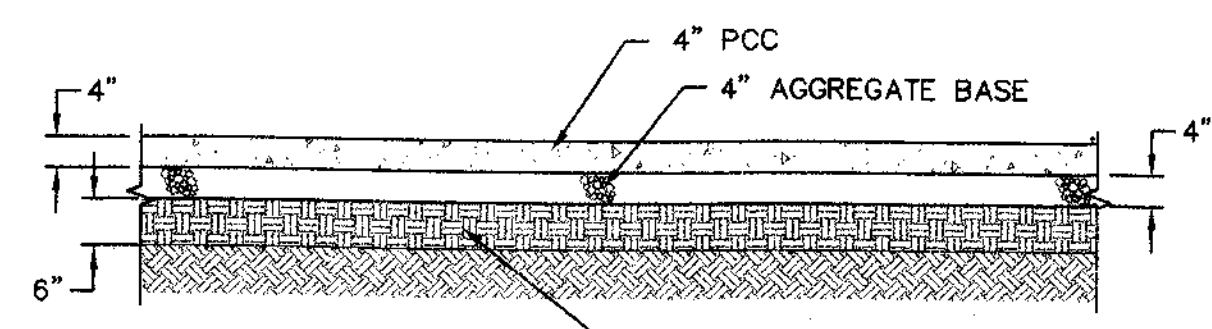
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2
C2

PCC PAD DETAIL

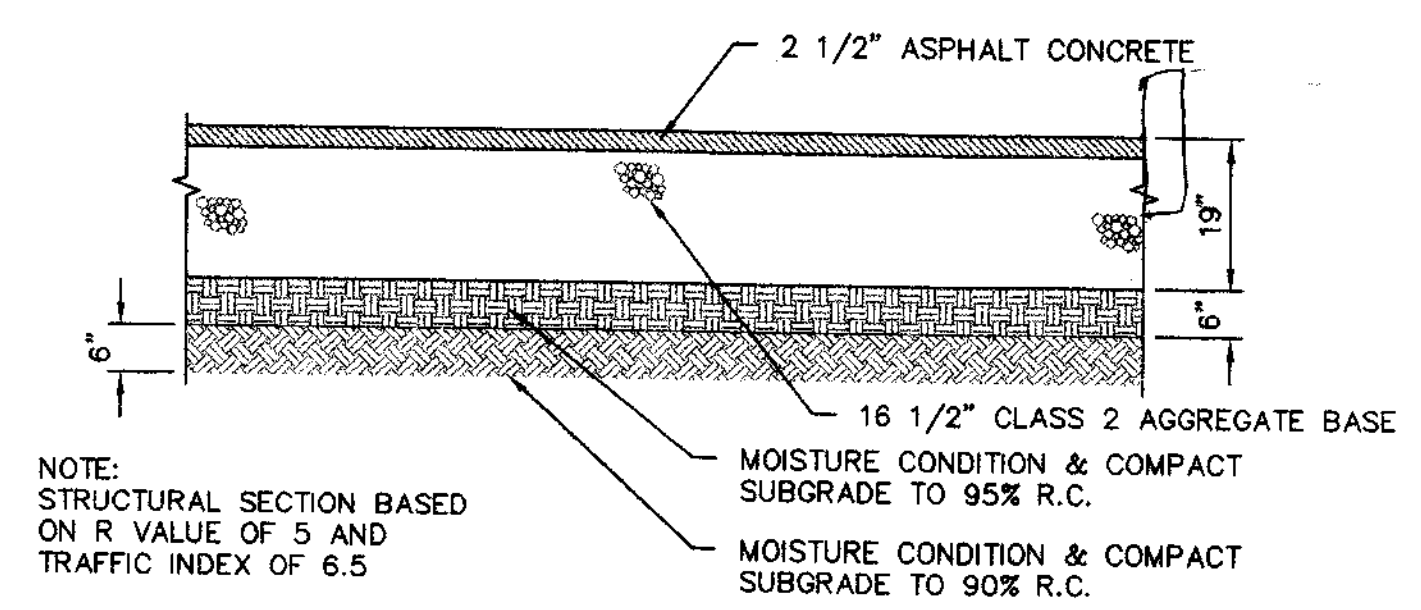
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6
C2

TYPICAL PCC SIDEWALK SECTION

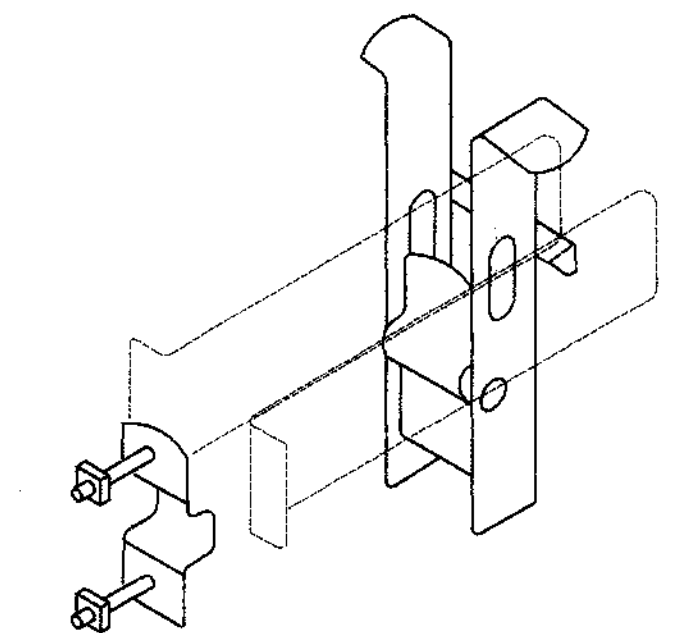
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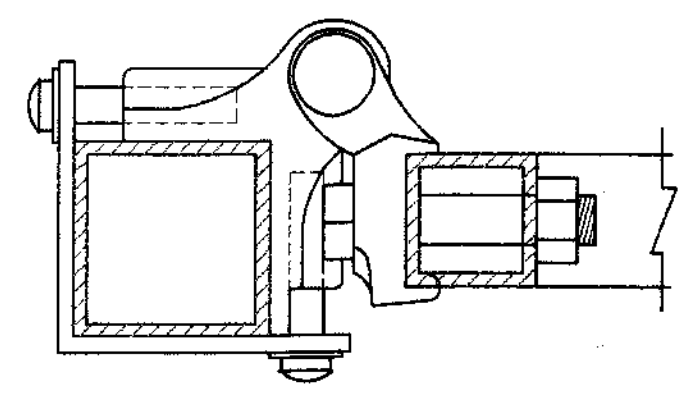
3
C2

