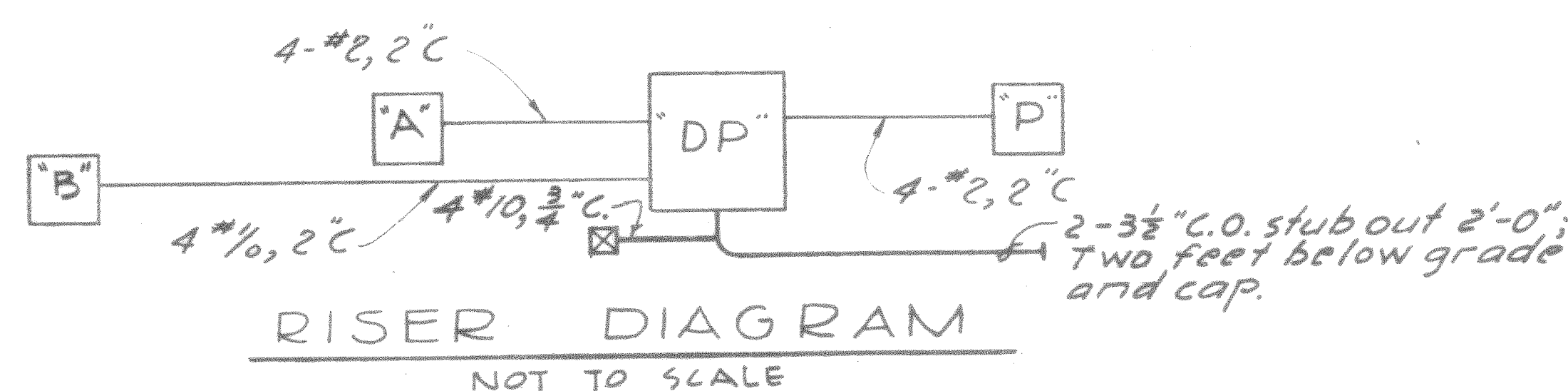
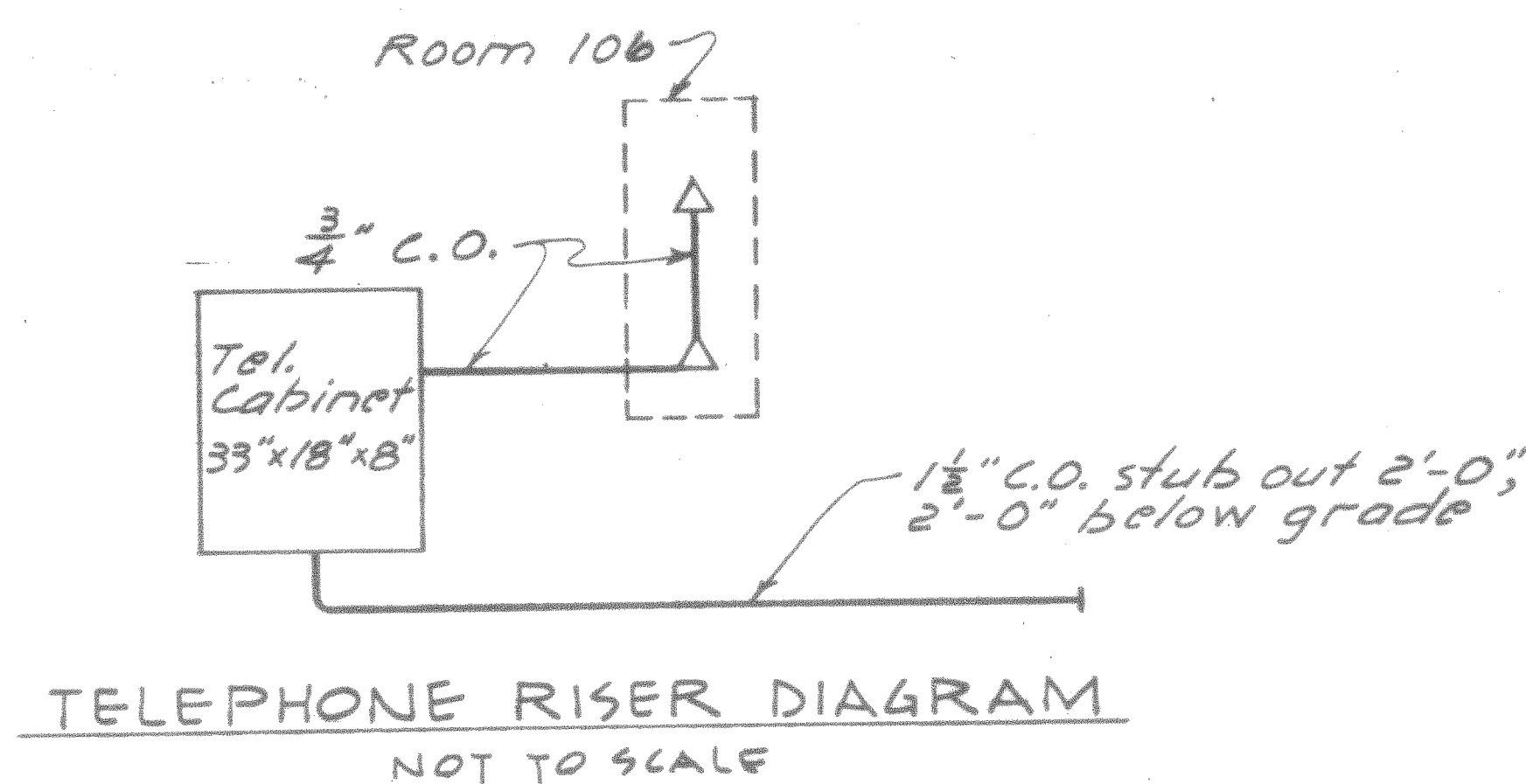


