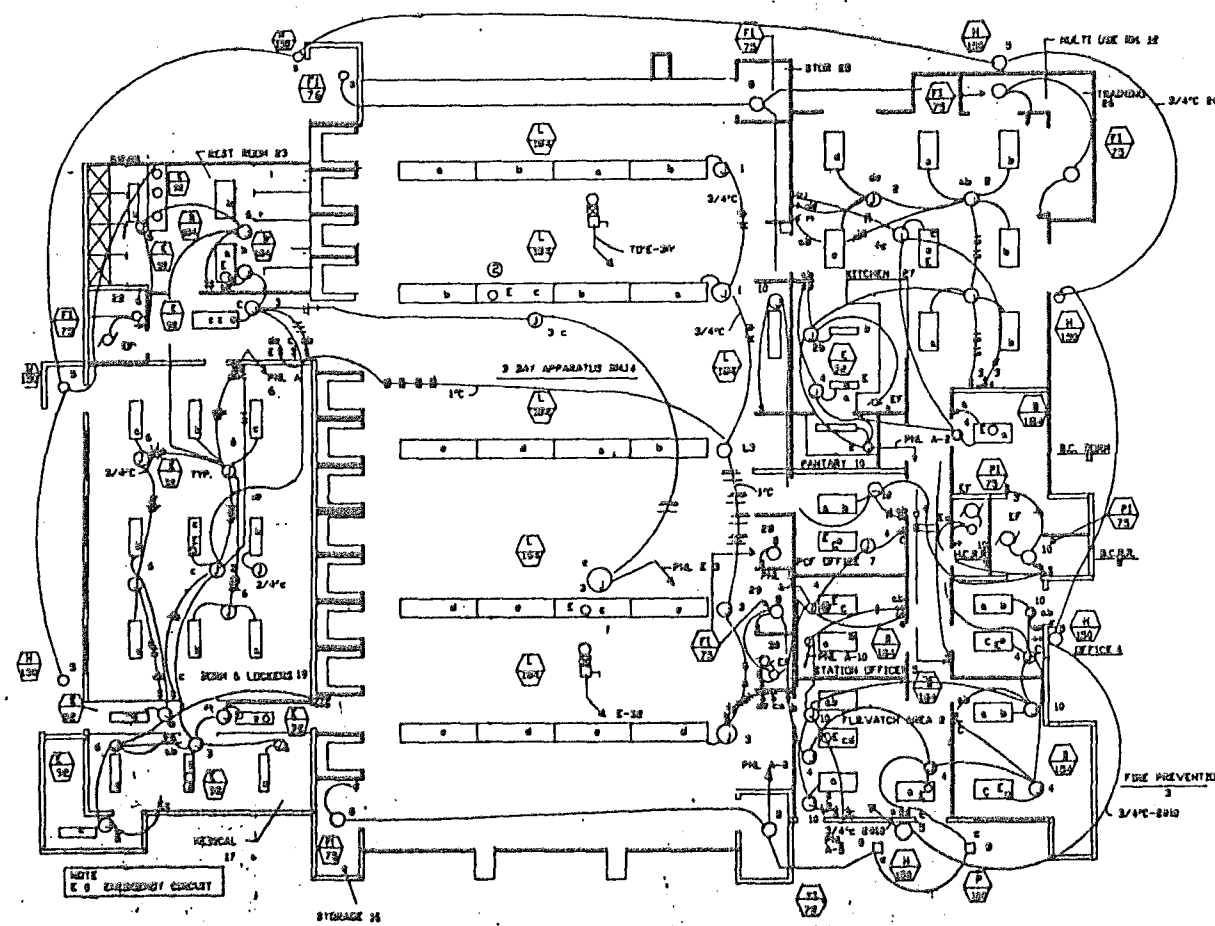


#90159-60



LIGHTING PLAN

ELECTRICAL SYMBOL LIST

- CONDUIT CONCEALED IN WALL OR CEILING
- CONDUIT UNDERBKG. OR IN FLR.
- WIRE RUN TO PANEL BOARD FLRA. CIRC. DESIGNATION
- WIRE IN 1/2" CONDUIT OR AS NOTED
- CEILING LIGHT FIX & CIRC. NO.
- 2X4 FLUOR. LIGHT FIXTURE
- 1X8 FLUOR. LIGHT FIX.
- 1X4 FLUOR. LIGHT FIX.
- FIXED EMERGENCY NITE LITE CIRC.
- EXIT LIGHT W/ FACE PLATE & DARKENED SECTION & DIRECTIONAL ARROW
- LIGHT FIX DESIGNATOR TYPE & WATTAGE
- DUPLEX RECEPTACLE
- QUAD PLEX RECEPT.
- JUNCTION BOX
- SINGLE POLE LIGHT SV. W/ SVLEG. DESIGNATED
- PANEL AS NOTED
- MAGNETIC MOTOR STARTER
- FUSEIBLE DISCONNECT SWITCH
- MOTOR OUTLET
- TELEPHONE OUTLET @ 12" AFF. W/ 1" C.D. TO STUD. ADV. CLG. (TYP.)
- THERMOSTAT
- VOLUME CONTROL
- SPEAKER
- CIVIL DEFENCE SIREN
- TELEVISION
- ALARM BELL
- C.D. CONDUIT ONLY W/ PULL STRING

LIGHTING FIXTURE SCHEDULE

FIX	DESCRIPTION	VOLT	LAMP	MANUFAC.	MOUNTING
B-104	2X4 FLUOR. 4 LAMP	180V	(4X) 40T12	PRORIENTAL B 1326 4835-PRA (OR EQ.)	SURFACE
E 92	1X4 FLUOR. 2 LAMP	180V	(2X) 40T12	PRORIENTAL B 1326 4835-PRA (OR EQ.)	SURFACE
F1-75	SUP. MT. INCAN. LAMP	120V	(1) 75W	LEVITON B 9375 OR EQUAL	SURFACE
H-150	WALL MT. HPS	120V	(1) 150W HPS	HOLDPHANE PARK 15A HP 12 HA BK 50 F VP W3 BK	TRILUMIN HT.-12"
L-184	1X8 FLUOR. 4 LAMP	180V	(4X) 40T12	PRORIENTAL B 1326 4835-PRA (OR EQ.)	TO GLU LAM OR CEILING
P-100	RECEIN. ANSCOFFIT DNLT.	120V	(1) 100W	HARCO B R 201702	IN SOFFIT
D 150	POLE LTHPS	120V	(1) 150W HPS	HOLDPHANE PARK 15A HP 12 HA BK 50 F VP W3 BK	POLE 14 W/SCB-50 14.1 JA HA

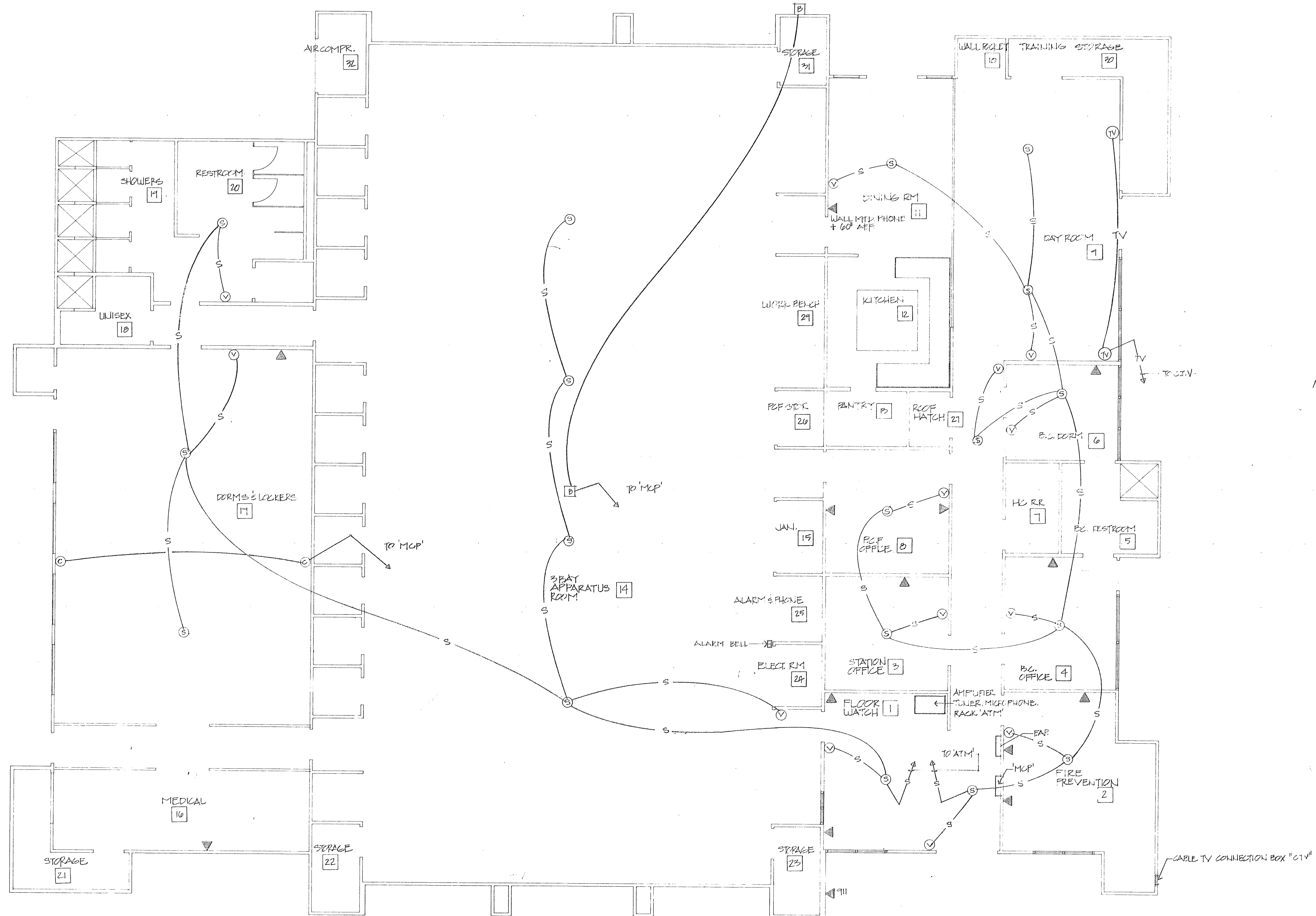
1 1/2 BALLASTS
E= EMERGENCY CIRCUIT

ELECTRICAL NOTES

- THE ELEC. CONTRACTOR SHALL COORDINATE W/ OTHERS AND ARCHITECT FOR LOCATION OF ELEC. EQUIP. BY OTHERS.
- IN EVENT OF CONFLICT OR INCONSISTENCIES BETWEEN ITEMS CALLED OUT ON THE PLANS, SPECIFICATIONS OR CONFLICTS W/ CODE REQS. APPLYING TO THE SAME MATTER THE HIGHER STANDARD SHALL APPLY.
- THE ELEC. CONTRACTOR SHALL SECURE CONTROL WIRING DIAGRAM FROM THE MECHANICAL EQUIP. CONTRACTOR AND FURNISH & INSTALL ALL CONDUIT, WIRE, OUTLETS, DISCONNECTS, MAGNETIC STARTERS, RELAYS ETC. ALSO ALL CONNECTIONS TO MECH. CONTROL DEVICES AND CONDUIT FOR LOW VOLTAGE AS WIRING AS PER DIAGRAM. NO EXTRAS WILL BE ALLOWED FOR FAILURE TO COMPLY W/ THESE REGULATIONS.
- ALL ELEC. DEVICES AND CONNECTIONS @ GAS PUMP TO BE EXPLOSION PROOF.
- METERING EQUIP. SHALL BE WEATHERPROOF COMMERCIAL TYPE COMB. CURRENT TRANSFORMER CABBINET, METER SOCKET & TEST PORCH. HURRAY NO. RT 671 13 OR EQ. & SHALL BE S.C.E.C.C. APPROVED.
- ALL PENETRATIONS IN FIRE RATED SURFACES SHALL BE PROVIDED W/ ANCH. COMB. HTL. OF FIRE RATING OR EQ. TO THE HTL. PENETRATES.

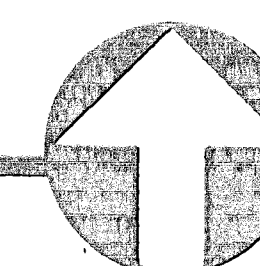


Orange County Development Services
SEP 12 1986
Orange County Development Services



COMMUNICATION LAYOUT

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



3601 Newcomb Center
Newcomb Center
Drive
Suite 300
San Francisco, CA 94114
Tel: 415-774-1000

**MAINTENANCE
ARRANGEMENTS**

THREE DASHES PRESENTS A-SHIFT CONDITIONS TO THE REG. OF THE
UNIONED AND UNION VISION. INSPECTION OF THE BUILDING DURING
OCTOBER 1997.

WILLIAM C. HOLLAND
ARCHITECT

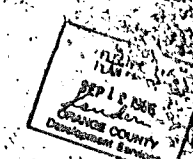
William C. Holland

SANTA CRUZ COUNTY FIRE STATION 405

Project No. 90781-1703
Designer
Drawn by
Date 11-1-89 AS-BUILT
Scale
Revisions By Date

Sheet	E-4
of	4

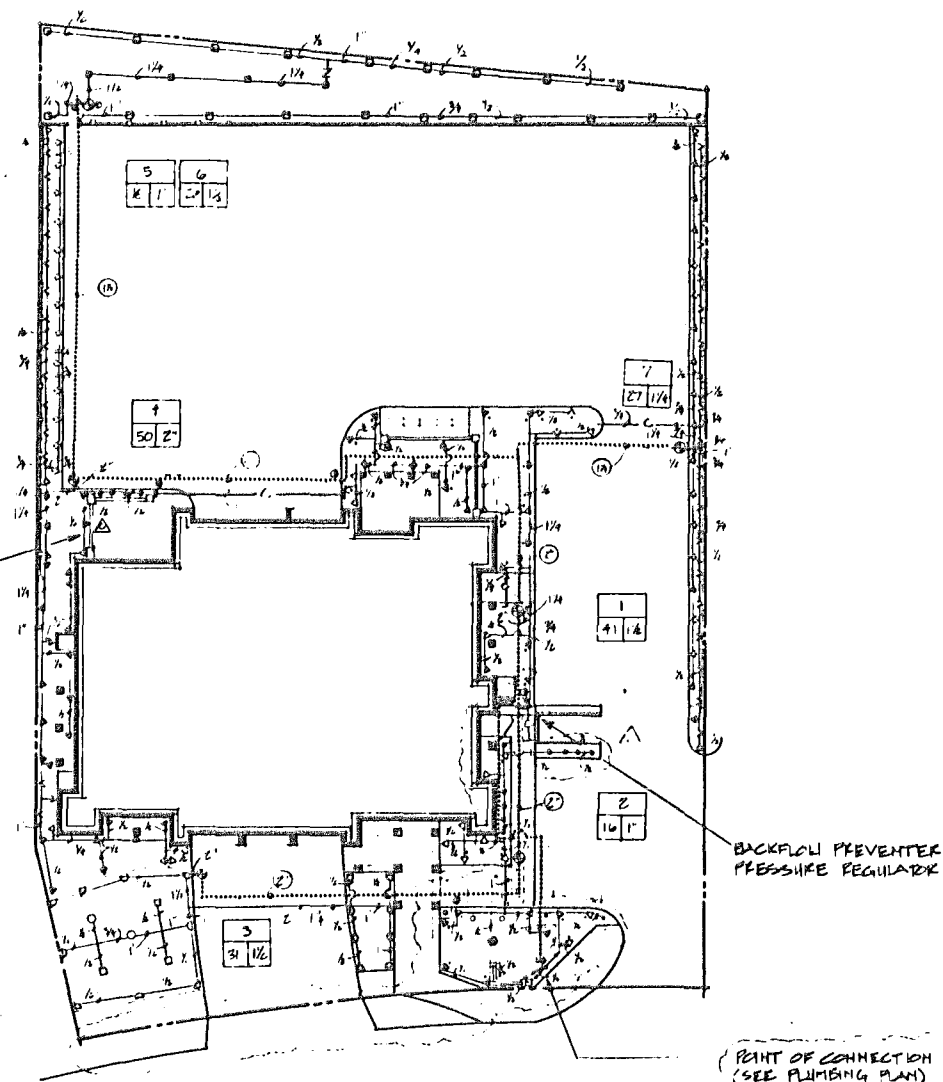
#90159-60



ELECTRICAL

#90159-60

AUTOMATIC CONTROLLER, IRRIGATION MOUNT
FINISHED & INSTALLED BY LANDSCAPE
CONTRACTOR
115 VOLT, 2 AMP 60 CYCLE INDEPENDENT
CIRCUIT PROVIDED BY GENERAL CONTRACTOR



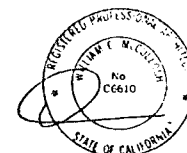
AVENTURA STREET

1"=20'-0"



IRRIGATION LEGEND

SYMBOL	DESCRIPTION	PSI	EQD	G.P.M.
□ □ □	RAINBIRD RCD-1485-6 SERIES (LA) STREAM SPRAY	30	16'	Q=81 H=1.61 F=9.90
▽ ▽ ▽	" " " " RCD-1485-15 SERIES SHRUB SPRAY	25	14'	Q=78 H=1.65
▽ ▽ ▽	" " " " RCD-1485-15 SERIES 6" POP-UP SHRUB SPRAY	25	14'	Q=78 H=1.65
▽ ▽ ▽	" " " " RCD-1485-15 SERIES (FLAT) SHRUB SPRAY	25	9'	Q=36 H=1.72
▽ ▽ ▽	" " " " RCD-1485-15 SERIES 6" POP-UP SHRUB SPRAY	25	9'	Q=36 H=1.72
▽ ▽ ▽	" " " " RCD-1485-15 SERIES 6" POP-UP TURF SPRAY	25	14'	Q=78 H=1.65 F=9.90
▽ ▽ ▽	" " " " RCD-1485-15 SERIES (LA) 6" POP-UP TURF SPRAY	25	9'	Q=36 H=1.72
▽ ▽ ▽	" " " " 1402 PRESSURE COMPENSATING BUBBLER	25	-	F=1.50
△	RAINBIRD RFA-CP SERIES REMOTE CONTROL VALVE (SIZE AS NOTED)			
△	ISCO AUTOMATIC CONTROLLER (WALL MOUNT)			
□ □ □	FEBCO BEST-2" FENCED PRESSURE BACKFLOW LIMIT			
□ □ □	GRASCO 2" POLAR PRESSURE REGULATOR (2")			
□ □ □	WISCO THIS LINE SIZE GATE VALVE			
□ □ □	WATER METER (BY OTHERS) V.O.C.			
□ □ □	RAINBIRD 4" LVC QUICK COUPLER			
□ □ □	WISCO 1520 SERIES - LINE SIZE SLING CHECK VALVE			
□ □ □	PVC SCHEDULE 40 MAINLINE (SIZE AS NOTED)			
□ □ □	PVC SCHEDULE 40 SLEEVE (3" TYP)			
□ □ □	PVC SCHEDULE 40 ELECTRICAL CONDUIT (SIZE AS NOTED)			
□ □ □	PVC CLASS 200 LATEXAL LINE (SIZE AS NOTED)			
□ □ □	VALVE/STATION NUMBER			
□ □ □	VALVE SIZE			
□ □ □	G.P.M.			



SANTA MARGARITA FIRE STATION #45

IRRIGATION PLAN

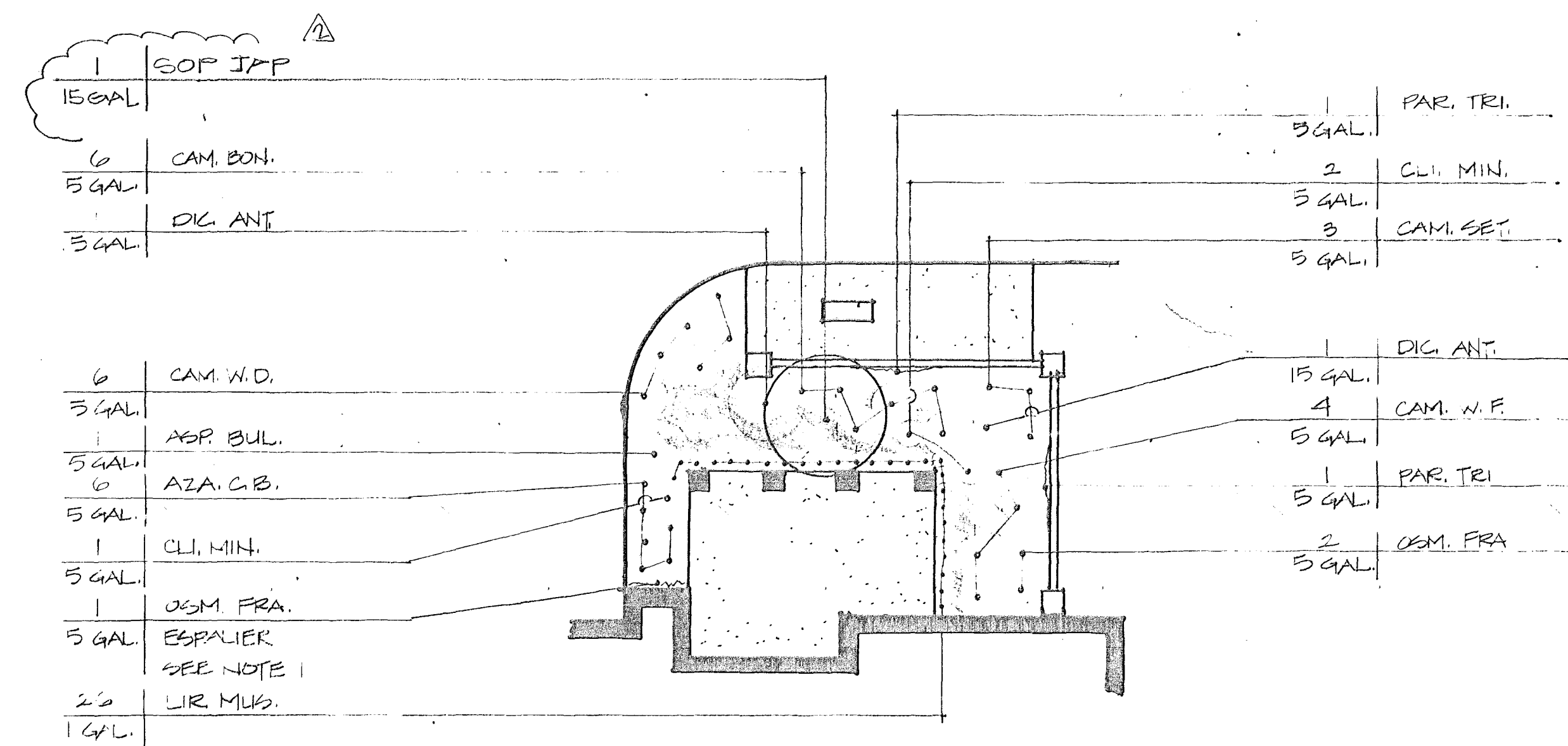
SANTA MARGARITA FIRE STATION #45

SANTA MARGARITA, CALIFORNIA

Project No. _____
Designer _____
Drawn By _____
Date _____
Scale _____
Revisions _____
By Date _____

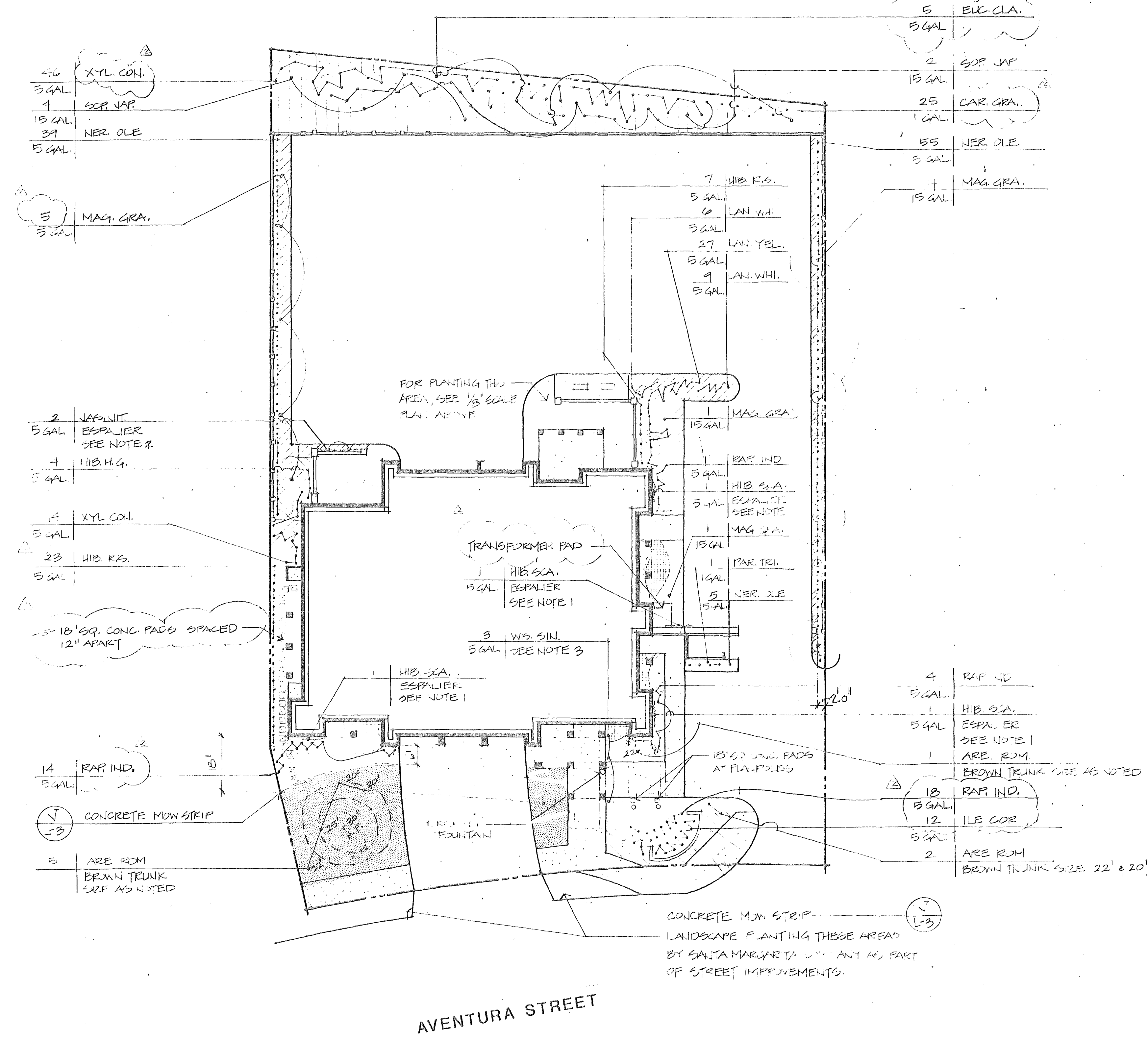
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86-164

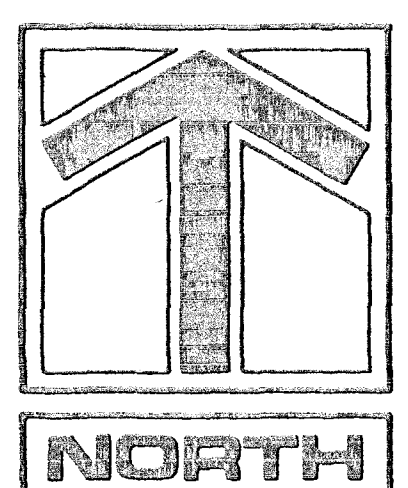


PATIO PLANTING PLAN

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

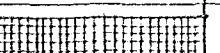
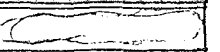
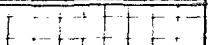
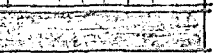
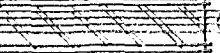
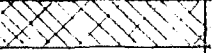
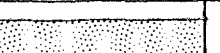
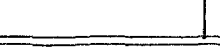


AVENTURA STREET

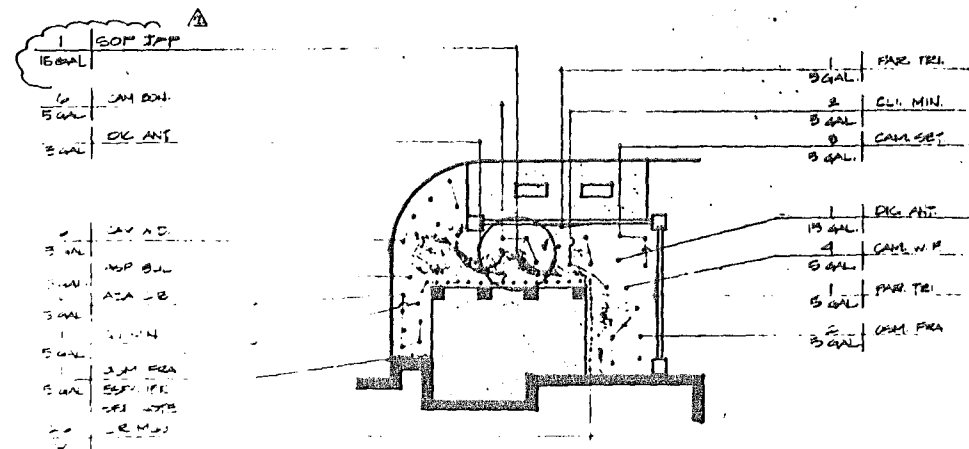


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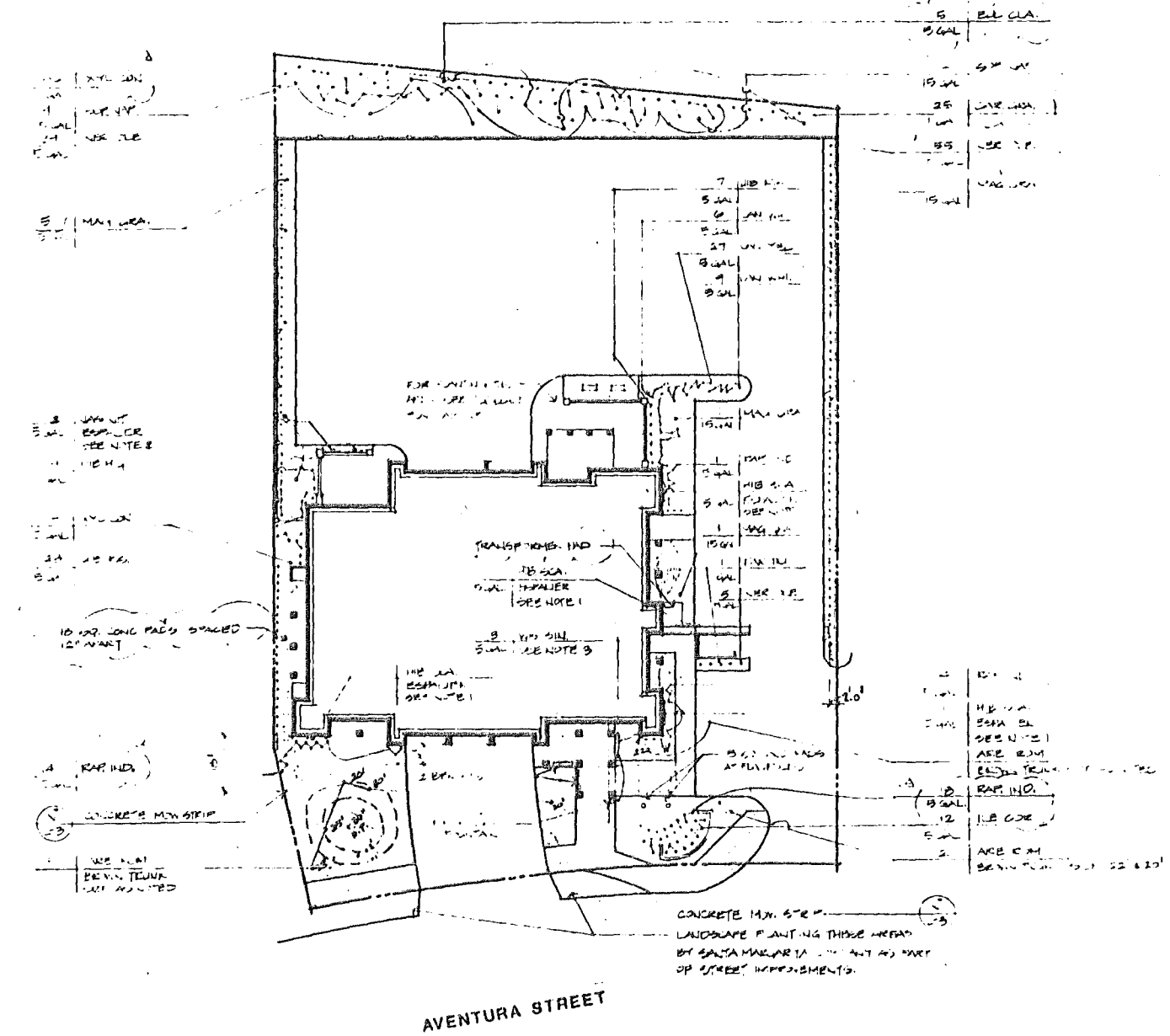
LANDSCAPE PLANT CHART