TYPICAL PAVEMENT SECTION

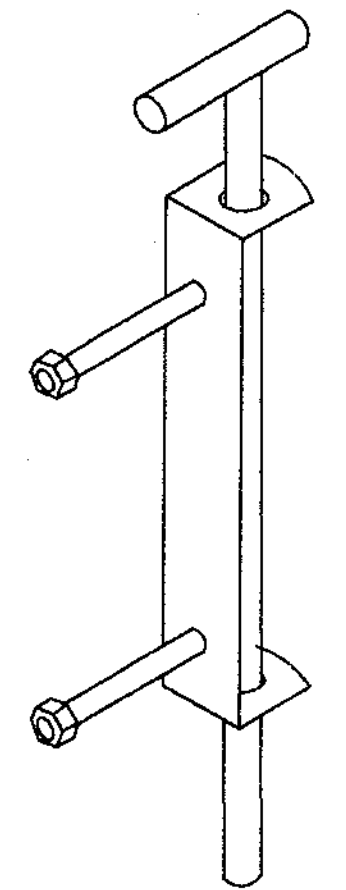
NTS



(A) DOUBLE GATE LATCH



(B) SQUARE POST HINGE



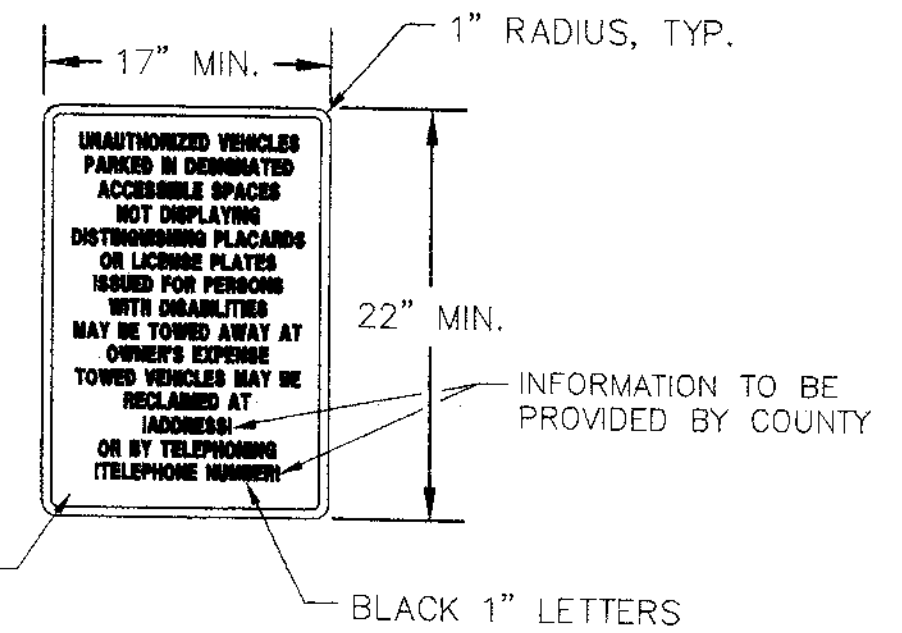
(C) DROP BAR

10
C4

GATE DETAILS

NOT TO SCALE

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BE ON SITE OR NO
REQUESTED INSPECTIONS
WILL BE MADE



4
C2

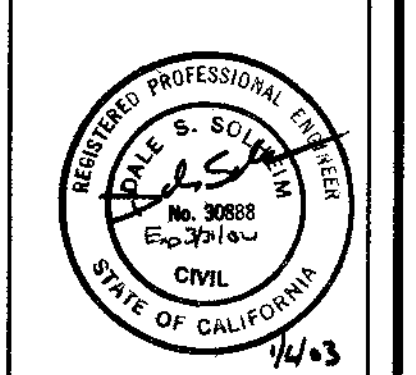
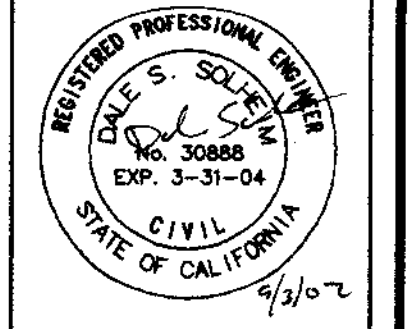
SIGN DETAIL

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Suite C
Santa Rosa Ca 95404
Tel: (707) 544-0784
Fax: (707) 544-0866

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CONSTRUCTION DETAILS
HOUSEHOLD HAZARDOUS WASTE FACILITY
 SAN JOAQUIN COUNTY

Job No: 01-841
Drawn By: WJK
Checked By: DS
Date: Aug 27, 2002

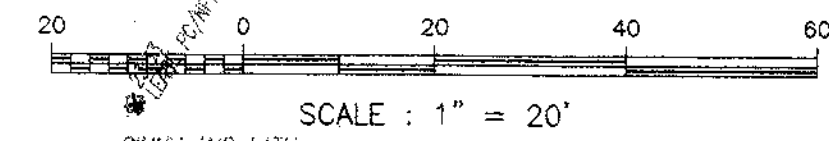
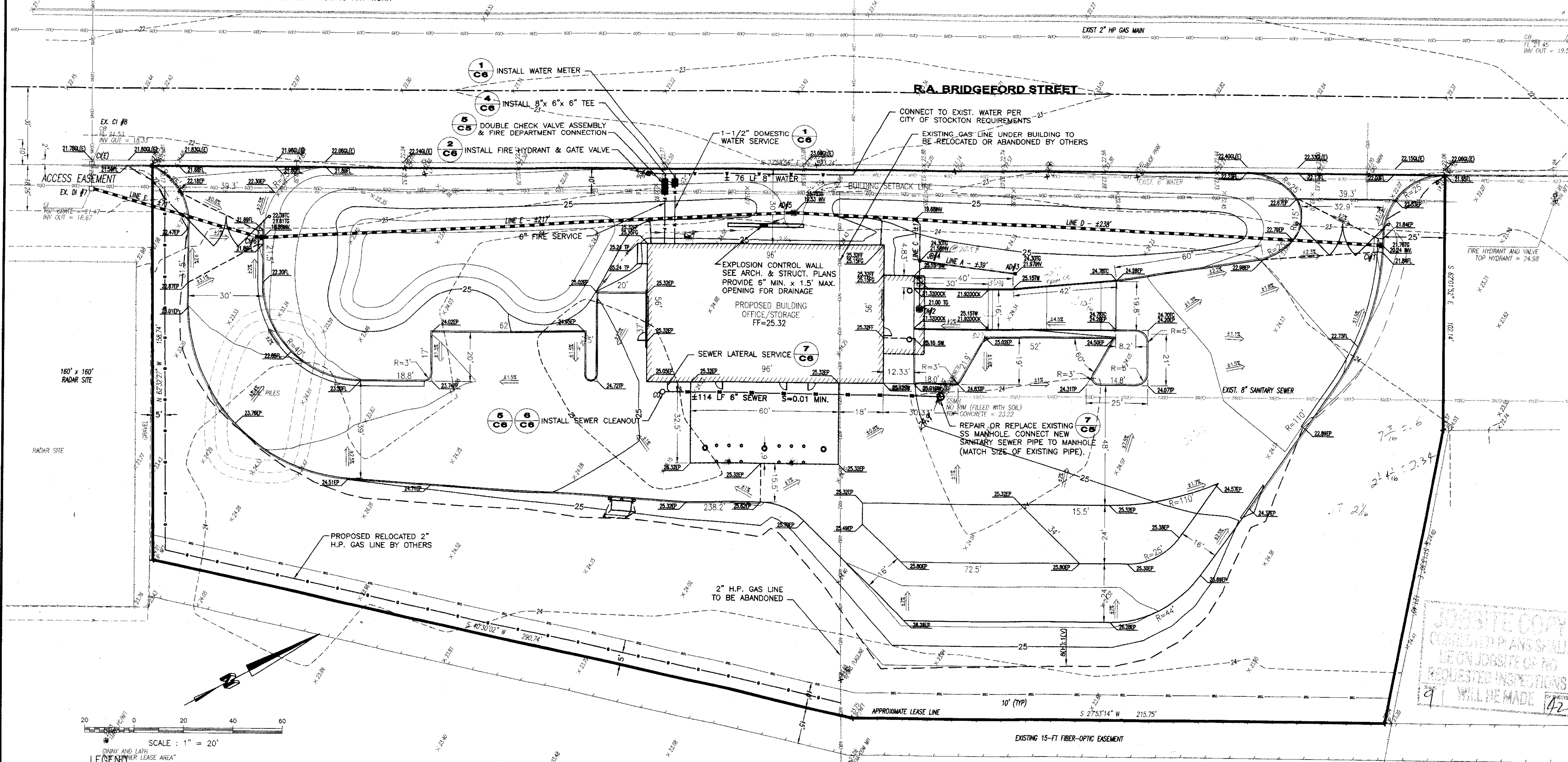
Revisions	By

Sheet Number

C4

Su 3776

UNDERGROUND NOTE
UNDERGROUND FEATURES SHOWN PER EXISTING SURFACE INDICATION
LOCATION SHOWN IS APPROXIMATE ONLY
ACTUAL LOCATION SHOULD BE FIELD VERIFIED PRIOR TO ANY WORK



LEGEND

- NEW ASPHALT CONCRETE PAVEMENT
- NEW PCC PAD OR SIDEWALK
- EXISTING CONTOUR
- PROPOSED CONTOUR
- BUILDING SETBACK LINE
- EXISTING SANITARY SEWER
- EXISTING GAS MAIN
- EXISTING WATER LINE
- EXISTING STORM DRAIN
- NEW FIRE WATER
- NEW STORM DRAIN PIPE
- NEW SANITARY SEWER PIPE
- LEASE LINE
- NEW SANITARY SEWER CLEANOUT
- NEW DROP INLET
- EXISTING DROP INLET
- EDGE OF PAVEMENT
- FINISH FLOOR
- GUTTER LIP
- TOP OF CURB
- TOP OF PAVEMENT
- EXISTING ELEVATION
- PROPOSED ELEVATION

STRUCTURE SCHEDULE

SAN JOAQUIN COUNTY							
NUMBER	TYPE	MODEL	MANUFACTURER	LINE	INLET	OUTLET	GRATE
1	CURB INLET	PER SJC D-13	---	---	D	20.24	21.78
2	SUMP INLET	PER DETAIL (1-C4)	PACO	---	B	19.50	21.00
3	AREA DRAIN	EK W / STD GRATE	SANTA ROSA CAST	---	A	21.97	24.30
4	JUNCTION BOX	EK W / STD GRATE	SANTA ROSA CAST	A	21.58	---	---
5	AREA DRAIN	SK W / STD GRATE	SANTA ROSA CAST	B	21.58	C	21.58 24.30
6	CURB INLET	PER SJC D-13	---	---	E	19.53	23.75
7	EX. DROP INLET	---	---	---	F	18.88	21.81
8	EX. CURB INLET	---	---	---	I	18.67	21.47

PIPE SCHEDULE

SAN JOAQUIN COUNTY										
LINE	SIZE (")	TYPE	STRUCTURE	INLET	GRATE	STRUCTURE	OUTLET	GRATE	LENGTH	SLOPE
A	4	HDPE	AD#3	21.97	24.30	AD#4	21.58	24.30	39.0	0.010
B	3	HDPE	D#2	19.50	21.00	AD#4	21.58	24.30	20.4	-0.102
C	4	HDPE	AD#4	21.58	24.30	LINE D	19.68	18.79	17.0	0.112
D	10	HDPE	C#1	20.24	21.78	AD#5	19.53	23.75	238.0	0.003
E	10	HDPE	AD#5	19.53	23.75	C#6	18.88	21.81	217.0	0.002
F	12	HDPE	C#6	18.88	21.81	(ex) D#7	18.67	21.47	71.0	0.003

- Pipe lengths are horizontal distance measured from center of structure to center of structure.
- Roof drainage pipes shall have a 1% minimum slope and have 1 foot minimum cover in landscape areas and 2 feet minimum cover in paved areas.
- Four inch lateral connections to rainleaders not included in pipe schedule.

