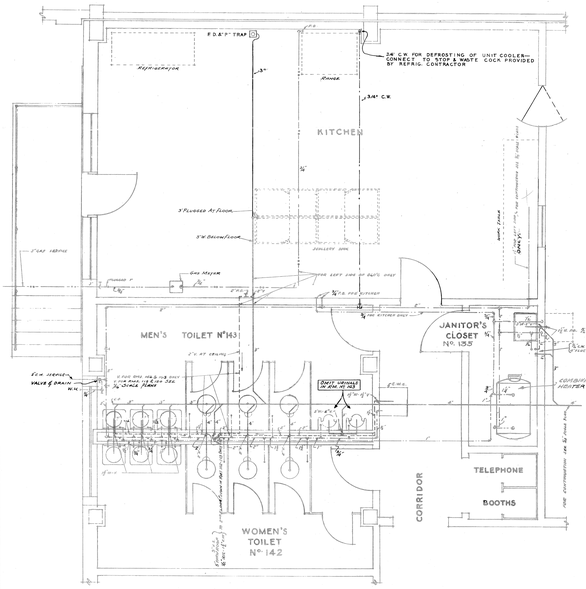
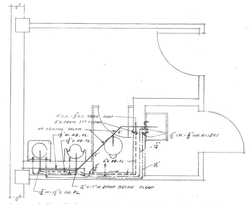
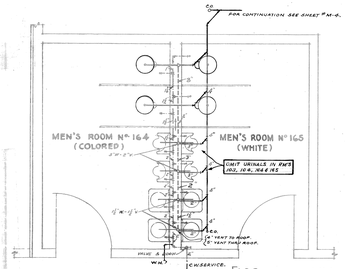


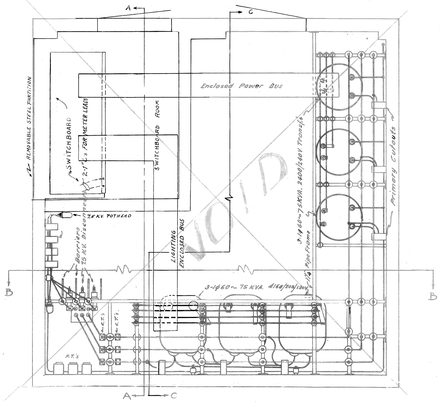
PLAN OF TOILET ROOMS Nº. 142 AND 143
TOILETS 119 AND 120 SAME BUT REVERSE



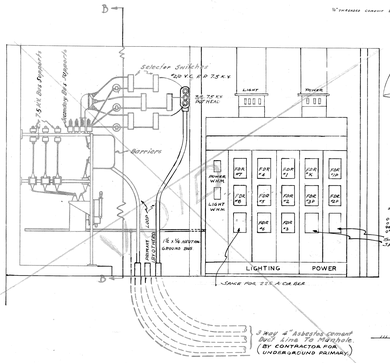
PLAN OF TOILET ROOM Nº. 210



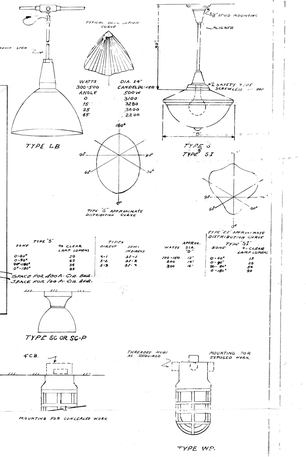
PLAN OF TOILET ROOMS Nºs. 159, 160 AND 164, 165
TOILETS 103, 104 AND 109, 111 SAME BUT REVERSE

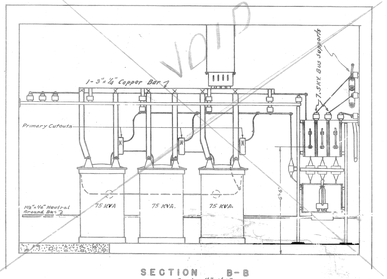


TRANSFORMER VAULT
PLAN
Scale: 3/4"=1'-0"

