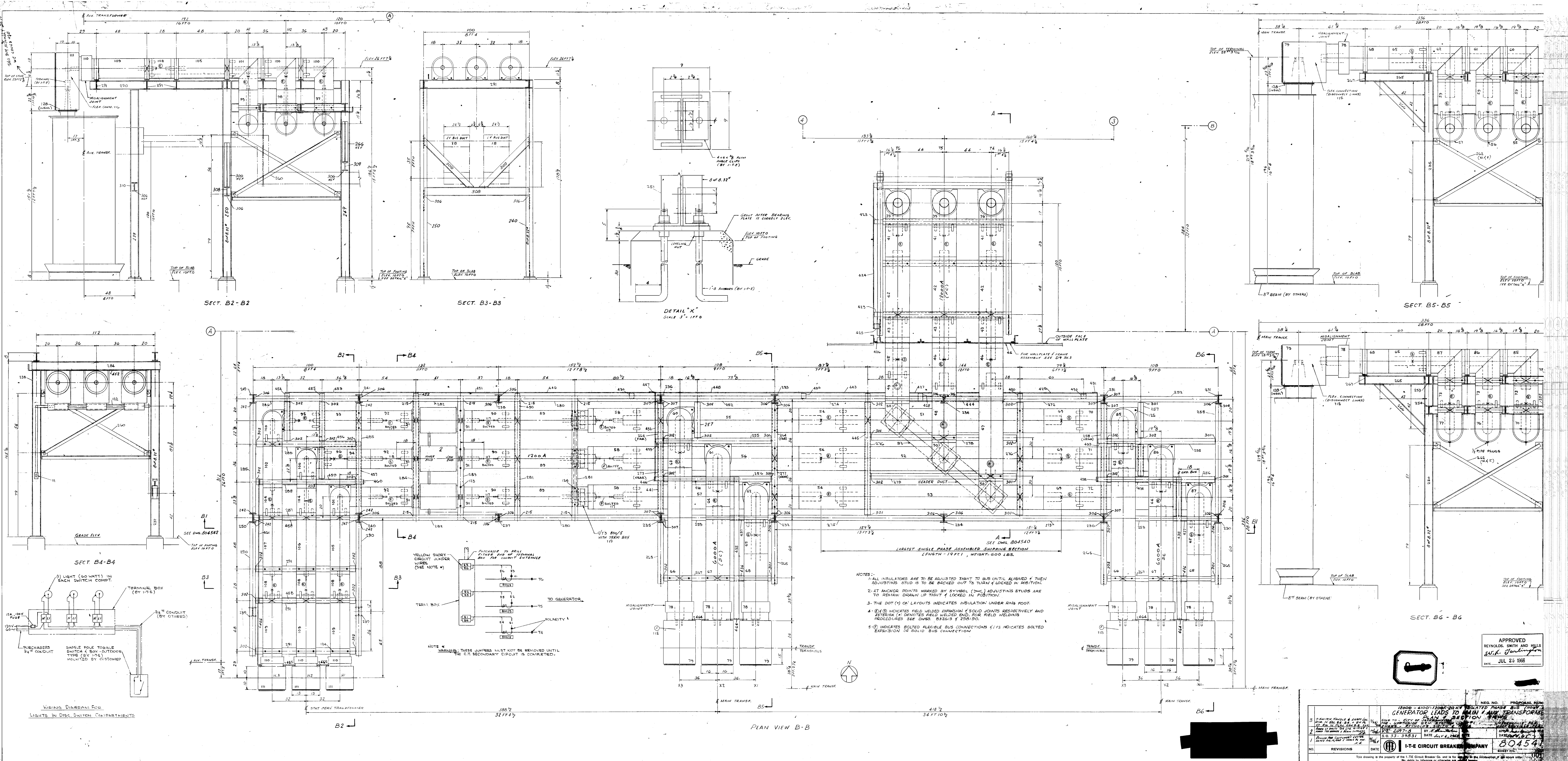


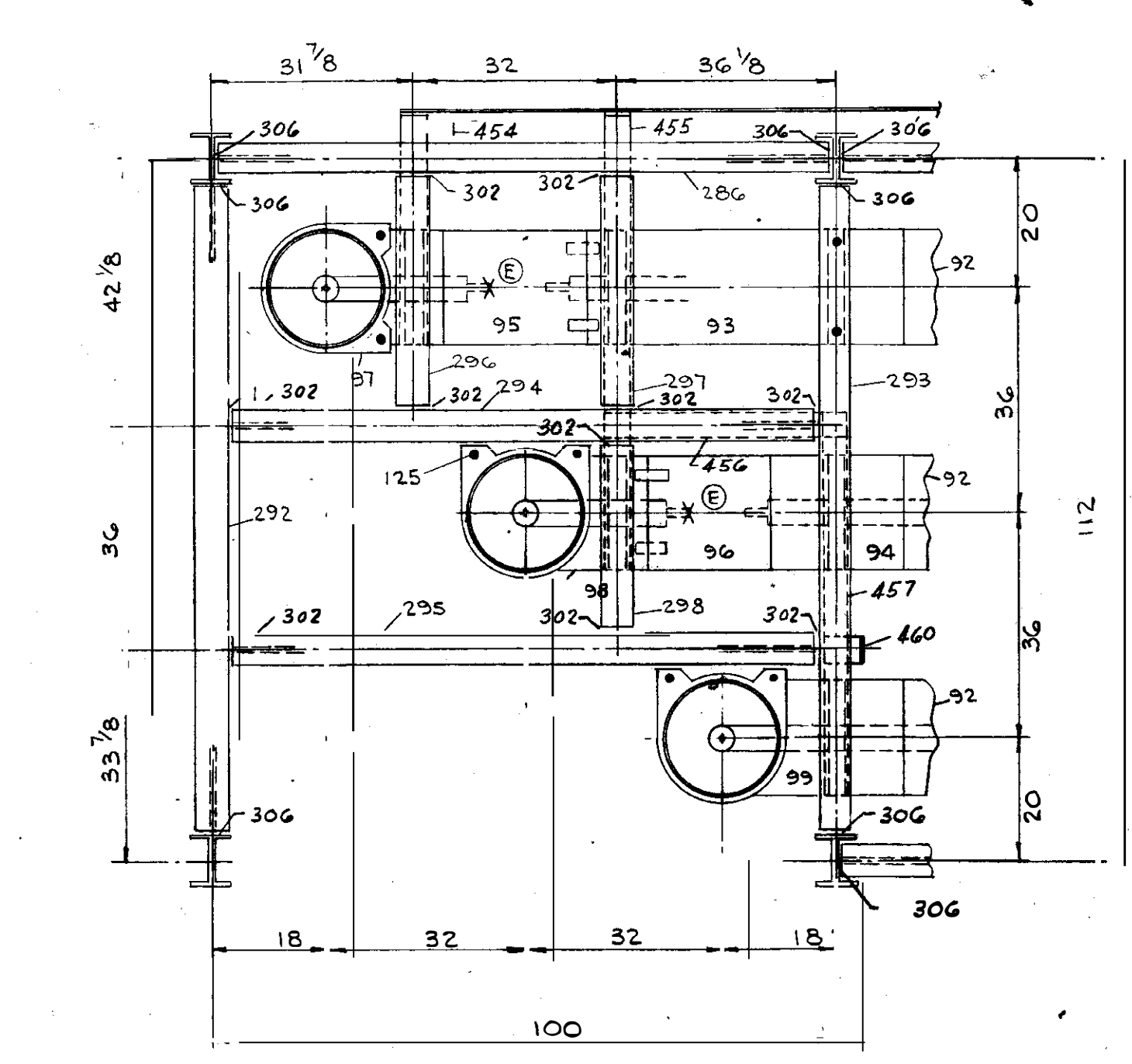
REVISIONS		DATE	
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29	30	31	32
33	34	35	36
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197	198	199	200