	SYMBOL	BOTANICAL NAME	COMMON NAME	BROWN 25'	TRUNK 22'	HT. 20'	15' GAL.	10' GAL.	5' GAL.	F.N.	HT. F.T.
TREES	ARE. ROM MAG. GRA SOP. JAP EUC. CLA	ARECATHURUM ROMANOFFIANUM MAGNOLIA GRANDIFLORA 'MAJESTIC BEAUTY' SOPHORA JAPONICA EUCALYPTUS CLADOCALYX	QUEEN PALM MAGNOLIA CHINESE SCHOLAR TREE SUGAR GUM	1	3	4	12 6	5			
		TREE TOTAL		1	3	4	18	5			
SHRUBS	ASP. BUL. AZA. C.B. CAM. BON CAM. SET CAM. W.D. CAM. W.F. CL. MIN. CAR. GRA. DIC. ANT. ILE. COR. LAN. WH. LAN. YEL. LIR. MUG. NER. OLE. OSM. FRA. RAP. IND. XYL. CON. HIB. H.G. HIB. R.S.	ASPLEJUM BULBIFERUM AZALEA 'CORAL BELLS' CAMELLIA SARGENTIA 'BOJANZA' CAMELLIA SARGENTIA 'SETSUJIKKA' " " 'WHITE DOVE' " " 'WHITE FRILLS' CLIVIA MIN. ATA CARISSA GRANDIFLORA 'FANCY' DICKSONIA ANTARTICA ILEX CORNUTA 'BURFORDI' LANTANA HYBRID 'DWARF WHITE' " " 'DWARF YELLOW' URIPOE MUSCARI 'SILVER CUPPROOF' NERIUM OLEANDER 'PETITE PINK' OSMANTHUS FRAGRANS RAPHANOLEPIS INDICA 'BALLERINA' XYLODIA CONGESTUM 'COMPACTA' HIBISCUS ROSA SINENSIS 'HULA GIRL' " " " 'SANTANA'	MOTHER FERN N.C.N. N.C.N. N.C.N. N.C.N. N.C.N. KAPPA LILY NATAL PLUM TASMANIAN TREE FERN DWARF CHINESE HOLLY N.C.N. N.C.N. VARIEGATED LILY TURF DWARF OLEANDER SWEET OLIVE INDIA HAWTHORN N.C.N. N.C.N. N.C.N.				1 6 6 3 6 4 3 1 1 12 13 27 99 2 57 60 11 23	25 26			
		SHRUB TOTAL					1	325	51		
VINES/ESPALIERS	HIB. SCA. JAS. NIT. OSM. FRA. PAR. TRI. WIS. SIN.	HIBBERTIA SCANDENS JASMINUM NITIDA OSMANTHUS FRAGRANS PASTHEUSIA TRICAMPIDATA WISTERIA SINENSIS	GUINEA GOLD VINE ANGEL WING JASMINE SWEET OLIVE BUSTON V. CHINESE WISTERIA				4 2 1 3 3				
		VINE/ESPALIER TOTAL					3				
GROUND COVER	           	OSMANTHUS AFRICANUS 'QUEEN ANNE' @ 4' OC. TRIANGULAR SPACING HEUBRA HELIX 'HAKHII' @ 10' OC. TRIANGULAR SPACING HEMEROCALLIS HYBRID 'GOLD' @ 8' OC. TRIANGULAR SPACING LON. EIA JAPONICA 'HALIANA' @ 24" 26" 28" 30" 32" 34" 36" 38" 40" 42" 44" 46" 48" 50" 52" 54" 56" 58" 60" 62" 64" 66" 68" 70" 72" 74" 76" 78" 80" 82" 84" 86" 88" 90" 92" 94" 96" 98" 100" 102" 104" 106" 108" 110" 112" 114" 116" 118" 120" 122" 124" 126" 128" 130" 132" 134" 136" 138" 140" 142" 144" 146" 148" 150" 152" 154" 156" 158" 160" 162" 164" 166" 168" 170" 172" 174" 176" 178" 180" 182" 184" 186" 188" 190" 192" 194" 196" 198" 200" 202" 204" 206" 208" 210" 212" 214" 216" 218" 220" 222" 224" 226" 228" 230" 232" 234" 236" 238" 240" 242" 244" 246" 248" 250" 252" 254" 256" 258" 260" 262" 264" 266" 268" 270" 272" 274" 276" 278" 280" 282" 284" 286" 288" 290" 292" 294" 296" 298" 300" 302" 304" 306" 308" 310" 312" 314" 316" 318" 320" 322" 324" 326" 328" 330" 332" 334" 336" 338" 340" 342" 344" 346" 348" 350" 352" 354" 356" 358" 360" 362" 364" 366" 368" 370" 372" 374" 376" 378" 380" 382" 384" 386" 388" 390" 392" 394" 396" 398" 400" 402" 404" 406" 408" 410" 412" 414" 416" 418" 420" 422" 424" 426" 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828" 830" 832" 834" 836" 838" 840" 842" 844" 846" 848" 850" 852" 854" 856" 858" 860" 862" 864" 866" 868" 870" 872" 874" 876" 878" 880" 882" 884" 886" 888" 890" 892" 894" 896" 898" 900" 902" 904" 906" 908" 910" 912" 914" 916" 918" 920" 922" 924" 926" 928" 930" 932" 934" 936" 938" 940" 942" 944" 946" 948" 950" 952" 954" 956" 958" 960" 962" 964" 966" 968" 970" 972" 974" 976" 978" 980" 982" 984" 986" 988" 990" 992" 994" 996" 998" 1000" 1002" 1004" 1006" 1008" 1010" 1012" 1014" 1016" 1018" 1020" 1022" 1024" 1026" 1028" 1030" 1032" 1034" 1036" 1038" 1040" 1042" 1044" 1046" 1048" 1050" 1052" 1054" 1056" 1058" 1060" 1062" 1064" 1066" 1068" 1070" 1072" 1074" 1076" 1078" 1080" 1082" 1084" 1086" 1088" 1090" 1092" 1094" 1096" 1098" 1100" 1102" 1104" 1106" 1108" 1110" 1112" 1114" 1116" 1118" 1120" 1122" 1124" 1126" 1128" 1130" 1132" 1134" 1136" 1138" 1140" 1142" 1144" 1146" 1148" 1150" 1152" 1154" 1156" 1158" 1160" 1162" 1164" 1166" 1168" 1170" 1172" 1174" 1176" 1178" 1180" 1182" 1184" 1186" 1188" 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PATIO PLANTING PLAN SCALE: 1/8"=1'-0"



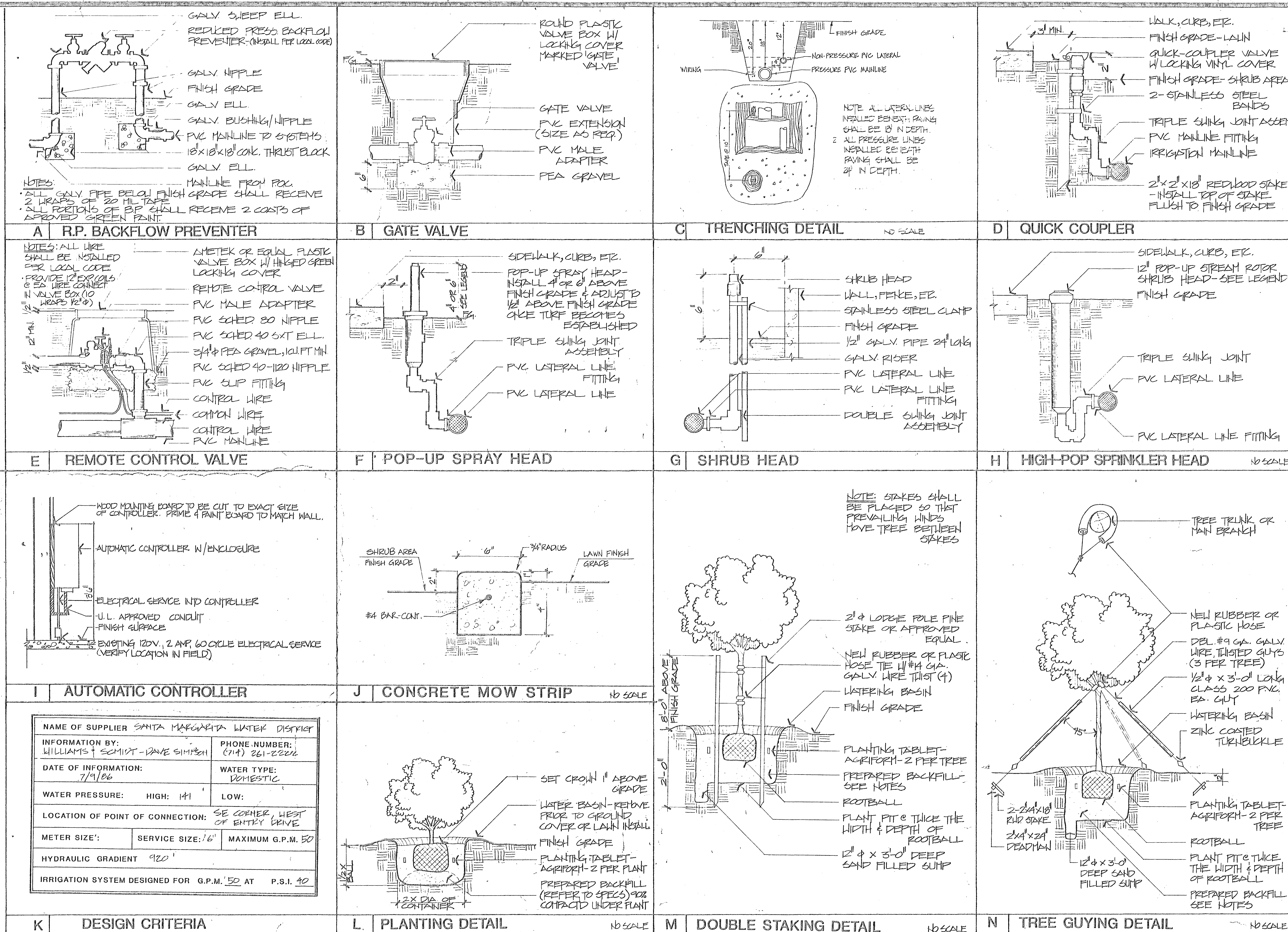
AVENTURA STREET



1"=20'-0"

LANDSCAPE PLANT CHART

TREES	SYMBOL	BOTANICAL NAME	COMMON NAME	DOWNSTREAM HT	15	5	1	1/2	1/4	1/8	1/16	1/32	1/64	1/128	1/256	1/512	1/1024	1/2048	1/4096	1/8192	1/16384	1/32768	1/65536	1/131072	1/262144	1/524288	1/1048576	1/2097152	1/4194304	1/8388608	1/16777216	1/33554432	1/67108864	1/134217728	1/268435456	1/536870912	1/1073741824	1/2147483648	1/4294967296	1/8589934592	1/17179869184	1/34359738368	1/68719476736	1/137438953472	1/274877906944	1/549755813888	1/1099511627776	1/2199023255552	1/4398046511104	1/8796093022208	1/17592186044416	1/35184372088832	1/70368744177664	1/140737488355328	1/281474976710656	1/562949953421312	1/1125899906842624	1/2251799813685248	1/4503599627370496	1/9007199254740992	1/18014398509481984	1/36028797018963968	1/72057594037927936	1/144115188075855872	1/288230376151711744	1/576460752303423488	1/1152921504606846976	1/2305843009213693952	1/4611686018427387904	1/9223372036854775808	1/18446744073709551616	1/36893488147419103232	1/73786976294838206464	1/147573952589676412928	1/295147905179352825856	1/590295810358705651712	1/1180591620717411303424	1/2361183241434822606848	1/4722366482869645213696	1/9444732965739290427392	1/18889465931478580854784	1/37778931862957161709568	1/75557863725914323419136	1/151115727451828646838272	1/302231454903657293676544	1/604462909807314587353088	1/1208925819614629174706176	1/2417851639229258349412352	1/4835703278458516698824704	1/9671406556917033397649408	1/19342813113834066795298816	1/38685626227668133590597632	1/77371252455336267181195264	1/154742504910672534362390528	1/309485009821345068724781056	1/618970019642690137449562112	1/1237940039285380274899124224	1/2475880078570760549798248448	1/4951760157141521099596496896	1/9903520314283042199192993792	1/19807040628566084398385987584	1/39614081257132168796771975168	1/79228162514264337593543950336	1/158456325028528675187087900672	1/316912650057057350374175801344	1/633825300114114700748351602688	1/1267650600228229401496703205376	1/2535301200456458802993406410752	1/5070602400912917605986812821504	1/10141204801825835211973625643008	1/20282409603651670423947251286016	1/40564819207303340847894502572032	1/81129638414606681695789005144064	1/162259276829213363391578010288128	1/324518553658426726783156020576256	1/649037107316853453566312041152512	1/1298074214633706907132624082305024	1/2596148429267413814265248164610048	1/5192296858534827628530496329220096	1/10384593717069655257060992658440192	1/20769187434139310514121985316880384	1/41538374868278621028243970633760768	1/83076749736557242056487941267521536	1/166153499473114484112975882535043072	1/332306998946228968225951765070086144	1/664613997892457936451903530140172288	1/1329227995784915872903807060280344576	1/2658455991569831745807614120560689152	1/5316911983139663491615228241121378304	1/10633823966279326983230456482242756608	1/21267647932558653966460912964485513216	1/42535295865117307932921825928971026432	1/85070591730234615865843651857942052864	1/170141183460469231731687303715884105728	1/340282366920938463463374607431768211456	1/680564733841876926926749214863536422912	1/1361129467683753853853498429727072845824	1/2722258935367507707706996859454145691648	1/5444517870735015415413993718908291383296	1/10889035741470030830827987437816582766592	1/21778071482940061661655974875633165533184	1/43556142965880123323311949751266331066368	1/87112285931760246646623899502532662132736	1/174224571863520493293247799005065244265472	1/348449143727040986586495598010130488530944	1/696898287454081973172991196020260977061888	1/1393796574908163946345982392040521954123776	1/2787593149816327892691964784081043908247552	1/5575186299632655785383929568162087816495104	1/11150372599265311570767859136324175632990208	1/22300745198530623141535718272648351265980416	1/44601490397061246283071436545296702531960832	1/89202980794122492566142873090593405063921664	1/178405961588244985132285746181186810127843328	1/356811923176489970264571492362373620255686656	1/71362384635297994052914298472474724051137312	1/142724769270595988105828596944949448102274624	1/285449538541191976211657193889898896204549248	1/570899077082383952423314387779797792409098496	1/1141798154164767904846628775559595584818196992	1/2283596308329535809693257551119191169636393984	1/4567192616659071619386515102238382339272787968	1/9134385233318143238773030204476764678545575936	1/18268770466636286477546060408953529357091151872	1/36537540933272572955092120817907058714182303744	1/73075081866545145910184241635814117428364607488	1/146150163733090291820368483271628234856729214976	1/292300327466180583640736966543256469713458429952	1/584600654932361167281473933086512939426916859904	1/1169201309864722334562947866173025878853833719808	1/2338402619729444669125895732346051757707667439616	1/4676805239458889338251791464692103515415334879232	1/9353610478917778676503582929384207030830669758464	1/18707220957835557353007165858768414061661339516928	1/37414441915671114706014331717536828123322679033856	1/74828883831342229412028663435073656246645358067712	1/149657767662684458824057326870147312493290716135424	1/299315535325368917648114653740294624986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260 Newport Center Drive
Newport, CA 94568
Tel: 708

MAQUILLARI ARCHITECTS

THESE DRAWINGS REPRESENT AS-BUILT CONDITIONS TO THE BEST OF OUR KNOWLEDGE AND BELIEF. THEY ARE NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT.

WILLIAMS + SCHMIDT
ARCHITECTS

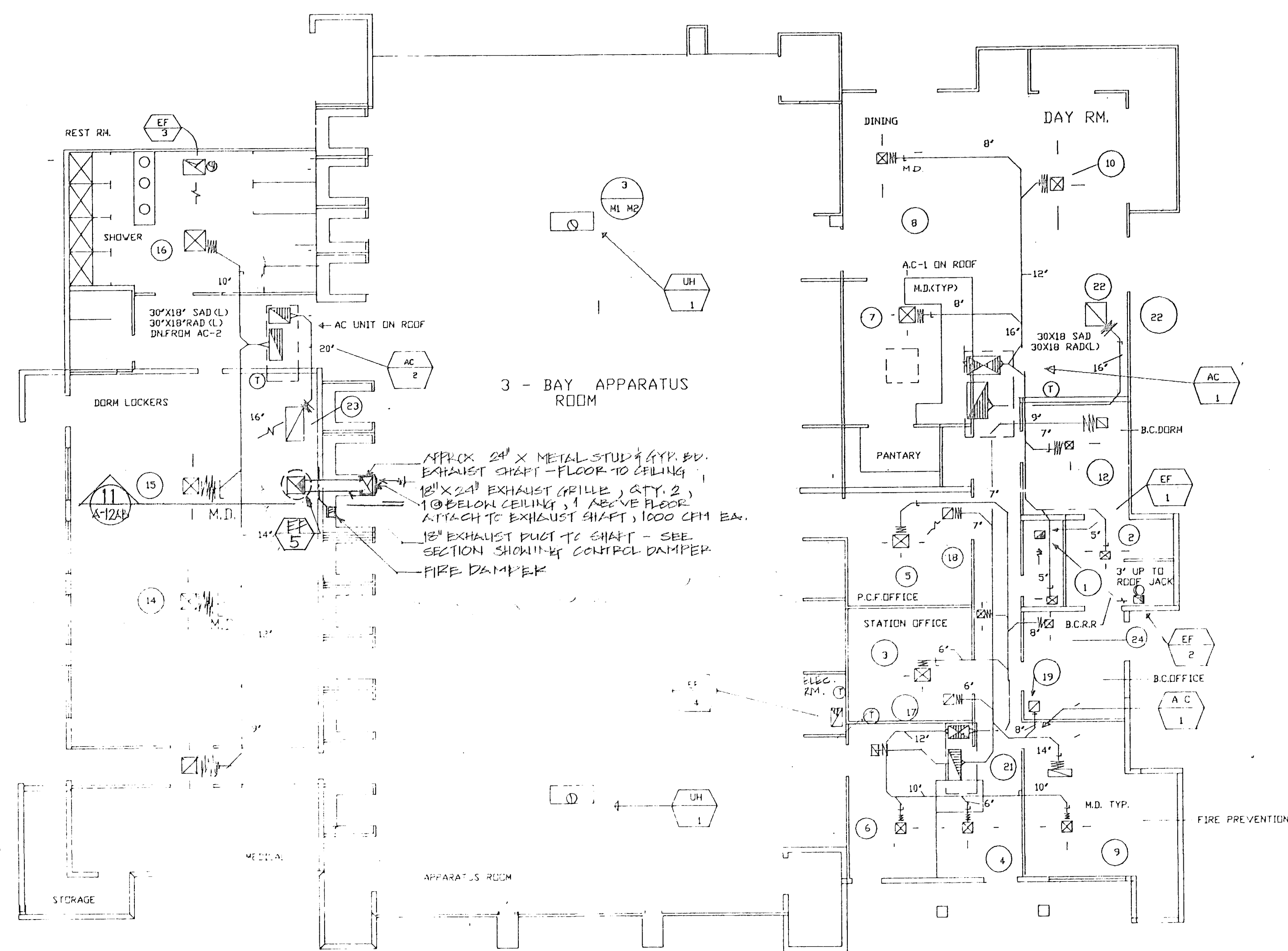
IRRIGATION AND PLANTING DETAILS
SANTA MARGARITA FIRE STATION #45
SANTA MARGARITA, CALIFORNIA

Project No. _____
Designer _____
Drawn by _____
Date 11-1-89 AS-BUILT
Scale _____

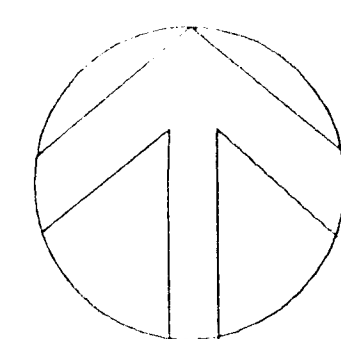
Revisions By Date

1 PER CITY 11/1/89

Sheet
L-3
of 3 Sheets



MECHANICAL FLOOR PLAN



AIR CONDITIONING SCHEDULE										
EQUIP. NO.	COOLING CAPACITY			HEATING CAP. (NATURAL GAS)		SUPPLY FAN		COND. FAN MOTOR	COMP. INPUT FLA EA/ QTY	ELECTRIC POWER V F MCA
	TOTAL BTUH	SENSIBLE BTUH	E.A.T. F db/Fwb	INPUT BTUH	OUTPUT BTUH	AIR CFM	ESP			
AC 1	35,500	32,500	85/63	60,000	45,000	1200	1/2	1/5	1.0	25
AC 2	59,600	53,900	85/63	125,000	93,750	2000	1	1/3	2.2	50

REMARKS: 2 REQ'D. 48\"/>

60,000 BTUH INPUT, 1050 CFM, 78% AGA EFF, 1/30 HP AT 110 V/10/20A/1108
 PROVIDE CEILING HANG BRACKET, SHUT OFF VALVE, FLEX GAS CONN. APPRVD.
 FOR NAT.GAS STERLING CF 60

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING RETURN AIR DUCTS
 TRANSFER WITH REMOTE TRANSMITTER TO RETURN AIR DUCT

EXHAUST FAN SCHEDULE										
EQUIP. NO.	LOCATION	SERVING	TYPE	CFM	STATIC PRESS. (IN. W.G.)	MOTOR		MANUFACTURER MODEL NO.	CONTROL	REMARKS
						HP	V/2/0/ HZ			
EF 1	TOILET	H.C.R.R. RM.	CEILING MOUNT	90	1'	49	120/1/60	TRADEWIND VQ190	SPEED CONTROL	PROVIDE ROOF CAP, BDD & CEILING GRILLE
EF 2	TOILET	B.C.R.R.	CEILING MOUNT	200	1'	1/30		TRADEWIND VQ1200		
EF 3	TOILET	TOILET EXH.	CEILING MOUNT	1000	1/8"	1/5		TRADEWIND VQ1000		
EF 5	ROOF	APPARATUS RM.	ROOF MOUNT	2000	25"	1/3	115/1/60	CLICK ACCE DISC150	MANUALLY ON OFF & INTERLOCK W/THERMOSTAT	PROVIDE ROOF CURB BDD & DISCPLUG
EF 1	KITCHEN	RANGE	21"X36"	350	25"	1/8		TRADEWIND SERIES E3G4 ROOF CAP	MTD. AT HCOB	WITH LIGHT FAN SWITCH COLOR PER ARCH.

AIR DISTRIBUTION SCHEDULE					
MARK	SIZE	TYPE	MOD	MANUF	REFERENCE NO.
A	6X6	C.D.	META	ADRE	1 3
B	8X8	C.D.	"	"	2 4
C	10X10	C.D.	"	"	5
D	12X12	C.D.	"	"	6 7 8 24
E	15X15	C.D.	"	"	9 10 11
F	18X18	C.D.	"	"	12
G	24X24	C.D.	"	"	13 14 15 16
H	30X30	C.D.	"	"	17
I	36X36	C.D.	"	"	18
J	42X42	C.D.	"	"	19 20
K	48X48	C.D.	"	"	21
L	54X54	C.D.	"	"	22
M	60X60	C.D.	"	"	23
N	66X66	C.D.	"	"	24

SYMBOL	DESCRIPTION
○	CEILING DIFFUSER
○	RETURN AIR DIFFUSER
○	SUPPLY DUCT
○	RETURN DUCT UP
○	EXHAUST DUCT UP
○	FLEX DUCT MAX
○	THERMOSTAT
○	FULL LOAD AMPS
○	EXHAUST FAN
○	UNIT HEATER
○	MULTI EXH. FAN
○	PACKAGE AIR CONDITIONING UNIT
○	MANUAL DAMPER
○	DUCT LEAKING
○	EXTERNAL STATIC PRESSURE

MECHANICAL FLOOR PLAN

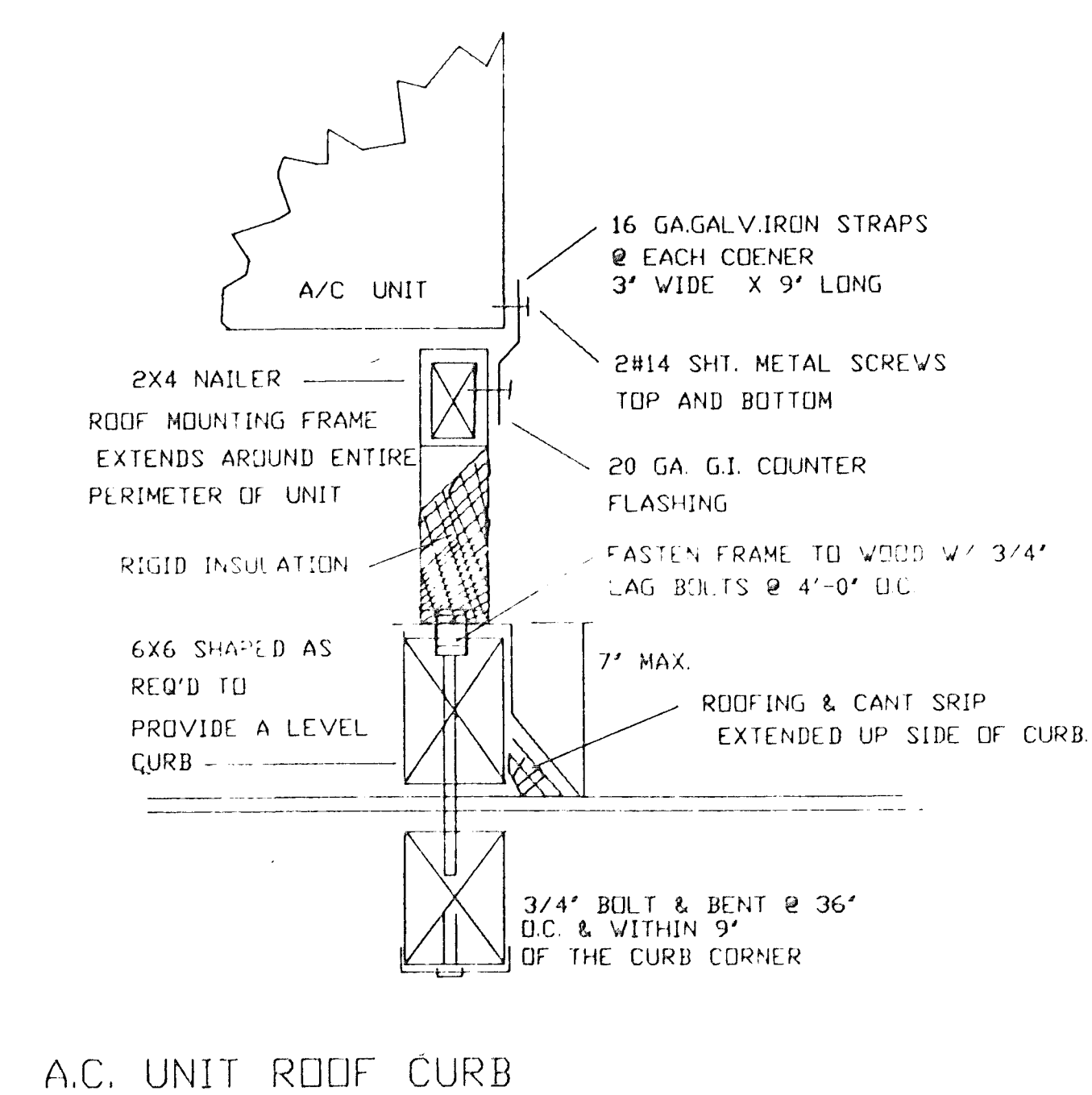
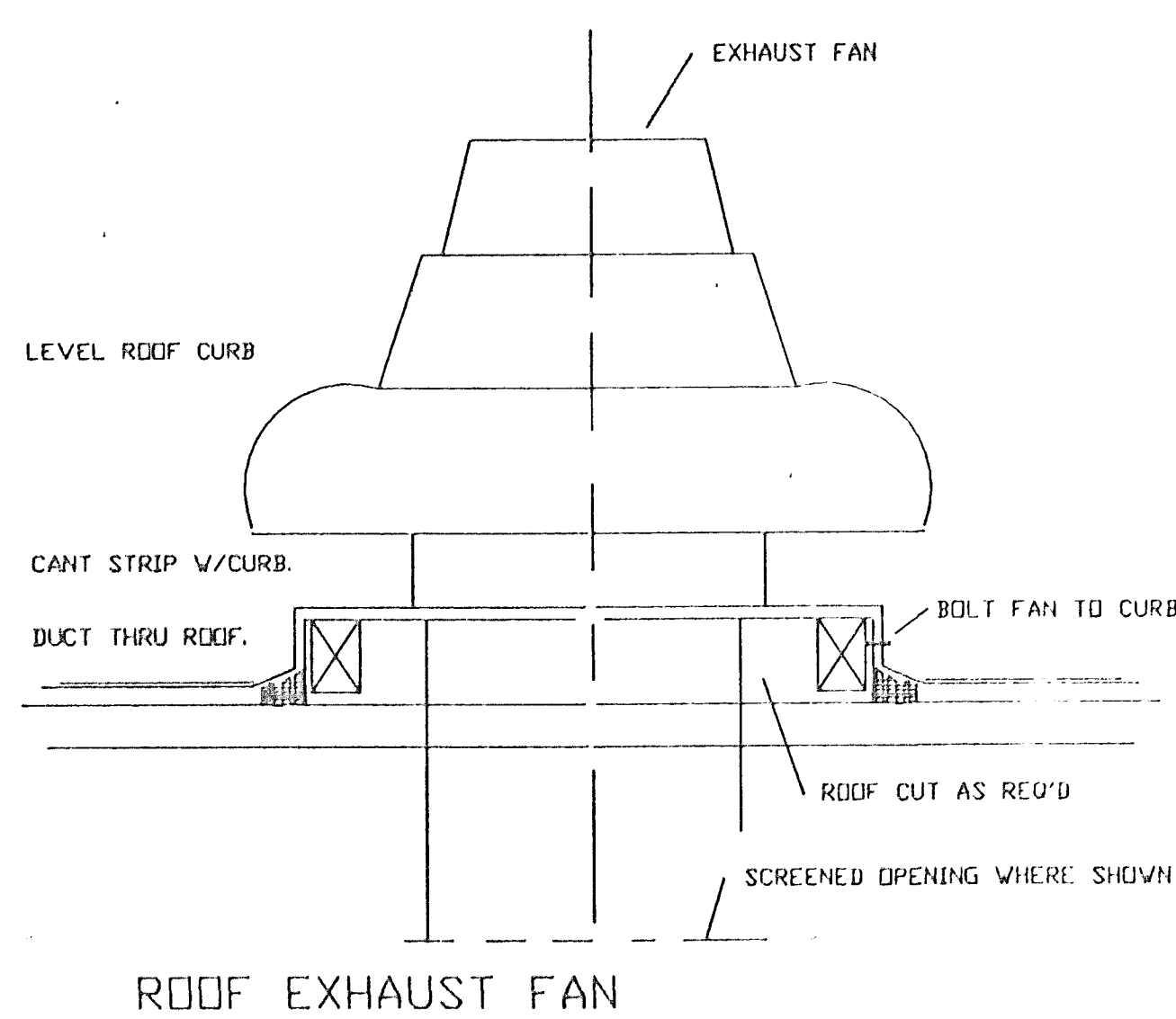
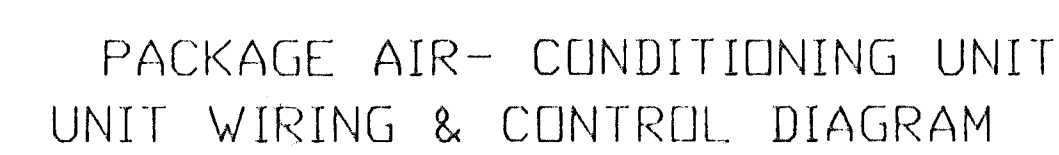
SANTA MARGARITA FIRE STATION #45

