

**PIPING ABBREVIATIONS**

●	—	DOMESTIC COLD WATER	CW
○	— NP	NON POTABLE COLD WATER	NP
●	—	DOMESTIC HOT WATER AT 110°	THW
●	— T	DOMESTIC HOT WATER AT 140°	THW
●	— 180	DOMESTIC HOT WATER AT 180°	HW
●	—	DOMESTIC HOT WATER CIRC. AT 110°, 140°	THWC
○	— 180	DOMESTIC HOT WATER CIRC. AT 180°	HWC
●	— G	NATURAL GAS	G
●	— DL	DRAIN LINE	DL
●	— F	FIRE LINE	F
○	— S	SPRINKLER LINE	S
●	—	SANITARY SEWER ABOVE GRADE	W
●	—	SANITARY SEWER BELOW GRADE	W
●	— SD	STORM SEWER ABOVE GRADE	SD
●	— SD	STORM SEWER BELOW GRADE	SD
●	—	PERFORATED TILE (FOUNDATION DRAIN)	
○	— AW	ACID WASTE	AW
○	— IW	INDIRECT WASTE	IW
●	— V	VENT PIPING	V
●	— HWS	HOT WATER HEATING SUPPLY	HWS
●	— HWR	HOT WATER HEATING RETURN	HWR
○	— LPS	LOW PRESSURE STEAM SUPPLY	LPS
○	— LPR	LOW PRESSURE STEAM RETURN	LPR
○	— MPS	MEDIUM PRESSURE STEAM SUPPLY	MPS
○	— MPR	MEDIUM PRESSURE STEAM RETURN	MPR
○	— HPS	HIGH PRESSURE STEAM SUPPLY	HPS
○	— HPR	HIGH PRESSURE STEAM RETURN	HPR
○	— MTWS	MEDIUM TEMPERATURE WATER SUPPLY	MTWS
○	— MTWR	MEDIUM TEMPERATURE WATER RETURN	MTWR
●	— CS	CONDENSOR WATER SUPPLY	CS
●	— CR	CONDENSOR WATER RETURN	CR
●	— CWS	CHILLED WATER SUPPLY	CWS
●	— CWR	CHILLED WATER RETURN	CWR
○	— O	CONDENSATE OR VACUUM PUMP DISCHARGE	O
○	— OO	FEED WATER PUMP DISCHARGE	OO
○	— FOF	FUEL OIL FLOW	FOF
○	— FOR	FUEL OIL RETURN	FOR
○	— FOV	FUEL OIL TANK VENT	FOV
○	— RL	REFRIGERANT LIQUID	RL
○	— RS	REFRIGERANT SUCTION	RS
○	— RHG	REFRIGERANT HOT GAS	RHG
○	— LL	LIQUID LEVEL	LL
○	— WW	WELL WATER	WW
○	— V	VACUUM	V
○	— CA	COMPRESSED AIR	CA
●	— GWS	GLYCOL WATER SUPPLY	GWS
●	— GWR	GLYCOL WATER RETURN	GWR
●	— DC	DRY CHEMICAL	DC

**PIPING STANDARDS**

	DIRECTION OF FLOW IN PIPE
	SLOPE DOWN IN DIRECTION OF ARROW
	ELBOW DOWN
	TOP CONNECTION TO MAIN
	BOTTOM CONNECTION TO MAIN
	SIDE CONNECTION TO MAIN
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	EXPANSION JOINT
	THERMOMETER
	THERMOSTAT
	NITE THERMOSTAT
	HUMIDISTAT
	STRAINER
	GATE VALVE
	CHECK VALVE
	GLOBE VALVE
	HOSE END VALVE
	BALANCING VALVE
	UNION
	PRESSURE TEMPERATURE TEST PLUG
	BUTTERFLY VALVE
	OS & Y GATE VALVE
	SPRINKLER SYSTEM AIR VALVE
	PRESSURE REDUCING VALVE
	CONTROL VALVE - TWO WAY
	CONTROL VALVE - THREE WAY
	RELIEF VALVE - ANGLE PATTERN
	RELIEF VALVE - STRAIGHT THROUGH PATTERN
	SOLENOID VALVE
	GATE VALVE IN VERTICAL RISER
	FLEXIBLE CONNECTION
	MANUAL AIR VENT
	PIPE GUIDE
	PIPE ANCHOR
	CURB STOP AND SERVICE BOX
	CLEANOUT TO GRADE IN 18x18x4 CONCRETE PAD
	SHOCK ABSORBER
	UPRIGHT SPRINKLER HEAD
	PENDANT SPRINKLER HEAD
	FROSTPROOF WALL HYDRANT
	WALL HYDRANT HOSE BIB
	FLOW MEASURING DEVICE
	SMOKE DETECTOR
	FIRESTAT
	APPROVED GAS SHUT-OFF VALVE
	PRESSURE GAUGE
	FLOAT VALVE
	BACKFLOW PREVENTOR
	FLOW SWITCH
	AUTOMATIC FLOW VALVE
	CAP
	PUMP
	INDICATES BASE-MOUNTED

**HVAC STANDARDS**

	MOTOR OPERATED DAMPER
	MANUAL VOLUME DAMPER
	FIRE DAMPER
	SMOKE DAMPER
	FLEXIBLE CONNECTION
	ACOUSTICAL LINING
	SUPPLY AIR DUCT UP
	SUPPLY AIR DUCT DOWN
	RETURN AIR DUCT UP
	RETURN AIR DUCT DOWN
	EXHAUST AIR DUCT UP
	EXHAUST AIR DUCT DOWN
	DUCT SIZED AS 24x12
	DUCT TRANSITION-FLAT ON TOP
	DUCT TRANSITION-FLAT ON BOTTOM
	RECTANGULAR DUCT BREAK
	ROUND DUCT BREAK
	SQUARE ELBOW WITH TURNING VANES
	DETAIL NUMBER M-3   M-5 TYPICAL DETAIL REFERENCE SHEET NO. OF DRAWING WHERE DETAIL IS SHOWN
	SECTION LETTER A M-3   M-5 TYPICAL SECTION REFERENCE SHEET NO. OF DRAWING WHERE SECTION IS SHOWN
	RISER LETTER B M-3   M-5 TYPICAL PLUMBING REFERENCE SHEET NUMBER OF DRAWING WHERE RISER IS SHOWN
	SWITCH
	INDICATES PILOT LIGHT

**DESIGN CONDITIONS**

LOCATION: 10TH AVENUE & 7TH STREET, GREELEY, COLORADO  
 ELEVATION: 4648 FT.  
 LATITUDE: 40° -3'

TEMPERATURES:	SUMMER	WINTER
OUTSIDE AIR	94°F/65°F WB	-10°F
OFFICE AREA	75°	68°F
MEETING ROOMS	75°	68°F
LARGE GYM	VARIES	68°F
AUXILIARY GYM	VARIES	68°F
POOL AREA	VARIES	75°F
LOCKER AREA	VARIES	75°F
RACQUETBALL COURTS	VARIES	68°F
MECHANICAL ROOMS	VARIES	55°F
KITCHEN	VARIES	68°F
BASEMENT	VARIES	68°F

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**ABBREVIATIONS**

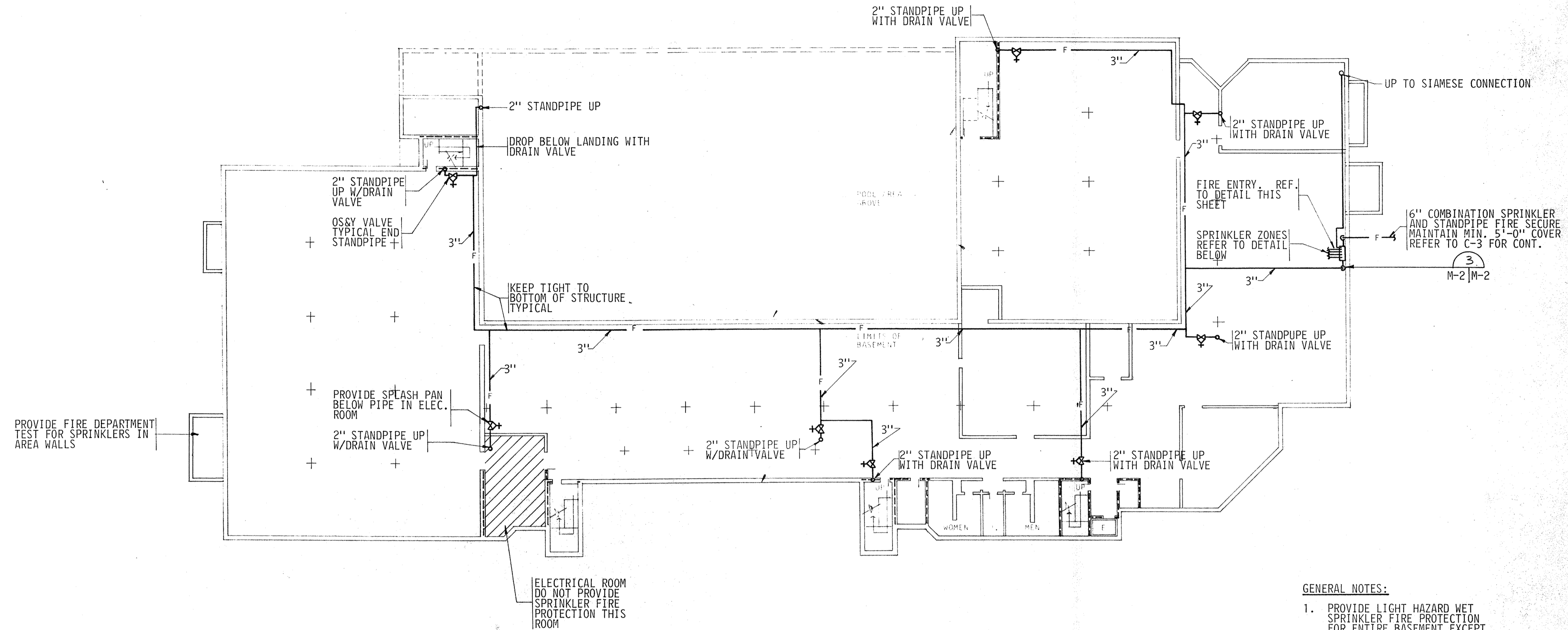
AFF	ABOVE FINISHED FLOOR	REC	RECESSED
AP	ACCESS PANEL	RA	RETURN AIR
ATV	AIR TURNING VANE	RG	RETURN GRILLE
ARCH	ARCHITECTURAL	RR	RETURN REGISTER
AD	AREA DRAIN	RD	ROOF DRAIN
ATC	AUTO TEMP CONTROL	SEC	SECTION
CD	CEILING DIFFUSER	SH	SHEET
C	COMMON	FA	SQUARE FEET FREE AREA
CFM	CUBIC FEET PER MINUTE	SA	SUPPLY AIR
DN	DOWN	SD	SUPPLY DIFFUSER
DWG	DRAWING	SG	SUPPLY GRILLE
EWT	ENTERING WATER TEMP	SR	SUPPLY REGISTER
EQUIP	EQUIPMENT	TEMP	TEMPERATURE
EA	EXHAUST AIR	MBH	THOUSAND BTU PFR HOUR
EG	EXHAUST GRILLE	TYP	TYPICAL
ER	EXHAUST REGISTER	UH	UNIT HEATER
FT	FIN-TUBE	VTR	VENT THRU ROOF
FCO	FLOOR CLEANOUT	VERT	VERTICAL
FD	FLOOR DRAIN	VD	VOLUME DAMPER
FS	FLOOR SINK	W/	WITH
HORIZ	HORIZONTAL	W/O	WITHOUT
INV	INVERT	WCO	WALL CLEANOUT
IE	INVERT ELEVATION	MECH.	MECHANICAL
LWT	LEAVING WATER TEMP	CO.	CLEANOUT
MAV	MANUAL AIR VENT	COTG	CLEANOUT TO TOP OF GRADE
MAX	MAXIMUM	CIRC.	CIRCULATING
MIN	MINIMUM	EAT	ENTERING AIR TEMPERATURE
MISC	MISCELLANEOUS	S.L.	SEA LEVEL
MA	MIXED AIR	LAT	LEAVING AIR TEMPERATURE
NC	NORMALLY CLOSED	APD	AIR PRESSURE DROP
NO	NORMALLY OPEN	WPD	WATER PRESSURE DROP
NIC	NOT IN CONTRACT	BDD	BACKDRAFT DAMPER
OBD	OPPOSED BLADE DAMPER		
OSA	OUTSIDE AIR		
OFE	OWNER FURNISHED EQUIPMENT		

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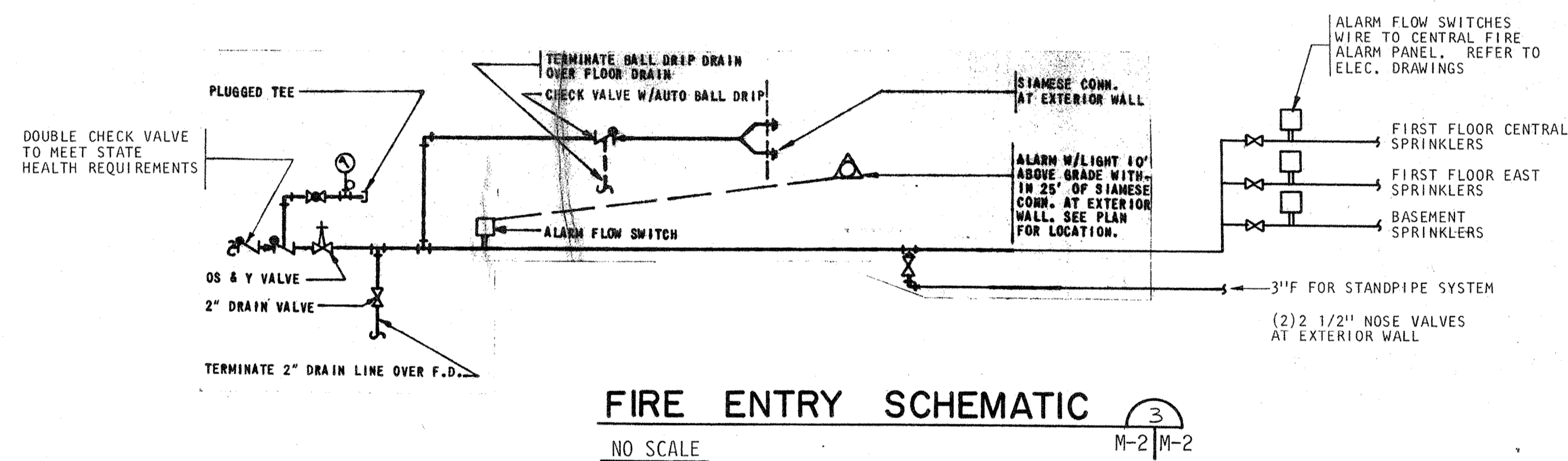
SCALE	NONE
DRAWN	JKJ
CHECKED	JCH
APPROVED	JCH
DATE	AUG. 4, 1983
PROJECT NO.	82183-00

COMMUNITY CENTER FOR RECREATION  
 GREELEY COLORADO  
 MECHANICAL LEGEND & STANDARDS M-1



- GENERAL NOTES:**
1. PROVIDE LIGHT HAZARD WET SPRINKLER FIRE PROTECTION FOR ENTIRE BASEMENT EXCEPT AS NOTED.
  2. FOR SIZING SPRINKLER SYSTEM A FLOW TEST IN THE FIRE HYDRANT AT THE INTERSECTION OF 11TH STREET AND 11TH AVENUE INDICATES:  
 STATIC PRESSURE 72 PSIG  
 FLOW RATE 1500 GPM W/A  
 RESIDUAL PRESSURE OF 68 PSIG

BASEMENT PLAN - FIRE PROTECTION  
 SCALE: 1" = 20'-0"



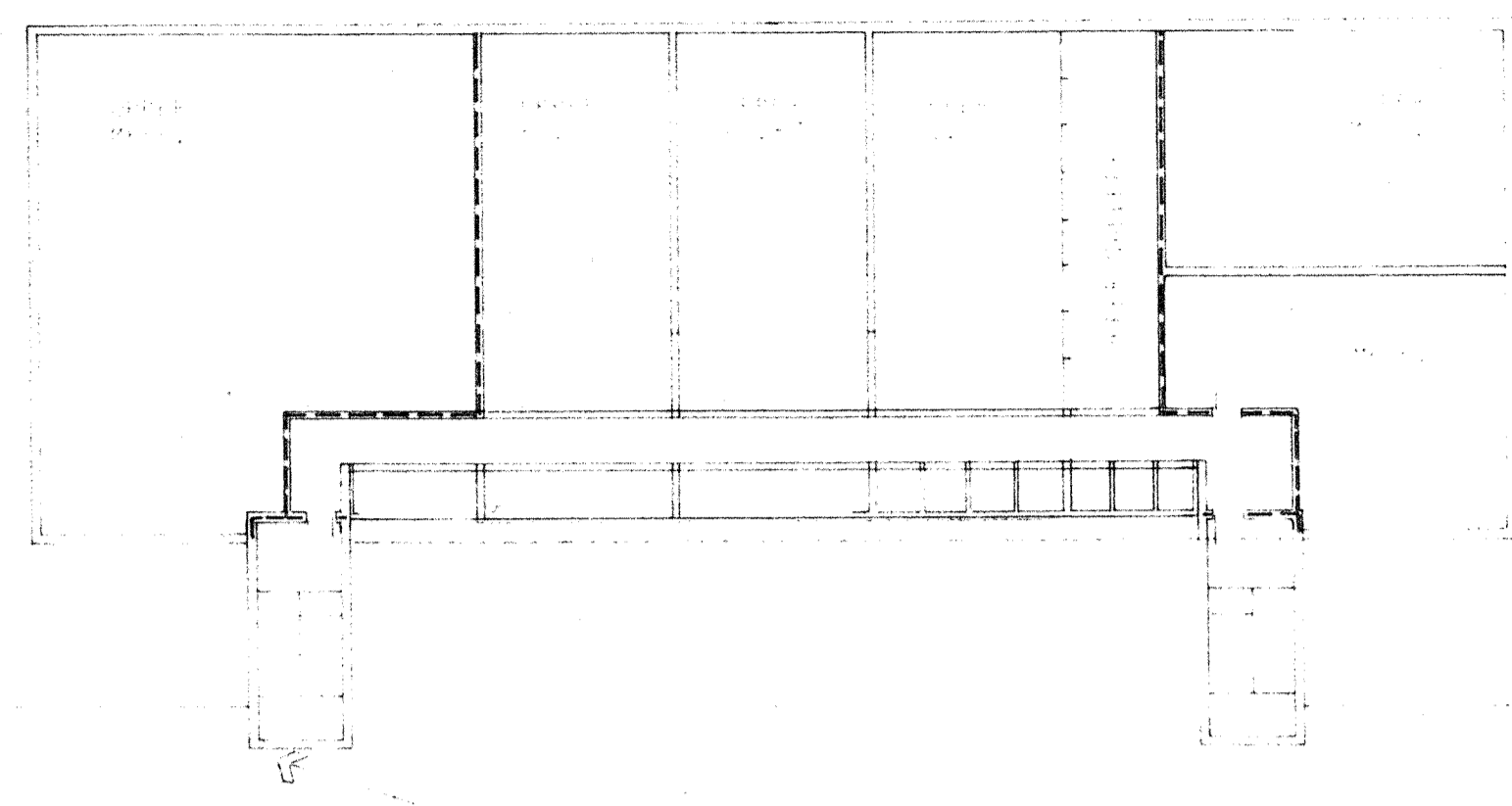
**FIRE ENTRY SCHEMATIC**  
 NO SCALE  
 M-2/M-2

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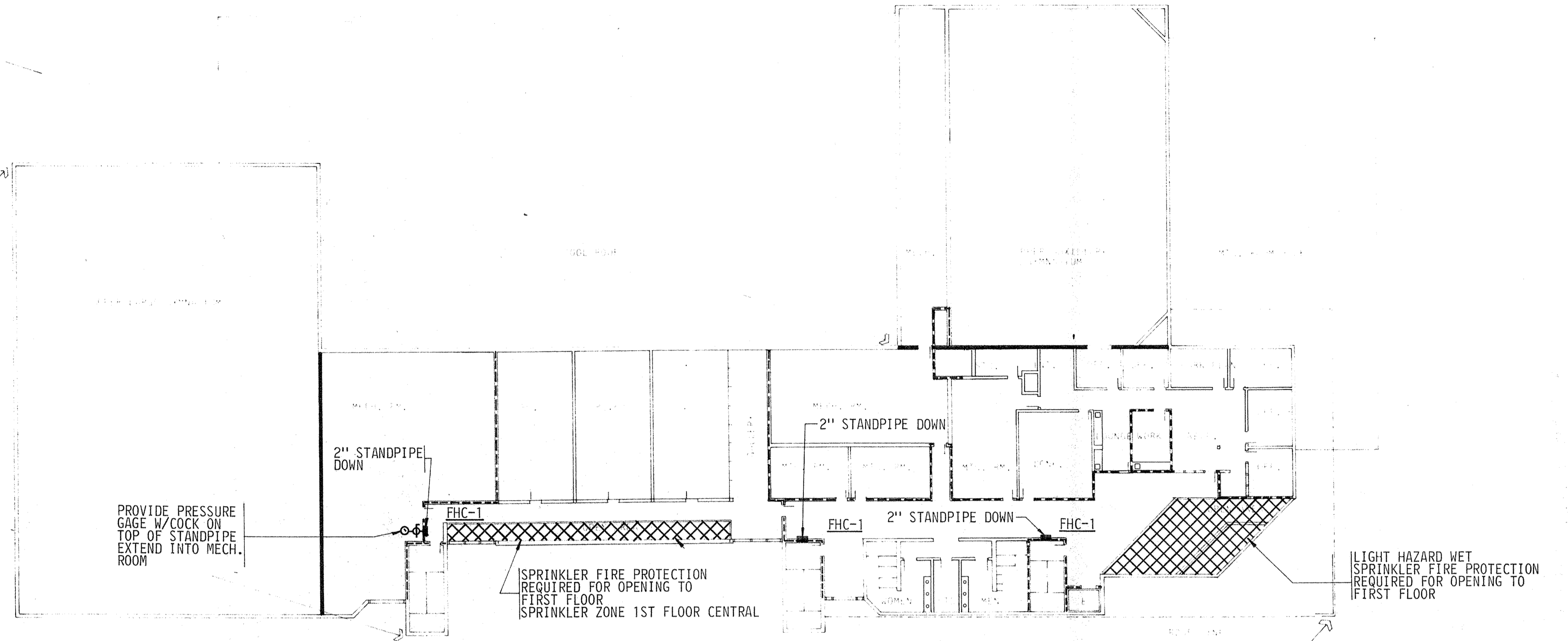
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SCALE 1" = 20'-0"  
 DRAWN JKJ  
 CHECKED JCH  
 APPROVED JCH  
 DATE AUG. 4, 1983  
 PROJECT NO. 82181-00

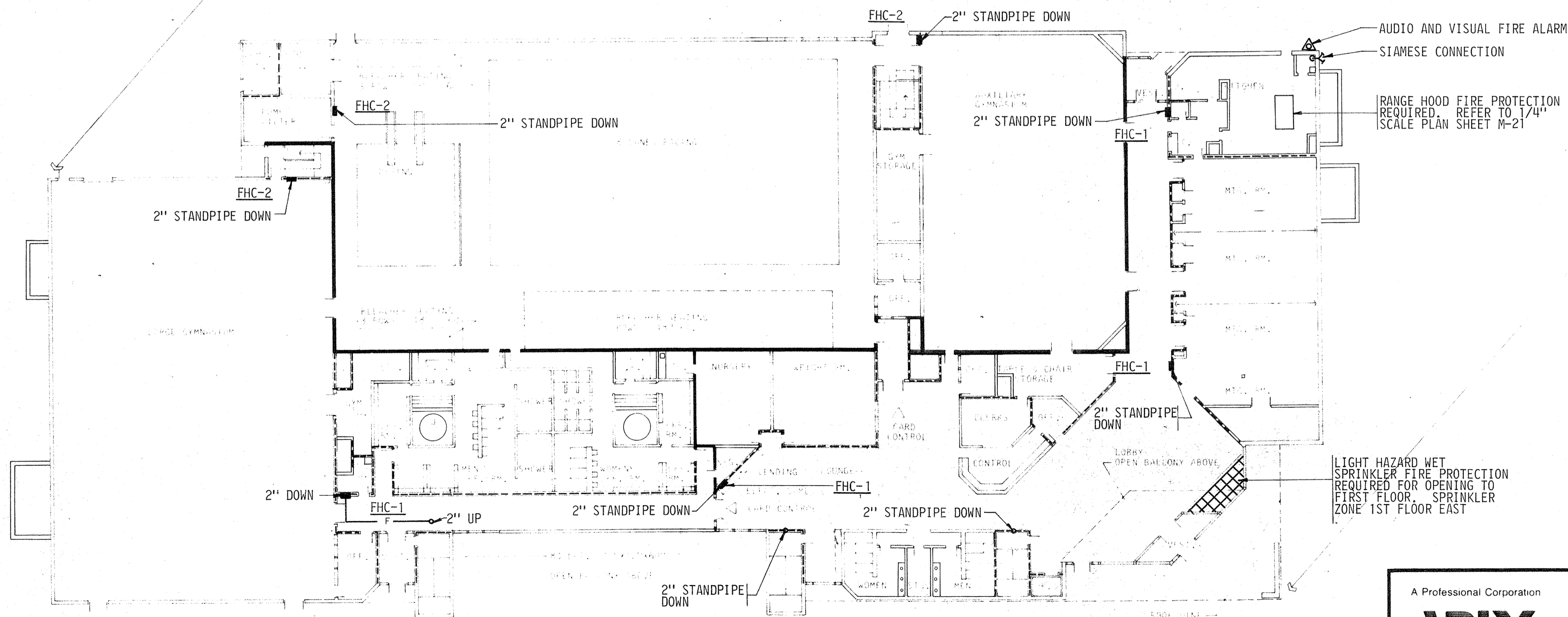
COMMUNITY CENTER  
 FOR RECREATION  
 GREELEY  
 BASEMENT PLAN  
 FIRE PROTECTION



SECOND FLOOR MEZZANINE PLAN - FIRE PROTECTION  
SCALE: 1" = 20'-0"



SECOND FLOOR - FIRE PROTECTION  
SCALE: 1" = 20'-0"



FIRST FLOOR - FIRE PROTECTION  
SCALE: 1" = 20'-0"

GENERAL NOTES:

1. PROVIDE PRESSURE GAGE WITHIN EACH HOSE CABINET (FHC-1) ON THE TOP FLOORS.

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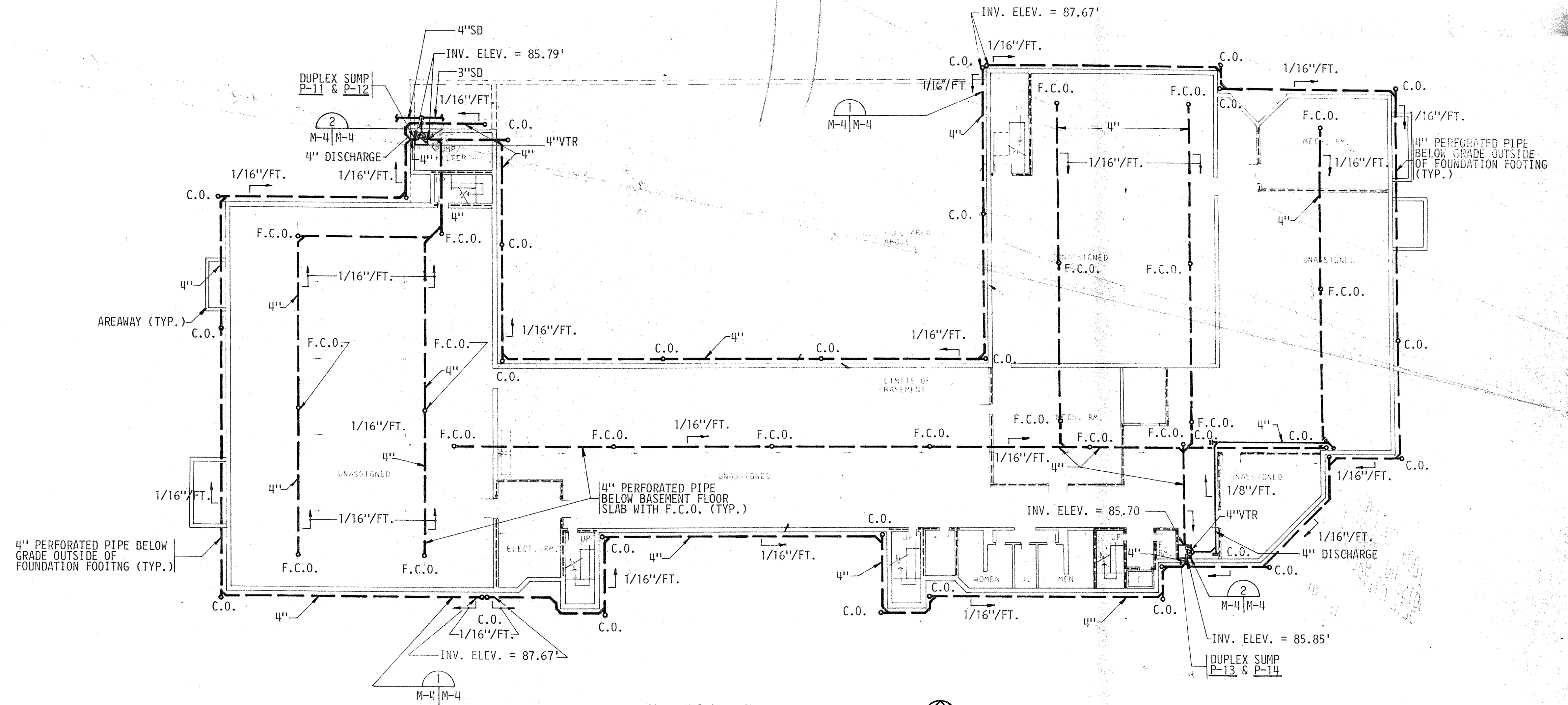
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SCALE	1" = 20'-0"
DRAWN	JKJ
CHECKED	JCH
APPROVED	JCH
DATE	AUG. 4, 1983
PROJECT NO.	82182-20

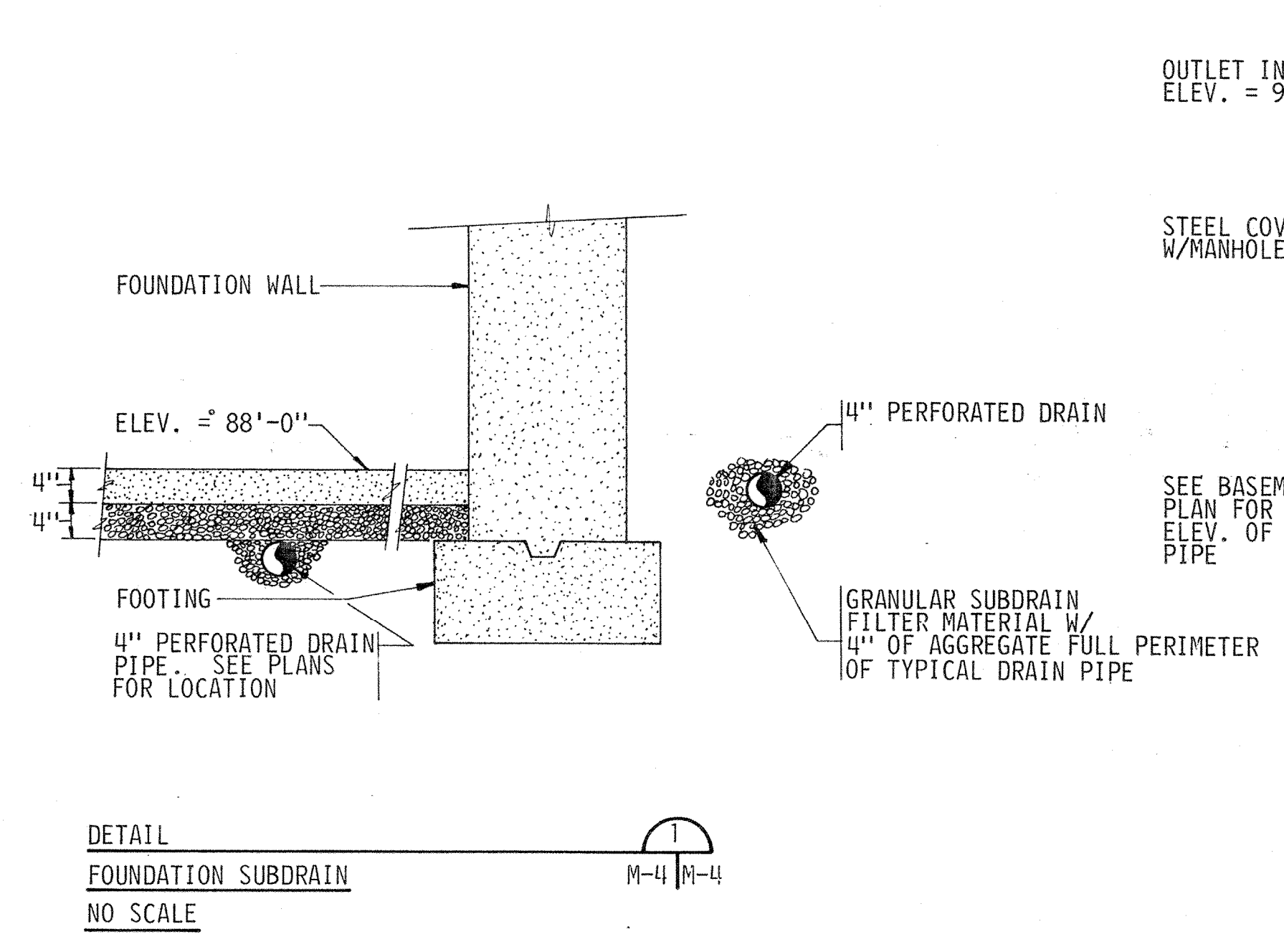
COMMUNITY CENTER FOR RECREATION  
GREELEY COLORADO

FIRST & SECOND FLOOR PLAN  
FIRE PROTECTION

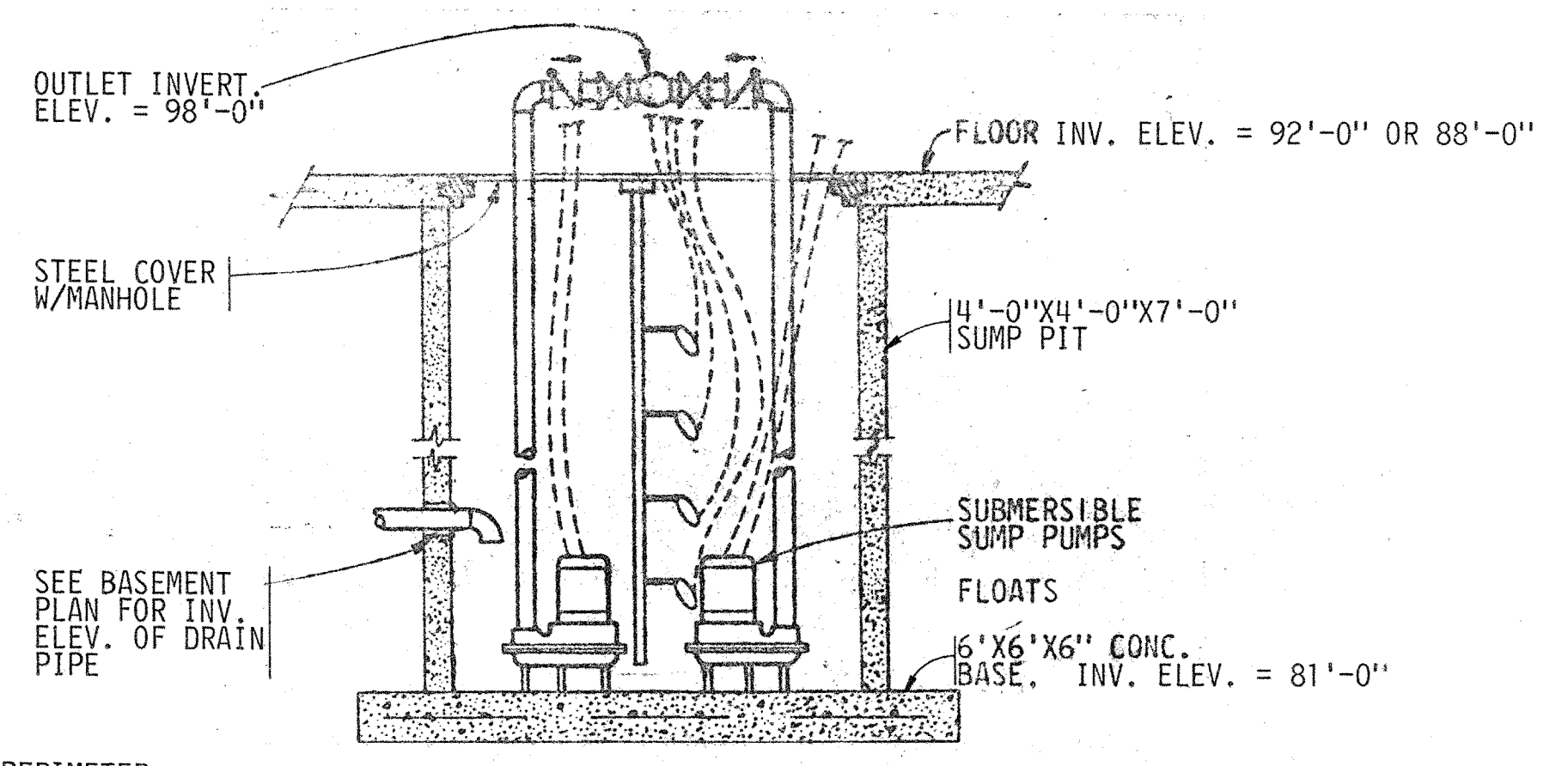


BASEMENT PLAN - FOUNDATION DRAIN  
SCALE: 1" = 20'-0"

- NOTES:
1. BASEMENT FLOOR SLAB = 88.00'
  2. EXTEND ALL EXTERIOR C.O. TO GRADE. INSTALL FLUSH IN CONCRETE SIDEWALK OR 24X24X4 CONCRETE SLAB AT GRADE.



DETAIL  
FOUNDATION SUBDRAIN  
NO SCALE

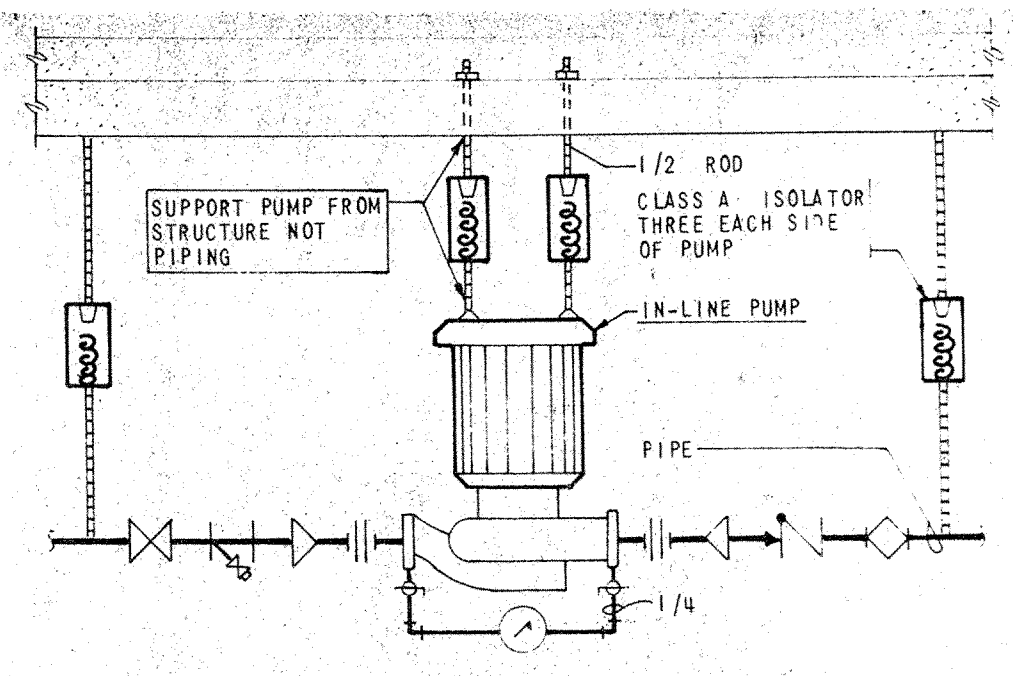
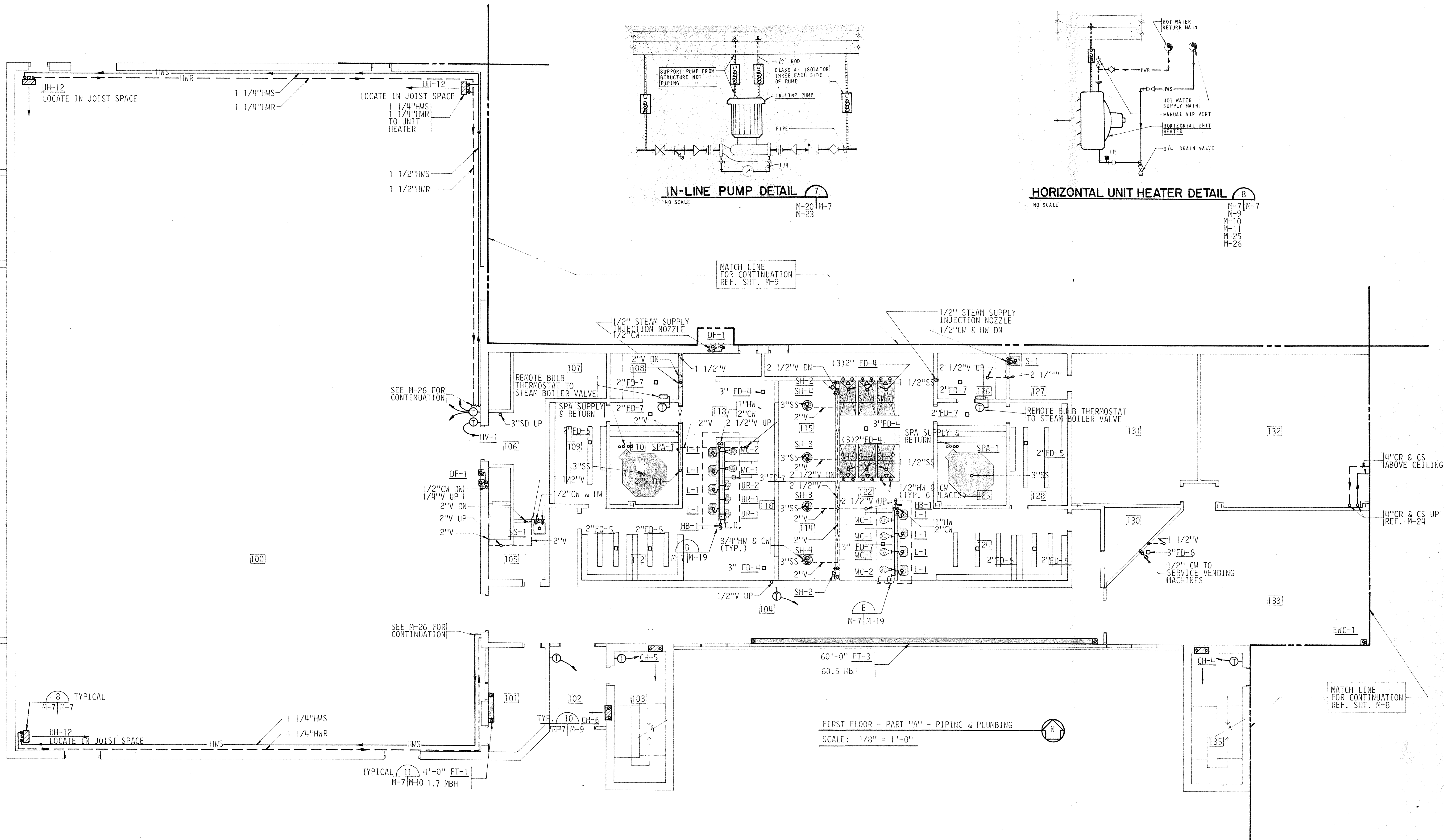


DETAIL  
SUMP PUMP  
NO SCALE

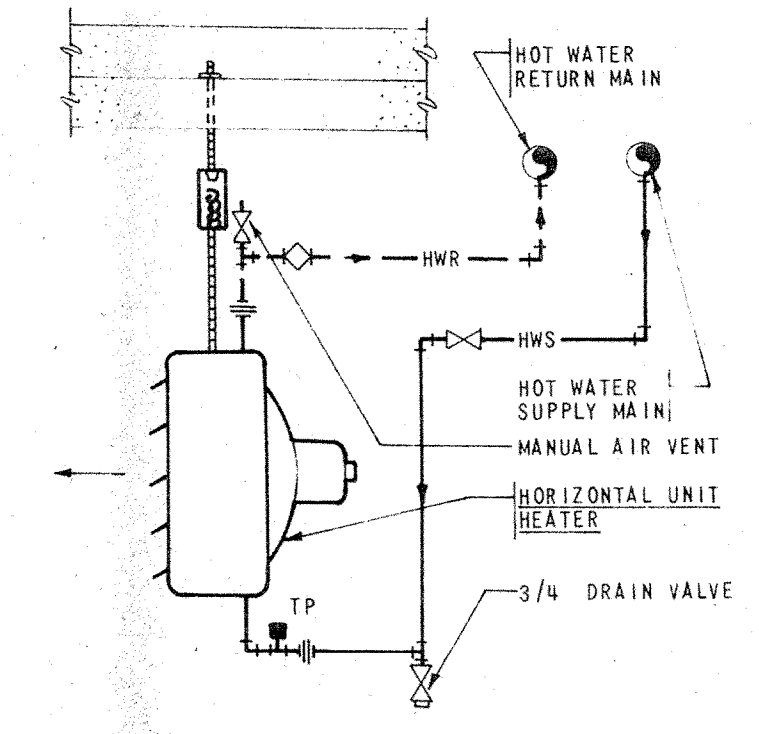
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		DRAWN	JKJ	
		CHECKED	JCH	
		APPROVED	JCH	
DATE	AUG. 4, 1983	PROJECT NO.	5715-1-30	







IN-LINE PUMP DETAIL (7)  
NO SCALE  
M-20 | M-7  
M-23



HORIZONTAL UNIT HEATER DETAIL (8)  
NO SCALE  
M-7 | M-7  
M-9  
M-10  
M-11  
M-25  
M-26

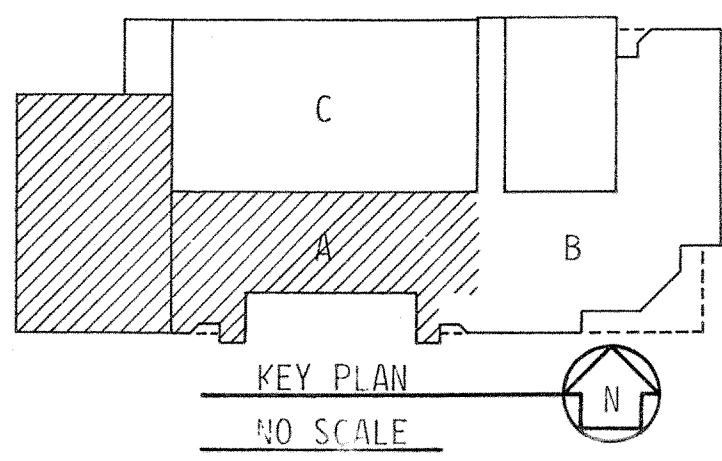
MATCH LINE FOR CONTINUATION  
REF. SHT. M-9

MATCH LINE FOR CONTINUATION  
REF. SHT. M-8

(8) TYPICAL  
M-7 | M-7

TYPICAL (11) 4'-0\"/>

FIRST FLOOR - PART "A" - PIPING & PLUMBING  
SCALE: 1/8" = 1'-0"

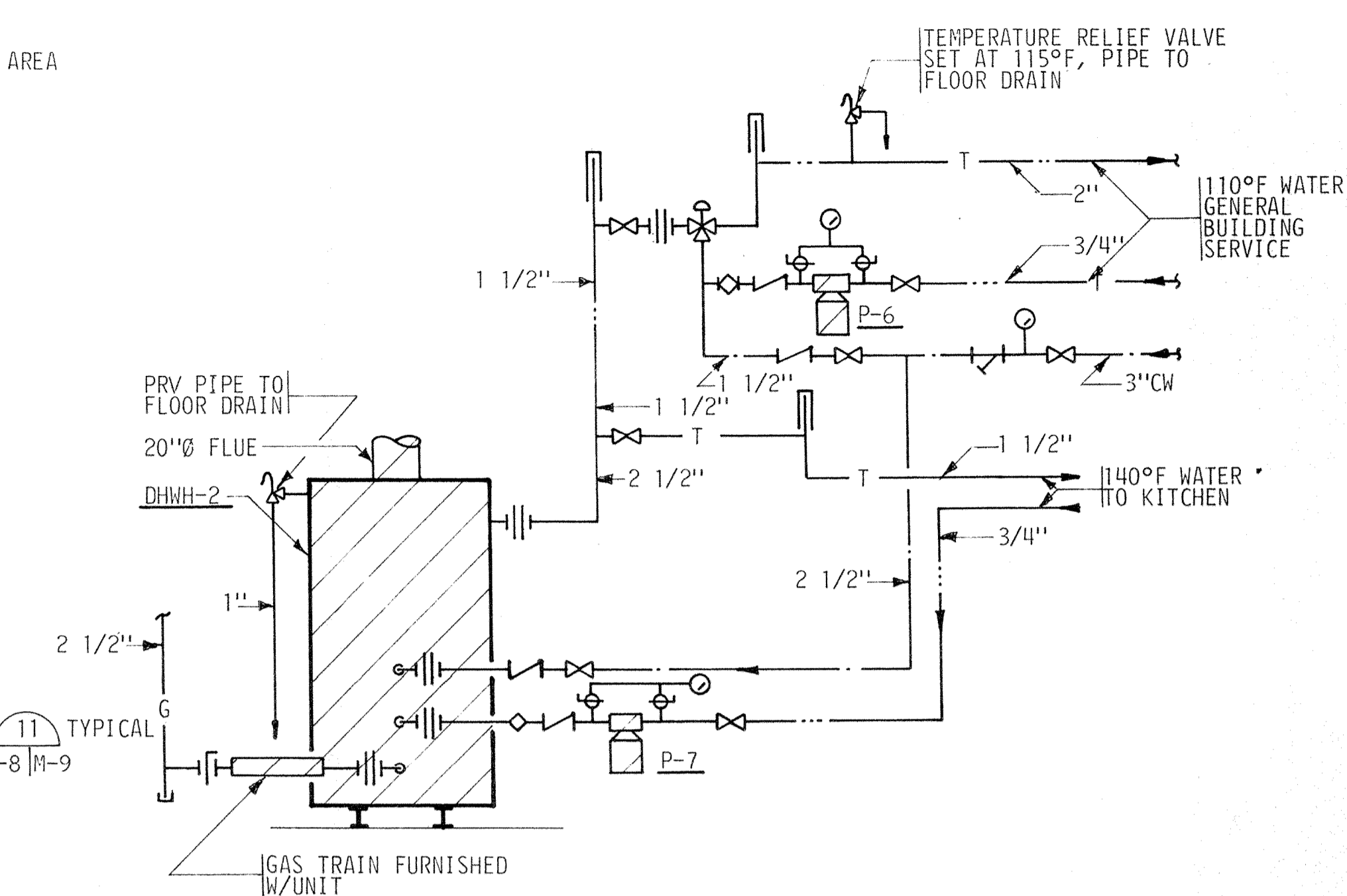
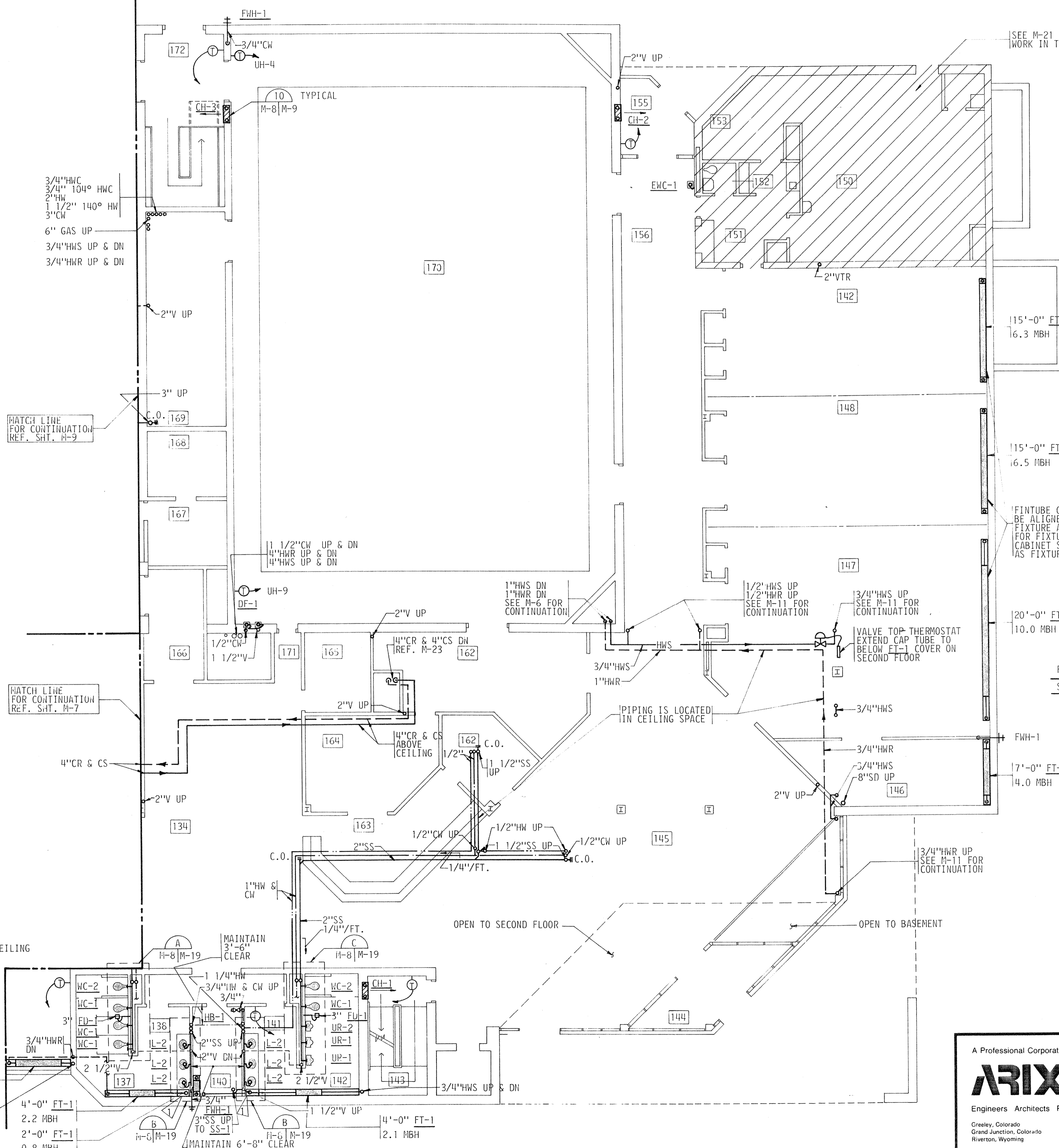


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DRAWN J.K.J.  
CHECKED J.C.H.  
APPROVED J.C.H.  
DATE AUG. 4, 1983  
PROJECT NO. 82183.00

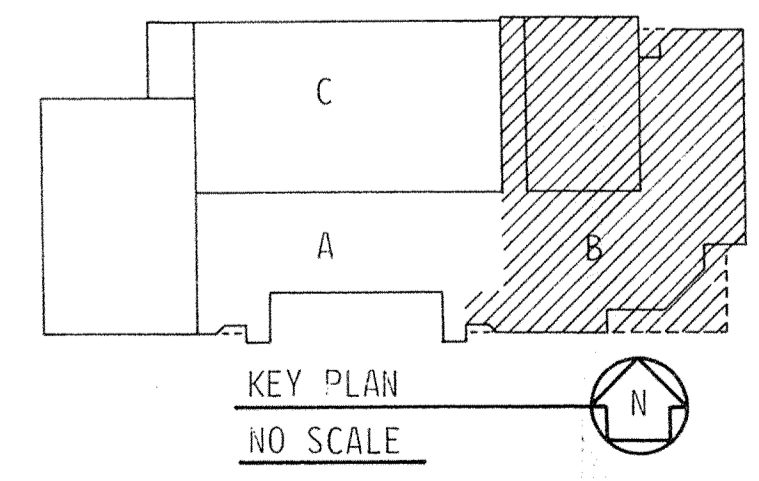
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GREELEY COLORADO  
FIRST FLOOR PLAN - PART "A" - PIPING & PLUMBING



DOMESTIC HOT WATERHEATER  
PIPING DIAGRAM  
NO SCALE

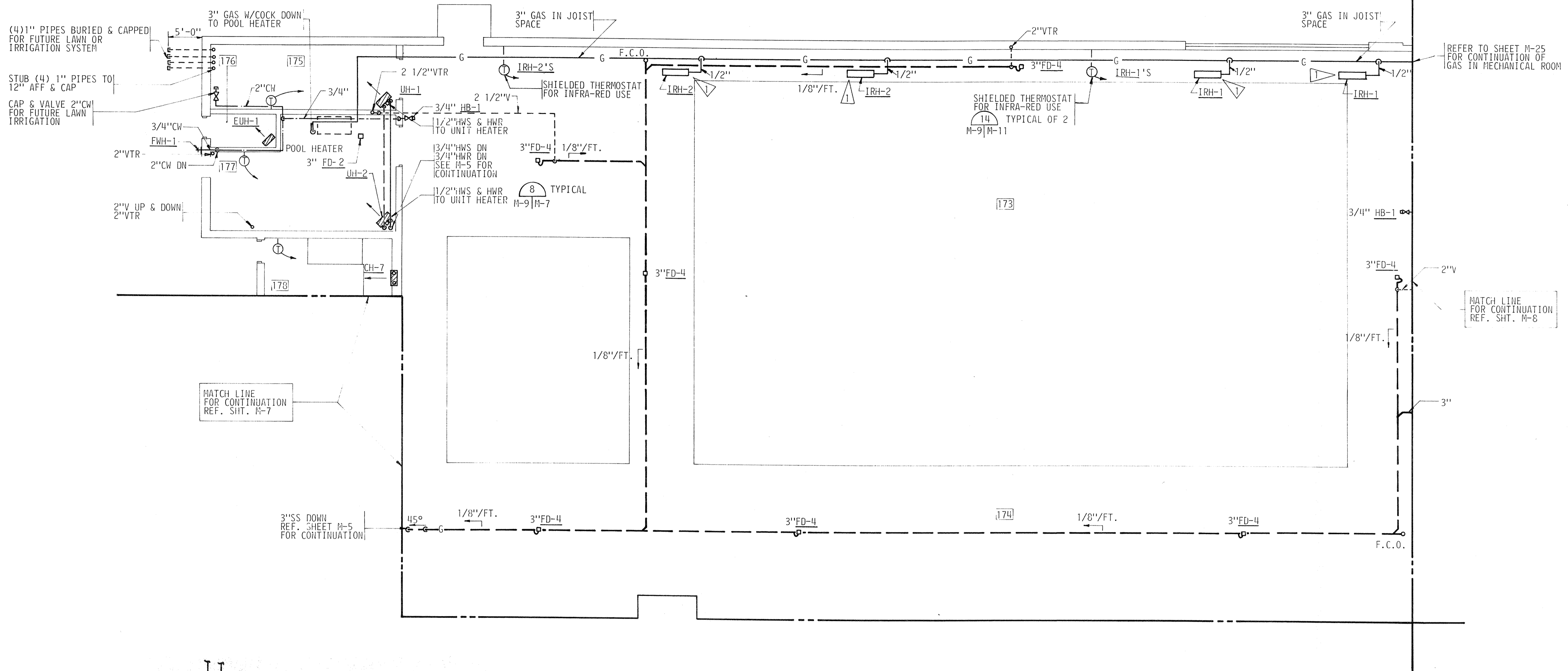
FIRST FLOOR PLAN - PART "B" - PIPING & PLUMBING  
SCALE: 1/8" = 1'-0"

WORK NOTES (THIS SHEET ONLY):  
 ▷ 3X3 SHEET METAL COVER BELOW CABINET.