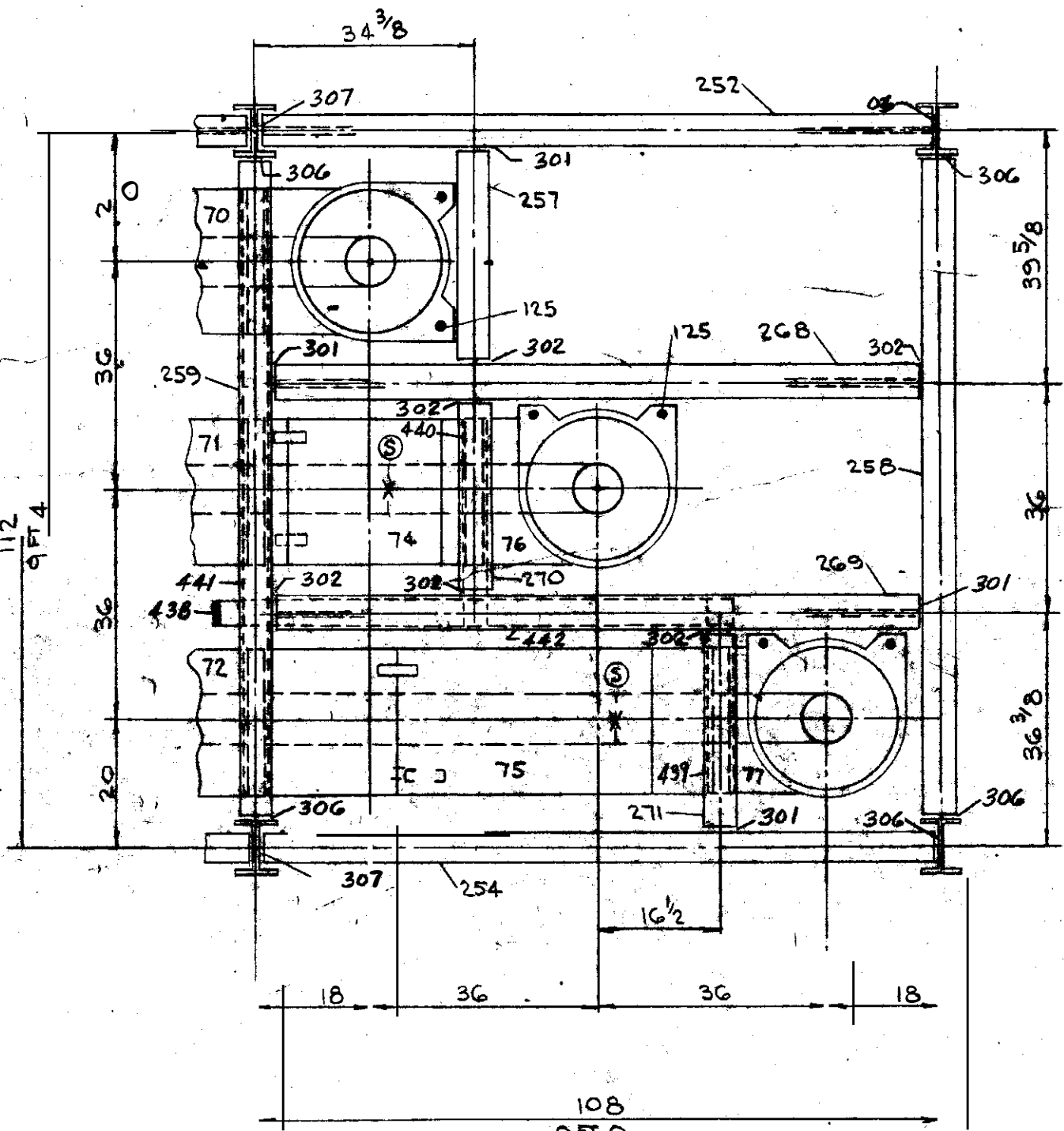
- NOTES:
- 1. ALL INSULATORS ARE TO BE ADJUSTED TIGHT TO BUS UNTIL ALIGNED & THEN ADJUSTING STUD IS TO BE BACKED OUT 1/8 TURN & LOCKED IN POSITION.
 - 2. AT ANCHOR POINTS MARKED BY SYMBOL (X) ADJUSTING STUDS ARE TO BE DRAWN UP TIGHT & LOCKED IN POSITION.
 - 3. THE DOT (•) ON LAYOUTS INDICATES INSULATION UNDER RING FOOT.
 - 4. (X) INDICATES FIELD WELDED EXPANSION & SOLID JOINTS RESPECTIVELY AND (X) INDICATES FIELD WELDED RING FOOT FOR FIELD WELDING. PROCEDURES SEE DWGS. B3615 & B3616.
 - 5. (X) INDICATES BOLTED FLEXIBLE BUS CONNECTIONS & (X) INDICATES BOLTED EXPANSION OR SOLID BUS CONNECTION.