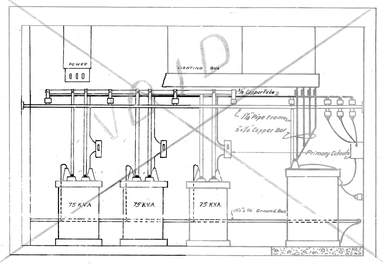


SECTION A-A





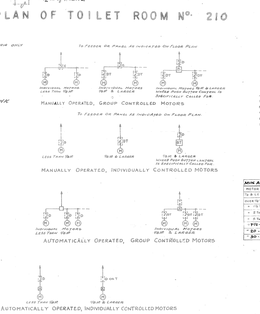
SECTION B-B
Scale: 3/4"=1'-0"



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

TYPICAL SECTION OF DUCT LINE FOR UNDERGROUND FEEDERS IN SECONDARY WIRING. (NOT TO SCALE)

TYPICAL SECTION OF DUCT LINES CROSSING UNDER TRACKS



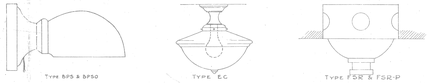
MANUALLY OPERATED, GROUP CONTROLLED MOTORS

MANUALLY OPERATED, INDIVIDUALLY CONTROLLED MOTORS

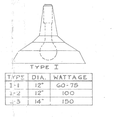
AUTOMATICALLY OPERATED, GROUP CONTROLLED MOTORS

AUTOMATICALLY OPERATED, INDIVIDUALLY CONTROLLED MOTORS

MIN. AMP. RATING		CONNECTING MOTOR	
MOTOR HP.	LIGHT HP.	220 V. 1-Ø	440 V. 3-Ø
1/2 & 1/3	1/2	1/3	1/2
3/4 & 1/2	3/4	1/2	3/4
1 & 3/4	3/4	3/4	3/4
1 & 1	1	1	1
1 1/2 & 1	1 1/2	1	1 1/2
2 & 1 1/2	2	1 1/2	2
3 & 2	3	2	3
5 & 3	5	3	5
7 1/2 & 5	7 1/2	5	7 1/2
10 & 7 1/2	10	7 1/2	10
15 & 10	15	10	15
20 & 15	20	15	20



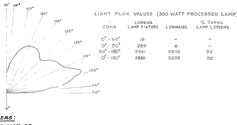
Type BPS & BPSO — TYPE EG — TYPE FSR & FSR-P



TYPE I

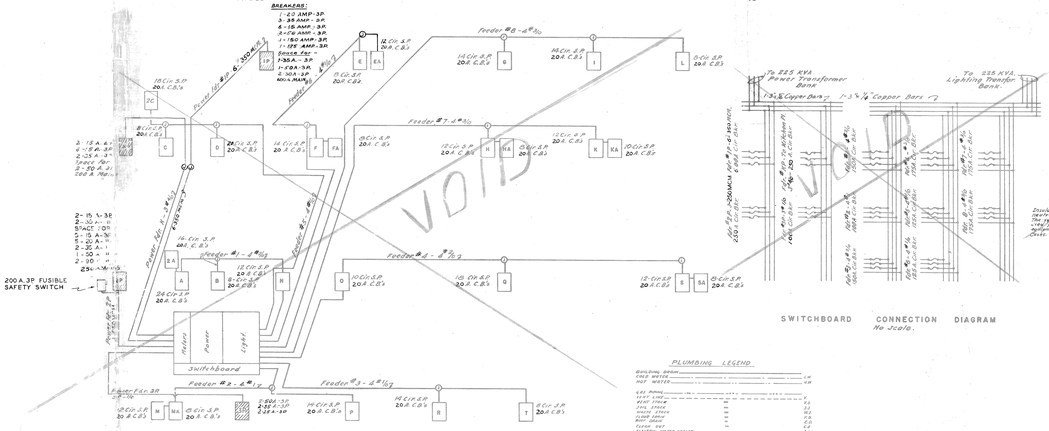
TYPE	DIA.	WATTAGE
I-1	12"	60-75
I-2	12"	100
I-3	14"	150

