

AIR HANDLING UNIT SCHEDULE																
UNIT NO.	LOCATION	UNIT TYPE	TOTAL AIR CFM.	FRESH AIR CFM.	EXT. S.P. "H ₂ O	MOTOR H.P.	COOLING COIL					HEATING COIL				REMARKS
							MIN. FACE AREA SQ.FT.	MIN. ROWS	MIN. SENS CAP. BTUH	MIN. TOT. CAP. BTUH	GPM 43° F. W.T.	MIN. FACE AREA SQ.FT.	MIN. ROWS	GPM 180° F. W.T.	MIN. CAP. BTUH	
1	MAIN EQUIP. ROOM	A	9100	1000	0.75	5.0	17.0	6	210,000	281,500	56.0	17.0	2	17.1	171,000	
2	ROOM 129	A	4600	400	0.75	3.0	9.0	6	114,500	133,500	27.0	9.0	2	11.3	112,500	
3	ROOM 129	A	3800	3000	0.65	3.0	7.5	8	146,700	305,300	60.0	7.5	4	24.4	244,500	HTG COIL IN PRE-HEAT POS.
4	CLASSRMS	B	1400	200	0.25	2 @ 1/5	3.5	4	34,800	48,600	12.0	3.5	1	4.4	44,000	4 UNITS REQD - YORK CU 16
5	DAY RMS.	B	1800	300	0.25	2 @ 1/4	4.3	4	44,450	61,500	15.0	4.3	1	5.4	53,600	2 UNITS REQD - YORK CU20
6	PRE VOC.	A	1700	300	0.30	0.75	3.5	6	44,000	70,000	14.0	3.5	2	6.3	63,400	
7	MAINT SHOP	B	1000	150	-	2 @ 1/5	2.6	4	22,100	30,000	8.0	2.6	1	4.2	41,500	YORK CU12 ENCL. MODEL

UNIT TYPES:
A - VERTICAL, SINGLE ZONE, DRAW THRU
B - HORIZONTAL, FAN COIL, DRAW THRU

PUMP SCHEDULE									
PUMP NO.	SERVICE	TYPE	SIZE		G.P.M.	T.D.H.		MOTOR H.P.	REMARKS
			SUCT.	DISCH.		FT.	H ₂ O		
1	CONDENSING WATER	END SUCTION CENT. PEDESTAL MTD.	3"	2 1/2"	225	50	5		C.I. BASE
2	CHILLED WATER	do	3"	2 1/2"	180	75	7 1/2		EXTENDED C.I. DRIP BASE
3	HOT WATER	do	2 1/2"	2"	90	60	3		C.I. BASE
4	DOM. HOT WATER	IN-THE-LINE CIRC.	3/4"	3/4"	5	15	1/8		ALL BRONZE

NOTE: ALL PUMPS 1750 RPM.

FAN SCHEDULE							
FAN NO.	LOCATION	TYPE	CFM.	S.P. "H ₂ O	R.P.M.	MOTOR H.P.	REMARKS
1	MAIN MECH. ROOM WALL	DIRECT DRIVEN PROP. WALL SUPPLY	1000	0.125	1160	1/12	ACME F14B6-1 REVERSE AIRFLOW WITH AUTO. SHUTTER & MOTOR SIDE GUARD
2	ROOF	DIRECT DRIVEN CENTRIFUGAL EXH.	700	0.375	1160	1/8	ACME PR 11C-G
3	ROOF	do	150	0.25	1050	1/40	ACME PR 73, 5 REQ'D
4	ROOF	do	500	0.375	1550	1/10	ACME PR 82, 3 REQ'D
5	ROOF-KIT.	DIRECT DRIVEN CENTRIFUGAL EXHAUST	2500	0.50	625	1/2	ACME P 22 G
6	ROOF	BELT DRIVEN CENTRIFUGAL EXHAUST	125	0.25	1050	1/40	ACME PR 72 - DELETE UNDER ALT. NO.1
7	ROOF-RM 124	DIRECT DRIVEN PROP. ROOF SUPPLY	500	0.25	860	1/12	ACME LA 1GBB5

NOTE: INTERLOCK FANS 40 2345#6 WITH RESPECTIVE AIR HANDLING UNIT.

BOILER SCHEDULE			
AGA GROSS OUTPUT BTUH	TYPE	FLUE DIAM.	REMARKS
300,000	SECT. C.I.	10"	WEIL-MELAIN J-8-B

PACKAGE CHILLED SCHEDULE									
MIN. NO. COMP.	TOTAL TONS	MAX. KW INPUT	CHILLED WATER		MAX PRESS DROP FT. WATER	CONDENSER WATER		REMARKS	
			GPM	LVG. WATER TEMP. °F		GPM	ENT. WATER TEMP °F		
2	730	79	180	42	14	225	86	12	YORK 2DHH80

COOLING TOWER SCHEDULE					
EWT °F	LWT °F	AMBIENT WB	CAPACITY GPM	FAN H.P.	REMARKS
96	86	80	225	3.7	MARLEY 5875 PERMATOWER

AHU PIPE SIZE SCHEDULE			
AHU NO.	CHR # CHS	HWR # HWS	COND.
1	2 1/2"	1 1/4"	1 1/2"
2	1 1/2"	1 1/4"	1 1/4"
3	2 1/2"	1 1/2"	1 1/4"
4	1 1/4"	3/4"	1"
5	1 1/2"	1"	1"
6	1 1/2"	1"	1 1/4"
7			

FRESH AIR INLET SCHEDULE			
AHU NO.	ACME INLET NO.	CURB O.D.	CURB I.D.
1	LA 16	28 1/2"	16"
2	LA 10	21"	11"
3	LA 24	37"	19"
4	LA 10	21"	9"
5	LA 12	23"	13"
6	LA 10	21"	11"

PLUMBING FIXTURE SCHEDULE					
DESCRIPTION	SIZE OF CONNECTIONS				
	SOIL	WASTE	VENT	C.W.	H.W.
WATER CLOSET	4"		2"	1"	
URINAL	2"		1 1/2"	3/4"	
LAVATORY		1 1/4"	1 1/4"	1/2"	1/2"
SHOWER		2"	1 1/2"	1/2"	1/2"
SINK		1 1/2"	1 1/2"	1/2"	1/2"
DRINKING FOUNT.		1 1/4"	1 1/4"	1/2"	
SERVICE SINK		3"	1 1/2"	1/2"	1/2"

GENERAL NOTES

- VERIFY ALL CONDITIONS AT JOB SITE.
- GENERAL NOTES APPLY TO ALL SHEETS.
- VALVE LOCATIONS SHOWN ON DRAWINGS ARE SCHEMATIC ONLY. ALL VALVES SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS, WITH ACCESS DOORS AS REQUIRED.
- ESTABLISH WITH OWNER'S REPRESENTATIVES APPROVAL, FINAL LOCATION OF ALL EQUIPMENT, DUCTS, ETC., NOT DIMENSIONED ON THE DRAWINGS.
- ALL FLOOR DRAINS SHALL BE SAME SIZE AS LEADS.
- THIS CONTRACTOR SHALL REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR LOCATIONS, SIZES, AND DIMENSIONS FOR PARTITIONS, CHASES, ETC. REQUIRED FOR ROUGHING IN OF PLUMBING FIXTURES AND EQUIP.
- ALL BRANCH DUCTS SERVING TWO OR MORE OUTLETS SHALL BE PROVIDED WITH A SPLITTER DAMPER. BRANCHES SERVING ONLY ONE OUTLET SHALL BE PROVIDED WITH LEAF DAMPERS.
- CEILING DIFFUSER SIZE AS SHOWN ON PLANS INDICATES NECK OR DUCT CONNECTION SIZE.
- ALL A.C. UNIT DRAINS SHALL BE RUN WITH ALL CHANGES IN DIRECTION MADE WITH "TEES", HAVING PLUGS IN UNUSED OPENINGS TO FACILITATE CLEANING.
- THERMOSTATS SHALL BE MOUNTED 60" ABOVE FINISHED FLOOR AND CENTERED ABOVE LIGHT SWITCHES WHERE BOTH OCCUR IN SAME LOCATION.
- DESIGN CONDITIONS:

SUMMER

OUTSIDE 95° DB + 80° WB

INSIDE 75° DB + 50% RH

WINTER

20°

75°

LEGEND

SYMBOL	DESCRIPTION
—D—	DRAIN PIPE
—CHS—	CHILLED WATER SUPPLY
—CHR—	CHILLED WATER RETURN
—CWS—	CONDENSER WATER SUPPLY
—CWR—	CONDENSER WATER RETURN
—HWS—	HOT WATER SUPPLY
—HWR—	HOT WATER RETURN
—G—	GAS
FD	FIRE DAMPER
⊕	THERMOSTAT
⊞	FIRESTAT
WC	WATER CLOSET
UR	URINAL
LAV	LAVATORY
SH	SHOWER
SK	SINK
EDF	DRINKING FOUNTAIN
SS	SERVICE SINK
—	SANITARY SEWER
—	SOIL OR WASTE
—	VENT
—	COLD WATER
—	HOT WATER
—	HOT WATER RETURN
—X—	GATE VALVE
—V—	CHECK VALVE
—CO	CLEAN OUT
VT2	VENT THRU ROOF
AD	AREA DRAIN
FD	FLOOR DRAIN
SD	SHOWER DRAIN
HB	HOSE BIBB
WH	WALL HYDRANT
4	PLUMBING RISER NO. SIZE
⊕	SPEINKLER HEAD
—	BUTTERFLY VALVE
⊙	SMOKE DETECTOR
FS	FLOW SWITCH

DRAWN BY
ELT

CHECKED BY
DWM

FILE NO.
66-4

ISSUED FOR

NO.

DATE

PHASE II SUBMITTAL
10/24/44

PHASE III SUBMITTAL
12/2/44

OWNER REVIEW
3/8/47

BIDS & CONSTRUCTION
4

DOUGLAS E. STEINMAN
ARCHITECTS
BEAUMONT, TEXAS

BEAUMONT COMMUNITY CENTER FOR RETARDED CHILDREN
BEAUMONT, TEXAS

TEXAS DEPARTMENT OF MENTAL HEALTH AND MENTAL RETARDATION
PROJECT NO. 6-188-655

SHEET NO.

M-1

OF 6

MAINT SHOP
ADDITIVE ALT 402
SEE SH M-4 FOR PLAN

NOTE:
INSULATE ALL UNDERGROUND
PIPING W/ 1" THICK FOAMGLAS
& 40# FELT MAPPED WITH
HOT ASPHALT.

NOTE FOR DETAILS OF
THIS ROOM SEE 1/4"
SC PLAN SHEET M-4.

ADDITIVE ALTERNATE NO. 1
IS INDICATED WITHIN
DASHED LINES

AIR CONDITIONING PLAN
SCALE = 1/8" = 1'-0"



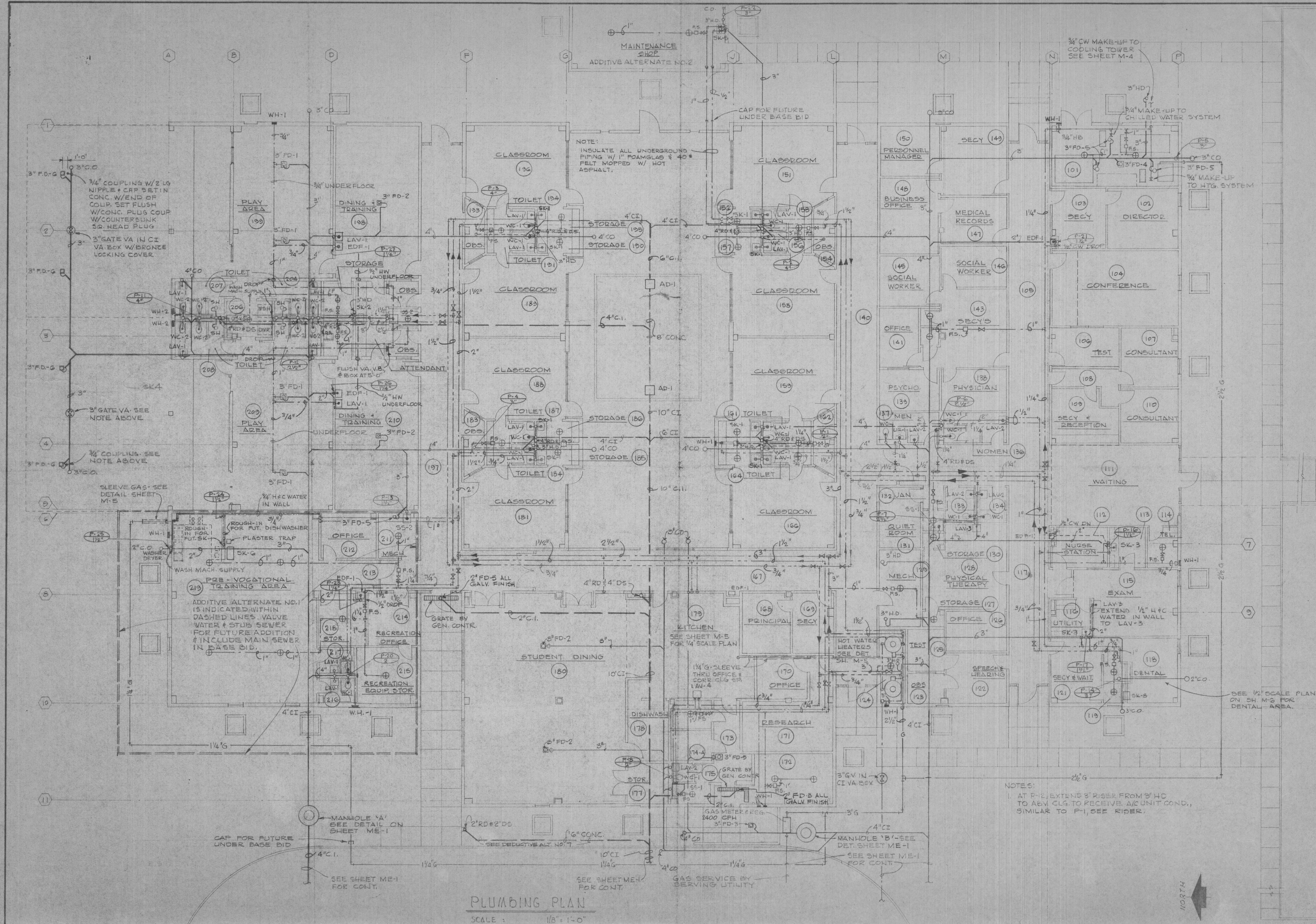
NOTES

1. INSTALL 1/2" GAUGE GALV. AUXILIARY DRAIN
PAN UNDER AHU'S-4 & AHU'S-5, WITH 3/4"
SIGHT DRAIN THRU CLG. AT NEAREST
SINK.
2. ALL SIDEWALL SUPPLY & RETURN GRILLES
OCCURRING OVER DOORS SHALL BE
CENTERED IN FAUCET OVER DOOR
3. PROVIDE FIRE DAMPER AT EACH CORRIDOR
SUPPLY & RETURN AIR GRILLE.
4. FURNISH CAST ALUMINUM VANDAL-
PROOF COVERS FOR ALL THERMOSTATS