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FIRST FLOOR PLAN - PART "b" PIPING & PLUMBING			M-8

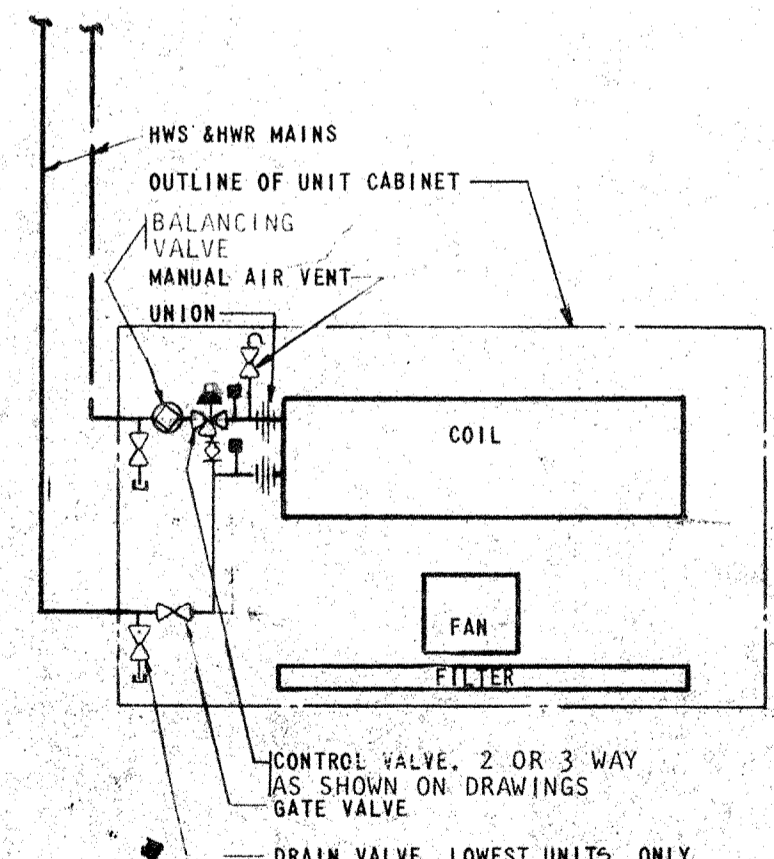




MATCH LINE FOR CONTINUATION REF. SHT. M-7

REFER TO SHEET M-25 FOR CONTINUATION OF GAS IN MECHANICAL ROOM

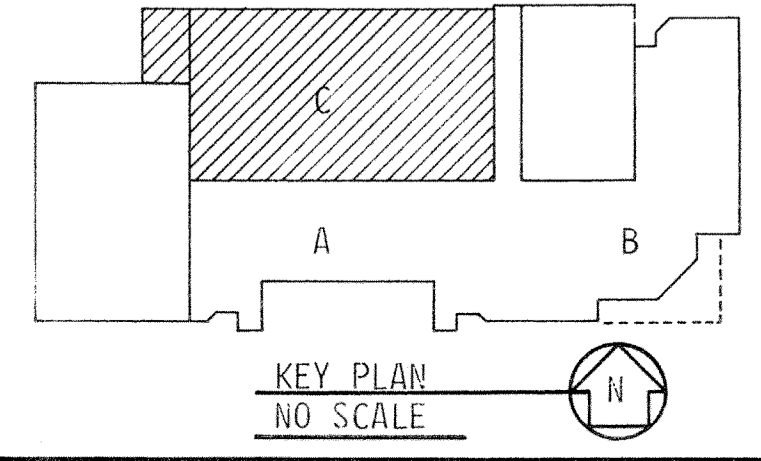
MATCH LINE FOR CONTINUATION REF. SHT. M-8



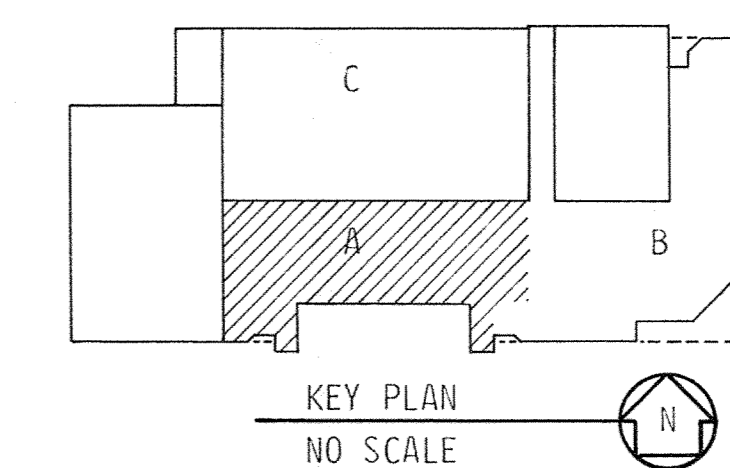
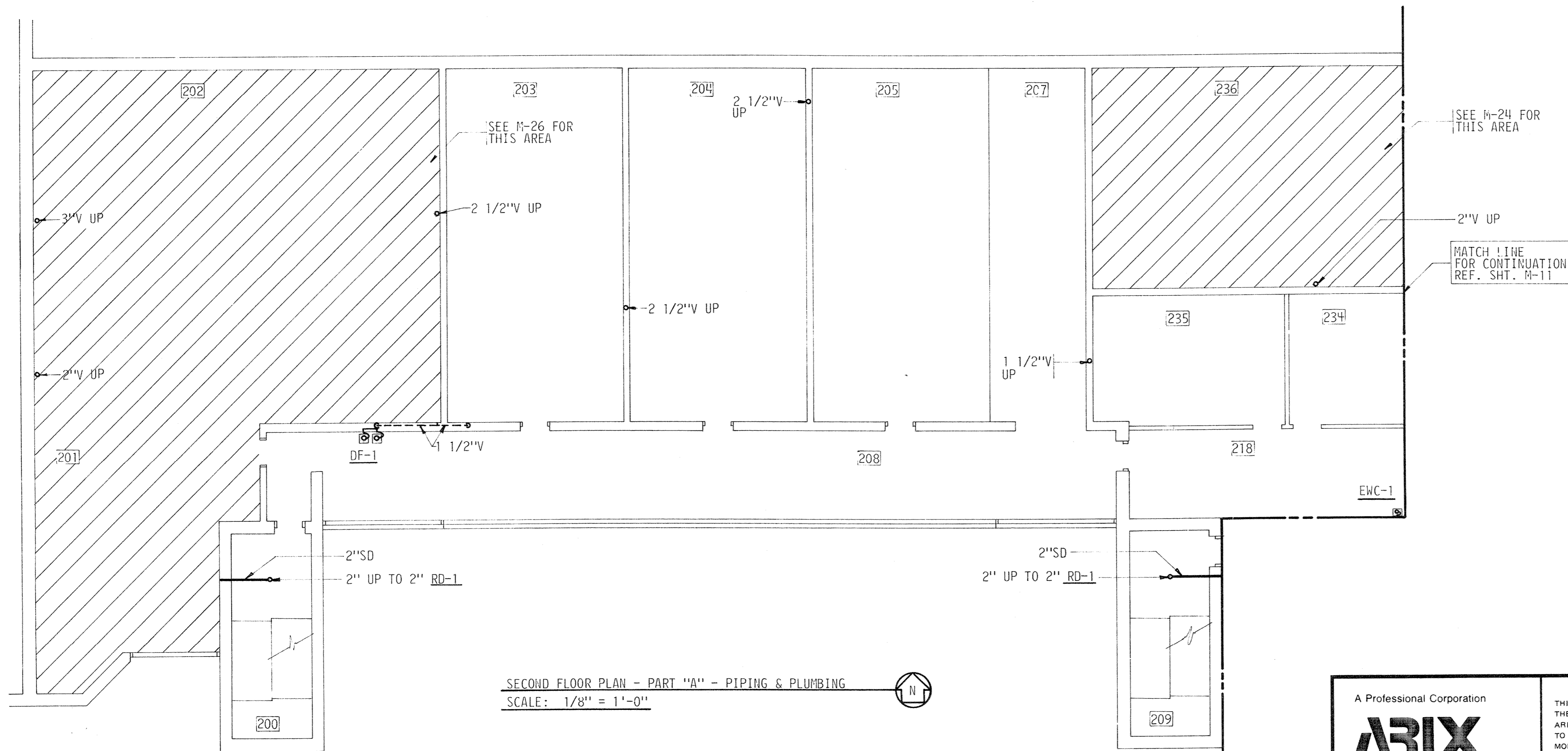
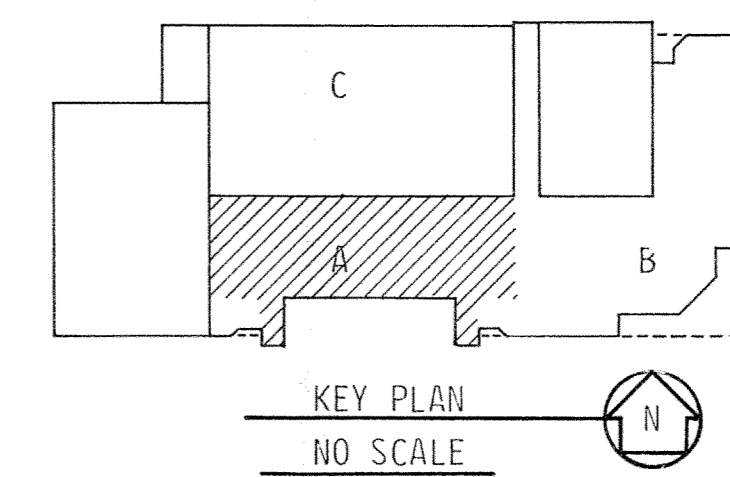
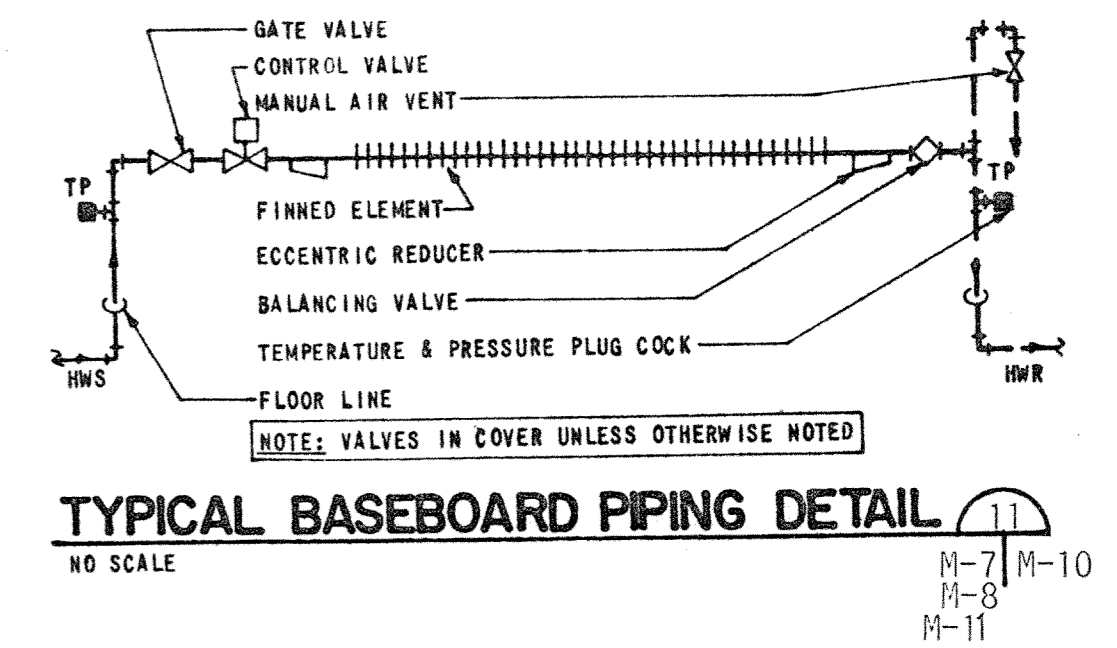
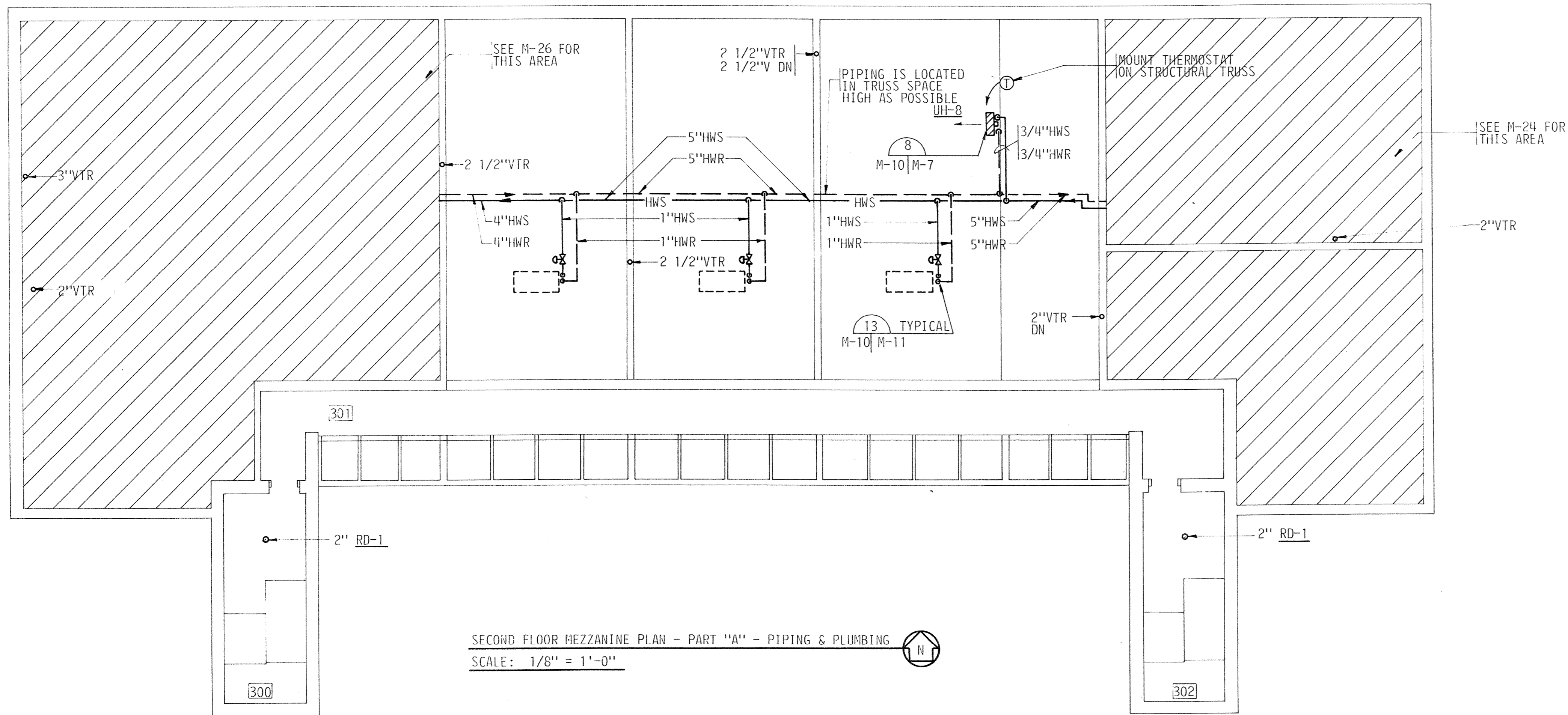
**CABINET UNIT HEATER DETAIL**  
 VERTICAL MOUNTING  
 NO SCALE  
 10  
 M-6 | M-9  
 M-7  
 M-8

FIRST FLOOR PLAN - PART "C" - PIPING & PLUMBING  
 SCALE: 1/8" = 1'-0"

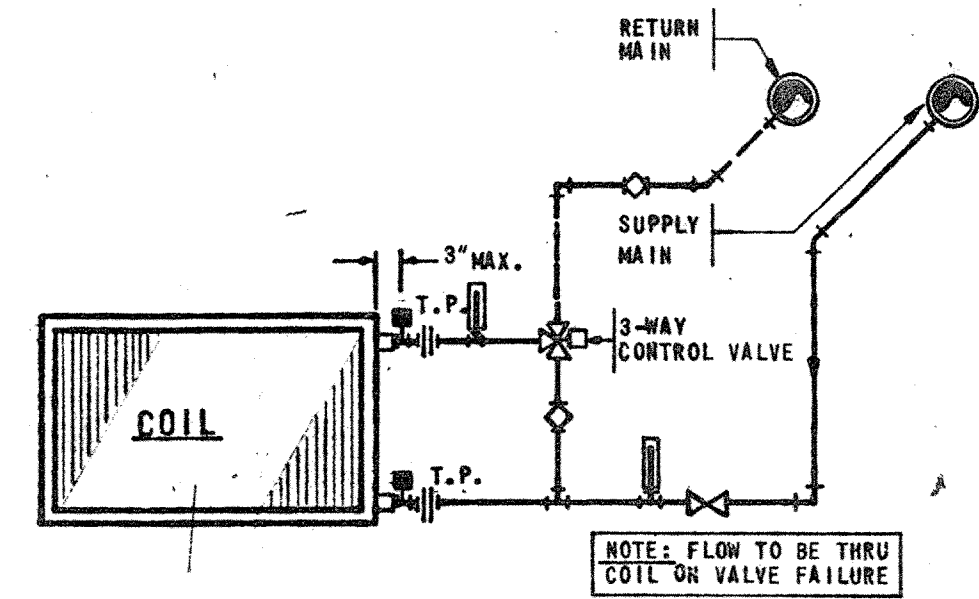
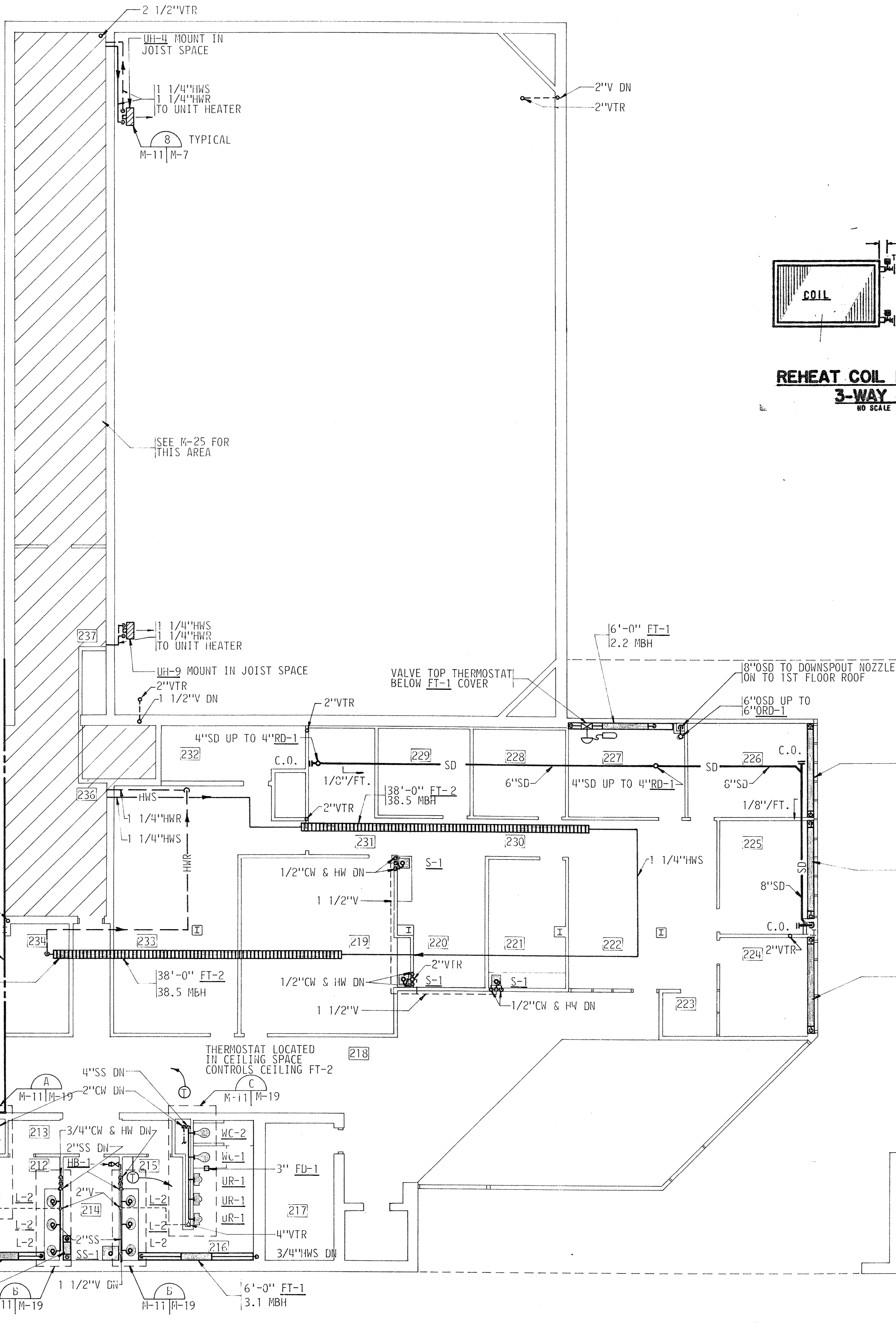
**WORK NOTES (THIS SHEET ONLY):**  
 MOUNT IRH UNITS AS LEVEL WITH BOTTOM OF JOISTS AS POSSIBLE. TILT UNITS 15° TOWARD WALL. PROVIDE 12" MIN. OF FLEXIBLE 1/2" GAS LINE TO HEATER. MOUNT PER MFGRS. RECOMMENDATIONS.



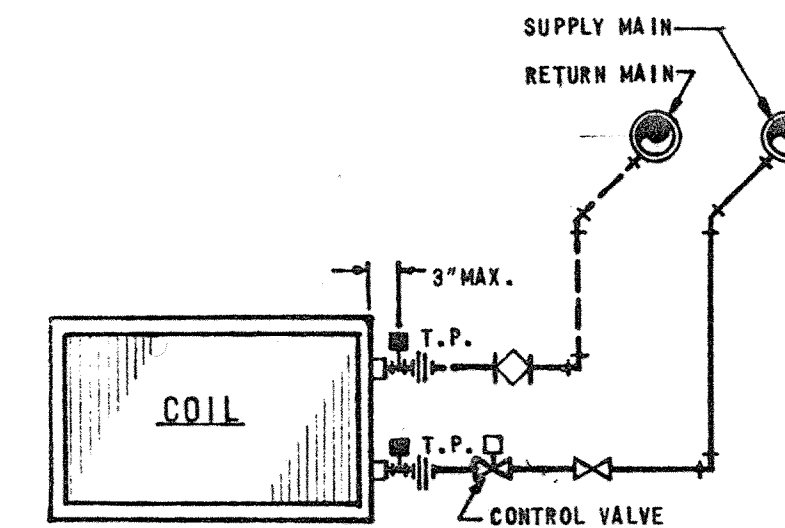
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DATE AUG. 4, 1983 PROJECT NO. 82183.00		M-9	



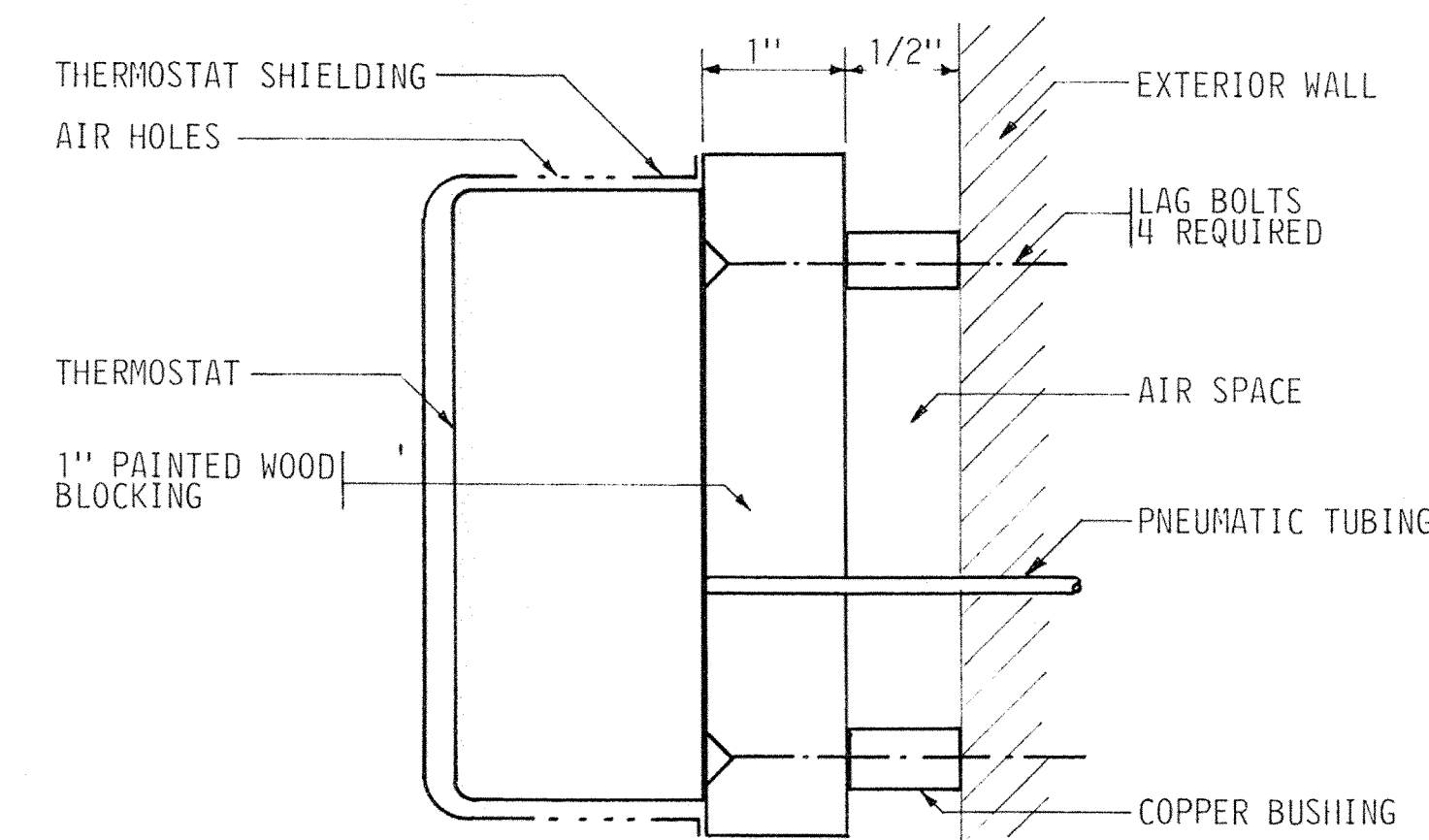
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		DRAWN	JRJ		
		CHECKED	JCH		
		APPROVED	JCH		
DATE	AUG. 4, 1983				
PROJECT NO.	82183.00				



**REHEAT COIL INSTALLATION WITH 3-WAY CONTROL VALVE**  
NO SCALE M-10/M-11

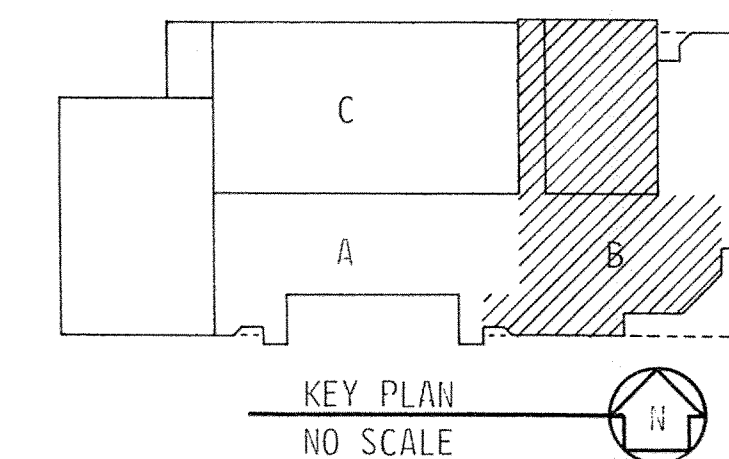


**REHEAT COIL INSTALLATION WITH 2-WAY CONTROL VALVE**  
NO SCALE M-27/M-11

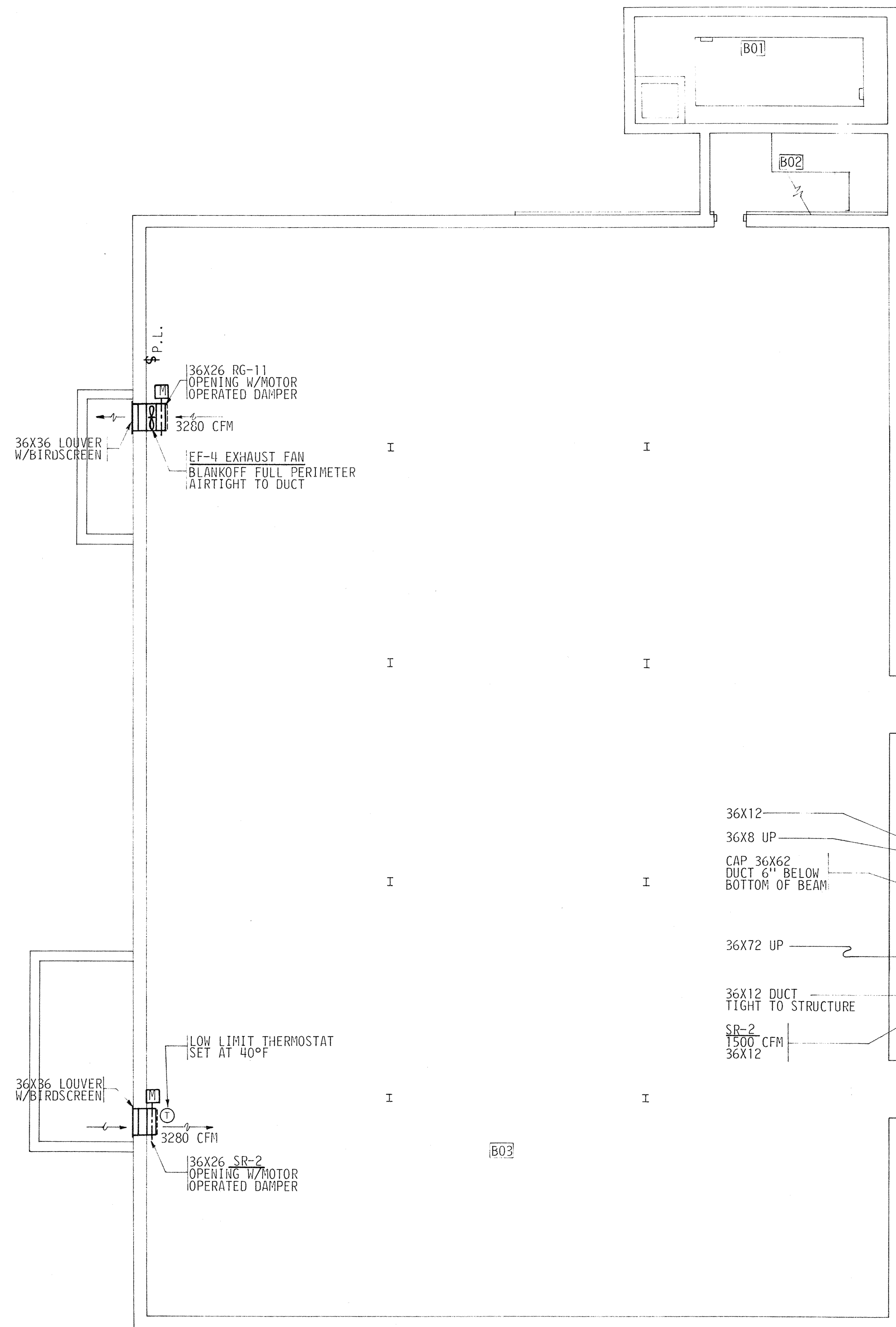


**THERMOSTAT ISOLATION BASE DETAIL**  
NO SCALE M-9/M-11

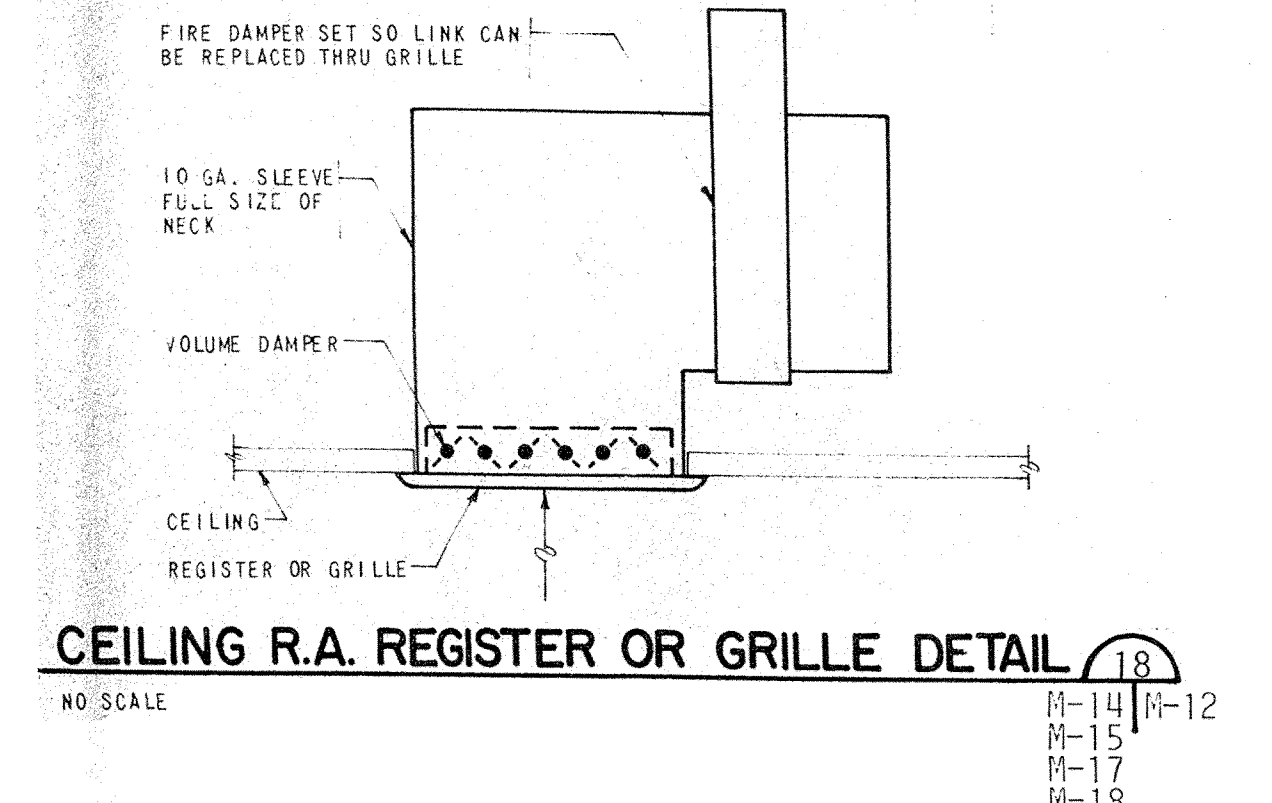
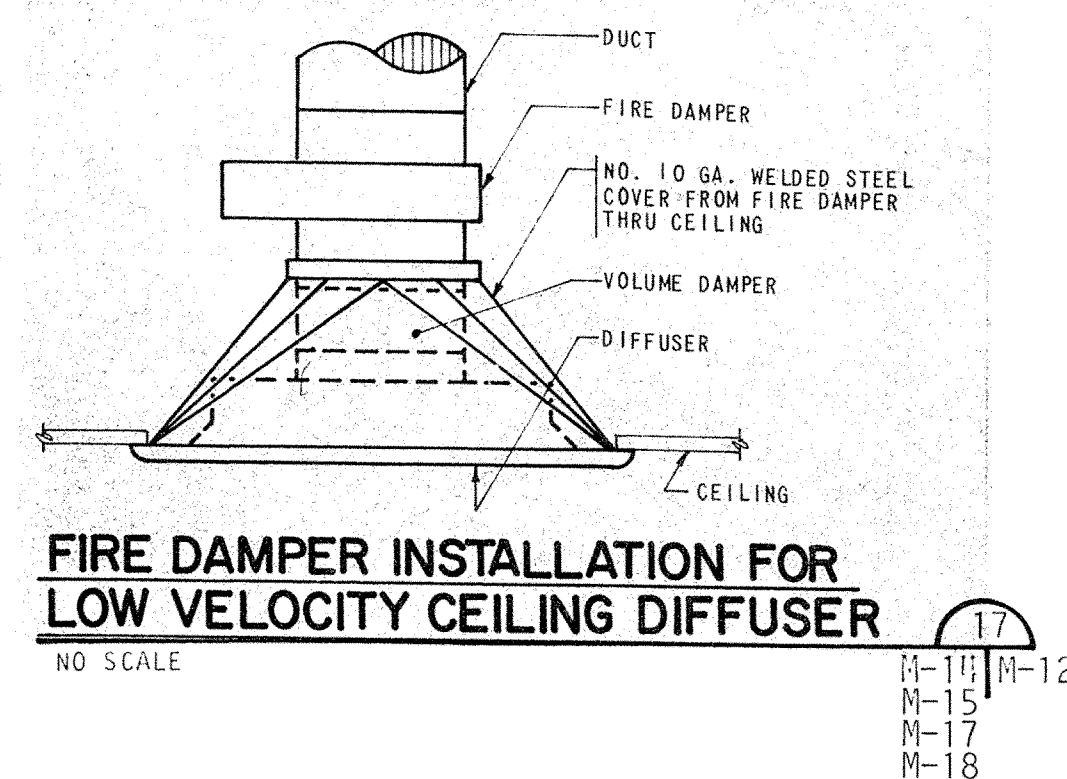
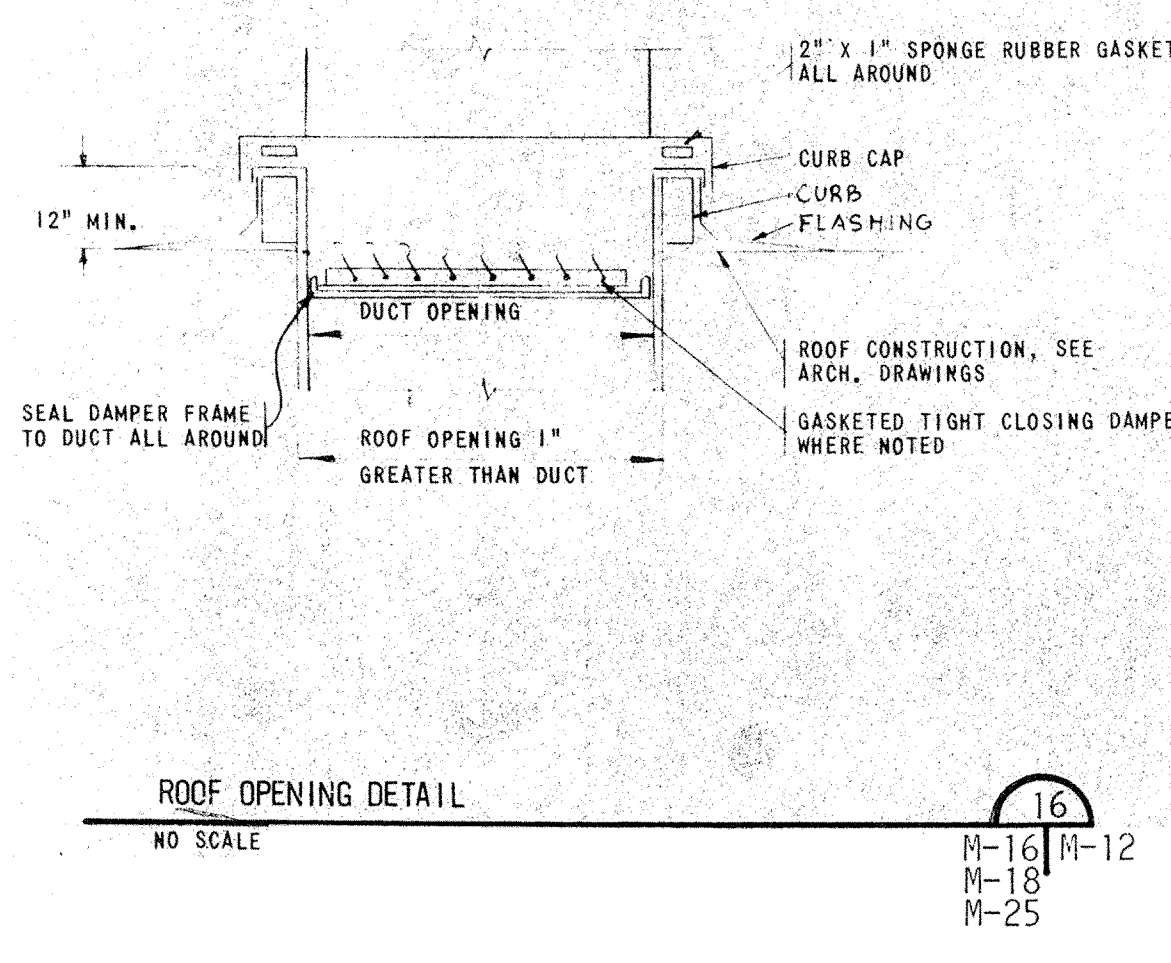
**SECOND FLOOR PLAN - PART "B" - PIPING & PLUMBING**  
SCALE: 1/8" = 1'-0"



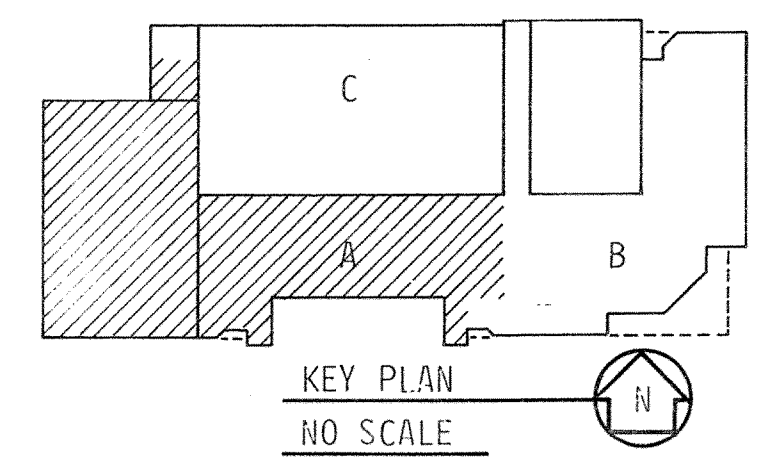
A Professional Corporation <b>ARIX</b> Engineers Architects Planners Greeley, Colorado Grand Junction, Colorado Riverton, Wyoming	THIS DRAWING IS THE PROPERTY OF ARIX, AND IS NOT TO BE REPRODUCED, MODIFIED OR USED FOR ANY OTHER PROJECT OR EXTENSION OF THIS PROJECT EXCEPT BY AGREEMENT WITH SAID COMPANY.	SCALE: 1/8" = 1'-0"	COMMUNITY CENTER FOR RECREATION GREELEY COLORADO
		DRAWN: JJK CHECKED: JCH APPROVED: JCH	
DATE: AUG. 4, 1983 PROJECT NO. 82,831.00		M-11	



NOTE: CURBS FOR EVAPORATIVE COOLERS  
& MAKE UP UNITS SHALL BE SIMILAR.



BASEMENT FLOOR PLAN - PART "A" - HVAC  
SCALE: 1/8" = 1'-0"



A Professional Corporation

**ARIX**

Engineers Architects Planners

Greeley, Colorado  
Grand Junction, Colorado  
Riverton, Wyoming

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SION OF THIS PRO-  
JECT EXCEPT BY  
AGREEMENT WITH  
SAID COMPANY.

SCALE 1/8" = 1'-0"

DRAWN JKJ

CHECKED JCH

APPROVED JCH

DATE AUG. 4, 1983

PROJECT NO. 82183.00

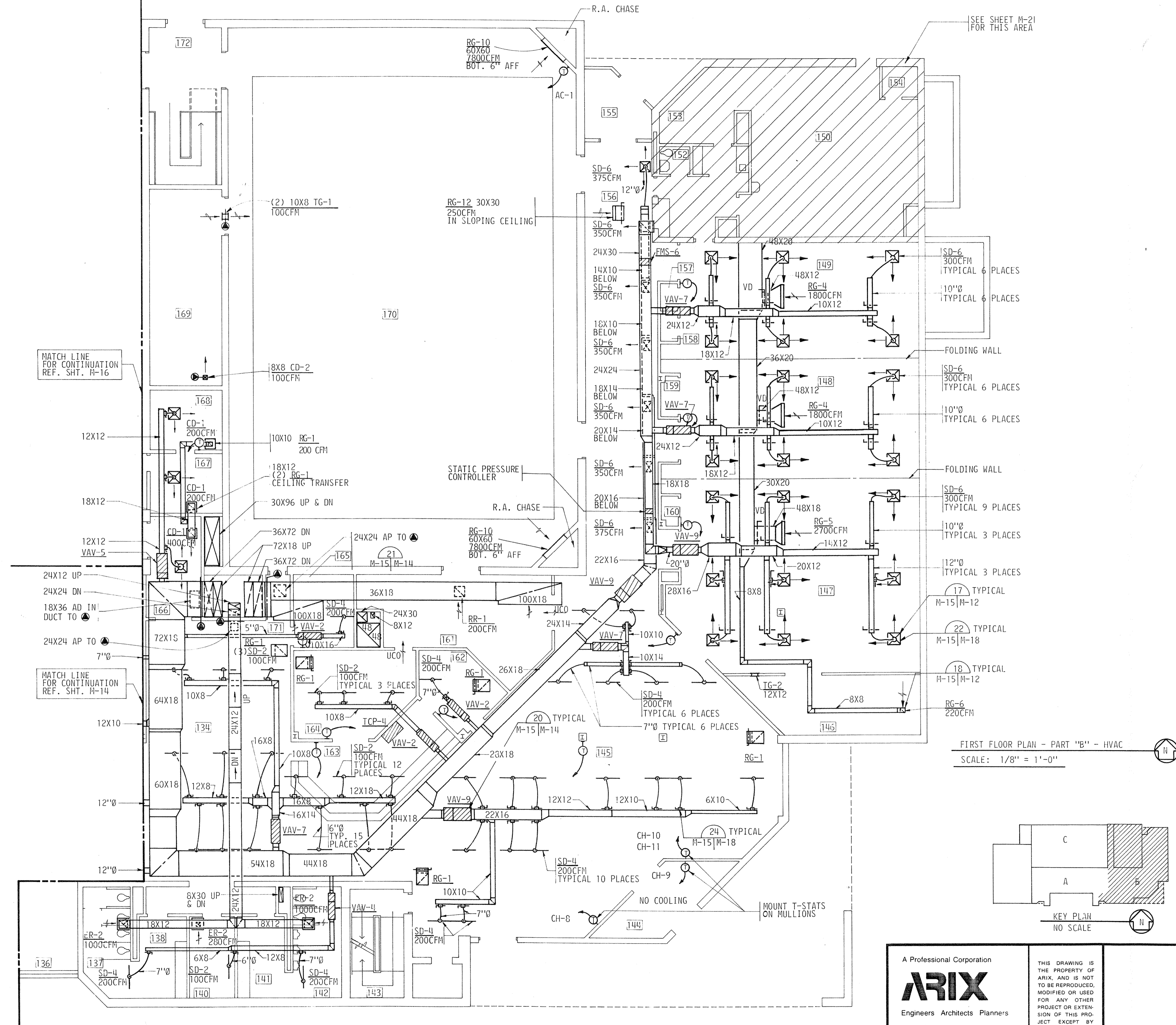
COMMUNITY CENTER  
FOR  
RECREATION

GREELEY COLORADO

BASEMENT FLOOR PLAN - PART "A"  
HVAC

M-12





FIRST FLOOR PLAN - PART "B" - HVAC  
 SCALE: 1/8" = 1'-0"

GENERAL NOTES:  
 1. ALL CEILING DIFFUSERS, GRILLES AND REGISTERS ON THIS SHEET SHALL BE FIRE DAMPERED.

<b>ARIX</b> A Professional Corporation Engineers Architects Planners Greeley, Colorado Grand Junction, Colorado Riverton, Wyoming	THIS DRAWING IS THE PROPERTY OF ARIX, AND IS NOT TO BE REPRODUCED, MODIFIED OR USED FOR ANY OTHER PROJECT OR EXTENSION OF THIS PROJECT EXCEPT BY AGREEMENT WITH SAID COMPANY.	SCALE 1/8" = 1'-0"	COMMUNITY CENTER FOR RECREATION GREELEY COLORADO
		DRAWN MLU CHECKED MLU APPROVED JCH	
		FIRST FLOOR PLAN - PART "B" - HVAC	
		M-15	

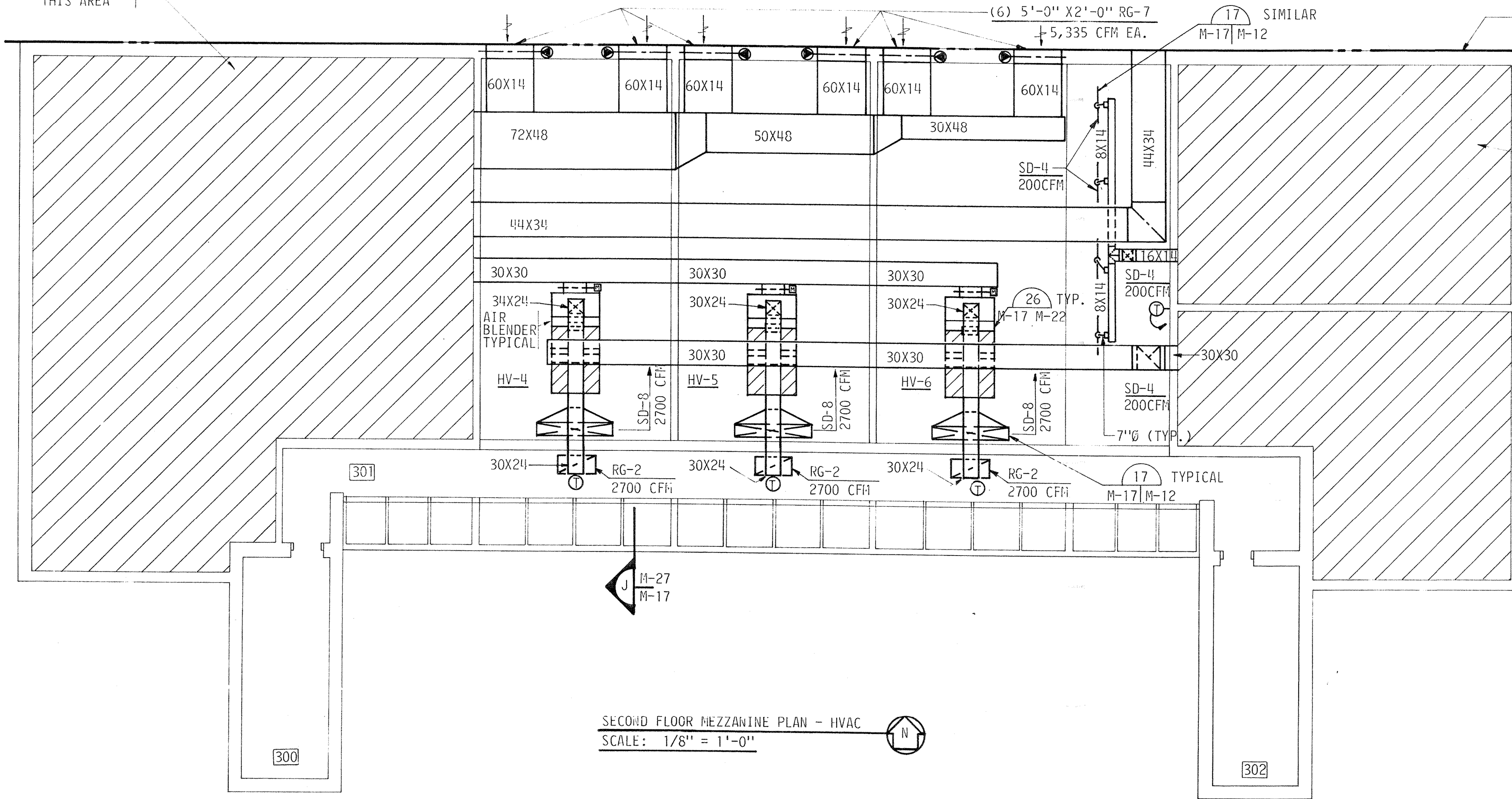


SEE M-26 FOR THIS AREA

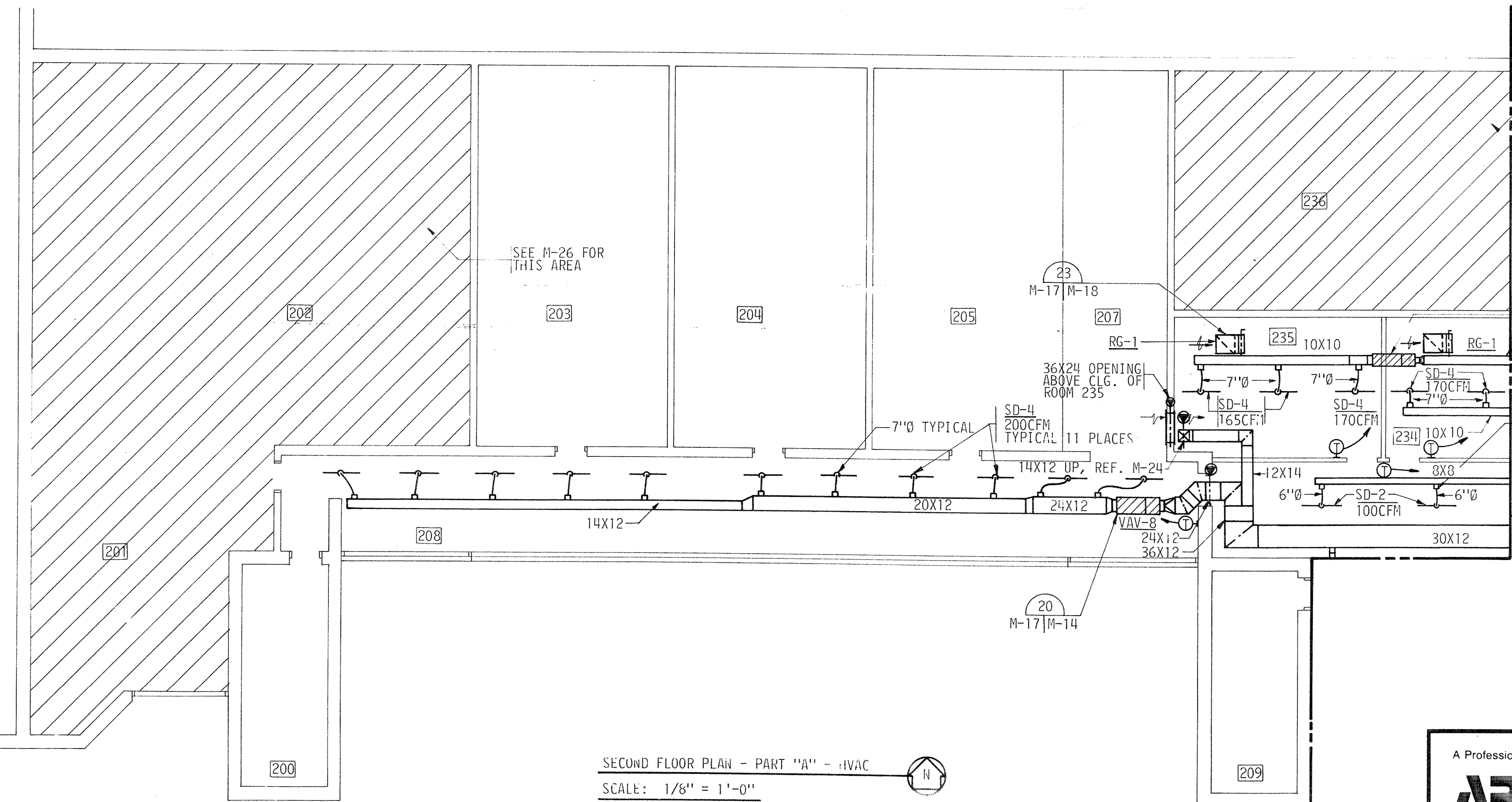
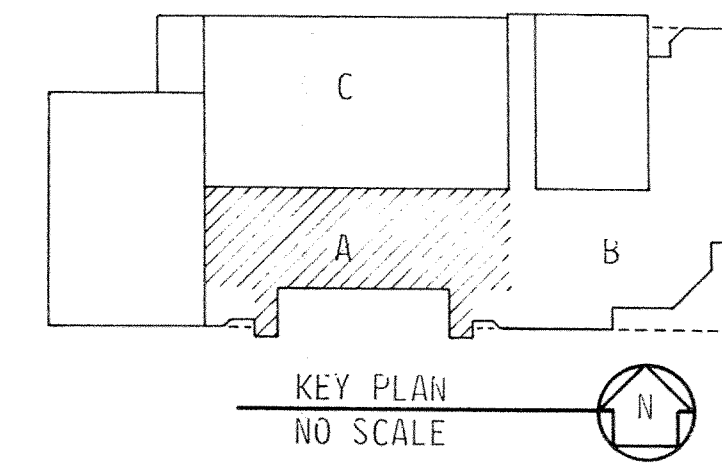
(6) 5'-0" X 2'-0" RG-7  
5,335 CFM EA.