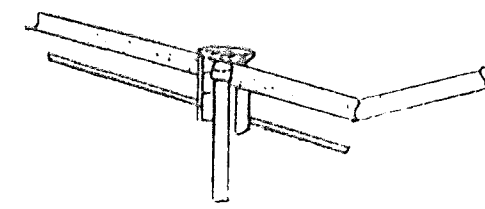
SANTA MARGARITA, CA

Project No. S.H.
 Designer S.H.
 Date 11-1-89 AS-BUILT
 Scale

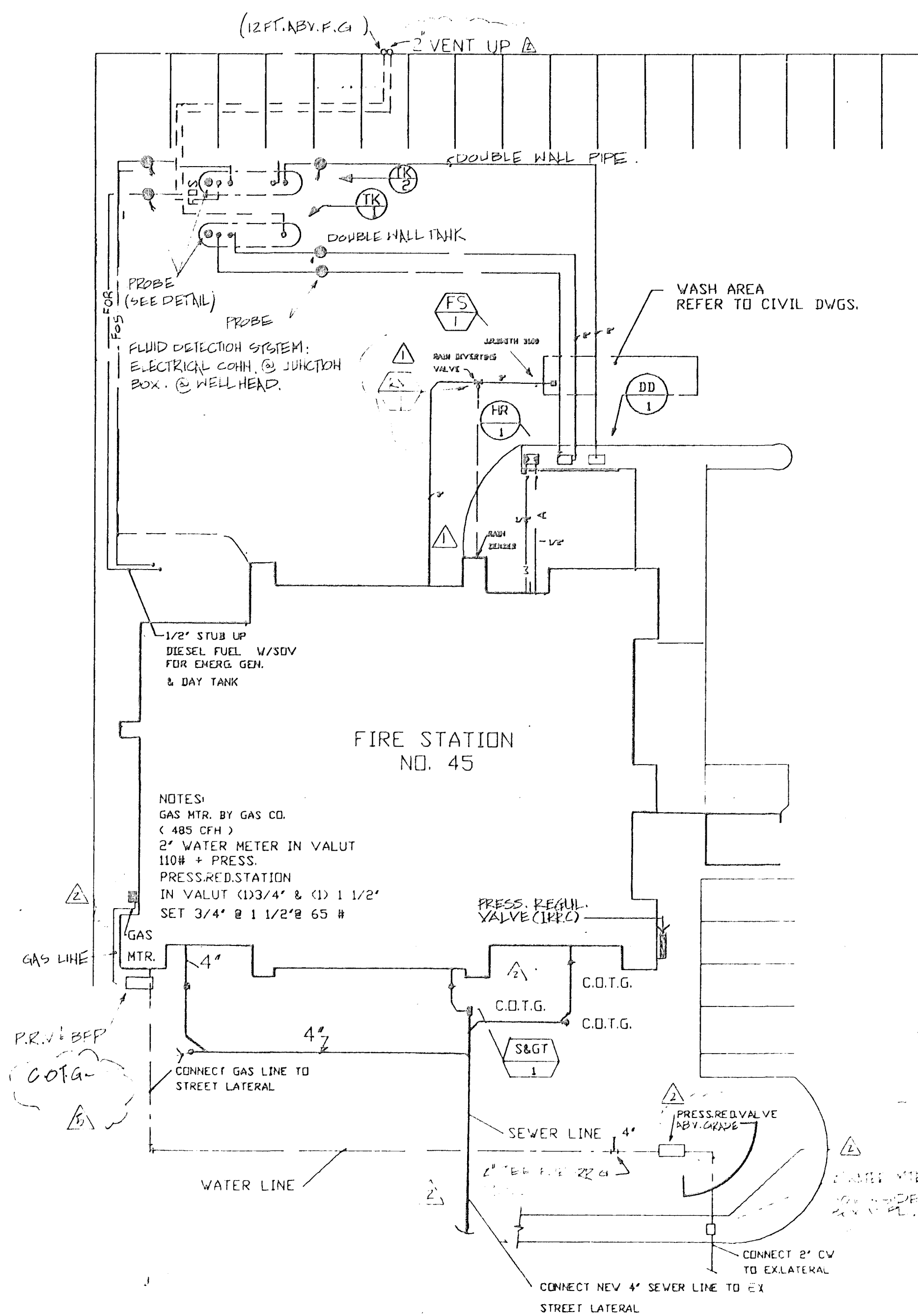
Revisions	By	Date
1. AS-BUILT	S.H.	11/2/89
2. AS-BUILT	S.H.	12/2/89

Sheet M-1





UNDERGROUND PROBE



SITE PLAN

PLUMBING 1" = 20'-0"

PIPE SCHEDULE		SERVICE							REMARKS
TYPE	SIZE	1/2" COPPER	3/4" COPPER	1" COPPER	2" COPPER	2" GALV. STEEL	4" GALV. STEEL	6" GALV. STEEL	
WATER	INSIDE								
WATER	OUTSIDE								
SANITARY DRAINAGE	INSIDE								
SANITARY DRAINAGE	OUTSIDE								
SANITARY VENT	CONCEALED								
SANITARY VENT	EXPOSED								
INDIRECT WASTE	INSIDE								
INDIRECT WASTE	OUTSIDE								
GAS	INSIDE								
GAS	OUTSIDE								
STORM DRAIN	INSIDE								
STORM DRAIN	OUTSIDE								
FIRE	INSIDE								
FIRE	OUTSIDE								
AIR HD									
FUEL OIL									

SYMBOL & ABBREVIATION		
SYMBOL	ABBREVIATION	DESCRIPTION
---	S or W	SOIL OR WASTE
---	V	VENT
---	CW	COLD WATER
---	HW	HOT WTR.
---	HWR	HOT WRT. RETURN
---	G	GAS
---	FCD	FLOOR CLEANOUT
---	COTG	CLEANOUT TO GRADE
---	WCO	WALL CLEANOUT
---	SDV	SHUTOFF VALVE
---	G.C.	GAS COCK
---	CHV	CHECK VALVE
---	P/TRV	PRESS./TEMP. RELIEF
---	H.B.	HOSE BIBB
---	WHA	WATER HAMMER ARRESTOR
---	A	COMP. AIR
---	SD	STORM DRAIN
---	OD	OVERFLOW DRAIN
---	FOS	FUEL OIL SUPPLY
---	FOR	FUEL OIL RETURN
---	MO	MOTOR OIL

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
ABV	ABOVE	FLR	FLOOR
A/C	AIR CONDITIONING	GR	GROUND
AP	ACCESS PANEL	GPH	GAL PER HOUR
BEL	BELOW	GPH	GAL PER MIN.
BR	BRANCH	PDC	POINT OF CORAL
CLG	CEILING		
CFH	CUBIC FEET PER HOUR		
CONN.	CONNECT (ION)		
CONT	CONTINUE (ATION)		
DET.	DETAIL		
DN	DOWN		
DS	DOWNSPOUT		
EA	EACH		

EQUIPMENT SCHEDULE			
SYMBOL	EQUIPMENT	LOCATION	REMARKS
DD	DISPENSER	PARKING LOT	BENNETT UNIT NO. 37250 3/4" HP 115V V/15-FOOT HOSE HIGH VOLUME NOZZLE DPV NO. 7 H, TV
RV	RAIN DIVERTER VALVE	(20-1)	1600 REPAIR SOLENOID VALVE RAIN-ETECTOR BY HETTER HIND INST. EQUIP. CO. TYPICAL KICK-OUT TYPE
TK	UNLEADED GASOLINE TANK		JOUR PLASTEEL TANK DOUBLE WALL 1000 GAL. CAP. V/ POLLALERT HYDROCARBON LEAK DETECTOR.
TK	DIESEL FUEL TANK		SAME AS TK -1
C	AIR COMP.		INGERSOLL RAND 502 V/ 80 GAL. ASME TANK 5 HP, 145 PSI MIN. 985 RPM
HR	HOSE REEL	PARKING LOT	GROVER NO. 500 UG W/ BIBE NO. 708 F & AIR CHUCK NO. 907, 25 FT. HOSE STOP NO. 1109-1
HR	HOSE REEL	APPARATUS AREA	GROVER MODEL NO. 2850F V/ AIR CHUCK NO. 907 60 FT HOSE 4720H SINGLE UNIT MOUNTING RAIL 7201 A
HR	HOSE REEL	APPARATUS AREA	GROVER MODEL NO. 2850R & 2853J W/ AIR CHUCK NO. 907 OIL CONTROL 1048 DOUBLE UNIT HOSE 4720H & 1048 MOUNTING RAIL 7202 A.
AP	AIR PUMP	STORAGE ROOM	GROVER MODEL NO. 7641 3/4 RATIO W/ BUNG ADAPTOR TELESCOPING SUCTION TUBE
LD	LEAK DETECTION SYSTEM	DRIVE TANK	LEAK DETECTION SYSTEM POLLALERT MODEL FD-02 3/4" W/ PROBE FOR EACH SECONDARY POINT INCLUDING WIRING.

PLUMBING FIXTURE SCHEDULE		MIN. ROUGH IN. SIZES				DESCRIPTION	
SYMBOL	FIXTURE	S	OR W	VENT	CW	HW	
WC	WATER CLOSET	4"		2"	1"		A.S. AFWALL TOILET NO. 2477016 SLOAN 110-3 FLUSH VALVE OLSONITE 95 TOILET SEAT JR. SMITH CARRIER
U	URINAL	2"		1 1/2"	3/4"		A.S. WASHBROOK URINAL NO. 6501010 SLOAN 186 FLUSH VALVE JR. SMITH CARRIER
L	LAVATORY	2"		1-1/2"	1/2"	1/2"	A.S. "AQUALYN" NO. 0475020 W/ ELKAY FAUCET 4417 LA PATTERN "P" TRAP.
SH	SHOWER	2"		1-1/2"	1/2"	1/2"	ELKAY NOLKH 2542 W/ JR. SMITH DRAIN NO. 2005A
SS	SERVICE SINK	2"		1-1/2"	1/2"	1/2"	A.S. "SERVICE" SINK NO. 7692023 RINGUARD NO. 8379018 FAUCET NO. 8344111 TRAP NO. 7798044
S	SINK	2"		1-1/2"	1/2"	1/2"	ELKAY NO. DLR 3321 FAUCET LK 4100 LK 35 & INSINKERATOR # 77 GARBAGE DISPOSER 1/2 HP-115 V.
FD	FLOOR DRAIN	2"		1-1/2"			JR. SMITH FIG. 2005AP POLISHED BRONZE STRAINER
FD	FLOOR DRAIN	4"					JR. SMITH FIG. 21425 M
HB	HOSE BIBB						ACORN FIG. 8121 VB.
HB	HOSE BIBB				1"	1"	HOT & CW HYDRANT W/ VACUUM BREAKER
TP	TRAP PRIMER						JR. SMITH TRAP PRIMER, CONN. TO TAIL PIECE OF LAVATORY.
WH	WATER HEATER						AMERICAN MA-104 -T6 TANK CAP. 100 GAL. 82,000 BTU INPUT 74.0 REC. G.P.H. @ 100 RISE
RD	OVERFLOW DRAIN						JR. SMITH FIG. 1010 YCR FOR RD-1
SGT	SAND & GREASE TRAP	4"		2"			M.D. NOTTINGHAM 750 GAL CAPACITY W/ DOUBLE BAFFLE SET FLUSH TO GRADE IN SIDEWALK.
EV	ELECTRIC WTR. COOLER	2"		1 1/2"	1/2"		ELKAY EHF-8 115 V, 160, 1/5 7.6 GAL./HR.

260 Newport Center Drive Suite 330 Newport Beach California 92660 714/750-3141

MEAL-HOOL ARCHITECTS

3715 E. 14th St. Long Beach, CA 90802

ARCHITECTS

THESE DRAWINGS REPRESENT AS-BUILT CONDITIONS TO THE BEST OF OUR KNOWLEDGE AND BELIEF. NO VISUAL INSPECTION OF THE BUILDING DURING CONSTRUCTION WAS MADE.

WILLIAM C. MCULLOCH ARCHITECT

William C. Mculloch

SITE PLAN

SANTA MARGARITA FIRE STATION #45

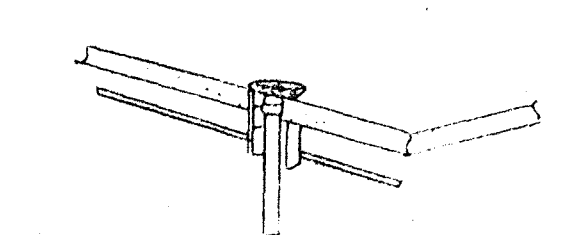
SANTA MARGARITA, CA

Project No. _____
Designer: M.S.
Drawn by: _____
Date: 11-1-89 AS-BUILT
Scale: _____

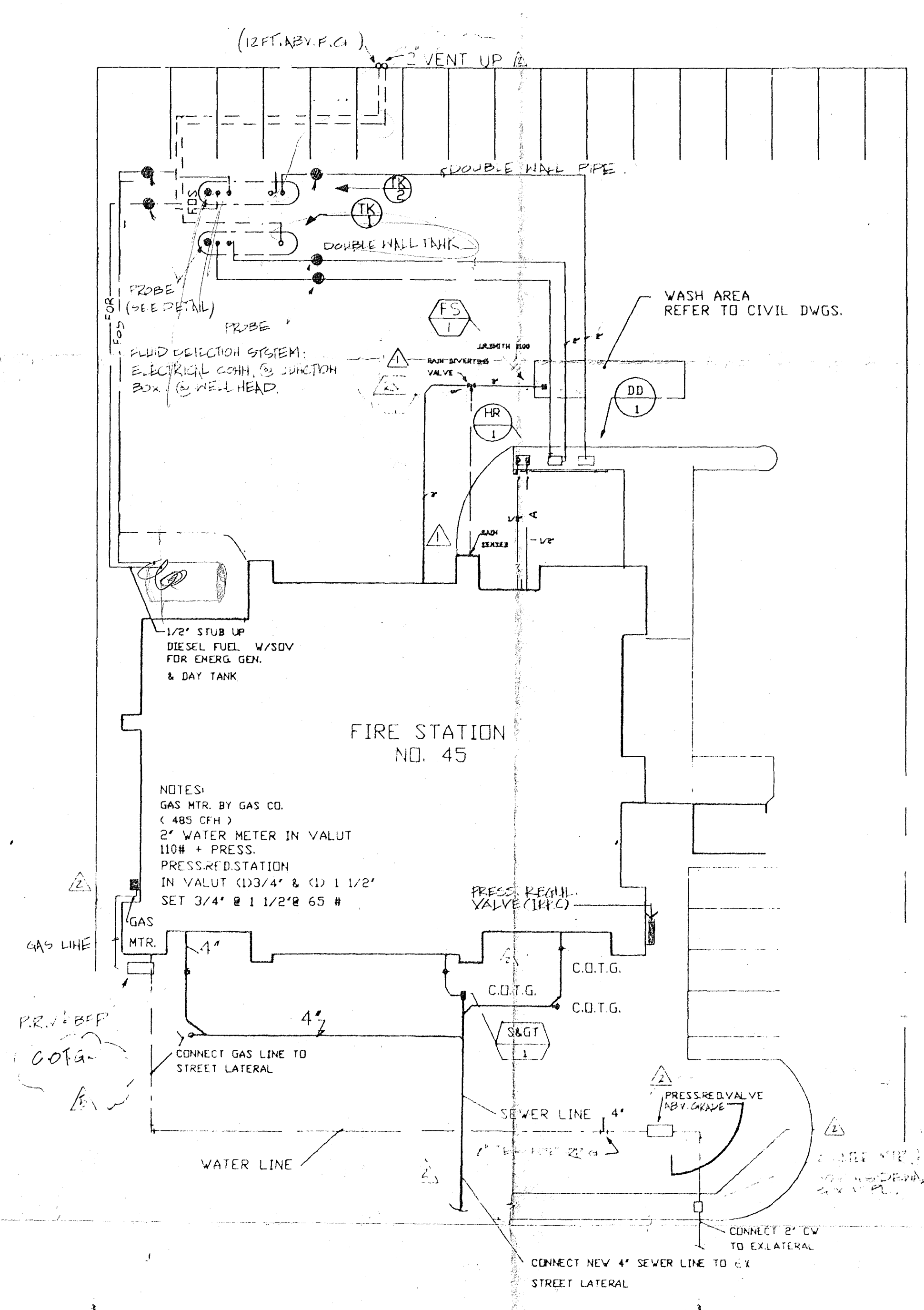
Revisions By Date

1	AS-BUILT	11/1/89
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Sheet **P-1** of 4 Sheets



UNDERGROUND PROBE



SITE PLAN

PLUMBING

1" = 20'-0"

Call not to shift as per original

Substitution not approved by City

Drawn by M.S.

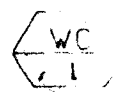
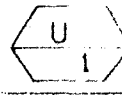
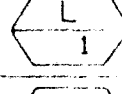
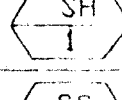
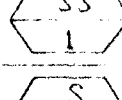
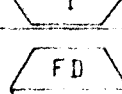
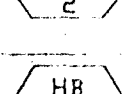
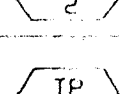
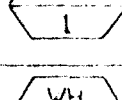
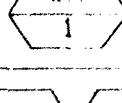
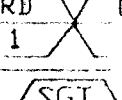
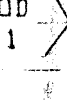
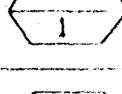
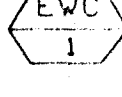
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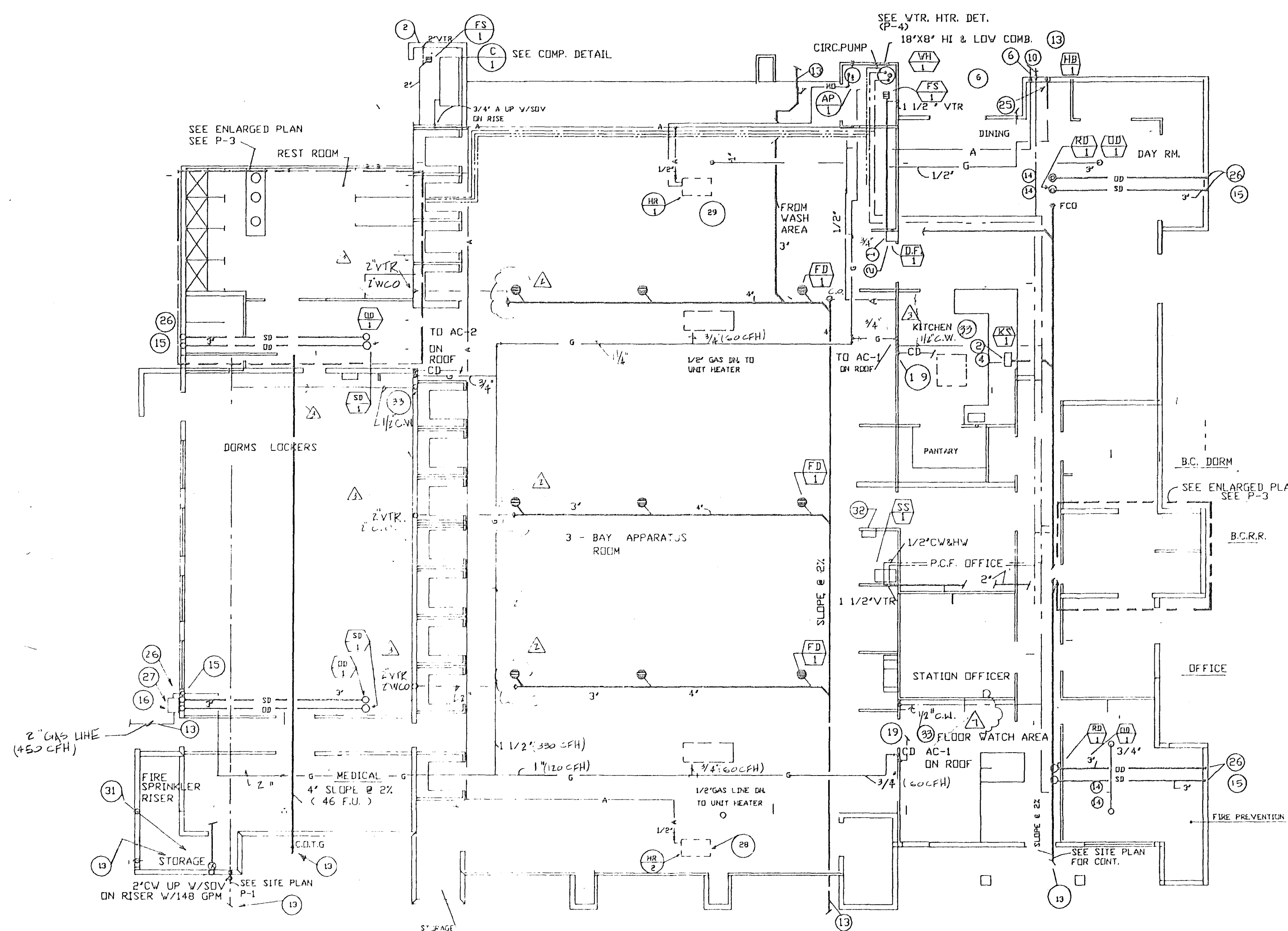
SERVICE		TYPE L COPPER	WROUGHT COPPER	200 PSI PVC DR21	RING TITE FITTING	CLASS 200-DR41L	PVC RING-TITE FITTING	SCH 40 BLACK STEEL	SCH 40 BLACK STEEL	SCH 40 BLACK STEEL	CAST IRON NO HUB	ME/ IDEAL JOINTS	VITRIFIED CLAY	COMPRESSION JOINTS	REMARKS
WATER	INSIDE														
WATER	OUTSIDE														
SANITARY DRAINAGE	INSIDE														
SANITARY VENT	INSIDE														
INDIRECT WASTE	INSIDE														
GAS	INSIDE														
GAS	OUTSIDE														
STORM DRAIN	INSIDE														
STORM DRAIN	OUTSIDE														
FIRE	INSIDE														
FIRE	OUTSIDE														
AIR MD															
FUEL OIL															DOUBLE WALL PIPE 1/2" PVC RG A SECOND LAYER

SYMBOL & ABBREVIATION		
SYMBOL	ABBREVIATION	DESCRIPTION
---	S or W	SOIL OR WASTE
---	V	VENT
---	CW	COLD WATER
---	HW	HOT WATER
---	HWR	HOT WRT. RETURN
---	G	GAS
---	FCO	FLOOR CLEANOUT
---	COT	CLEANOUT TO GRADE
---	WCO	WALL CLEANOUT
---	SOV	SHUTOFF VALVE
---	G.C.	GAS COCK
---	CHV	CHECK VALVE
---	P/TRV	PRESS./TEMP.RELIEF
---	H.B.	HOSE BIBB
---	WHA	WATER HAMMER ARRESTOR
---	A	COMP.AIR
---	SD	STORM DRAIN
---	OD	OVERFLOW DRAIN
---	FOS	FUEL OIL SUPPLY
---	FOR	FUEL OIL RETURN
---	MO	MOTOR OIL

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
ABV	ABOVE	FLR	FLOOR
A/C	AIR CONDITIONING	GR	GROUND
AP	ACCESS PANEL	GPH	GAL/PER HOUR
BEL	BELOW	GPM	GAL/PER MIN.
BR	BRANCH	PDC	POINT OF CONN.
CLG	Ceiling		
CFH	CUBIC FEET PER HOUR		
CONN.	CONNECT (ION)		
CONT	CONTINUE (ATION)		
DET.	DETAIL		
DN	DOWN		
DS	DOWNSPOUT		
EA	EACH		

EQUIPMENT SCHEDULE			
SYMBOL	EQUIPMENT	LOCATION	REMARKS
DD	DISPENSER	PARKING LOT	BENNETT UNIT NO.37250 3/4" HP 115V V/15-FOOT HOSE HIG. VOLUME NOZZLE OPW NO. 7 H. IV
RY	RAIN DIVERTER VALVE	(30-1)	1500 TECHAS SOLID ALUM. VALVE DETECTOR BY VALVE IN HAND INST. EQUIP. CO. TYPICAL VALVE TYPE
TK	UNLEADED GASOLINE TANK		JODR PLASTEEL TANK DOUBLE WALL 1000 GAL CAP. V/ POLLALERT HYDROCARBON LEAK DETECTOR.
TK	DIESEL FUEL TANK		SAME AS TK -1
C	AIR COMP.		INGERSOLL RAND 502 W/ 80 GAL. ASME TANK 5 HP, 145 PSI MIN. 985 RPM
HR	HOSE REEL	PARKING LOT	GROVER NO. 500 UG W/ BIBE NO. 708 F & AIR CHICK NO. 907, 25 FT. HOSE STOP NO. 1109-1
HR	HOSE REEL	APPARATUS AREA	GROVER MODEL NO. 2850F W/ AIR CHUCK NO. 907 60 FT HOSE(4720H) SINGLE UNIT MOUNTING RAIL 7201 A
HR	HOSE REEL	APPARATUS AREA	GROVER MODEL NO. 2850R & 2853J W/ AIR CHUCK NO. 907 OIL CONTROL 1048 DOUBLE UNIT HOSE 4720H & 1048 MOUNTING RAIL 7202 A.
AP	AIR PUMP	STORAGE ROOM	GROVER MODEL NO. 7641 3/4 RATIO W/ BUNG ADAPTOR TELESCOPING SUCTION TUBE
LD	LEAK DETECTION SYSTEM		1.16 DETECTION SYSTEM MODEL NO. 10002 SENSITIVE PROBE FOR 1/2" & 3/4" PIPING

PLUMBING FIXTURE SCHEDULE						DESCRIPTION
SYMBOL	FIXTURE	MIN.ROUGH IN. SIZES				
		S OR W	VENT	CW	HW	
	WATER CLOSET	4"	2"	1"		A.S. AF WALL TOILET NO. 2477.016 SLIDAN 110-3 FLUSH VALVE OLSONITE 95 TOILET SEAT JR. SMITH CARRIER
	URINAL	2"	1 1/2"	3/4"		A.S. WASHBROOK URINAL NO.6501.010 SLIDAN 186 FLUSH VALVE JR. SMITH CARRIER
	LAVATORY	2"	1-1/2"	1/2"	1/2"	A.S. "AQUALYN" NO.0475.020 W/ELKAY FAUCET 4417 LA PATTERN "P" TRAP.
	SHOWER	2"	1-1/2"	1/2"	1/2"	ELKAY NOLKH 2542 W/ JR SMITH DRAIN NO. 2005A
	SERVICE SINK	2"	1-1/2"	1/2"	1/2"	A.S. SERVICE SINK NO.7692.023 SINKBOARD NO.8379.018 FAUCET NO. 8344.111 TRAP NO. 7798.044
	SINK	2"	1-1/2"	1/2"	1/2"	ELKAY NO.8LR 3321 FAUCET LK 4100 LK 35 & INSINKERATOR # 77 GARBAGE DISPOSER 1/2 HP-115 V.
	FLOOR DRAIN	2"	1-1/2"			JR SMITH FIG.0005AP POLISHED BRONZE STRAINER
	FLOOR DRAIN	4"				JR SMITH FIG.21425 M
	HOSE BIBB					ACORN FIG. 8121 VB.
	HOSE BIBB			1"	1"	HOT & CW HYDRANT W/ VACUUM BREAKER
	TRAP PRIMER					JR. SMITH TRAP PRIMER ,CONN. TO TAIL PIECE OF LAVATORY.
	WATER HEATER					AMERICAN MA-104 -T6 TANK CAP. 100 GAL. 82,000 BTU INPUT 74.0 REC. G.P.H. @ 100 RISE
	OVERFLOW DRAIN					JR SMITH FIG 1010 YCR FOR RD-1
	ROOF DRAIN					1080 YCR FOR DD-1
	SAND & GREASE TRAP	4"	2"	—	—	M.D. NOTINGHAM 750 GAL CAPACITY W/ DOUBLE BAFFLE SET FLUSH TO GRADE IN SIDEWALK
	ELECTRIC WTR. COOLER	2"	1 1/2"	1/2"	—	ELKAY EHF-8 115 V. 1.60, 1/5 7.6 GAL/HR.



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

PLUMBING PLAN NOTES:

- 1 1/2" CV DN. TO FIXTURE
- 2 1 1/2" V UP, 2" V. DN.
- 3 2" V UP, 4" S DN.
- 4 1/2" H & CV DN. TO FIXTURE
- 5 1/2" A DN. TO 4B' TERMINATE W/ QUICK CONNECT COUPLER
- 6 1/2" A DN. TO BEL FLR.
- 7 1 1/2" CV DN. TO FIXTURE W/ LINE SIZE SOV IN DROP AND ACCESS PANEL.
- 8 3/4" G. DN. IN WALL TO BEL FLR PROVIDE PIPE SLEEVE AND VTR.
- 9 1 1/4" CV DN. TERMINATE W/ SOV AND TREADED BEND FOR APPARATUS FILL UP/
- 10 3/4" CV DN. TO HB -1.
- 11 1 1/2" HV & CV DN. IN WALL TO BEL FLR.
- 12 3/4" H & CV DN. IN WALL TO BEL FLR.
- 13 FOR CONT. SEE P-1.
- 14 3" SD 3/4" OD DN. FROM RD-1 & DD-1 ON ROOF.
- 15 3" OD DN. TERMINATE 2' ABV. FIN. GRADE AND SPILL ON TO SPLASH BLOCK.
- 16 1 1/2" G UP W/ LINE SIZE SOV IN RISE AND INTO BLDG.
- 17 2" CV UP TO 12" ABV FIN. GRADE W/ LINE SIZE SOV IN RISE AND INTO BLDG.
- 18 2" TANK VENT UP TO ABV. ROOF TERMINATE W/ APPROVED FLASH ARRESTOR.
- 19 3/4" G. DN. TO EQUIP. W/ LINE SIZE GSOV BEFORE CONN.
- 20 2" VTR.
- 21 1 1/2" CV DN. TO BEL FLR.
- 22 1 1/2" VTR., 2" S DN.
- 23 3/4" HCV DN. IN THE WALL
- 24 1 1/4" SLEEVE VENT TO ROOF TERMINATE W/ BUG. SCREEN
- 25 1/2" GAS LINE TO BBQ. AREA (TUB-OUT)
- 26 FOR DD. & SD. CONT. REFER TO CIVIL DWGS.
- 27 GAS METER LOCATION TO BE COORDINATED W/ GAS CO.
- 28 1/2" CA CONN TO HOSE REEL
- 29 3/4" HD & 1/2" A TO HOSE REEL
- 30 7/8" CD FROM AC. TO PLUMB. FIX. TAILPIPE
- 31 FIRE SPRINKLER RISER (SEE SPRINKLER SPEC. FOR DESIGN & LAYOUT)
- 32 TX-1 & TX-2 LEAK DETECTOR MOUNTING
- 33 WINE RISE TO ROOF IN BFP

GENERAL NOTES

BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, ELEVATION AND CHARACTERISTIC OF ALL UTILITIES AND PIPING AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.

SEE ARCHITECTURAL DRAWINGS FOR HANDICAP FIXTURE LOCATION AND MOUNTING HEIGHTS. < INSULATE ALL EXPOSED HOT WATER AND DRAIN PIPING BELOW HANDICAP LAVATORIES AND SINK WITH ARMSTRONG'S ARMORFLEX OR EQ

EXACT LOCATION AND MOUNTING HEIGHT OF PLUMBING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS.

THE CONTRACTOR SHALL MAKE ALL ARRANGEMENT WITH UTILITY COMPANIES FOR SERVICE AND CONNECTION, PAY ALL FEES AND MAKE APPLICATION FOR SERVICE IN THE NAME OF OWNER.

COORDINATE LOCATION OF GAS, WATER AND OR CONDENSATE CONNECTION ON AIR CONDITIONING UNITS WITH MECHANICAL CONTRACTOR FOR ROOF PENETRATIONS LOCATIONS PRIOR TO INSTALLATION

ALL HORIZONTAL PIPING LINES EXTENDED AND CONNECTED TO EQUIP. SHALL BE RUN AT HIGHEST POSSIBLE ELEVATION AND NOT LESS THAN SIX INCHES ABOVE THE FLOOR TO PROVIDE CLEARANCE FOR CLEANING.