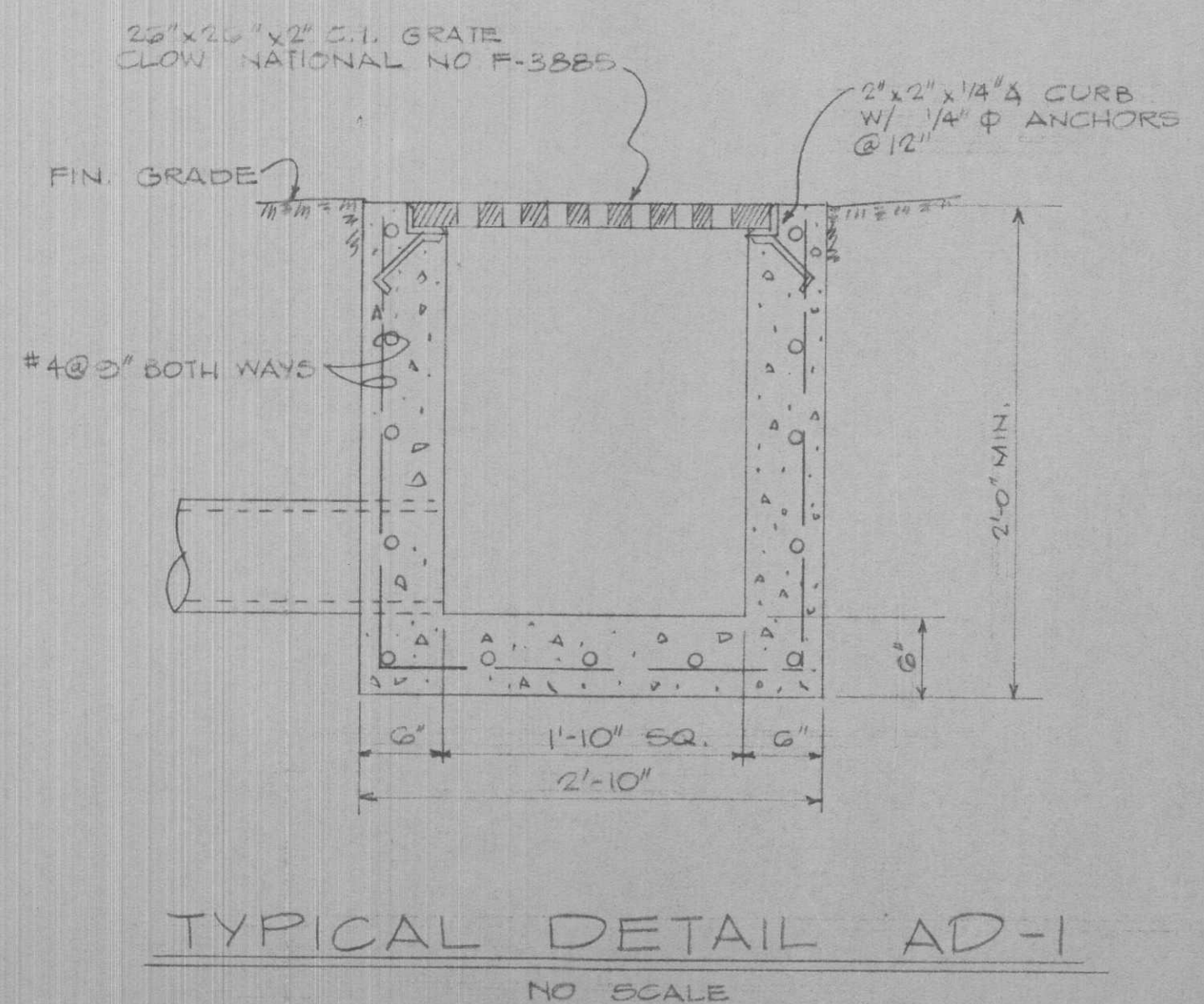
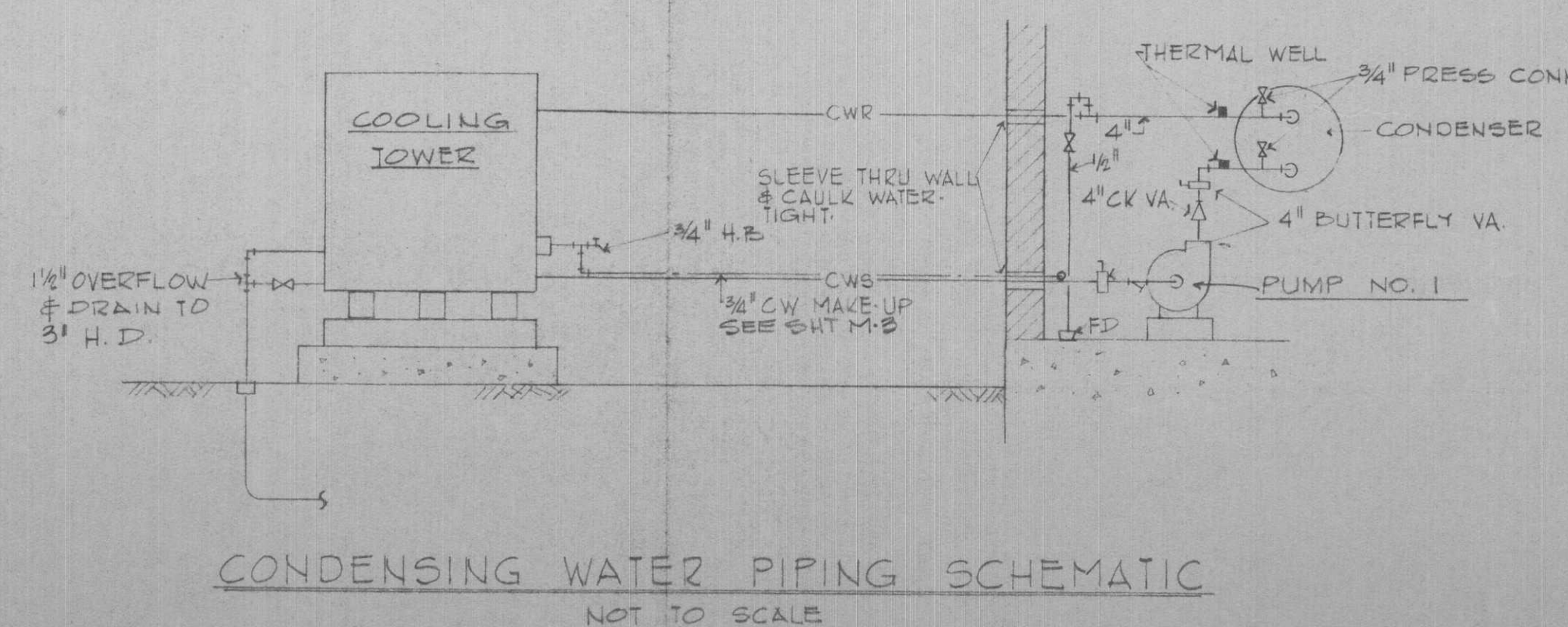
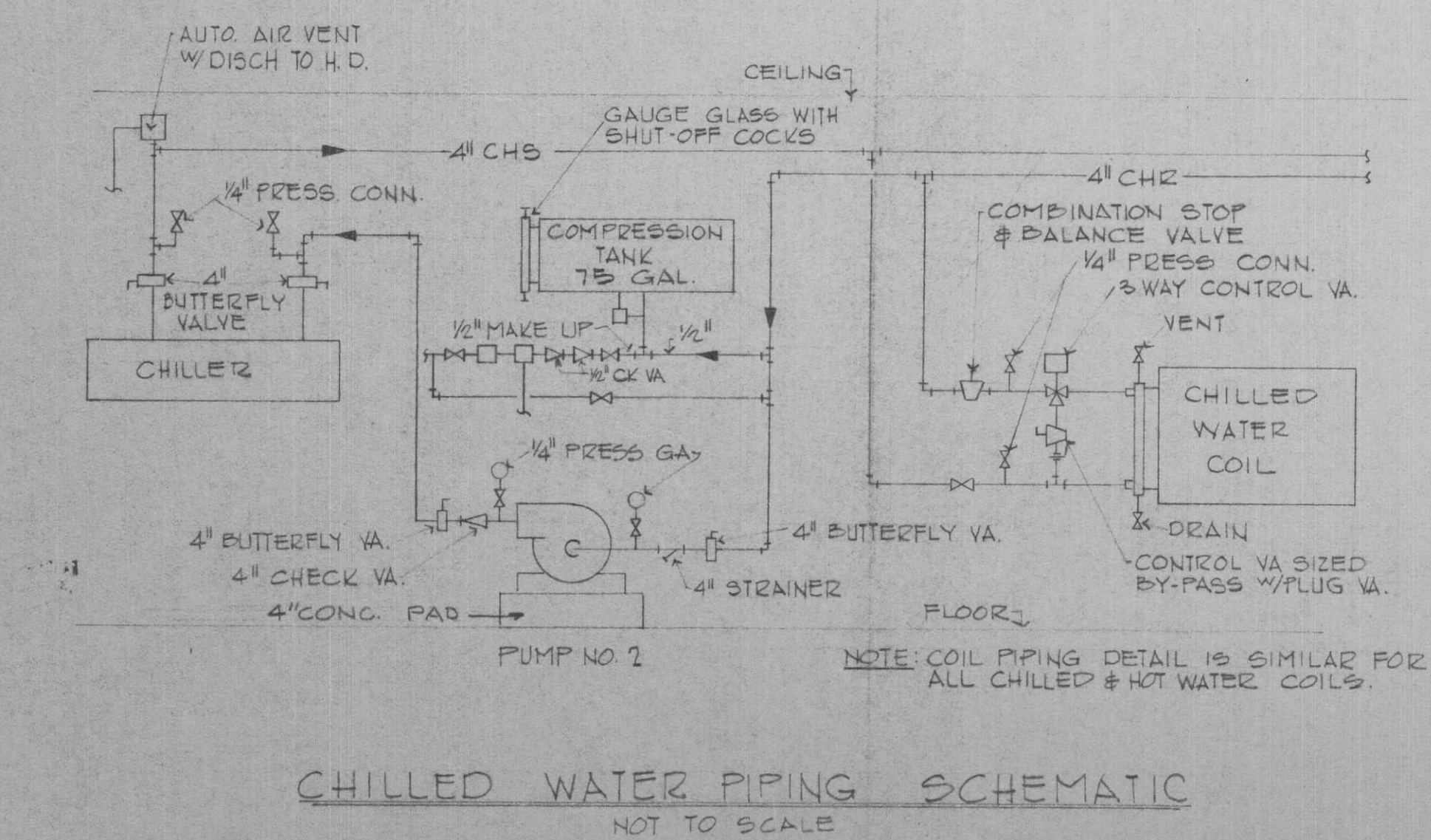
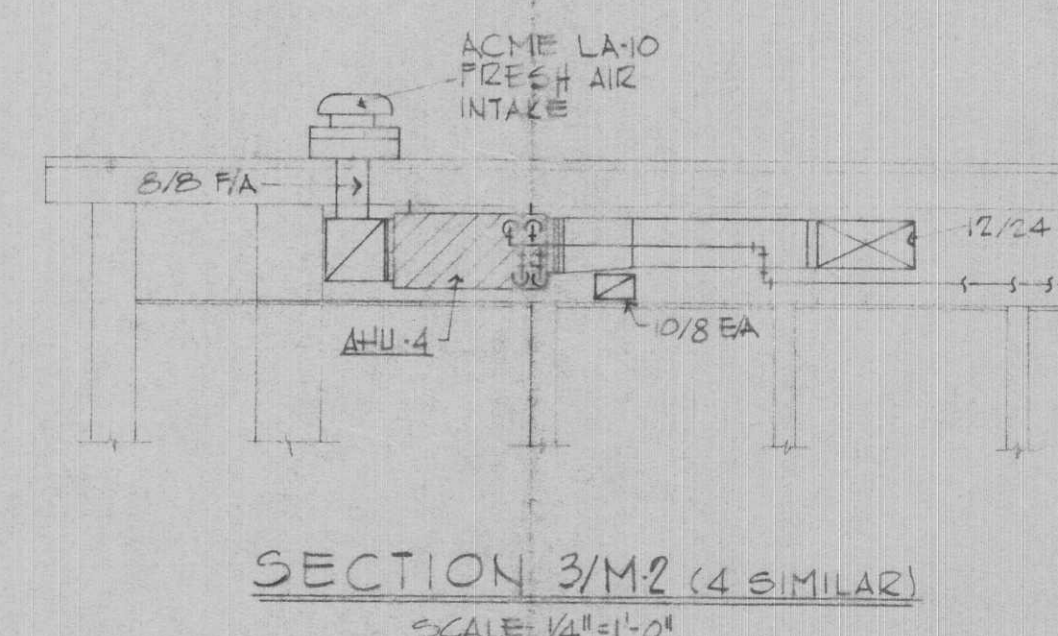
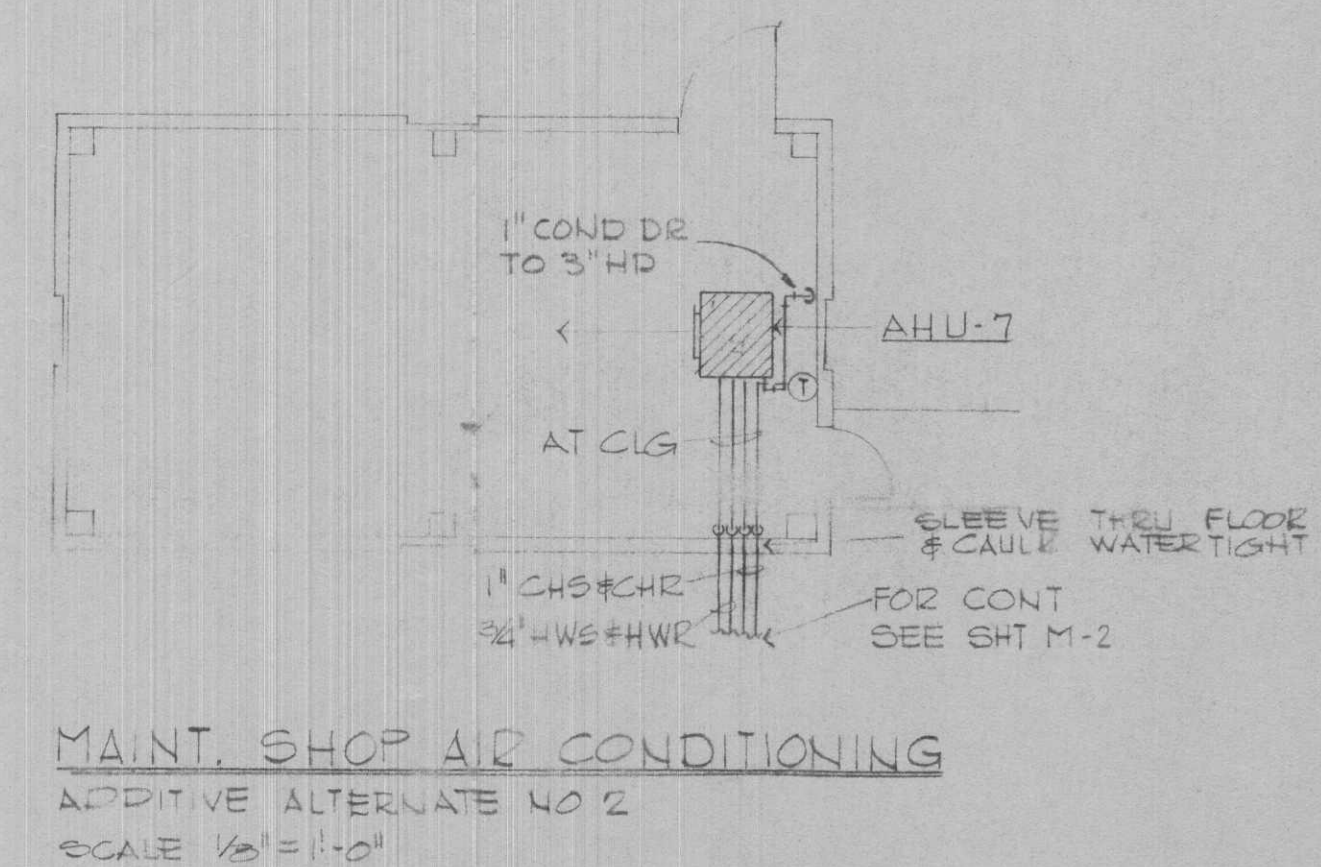