MATCH LINE FOR CONTINUATION REF. SHT. M-16

SEE M-24 FOR THIS AREA



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



SECOND FLOOR PLAN - PART "A" - HVAC  
SCALE: 1/8" = 1'-0"

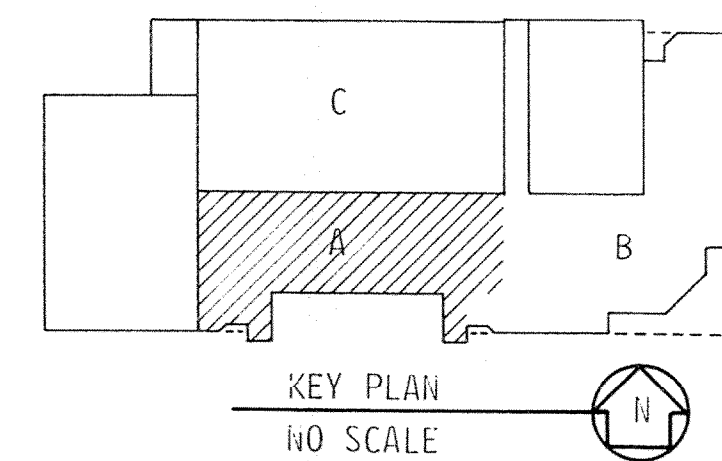
SEE M-24 FOR THIS AREA

SEE M-26 FOR THIS AREA

GENERAL NOTES:

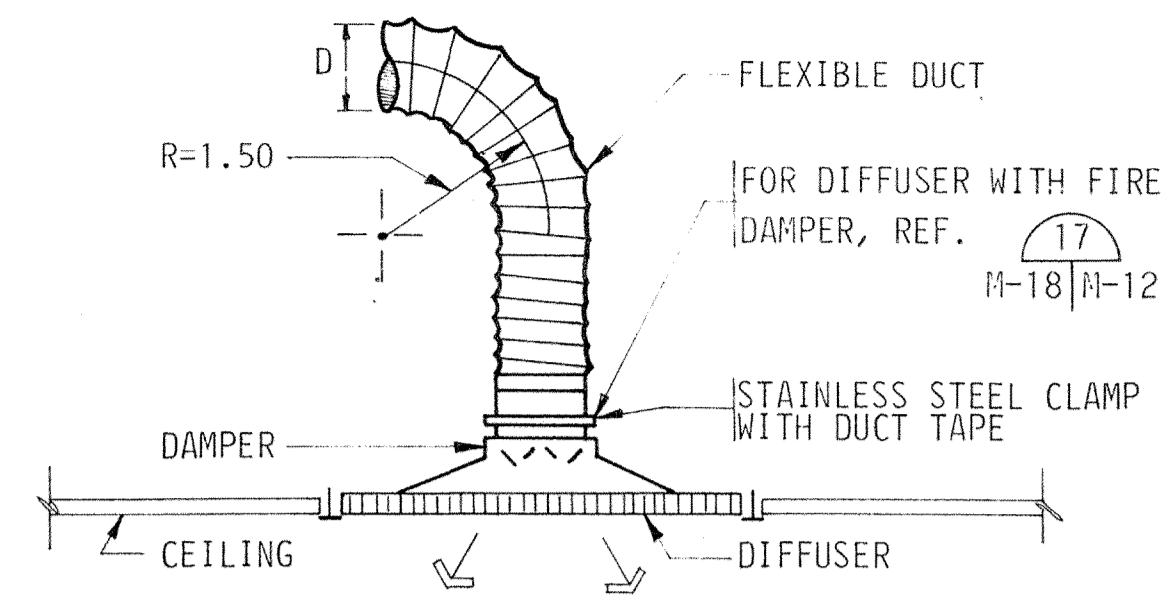
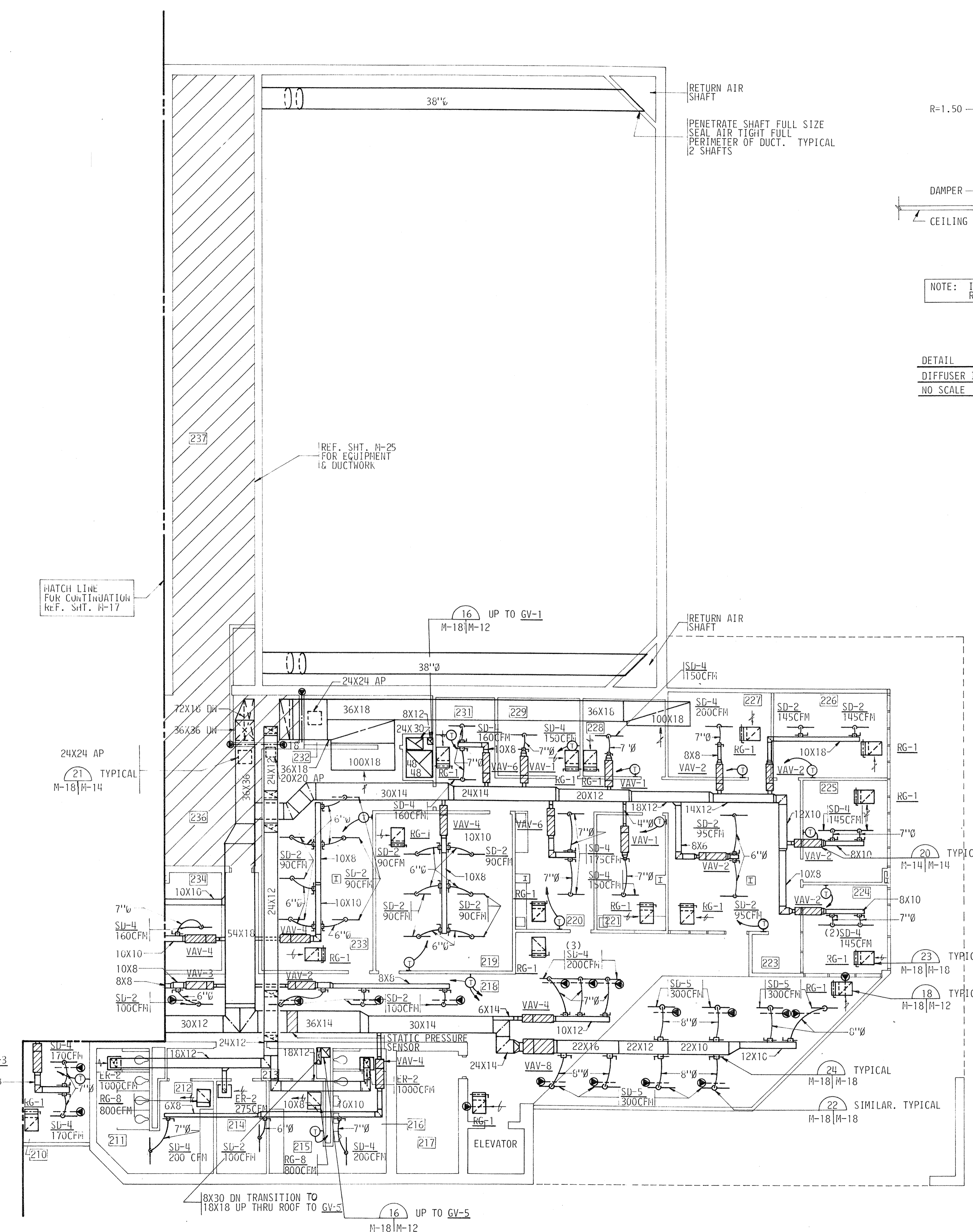
1. ALL CEILING DIFFUSERS AND GRILLES ON THIS SHEET SHALL BE FIRE DAMPERED. (EXCEPT IN ROOMS 234, 235).

MATCH LINE FOR CONTINUATION REF. SHEET M-18



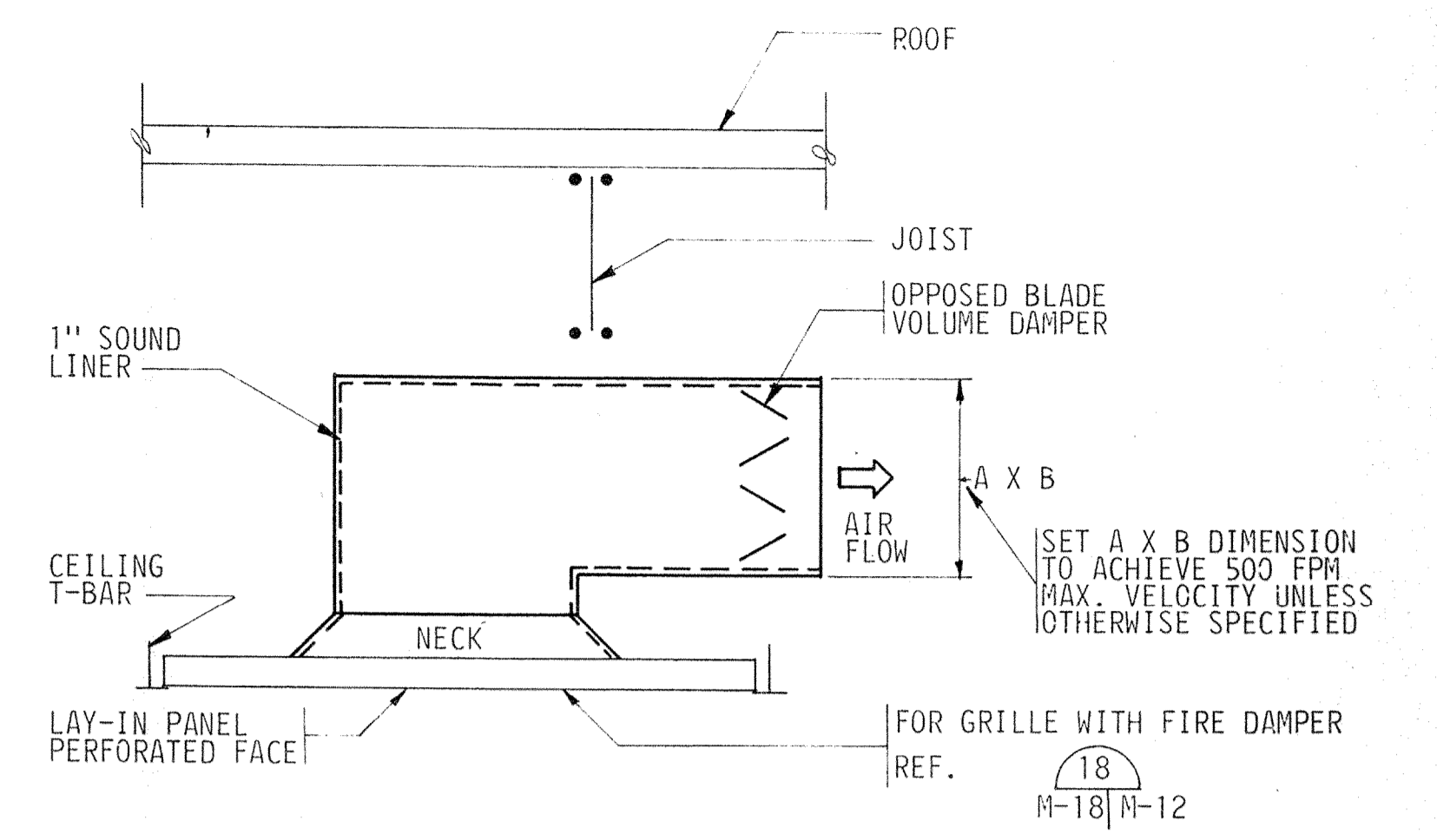
A Professional Corporation <b>ARIX</b> Engineers Architects Planners Greeley, Colorado Grand Junction, Colorado Riverton, Wyoming	THIS DRAWING IS THE PROPERTY OF ARIX, AND IS NOT TO BE REPRODUCED, MODIFIED OR USED FOR ANY OTHER PROJECT OR EXTENSION OF THIS PROJECT EXCEPT BY AGREEMENT WITH SAID COMPANY.	SCALE 1/8" = 1'-0"	COMMUNITY CENTER FOR RECREATION GREELEY COLORADO
		DRAWN MLU CHECKED MLU APPROVED JCH	
SECOND FLOOR PLAN - PART "A" & SECOND FLOOR MEZZANINE - HVAC			M-17



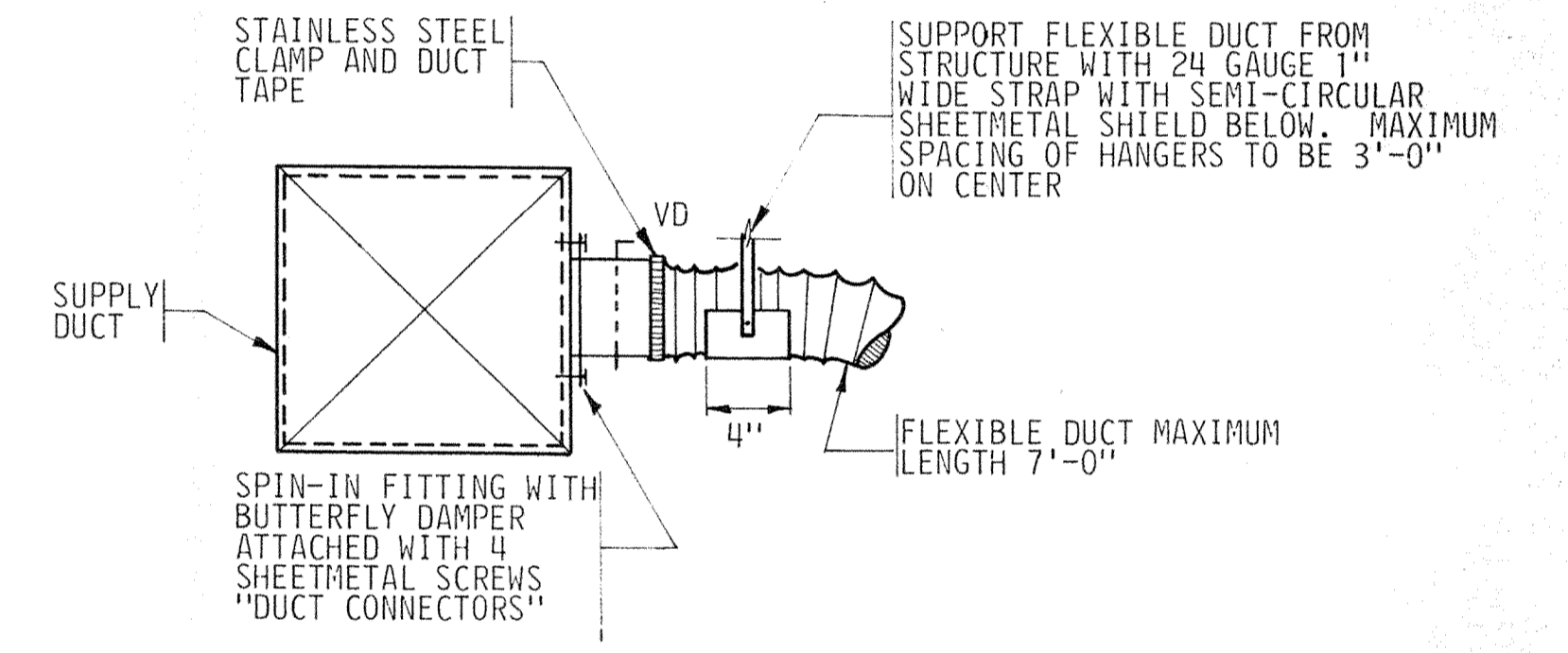


NOTE: INSTALL FIRE DAMPER WHERE REQUIRED. REFERENCE HVAC DRAWINGS

DETAIL 22  
DIFFUSER INSTALLATION  
NO SCALE  
M-14 | M-18  
M-15  
M-18



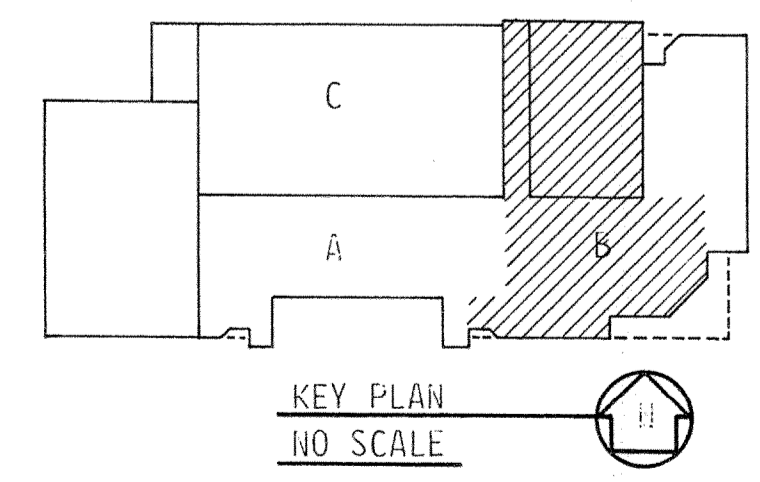
DETAIL 23  
RETURN AIR HOOD (W/O FD)  
NO SCALE  
M-14 | M-18  
M-17  
M-18



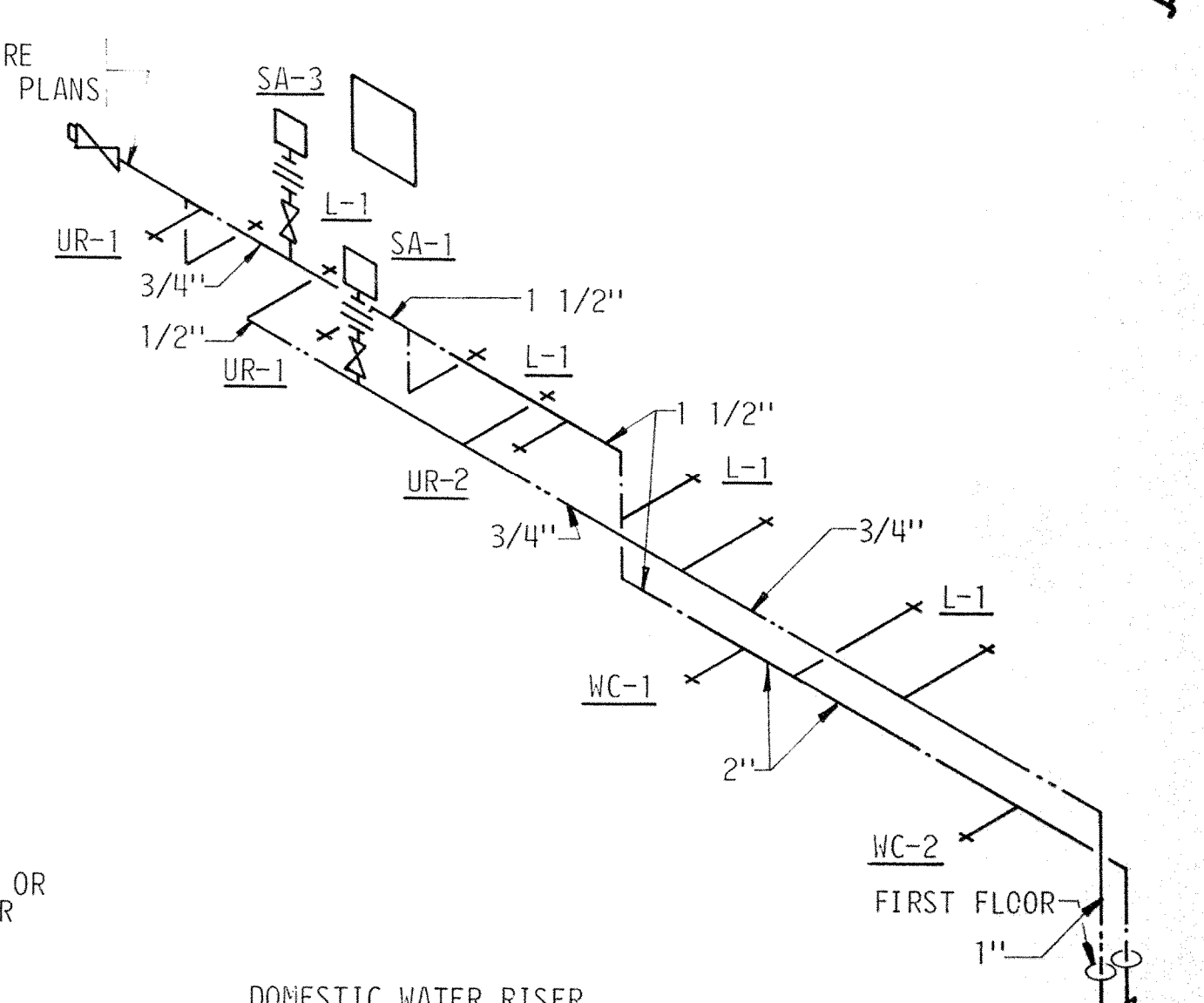
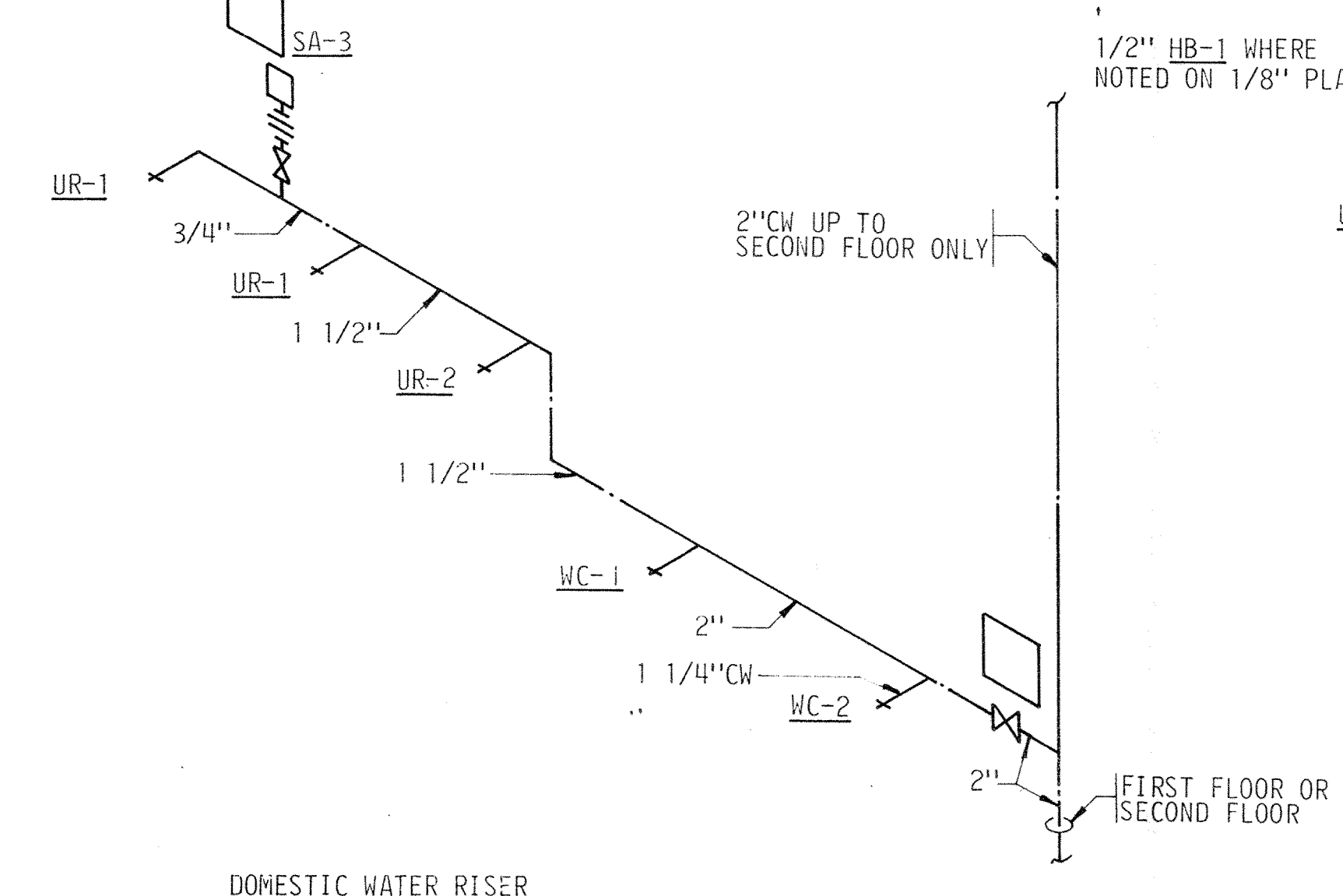
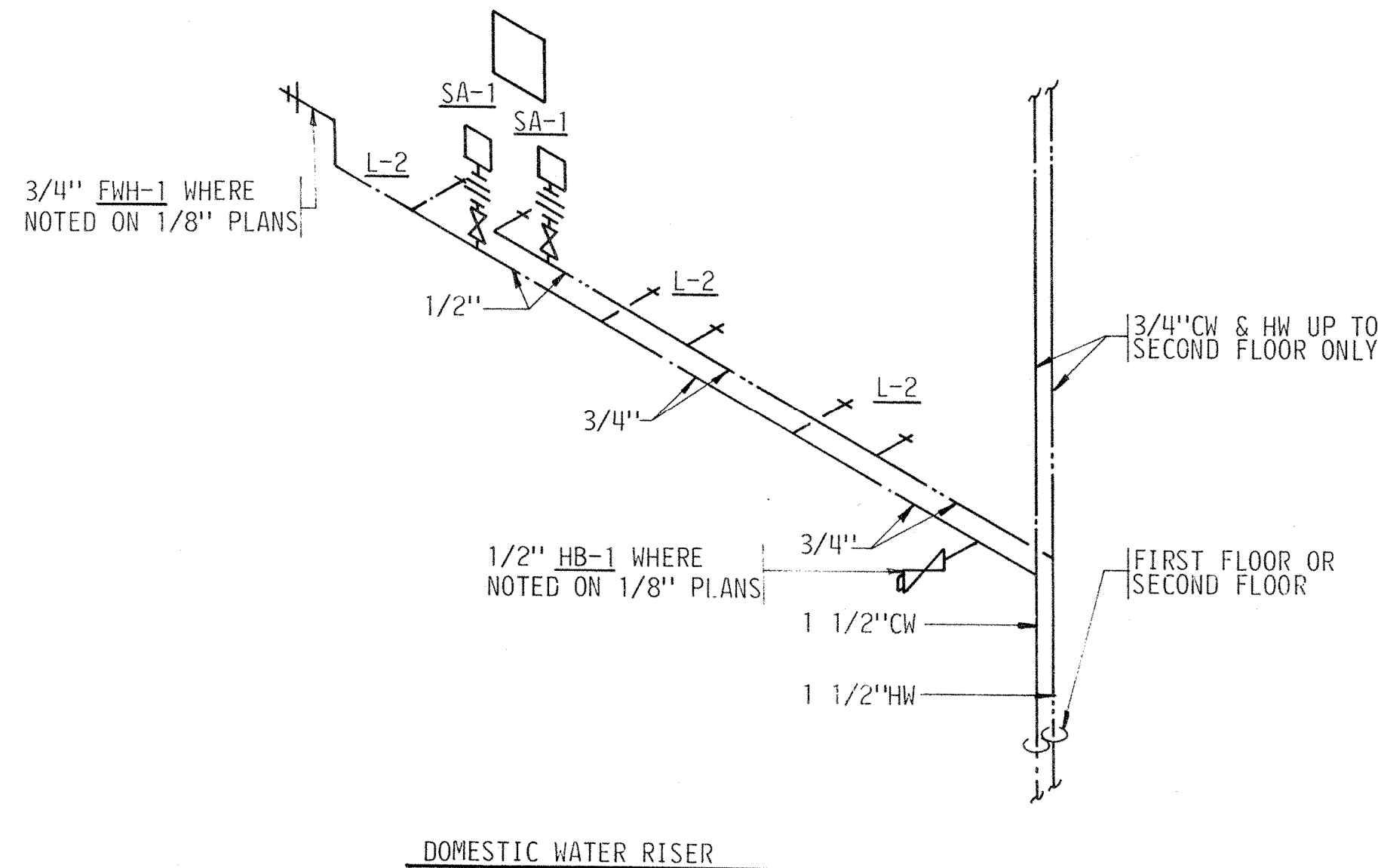
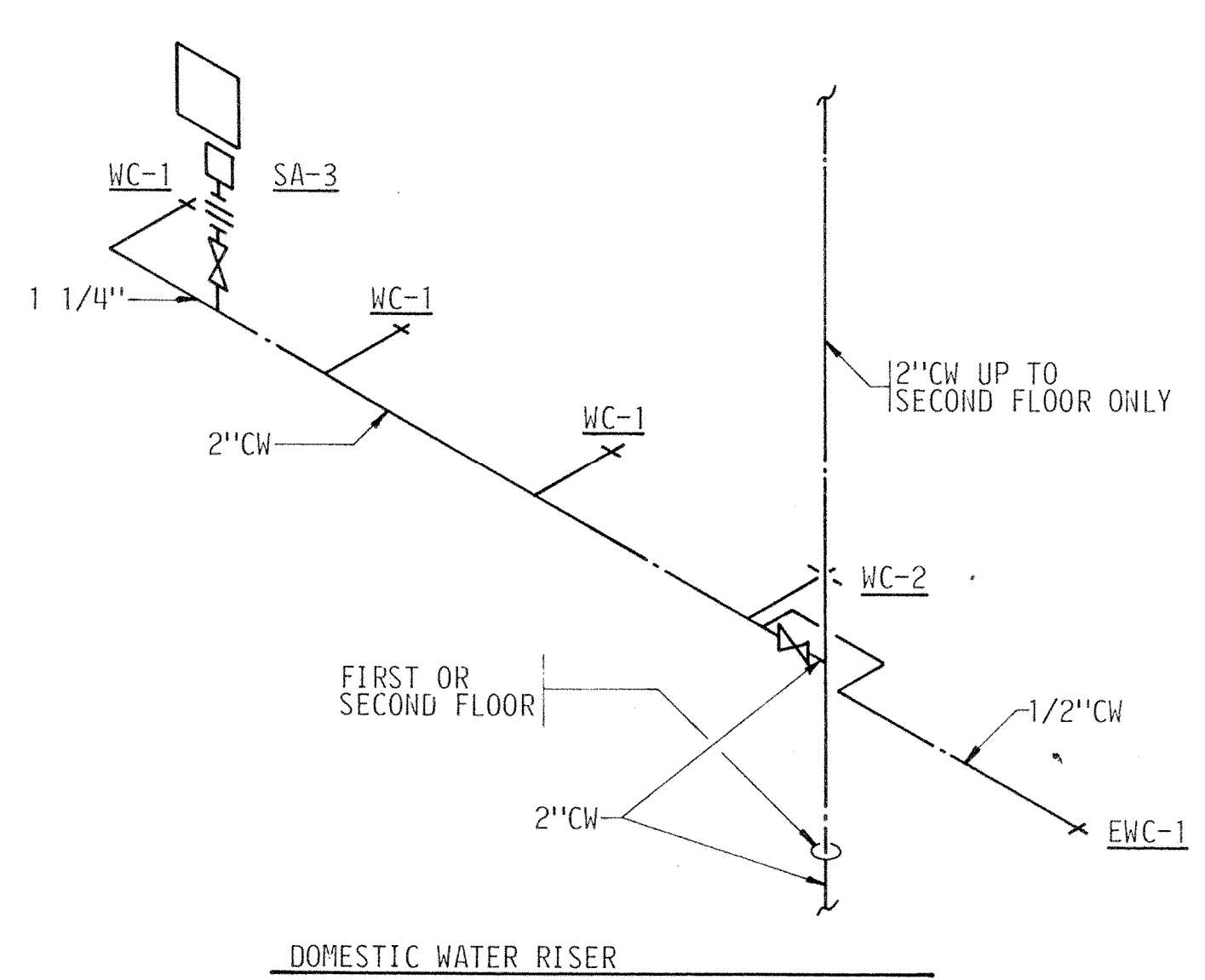
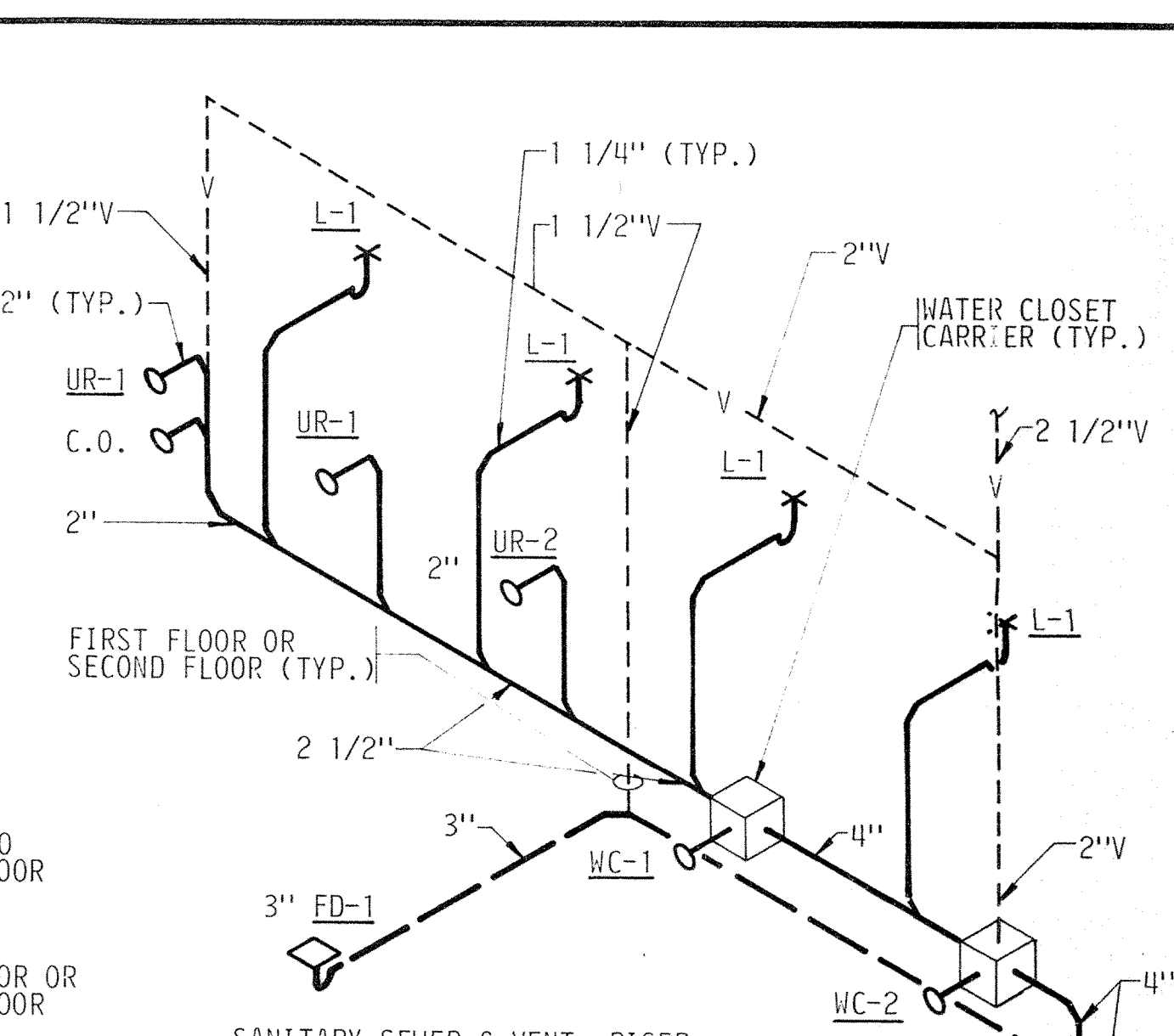
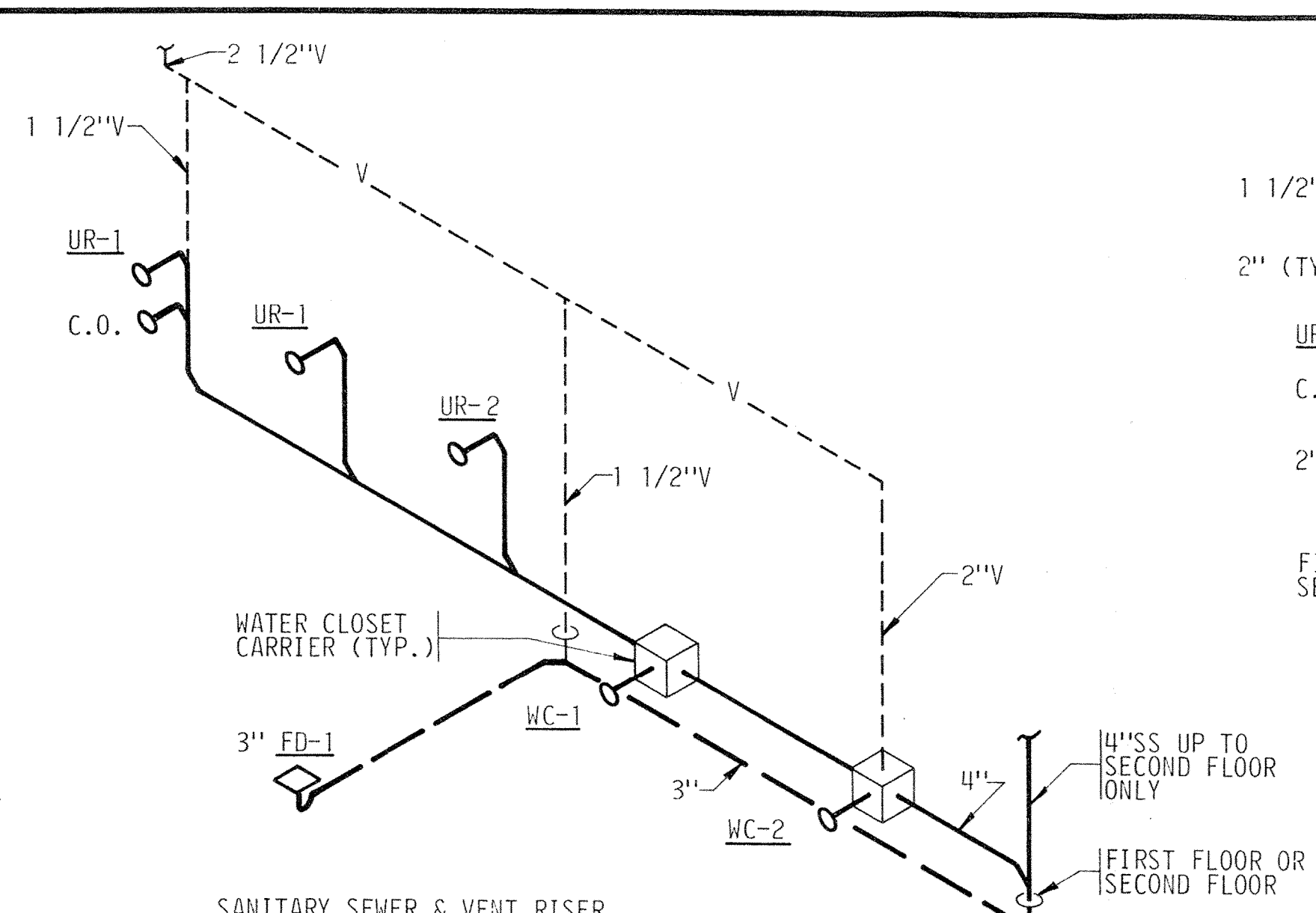
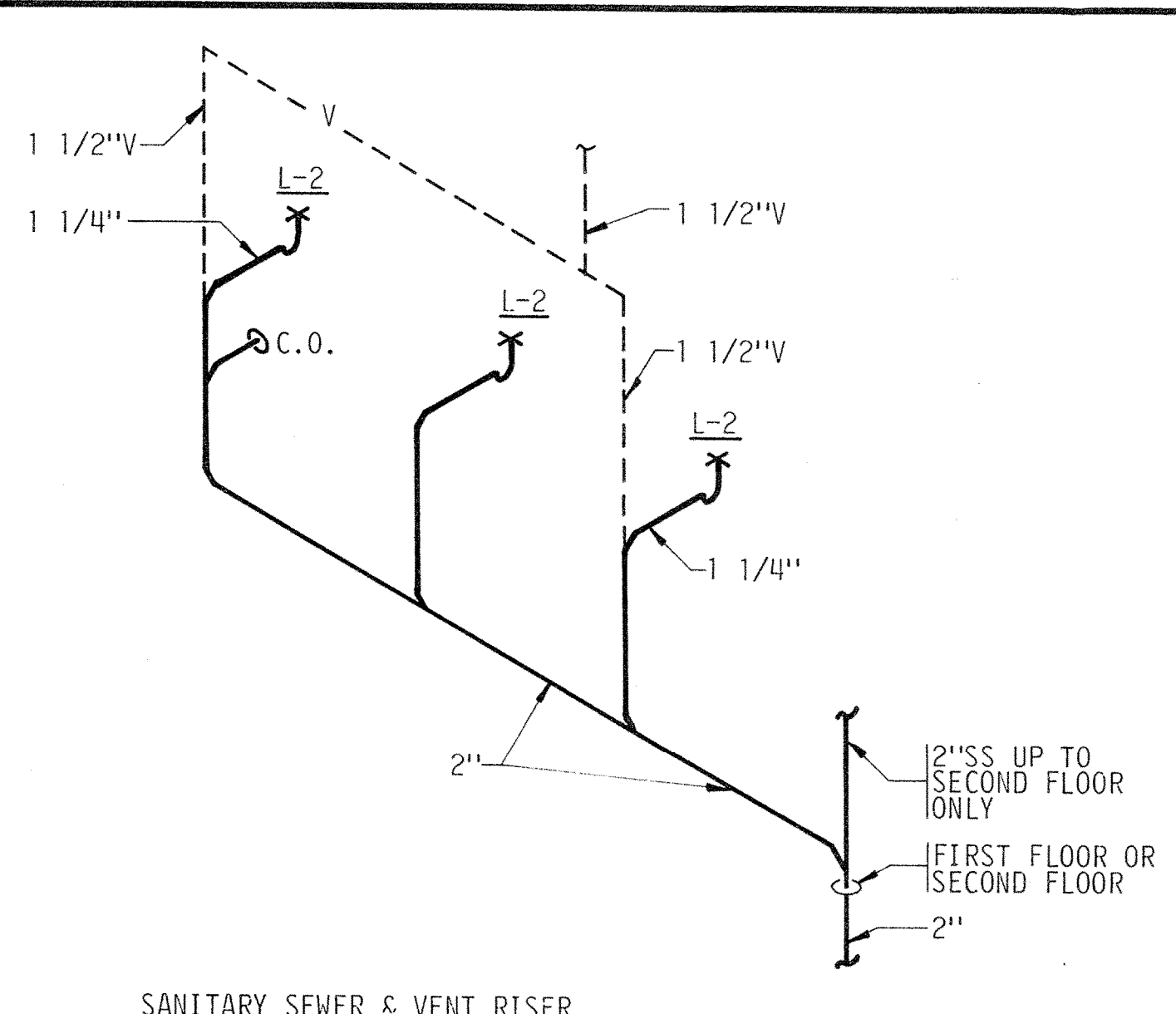
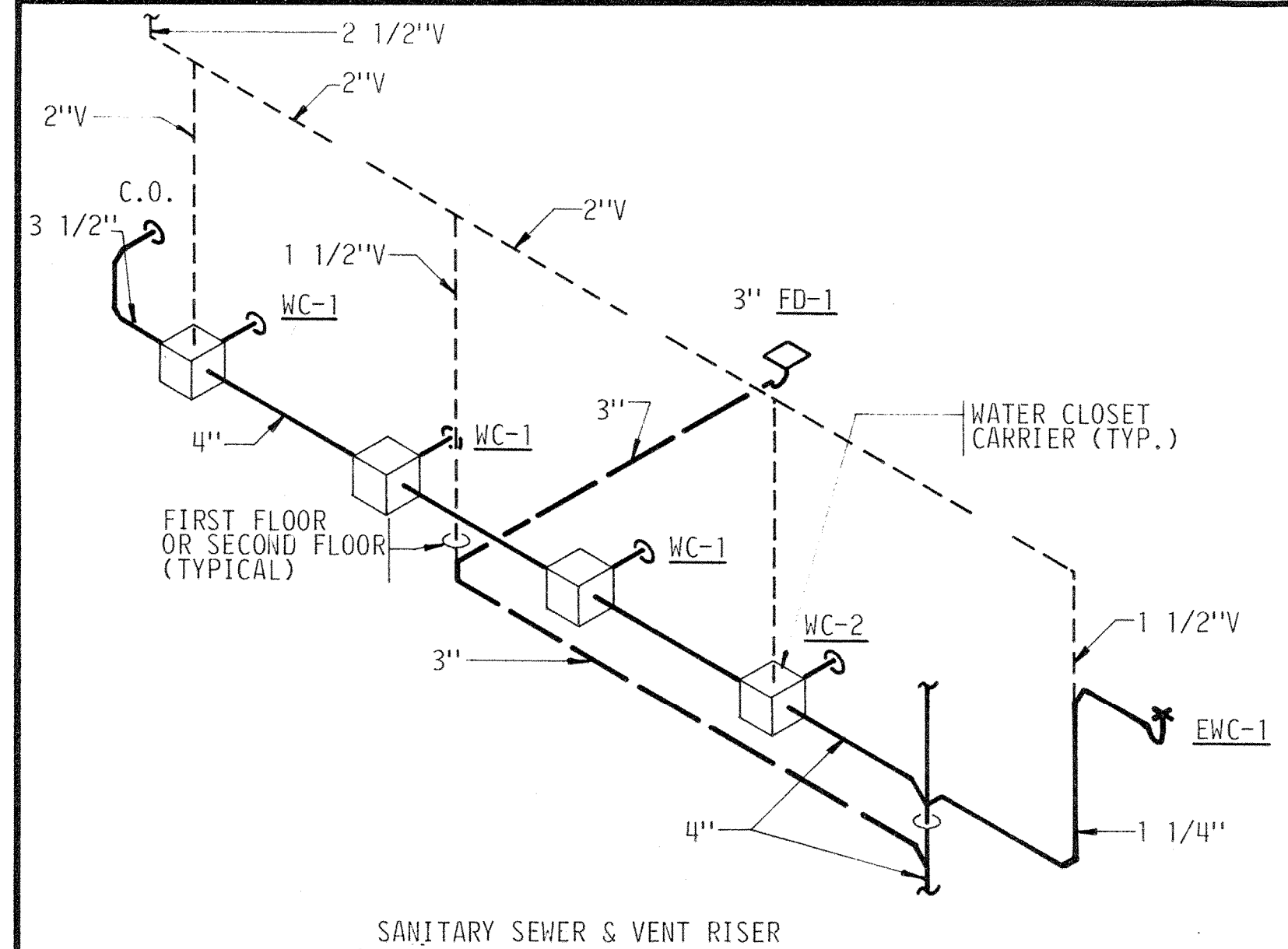
DETAIL 24  
BRANCH DUCT TAKE-OFF  
NO SCALE  
M-14 | M-18  
M-15  
M-17  
M-18

NOTES:  
1. DUCT CONNECTIONS TO VAV BOXES ARE TO BE FULL SIZE OF NYLAR BOX CONNECTOR.

SECOND FLOOR PLAN - PART "B" - HVAC  
SCALE: 1/8" = 1'-0"



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		DRAWN J.K.J. CHECKED J.C.H. APPROVED J.C.H.	
		SECOND FLOOR PLAN - PART "B" HVAC	
		M-18	

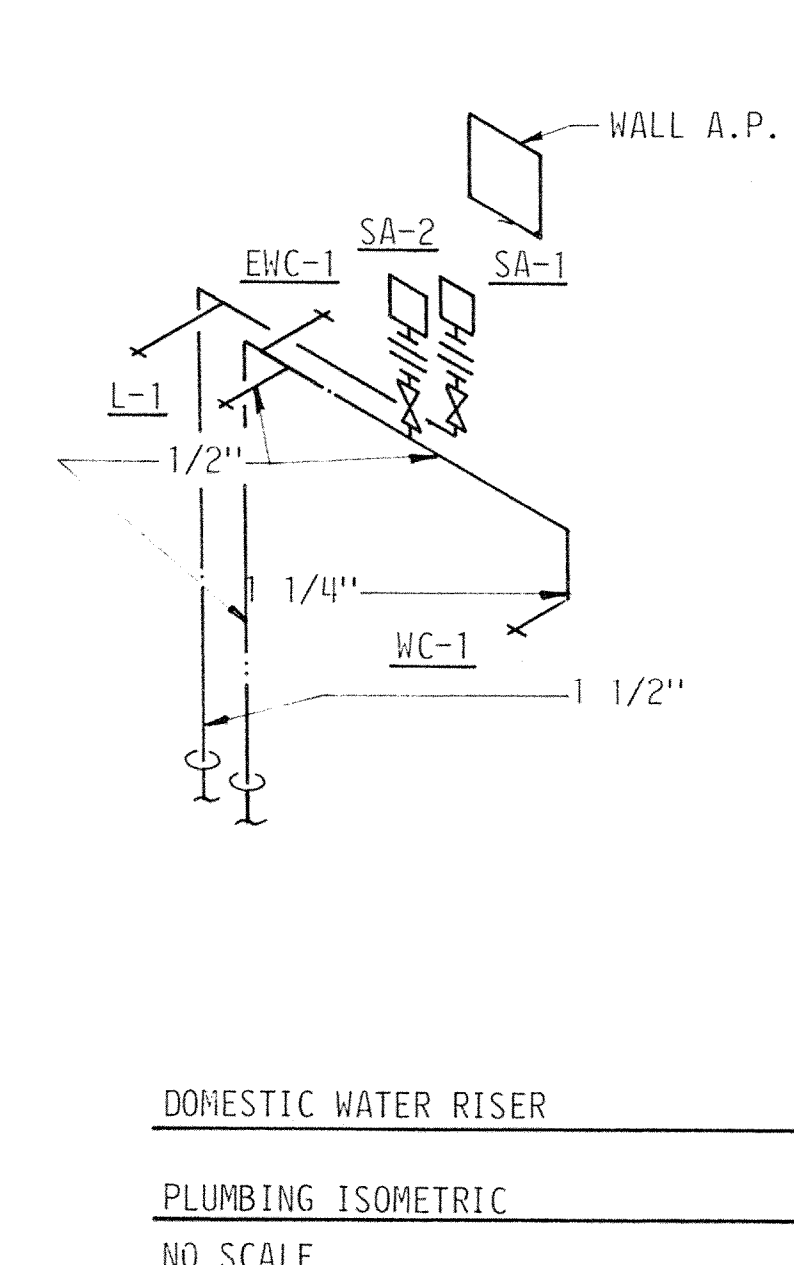
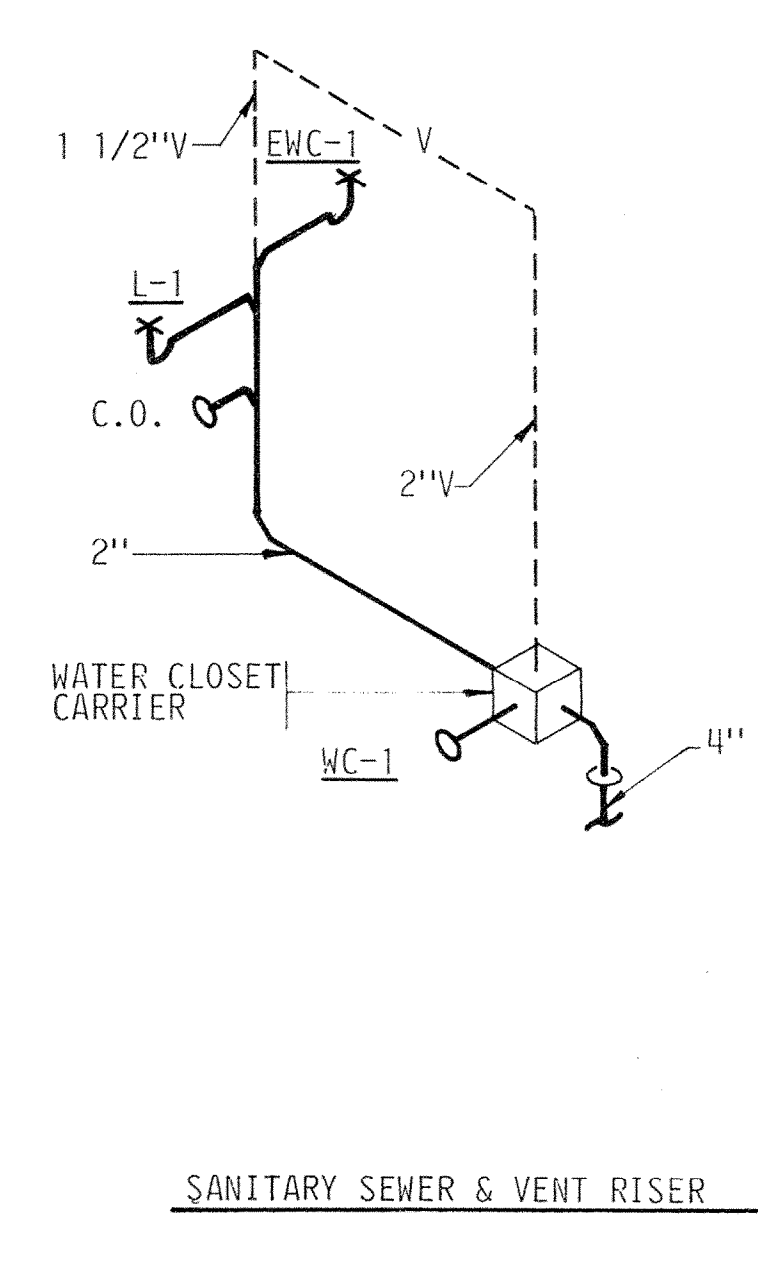
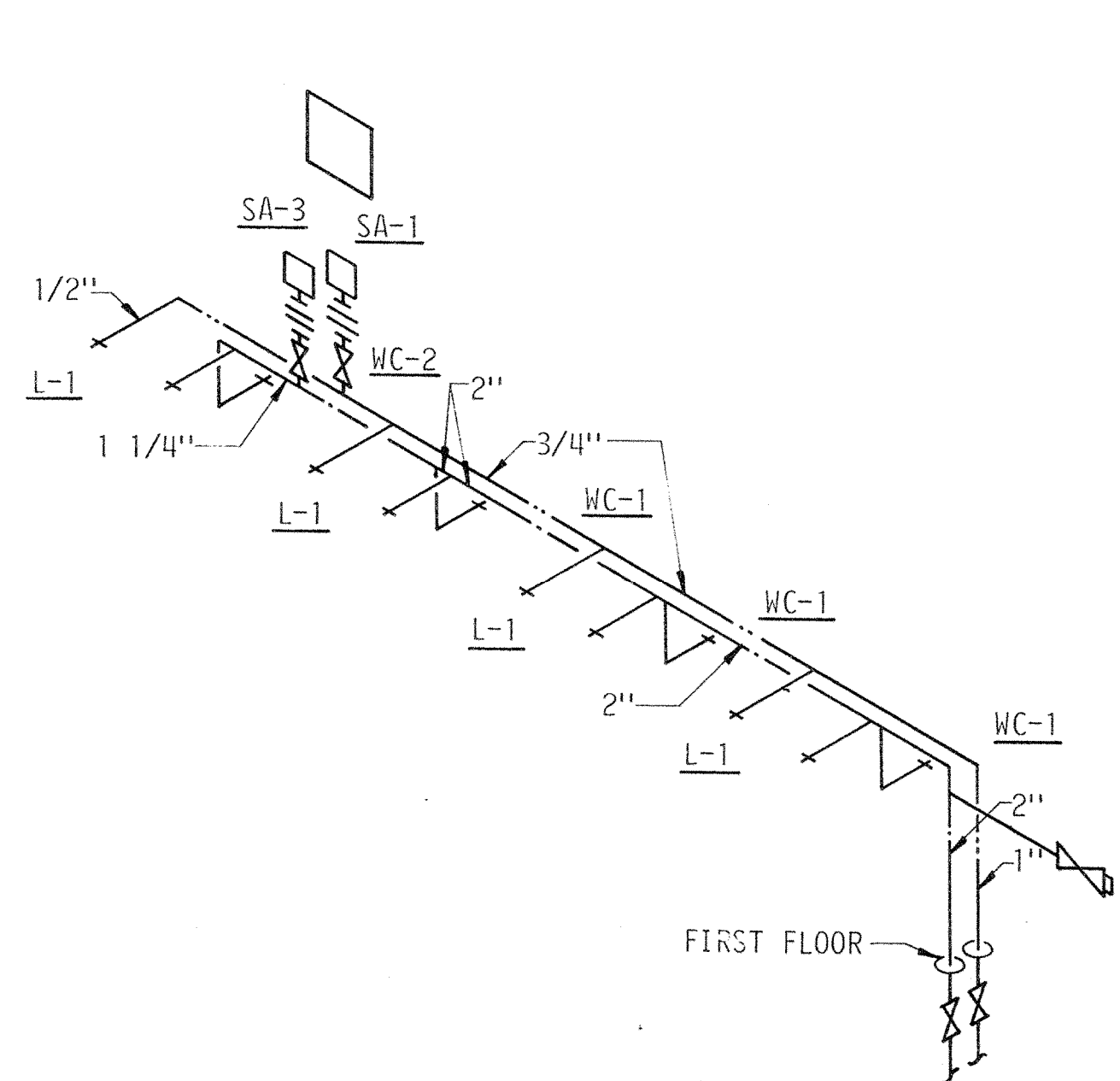
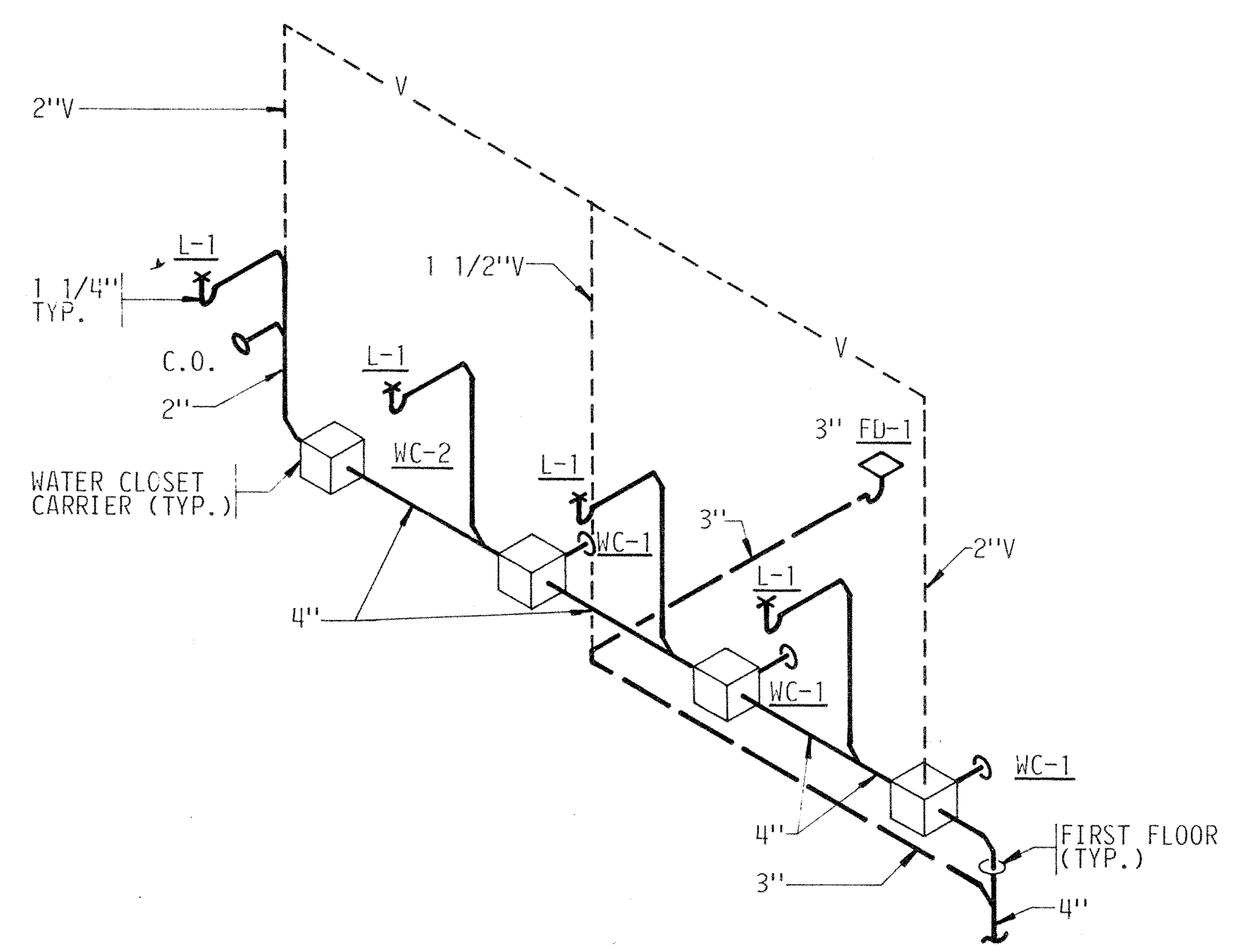