PLAN
SCALE $\frac{1}{8}" = 1'-0"$

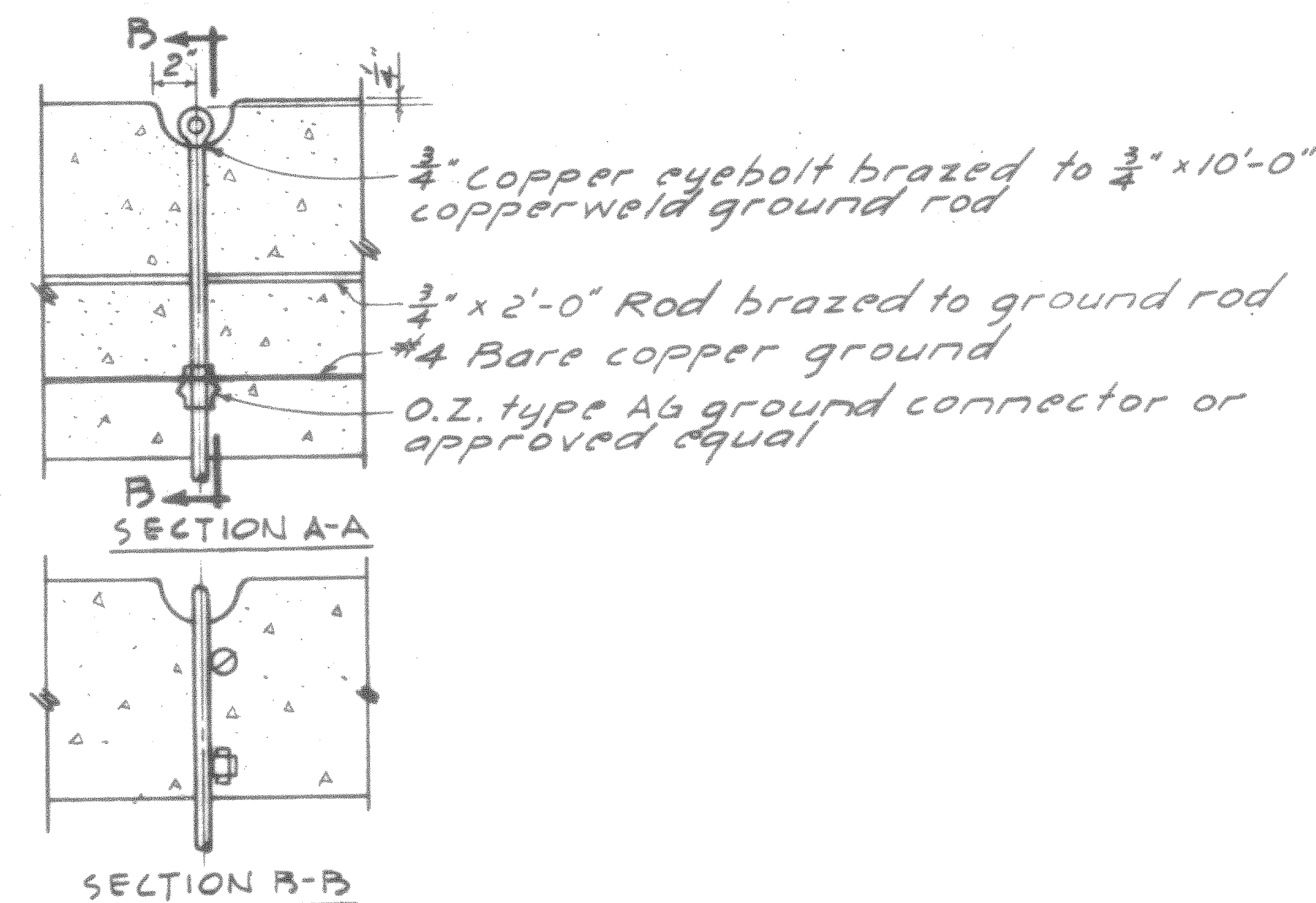
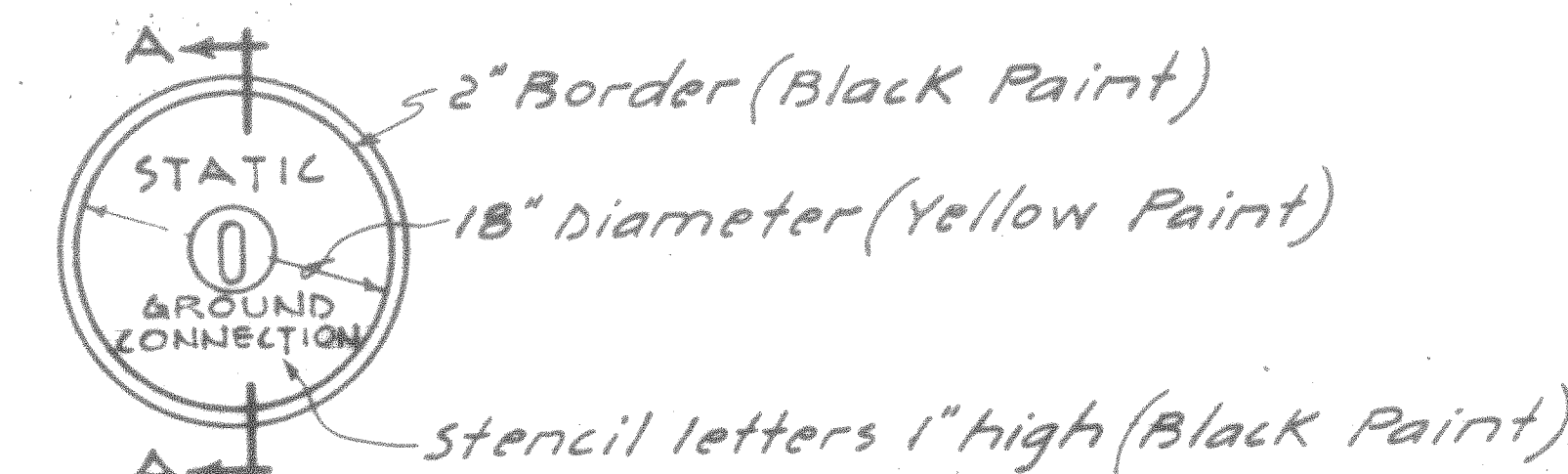
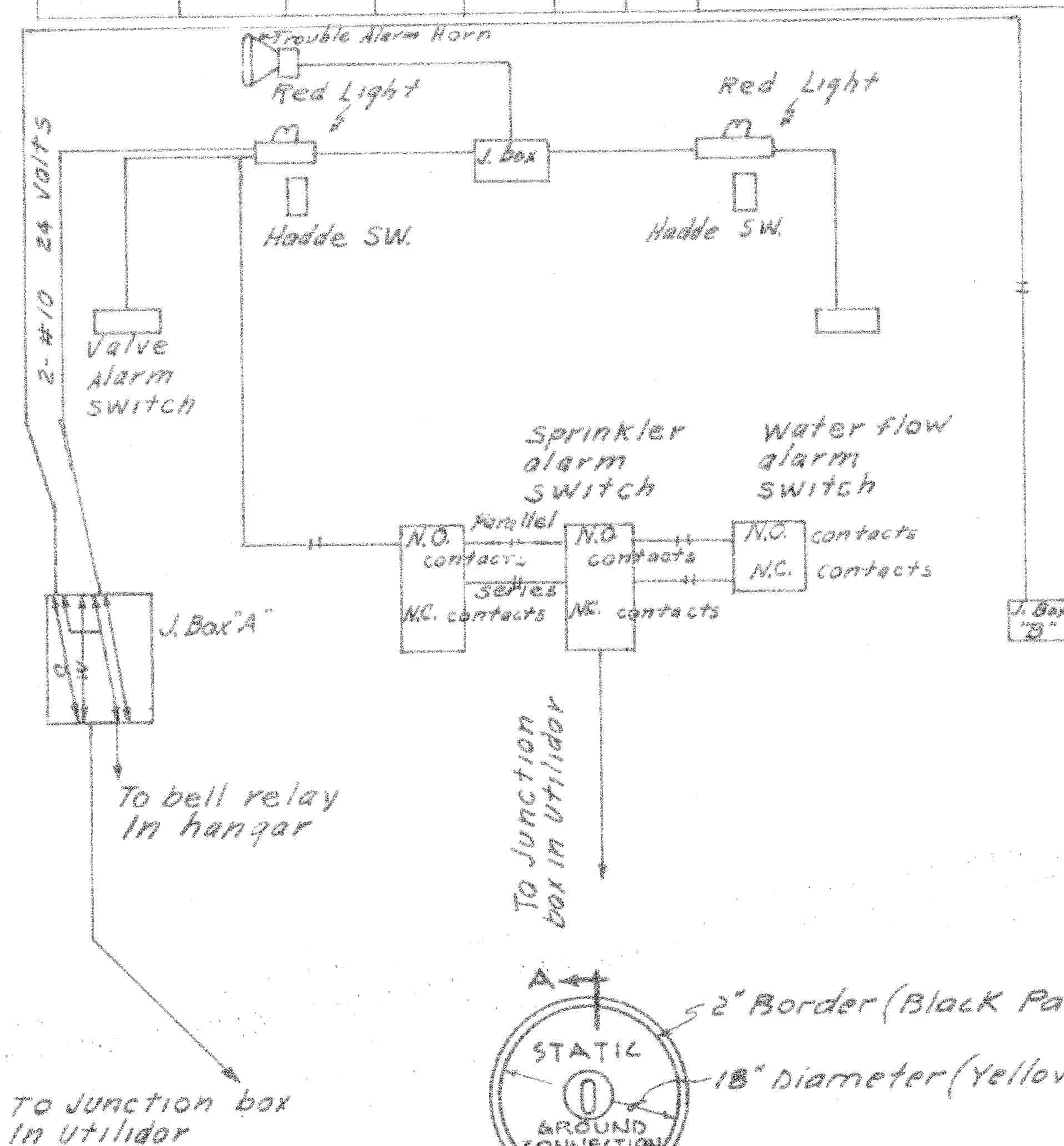