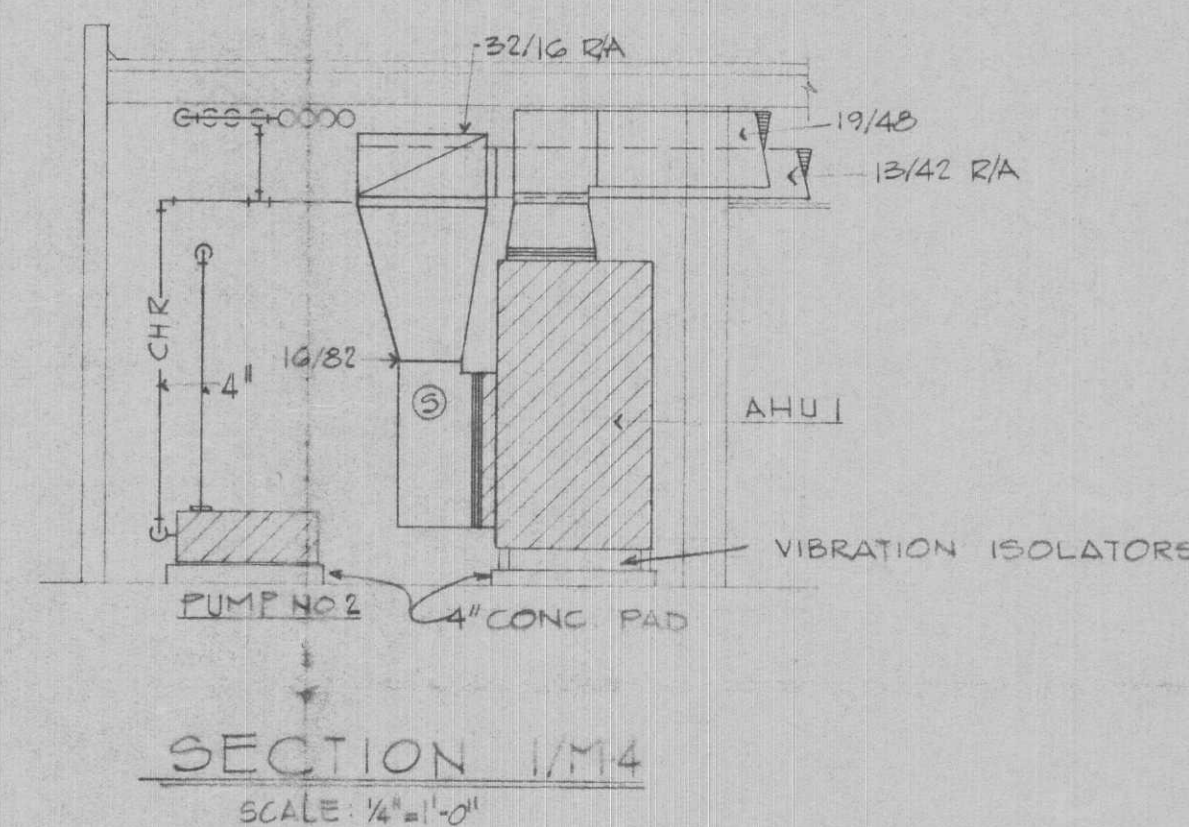
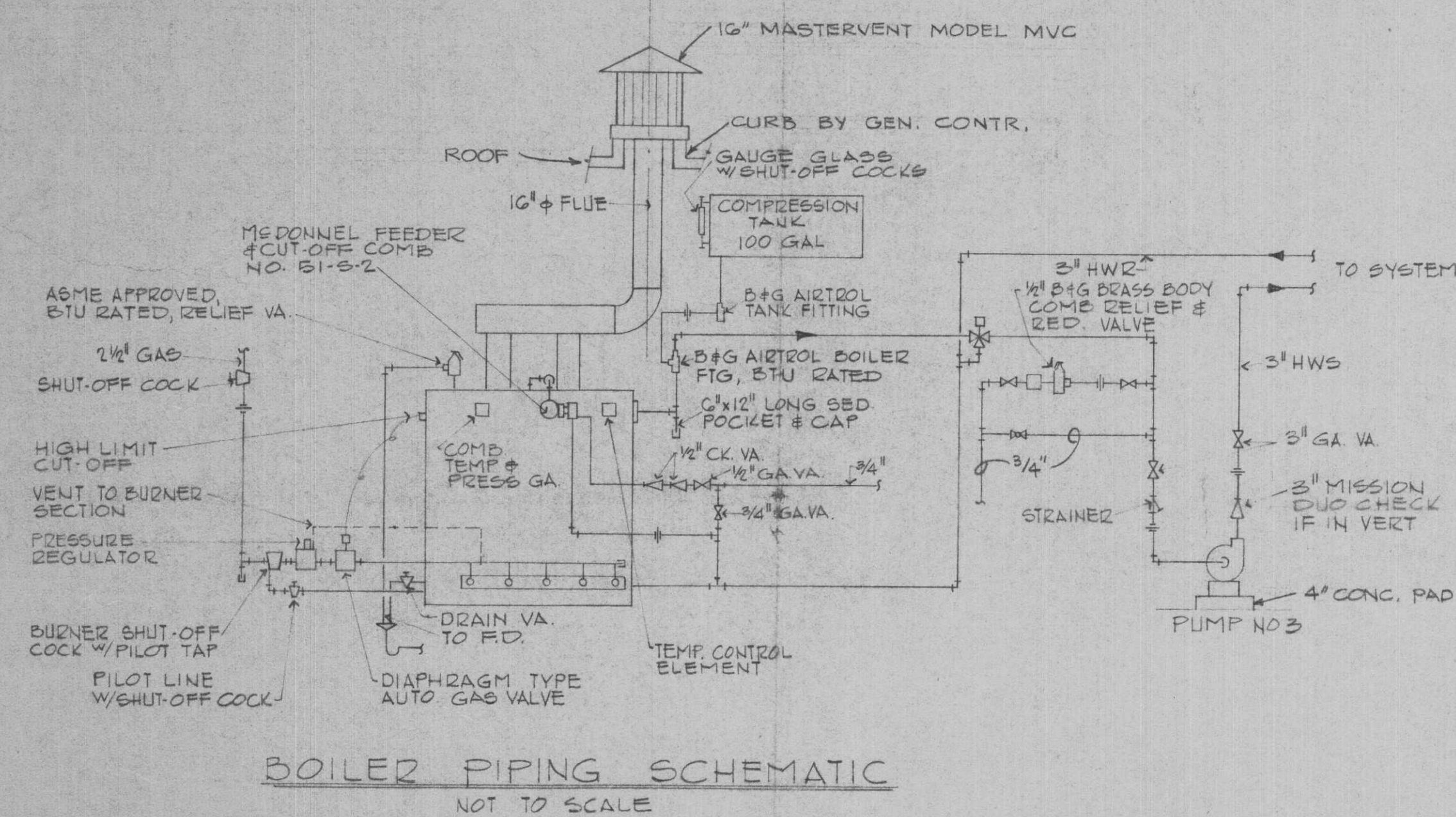
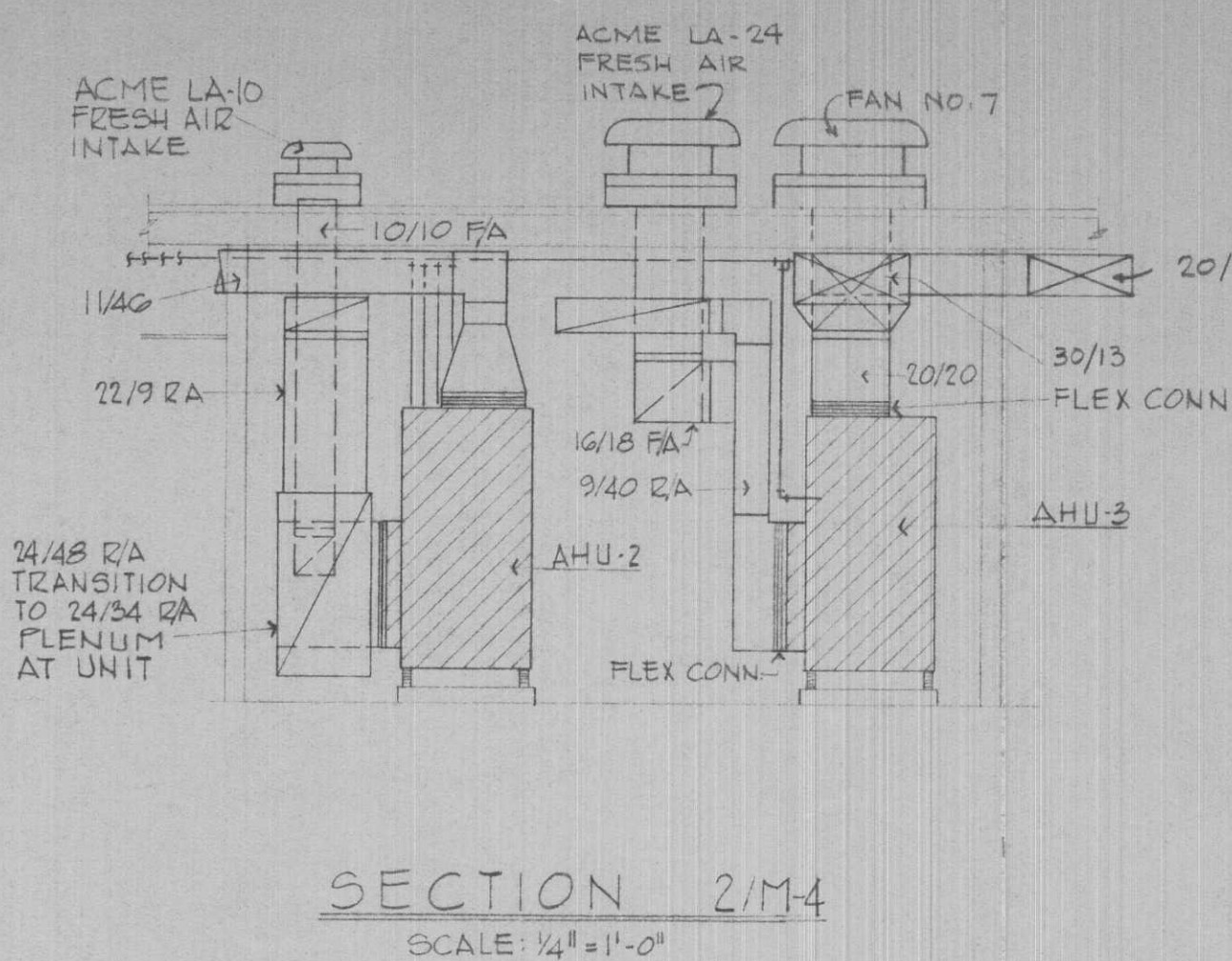
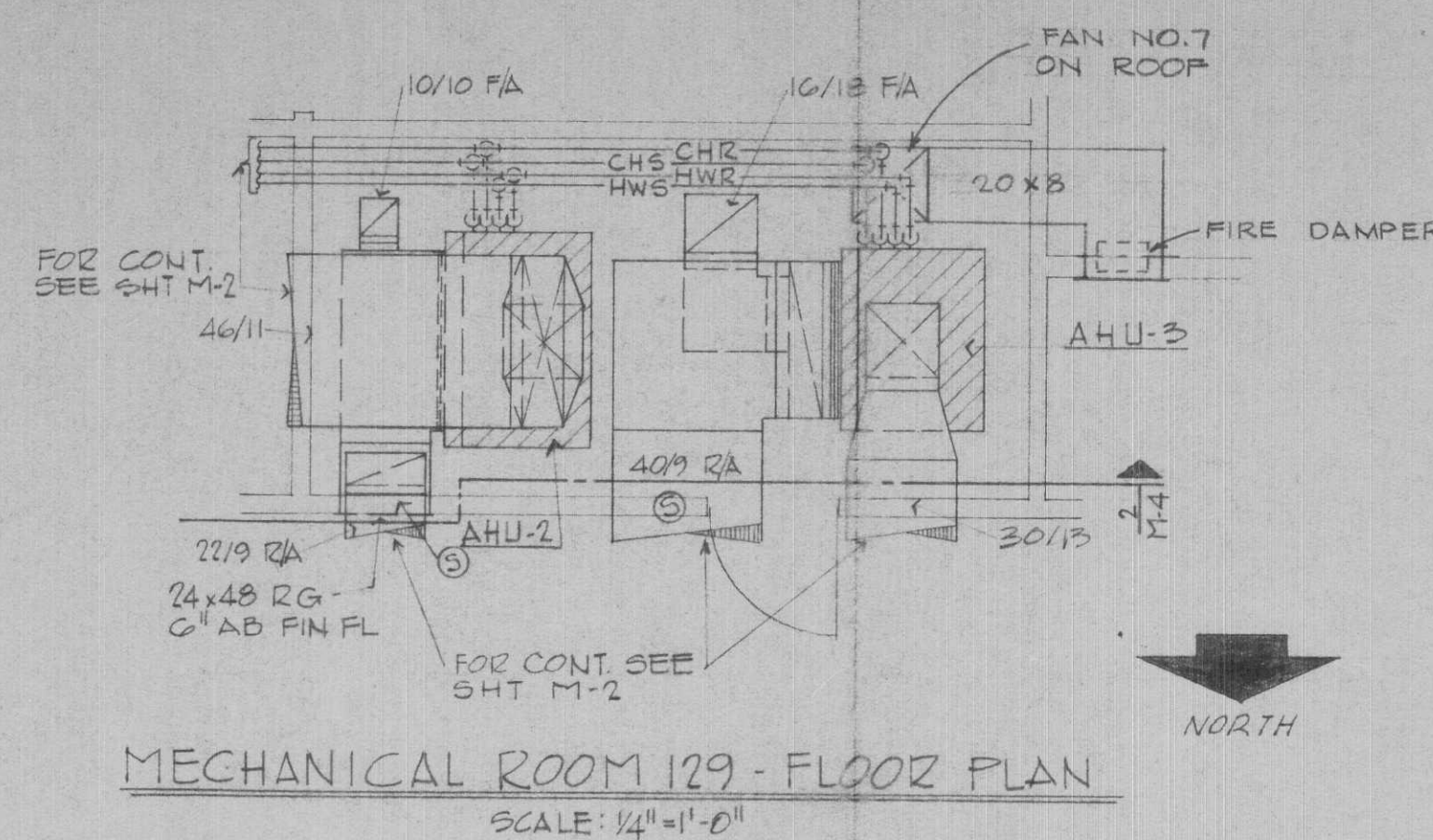
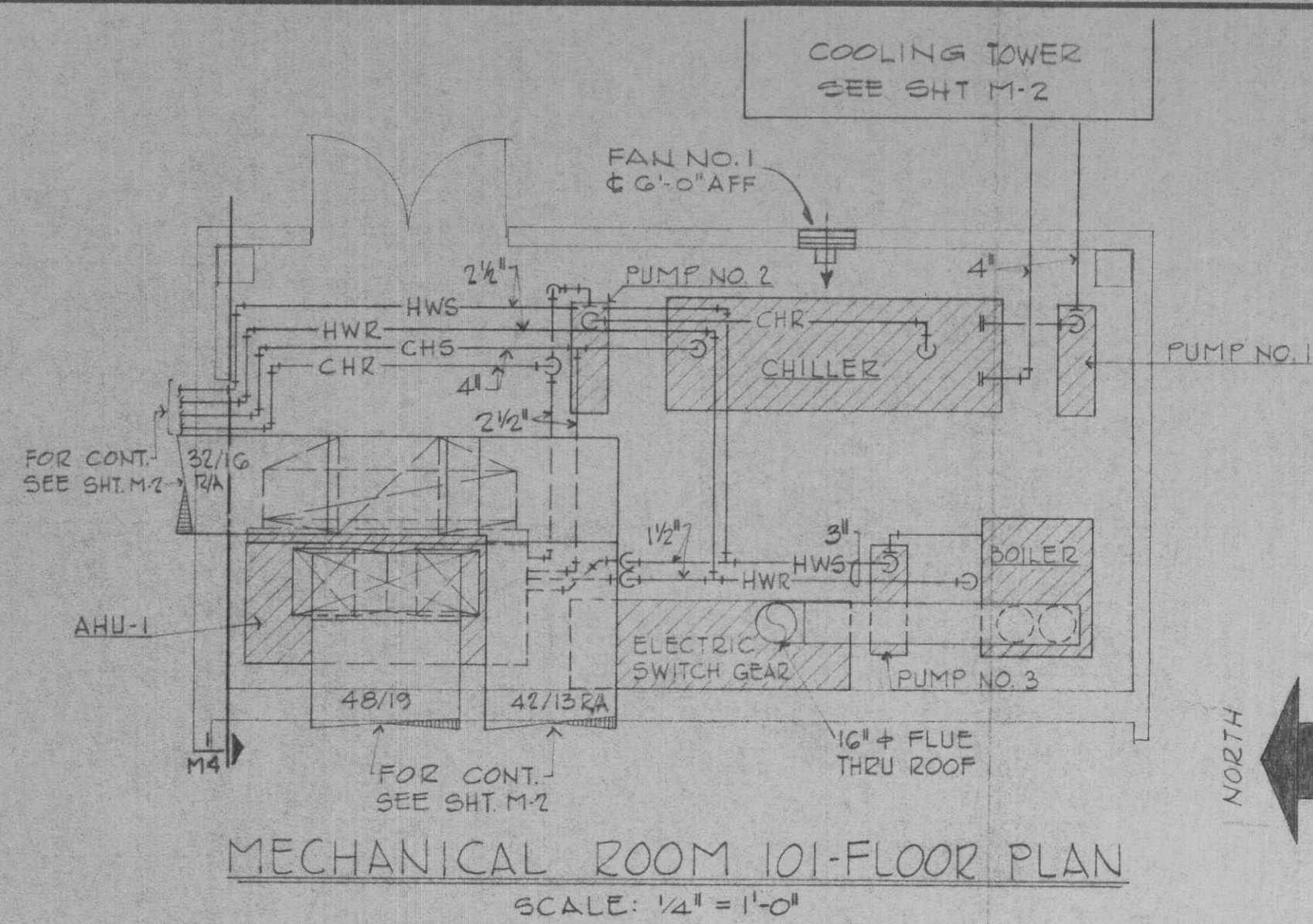
OUTLET & GRILLE LEGEND