TYPE IO



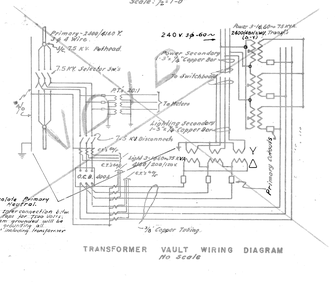
LIGHT FLUX VALUES (300 WATT PROCESSED LAMP)

ZONE	LUMENS LAMP FIXTURE	LUMINAIRE	% TOTAL LAMP LUMENS
0°-60°	15	4	4
0°-90°	269	68	90
90°-180°	5541	5512	92
0°-180°	5806	5578	96



POWER AND LIGHT RISER DIAGRAM
No Scale.

SWITCHBOARD CONNECTION DIAGRAM
No Scale.



TRANSFORMER VAULT WIRING DIAGRAM
No Scale

PLUMBING LEGEND

BUILDING DRAIN		
COLD WATER	CW	
HOT WATER	HW	
GAS PIPING	G	
VENT LINE	V	
VENT STACK	VS	
FLOOR DRAIN	FD	FD
FLOOR SINK	FS	FS
FLOOR TRAP	FT	FT
FLOOR CLEAN OUT	CO	CO
ELECTRIC WATER COOLER	EWC	EWC
PLUMBER OUTLET	PO	PO
GREASE TRAP	GT	GT
GREASE PUMP	GP	GP
WALL HYDRANT	WH	WH

ELECTRIC WATER COOLERS
COOLING CAPACITY 30 G.P.H. FROM 90°F. TO 50°F.

DRAIN AND SUPPLY CONNECTION TO PLUMBING FIXTURES

FIXTURE	WASTE	C.W.	H.W.
WATER CLOSET	4"	1"	
URINAL	2"	3/4"	
LAVATORY	1 1/4"	3/8"	3/8"
SERVICE SINK	3"	3/4"	3/4"
SINK	1 1/2"	3/4"	3/4"
ELECTRIC WATER COOLER	1 1/4"	3/8"	

PLUMBING NOTES

ALL SANITARY LATERALS OF TERRACE PLATFORM FIRE TRAPS, OR ENTERED APPROXIMATELY 24 FEET FROM PLATFORM LEVEL. SEE ARCHITECTURAL DWG.

ALL SANITARY LATERALS OF TERRACE PLATFORM SHALL BE EXTENDED ABOVE THE PLATFORM SUFFICIENT TO PROVIDE A 3" TRAP.

ALL SANITARY LATERALS FROM MONITORS WILL BE EXTENDED APPROX. ONE FOOT ABOVE MONITORS. TRAP SEE DWG. PLAN.