SU 3777

10 AM City Hall
425 N 7th St
300 p.m.

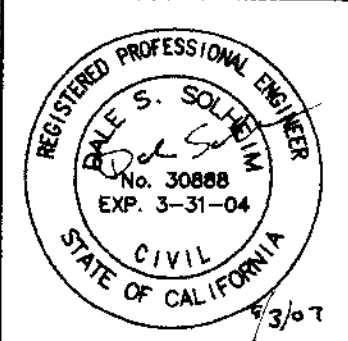
UNDERGROUND NOTE
UNDERGROUND FEATURES SHOWN PER EXISTING SURFACE INDICATION
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ENGINEERING

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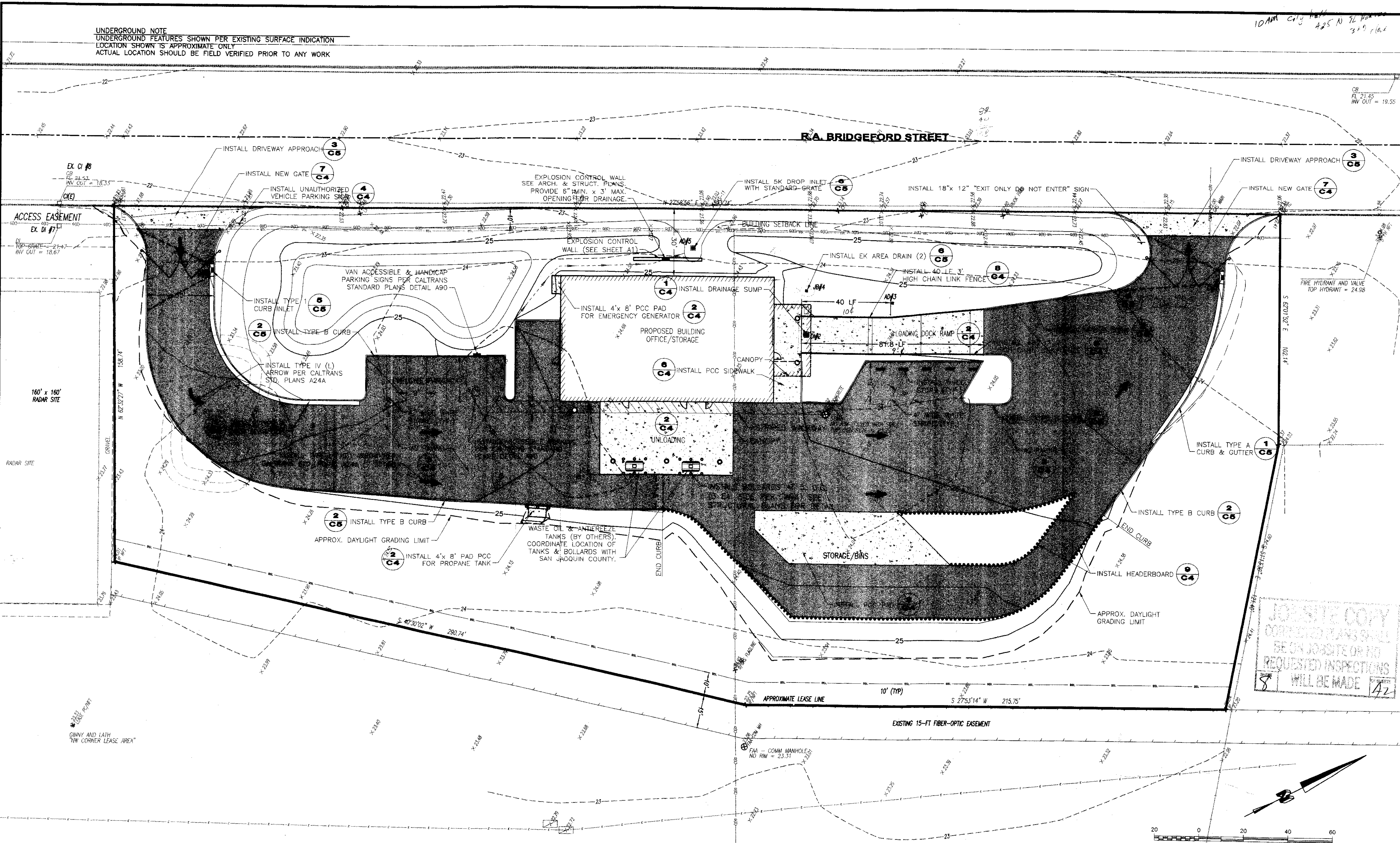


SITE PLAN
HOUSEHOLD HAZARDOUS WASTE FACILITY
 SAN JOAQUIN COUNTY

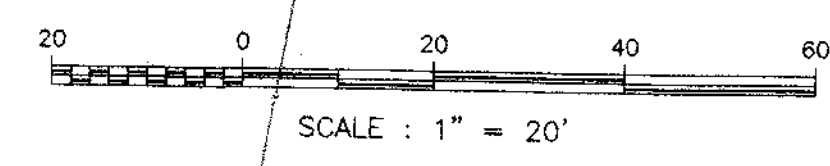
Job No: 01-841
Drawn By: WJK
Checked By: DS
Date: Sep 03, 2002

Revisions	By

Sheet Number
C2



JOBSITE COPY
CORRECTED PLANS SHALL
BE ON JOBSITE OR NO
REQUESTED INSPECTIONS
WILL BE MADE



LEGEND

	NEW ASPHALT CONCRETE PAVEMENT
	NEW PCC PAD OR SIDEWALK
	EXISTING CONTOUR
	PROPOSED CONTOUR
	BUILDING SETBACK LINE
	EXISTING SANITARY SEWER
	EXISTING GAS MAIN
	EXISTING WATER LINE
	EXISTING STORM DRAIN
	NEW FIRE WATER
	NEW STORM DRAIN PIPE
	NEW SANITARY SEWER PIPE
	LEASE LINE

SITE STATISTICS

TOTAL SITE AREA:	105,991 sf
TOTAL PAVEMENT AREA:	27,342 sf
BUILDING AREA:	5,376 sf
LANDSCAPE AREA:	22,120 sf
STORAGE AREA:	1,950 sf
LOADING DOCK & RAMP:	1,584 sf
OPEN SPACE AREA:	43,060 sf
PERCENT LANDSCAPE TO SITE:	20%
PERCENT BUILDINGS/PAVEMENT TO SITE:	31%
TOTAL CUT:	2,963 cy
TOTAL FILL:	2,137 cy
NET CUT:	826 cy

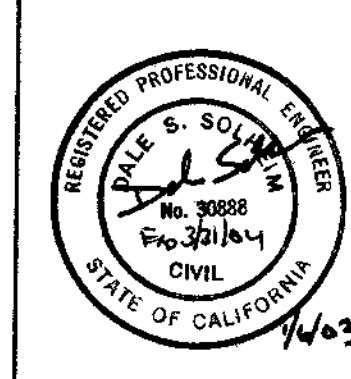
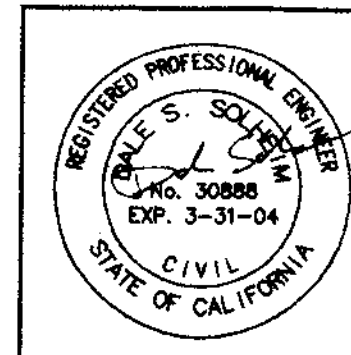
SU 3778

UNDERGROUND NOTE
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 ACTUAL LOCATION SHOULD BE FIELD VERIFIED PRIOR TO ANY WORK