GR	SUPPLY GRILLE
REG	SUPPLY REGISTER
CD	CEILING DIFFUSER
RG	RETURN GRILLE
RAGR	RETURN GRILLE
RR	RETURN REGISTER
EG	EXHAUST GRILLE
ER	EXHAUST REGISTER

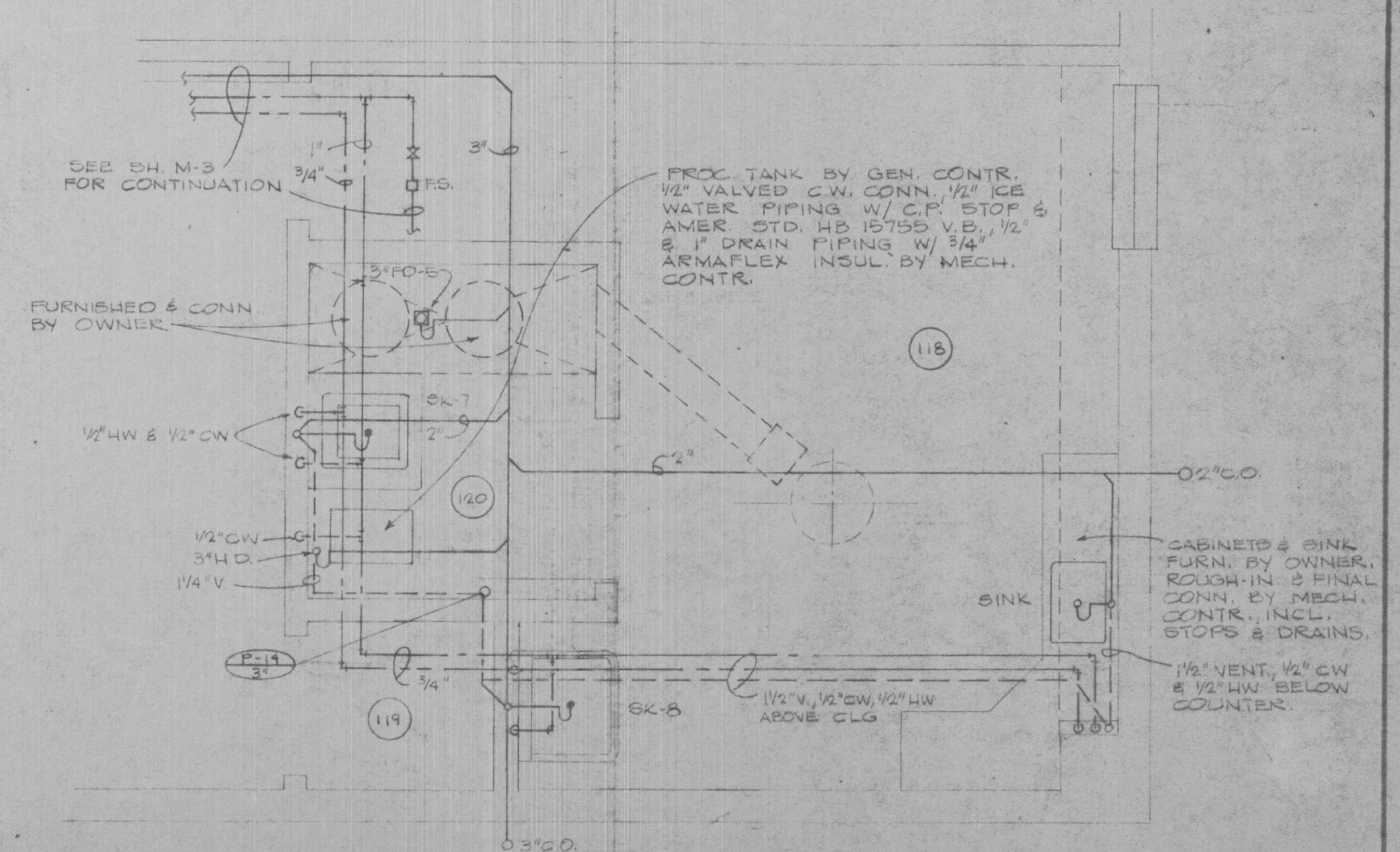
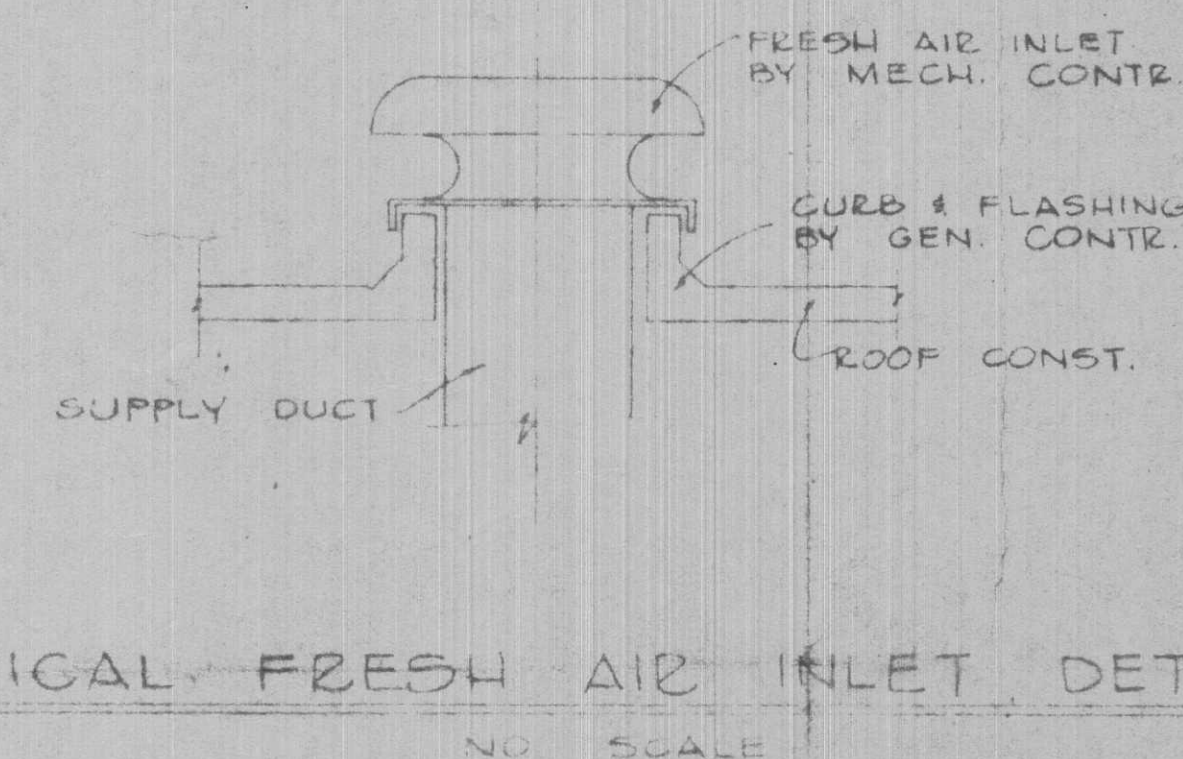
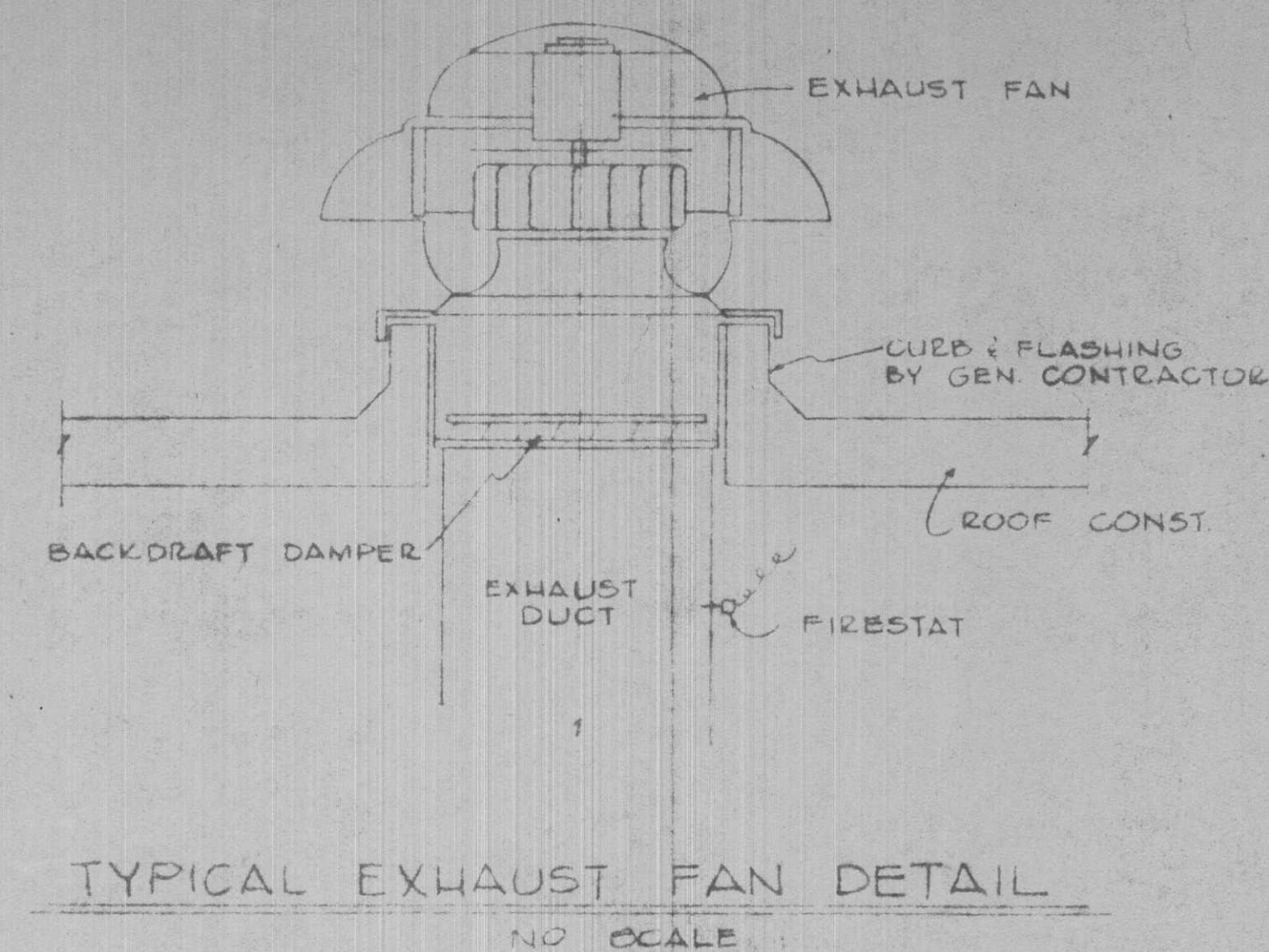
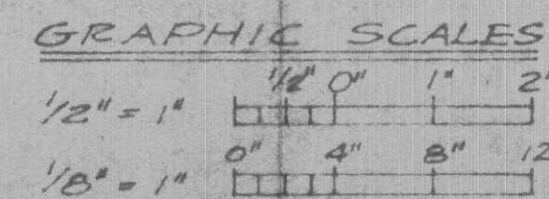
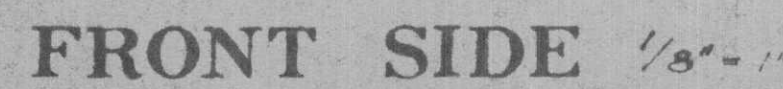
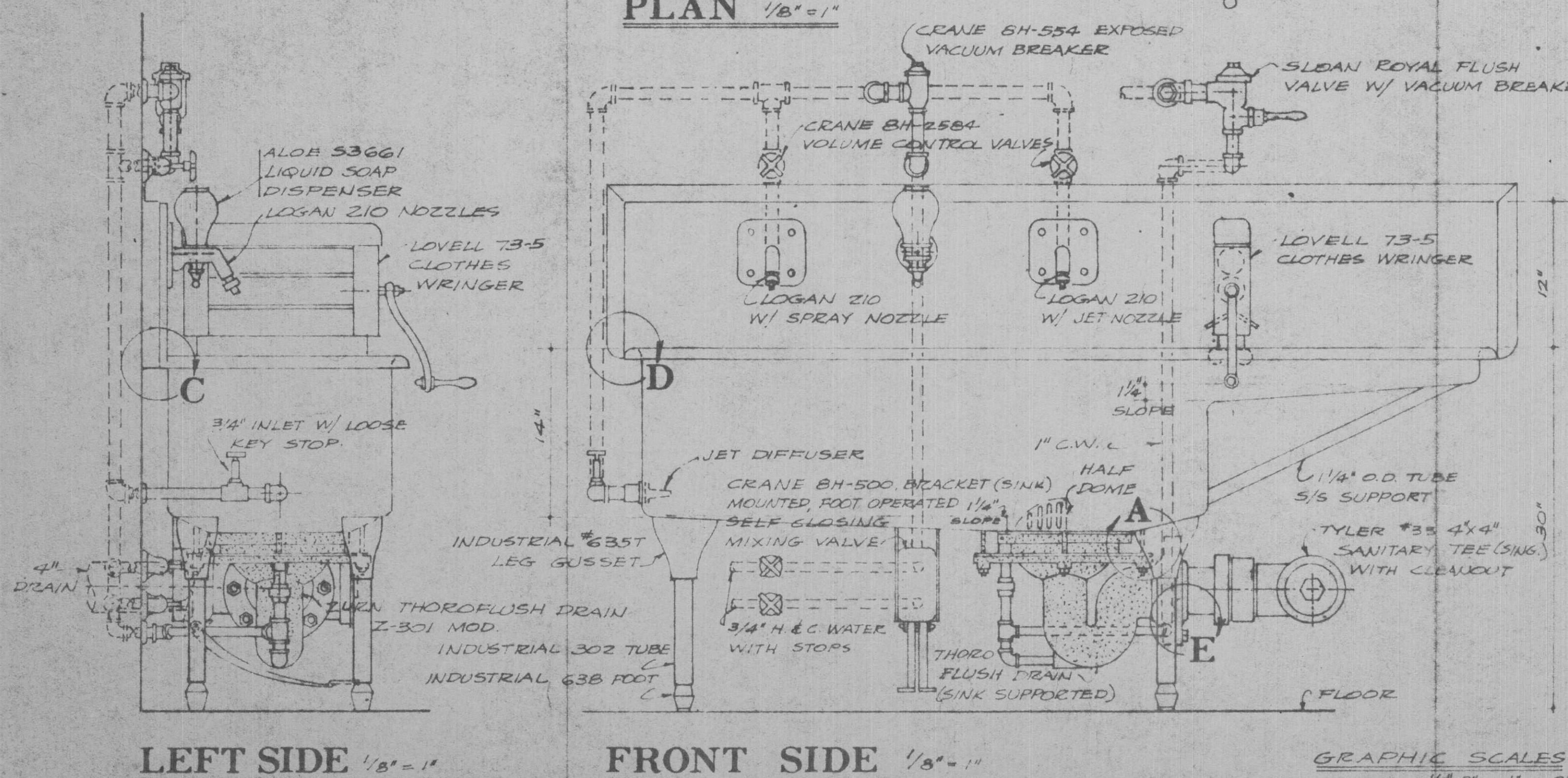
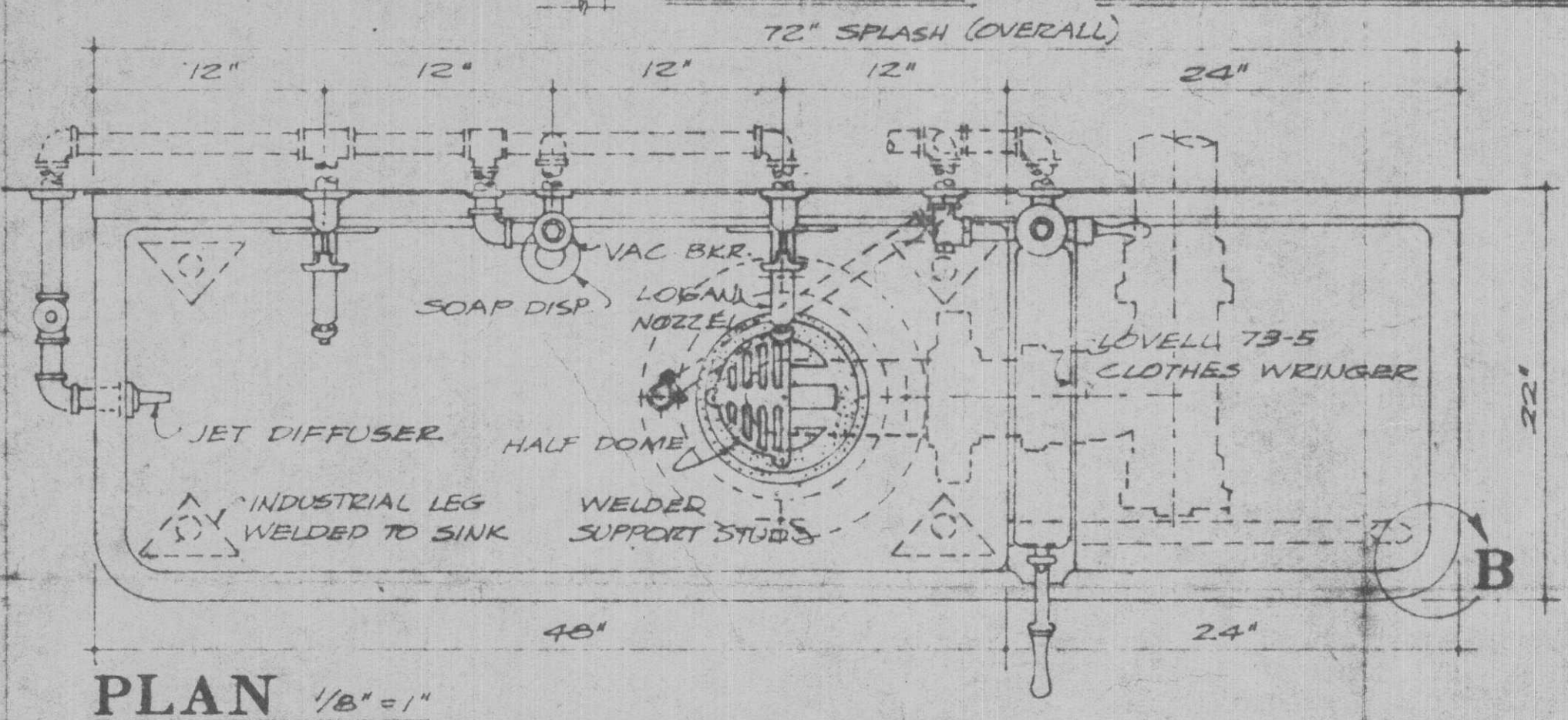
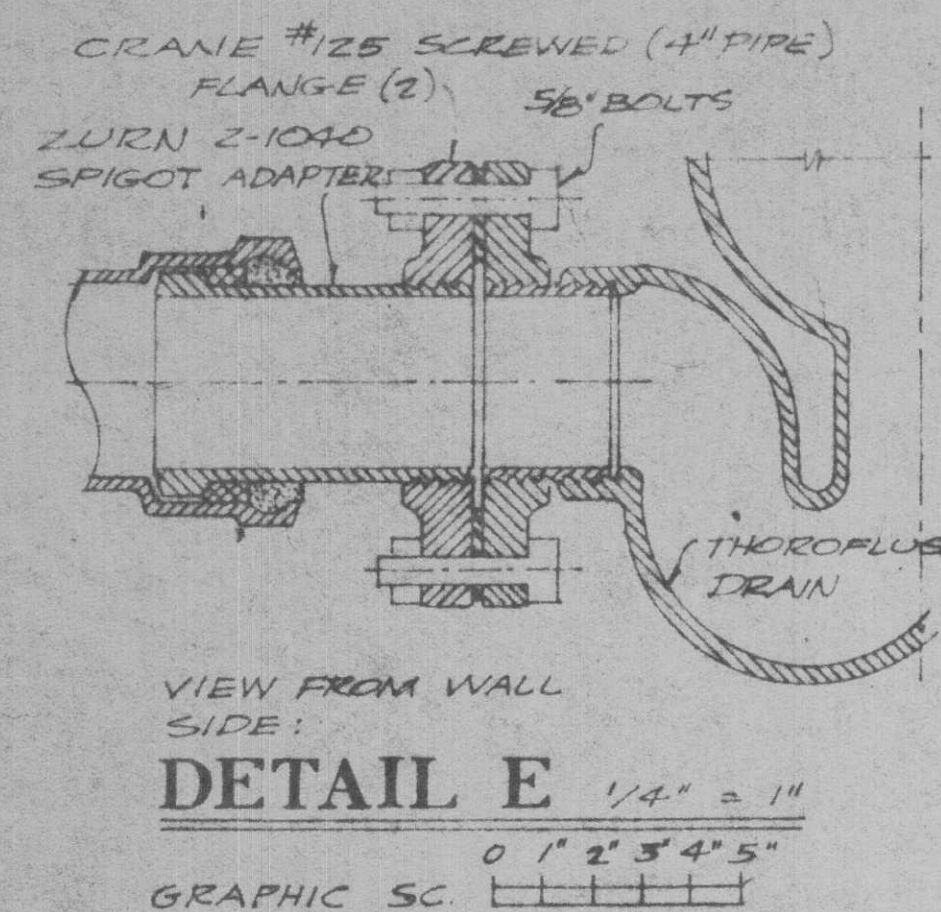