APPROVED
REYNOLDS, SMITH AND HILLS
W.H. GARDNER
DATE JUL 26 1966

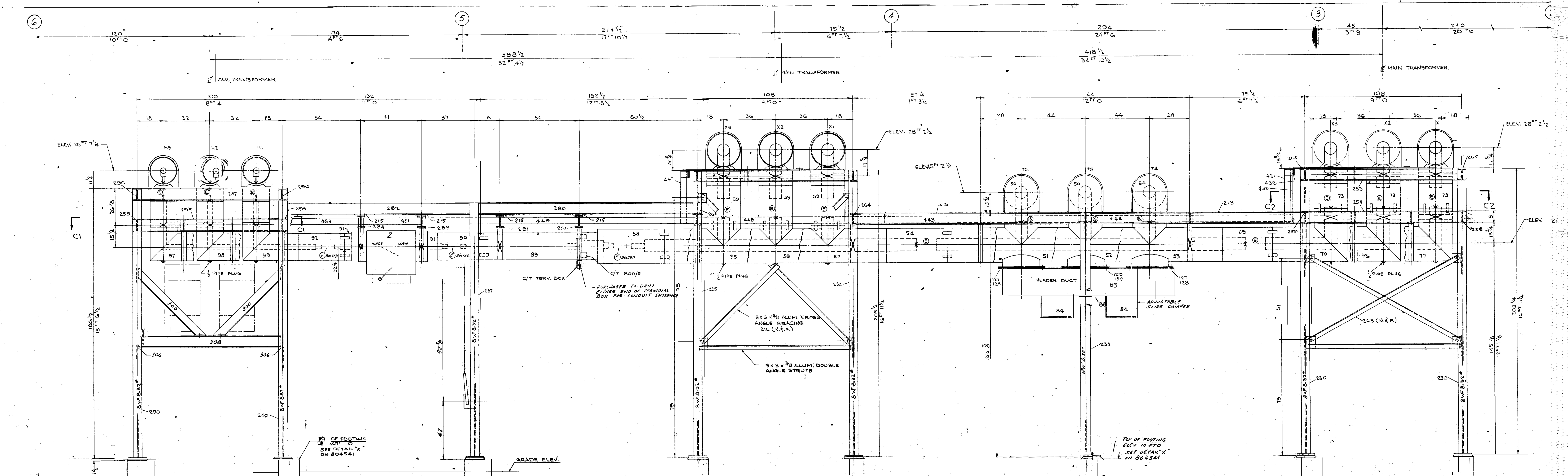
13000 - 21000 - 12000 - 30 KV ISOLATED PHASE BUS (100% RATED)		NEG. NO. PROPOSAL NO.	
GENERATOR LEADS TO MAIN TRANSFORMER		SECTION 1	
NO. 1		NO. 2	
NO. 3		NO. 4	
NO. 5		NO. 6	
NO. 7		NO. 8	
NO. 9		NO. 10	
NO. 11		NO. 12	
NO. 13		NO. 14	
NO. 15		NO. 16	
NO. 17		NO. 18	
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NO. 99		NO. 100	