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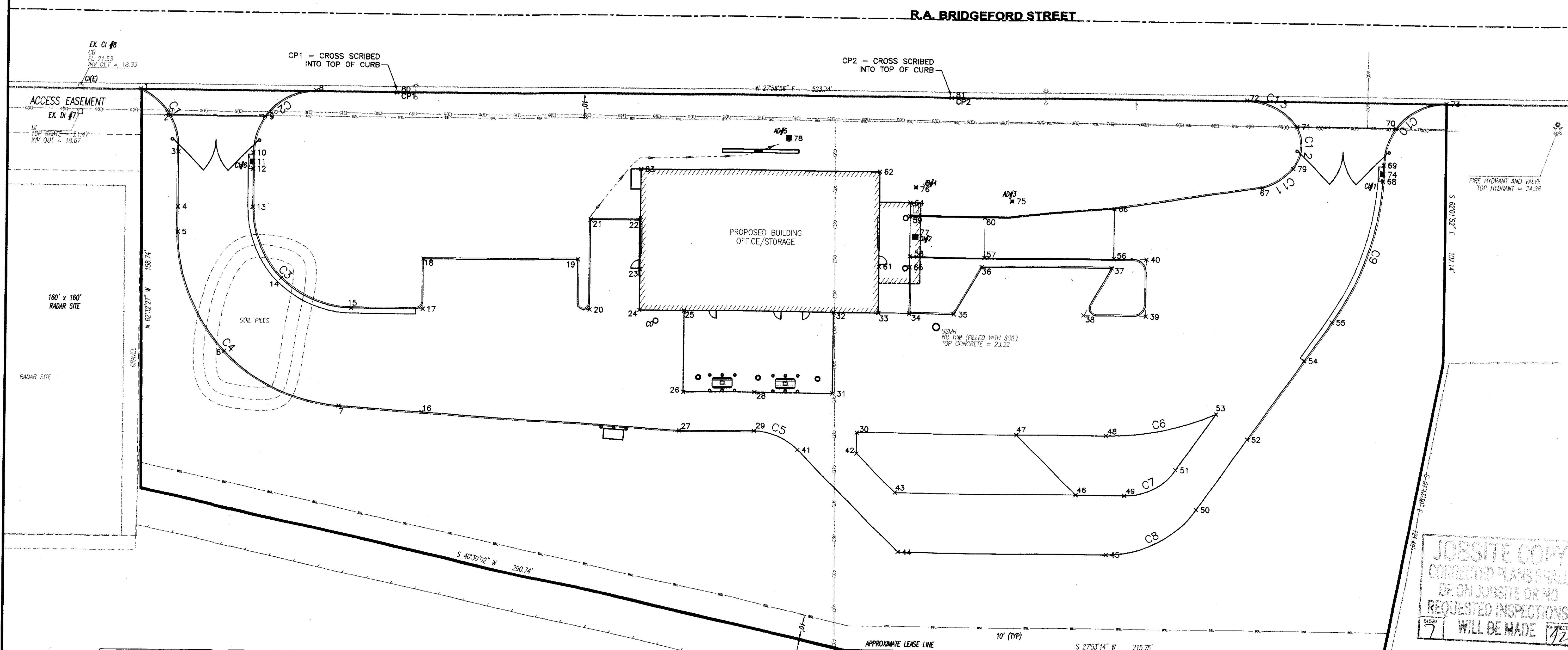


PLOT PLAN
 HOUSEHOLD HAZARDOUS WASTE FACILITY
 SAN JOAQUIN COUNTY

Job No: 01-841
 Drawn By: WJK
 Checked By: DS
 Date: Jul 10, 2002

Revisions	By

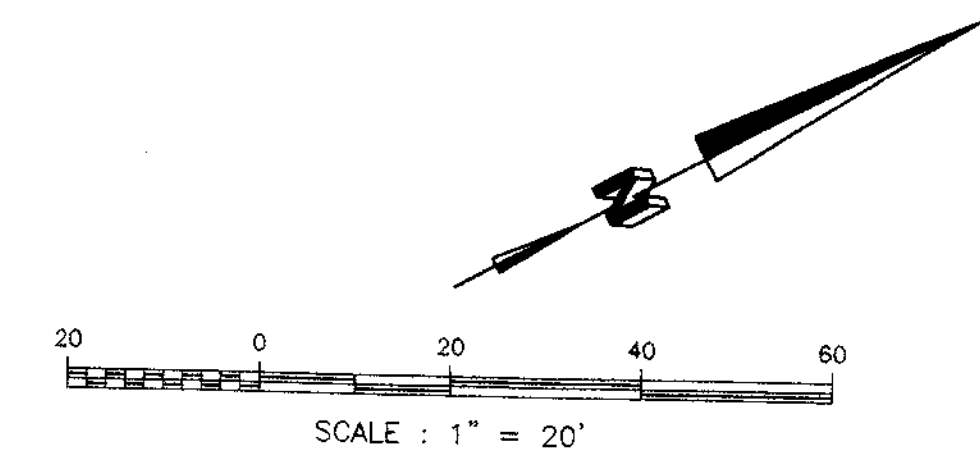
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JOBSITE COPY
 CORRECTED PLANS SHALL
 BE ON JOBSITE OR NO
 REQUESTED INSPECTIONS
 WILL BE MADE

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	4,873.53	4,794.54	21.83	FL-BC	41	5,041.35	5,044.02	25.79	EP-EC
2	4,879.15	4,809.41	22.18	EP-POC	42	5,061.81	5,056.21	25.49	EP
3	4,875.28	4,823.77	22.47	EP-EC	43	5,068.25	5,077.25	25.80	EP
4	4,865.18	4,842.79	22.87	EP	44	5,058.20	5,099.09	26.28	EP
5	4,860.50	4,851.81	23.01	EP-BC	45	5,132.00	5,138.30	26.28	EP-BC
6	4,855.38	4,822.32	23.76	EP-POC	46	5,132.28	5,111.27	25.80	EP
7	4,886.00	4,843.08	24.51	EP-EC	47	5,122.33	5,078.78	25.32	EP
8	4,935.58	4,827.50	21.89	FL-BC	48	5,154.05	5,095.61	25.32	EP-BC
9	4,912.86	4,827.22	22.30	EP-POC	49	5,149.81	5,120.48	25.80	EP-BC
10	4,901.77	4,837.85	21.91	EP-EC	50	5,172.58	5,138.87	25.58	EP-EC
11	4,900.12	4,840.94	21.81	TG	51	5,172.88	5,120.89	25.38	EP-EC
12	4,898.83	4,843.37	21.89	FL	52	5,203.77	5,122.81	24.37	EP
13	4,891.79	4,856.84	22.20	FL-BC	53	5,197.34	5,108.16	24.57	EP-EC
14	4,888.87	4,887.11	22.85	FL-POC	54	5,238.61	5,105.12	23.62	EP
15	4,908.36	4,910.73	23.50	FL-EC	55	5,255.48	5,096.55	22.18	FL-BC
16	4,914.47	4,920.88	24.71	EP	56	5,189.18	5,034.23	24.28	EP
17	4,933.81	4,924.24	23.74	TP	57	5,143.43	5,009.95	21.82	DOCK
18	4,943.20	4,908.58	24.02	EP	58	5,118.94	4,995.87	21.32	DOCK
19	4,997.94	4,935.87	24.95	EP	59	5,124.45	4,981.74	21.32	DOCK
20	4,992.87	4,955.88	24.72	TP	60	5,150.94	4,995.82	21.82	DOCK
21	5,009.87	4,923.88	25.02	EP	61	5,104.10	4,993.76	25.32	SW
22	5,027.53	4,933.27	25.32	EP	62	5,121.89	4,960.85	24.15	BLDG COR FG
23	5,018.40	4,950.47	25.32	EP	63	5,038.91	4,915.81	24.15	BLDG COR FG
24	5,010.64	4,995.08	25.05	EP	64	5,128.95	4,977.03	25.14	SW
25	5,026.53	4,973.51	25.32	EP	65	5,114.98	4,999.55	25.14	SW
26	5,011.28	5,002.21	25.32	EP	66	5,198.45	5,018.80	24.28	EP
27	5,002.88	5,015.19	25.32	EP	67	5,285.18	5,038.58	22.98	EP-BC
28	5,036.45	5,015.58	25.32	EP	68	5,289.33	5,056.17	21.84	FL-EC
29	5,029.17	5,029.26	25.62	EP-BC	69	5,302.46	5,050.74	21.84	EP-BC
30	5,065.79	5,048.72	25.32	EP	70	5,313.62	5,039.98	22.53	EP
31	5,084.27	5,030.38	25.32	EP	71	5,278.64	5,021.39	22.67	EP-PCC
32	5,079.52	5,001.86	25.32	EP	72	5,265.62	5,002.88	22.23	FL-EC
33	5,095.41	5,010.10	25.12	SWEP	73	5,336.27	5,040.39	21.95	FL-EC
34	5,103.31	5,015.89	25.00	SWEP	74	5,300.74	5,053.81	21.78	TG
35	5,122.34	5,024.34	24.83	TP	75	5,183.55	4,995.18	24.30	TG
36	5,140.80	5,012.70	25.02	EP	76	5,131.70	4,972.53	24.30	TG
37	5,186.69	5,037.08	24.56	EP	77	5,122.57	4,989.81	23.50	TG
38	5,188.09	5,048.72	24.31	TP	78	5,095.25	4,932.25	23.75	TG
39	5,190.20	5,080.46	24.07	TP	79	5,269.53	5,035.49	22.61	EP-PCC
40	5,200.83	5,040.45	24.20	TP	80	4,984.06	4,843.05	22.53	CP1
					81	5,180.84	4,947.57	23.14	CP2