VENTS THROUGH ROOF SHALL BE INSTALLED 10'-0" FROM ANY FRESH AIR INTAKE

ALL PIPING EXPOSURE ON ROOF SHALL BE NAILED TO 2"x4" REDWOOD BLOCKING WITH PIPE STRAPS.

GASOLINE TRANSFER AND DISPENSING SYSTEM SHALL BE INSTALLED COMPLETE INCLUDING AN APPROVED VAPOR RECOVERY SYSTEM. THE CONTRACTOR SHALL MAKE APPLICATION, SUBMIT PLANS, AND PAY FEES FOR PERMIT FROM SOUTH AIR QUALITY MANAGEMENT DISTRICT.

PLUMBING-FLOOR PLAN

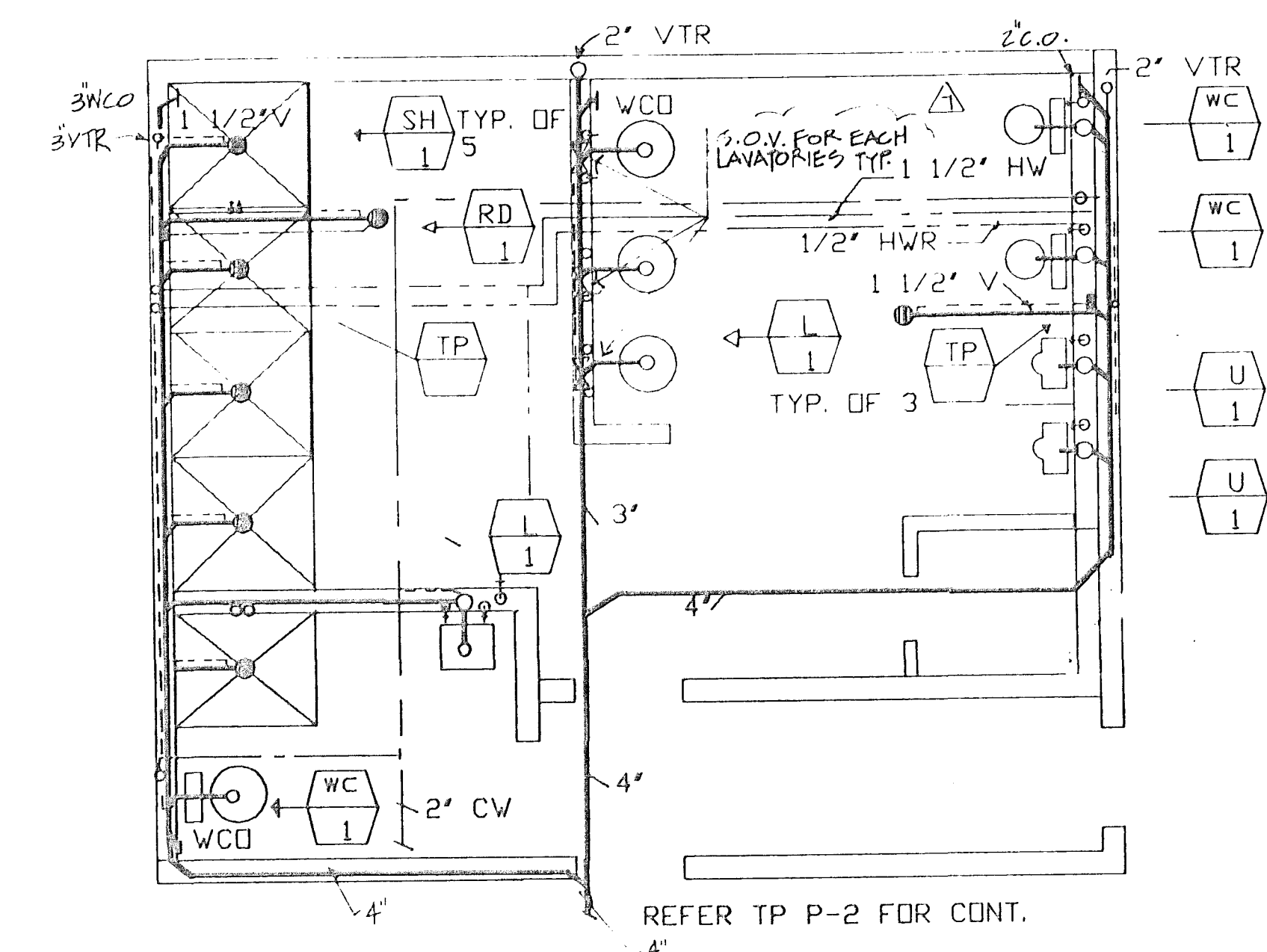
SANTA MARGARITA FIRE STATION #45

SANTA MARGARITA, CA

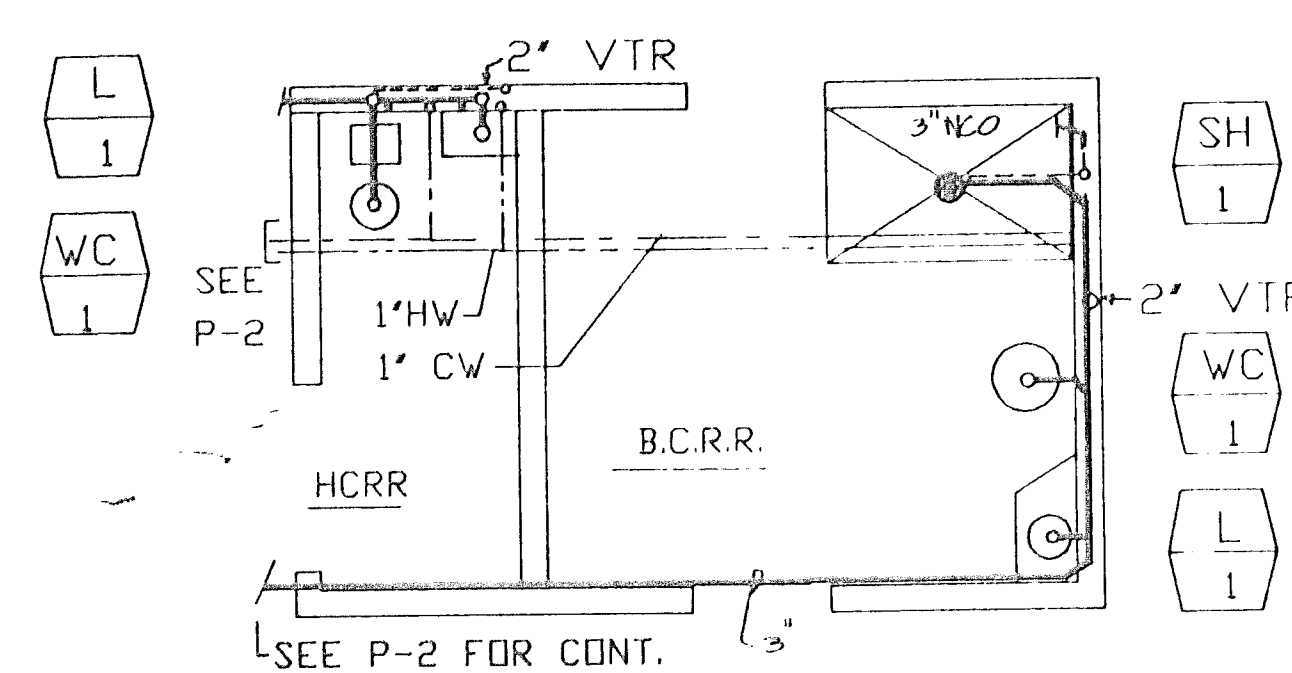
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Designer S.H.
Date 11-1-89 AS-BUILT
Scale _____

Revisions	By	Date
1. OWNER REV	SH	7/2/89
2. OWNER REV	SH	10/10/89
3. OWNER REV	SH	11/2/89

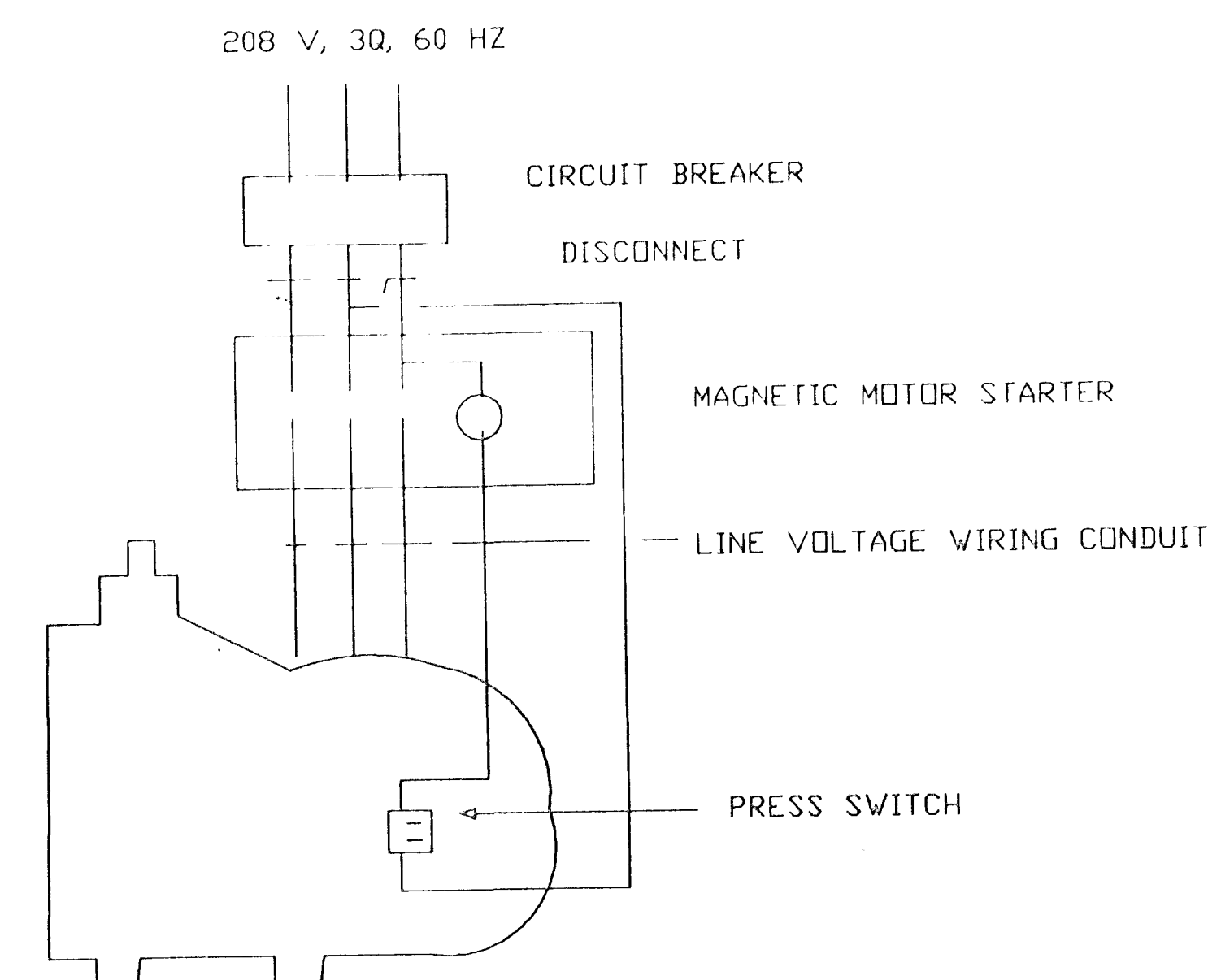
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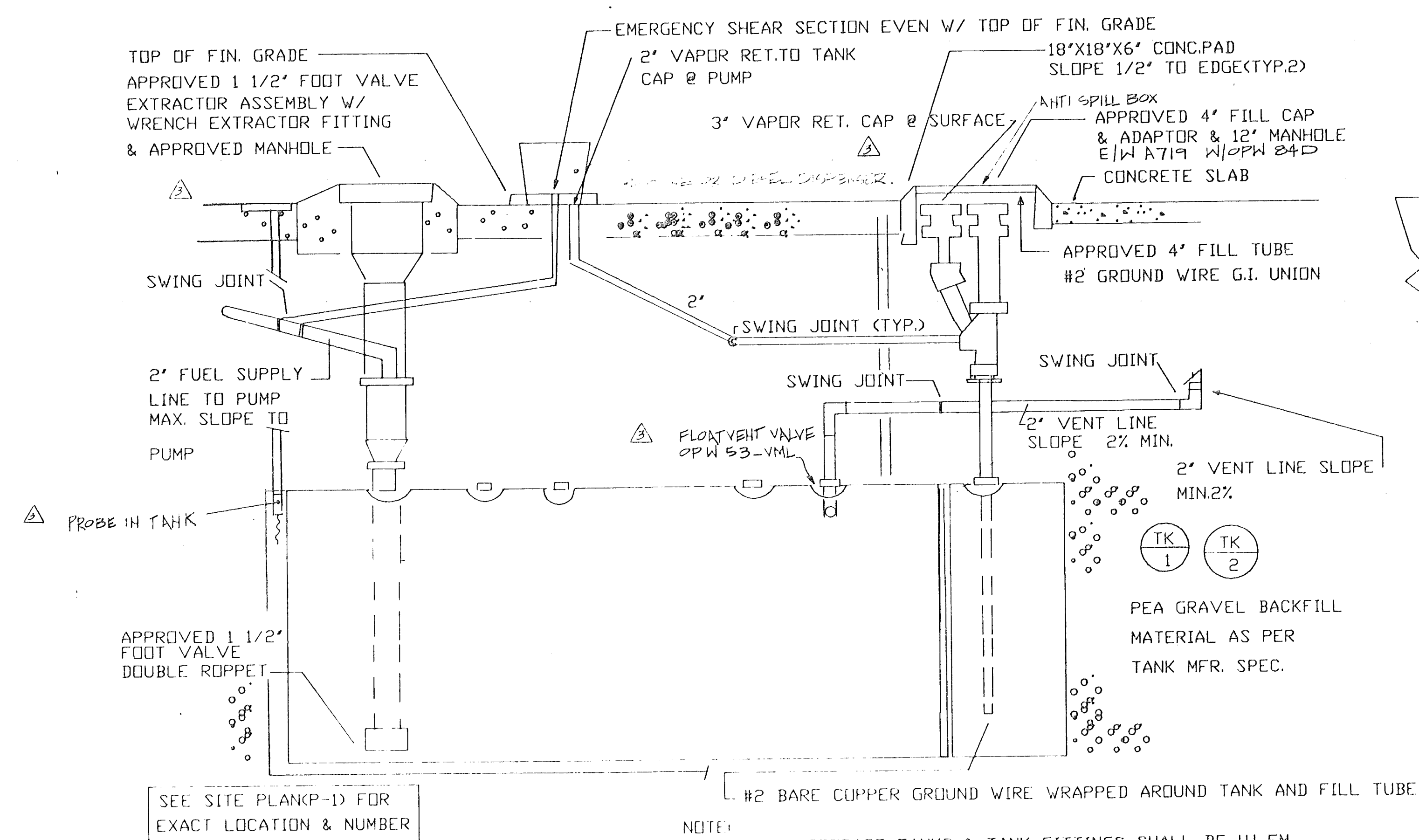
BATHROOM PLAN



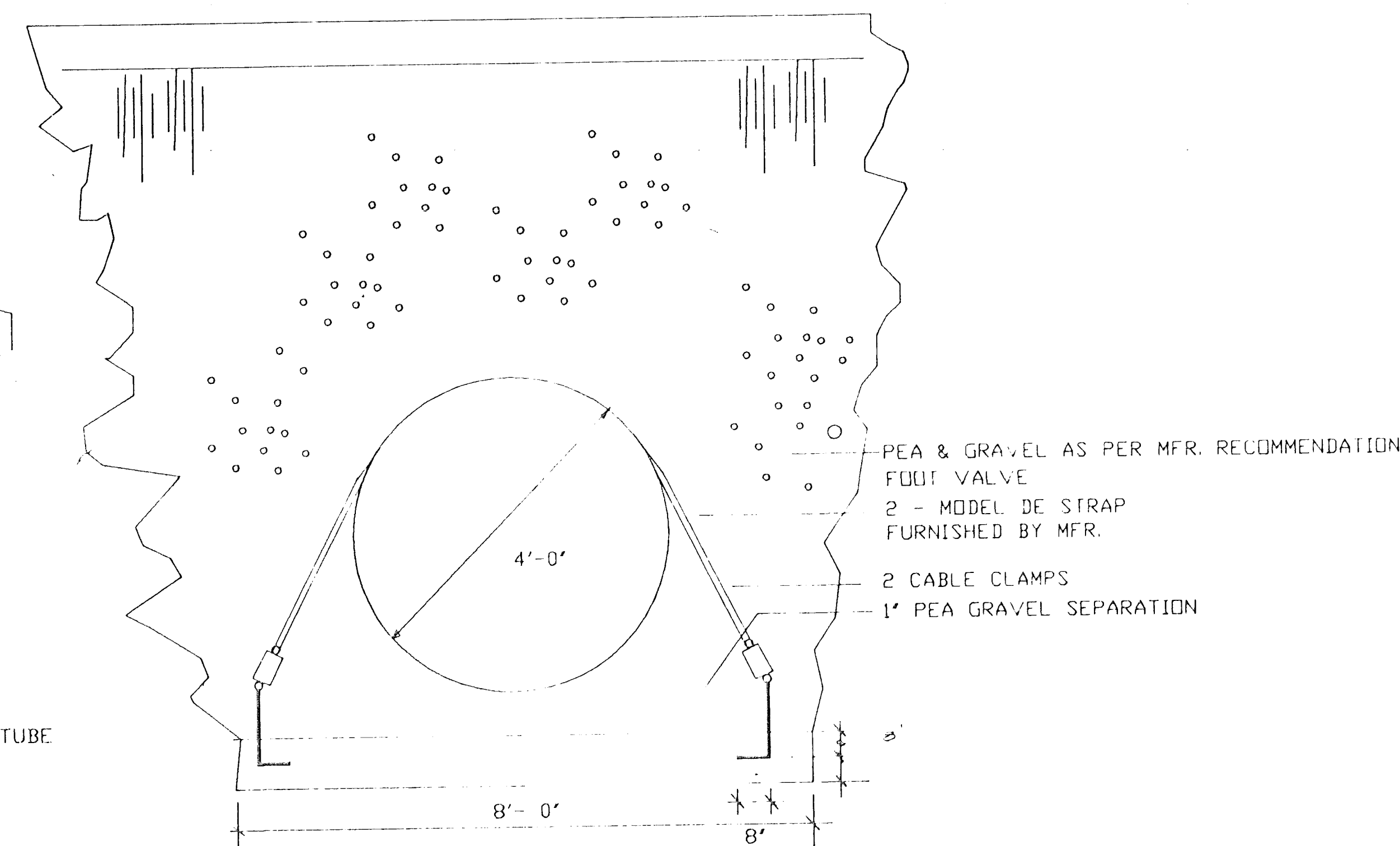
RESTROOM PLAN



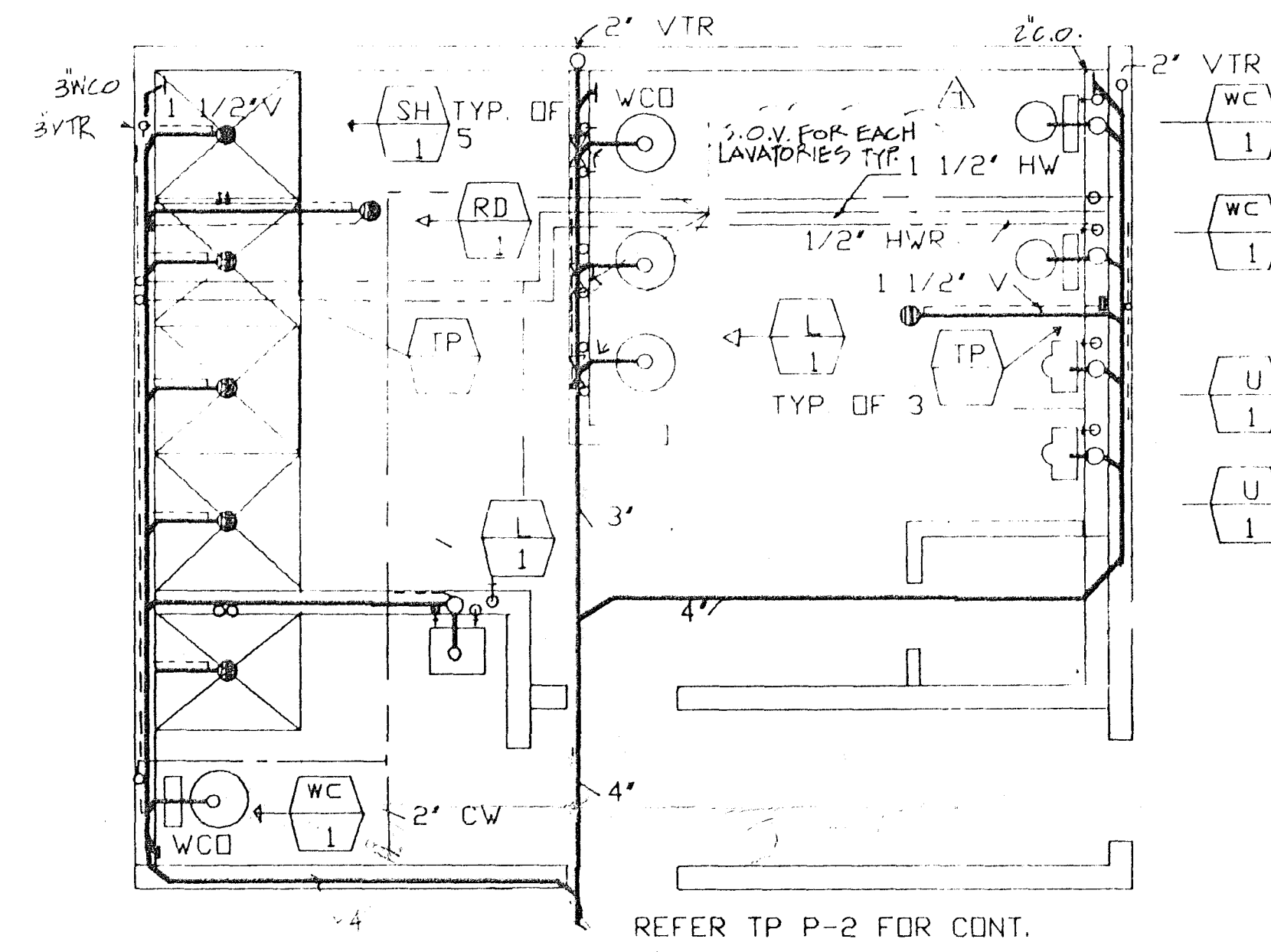
AIR COMPRESSOR



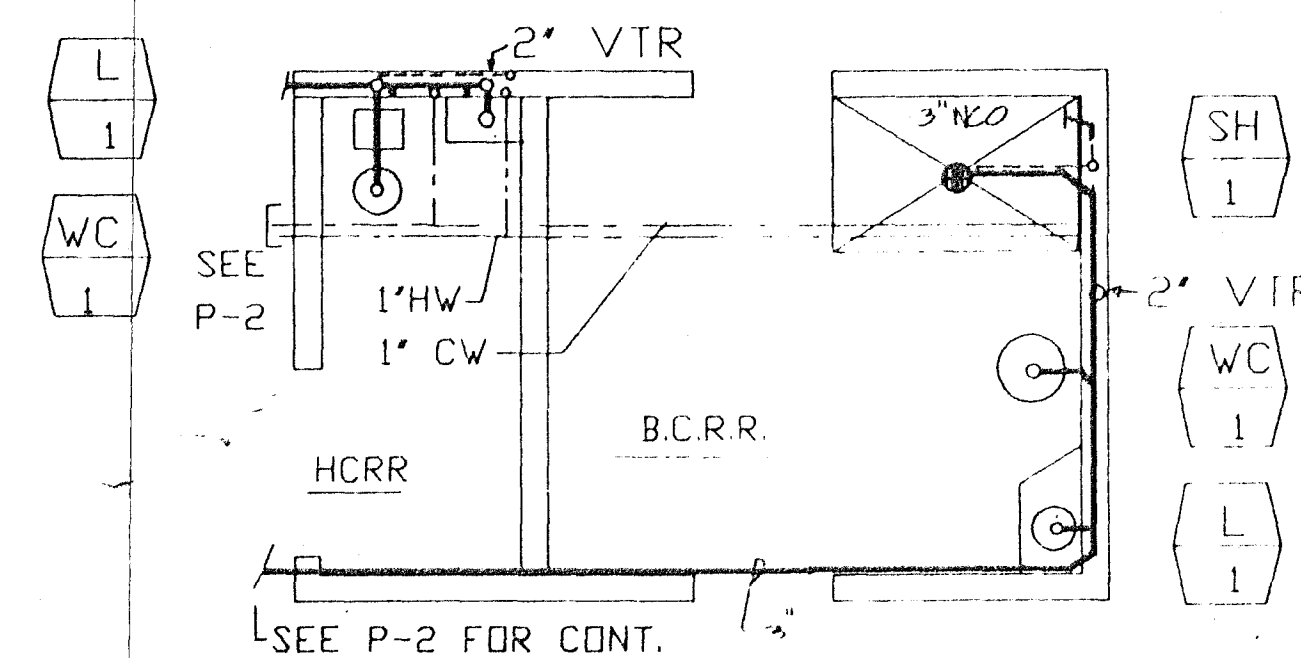
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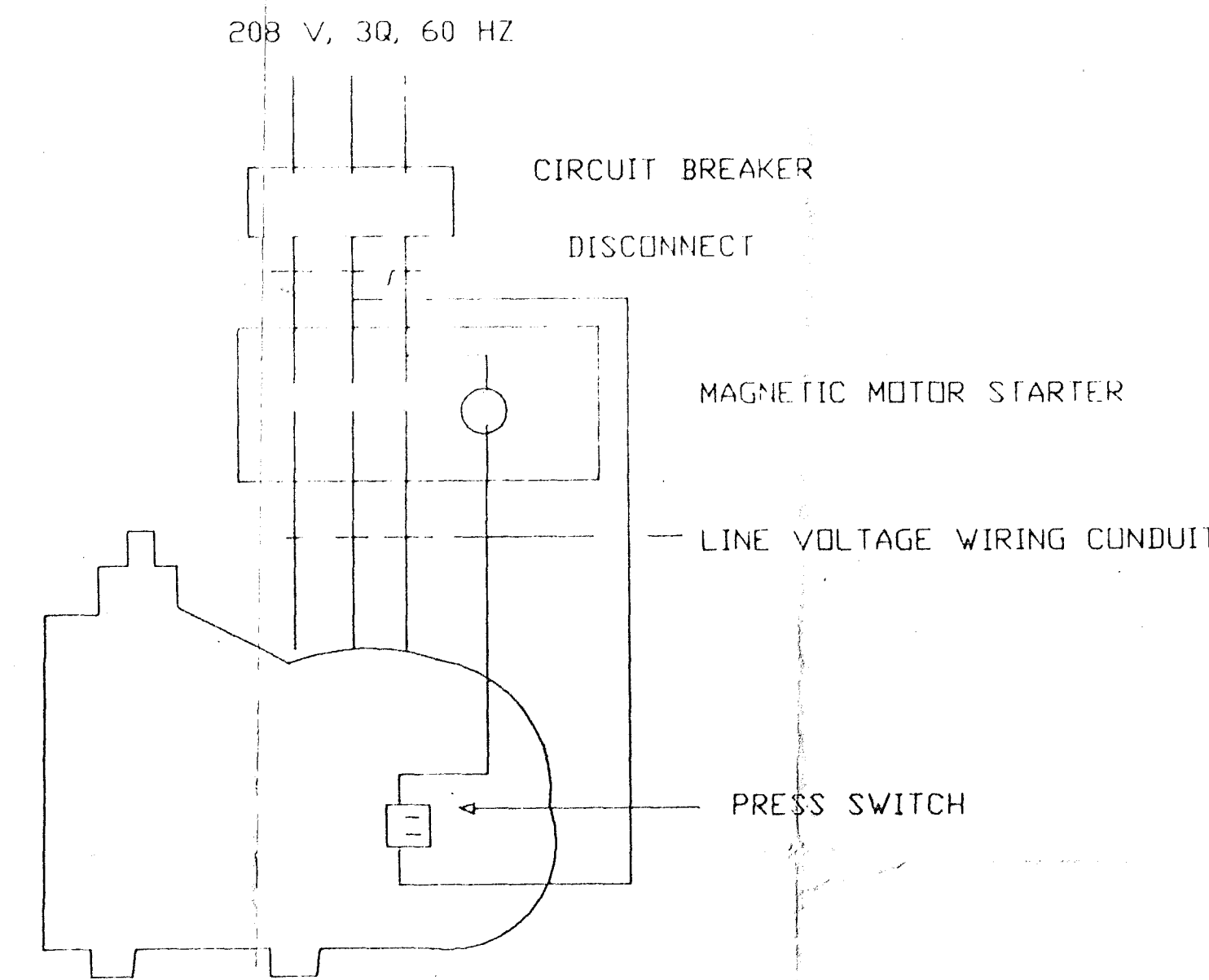
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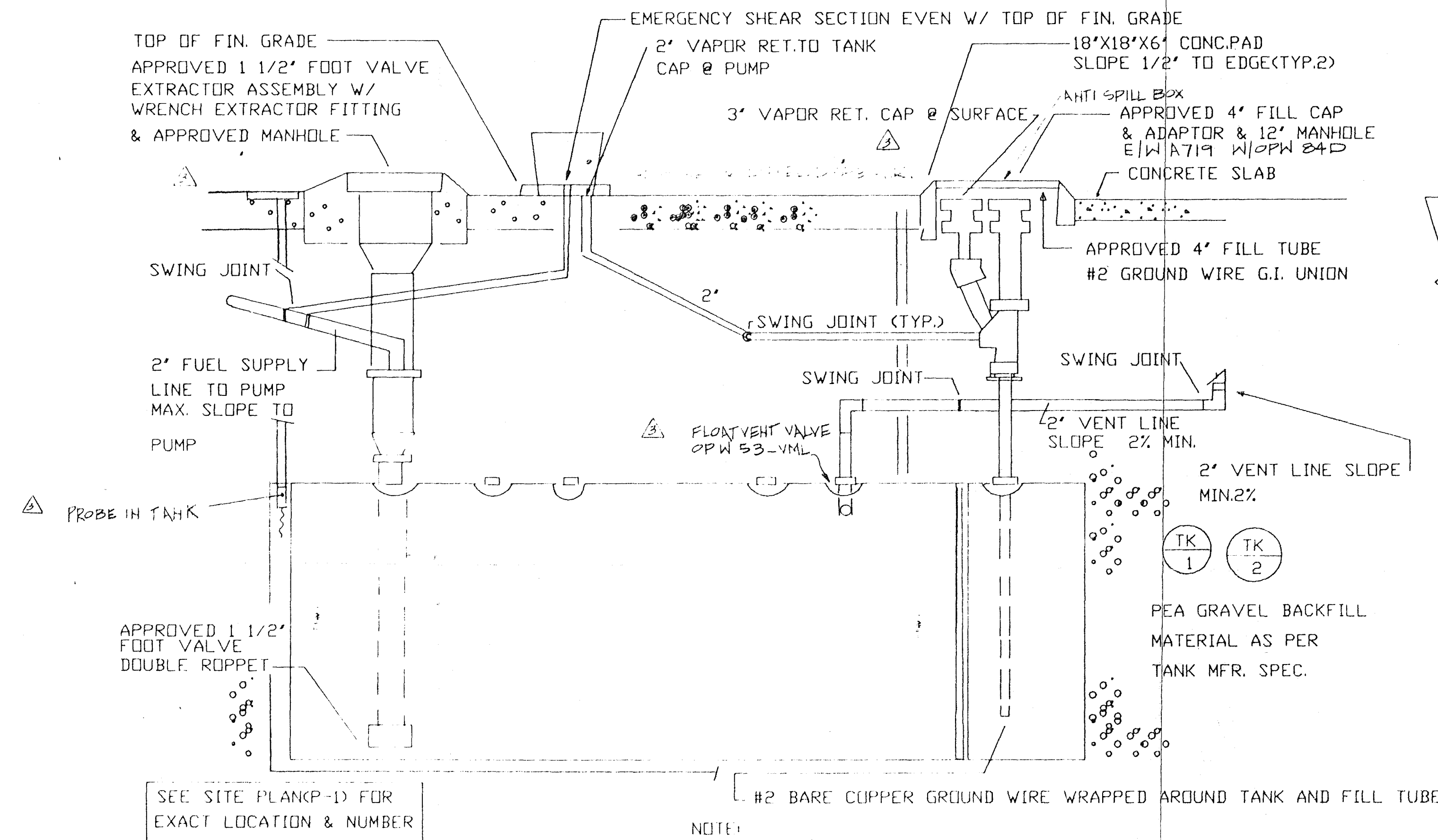
BATHROOM PLAN