RISER DIAGRAM
NOT TO SCALE

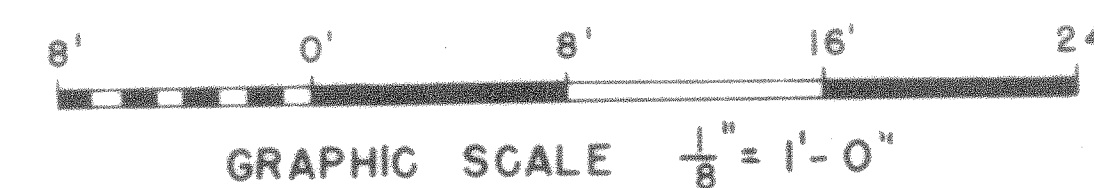


TELEPHONE RISER DIAGRAM
NOT TO SCALE

PANEL SCHEDULES							
TYPE: PANEL CIRCUIT BREAKER, 120/208V 3 ϕ , 4W							
PANEL NO.	CIRCUIT NO.	BREAKER POLES	FRAME	TRIP	WIRE NO.	SIZE	REMARKS
Panel A 100 Amp Lugs On y	1-4	3	50	20	2	12	Hangar Lighting *10/1 st Flt.
	5-13	1	50	30	2	10	Hangar Recept. 30A $\frac{1}{2}$ FL.
	14-15	3	100	70	3	4	Hangar Recept. 60A
	16-17	3	50	20	3	12	Unit Heaters
	18	1	50	20	2	12	Receptacles
	19	3	50	50	4	6	Runway Lts, FL, $\frac{1}{2}$ Windsock
	20-22	3	50	50	-	-	Spares
Panel B 200 Amp Lugs Only	1-4	3	50	20	2	12	Hangar Lighting *10/1 st Flt.
	5-8	1	50	20	2	12	Lts, Recept., Office etc.
	9-17	1	50	30	2	10	Hangar Recept. 30A $\frac{1}{2}$ FL.
	18-19	3	100	70	3	4	Hangar Recept. 60A
	20-21	3	50	20	3	12	Unit Heaters
	22	1	50	20	2	12	Recept.
Panel P 100 Amp Lugs only	23-26	3	50	20	-	-	Spares
	1	3	100	100	3	4	Duplex Air compressor 25 HP
	2-3	3	50	20	3	12	Circulating Pumps
	4-5	3	50	20	3	12	Booster Pumps 2 HP
	6	3	50	20	3	12	Duplex cond. Pump $\frac{1}{2}$ HP
	7	1	50	20	2	12	Exhaust Fan Motors
	8-9	3	50	20	-	-	Spares
Panel DP Main: 600 A Breaker	1	3	100	100	4	2	Panel A
	2	3	225	150	4	1/2	Panel B
	3	3	100	100	4	2	Panel P
	4	3	100	100	-	-	Spore
	5	3	225	150	4	1/2	AAP-63 Nema size 4-starters
	6	3	225	150	4	1/2	AAP-63 Nema size 4-starters
	7	3	225	150	4	1/2	AAP-63 Nema size 4-starters
Panel X 50 Amp Lugs only	8	3	100	70	3	4	Service to crane trolley
	9-10	3	100	100	-	-	Spares
	1	1	50	15	2	12	Sprinkler $\frac{1}{2}$ evac. alarm cabinet
	2	2	50	30	2	12	Sprinkler air compressor
	3	1	50	20	-	-	Obstruction Lights



STATIC GROUND AND
HOLD DOWN DETAIL
NOT TO SCALE



FIXTURE SCHEDULE						
FIXTURE NO.	ROOM DESCRIPTION	FIXTURE TYPE	LAMP WATTS	CEILING HEIGHT	MOUNTING HEIGHT	REMARK
(1)	Hangar Area	HB-6	400W ENI	Barlin Mtg	Bat. of truss	Disc. Hangar - see sheets 17/18
(2)	Hangar Area	CS-2	1000 W	Do	Do	Disc. Hangar - see sheets 17/18
(3)	Mechanical Room	I-3	200W	-	Ceiling	
(4)	Compressor Room	I-3	200W	-	Ceiling	
(5)	Toilet Area	I-3	200W	-	Ceiling	
(7)		R-2	60W	-	Over sides	
(8)	Office	F-131	2/40	-	Ceiling on top of ridge	Crouse-Hinds Type KAW Doub/eq or Approved Equal
(9)	Obstruction Lights	See Remarks	2-100	-	See Plan	Crouse-Hinds Type ADE-1A White Room or Approved Equal-100w Hangar
(6)	Floodlight	-	500	-		
(10)	Bracket Lights	VG-3	100		Over Doors	

LEGEND

SL Limit switch to shut down unit heater fan when doors open.

- ⦿ 60 A, 208 V, 3 ϕ , 4 W, Receptacle
- ⦿ 30 A, 120 V, 1 ϕ Receptacle
- ⦿ Crouse-Hinds type AAP-63, 208 V, 100 A, 3 ϕ , 6 P, 6 W Receptacle.
- ⦿ Mercury Hi-bay fixture

See Corps of Engineers dwg. 40-06-04, in specifications for items not shown and for Fixture types.

NOTES

1. Main Hanger lights, flood lights and obstruction lights provided with disconnecting fixture hangers. Thompson hanger - see specifications. For details and layout - see sheets 20 #21.
2. All receptacles, switches and lighting fixtures approved for Class I, Division 1 hazardous areas, located within 18 inches of floor. All conduit wiring and devices within 18 inches of floor suitably sealed.
3. For installation of static ground & Hold Down Receptacle - see detail below.
4. Ground metal columns at each of the 4 corners of the hanger to 3 - $\frac{3}{4}$ " x 10' ground rods spaced at least 6' apart and connected by $\frac{1}{2}$ " copper wire.