PLUMBING ISOMETRIC  
NO SCALE  
M-8 | M-19  
M-11

PLUMBING ISOMETRIC  
NO SCALE  
M-8 | M-19  
M-11

PLUMBING ISOMETRIC  
NO SCALE  
M-8 | M-19  
M-11

PLUMBING ISOMETRIC  
NO SCALE  
M-7 | M-19

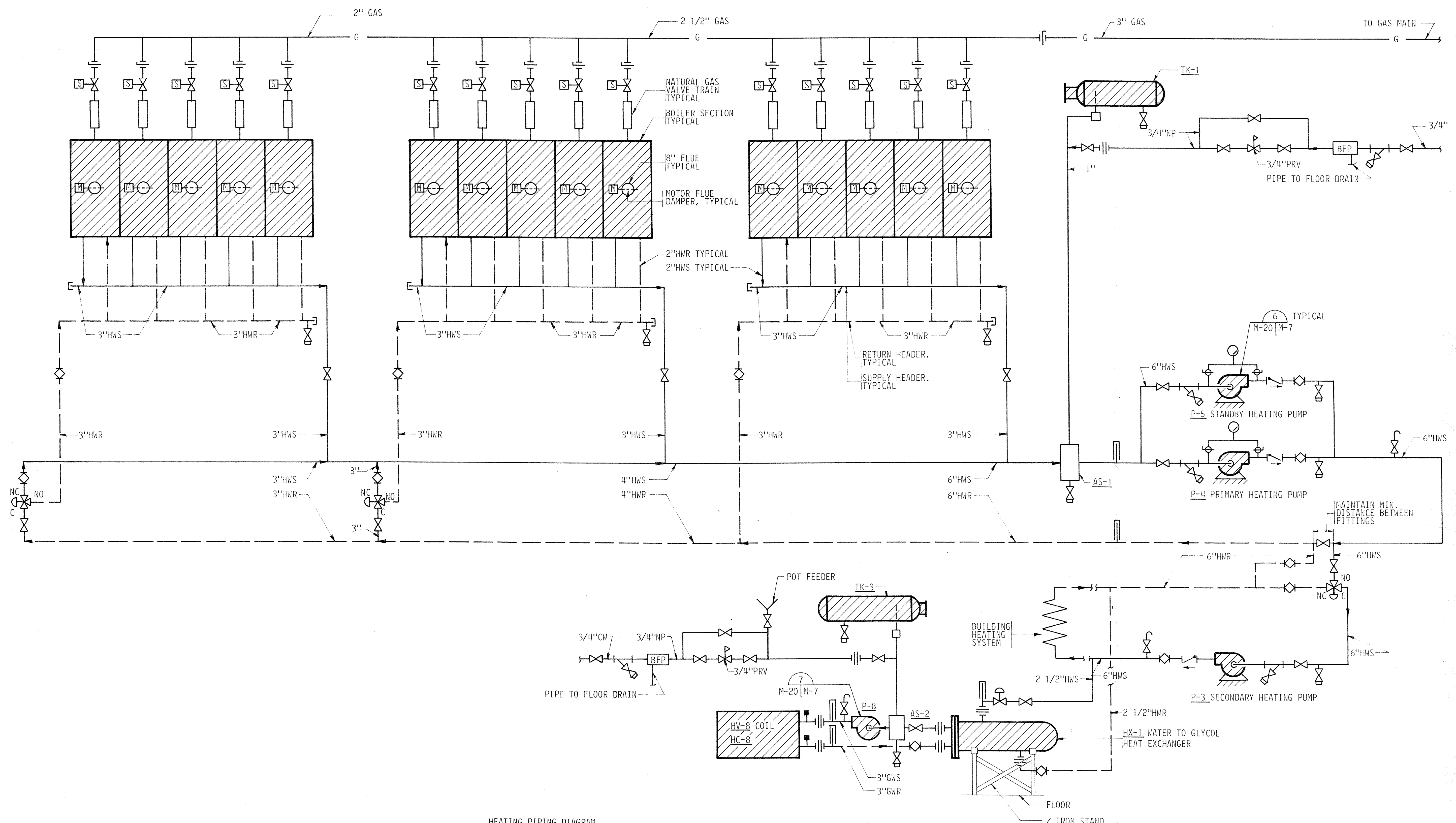


PLUMBING ISOMETRIC  
NO SCALE  
M-7 | M-19

PLUMBING ISOMETRIC  
NO SCALE  
M-7 | M-19

PLUMBING ISOMETRIC  
NO SCALE  
M-21 | M-19

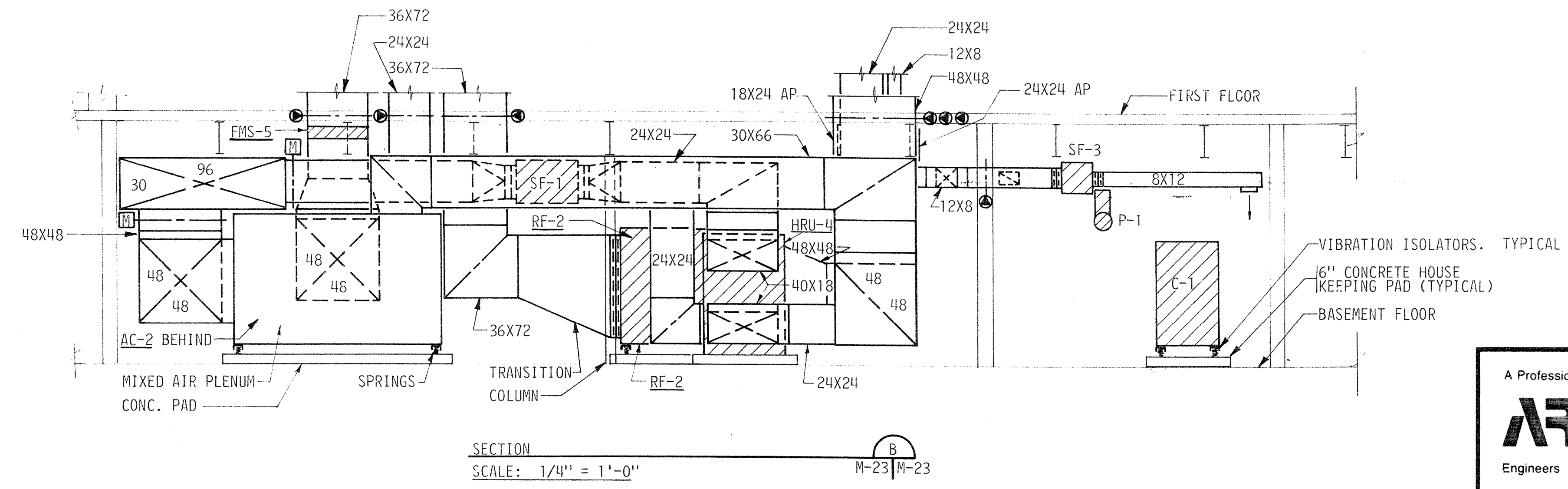
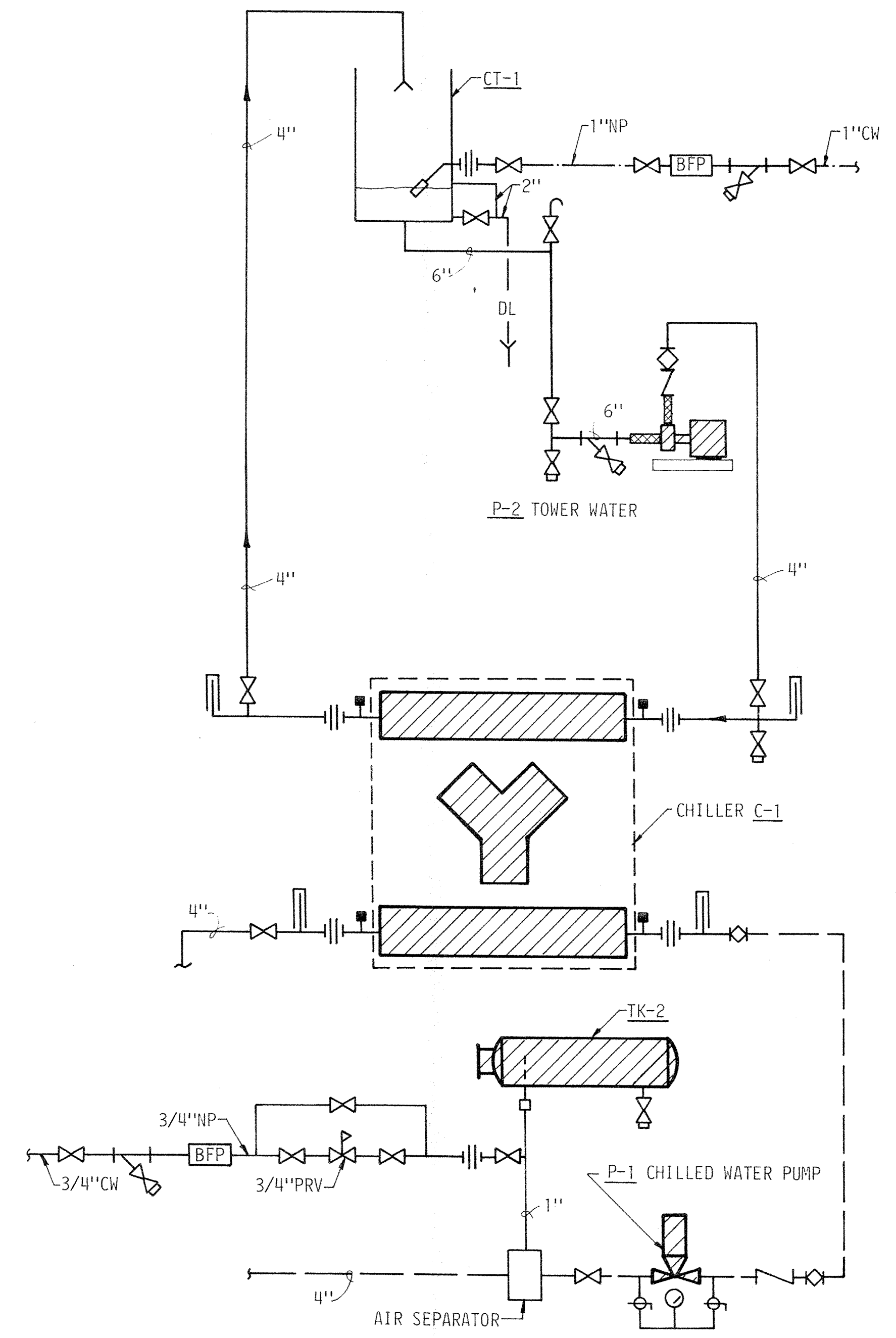
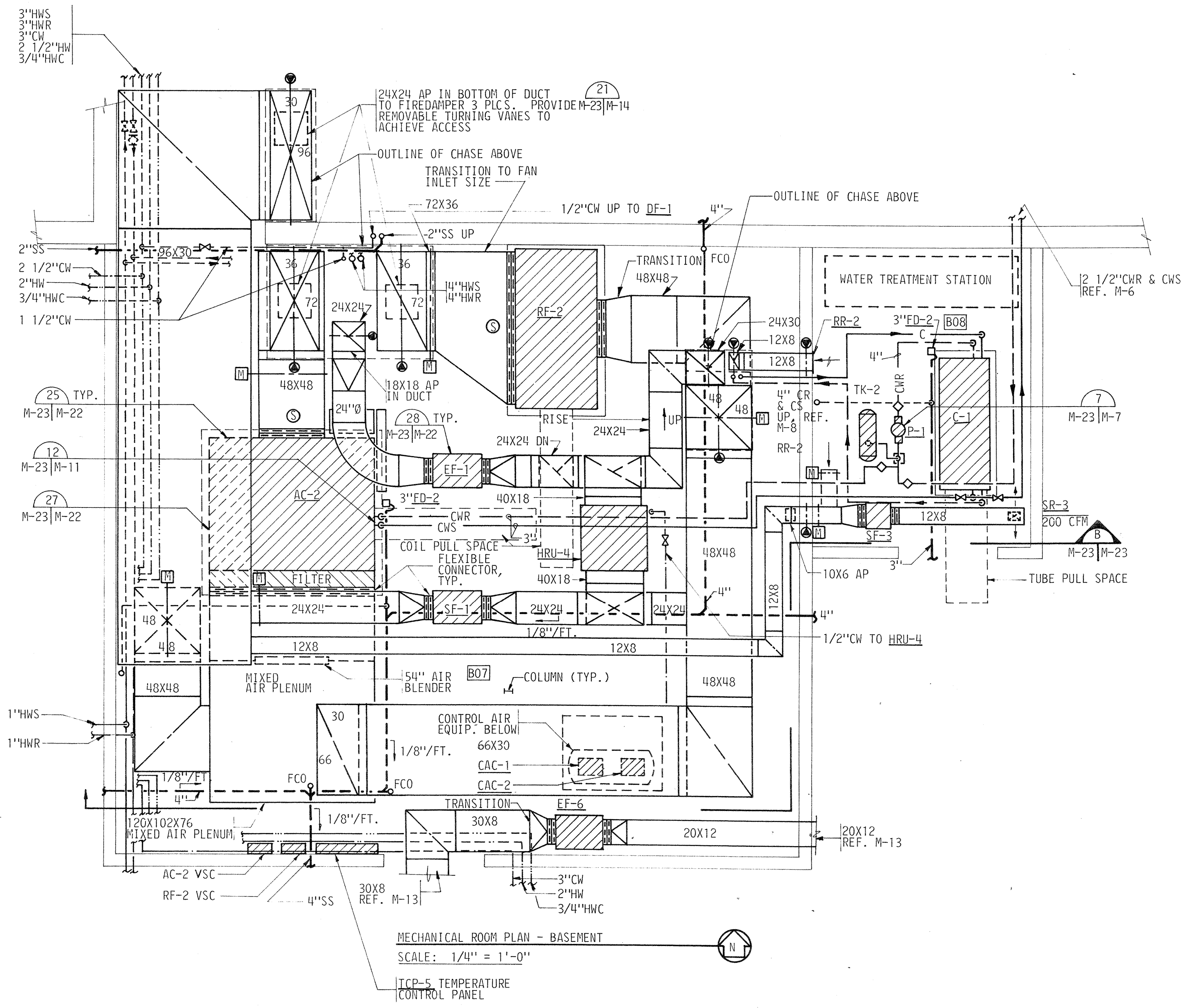
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		DRAWN JK CHECKED MVP APPROVED JCH	
DATE AUG. 4, 1983 PROJECT NO. 82183.00			



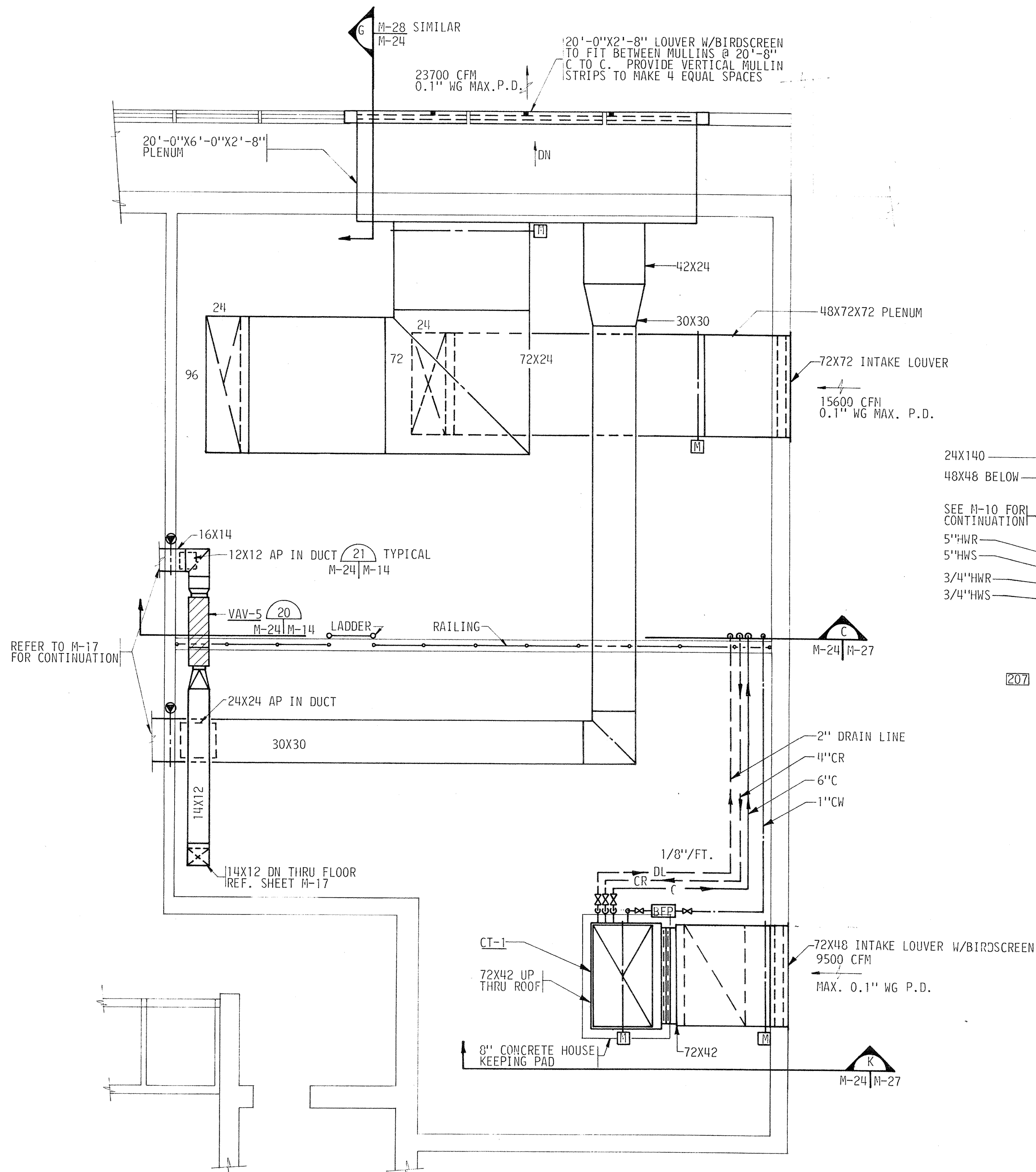
HEATING PIPING DIAGRAM  
NO SCALE

<p>A Professional Corporation</p> <p><b>ARIX</b></p> <p>Engineers Architects Planners</p> <p>Greely, Colorado Grand Junction, Colorado Riverton, Wyoming Orem, Utah</p>	<p>THIS DRAWING IS THE PROPERTY OF ARIX, AND IS NOT TO BE REPRODUCED, MODIFIED OR USED FOR ANY OTHER PROJECT OR EXTENSION OF THIS PROJECT EXCEPT BY AGREEMENT WITH SAID COMPANY.</p>	<p>SCALE NO SCALE</p>	<p>COMMUNITY CENTER FOR RECREATION</p> <p>GREELY COLORADO</p>	
		<p>DRAWN JKJ</p> <p>CHECKED NLU</p> <p>APPROVED JCH</p>		<p>DATE AUG. 4, 1983</p> <p>PROJECT NO. 82183.00</p>
		<p>HEATING PIPING DIAGRAM</p>		

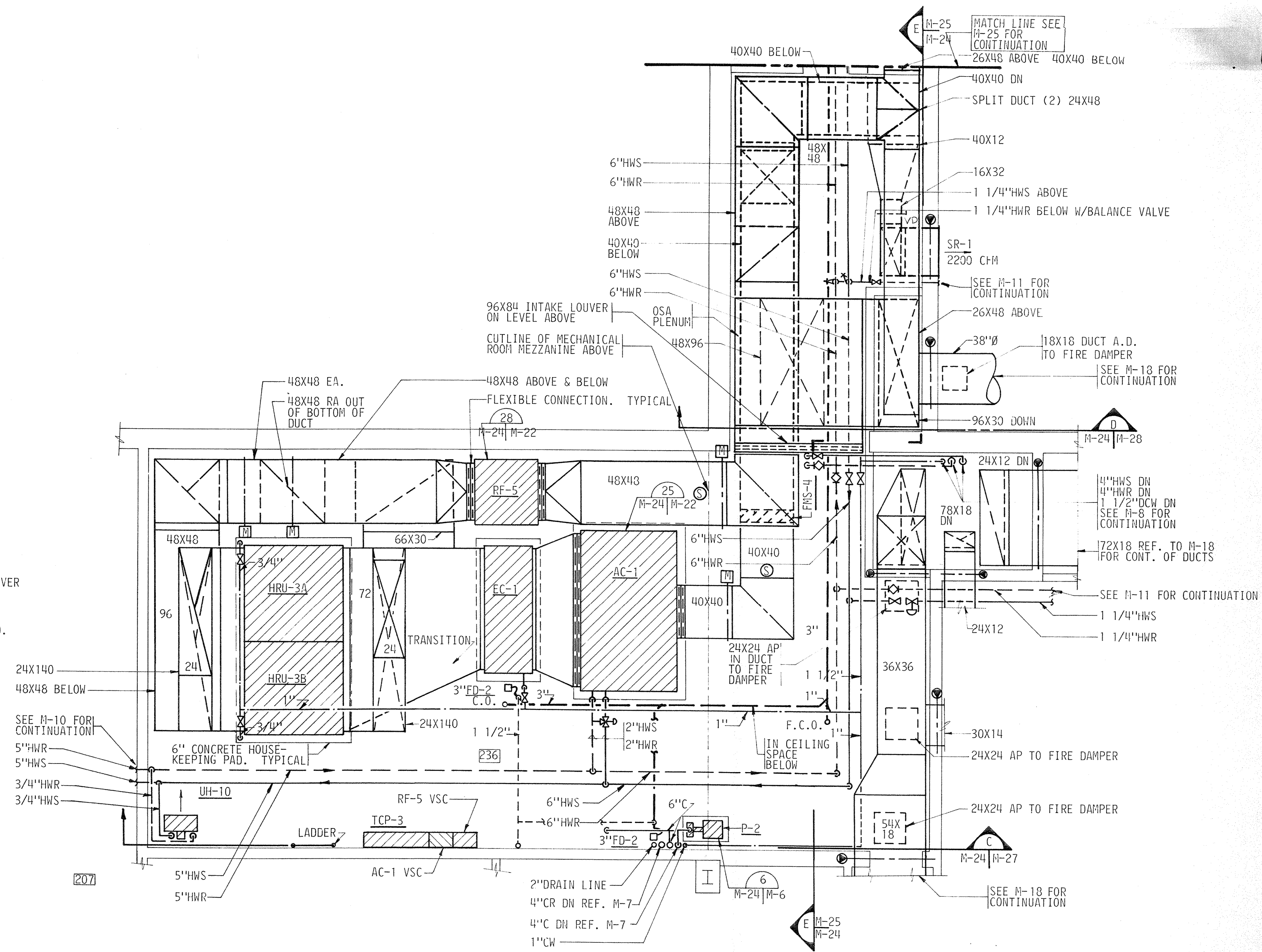




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		DRAWN JKJ CHECKED MVP APPROVED JCH	
MECHANICAL ROOM PLAN & SECTION			



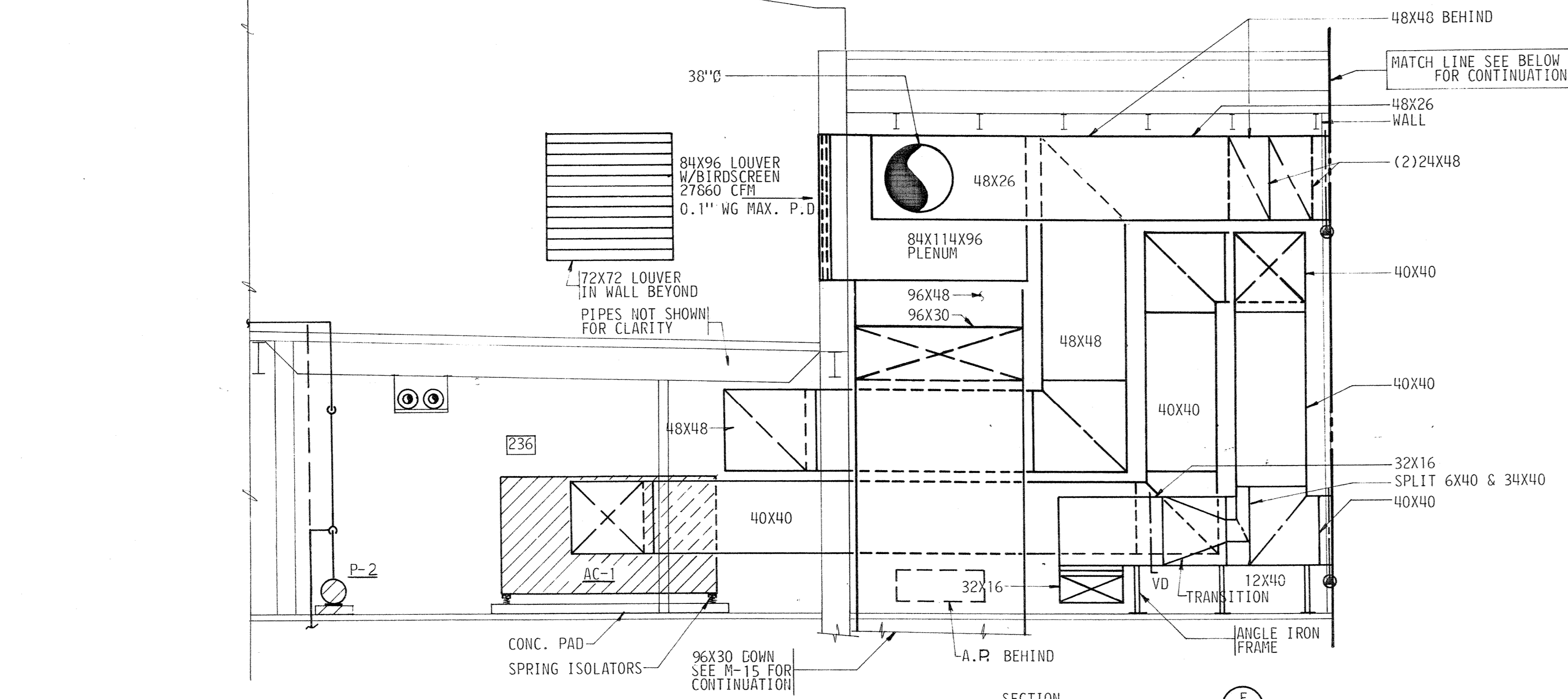
MECHANICAL ROOM - MEZZANINE LEVEL PLAN  
SCALE: 1/4" = 1'-0"



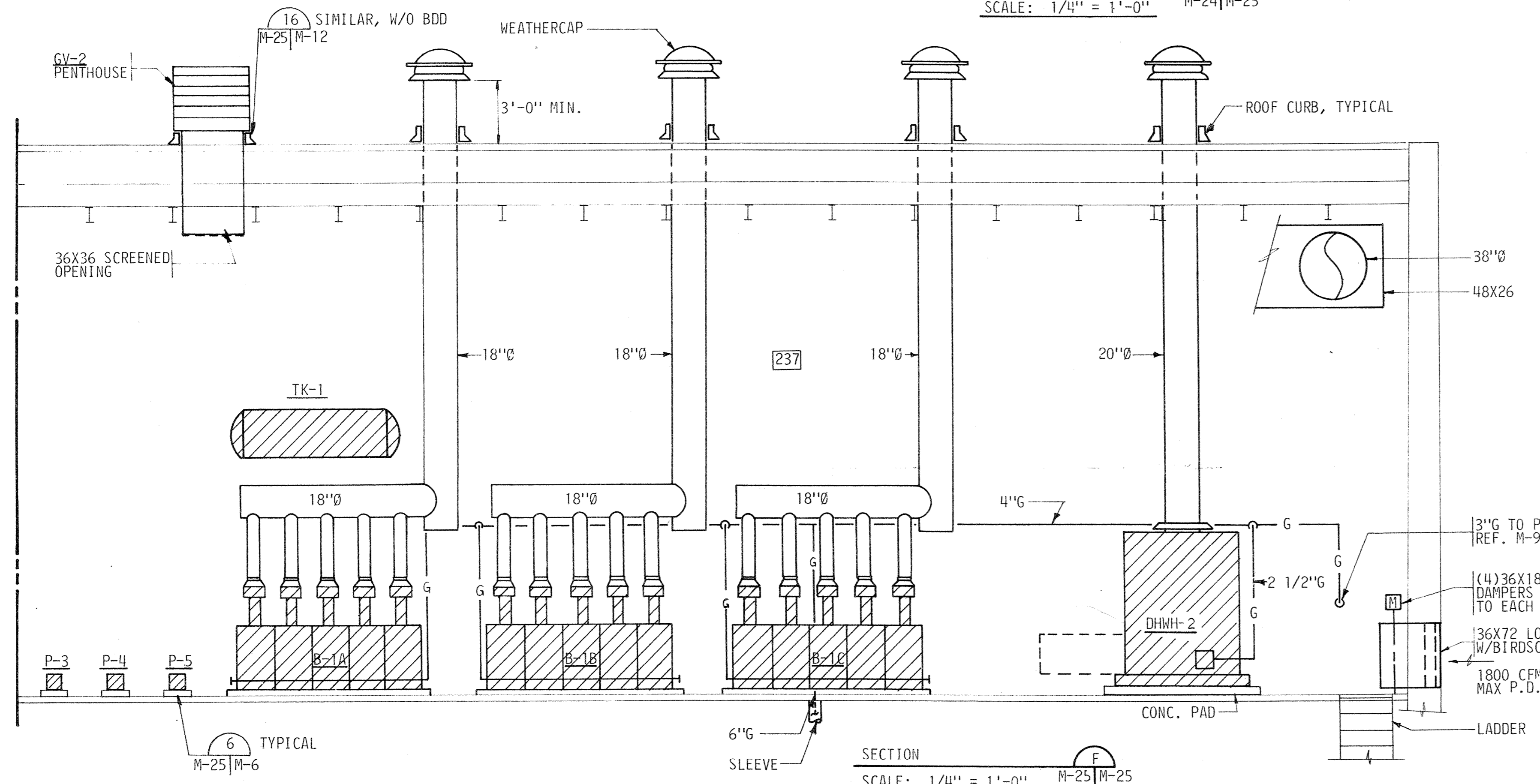
MECHANICAL ROOM 2ND FLOOR PLAN  
SCALE: 1/4" = 1'-0"

NOTES:  
1. WHERE 5" HWS/HWR PIPES ARE SHOWN, CONTRACTOR HAS OPTION TO USE 6" PIPE.

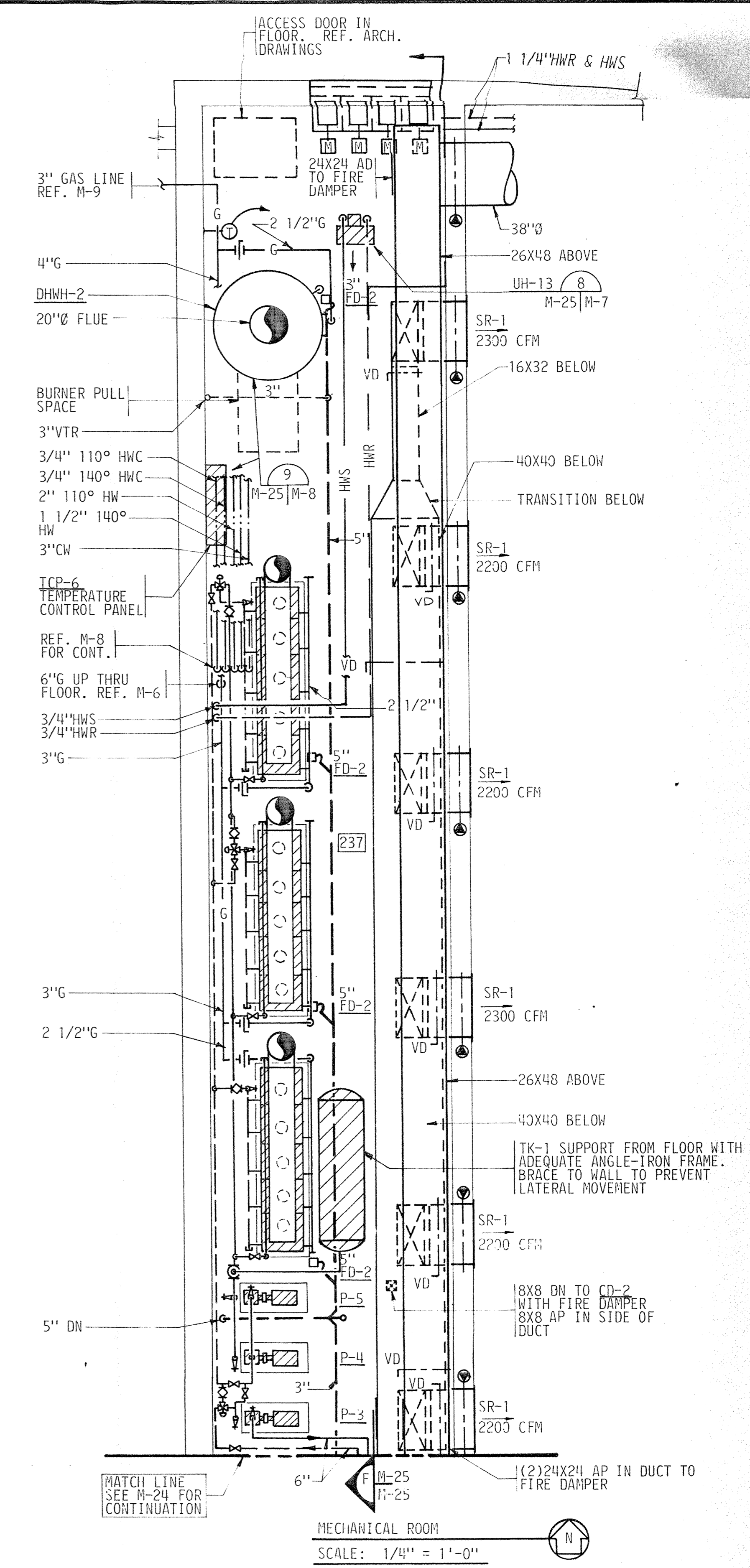
<p>A Professional Corporation</p> <p><b>ARIX</b></p> <p>Engineers Architects Planners</p> <p>Greeley, Colorado Grand Junction, Colorado Riverton, Wyoming</p>	<p>THIS DRAWING IS THE PROPERTY OF ARIX, AND IS NOT TO BE REPRODUCED, MODIFIED OR USED FOR ANY OTHER PROJECT OR EXTENSION OF THIS PROJECT EXCEPT BY AGREEMENT WITH SAID COMPANY.</p>	<p>SCALE 1/4" = 1'-0"</p>	<p>COMMUNITY CENTER FOR RECREATION</p> <p>GREELEY COLORADO</p>	
		<p>DRAWN MLU</p> <p>CHECKED MLU</p> <p>APPROVED JCH</p>		
		<p>DATE AUG. 4, 1983</p> <p>PROJECT NO. 82183.00</p>		<p>MECHANICAL ROOM PLAN</p>
		<p>M-24</p>		



SECTION E  
SCALE: 1/4" = 1'-0" M-24 | M-25



SECTION F  
SCALE: 1/4" = 1'-0" M-25 | M-25



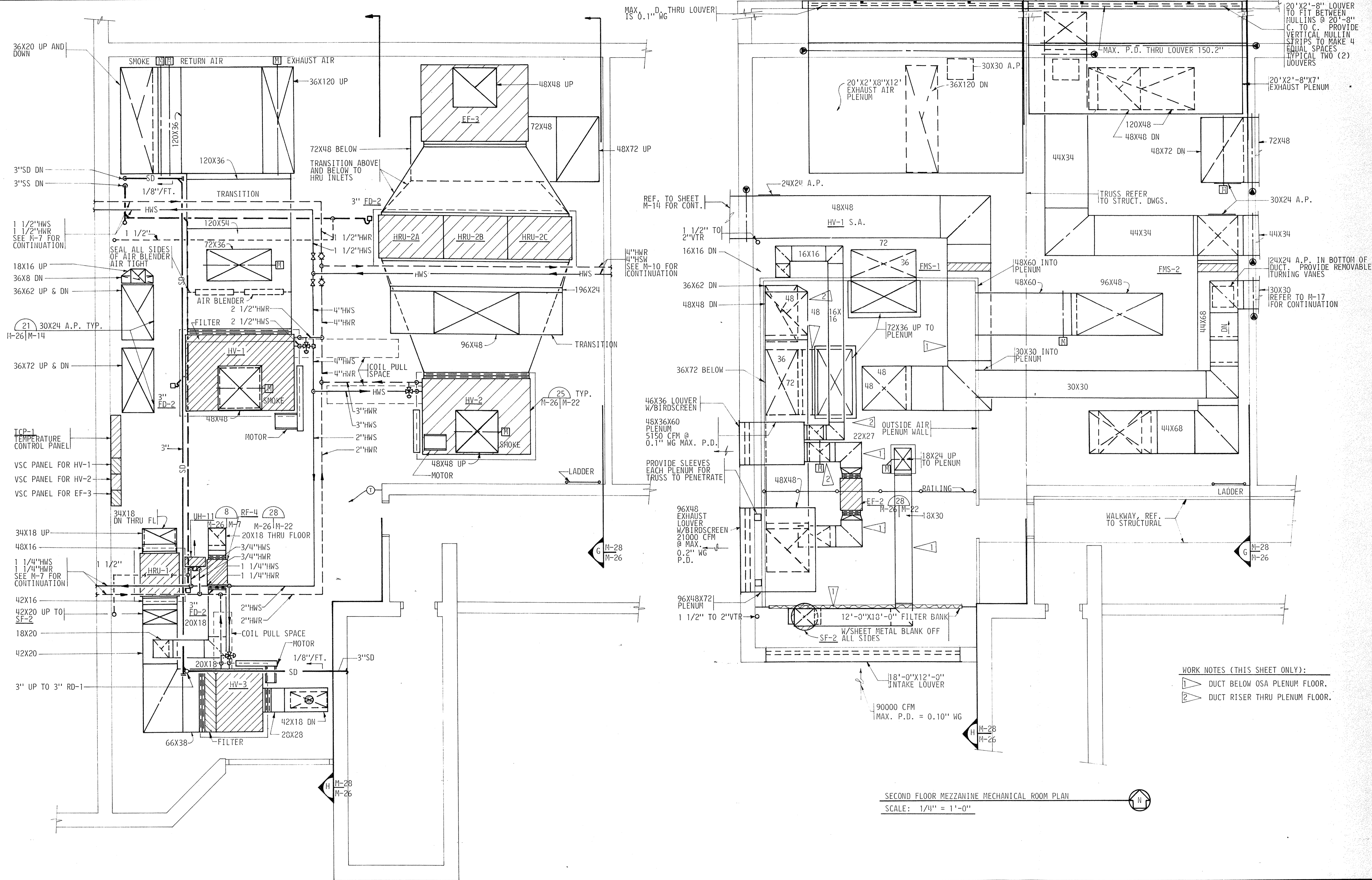
MECHANICAL ROOM  
SCALE: 1/4" = 1'-0"

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SCALE	1/4" = 1'-0"
DRAWN	MLU
CHECKED	MLU
APPROVED	JCH
DATE	AUG. 4, 1983
PROJECT NO.	82183.00

COMMUNITY CENTER FOR RECREATION  
Greeley, Colorado  
MECHANICAL ROOM PLAN & SECTIONS



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

SECOND FLOOR MEZZANINE MECHANICAL ROOM PLAN  
SCALE: 1/4" = 1'-0"

WORK NOTES (THIS SHEET ONLY):  
 1 DUCT BELOW OSA PLENUM FLOOR.  
 2 DUCT RISER THRU PLENUM FLOOR.

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 Riverton, Wyoming

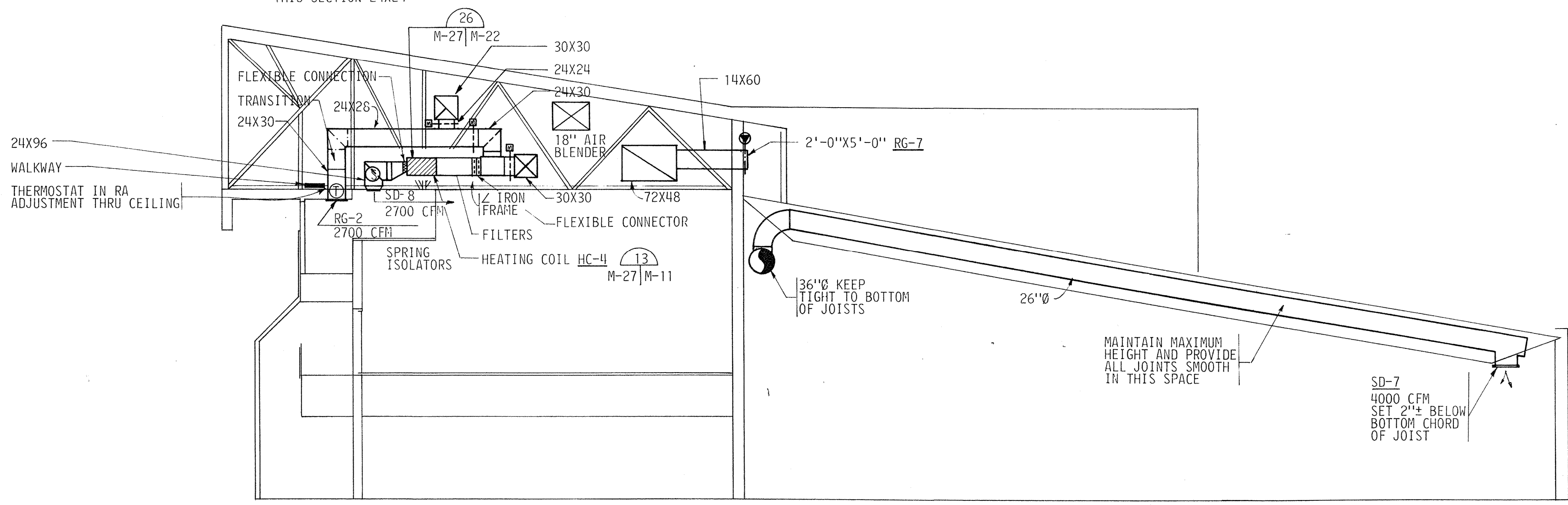
THIS DRAWING IS THE PROPERTY OF ARIX, AND IS NOT TO BE REPRODUCED, MODIFIED OR USED FOR ANY OTHER PROJECT OR EXTENSION OF THIS PROJECT EXCEPT BY AGREEMENT WITH SAID COMPANY.

SCALE 1/4" = 1'-0"  
 DRAWN JKJ  
 CHECKED MVP  
 APPROVED JCH  
 DATE AUG. 4, 1983  
 PROJECT NO. 82183.00

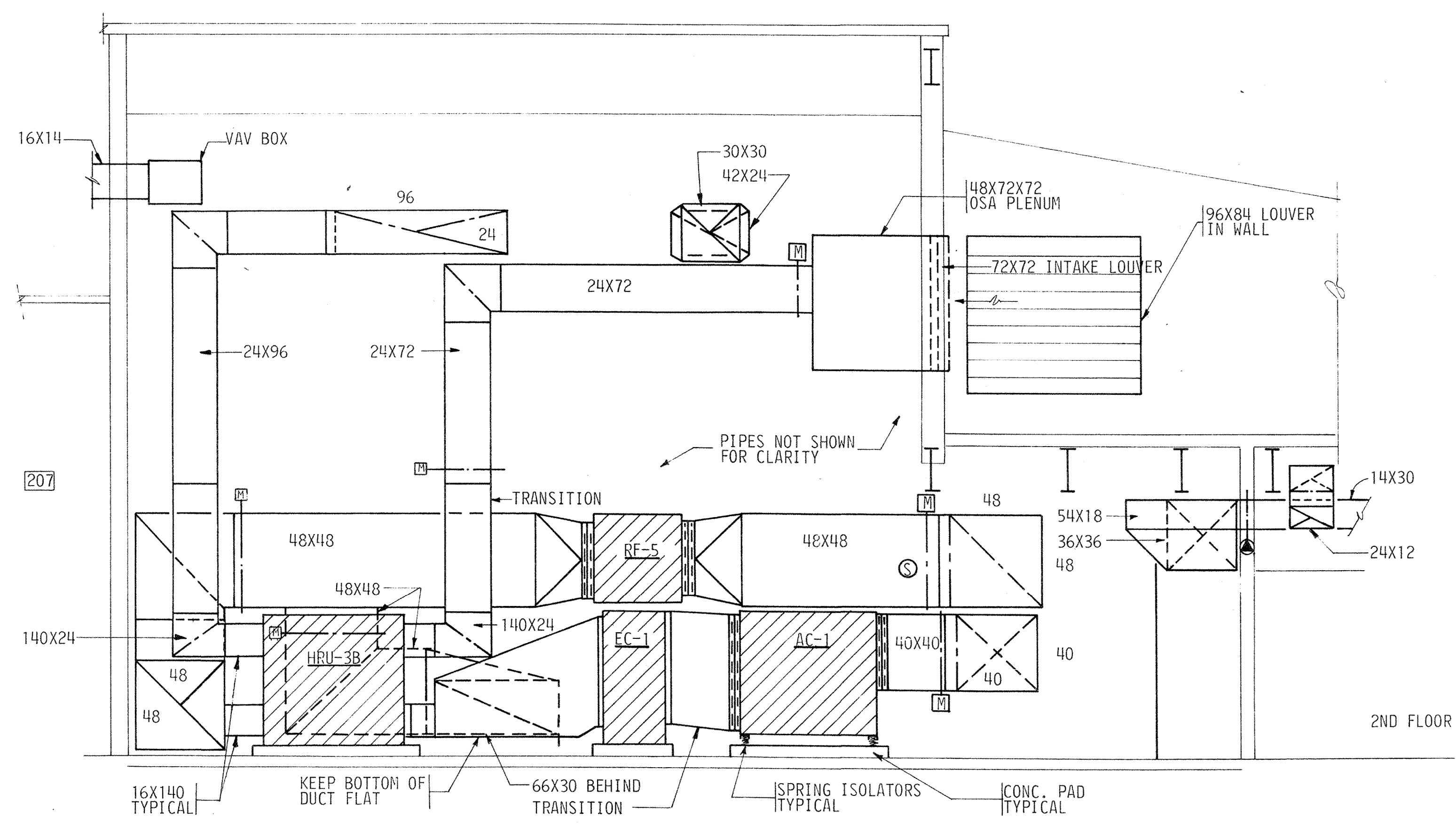
COMMUNITY CENTER FOR RECREATION  
 GREELEY COLORADO  
 SECOND FLOOR & SECOND FLOOR MEZZANINE MECHANICAL ROOM PLAN  
 M-26



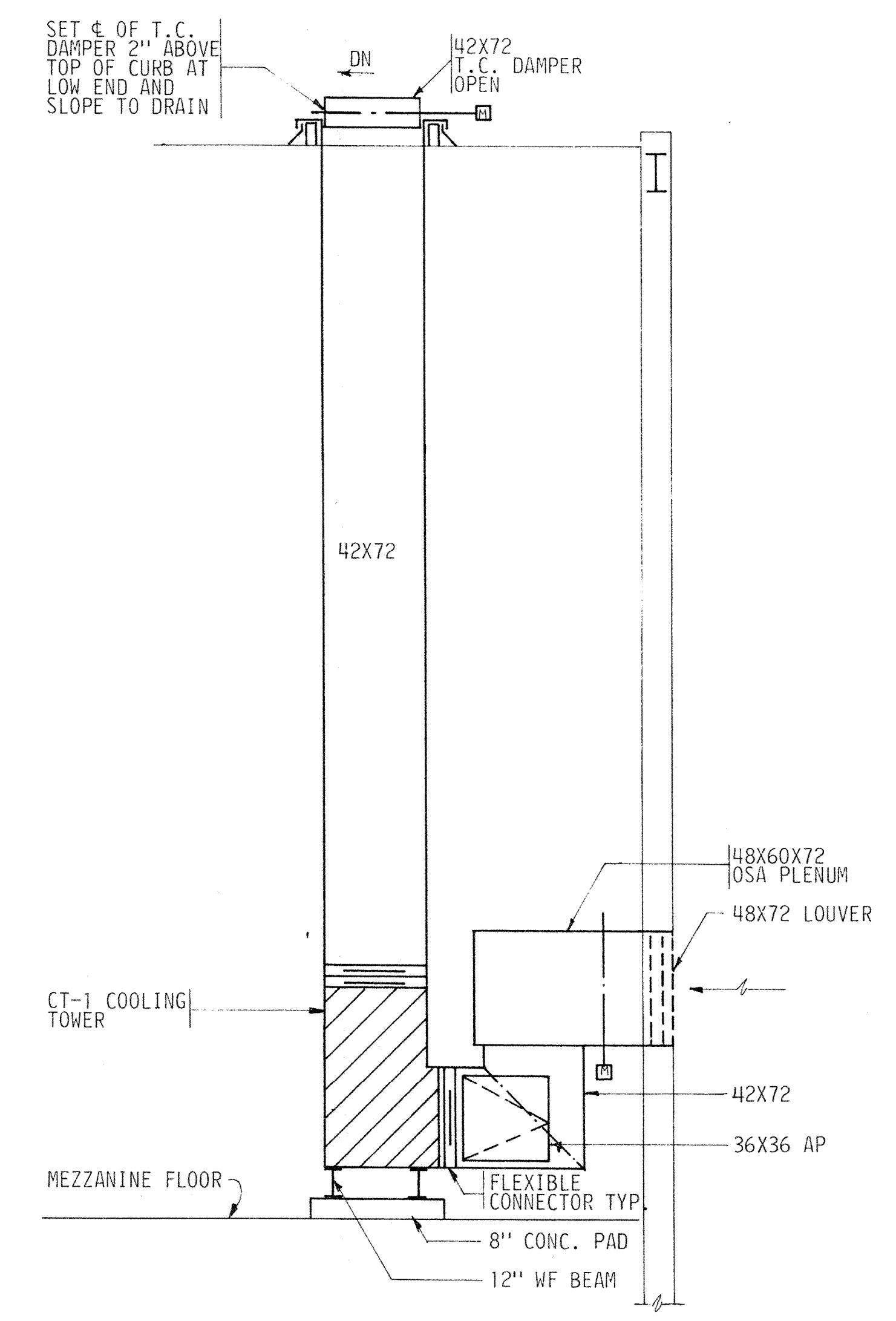
NOTE:  
ALL MOTOR DAMPERS  
THIS SECTION 24X24



SECTION J  
SCALE: 1/8" = 1'-0" M-17 M-27 M-16

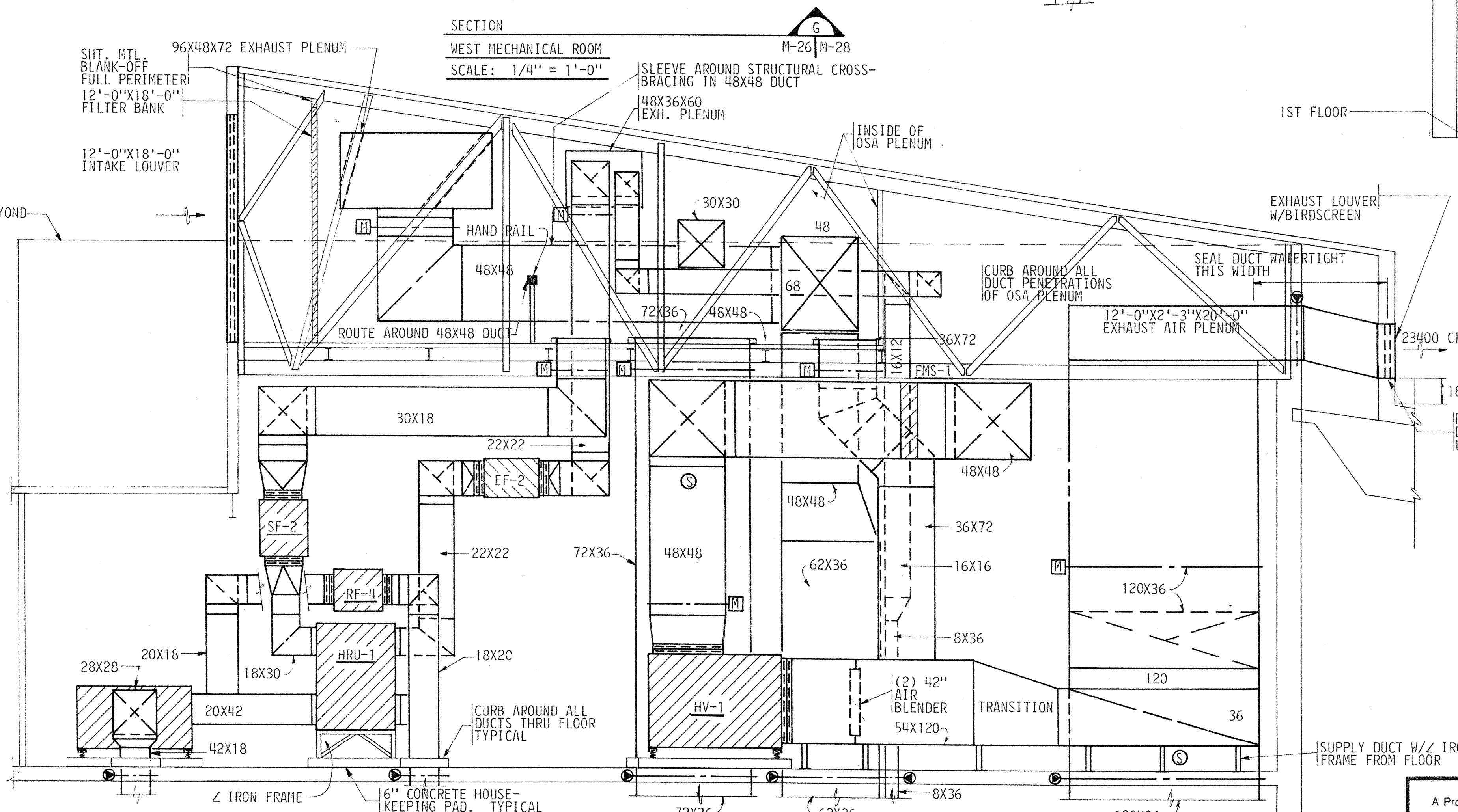
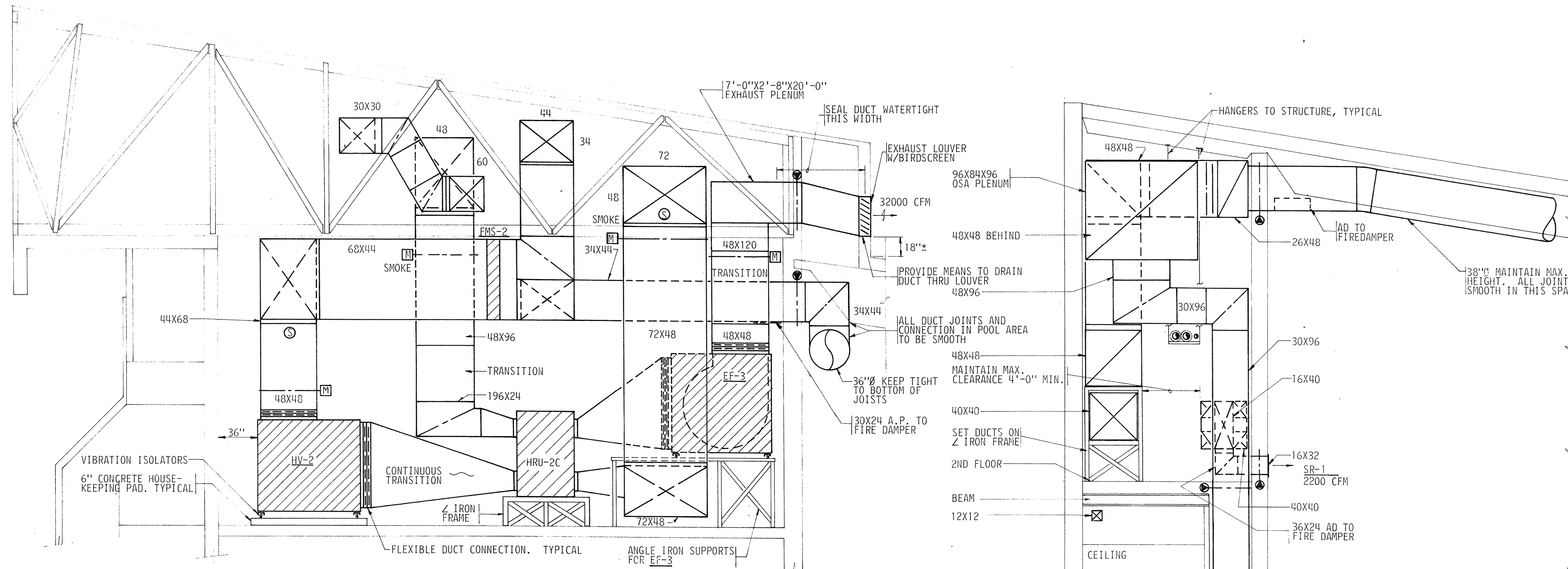


SECTION C  
SCALE: 1/4" = 1'-0" M-24 M-27



SECTION K  
COOLING TOWER MEZZ. M-24 M-27  
SCALE: 1/4" = 1'-0"

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		<p>DRAWN MLU</p>		<p>SECTIONS M-27</p>
		<p>CHECKED MLU</p>		
		<p>APPROVED JCH</p>		
<p>DATE AUG. 4, 1983</p> <p>PROJECT NO. 82183.00</p>				



- NOTES:
1. SEAL ALL DUCT PENETRATIONS OF OSA PLENUM AIRTIGHT.
  2. SEAL ALL DUCT WORK ROUTED THRU OSA PLENUM AIRTIGHT W/MASTIC.