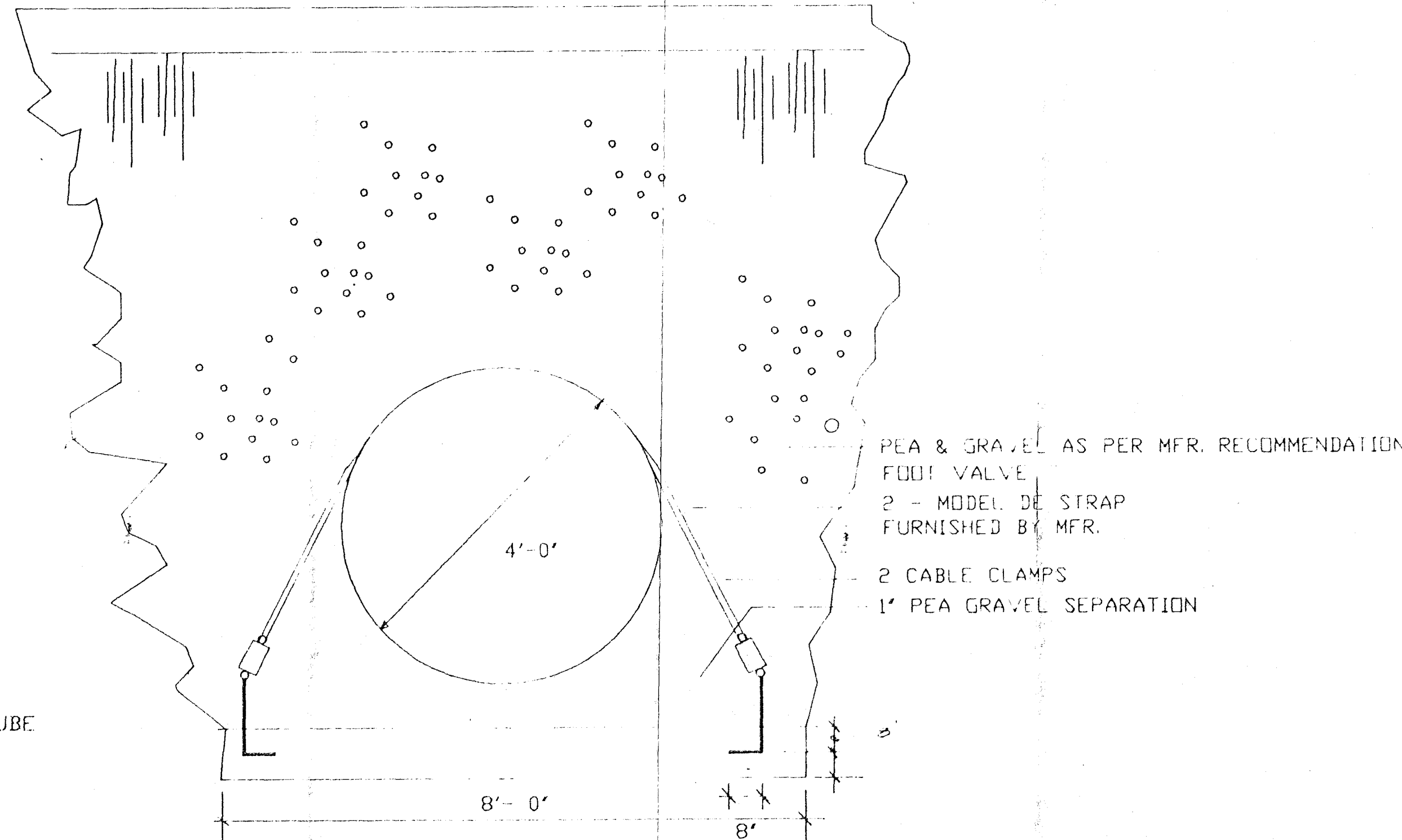
RESTROOM PLAN



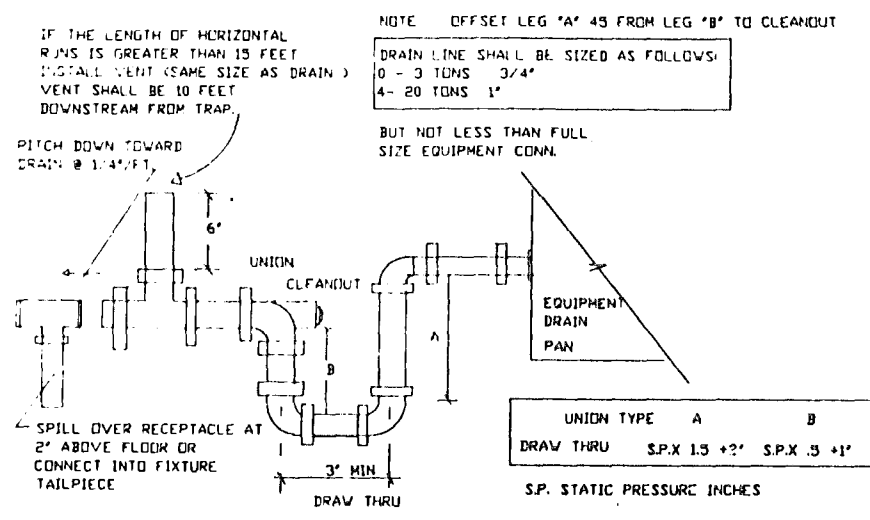
AIR COMPRESSOR



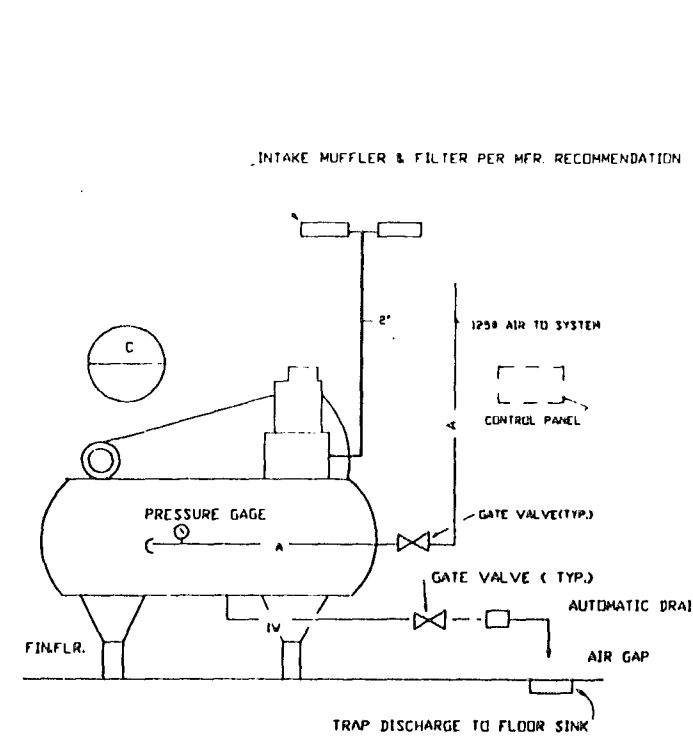
TYPICAL FUEL STORAGE TANK DETAIL



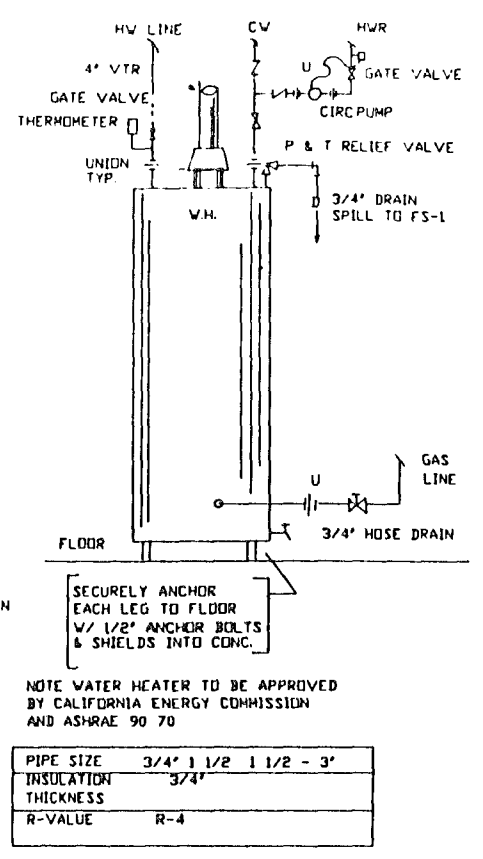
TANK HOLED DOWNSTRAP DETAIL



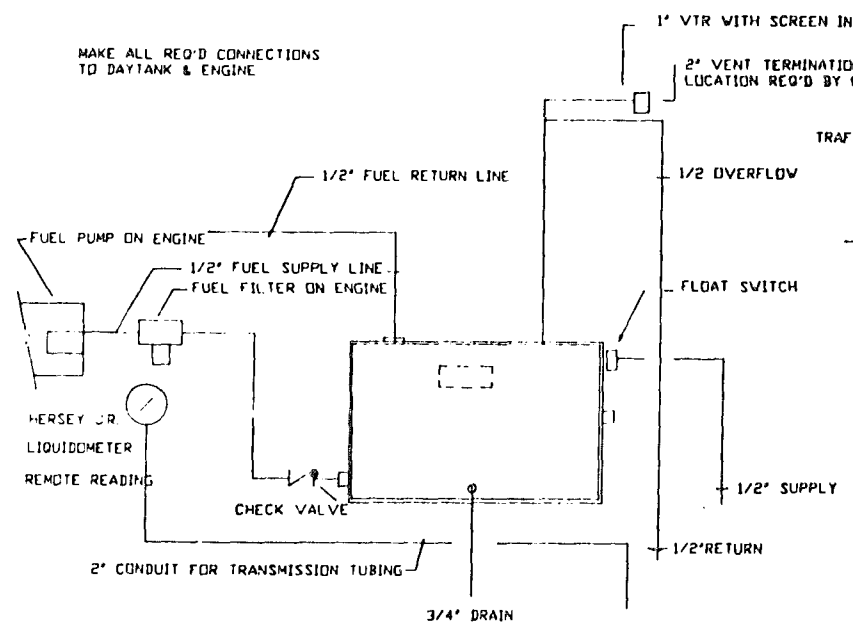
A/C UNIT CONDENSATE DRAIN & TRAP



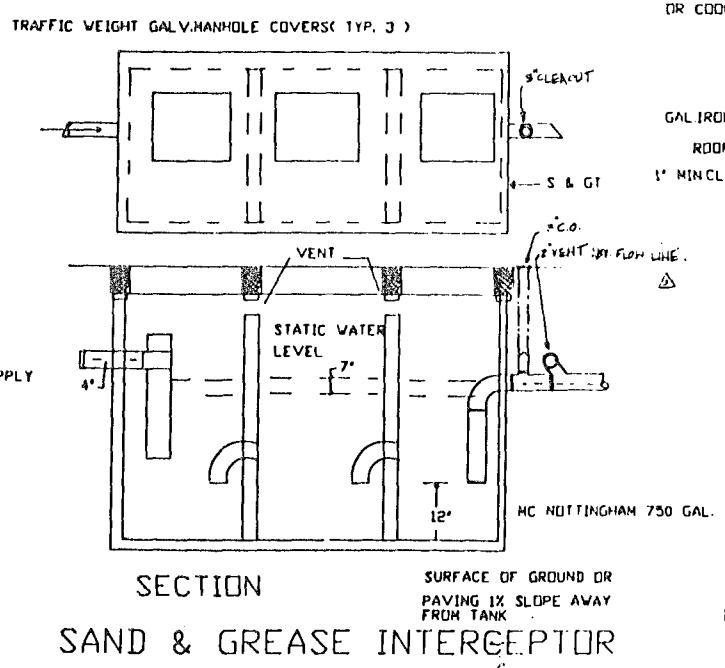
AIR COMPRESSOR DETAIL



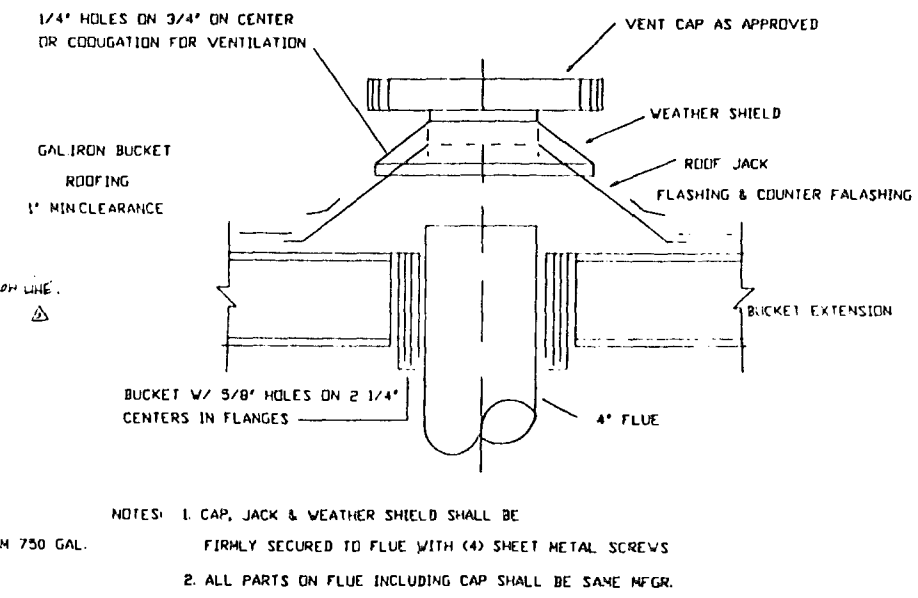
WATER HEATER DETAIL



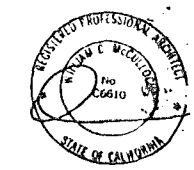
DAY TANK DETAIL



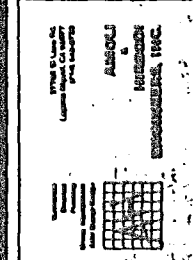
SECTION SAND & GREASE INTERCEPTOR



FLUE THRU ROOF DETAIL



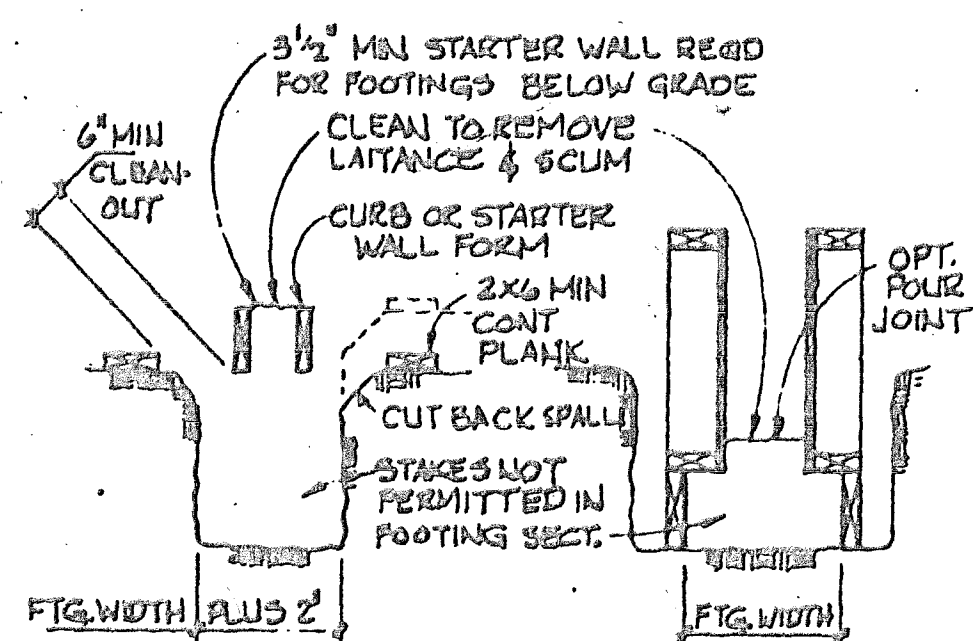
MECH-LOG PREPARED BY



SANTA MARGARITA FIRE STATION #45
 SANTA MARGARITA, CA

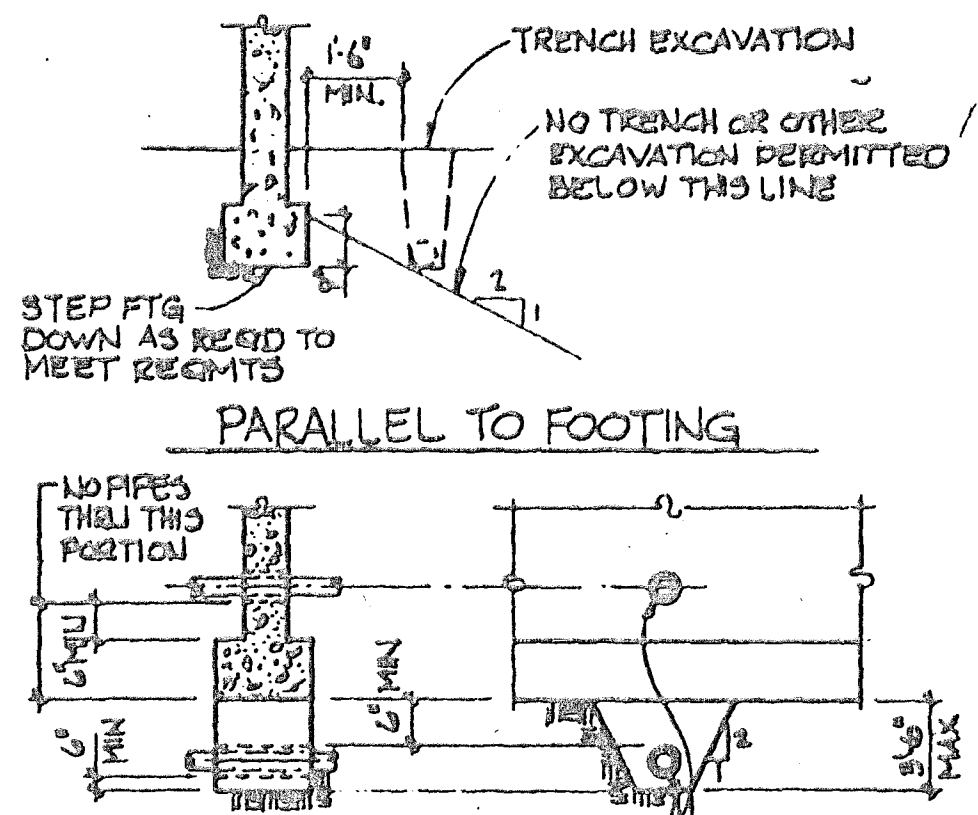
Project No. _____
 Designer S.H.
 Drawn By _____
 Date 8-12-85
 Scale _____
 Revisions _____
 Sheet P-4

90159-60 #



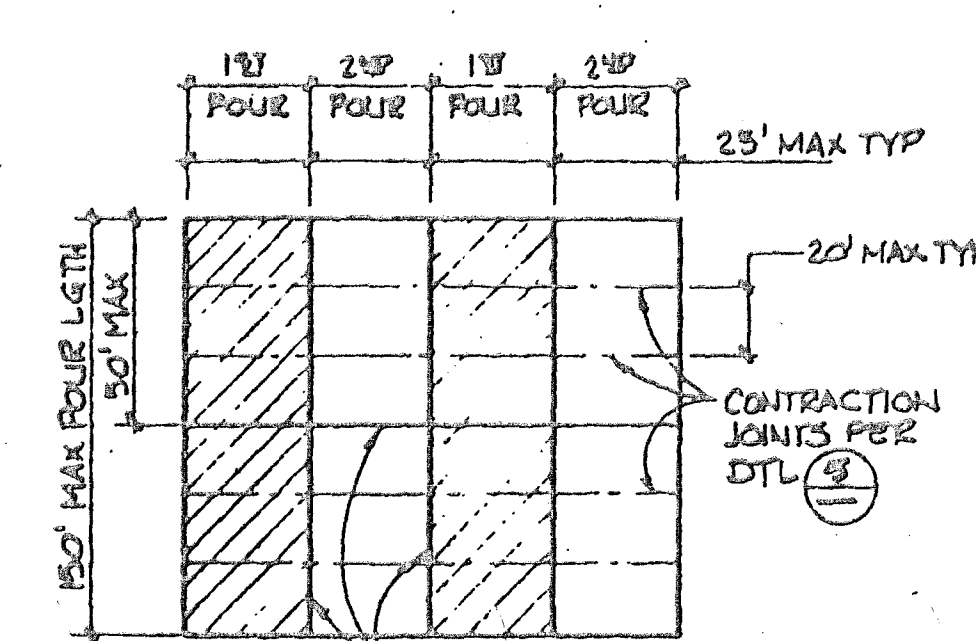
MIN. FORMWORK - FULLY FORMED
 NOTES: 1. NO FORMWORK PERMITTED BELOW GRADE UNLESS FULLY FORMED.
 2. UNFORMED FOOTING DETAIL MAY BE USED PROVIDED TRENCH IS STABLE & APPROVED BY STRUCT. ENGR.
 3. STARTER WALL IS REQUIRED FOR ALL CONC. & MASONRY WALLS.
 4. SOLID FORM LUMBER MAY BE USED IN UNEXPOSED CONSTRUCTION IF IN GOOD SOUND CONDITION.
 5. ALL NAIL, BOLT, NUT, STU, INSERTS, ETC., SHALL BE FINELY TIED IN PLACE PRIOR TO PLACING CONC.

FOUNDATION FORMWORK (1)



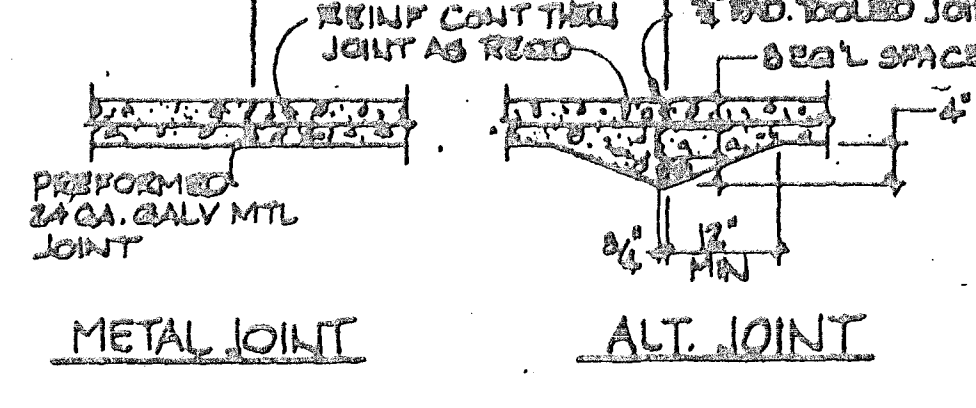
PIPE SLEEVES 2\"/>

PIPE & TRENCH DETAIL (2)

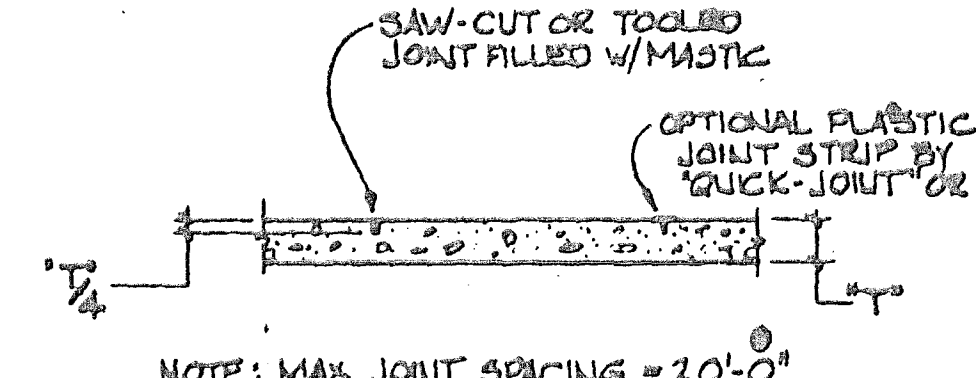


NOTES: 1. POUR SLAB IN ALTERNATE BAYS AS SHOWN.
 2. ALLOW 24 HOURS MIN. BETWEEN POURS.
 3. IF DESIRED, CONTRACTOR MAY POUR SLAB IN CHECKERBOARD PATTERN. MAXIMUM POUR SIZE SHALL BE 40'-0\"/>

SLAB ON GARDE PLACING (3)

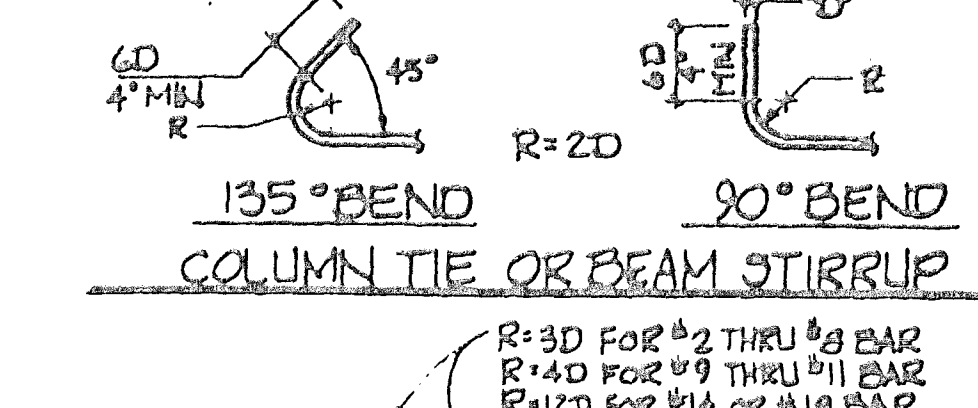


TYP. POUR JOINT (4)



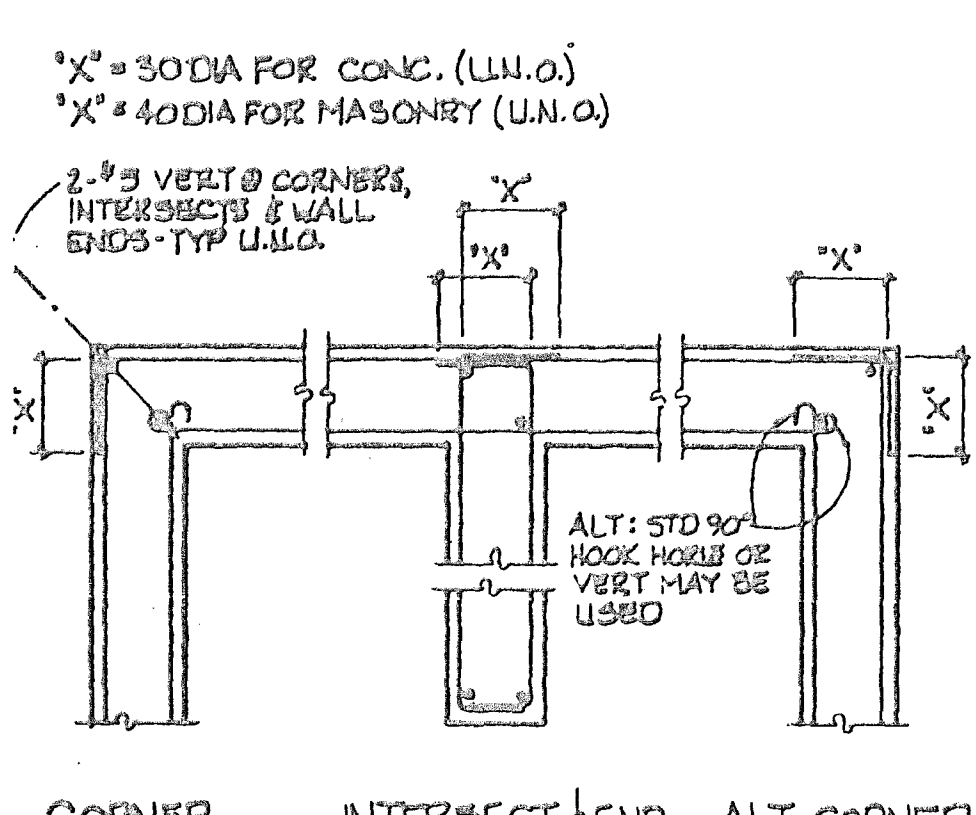
NOTE: MAX JOINT SPACING = 10'-0\"/>

TYP. CONTRACTION JOINT (5)



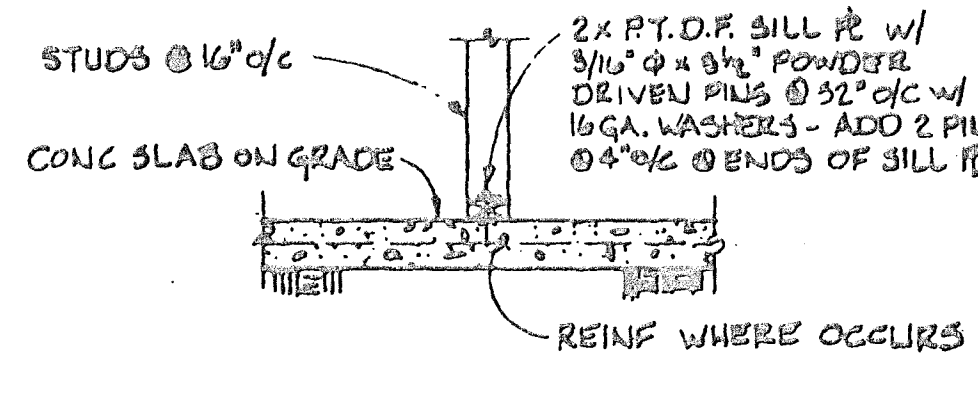
REINFORCING STEEL DETAILS (6)

- GENERAL**
1. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT JOB SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING AND SHORING ALL EXCAVATIONS, TEMPORARY STRUCTURES, AND PARTIALLY COMPLETED PORTIONS OF THE WORK.
 2. ALL CONDITIONS NOT SPECIFICALLY SHOWN OR DETAILED SHALL BE OF THE SAME TYPE AND CHARACTER AS THOSE SHOWN FOR SIMILAR CONDITIONS.
 3. ALL WORK AND MATERIAL SHALL CONFORM TO THE UNIFORM BUILDING CODE (LATEST ADOPTED EDITION) AND ALL LOCAL CODES.
 4. THE STRUCTURAL DRAWINGS SHALL BE CO-ORDINATED WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
 5. NOTIFY THE STRUCTURAL ENGINEER 24 HOURS PRIOR TO PLACING CONCRETE OR COVERING WOOD FRAMING, PLYWOOD SHEAR WALLS, OR PLYWOOD ROOF OR FLOOR SHEATHING.
- FOUNDATIONS**
1. FOOTINGS SHALL REST ON FIRM UNDISTURBED OR COMPACTED SOIL AT A MINIMUM DEPTH BELOW FINISH GRADE OR NATURAL GRADE AS SHOWN ON DRAWINGS.
 2. ALLOWABLE SOIL BEARING VALUES ARE BASED ON SOIL REPORT PREPARED BY "GOTTFRID & SONCKEN, INC." (LAWRENCE, CALIF. 94553 TEL. 408-1000)
- CONCRETE**
1. ALL CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS AS FOLLOWS: 2500 PSI.
 2. CEMENT SHALL CONFORM TO ASTM C 150 AND AGGREGATE SHALL CONFORM TO ASTM C 33.
 3. MIX DESIGNS FOR COMPRESSIVE STRENGTHS GREATER THAN 2000 PSI SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER PRIOR TO USE.
 4. CONSTRUCTION JOINTS FOR SLABS ON GRADE SHALL BE MADE AS SHOWN ON DRAWINGS OR AS APPROVED BY THE ARCHITECT.
- REINFORCING STEEL**
1. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60 FOR #5 BARS & SMALLER, GRADE 60 FOR #5 BARS & LARGER. ALL REINFORCING SHALL BE FROM IDENTIFIED STOCK WITH MILL ANALYSIS SUPPLIED.
 2. ALL REINFORCING STEEL, DOVELS, ANCHOR BOLTS, ETC., SHALL BE WELL SECURED IN PLACE PRIOR TO PLACING CONCRETE. CONTRACTOR SHALL USE TEMPLATES TO INSURE ACCURATE PLACEMENT OF ANCHOR BOLTS, DOVELS, ETC.
 3. DOVELS SHALL BE PROVIDED AT POUR AND CONSTRUCTION JOINTS AND SHALL BE THE SAME SIZE AND SPACING AS THE REINFORCING SHOWN FOR THE SUBSEQUENT CONSTRUCTION.
 4. ALL CONTINUOUS BARS OR DOVELS SHALL LAP 30 DIAMETERS IN CONCRETE AND 40 DIAMETERS IN MASONRY, UNLESS SHOWN OTHERWISE.
 5. REINFORCING SHALL HAVE THE FOLLOWING MINIMUM COVER:
 - A. CONCRETE AGAINST EARTH NOT COVERED
 - B. CONCRETE AGAINST EARTH FORMED ON TOWERED
 - C. SLAB ON GRADE
 - D. WALLS AND CURBS
- STRUCTURAL STEEL**
1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 6 AND SHALL BE FABRICATED ACCORDING TO THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
 2. STRUCTURAL SHAPES, PLATES, BARS, SHALL CONFORM TO ASTM A 36.
 3. PIPE COLUMNS SHALL CONFORM TO ASTM A 53, GRADE B, TYPE E OR S.
 4. TUBE MEMBERS SHALL CONFORM TO ASTM A 500, GRADE B.
 5. ALL WELDING SHALL BE DONE USING THE SHIELDED ELECTRIC ARC PROCESS BY CERTIFIED WELDERS USING APPROVED E70XX ELECTRODES.
 6. CONTINUOUS INSPECTION IS REQUIRED FOR ALL FIELD WELDING.
 7. BOLTS SHALL CONFORM TO ASTM A 307 UNLESS NOTED OTHERWISE.
- WOOD**
1. ALL WOOD MEMBERS SHALL BE DOUGLAS FIR-LARCH CONFORMING TO THE WEST COAST LUMBER INSPECTION BUREAU STANDARD GRADING RULES No. 16, OR AS SPECIFIED ON THE DRAWINGS. EACH PIECE OF LUMBER SHALL BE GRADE MARKED. MINIMUM ALLOWABLE GRADES ARE AS FOLLOWS:
 - 2 x 4 STUDS, BLOCKING, ETC., CONSTRUCTION GRADE OR No. 2
 - 2 x JOIST, BLOCKING, ETC., CONSTRUCTION GRADE OR No. 2
 - 2 x JOIST AND RAFTERS, No. 2
 2. ALL PLATES AND SILLS BEARING ON CONCRETE SHALL BE PRESURE TREATED DOUGLAS FIR.
 3. ALL PLYWOOD SHALL BE MANUFACTURED WITH EXTERIOR GLUE AND SHALL CONFORM TO U.S. PRODUCT STANDARD PS 1-74. PANELS SHALL CONFORM TO THE GRADES SPECIFIED ON THE DRAWINGS. PANELS EXPOSED TO WEATHER SHALL BE EXTERIOR GRADE. ALL PLYWOOD SHALL BEAR THE GRADE-MARKING OF THE AMERICAN PLYWOOD ASSOCIATION.
 4. PLYWOOD NAILS MAY BE SUBSTITUTED FOR COMMON NAILS AS FOLLOWS:
 - 10D COMMON: USE 10D PLYWOOD NAILS, 96A X 2-1/8\"/>
 5. NAILING SHALL BE WITH COMMON NAILS AND SHALL CONFORM TO THE UNIFORM BUILDING CODE NAILING SCHEDULE.
 6. SHEET METAL HANGERS, TIES, ANCHORS, ETC., SHALL BE BY THE SIMPSON STRONG-TIE COMPANY OR APPROVED EQUAL. ALL HANGERS, TIES, ANCHORS, ETC., SHALL BE INSTALLED WITH A FULL COMPLIMENT OF NAILS, BOLTS, ETC., UNLESS NOTED OTHERWISE ON PLANS.
 7. THE USE OF MACHINE APPLIED NAILING IS SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER.