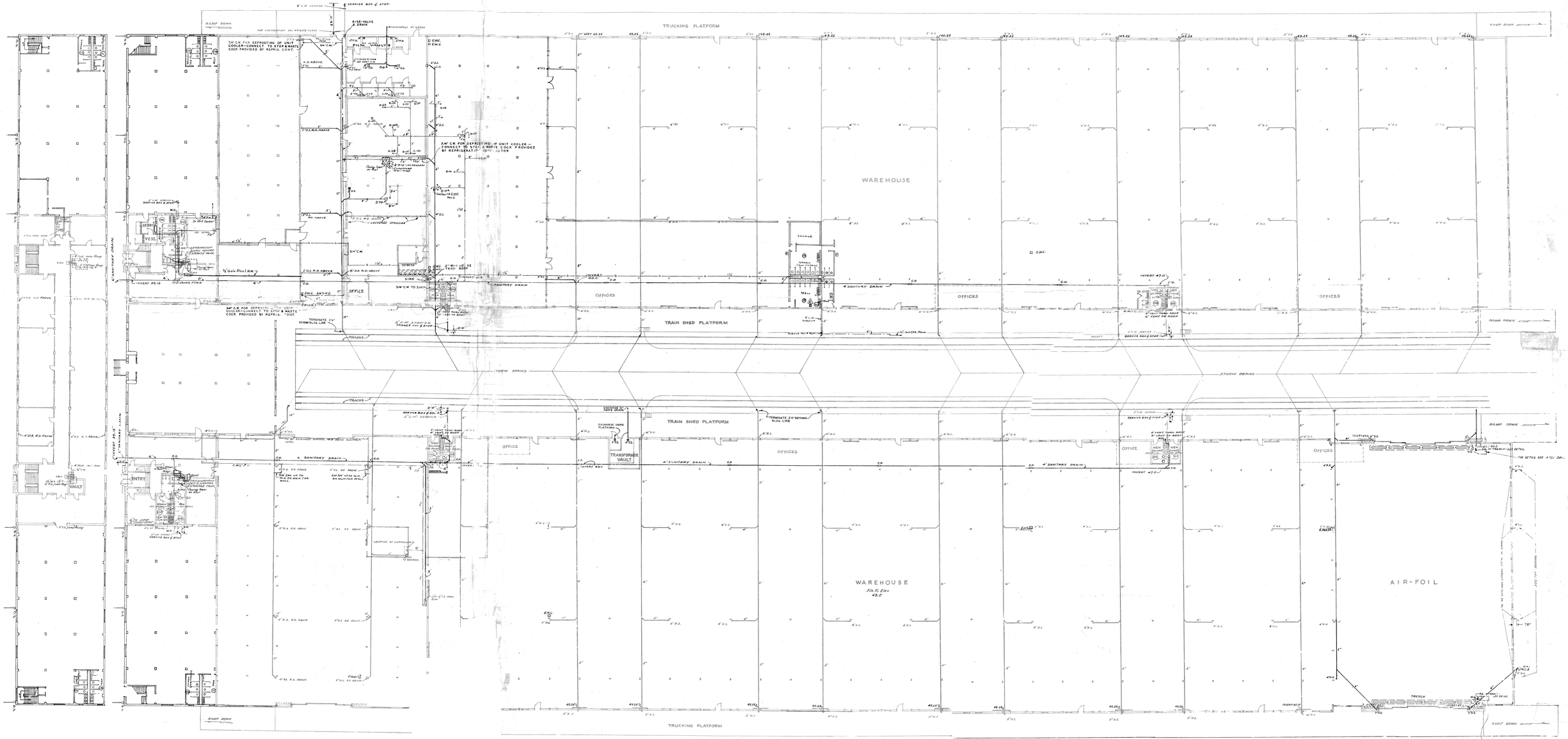
(SEE ELECTRICAL FEEDER DIAGRAM - [illegible])

