

NOTE:
 DASH LINES INDICATE WORK BY
 MECH. CONTRACTOR IN BID PACKAGE 'A'
 HALF TONE LINES INDICATE
 EXISTING CONDITIONS
 OR
 WORK BY OTHER CONTRACTOR
 OR
 FUTURE BID PACKAGE WORK

Remove existing 4"
 Corrugated Neoprene
 Paraffin Pipe

Remove existing 4"
 Corrugated Neoprene
 Paraffin Pipe to this point

Cap existing 3" PVC
 Sprinkler Man

LEGEND

SYMBOL	DESCRIPTION
(Symbol: Dashed line)	SANITARY SEWER (EXISTING)
(Symbol: Solid line)	WATER (EXISTING)
(Symbol: Dotted line)	GAS (EXISTING)
(Symbol: Dash-dot line)	STORM DRAIN

LEGEND
 symbol

NOTES:
 THE
 THE
 ENLARGED
 DRAWING
 WILL

phase two facilities:
ARAPAHOE
 COMMUNITY

stage pro
 213

drawing
 MECHANIC
 SITE
 REMOVAL
 PLAN

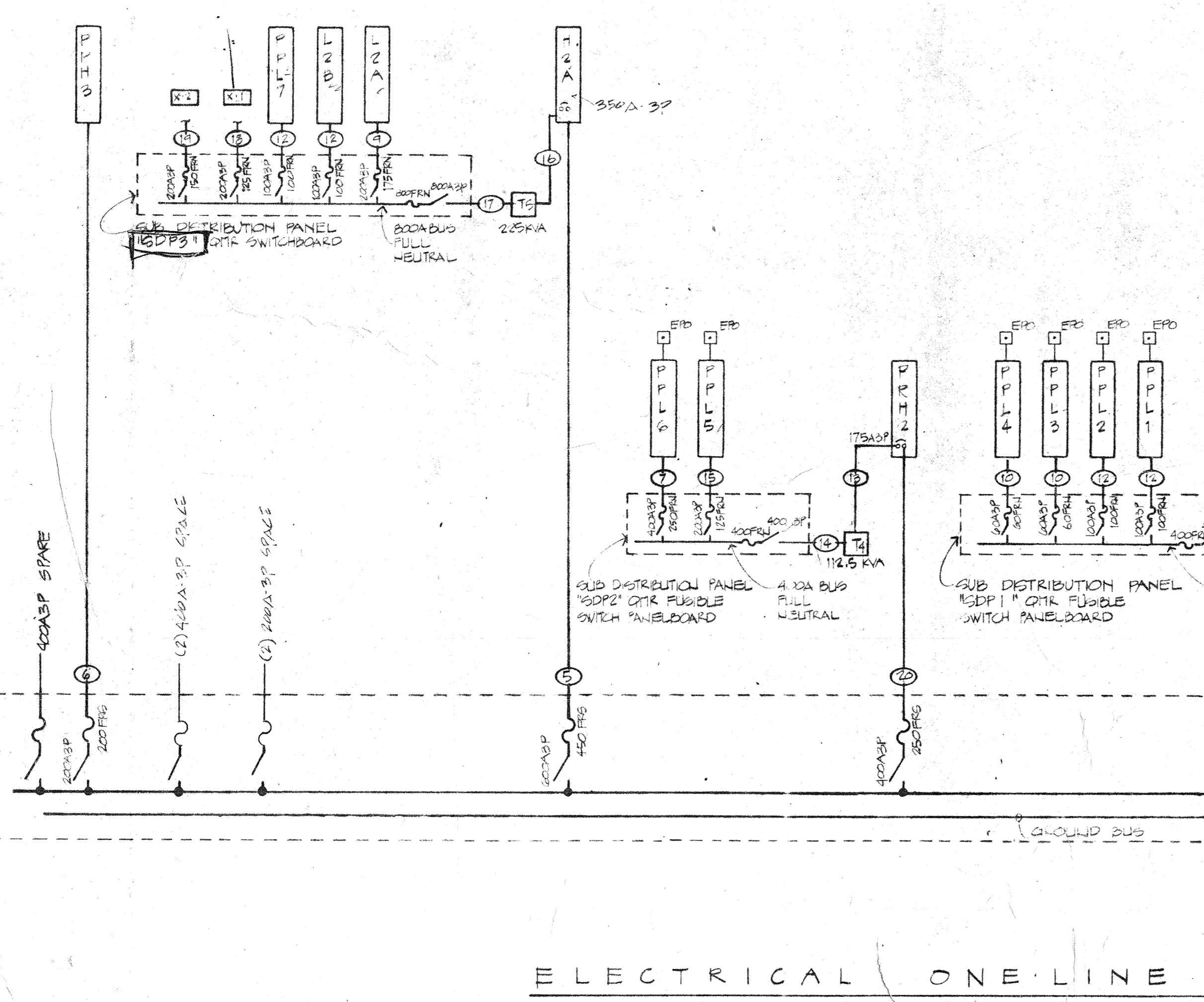
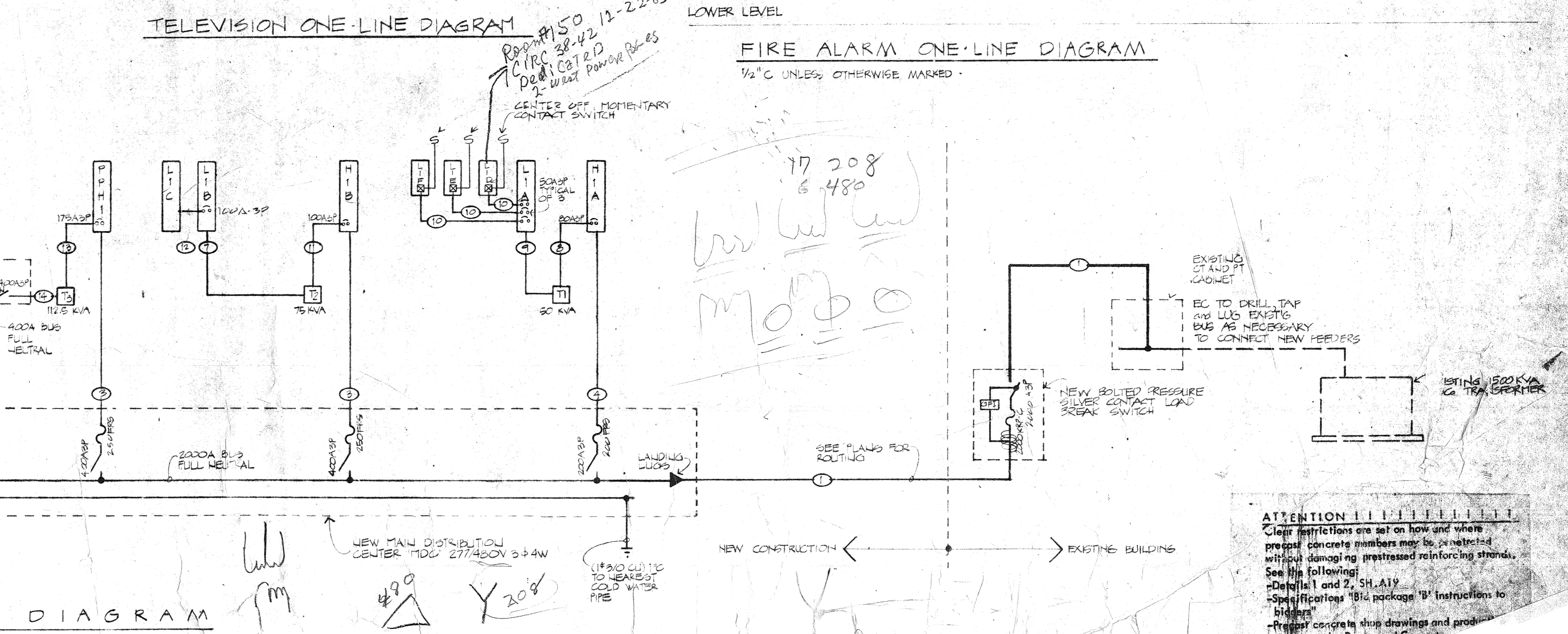
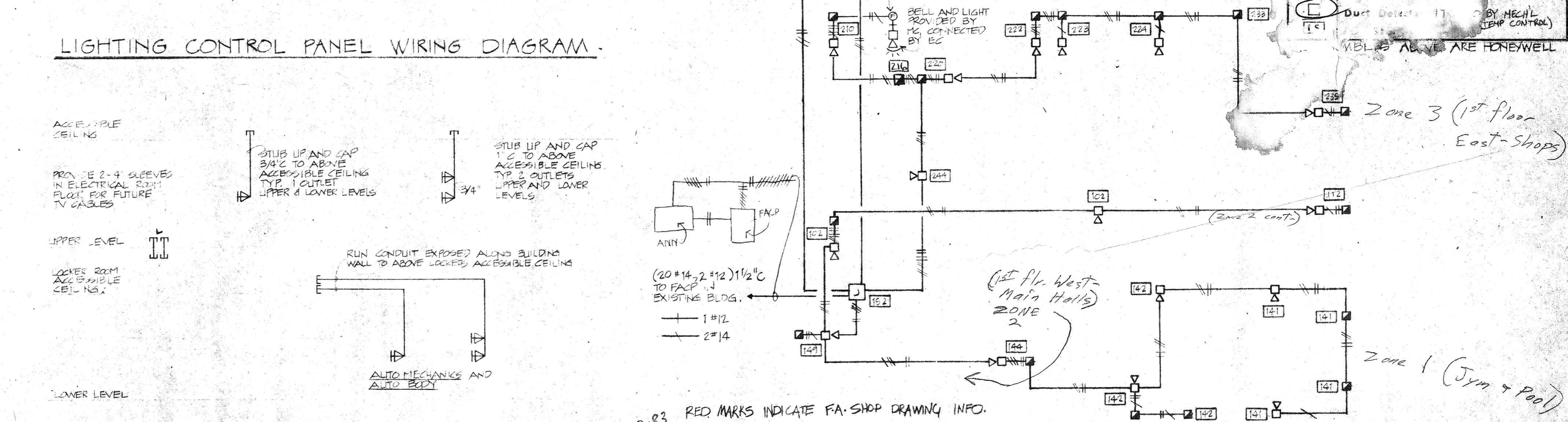
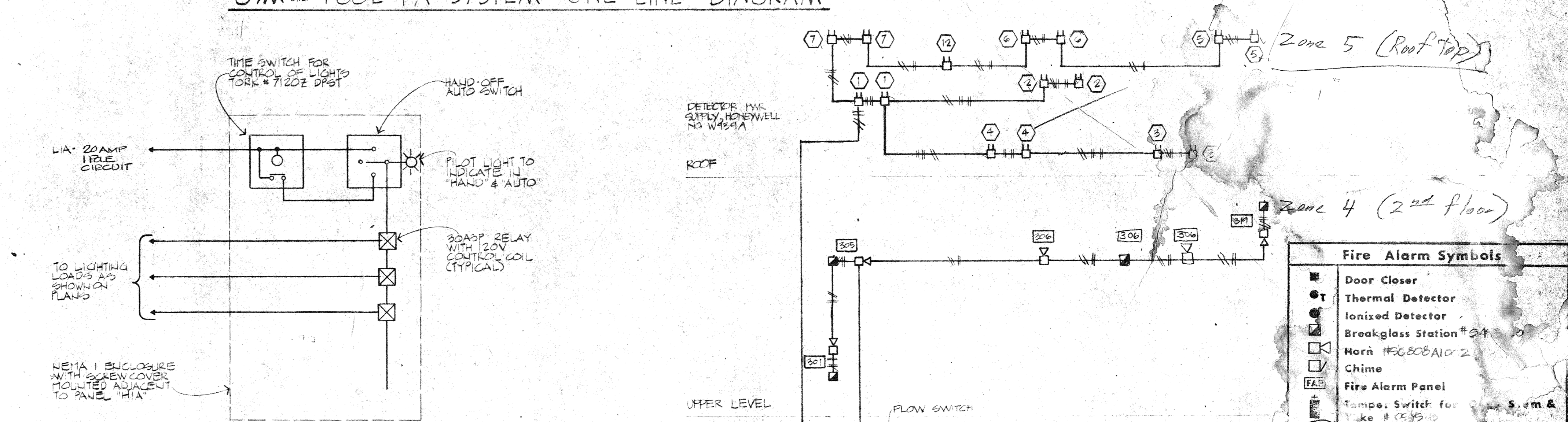
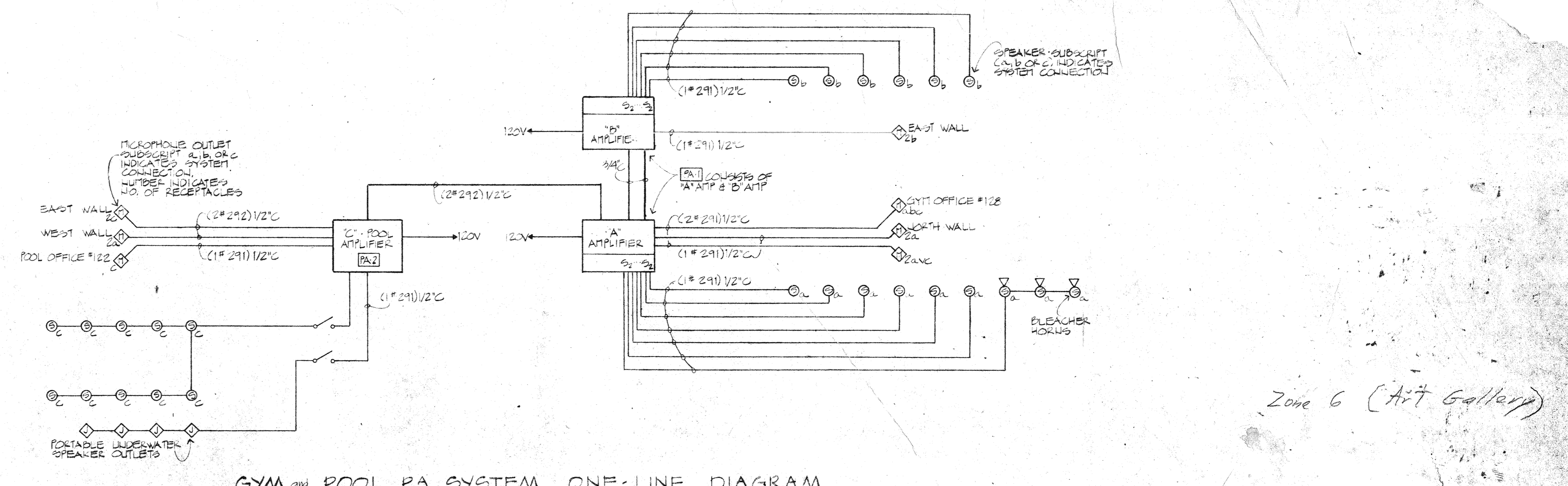
LEGEND

SYMBOL	DESCRIPTION
(Symbol: Dashed line)	SANITARY SEWER (EXISTING)
(Symbol: Solid line)	WATER (EXISTING)
(Symbol: Dotted line)	GAS (EXISTING)
(Symbol: Dash-dot line)	STORM DRAIN

522

Panelboard Schedule													
Panel	Size	Wires	Mains	Branch Circuit Breakers	Enclosure	Design	Remarks or Modifications						
Panel	Size	Wires	Breaker	Active	Spare	Panel Type	Max. Panel Rating (kW)	Dimensions (HxWxD)	Weight (lb)	Notes	Remarks or Modifications		
H1A	277/480	3	4	225A	38-20AIP, 1-80AIP	5-20AIP NHD	1	42	22	5 3/4"	104.4	SPLIT BUS 100AIP CONTACTOR	
H1D	277/480	3	4	225A	17-20AIP, 1-100AIP, 1-20AIP	5-20AIP NHD	1	42	22	5 3/4"	149.7		
L1A	120/208	3	4	175AIP	35-20AIP, 3-50AIP	5-20AIP NLAB	2	30	19	5 3/4"	55.1		
L1C	120/208	3	4	250AIP	27-20AIP, 4-20AIP, 1-20AIP	7-20AIP NLAB	1	42	22	5 3/4"	58.4		
L1D	120/208	3	4	100A	7-20AIP, 1-50AIP	6-20AIP NLAB	1	24	12	5 3/4"	24.9		
L1E	120/208	3	4	100A	10-20AIP	4-20AIP NLAB	1	24	12	5 3/4"	12.6	PROVIDE CONTACTOR ON LINE SIDE OF LUGS	
L1F	120/208	3	4	100A	15-20AIP	4-20AIP NLAB	1	24	12	5 3/4"	12.0	PROVIDE CONTACTOR ON LINE SIDE OF LUGS	
L1F	120/208	3	4	100A	10-20AIP	4-20AIP NLAB	1	24	12	5 3/4"	11.4	PROVIDE CONTACTOR ON LINE SIDE OF LUGS	
H2A	277/480	3	4	400A	25-20AIP, 1-350AIP	6-20AIP NHD	1	42	22	5 3/4"	67.9		
L2A	120/208	3	4	225A	70-20AIP	6-20AIP NLAB	2	42	44	5 3/4"	44.4		
L2D	120/208	3	4	225A	34-20AIP, 1-150AIP	6-20AIP NLAB	2	42	44	5 3/4"	24.1		
PH1	277/480	3	4	400A	10-20AIP, 1-175AIP, 2-40A-SP, 1-15A-SP	4-20AIP NHD	1	42	22	5 3/4"	132.1		
PH2	277/480	3	4	225A	13-20AIP, 1-175AIP	4-20AIP NHD	1	42	22	5 3/4"	155.3		
PH3	277/480	3	4	225A	1-150AIP, 3-20AIP, 4-30AIP, 2-50AIP	-	NHD	1	42	44	5 3/4"	149.2	
PL1	120/208	3	4	100AIP	24-20AIP, 2-15AIP, 1-20AIP	5-20AIP NLAB	1	42	21	5 3/4"	27.0		
PL2	120/208	3	4	100AIP	10-20AIP, 10-15AIP, 1-30AIP, 1-40AIP	6-20AIP NLAB	2	42	41	5 3/4"	28.8		
PL3	120/208	3	4	100AIP	3-20AIP, 3-15AIP	7-20AIP NLAB	1	42	21	5 3/4"	13.6		
PL4	120/208	3	4	100AIP	19-20AIP, 2-40AIP, 1-30AIP, 1-40AIP	5-20AIP NLAB	1	42	21	5 3/4"	16.3		
PL5	120/208	3	4	150AIP	19-20AIP, 1-150AIP, 4-70AIP	6-20AIP NLAB	1	42	21	5 3/4"	35.3		
PL6	120/208	3	4	250AIP	42-20AIP, 3-40AIP, 1-200AIP, 1-30AIP, 1-60AIP, 2-70AIP	12-20AIP NLAB	2	42	41	5 3/4"	67.9		
PL7	120/208	3	4	225A	7-20AIP, 2-20AIP, 3-20AIP	7-20AIP NLAB	1	42	22	5 3/4"	8.0		

- FEEDER SCHEDULE**
- 6 [4-350 MCM THHN AL] 3/2" C
 - 4 [4-4/0 AL 1" 2 CU GND] 2 1/2" C
 - 4 [4-350 MCM AL 1" 2 CU GND] 3 1/2" C
 - 4 [4-250 MCM AL 1" 1/2 CU GND] 3" C
 - 2 [4-350 MCM AL 1" 1/2 CU GND] 3 1/2" C
 - 4 [4-250 MCM AL] 2 1/2" C
 - 4 [4-200 MCM AL] 3" C
 - 3 [4-2 AL 1" 2 CU GND] 1 1/2" C
 - 4 [4-1/2 AL] 2 1/2" C
 - 4 [4-1/2] 1 1/4" C
 - 3 [3-1/2 AL 1" 2 CU GND] 2" C
 - 4 [4-1/2 AL 1" 2 CU GND] 2" C
 - 3 [4-250 MCM AL] 2 1/2" C
 - 4 [4-3/4 AL] 2" C
 - 6 [4-250 MCM AL 1" 1/2 CU GND] 3 1/2" C
 - 3 [4-350 MCM AL] 3" C
 - 4 [4-1/2 AL] 1 1/2" C
 - 4 [4-3/4 AL] 2" C
 - 4 [4-350 MCM AL 1" 2 CU GND] 3 1/2" C



ATTENTION

Clear instructions are set on how and where precast concrete members may be cast without damaging prestressed reinforcing strands. See the following: Details 1 and 2, SH-117 Specifications "B" package "B" instructions to precast concrete thru drawings and product drawings, by Precast/Prestressed Concrete Institute, 303-485-6301.

phase two facilities:
ARAPAHOE COMMUNITY COLLEGE
 13200 E. South Grove Fa Drive, Littleton, Colorado 80120
 state project 2138
 drawing: ONE-LINE, PANELS & FEEDERS
 tracing by: [grid]
 13200 E. South Grove Fa Drive, Littleton, Colorado 80120
 drawn by: [signature]
 checked by: [signature]
 revised: [signature]

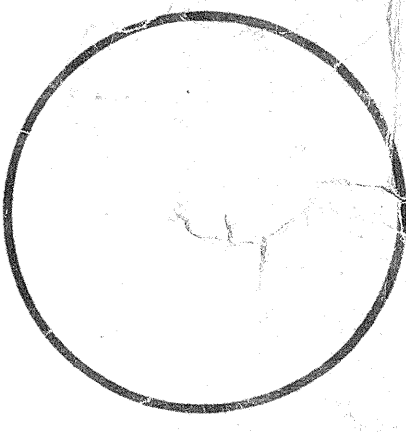
tracing key

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						
68						
69						
70						
71						
72						
73						
74						
75						
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
86						
87						
88						
89						
90						
91						
92						
93						
94						
95						
96						
97						
98						
99						
100						

LEGEND

Symbol	Description
—S—	Sanitary Sewer (existing)
—S—	Sanitary Sewer (new)
—W—	Water (existing)
—W—	Water (new)
—G—	Gas (existing)
—G—	Gas (new)
—SD—	Storm Drain (existing)
—SD—	Storm Drain (new)
—V—	Valve in Cast Iron Valve Box
—F—	Fire Protection
—	Interceptor line

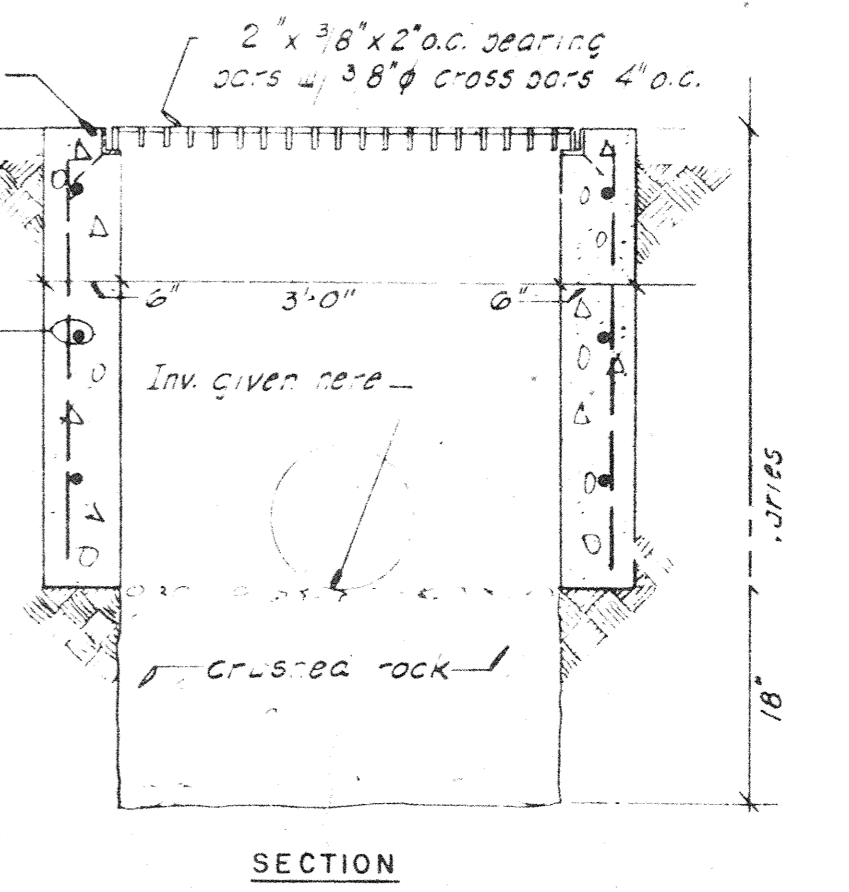
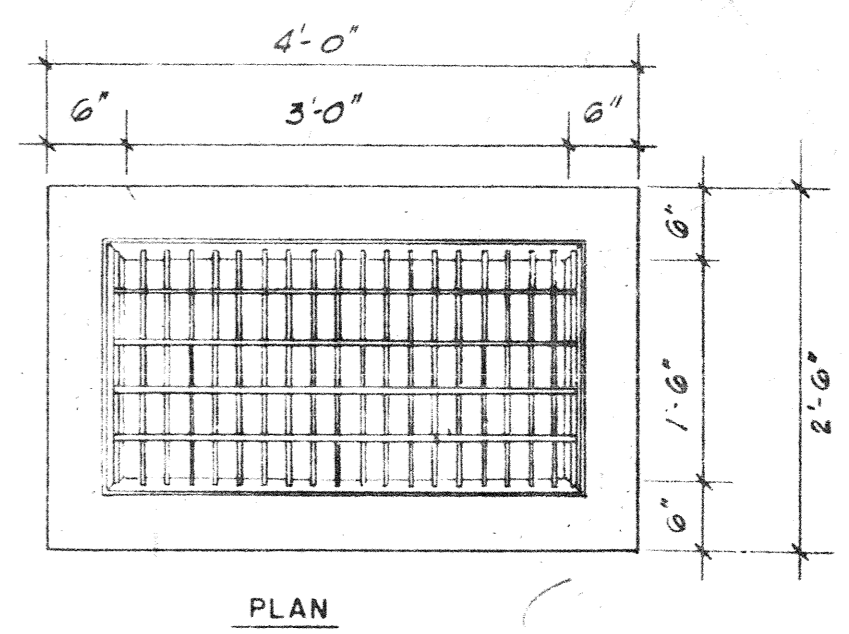
COORDINATE ALL SITE CONSTRUCTION WITH DEMOLITION & GRADING WORK SHOWN ON SHEET A2, AS WELL AS ALL OTHER BID PACKAGE "A" WORK.



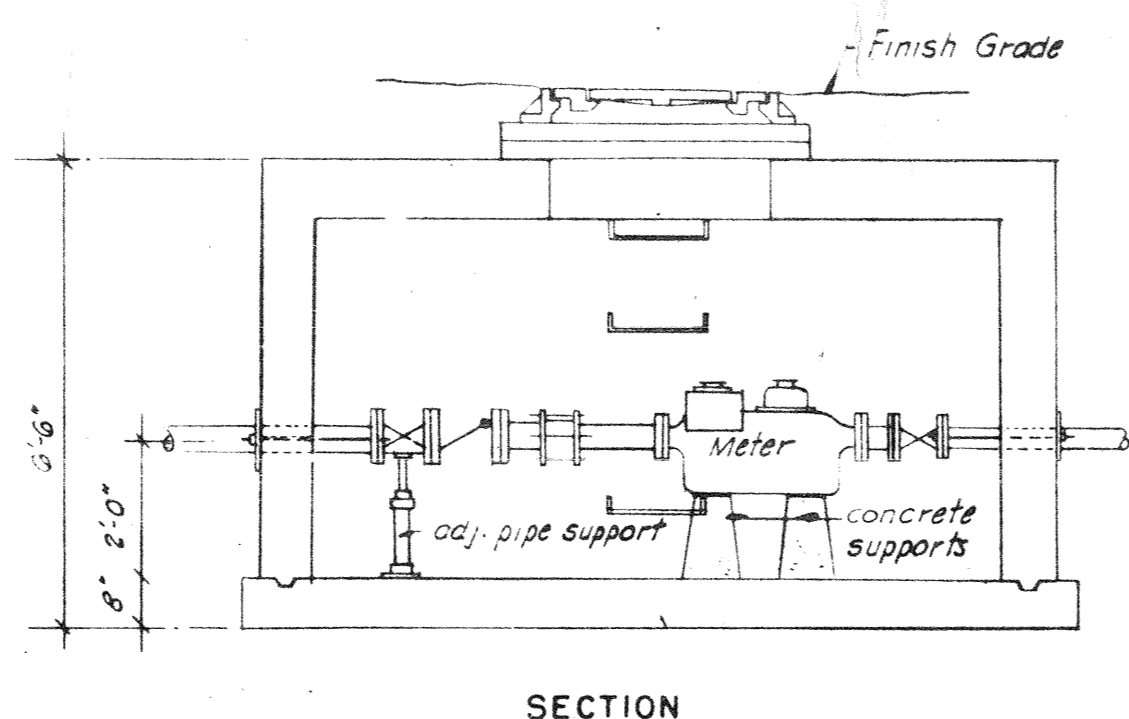
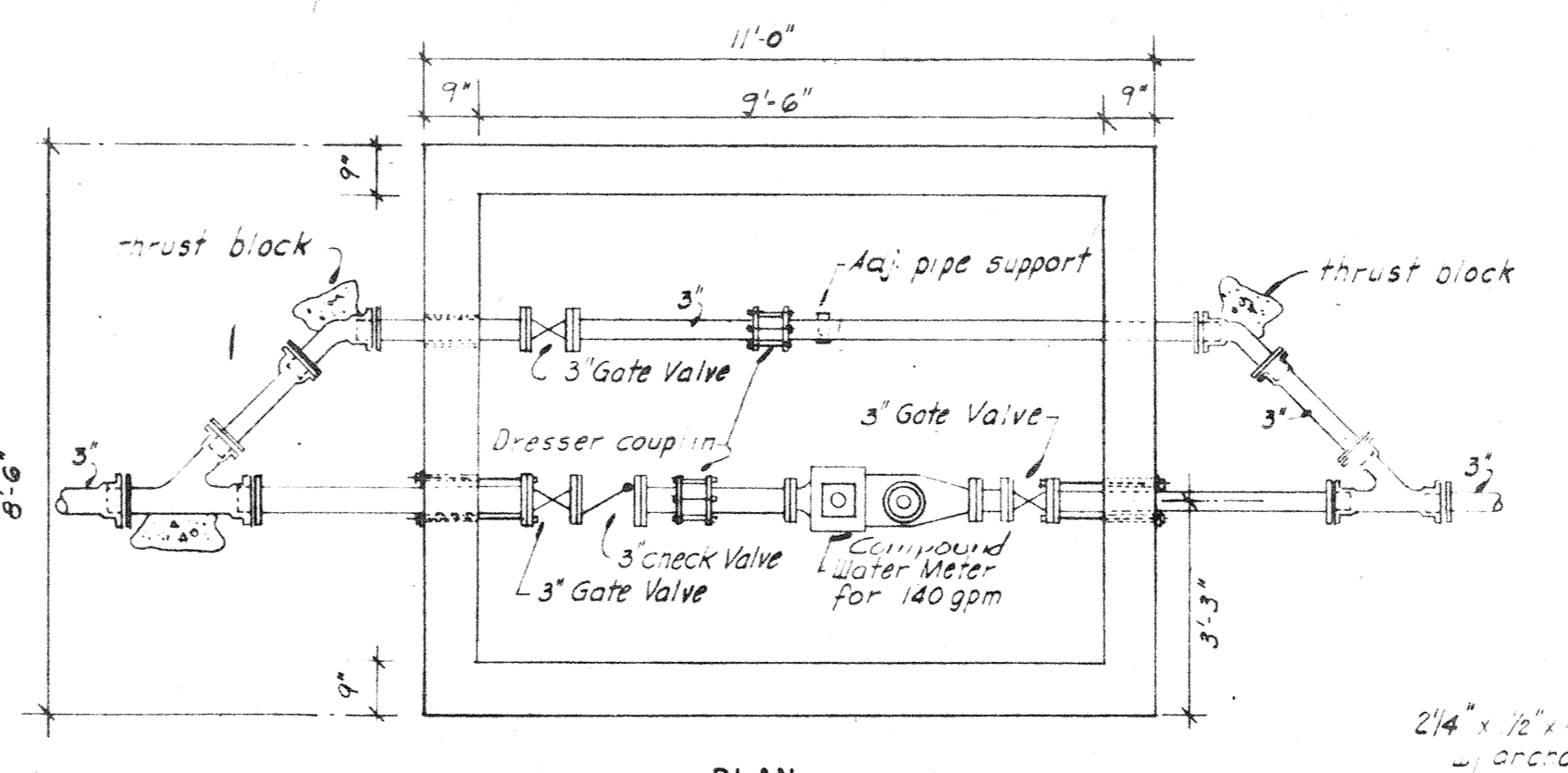
Drawn by DB
Checked by DB
Date
JUNE 16, 1978
PENNSYLVANIA
AS BUL. Bk. 7
6-1-78

mcj job no. 7510
sheet of
M2
14 sheets

MECHANICAL SITE CONSTRUCTION PLAN
NO SCALE

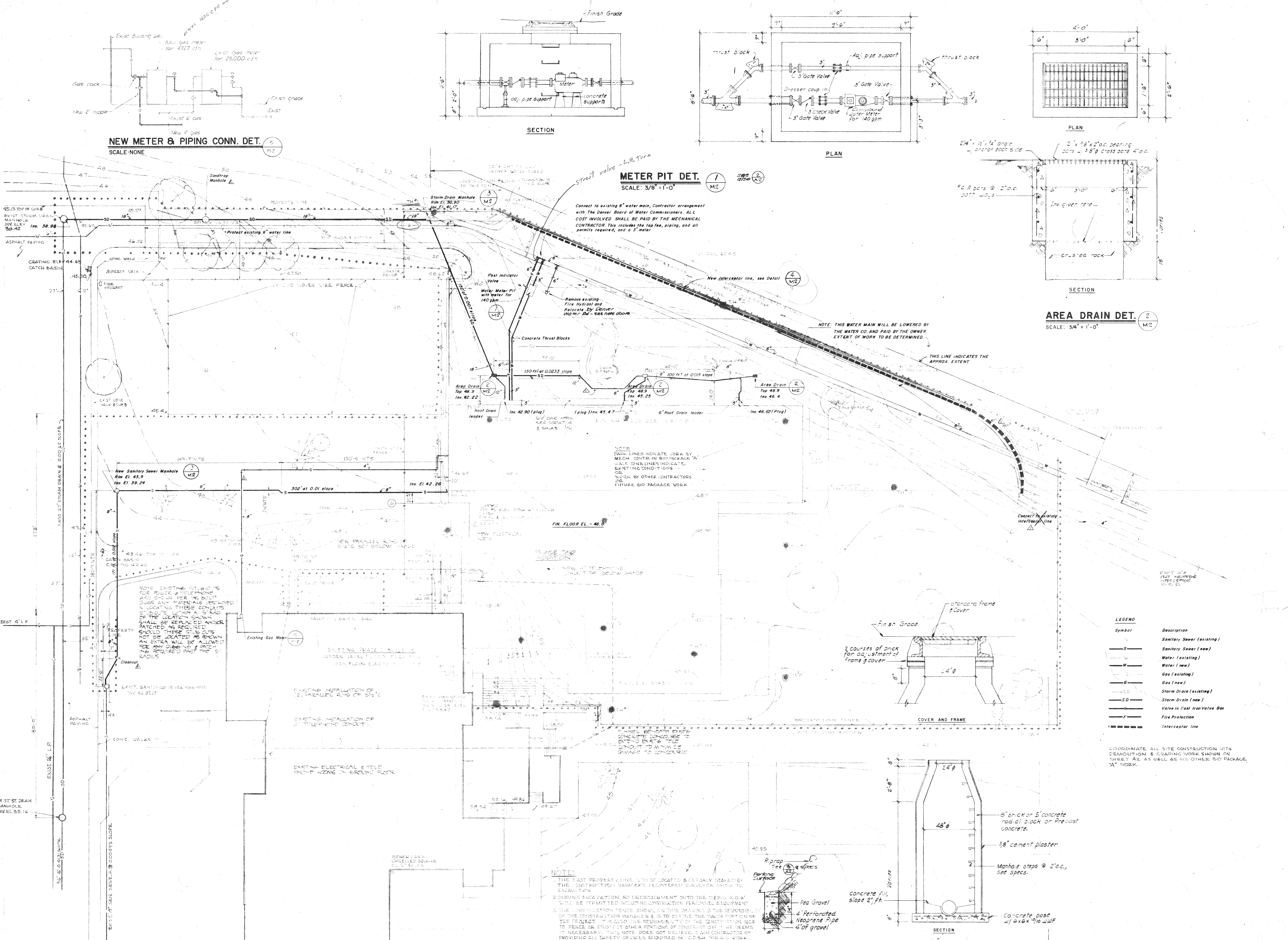


AREA DRAIN DET. 2
SCALE: 3/4" = 1'-0"



METER PIT DET. 1
SCALE: 3/8" = 1'-0"

NEW METER & PIPING CONN. DET. 5
SCALE: NONE



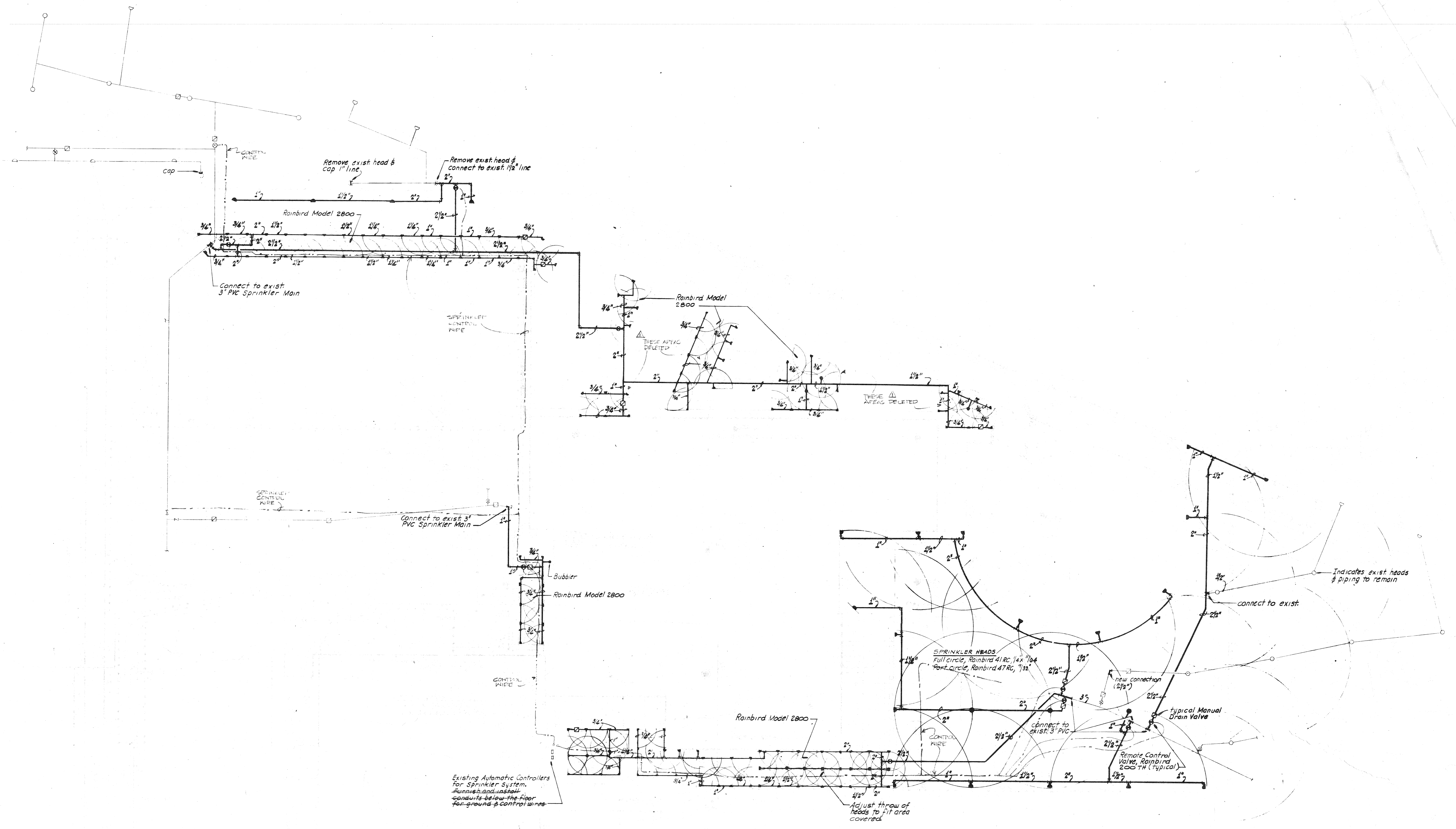
NOTES

- THE EAST PROPERTY LINE IS TO BE LOCATED & CLEARLY MARKED BY THE CONSTRUCTION MANAGER'S REGISTERED SURVEYOR PRIOR TO EXCAVATION.
- DURING EXCAVATION, NO ENCROACHMENT ONTO THE DEED ROW WILL BE PERMITTED INCLUDING CONSTRUCTION PERSONNEL EQUIPMENT.
- THE CONSTRUCTION FENCE SHOWN ON THIS DRAWING IS THE RESPONSIBILITY OF THE CONSTRUCTION MANAGER & IS TO DEFINE THE WORK AREA FOR THE PROJECT. IT IS ALSO THE RESPONSIBILITY OF THE CONSTRUCTION MANAGER TO FENCE OR PROTECT OTHER PORTIONS OF CONSTRUCTION IF NECESSARY. THIS NOTE DOES NOT RELIEVE THE CONTRACTOR OF PROVIDING ALL SAFETY DEVICES REQUIRED BY CODE FOR HIS WORK.
- GATEWAY OPENINGS IN CONSTRUCTION FENCE WILL BE LOCATED BY THE CONSTRUCTION MANAGER.
- ELECTRICAL & TELEPHONE WORK SHOWN ON THIS DRAWING IS INFORMATION ONLY AND SHALL BE INCLUDED IN A BID FOR ALL "A" WORKS NOT CALLED OUT TO BE REMOVED OR NOT SPECIFICALLY NOTICED (SEE SPECS).