THIS DRAWING SHOWS AS - BUILT CONSTRUCTION

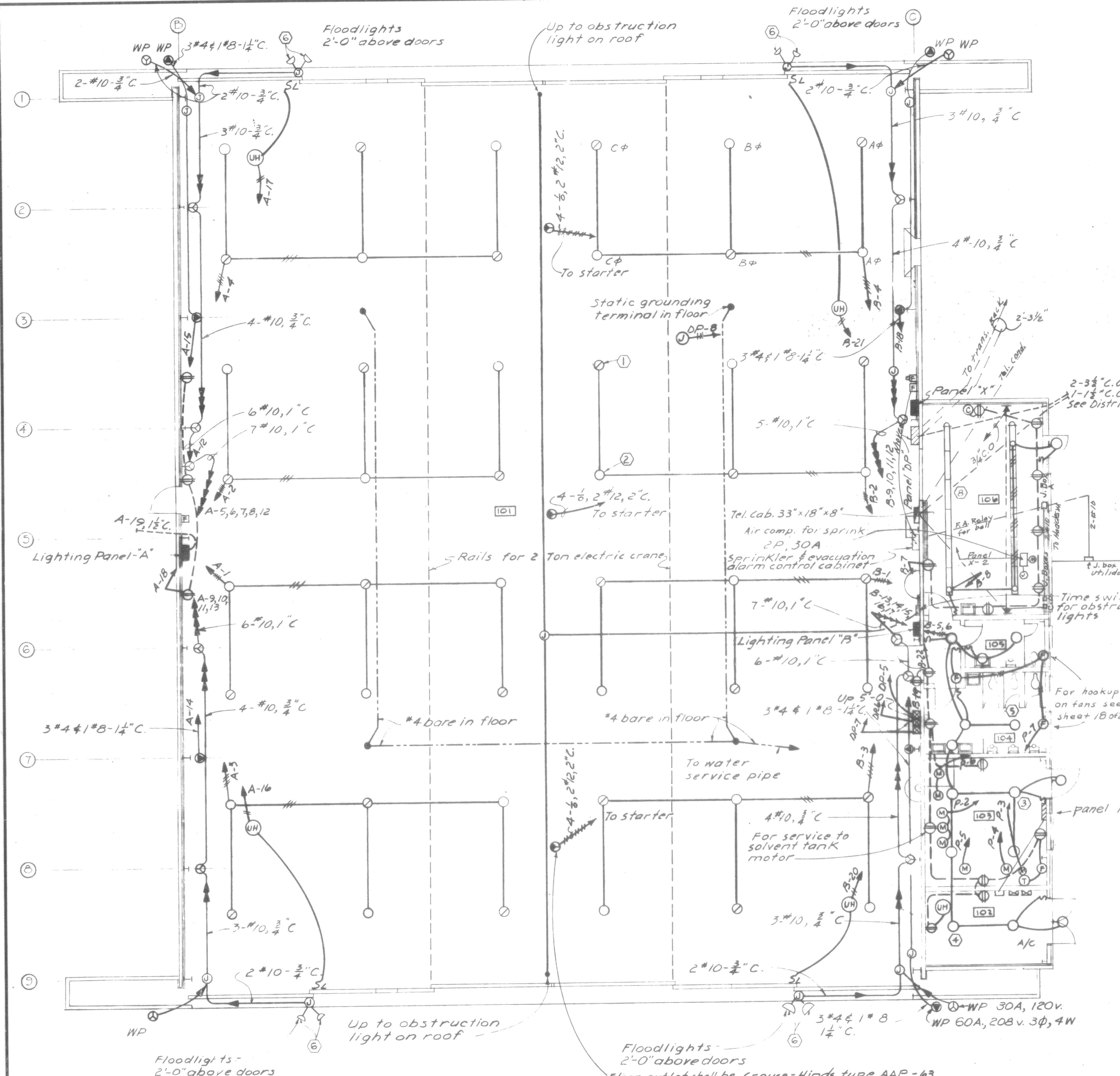
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CORPS

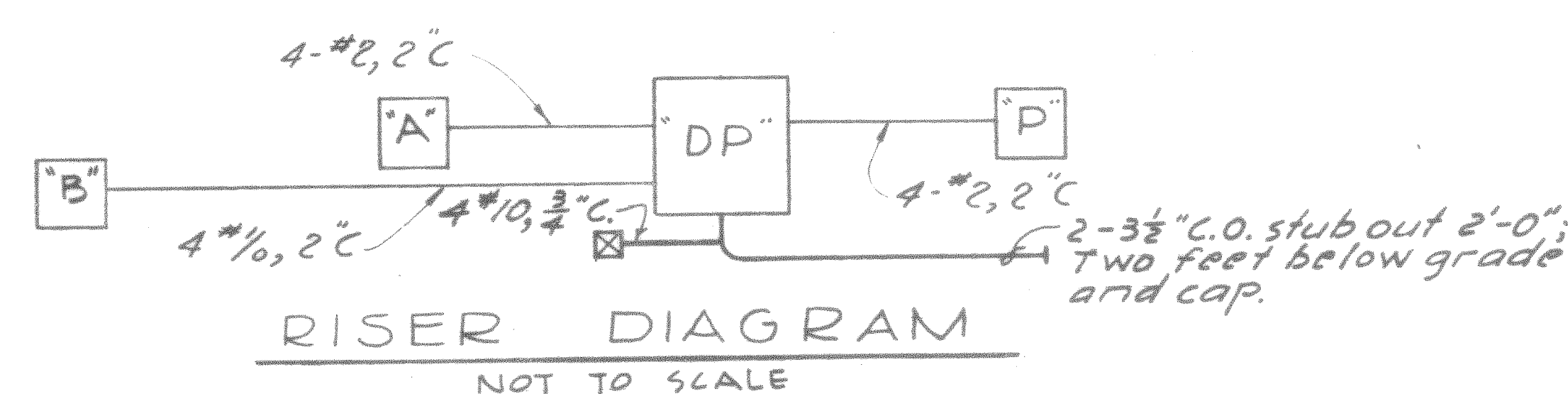
HANGER & AVI. FAC.

39-01-30 41430-12
PLAN DET'S & SCHED.