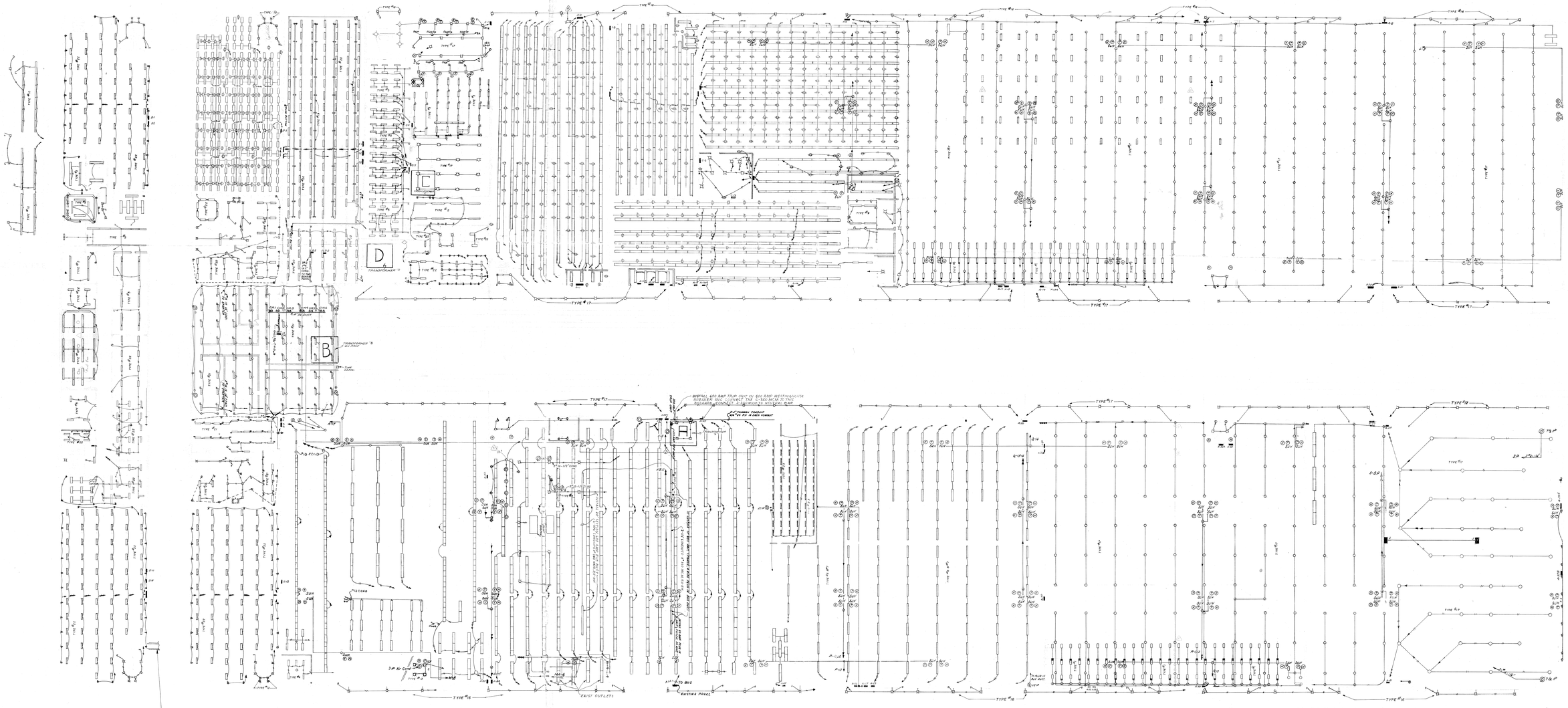
AS BUILT

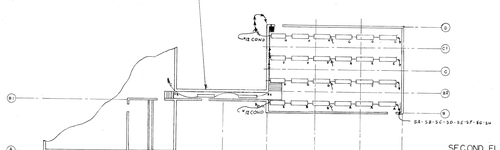
MIDWEST AIR DEPOT
OKLAHOMA CITY, OKLAHOMA
SUPPLY DEPOT UNIT NO. 1
ELECTRICAL - PLUMBING
A. CONDON TURNBULL AND SVERDRUP & PARTNERS, CONSULTING ENGINEERS
U.S. ENGINEER OFFICE, TULSA, OKLAHOMA

FIELD CHG. "M" REPORTS	6-17-43	J.A.C.	
TRACED AS CONSTRUCTED	3-17-43	CHK.	JAN 1
ELECTRICAL DETAILS			

CONSTRUCTED BY: [illegible]
APPROVAL RECOMMENDED: [illegible]
APPROVED: [illegible]