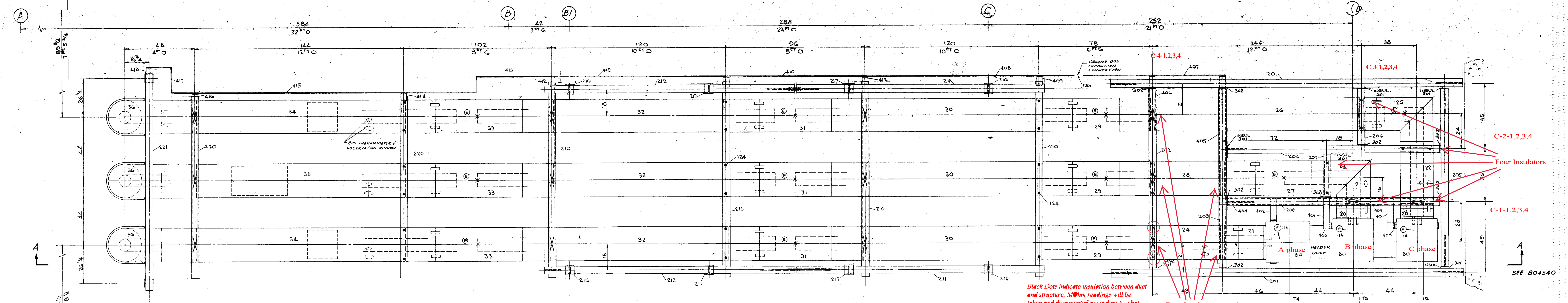
SECTION C1-C1



SECTION C2-C2



SECTIONAL ELEVATION B1-B1
(SEE DWG. B04541)



PLAN VIEW AG-AG
(SEE DWG. B04540)

Looking in direction of current flow, gen to sfers, insulators will be numbered 1,2,3,4 clockwise, starting with the insulator in the top right quadrant - insulator number one, and ending with the insulator in the top left quadrant - insulator number four.

Black Dots indicate insulation between duct and structure. M.O.M readings will be taken and documented according to what insulators they are above, and they will be numbered 1 on the right, two on the left, looking from gen to sfers. The circled insulation above will be identified as A-1-1 and A-1-2.

Four Insulators

Structural connections that do not have insulating pads bonded to the external ground bus between the duct and the structure and can be found on this drawing mostly by the lack of black dots at locations with insulators. DLR readings will be taken and documented with the external ground bus that runs the length of C phase, removal. Each DLR reading will be labeled according to the phase and location of the bonded connection. The first location on A phase above will be identified as AD-1 and AD-2.