<p>A Professional Corporation</p> <p><b>ARIX</b></p> <p>Engineers Architects Planners</p> <p>Creeley, Colorado Grand Junction, Colorado Riverton, Wyoming Orem, Utah</p>	<p>THIS DRAWING IS THE PROPERTY OF ARIX, AND IS NOT TO BE REPRODUCED, MODIFIED OR USED FOR ANY OTHER PROJECT OR EXTENSION OF THIS PROJECT EXCEPT BY AGREEMENT WITH SAID COMPANY.</p>	<p>SCALE 1/4" = 1'-0"</p>	<p>COMMUNITY CENTER FOR RECREATION</p> <p>GREELEY COLORADO</p>
		<p>DRAWN JKJ</p> <p>CHECKED MLU</p> <p>APPROVED JCH</p>	
		<p>MECHANICAL ROOM SECTIONS</p>	

### AIR-HANDLING UNIT SCHEDULE

(1) MOTOR SPEED = 1750 RPM. FAN SPEED VARIES (2) DURING OCCUPIED CYCLE (3) FILTERS IN OSA PLENUM (4) MEDIUM-PRESSURE SUPPLY DUCTWORK @ FULL SA VOLUME

PLAN SYMBOL	COOLING COIL	HEATING COIL	FILTER BANK	MANUFACTURER	MODEL	CFM			TOTAL S.P. "W.C."	ELECTRICAL DATA				DESIGN OUTLET VELOCITY	REMARKS
						TOTAL	OUTSIDE AIR MIN. (2)	AIR MAX.		HP	RPM	VOLT	PH		
HV-1	-	HC-1	(3)	TRANE	T-41GV	23,400	4,000	23,000	2.50"	15	(1)	480	3	1750	LG. GYM
HV-2	-	HC-2	(3)	TRANE	T-50D	32,000	12,000	32,000	3.0"	25	(1)	480	3	2000	POOL
HV-3	-	HC-7	(3)	TRANE	T-14A	5,700	4,600	5,700	1.75"	5	(1)	480	3	1300	LOCKERS
HV-4	-	HC-4	(3)	TRANE	T-6A	2,700	100	2,700	1.50"	1 1/2	(1)	480	3	1450	RQ. COURTS
HV-5	-	HC-5	(3)	TRANE	T-6A	2,700	100	2,700	1.50"	1 1/2	(1)	480	3	1450	RQ. COURTS
HV-6	-	HC-6	(3)	TRANE	T-6A	2,700	100	2,700	1.50"	1 1/2	(1)	480	3	1450	RQ. COURTS
HV-8	-	HC-8	2" T.A.	TRANE	5-14A	7,810	160	7,810	1.50"	5	(1)	480	3	1600	KITCHEN
HV-7	NOT USED														
AC-1	-	HC-3	50%	TRANE	T-35	15,600	2,700	15,600	2.50"	10	(1)	480	3	1400	SMALL GYM
AC-2	CC-2	-	50%	TRANE	CLCH-50K	24,500	4,960	24,500	3.25"	20	(1)	480	3	1400	OFFICE AREA (4)
AC-3	CC-1	-	ODOR	TRANE	CLCH-14E	6,900	1,300	6,900	3.25"	7 1/2	(1)	480	3	1750	MEETING RM. (4)

### HEATING COIL SCHEDULE

(1) SIZE TO FIT AIR HANDLING UNIT (2) NO REQUIREMENT

PLAN SYMBOL	TOTAL	FACE VEL'TY MAX.	FAN SYSTEM	AIR SIDE DATA					FLUID SIDE DATA				MANUFACTURER	MODEL NUMBER	REMARKS
				MIN. ROWS	MAX. FINS/FT.	MAX. ΔP "W.C."	ENT. DB °F	LVG. DB °F	TYPE	ENT °F	GPM	MAX. ΔP FEET			
HC-1	23,400	(1)	HV-1	1	90	0.10"	50°	80°	WATER	180°	65	5	TRANE	WC	
HC-2	32,000	(1)	HV-2	1	120	0.15"	70°	100°	WATER	180°	90	5	TRANE	WC	
HC-3	15,600	(1)	AC-1	1	80	0.10"	60.4°	80°	WATER	180°	30	5	TRANE	WC	
HC-4	2,700	(1)	HV-4	1	80	0.10"	70°	(2)	WATER	180°	5	5	TRANE	TT	
HC-5	2,700	(1)	HV-5	1	80	0.10"	70°	(2)	WATER	180°	5	5	TRANE	TT	
HC-6	2,700	(1)	HV-6	1	80	0.10"	70°	(2)	WATER	180°	5	5	TRANE	TT	
HC-7	5,700	(1)	HV-3	1	80	0.10"	53.3°	75°	WATER	180°	20	5	TRANE	WC	
HC-8	7,810	(1)	HV-8	2	120	0.10"	-10°	68°	40% GLYCOL	150°	80	5	TRANE	W	

### RETURN FAN SCHEDULE

(1) CABINET FAN

PLAN SYMBOL	FAN DIA.	ARR'T	CLASS	DISCHARGE	MANUFACTURER	MODEL	AIR DATA			ELECTRICAL			LOCATION	VIBRATION ISOLATION	REMARKS
							CFM	T.S.P. "W.C."	OUTLET VEL'TY	HP	VOLT	PH			
RF-1	20" FC	HORZ.		HORZ.	TRANE	(1) 14A	6,900	1.0"	1400	3	480	3		DUCT, BASE	MEETING RMS
RF-2	33" AF	HORZ.		HORZ.	TRANE	(1) 41C	19,600	1.0"	1400	7 1/2	480	3		DUCT, BASE	OFFICE AREA
RF-3	NOT USED														
RF-4	AXIAL	HORZ.	I	HORZ.	TRANE	Q19		0.88"	1100	3/4	480	3		DUCT, HNGRS	LOCKER
RF-5	AXIAL	HORZ.	I	HORZ.	TRANE	Q36	15,600	2.0"	1900	7 1/2	480	3		DUCT, HNGRS	SMALL GYM

### COOLING COIL SCHEDULE

PLAN SYMBOL	TOTAL CFM	FACE VEL'TY MAX.	FAN SYSTEM	AIR SIDE DATA					WATER SIDE DATA			MANUFACTURER	MODEL NUMBER	REMARKS	
				MIN. ROWS	MAX. FINS/FT.	MAX. ΔP "W.C."	ENT. DB °F	LVG. DB °F	ENT °F	GPM	MAX. ΔP FEET				
CC-1	6,900	500	AC-3	4	150	0.35"	94.3°	64.5°	55.8°	45°	40	6 FT.	TRANE	W	
CC-2	24,500	470	AC-2	4	130	0.35"	80.8°	63.7°	55.6°	45°	120	6 FT.	TRANE	W	

### SUPPLY AND EXHAUST FAN SCHEDULE

(1) CABINET FAN (2) 1140 RPM W/SCR CONTROLLER (3) 860 RPM W/SCR CONTROLLER (4) WITH SOLID STATE SPEED CONTROLLER (5) EXPLOSION PROOF

TAG	AIR DATA		MANUFACTURER	MODEL	TYPE	MOUNTING	MAX. SONES @ OUTLET	OUTLET VEL'TY	ELECTRICAL			VIBRATION ISOLATION	LOCATION	REMARKS
	CFM	T.S.P. "W.C."							HP	VOLT	PH			
SF-1	4,560	0.75"	TRANE	Q19	IN-LINE AXIAL	SUSP.	-	2000	2	480	3	DUCT, HNGRS	B07	OFFICE
SF-2	4,600	1.00"	TRANE	Q21	IN-LINE AXIAL	SUSP.	-	1600	1 1/2	480	3	DUCT, HNGRS	201	LOCKERS
SF-3	200	0.375"	GREENHECK	CSP-27	IN-LINE CAB'T	SUSP.	3.5	1000	1/15	120	1	DUCT, HNGRS	B08	CHILLER RM.
EF-1	4,560	1.24"	TRANE	Q19	IN-LINE AXIAL	SUSP.	-	2000	2	480	3	DUCT, HNGRS	B07	OFFICES
EF-2	3,650	1.50"	TRANE	Q21	IN-LINE AXIAL	SUSP.	-	1300	1 1/2	480	3	DUCT, HNGRS	201	LOCKERS
EF-3	32,000	2.10"	TRANE	(1) 63H	CABINET	SUSP.	-	1600	20	480	3	DUCT, HNGRS	202	POOL
EF-4	3,280	.25"	GREENHECK	SDP-24-3-20	PROP	DUCT	-	-	1/3	120	1	DUCT	W. BSMT	
EF-5	1,500	.40"	GREENHECK	SQD-14B	IN-LINE CENT	SUSP.	-	-	1/3	120	1	DUCT, HNGRS	BASEMENT	(2)
EF-6	1,500	.40"	GREENHECK	SQD-14B	IN-LINE CENT	SUSP.	-	-	1/3	120	1	DUCT, HNGRS	BASEMENT	(2)
EF-7	5,400	.375"	GREENHECK	SDP-30-3-15	PROP	DUCT	-	-	3/4	480	3	DUCT	BASEMENT	
EF-8	2,000	.375"	GREENHECK	SQD-16C	IN-LINE CENT	SUSP.	-	-	1/3	120	1	DUCT, HNGRS		(3)
EF-9	2,500	2.25"	TRANE	Q16	IN-LINE AXIAL	SUSP.	-	-	2	480	3	DUCT, HNGRS	KITCHEN	EH-1
EF-10	2,500	2.25"	TRANE	Q16	IN-LINE AXIAL	SUSP.	-	-	2	480	3	DUCT, HNGRS	KITCHEN	EH-2
EF-11	1,750	2.25"	TRANE	Q16	IN-LINE AXIAL	SUSP.	-	-	1	480	3	DUCT, HNGRS	KITCHEN	EH-3
EF-12	400	0.25"	GREENHECK	SW-9	WALL CENTR.	WALL	-	-	1/20	120	1	-	WALL	DISHWASHER
EF-13	80	0.25"	GREENHECK	SP-17	CLG. EXHAUST	CLG.	3.5	-	1/50	120	1	DUCT	152	(4)
EF-14	80	0.15"	GREENHECK	SP-17	CLG. EXHAUST	CLG.	3.5	-	1/50	120	1	DUCT	154	(4)
EF-15	270	0.25"	PENN	XT-94	ROOF CENT	ROOF	-	-	1/12	120	1	N/A	ROOF	CHLORINE RM. (5)

### EVAPORATIVE COOLER SCHEDULE

(1) RECIRCULATING TYPE

PLAN	AREA	TYPE	AIR DATA					PUMP DATA					DIMENSIONS (FACE)	MFR.	MODEL NUMBER	REM.		
			CFM	EDB °F	EWB °F	EFF %	MAX. ΔP FT HOH	NO	GPM EA	HEAD FT	HP EA	RPM					VOLT	PH
EC-1	SM GYM	SPRAYED MEDIA	15,600	75°	63.5°	90	0.20'	1	15	20	1/3	1750	120	1	34"W X 64" H 26" DEEP	AIREX	180-SNW	(1)

A Professional Corporation



Engineers Architects Planners

Creeley, Colorado  
Grand Junction, Colorado  
Riverton, Wyoming  
Orem, Utah

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SCALE NONE

DRAWN PKS  
CHECKED MVP  
APPROVED JCH

DATE AUG. 4, 1983  
PROJECT NO. 02183.00

COMMUNITY CENTER FOR RECREATION  
GREELEY COLORADO

SCHEDULES

### CHILLER SCHEDULE

(1) MORNING START-UP ONLY

PLAN SYMBOL	LOCATION	TONS	EVAPORATOR DATA				CONDENSER DATA				COMPRESSOR DATA (AT HIGH EWT)						MFR.	MODEL NUMBER	REM.		
			LWT OF	GPM	MAX HEAD FEET	FOULING FACTOR	EWT, °F (1)	°F MAX.	GPM OF	MAX HEAD FEET	FOULING FACTOR	NO. EACH	F.L. EACH	R.A. EACH	RPM	VOLT				PH	TOTAL KW INPUT
CH-1	B08	61.7	45°	160	20	0.0005	65°	85°	190	20	0.0005	2	51	240	-	480	3	59.8	TRANE	CGWB-C60M	

### BOILER SCHEDULE

(1) SEE SPECIFICATIONS (2) VARIES: 165° AT DESIGN CONDITIONS

PLAN SYMBOL	LOCATION	TYPE	NOMINAL SEA LEVEL INPUT, MBH	CAPACITY ACTUAL				FUEL	BLOWER				CNTRLS	MANUFACTURER	MODEL NUMBER	REM.	
				LB/HR	PRESS PSI	GPM	EWT		LWT	NO.	HP	VOLT					PH
B-1A	237	HOT WATER	1500	-	-	140	(2)	180°	NAT. GAS	-	-	-	-	(1)	HYDROTHERM	MR-1500B PV	
B-1B	237	HOT WATER	1500	-	-	140	(2)	180°	NAT. GAS	-	-	-	-	(1)	HYDROTHERM	MR-1500B PV	
B-1C	237	HOT WATER	1500	-	-	140	(2)	180°	NAT. GAS	-	-	-	-	(1)	HYDROTHERM	MR-1500B PV	

### COOLING TOWER SCHEDULE

(1) ENCLOSED FAN SECTION

PLAN SYMBOL	LOCATION	TYPE	DISCHARGE	GPM	WATER		AMBIENT		MAX SPRAY HEAD FEET	HEAT REJECT 'N MBH	EXT. S.P. 'N MOH	MOTOR DATA				MFR.	MODEL	REM.
					EWT OF	LWT OF	DB OF	WB OF				NO.	HP EA.	RPM	VOLT			
CT-1	226 MEZZ.	DUCTED	VERTICAL	190	95°	85°	103°	68°	12	915	.5"	1	5	-	480	3	BALTIMORE	VNT40D (1)

### AIR-TO-AIR HEAT EXCHANGER SCHEDULE

(1) ALL 79MLU SERIES (2) EPOXY COATING ON EXHAUST (3) INDIRECT EVAPORATIVE COOLING ON EXHAUST (4) TRAVERSING DEFROST PLATE ON ALL UNITS

PLAN SYMBOL	AREA SERVED	TYPE	INTAKE AIR SIDE										EXHAUST AIR SIDE						MFR.	MODEL (1)	REM. (4)	
			SUMMER					WINTER					SUMMER			WINTER						
			CFM	EDB OF	EWB OF	LDB OF	MBH	CFM	EWB OF	LDB OF	MBH	MAX. AP 'HOH	CFM	EDB OF	EWB OF	CFM	EDB OF	EWB OF				MAX. AP 'HOH
HRU-1	LOCKERS	PLATE	4600	93°	64°	-	-	4600	-10°	42°	215	1.50	3650	80°	69°	3650	75°	65°	0.50	Z-DUCT	4842	(2)
HRU-2A	POOL	PLATE	10667	93°	64°	-	-	10667	-10°	54°	614	1.20	10667	80°	69°	10667	75°	65°	1.20	Z-DUCT	4872	(2)
HRU-2B	POOL	PLATE	10667	93°	64°	-	-	10667	-10°	54°	614	1.20	10667	80°	69°	10667	75°	65°	1.20	Z-DUCT	4872	(2)
HRU-2C	POOL	PLATE	10667	93°	65°	-	-	10667	-10°	54°	614	1.20	10667	80°	69°	10667	75°	65°	1.20	Z-DUCT	4872	(2)
HRU-3A	SM. GYM	PLATE	7800	93°	64°	75°	126	7800	-10°	47°	400	0.75	7800	80°	62°	7800	68°	50°	0.75	Z-DUCT	4872	(2)(3)
HRU-3B	SM. GYM	PLATE	7800	93°	64°	75°	126	7800	-10°	47°	400	0.75	7800	80°	62°	7800	68°	50°	0.75	Z-DUCT	4872	(2)(3)
HRU-4	OFFICES	PLATE	4567	93°	64°	68°	103	4560	-10°	42°	213	0.50	4560	75°	65°	4560	75°	60°	0.50	Z-DUCT	4848	(2)(3)

### PUMP SCHEDULE

(1) SERIES 80 (2) SERIES 1510 (3) (4) (5) CHILLED WATER (6) SEE SPECIFICATIONS (7) SERIES 60 (8) SERIES 2200 (9) SERIES 1600

PLAN SYMBOL	LOCATION	SERVICE	TYPE	FLUID	GPM	HEAD FT. HOH	CONTROL (6)	ISOLATION		ELECTRICAL DATA			MANUFACTURER	MODEL NUMBER	REMARKS
								PUMP	PIPES	HP	RPM	VOLT			
P-1	B08	(5)	IN-LINE	WATER	160	55	-	YES	YES	5	1750	480	3	BELL & GOSSETT	(1)2X2X9 1/2
P-2	236	TOWER WTR	BASEMENT	WATER	190	50	-	YES	YES	5	1750	480	3	BELL & GOSSETT	(2) 2 1/2" B
P-3	237	HTG. WTR	BASEMENT	WATER	420	56	-	YES	YES	10	1750	380	3	BELL & GOSSETT	(2) 4" BC
P-4	237	HTG. WTR	BASEMENT	WATER	210	35	-	YES	YES	3	1750	480	3	BELL & GOSSETT	(2) 3" AB
P-5	237	HTG. WTR	BASEMENT	WATER	210	34	-	YES	YES	3	1750	480	3	BELL & GOSSETT	(2) 3" AB
P-6	237	HWC-110°	IN-LINE	WATER	10	7.5	-	NO	YES	1/12	1750	120	1	BELL & GOSSETT	150
P-7	237	HWC-140°	IN-LINE	WATER	10	7.5	-	NO	YES	1/12	1750	120	1	BELL & GOSSETT	150
P-8	B26	HTG. GLY	IN-LINE	40% GLY	120	30	-	YES	YES	1 1/2	1750	480	3	BELL & GOSSETT	(7) 2" A
P-9	B15	SEW. EJ	VERTICAL	SEWAGE	50	20	-	NO	YES	3/4	1750	480	3	WEIL	(8) C-17000
P-10	B15	SEW. EJ	VERTICAL	SEWAGE	50	20	-	NO	YES	3/4	1750	480	3	WEIL	(8) C-17000
P-11	B01	SUMP PUMP	SUBMERS.	WATER	150	20	-	NO	YES	1 1/2	1750	480	3	WEIL	(9) C-160216
P-12	B01	SUMP PUMP	SUBMERS.	WATER	150	20	-	NO	YES	1 1/2	1750	480	3	WEIL	(9) C-160216
P-13	B19	SUMP PUMP	SUBMERS.	WATER	150	20	-	NO	YES	1 1/2	1750	480	3	WEIL	(9) C-160216
P-14	B19	SUMP PUMP	SUBMERS.	WATER	150	20	-	NO	YES	1 1/2	1750	480	3	WEIL	(9) C-160216

<p>A Professional Corporation</p> <h1 style="text-align: center;">ARIX</h1> <p style="text-align: center;">Engineers Architects Planners</p> <p><small>Greely, Colorado Grand Junction, Colorado Riverton, Wyoming Orem, Utah</small></p>	<p>THIS DRAWING IS THE PROPERTY OF ARIX, AND IS NOT TO BE REPRODUCED, MODIFIED OR USED FOR ANY OTHER PROJECT OR EXTENSION OF THIS PROJECT EXCEPT BY AGREEMENT WITH SAID COMPANY.</p>	<p>SCALE <u>NONE</u></p>	<p style="text-align: center;">COMMUNITY CENTER FOR RECREATION</p> <p style="text-align: center;">GREELEY COLORADO</p>
		<p>DRAWN <u>PKS</u></p> <p>CHECKED <u>MVP</u></p> <p>APPROVED <u>JCH</u></p>	
		SCHEDULES	

### UNIT HEATER SCHEDULE (H.W.)

(1) SEMI-RECESSED (2) AT LOW SPEED (3) AT 0.3" W.C. EXTERNAL STATIC PRESSURE (4) AT 0.4" W.C. EXTERNAL STATIC PRESSURE  
(5) HORIZONTAL CONCEALED (6) G-4 MOTOR, WITH FILTER BACKS

PLAN SYMBOL	AREA SERVED	CFM	CAP. MBH	STEAM PRESS. PSI	WATER DATA			ELECTRICAL			TYPE	CABINET			MFGR.	MODEL NUMBER	REMARKS
					IN OF	GPM	P.D. FT.	HP	VOLT	PH		DIS-CHARGE	FLANGE TRIM	MOUNT			
UH-1	175	543	8.0	-	180°	1	1	1/20	120	1	HORZ.	-	-	-	TRANE	38-S	
UH-2	177	543	8.2	-	180°	1	1	1/20	120	1	HORZ.	-	-	-	TRANE	38-S	
UH-3	BSMT	1214	36.0	-	180°	4	1	1/8	120	1	HORZ.	-	-	-	TRANE	90-S	
UH-4	BSMT	1214	35.0	-	180°	3.5	1	1/8	120	1	HORZ.	-	-	-	TRANE	90-S	
UH-5	BSMT	815	19.0	-	180°	2	1	1/20	120	1	HROZ.	-	-	-	TRANE	60-S	
UH-6	BSMT	815	18.5	-	180°	2	1	1/20	120	1	HORZ.	-	-	-	TRANE	60-S	
UH-7	BSMT	815	17.5	-	180°	2	1	1/20	120	1	HORZ.	-	-	-	TRANE	60-S	
UH-8	RQ CLG.	815	20.0	-	180°	3	1	1/20	120	1	HORZ.	-	-	-	TRANE	60-S	
UH-9	170	2380	85.0	-	180°	10	3	1/6	120	1	HORZ.	-	-	-	TRANE	168-S	
UH-10	236	815	25.2	-	180°	3	1	1/20	120	1	HORZ.	-	-	-	TRANE	60-S	
UH-11	202	815	24.2	-	180°	3	1	1/20	120	1	HORZ.	-	-	-	TRANE	60-S	
UH-12	100	1760	58.2	-	180°	7	2	1/6	120	1	HORZ.	-	-	-	TRANE	126-S	
UH-13	237	815	26.0	-	180°	3	1	1/20	120	1	HORZ.	-	-	-	TRANE	60-S	
CH-1	143	200	5.0(2)	-	180°	.5	1	1/60	120	1	CABINET	FRONT	-	(1)	TRANE	H46A002	
CH-2	155	400	14.0(2)	-	180°	1.5	1	1/30	120	1	CABINET	FRONT	-	(1)	TRANE	H46A004	
CH-3	172	400	10.0(2)	-	180°	1.0	1	1/30	120	1	CABINET	FRONT	-	(1)	TRANE	H46A004	
CH-4	135	200	7.0(2)	-	180°	1.0	1	1/60	120	1	CABINET	FRONT	-	(1)	TRANE	H46A002	
CH-5	103	400	10.0(2)	-	180°	1.0	1	1/30	120	1	CABINET	FRONT	-	(1)	TRANE	H46A004	
CH-6	102	200	2.0(2)	-	180°	0.5	1	1/60	120	1	CABINET	FRONT	-	(1)	TRANE	H46A002	
CH-7	178	200	5.2(2)	-	180°	1.0	1	1/60	120	1	CABINET	FRONT	-	(1)	TRANE	H46A002	
CH-8	145	1150(3)	40 (2)	-	180°	4	1	1/3	120	1	CABINET	DUCT	-	(5)	TRANE	C34A012	(6)
CH-9	144	570(4)	20 (2)	-	180°	2	1	1/8	120	1	CABINET	DUCT	-	(5)	TRANE	C34A006	(6)
CH-10	145	890(3)	30 (2)	-	180°	3	1	1/4	120	1	CABINET	DUCT	-	(5)	TRANE	C34A008	(6)
CH-11	145	890(3)	30 (2)	-	180°	3	1	1/4	120	1	CABINET	DUCT	-	(5)	TRANE	C34A008	(6)

### BASEBOARD RADIATION SCHEDULE

(1) PEDESTAL TYPE. PROVIDE SUPPORTS AS RECOMMENDED BY MFGR. (2) 2 1/2"X5 1/4"

PLAN SYMBOL	PIPE SIZE	FIN SIZE	FINS PER FOOT	ELEM. ROWS	COVER HEIGHT	BTU/LIN. FT.	WATER DATA		MFGR.	COVER STYLE	REM.
							W.T. OF	DROP OF			
FT-1	1"	2X3 1/4	68	1	18"	580	180°	20°	TRANE	12T	
FT-2	1 1/4"	(2)	60	1	NONE	1020	180°	20°	TRANE	WIRE	
FT-3	1 1/4"	(2)	60	1	18"	1020	180°	20°	TRANE	12T	
FT-4	1 1/4"	(2)	60	1	4"	940	180°	20°	TRANE	E3A	(1)

### HEAT EXCHANGER SCHEDULE

(1) AS REQUIRED FOR CAPACITY

PLAN SYMBOL	SYSTEM SERVED	SHELL SIZE				TUBE SIZE				MIN. SURFACE SQ. FT.	MFGR.	MODEL NUMBER	
		FLUID	EWT OF PSIG	GPM	P.D. FEET MAX.	FLUID	EWT OF	LWT OF	GPM				P.D. FEET MAX.
HX-1	HV-8	WATER	180°	60	8	40% GLY	140°	150°	120	1	(1)	B & G	WU104-22

### DOMESTIC WATER HEATER SCHEDULE

(1) COMPACT SERIES (2) A.G.A. RATING OF 70%

PLAN SYMBOL	LOCATION	WATER DATA			MIN. TANK CAPACITY GALLONS	ENERGY INPUT			MFGR.	MODEL NUMBER	
		EWT OF	RISE OF	RECOVERY GPM		GAS S.L. MBH INPUT	KW	VOLT			PH
DWH-1	153	140°	40°	92	6	-	9	208	3	HATCO	(1)C-9 CUSTOM
DWH-2	237	50°	90°	1900 (2)	750	2,400	-	-	-	P.V.I.	240N750-G

### PLUMBING FIXTURE SCHEDULE

(1) COUNTER TOP (2) TO RIM (3) SEE DRAWINGS (4) 2", 3", OR 4" - SEE DRAWINGS  
(5) COUNTER TOP HEIGHT

PLAN SYMBOL	DESCRIPTION	CONNECTION SIZES				MTG. HEIGHT	REMARKS
		C.W.	H.W.	SOIL WASTE	VENT		
L-1	LAVATORY-HANDICAPPED, WALL	1/2	1/2	1 1/4	1 1/4	31"	
L-2	LAVATORY-HANDICAPPED, (1)	1/2	1/2	1 1/4	1 1/4	(1)	
UR-1	URINAL-WALL	3/4	-	2	1 1/2	24"(2)	
UR-2	URINAL-HANDICAPPED, WALL	3/4	-	2	1 1/2	16"(2)	
WC-1	WATER CLOSET-WALL	1 1/4	-	4	2	15"	
WC-2	WATER CLOSET-HANDICAPPED, WALL	1 1/4	-	4	2	18"	
SS-1	SERVICE SINK	1/2	1/2	3	1 1/2	FLOOR	
EWC-1	ELECTRIC WATER COOLER-HANDI.	1/2	-	1 1/4	1 1/4	35"	
SH-3	SHOWER - MEN'S	3/4	3/4	3	1 1/2	FLOOR	
SH-4	SHOWER - MEN'S	3/4	3/4	3	1 1/2	FLOOR	
EH-1	KITCHEN EXHAUST HOOD	1/2	3/4	1 1/2	1 1/2	(3)	
EH-3	KITCHEN EXHAUST HOOD	1/2	3/4	1 1/2	1 1/2	(3)	
RD-1	ROOF DRAIN	-	-	(4)	-	ROOF	
ORD-1	ROOF DRAIN-OVERFLOW	-	-	6	-	ROOF	
FWH-1	FREEZEPROOF WALL HYDRANT	3/4	-	-	-	18"	
HB-1	HOSE BIBB	1/2	-	-	-	36"	
SH-1	SHOWER-WOMENS	1/2	1/2	-	-	WALL	
SH-2	SHOWER-HANDICAPPED, WALL	1/2	1/2	-	-	WALL	
DF-1	DRINKING FOUNTAIN/CUSPIDOR	1/2	-	1 1/4	1 1/4	34"	
S-1	SINK, COUNTER TOP	1/2	1/2	1 1/4	1 1/4	(5)	

### TANK SCHEDULE

(1) NOT APPLICABLE

PLAN SYMBOL	LOCATIONS	SYSTEM SERVED	USE	GALLONS		DIMENSIONS		FULL WEIGHT LB	W.W.P.	LINING	MFGR.	MODEL NUMBER
				TOT	ACC	DIA	LENGTH					
TK-1	237	HWS	EXPAN.	250	(1)	30"	96"	3200	-	NONE	B & G	MODEL 270
TK-2	B08	CWS	EXPAN.	30	(1)	13"	61"	250	-	NONE	B & G	MODEL 30
TK-3	B26	GWS	EXPAN.	30	(1)	13"	61"	350	-	NONE	B & G	MODEL 30

### UNIT HEATER SCHEDULE

(1) CONTROL POWER ONLY (2) EXPLOSION-PROOF (3) 1/20 HP BLOWER (4) AT 100% EFFICIENCY, 84% ALTITUDE FACTOR (5) 115-VOLT T-STAT, SHIELDED FROM RADIATION

PLAN SYMBOL	LOCATION	CFM	CAP MBH (4)	GAS INPUT, MBH	ELECTRICAL			TYPE	MFGR.	MODEL NUMBER	REM.
					KW	VOLT	PH				
IRH-1	173	-	16.8	20	(1)	120	1	INFRA-RED RAD.	LAMBERT	L-20	(5)
IRH-2	173	-	16.8	20	(1)	120	1	INFRA-RED RAD.	LAMBERT	L-20	(5)
EUH-1	176	800	20.4	-	6	480	3	ELECTRIC (2)	SINGER	BX-6, 6900-C	(3)

A Professional Corporation

# ARIX

Engineers Architects Planners

Greeley, Colorado  
Grand Junction, Colorado  
Riverton, Wyoming  
Orem, Utah

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SCALE NONE

DRAWN EAA  
CHECKED MVP  
APPROVED JCH

DATE AUG. 4, 1983  
PROJECT NO 82183.00

COMMUNITY CENTER  
FOR  
RECREATION

GREELEY COLORADO

SCHEDULES

M-3

### AIR DEVICE SCHEDULE

(1) AS SHOWN ON DRAWINGS (2) NECK SIZE SAME AS DUCT SIZE (3) WITH ML-37 DIFFUSER  
 (4) TO FIT DUCTWORK (5) ALUMINUM (6) FUTURE CAPACITIES SHOWN (7) W/07-35  
 (8) COMBUSTION AIR

PLAN SYMBOL	AIR DATA			DIMENSIONS			NC. MAX.	CEILING TYPE	TYPE	MANUFACTURER	MANUFACTURER MODEL NUMBER
	CFM	TP H <sub>2</sub> O	THROW FEET	MODULE SIZE	NECK SIZE	DEVICE SIZE					
SD-1	110	.12"	-	-	6X6	6X6	40	DUCT	2-WAY	TITUS	TDCA
SD-2	(1)	.12"	-	-	6"	44" LONG	30	T-BAR	SLOT	TITUS	MDI-37(3)2SL
SD-3	1300	.12"	20	-	-	18X18	40	DUCT	15°	BARBER-COLMAN	GMAJ, (5) 1D
SD-4	(1)	.12"	-	-	7"	44" LONG	30	T-BAR	SLOT	TITUS	MDI-37(3)3SL
SD-5	(1)	.12"	-	-	8"	44" LONG	30	T-BAR	SLOT	TITUS	MDI-37(3)4SL
SD-6	300	.12"	-	-	8"	24X24	30	T-BAR	-	TITUS	TXS
SD-7	4000	.12"	20	-	-	28X24	35	DUCT	15°	BARBER-COLMAN	GMAJ, (5) 1D
SD-8	2700	.12"	35	-	-	15"X8'-0"	45	PLASTER	1-WAY	TITUS	ML-39, 8SL
SD-9	285	.10"	-	-	-	3X36	30	FLOOR	SLOT	TITUS	CT-25, FS-7(7)
SD-10	1150	.12"	-	-	-	5X72	30	FLOOR	SLOT	TITUS	CT-25, FS-7(7)
SD-11	890	.12"	-	-	-	5X48	30	WALL	SLOT	TITUS	CT-25, S-1
SD-12	300	.12"	-	-	6X18	12X24	30	T-BAR	-	TITUS	TXS
SD-13	220	.12"	-	-	7"	12X24	30	T-BAR	-	TITUS	TXS
CD-1	(1)	.12"	-	24X24	(2)	24X24	30	T-BAR	(1)	TITUS	TXS
CD-2	110	.12"	-	-	(4)	8X8	40	DUCT	15	TITUS	TDCA
SR-1	2200	.12"	20	-	-	36X36	30	WALL	15°	BARBER-COLMAN	GMAJ, (5) 1D
SR-2	(1)	.12"	-	-	(4)	(1)	35	DUCT	-	TITUS	271-RS
SR-3	200	.10"	-	-	-	10X10	35	DUCT	-	TITUS	271-RS
RG-1	(1)	.10"	-	-	-	24X24	30	T-BAR	-	TITUS	TXR
RG-2	2700	.08"	-	-	-	30X24	30	PLASTER	-	TITUS	1735
RG-3	(1)	.10"	-	-	6X6	24X24	30	T-BAR	-	TITUS	TXR
RG-4	1800	.10"	-	-	-	48X24	30	WALL	-	TITUS	8-MFR5
RG-5	2700	.10"	-	-	-	48X30	30	WALL	-	TITUS	8-MFR5
RG-6	220	.10"	-	-	-	12X12	30	T-BAR	-	TITUS	8-MFR5
RG-7	5335	.12"	-	-	-	60X24	35	WALL	-	TITUS	1735
RG-8	800	.10"	-	-	-	24X24	30	T-BAR	-	TITUS	TXR
RG-9	100	.10"	-	-	-	24X24	30	T-BAR	-	TITUS	TXR
RG-10	(1)	.10"	-	-	-	(1)	35	WALL	-	TITUS	34-GL, 45°DEFL
RG-11	(1)	.10"	-	-	-	(1)	35	DUCT	-	TITUS	23-RL
RG-12	2500	.08"	-	-	-	30X30	30	GYP. BD	-	TITUS	8-MFR5
RR-1	200	.10"	-	-	(4)	24X24	30	T-BAR	-	TITUS	TXR
RR-2	200	.10"	-	-	-	10X10	30	DUCT	-	TITUS	3-F55
RR-3	570	.08"	-	-	-	3X48	30	FLOOR	SLOT	TITUS	CT-25, FS-7
ER-1	(1)	.10"	-	-	-	24X24	30	T-BAR	-	TITUS	TXR
ER-2	(1)	.10"	-	-	-	24X24	30	T-BAR	-	TITUS	TXR
GV-1	6810	.10"	-	-	48X72	30" HIGH	-	-	-	PENN (6)	PENNHOUSE
GV-2	1800	.01"	-	-	36X36	22" HIGH	-	-	-	PENN	PENNHOUSE
GV-3	(8)	.01"	-	-	16X16	14" HIGH	-	-	-	PENN	PENNHOUSE
GV-4	(8)	.01"	-	-	16X16	14" HIGH	-	-	-	PENN	PENNHOUSE
GV-5	1500	.10"	-	-	16X16	14" HIGH	-	-	-	PENN	PENNHOUSE
ER-3	200	.05"	-	-	-	40	DUCT	-	-	-	500

### EXHAUST HOOD SCHEDULE

(1) REMOTE CONTROL PANEL MCD-75 (2) DRY CHEMICAL FIRE EXTINGUISHING SYSTEM

PLAN SYMBOL	LOCATION	DIMENSIONS L X DEPTH	AIR DATA		WATER DATA			DUCT COLLAR	ACC.	MFR.	MODEL NUMBER
			CFM	P.D. "W.C.	H.W. GPM	WASH TIME MIN.	C.W. GPH				
EH-1	150	10'-0"X4'-0"	2500	1.5"	5.6	3	3.5	12X30	(1)	MOLI-TRON	HC120-48
EH-2	150	10'-0"X4'-0"	2500	1.5"	5.6	3	3.5	12X30	(1)	MOLI-TRON	HC120-48
EH-3	1500	7'-0"X3'-6"	1750	1.5"	3.6	3	3.5	12X21	(1)(2)	MOLI-TRON	HC84-42

### AIR COMPRESSOR & DRYER SCHEDULE


(1) TO BE DETERMINED BY CONTRACTOR (2) 1 RECEIVER SERVES BOTH COMPRESSORS

PLAN SYMBOL	LOCATION	COMPRESSOR DATA				DRYER DATA				ELECTRICAL		
		CAP. SCFM	DISCH. PRESS. PSIG	RECEIVER VOLUME GALLONS (2)	STAGES	CAP CFM	AMB. TEMP. °F	INLET AIR TEMP. °F	PRESS. DEW PT. °F	HP	VOLT	PH
CAC-1	B07	(1)	(1)	60	(1)	(1)	40°	(1)	35°	2	480	3
CAC-2	B07	(1)	(1)	60	(1)	(1)	40°	(1)	35°	2	480	3

### VAV BOX SCHEDULE

(1) AS SHOWN ON DRAWINGS (2) TO FIT DUCT SIZE AS SHOWN ON DRAWINGS

PLAN SYMBOL	AIR DATA				DIMENSIONS			CONTROL		REMARKS
	CFM	SP. MAX. WC	NC. MAX.		INLET DIA.	OUTLET SIZE	LENGTH, WITH ATTENUATOR	FAIL TO	TYPE	
VAV-1	40	200	0.35"	35	4"	(2)	36"	N.O.	PNEUM.	
VAV-2	75	300	0.40"	35	5"	(2)	36"	N.O.	PNEUM.	
VAV-3	100	380	0.50"	35	6"	(2)	36"	N.O.	PNEUM.	
VAV-4	150	550	0.50"	35	7"	(2)	36"	N.O.	PNEUM.	
VAV-5	200	900	0.50"	35	9"	(2)	36"	N.O.	PNEUM.	
VAV-6	250	1250	0.50"	35	10"	(2)	36"	N.O.	PNEUM.	
VAV-7	350	1750	0.50"	35	12"	(2)	36"	N.O.	PNEUM.	
VAV-8	450	2300	0.50"	35	14"	(2)	36"	N.O.	PNEUM.	
VAV-9	840	3100	0.50"	35	16"	(2)	36"	N.O.	PNEUM.	

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		DRAWN: JKJ CHECKED: MWP APPROVED: JCH		DATE: AUG. 4, 1983
		PROJECT NO. 82182.00		SCHEDULES

# ABBREVIATIONS

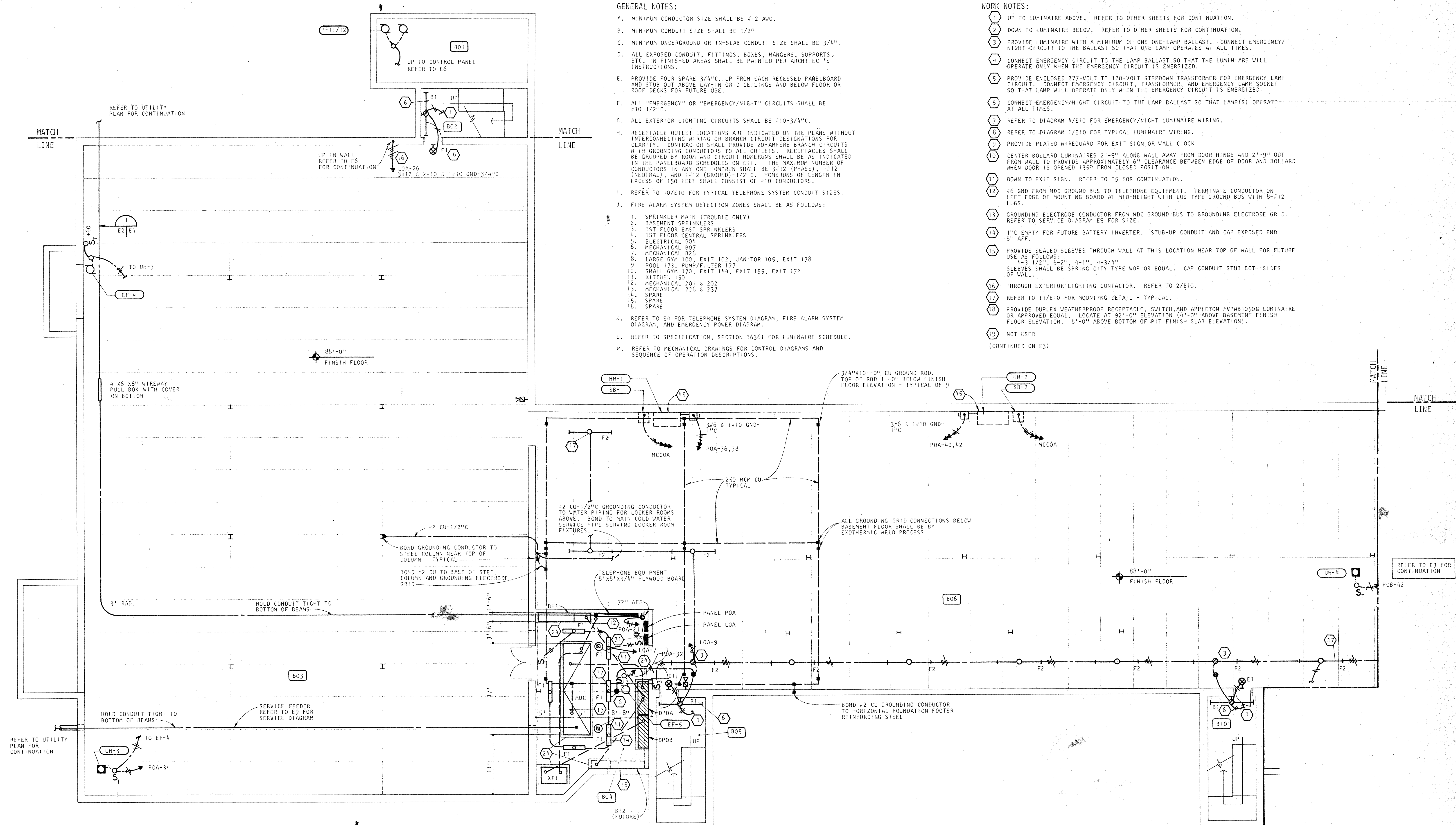
<b>A</b>	AMPERE	<b>M</b>	MAXIMUM
<b>AC</b>	ALTERNATING CURRENT	<b>MCC</b>	MOTOR CONTROL CENTER
<b>ACSR</b>	ALUMINUM CONDUCTOR STEEL REINFORCED	<b>MCM</b>	THOUSAND CIRCULAR MILLS
<b>AF</b>	ABOVE FINISHED FLOOR	<b>MDC</b>	MAIN DISTRIBUTION CENTER
<b>AFG</b>	ABOVE FINISHED GRADE	<b>MECH</b>	MECHANICAL
<b>AIC</b>	AMPS INTERRUPTING CAPACITY	<b>MFR</b>	MANUFACTURER
<b>ANSI</b>	AMERICAN NATIONAL STANDARDS INSTITUTE	<b>MG</b>	MOTOR GENERATOR
<b>ATS</b>	AUTOMATIC TRANSFER SWITCH	<b>MM</b>	METAL HALIDE
<b>AUTO</b>	AUTOMATIC	<b>MIN</b>	MINIMUM
		<b>MOT</b>	MOTOR
		<b>MTD</b>	MOUNTED
<b>B</b>	BUILDING	<b>N</b>	NORMALLY CLOSED
<b>BRGG</b>	BRACING	<b>NDC</b>	NORMAL DISTRIBUTION CENTER
		<b>NEC</b>	NATIONAL ELECTRICAL CODE
		<b>NEMA</b>	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
<b>C</b>	CONDUIT	<b>NIC</b>	NOT IN CONTRACT
<b>CB</b>	CIRCUIT BREAKER	<b>NO</b>	NORMALLY OPEN
<b>CL</b>	CENTER LINE	<b>NTS</b>	NOT TO SCALE
<b>CDC</b>	CRITICAL DISTRIBUTION CENTER	<b>O</b>	OPEN AIR
<b>CKT</b>	CIRCUIT	<b>OC</b>	ON CENTERS
<b>COM</b>	COMMON	<b>OPNG</b>	OPENING
<b>CU</b>	COPPER		
<b>D</b>	DIRECT CURRENT	<b>P</b>	POLE
<b>DN</b>	DOWN	<b>PA</b>	PUBLIC ADDRESS
		<b>PBD</b>	PANELBOARD
		<b>PBS</b>	PUSH BUTTON STATION
<b>E</b>	EACH	<b>PH, Ø</b>	PHASE
<b>ELEC</b>	ELECTRIC	<b>PNI</b>	PORCELAIN
<b>EL</b>	ELEVATION	<b>PORC</b>	PORCELAIN
<b>EMCC</b>	EMERGENCY MOTOR CONTROL CENTER		
<b>EMD</b>	ESTIMATED MAXIMUM DEMAND	<b>R</b>	RESISTOR
<b>EMT</b>	ELECTRICAL METAL TUBING	<b>RC</b>	REMOTE CONTROL
<b>ENCL</b>	ENCLOSURE	<b>RE</b>	RECEPTACLE
<b>EP</b>	EXPLOSION PROOF	<b>RECP</b>	RECEPTACLE
<b>EQUIP</b>	EQUIPMENT	<b>RNM</b>	RIGID NONMETALLIC CONDUIT
<b>EW</b>	ELECTRIC WATER COOLER	<b>RNR</b>	REDUCED VOLTAGE NON REVERSING AUTOTRANSFORMER
<b>EWL</b>	ELECTRIC WATER HEATER	<b>RNR-R</b>	REDUCED VOLTAGE NON REVERSING RESISTOR START
<b>EXIT</b>	EXITING		
<b>EXT</b>	EXTERIOR		
<b>F</b>	FOOTCANDLE	<b>S</b>	SECTION
<b>FC</b>	FULL CAPACITY ABOVE NORMAL	<b>S1</b>	SHEET
<b>FLAN</b>	FULL CAPACITY BELOW NORMAL	<b>S2</b>	SIMILAR
<b>FCBN</b>	FIXTURE	<b>S3</b>	SPEAKER
<b>FIX</b>	FLOUORESCENT	<b>S4</b>	SELECTION
<b>FLU</b>	FEET	<b>S5</b>	SECTION
<b>FT</b>	FEET	<b>S6</b>	SECTION
<b>FVNR</b>	FULL VOLTAGE NON REVERSING	<b>S7</b>	SECTION
		<b>S8</b>	SECTION
<b>G</b>	GROUND	<b>S9</b>	SECTION
<b>GRC</b>	GALVANIZED RIGID CONDUIT	<b>S10</b>	SECTION
		<b>S11</b>	SECTION
<b>H</b>	HIGH INTENSITY DISCHARGE	<b>S12</b>	SECTION
<b>HOA</b>	HAND-OFF-AUTOMATIC	<b>S13</b>	SECTION
<b>HP</b>	HORSEPOWER	<b>S14</b>	SECTION
<b>HPS</b>	HIGH PRESSURE SODIUM	<b>S15</b>	SECTION
<b>HZ</b>	HERTZ	<b>S16</b>	SECTION
		<b>S17</b>	SECTION
<b>I</b>	INTERCOM	<b>S18</b>	SECTION
<b>IES</b>	ILLUMINATING ENGINEERING SOCIETY	<b>S19</b>	SECTION
<b>IMC</b>	INTERMEDIATE METAL CONDUIT	<b>S20</b>	SECTION
<b>INC</b>	INCANDESCENT	<b>S21</b>	SECTION
<b>INT</b>	INTERIOR	<b>S22</b>	SECTION
		<b>S23</b>	SECTION
<b>J</b>	JUNCTION BOX	<b>S24</b>	SECTION
		<b>S25</b>	SECTION
<b>K</b>	KILOVOLT AMPERES	<b>S26</b>	SECTION
<b>KV</b>	KILOVOLT	<b>S27</b>	SECTION
<b>KW</b>	KILOWATT	<b>S28</b>	SECTION
		<b>S29</b>	SECTION
<b>L</b>	LUMEN	<b>S30</b>	SECTION
<b>LD</b>	LOAD	<b>S31</b>	SECTION
<b>LT</b>	LIQUIDTIGHT	<b>S32</b>	SECTION
<b>LTC</b>	LIGHTING	<b>S33</b>	SECTION
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**GENERAL NOTES:**

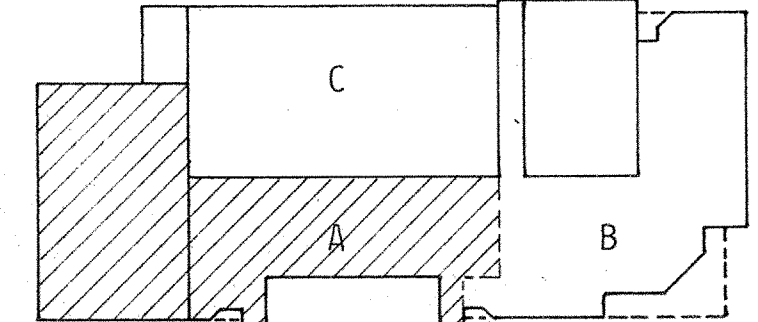
- A. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG.
- B. MINIMUM CONDUIT SIZE SHALL BE 1/2"
- C. MINIMUM UNDERGROUND OR IN-SLAB CONDUIT SIZE SHALL BE 3/4"
- D. ALL EXPOSED CONDUIT, FITTINGS, BOXES, HANGERS, SUPPORTS, ETC. IN FINISHED AREAS SHALL BE PAINTED PER ARCHITECT'S INSTRUCTIONS.
- E. PROVIDE FOUR SPARE 3/4" CU. UP FROM EACH RECESSED PANELBOARD AND STUB OUT ABOVE LAY-IN GRID CEILINGS AND BELOW FLOOR OR ROOF DECKS FOR FUTURE USE.
- F. ALL "EMERGENCY" OR "EMERGENCY/NIGHT" CIRCUITS SHALL BE #10-1/2" C.
- G. ALL EXTERIOR LIGHTING CIRCUITS SHALL BE #10-3/4" C.
- H. RECEPTACLE OUTLET LOCATIONS ARE INDICATED ON THE PLANS WITHOUT INTERCONNECTING WIRING OR BRANCH CIRCUIT DESIGNATIONS FOR CLARITY. CONTRACTOR SHALL PROVIDE 20-AMPERE BRANCH CIRCUITS WITH GROUNDING CONDUCTORS TO ALL OUTLETS. RECEPTACLES SHALL BE GROUPED BY ROOM AND CIRCUIT HOMERUNS SHALL BE AS INDICATED IN THE PANELBOARD SCHEDULES ON E11. THE MAXIMUM NUMBER OF CONDUCTORS IN ANY ONE HOMERUN SHALL BE 3-12 (PHASE), 1-12 (NEUTRAL), AND 1-12 (GROUND)-1/2" C. HOMERUNS OF LENGTH IN EXCESS OF 150 FEET SHALL CONSIST OF #10 CONDUCTORS.
- I. REFER TO 10/E10 FOR TYPICAL TELEPHONE SYSTEM CONDUIT SIZES.
- J. FIRE ALARM SYSTEM DETECTION ZONES SHALL BE AS FOLLOWS:
  - 1. SPRINKLER MAIN (TROUBLE ONLY)
  - 2. BASEMENT SPRINKLERS
  - 3. 1ST FLOOR EAST SPRINKLERS
  - 4. 1ST FLOOR CENTRAL SPRINKLERS
  - 5. ELECTRICAL B04
  - 6. MECHANICAL B07
  - 7. MECHANICAL B26
  - 8. LARGE GYM 100, EXIT 102, JANITOR 105, EXIT 178
  - 9. POOL 173, PUMP/FILTER 177
  - 10. SMALL GYM 170, EXIT 144, EXIT 155, EXIT 172
  - 11. KITCHEN 150
  - 12. MECHANICAL 201 & 202
  - 13. MECHANICAL 226 & 237
  - 14. SPARE
  - 15. SPARE
  - 16. SPARE
- K. REFER TO E4 FOR TELEPHONE SYSTEM DIAGRAM, FIRE ALARM SYSTEM DIAGRAM, AND EMERGENCY POWER DIAGRAM.
- L. REFER TO SPECIFICATION, SECTION 16361 FOR LUMINAIRE SCHEDULE.
- M. REFER TO MECHANICAL DRAWINGS FOR CONTROL DIAGRAMS AND SEQUENCE OF OPERATION DESCRIPTIONS.

**WORK NOTES:**

- 1 UP TO LUMINAIRE ABOVE. REFER TO OTHER SHEETS FOR CONTINUATION.
  - 2 DOWN TO LUMINAIRE BELOW. REFER TO OTHER SHEETS FOR CONTINUATION.
  - 3 PROVIDE LUMINAIRE WITH A MINIMUM OF ONE ONE-LAMP BALLAST. CONNECT EMERGENCY/NIGHT CIRCUIT TO THE BALLAST SO THAT ONE LAMP OPERATES AT ALL TIMES.
  - 4 CONNECT EMERGENCY CIRCUIT TO THE LAMP BALLAST SO THAT THE LUMINAIRE WILL OPERATE ONLY WHEN THE EMERGENCY CIRCUIT IS ENERGIZED.
  - 5 PROVIDE ENCLOSED 277-VOLT TO 120-VOLT STEPDOWN TRANSFORMER FOR EMERGENCY LAMP CIRCUIT. CONNECT EMERGENCY CIRCUIT, TRANSFORMER, AND EMERGENCY LAMP SOCKET SO THAT LAMP WILL OPERATE ONLY WHEN THE EMERGENCY CIRCUIT IS ENERGIZED.
  - 6 CONNECT EMERGENCY/NIGHT CIRCUIT TO THE LAMP BALLAST SO THAT LAMP(S) OPERATE AT ALL TIMES.
  - 7 REFER TO DIAGRAM 4/E10 FOR EMERGENCY/NIGHT LUMINAIRE WIRING.
  - 8 REFER TO DIAGRAM 1/E10 FOR TYPICAL LUMINAIRE WIRING.
  - 9 PROVIDE PLATED WIREGUARD FOR EXIT SIGN OR WALL CLOCK
  - 10 CENTER BOLLARD LUMINAIRES 2'-9" ALONG WALL AWAY FROM DOOR HINGE AND 2'-9" OUT FROM WALL TO PROVIDE APPROXIMATELY 6" CLEARANCE BETWEEN EDGE OF DOOR AND BOLLARD WHEN DOOR IS OPENED 135° FROM CLOSED POSITION.
  - 11 DOWN TO EXIT SIGN. REFER TO E5 FOR CONTINUATION.
  - 12 #6 GND FROM MDC GROUND BUS TO TELEPHONE EQUIPMENT. TERMINATE CONDUCTOR ON LEFT EDGE OF MOUNTING BOARD AT MID-HEIGHT WITH LUG TYPE GROUND BUS WITH 8-#12 LUGS.
  - 13 GROUNDING ELECTRODE CONDUCTOR FROM MDC GROUND BUS TO GROUNDING ELECTRODE GRID. REFER TO SERVICE DIAGRAM E9 FOR SIZE.
  - 14 1" C EMPTY FOR FUTURE BATTERY INVERTER. STUB-UP CONDUIT AND CAP EXPOSED END 6" AFF.
  - 15 PROVIDE SEALED SLEEVES THROUGH WALL AT THIS LOCATION NEAR TOP OF WALL FOR FUTURE USE AS FOLLOWS:
    - 4-3 1/2" 6-2" 4-1" 4-3/4"
 SLEEVES SHALL BE SPRING CITY TYPE WDP OR EQUAL. CAP CONDUIT STUB BOTH SIDES OF WALL.
  - 16 THROUGH EXTERIOR LIGHTING CONTACTOR. REFER TO 2/E10.
  - 17 REFER TO 11/E10 FOR MOUNTING DETAIL - TYPICAL.
  - 18 PROVIDE DUPLEX WEATHERPROOF RECEPTACLE, SWITCH, AND APPLETON #VPWB1050G LUMINAIRE OR APPROVED EQUAL. LOCATE AT 92'-0" ELEVATION (4'-0" ABOVE BASEMENT FINISH FLOOR ELEVATION, 8'-0" ABOVE BOTTOM OF PIT FINISH SLAB ELEVATION).
  - 19 NOT USED
- (CONTINUED ON E3)



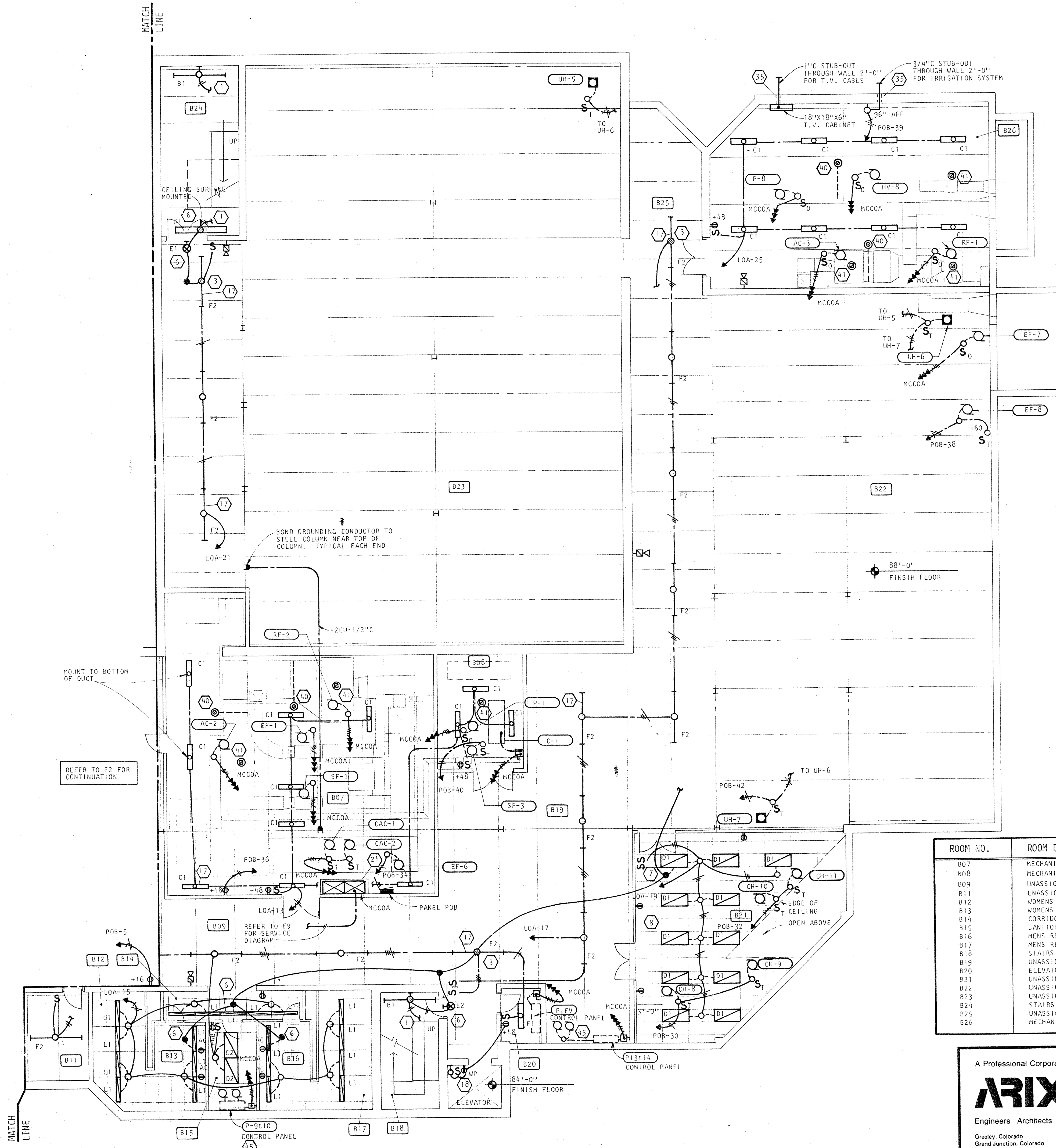
ROOM NO.	ROOM DESCRIPTION
B01	PUMP & FILTER ROOM
B02	STAIRS
B03	UNASSIGNED
B04	ELECTRICAL ROOM
B05	STAIRS
B06	UNASSIGNED
B10	STAIRS



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		DRAWN EAA CHECKED DLW APPROVED JCH	

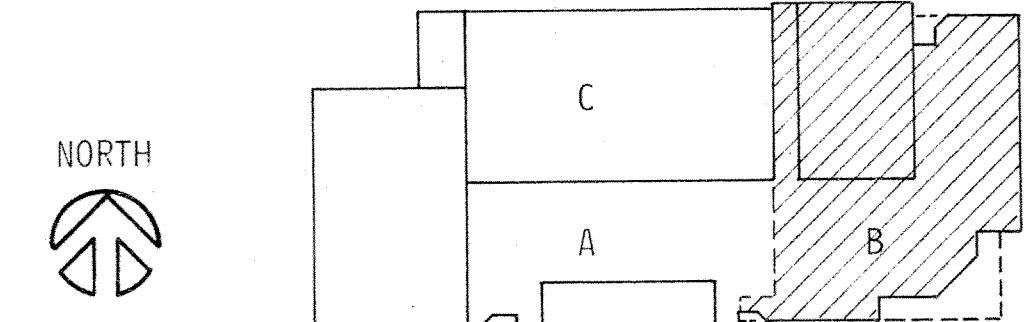
E2  
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05





- WORK NOTES (CONTINUED FROM E2)
- 20 PROVIDE WIREMOLD #20GB618 MULTIOUTLET ASSEMBLY WITH #2051H FLUSH PLATE ADAPTERS, OR APPROVED EQUAL, BELOW UPPER SHELF AND ABOVE DESKTOP SURFACE.
  - 21 REFER TO 5/E10 FOR POOL EQUIPMENT AND CONTROL DIAGRAM.
  - 22 ALTERNATE ACRYLIC LENS AND GLASS SHIELD SO THAT THE GLASS IS FLUSH WITH THE CEILING AND ACRYLIC IS BELOW THE LENS. SECURE LENS DOORS TO HOUSING WITH SCREWS TO PREVENT ACCIDENTAL DOOR OPENING.
  - 23 3/4" C. TO T.V. CABINET IN BASEMENT. REFER TO E3 FOR CABINET LOCATION.
  - 24 4" HIGH REINFORCED CONCRETE EQUIPMENT PAD MINIMUM 6" BEYOND EQUIPMENT FOOTPRINT. EXACT DIMENSIONS AND LOCATION TO BE DETERMINED BY THE CONTRACTOR.
  - 25 1-1/2" DIAMETER BLACK STEEL PIPE WITH CAPPED ENDS RIGIDLY SUSPENDED FROM ROOF JOISTS 23'-9" AFF FOR LUMINAIRE MOUNTING. PAINT FLAT BLACK.
  - 26 DUPLEX NEMA L5-20R RECEPTACLES LOCATED WITHIN 24" OF LUMINAIRES.
  - 27 SOUND SYSTEM EQUIPMENT. REFER TO SOUND SYSTEM DRAWINGS SS-1 THROUGH SS-10.
  - 28 4" SQUARE RECESSED BOX 48" AFF, 4'-3/4" FLEXIBLE METAL CONDUIT CENTERED IN COVER PLATE, CONNECT TO SOUND SYSTEM EQUIPMENT CIRCUIT BREAKERS.
  - 29 2#8 & 1#10 GND-3/4" C. BETWEEN TRANSFORMER AND EQUIPMENT.
  - 30 4" SQUARE RECESSED BOX, 36" AFF, 4'-1/2" FLEXIBLE METAL CONDUIT CENTERED IN COVER PLATE, CONNECT TO SOUND SYSTEM EQUIPMENT CIRCUIT BREAKERS.
  - 31 EXTERIOR LIGHTING TIMESWITCH AND CONTACTOR TO BE LOCATED ABOVE PANELBOARD LOA. REFER TO 2/E10.
  - 32 FIRE ALARM SYSTEM REMOTE ANNUNCIATOR.
  - 33 PROVIDE ENCLOSED 277-VOLT TO 120-VOLT 2.0 KVA STEPDOWN SHIELDING TRANSFORMER FOR SOUND SYSTEM EQUIPMENT. GE NO. 9T518192G3 OR APPROVED EQUAL. LOCATE TRANSFORMER ON WALL DIRECTLY ABOVE SOUND EQUIPMENT ABOVE CEILING.
  - 34 PROVIDE ENCLOSED 277-VOLT TO 120-VOLT 5.0 KVA STEPDOWN SHIELDING TRANSFORMER FOR SOUND SYSTEM EQUIPMENT. GE NO. 9T2181046G4 OR APPROVED EQUAL. LOCATE TRANSFORMER ON WALL DIRECTLY ABOVE SOUND EQUIPMENT ABOVE CEILING.
  - 35 SPRING CITY TYPE WDP OR EQUAL SEALED SLEEVE THROUGH EXTERIOR WALL BELOW FINISH GRADE.
  - 36 CONNECT HOOD LIGHTS TO LIGHTING CIRCUIT FROM RESPECTIVE HOOD CONTROL PANEL.
  - 37 PROVIDE 277-VOLT TO 120-VOLT STEPDOWN TRANSFORMER WITHIN LUMINAIRE HOUSING FOR EMERGENCY LAMP CIRCUIT. CONNECT EMERGENCY CIRCUIT, TRANSFORMER, AND EMERGENCY LAMP SOCKET SO THAT LAMP WILL OPERATE ONLY WHEN THE EMERGENCY CIRCUIT IS ENERGIZED.
  - 38 SINGLE NEMA 5-20R RECEPTACLE. INDIVIDUAL BRANCH CIRCUIT.
  - 39 SINGLE NEMA 14-20R RECEPTACLE. INDIVIDUAL BRANCH CIRCUIT. CONTRACTOR TO VERIFY PLUG CONFIGURATION OF APPLIANCE AND PROVIDE CORRECT RECEPTACLE.
  - 40 DUCT SMOKE DETECTOR. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION.
  - 41 LOCATE HEAT DETECTOR WITHIN 1'-0" OF CEILING DECK.
  - 42 LUMINAIRE SUSPENDED IN SPACE ABOVE CEILING FOR SERVICE CATWALK AREA ILLUMINATION.
  - 43 DEVICE OR OUTLET MOUNTED IN SPACE ABOVE CEILING FOR SERVICE CATWALK AREA POWER.
  - 44 SINGLE NEMA 5-20R RECEPTACLE FOR PHOTOCOPIER MACHINE.
  - 45 PROVIDE RACEWAY, BOXES, ETC. AND CONDUCTORS FOR CONTROL CIRCUITS AS REQUIRED.
  - 46 PROVIDE SINGLE-POLE CONTROL RELAY WITH 277-VOLT COIL AND 120-VOLT 10-AMPERE CONTACTS. CONNECT RELAY SO THAT EXHAUST FAN WILL OPERATE WITH LUMINAIRE.
  - 47 EXHAUST HOOD CONTROL PANELS FOR EH-1, EH-2, AND EH-3. PROVIDE 2#12 & 1#12 GND-1/2" C. FROM EACH TO PANELBOARD P1C. REFER TO E11. PROVIDE 2#12-1/2" C. FROM EACH TO RESPECTIVE FAN STARTER. PROVIDE 2#12 & 1#12 GND-1/2" C. FROM EACH TO RESPECTIVE HOOD LIGHTS.
  - 48 4" SQUARE OUTLET BOX FOR SCOREBOARD. PROVIDE 3/4" C. BETWEEN OUTLETS AND 2#12 & 1#12 GND-1/2" C. BRANCH CIRCUIT TO PANELBOARD P1B FROM EAST SCOREBOARD OUTLET. VERIFY EXACT LOCATION OF OUTLETS FROM SCOREBOARD SUBMITTAL.
  - 49 4" SQUARE OUTLET BOX FOR SCOREBOARD CONTROLLER. PROVIDE STAINLESS STEEL COVERPLATE FOR MOUNTING MULTI-PIN JACK. PROVIDE 3/4" C. TO EAST SCOREBOARD OUTLET BOX.
  - 50 SINGLE-POLE DOUBLE-THROW TOGGLE SWITCH FOR PROJECTION SCREEN CONTROL. 120V-15A. STAINLESS STEEL DEVICE PLATE WITH ENGRAVED "SCREEN UP" AND "SCREEN DOWN" LABELS.
  - 51 4" SQUARE OUTLET BOX FOR MOTORIZED PROJECTION SCREEN. VERIFY EXACT LOCATION AND MOUNTING HEIGHT.
  - 52 SOLID STATE VARIABLE SPEED MOTOR CONTROLLER LOCATED NEAR MOTOR. REFER TO SPECIFICATION SECTION 15900 FOR REQUIREMENTS.