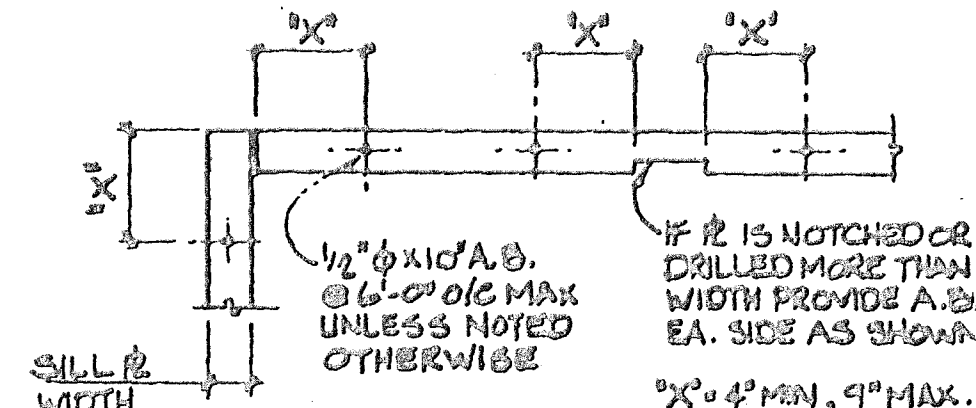
CORNER, INTERSECT & END, ALT. CORNER

DOUBLE CURTAIN REINFORCING

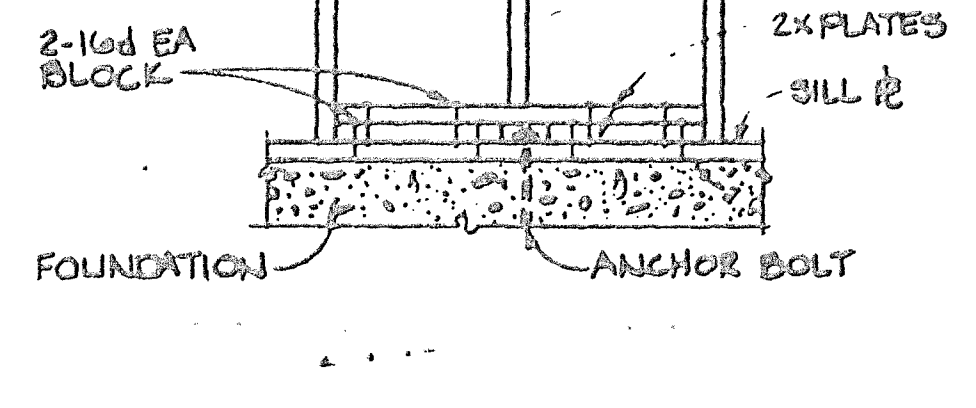


NON-BEARING PARTITION (8)

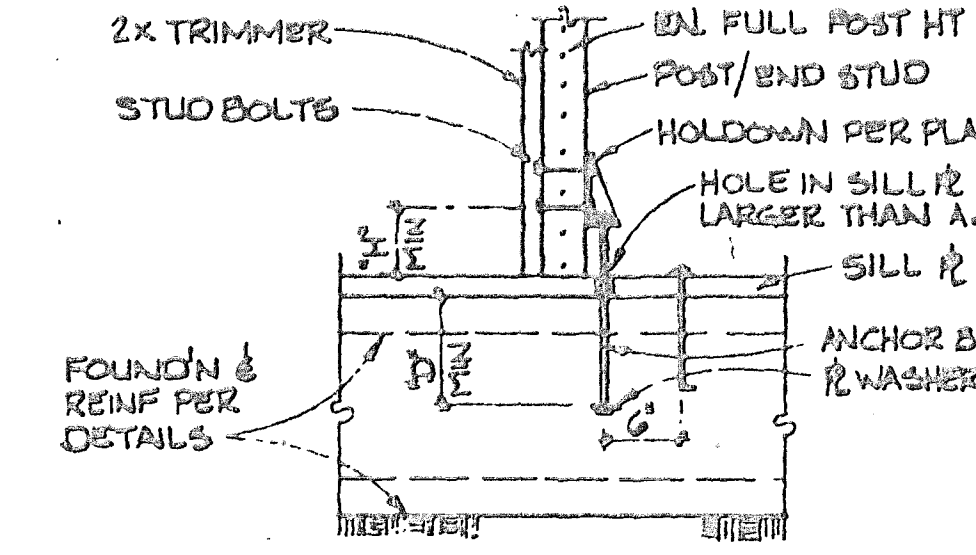
1. MAX. SPACING OF EX. JOINTS = 30'-0\"/>



SILL PLATE DETAILS (10)



\"HD\" HOLDOWN ANCHORS (11)



CEILING JOIST FRMG. (12)

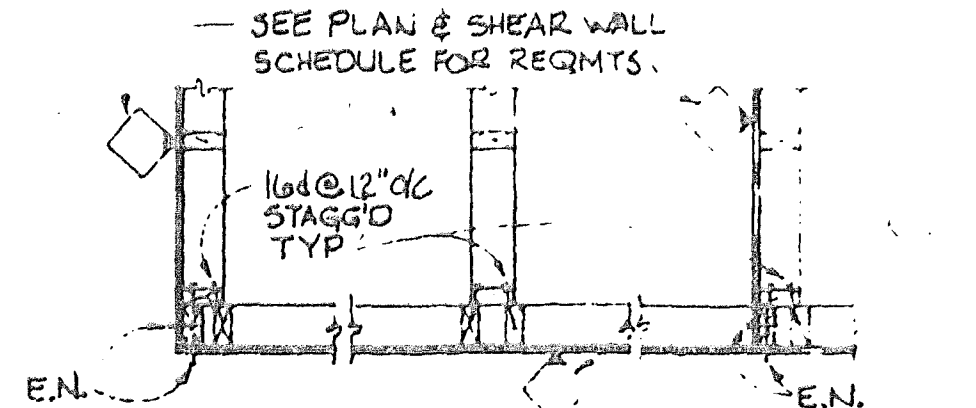
HD3	5 1/2"	11"	3/16" x 1/2"	1/8" x 3/4" SQ	2-3/16" x 1/2"	3/4"
HD6	5 1/2"	14"	1" x 1/2"	3/16" x 1 1/2" SQ	3-5/16" x 1/2"	4 1/4"
HD7	6 1/2"	15"	1 1/2" x 1/2"	3/16" x 5" SQ	3-1/8" x 1/2"	4 1/4"

REINFORCING DETAILS

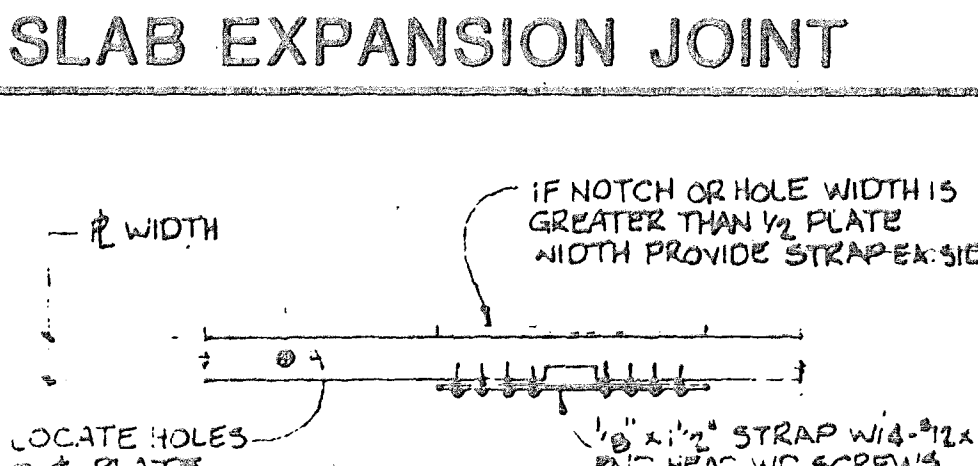
BOLT SIZE	STEEL WASHER		ROUND MALL IRON
	SQUARE	ROUND	
1/2"	1 1/2" x 2 1/2"	1 1/2" x 2 1/2"	1 1/2" x 2 1/2"
5/8"	1 3/4" x 2 3/4"	1 3/4" x 2 3/4"	1 3/4" x 2 3/4"
3/4"	1 7/8" x 3"	1 7/8" x 3"	1 7/8" x 3"
7/8"	2 1/8" x 3 1/8"	2 1/8" x 3 1/8"	2 1/8" x 3 1/8"
1"	2 3/8" x 4"	2 3/8" x 4"	2 3/8" x 4"

NOTES: 1. WASHERS SHALL BE USED UNDER ALL NUTS & BOLT HEADS IN ALL LOCATIONS. 2. WASHER SCHEDULE APPLIES TO FOLLOWING LOCATIONS: ANCHOR BOLTS, WOOD TO STEEL, BOLTS IN TENSION, 3. USE STD CUT WASHERS AT ALL OTHER LOCATIONS.

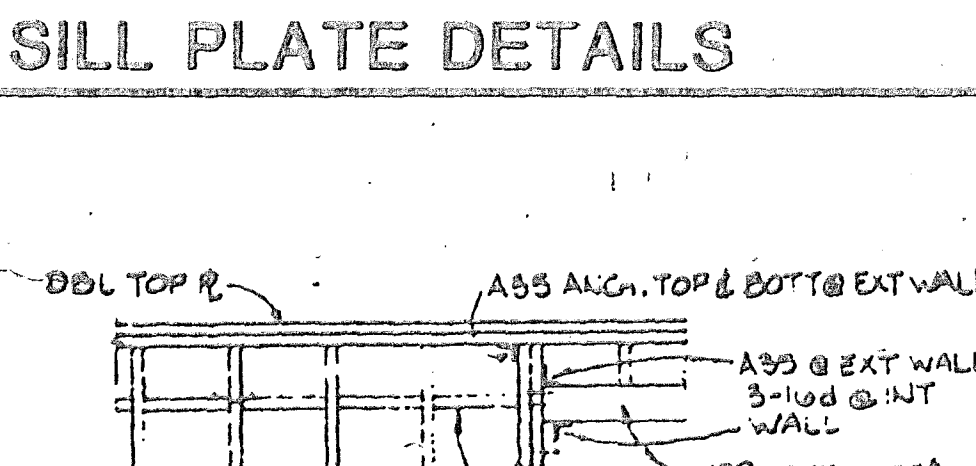
WASHER SCHEDULE (13)



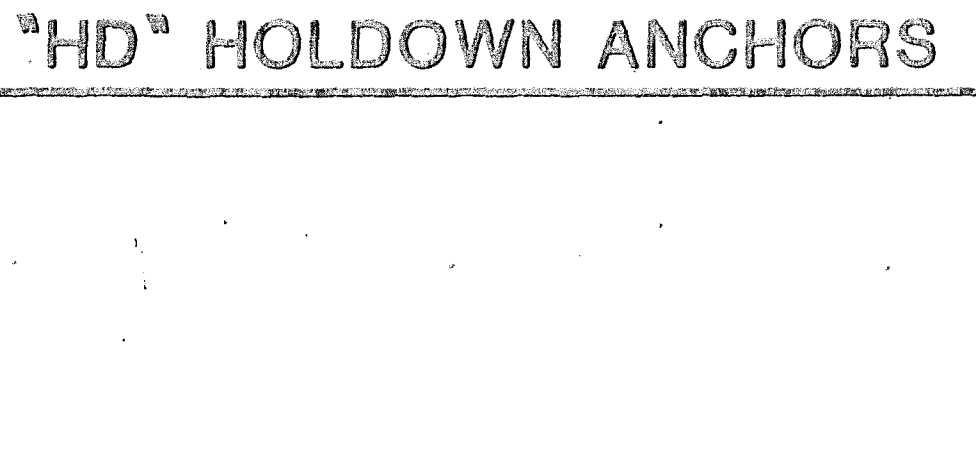
TOP PLATE NOTCH (15)



TOP PLATE SPLICES (16)



TYP. STUD WALL FRMG. (17)

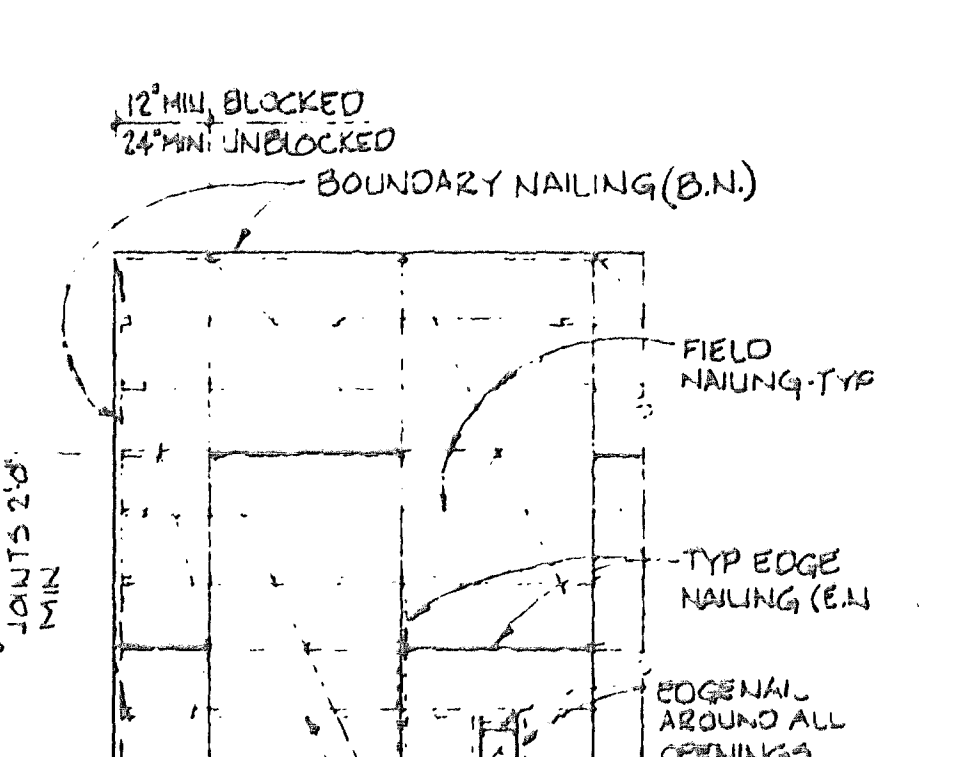


PLYWOOD SHEAR WALL DETAILS (18)

STUD WALL INTERSECTIONS (14)

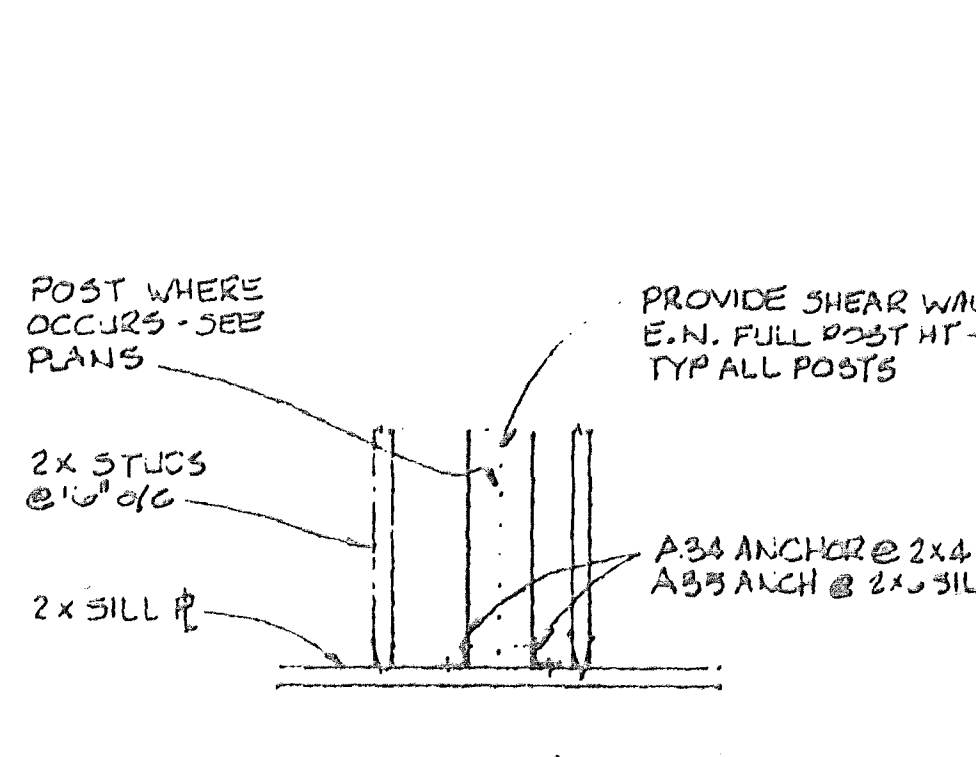
NOTES: 1. PLACE FACE GRAIN OF PLYWOOD PERPENDICULAR TO FRAMING UNLESS NOTED OTHERWISE. 2. NAIL EDGE DISTANCE SHALL BE 3/8\"/>

TOP PLATE SPLICES (16)



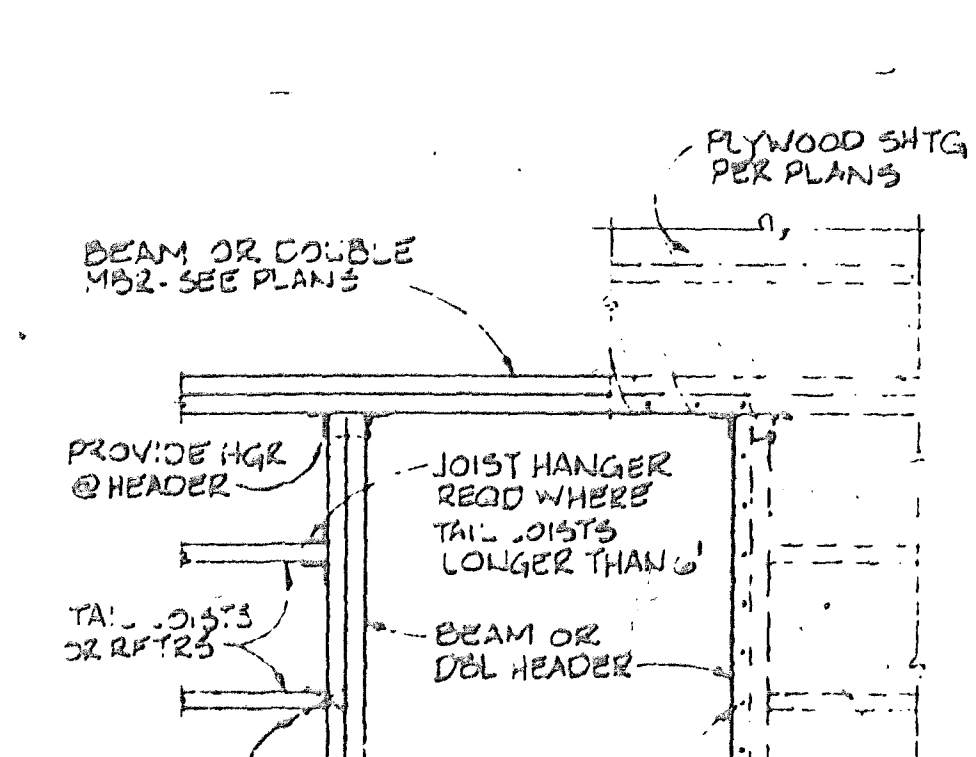
TYP. POST/SILL CONN. (20)

TYP. STUD WALL FRMG. (17)



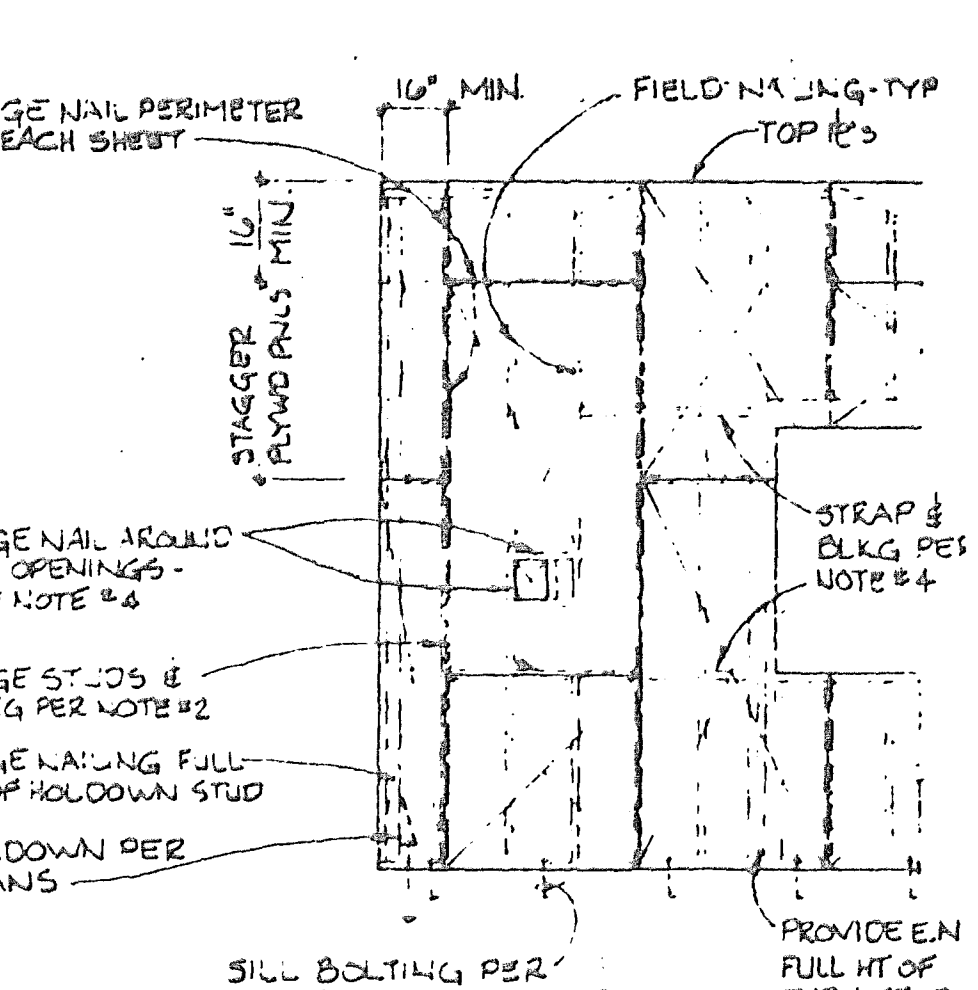
ROOF OR FLR. OPNG. (21)

PLYWOOD SHEAR WALL DETAILS (18)



INTERIOR ELEVATIONS (22)

CEILING JOIST FRMG. (12)



INTERIOR ELEVATIONS (22)

PLYWOOD FLOOR & ROOF DETAILS (19)

TYP. POST/SILL CONN. (20)

ROOF OR FLR. OPNG. (21)

INTERIOR ELEVATIONS (22)

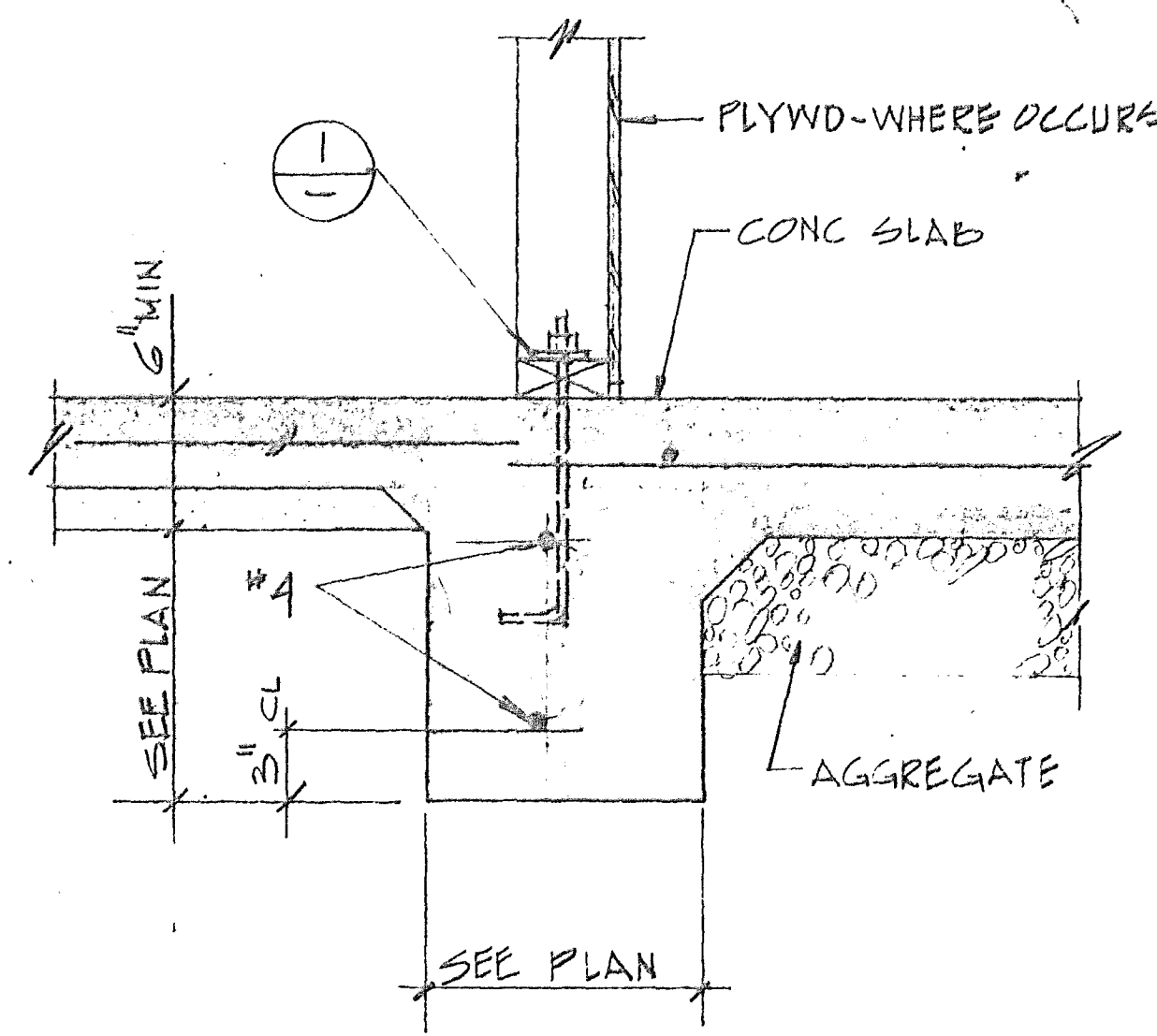
INTERIOR ELEVATIONS (22)

MECHANICAL ARCHITECTS
 250 Newport Center Drive, Suite 300, Newport Center, California 92660
 Tel. 714-551-0141