TRUCKING PLATFORM
WAREHOUSE
OFFICES
TRAIN SHED PLATFORM
STORM DRAINS
TRACKS
OFFICE
TRANSFORMER VAULT
AIR-FOIL
TRENCH
RAMP DOWN
SANITARY DRAIN
VAULT
ENTRY
LOUNGE
MEN
WOMEN
SERVICE BOX & STOP
RISE-VALVE DRAIN
FILTER VAULT
3/4" C.W. FOR DEFROSTING OF UNIT COOLER—CONNECT TO STOP & WASTE COCK PROVIDED BY REFRIG. CONT.
3/4" C.W. FOR DEFROSTING OF UNIT COOLER—CONNECT TO STOP & WASTE COCK PROVIDED BY REFRIGERATION CONTRACTOR
3/4" C.W. FOR DEFROSTING OF UNIT COOLER—CONNECT TO STOP & WASTE COCK PROVIDED BY REFRIG. CONT.
3/4" C.W. TO SINK
SINK
LOUVERED OPENINGS
TERMINATE 2'0" BEYOND REVEALING LINE
DISCHARGE UNDER PLATFORM
TERMINATE 2'0" BEYOND BLDG. LINE
4" SANITARY DRAIN
INVERT 47.0'
INVERT 45.0'
INVERT 39.15
INVERT 43.5
INVERT 42.0'
INVERT 41.5
INVERT 40.0'
4" VENT THRU ROOF
4" VENT TO ROOF
SERVICE BOX & STOP
RAMP DETAIL SEE DETAIL
SEE DETAIL
SEE DETAIL





SECOND FLOOR ANNEX PLAN
SCALE 1/16"=1'-0"

SYMBOLS

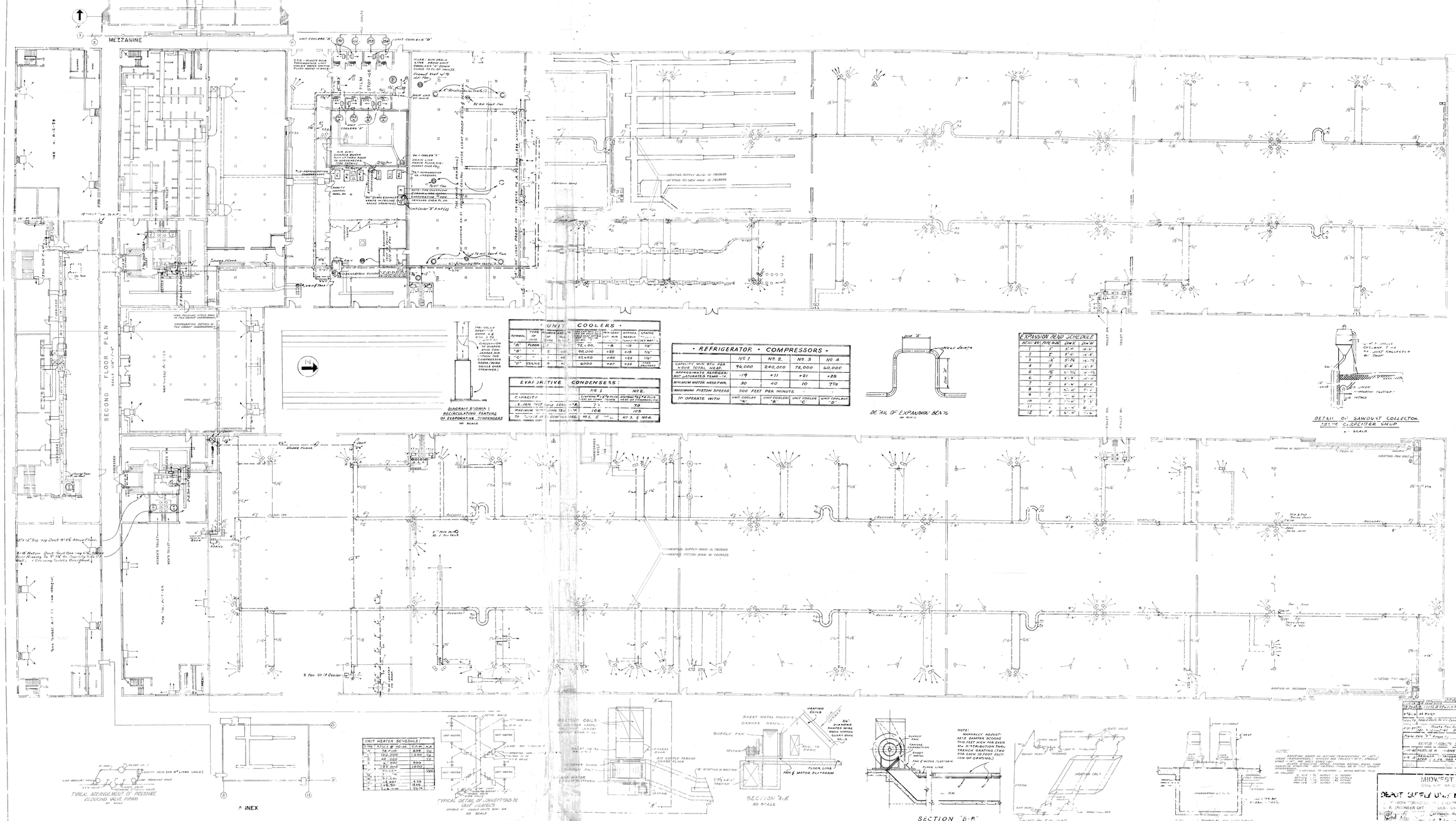
- CEILING OUTLET
- DUPLEX RECEPTACLE
- UNIT HEATER OR COOLER THERMOSTAT
- JUNCTION BOX
- MOTOR
- SINGLE POLE SWITCH
- TWO WAY SWITCH
- FOUR WAY SWITCH
- SUH SWITCH FOR UNIT HEATER OR COOLER
- PANEL BOARD
- BRANCH CIRCUIT IN CEILING OR WALL
- FLUORESCENT LIGHT FIXTURES
- BATHROOM LAVATORY LIGHTS