INTERCEPTOR LINE DET. 4
NO SCALE

MANHOLE DET. 3
NO SCALE

MECHANICAL SITE CONSTRUCTION PLAN
NO SCALE



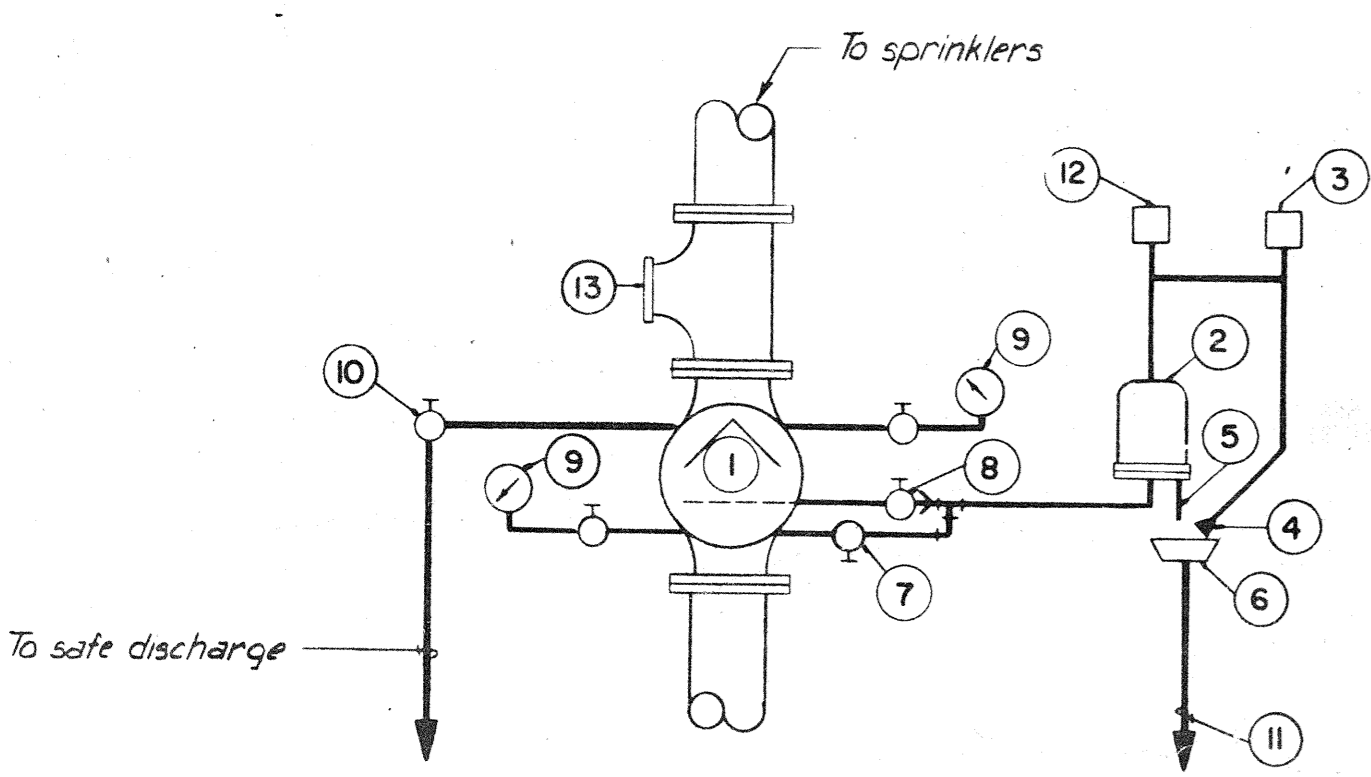
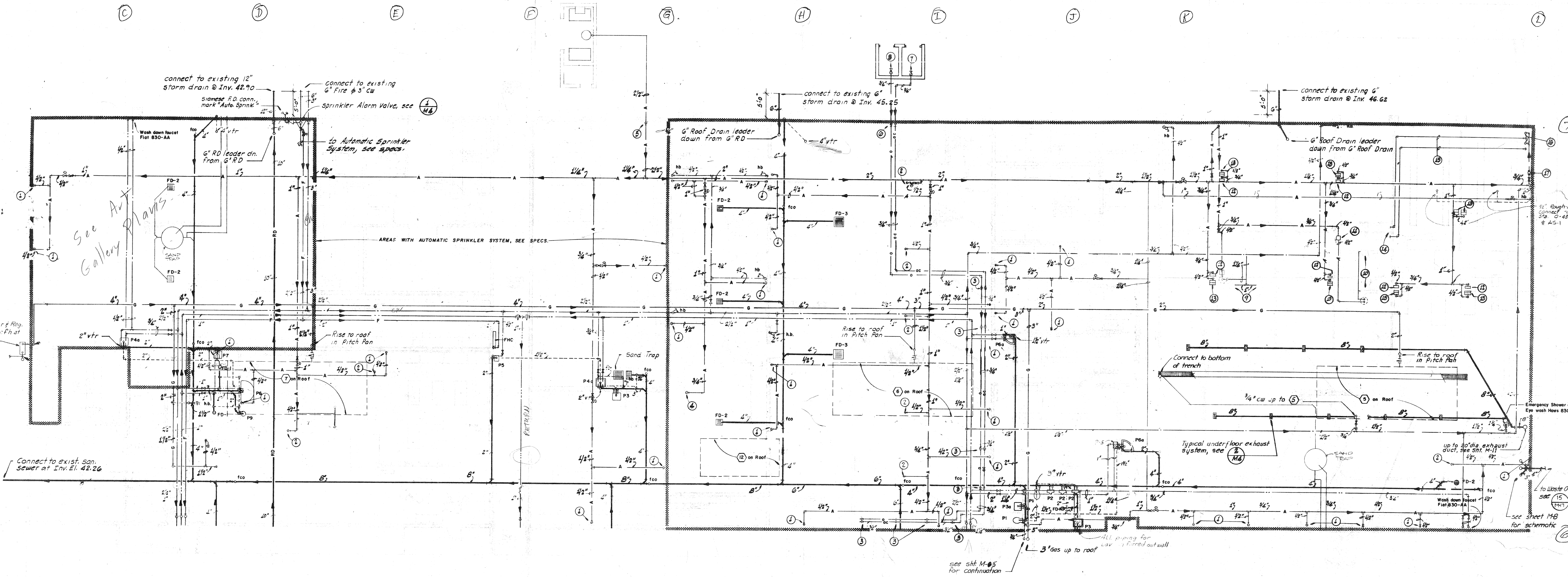
tracing key

	A	B	C	D	E	F
EXISTING						
NEW						
REMOVE						
CONTROL WIRE						
SPRINKLER HEAD						
PIPE						
VALVE						
MANUAL DRAIN VALVE						
CONTROL VALVE						
EXISTING HEAD						
NEW HEAD						
REMOVE HEAD						
CONTROL WIRE						
SPRINKLER HEAD						
PIPE						
VALVE						
MANUAL DRAIN VALVE						
CONTROL VALVE						



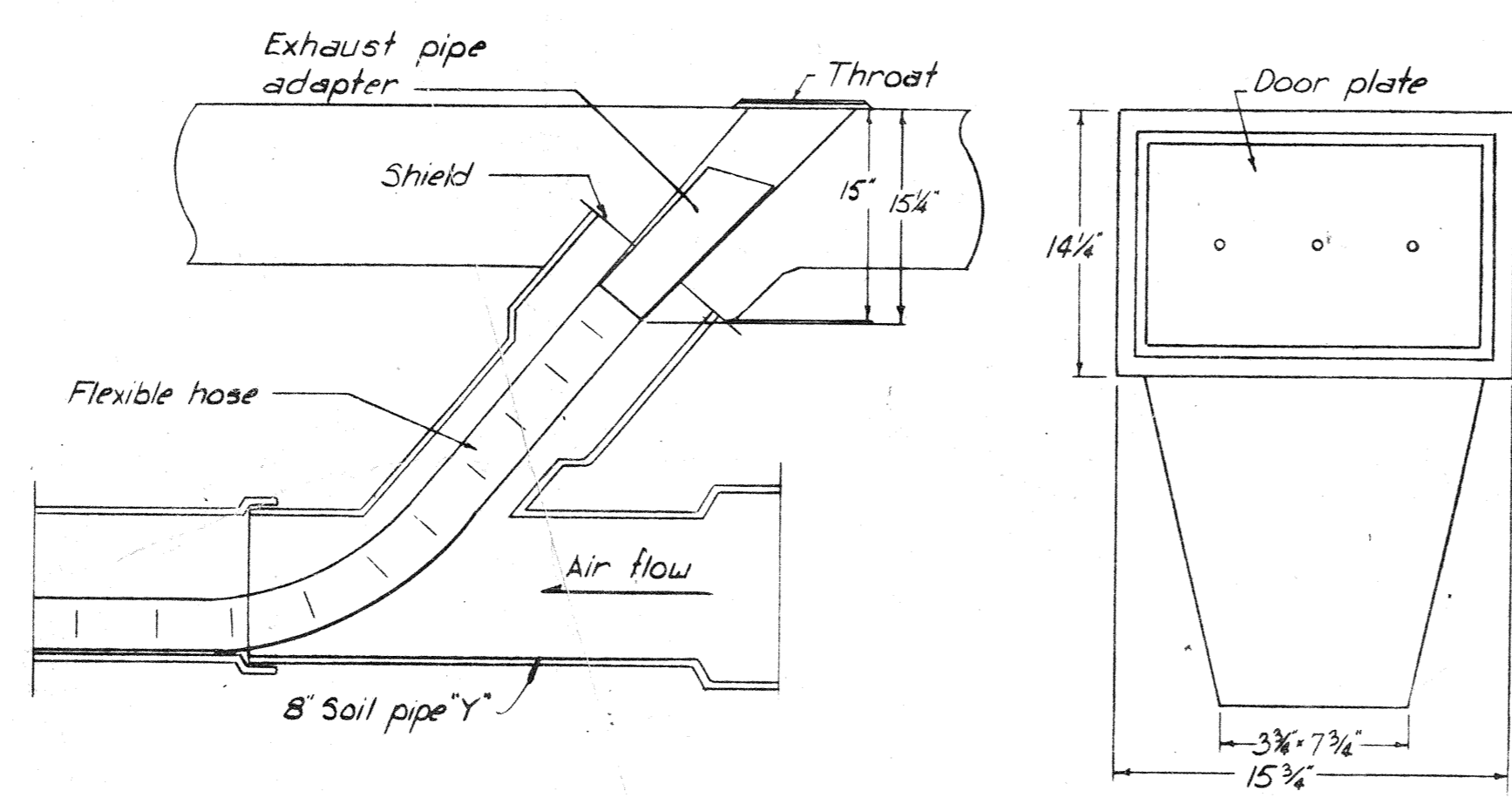
drawn by
checked by
date
revisions

drawn by	REB
checked by	REB
date	AUGUST 5 1976
revisions	AS BUILT 6/1/76 TEW



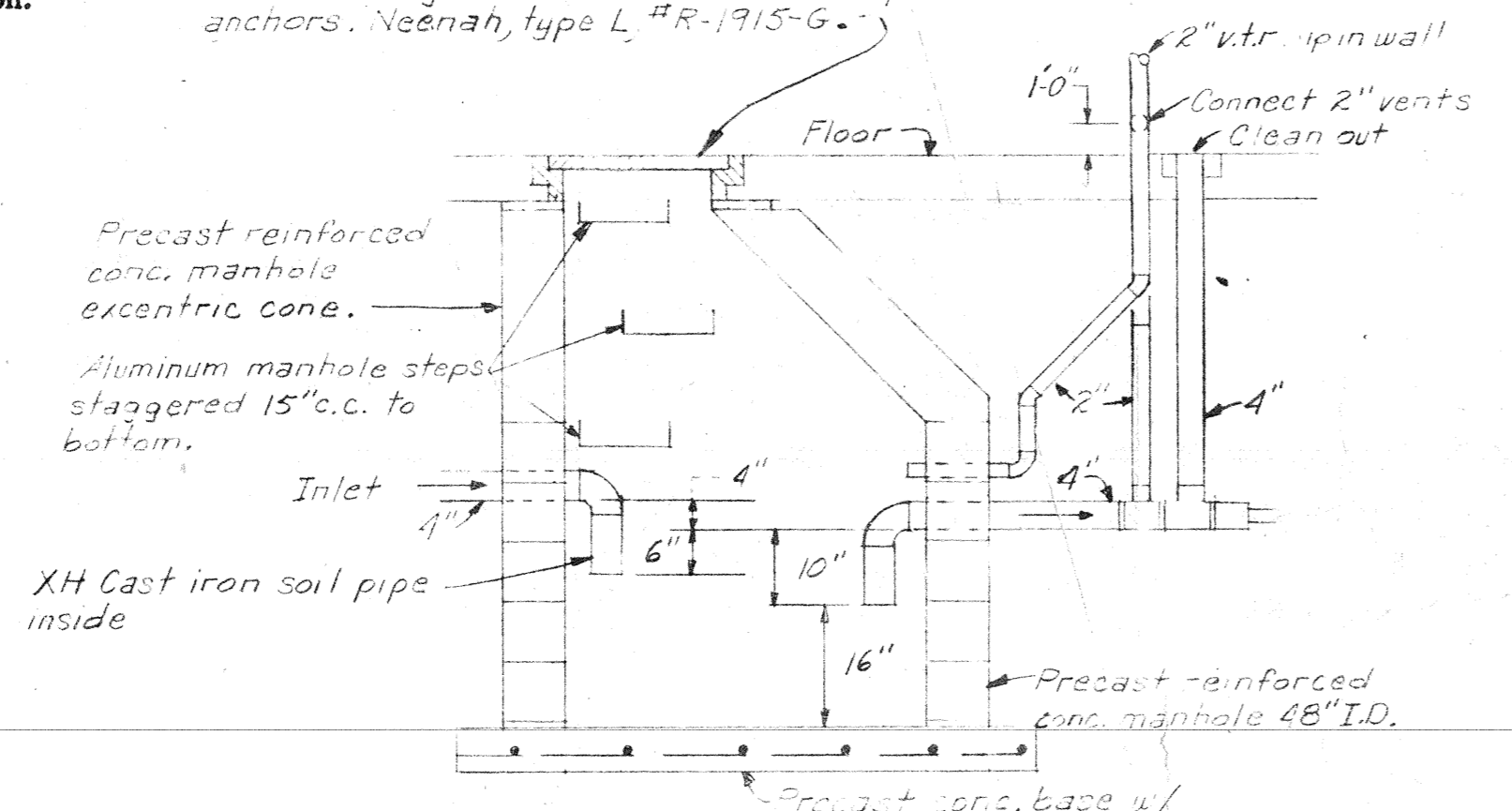
- LEGEND**
- 1 Alarm check valve
 - 2 Retarding chamber
 - 3 Water motor alarm
 - 4 Restricted vent
 - 5 Automatic drip
 - 6 Drip Cup
 - 7 Alarm test valve (normally shut)
 - 8 Alarm shut-off valve and check valve (normally open)
 - 9 Water-pressure gauges
 - 10 Main drain valve
 - 11 Drip-cup drain
 - 12 Alarm switch
 - 13 Tee for fire-department connection.

SPRINKLER ALARM VALVE DETAIL
SCALE: NONE

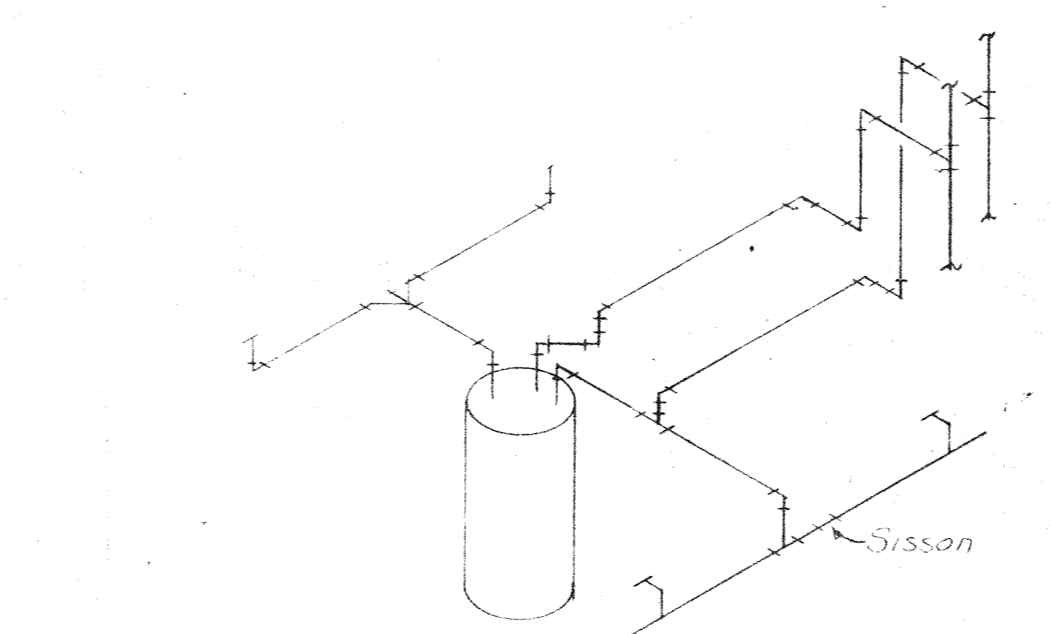


UNDERFLOOR EXHAUST DETAIL
SCALE: NONE

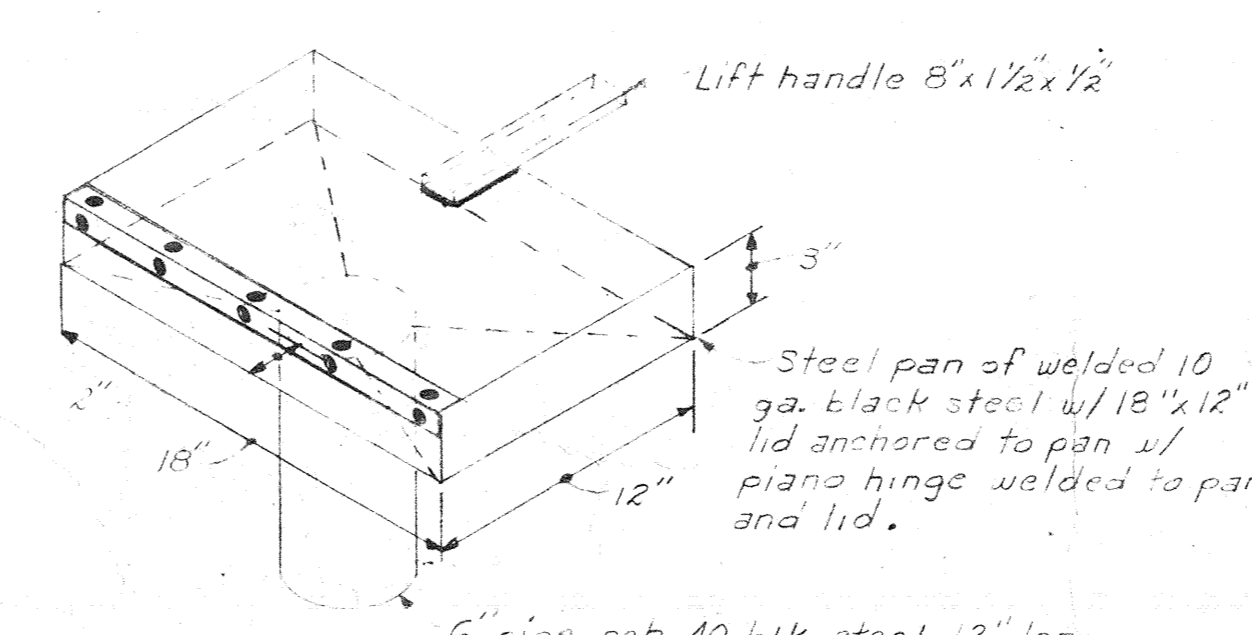
heavy duty traffic pattern cast iron gas tight frame and cover w/ machined surfaces and rubber gaskets. S.S. hex head cap screws anchors. Naenah, type L, "R-1915-G."



SAND & OIL TRAP FOR AUTO. MECH. & BLDG. & GROUNDS



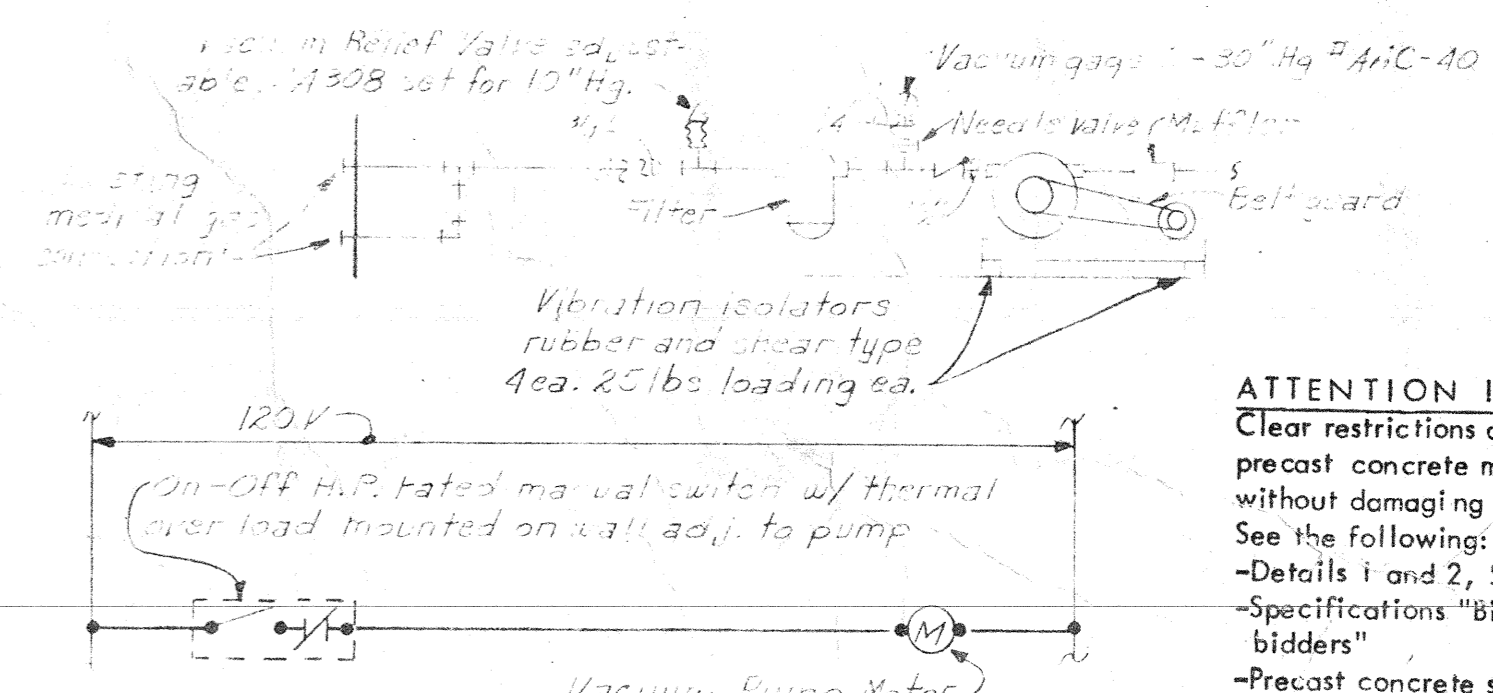
SAND & GREASE TRAP SCHEMATIC



WASTE OIL DRAIN PAN

KEYED NOTES:

- 1 1/2" compressed air drop on wall, see (A) 1/4"
- 2 Furnish and install compressed air hose drop to 6'-0" above the finished floor and terminate with quick coupler connection.
- 3 3/4" plugged tees in oxygen and acetylene lines for future connection by the Owner.
- 4 Rough-in and connect 3/4" compressed air to Paint Spray Booth.
- 5 2 1/2" compressed air down on wall to below grade.
- 6 3/4" oxygen and 3/4" acetylene down on wall to below grade.
- 7 Cap 3/4" acetylene for future connection by Owner.
- 8 Cap 3/4" oxygen for future connection by Owner.
- 9 Rough-in and connect Auto Lift (AL-2); obtain rough-in drawings from Equipment Contractor.
- 10 Rough-in and connect Auto-Lift (AL-1); obtain rough-in drawings from Equipment Contractor.
- 11 Foot control valves for Auto Lift (furnished with Auto Lifts).
- 12 Single hose reel, Balcrank Model 2780 with mounting channel, R-3 See Equip. Draw.
- 13 Double hose reel, Balcrank Model 2780, two required with end panels and mounting channel, R-5 See Equip. Draw.
- 14 Rough-in and connect reel bank for chassis oil and gear oil; see equipment specifications.
- 15 5/8" o.d. x 0.083 wall steel tubing.
- 16 Air pressure regulator with gauge, Balcrank Model 817760.
- 17 Air filter, Balcrank Model 32739.

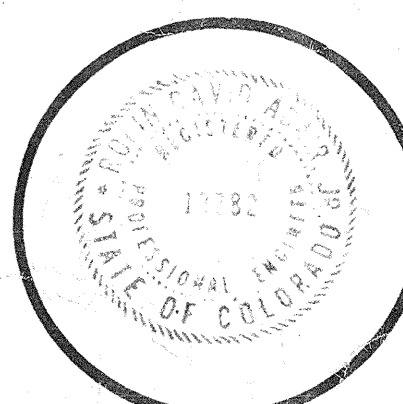


VACUUM SYSTEM FOR RM 325

ATTENTION
Clear restrictions are set on how and where precast concrete members may be penetrated without damaging prestressed reinforcing strands. See the following:
-Details 1 and 2, SH. A19
-Specifications "Bid package" B' instructions to bidders
-Precast concrete shop drawings and production drawings, by Prestressed Concrete of Colorado, Inc. 303-438-6301

tracing key	
Sheet	Grid
1	A
1	B
1	C
1	D
1	E
1	F
1	G
1	H
1	I
1	J
1	K
1	L
2	A
2	B
2	C
2	D
2	E
2	F
2	G
2	H
2	I
2	J
2	K
2	L
3	A
3	B
3	C
3	D
3	E
3	F
3	G
3	H
3	I
3	J
3	K
3	L
4	A
4	B
4	C
4	D
4	E
4	F
4	G
4	H
4	I
4	J
4	K
4	L

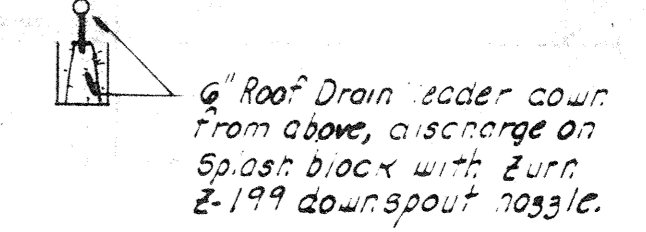
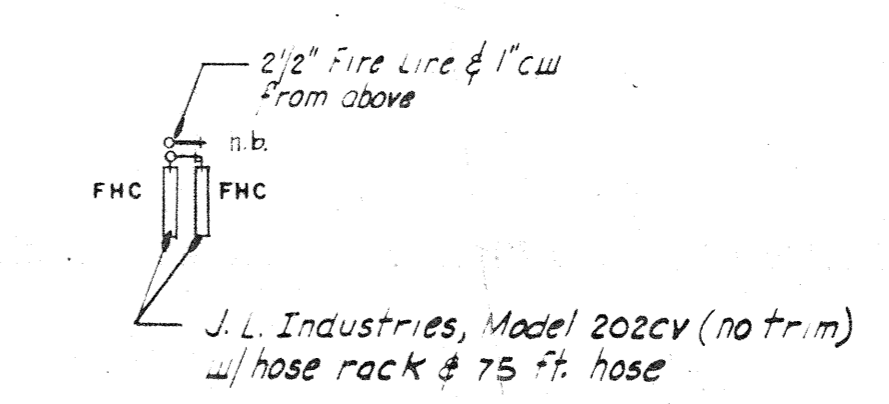
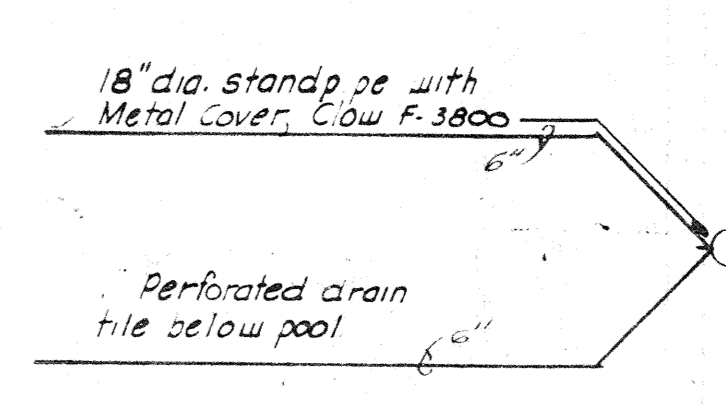
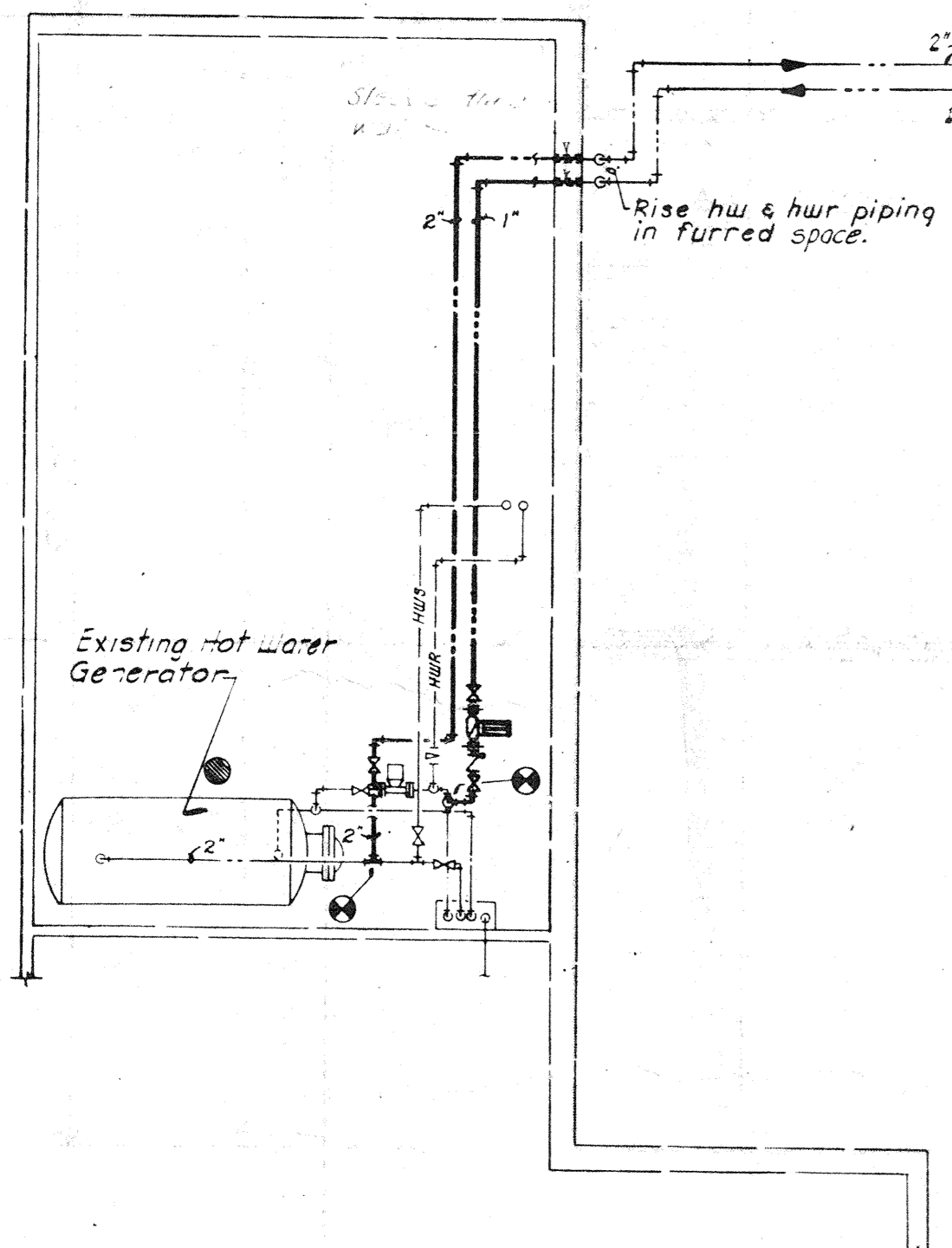
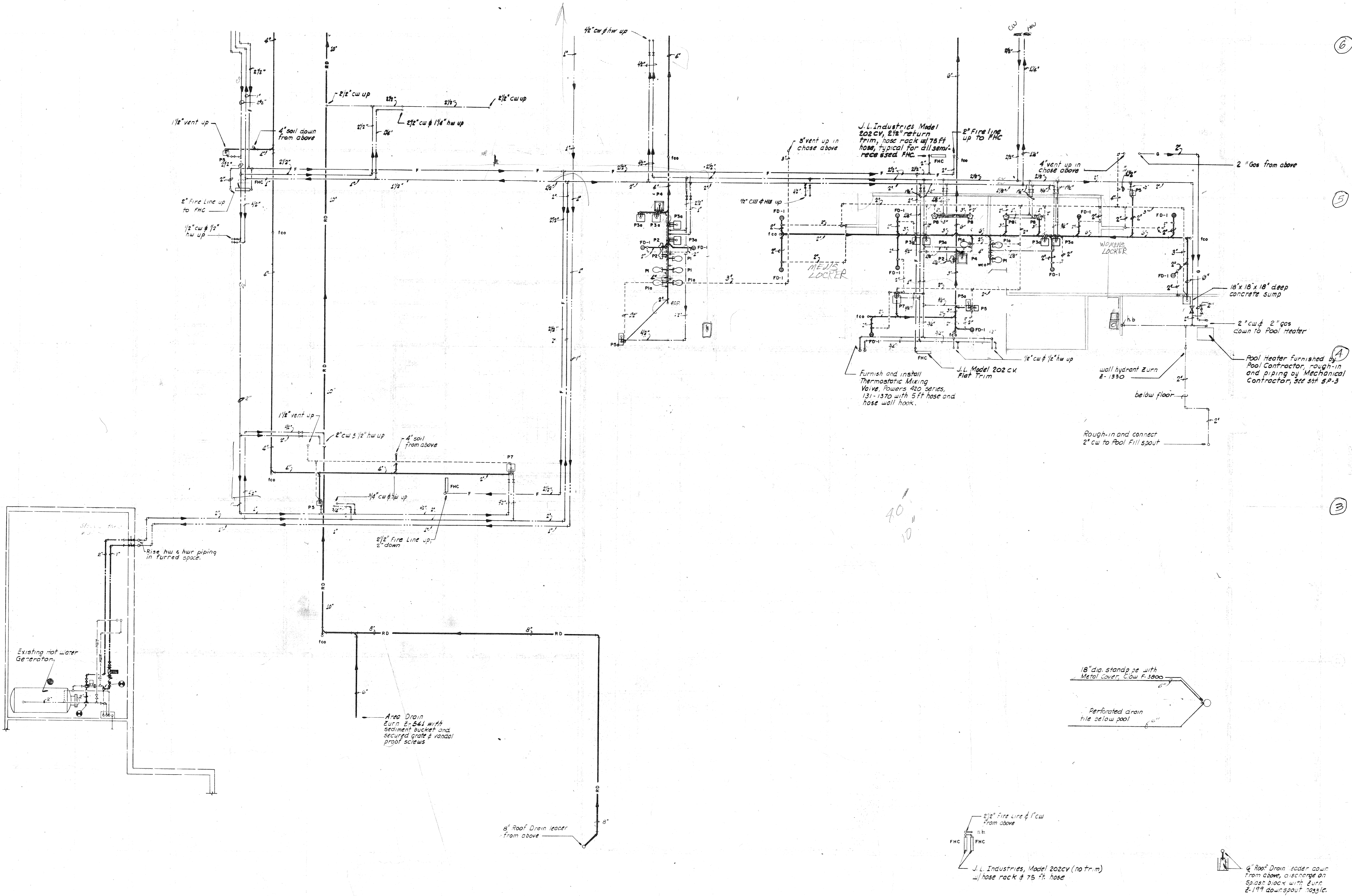
STATE PROJ. 2136
drawing title
EAST PLUMBING PLAN



drawn by
checked by
DATE
AUGUST 5, 1976
REVISIONS
BY
DATE

mcb job no
7510
sheet
M4
of
63
sheets

WALL TYPE COMPRESSED AIR DETAIL
SCALE: NONE



6

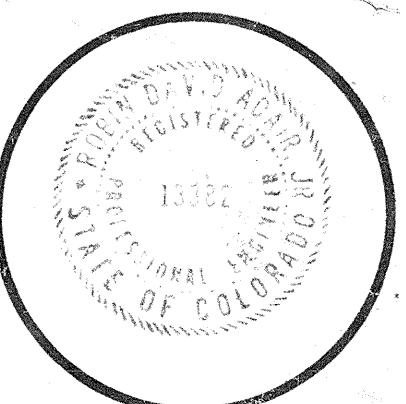
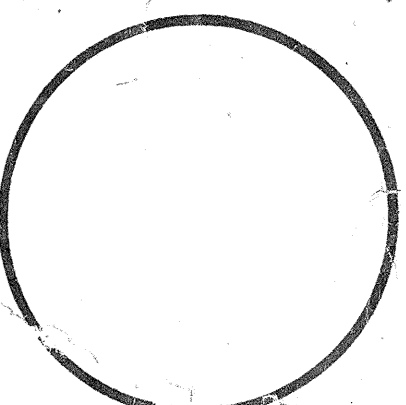
5