C-2-1,2,3,4

Four Insulators

C-1-1,2,3,4

A phase

B phase

C phase

Header Duct

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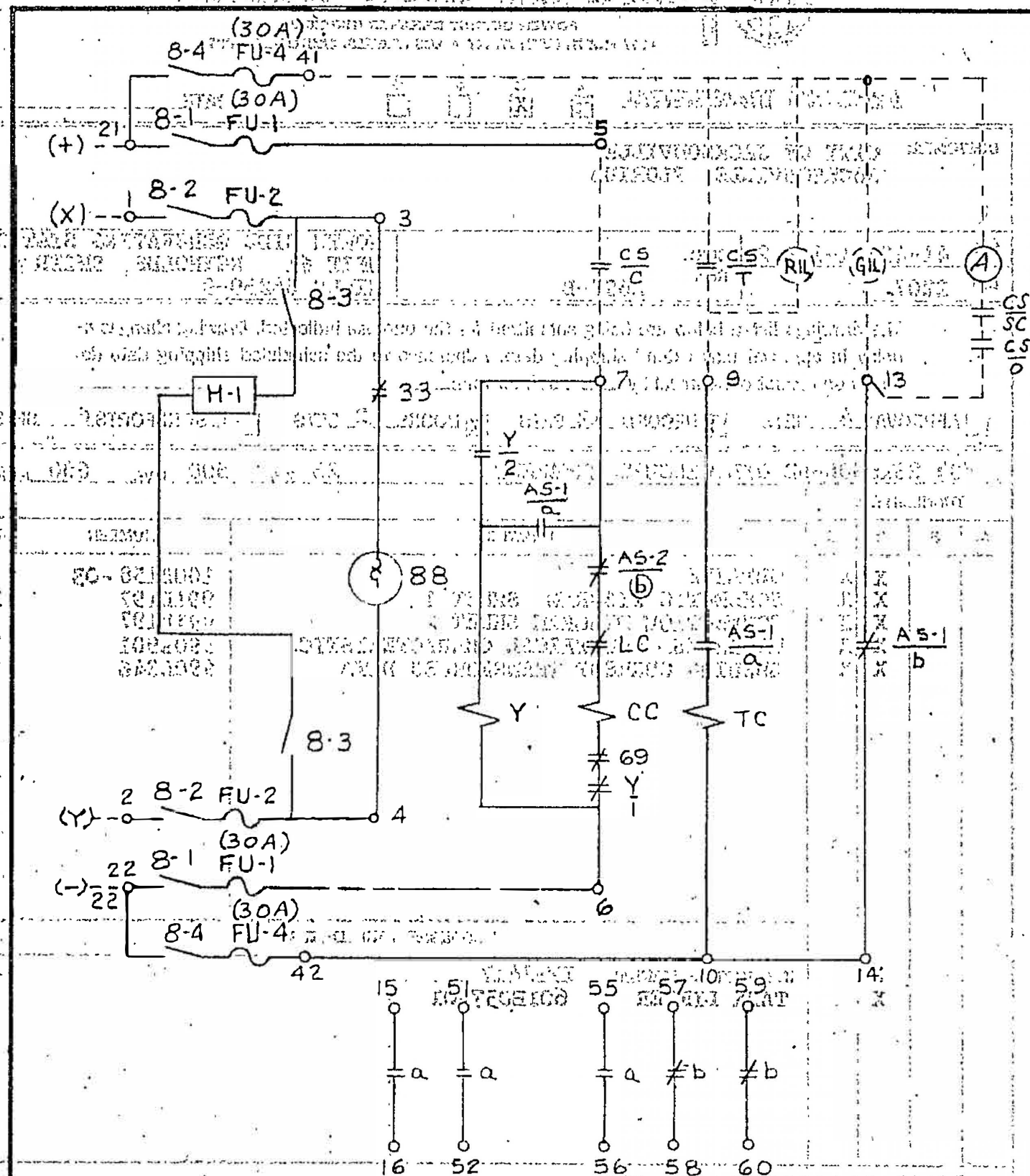
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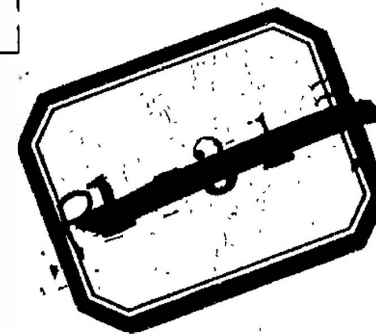
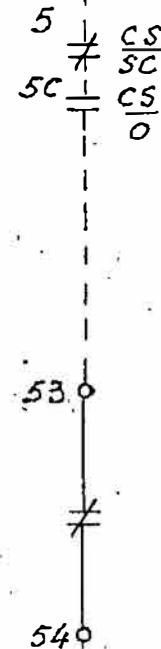
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ALARM



ITEM	DESCRIPTION (WHE)
B-1	CONTROL POWER SWITCH
B-2	MOTOR POWER SWITCH
B-3	HEATER POWER SWITCH
23	THERMOSTAT
29	ISOLATING SWITCH
33	POSITION SWITCH
43	TRANSFER SWITCH
49	MOTOR OVERLOAD REL.
51	PHASE OVERCURRENT R
51N	GROUND OVERCURRENT
63-1	COMPRESSOR PRESSURE
63-2	LOCKOUT PRESSURE RELAY
63-3	ALARM PRESSURE REL
69	PERMISSIVE CONTROL
79	RECLOSING RELAY
88	AUXILIARY MOTOR
a OR b	AUXILIARY SWITCH
ⓐ OR ⓑ	ADJUSTABLE AUXILIARY
ah	AUXILIARY SWITCH "a"
bh	AUXILIARY SWITCH "b"
f	AUX. SW: MAKES MOMEN
g	AUX. SW: MAKES MOMEN
AM	AMMETER
AMD	DEMAND AMMETER
AMS	AMMETER SWITCH
AS	AUXILIARY-SWITCH ASS
CC	CLOSING COIL
CS	CONTROL SWITCH
CT	CAPACITOR TRIP DEVI
FU	FUSE
GIL	GREEN INDICATING LH
H	HEATER
LC	LATCH-CHECKING SWIT
LS	LIMIT SWITCH
LT	ILLUMINATING LIGHT
REC	RECEPTACLE
RIL	RED INDICATING LIGHT
RTM	RUNNING TIME METER
TB	TERMINAL BLOCK
TC	TRIP COIL
V	VOLTMETER
VS	VOLTMETER SWITCH
X	CLOSING RELAY
Y	ANTIPUMP RELAY
B-4	TRIP POWER SUPPLY