CURVE	LENGTH	RADIUS	DELTA ANGLE
C1	31.27	25.00	71°40'22"
C2	39.28	25.00	90°00'48"
C3	62.84	40.00	90°00'18"
C4	104.32	70.00	85°23'27"
C5	19.64	25.00	45°00'02"
C6	45.38	110.00	23°38'16"
C7	23.96	25.00	54°54'36"
C8	42.17	44.00	54°54'36"
C9	60.36	110.00	31°26'13"
C10	39.28	25.00	90°00'48"
C11	14.60	24.88	33°37'41"
C12	17.83	14.93	68°26'45"
C13	23.51	25.00	53°52'19"



LEGEND

	NEW ASPHALT CONCRETE PAVEMENT
	NEW PCC PAD OR SIDEWALK
	EXISTING CONTOUR
	PROPOSED CONTOUR
	BUILDING SETBACK LINE
	EXISTING SANITARY SEWER
	EXISTING GAS MAIN
	EXISTING WATER LINE
	EXISTING STORM DRAIN
	NEW FIRE WATER
	NEW STORM DRAIN PIPE
	NEW SANITARY SEWER PIPE
	LEASE LINE

SU 3779

C:\01-841\SITE PLAN\2002.dwg PLOT PLAN.C1 07/10/02 10:33:37 AM

PERFORMANCE CERTIFICATE OF COMPLIANCE Part 1 of 3 PERF-1

PROJECT NAME: Household Hazardous Waste Facility (Office - Rm 104) DATE: 7/11/2002
PRINCIPAL DESIGNER: R.A. Bridgford St. Stockton
GENERAL INFORMATION: BUILDING CONDITION: FLOOR AREA: 180 sq ft

STATEMENT OF COMPLIANCE: The Certificate of Compliance is the building means and performance specifications needed to comply with Title 24, Part 1 and 6, of the State Building Code. This certificate applies only to a building using the performance compliance approach.

ENVELOPE COMPLIANCE: Include location on plans of Note Block for Mandatory Measures.
MECHANICAL COMPLIANCE: Include location on plans of Note Block for Mandatory Measures.

PERFORMANCE CERTIFICATE OF COMPLIANCE Part 2 of 3 PERF-2

ANNUAL SOURCE ENERGY USE SUMMARY (kBtu/year)
Table with columns: Energy Component, Annual Energy Use, and Conversion Factor.

GENERAL INFORMATION: Building Orientation, Number of Stories, Mechanical Floor Area, etc.
BUILDING COMPLIES: Yes/No

PERFORMANCE CERTIFICATE OF COMPLIANCE Part 3 of 3 PERF-1

ZONE INFORMATION: Table with columns: Zone Name, Occupancy Type, Floor Area, etc.

ADDITIONAL CONDITIONS CHECKED: The field conditions survey and general verification of the building means and performance specifications were performed by the Principal Designer.

ENVELOPE COMPLIANCE SUMMARY Performance ENV-1

Table with columns: Surface, Framing, Type, Area, U-Factor, etc.

PENETRATION SURFACES: Table with columns: Penetration, Area, U-Factor, etc.

EXTERNAL SHADING: Table with columns: Exterior Shade Type, Area, etc.

LIGHTING COMPLIANCE SUMMARY Part 1 of 2 LTG-1

Table with columns: Code, LAMP, DESCRIPTION, TYPE, BALLAST, etc.

Lighting Schedule on Plans: Table with columns: CONTROL LOCATION, CONTROL TYPE, etc.

MANDATORY AUTOMATIC CONTROLS: Table with columns: CONTROL LOCATION, CONTROL TYPE, etc.

LIGHTING COMPLIANCE SUMMARY Part 2 of 2 LTG-1

TABLE 1A: TABLE LIGHTING NOT SHOWN ON PLANS FOR OFFICE AREAS >200 SQUARE FEET
TABLE 1B: TABLE LIGHTING NOT SHOWN ON PLANS FOR OFFICE AREAS >200 SQUARE FEET

TABLE 1C: TABLE LIGHTING NOT SHOWN ON PLANS FOR OFFICE AREAS >200 SQUARE FEET
TABLE 1D: TABLE LIGHTING NOT SHOWN ON PLANS FOR OFFICE AREAS >200 SQUARE FEET

CERTIFICATE OF COMPLIANCE Performance MECH-1

MECHANICAL MANDATORY MEASURES Part 1 of 2 MECH-MM
Table with columns: DESCRIPTION, Designer, Enforcement.

ENVELOPE MANDATORY MEASURES ENV-MM
Table with columns: DESCRIPTION, Designer, Enforcement.

ENVELOPE MANDATORY MEASURES ENV-MM

MECHANICAL MANDATORY MEASURES Part 2 of 2 MECH-MM
Table with columns: DESCRIPTION, Designer, Enforcement.

LIGHTING MANDATORY MEASURES LTG-MM

Table with columns: DESCRIPTION, Designer, Enforcement.

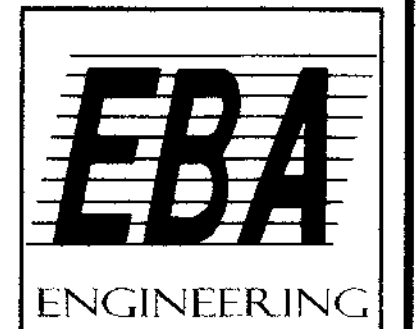
MECHANICAL MANDATORY MEASURES Part 1 of 2 MECH-MM

MECHANICAL MANDATORY MEASURES Part 2 of 2 MECH-MM
Table with columns: DESCRIPTION, Designer, Enforcement.

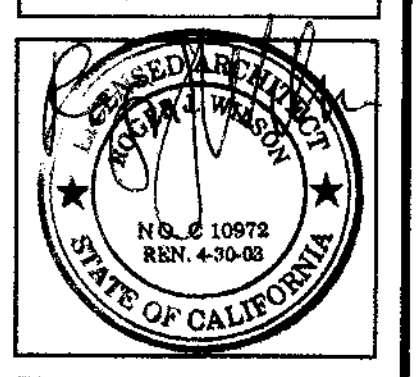
MECHANICAL MANDATORY MEASURES Part 2 of 2 MECH-MM

MECHANICAL MANDATORY MEASURES Part 2 of 2 MECH-MM
Table with columns: DESCRIPTION, Designer, Enforcement.

JOBSITE COPY CORRECTED PLANS SHALL BE ON JOBSITE OR NO REQUESTED INSPECTIONS WILL BE MADE



825 Sonoma Avenue Suite C Santa Rosa, CA 95404 Tel: (707) 544-0784 Fax: (707) 544-0866



ROGER J. WILSON ARCHITECT

1250 Addison Street, # 104 Berkeley, CA 94702 Tel: 510/649-8003 Fax: 510/649-8151

TITLE 24 ENERGY COMPLIANCE FORMS HOUSEHOLD HAZARDOUS WASTE FACILITY SAN JOAQUIN COUNTY

Job No: 00740 Drawn By: LI Checked By: RW Date: 07-03-02

Revisions table with columns: Revisions, By

Sheet Number EC

SU 3780

DRAWING INDEX

GENERAL DRAWINGS

- G1 TITLE SHEET
- G2 NOTES, LEGEND & SHEET INDEX
- EC TITLE 24 ENERGY COMPLIANCE FORMS

CIVIL DRAWINGS

- C1 PLOT PLAN
- C2 SITE PLAN
- C3 GRADING, DRAINAGE PLAN & UTILITY PLAN
- C4 CONSTRUCTION DETAILS
- C5 COUNTY CONSTRUCTION DETAILS
- C6 COUNTY CONSTRUCTION DETAILS
- C7 EROSION CONTROL PLAN

LANDSCAPE DRAWINGS

- L1 PLANTING PLAN
- L2 IRRIGATION PLAN
- L3 PLANTING & IRRIGATION DETAILS

ARCHITECTURAL DRAWINGS

- A1 FLOOR PLAN, MEZZANINE PLAN
- A2 ROOM FINISH, DOOR & HARDWARE SHCHEDULE
- A3 ROOF PLAN, REFLECTED CIELING PLAN
- A4 ENLARGED TOILET ROOM PLAN, INTERIOR ELEVATIONS
- A5 EXTERIOR ELEVATIONS
- A6 BUILDING SECTIONS
- A7 WALL SECTIONS
- A8 SECTIONS & DETAILS
- A9 STAIR SECTIONS & DETAILS