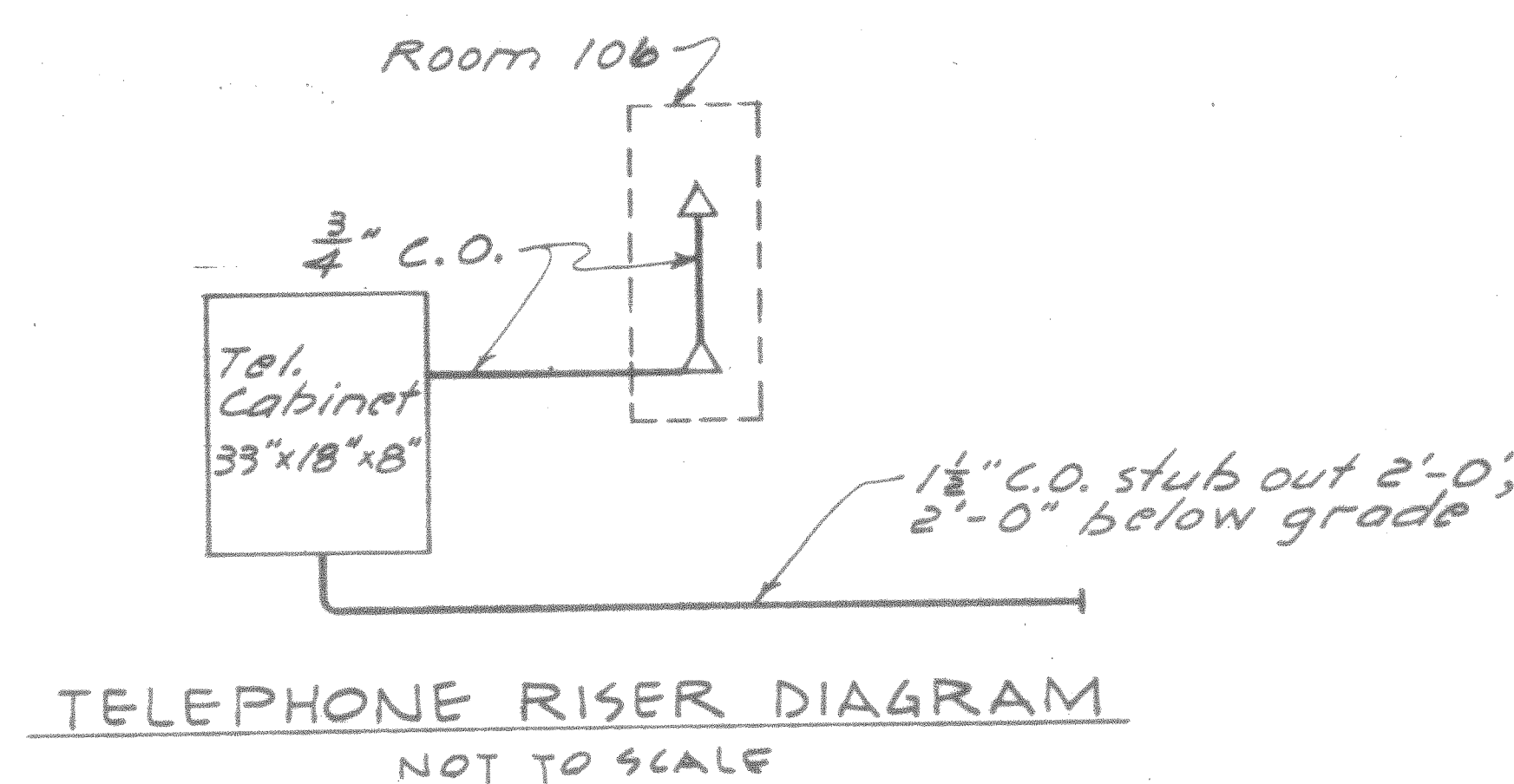
ATTACHMENT 3 - BLDG. #47430, HANGAR 1 - ONE LINE