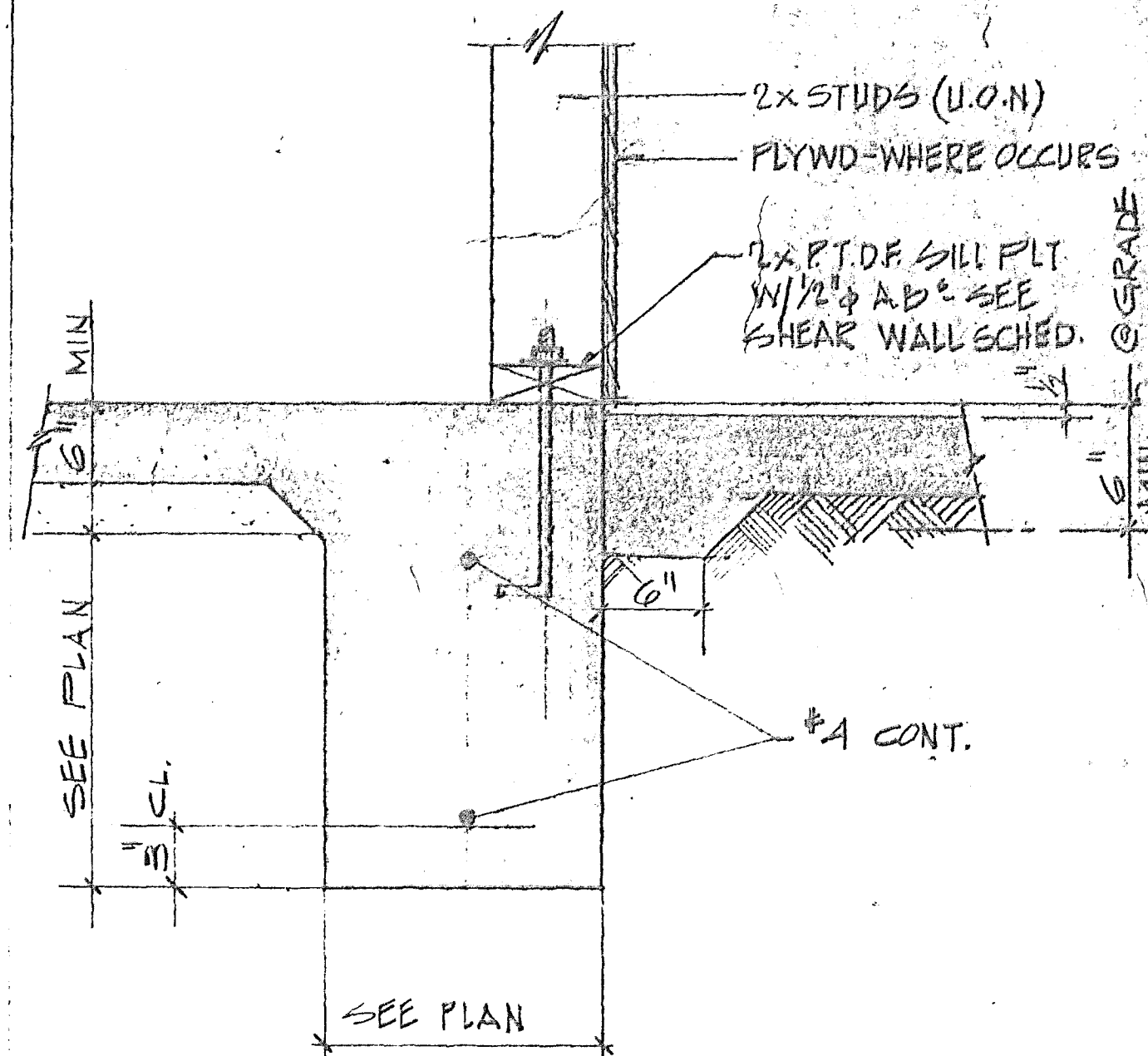
SANTA MARGARITA FIRE STATION #45
 3313 AVENTURA AVENUE
 (RANCH) SANTA MARGARITA
 SANTA MARGARITA, CA

Project No. _____
 Designer _____
 Drawn by _____
 Date 11-1-89 AS-BUILT
 Scale _____
 Revisions _____
 By Date _____
 1. Below Sept. 11-1-89
 2. Below Sept. 11-1-89

Sheet 9-1

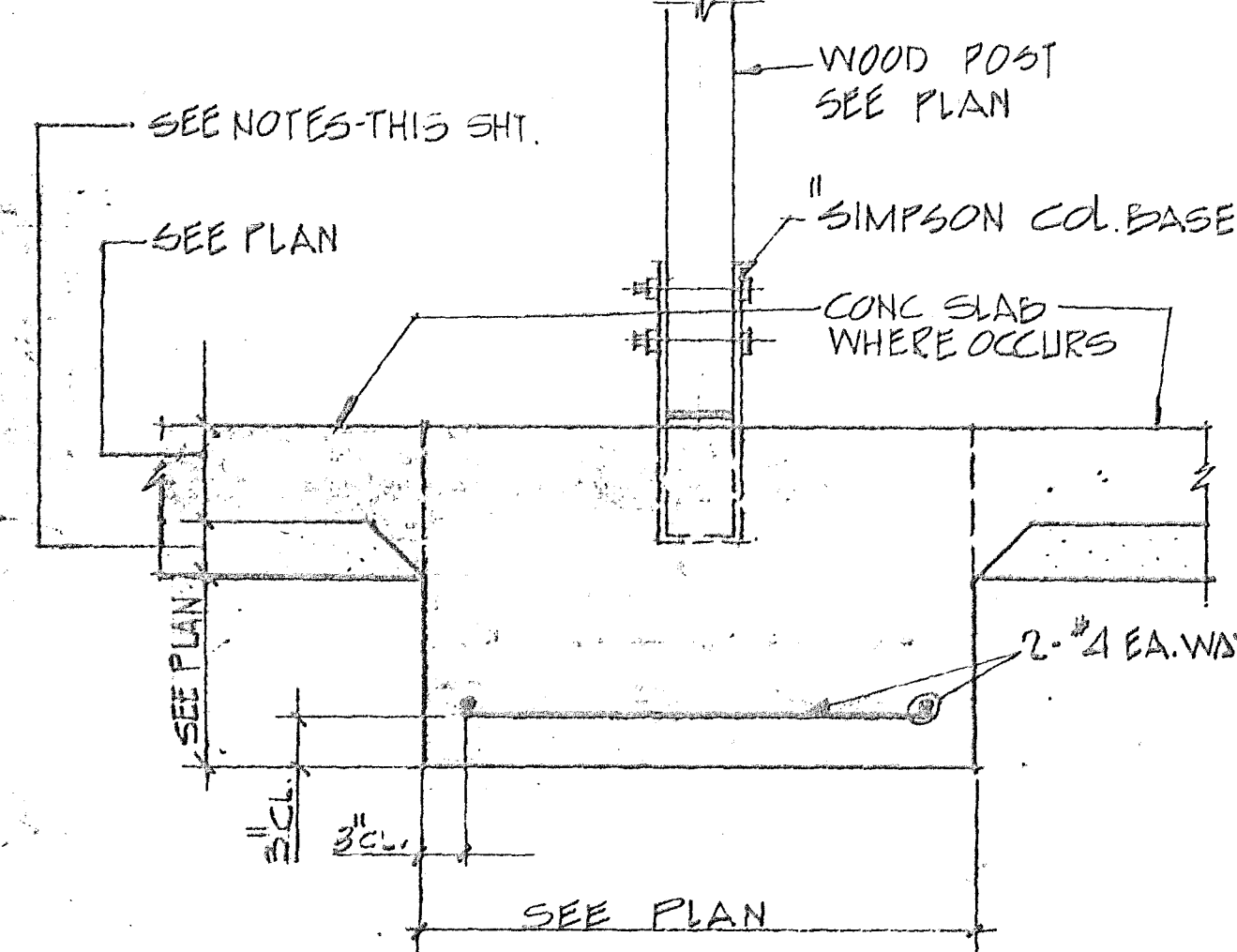


INTERIOR WALL FOOTING



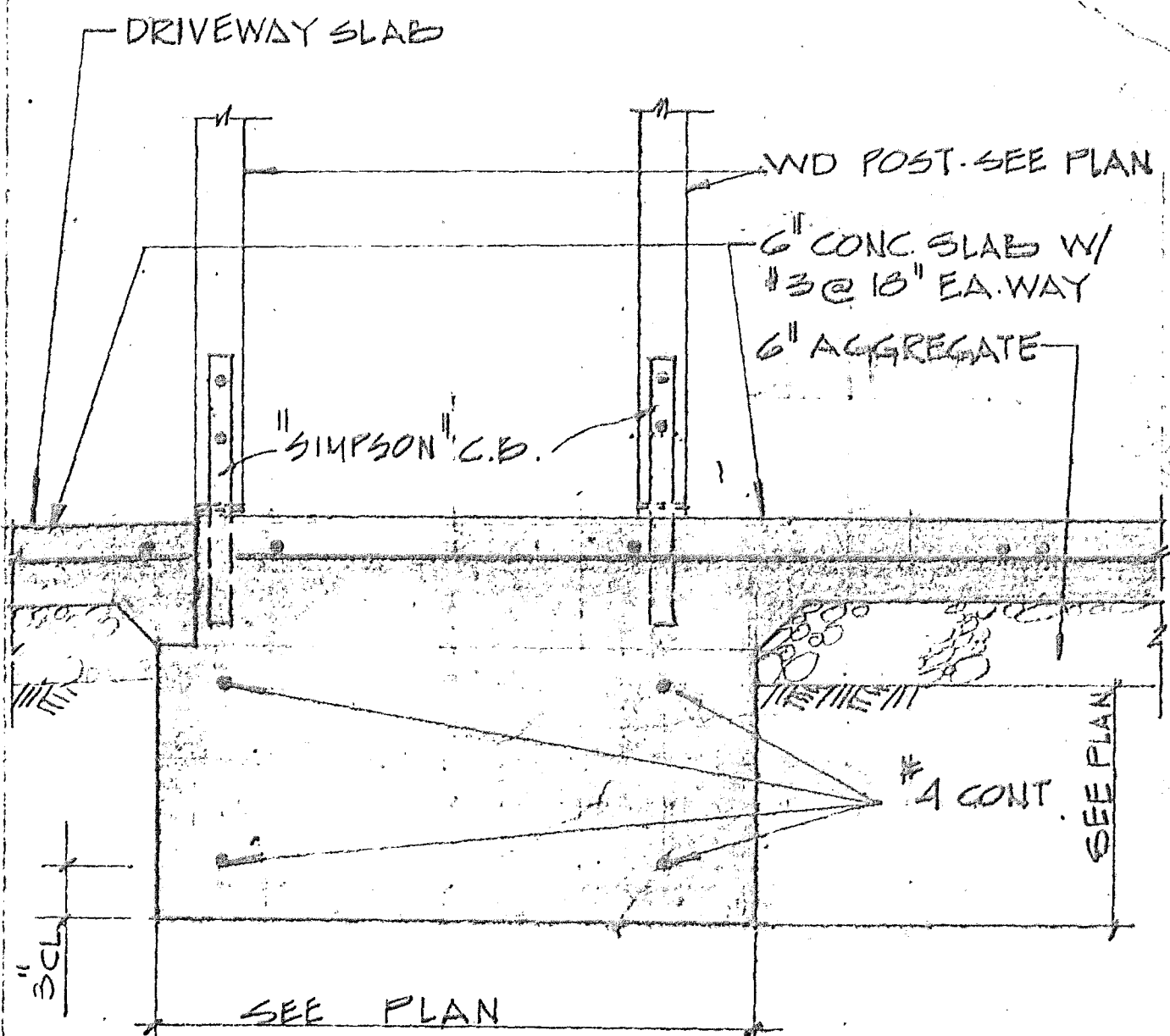
EXTERIOR WALL FOOTING

1/2" = 1'-0" (1)



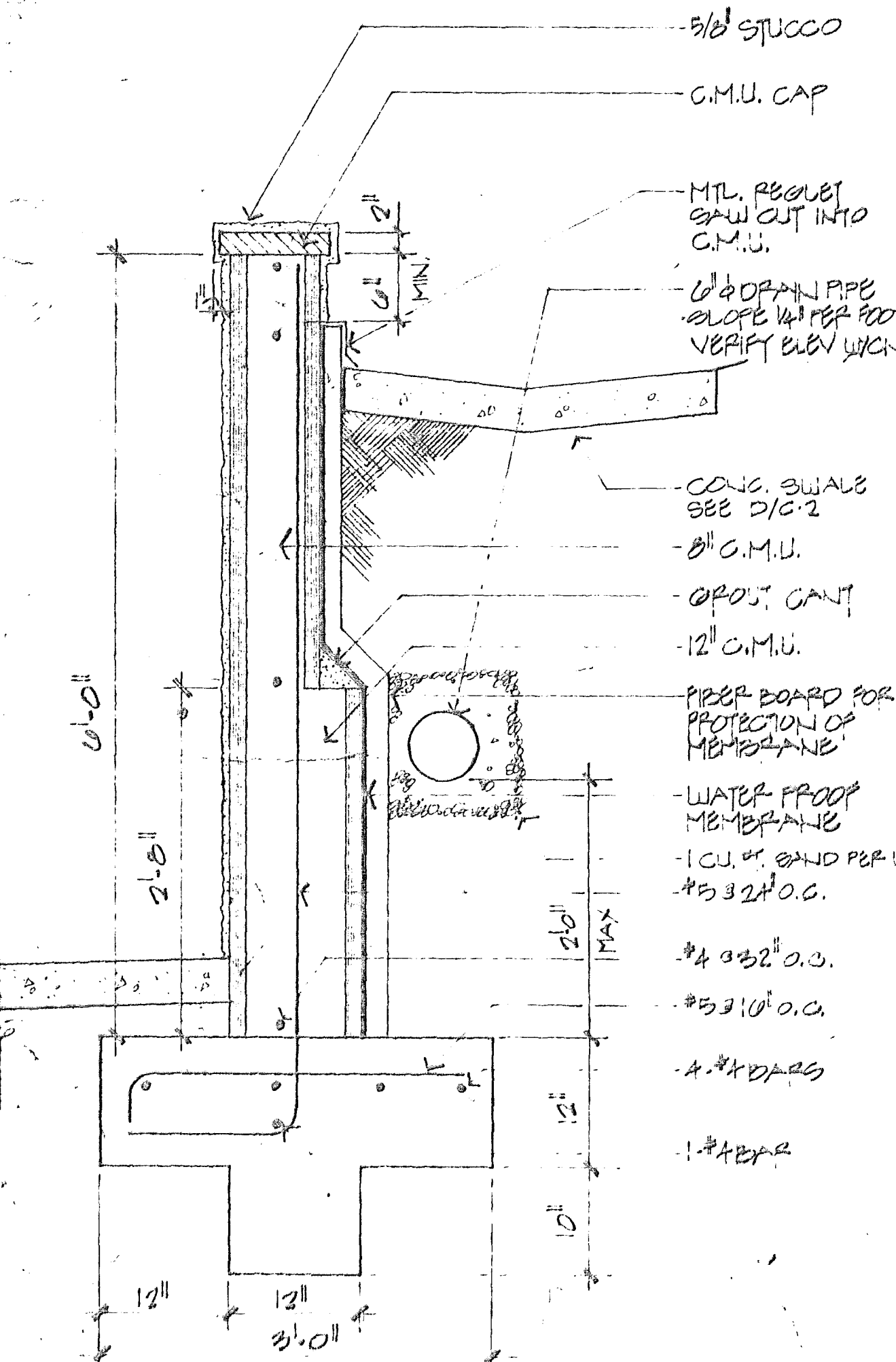
POST FTG

1/2" = 1'-0" (4)



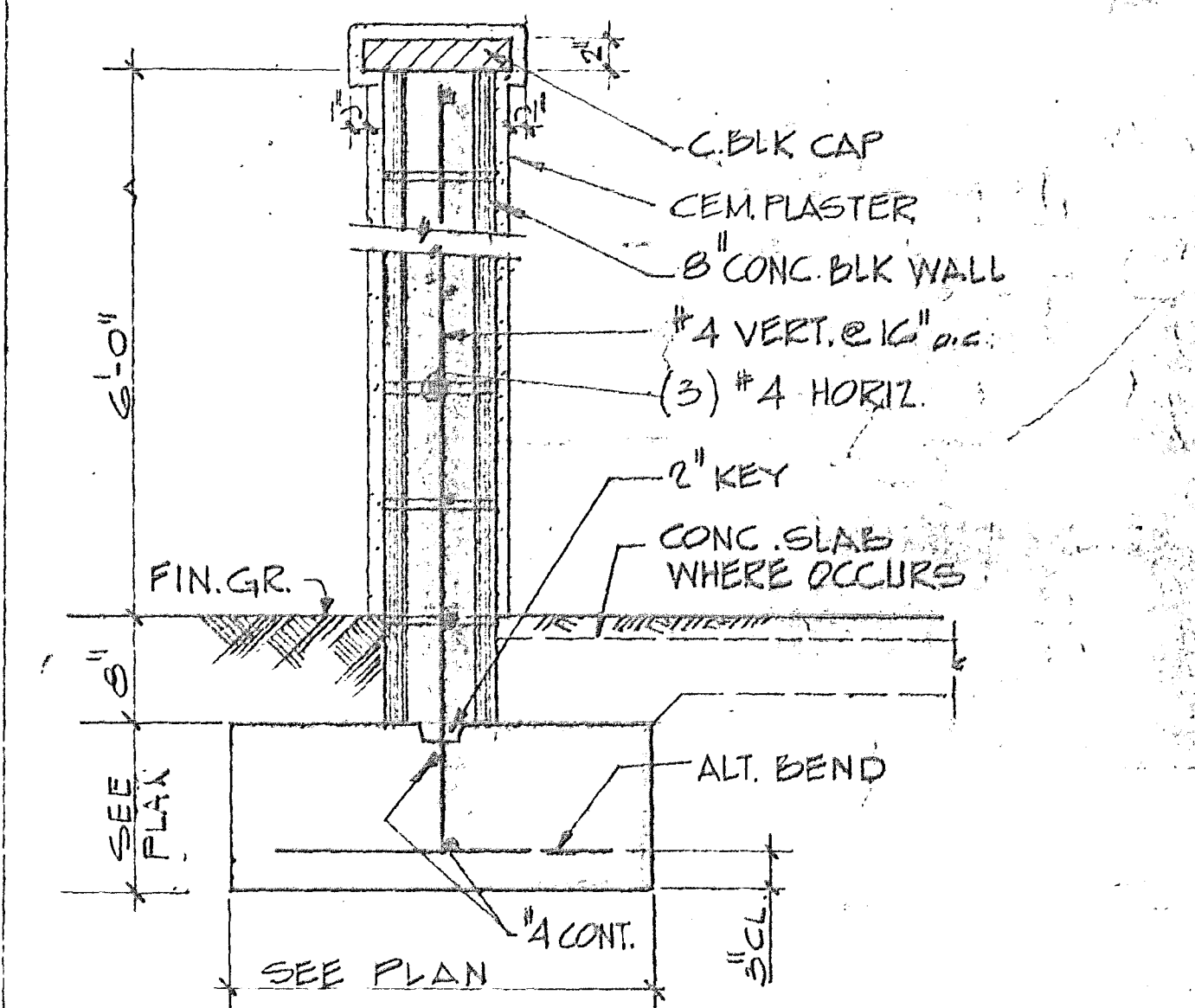
SECTION - (APPARATUS RM)

1/2" = 1'-0" (3)



RETAINING WALL

1" = 1'-0" (6)

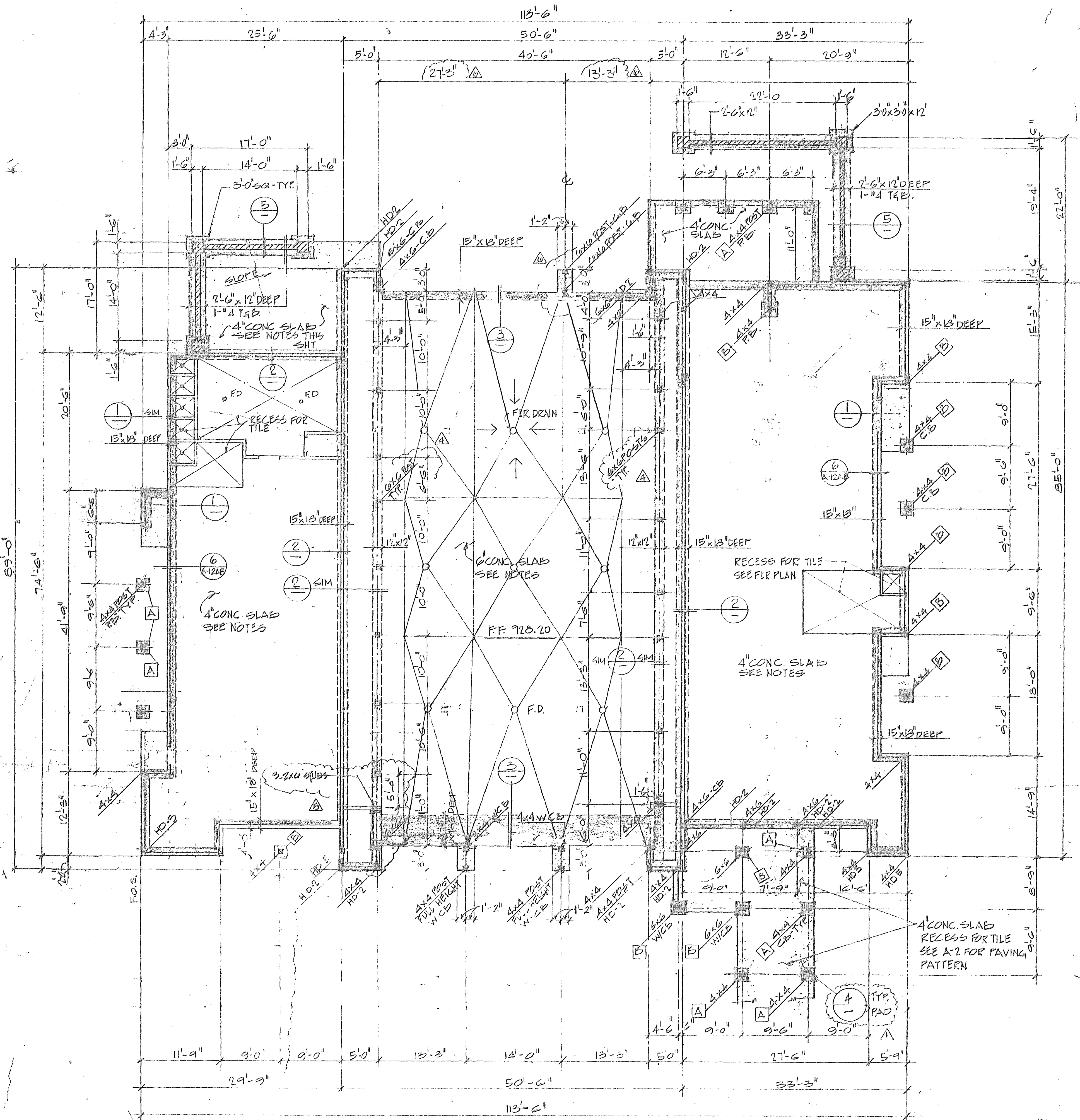


FREE STANDING C.M.U. WALL

1" = 1'-0" (5)

FAD SCHEDULE			
MARK	SIZE	REINF	REMARKS
A	18" x 12" D.	2-#4 E.W.	(SEE DETAIL-A)
B	24" x 12" D.	2-#4 E.W.	(SEE DETAIL-B)

- NOTES
- FOR ANCHOR BOLT SPACING SEE SHEAR WALL SCHEDULE. MINIMUM SPACING 48" O.C.
 - ALL ISOLATED POSTS TO HAVE "SIMPSON" P.D. U.N.O.



NOTE:
 APPARATUS RM & DRIVEWAY SLABS:
 6" CONC. SLAB W/ 3 @ 18" O.C. EA. WAY OVER 6" AGGREGATE
 DORM & OFFICE WINGS:
 4" CONC. SLAB W/ 6x6-10/10 W. WIRE FABRIC IN MIDHEIGHT OF SLAB, OVER 2" SAND & 10-MIL (MIN) PLASTIC MEMBRANE LAP EDGES. SEE DETAIL.

FOUNDATION PLAN

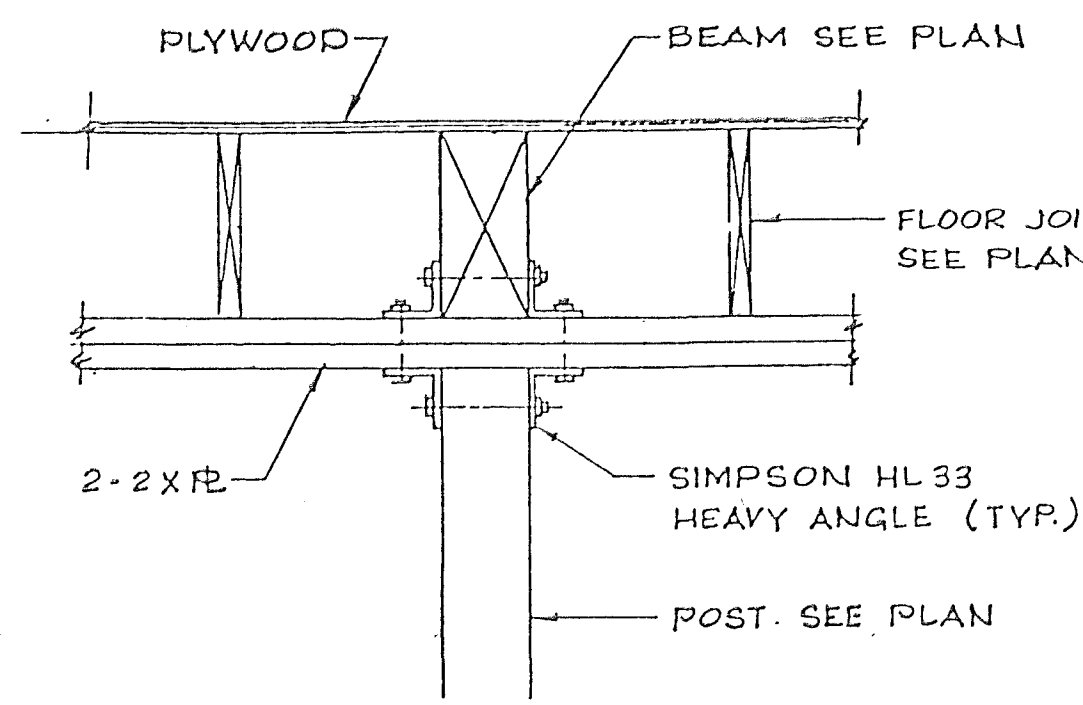
PLAN NO. 90781-1703

SCALE 1/8" = 1'-0"

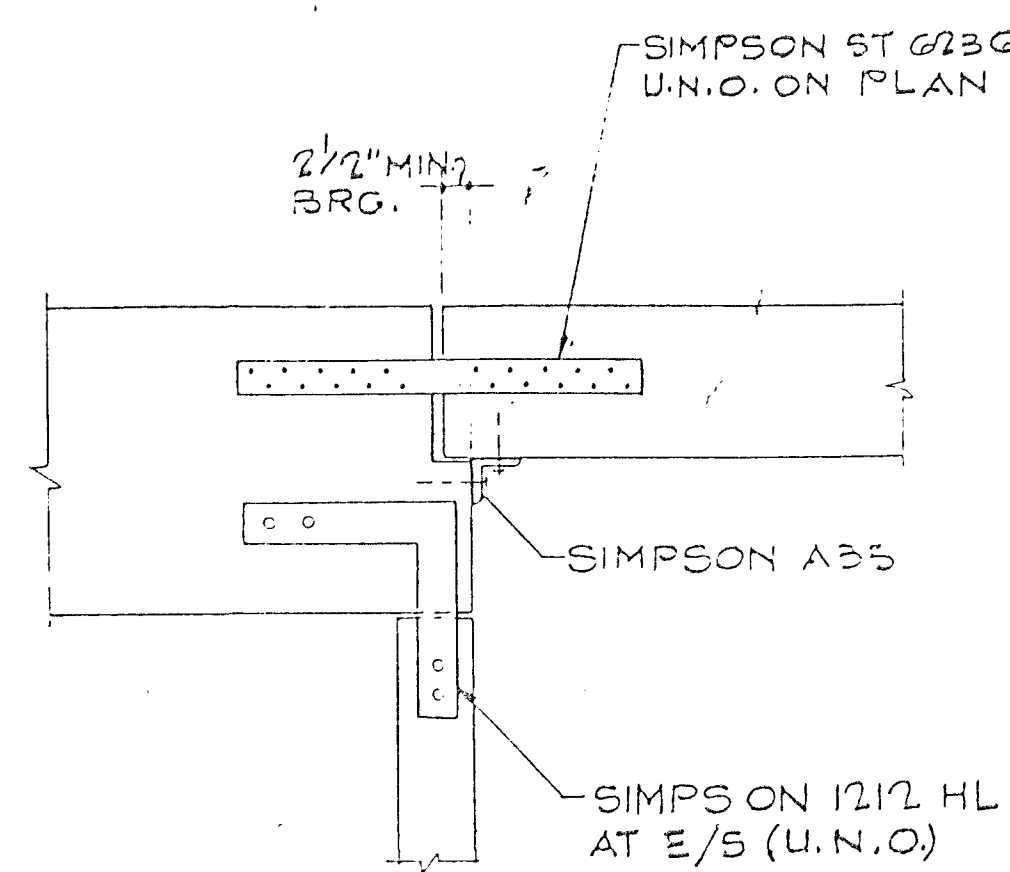
MECH-1001
 ARCHITECT

FOUNDATION PLAN
 SANTA MARGARET
 1000 W. 10TH AVE.
 SANTA MARGARET, CA 94058

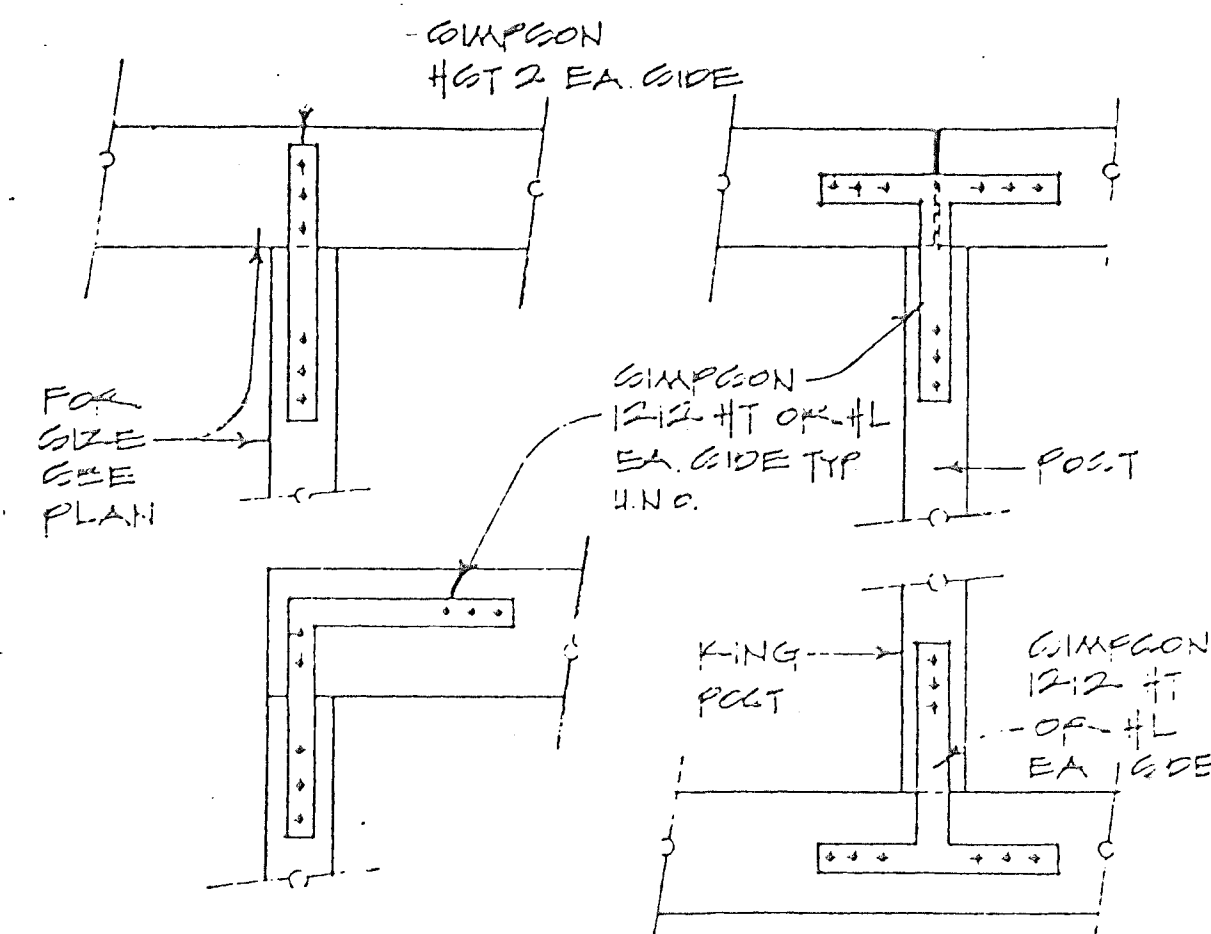
Project No.
 Designer
 Drawn by
 Date 11-1-89 AS-PUNT
 Scale
 Revisions
 By Date
 1. 11/1/89
 2. 11/1/89
 3. 11/1/89
 4. 11/1/89
 5. 11/1/89
 6. 11/1/89
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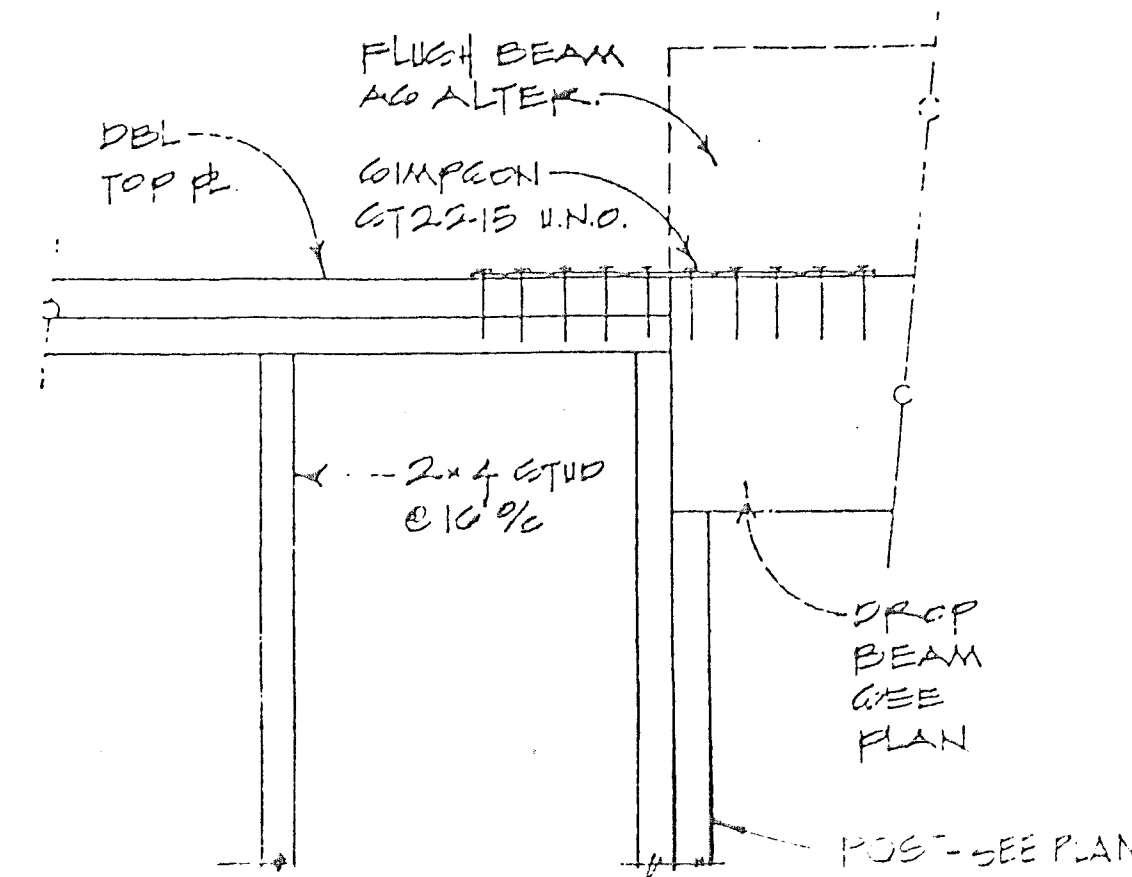
BEAM TO POST CONN.