STRUCTURAL DRAWINGS

- S1 FOUNDATION PLAN
- S2 SECOND FLOOR FRAMING & CEILING PLAN
- S3 ROOF FRAMING PLAN
- S4 CONCRETE BLOCK REINFORCING
- S5 FOUNDATION DETAILS
- S6 MISCELLANEOUS DETAILS
- S7 ROOF FRAMING DETAILS
- S8 STEEL FRAME DETAILS

MECHANICAL/PLUMBING DRAWINGS

- M1.1 MECHANICAL LEGEND, NOTES, ABBREVIATIONS & SYMBOLS
- M1.2 MECHANICAL LEGEND, NOTES, ABBREVIATIONS & SYMBOLS
- M2.1 MECHANICAL FLOOR PLANS
- M3.1 MECHANICAL DETAILS
- P1.1 PLUMBING LEGEND, NOTES, FIXTURE CONNECTION SCHEDULE & EQUIPMENT SCHEDULE
- P2.1 PLUMBING FLOOR PLANS
- P3.1 PLUMBING DETAILS

ELECTRICAL DRAWINGS

- E1 ELECTRICAL SITE PLAN
- E2 ELECTRICAL FLOOR PLAN, PANEL SCHEDULE & SINGLE LINE DIAGRAM

GENERAL NOTES

1. No guarantee is intended that underground obstructions, not shown on the plans, may not be encountered. Those shown are based upon the best information available and the contractor is cautioned that the owner and the Engineers assume no responsibility for any obstruction either shown or not shown on these plans.
2. Underground Service Alert (U.S.A.) - call toll free 800-227-2600 at least two working days prior to excavation.
3. All construction and materials shall be specified and as required by the 1997 Edition of the U.B.C., State and Local Codes and Authorities. The work shall be done in accordance with applicable laws, Local Ordinances, Permits and the Contract Documents.
4. Contractor shall be responsible for the accurate placement of the building on the site.
5. Construction contractor agrees that in accordance with generally accepted construction practices, construction contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property. That this requirement shall be made to apply continuously and not be limited to normal working hours, and construction contractor further agrees to hold harmless, indemnify and defend the owner, the engineer and his consultants, and each of their officers, employees, and agents.
6. The contractor shall secure a trench permit from the California Division of Industrial Safety prior to the excavation of any trench five feet in depth or greater.
7. Contractor shall uncover existing buried utilities with utility owner to verify locations and elevations of utilities. Buried utilities include but are not limited to water mains, sewer lines, storm drains, gas mains and laterals, electrical distribution lines and telephone lines. It shall be the contractor's responsibility to notify the owner of utilities conflicting with the proposed construction.
8. Benchmarks: Vertical Datum 24.90 per Plaque in concrete footing of the Southerly Radar support. Horizontal control based on (2) crosses scribed into the top of curb (CP1 & CP2), see plan.
9. Distance and invert grades of storm drain and sanitary sewer are to the center line of inlets, catch basins and manholes - distances are horizontal.
10. The contractor shall check and verify all dimensions and existing conditions before laying out the work and notify the engineer of any discrepancies before starting work. He shall be responsible for any errors resulting from his failure to do so.
11. Dimensions take precedence over scale, do not scale drawings. All dimensions are to face of curbs and concrete, unless otherwise noted.
12. Contractor shall provide dust control measures at all times during construction as per Section 10 of the Standard Specifications of the State of California and per City of Stockton requirements.
13. All earthwork and site grading shall be in accordance with the recommendations contained in the Geotechnical Investigation for this project as prepared by Kleinfelder dated March 22, 2002, and any further recommendations of the project soil engineer.
14. Excess soil, if any is to be removed from the site by the Contractor.
15. All pads to be constructed to tolerance of plus or minus 0.1 foot from planned pad elevation.
16. The Household Hazardous Waste Facility shall include sprinklers for fire suppression as required by the Uniform Fire Code. Contractor shall submit sprinkler system design to the San Joaquin County Fire Protection Bureau for review and approval, secure permits and pay fees.

17. The Contractor shall apply and secure a Grading Permit from the San Joaquin County Department of Planning and Building Inspection. Plan check and inspection fees will be paid by the County. See Sheet C2 for the estimated earthwork quantities.

18. Inspections:

A. In addition to inspections that may be required by the San Joaquin County Department of Planning and Building Inspection, the Contractor shall coordinate and call for the Soils Engineer to inspect and confirm the adequacy of the soil pad preparation, the foundation excavations plus the placement and compaction of fill material. Refer to the Geotechnical Investigation for specific requirements.

B. Special Inspections are required for this project. The Owner shall retain these inspectors, however, the Contractor shall coordinate these inspections. Special inspections shall be performed per UBC Sections 106 and 1701 and per the Special Inspection Agreement for this project and are required for the following:

1. Concrete: During the taking of the test specimens and placing of reinforced concrete with compressive strength of 3,000 psi.
2. Reinforcing Steel: During placing of reinforcing steel for all concrete required to have special inspection by Item 1.
3. Structural Welding: During the welding of any member or connection which is designed to resist loads and forces required by this code.
4. Structural Masonry: For fully grouted open-end hollow-unit masonry during preparation and taking of any required prisms or test specimens, at the start of laying units, after the placement of reinforcing steel, grout space prior to each grouting operations, and during all grouting operations.
5. Epoxy Secured Dowels and Anchors (if needed): The inspector shall include a check of the hole size and cleanliness and epoxy material being used.

ABBREVIATIONS

AGG	AGGREGATE	FG	FINISH GRADE	POC	POINT OF CONNECTION
BC	BEGINNING OF CURB	FIN	FINISH LAYER	PVC	POLYVINYL CHLORIDE
CMP	CORRUGATED METAL PIPE	FL	FLOW LINE	R	RADIUS
COMP	COMPACTION	FND	FOUNDATION	RCP	REINFORCED CONCRETE PIPE
DIA	DIAMETER	INV	INVERT	SCH	SCHEDULE
DF	DOUGLAS FIR	L	LENGTH	SD	STORM DRAIN
EA	EACH	MAX	MAXIMUM	SS	SANITARY SEWER
EC	END OF CURVE	MIN	MINIMUM	TC	TOP OF CURB
ELEV	ELEVATION	NO	NUMBER	TYP	TYPICAL
EX	EXISTING	NTS	NOT TO SCALE	VC	VERTICAL CURVE
FF	FINISH FLOOR				

LEGEND

- CATCH BASIN
- DRAINAGE INLET
- D.S. DOWNSPOUT (ROOF DRAINAGE)
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- GAS METER
- ▲ GAS METER
- C.C.O. SEWER CLEANOUT
- M.H. MANHOLE
- POWER POLE
- JOINT POLE
- S.P. SERVICE POLE
- G.P. GUY POLE
- T.P. TELEPHONE POLE
- MARKER OR DELINEATOR
- HOSE BIB
- GATE VALVE
- (T) TEMPERED GLAZING
- 1 ROOM NUMBER
- 2 FINISH GROUP
- A DOOR TYPE
- 1 HARDWARE GROUP
- 1 EXTERIOR FINISH GROUP
- 2 INTERIOR ELEVATION KEY
- 1 SHEET
- 4 ELEVATION NUMBER
- 1 DETAIL NUMBER
- 1 SHEET NUMBER
- 1 SECTION NUMBER
- 1 SHEET NUMBER

CONSULTANT LIST:

- CIVIL ENGINEER**
EBA Engineering
825 Sonoma Avenue
Suite C
Santa Rosa, CA 95404
Tel: 707 / 544-0784
Fax: 707 / 544-0866
- ELECTRICAL ENGINEER**
Bruce Wishard
437 Carrillo Street
Santa Rosa, California 95401
Tel: 707 / 526-0606
Fax: 707 / 526-0607
- ARCHITECT**
Roger Wilson
1250 Addison Street, # 104
Suite 104
Berkeley, CA 94702
Tel: 510 / 649-8003
Fax: 510 / 649-8151
- MECHANICAL ENGINEER**
Horn Engineering
521 Mendocino Avenue
Santa Rosa, California 95401
Tel: 707 / 546-1332
Fax: 707 / 546-1333
- STRUCTURAL ENGINEER**
Kenneth R. Hughes
3820 Mt. Diablo Blvd., #203
Lafayette, California 94702
Tel: 925 / 284-2808
Fax: 925 / 284-7492
- GEOTECHNICAL ENGINEER**
Kleinfelder, Inc.
2825 East Myrtle Street
Stockton, California 95205
Tel: 209 / 948-1345
Fax: (209 / 948-0621)

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CORRECTED PLANS SHALL
BE ON JOBSITE OR NO
REQUESTED INSPECTIONS
WILL BE MADE