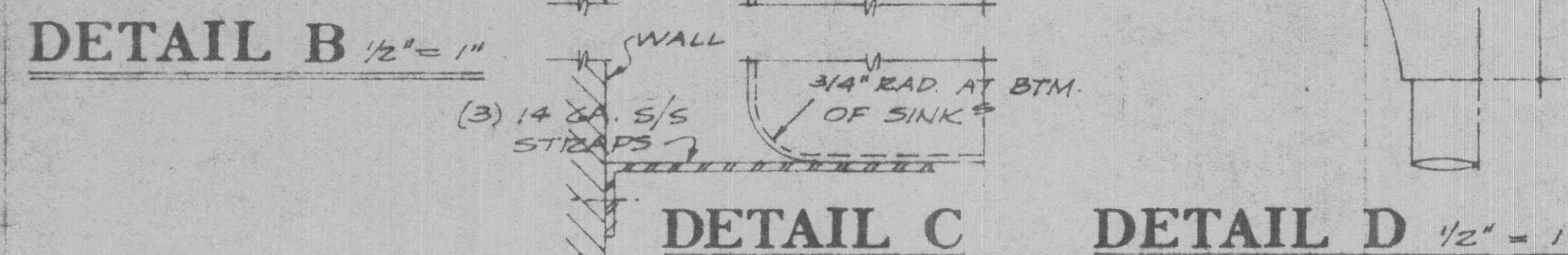
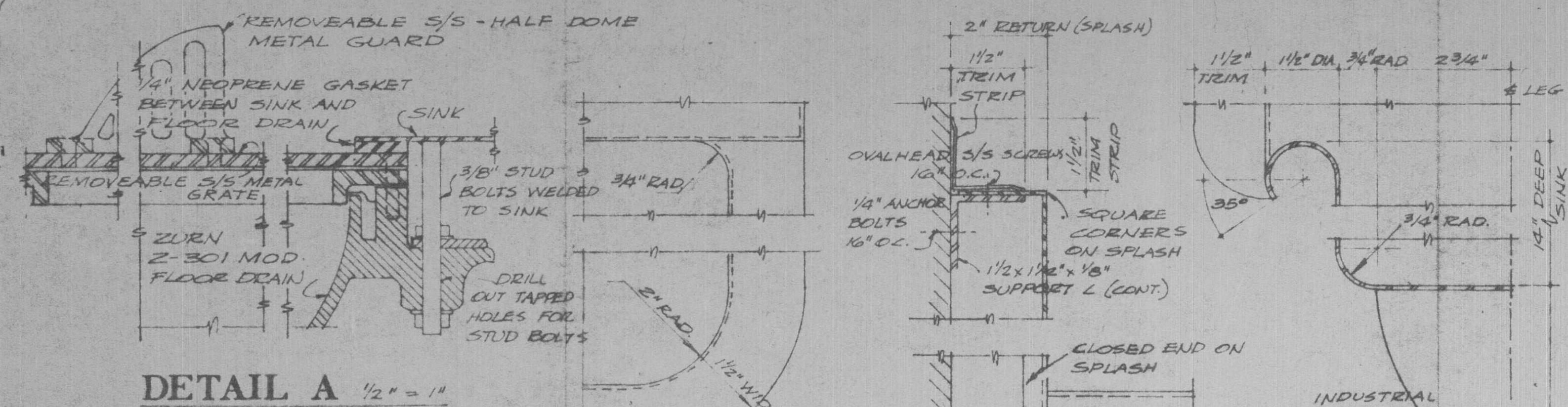
BEAUMONT COMMUNITY CENTER FOR RETARDED CHILDREN BEAUMONT, TEXAS		DOUGLAS E. STEINMAN ARCHITECTS BEAUMONT, TEXAS		ISSUED FOR		DATE		DRAWN BY			
TEXAS DEPARTMENT OF MENTAL HEALTH AND MENTAL RETARDATION PROJECT NO. 6-188-655		1610		NO.		1. PHASE II SUBMITTAL 2. PHASE III SUBMITTAL 3. OWNER REVIEW 4. BIDS IN CONSTRUCTION		1-15-67 1-25-67 1-12-67 3-5-67		RCS DWM FILE NO. 6004	