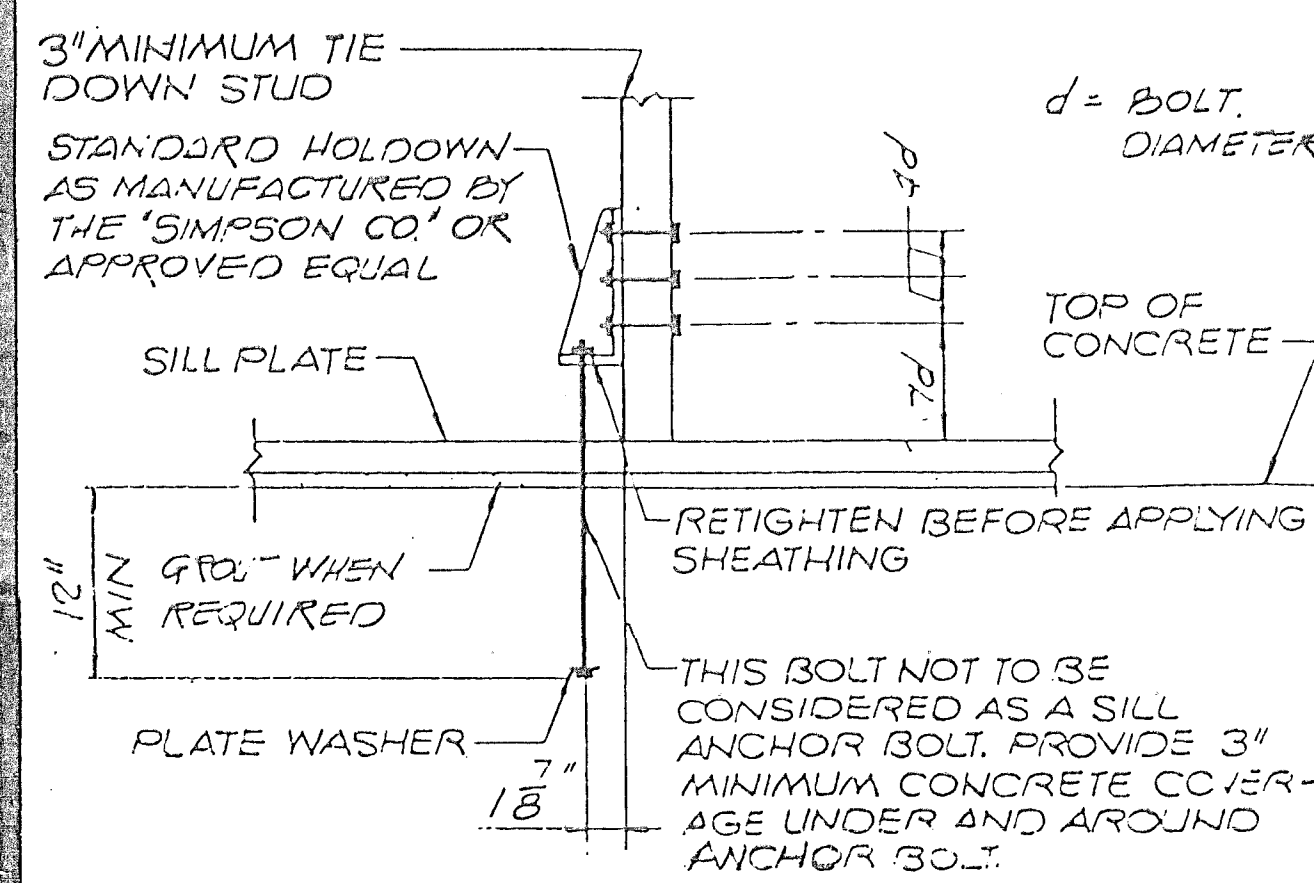
BEAM CONN.



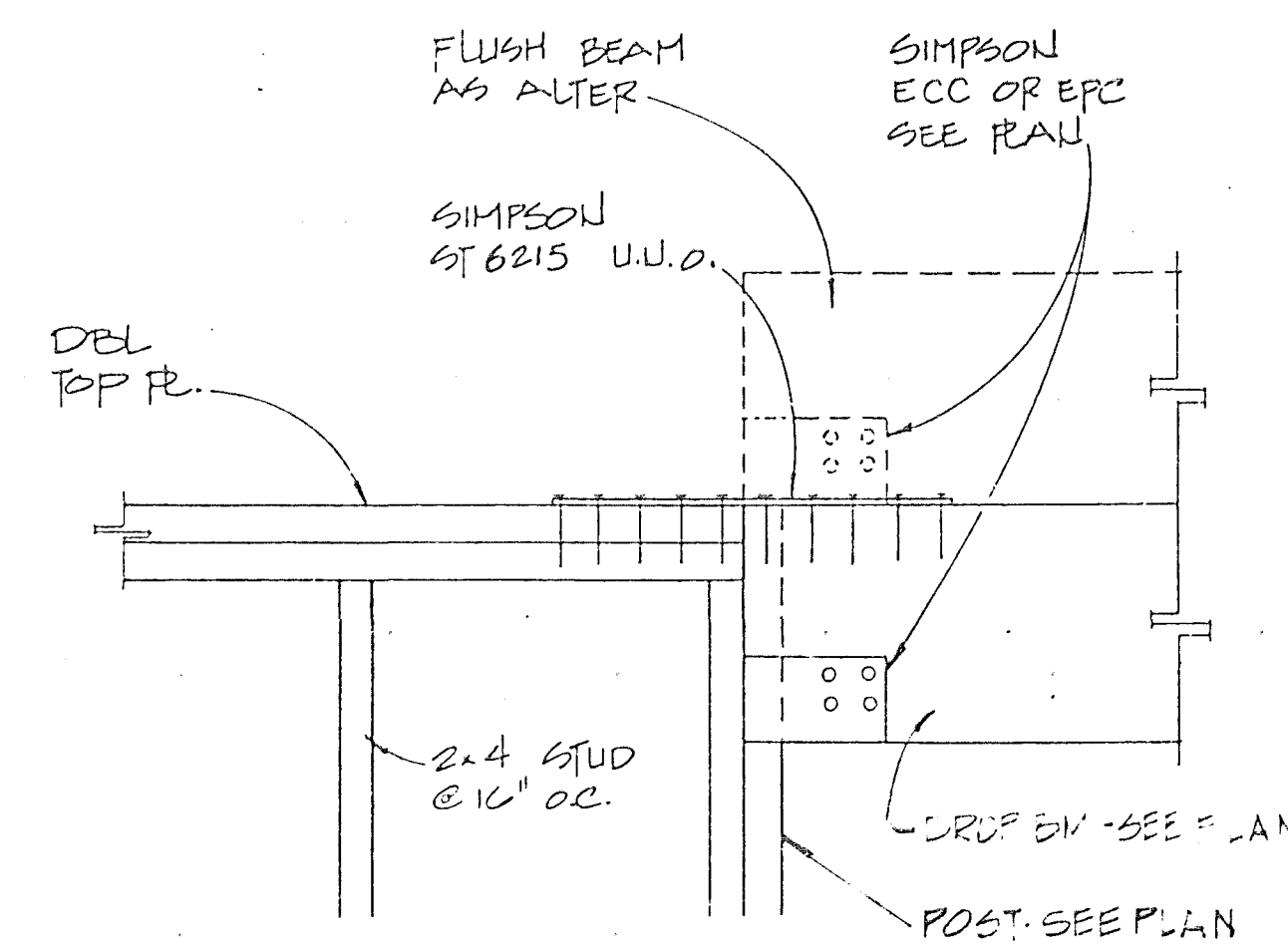
POST TO BEAM CONN.



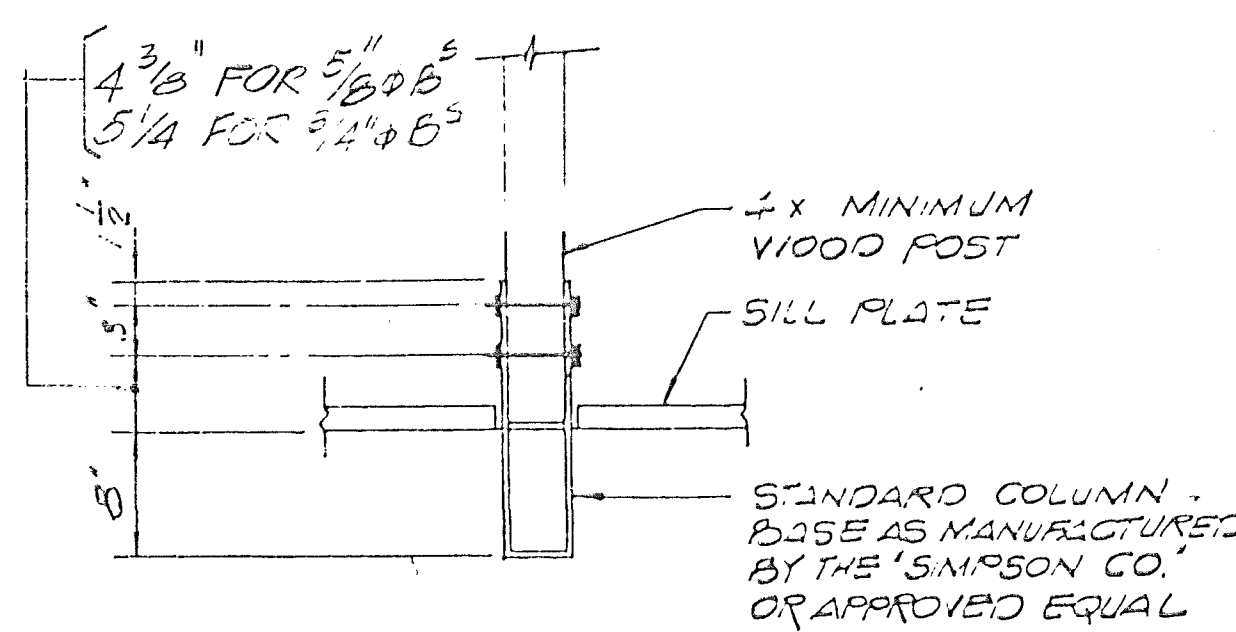
BEAM TO WALL CONN.



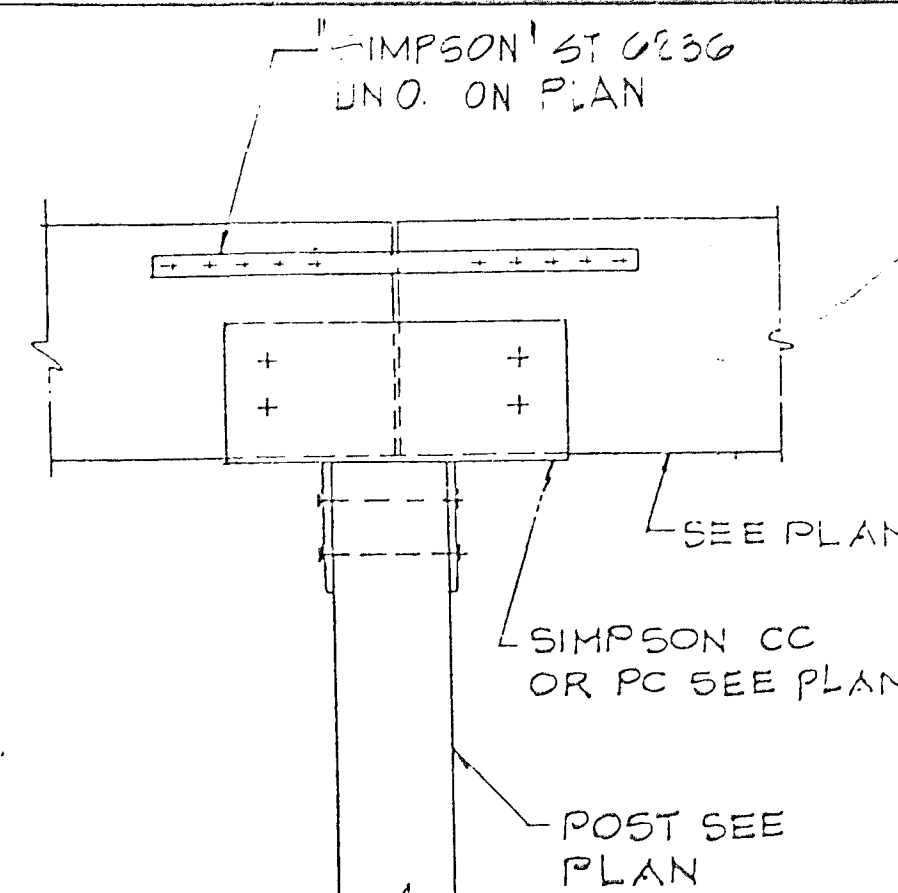
TYPE I



POST TO WALL CONN.

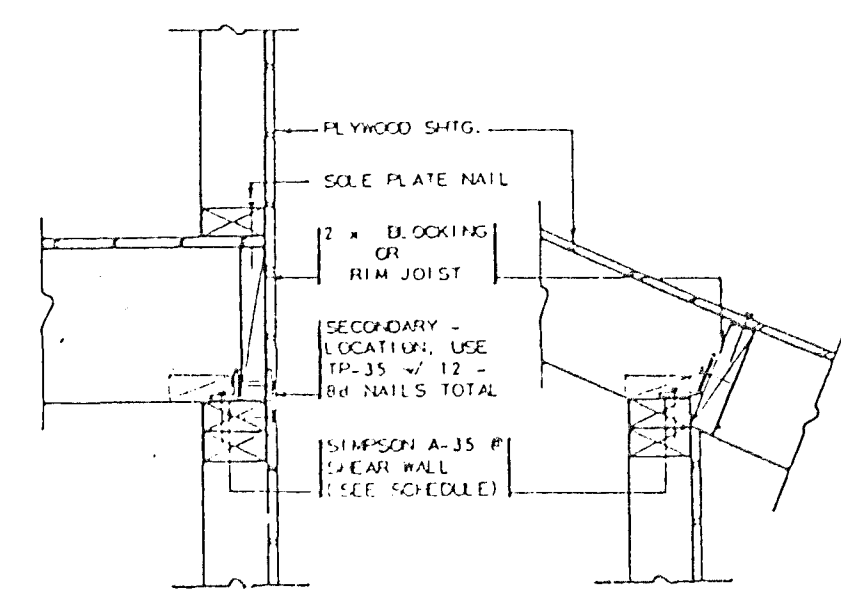


TYPE II

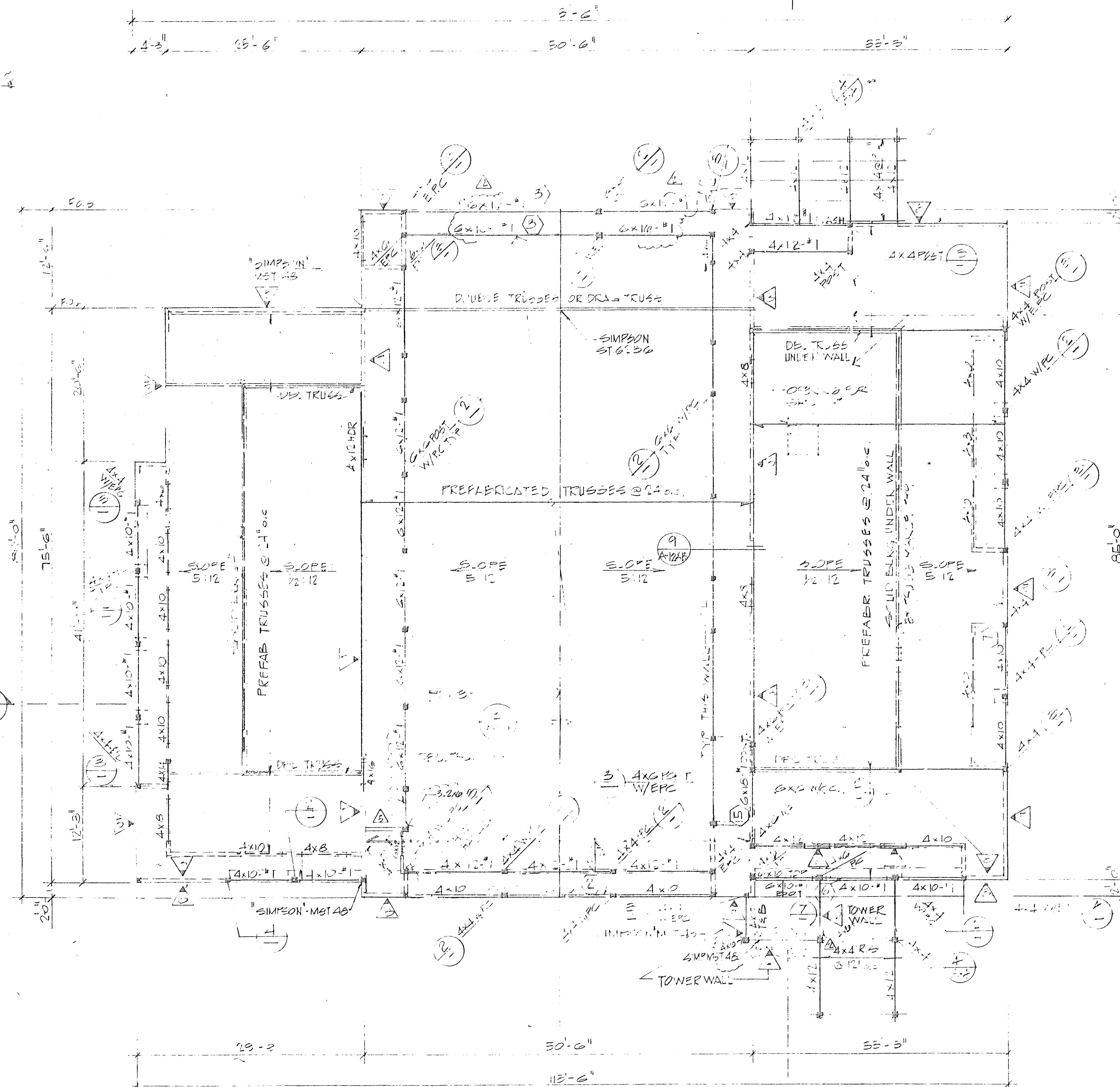


HOLD DOWN DETAILS

SHEAR WALL SCHEDULE													
WALL	RAILING		TOP CONNECTION				POST CONNECTION				CAP- AC- STY LFT	NOTES	
			ONE SIDE	TWO SIDES	ONE SIDE	TWO SIDES	ONE SIDE	TWO SIDES	ONE SIDE	TWO SIDES			
			1/2" DIA. HUB 										

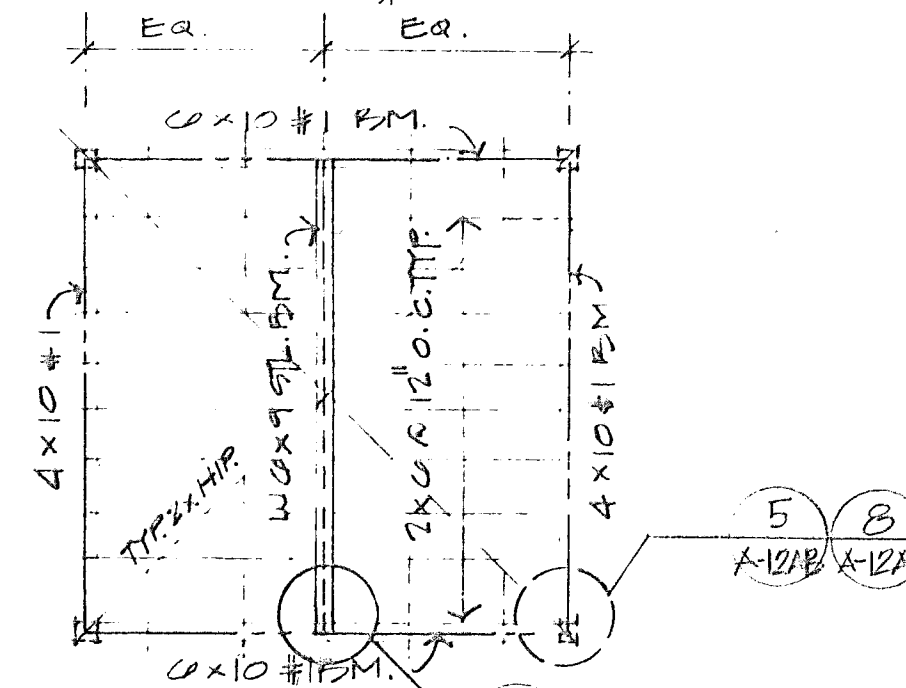


SHEAR WALL CONN.



ROOF FRAMING PLAN

SCALE: 1/8\"/>



TOWER ROOF FRAMING PLAN

PLAN NO. 90781-1703

NOTE: GENERAL CONTRACTOR SHALL COORDINATE LOCATION OF ALL CONDITIONING EQUIPMENT PLATFORMS TO ALLOW OPENING.

2. WALLS OF THIS SYSTEM SHALL SUPPORT OPERATIONAL EQUIPMENT DRUMMING TO FLOOR DETAIL. ARCH. FOR APPROVAL PRIOR TO CONSTRUCTION.

3. PROVIDE DOUBLE TRUSSES AT OPENINGS PER DET. 2115-1 SIM.

4. PROVIDE ROOF ELEVATION CHANGING 2\"/>

Project No. _____
 Designer _____
 Drawn by _____
 Date 11-1-89 AS-BUILT
 Scale _____

Revisions By Date

1	REVISION	11-1-89
2	REVISION	11-1-89
3	REVISION	11-1-89

Sheet 3-3 of 3

MEACHAM ARCHITECTS
 250 Newport Center Drive, Suite 330, Newport Beach, California 92660
 714/759-9141

Project No. 45
 SANTA MARGARITA FIRE STATION #45
 30131 AVENTURA AVENUE
 RANCHO SANTA MARGARITA
 SANTA MARGARITA, CA

OWNER

OWNER ADDRESS:

SANTA MARGARITA COMPANY
31726 RANCHO VIEJO ROAD, SUITE 101
SAN JUAN CAPISTRANO, CA 92875

PROJECT DATA

BUILDING INFORMATION

20. FT. A. 431 GROSS

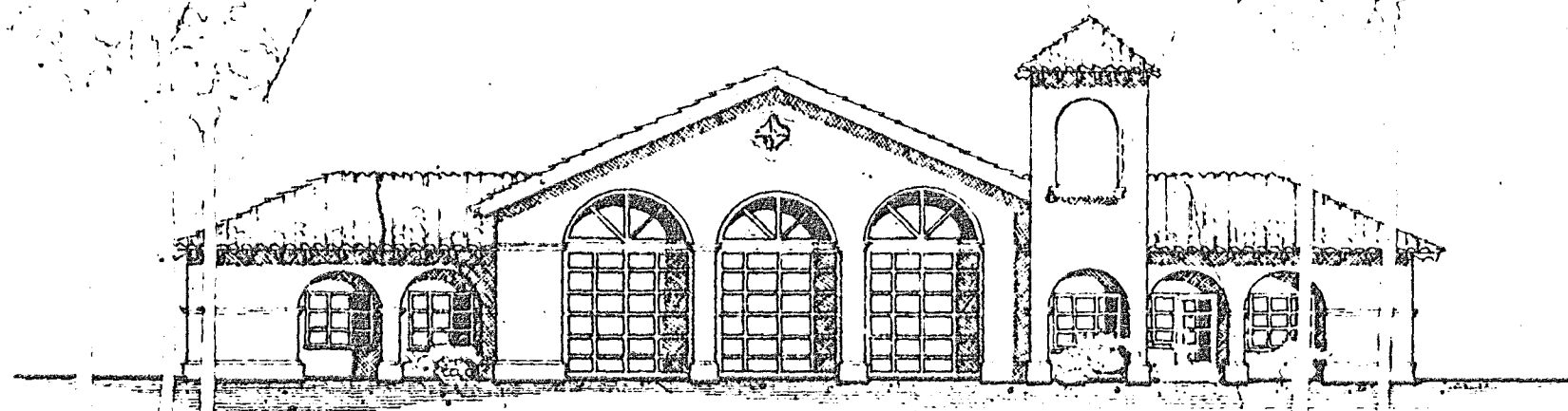
OCCUPANCY:

APPARATUS RM.	3-2
LIVING QUARTERS	3-1
TYPE OF CONSTRUCTION	VM
OFFICES	4-2

SITE INFORMATION

MARKING	PROVIDED	REQUIRED
STD. STALLS	34	34
MOCP. STALL	1	1
TOTAL	35	

CIVIL		1-2	PLANTING PLAN	E-3	POWER PLAN /SCHEDULES	
C-1	GENERAL NOTES	1-3	NOTES & DETAILS	E-4	ELECTRICAL ROOF PLAN	
C-2	GRADING & ONSITE IMPROVEMENT PLAN		STRUCTURAL	E-5	ELECTRICAL DETAILS	
ARCHITECTURAL		S-1	GENERAL NOTES & STANDARD DETAILS			
A-1	SITE PLAN	S-2	FOUNDATION PLAN			
A-2	FLOOR PLAN	S-3	ROOF FRAMING PLAN			
A-3	ROOF & CEILING PLAN	S-4	STRUCTURAL DETAILS			
A-4	EXTERIOR ELEVATIONS		PLUMBING			
A-5	BUILDING SECTIONS	P-1	PLUMBING SITE PLAN			
A-6	DOOR/WINDOWS/FINISH SCHEDULES	P-2	PLUMBING BUILDING PLAN			
A-7	INTERIOR ELEVATIONS- APPARATUS ROOM	P-3	PLUMBING DETAIL			
A-8	INTERIOR ELEVATIONS- RESTROOMS&KITCHEN	M-1	MECHANICAL BUILDING PLAN/SCHEDULES			
A-9	FURNISHINGS PLAN & INTERIOR DETAILS	M-2	MECHANICAL DETAILS			
A-10	ARCH DETAILS		ELECTRICAL			
A-11	ARCH DETAILS	E-1	ELECTRICAL SITE PLAN			
LANDSCAPING		E-2	ELECTRICAL LIGHTING PLAN/SCHEDULES			
L-1	IRRIGATION PLAN					



SANTA MARGARITA FIRE STATION 45

30131 AVENTURA
RANCHO SANTA MARGARITA

CALIFORNIA

CONSULTANTS

' CIVIL ENGINEER

WILLIAMSON & SCHMID
17782 SKY PARK BOULEVARD
IRVINE, CA 92714
(714)281-2222

LANDSCAPE ARCHITECT

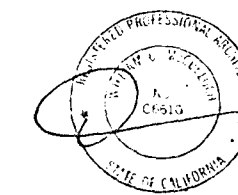
PURKISS-ROSE ASSOCIATES
733 EAST CHAPMAN AVENUE
FULLERTON, CA 92631
(714)871-3638

STRUCTURAL ENGINEER

DESIGN ENGINEERING GROUP
3440 IRVINE AVENUE, SUITE 270
NEWPORT BEACH, CA 92660
(714) 756-0935

ELECT./MECH./PLUMB. ENGINEER

AH ENGINEERS, INC.
 27782 EL LAZO RD.
 LAGUNA NIGUEL, CA 92677
 (714) 843-2733



ABBREVIATIONS

[illegible]

SYMBOLS

	SECTION		COLUMN LINE		NINEWAY TYPE
	DETAIL		GRID LINE		SOLVR TYPE
	INTERIOR ELEVATIONS		DOOR SYMBOL		EQUIPMENT TYPE
	ROOM IDENTIFICATION		TOP OF WALL		REVISION
	NEW FINISH GRADE		TOP OF CURB		MATCH LINE
	EXISTING GRADE		TOP OF PAVEMENT		WORK POINT, CONTROL POINT ON STATION POINT
	PROPERTY LINE		AREA WALL TYPE		SOON SYMBOL
	NEW OR FINISHED CONTOURS				
	EXISTING CONTOURS				

GENERAL NOTES

1. IN CASE OF CONFLICT BETWEEN DRAWING AND SPECS, CONTRACTOR RESPONSIBLE FOR BIDDING MOST EXPENSIVE ITEM.
 2. VERIFY ALL DIMENSIONS AND CONDITIONS ON JOB SITE PRIOR TO START OF WORK OR PORTIONS OF THE WORK.
 3. ALL MATERIAL AND WORKMANSHIP SHALL COMPLY WITH THE LOCAL BUILDING CODE AND ALL OTHER GOVERNING CODES, ORDINANCES, REGULATIONS, AND LAWS.
 4. THE DESIGN ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING TEMPORARY SUPPORTS AND SCAFFOLDING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 5. OCCUPATIONAL HEALTH AND SAFETY: THESE DOCUMENTS AND THE JOINT AND SEVERAL PHASES OF CONSTRUCTION HEREBY CONTEMPLATED, ARE TO BE OBSERVED AT ALL TIMES BY APPLICABLE PROVISIONS OF THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT OF 1973, CAL-OSHA.
 6. WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF FEDERAL, STATE AND LOCAL LAWS, CODES, ORDINANCE, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.
 7. CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES, ERRORS, OMISSIONS, AMBIGUITIES, CONFLICTS AND THE LIKE, DISCOVERED IN THE DRAWINGS (CONTRACT DOCUMENTS).
 8. FIRE EXTINGUISHER REQUIREMENTS SHALL BE DETERMINED BY FIELD INSPECTION AND SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
- THE CALIFORNIA NON RESIDENTIAL ENERGY CONSERVATION STANDARDS HAVE BEEN REVIEWED AND THE DESIGN, DRAWINGS AND CALCULATIONS COMPLY SUBSTANTIALLY WITH THESE STANDARDS.

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SANTA MARGARITA FIRE STATION #45

Part 1

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