3

drawing title
LOWER WEST PLUMBING PLAN

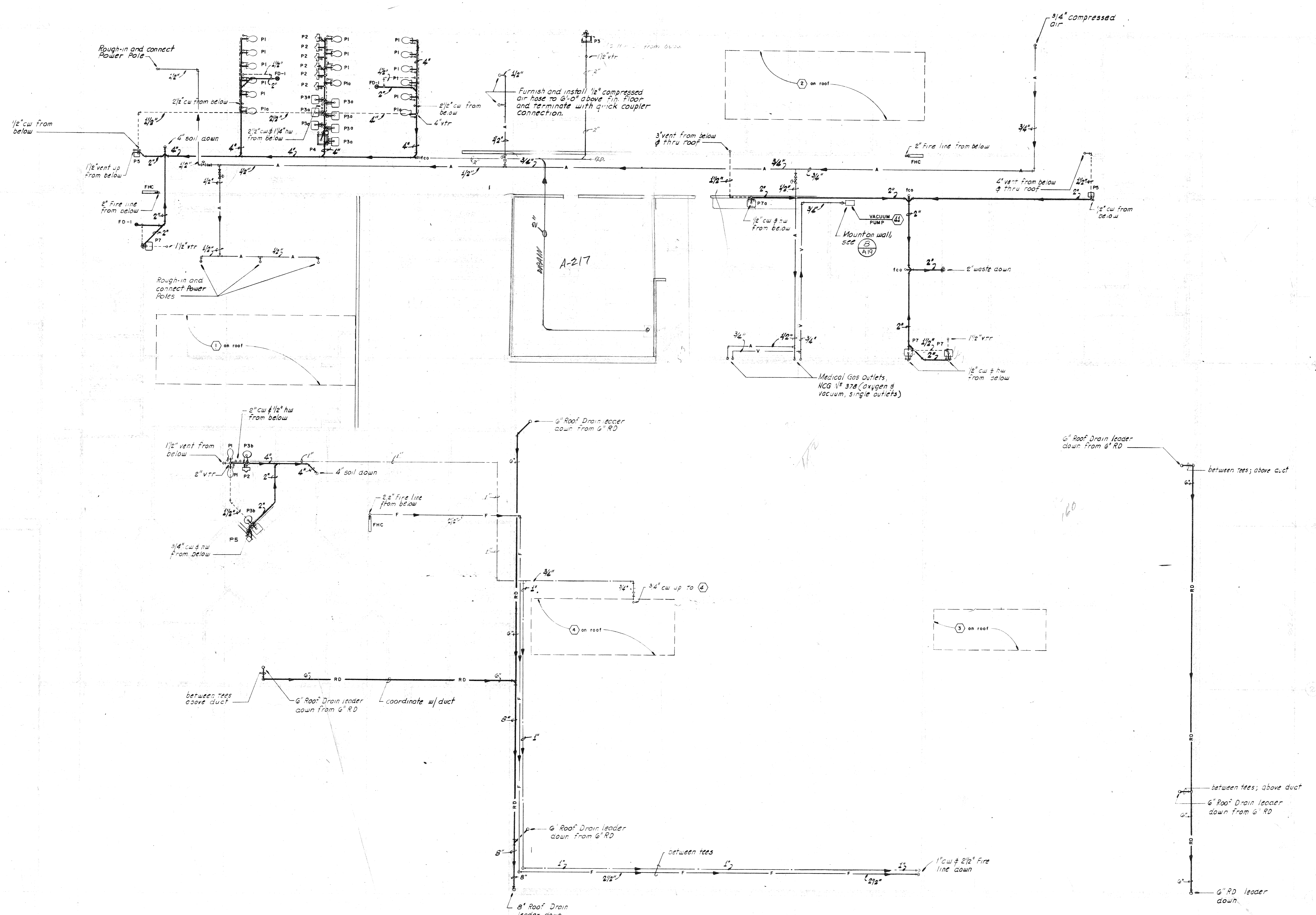
tracing key

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						



drawn by
checked by
date AUGUST 5, 1976
revisions
44 AS BUILT SWC
8-1-76

mcb job no. 7510
sheet 3 of 3
M 3 sheets

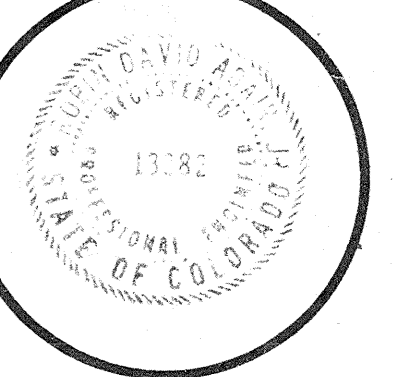
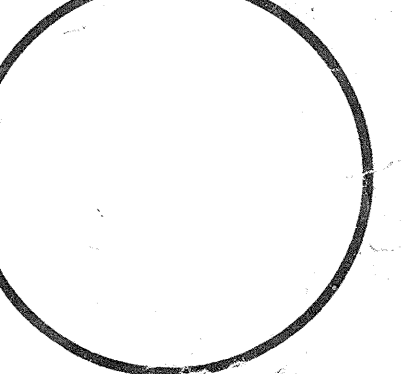


phase two facilities:
ARAPAHOE COMMUNITY COLLEGE
5900 South Santa Fe Drive, Littleton, Colorado 80120
state project no. 2136

drawing title
UPPER PLUMBING PLAN

tracing key

	A	B	C	D	E	F
1" CW						
2" CW						
3" CW						
4" CW						
2" VTR						
4" VTR						
2" WASTE						
2" VACUUM						
2" FIRE						
3/4" COMP. AIR						
6" RD						



drawn by
checked by
DATE
AUGUST 5, 1976
REVISIONS
AS BUILT BNC
6-1-76

msb job no 7510
sheet of
M G
63 sheets

ATTENTION
Clear restrictions are set on how and where precast concrete members may be penetrated without damaging prestressed reinforcing strands. See the following:
-Details 1 and 2, SH, A19
-Specifications "Bid package 'B' Instructions to Bidders"
-Precast concrete shop drawings and production drawings, by Prestressed Concrete of Colorado, Inc., 303-458-6301

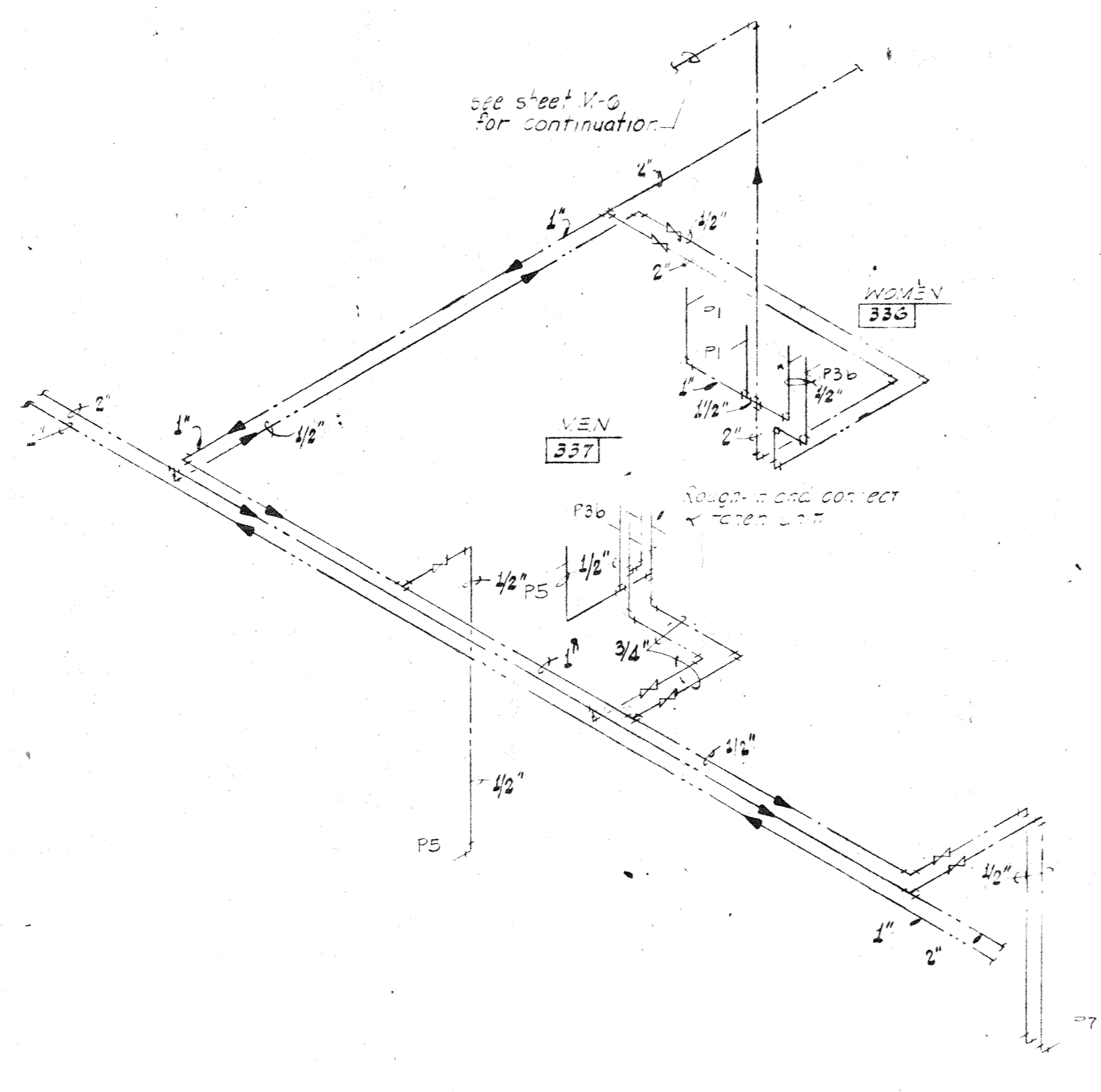
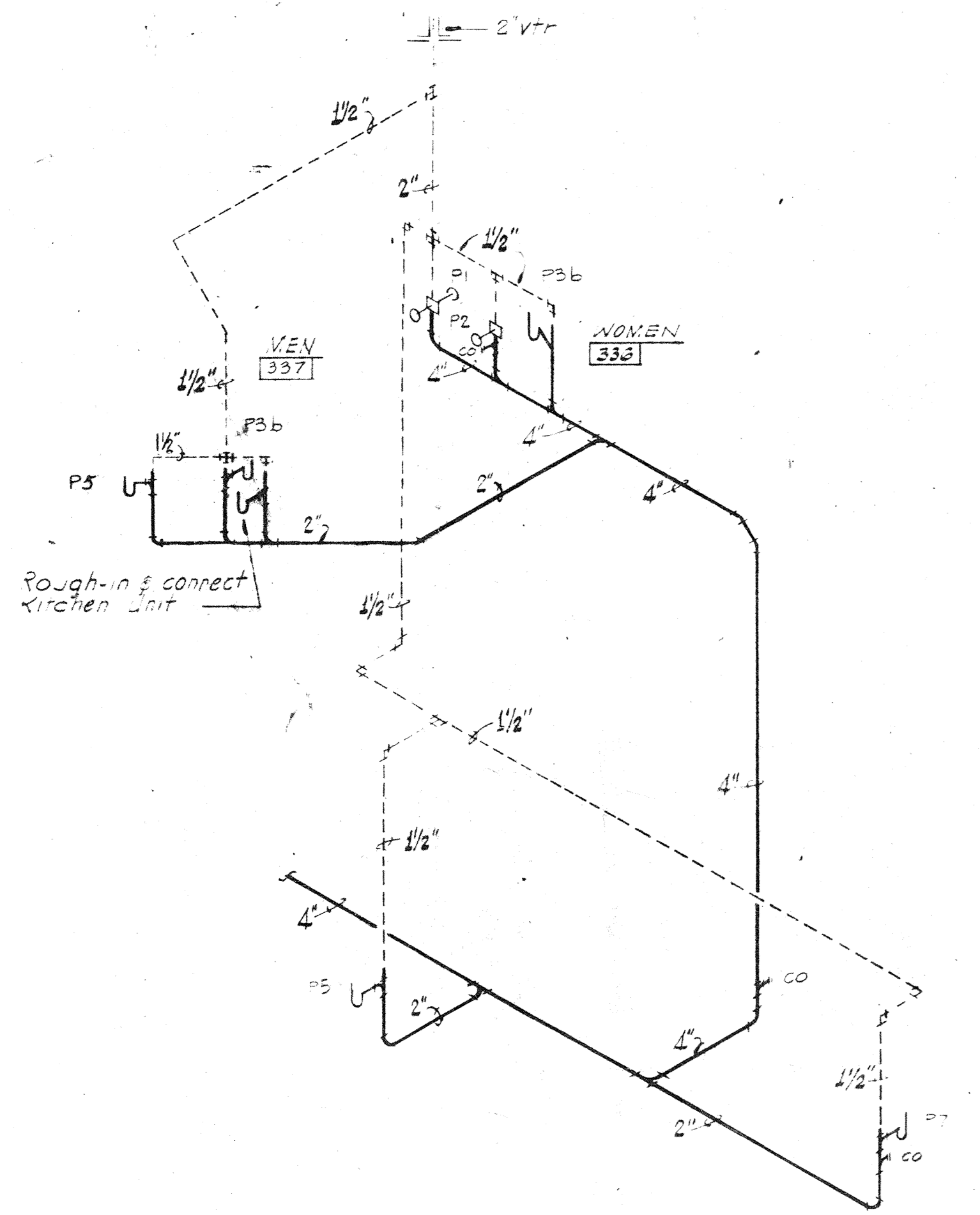
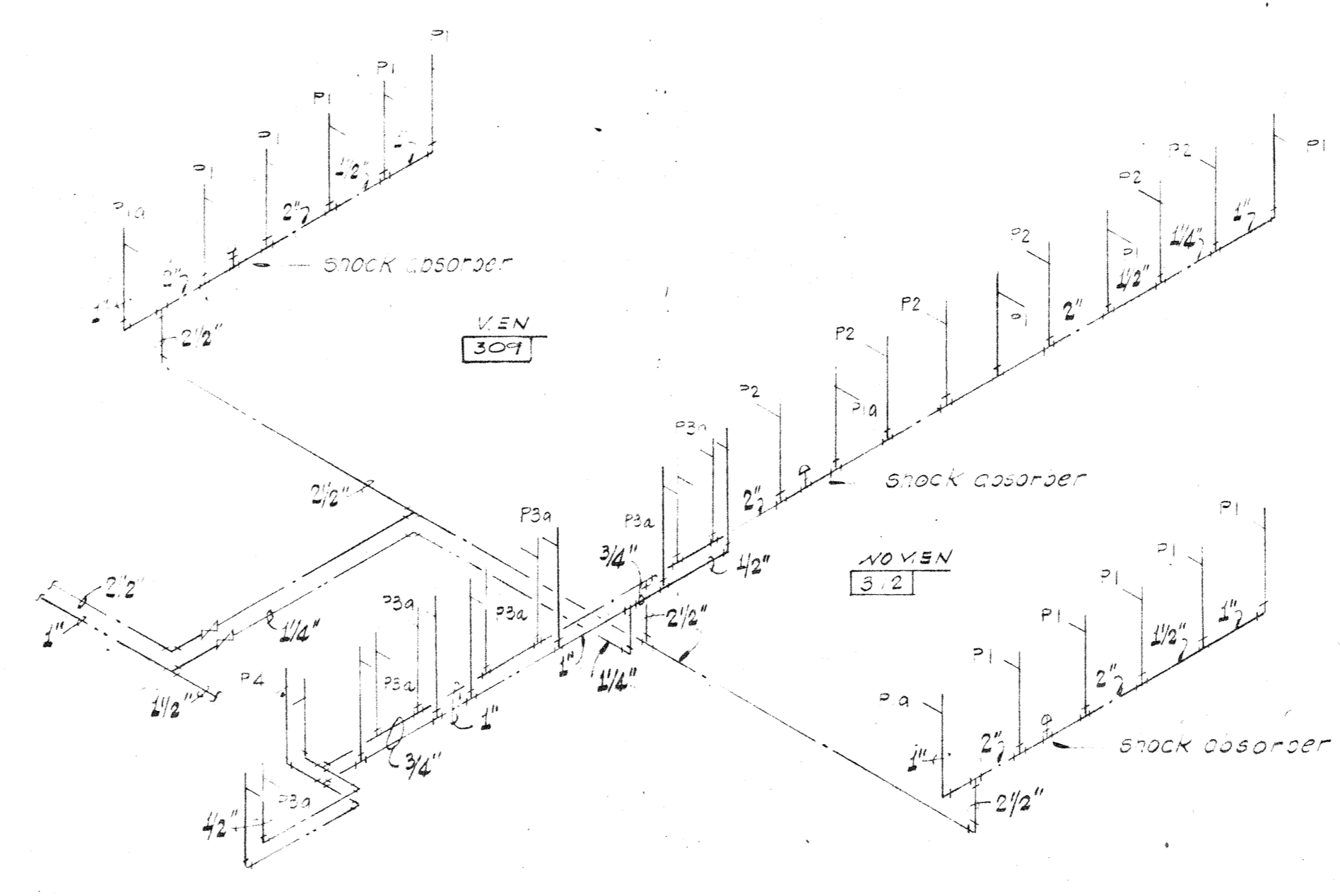
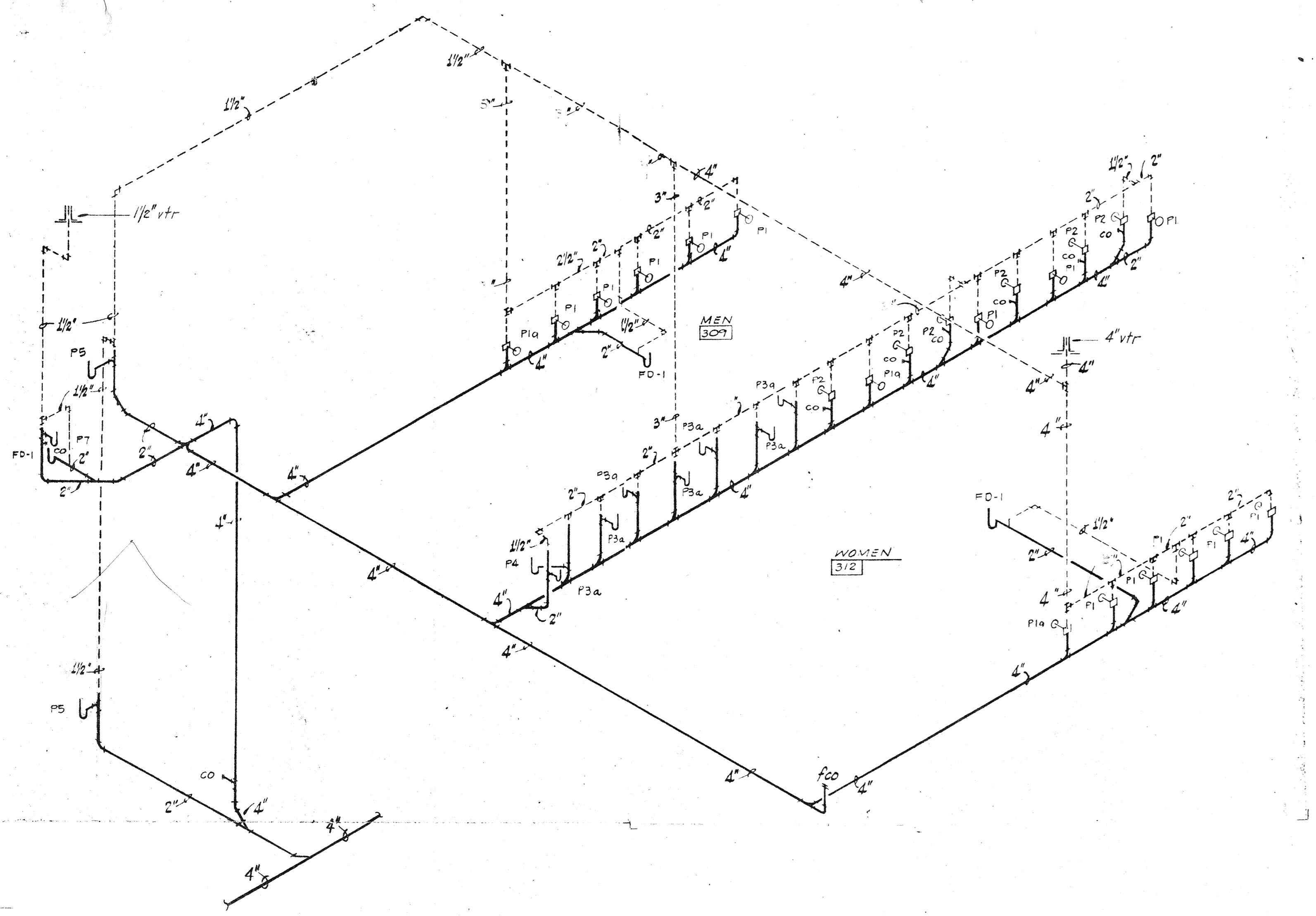
tracing key

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						



drawn by
 checked by
 date
 ALBERT E. F. 1976
 REVISIONS
 1-23-76
 6-7-76

mob job no
 7510
 sheet of
 M of
 7 B
 sheets



PLUMBING FIXTURE SPECIFICATIONS

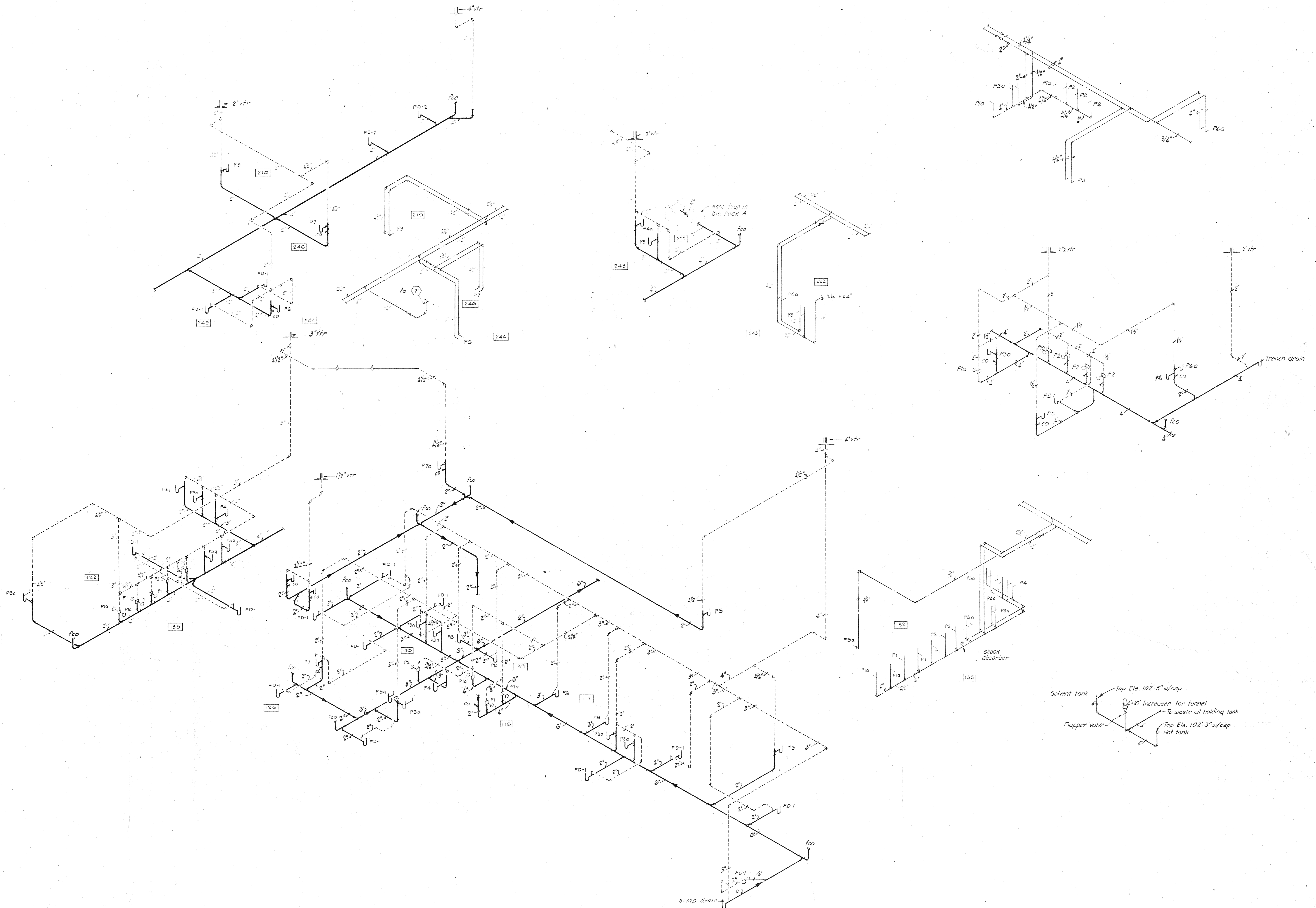
- SYMBOL DESCRIPTION**
- P-1 **WATER CLOSET:** American Standard "Atwall" No. 2477.016, siphon jet action, elongated bowl, wall hung on adjustable carrier by American Standard flush valve Sloan Royal No. 110 and open front white plastic seat with stainless steel check hinge 5320.114.
 - P-1a **WATER CLOSET:** Same as P-1 except mount 18" high for the handicapped.
 - P-2 **URINAL:** American Standard "Washbrook" No. 6500.011, vitreous china, wall hung on carrier by American Standard flush valve Sloan Royal No. 110.
 - P-3 **LAVATORY:** American Standard "Scotian" No. 0360.057, vitreous china, 20" x 18", wall hung on concealed arms by American Standard faucet with pop-up drain 2248.433, 3/8" chrome-plated supplies with wheel handle stops and 1-1/4" x 1-1/2" chrome-plated P-trap, No. 705. Supply C5M12.
 - P-3a **LAVATORY:** American Standard "Merrilyn" No. 0140.012, vitreous china, counter-mounted with stainless steel mounting frame, faucet with pop-up drain 2248.433, 3/8" chrome-plated supplies with wheel handle stops and 1-1/4" x 1-1/2" chrome-plated P-trap, supply C5M12.
 - P-3b **LAVATORY:** American Standard "Aqualyn" No. 0475.020, counter-mounted, self-rimming, vitreous china, 20" x 17", faucet with pop-up drain 2248.433, 3/8" chrome-plated supplies with wheel handle stops and 1-1/4" x 1-1/2" chrome-plated P-trap, supply C5M12.
 - P-4 **SERVICE SINK:** Flat Model MSB-2424, Molded stone, 24" x 24" x 10" deep, with removable stainless steel combination dome strainer and lint basket, faucet with vacuum breaker, hose end, wall brace, stops in shank 830-AA and 3" cast iron P-trap, with Plate No. 836-AA.
 - P-4a **SERVICE SINK:** American Standard "Lakewell" No. 7692.023 with rim guard 8379.018, enameled cast iron, 3" trap standard 7798.176 and faucet 6344.111.
 - P-5 **ELECTRIC WATER COOLER:** Elkay Model EH-8, wall hung, color as selected by the Architect, 3/8" supply with wheel handle stop and 1-1/4" x 1-1/2" chrome-plated P-trap.
 - P-5a **DRINKING FOUNTAIN AND CUSPIDOR:** Halsey Taylor Model 5801 and 5803 cuspidor, fountain to have cuspidor connection for bypass to cuspidor, stainless steel, semi-recessed, 3/8" supply with stop valve and 1-1/2" chrome-plated P-trap.
 - P-6 **WASH FOUNTAIN:** Bradley Type CFC, Bradglas bowl, 54" semi-circular, foot-operated, liquid soap dispenser, strainer, mechanical mixing valve, volume control, combination stop-strainer and check valves, and 2" P-trap.
 - P-6a **WASH FOUNTAIN:** Bradley Type KCF, foot operated, 54" corner type, liquid soap dispenser, strainer, mechanical mixing valve, volume control, combination stop-strainer and check valve and 2" P-trap.
 - P-7 **COUNTER SINK:** Elkay Model LR 2219, 18 gauge stainless steel, self-rimming, 22" x 19" x 7-1/2" deep, basket strainer LK-35, faucet Bradley 2410L, 3/8" supplies with stops and 1-1/2" chrome-plated P-trap.
 - P-7a **COUNTER SINK:** Elkay Model DLR-2222-12, 18 ga. stainless steel, 22" x 22" x 12" deep, basket strainer LK-35, faucet with goose-neck spout and 4" wrist blade handles, American Standard 2238.257, 3/8" supplies with wheel handle stops and 1-1/2" chrome-plated P-trap.
 - P-8 **SHOWER:** Bradley 5-person column shower Type 5CB, stainless steel, supplies and vent through column, stainless steel shroud secured to structure, 6'-0" height in Men and 5'-6" height in Women, pressure balancing mixing valve, liquid soap container in column with valve for each user and vandal-proof shower heads.
 - P-9 **EYE WASH FOUNTAIN:** Bradley Model S1923-SB-SCE-SR, wall hung, stainless steel bowl, self-closing valve, face spray ring, 1/2" supply and 1-1/4" x 1-1/2" chrome-plated P-trap.

FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	TRAP	VENT	CW	HW
P1	WATER CLOSET	3"	2"	"	-
P1a	WATER CLOSET	3"	2"	"	-
P2	URINAL	2"	1/2"	"	-
P3	LAVATORY	1/2"	1/2"	1/2"	1/2"
P3a	LAVATORY	1/2"	1/2"	1/2"	1/2"
P3b	LAVATORY	1/2"	1/2"	1/2"	1/2"
P4	SERVICE SINK	3"	2"	1/2"	1/2"
P4a	SERVICE SINK	3"	2"	1/2"	1/2"
P5	ELECTRIC WATER COOLER	1/2"	1/2"	1/2"	-
P5a	DRINK. FOUNT. & CUSPIDOR	1/2"	1/2"	1/2"	-
P6	WASH FOUNTAIN	2"	1/2"	"	"
P6a	WASH FOUNTAIN	2"	1/2"	"	"
P7, P7a	COUNTER SINK	1/2"	1/2"	1/2"	1/2"
P8	COLUMN SHOWERS	3"	1/2"	"	"
P9	EYE WASH FOUNTAIN	1/2"	1/2"	3/4"	-

LEGEND

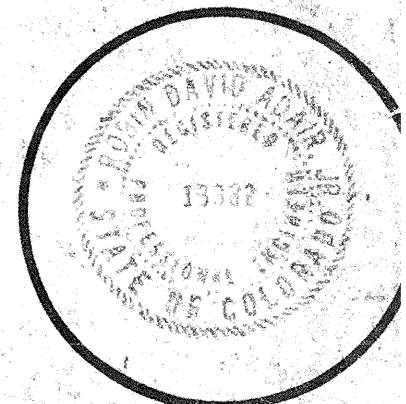
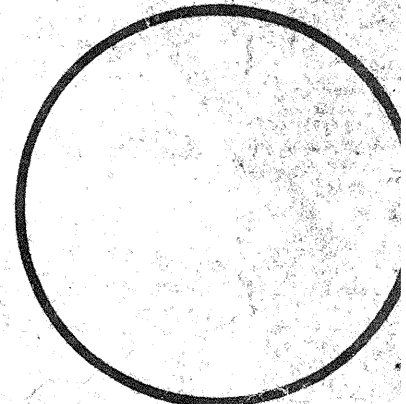
SYMBOL	DESCRIPTION
---	SOIL
---	VENT
---	COLD WATER
---	HOT WATER
---	HOT WATER RECIRCULATING
RD	ROOF DRAIN
G	GAS
O	OXYGEN
OC	ACETYLENE
V	VACUUM
F	FIRE LINE
A	COMPRESSED AIR
GV	GATE VALVE
CV	GLOBE VALVE
PRV	PRESSURE REDUCING VALVE
CV	CHECK VALVE
U	UNION
PC	PLUG COCK
VR	VALVE IN RISE
VTR	VENT THRU ROOF
FHC	FIRE HOSE CABINET
FCO	FLOOR CLEANOUT
CO	WALL CLEANOUT



drawing title
 PLUMBING SCHEMATICS

tracing key

NO.	DATE	BY	DESCRIPTION
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			



drawn by
 checked by
 date
 AUGUST 5, 1976
 revisions
 1. AS BWC 6-12-76

mob job no.
 7810
 sheet 1 of 10
M
 63 sheet 6

EQUIPMENT SCHEDULE

Equipment Schedule revised after negotiations

Table with columns: SYMBOL, DESCRIPTION, CFM, Static Press., RPM, BHP, Motor HP, Service or Location, Size. Includes items like Waste Oil Storage Tank, Central Evacuation System, Time Clocks, Unit Heaters, Relief Valve, Power Roof Exhausters, Vacuum Pump, and Vibration Isolator Schedule.

Table with columns: SYMBOL, DESCRIPTION, CFM, S.P., Ammerran Size, Motor HP, Motor Speed, Power, Service Location. Includes items like Type MS, Type HS, Type MN, Amber Booth, Consolidated Kinetics, Mason, Sausse, Type MS, Type HS, Type MN, RV, SW, FDS w/ NPD Pad, SLF, RMS, SHC, N, FH.

Table with columns: SYMBOL, Type Isolator - Deflection, Supplementary Snubber Isolators, Type Base. Includes items like 1A & 2A, 1D1&2 and 2D1&2, 3A thru 7A, 3H1 thru 7H1, 19, 28, 29, 31, 20, 23, 33, 24, 25, 26, 27, 30, 32.

CHANGES TO THE SPECIFICATIONS: Revise pipe insulation: a. Use 1" instead of 1-1/2" insulation on 4" and larger pipe. b. Delete insulation of domestic cold and hot water in shop areas. c. Delete insulation of cold and hot water in chases, except insulation to remain in outside walls. d. Delete insulation on vertical roof drain piping. e. Natkin and Co. to do Testing and Balancing. f. Eliminate pilot positioners on pneumatic damper motors.

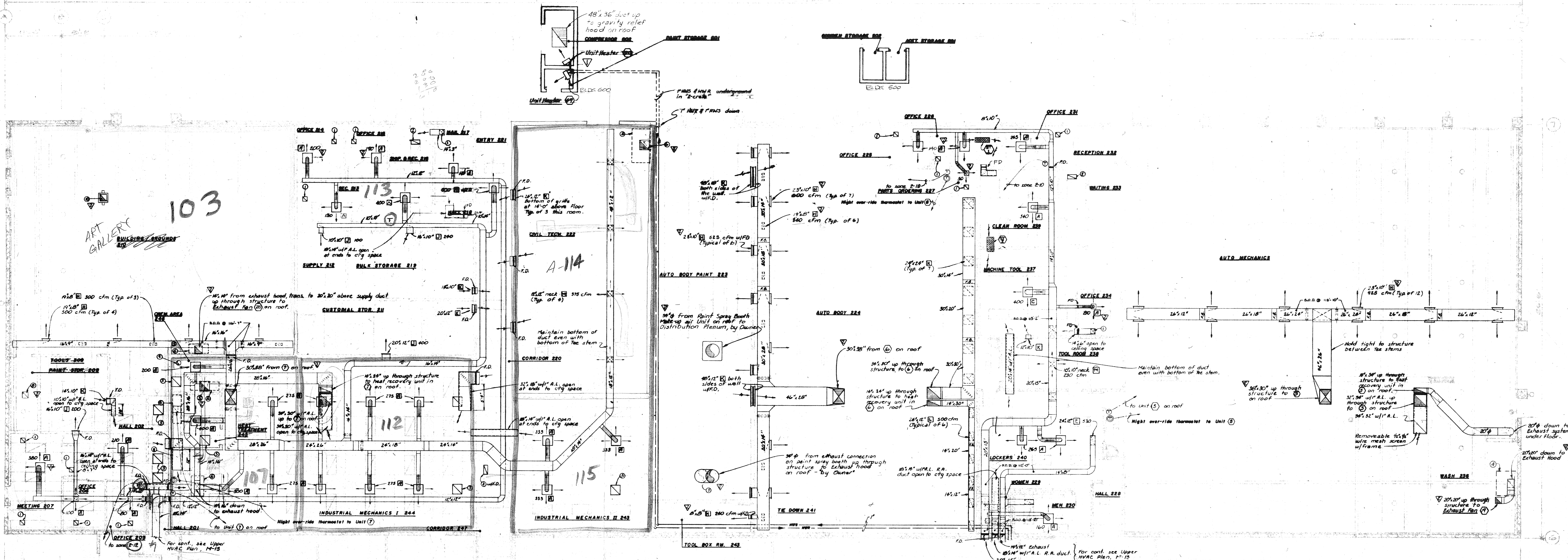
CHANGES TO THE PLUMBING FIXTURES SCHEDULE: a. Change to floor set water closets instead of wall hung.

Table with columns: SYMBOL, DESCRIPTION, Required Output, Total Input, BtuH(S.L.), Reznor Furnaces, Bypass Duct, Service. Includes items like AIR WASHERS, SPRAY PUMPS, GAS FIRED DUCT HEATERS, FILTERS, OUTSIDE RELIEF AND RETURN AIR DAMPERS, RETURN-RELIEF FANS, HEAT RECOVERY UNITS, CONTROL AIR COMPRESSOR, REFRIGERATED AIR DRYER, END SUCTION PUMPS, PACKAGED ROOFTOP HEAT RECOVERY UNIT, Suction Diffusers, IN-LINE PUMP, MONOXIVENT FITTINGS, REFRIGERATED AIR DRYER, CENTRAL AIR COMPRESSOR, GENERAL PURPOSE FANS.

Table with columns: SYMBOL, DESCRIPTION, CFM, S.P., O.V., FPM, RPM, BHP, Motor HP, Fan Size, Wheel. Includes items like CENTRAL ROOF-MOUNTED PACKAGED UNITS, CASING DETAILS, SUPPLY FAN, CHILLED WATER COILS, HOT DECK HOT WATER COILS, RETURN-RELIEF FANS, HEAT RECOVERY UNITS, EXHAUST FANS, MISCELLANEOUS COMPONENTS, CASING DETAILS, SUPPLY FAN.

Table with columns: SYMBOL, DESCRIPTION, CFM, S.P., O.V., FPM, RPM, BHP, Motor HP, Fan Size, Wheel. Includes items like CENTRAL ROOF-MOUNTED PACKAGED UNITS, CASING DETAILS, SUPPLY FAN, CHILLED WATER COILS, HOT DECK HOT WATER COILS, RETURN-RELIEF FANS, HEAT RECOVERY UNITS, EXHAUST FANS, MISCELLANEOUS COMPONENTS, CASING DETAILS, SUPPLY FAN.

Vertical text on the right side of the page: MORE COMBS BURCH, Architects/Engineers/Planners, ARAPAHOE COMMUNITY COLLEGE, phase two facilities, 5500 South Sante Fe Drive, Littleton, Colorado 80120, drawing title, MECHANICAL EQUIPMENT SCHEDULE, tracing key, 13382, drawn by, checked by, 5 AUG. 87, 13382, mcb db no, sheet, of, 10, #2, #3, #4, #5, #6, #7, #8, #9, #10.



103

KEYED NOTES:

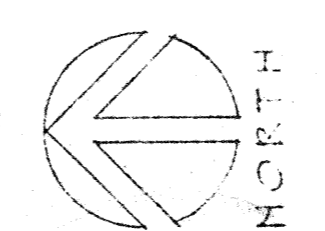
- ① 12" x 12"
- ② 12" x 18"
- ③ 18" x 24"
- ④ Exhaust hood, see Detail 13/M-10
- ⑤ 18" x 18" from hood, 18" x 18" up through structure to Exhaust fan (E) on roof. Ductwork to be constructed of stainless steel with all welded seams & joints.
- ⑥ 18" x 18" from hood, 18" x 18" up through structure to Exhaust fan (E)
- ⑦ 3/4" connection to exhaust on Owner supplied paint spray booth. verify connection size in field.
- ⑧ 18" x 18" up through structure to Exhaust fan (E) on roof. Terminate duct at bottom of Tee stems with 18" x 18" x 500 cfm.
- ⑨ 10" x 10" up from ceramic paint spray hood (not by mechanical contractor) to Exhaust Penthouse on roof.
- ⑩ 24" x 24" up from 24" x 24" x 12" plenum (with two 6" x 6" spin-in fittings, w/hand dampers) between Tee stems through structure to Exhaust fan (E) on roof.
- ⑪ 24" x 24" w/1" A.L. open at both ends to ceiling space.

GENERAL NOTES:

1. All round run-outs and drops to diffusers are the same nominal size as the scheduled diffuser neck size.
2. For equipment on the roof, see Mech. East Roof Plan, M-16.
3. All duct sizes shown on the drawings are net inside dimensions unless the duct has acoustical lining. Duct sizes shown on the drawings w/1" A.L. are outside dimensions, net inside dimensions are two inches smaller each dimension.
4. Provide turning vanes in all square (90°) rectangular elbows.