NO.	1.	PHASE II SUBMITTAL	DATE	6-18-66	ISSUED FOR	DRAWN BY	E.L.T.
	2.	PHASE III SUBMITTAL	DATE	6-18-66			
	3.	OWNERS REVIEW	DATE	12-27			
	4.	BIDS & CONSTRUCTION	DATE	3-8-67			
DOUGLAS E. STEINMAN ARCHITECTS BEAUMONT, TEXAS							
BEAUMONT COMMUNITY CENTER FOR RETARDED CHILDREN BEAUMONT, TEXAS TEXAS DEPARTMENT OF MENTAL HEALTH AND MENTAL RETARDATION PROJECT NO. 6-188-655							
SHEET NO. M-3 OF 6							

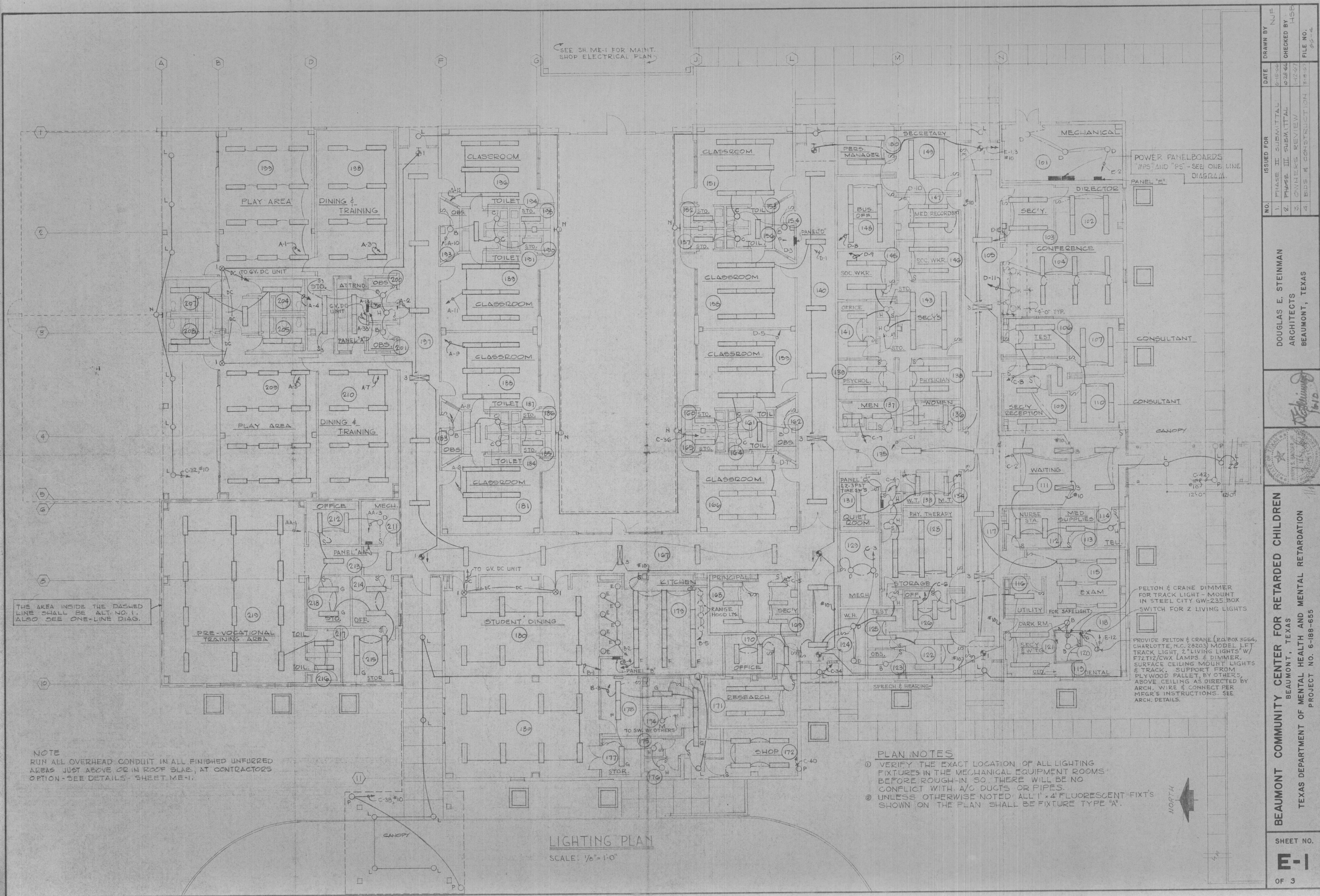


SHEET NO.		DRAWN BY	
M-4		E.C.B.	
OF 6		DATE	
		1-12-67	
		CHECKED BY	
		D.W.M.	
		FILE NO.	
		66-4	



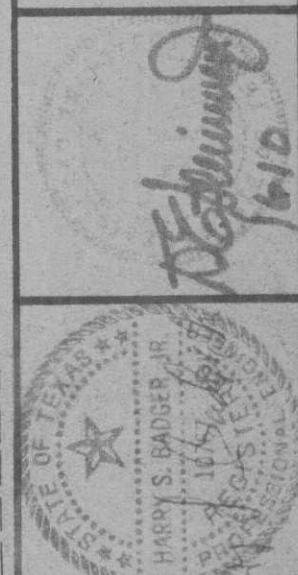
SINK SK-5 DETAIL
SCALE AS SHOWN

NOTE
SINK DRAIN: ZURN ZN-301 DURA COATED C.I. BODY
W/ INTEGRAL SIEEPAGE PAN, CLAMPING COLLAR, WHITE
A.R. PORC. ENAM. INT. & FLUSHING TRAP (1/2" CODN.)
SECURED N.B. GRATE; SECURED N.B. FLUSHING RIM;
MODIFIED W.N.B. HALF DOME STRAINER SECURED
TO GRATE; S.S. VANDAL PROOF SCREWS; SIX SPANNER
WRENCHES & TIPS FOR V.P. SCKWS