ROOM NO.	ROOM DESCRIPTION
B07	MECHANICAL ROOM
B08	MECHANICAL ROOM
B09	UNASSIGNED
B11	UNASSIGNED
B12	WOMENS RESTROOM
B13	WOMENS RESTROOM
B14	CORRIDOR
B15	JANITOR STORAGE
B16	MENS RESTROOM
B17	MENS RESTROOM
B18	STAIRS
B19	UNASSIGNED
B20	ELEVATOR ROOM
B21	UNASSIGNED
B22	UNASSIGNED
B23	UNASSIGNED
B24	STAIRS
B25	UNASSIGNED
B26	MECHANICAL ROOM

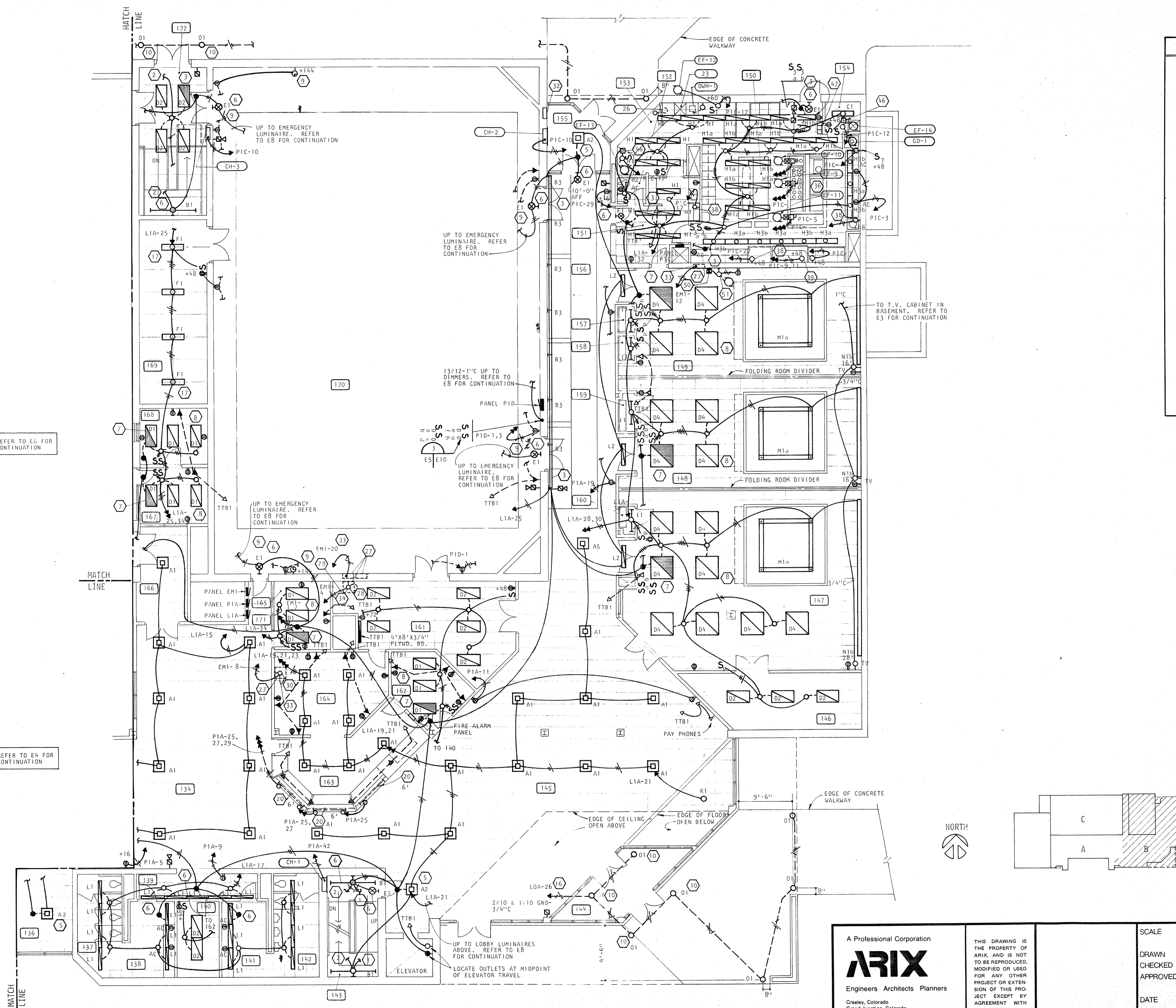


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SCALE 1/8" = 1'-0"  
 DRAWN EAA  
 CHECKED DLW  
 APPROVED JCH  
 DATE AUG. 4, 1983  
 PROJECT NO. 82183.00

COMMUNITY CENTER FOR RECREATION  
 GREELEY COLORADO  
 BASEMENT ELECTRICAL PLAN  
 PART "B"



ROOM NO.	ROOM DESCRIPTION
136	LOUNGE
137	WOMENS RESTROOM
138	WOMENS RESTROOM
139	VESTIBULE
140	STORAGE
141	MENS RESTROOM
142	MENS RESTROOM
143	STAIRS
144	VESTIBULE
145	LOBBY
146	STORAGE
147	MEETING ROOM
148	MEETING ROOM
149	MEETING ROOM
150	KITCHEN
151	CONCESSIONS
152	RESTROOM
153	DISHWASH
154	JANITOR ROOM
155	VESTIBULE
156	CORRIDOR
157	CLOSET
158	CLOSET
159	CLOSET
160	CLOSET
161	TABLE & CHAIR STORAGE
162	OFFICE
163	CONTROL
164	CLERKS
165	OFFICE
166	CORRIDOR
167	OFFICE
168	OFFICE
169	GYM STORAGE
170	AUXILIARY GYMNASIUM
171	CORRIDOR
172	VESTIBULE

REFER TO E6 FOR CONTINUATION

REFER TO E4 FOR CONTINUATION

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DATE AUG. 4, 1983  
PROJECT NO. 82183.00

COMMUNITY CENTER FOR RECREATION

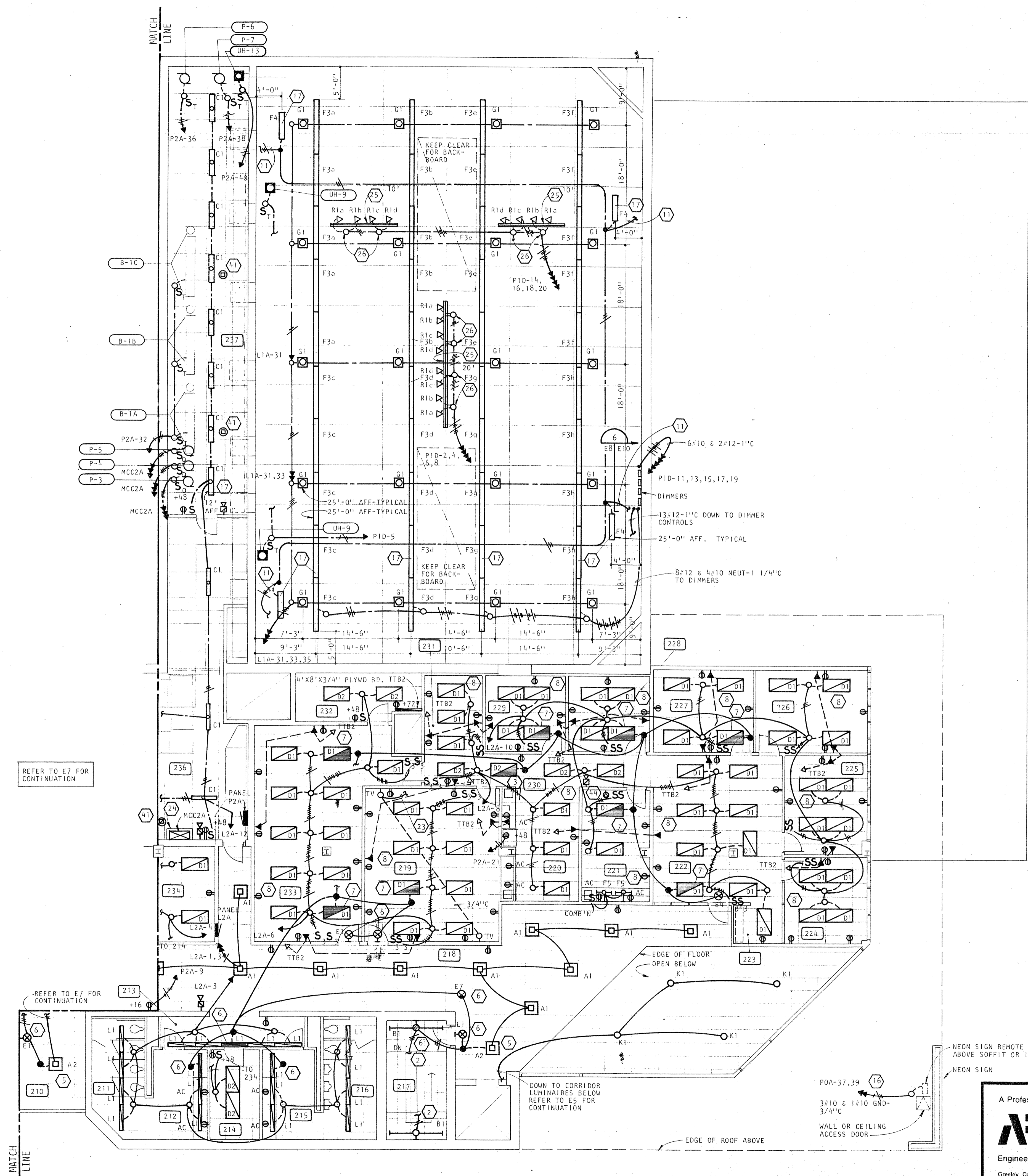
GREELEY COLORADO

FIRST FLOOR ELECTRICAL PLAN PART "B"

E5 OF 12





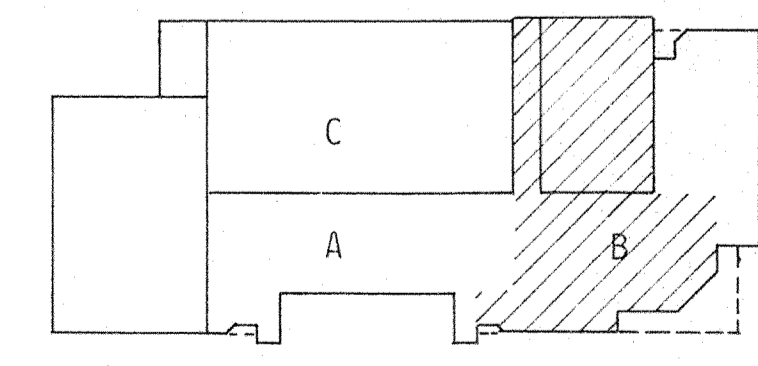
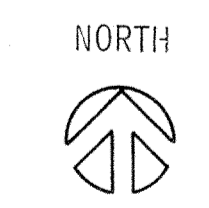


ROOM NO.	ROOM DESCRIPTION
210	LOUNGE
211	WOMENS RESTROOM
212	WOMENS RESTROOM
213	CORRIDOR
214	STORAGE
215	MENS RESTROOM
216	MENS RESTROOM
217	STAIRS
218	CORRIDOR
219	CONFERENCE ROOM
220	LOUNGE
221	WORK ROOM
222	RECEPTION AREA
223	COAT ALCOVE
224	OFFICE
225	OFFICE
226	OFFICE
227	PARK/PLAN OFFICE
228	OFFICE
229	OFFICE
230	CORRIDOR
231	OFFICE
232	STORAGE
233	MEETING ROOM
234	MEETING ROOM
236	MECHANICAL ROOM
237	MECHANICAL ROOM

REFER TO E7 FOR CONTINUATION

REFER TO E7 FOR CONTINUATION

DOWN TO CORRIDOR LUMINAIRES BELOW REFER TO E5 FOR CONTINUATION

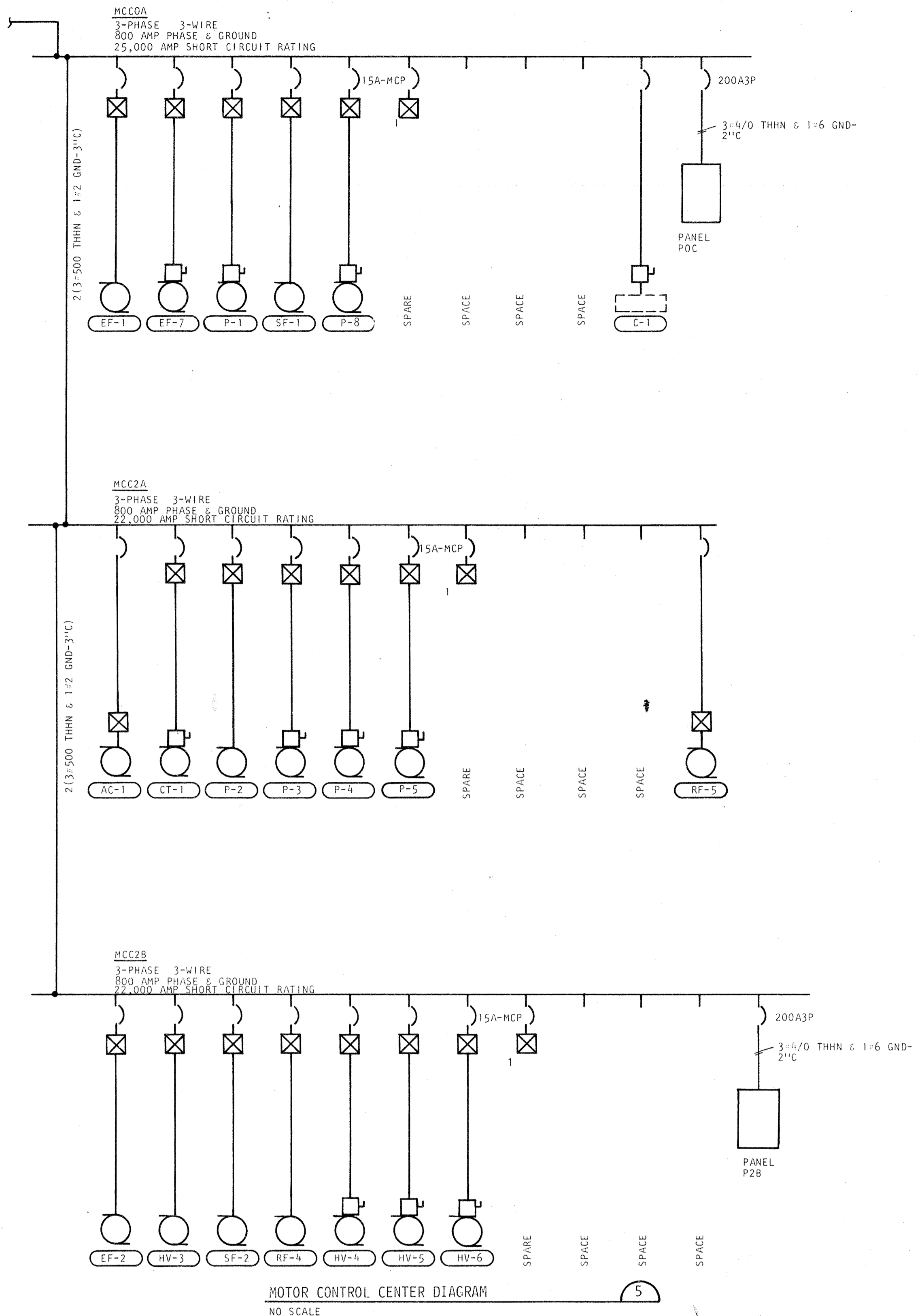


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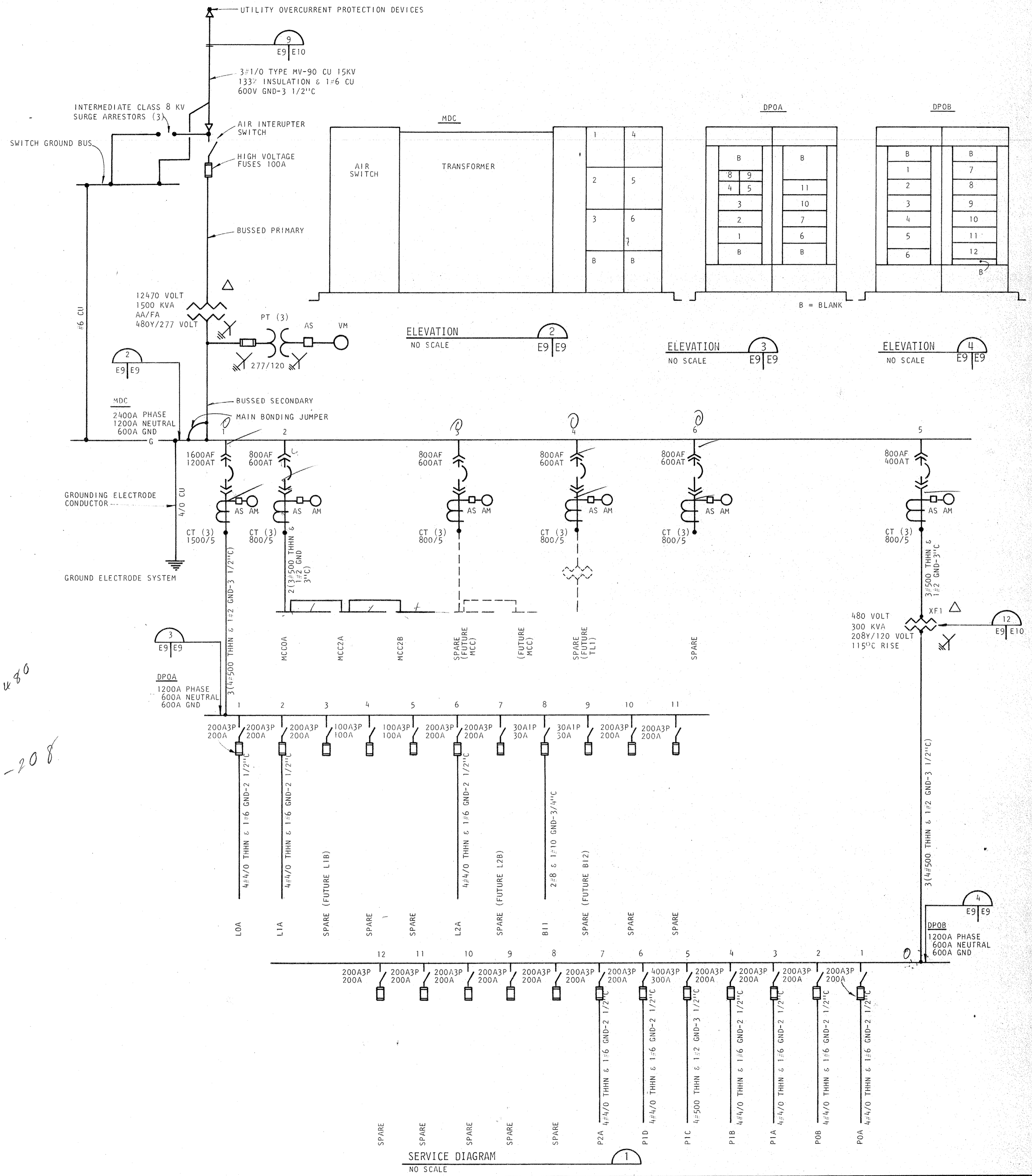
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SCALE 1/8" = 1'-0"  
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 PROJECT NO. 82183.00

COMMUNITY CENTER FOR RECREATION  
 GREELEY COLORADO  
 FLOOR PLAN



4-280  
2-208



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	DATE: AUG. 4, 1983 PROJECT NO: 82183.00	DIAGRAMS		
			E9 OF 12	

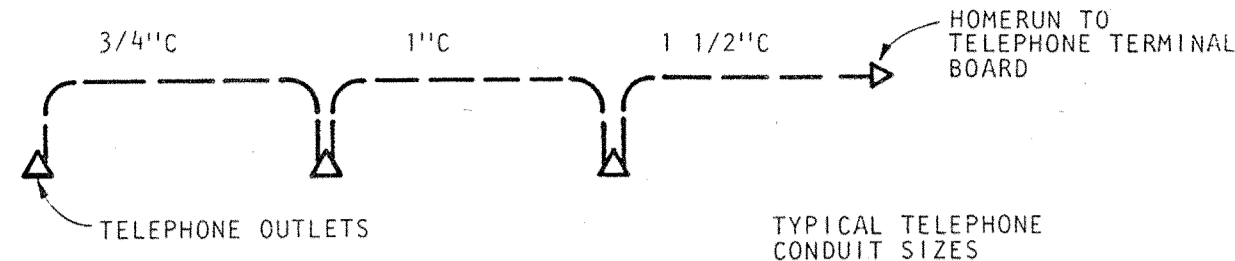


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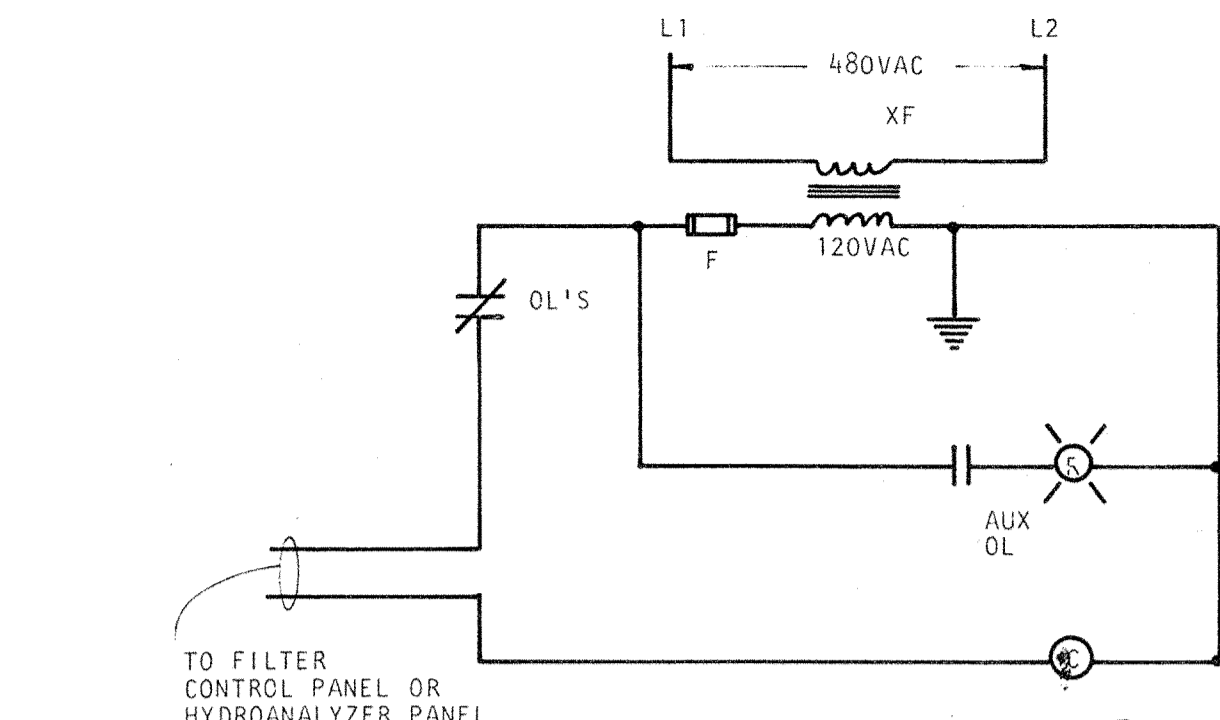
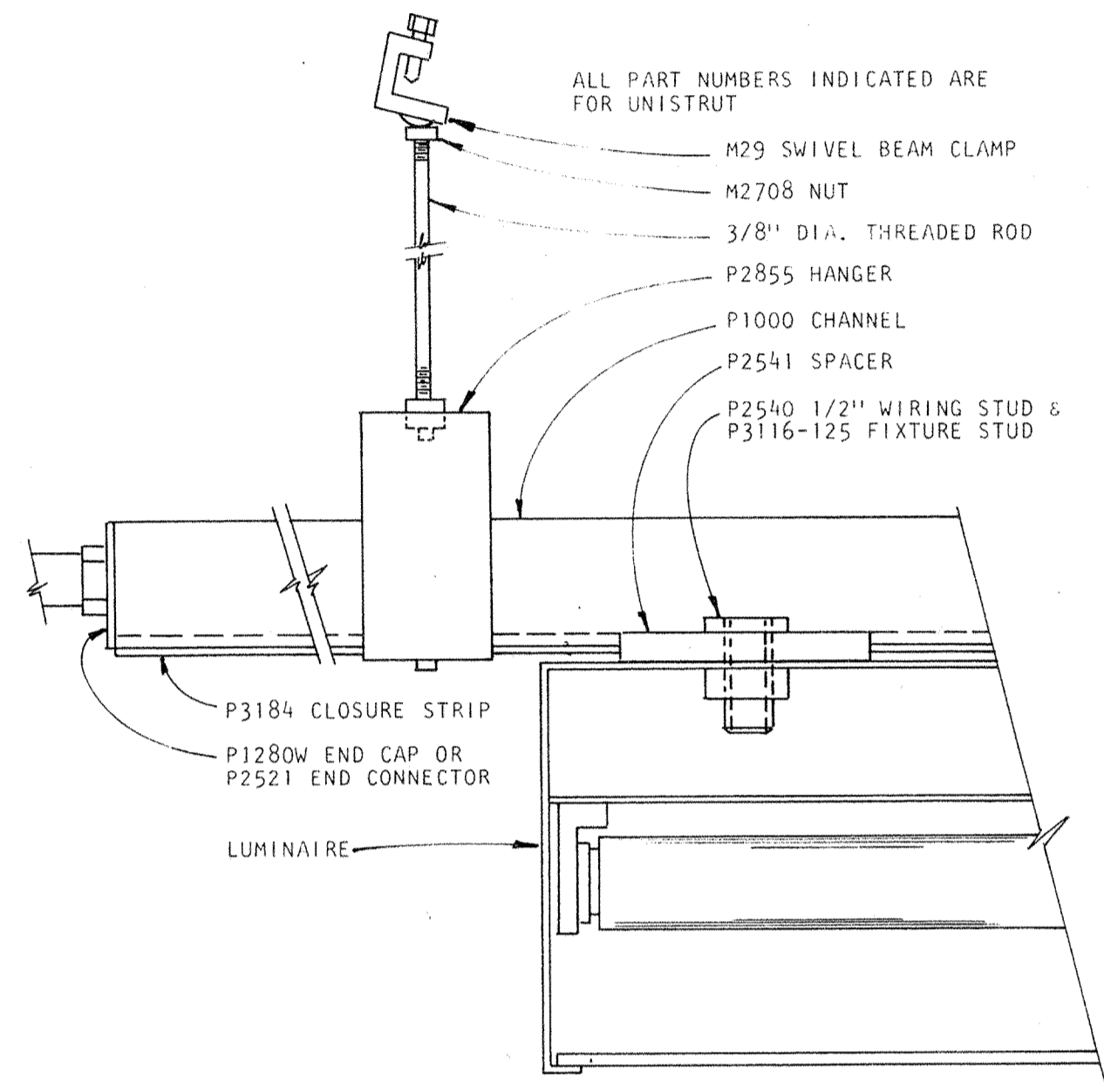


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DETAIL NO SCALE E2 | E10 E8

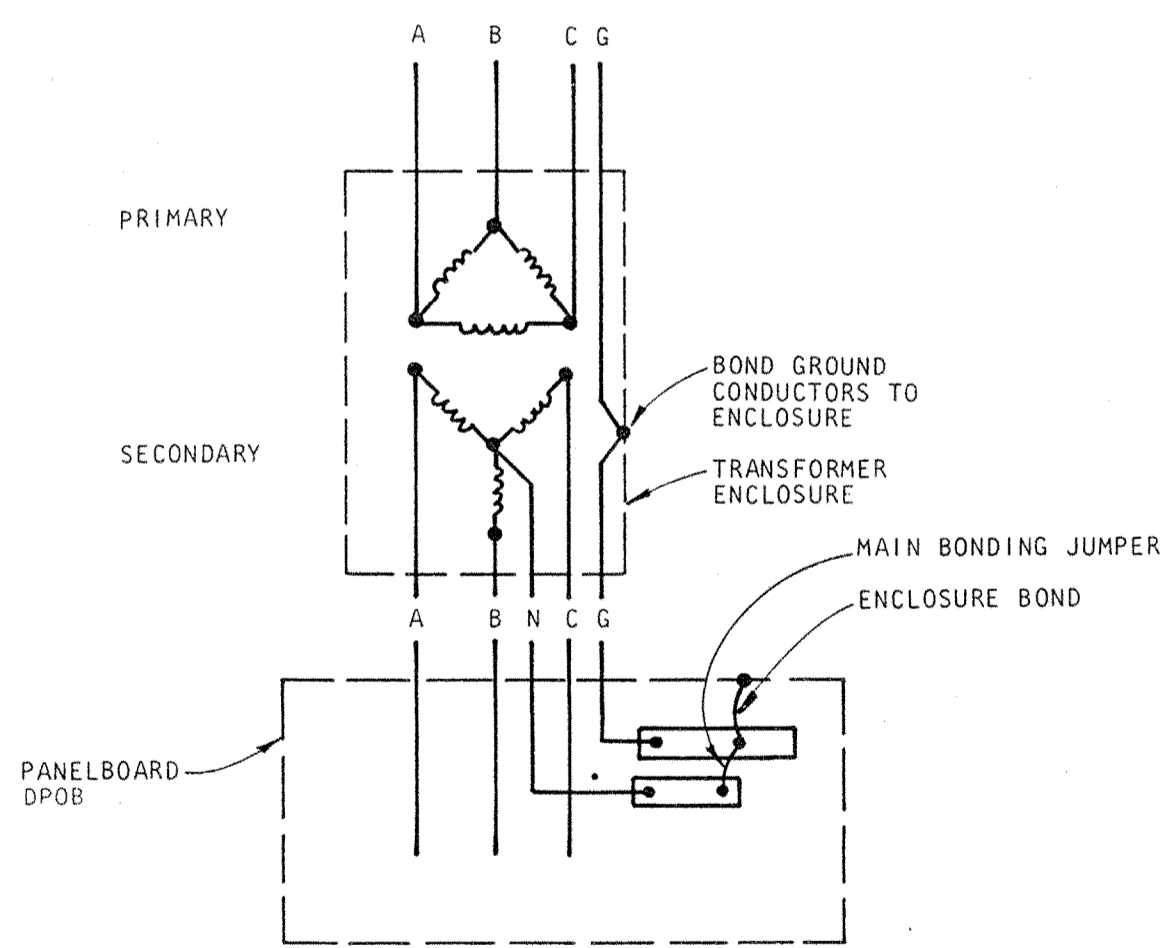


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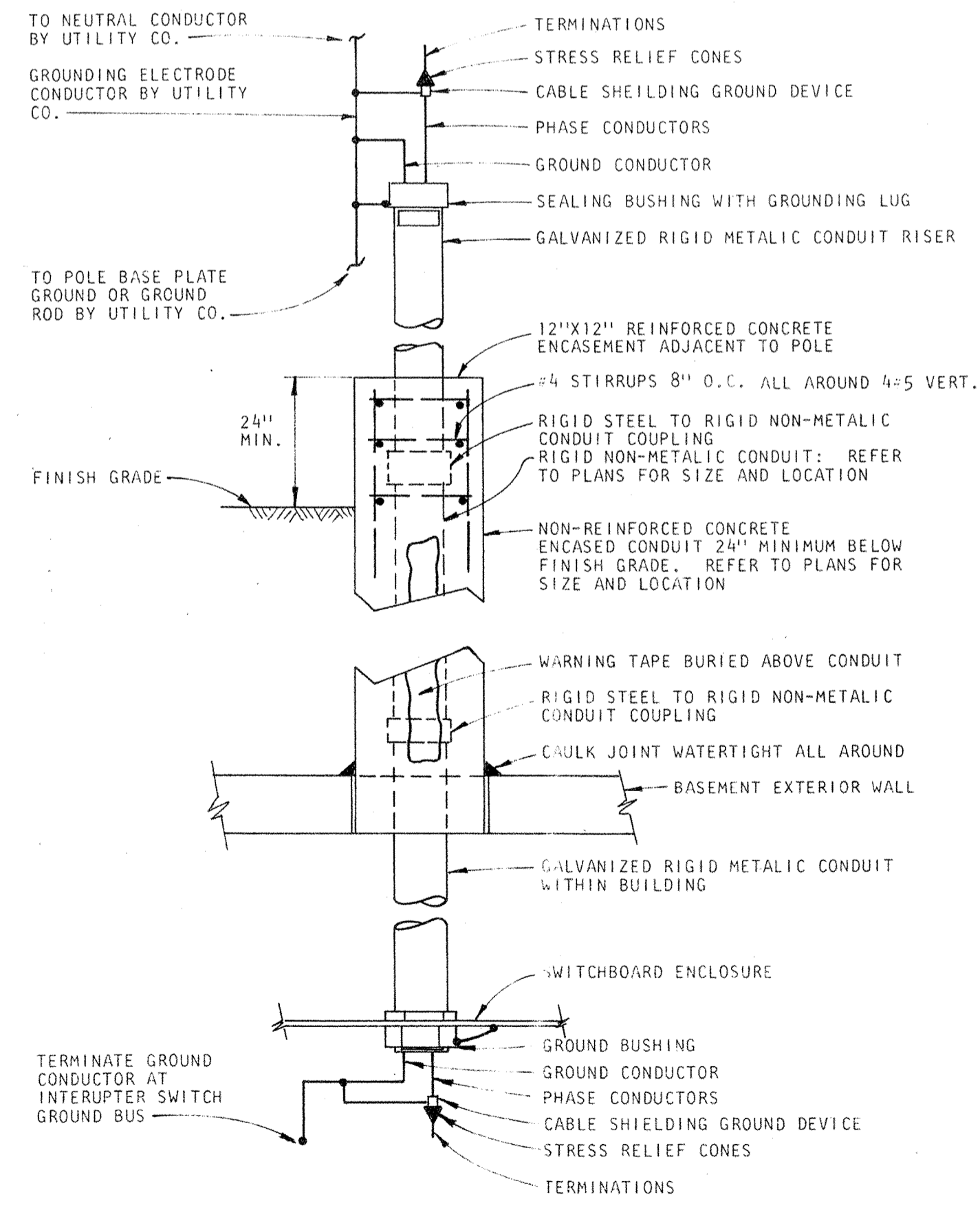


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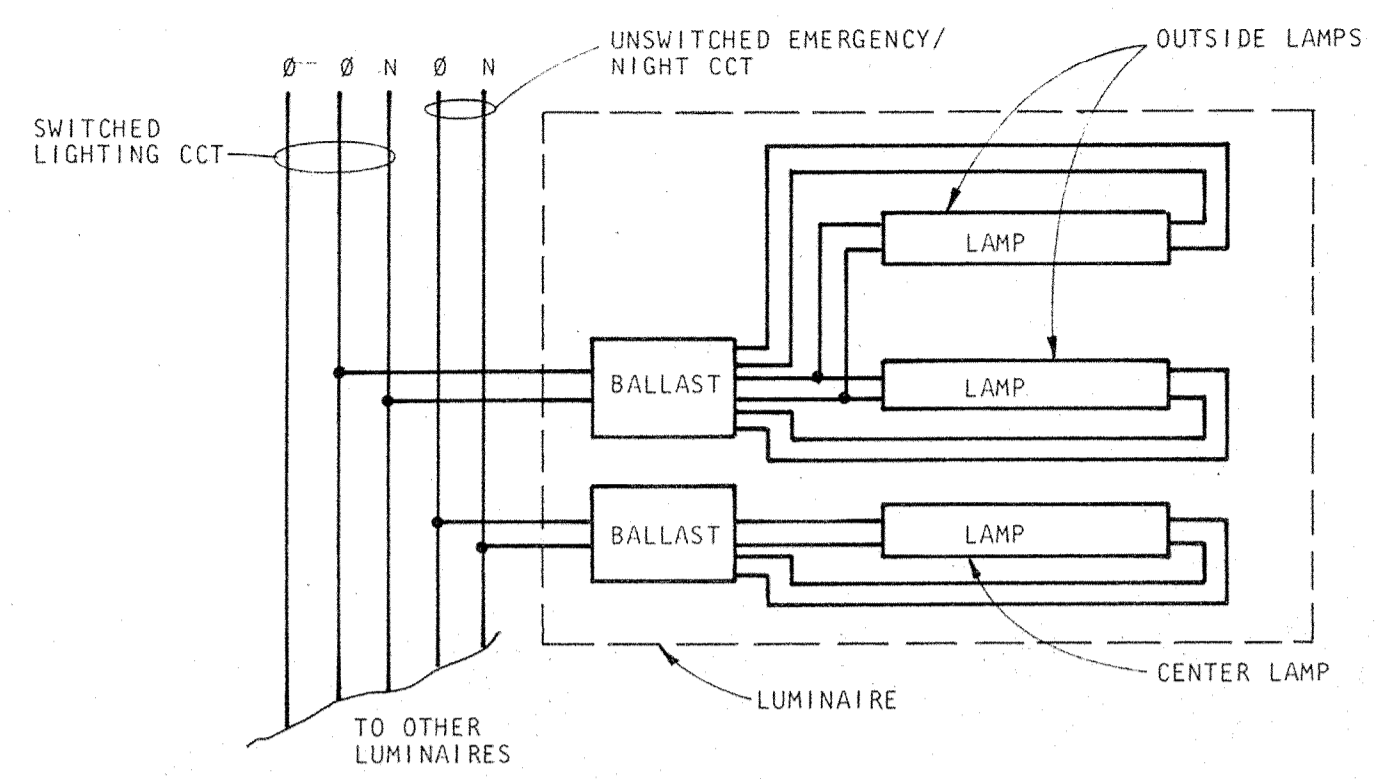


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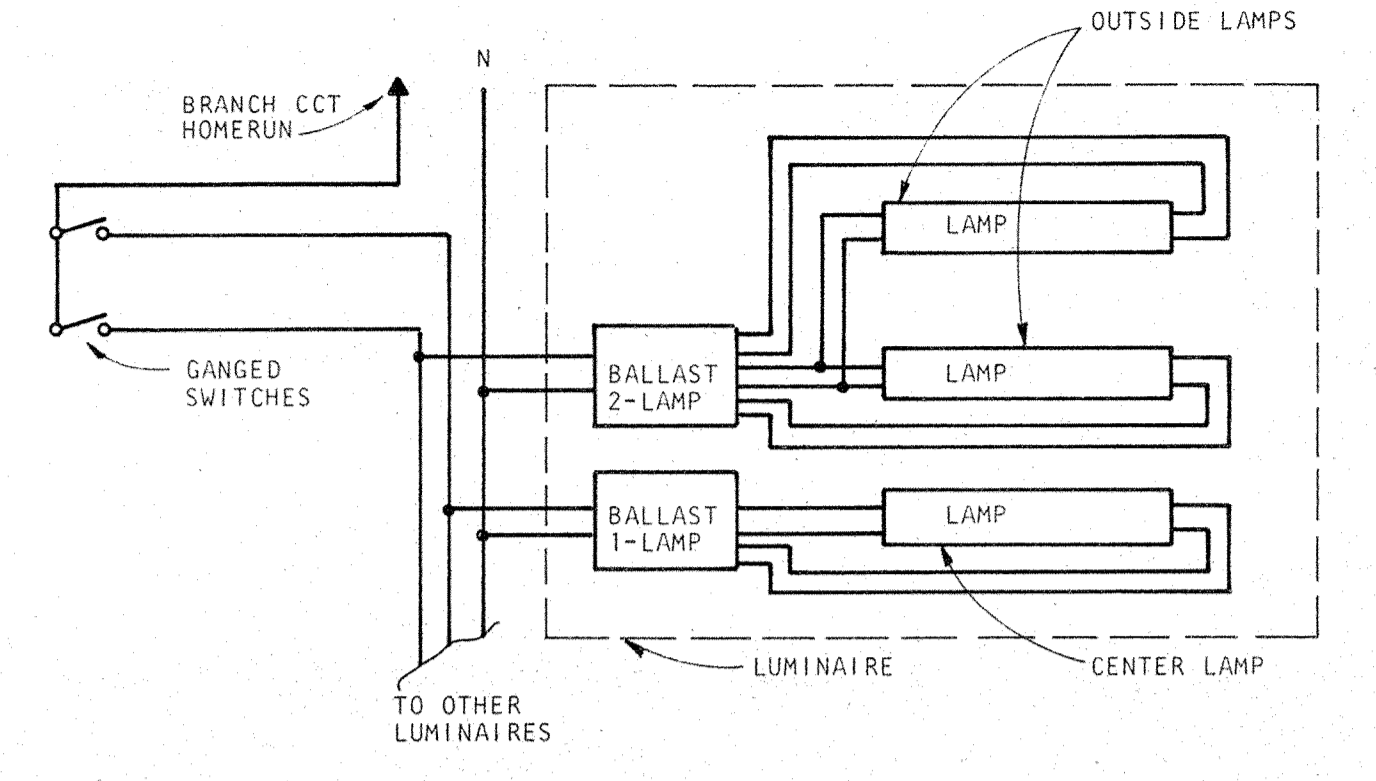


DIAGRAM NO SCALE E4 | E10 E5 E7 E8

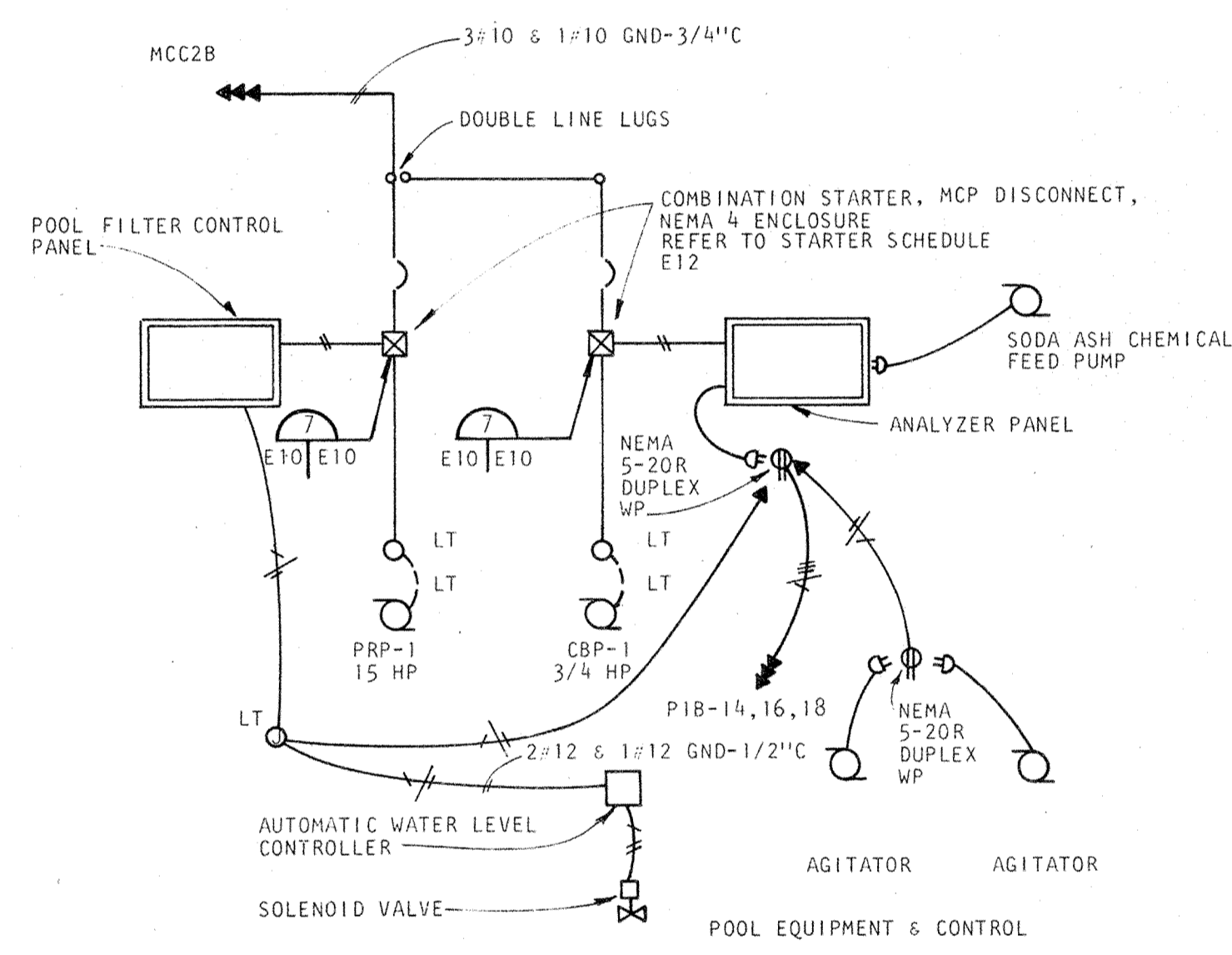
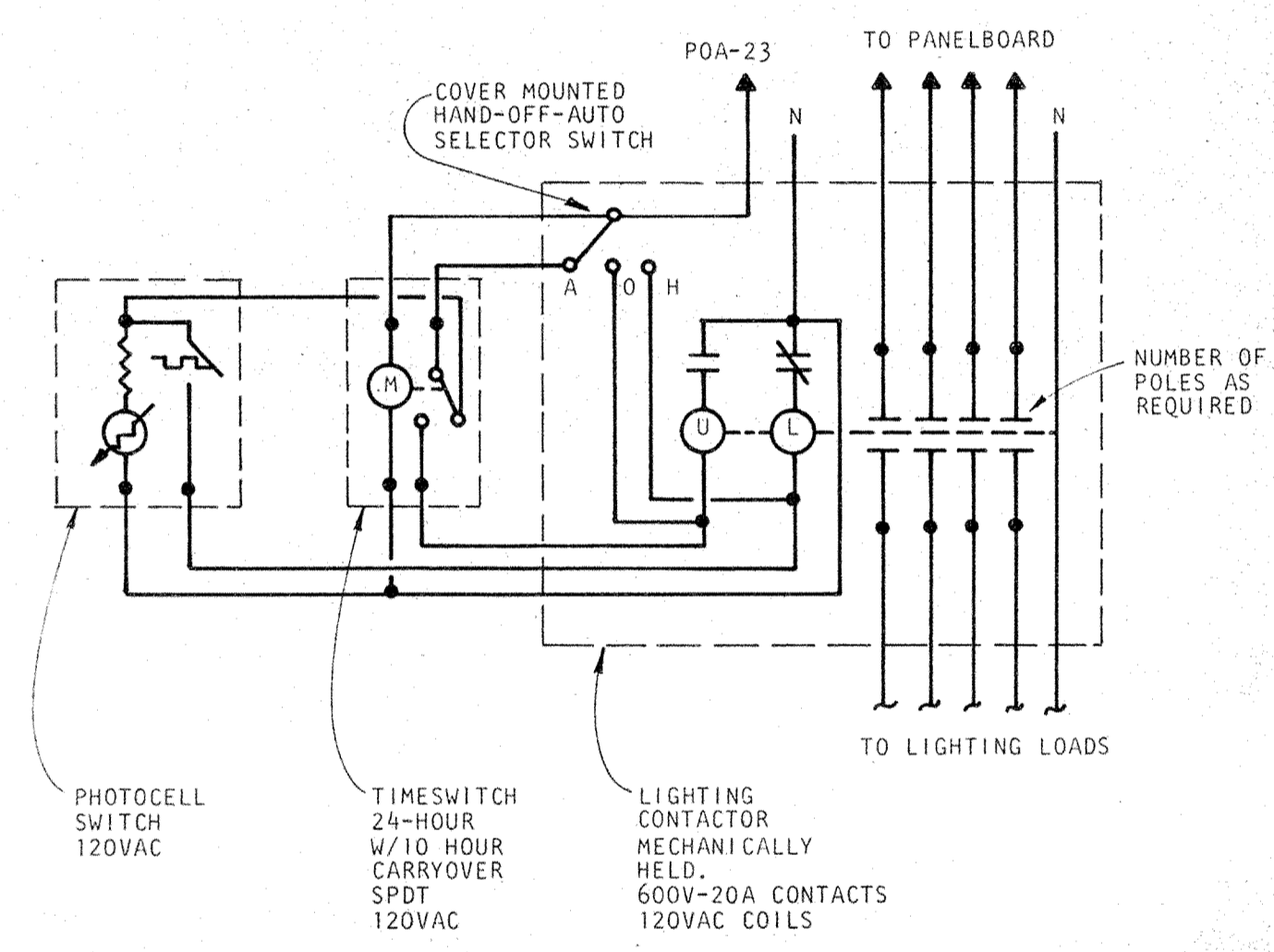
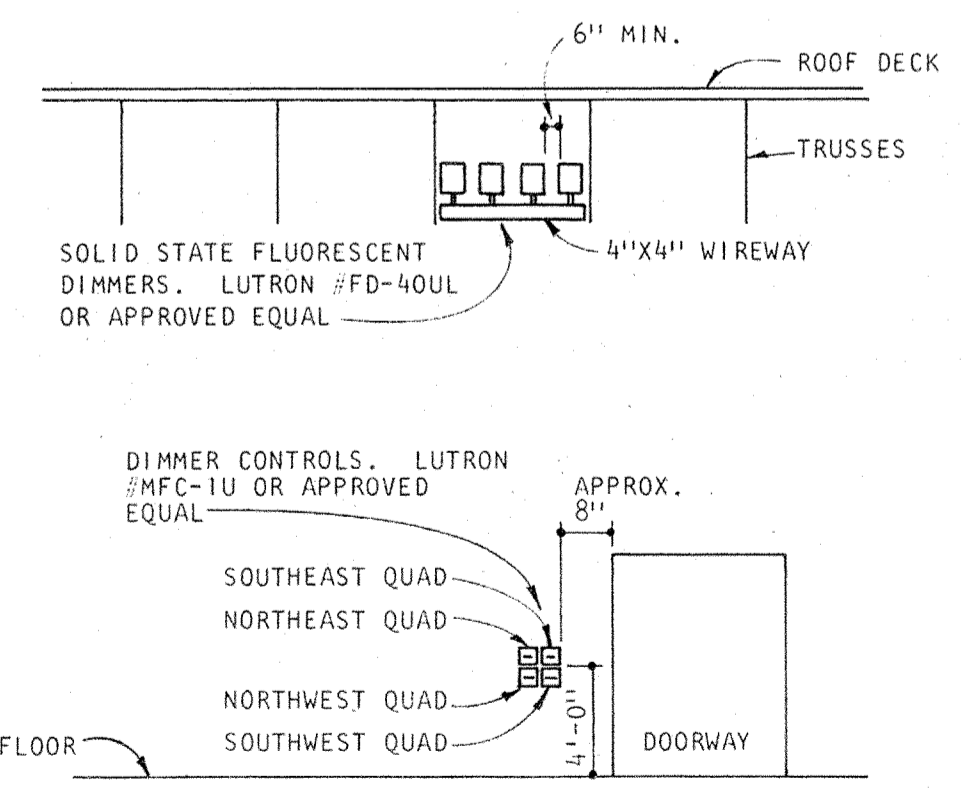


DIAGRAM NO SCALE E6 | E10



EXTERIOR LIGHTING CONTROL DIAGRAM NO SCALE E2 | E10



ELEVATION NO SCALE E8 | E10

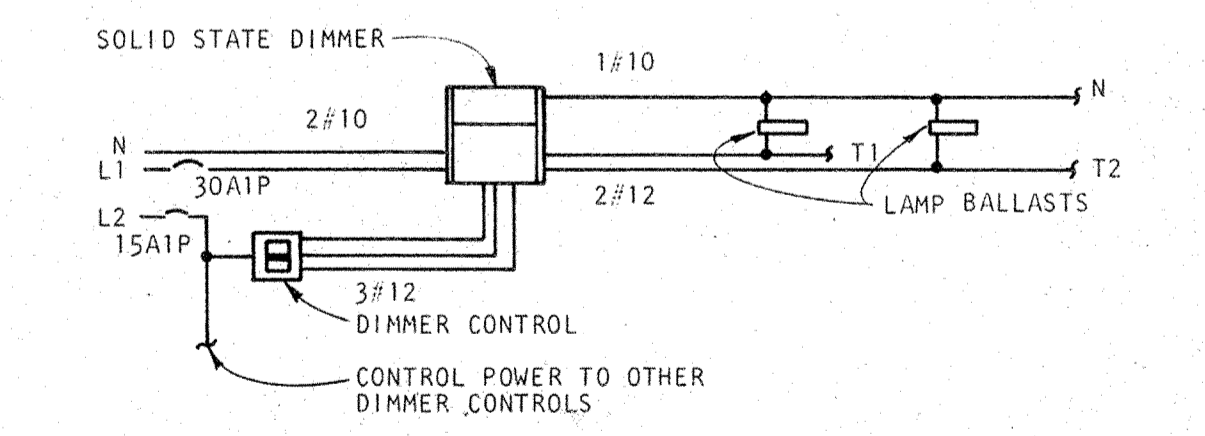


DIAGRAM NO SCALE E5 | E10

<p>A Professional Corporation</p> <p><b>ARIX</b></p> <p>Engineers Architects Planners</p> <p>Creeley, Colorado Grand Junction, Colorado Riverton, Wyoming Crem, Utah</p>	<p>THIS DRAWING IS THE PROPERTY OF ARIX, AND IS NOT TO BE REPRODUCED, MODIFIED OR USED FOR ANY OTHER PROJECT OR EXTENSION OF THIS PROJECT EXCEPT BY AGREEMENT WITH SAID COMPANY.</p>	SCALE AS NOTED	<p>COMMUNITY CENTER FOR RECREATION</p> <p>GREELEY COLORADO</p>	<p>E10 OF 12</p>	
		DRAWN EAA			<p>DETAILS</p>
		CHECKED DLW			
		APPROVED JCH			
DATE AUG. 4, 1983	PROJECT NO. 82183.00				

PANELBOARD SCHEDULE LOA												
VOLTAGE: 480/277 PHASE: 3 WIRE: 4 MOUNTING: SURFACE MAINS: 225 A BREAKER: MLO												
SHORT CIRCUIT RATING: 30,000 A RMS GROUND BUS: YES SOURCE: DPOA												
LOAD DESCRIPTION	LOAD KW			CB SIZE	CCT NO.	P	CCT NO.	CB SIZE	LOAD KW			LOAD DESCRIPTION
	A	B	C						A	B	C	
(4)B03 (SPARE)	0.	0.	0.	20/1	1	A	2	20/1	0.	0.	0.	SPARE
(4)B03 (SPARE)	0.	0.	0.	20/1	3	B	4	20/1	0.	0.	0.	SPARE
(4)B03 (SPARE)	0.	0.	0.	20/1	5	C	6	20/1	0.	0.	0.	SPARE
B04	0.53	2.53	0.	20/1	7	A	8	20/1	0.	0.	0.	SPARE
B06-09,11,15,20	0.	0.	0.	20/1	9	B	10	20/1	0.	0.	0.	SPARE
B06 (SPARE)	0.	0.	0.	20/1	11	C	12	20/1	0.	0.	0.	SPARE
B07,08	1.08	0.86	1.46	20/1	13	A	14	20/1	0.	0.	0.	SPACE
(4)B12,13,14,16,17	0.	0.	0.	20/1	15	B	16	20/1	0.	0.	0.	SPACE
B19,22,25	0.	0.	0.	20/1	17	C	18	20/1	0.	0.	0.	SPACE
B21	1.60	0.55	0.	20/1	19	A	20	20/1	0.	0.	0.	SPACE
B23	0.	0.	0.	20/1	21	B	22	20/1	0.	0.	0.	SPACE
B23 (SPARE)	0.	0.	0.	20/1	23	C	24	20/1	0.	0.	0.	SPACE
B26	0.73	3.	0.	20/1	25	A	26	20/1	2.0	0.	0.	EXTERIOR LTG.
SPARE	0.	0.	0.	20/1	27	B	28	20/1	0.	0.	0.	EXTERIOR LTG. (SPARE)
SPARE	0.	0.	0.	20/1	29	C	30	20/1	0.	0.	0.	EXTERIOR LTG. (SPARE)