- RTU #1
- RTU # 2
- RTU # 5
- RTU # 6
- RTU # 7
- RTU # 8

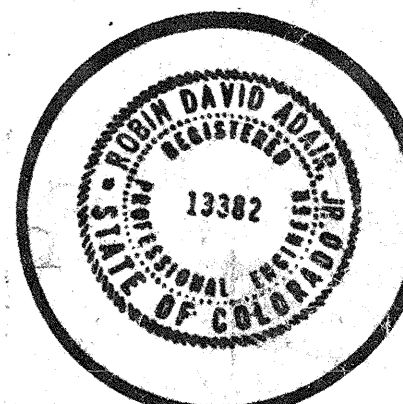
EAST HVAC PLAN
SCALE: 1/8" = 1'-0"



tracing key

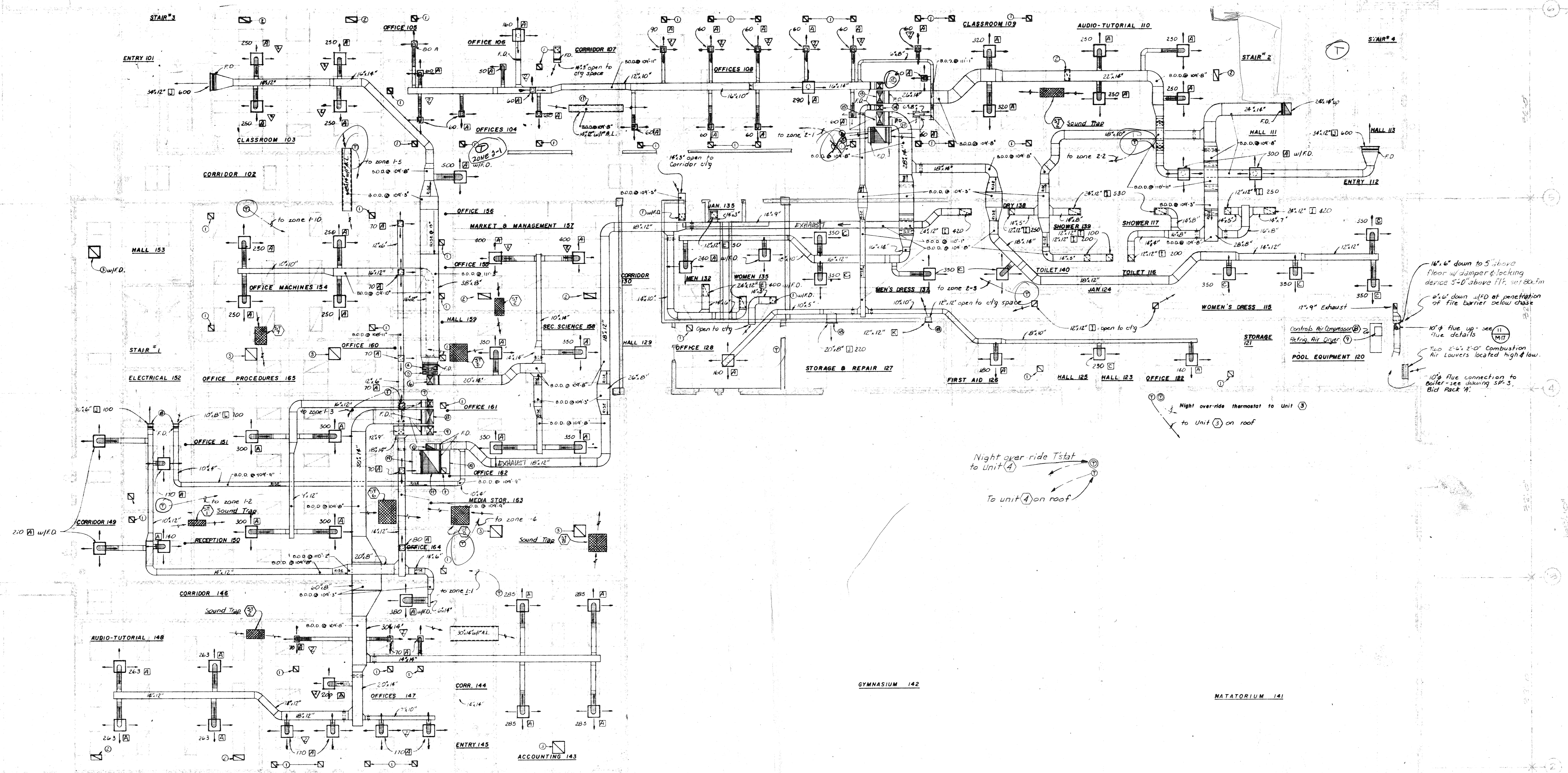
A	B	C	D	E	F
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

STATE PROJECT 2136
drawing title
EAST HVAC PLAN



Drawn by
checked by
DATE MADE No. 1
AUGUST 15, 1976
APPROVED
BY
DATE
6/1/76

msl:ue
#2 10/7/76
#2 2/2/76
mcb job no
7510
sheet
of
M II
CB sheets



KEYED NOTES:

- ① 12", 12" EXHAUST
- ② 12", 24" EXHAUST
- ③ 24", 24"
- ④ 24", 32" zone 1-5, 2100 cfm
- ⑤ 24", 32" zone 1-6, 1200 cfm
- ⑥ 20", 14" zone 1-4, 2200 cfm
- ⑦ 16", 12" zone 1-3, 1200 cfm
- ⑧ 30", 14" zone 1-1, 3180 cfm
- ⑨ 18", 24" zone 1-2, 1760 cfm
- ⑩ 12", 10" Exhaust up, 370 cfm
- ⑪ 10", 36" Return Air up
- ⑫ 10", 14" zone 2-1, 1430 cfm
- ⑬ 24", 14" zone 2-2, 1640 cfm
- ⑭ 11", 14" zone 2-4, 930 cfm
- ⑮ 18", 14" zone 2-1, 3280 cfm
- ⑯ 24", 32" Return Air up
- ⑰ Return air transfer duct open at both ends to ceiling space with 80.0 @ 10' unless otherwise indicated.
- ⑱ Bottom of sidewall register or grille 1'0" above finished floor.
- ⑲ 48" x 4" Return air open to ceiling space
- ⑳ 32" x 14" Return air open to ceiling space

GENERAL NOTES:

1. All round runouts and drops to diffusers are the same nominal size as the scheduled diffuser neck size.
2. All duct sizes shown on the drawings are net inside dimensions unless the duct has acoustical lining. Duct sizes shown on drawings with I.R.E. are outside dimensions, net inside dimensions are two inches smaller each dimension.
3. Provide turning vanes in all square (90°) rectangular elbows.

Night override thermostat to Unit 3
to Unit 4 on roof

16" x 6" down to 5" above floor w/ damper & locking device 5'-0" above FF, not 80.0
4" x 6" down 1/2" of penetration of fire barrier below chase
10" x 4" flue up - see true details
Two 2" x 2" 2"0" Combustion Air Louvers located high & low
10" flue connection to boiler - see drawing SP. 3, Blk Pack 4.

94

LOWER WEST HVAC PLAN

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

tracing key

A	B	C	D	E	F
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48
49	50	51	52	53	54
55	56	57	58	59	60
61	62	63	64	65	66
67	68	69	70	71	72
73	74	75	76	77	78
79	80	81	82	83	84
85	86	87	88	89	90
91	92	93	94	95	96
97	98	99	100		

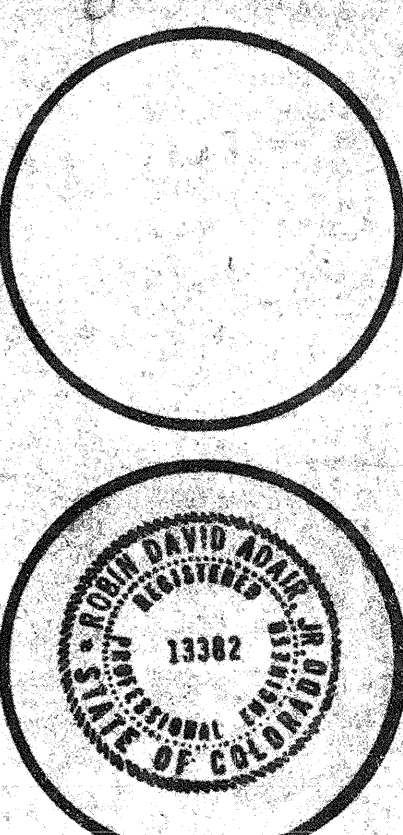


drawn by
checked by
DATE ISSUED
AUGUST 1976
REVISIONS
1 ISSUE 1
2 ISSUE 2
3 ISSUE 3
4 ISSUE 4
5 ISSUE 5
6 ISSUE 6

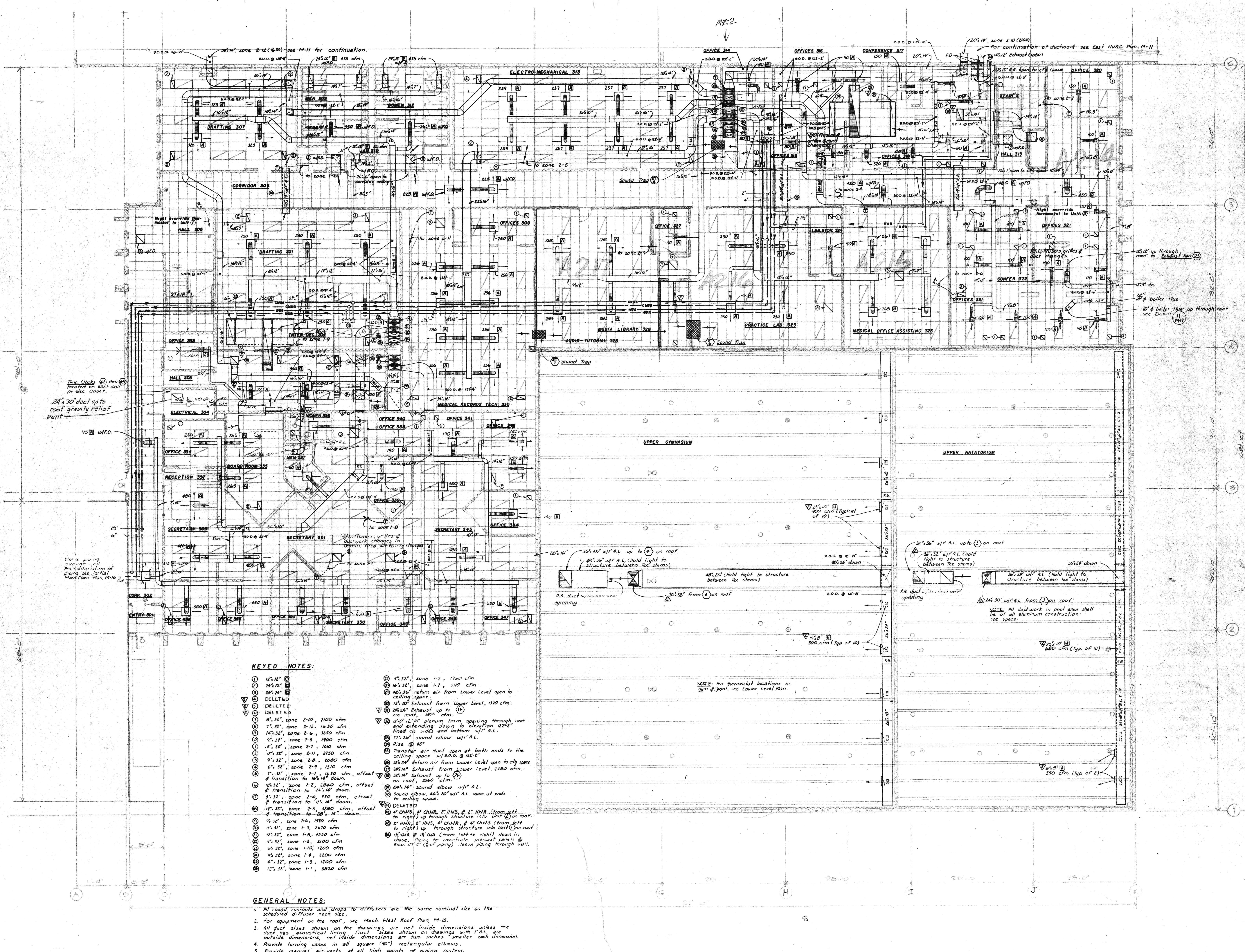
ISSUE 1
#2 10/1/76
#3 8/23/76
#4 8/23/76

m-c-b job no. 71510
sheet of 10
M 12
3 sheets

tracing key table with grid letters A-F and numbers 1-6



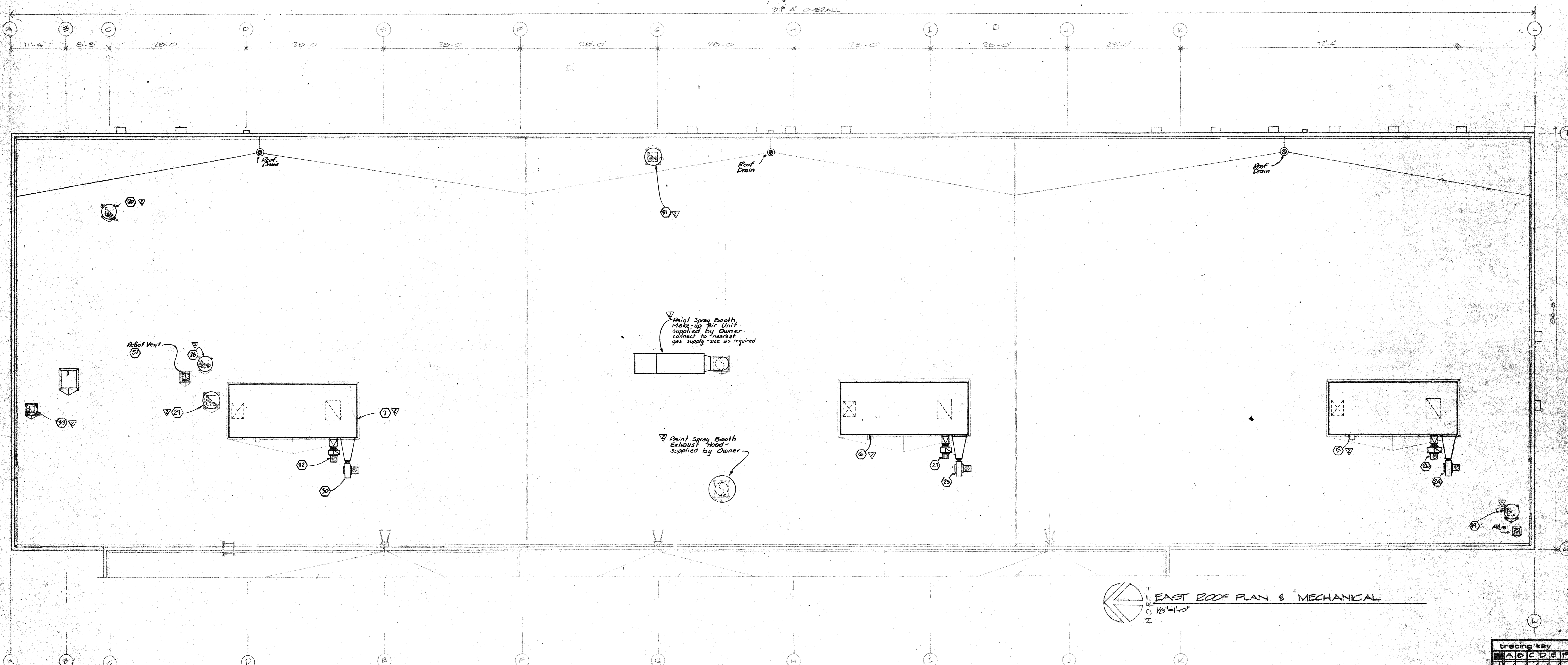
revision table with columns for date, issue, and description




- KEYED NOTES: 1. 12.12" zone 2-12 (1630) see M-11 for continuation... 2. 24.12" zone 2-12, 2100 cfm... 3. 12.12" zone 1-2, 1700 cfm... 4. 16.32" zone 1-7, 500 cfm...

- GENERAL NOTES: 1. All round runouts and drops to diffusers are the same nominal size as the scheduled diffuser neck size... 2. For equipment on the roof, see Mech. West Roof Plan, M-15...

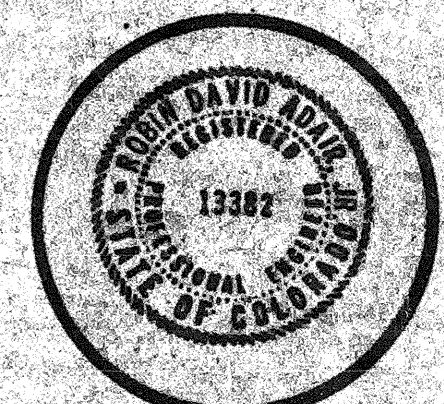
UPPER HVAC PLAN
SCALE: 1/8" = 1'-0"




EAST ROOF PLAN & MECHANICAL
 1/8"=1'-0"

tracing key						
A	B	C	D	E	F	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						
68						
69						
70						
71						
72						
73						
74						
75						
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
86						
87						
88						
89						
90						
91						
92						
93						
94						
95						
96						
97						
98						
99						
100						

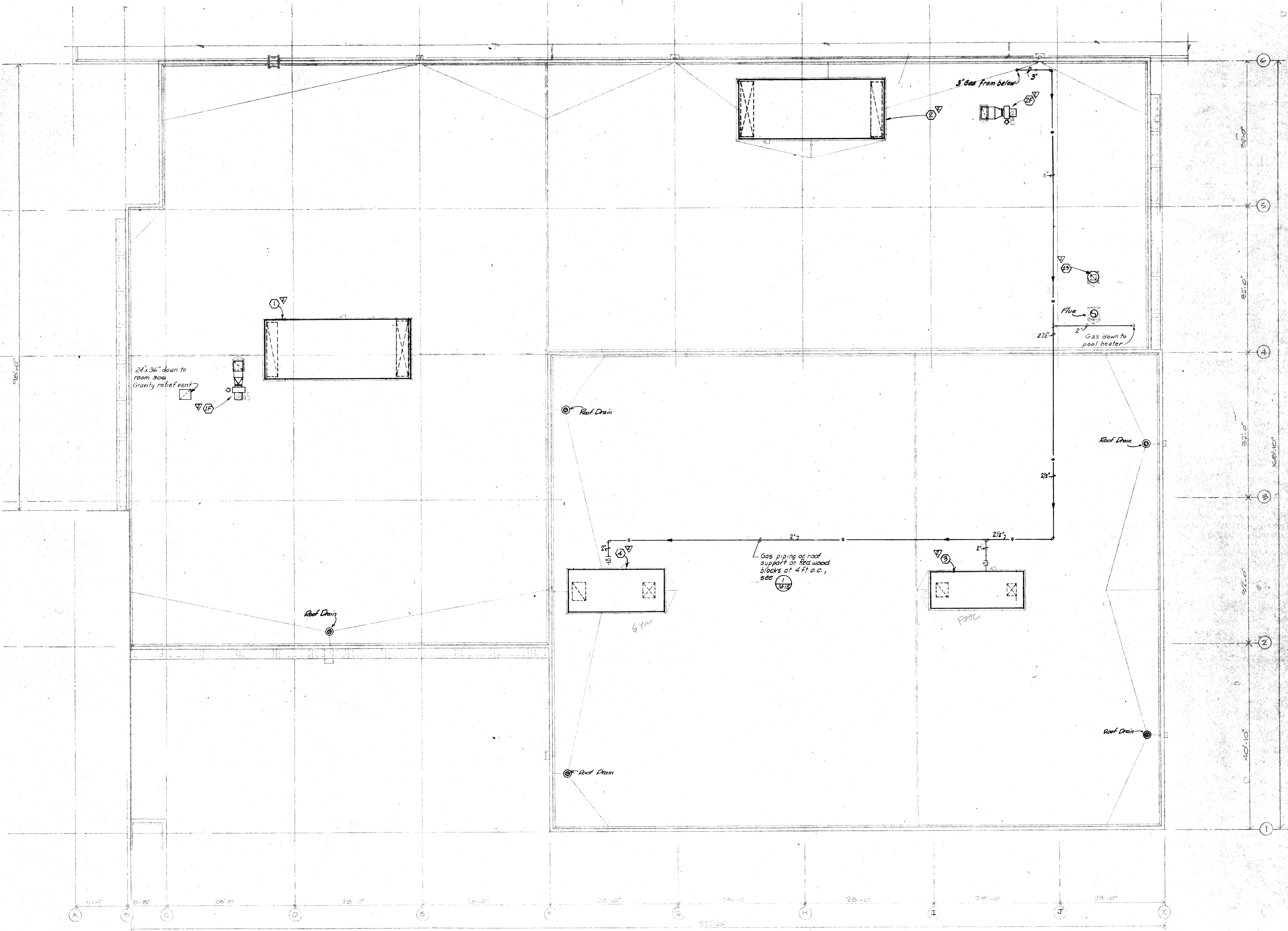
drawing title
 MECHANICAL
 EAST
 ROOF
 PLAN

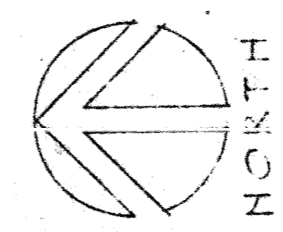


Drawn by
 B. J. P. [Name]
 Checked by
 [Name]
 Date issue No. 1
 AUGUST 3, 1976
 REVISIONS
 NO. ISSUE 2
 BY [Name]
 DATE [Date]

ISSUE
 #2 10/7/76
 #3 2/7/78

mob job no.
 7810
 sheet
M
14
 of
38
 [Signature]



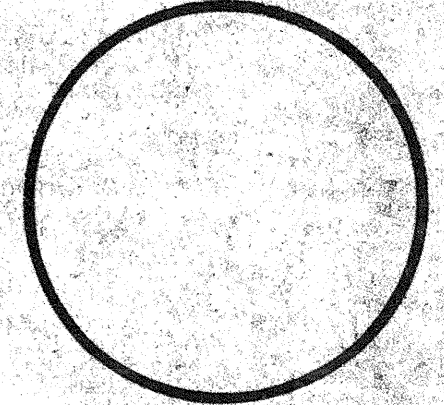

WEST ROOF PLAN & MECHANICAL
 1/8" = 1'-0"

phase two facilities:
ARAPAHOE COMMUNITY COLLEGE
 5900 South Santa Fe Drive, Littleton, Colorado 80120
 state project no. 2136

drawing title
MECHANICAL WEST ROOF PLAN

tracing key

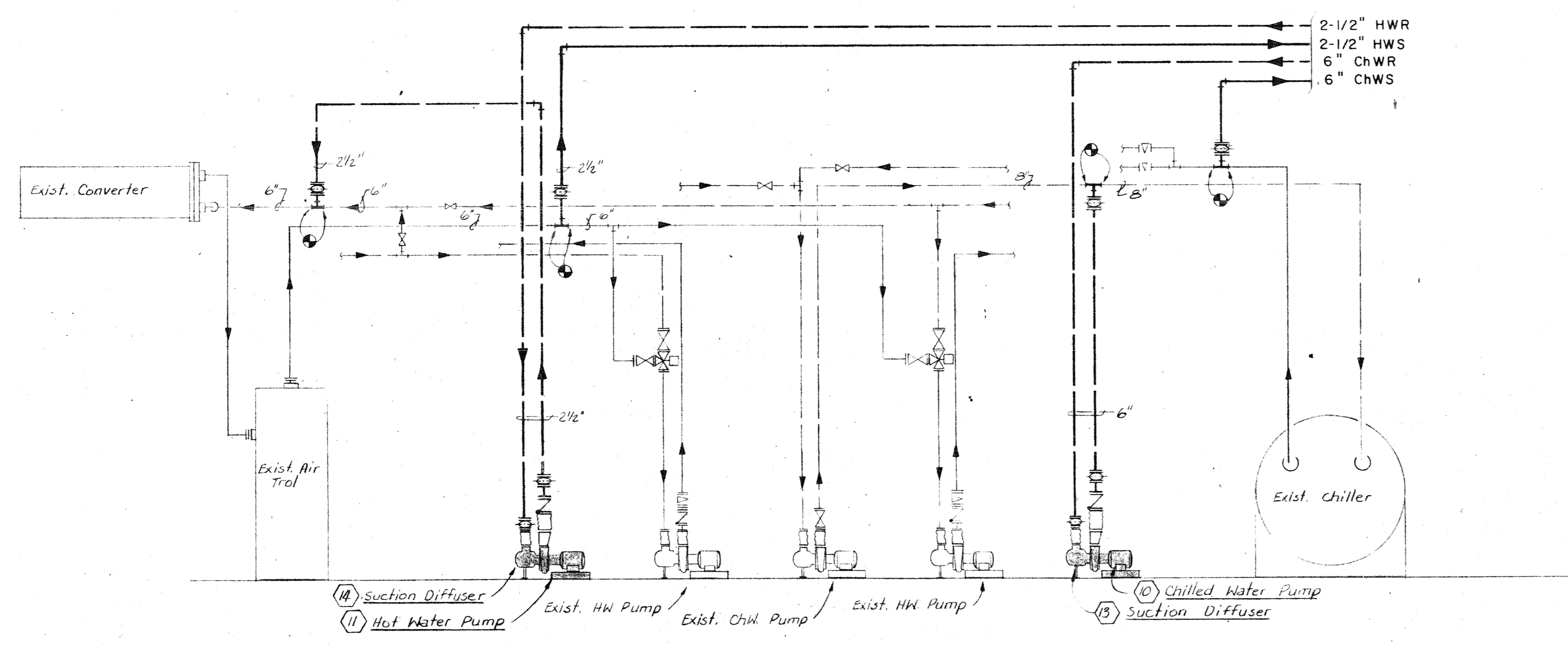
	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						



drawn by: B & F TEW
 checked by: PJS
 date issue: AUG 31 1976
 revisions:
 1) ISSUE 2
 2) ISSUE 1, 2, 3, 4
 3) AS SHOWN
 PJS

ISSUE
#2 10/1/76
#3 2/21/76

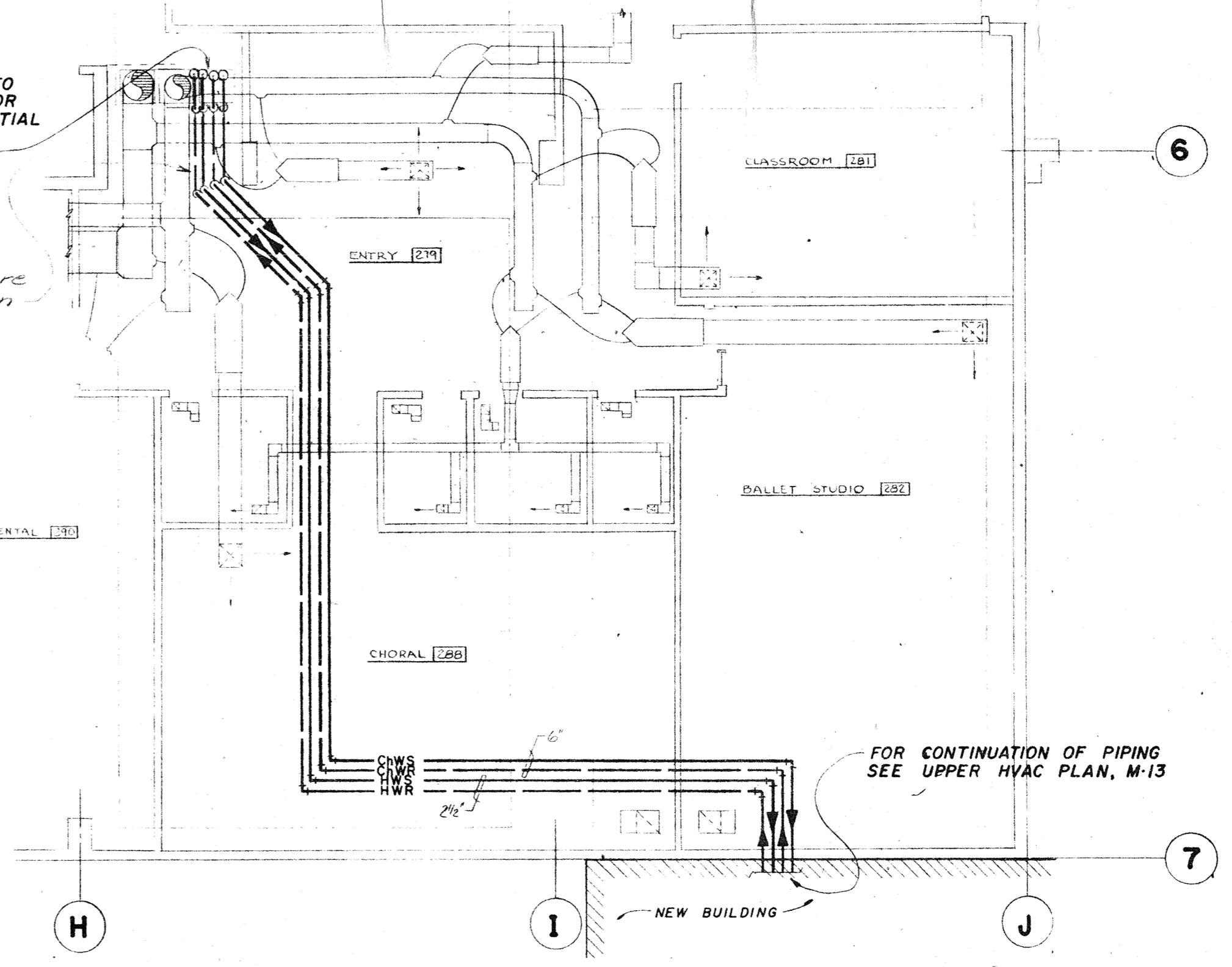
mcb job no. 7130
 sheet 10 of 13
M 13
 of 63 sheets



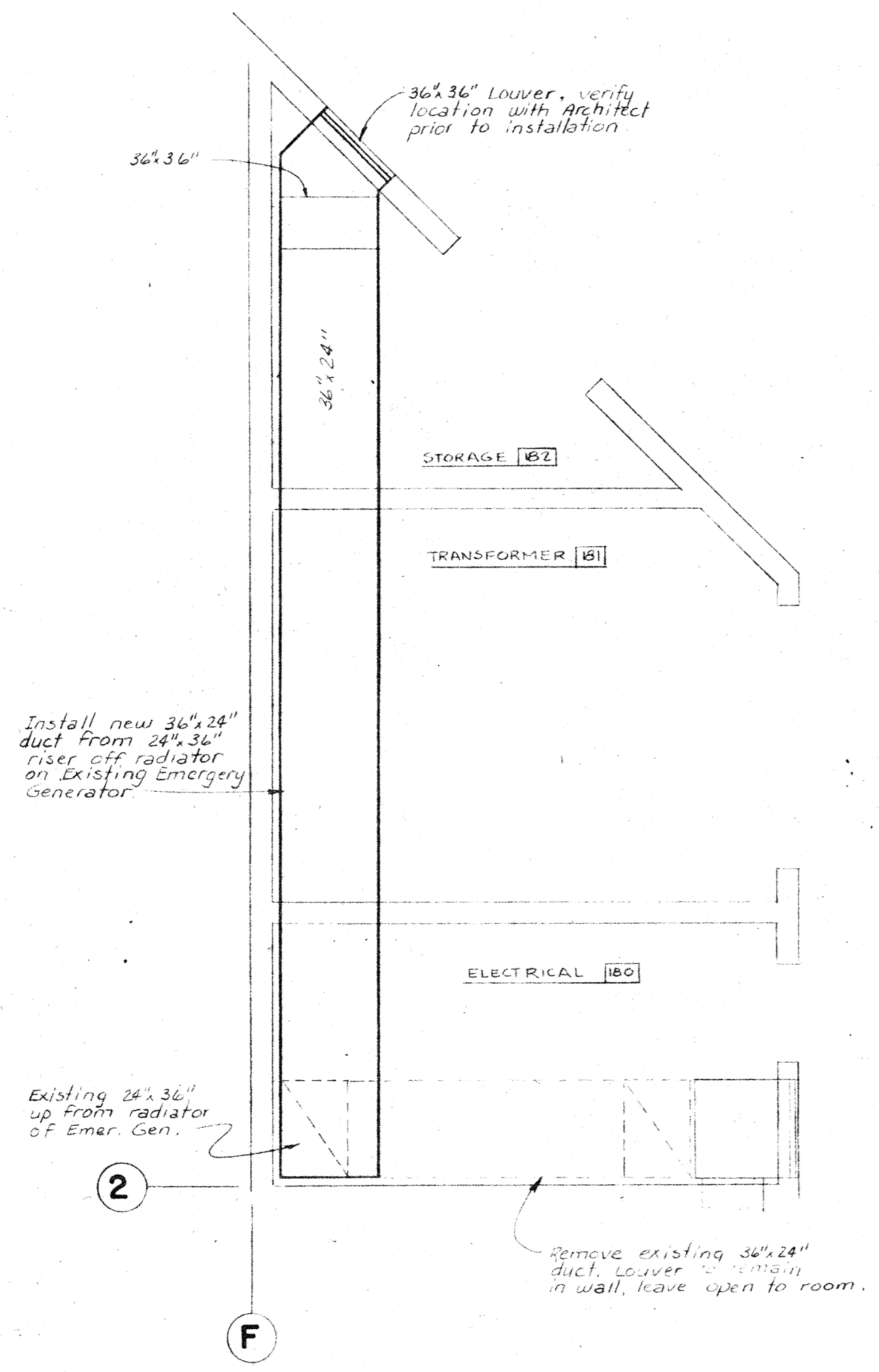
PARTIAL EQUIPMENT ROOM PIPING SCHEMATIC - EXISTING BLDG.
SCALE: NONE

PIPING UP IN CHASE TO MECH. EQUIP. ROOM. FOR CONTINUATION SEE PARTIAL MECH. ROOF PLAN ON THIS SHEET.

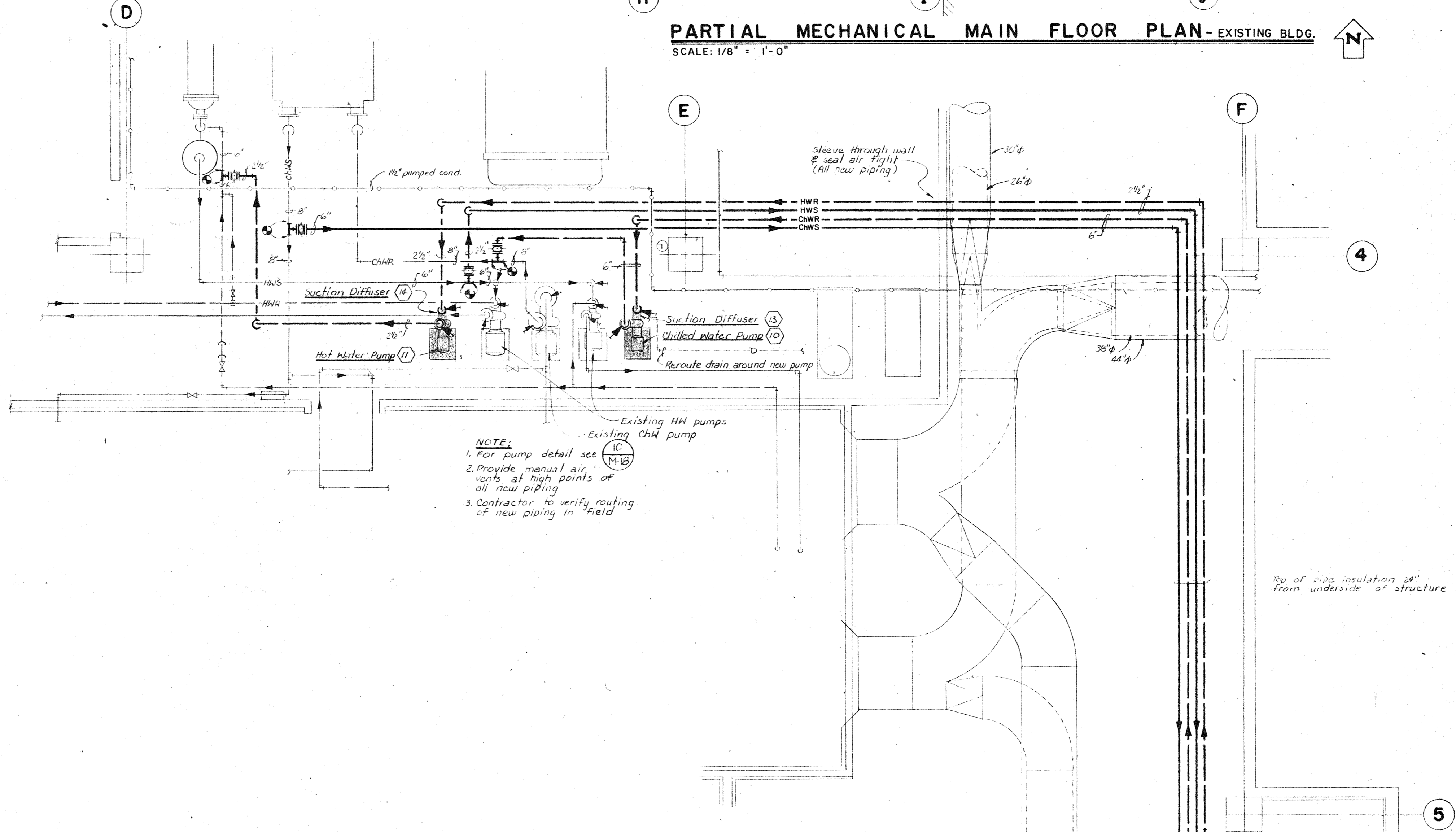
Remove and then replace fire damper after pipe installation



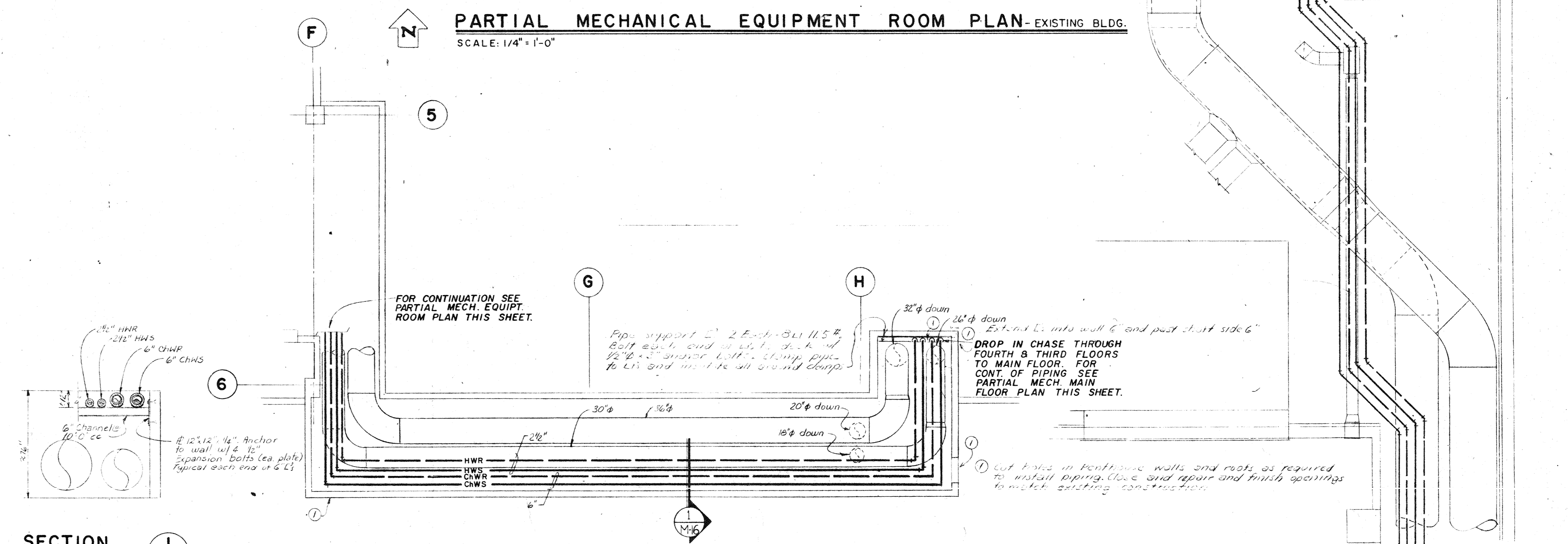
PARTIAL MECHANICAL MAIN FLOOR PLAN - EXISTING BLDG.
SCALE: 1/8" = 1'-0"



PARTIAL MECHANICAL GARDEN LEVEL FLOOR PLAN - EXISTING BUILDING
SCALE: 1/4" = 1'-0"



PARTIAL MECHANICAL EQUIPMENT ROOM PLAN - EXISTING BLDG.
SCALE: 1/4" = 1'-0"



PARTIAL MECHANICAL ROOF PLAN - EXISTING BLDG.
SCALE: 1/8" = 1'-0"

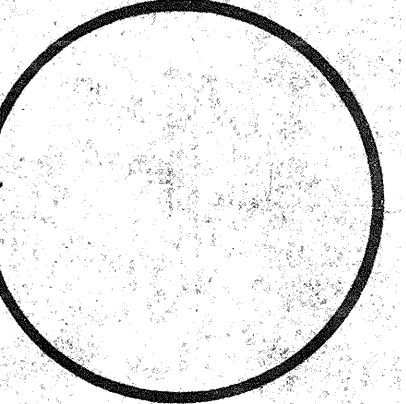
MORE COMBS BURCH
Architects/Engineers/Planners
3911 East Exposition Avenue
Denver, Colorado 80202
Area 303 744-3157

phase two facilities:
ARAPAHOE COMMUNITY COLLEGE
5900 South Santa Fe Drive, Littleton, Colorado 80120
state project no. 2136

drawing title
PARTIAL FLOOR PLANS EXISTING BUILDING

tracing key

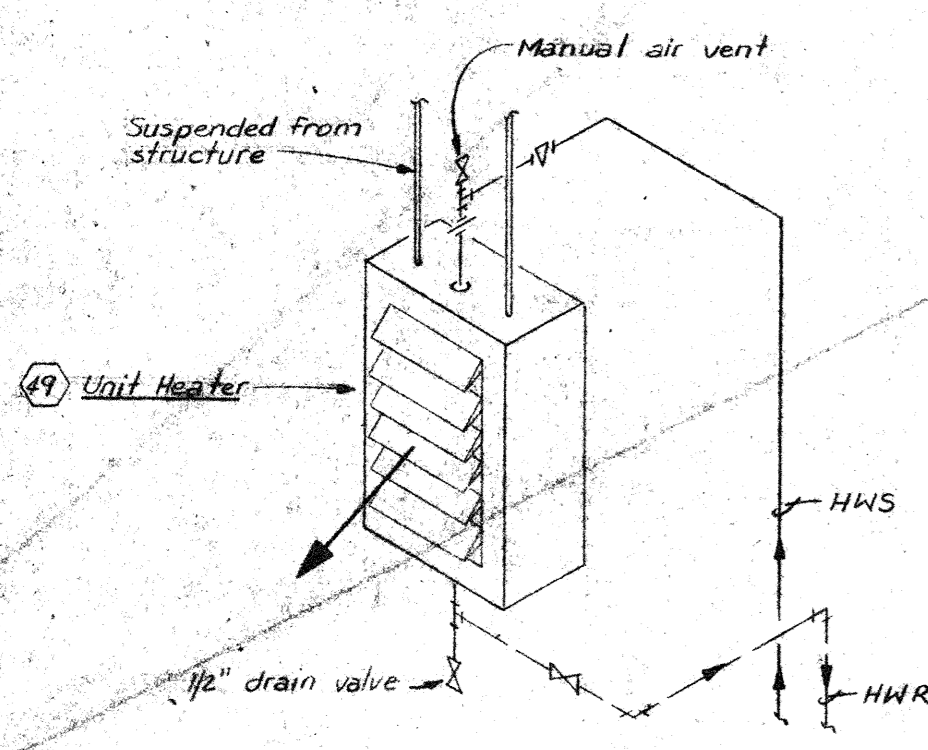
	A	B	C	D	E	F
MECH. EQUIP. ROOM						
MAIN FLOOR						
GARDEN LEVEL						
ROOF						