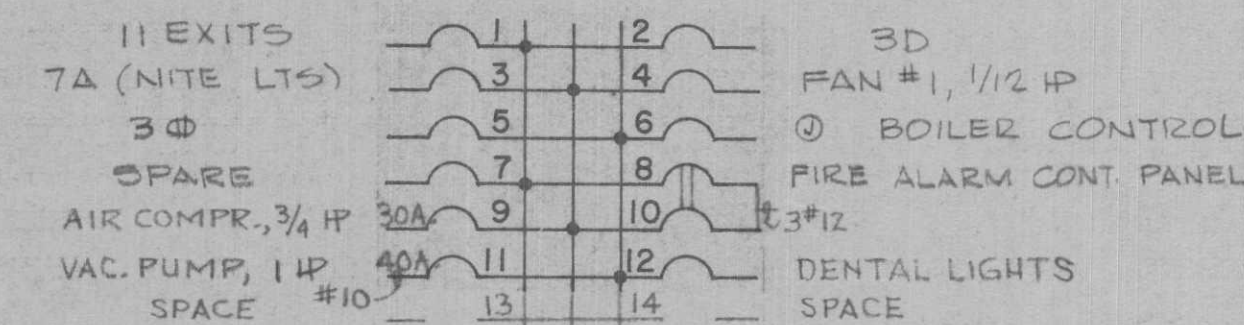
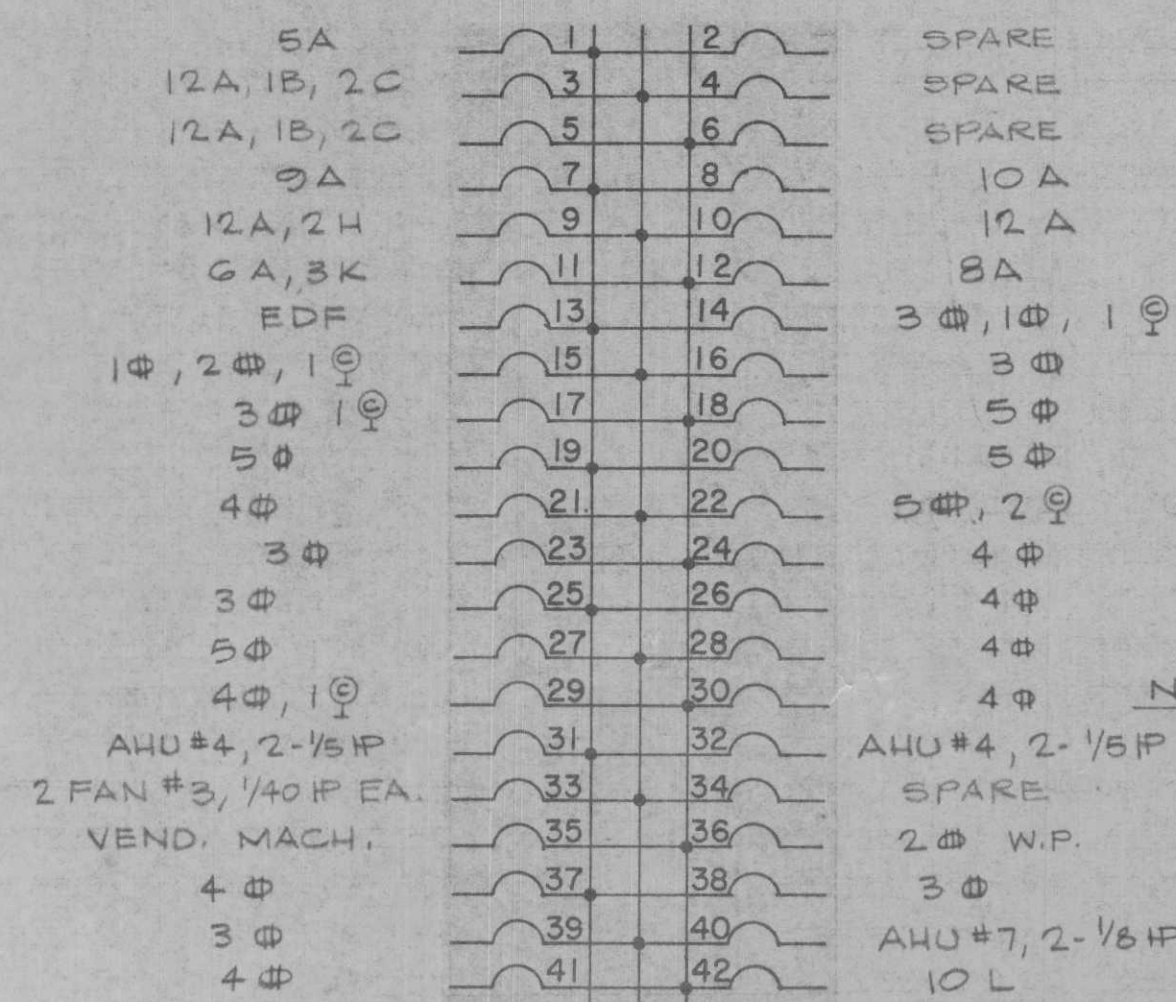
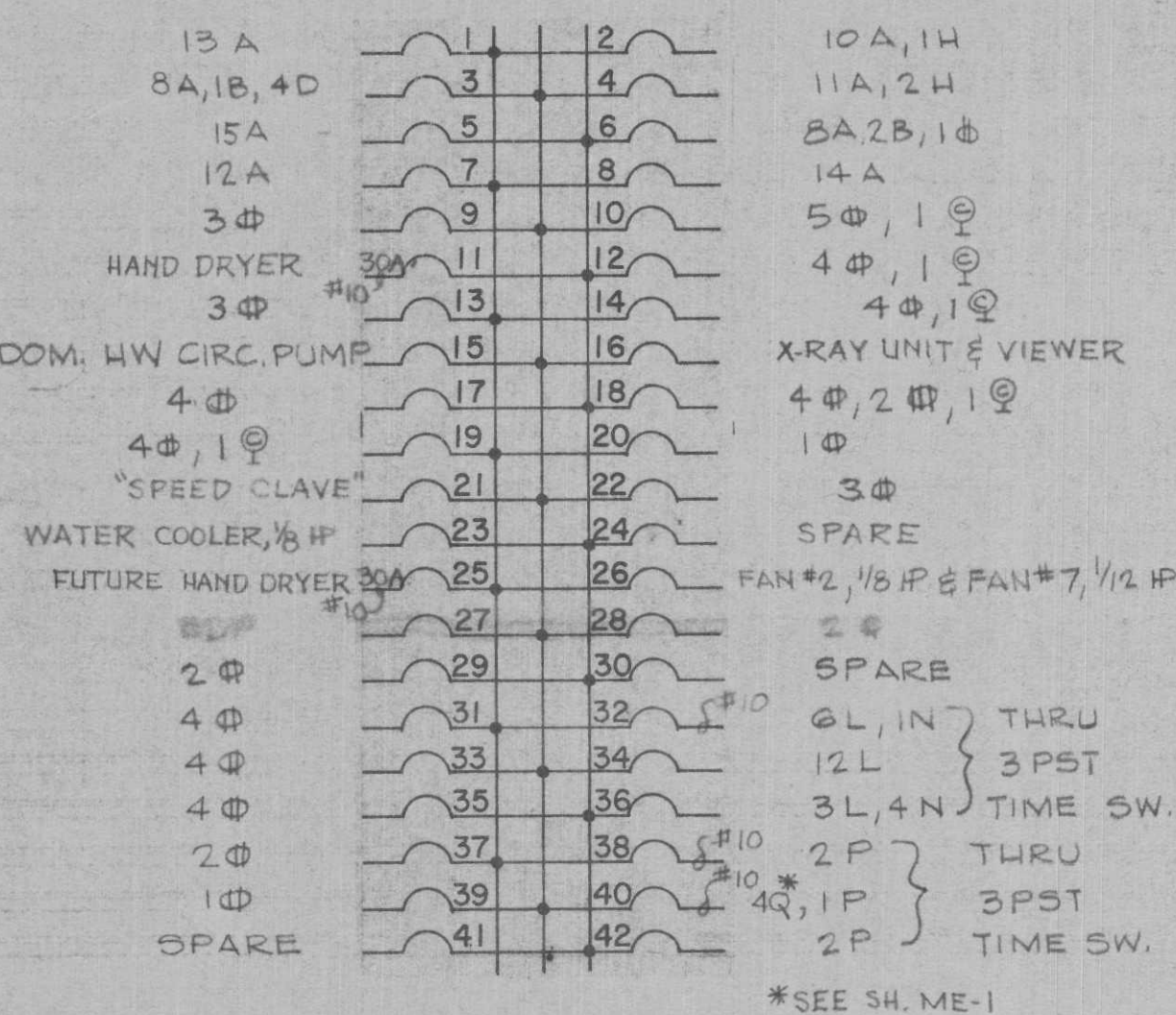
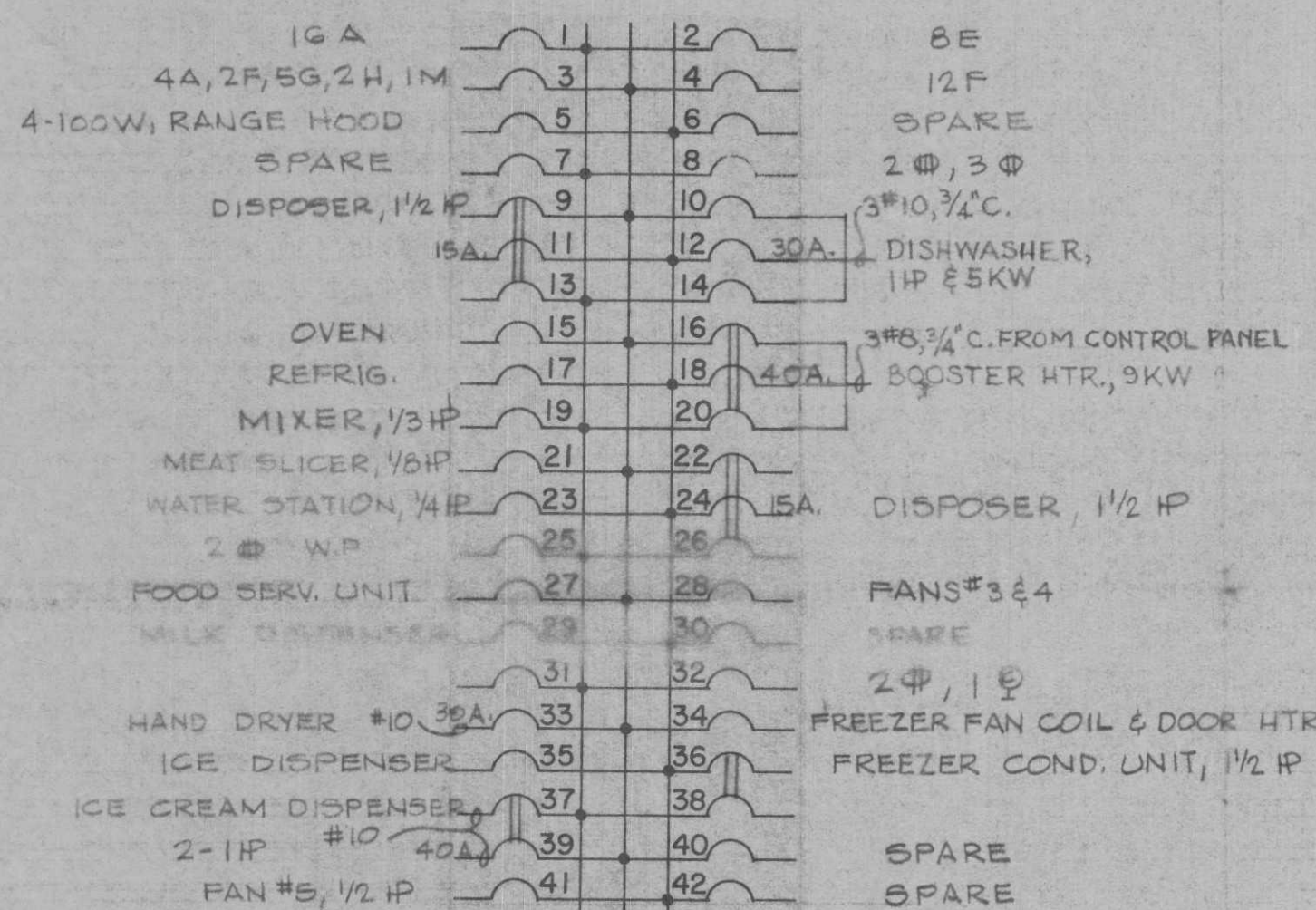
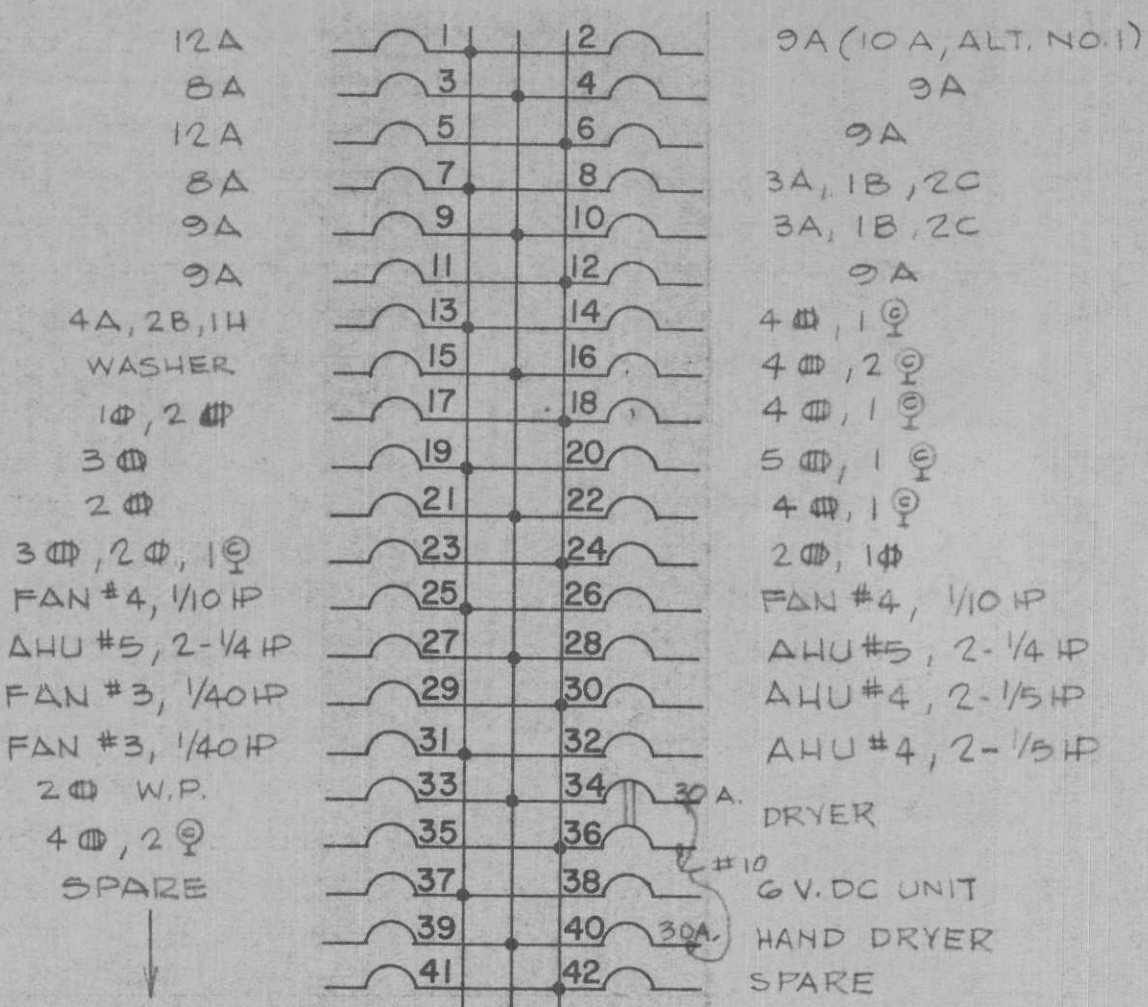
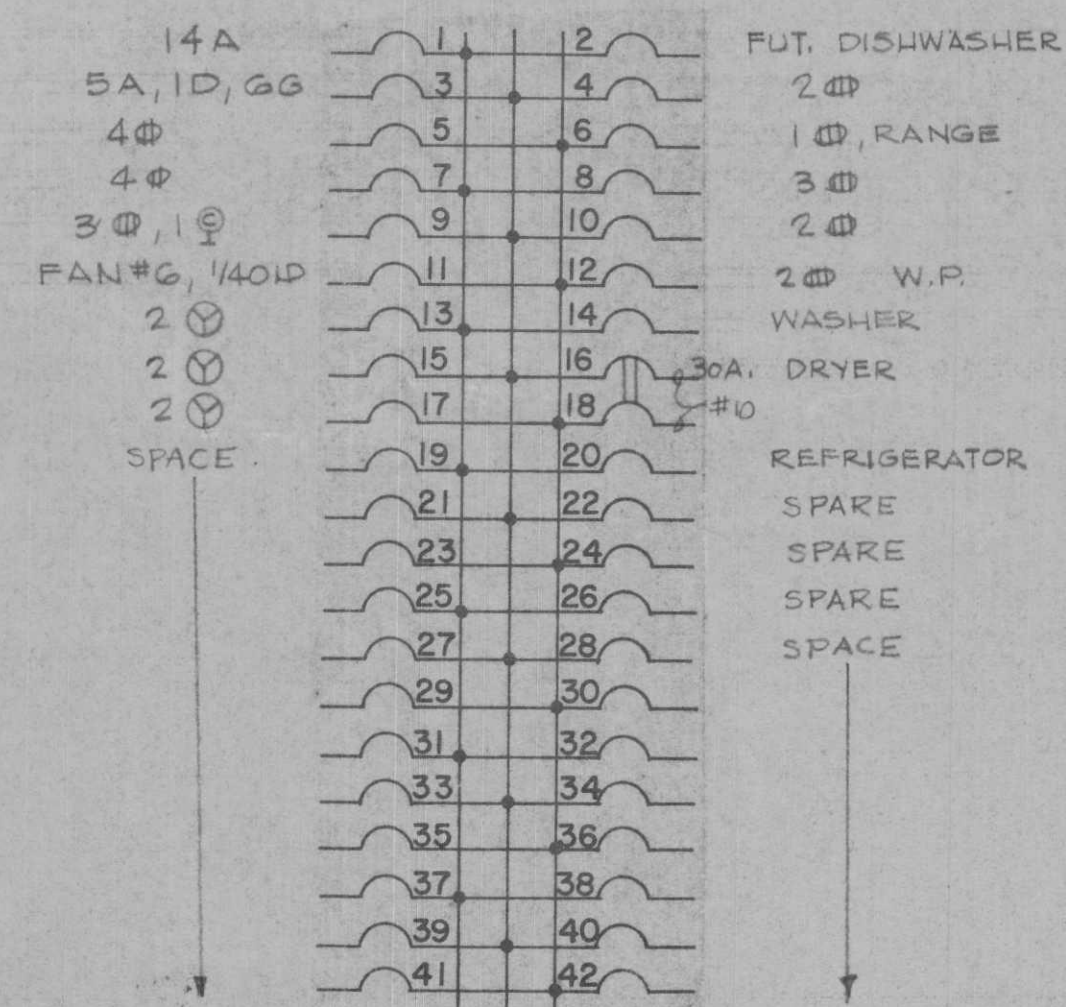