PROJECT DATA

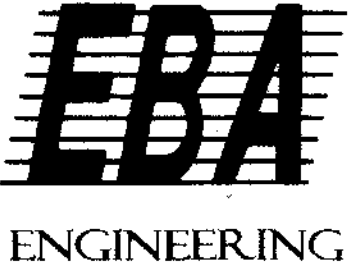
HOUSEHOLD HAZARDOUS WASTE FACILITY

OCCUPANCY					
MIXING ROOM	H2				
CANOPIES & STORAGE	H3				
REUSE ROOM	M				
STORAGE	S1				
OFFICE	B				
OCCUPANCY SEPARATIONS					
H3/M	2 HOURS				
H3/S1	2 HOURS				
H3/B	2 HOURS				
MIXING ROOM (H2)					
PER UBC SEC. 307.1.3.2	2 HOURS				
TYPE OF CONSTRUCTION	III-N				
FIRE SPRINKLERS	YES				
BUILDING AREA					
BUILDING	5,376 SF				
MEZZANINES	1,148 SF				
CANOPIES	2,334 SF				
TOTAL	8,858 SF				
AREAS BY OCCUPANCY					
H-2 MIXING ROOM	193 SF				
H-3 CANOPIES & STORAGE	5,459 SF				
M REUSE ROOM	266 SF				
S-1 STORAGE	2,268 SF				
B OFFICE	672 SF				
ALLOWABLE AREA	H-2	H-3	M	S-1	B
BASIC	3,700 SF	7,500 SF	12,000 SF	12,000 SF	12,000 SF
SEPARATION (3 SIDES)	N/A	N/A	N/A	N/A	N/A
SEPARATION (2 SIDES)	N/A	N/A	N/A	+6,000	+6,000
FIRE SPRINKLERS	N/A	N/A	X3	X3	X3
TOTALS	3,700 SF	7,500 SF	36,000 SF	54,000 SF	54,000 SF
ALLOWABLE AREA OF MIXED OCCUPANCIES PER 1998 CBC SECTION 504.3:					
(H-2) 193 + (H-3) 5,459 + (M) 266 + (S-1, B) 2,940					
3,700	7,500	36,000	54,000	54,000	

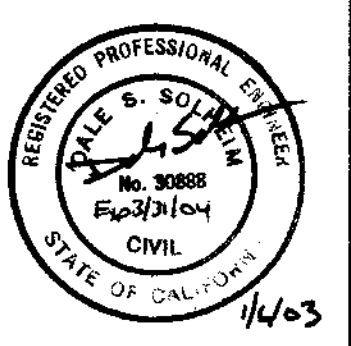
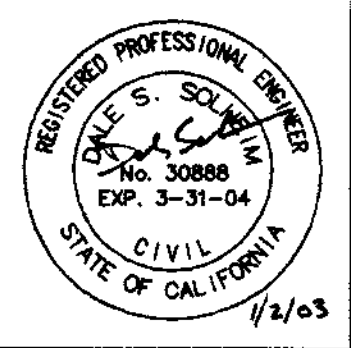
$(H-2) 193 + (H-3) 5,459 + (M) 266 + (S-1, B) 2,940 = .84 < 1.0$

Note: The Storage Area is not constructed for explosion control per UBC Section 307.10. The following materials, identified as H2 in the Building Code, are not permitted in the Storage Area due to explosion control requirements in the 1994 UFC:

1. Class 1 Organic Peroxides.
2. Class 3 Nondetonatable Unstable (Reactive) Materials.
3. Pyrophoric Gases
4. Flammable or Oxidizing Gases.
5. Class 3 Water-Reacting Materials.



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Suite C
Santa Rosa, CA 95404
Tel: (707) 544-0784
Fax: (707) 544-0866
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NOTES, LEGEND, + SHEET INDEX
HOUSEHOLD HAZARDOUS WASTE FACILITY
 SAN JOAQUIN COUNTY

Job No: 01-B41
Drawn By: WJK
Checked By: DS
Date: SEPT. 03, 2002

Revisions	By
▲ BUILDING PERMIT PLAN CHECK - 12/09/2002 WJK	
▲	
▲	

Sheet Number
G2
2 of 3

SU 3781

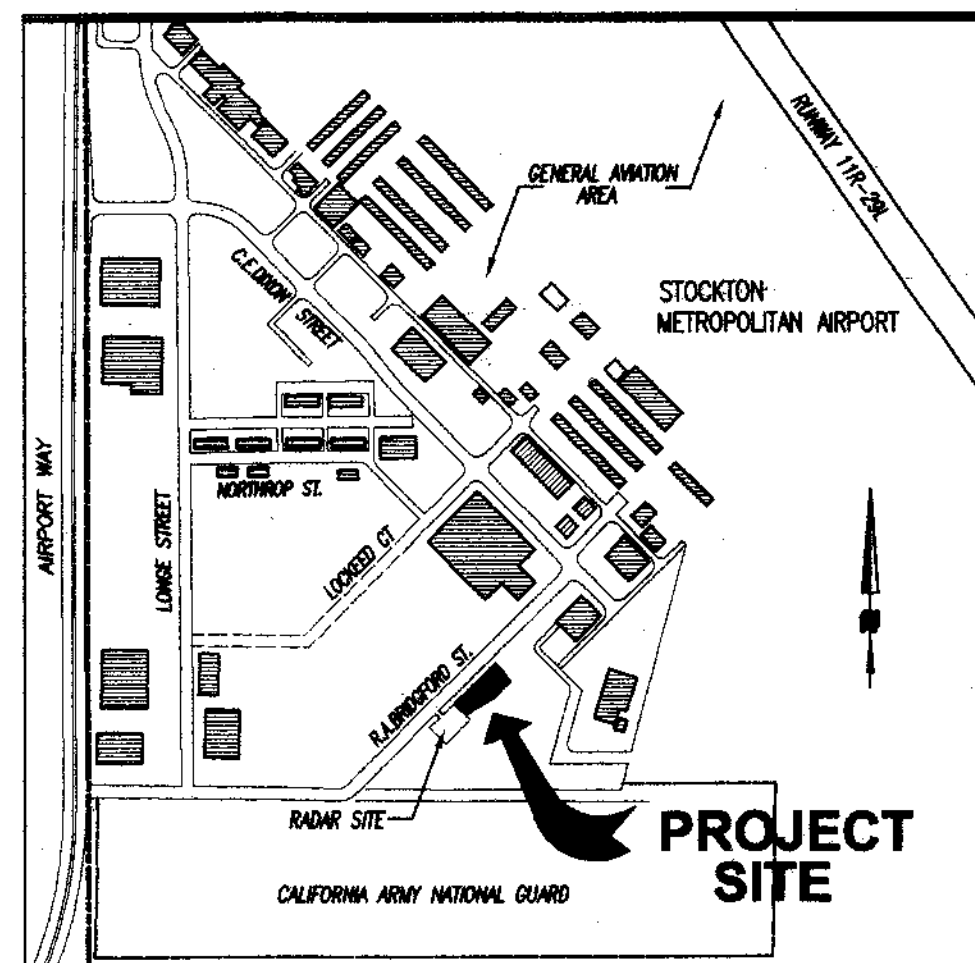
PROJECT PLANS FOR CONSTRUCTION OF SAN JOAQUIN COUNTY HOUSEHOLD HAZARDOUS WASTE FACILITY