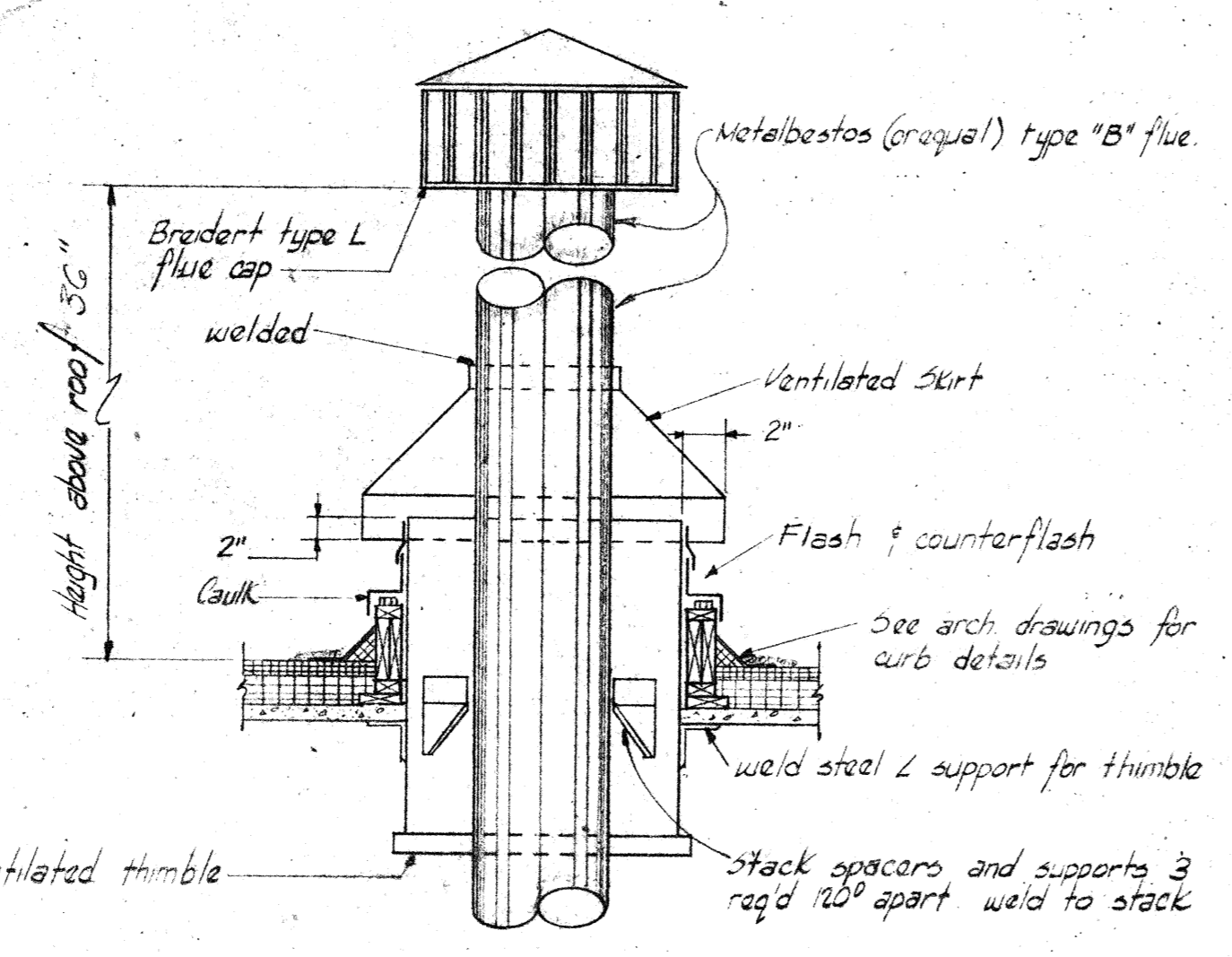
drawn by
RGS
checked by
RGS
DATE
5 AUG. 1976
REVISIONS
1. AS BUILT BWC
4-7-78

mbb job no.
7510
sheet
M
IG
of
10
sheets

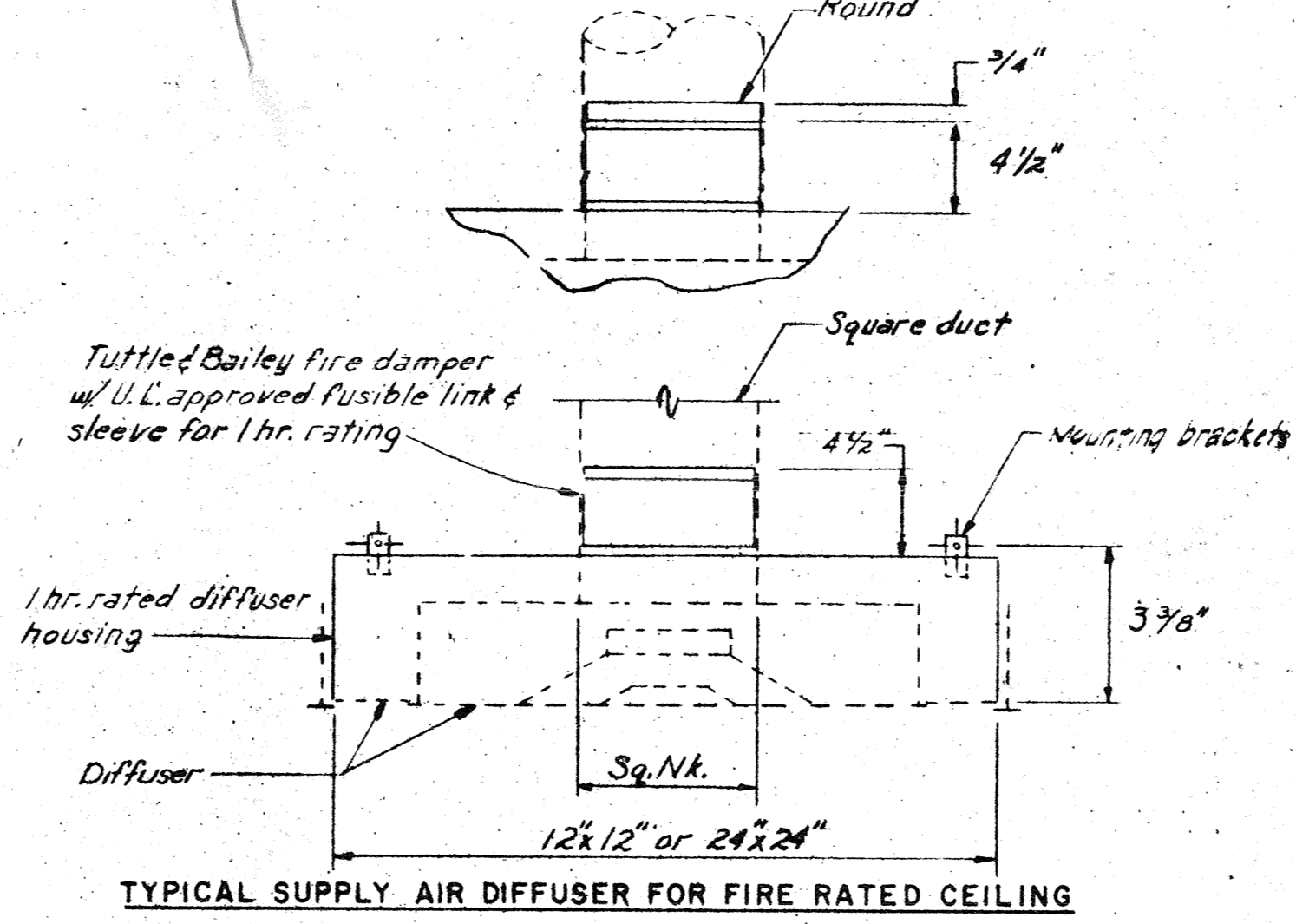
FOR CONTINUATION OF PIPING SEE PARTIAL MECH. ROOF PLAN THIS SHEET.



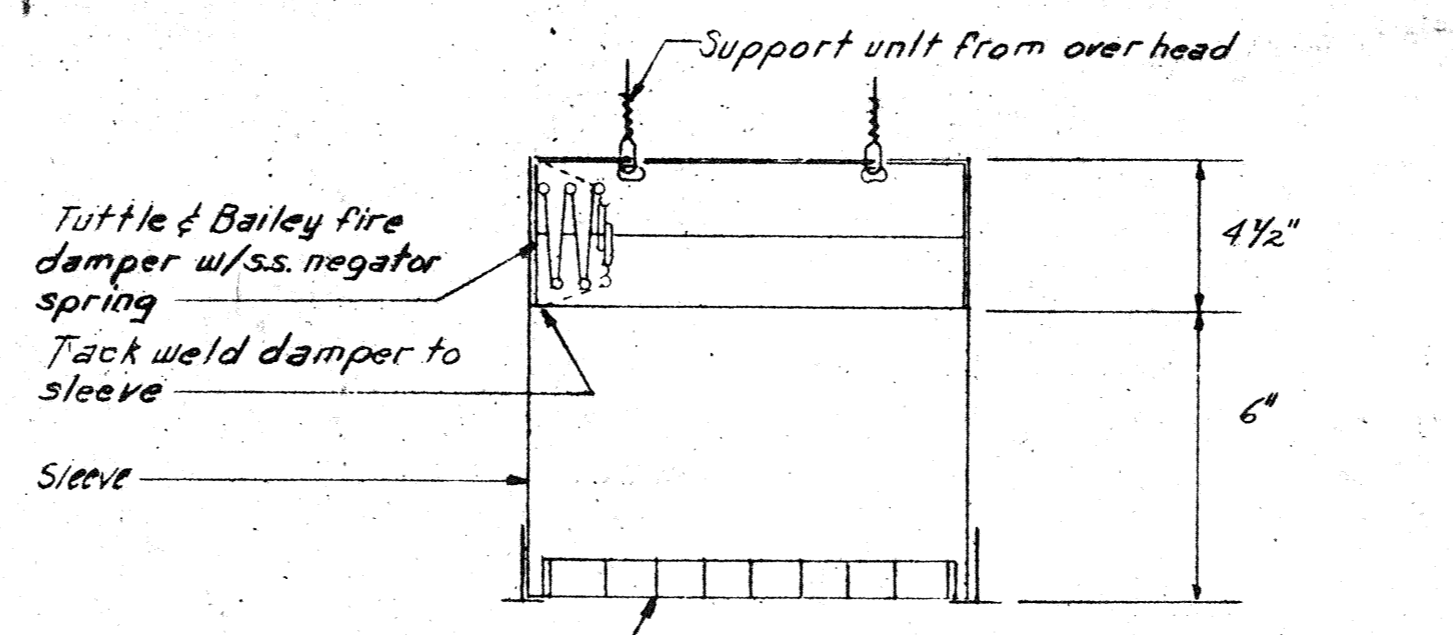
UNIT HEATER DETAIL
SCALE: NONE
14
M-17



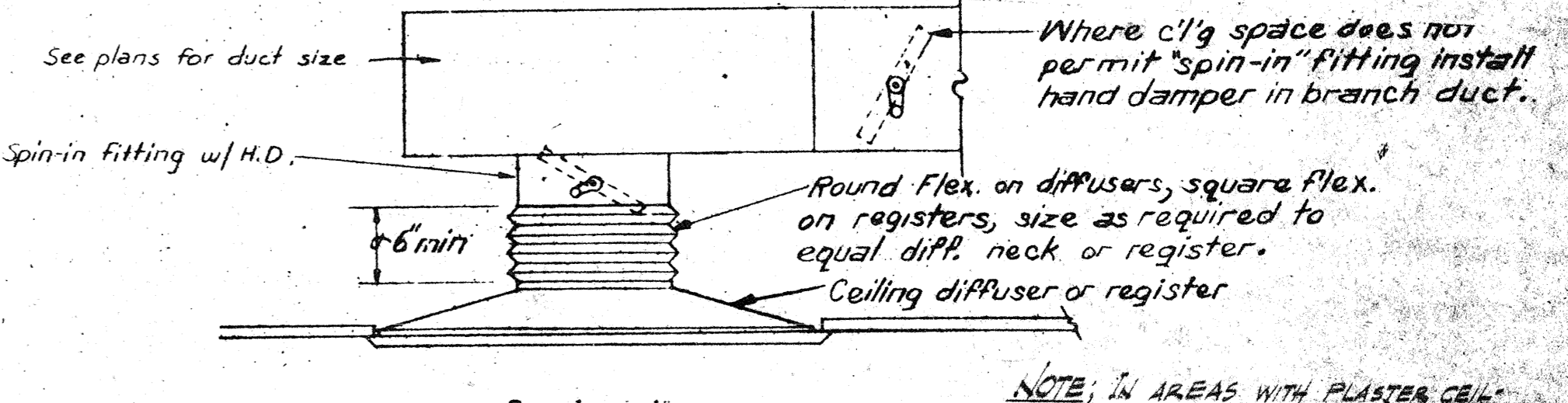
FLUE DETAIL
SCALE: NONE
11
M-17



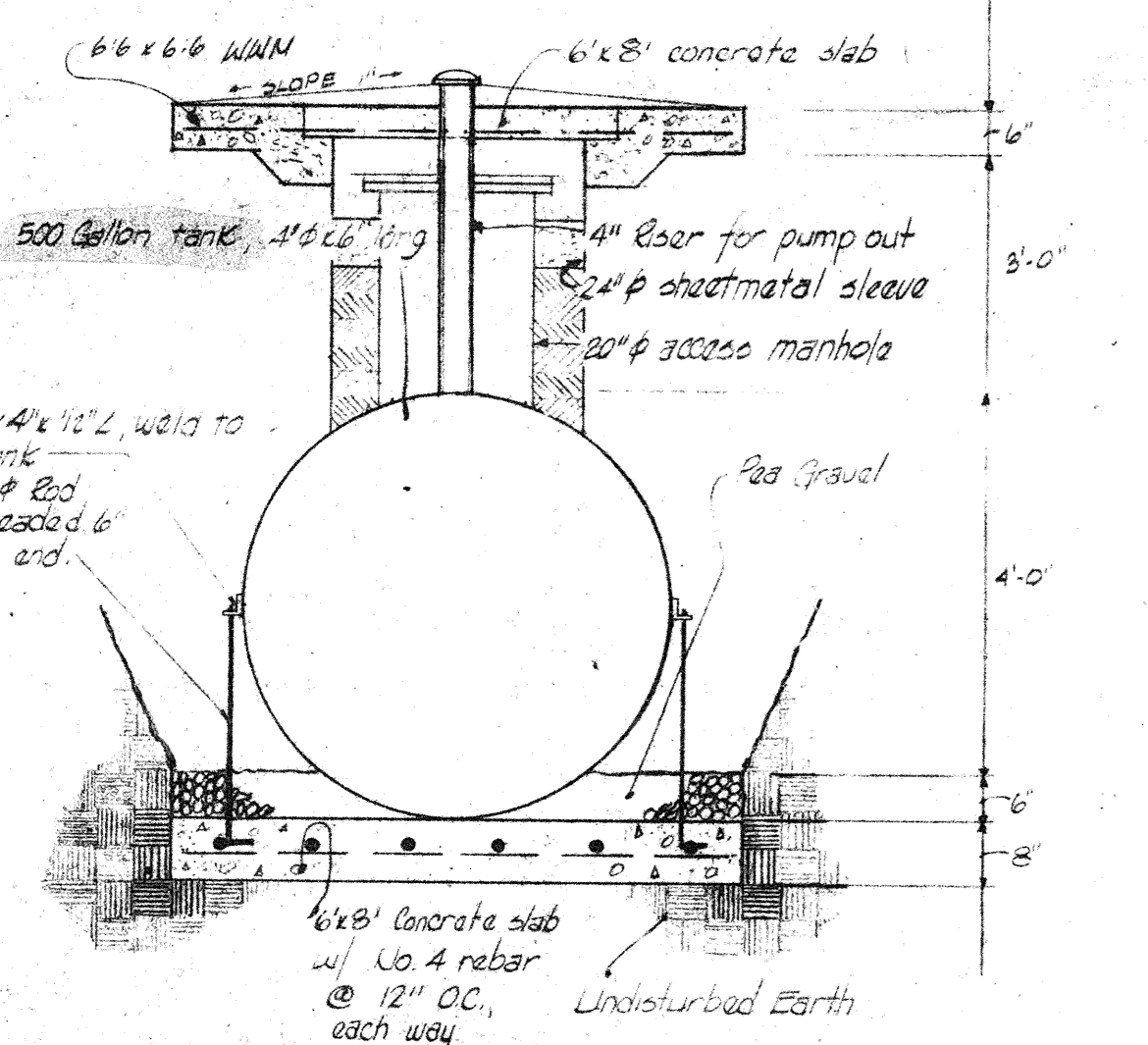
TYPICAL SUPPLY AIR DIFFUSER FOR FIRE RATED CEILING



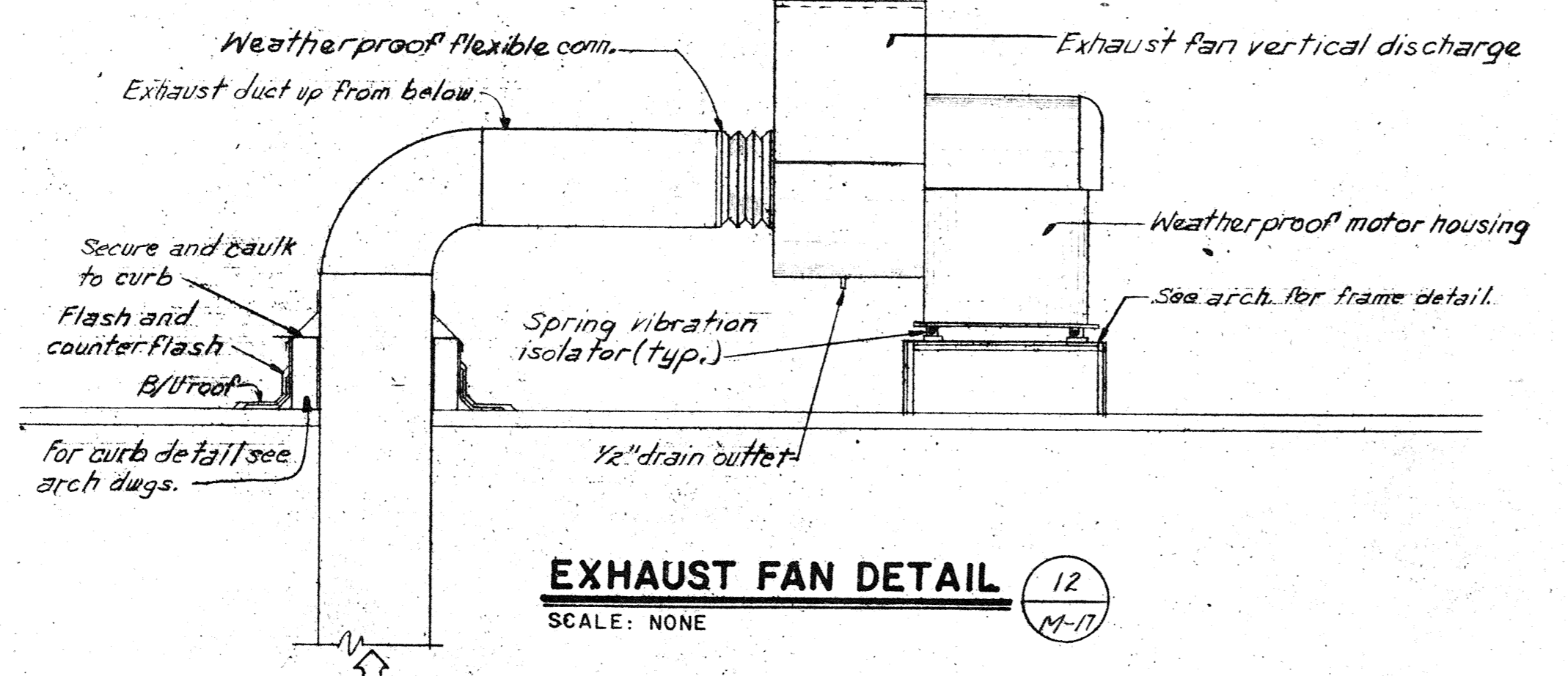
TYPICAL RETURN AIR GRILLE FOR FIRE RATED CEILING



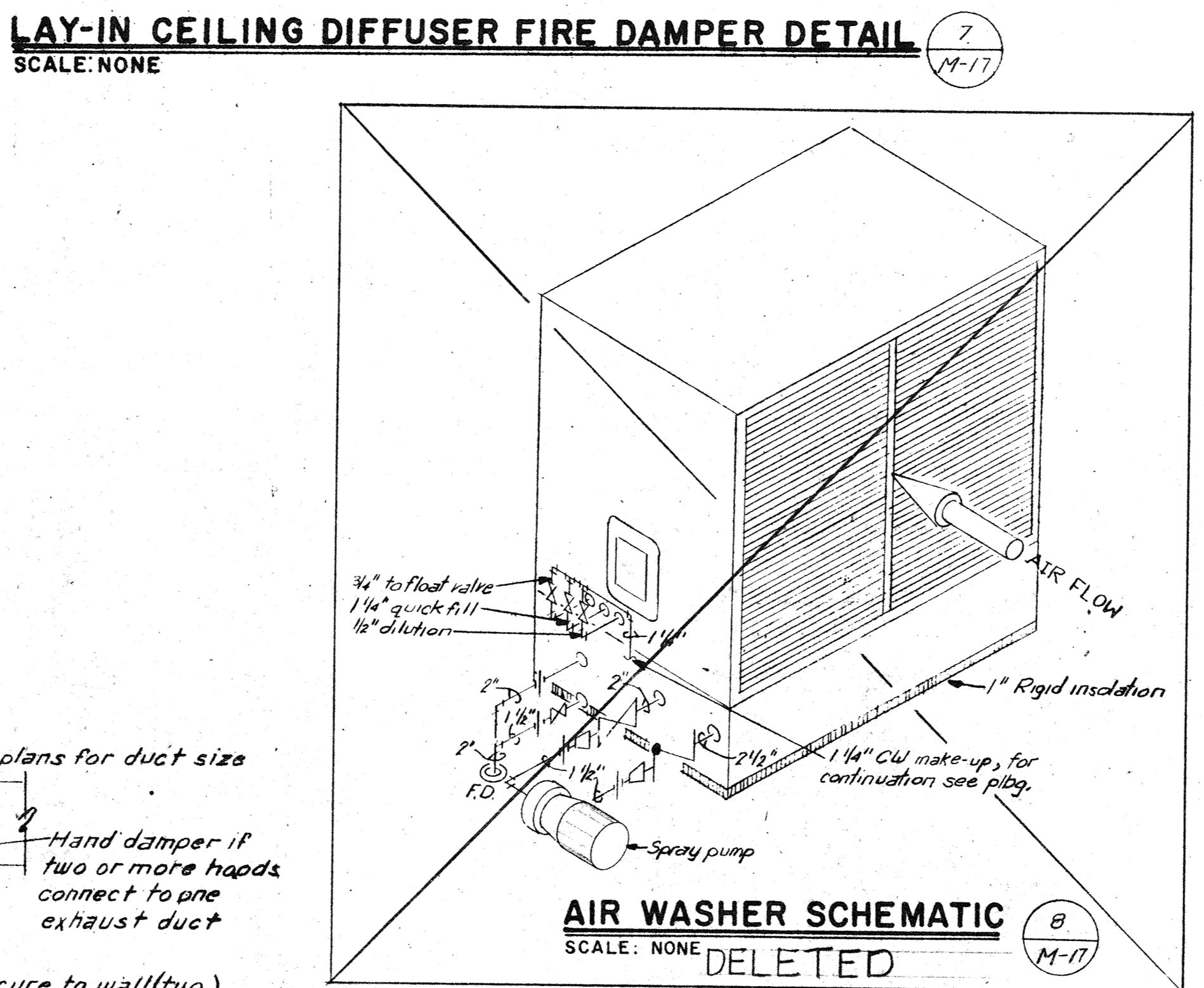
DIFFUSER CONNECTION DETAIL
SCALE: NONE
1
M-17



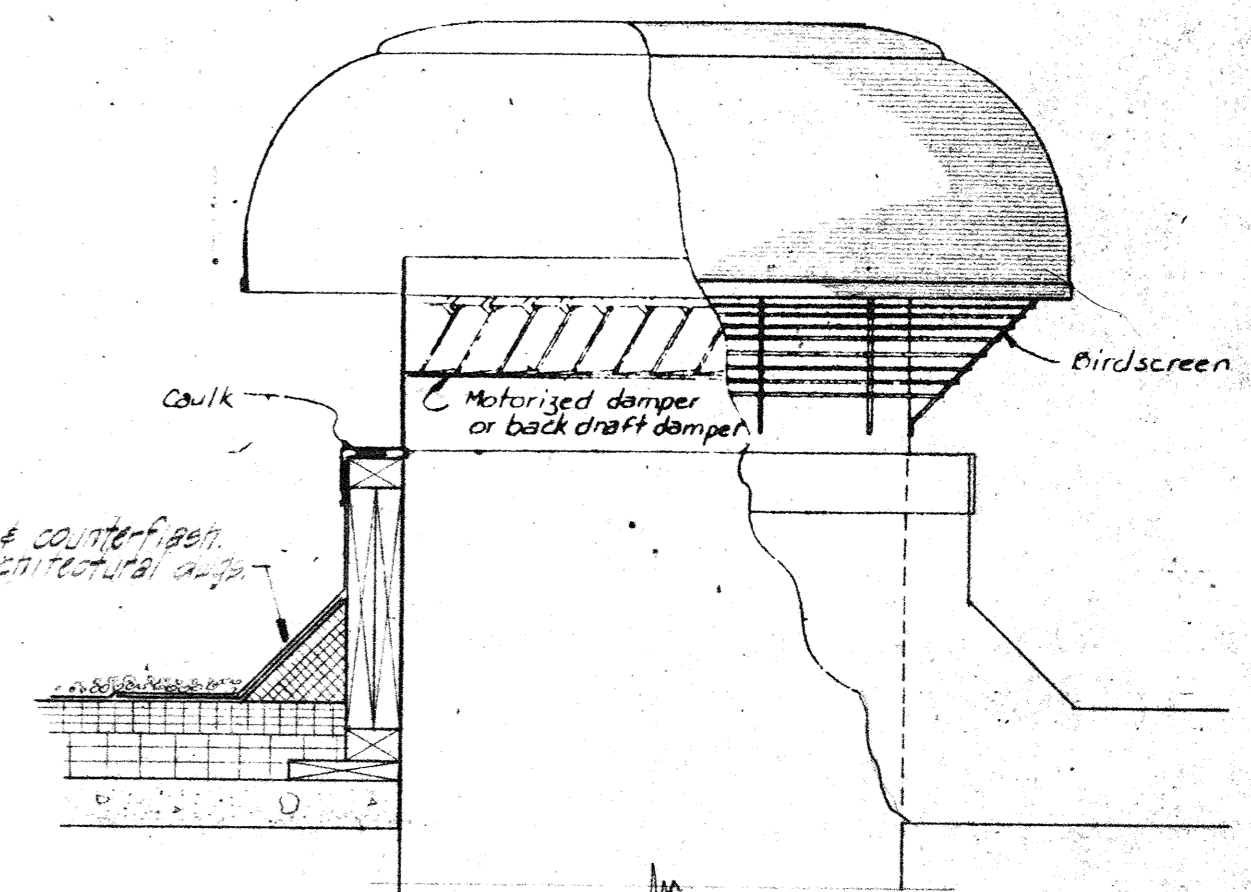
WASTE OIL STORAGE TANK DETAIL
NO SCALE
15
M-17



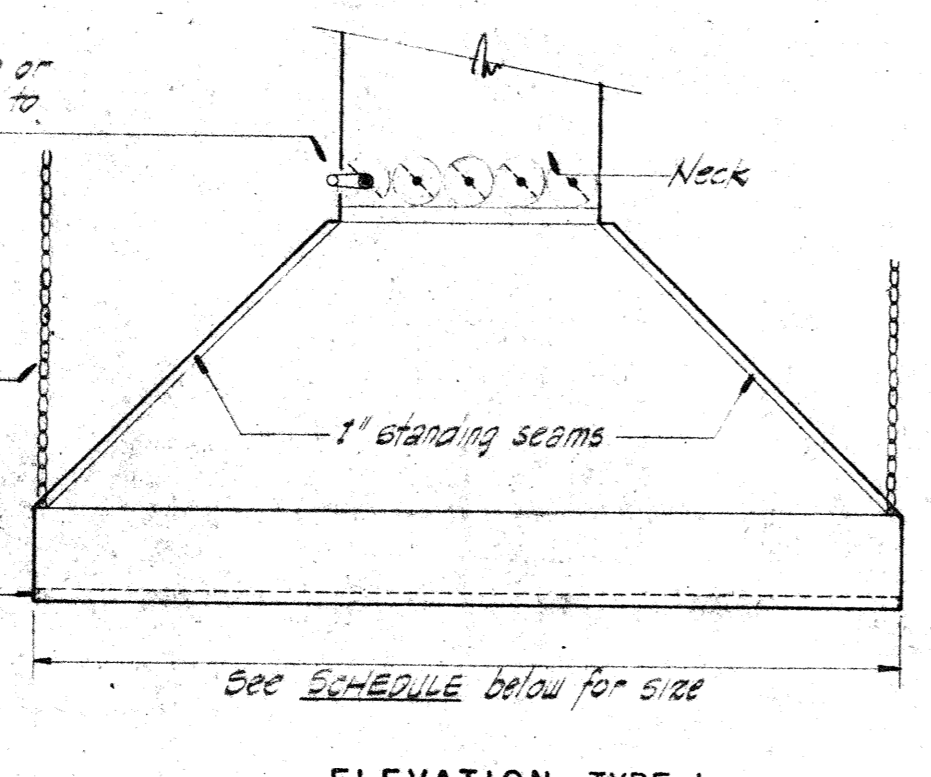
EXHAUST FAN DETAIL
SCALE: NONE
12
M-17



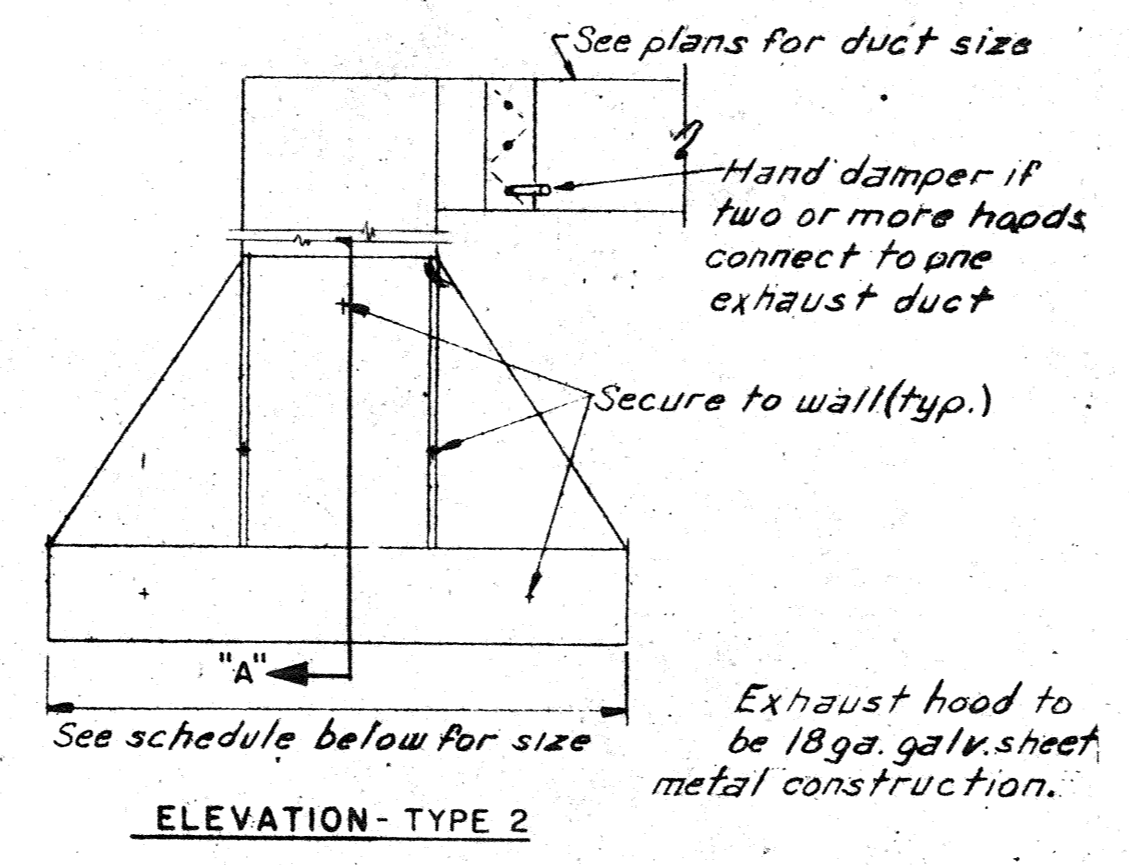
AIR WASHER SCHEMATIC
SCALE: NONE
DELETED
8
M-17



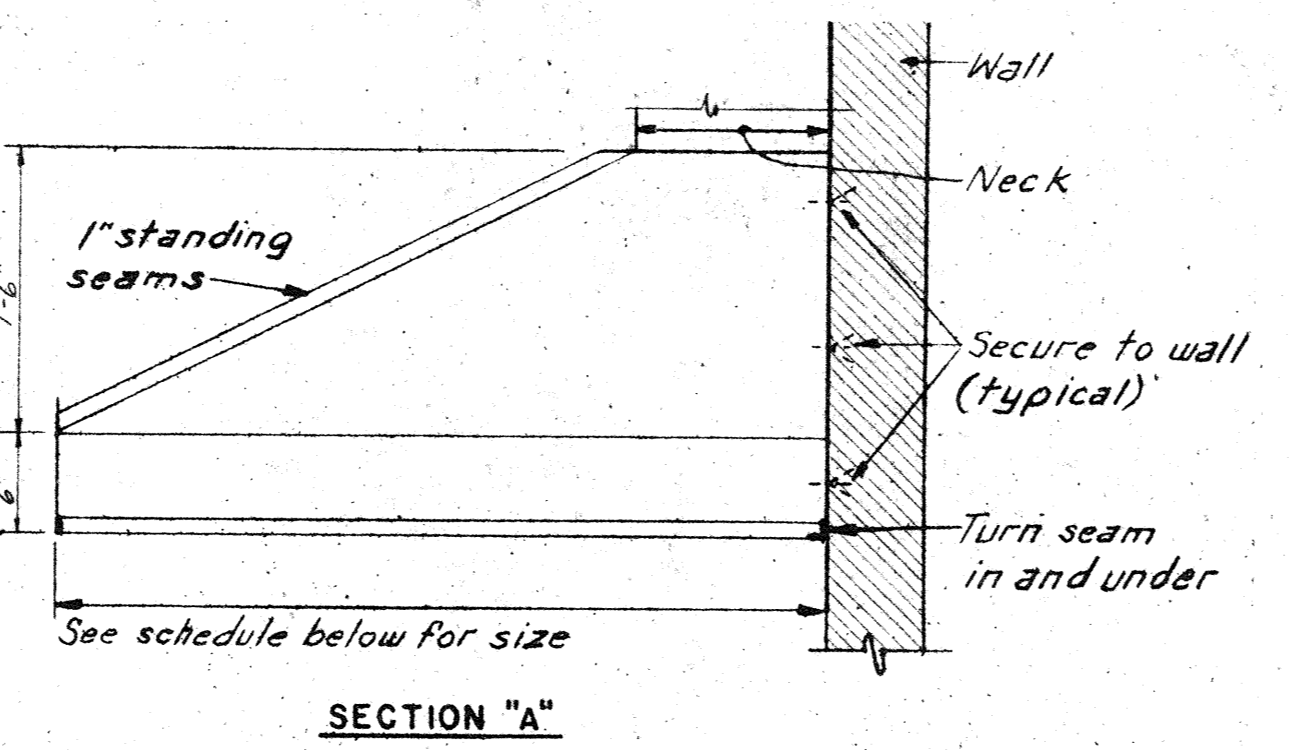
RELIEF VENT DETAIL
SCALE: NONE
2
M-17



ELEVATION - TYPE 1



ELEVATION - TYPE 2



SECTION 'A'

HOOD SCHEDULE							
ROOM NAME	RM. NO.	TYPE	LENGTH x WIDTH	CFM	NECK SIZE	H.I. FLOOR SERVICE	
Bldg./Grounds	210	2	4'-0" x 2'-0"	1500	14" x 14"	6'-6"	Welding Table
Chem. Area	246	2	8'-0" x 2'-0"	1800	18" x 14"	6'-6"	Portable Sinks
Heat Treatment	245	2	6'-0" x 2'-0"	1800	16" x 14"	6'-6"	Triple Treat Furnace
Indus. Mech. I	244	1	4'-0" x 2'-6"	1800	18" x 14"	6'-6"	Forge Furnace
Civil Tech	222	2	7'-0" x 4'-0"	2000	18" x 14"	6'-6"	Copping Metal Table
Wash	236	2	5'-0" x 3'-0"	2000	18" x 16"	9'-0"	Solvent Tank

*Stainless steel hood & ductwork

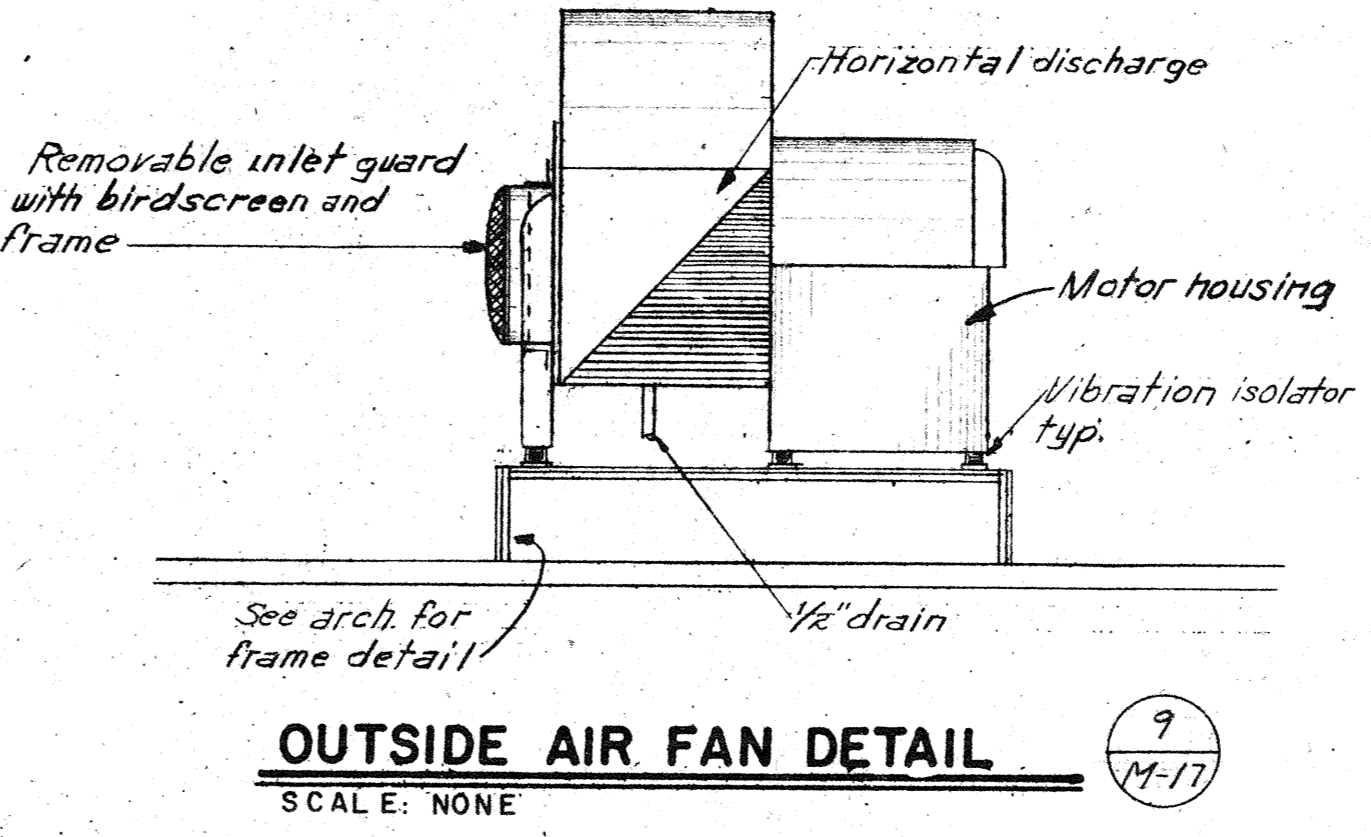
- General Notes:**
- Locking type weatherproof cap set in concrete slab. Pumpout, 4" clear.
 - 6" thick conc. slab w/ 6" x 6" x 6" W.W.M.
 - 24" sheet metal sleeve.
 - 20" access manhole w/ bolted cover.
 - 500 Gallon Tank 4' x 6' long.
 - 4" inlet connection to building.
 - 1 1/2" vent to building.
 - Unobstructed Earth.
 - Pea Gravel.
 - 6" x 4" x 1/2" L, 6" long weld to tank.
 - 1 1/2" x 3/4" threaded 6" at end, zinc coated.
 - 1 1/2" x 3/4" slot.
 - 6" thick concrete slab 6" x 6" w/ No. 4 rebar @ 12" o.c., each way.