PHASE KW: A: 6.0  
B: 3.9  
C: 1.5  
TOTAL KW: 11.4

DEMAND %: 80  
DEMAND KW: 9.1  
POWER FACTOR: 0.9  
DEMAND KVA: 10.1

NOTES:  
(1) GROUND FAULT INTERRUPTER  
(2) HANDLE LOCK-OFF OR KEY OPERATED  
(3) SHUNT TRIP  
(4) SWITCHING DUTY (SWD)  
(5)  
(6)

PANELBOARD SCHEDULE PIA												
VOLTAGE: 120/208 PHASE: 3 WIRE: 4 MOUNTING: FLUSH MAINS: 225 A BREAKER: MLO												
SHORT CIRCUIT RATING: 10,000 A RMS GROUND BUS: YES SOURCE: DPOB												
LOAD DESCRIPTION	LOAD KW			CB SIZE	CCT NO.	P	CCT NO.	CB SIZE	LOAD KW			LOAD DESCRIPTION
	A	B	C						A	B	C	
131,132	0.4	1.2	0.	20/1	1	A	2	20/1	0.	0.	0.	SPARE
133 VENDING	0.	0.	0.	20/1	3	B	4	20/1	0.	0.	0.	SPARE
134 EWC	0.	0.	0.	20/1	5	C	6	20/1	0.	0.	0.	SPARE
(1)138,141	0.8	0.4	0.	20/1	7	A	8	20/1	0.	0.	0.	SPARE
139,140	0.	0.	0.	20/1	9	B	10	20/1	0.	0.	0.	SPARE
142	0.	0.	0.	20/1	11	C	12	20/1	0.	0.	0.	SPARE
147	0.6	0.4	0.	20/1	13	A	14	20/1	0.	0.	0.	SPARE
148	0.	0.	0.	20/1	15	B	16	20/1	0.	0.	0.	SPARE
149	0.	0.	0.	20/1	17	C	18	20/1	0.	0.	0.	SPARE
156	0.4	0.2	0.	20/1	19	A	20	20/1	0.	0.	0.	SPARE
161	0.	0.	0.	20/1	21	B	22	20/1	0.	0.	0.	SPARE
162	0.	0.	0.	20/1	23	C	24	20/1	0.	0.	0.	SPARE
163	0.4	0.4	0.	20/1	25	A	26	20/1	0.	0.	0.	SPARE
163	0.	0.	0.	20/1	27	B	28	20/1	0.	0.	0.	SPARE
163	0.	0.	0.	20/1	29	C	30	20/1	0.	0.	0.	SPARE
164	1.2	0.4	0.	20/1	31	A	32	20/1	0.	0.	0.	SPARE
165	0.	0.	0.	20/1	33	B	34	20/1	0.	0.	0.	SPARE
167	0.	0.	0.	20/1	35	C	36	20/1	0.	0.	0.	SPARE
168	0.6	1.4	0.	20/1	37	A	38	20/1	0.	0.	0.	SPARE
(1)173,174	0.	0.	0.	20/1	39	B	40	20/1	0.	0.	0.	SPARE
(2)161 TTB	0.	0.	0.	20/1	41	C	42	20/1	0.	0.	0.	SPARE

PHASE KW: A: 4.4  
B: 4.4  
C: 3.2  
TOTAL KW: 12.0

DEMAND %: 80  
DEMAND KW: 9.6  
POWER FACTOR: 0.9  
DEMAND KVA: 10.7

NOTES:  
(1) GROUND FAULT INTERRUPTER  
(2) HANDLE LOCK-OFF OR KEY OPERATED  
(3) SHUNT TRIP  
(4) SWITCHING DUTY (SWD)  
(5)  
(6)

PANELBOARD SCHEDULE PID												
VOLTAGE: 120/208 PHASE: 3 WIRE: 4 MOUNTING: FLUSH MAINS: 225A BREAKER: MLO												
SHORT CIRCUIT RATING: 10,000 A RMS GROUND BUS: YES SOURCE: DPOB												
LOAD DESCRIPTION	LOAD KW			CB SIZE	CCT NO.	P	CCT NO.	CB SIZE	LOAD KW			LOAD DESCRIPTION
	A	B	C						A	B	C	
169,170 WEST	0.8	0.6	0.	20/1	1	A	2	20/1	1.0	1.0	1.0	170 SPOTS WEST (4)
170 EAST	0.	0.	0.	20/1	3	B	4	20/1	0.	0.	0.	170 SPOTS WEST (4)
170 W-9	0.	0.	0.	20/1	5	C	6	20/1	0.	0.	0.	170 SPOTS WEST (4)
170 SPARE	0.	0.	0.	20/1	7	A	8	20/1	1.0	1.0	1.0	170 SPOTS WEST (4)
170 SPARE	0.	0.	0.	20/1	9	B	10	20/1	0.	0.	0.	SPACE
170 DIMMER CONTROL	0.	0.	0.	20/1	11	C	12	20/1	0.	0.	0.	SPACE
170 FLOOR LTG.	2.1	2.1	2.1	30/1	13	A	14	20/1	1.0	1.0	1.0	170 SPOTS NORTH (4)
170 FLOOR LTG.	0.	0.	0.	30/1	15	B	16	20/1	0.	0.	0.	170 SPOTS NORTH (4)
170 FLOOR LTG.	0.	0.	0.	30/1	17	C	18	20/1	0.	0.	0.	170 SPOTS NORTH (4)
170 FLOOR LTG.	2.1	0.	0.	30/1	19	A	20	20/1	1.0	0.	0.	170 SPOTS NORTH (4)
SPARE	0.	0.	0.	30/1	21	B	22	20/1	0.	0.	0.	SPARE
SPARE	0.	0.	0.	30/1	23	C	24	20/1	0.	0.	0.	SPARE
SPARE	0.	0.	0.	20/1	25	A	26	20/1	0.	0.	0.	SPARE
SPARE	0.	0.	0.	20/1	27	B	28	20/1	0.	0.	0.	SPARE
SPARE	0.	0.	0.	20/1	29	C	30	20/1	0.	0.	0.	SPARE

PHASE KW: A: 9.0  
B: 4.7  
C: 4.9  
TOTAL KW: 18.6

DEMAND %: 80  
DEMAND KW: 14.9  
POWER FACTOR: 0.9  
DEMAND KVA: 16.5

NOTES:  
(1) GROUND FAULT INTERRUPTER  
(2) HANDLE LOCK-OFF OR KEY OPERATED  
(3) SHUNT TRIP  
(4) SWITCHING DUTY (SWD)  
(5)  
(6)

PANELBOARD SCHEDULE L2A												
VOLTAGE: 480/277 PHASE: 3 WIRE: 4 MOUNTING: FLUSH MAINS: 225A BREAKER: MLO												
SHORT CIRCUIT RATING: 14,000 A RMS GROUND BUS: YES SOURCE: DPOA												
LOAD DESCRIPTION	LOAD KW			CB SIZE	CCT NO.	P	CCT NO.	CB SIZE	LOAD KW			LOAD DESCRIPTION
	A	B	C						A	B	C	
(4)210,218	3.15	0.36	0.	20/1	1	A	2	20/1	1.9	1.8	2.63	201,202
(4)211,212,213,215-6	0.	0.	0.	20/1	3	B	4	20/1	0.	0.	0.	211,214,235
(4)SPARE	0.	0.	0.	20/1	5	C	6	20/1	0.	0.	0.	219,232,233
SPARE	0.	0.	0.	20/1	7	A	8	20/1	2.54	3.32	1.64	220,222,223,230,231
SPARE	0.	0.	0.	20/1	9	B	10	20/1	0.	0.	0.	221,224-229
SPARE	0.	0.	0.	20/1	11	C	12	20/1	0.	0.	0.	236,237
SPARE	0.	0.	0.	20/1	13	A	14	20/1	0.	0.	0.	SPARE
SPARE	0.	0.	0.	20/1	15	B	16	20/1	0.	0.	0.	SPARE
SPARE	0.	0.	0.	20/1	17	C	18	20/1	0.	0.	0.	SPARE

PHASE KW: A: 7.6  
B: 6.0  
C: 4.3  
TOTAL KW: 17.8

DEMAND %: 80  
DEMAND KW: 14.3  
POWER FACTOR: 0.9  
DEMAND KVA: 15.8

NOTES:  
(1) GROUND FAULT INTERRUPTER  
(2) HANDLE LOCK-OFF OR KEY OPERATED  
(3) SHUNT TRIP  
(4) SWITCHING DUTY (SWD)  
(5)  
(6)

PANELBOARD SCHEDULE POA												
VOLTAGE: 120/208 PHASE: 3 WIRE: 4 MOUNTING: SURFACE MAINS: 225A BREAKER: MLO												
SHORT CIRCUIT RATING: 18,000 A RMS GROUND BUS: YES SOURCE: DPOB												
LOAD DESCRIPTION	LOAD KW			CB SIZE	CCT NO.	P	CCT NO.	CB SIZE	LOAD KW			LOAD DESCRIPTION
	A	B	C						A	B	C	
B03 (FUTURE)	0.	0.	0.	20/1	1	A	2	20/1	0.	0.	0.	SPARE
B03 (FUTURE)	0.	0.	0.	20/1	3	B	4	20/1	0.	0.	0.	SPARE
B03 (FUTURE)	0.	0.	0.	20/1	5	C	6	20/1	0.	0.	0.	SPARE
B03 (FUTURE)	0.	0.	0.	20/1	7	A	8	20/1	0.	0.	0.	SPARE
B03 (FUTURE)	0.	0.	0.	20/1	9	B	10	20/1	0.	0.	0.	SPARE
B03 (FUTURE)	0.	0.	0.	20/1	11	C	12	20/1	0.	0.	0.	SPARE
B03 (FUTURE)	0.	0.	0.	20/1	13	A	14	20/1	0.	0.	0.	SPARE
B03 (FUTURE)	0.	0.	0.	20/1	15	B	16	20/1	0.	0.	0.	SPARE
B03 (FUTURE)	0.	0.	0.	20/1	17	C	18	20/1	0.	0.	0.	SPARE
(2)B04 TEL. EQUIP.	0.2	0.5	0.	20/1	19	A	20	20/1	0.	0.	0.	SPARE
B04 LTG. TIMESWITCH	0.	0.	0.	20/1	21	B	22	20/1	0.	0.	0.	SPARE
B04 (FUTURE)	0.	0.	0.	20/1	23	C	24	20/1	0.	0.	0.	SPARE
B06 (FUTURE)	0.	0.	0.	20/1	25	A	26	20/1	0.	0.	0.	SPARE
B06 (FUTURE)	0.	0.	0.	20/1	27	B	28	20/1	0.	0.	0.	SPARE
B06 (FUTURE)	0.	0.	0.	20/1	29	C	30	20/1	0.	0.	0.	SPARE
B06 (FUTURE)	0.	0.	0.	20/1	31	A	32	20/1	0.9	1.6	0.9	EF-5, EF-4
B06 (FUTURE)	0.	0.	0.	20/1	33	B	34	20/1	0.	0.	0.	HM-1
B06 (FUTURE)	0.	0.	0.	20/1	35	C	36	20/1	0.	0.	0.	HM-2
EXTERIOR SIGN	0.5	0.5	0.	20/1	37	A	38	20/1	0.	0.	0.	HM-1
EXTERIOR SIGN	0.	0.	0.	20/1	39	B	40	20/1	0.	0.	0.	HM-2
SPARE	0.	0.	0.	20/1	41	C	42	20/1	0.	0.	0.	HM-2

PHASE KW: A: 6.6  
B: 4.6  
C: 9.2  
TOTAL KW: 23.5

DEMAND %: 80  
DEMAND KW: 18.8  
POWER FACTOR: 0.9  
DEMAND KVA: 20.9

NOTES:  
(1) GROUND FAULT INTERRUPTER  
(2) HANDLE LOCK-OFF OR KEY OPERATED  
(3) SHUNT TRIP  
(4) SWITCHING DUTY (SWD)  
(5)  
(6)

PANELBOARD SCHEDULE PIB												
VOLTAGE: 120/208 PHASE: 3 WIRE: 4 MOUNTING: SURFACE MAINS: 225A BREAKER: MLO												
SHORT CIRCUIT RATING: 10,000 A RMS GROUND BUS: YES SOURCE: DPOB												
LOAD DESCRIPTION	LOAD KW			CB SIZE	CCT NO.	P	CCT NO.	CB SIZE	LOAD KW			LOAD DESCRIPTION
	A	B	C						A	B	C	
100 SOUTH	0.6	0.8	0.	20/1	1	A	2	20/1	0.	0.	0.	SPARE
100 NORTH	0.	0.	0.	20/1	3	B	4	20/1	0.	0.	0.	SPARE
100 SPARE	0.	0.	0.	20/1	5	C	6	20/1	0.	0.	0.	SPARE
100 SPARE	0.	0.	0.	20/1	7	A	8	20/1	0.	0.	0.	SPARE
100 SPARE	0.	0.	0.	20/1	9	B	10	20/1	0.	0.	0.	SPARE



PANELBOARD SCHEDULE										POC		
VOLTAGE: 480 PHASE: 3 WIRE: 3 MOUNTING: MCC MAINS: 225 A BREAKER: MLO												
SHORT CIRCUIT RATING: 25,000 A RMS GROUND BUS: YES SOURCE: MCCOA												
LOAD DESCRIPTION	LOAD KW			CB SIZE	CCT NO.	P	CCT NO.	CB SIZE	LOAD KW			LOAD DESCRIPTION
	A	B	C						A	B	C	
AC-2	7.47	7.47		60/3	1	A	2	60/3	9.43	9.43		ELEV
AC-2			7.47		3	B	4					ELEV
AC-2					5	C	6					ELEV
AC-3	3.03			20/3	7	A	8	15/3	0.8			P-9 & 10
AC-3		3.03			9	B	10			0.8		P-9 & 10
AC-3			3.03		11	C	12				0.8	P-9 & 10
HV-8	2.1			20/3	13	A	14	15/3	1.47			P-13 & 14
HV-8		2.1			15	B	16			1.47		P-13 & 14
HV-8			2.1		17	C	18				1.47	P-13 & 14
RF-1	1.33			15/3	19	A	20	40/3	8.0			SB-1
RF-1		1.33			21	B	22			8.0		SB-1
RF-1			1.33		23	C	24				8.0	SB-1
RF-2	3.03			20/3	25	A	26	40/3	8.0			SB-2
RF-2		3.03			27	B	28			8.0		SB-2
RF-2			3.03		29	C	30				8.0	SB-2
SPACE	0.	0.			31	A	32	15/3	1.87			CAC-1/CAC-2
SPACE			0.		33	B	34			1.87		CAC-1/CAC-2
SPACE					35	C	36				1.87	CAC-1/CAC-2
SPACE	0.	0.			37	A	38	20/3	0.			SPARE
SPACE			0.		39	B	40			0.		SPARE
SPACE					41	C	42			0.		SPARE

PHASE KW: A: 46.5  
B: 46.5  
C: 46.5  
TOTAL KW: 140

DEMAND %: 80  
DEMAND KW: 112  
POWER FACTOR: .9  
DEMAND KVA: 124

NOTES:  
(1) GROUND FAULT INTERRUPTER  
(2) HANDLE LOCK-OFF OR KEY OPERATED  
(3) SHUNT TRIP  
(4) SWITCHING DUTY (SWD)  
(5)  
(6)

PANELBOARD SCHEDULE										P2B		
VOLTAGE: 480 PHASE: 3 WIRE: 3 MOUNTING: MCC2B MAINS: 225 A BREAKER: MLO												
SHORT CIRCUIT RATING: 22,000 A RMS GROUND BUS: YES SOURCE: MCC2B												
LOAD DESCRIPTION	LOAD KW			CB SIZE	CCT NO.	P	CCT NO.	CB SIZE	LOAD KW			LOAD DESCRIPTION
	A	B	C						A	B	C	
HV-1	5.83			50/3	1	A	2	50/3	6.23			CBP-1/PRP-1
HV-1		5.83			3	B	4			6.23		CBP-1/PRP-1
HV-1			5.83		5	C	6				6.23	CBP-1/PRP-1
HV-2	9.43			80/3	7	A	8	15/3	1.47			P-11 & 12
HV-2		9.43			9	B	10			1.47		P-11 & 12
HV-2			9.43		11	C	12				1.47	P-11 & 12
EF-3	7.47			60/3	13	A	14	15/3	2.0			UH-13
EF-3		7.47			15	B	16			2.0		UH-13
EF-3			7.47		17	C	18				2.0	UH-13
SPACE	0.	0.			19	A	20			0.		SPACE
SPACE		0.			21	B	22				0.	SPACE
SPACE			0.		23	C	24				0.	SPACE
SPACE	0.	0.			25	A	26			0.		SPACE
SPACE			0.		27	B	28				0.	SPACE
SPACE					29	C	30				0.	SPACE

PHASE KW: A: 32.4  
B: 32.4  
C: 32.4  
TOTAL KW: 97.3

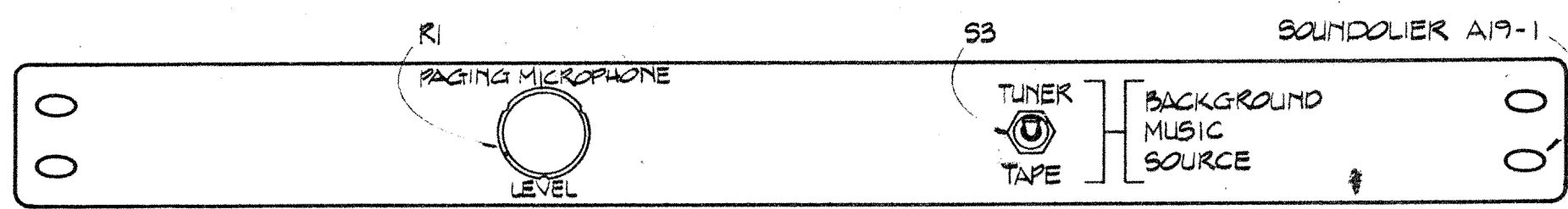
DEMAND %: 80  
DEMAND KW: 77.8  
POWER FACTOR: .9  
DEMAND KVA: 86.5

NOTES:  
(1) GROUND FAULT INTERRUPTER  
(2) HANDLE LOCK-OFF OR KEY OPERATED  
(3) SHUNT TRIP  
(4) SWITCHING DUTY (SWD)  
(5)  
(6)

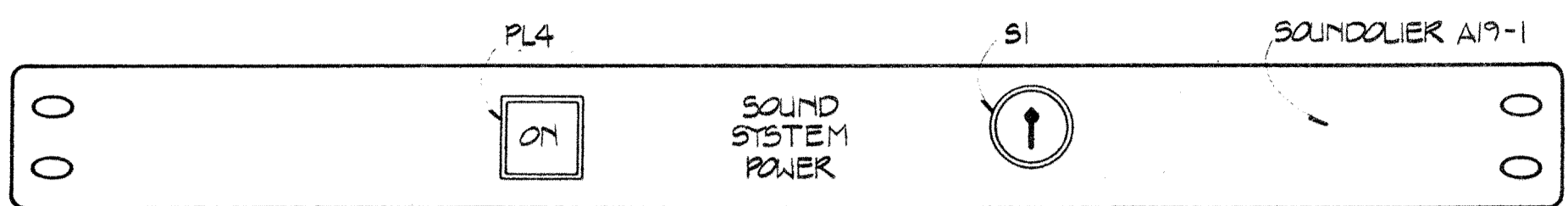
STARTER SCHEDULE									
EQUIP. KEY	NEMA SIZE	TYPE	ENCL. TYPE	CONTROL			CONTACTS	REMOTE DEVICES	NOTES
				VOLT	TRANS'R	SWITCHES			
AC-1									52
AC-2									52
AC-3									52
CBF-1	00	FVNR	4X	120	YES	-	1-R	1-AUX O.L.	HYDROANALYZER PANEL
CT-1	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
EF-1	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
EF-2	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
EF-3	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
EF-4	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
EF-5	0	FVNR	12	120	YES	-	-	1-N.O.	START/STOP P.B. W/PILOT LIGHT
EF-6	0	FVNR	12	120	YES	-	-	1-N.O.	START/STOP P.B. W/PILOT LIGHT
EF-7	0	FVNR	12	120	YES	-	-	1-N.O.	START/STOP P.B. W/PILOT LIGHT
EF-8	0	FVNR	12	120	YES	-	-	1-N.O.	START/STOP P.B. W/PILOT LIGHT
EF-9	0	FVNR	12	120	YES	-	-	1-N.O.	START/STOP P.B. W/PILOT LIGHT
EF-10	0	FVNR	12	120	YES	-	-	1-N.O.	START/STOP P.B. W/PILOT LIGHT
EF-11	0	FVNR	12	120	YES	-	-	1-N.O.	START/STOP P.B. W/PILOT LIGHT
HV-1									52
HV-2									52
HV-3	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
HV-4	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
HV-5	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
HV-6	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
P-1	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
P-2	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
P-3	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
P-4	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
P-5	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
P-6	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
P-7	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
P-8	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
PRP-1	2	FVNR	4X	120	YES	-	1-R	1-AUX O.L.	POOL FILTER CONTROL PANEL
RF-1									52
RF-2									52
RF-3	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
RF-4	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
RF-5	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
SF-1	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	
SF-2	1	FVNR	-	120	YES	HOA	1-G	1-N.O.	

EQUIPMENT SCHEDULE									
KEY	DESCRIPTION	V-P	HP	KW	FLA	CIRCUIT	PROT	N	PANEL
CBP-1	CHLORINE BOOSTER PUMP	480-3	.75	1.2	1.4	3#1/2 & 1#1/2 GND-1/2"	50A3P		P2B
PRP-1	POOL RECIRCULATION PUMP	480-3	15	17.5	21	3#1/2 & 1#1/2 GND-3/4"	15A1P		P1B
PB-1	POOL BOILER (CONTROL)	120-1	-	0.1	1.0	2#1/2 & 1#1/2 GND-1/2"	15A1P		P1B
	KITCHEN EQUIPMENT								
23	DISHWASHER	120/208-1	1	6.8	32.8	3#8 & 1#10 GND-3/4"	40A2P		P1C
26	GARBAGE DISPOSAL	208-1	.75	1.6	7.6	2#1/2 & 1#1/2 GND-1/2"	15A2P		P1C
6D-1	OTHER EQUIPMENT	120-1	0.5	1.2	9.8	2#1/2 & 1#1/2 GND-1/2"	20A1P		P1C
ELEV	ELEVATOR	480-3	30	28.3	34	3#8 & 1#8 GND-1"	60A3P		POC
HM-1	HYDROMASSAGE	208-1	-	9.9	47.5	3#6 & 1#10 GND-1"	60A2P		POA
HM-2	HYDROMASSAGE	208-3	-	9.9	47.5	3#6 & 1#10 GND-1"	60A2P		POA
SB-1	SAUNA BOILER	480-3	-	24.0	25.0	3#8 & 1#10 GND-3/4"	40A3P		POC
SB-2	SAUNA BOILER	480-3	-	24.0	25.0	3#8 & 1#10 GND-3/4"	40A3P		POC
MECHANICAL EQUIPMENT									
AC-1	AIR CONDITIONING UNIT	480-3	10	11.6	14.0	3#1/2 & 1#1/2 GND-1/2"	30A3P		MCC2A
AC-2	AIR CONDITIONING UNIT	480-3	20	22.4	27.0	3#8 & 1#10 GND-3/4"	60A3P		POC
AC-3	AIR CONDITIONING UNIT	480-3	7.5	9.1	11.0	3#1/2 & 1#1/2 GND-1/2"	20A3P		POC
B-1A	BOILER (CONTROL)	120-1	-	0.2	1.7	2#1/2 & 1#1/2 GND-1/2"	20A1P		P2A
B-1B	BOILER (CONTROL)	120-1	-	0.2	1.7	2#1/2 & 1#1/2 GND-1/2"	20A1P		P2A
B-1C	BOILER (CONTROL)	120-1	-	0.2	1.7	2#1/2 & 1#1/2 GND-1/2"	20A1P		P2A
C-1	CHILLER	480-3	-	60	102	3#1 THHN & 1#6 GND-1 1/2"	175A3P		MCCOA
CH-1	CABINET HEATER	120-1	FRAC	-	-	2#1/2 & 1#1/2 GND-1/2"	15A1P		P1A
CH-2	CABINET HEATER	120-1	FRAC	-	-	2#1/2 & 1#1/2 GND-1/2"	15A1P		P1C
CH-3	CABINET HEATER	120-1	FRAC	-	-	2#1/2 & 1#1/2 GND-1/2"	15A1P		P1C
CH-4	CABINET HEATER	120-1	FRAC	-	-	2#1/2 & 1#1/2 GND-1/2"	15A1P		P1A
CH-5	CABINET HEATER	120-1	FRAC	-	-	2#1/2 & 1#1/2 GND-1/2"	15A1P		P1B
CH-6	CABINET HEATER	120-1	FRAC	-	-	2#1/2 & 1#1/2 GND-1/2"	15A1P		P1B
CH-7	CABINET HEATER	120-1	FRAC	-	-	2#1/2 & 1#1/2 GND-1/2"	15A1P		P1B
CT-1	COOLING TOWER	480-3	5	6.3	7.6	3#1/2 & 1#1/2 GND-1/2"	5A-MCP		MCC2A
DWH-1	BOOSTER HEATER	208-3	-	9.0	25.0	3#1/2 & 1#10 GND-1/2"	30A3P		P1C
EW-1	EVAPORATIVE COOLER	120-1	FRAC	-	-	2#1/2 & 1#1/2 GND-1/2"	15A1P		P2A
EF-1	EXHAUST FAN	480-3	2	2.8	3.4	3#1/2 & 1#1/2 GND-1/2"	7A-MCP		MCCOA
EF-2	EXHAUST FAN	480-3	1.5	2.2	2.6	3#1/2 & 1#1/2 GND-1/2"	7A-MCP		MCC2B
EF-3	EXHAUST FAN	480-3	20	22.4	27.0	3#8 & 1#10 GND-3/4"	60A3P		P2B
EF-4	EXHAUST FAN	120-1	1/3	0.9	7.2	2#1/2 & 1#1/2 GND-1/2"	15A1P		POA
EF-5	EXHAUST FAN	120-1	1/3	0.9	7.2	2#1/2 & 1#1/2 GND-1/2"	15A1P		POA
EF-6	EXHAUST FAN	120-1	1/3	0.9	7.2	2#1/2 & 1#1/2 GND-1/2"	15A1P		POA
EF-7	EXHAUST FAN	480-3	1.75	1.2	1.4	3#1/2 & 1#1/2 GND-1/2"	3A-MCP		MCCOA
EF-8	EXHAUST FAN	120-1	1/3	0.9	7.2	2#1/2 & 1#1/2 GND-1/2"	15A1P		POB
EF-9	EXHAUST FAN	208-3	2	2.7	7.5	3#1/2 & 1#1/2 GND-1/2"	15A3P		P1C
EF-10	EXHAUST FAN	208-3	2	2.7	7.5	3#1/2 & 1#1/2 GND-1/2"	15A3P		

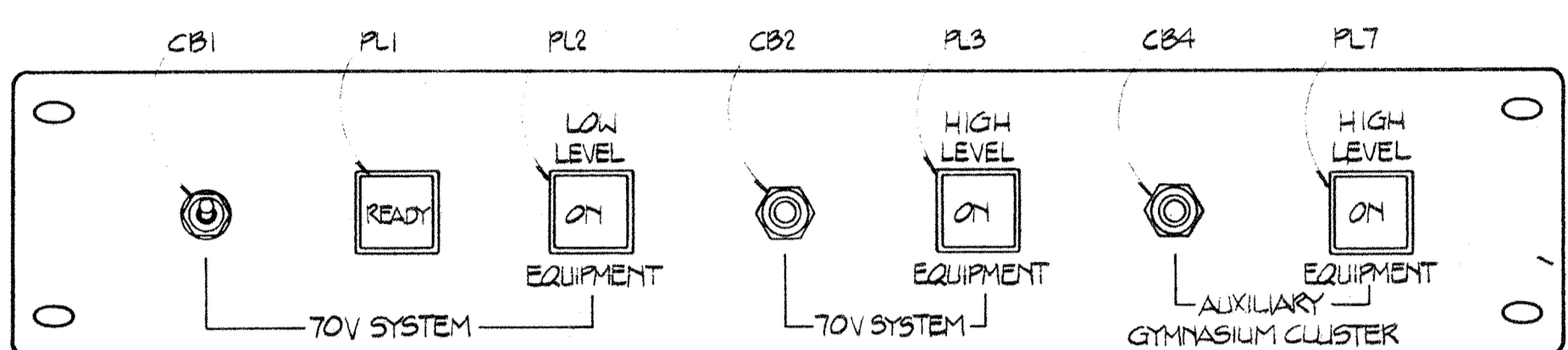




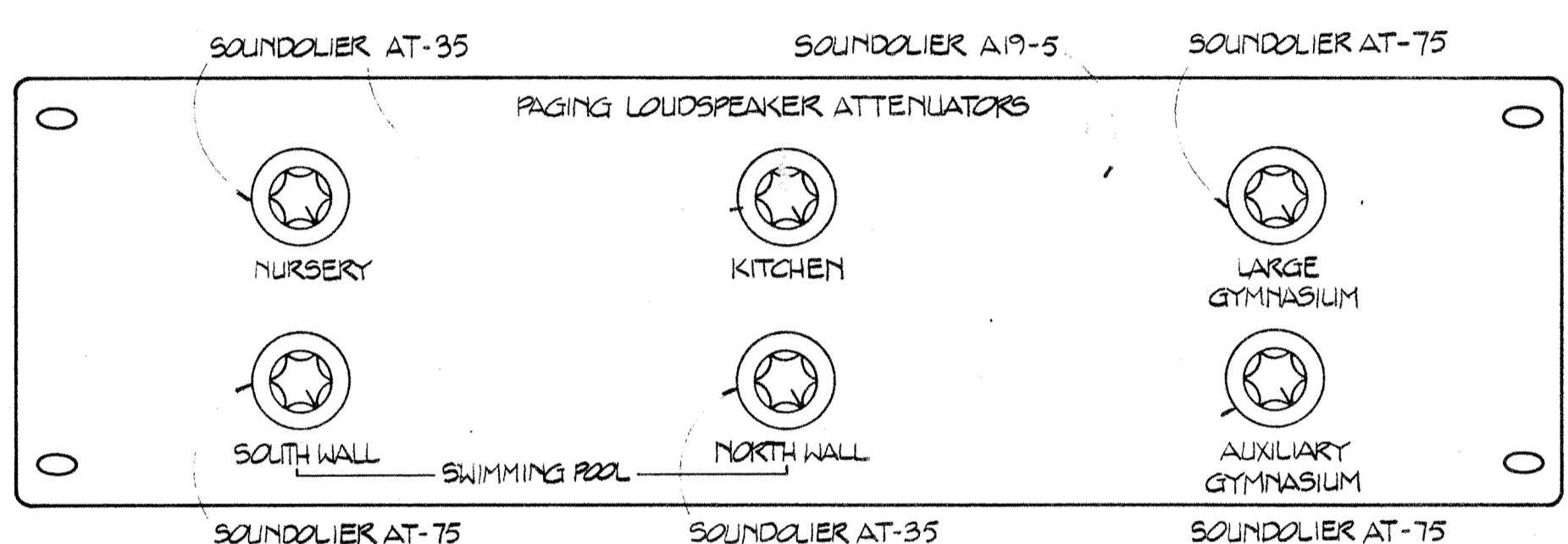
1 CONTROL CENTER VOLUME/SELECTOR PANEL  
SS-2 HALF SCALE



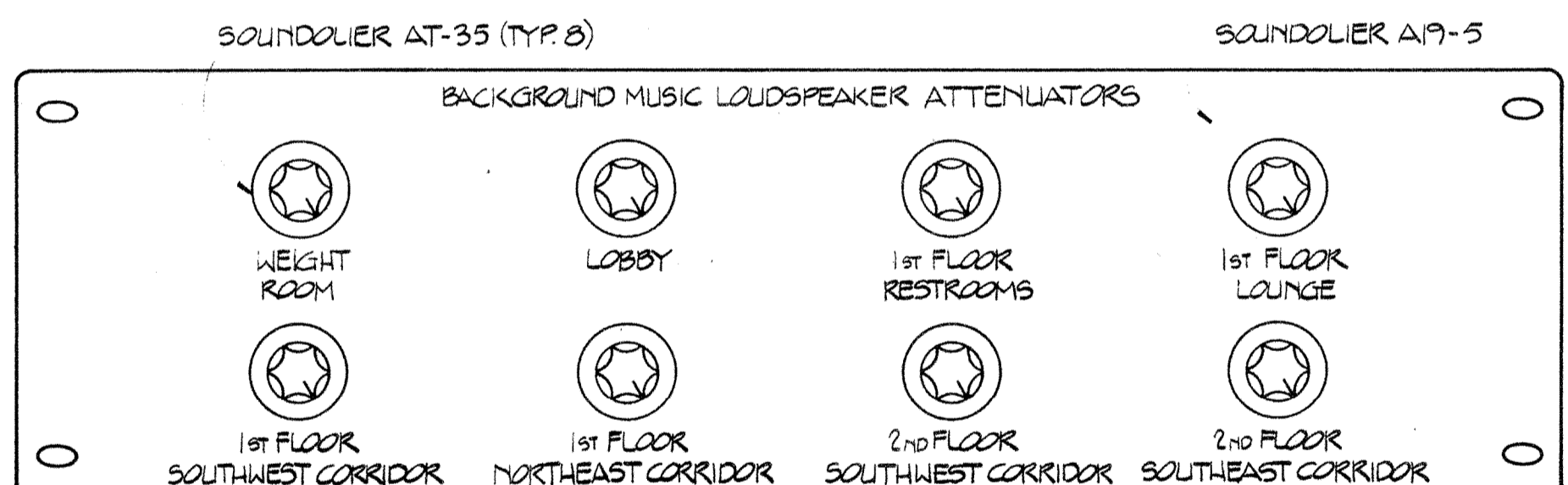
2 CONTROL CENTER POWER CONTROL PANEL  
SS-2 HALF SCALE



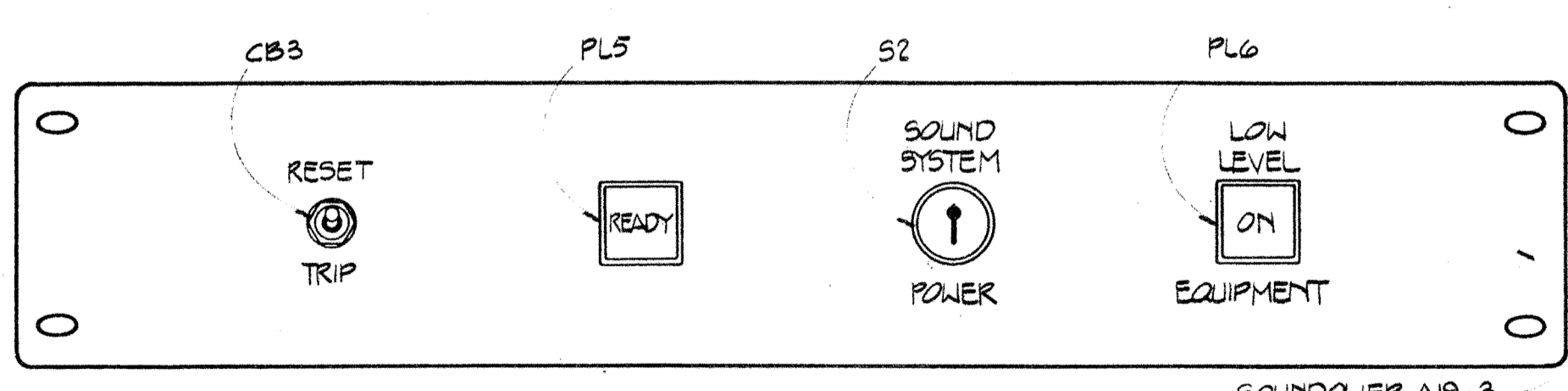
3 SOUND CONTROL CIRCUIT BREAKER PANEL  
SS-2 HALF SCALE



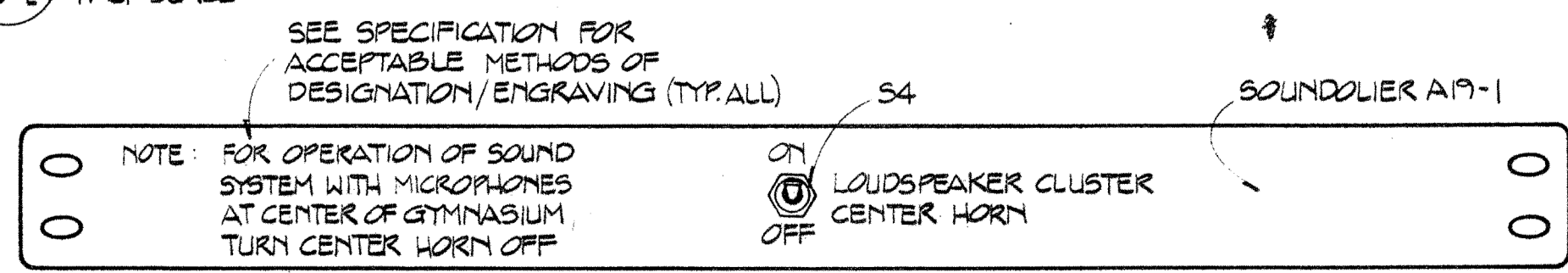
4 PAGING ATTENUATOR PANEL  
SS-2 HALF SCALE



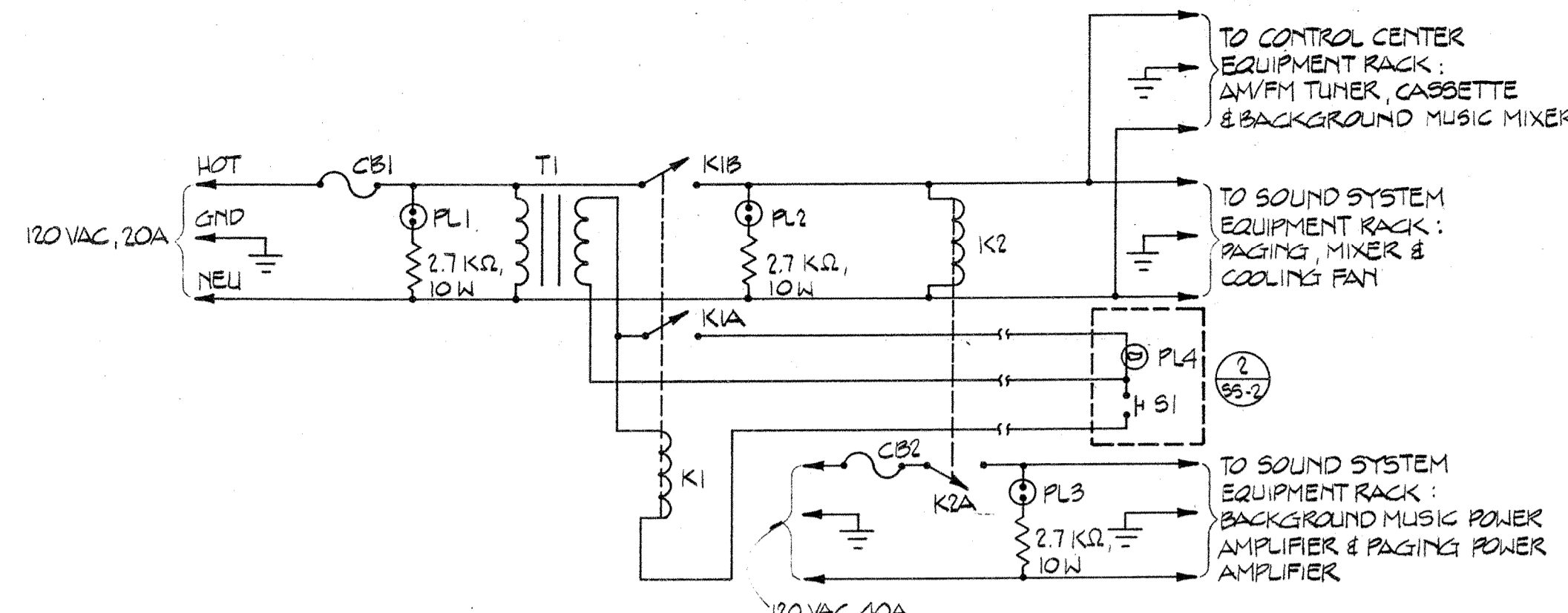
5 BACKGROUND MUSIC ATTENUATOR PANEL  
SS-2 HALF SCALE



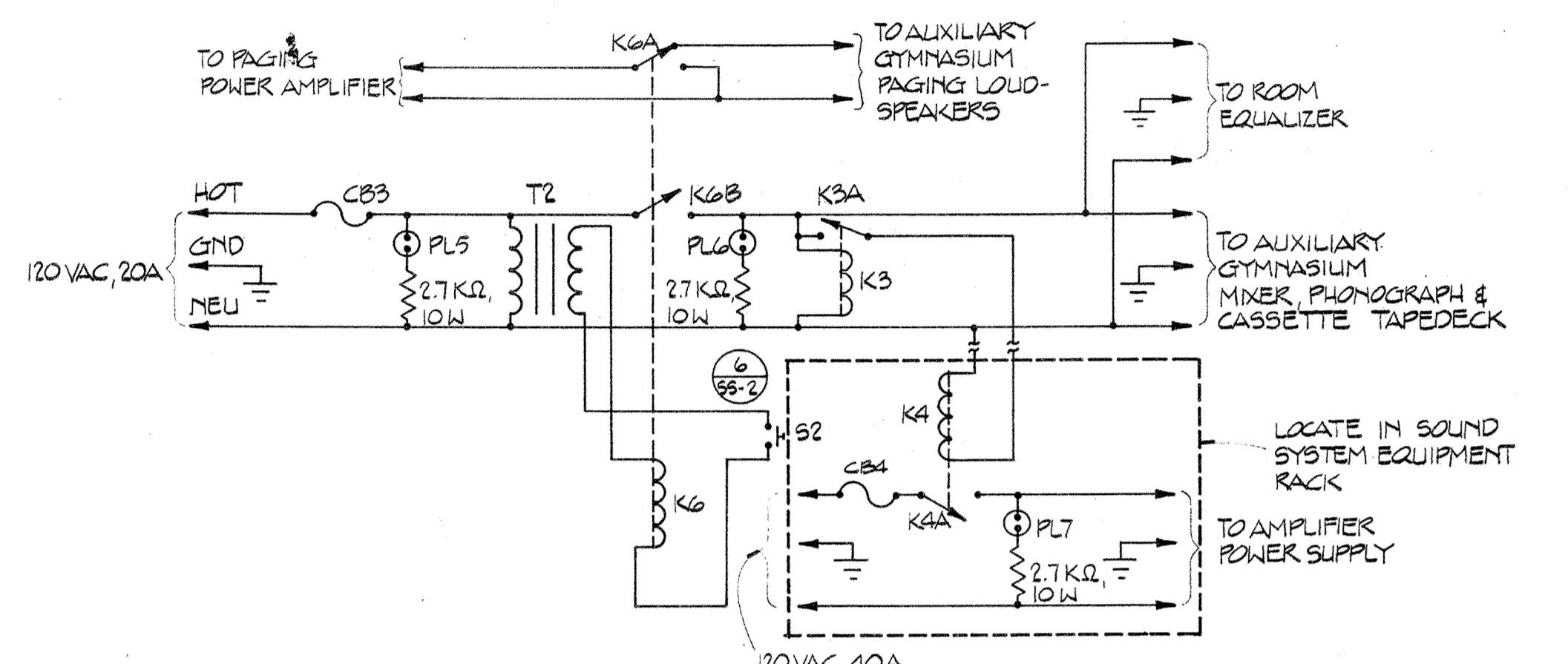
6 AUXILIARY GYMNASIUM POWER CONTROL PANEL  
SS-2 HALF SCALE



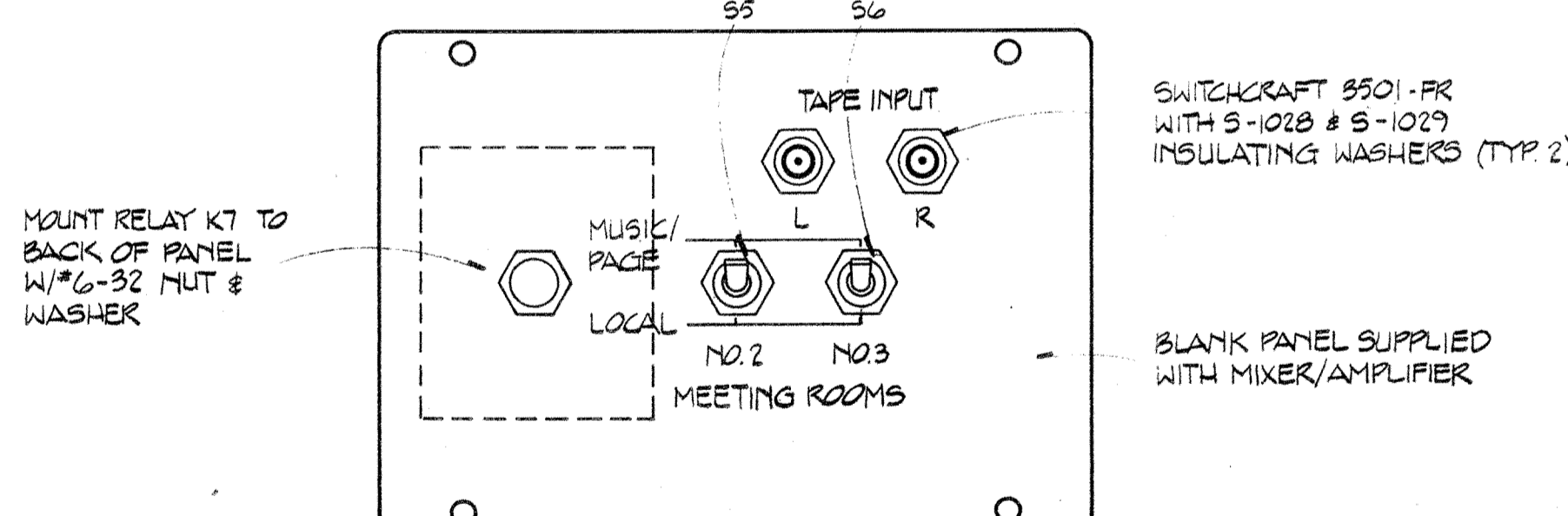
7 AUXILIARY GYMNASIUM LOUDSPEAKER CLUSTER MODE SELECTOR PANEL  
SS-2 HALF SCALE



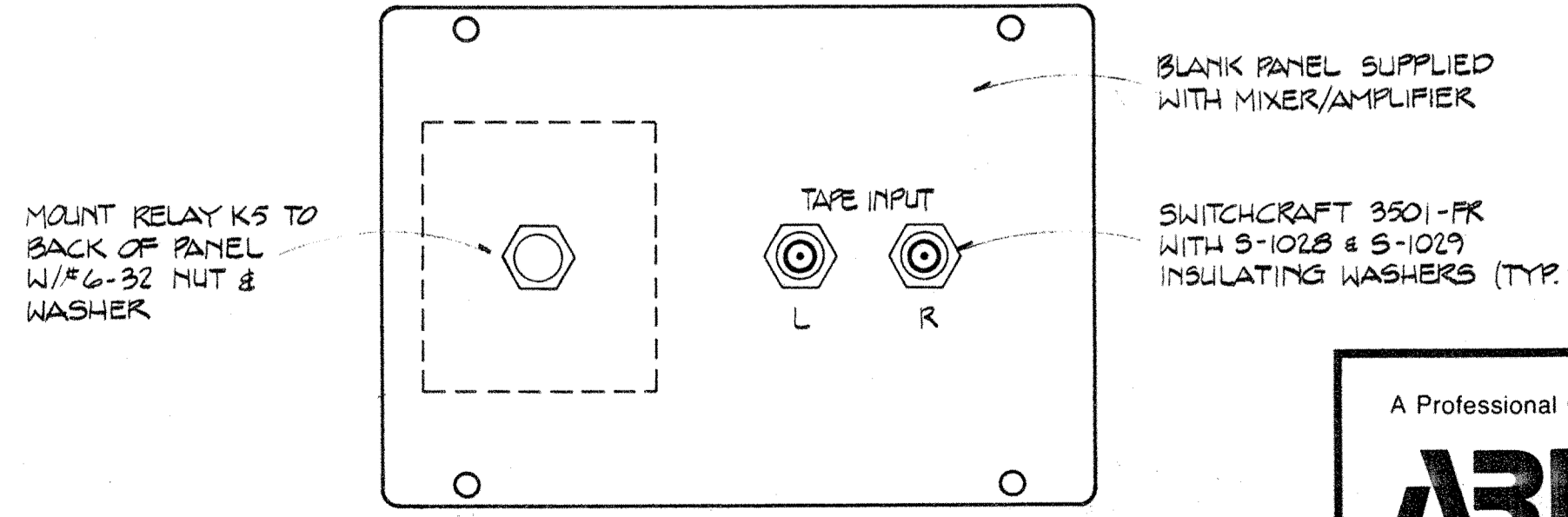
8 SOUND CONTROL POWER CONTROL SCHEMATIC DIAGRAM  
SS-2 NO SCALE



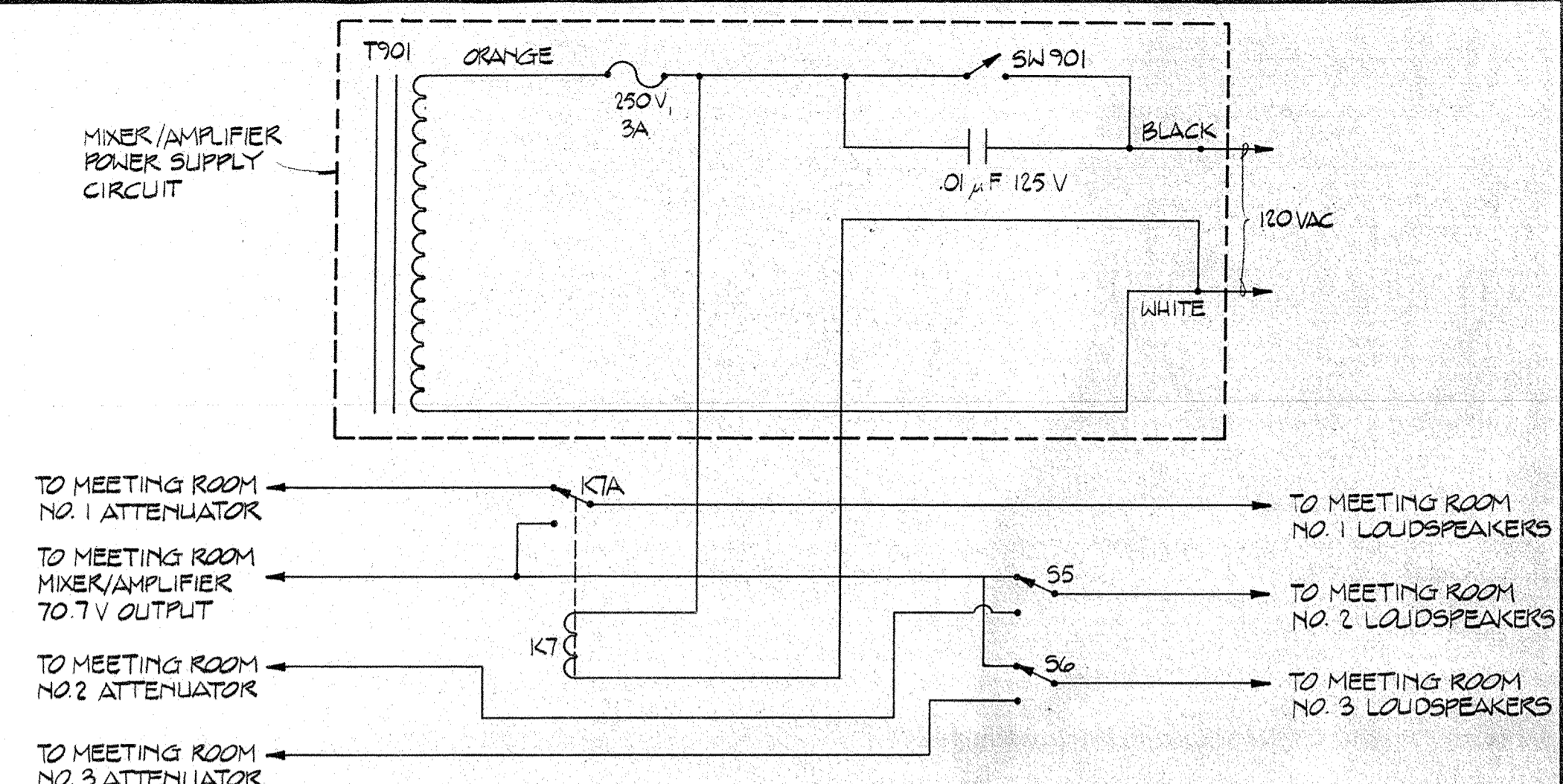
9 AUXILIARY GYMNASIUM POWER CONTROL SCHEMATIC DIAGRAM  
SS-2 NO SCALE



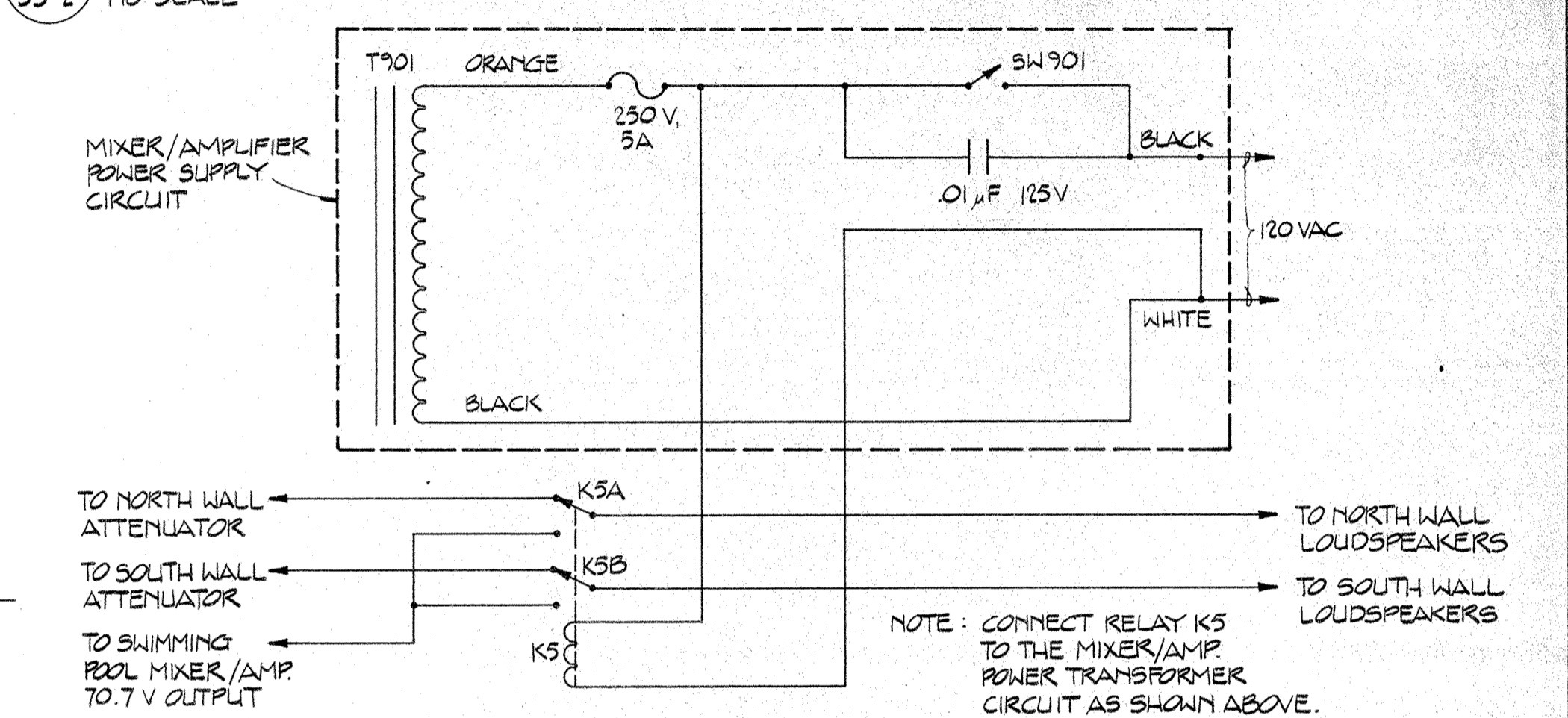
10 MEETING ROOM MIXER/AMPLIFIER USER PANEL  
SS-2 FULL SCALE



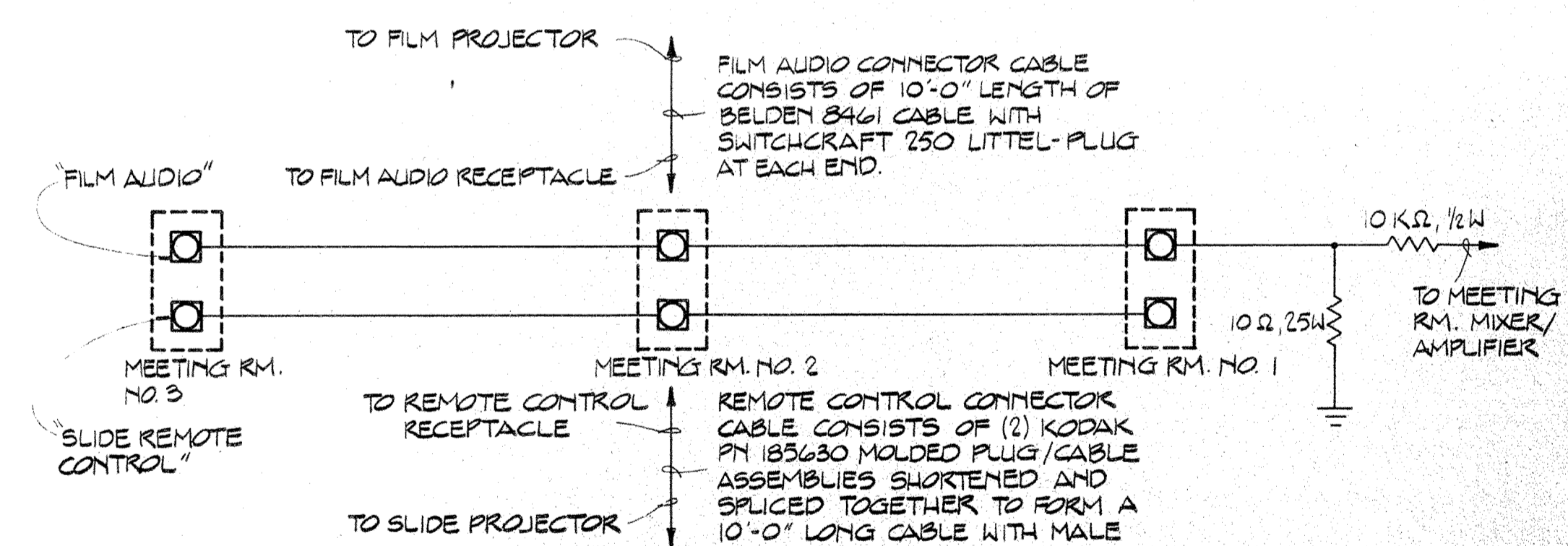
11 SWIMMING POOL MIXER/AMPLIFIER USER PANEL  
SS-2 FULL SCALE