LEGEND

ALL TYPES OF ELEC. FIXTURES REFERED TO ON THIS SHEET WILL BE FOUND ON SH 431-9, M6A OF M6

TYPE #1	SEE DETAIL #1
TYPE #2	SEE DETAIL #2
TYPE #3	SEE DETAIL #3
TYPE #4	SEE DETAIL #4
TYPE #5	SEE DETAIL #5
TYPE #6	SEE DETAIL #6
TYPE #7	SEE DETAIL #7
TYPE #8	SEE DETAIL #8
TYPE #9	SEE DETAIL #9
TYPE #10	SEE DETAIL #10
TYPE #11	SEE DETAIL #11 & DETAIL SECTION 1
TYPE #12	SEE DETAIL #12
TYPE #13	SEE DETAIL #13
TYPE #14	SEE DETAIL #14 & DETAIL SECTION 1
TYPE #15	SEE DETAIL #15
TYPE #16	SEE DETAIL #16
TYPE #17	SEE DETAIL #17
TYPE #18	SEE DETAIL #18 & DETAIL SECTION 2

NO.	DESCRIPTION / REVISION	DATE	BY	CHK'D
1	Wall Receptacle Fixture			
2	Install & Rout Pass 1-0.3.325-11	10-6-70	RF	
3	Install Fluorescent Fixtures in Stock Room	10-8-70	HW	
4	Add Light Fixture Switches	10-8-70	HW	
5	As Built	3-5-4-1971		
6	Install Conduit	6-1-70	HW	
7	Install Hot Water Receptl. in Changer Room	10-27-70	HW	
8	Electrical Panel Location	10-27-70	HW	



UNIT COOLERS

SYMBOL	TYPE OF UNITS	NUMBER OF UNITS	TON LEAD	APPROX. REAR AIR	STATIC
"A"	FLOOR	1	72.00	-18	1/2"
"B"	-	2	90.000	+25	1 1/2"
"C"	-	1	25.400	+40	1 1/2"
"D"	CEILING	1	6.000	+40	1/2" FREE DELIVERY