HOOD DETAIL
SCALE: NONE
13
M-17

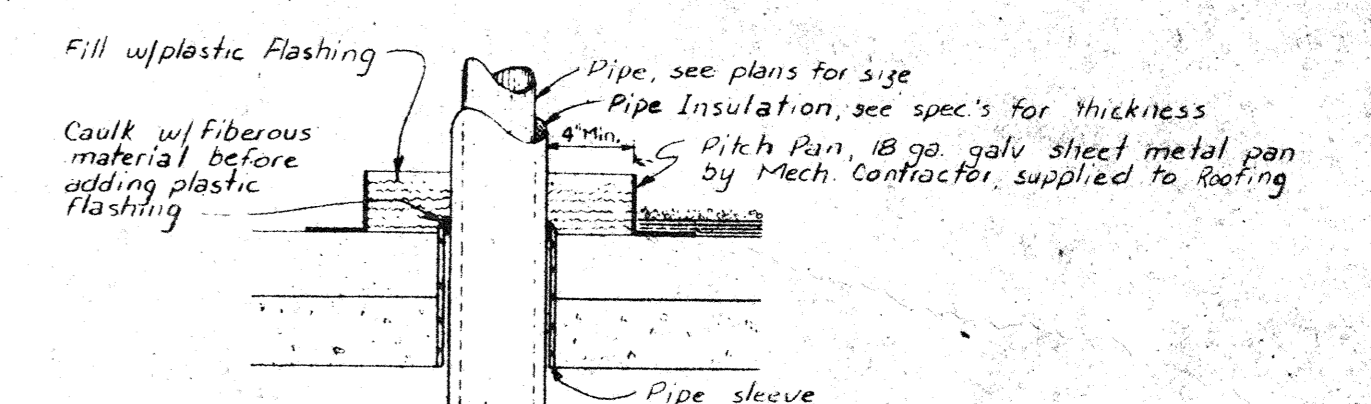
ATTENTION

Clear restrictions are set on how and where precast concrete members may be penetrated without damaging prestressed reinforcing strands. See the following:

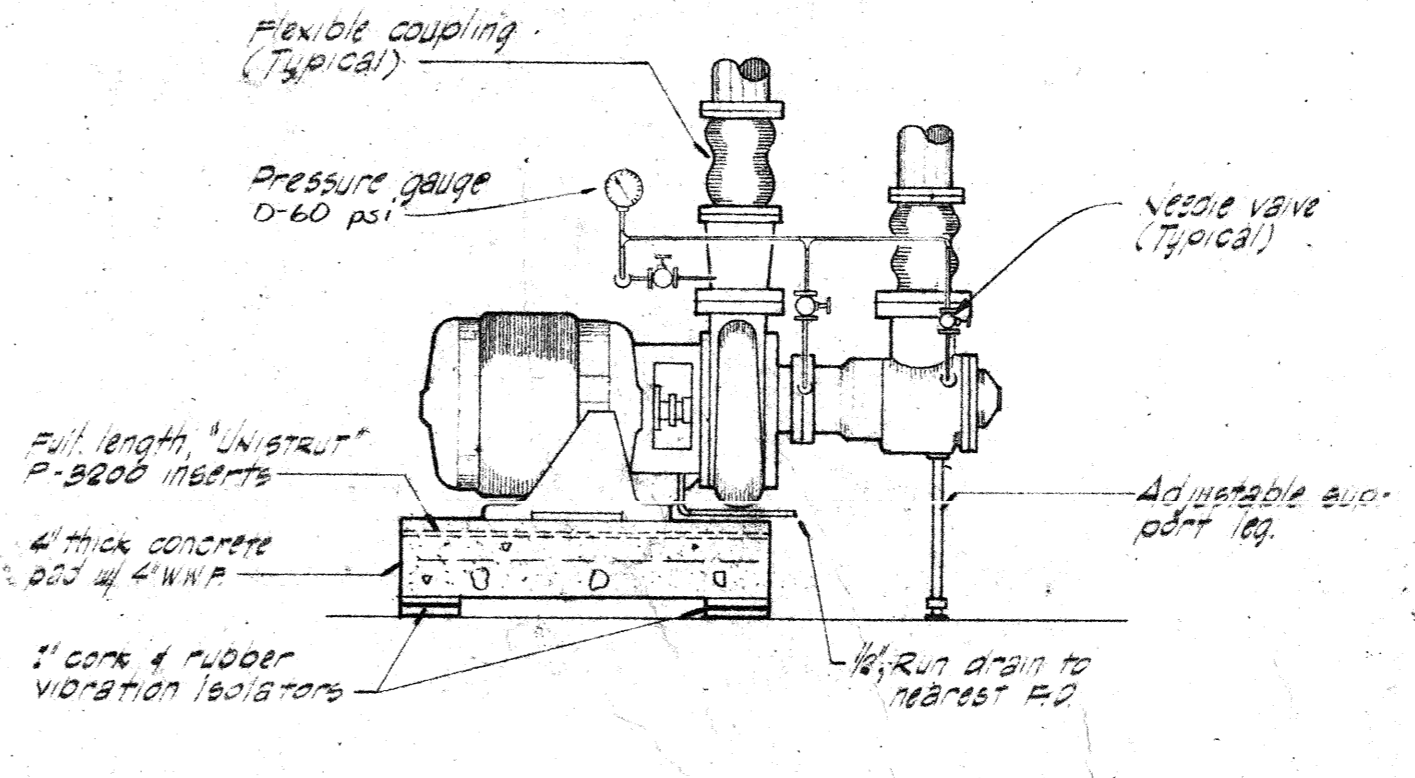
- Details 1 and 2, SH.A19
- Specifications "Bid package 'B' instructions to bidders"
- Precast concrete shop drawings and production drawings, by Prestressed Concrete of Colorado, Inc. 303-436-6301



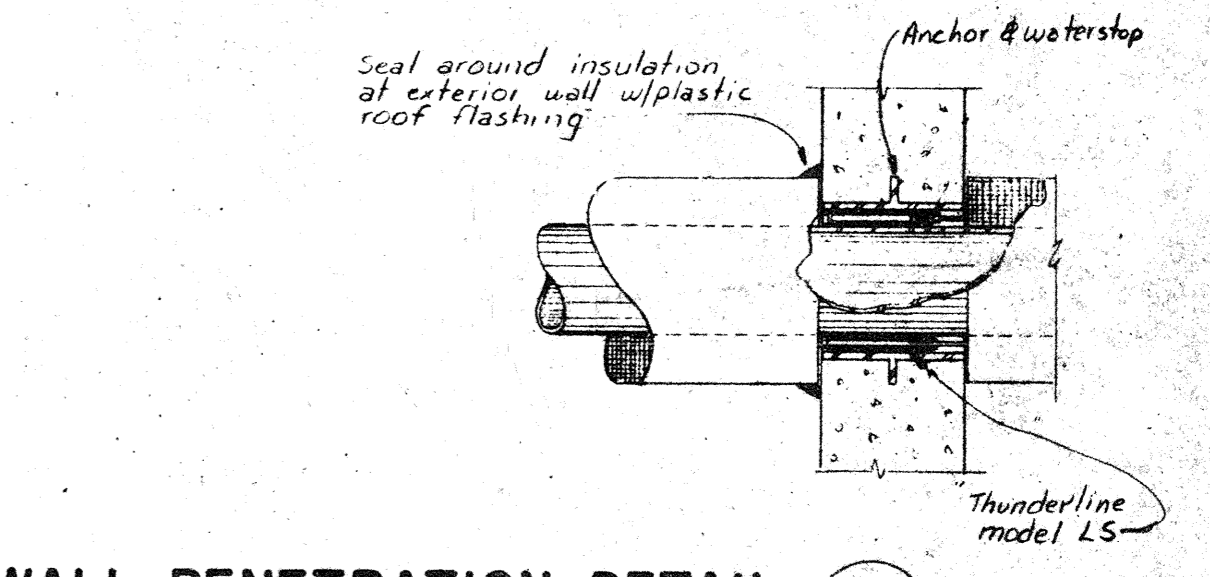
OUTSIDE AIR FAN DETAIL
SCALE: NONE
9
M-17



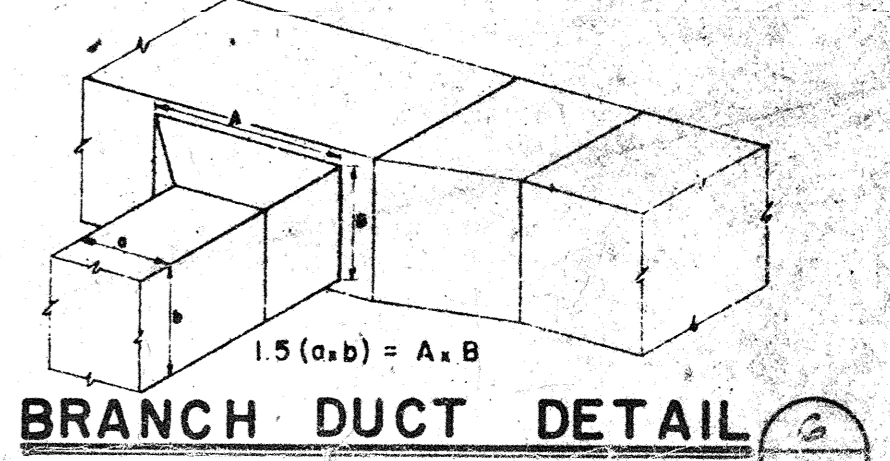
ROOF PIPE PENETRATION DETAIL
SCALE: NONE
4
M-17



PUMP AND SUPPORT DETAIL
SCALE: NONE
10
M-17



WALL PENETRATION DETAIL
SCALE: NONE
5
M-17



BRANCH DUCT DETAIL
SCALE: NONE
6
M-17

MORE COMBS BRANCH

Architects/Engineers/Planners
501 East 30th Ave.
Denver, Colorado 80202
Area: 303-733-3737

Phase two facilities:
ARAPAHOE COMMUNITY COLLEGE
5800 South Santa Fe Drive, Littleton, Colorado 80120

state project no. 2136

drawing title
DETAILS

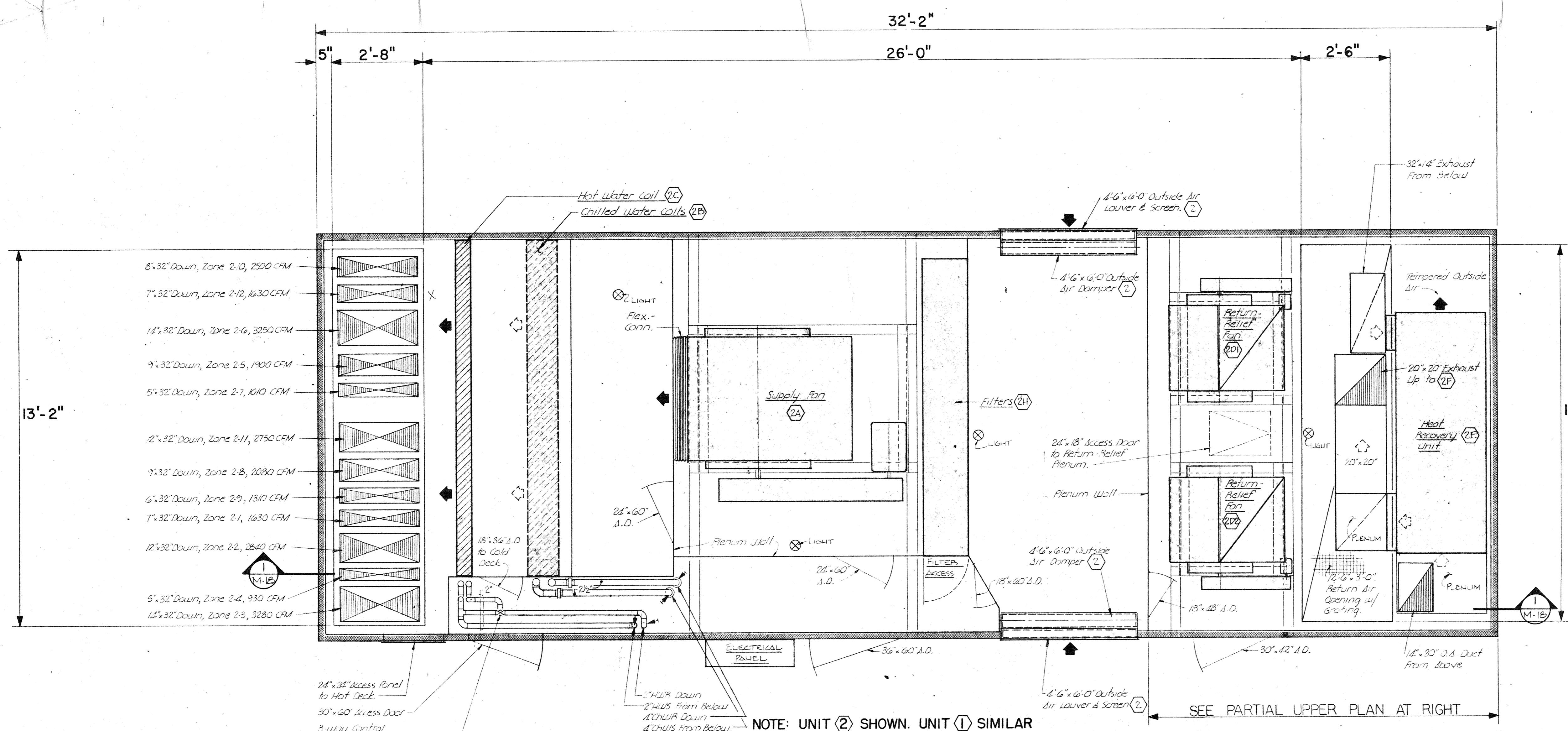
tracing key
A B C D E F

drawn by
checked by
revisions
M 17

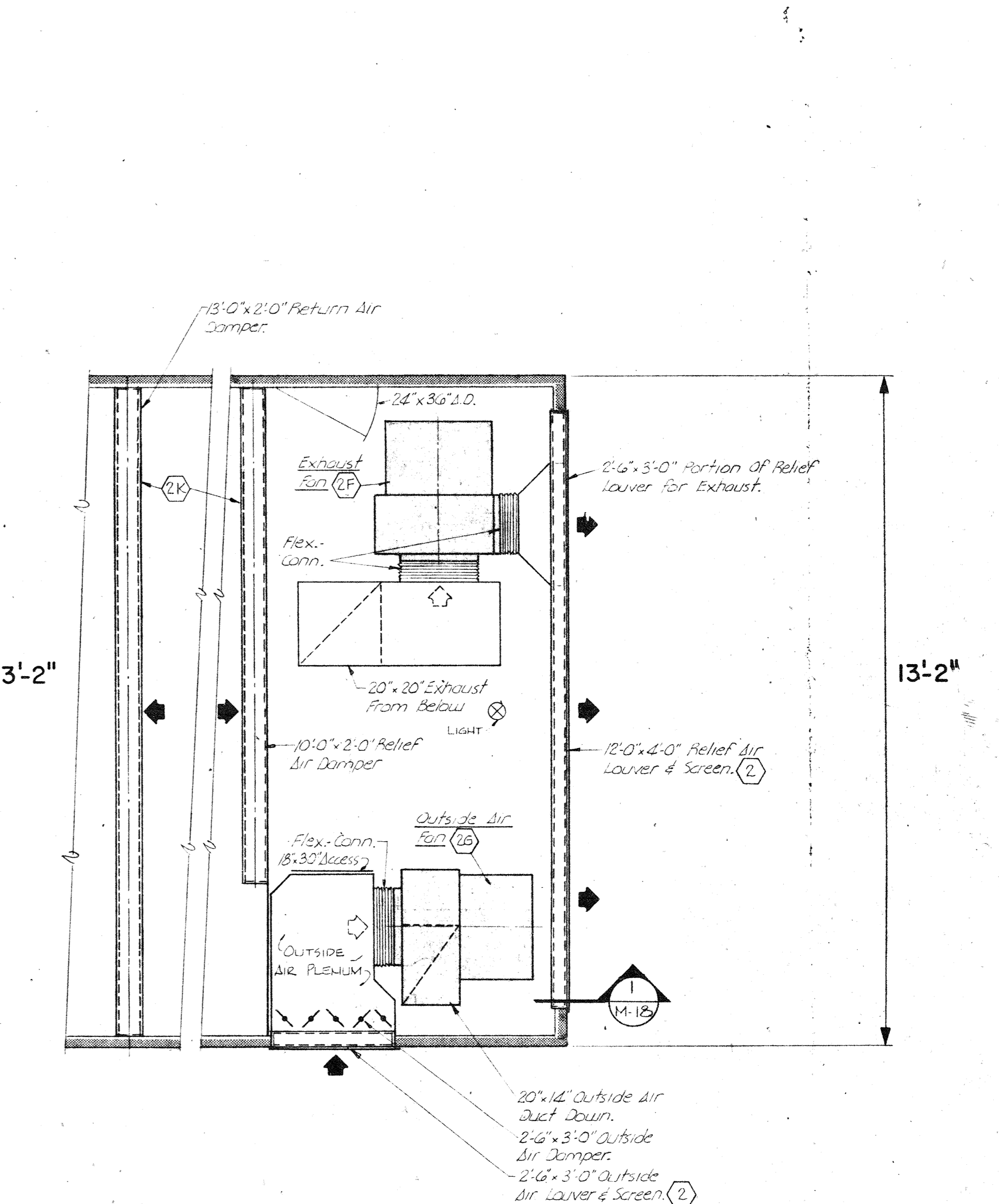
mob. db no. 7510
sheet of 17
M 17
sheet

tracing key

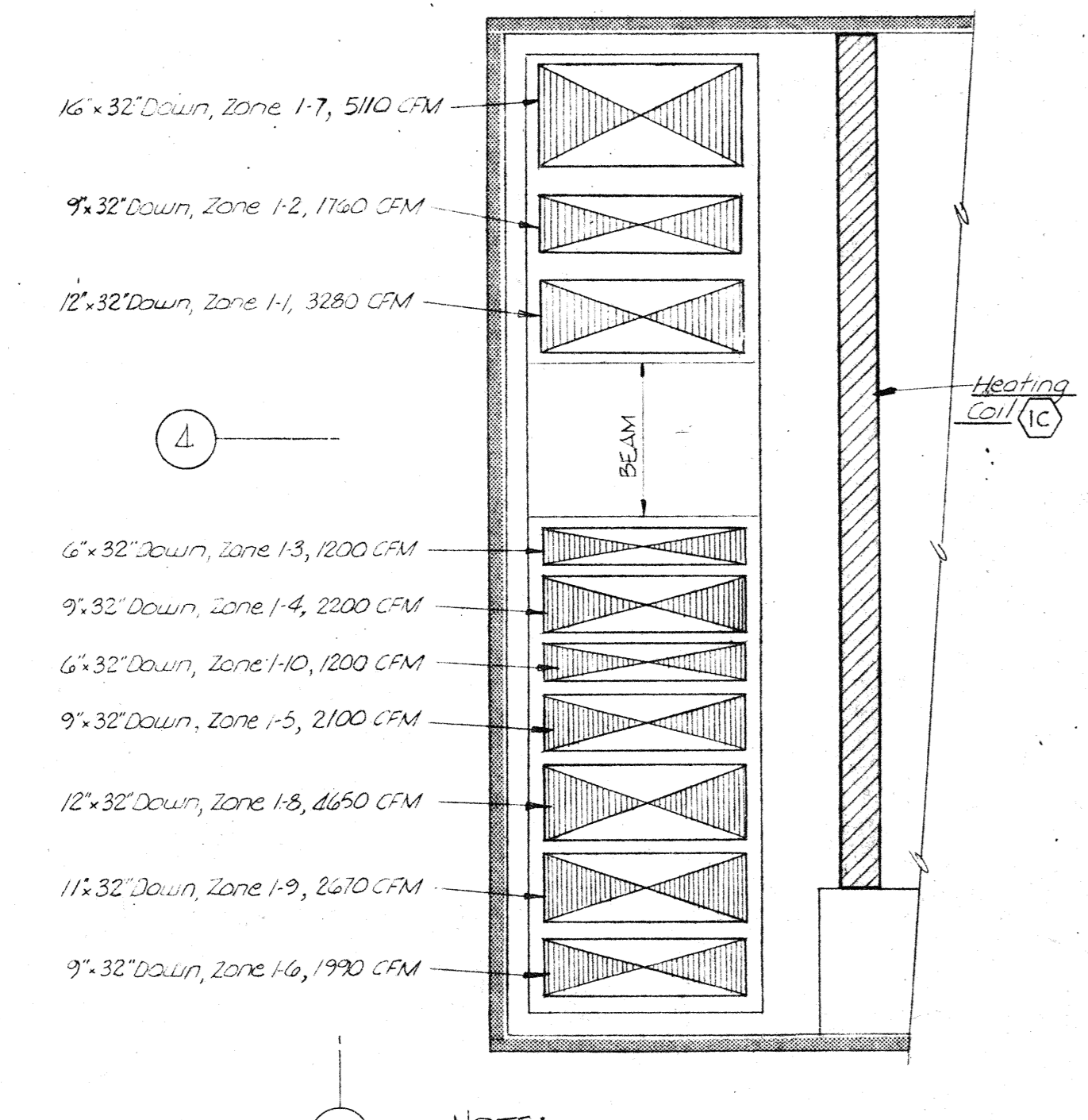
	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						



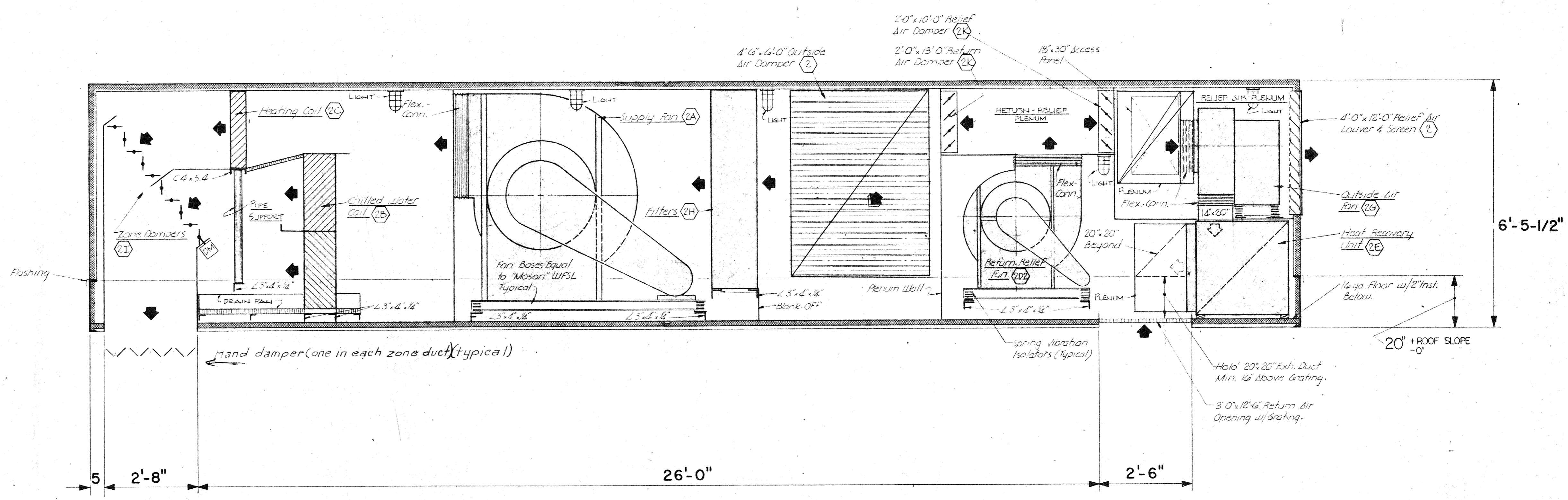
CENTRAL ROOF-MOUNTED PACKAGED UNITS ① & ②
 SCALE: 1/2"=1'-0"



PARTIAL UPPER PLAN
 SCALE: 1/2"=1'-0"



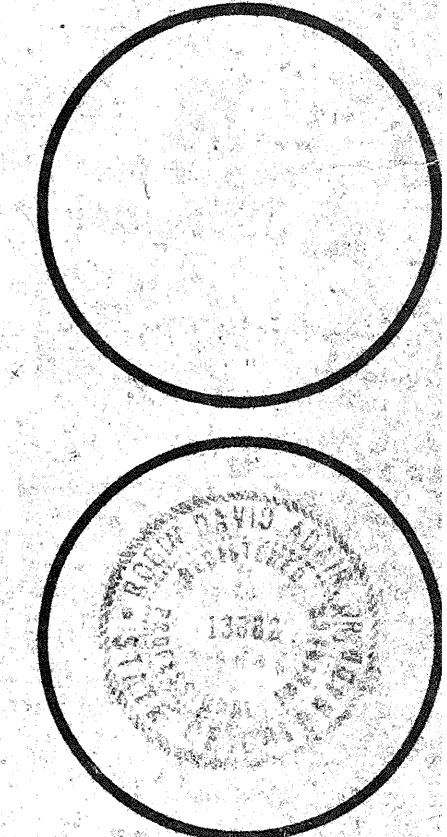
PARTIAL PLAN-UNIT ① ZONE LAYOUT
 SCALE: 1/2"=1'-0"



SECTION ①
 SCALE: 1/2"=1'-0"

NOTE:
 MINIMUM HEIGHT OF CURB BASE FOR ROOF-TOP UNITS ① ② ③ ④ ⑤ ⑥ ⑦ & ⑧ SHALL BE 20" AND TOP OF CURB BASE SHALL BE LEVEL WHEN INSTALLED ON ROOF.

- GENERAL NOTES:**
- Each individual chamber shall be sealed air-tight from all other chambers except at designated air entry and discharge points.
 - Each chamber shall have a floor of 16 gauge galvanized steel over two inch thick rigid insulation and shall be sealed watertight. The floor may slope with roof or be level.
 - Flash around all interior partitions at the floor to provide a watertight seal between chambers.
 - Top of nominal 20" high equipment base shall be level. (20" min. height)
 - Provide 3" x 3", 16-gauge galvanized steel angle around supply, exhaust, and return air ducts at floor penetrations and seal watertight. Attach to floor and duct with sheetmetal screws at 12" o.c.

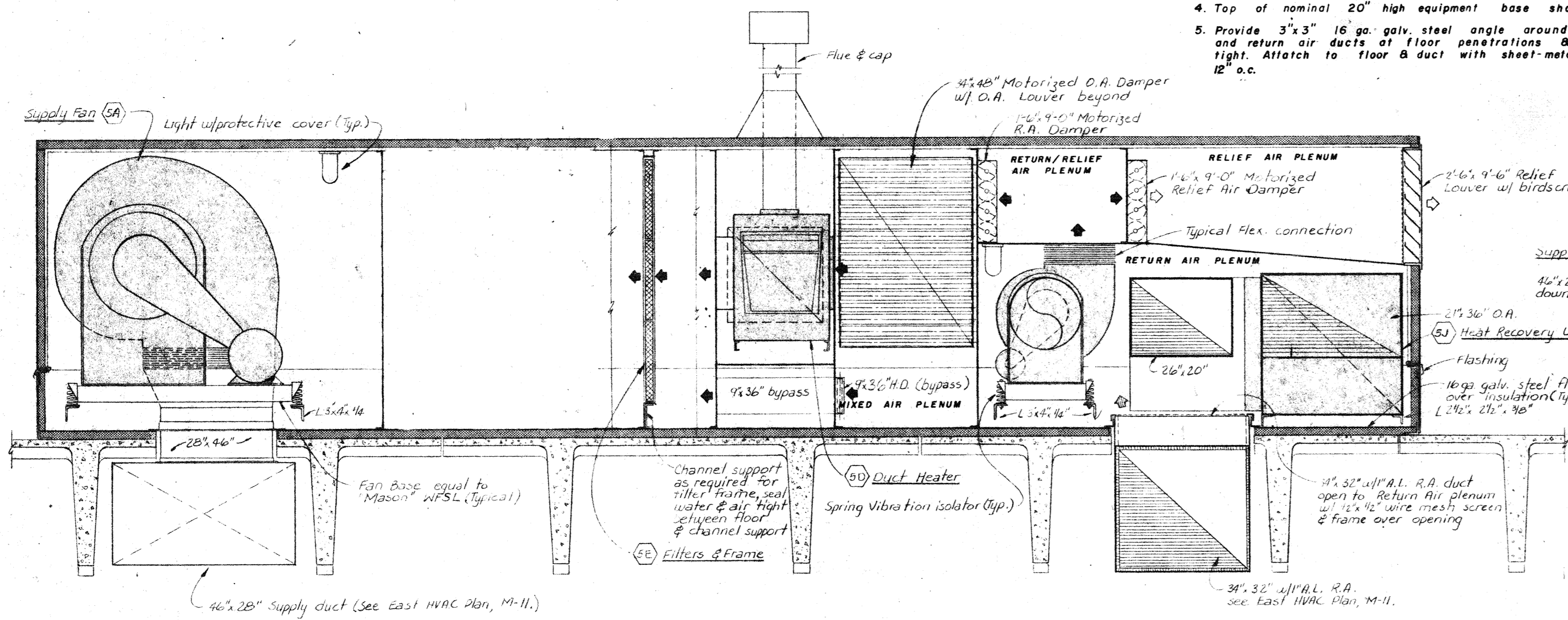


drawn by
 M.S.
checked by
 M.S.
 3 AUG. 1976
revisions
 1. 2/23/76
 2. 3/1/76

sheet of **18**
M of **B**
18 sheets

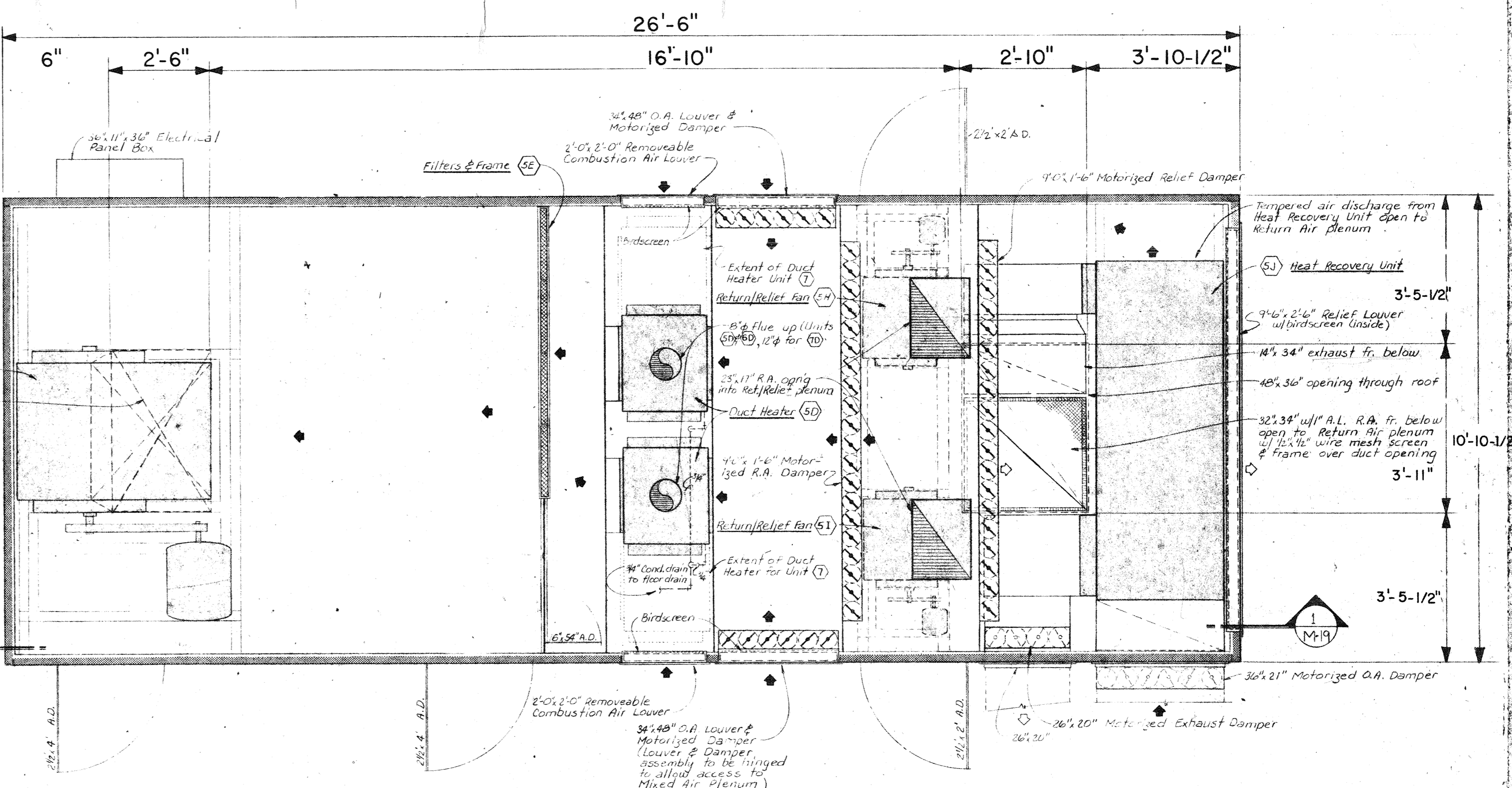
GENERAL NOTES:

- Each individual chamber shall be sealed air-tight from all other chambers except at designated air entry and discharge points.
- Each chamber shall have a floor of 16 ga. galv. steel over two inch thick rigid insulation and shall be sealed water-tight. The floor may slope with roof or be level.
- Flash around all interior partitions of the floor to provide a water-tight seal between chambers.
- Top of nominal 20" high equipment base shall be level.
- Provide 3" x 3" 16 ga. galv. steel angle around supply, exhaust, and return air ducts of floor penetrations & seal water-tight. Attach to floor & duct with sheet-metal screws at 12" o.c.

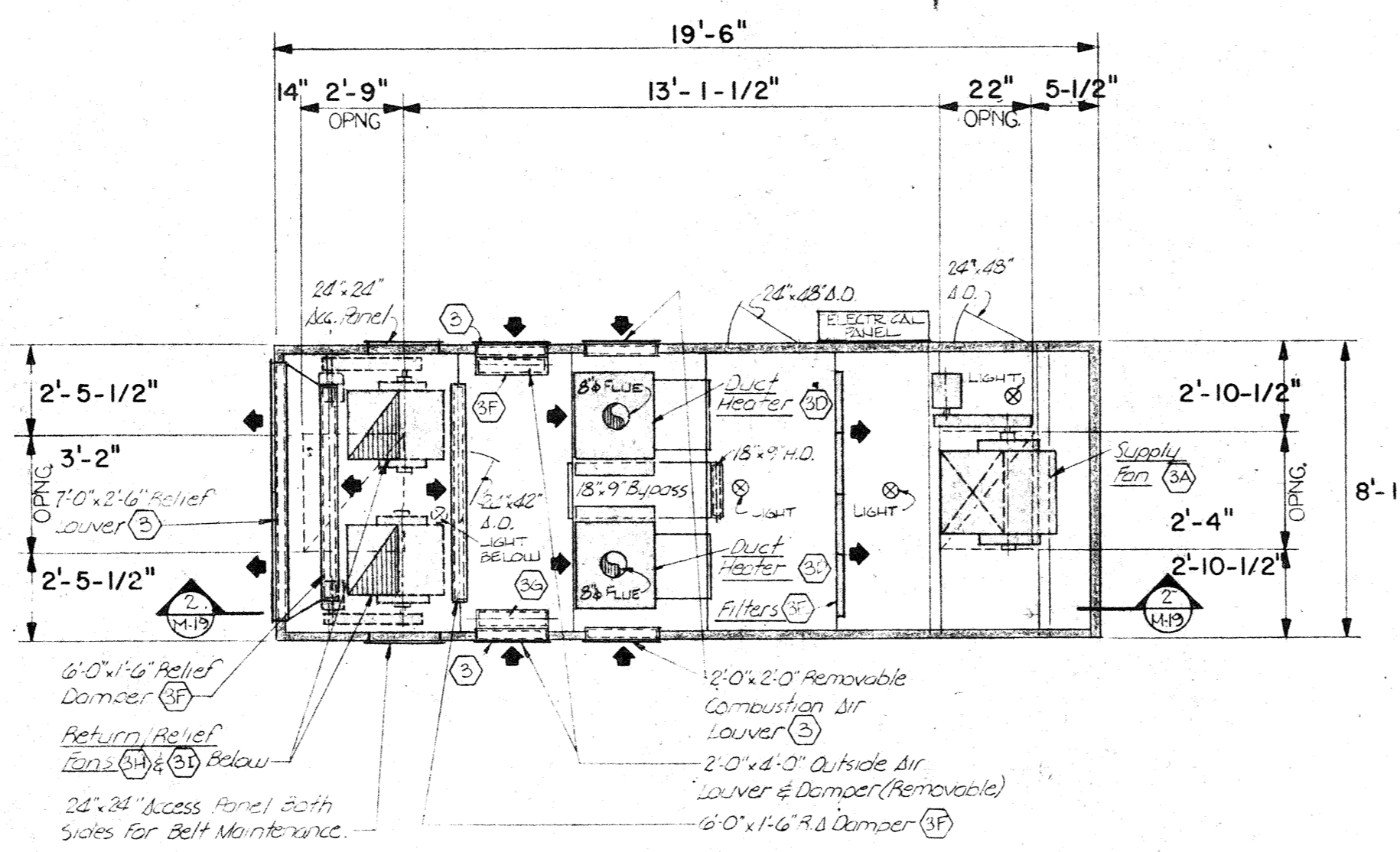


SECTION I
SCALE: 1/2" = 1'-0"

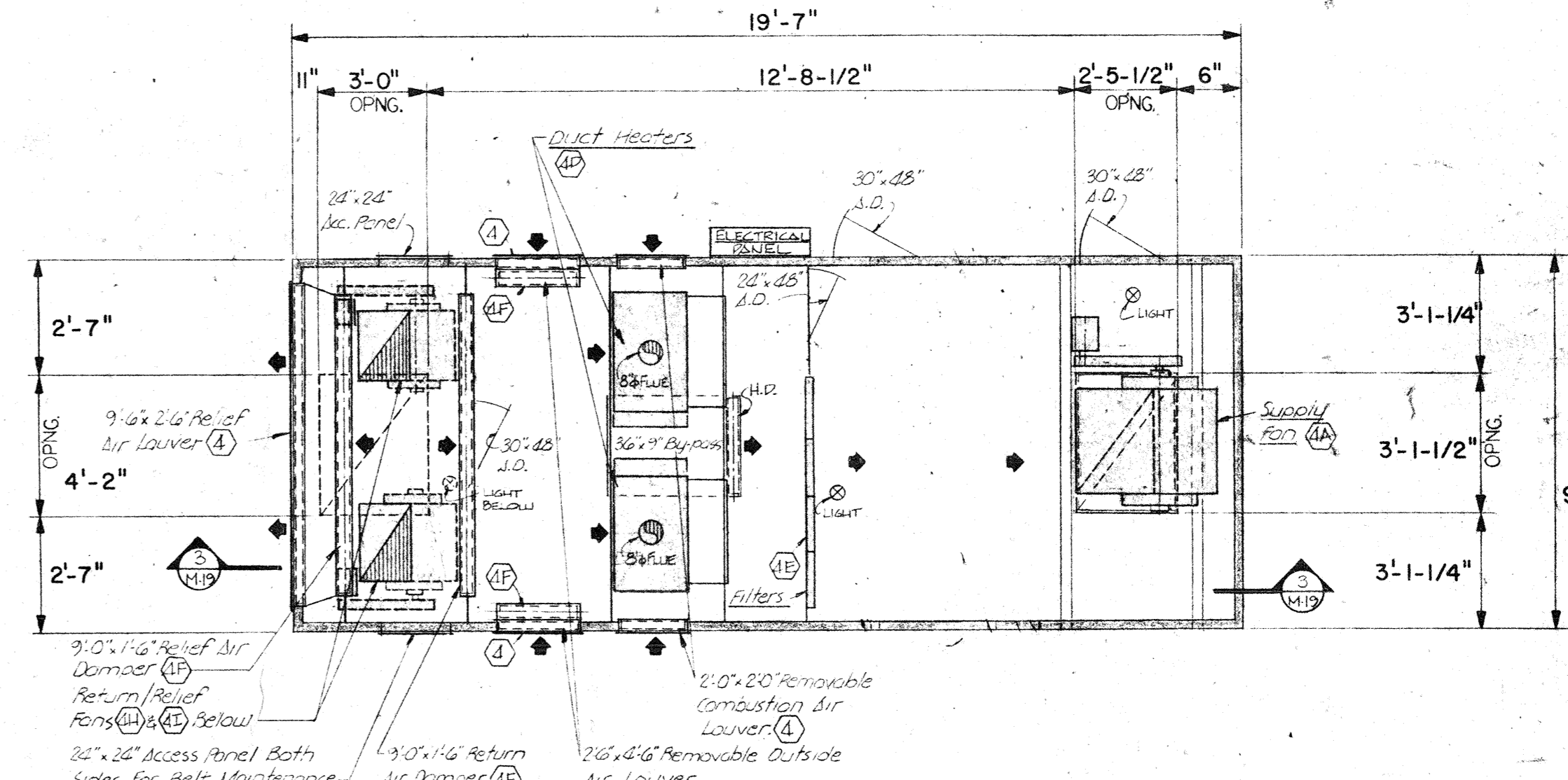
ATTENTION |||||
Clear restrictions are set on how and where precast concrete members may be penetrated without damaging prestressed reinforcing strands. See the following:
-Details 1 and 2, SH.A19
-Specifications "B" package "B" Instructions to bidders
-Precast concrete shop drawings and production drawings, by Prestressed Concrete of Colorado, Inc. 303-458-6301