SPECIAL INSPECTION

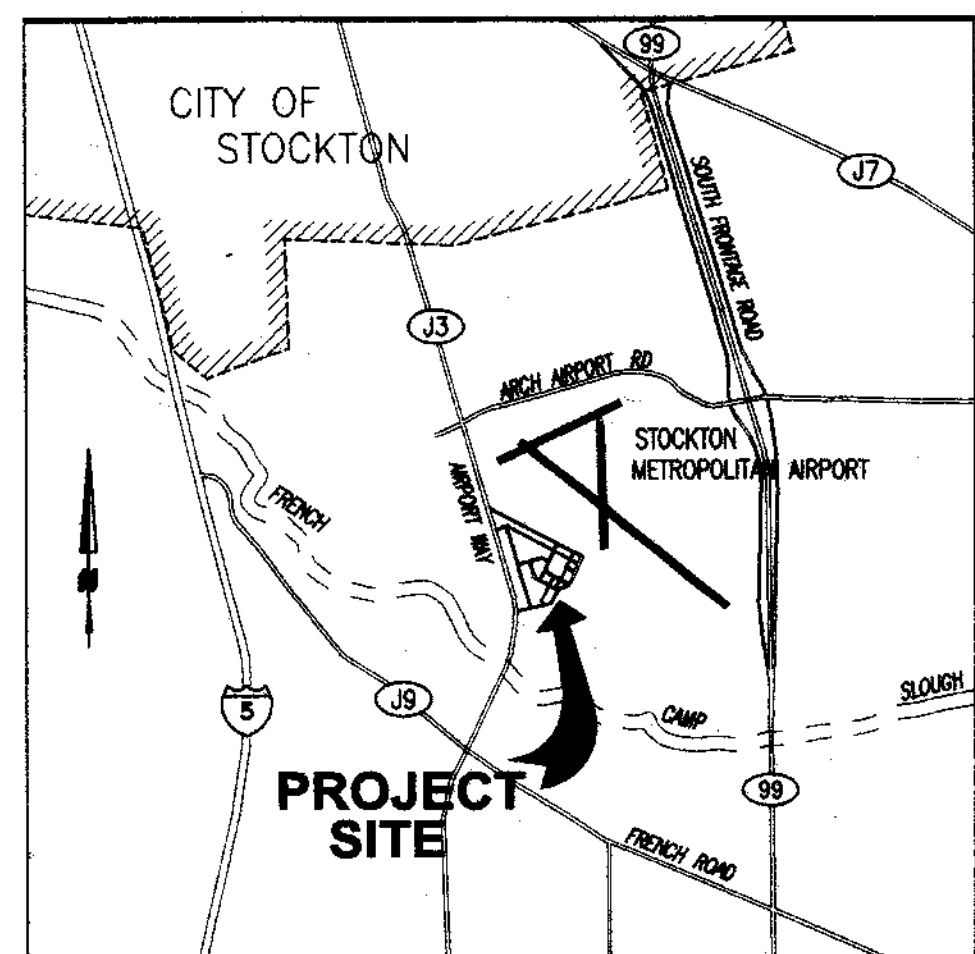
CONC FC = 3,000 PSI REBAR, WELDING, MASONRY,
EPOXY SET ANCHORS, DOWELS, FOOTING EX.,
STRUCTURAL OBSERVATION, GRADING.

APPROVED

Approval of plans shall not be construed to be a permit or an approval of any violation of any section of the Uniform Fire Code, National Fire Protection Association Standards or San Joaquin County Codes or Ordinances.
Signed: *Steve Dalton*
Date: 1-14-03
SAN JOAQUIN COUNTY BUREAU OF FIRE PREVENTION

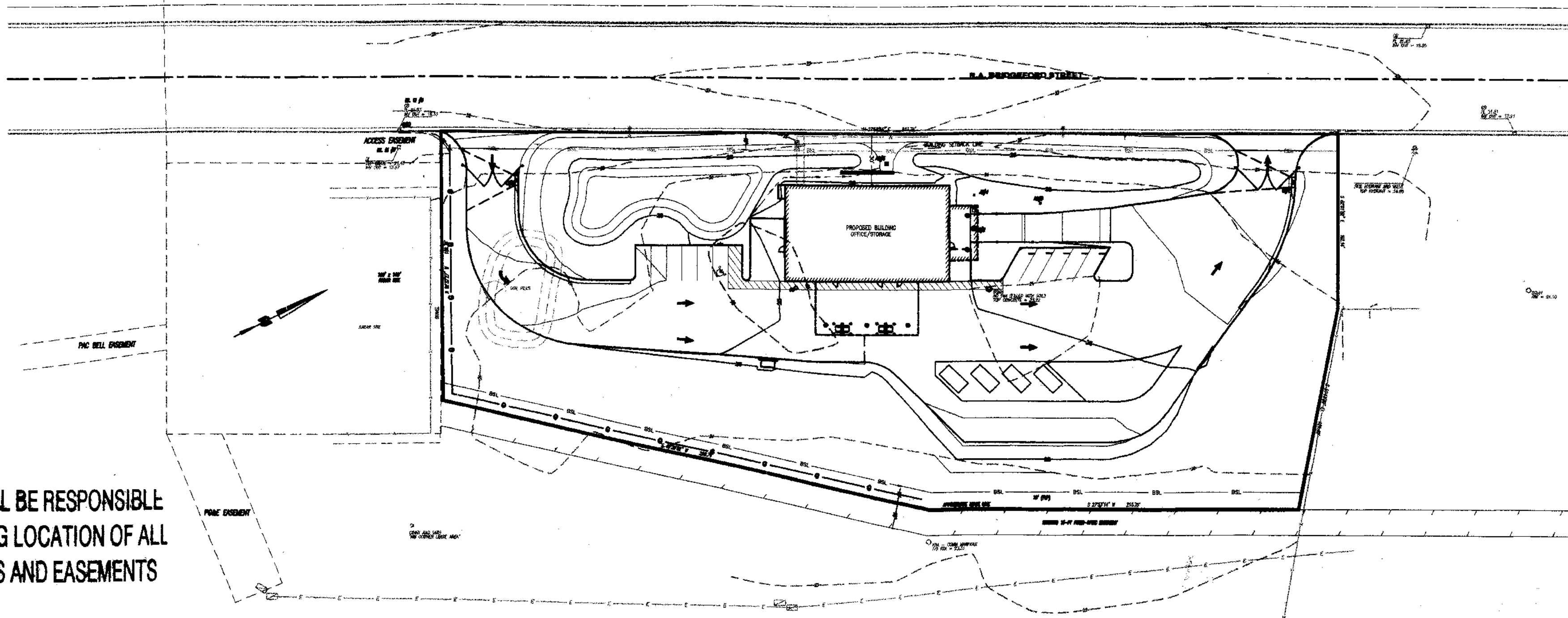


LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

APPLICANT SHALL BE RESPONSIBLE
FOR DETERMINING LOCATION OF ALL
PROPERTY LINES AND EASEMENTS



SITE MAP
1"=50'

PLANNING DIVISION

Application Number: *PA-02-26 (FP)*
Project Description: *HOUSEHOLD HAZARDOUS WASTE FACILITY*

Site Address: *7850 S BRIDGE RD*
Address Parcel: *157-260-7C*

Applicant certifies that the property is as shown on this plan and that all existing and proposed structures and improvements are shown. The applicant agrees to complete proposals as shown and to comply with all the conditions of approval.

Signed: _____ Date: _____
Owner or Authorized Agent

TENTATIVE APPROVAL BY: *1-15-03* DATE: _____
 FINAL APPROVAL BY: *[Signature]* ON: *1/17/03*

SAN JOAQUIN COUNTY
ENVIRONMENTAL HEALTH DEPARTMENT
304 E WEBER AVE THIRD FLOOR
STOCKTON CA 95202
(209) 468-3420

PROPOSAL APPROVED SUBJECT TO:
 OBTAIN SANITATION PERMIT
 OBTAIN WELL/PUMP PERMIT
 CONDITIONS NOTED BELOW

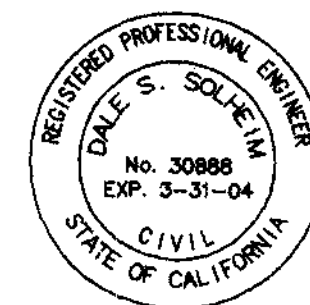
REMARKS: *1. See site plan for location of structures and improvements.
2. See site plan for location of structures and improvements.
3. See site plan for location of structures and improvements.*

Date: *1/17/03* By: *[Signature]*
Approval extends only to that which is shown and described hereon and does not authorize or approve any omission or deviation from requirements of state laws or local ordinances.

EBA Engineering

Submitted: *September 3,* 2002

DALE SOLHEIM R.C.E. 30888



COUNTY OF SAN JOAQUIN

Submitted: *17 Oct* 2002

THOMAS RYAN FLINN R.C.E. C23341
Director of Public Works



JOBSITE COPY
CORRECTED PLANS SHALL
BE ON JOBSITE OR NO
REQUESTED INSPECTIONS
WILL BE MADE

APPROVED

Approval of plans shall not be construed to be a permit for or an approval of any violation of any section of the Uniform Fire Code, National Fire Protection Association Standards or San Joaquin County Codes or Ordinances.
Signed: *[Signature]*
Date: 1-14-03
SAN JOAQUIN COUNTY BUILDING INSPECTOR DEPT

TITLE SHEET
HOUSEHOLD HAZARDOUS WASTE FACILITY
SAN JOAQUIN COUNTY

Job No: 01-841
Drawn By: WJK
Checked By: JS
Date: SEPT. 03, 2002

Revisions	By

Sheet Number: **G1**
1 of 2



855 Broadway Avenue
Stockton, CA 95204
Tel: (209) 544-6784
Fax: (209) 544-6866
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7850 R.A. Bridge Rd

0200148/0300125

AS BUILT

Grading
Household Hazardous Waste Facility

SU 3782

PROJECT ENGINEER	DATE	CHECKED	DATE	SUBMITTED	DATE	APPROVAL RECOMMENDED	DATE
<i>[Signature]</i>	9/3/02	<i>[Signature]</i>	9/3/02	<i>[Signature]</i>	10/17/02	<i>[Signature]</i>	10/17/02
ACAD	FILE NAME	DRAWER	SHEET NO.	<i>[Signature]</i>	10/17/02		