EVAPORATIVE CONDENSERS

	No 1	No 2
CAPACITY	SYSTEMS #1 & #2 PLUS HEAT AS EXCHANGER	SYSTEMS #3 & #4 PLUS HEAT AS EXCHANGER
ALLOW. "WET" BULB TEMP. °F	71	78
MAXIMUM SUPPLYING TEMP. °F	106	105
TO SERVE UNITS COMPRESSORS	No 1, 2 & No 3	No 3 & No 4

REFRIGERATOR COMPRESSORS

	No 1	No 2	No 3	No 4
CAPACITY MIN. BTU. PER HOUR TOTAL HEAT	96,000	240,000	72,000	60,000
APPROXIMATE REFRIGERANT SATURATED TEMP. °F	-19	+11	+21	+28
MINIMUM MOTOR HORSEPWR.	30	40	10	7 1/2
MAXIMUM PISTON SPEEDS	500 FEET PER MINUTE			
TO OPERATE WITH	UNIT COOLER "A"	UNIT COOLERS "B"	UNIT COOLER "C"	UNIT COOLERS "D"

EXPANSION BEND SCHEDULE

BEND NO.	PIPE SIZE	DIM X	DIM Y
1	2"	5'-4"	14'-8"
2	2"	5'-4"	14'-8"
3	1 1/2"	5'-7 1/2"	15'-7 1/2"
4	3"	5'-4"	15'-8"
5	1 1/2"	5'-7 1/2"	10'-10 1/2"
6	2"	5'-3"	10'-0"
7	2"	5'-6"	8'-5"
8	2"	6'-0"	7'-1"
9	2"	5'-10"	8'-6"
10	2"	5'-10"	7'-5"
11	"	5'-10"	8'-1"
12	2"	5'-0"	7'-6"

UNIT HEATER SCHEDULE

TYPE	STEAM @ 10 LBS.	C.F.M.	K.W.
1	76,000	8,300	1/2
2	105,000	1,230	1/2
3	60,000	800	1/2
4	125,000	1,600	1/2
5	75,000	1,000	1/2
6	16,000	3,15	
7	14,500	2,75	
8	14,500	2,75	

NOTE: MANUALLY ADJUSTABLE DAMPER SCOOPS TWO FEET HIGH FOR EVEN AIR DISTRIBUTION THRU FRENCH GRATING (TWO SCOOPS PER SECTION OF GRATING).

NOTE: PROPERLY SIZED OR SUITABLE TRANSITIONS AT 45° ONLY WHERE ANY SIZE CHANGE IS MADE. NO SUDDEN OR ABRUPT CHANGES ALLOWED. HEATING RETURN MAINS TAKE DIRECT CONNECTIONS TO TRUSSES. ALL RETURN MAINS TO BE INSULATED. ALL VALVES TO TRUSSES - OPEN BOTTOM TYPE. AS FOLLOWS:
A - SIZE - SUPPLY - 1 1/2 RETURN - 1 1/2
B - SIZE - SUPPLY - 1 1/2 RETURN - 1 1/2
C - SIZE - SUPPLY - 1 RETURN - 1
D - SIZE - SUPPLY - 1 RETURN - 1

REVISIONS			
NO.	DATE	REVISION	APPROVED
1	1-15-42	ADDED 2 STEAM RISERS	
2	1-15-42	AIR INLET	
3	1-15-42	REVISED DUCTS FOR CONFORMING TO FIELD	
4	1-15-42	DUCTS FOR AIR COND. COOLING OFFICE	
5	1-15-42	ADDED 2" FROM 1"	
6	1-15-42	REVISED COOLERS AND UNIT HEATERS	
7	1-15-42	HEATING SUPPLY & RETURN MAINS	
8	1-15-42	REVISED HEATING SUPPLY & RETURN MAINS	
9	1-15-42	REVISED HEATING SUPPLY & RETURN MAINS	
10	1-15-42	REVISED HEATING SUPPLY & RETURN MAINS	
11	1-15-42	REVISED HEATING SUPPLY & RETURN MAINS	
12	1-15-42	REVISED HEATING SUPPLY & RETURN MAINS	