NO.	ISSUED FOR	DATE	DRAWN BY
1	PHASE II SUBMITTAL	6-15-64	NJF
2	PHASE III SUBMITTAL	9-25-64	HSB
3	OWNER'S REVIEW	1-2-67	
4	BIDS & CONSTRUCTION	3-8-67	

DOUGLAS E. STEINMAN
ARCHITECTS
BEAUMONT, TEXAS



BEAUMONT COMMUNITY CENTER FOR RETARDED CHILDREN
BEAUMONT, TEXAS
TEXAS DEPARTMENT OF MENTAL HEALTH AND MENTAL RETARDATION
PROJECT NO. 6-188-655



NOTES: 1. ALL PANELS SHALL BE 120/208V, 3PH, 4 WIRE LIGHTING PANELS.
2. UNLESS OTHERWISE NOTED, ALL C/B'S SHALL BE 20A, 1P.

SYMBOL	DESCRIPTION
⊙A	INCANDESCENT FIXTURE - LETTER INDICATES TYPE
⊙F	FLUORESCENT FIXTURE - LETTER INDICATES TYPE
⊙	FLUORESCENT FIXTURE ON NIGHT LIGHT CKT.
⊙	CLOCK OUTLET @ 7-6 & 5-45 CLOCK
⊙	JUNCTION BOX
⊙	EXIT, CEILING MOUNTED
⊙	EXIT, WALL MOUNTED W/ ARROW AS SHOWN
⊙	DUPLEX RECEPTACLE, 1/2" EXCEPT AS SHOWN
⊙	SINGLE PHASE MOTOR - HORSEPOWER AS NOTED
⊙	THREE PHASE MOTOR - HORSEPOWER AS SHOWN
⊙	SPECIAL RECEPTACLE - BRYANT #5262-S, BLACK
⊙	WALL TELEPHONE, 1/2" EXCEPT AS SHOWN
⊙	SPST SWITCH @ 4-6"
⊙	3 WAY SWITCH @ 4-6"
⊙	135° FIRE DETECTOR
⊙	180° FIRE DETECTOR, A=MOUNT IN ATTIC SPACE
⊙	INTERCOM SPEAKER
⊙	MASTER INTERCOM STATION
⊙	CONDUIT UNDERGROUND OR IN SLAB
⊙	CONDUIT IN WALL, CEILING OR ABOVE ROOF SLAB
⊙	INDICATES SWITCH LEG
⊙	HOME RUN TO PANEL - CKT. NOS AS SHOWN
⊙	TEL. C. HOME RUN TO BCKBD, 3/4" EXCEPT AS SHOWN
⊙	PANELBOARD
⊙	TELEPHONE BACKBOARD, 3/4"x4"x8" MARINE PLYWOOD
⊙	BATTERY EMERGENCY LIGHT
⊙	DISCONNECT SWITCH - SIZE AS NOTED
⊙	THERMOSTAT FURN. BY MECH. - INSTALL BY ELECT
⊙	MANUAL MOTOR STARTER
⊙	4#H 4710, SINGLE BA, 125V. RECP., CEILING MOUNT
⊙	INTERCOM SYSTEM WIRING
⊙	FIRE ALARM BREAK GLASS STATION, 4-5-0"
⊙	6" FIRE ALARM BELL, 4-7-6"
⊙	6 VOLT EMERGENCY DC WIRING
⊙	SPST SW. W/COVER & ENGRAVED "AIR CONDITIONING", 4-1-6"

LIGHTING FIXTURE SCHEDULE

TYPE	MFG. CAT. NO.	LAMPS	MTG.	REMARKS
A	COLUMBIA #FFX-240-M2	2-40W. RS	SURFACE	
B	PRESCOLITE #7808	1-60W. 1F	SURFACE	
C	PRESCOLITE #7810	2-60W. 1F	SURFACE	
D	BENJAMIN #V7643	1-150W. 1F	PENDANT	9'-0" ABOVE FIN. FLOOR
E	PRESCOLITE #1220-920	1-150W. R-40	RECESSED	
F	WHEELER #CL240DP	2-40W. RS	SURFACE	
G	COLUMBIA #FS-140-M4	1-40W. RS	SURFACE	
H	P#544	1-100W. 1F	SURFACE	
K	PRESCOLITE #7458	1-100W. R-40	RECESSED	
L	M#PHILBEN #43-87	2-60W. 1F	SURFACE	
M	BY OTHERS	1-100W. 1F	BY OTHERS	
N	APPLETON G600-W/2-G801	2-75W. PAR 38 FL	HORIZ.	9'-0" ABOVE FIN. GRADE
P	APPLETON G-6000-5	1-500W. 120V. T3Q/CL/RS	ROOF	PROVIDE G-6010 LOUVER & G-1040 CROSSARM MOUNTING - CONNECT UNMOUNTED FIRST TO PERMIT ARCH. TO SELECT EXACT MOUNT. LOCATION IN THE FIELD.
Q	SHALDA 729-2	1-40W. RS	PLANTER	VERIFY EXACT MNTG. LOC. W/ARCH.

EXIT LIGHTS

- ⊙ ALKCO #2PW-110-E
- ⊙ ALKCO #2PW-110-E-R
- ⊙ ALKCO #2PW-110-E-L
- ⊙ DUAL-LITE X-3000P