PLAN
SCALE $\frac{1}{8}" = 1'-0"$

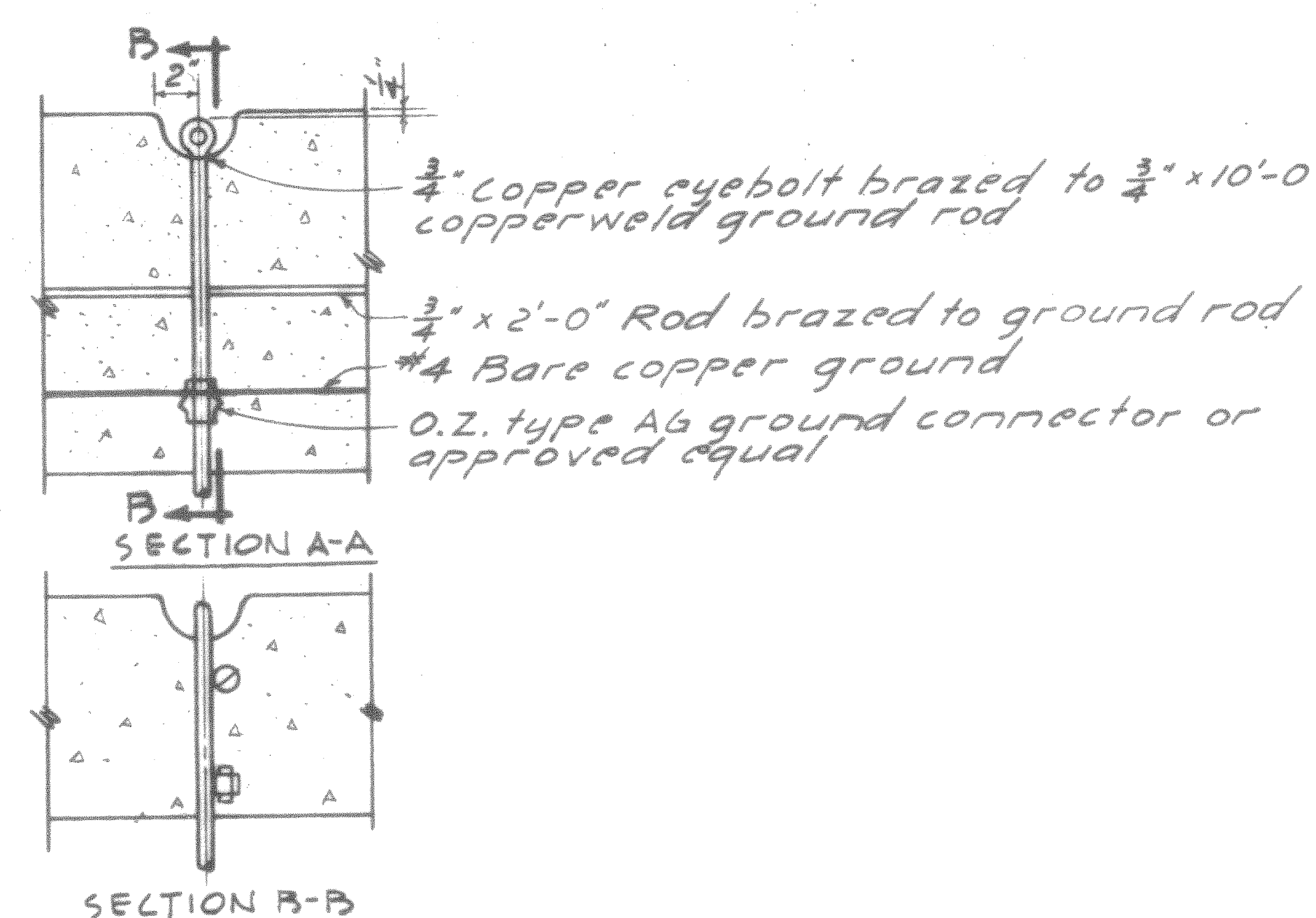
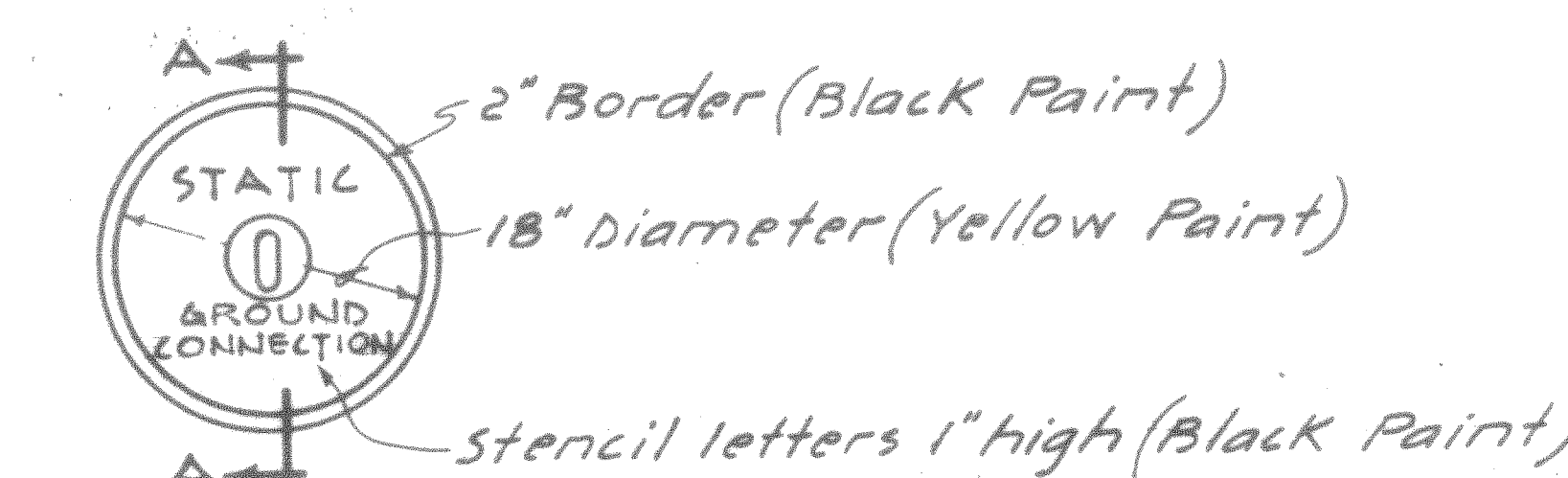
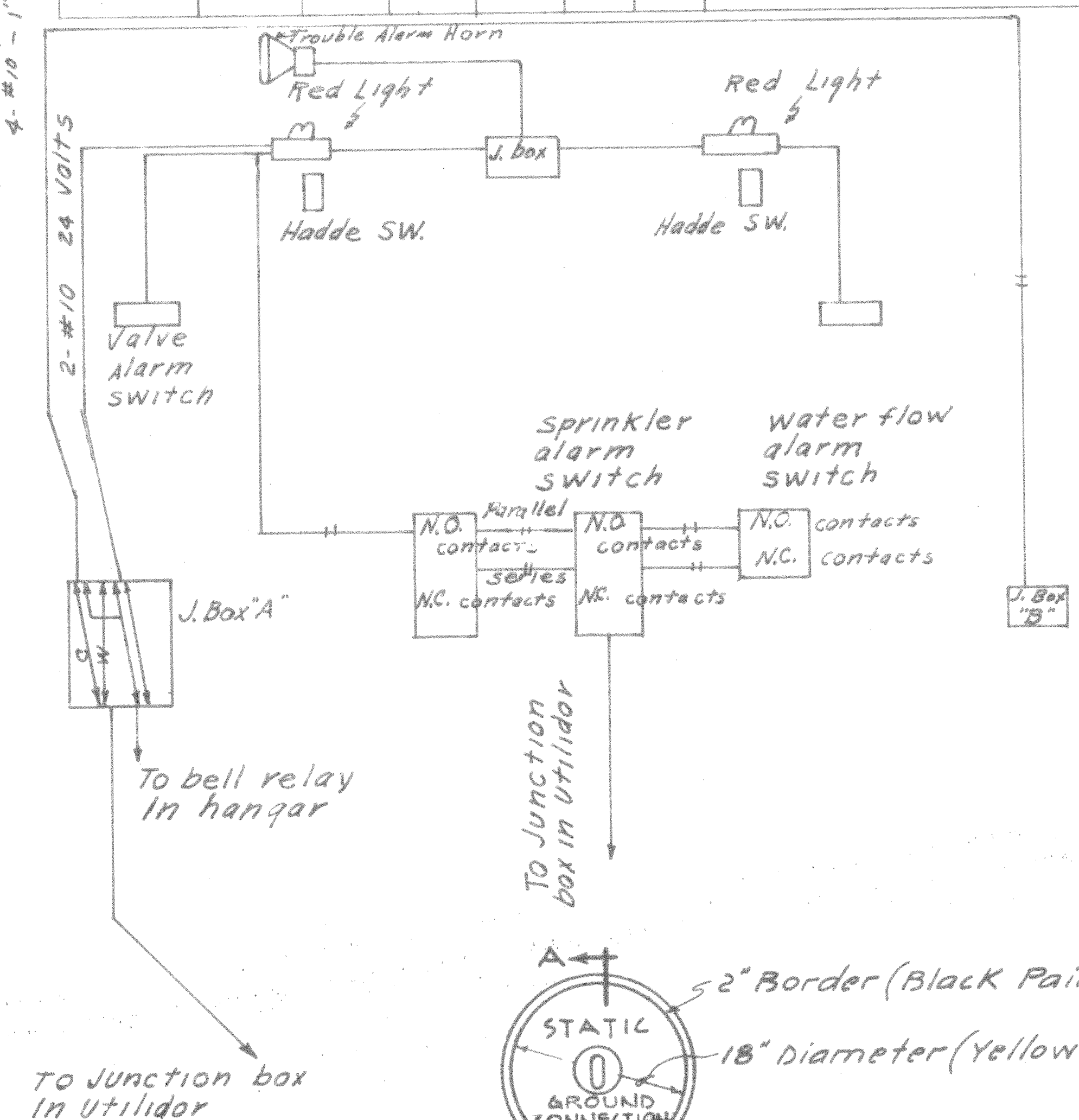