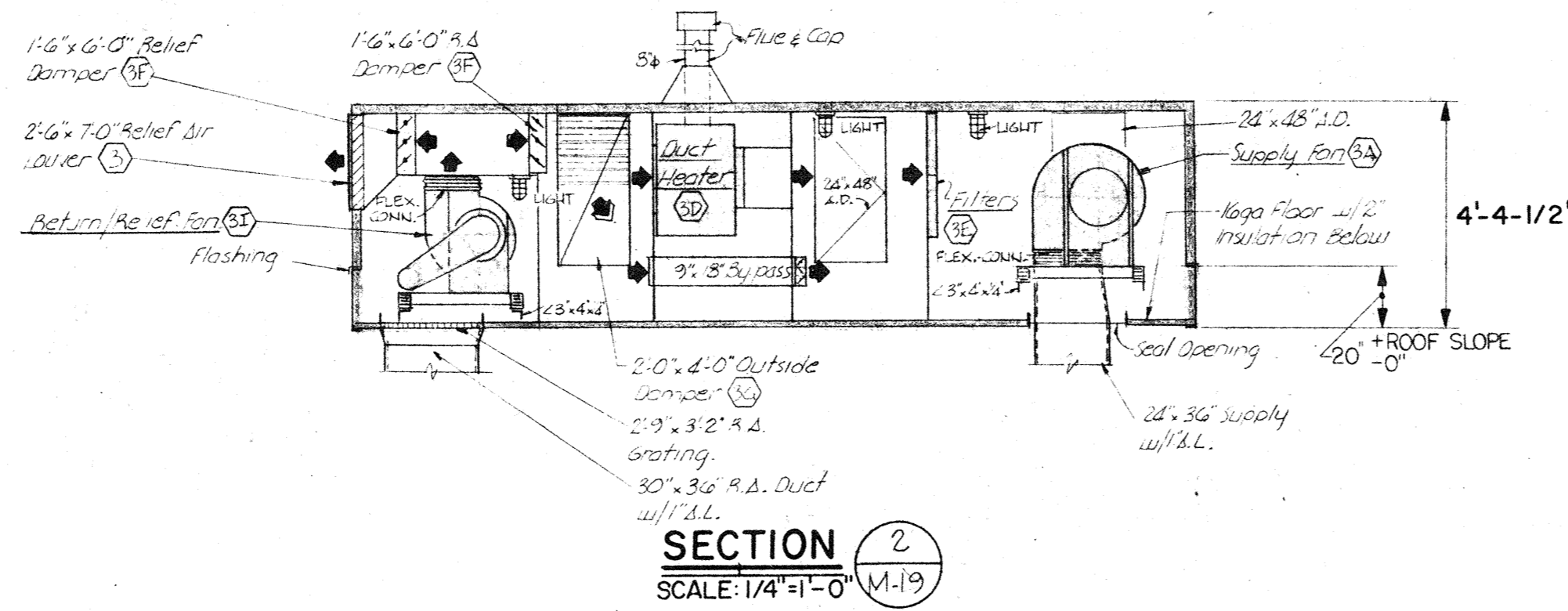
CENTRAL ROOF-MOUNTED PACKAGED UNIT (5) (UNITS 6 & 7 SIMILAR)
SCALE: 1/2" = 1'-0"



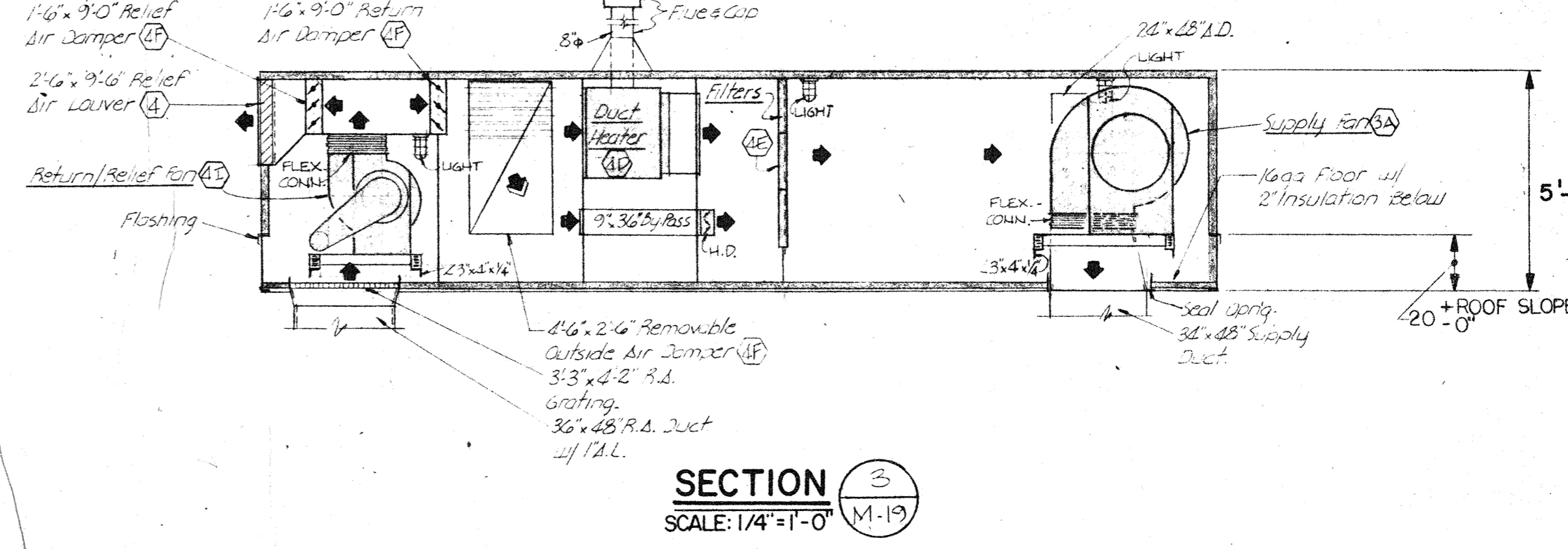
CENTRAL ROOF-MOUNTED PACKAGED UNIT (3)
SCALE: 1/4" = 1'-0"



CENTRAL ROOF-MOUNTED PACKAGED UNIT (4)
SCALE: 1/4" = 1'-0"



SECTION 2
SCALE: 1/4" = 1'-0"



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

NOTE:
Minimum height of curb bases for Roof Top Units (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) shall be 20" and the top of the curb bases shall be level when installed on roof.

MORE COMBS BURCH

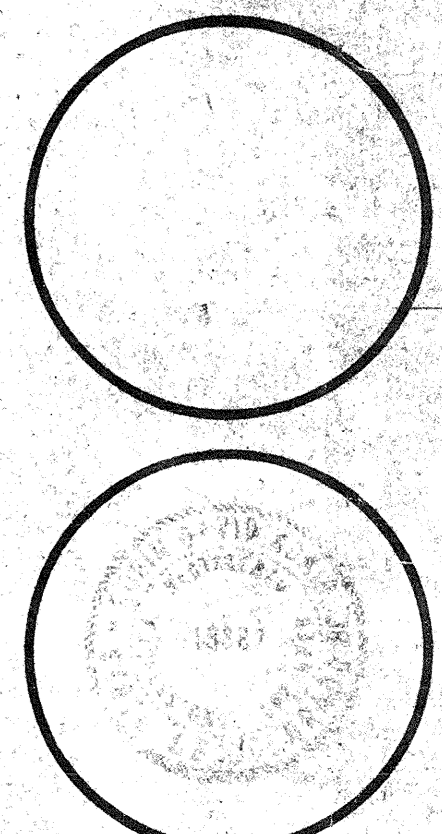
Architects/Engineers/Planners
5911 East Colfax Ave.
Denver, Colorado 80202
Tel: 303.733.3171
Fax: 303.733.3172

Phase two facilities:
ARAPAHOE COMMUNITY COLLEGE
5900 South Santa Fe Drive, Littleton, Colorado 80120
state project no. 2136

drawing title
ROOFTOP UNIT PLANS & SECTIONS

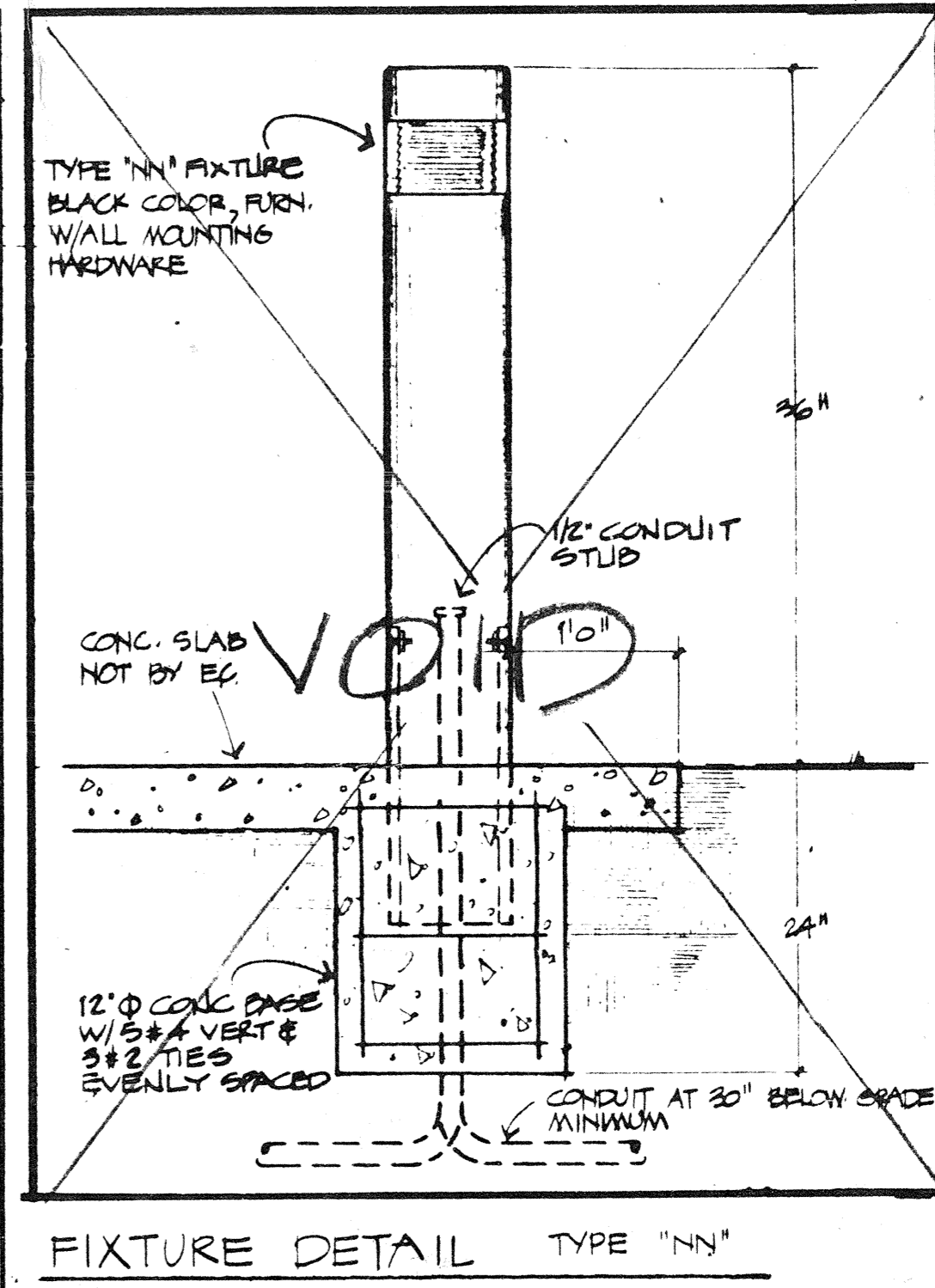
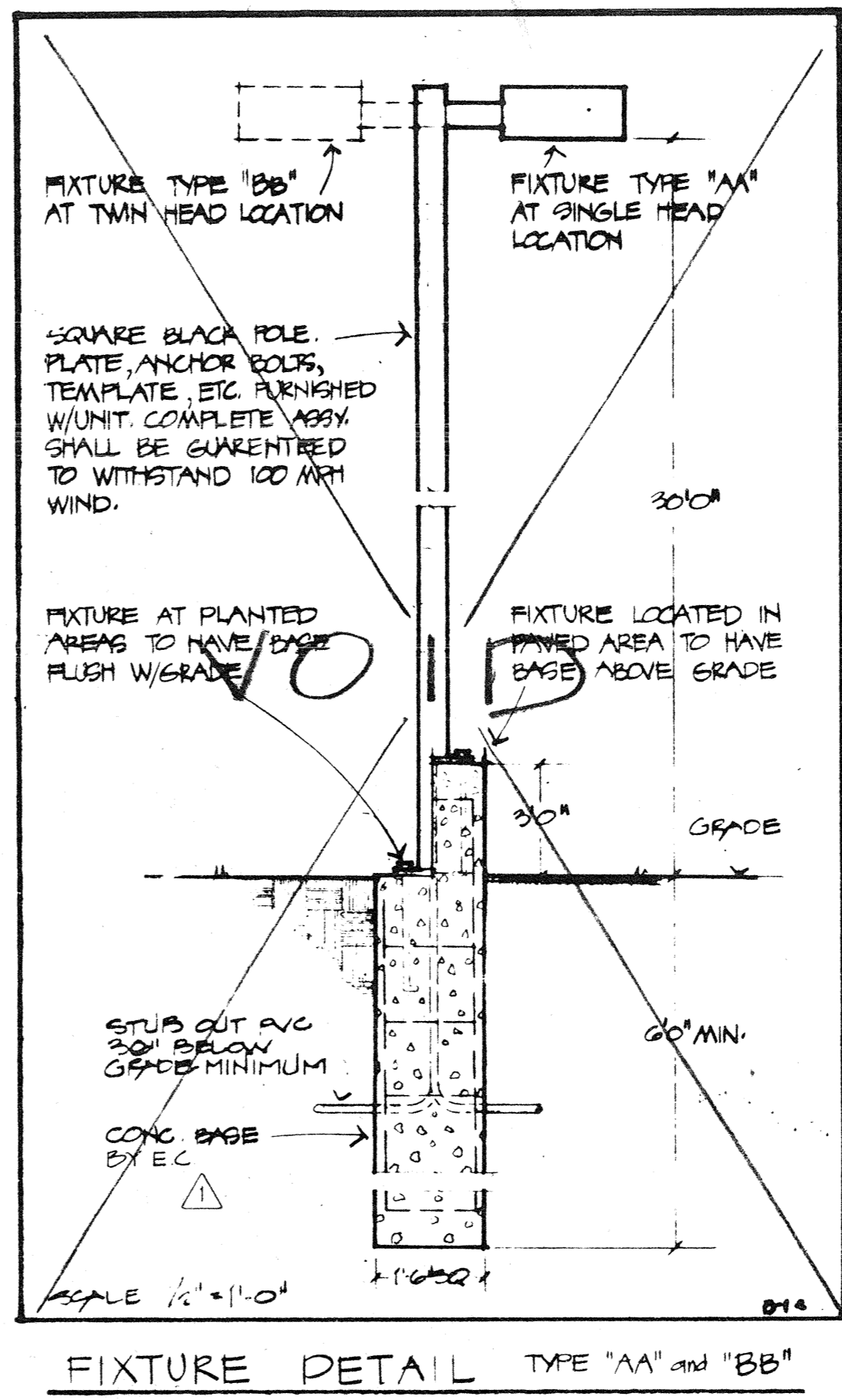
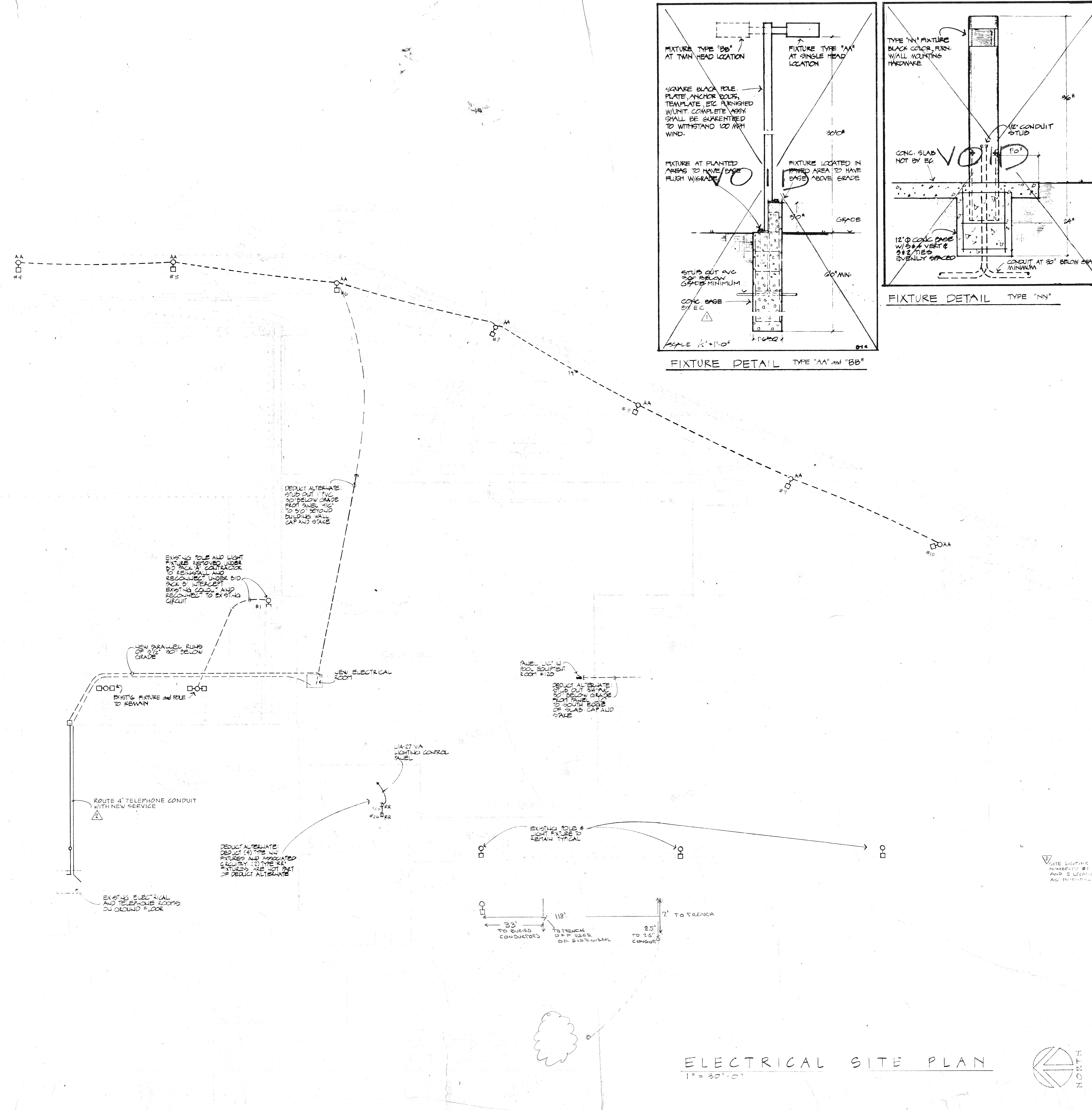
tracing key

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						



drawn by
RGS
checked by
RGS
date
2 Aug 1976
revisions
A AS SUBJ BWC
2-1-76

mcb job no
7510
sheet of
M 19
sheet



Legend	
Symbol	Description
[Symbol]	Lighting Panel
[Symbol]	Power Panel
[Symbol]	Main Distribution Center
[Symbol]	Telephone Terminal
[Symbol]	Circuit Run; underground; floor
[Symbol]	Circuit Run; in walls and ceilings
[Symbol]	Circuit Run; exposed
[Symbol]	Name Run; arrows are no. of circuits
[Symbol]	Calling Outlet; letter gives fix. type
[Symbol]	Wall Outlet; letter gives fix. type
[Symbol]	Incandescent Fixture; recessed
[Symbol]	Fluorescent Fixture; surface
[Symbol]	Fluorescent Fixture; recessed
[Symbol]	Fluorescent Strilight
[Symbol]	Spotlight
[Symbol]	Porcelain Lampholder; Bryant 5228 with 150A lamp
[Symbol]	Exit Light
[Symbol]	Duplex Receptacle; wall
[Symbol]	Duplex Receptacle; weatherproof
[Symbol]	Duplex Receptacle; above counter
[Symbol]	Duplex Receptacle; one-half switched
[Symbol]	Double Duplex Receptacle; wall
[Symbol]	Receptacle Outlet; floor
[Symbol]	Junction Box; ceiling
[Symbol]	Junction Box; wall
[Symbol]	Clock Outlet
[Symbol]	Sign Outlet
[Symbol]	Telephone Outlet; wall
[Symbol]	Telephone Outlet; floor
[Symbol]	House Phone
[Symbol]	Pay Telephone
[Symbol]	T.V. Outlet
[Symbol]	P. A. Speaker Outlet
[Symbol]	Intercom Outlet
[Symbol]	Volume Control
[Symbol]	Single Pole Switch; subscript indicates switching
[Symbol]	Double Pole Switch
[Symbol]	Three Way Switch
[Symbol]	Thermal Overload Switch
[Symbol]	Switch & Pilot Light
[Symbol]	Key Operated Switch
[Symbol]	Low Voltage Switch
[Symbol]	Combination Switch & Receptacle Outlet
[Symbol]	Time Switch; type as noted
[Symbol]	Pushbutton Station
[Symbol]	Amplifier
[Symbol]	Wiremold; type as noted
[Symbol]	Motor
[Symbol]	Motor Outlet & Connection
[Symbol]	Fused Safety Switch
[Symbol]	Magnetic Starter or Contactor
[Symbol]	Fused Disconnect Sw.; diagrammatic
[Symbol]	Circuit Breaker; diagrammatic
[Symbol]	Electrical Service Entrance
[Symbol]	Telephone Service Entrance
[Symbol]	Indicates Detail Notes
[Symbol]	Indicates Mechanical Equipment
[Symbol]	Indicates Kitchen Equipment
[Symbol]	Dimmer, as noted
[Symbol]	Thermostat
[Symbol]	Conduit up
[Symbol]	Conduit down
[Symbol]	Hood Outlet and Connection
[Symbol]	Disposer
[Symbol]	Special Purpose Outlet; noted
[Symbol]	Items shaded indicate being an emergency circuit
[Symbol]	Low Voltage Control Wiring

MORE COMBES BURCH
 Architects/Engineers/Planners

phase two facilities:
ARAPAHOE COMMUNITY COLLEGE
 5900 South Santa Fe Drive, Littleton, Colorado 80120

state project no. 2136

drawing title
 ELECTRICAL
 SITE
 PLAN

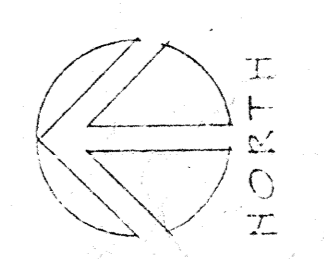
	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						

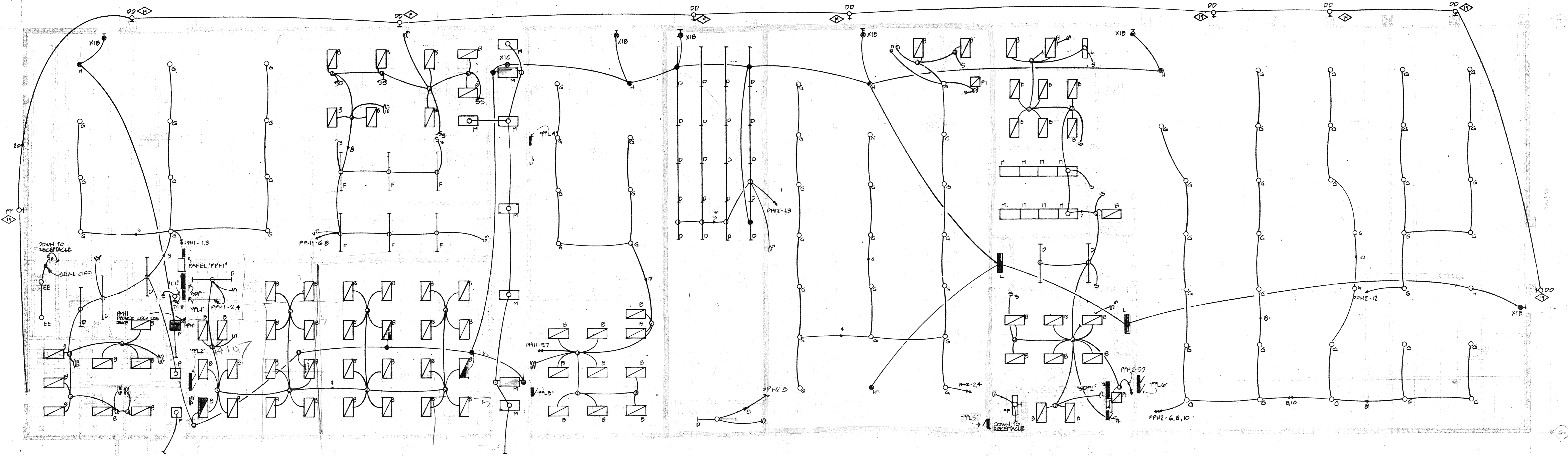
DATE LIGHTING FIXTURES NUMBERED BY TYPICAL #20 AND 2 LOCATIONS ADDED #27, #75 AS PERMITTED. (SEE P. 1)

DRAWN BY: V. WILLY
 CHECKED BY: T. PLAMPIN, P.E.
 DATE: ISSUE ONE: AUGUST 5, 1976
 REVISIONS:
 APPENDIX 1, 2, 3, 4
 ISSUE 2

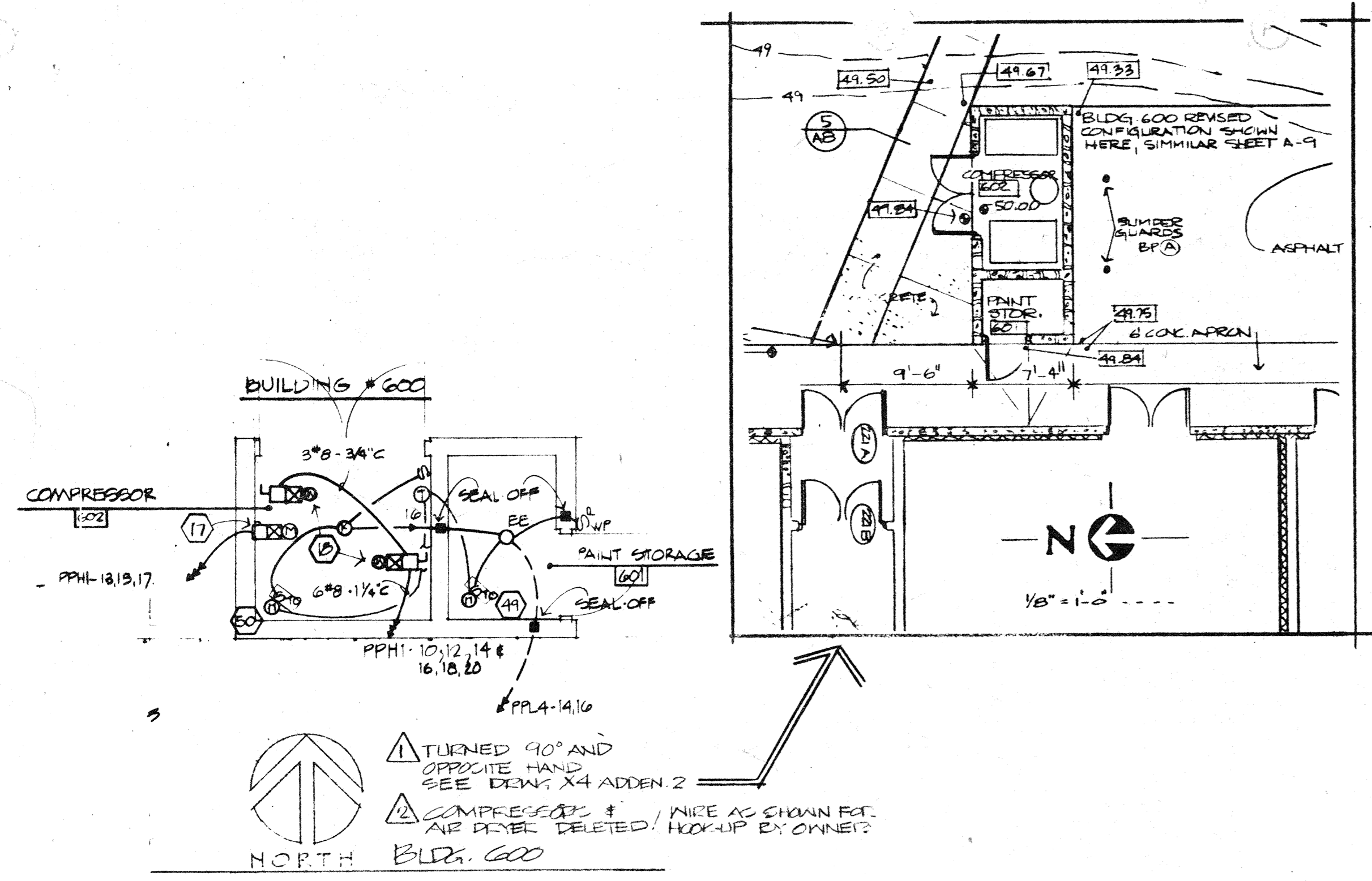
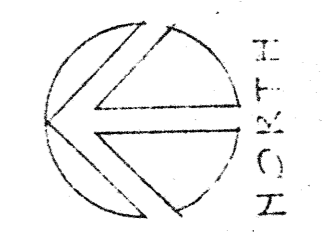
mcb job no. 7510
 sheet 1 of 1
 63 sheets

ELECTRICAL SITE PLAN
 1" = 30'-0"

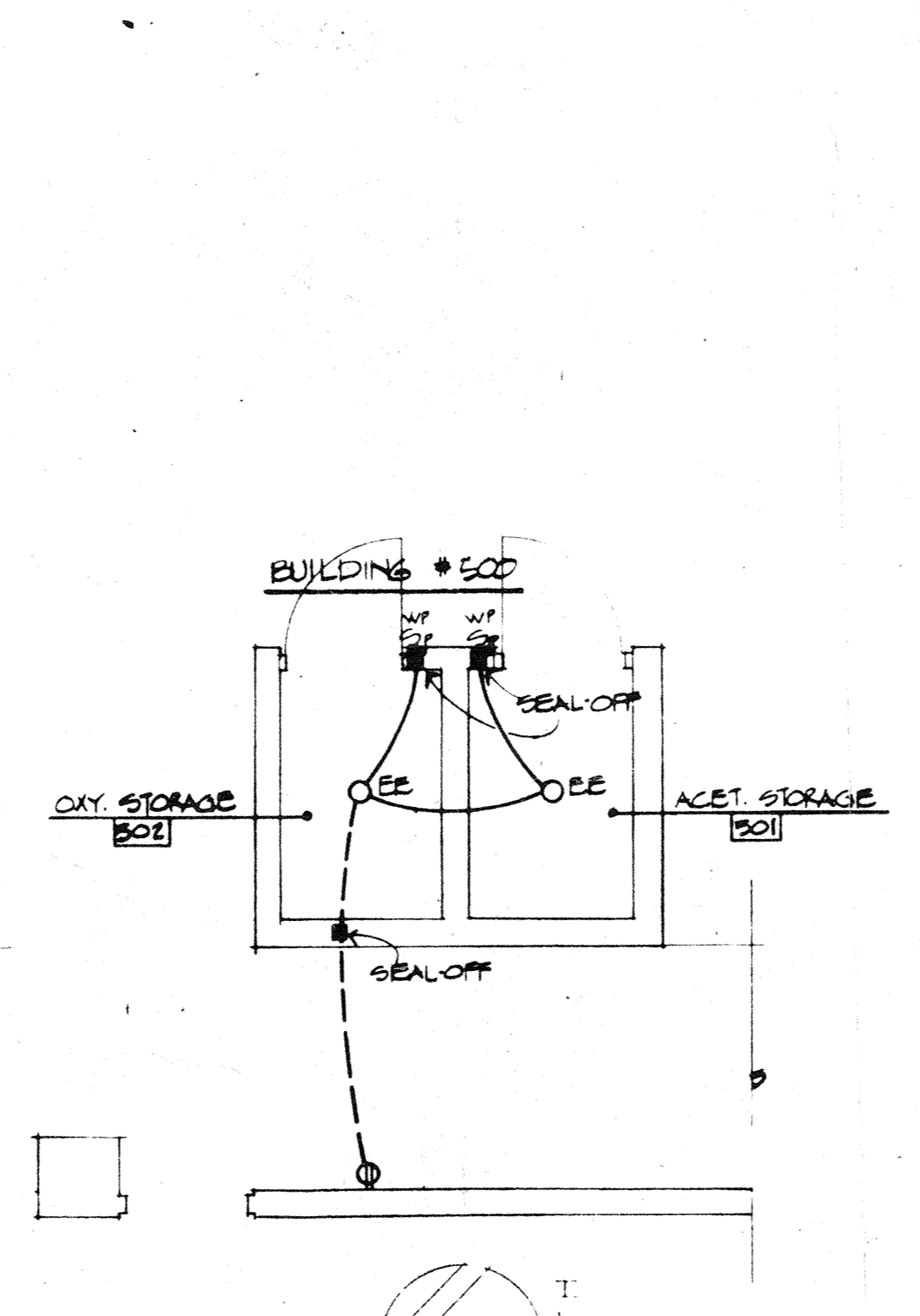




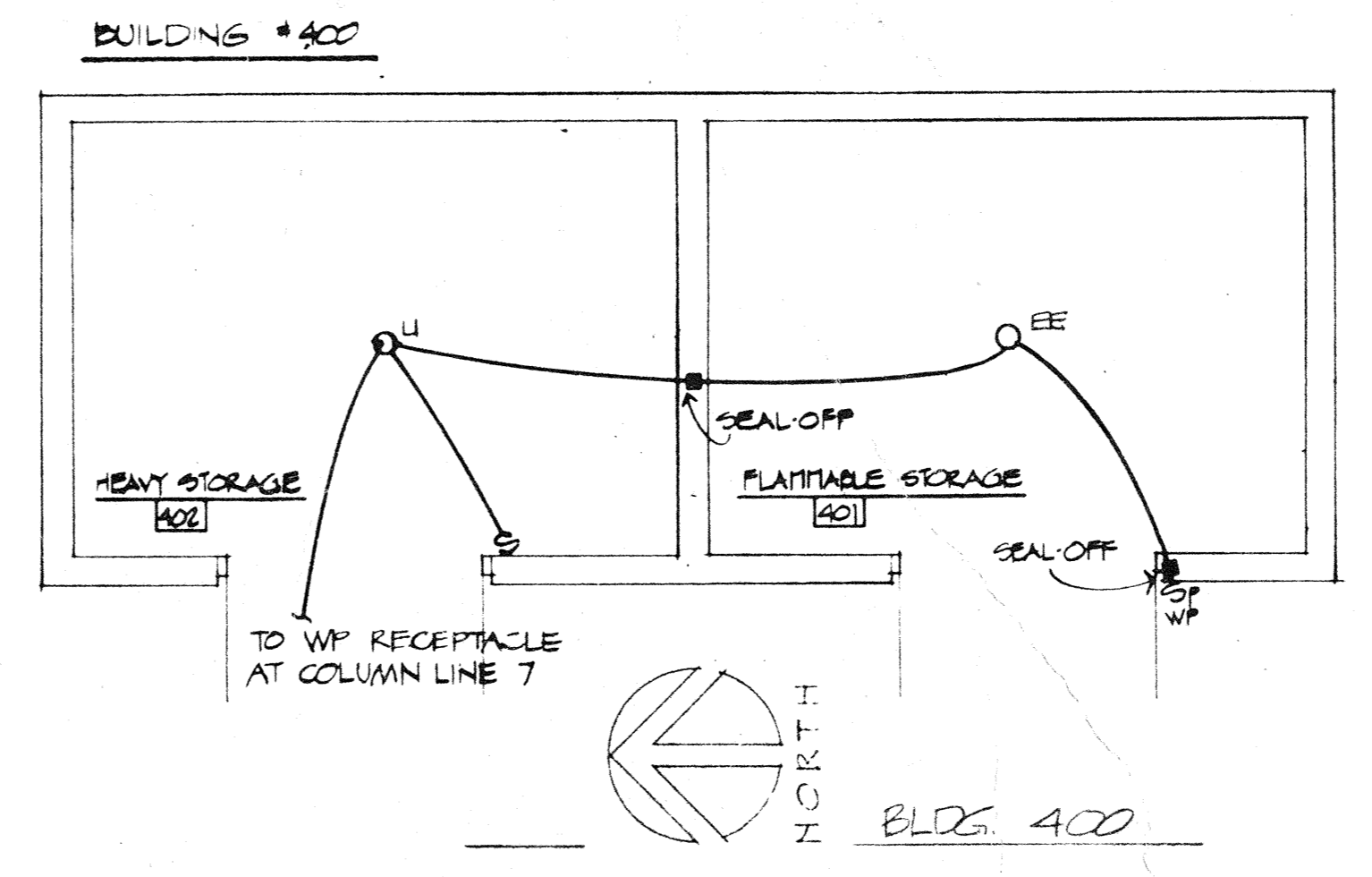
EAST LIGHTING PLAN
1/8" = 1'-0"



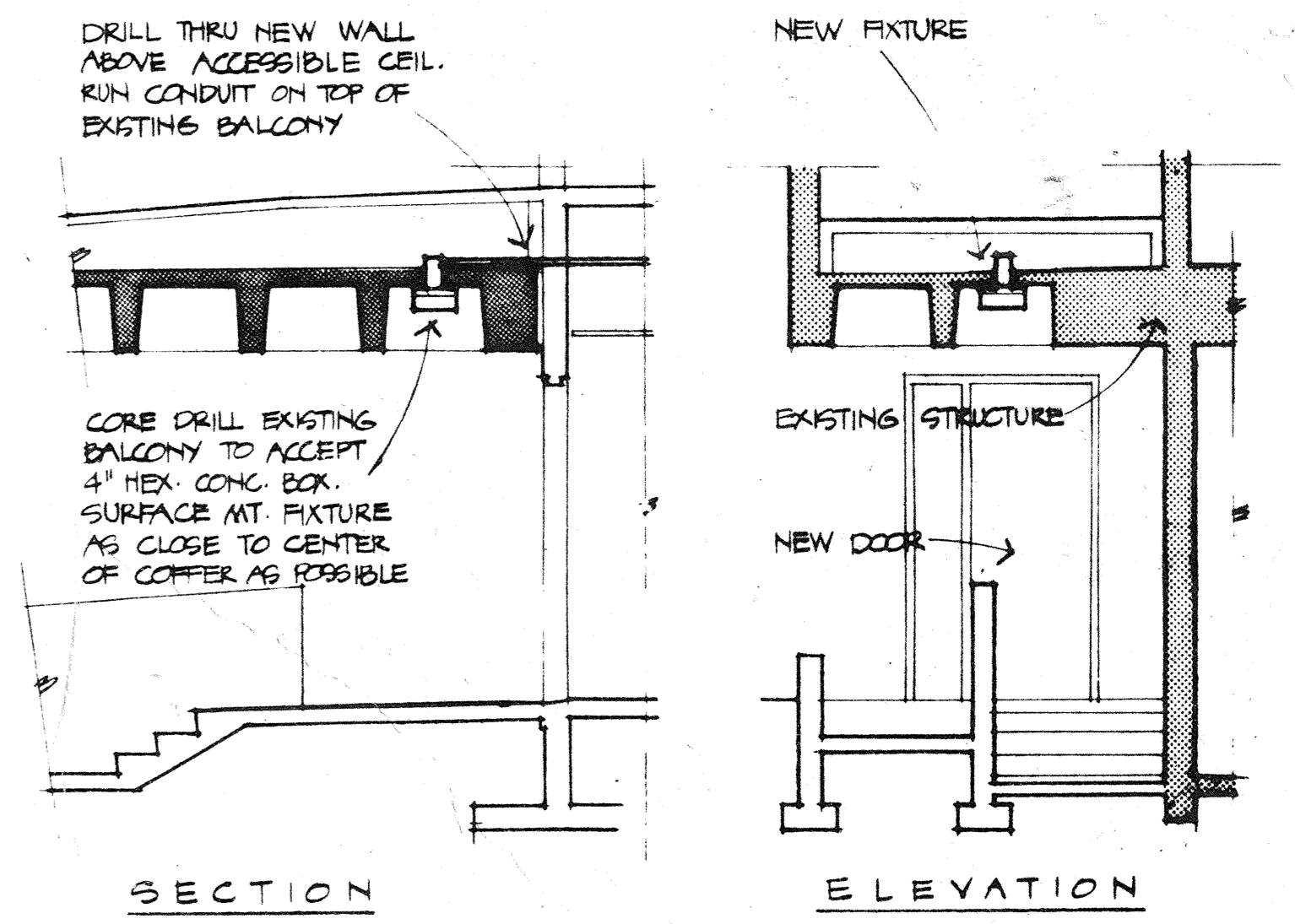
PARTIAL ELECTRICAL FLOOR PLANS
1/4" = 1'-0"