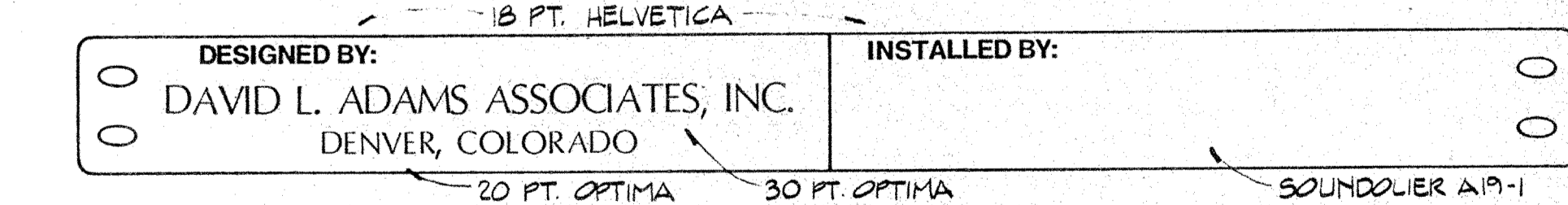
12 MEETING ROOM(S) PRIORITY SWITCHING SCHEMATIC DIAGRAM  
SS-2 NO SCALE



13 SWIMMING POOL PRIORITY SWITCHING SCHEMATIC DIAGRAM  
SS-2 NO SCALE



14 FILM AUDIO/REMOTE CONTROL SCHEMATIC DIAGRAM  
SS-2 NO SCALE



15 IDENTIFICATION ESCUTCHEON PANEL  
SS-2 HALF SCALE

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15189

SCALE AS NOTED

DRAWN BPO  
CHECKED TKB  
APPROVED DLA

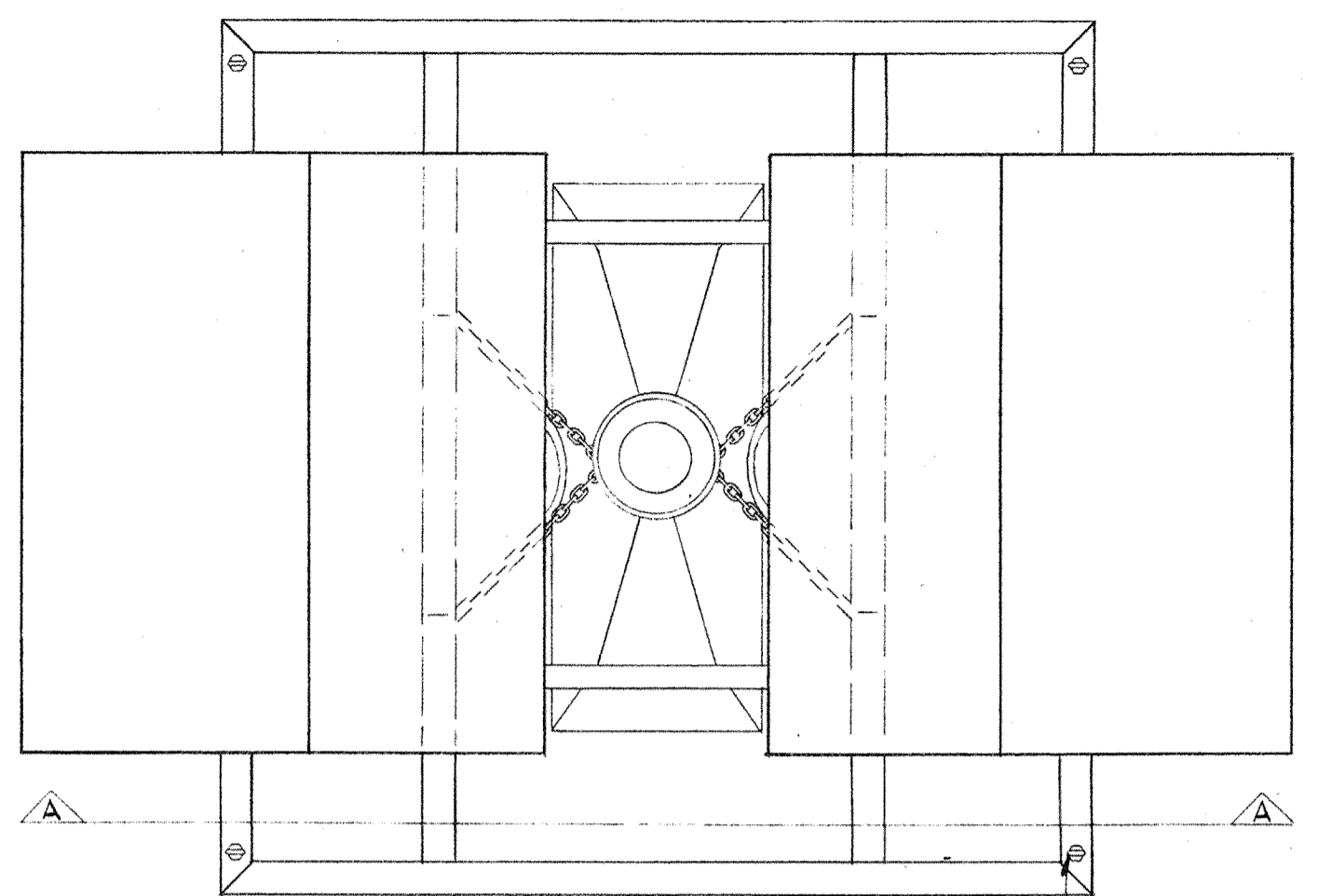
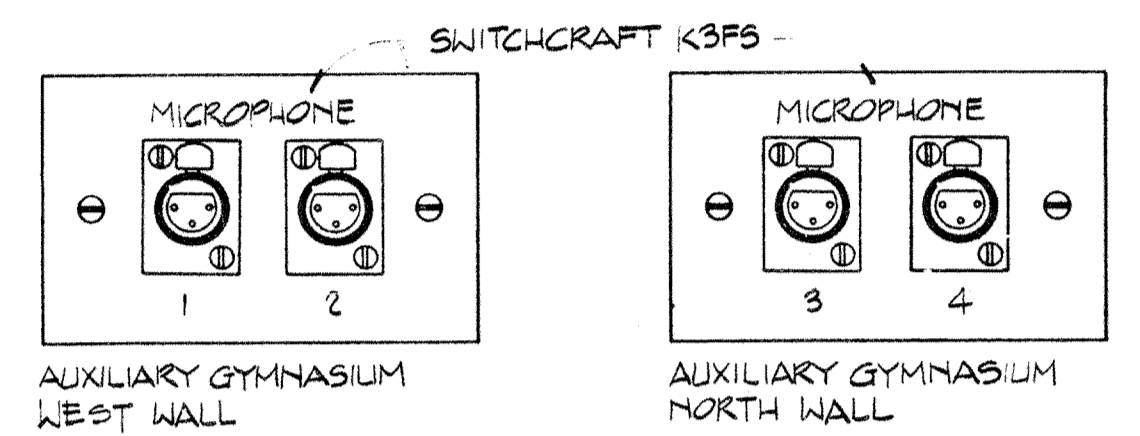
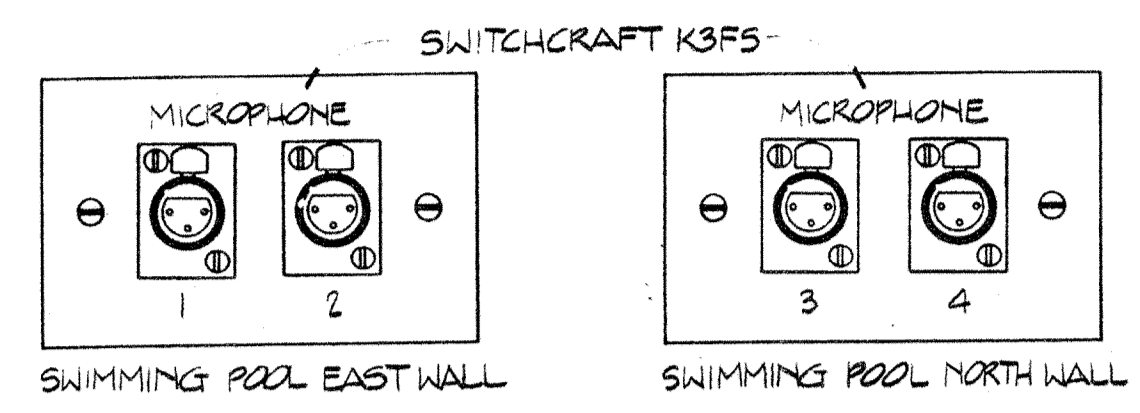
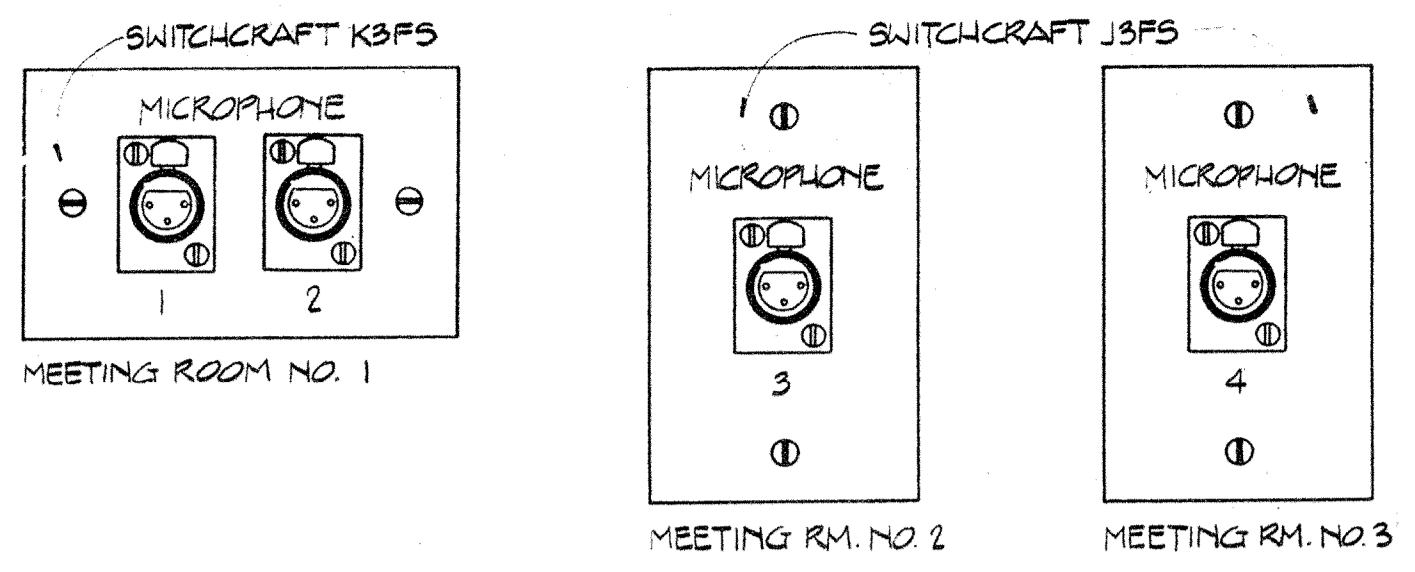
DATE AUG. 4, 1983  
PROJECT NO. 2576

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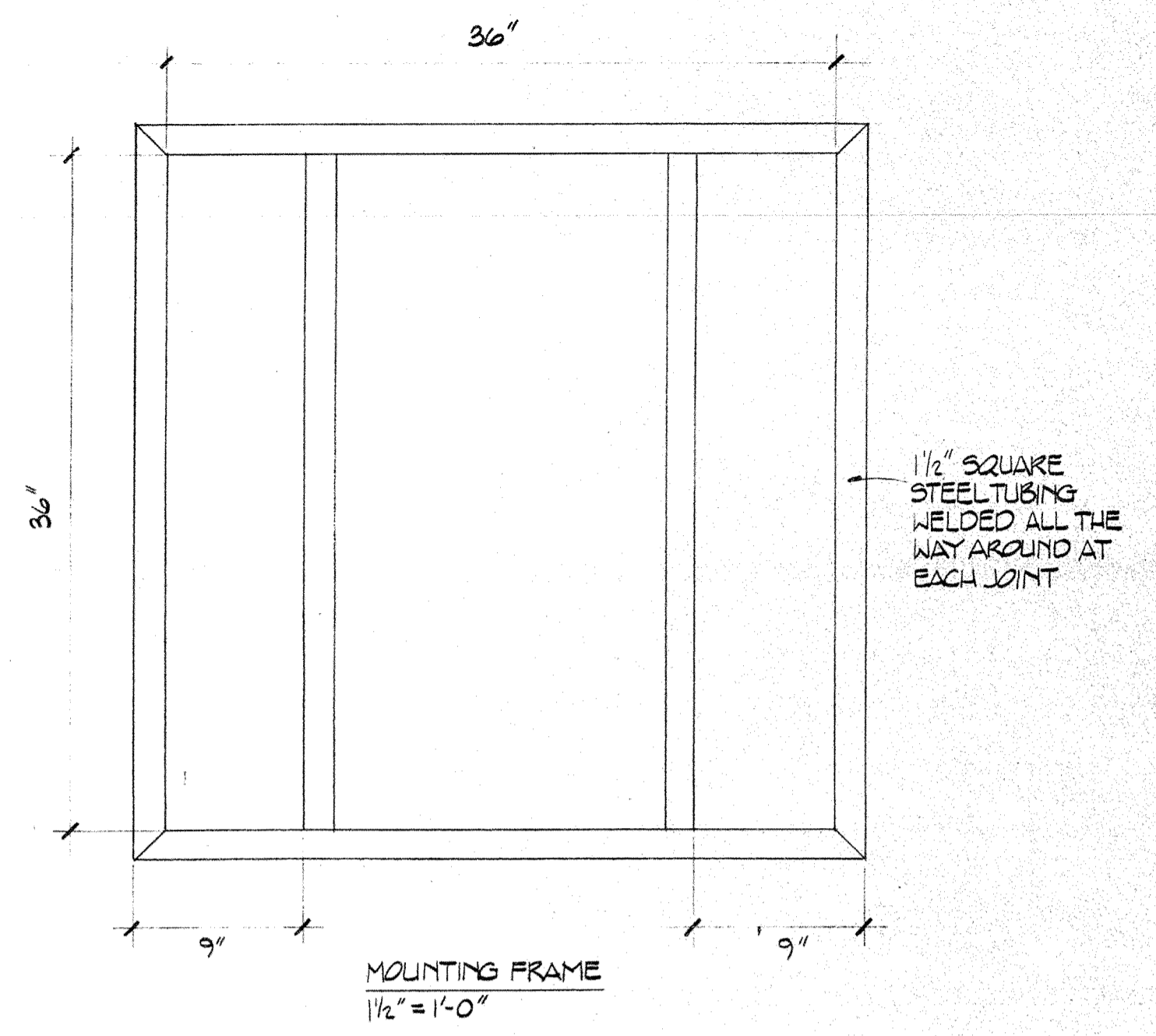
COMMUNITY CENTER FOR RECREATION  
GREELEY COLORADO

SCHEMATIC DIAGRAMS AND DETAILS

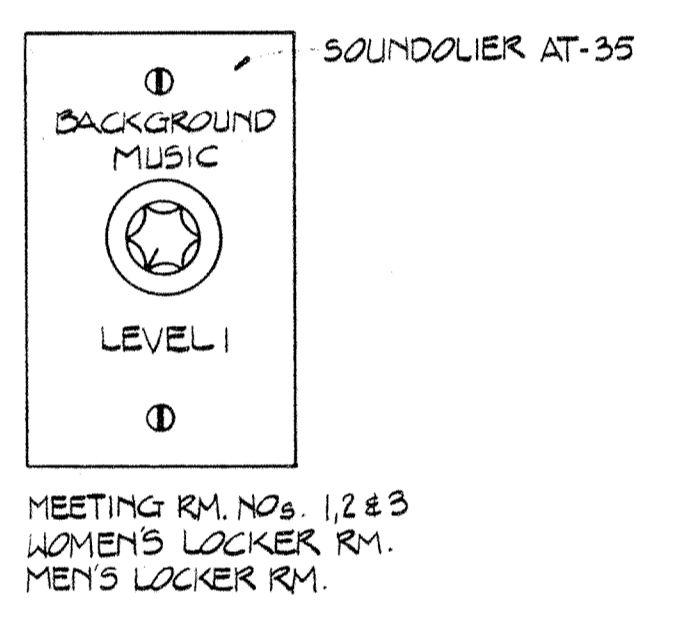
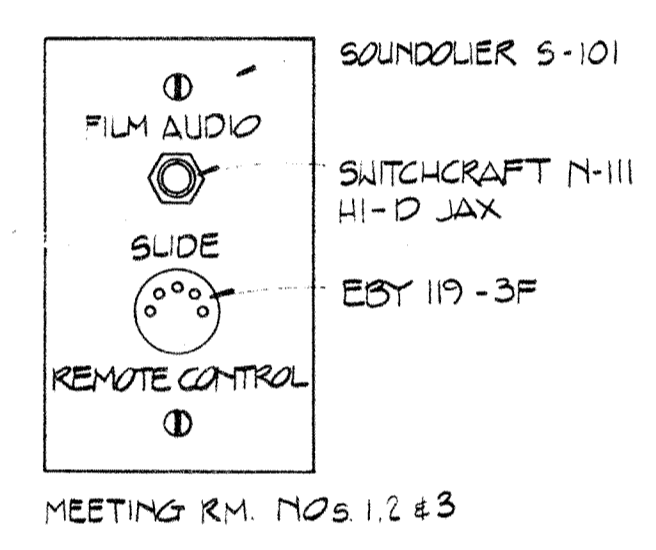
SS-2



ATTACH LOUDSPEAKER CLUSTER TO ROOF STRUCTURE WITH 1/4" AIRCRAFT CABLE, CABLE THIMBLES & CABLE CLAMPS TO 1/2" FORGED EYE-BOLT IN FRAME (TYP. 4)

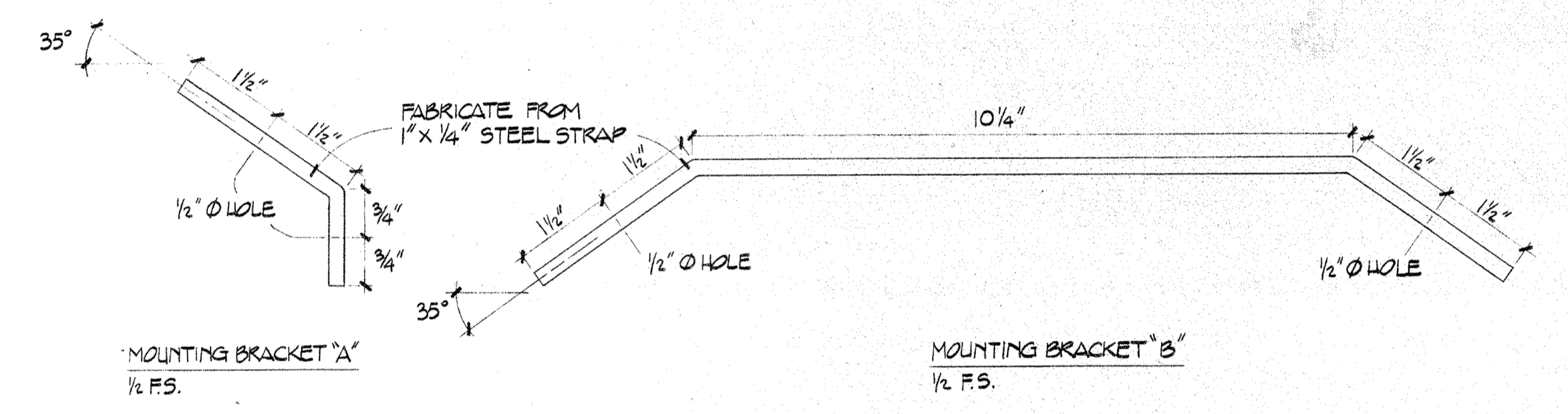
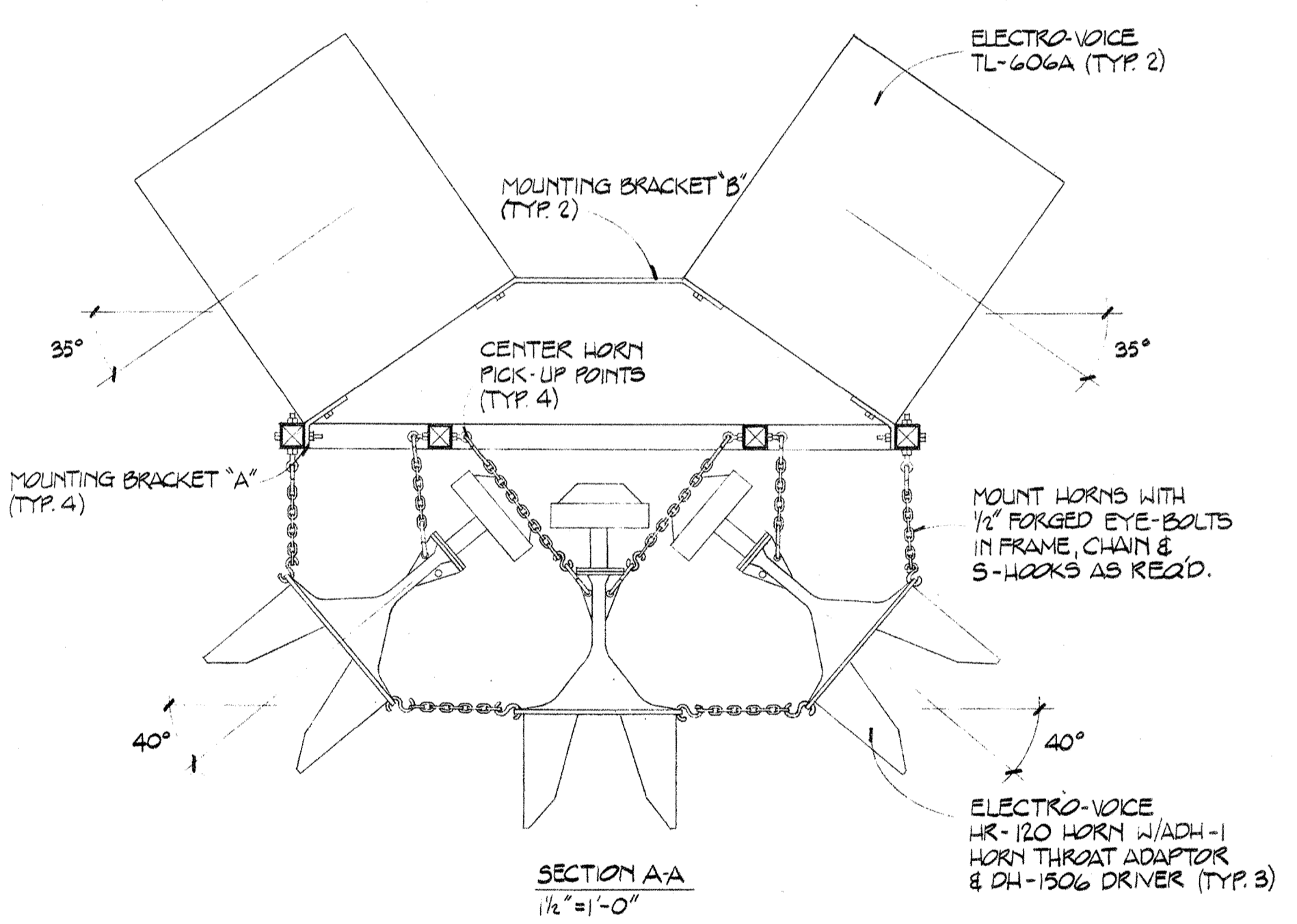


1 MICROPHONE RECEPTACLES  
SS-3 HALF SCALE



2 FILM AUDIO/REMOTE CONTROL RECEPT.  
SS-3 HALF SCALE

3 WALL VOLUME CONTROL  
SS-3 HALF SCALE



7 AUXILIARY GYMNASIUM LOUDSPEAKER CLUSTER DETAILS  
SS-3 SCALE AS NOTED

IDENTIFICATION PANEL
CIRCUIT BREAKER PANEL
PAGING MIXER
ROOM EQUALIZER
BLANK PANEL
BACKGROUND MUSIC ATTENUATOR PANEL
BACKGROUND MUSIC POWER AMPLIFIER
BLANK PANEL
PAGING ATTENUATOR PANEL
PAGING POWER AMPLIFIER
BLANK PANEL
AMPLIFIER CARD HOLDER
BLANK PANEL
AMPLIFIER POWER SUPPLY
BLANK PANEL
FAN FUSE PANEL
COOLING FAN

4 SOUND CONTROL EQUIP. RACK LAYOUT  
SS-3 1/8" = 1"

POWER CONTROL PANEL
AUXILIARY GYM MIXER
LOUDSPEAKER MODE SELECTOR
CASSETTE DECK
BLANK PANEL

5 AUXILIARY GYMNASIUM EQUIP. RACK LAYOUT  
SS-3 1/8" = 1"

POWER CONTROL PANEL
AM/FM TUNER
BACKGROUND MUSIC CASSETTE CHANGER
VOLUME/SELECTOR PANEL
BACKGROUND MUSIC MIXER

6 CONTROL CENTER EQUIP. RACK LAYOUT  
SS-3 1/8" = 1"

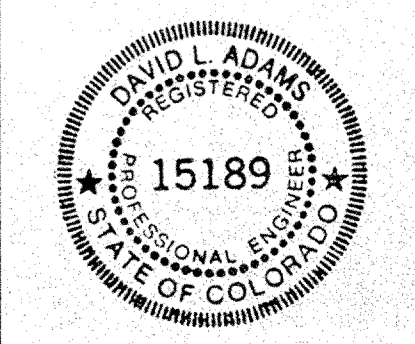
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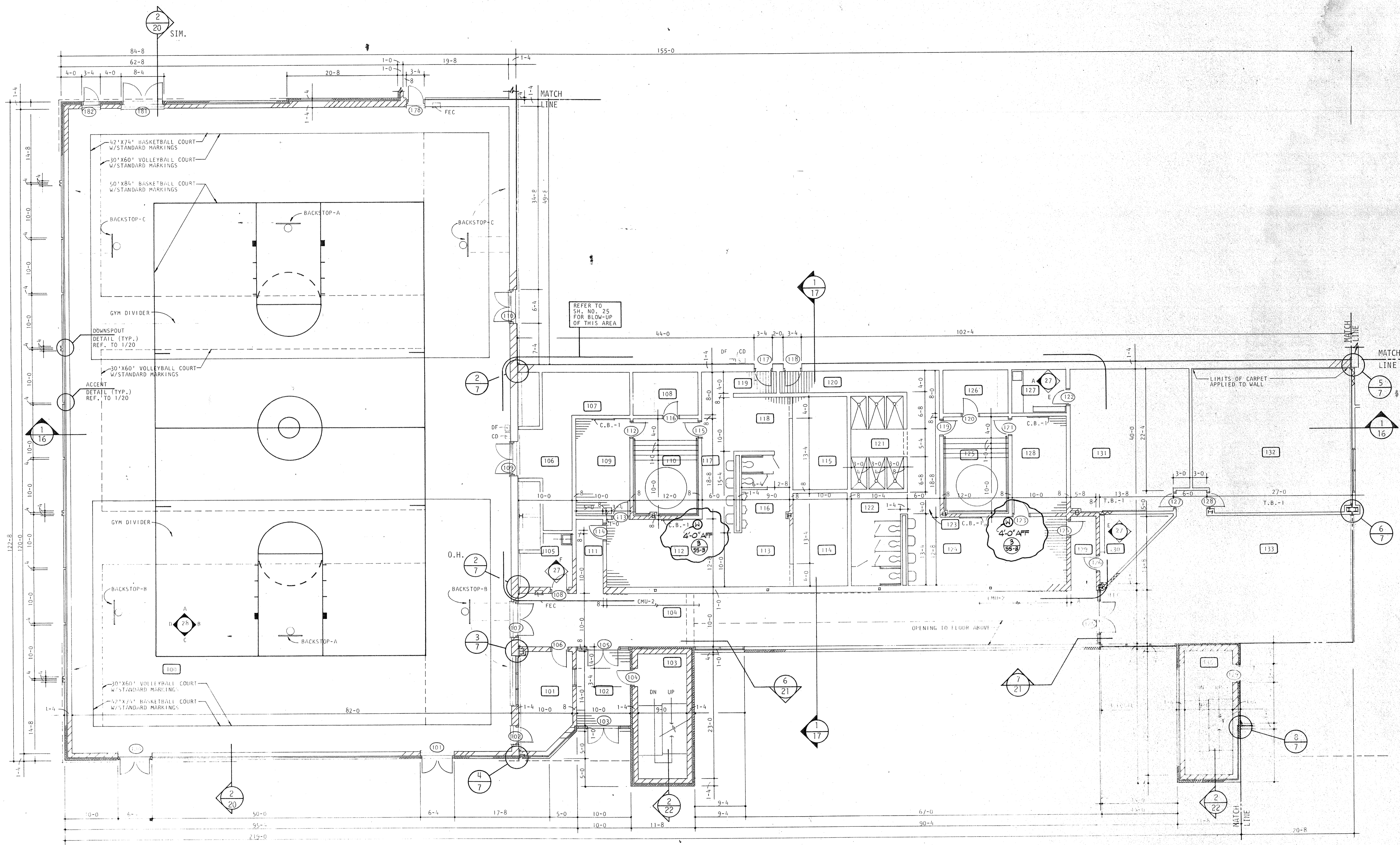


SCALE	AS NOTED
DRAWN	BPO
CHECKED	TRB
APPROVED	DLA
DATE	AUG. 4, 1983
PROJECT NO.	2576

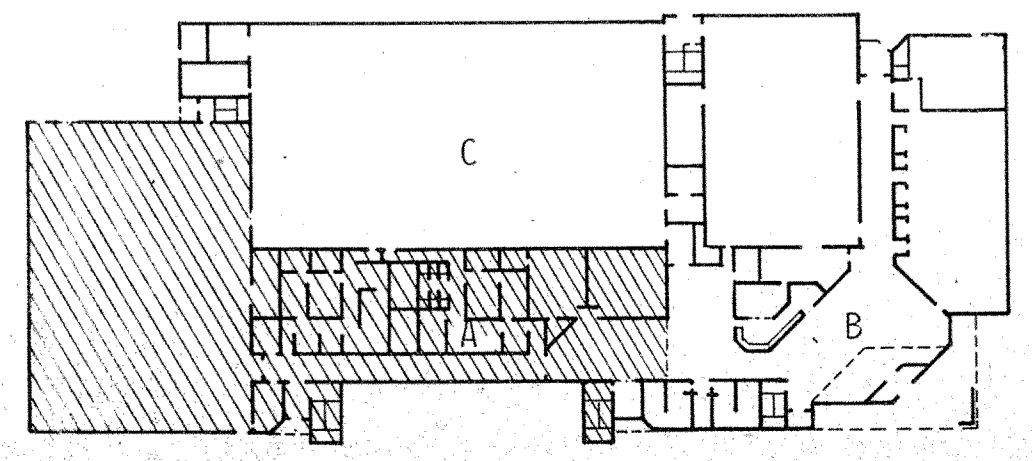
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COMMUNITY CENTER FOR RECREATION  
GREELEY COLORADO

DETAILS

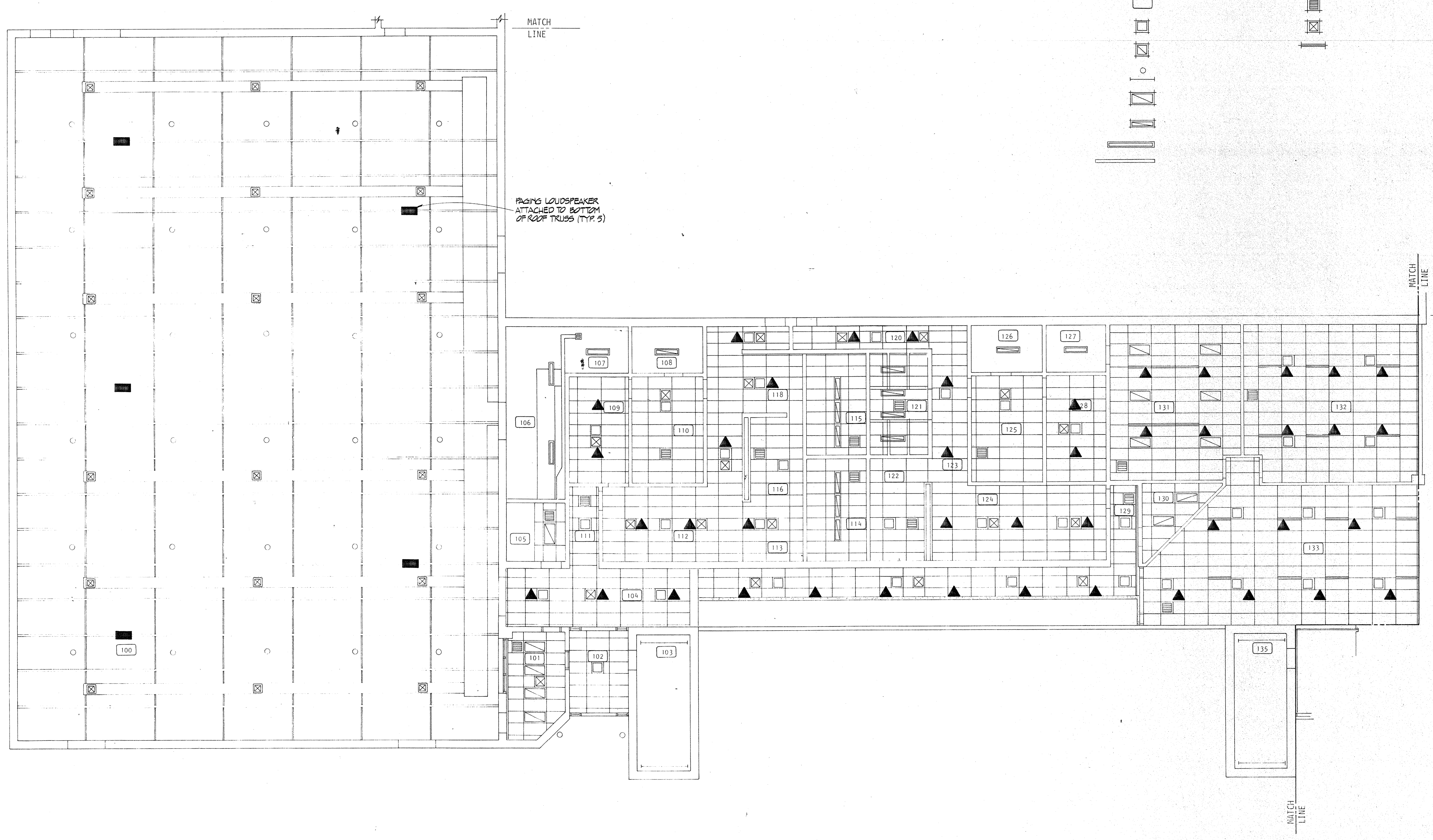


REFER TO SH. NO. 25 FOR BLOW-UP OF THIS AREA

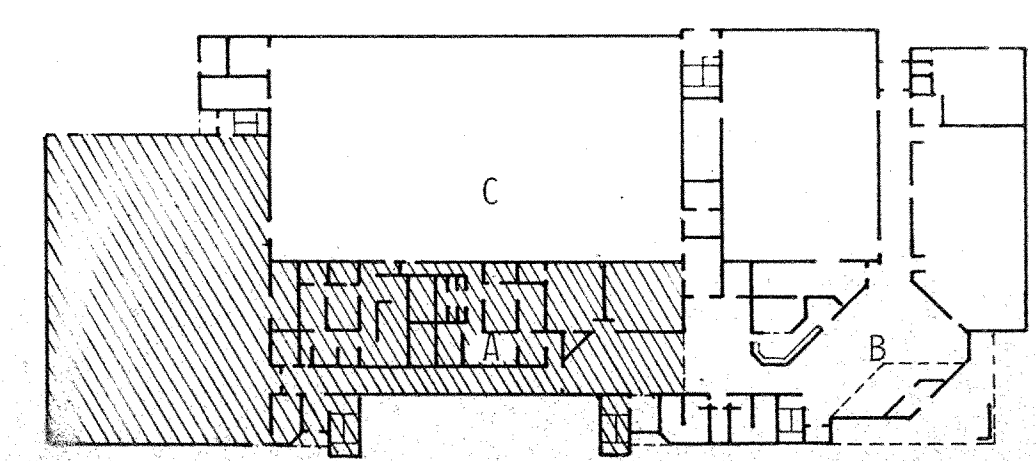


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			<p>DRAWN WLS</p> <p>CHECKED LPS</p> <p>APPROVED RJS</p>	
<p>DATE AUG. 4, 1983</p> <p>PROJECT NO. 82183.00</p>			<p>FIRST FLOOR SOUND SYSTEM LAYOUT - PART "A" SS-4</p>	

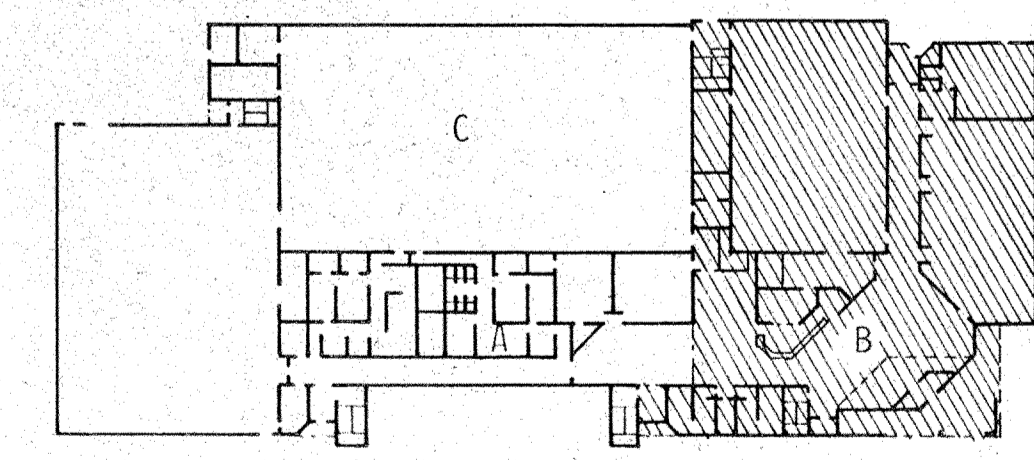
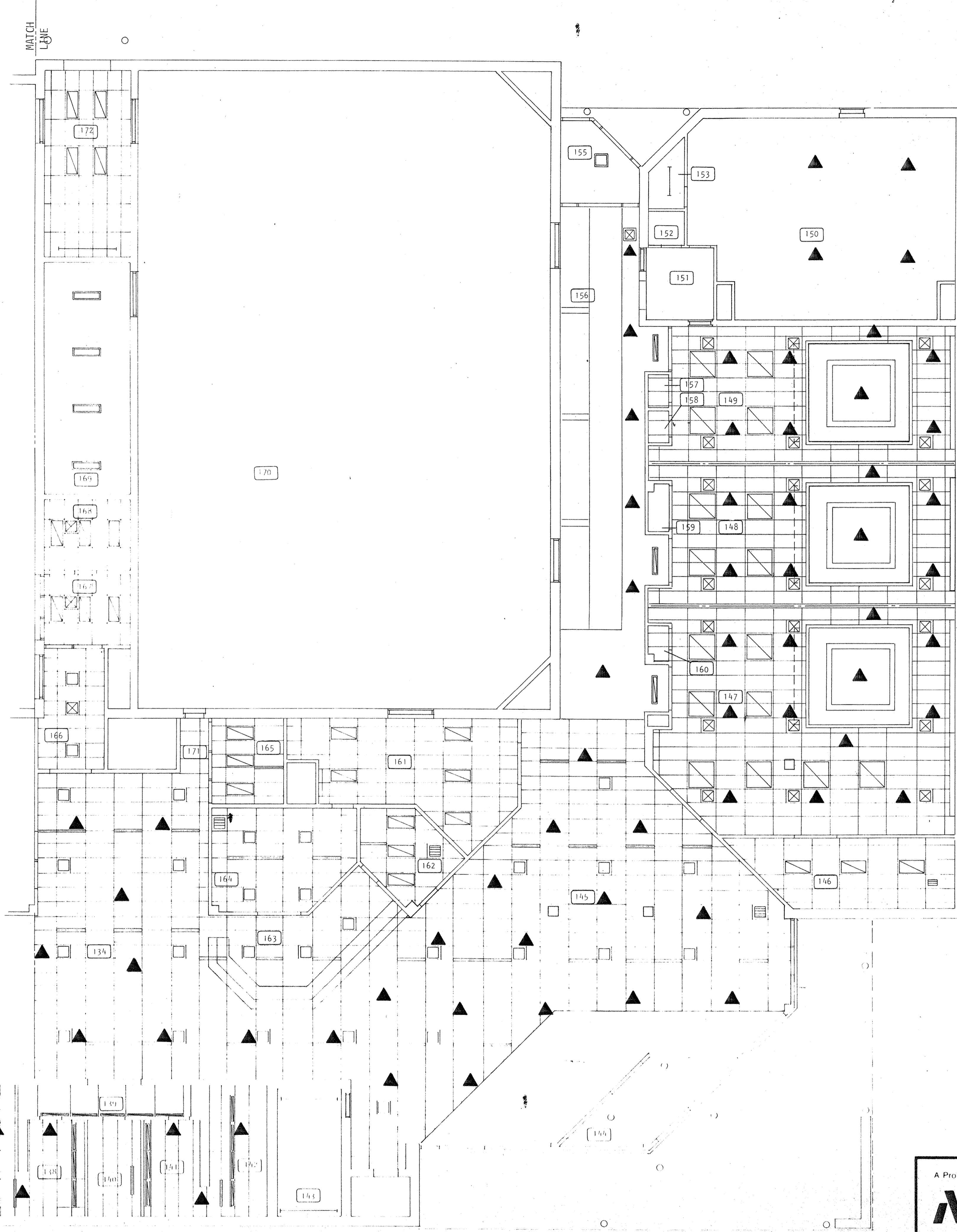




PAGING LOUSPEAKER  
ATTACHED TO BOTTOM  
OF ROOF TRUSS (TYP. 5)

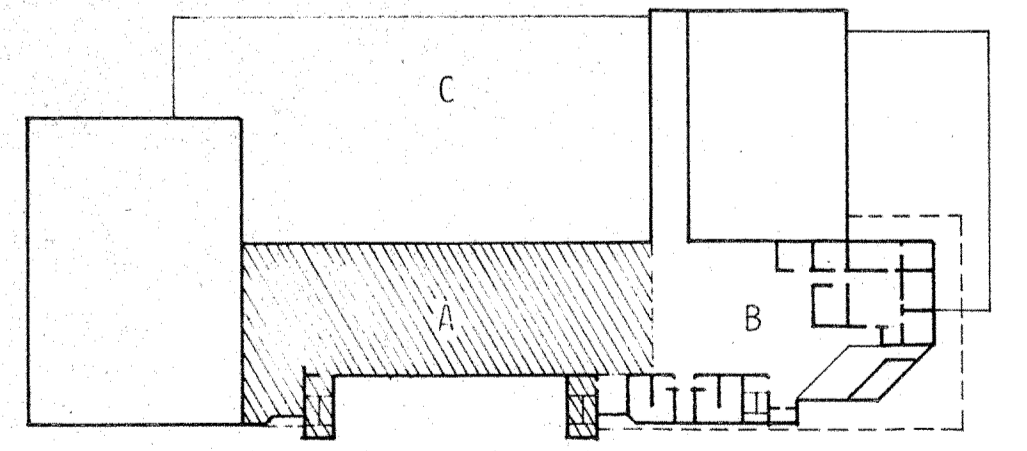
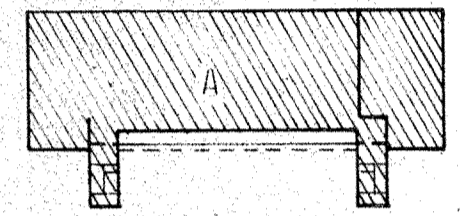
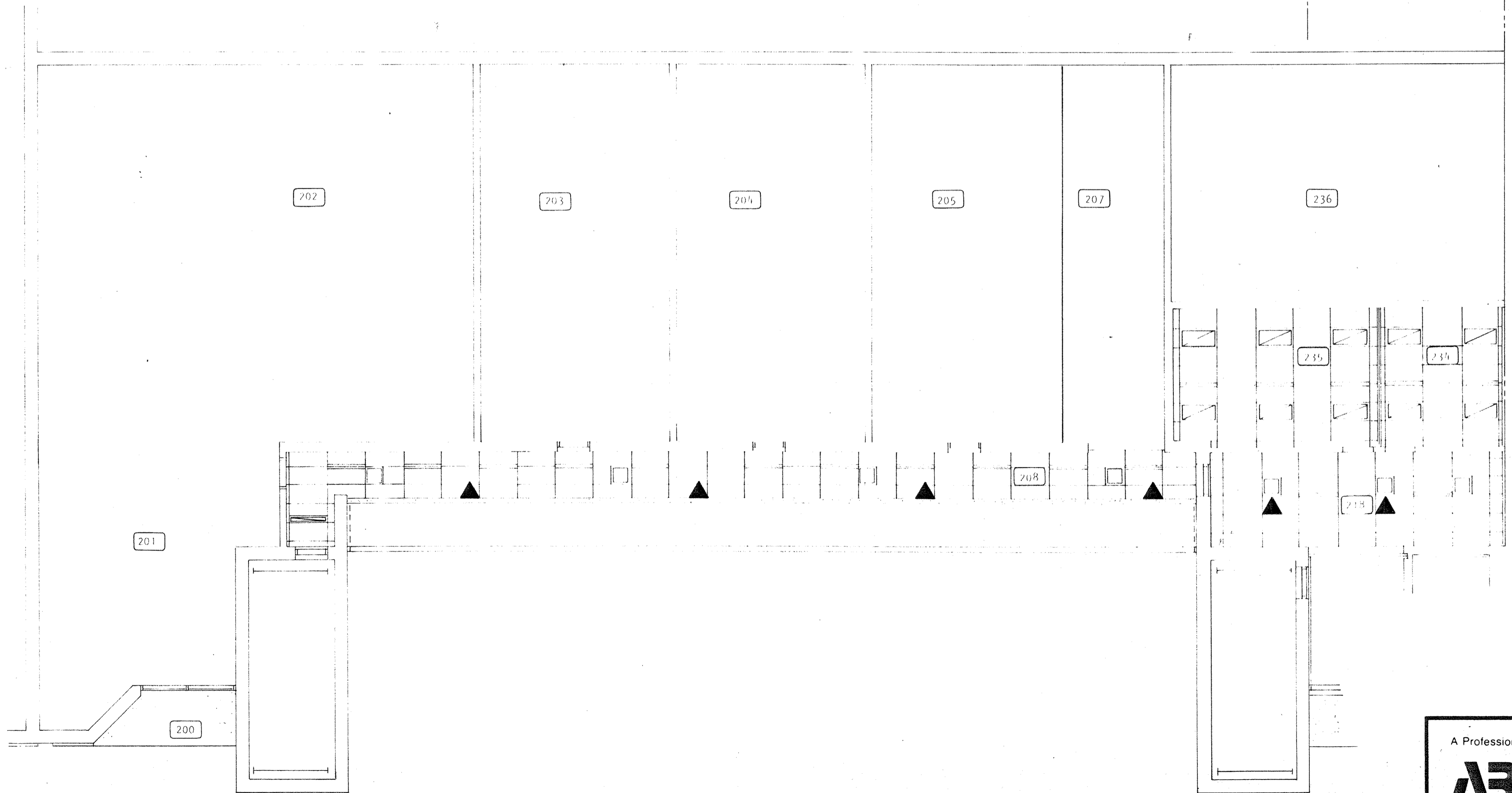
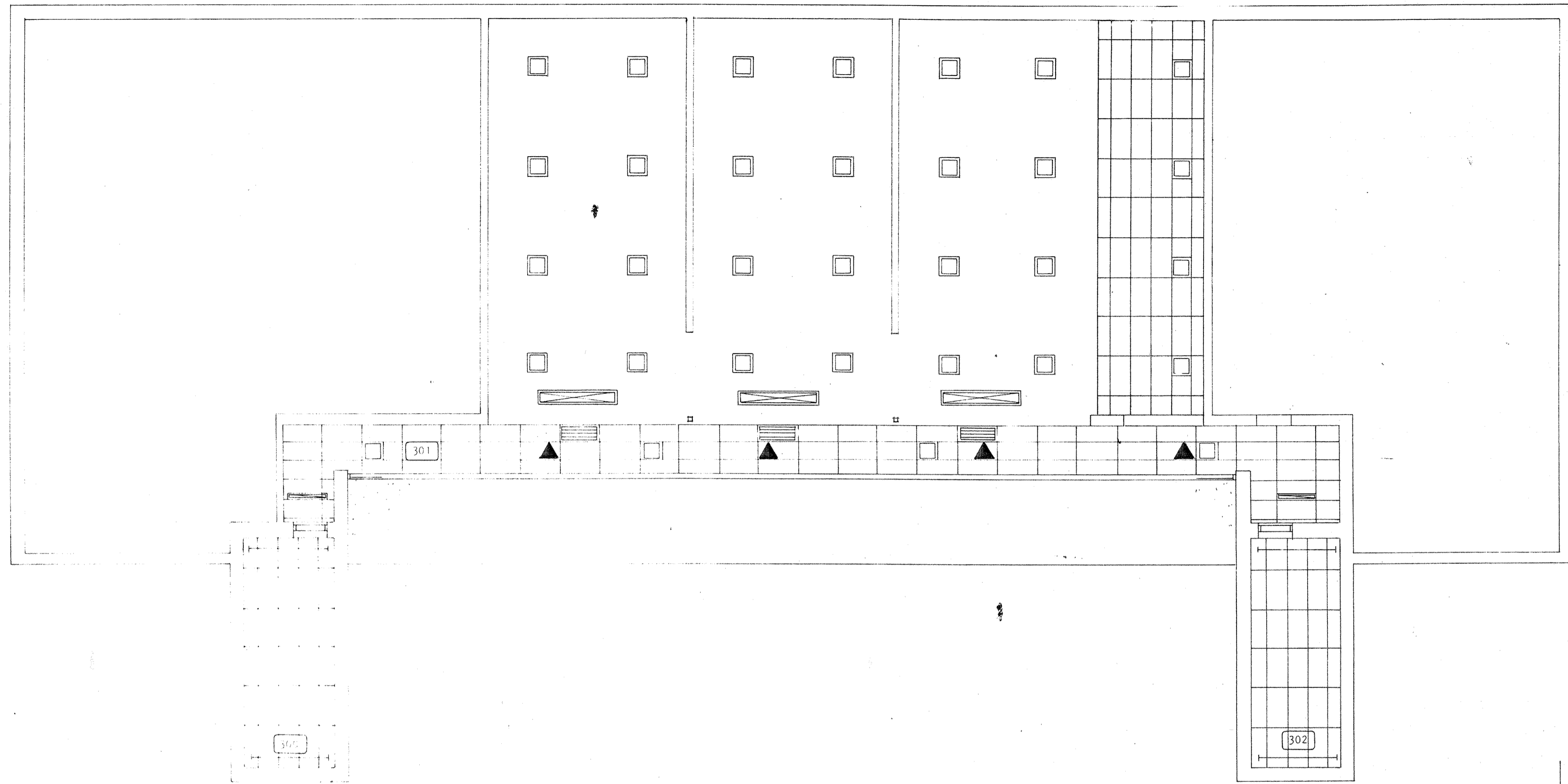


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			DRAWN _____ CHECKED LPS APPROVED RJS		



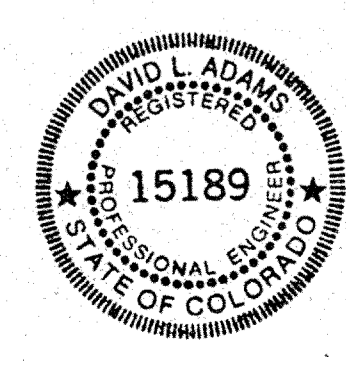
<p>A Professional Corporation</p> <p><b>ARIX</b></p> <p>Engineers Architects Planners</p> <p>Greeley, Colorado Grand Junction, Colorado Riverton, Wyoming</p>	<p>THIS DRAWING IS THE PROPERTY OF ARIX AND IS NOT TO BE REPRODUCED, MODIFIED OR USED FOR ANY OTHER PROJECT OR EXTENSION OF THIS PROJECT EXCEPT BY AGREEMENT WITH SAID COMPANY.</p>		<p>SCALE 1/8" = 1'-0"</p>	<p>David L. Adams Associates, Inc.</p> <p>1701 Boulder Street Denver, Colorado 80211 (303) 455-1900</p>	
			<p>DRAWN _____</p> <p>CHECKED _____</p> <p>APPROVED _____</p>	<p>COMMUNITY CENTER FOR RECREATION</p> <p>GREELEY COLORADO</p>	
			<p>DATE AUG. 4, 1983</p> <p>PROJECT NO. 82183.00</p>	<p>LOUDSPEAKER LAYOUT FIRST FLOOR - PART "B"</p>	
					<p>SS-8</p>





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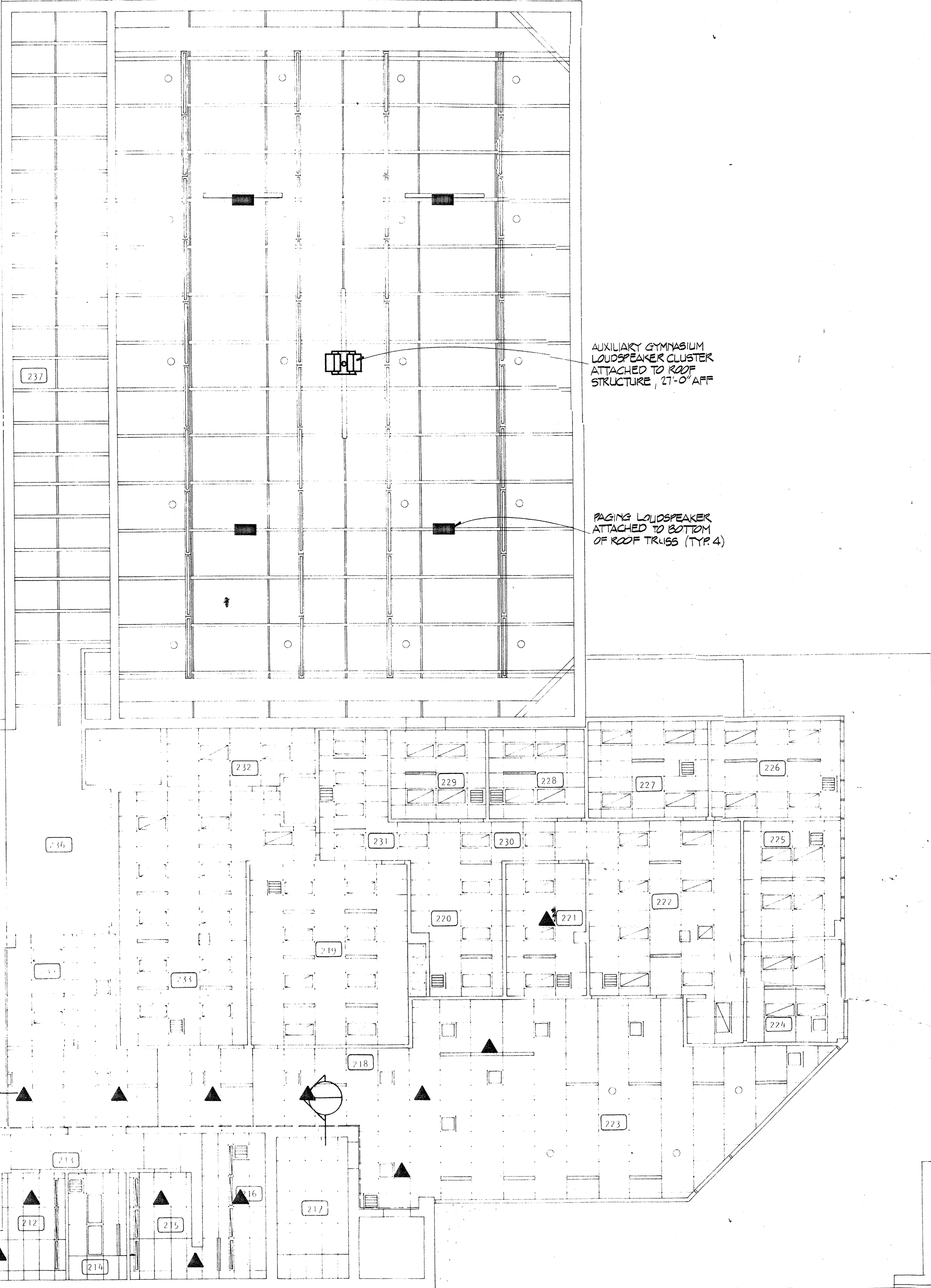
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SCALE 1/8" = 1'-0"  
 DRAWN \_\_\_\_\_  
 CHECKED LPS  
 APPROVED RJS  
 DATE AUG. 4, 1983  
 PROJECT NO. 82183.00

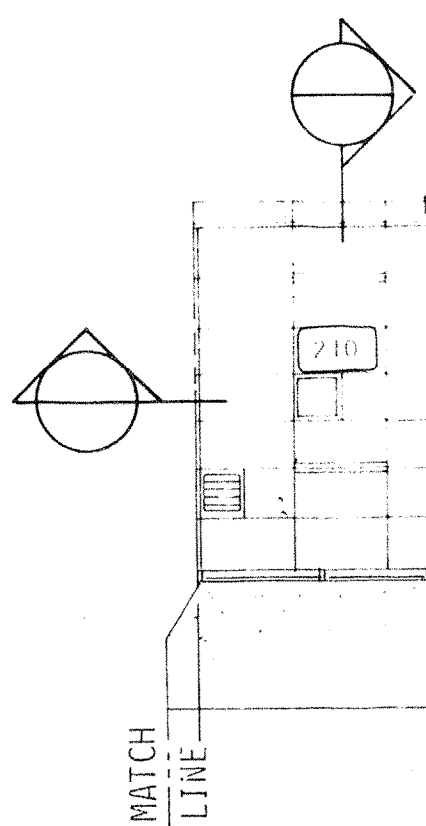
David L. Adams Associates, Inc.  
 1701 Boulder Street Denver, Colorado 80211 (303) 455-1900  
 COMMUNITY CENTER FOR RECREATION  
 GREELEY COLORADO  
 LOUDSPEAKER LAYOUT SECOND FLOOR - PART "A" SS-9

MATCH LINE

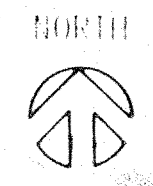


AUXILIARY GYMNASIUM LOUSPEAKER CLUSTER ATTACHED TO ROOF STRUCTURE, 27'-0" AFF

PAGING LOUSPEAKER ATTACHED TO BOTTOM OF ROOF TRUSS (TYP. 4)



MATCH LINE



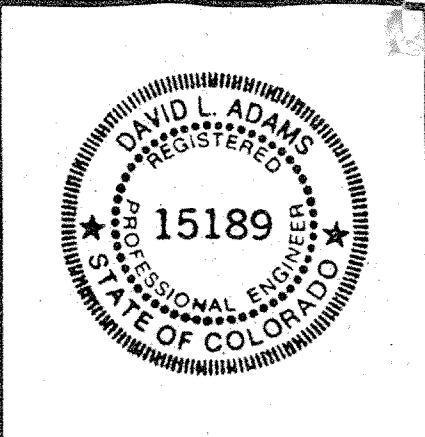
A Professional Corporation

**ARIX**

Engineers Architects Planners

Creeley, Colorado  
Grand Junction, Colorado  
Riverton, Wyoming

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SCALE	1/8" = 1'-0"
DRAWN	_____
CHECKED	LPS
APPROVED	RJS
DATE	AUG. 4, 1988
PROJECT NO.	82183.00