RISER DIAGRAM
NOT TO SCALE

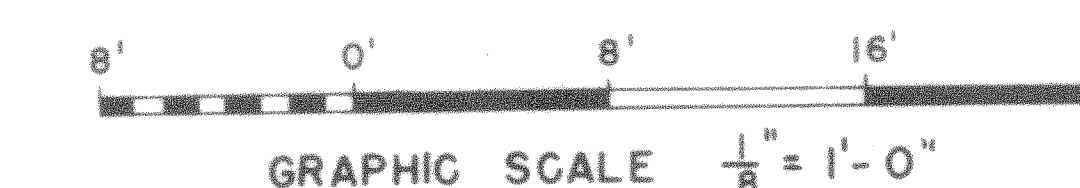


TELEPHONE RISER DIAGRAM
NOT TO SCALE

PANEL SCHEDULES						
TYPE: A/R CIRCUIT BREAKER, 120/208V 3 Φ , 4W						
PANEL NO.	CIRCUIT NO.	BREAKER		WIRE		REMARKS
		POLES	FRAME	TRIP	NO. SIZE	
Panel A 100 Amp Lugs On y	1-4	3	50	20	2 12	Hangar Lighting #10 to 1 ³ Fix
	5-13	1	50	30	2 10	Hangar Recept. 30 A Φ F.L.
	14-15	3	100	70	3 4	Hangar Recept. 60 A
	16-17	3	50	20	3 12	Unit Heaters
	18	1	50	20	2 12	Receptacles
	19	3	50	50	4 6	Runway Lts., F.L., Φ Windsock
	20-22	3	50	50	- -	Spares
Panel B 200 Amp Lugs Only	1-4	3	50	20	2 12	Hangar Lighting #10 to 1 ³ Fix
	5-8	1	50	20	2 12	Lts., Recept., Office etc.
	9-17	1	50	30	2 10	Hangar Recept. 30 A Φ F.L.
	18-19	3	100	70	3 4	Hangar Recept. 60 A
	20-21	3	50	20	3 12	Unit Heaters
	22	1	50	20	2 12	Recept.
	23-24	3	50	20	- -	Spares
Panel P 100 Amp Lugs only	1	3	100	100	3 4	Duplex Air Compressor 25 HP
	2-3	3	50	20	3 12	Circulating Pumps
	4-5	3	50	20	3 12	Booster Pumps 2 HP
	6	3	50	20	3 12	Duplex cond. Pump Φ HP
	7	1	50	20	2 12	Exhaust Fan Motors
	8-9	3	50	20	- -	Spares
	10	3	100	100	4 2	Panel A
Panel DP Main: 200 A Breaker	1	3	225	150	4 1/0	Panel B
	3	3	100	100	4 2	Panel P
	4	3	100	100	- -	Spare
	5	3	225	150	4 1/0	AAP-63 Nema size 4-start
	6	3	225	150	4 1/0	AAP-63 Nema size 4-start
	7	3	225	150	4 1/0	AAP-63 Nema size 4-start
	8	3	100	70	3 4	Service to crane trolley
Panel X 50 Amp Lugs only	9-10	3	100	100	- -	Spares
	1	1	50	15	2 12	Sprinkler Φ evac. alarm cabinet
	2	2	50	30	2 12	Sprinkler air compressor
	3	1	50	20	- -	Obstruction Lights



STATIC GROUND AND
HOLD DOWN DETAIL
NOT TO SCALE



FIXTURE SCHEDULE						
FIXTURE NO.	ROOM DESCRIPTION	FIXTURE TYPE	LAMP WATTS	CEILING HEIGHT	MOUNTING HEIGHT	REMARK
(1)	Hangar Area	HB-6	400W EH	Partin Mt'd	Bot of Truss	Disc. Hangar - see sheets 17/18
(2)	Hangar Area	CS-2	1000W	Do	Do	Disc. Hangar - see sheets 17/18
(3)	Mechanical Room	I-3	200W	-	Ceiling	
(4)	Compressor Room	I-3	200W	-	Ceiling	
(5)	Toilet Area	I-3	200W	-	Ceiling	
(7)		R-2	60W	-	Over Jined	
(8)	Office	F-131	2/40	-	Ceiling	
(9)	Obstruction Lights	See Remarks	2-100	-	on top of ridge	Crowe - Hinds Type K.A.W. Double or Approved Equal
(6)	Floodlight	-	500	-	See Plan	Crowe - Hinds Type ADE - 14 W/40 Room or Approved Equal - Disc. Hangar
(10)	Bracket Lights	VG-3	100		Over Doors	

LEGEND

SL Limit switch to shut down unit heater fan when doors open.

- ⦿ 60 A, 208 V, 3 ϕ , 4 W, Receptacle
- ⦿ 30 A, 120 V, 1 ϕ Receptacle
- ⦿ Crouse-Hinds type AAP-63, 208 V, 100 A, 3 ϕ , 6 P, 6 W Receptacle
- ⦿ Mercury Hi-bay fixture

see Corps of Engineers dwg. 40-06-04, in specifications for items not shown and for Fixture types.

NOTES

1. Main, Hanger lights, flood lights and obstruction lights provided with disconnecting fixture hangers. Thompson hanger see specifications. For details and layout - see sheets 20921.
2. All receptacles, switches and lighting fixtures approved for class 1, Division 2, Hazardous locations located within 18 inches of floor. All conduits, wiring and devices within 18 inches of floor suitably sealed.
3. For installation of static ground & Hold Down Receptacle - see detail below.
4. Ground metal columns at each of the 4 corners of the hanger to 3 - $\frac{3}{4}$ " x 10' ground rods spaced at least 6' apart and connected by #4 copper wire.

THIS DRAWING SHOWS AS - BUILT CONSTRUCTION

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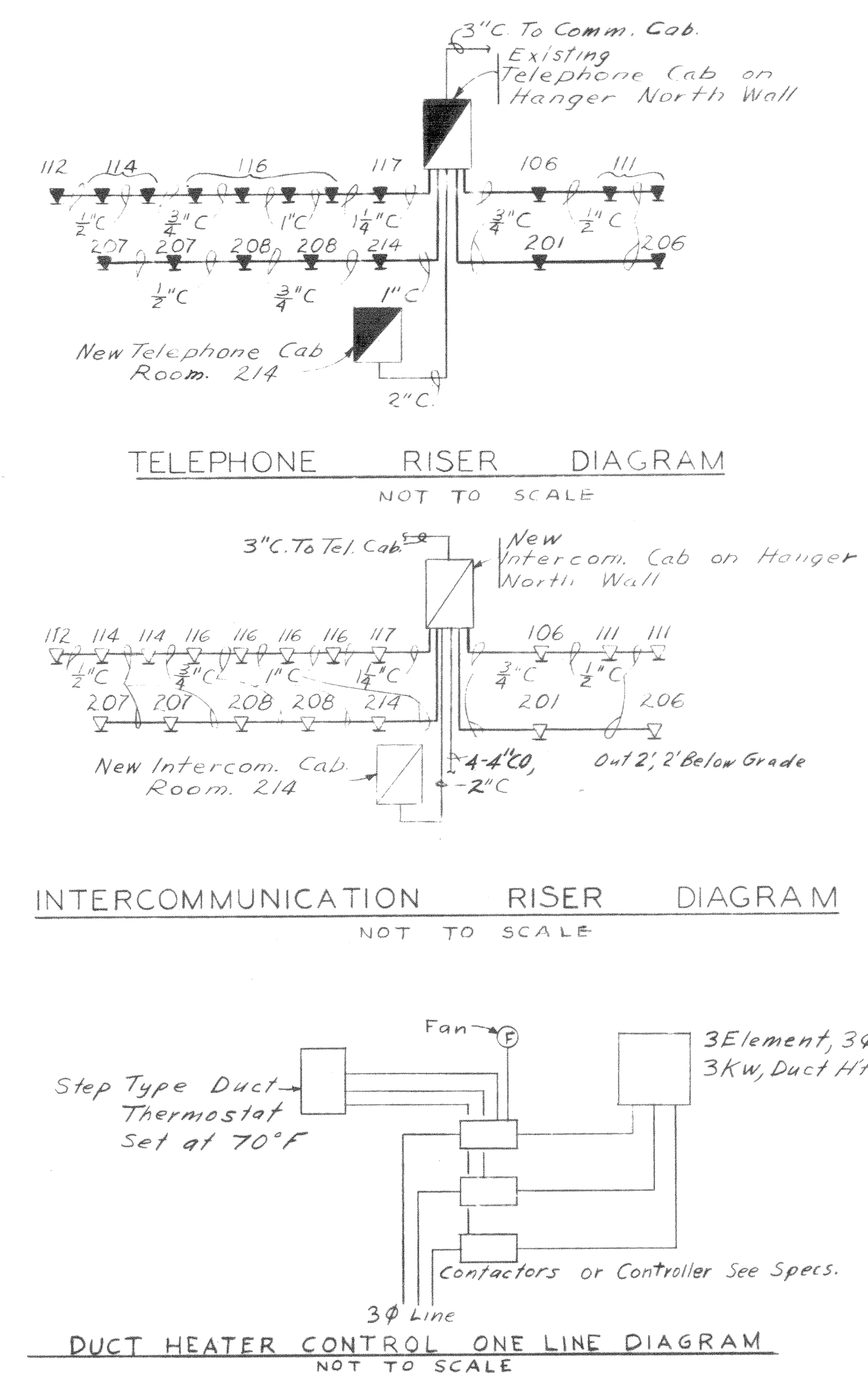
CORPS



