PARTIAL ELECTRICAL FLOOR PLAN
1/4" = 1'-0"



PARTIAL ELECTRICAL FLOOR PLAN
1/4" = 1'-0"



MOUNTING DETAIL
LIGHT FIXTURE AT RAMP and STAIR # 6

tracing key	
	ABCDEF
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	

STATE REG. 2136

drawing title
EAST LIGHTING PLAN



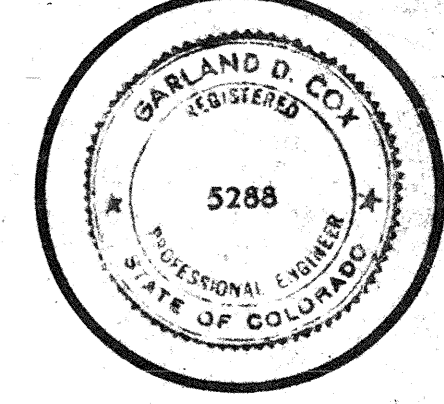
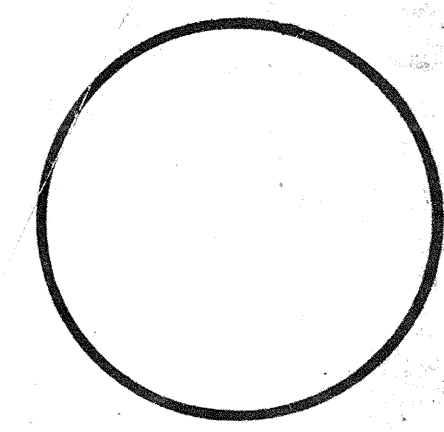
Drawn by
Checked by
Date
Revisions

ISSUE
#2 10/1/76
#3 12/1/78

mcg ab no
7510
sheet
E 2

tracing key

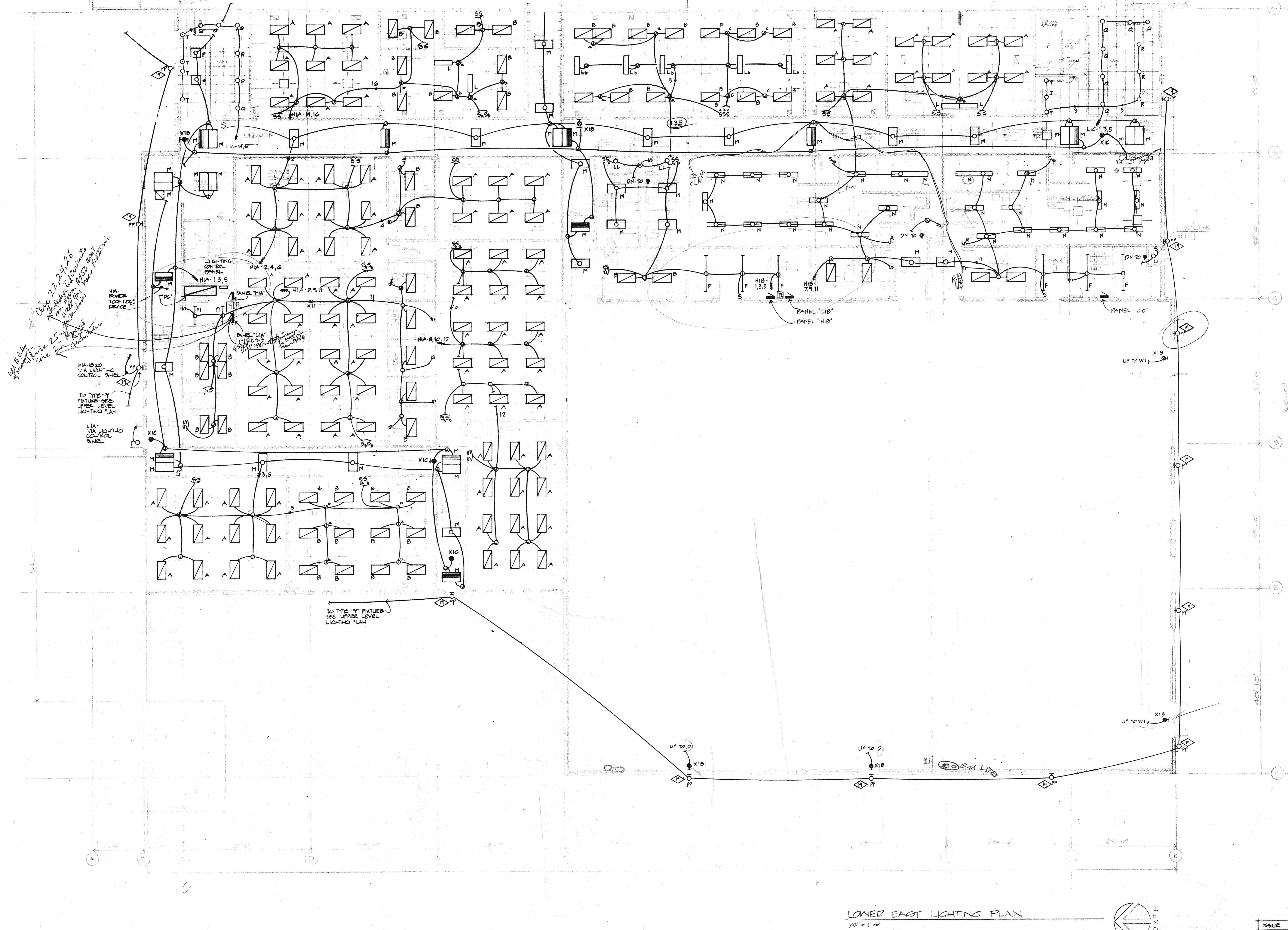
	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						
68						
69						
70						
71						
72						
73						
74						
75						
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
86						
87						
88						
89						
90						
91						
92						
93						
94						
95						
96						
97						
98						
99						
100						



drawn by
V. MILLET
checked by
P. WILKINSON
date issue No. 1
AUGUST 5, 1976
revisions
A. ADDENDA 1, 2, 3, 4
B. ISSUE 2

issue
#2 10/7/76
#3 2/7/78

mcg job no.
7510
sheet
63
of
63
sheets



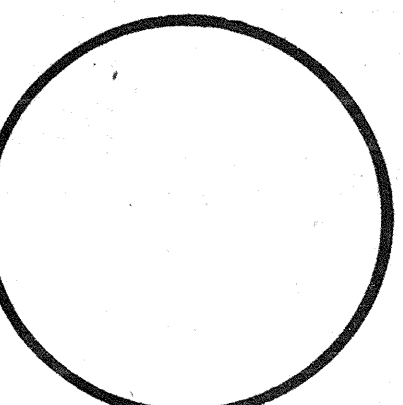
LOWER EAST LIGHTING PLAN
1/8" = 1'-0"

EXTENSIVE CHANGES

Check 22, 24, 26
for additional changes
to the lighting plan
for the Phase 2
of the building
from the
original
drawing
to the
lighting
control
panel
HIA-1000
via light
control
panel
TO TYPE 'F' FIXTURES
SEE UPPER LEVEL
LIGHTING PLAN
LIA - LIGHTING
CONTROL
PANEL

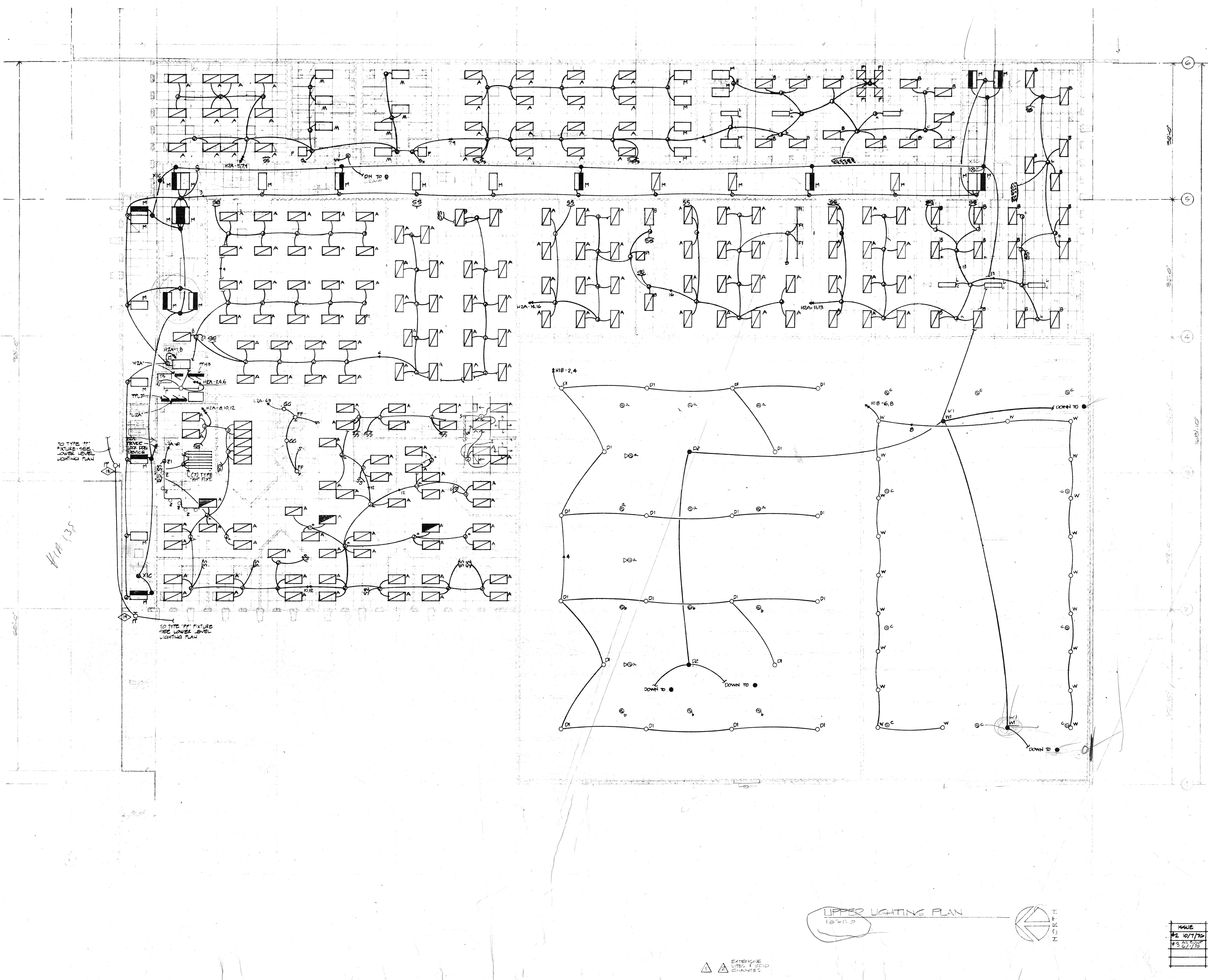
tracing key

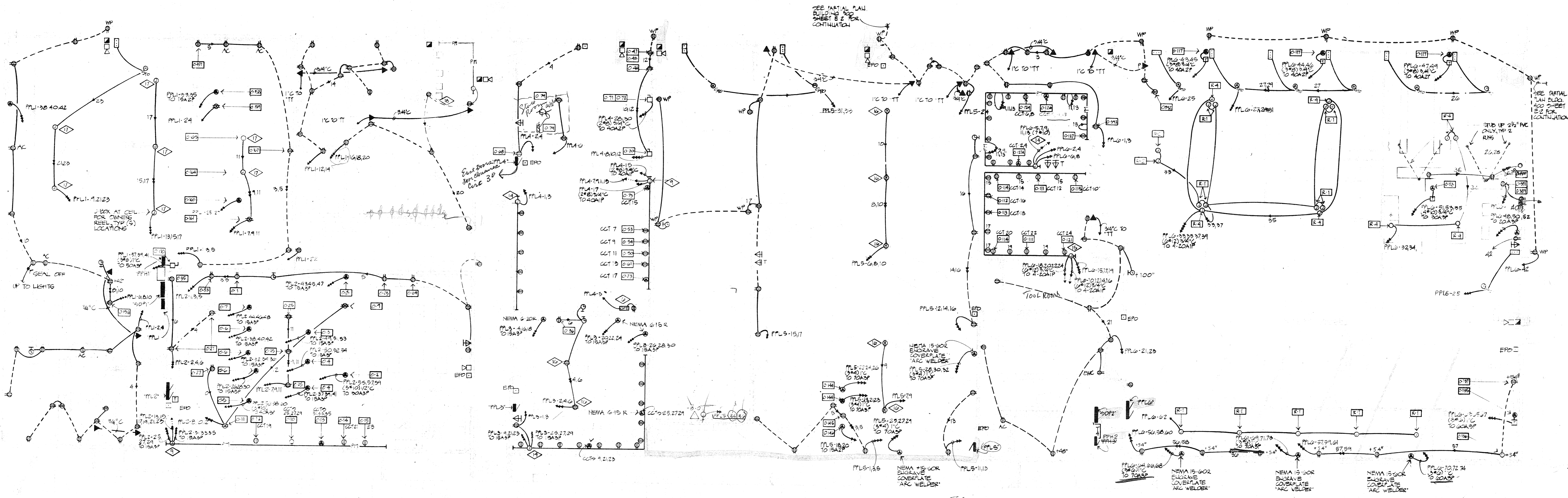
	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						



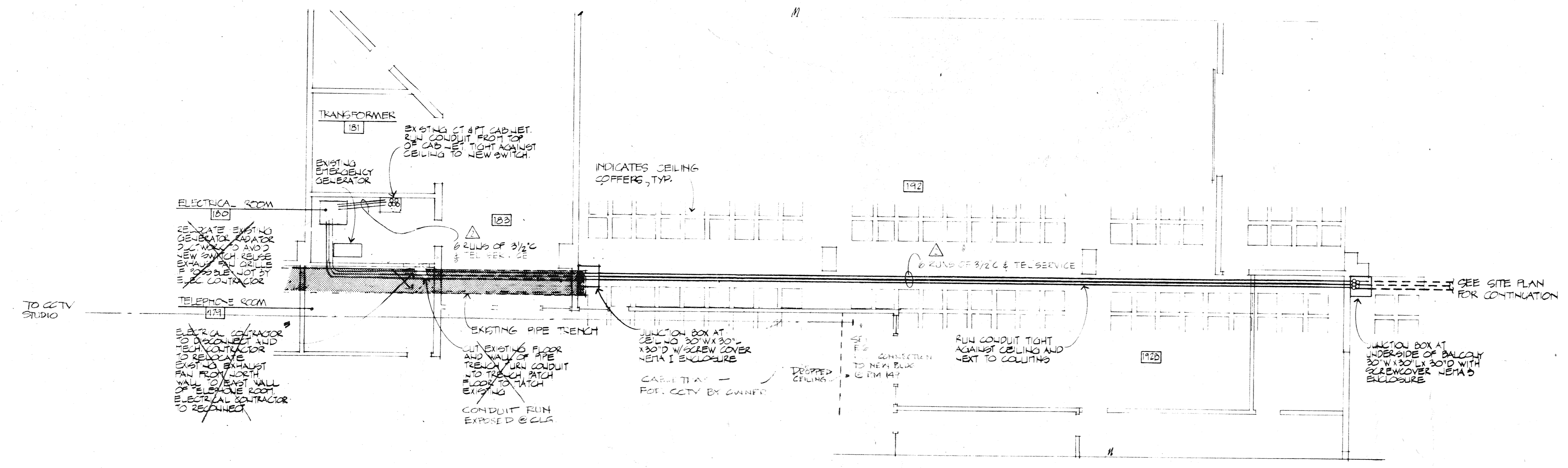
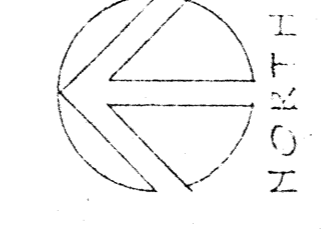
drawn by	REGAN F. RAMAN
checked by	PKLIGHT
date issue no 1	AUGUST 5, 1976
revisions	
ADDENDA	1, 2, 3, 4
FIGURE	2

mcb job no.	7510
sheet	of
4	8
sheet	83





LOWER EAST POWER PLAN
1/8" = 1'-0"



PARTIAL FLOOR PLAN GARDEN LEVEL EXISTING BLDG
1/8" = 1'-0"



ATTENTION !!!!!!!!!!!!!!!
Clear restrictions are set on how and where precast concrete members may be penetrated without damaging prestressed reinforcing strands. See the following:
-Details 1 and 2, SH_A19
-Specifications "Bid package 'B' instructions to bidders"
-Precast concrete shop drawings and production drawings, by Prestressed Concrete of Colorado, Inc. 303-458-6301

tracing key					
A	B	C	D	E	F
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					
61					
62					
63					
64					
65					
66					
67					
68					
69					
70					
71					
72					
73					
74					
75					
76					
77					
78					
79					
80					
81					
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					

STATE PROJ. 21266
drawing title
LOWER EAST POWER PLAN

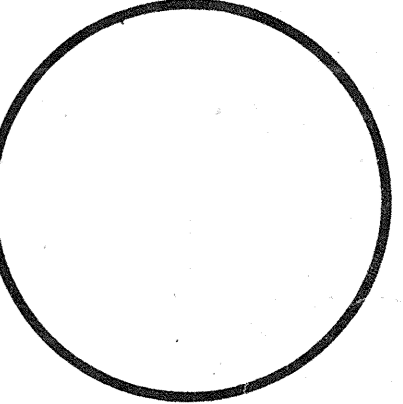


drawn by PLAMPH
checked by T. PLAMPH, P. WICKIT
DATE ISSUE ONE AUGUST 13, 1970
revisions
AUGUST 28, 1974
AUGUST 2

mc-b job no 7510
sheet 5 of 10
ISSUED #2 10/1/76
#3 2/1/78
#5 6/1/78

tracing key

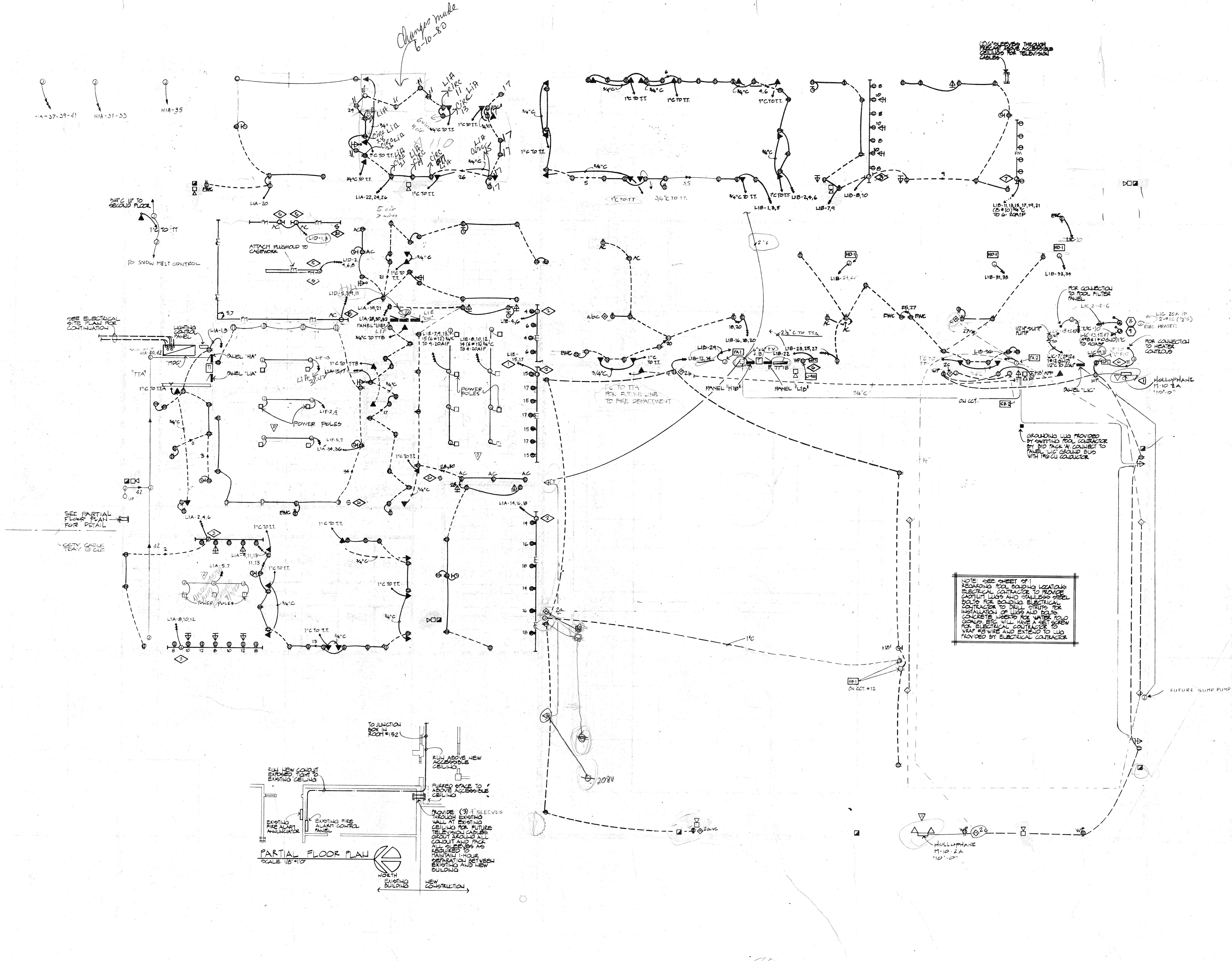
	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						



drawn by V. MILLER
checked by T. HANCOCK
date issue one AUGUST 5, 1976
revisions

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

mcb job no 7510
sheet of 63
of 63 sheets



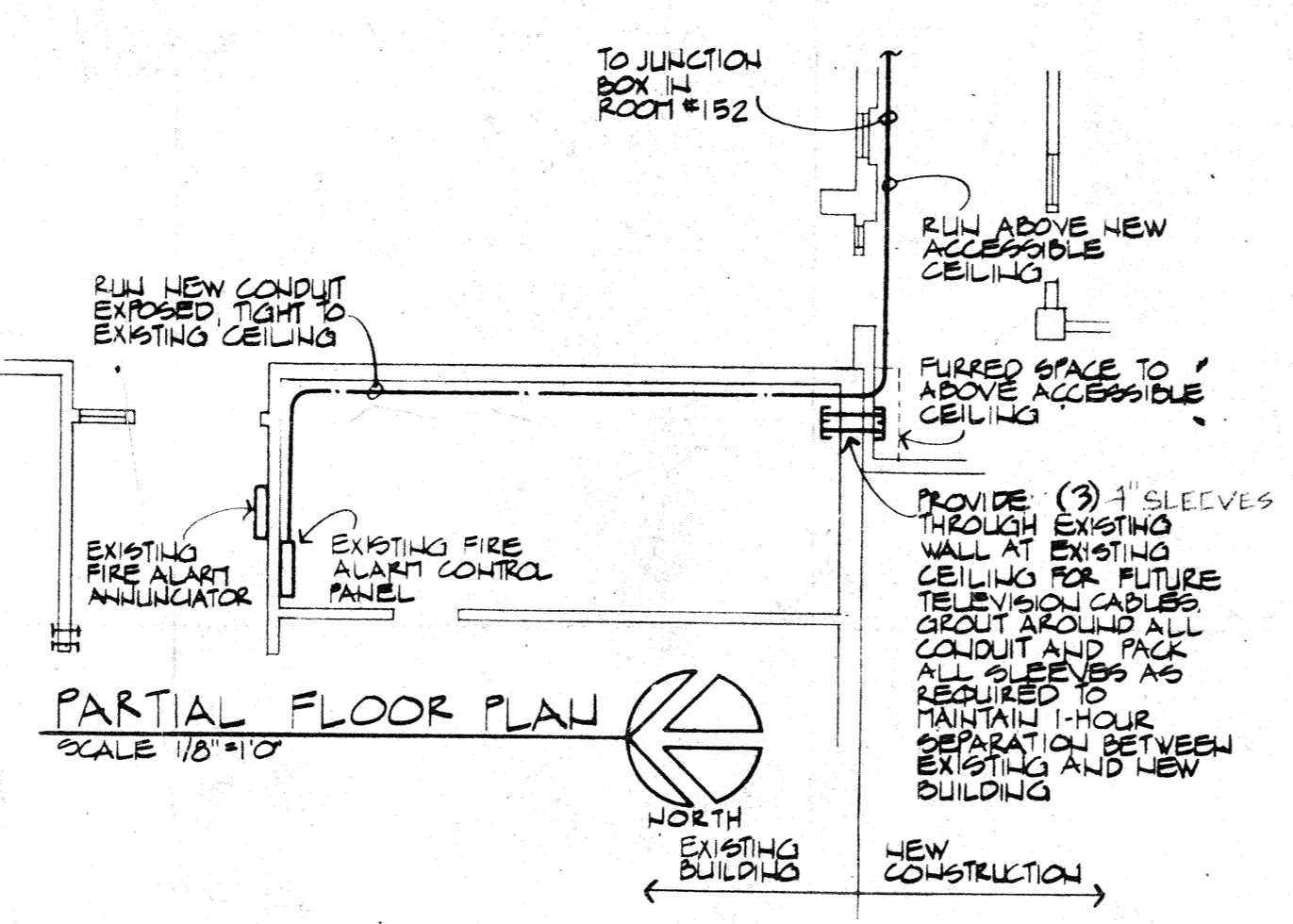
1-A-37-39-41
1-A-31-33
1-A-35

2 1/2" C UP TO SECOND FLOOR
1" C TO TT
TO SNOW MELT CONTROL

SEE ELECTRICAL SITE PLAN FOR CONTINUATION

SEE PARTIAL FLOOR PLAN FOR DETAIL

CITY CABLE TRAY ON CURB

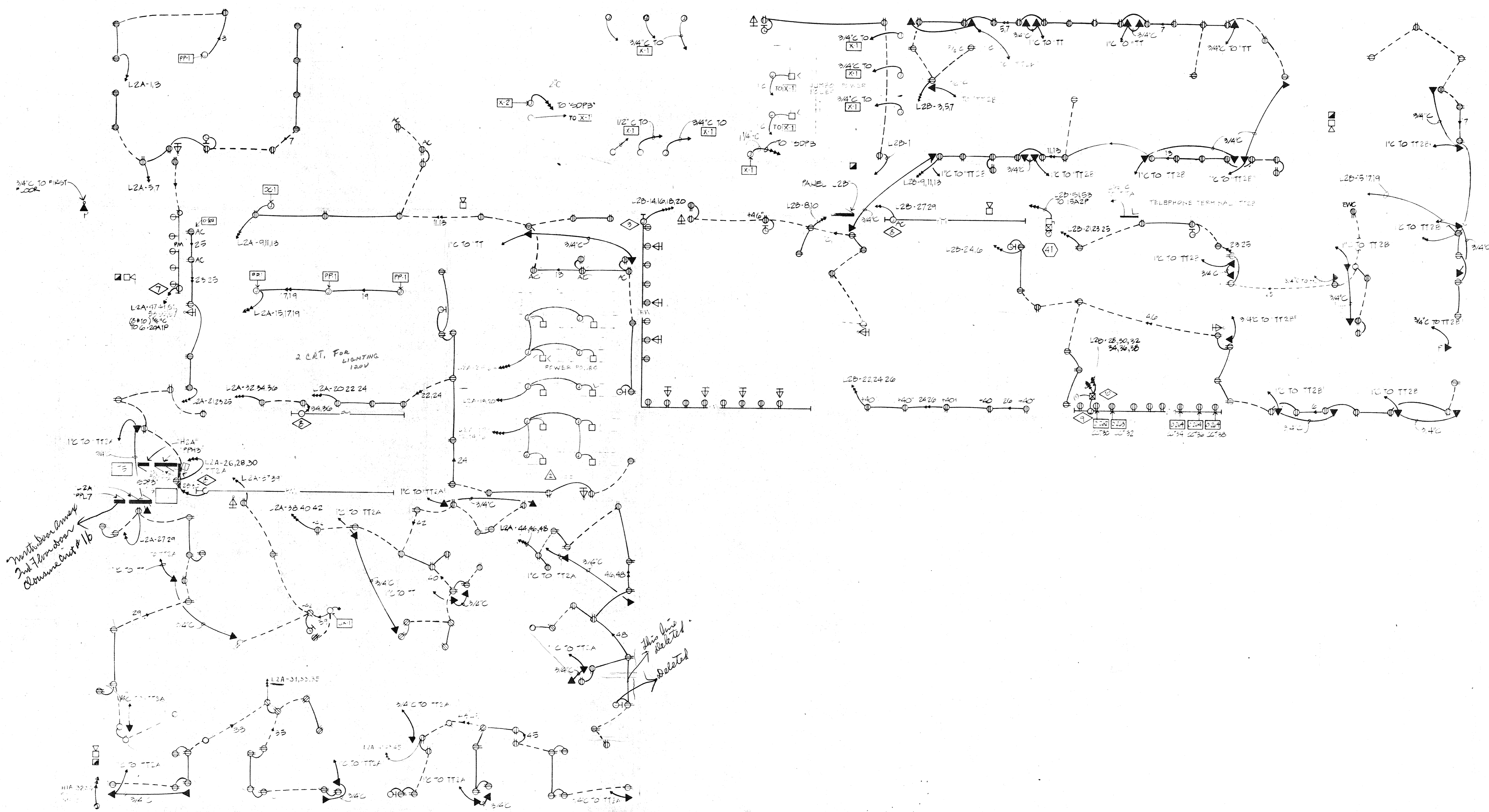


LOWER WEST POWER PLAN
1/2" = 1'-0"

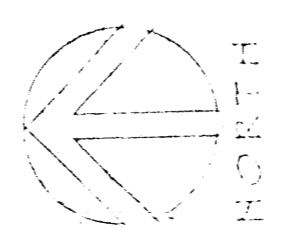
NOTE: SEE SHEET 07-1 REGARDING POOL SCOURING LOCATIONS. ELECTRICAL CONTRACTOR TO PROVIDE CAUTION LIGHTS AND STAINLESS STEEL BOLTS FOR BONDING ELECTRICAL CONTRACTOR TO DRILL STRIPS FOR INSTALLATION OF LUGS AND BOLTS. CONCRETE BOLTS FOR WATER POOL CONCRETE WILL HAVE A SET SCREW FOR ELECTRICAL CONTRACTOR TO WRAP WIRE AND EXTEND TO LUG PROVIDED BY ELECTRICAL CONTRACTOR.

ATTENTION !!!!!!!!!!!!!
Clear restrictions are set on how and where precast concrete members may be penetrated without damaging prestressed reinforcing strands. See the following:
-Details 1 and 2, SH.A19
-Specifications "Bid package 'B' instructions to bidders"
-Precast concrete shop drawings and production drawings, by Prestressed Concrete of Colorado, Inc. 303-458-6301

ISSUES
#2 10/1/76
#3 2/2/77



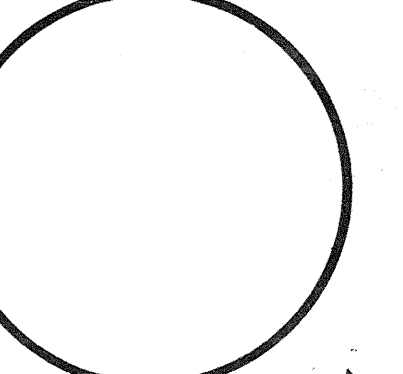
UPPER LEVEL POWER PLAN



drawing title
UPPER
POWER
PLAN

tracing key

	A	B	C	D	E
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					
61					
62					
63					
64					
65					
66					
67					
68					
69					
70					
71					
72					
73					
74					
75					
76					
77					
78					
79					
80					
81					
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					

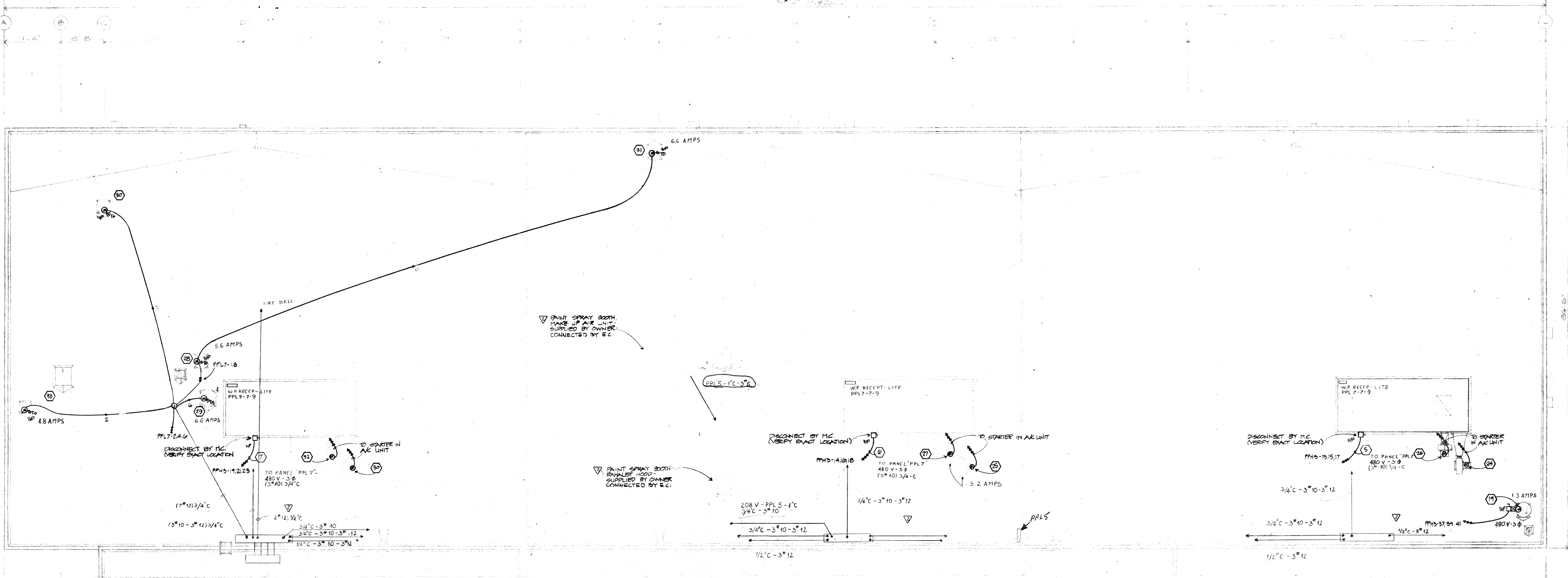


drawn by
checked by
date
revisions

ATTENTION
Clear restrictions are set on how and where
precast concrete members may be penetrated
without damaging prestressed reinforcing strands.
See the following:
-Details 1 and 2, SH, A19
-Specifications "Bid package 'B' instructions to
bidders"
-Precast concrete shop drawings and production
drawings, by Prestressed Concrete of Colorado,
Inc. 303-458-6301

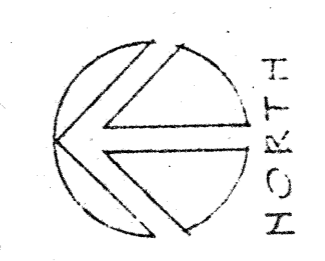
mcb job no
sheet
of
sheets

#2 10/1/76
#3 2/1/75



NOTE: ELECTRICAL CONTRACTOR SHALL PROVIDE A W.P. DUPLEX RECEPTACLE AT UNITS 5, 6 & 7 CIRCUIT PPL 7-9

EAST ROOF PLAN : ELECTRICAL
 1/8" = 1'-0"



tracing key						
	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

STATE REG. 2136

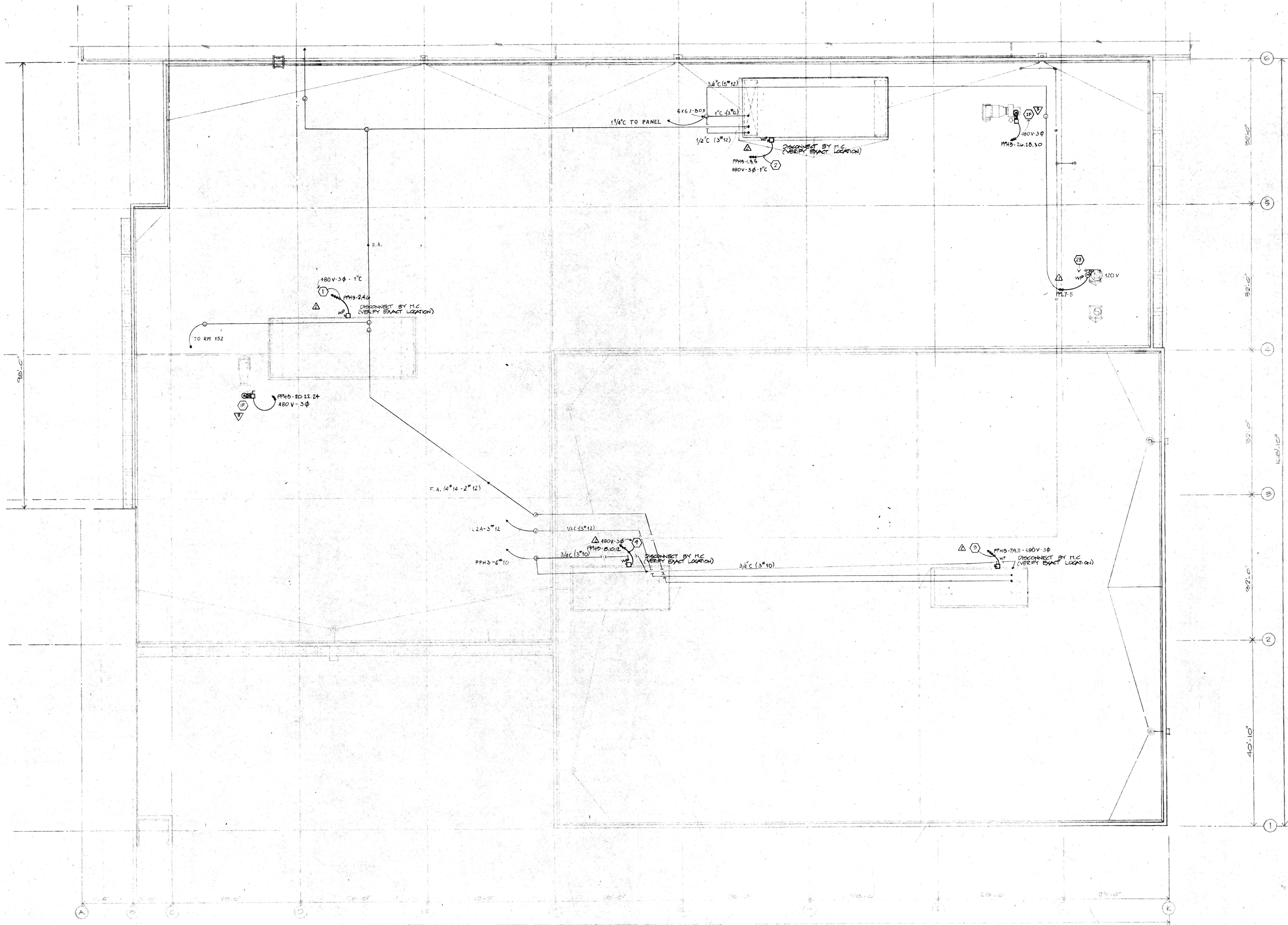
drawing title
 EAST ROOF ELECTRICAL PLAN



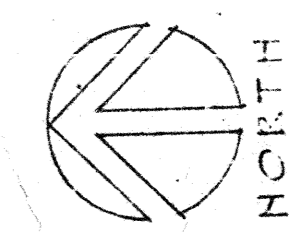
Drawn by
 V. MILLER
 Checked by
 P. NEKHT
 AUGUST 5, 1976
 REVISIONS
 APPENDIX 1, 2, 3, 4
 W.P. NO. 2

ISSUE
 #2 10/1/76
 #3 AS BUILT
 6/1/78

msb job no
 7510
 sheets of
 63
 sheets

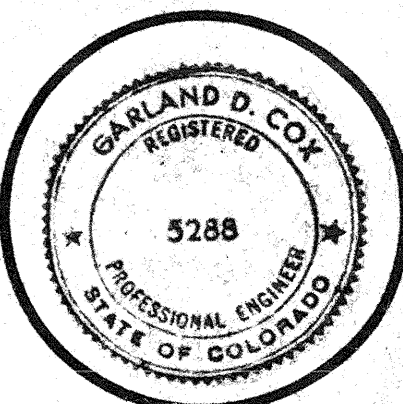


WEST ROOF PLAN : ELECTRICAL
1/8" = 1'-0"



tracing key

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						
68						
69						
70						
71						
72						
73						
74						
75						
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
86						
87						
88						
89						
90						
91						
92						
93						
94						
95						
96						
97						
98						
99						
100						



Drawn by MILLER
Checked by F. NIGHT
DATE ISSUE NO. 1
AUGUST 5 1976
REVISIONS
1. APPROX. 1.2.5.4
2. ISSUE NO. 2

ISSUE
#2 10/1/76
#3 5/5 8/1/78
#4 6/1/78

mcb job no 7510
sheet of 10
E