HANGER & AVI. FAC.

39-01-30 41430-12
PLAN DET'S & SCHED.

COPY 2

SHOP ADD. TO HANGER



- | LEGEND | |
|---|--|
|  | FIRE ALARM BELL |
|  | FIRE ALARM STATION |
|  | EXIT LIGHT OUTLET |
|  | BRANCH CIRCUIT CONCEALED IN CEILING OR WALL |
|  | BRANCH CIRCUIT CONCEALED IN FLOOR |
|  | HOME RUN TO PANEL BOARD. NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS, NUMBER OF LINES INDICATES NUMBER OF WIRES. |
|  | SINGLE POLE SWITCH, 4'-6" UP |
|  | THREE WAY SWITCH, 4'-6" UP |
|  | SWITCH W/PILOT LIGHT, 4'-6" UP |
|  | THERMOSTAT, 5'-0" UP |
|  | INTERCOMMUNICATION CABINET |
|  | FLUORESCENT FIXTURE OUTLET |
|  | LIGHTING PANEL |
|  | EXISTING PANEL |
|  | GROUNDING DUPLEX CONVENIENCE OUTLET, 1'-8" UP |
|  | TELEPHONE CABINET |
|  | CLOCK OUTLET, 2'-6" UP |
|  | JUNCTION BOX |
|  | MOTOR |
|  | FAN |
|  | EXISTING FAN |
|  | UNIT HEATER |
|  | TELEPHONE OUTLET, 1'-8" UP |
|  | INTERCOMMUNICATION OUTLET, 1'-8" UP |
|  | METALLIC PLUG MOLD, #2000 W/GROUNDED SINGLE RECPFACLE AT 3'-0" INTERVALS |
|  | EXIT LIGHT OUTLET, NO. INDICATES TYPE - SEE FIXTURE SCHED. |

N O T E S

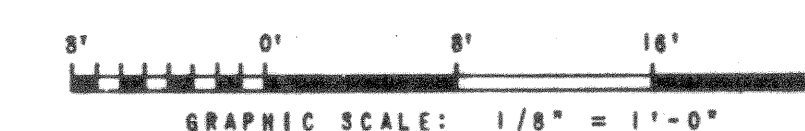
1. FOP FIXTURE TYPE SEE COPPS OF ENGINEERS, DRAWING NO. 40-00-04 IN SPECIFICATIONS.
2. LIGHT OUTLETS ARE LOCATED SO AS NOT TO INTERFERE WITH SPRINKLER SYSTEM OUTLETS.
3. FIRE ALARM STATIONS AND BELLS ARE CONNECTED TO EXISTING HANGAR FIRE ALARM SYSTEM CIRCUIT NO. 1 IN PANEL "X."
ALSO, CONNECT TEXT LIGHTS TO PANEL "X", CIRCUIT NO. 1.
4. ADJACENT & COMMUNICATING AREAS NOT SUITABLY CUT OFF FROM THE HANGAR ARE CLASS DIV. I HAZARDOUS AREA UP TO A LEVEL 18" ABOVE THE FLOOR AND HAVE CONDUIT SEALS ON ALL CONDUIT RUNS UNDER THE FLOOR OF THESE AREAS.

THIS DRAWING SHOWS AS-BUILT CONSTRUCTION

F I X T U R E S C H E D U L E					
ROOM NO.	ROOM DESCRIPTION	FIXTURE TYPE	LAMP WATTS	MOUNTING HEIGHT	REMARKS
108	Battery Room	I-3	200	Ceiling	
109	Toot Room	I-3	200	Ceiling	
111, 117, 206	Tire Shop & Technical Supply	I-4	300	Ceiling	
112, 207	Office	F-131	2/40	10'-0"	
113, 117, 204, 211	Corridors & Vestibules	I-1	100	Ceiling	
114	Engine Build-up & Transmission	I-4	300	Ceiling	
116	Rotor, Rotor Head & Fly	I-4	300	Ceiling	
201, 209	Tech Supply & Supply	I-3	200	Ceiling	
202, 203	Electric Shop & Instr. Repair	I-4	300	Ceiling	
110, 205, 210	Stairs	I-1	100	Ceiling	
208	Communication Room	F-131	2/40	10'-0"	
212, 213	Off. Toilet & Toilet	EG-2	200	Ceiling	
212, 213	Off. Toilet & Toilet	A-2	60	Above Sink	
214	Class Room & Briefing Room	F-131	2/40	10'-0"	
	Outside Door Lights	VG-3	100	1' Above Dr.	
	Exit Light	X-75	2/25	CLg	No. 1
	Exit Light	X-7D	2/25	C 1/4	No. 2

PANEL "C" SCHEDULE						
TYPE: Breaker, 120/208V, 3 ϕ , 4W.						
MAINS: 100A, Lugs only						
CIRCUIT NO.	BREAKER		WIRE		REMARKS	
	POLES	FRAME TRIP	NO.	SIZE		
1 - 12	1	50 20	2	12	Lighting	
13-20, 29-30	1	50 20	2	12	Receptacles	
21-22	1	50 20	2	12	Unit Heaters	
23-527	1	50 20	2	12	Exhaust Fans	
26	3	50 30	3	12	Monorail Hoist	
28	3	50 15	3	12	Heater, (3KW Duct, See Specs.)	
31-34	1	50 20	-	-	Spare	

PANEL "D" SCHEDULE						
TYPE: Breaker, 120/208V, 3 ϕ , 4W. MAINS: 100 A, 4ugs Only						
CIRCUIT NO.	BREAKER			WIRE		REMARKS
	POLES	FRAME	TRIP	NO.	SIZE	
1 - 6	1	50	20	2	12	Lighting
7 - 10	1	50	20	2	12	Receptacles
11	1	50	20	2	12	Exhaust Fan
12	1	50	20	2	12	Heliport Beacon & Flasher
13, 14	1	50	20	-	-	Spares
15	3	50	20	4	12	Dumbwaiter Motor

[illegible]