DIMENSIONAL TOLERANCES
UNLESS OTHERWISE SPECIFIED

DRAWN RB/RC DATE 2-24-65

TITLE

FRAC DEC ANG

CHECKED Raw DATE 2-25-65

SCHEMATIC

±1/64 ±.005 ±30'

APPROVED ETE DATE 2-25-65

9915



I-T-E CIRCUIT BREAKER COMPANY
POWER CIRCUIT BREAKER DIVISION
1807 NORTH MAIN STREET, LOS ANGELES 12, CALIFORNIA

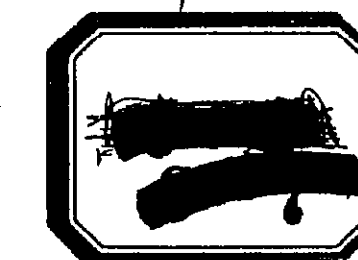
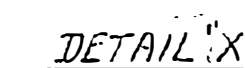
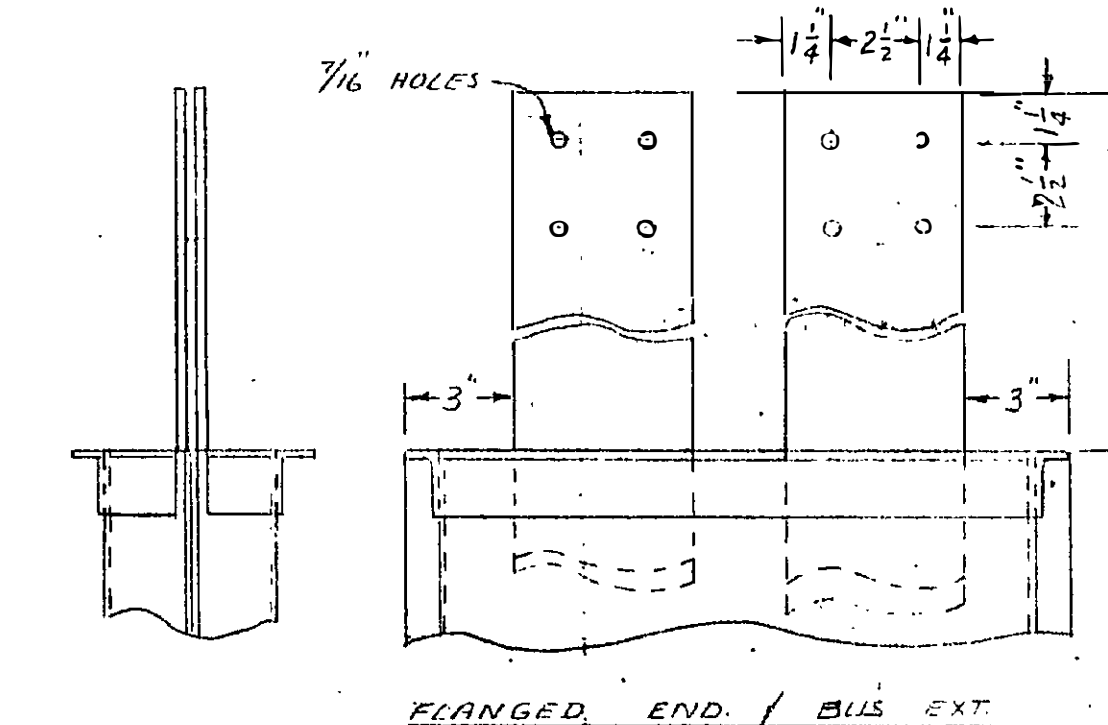
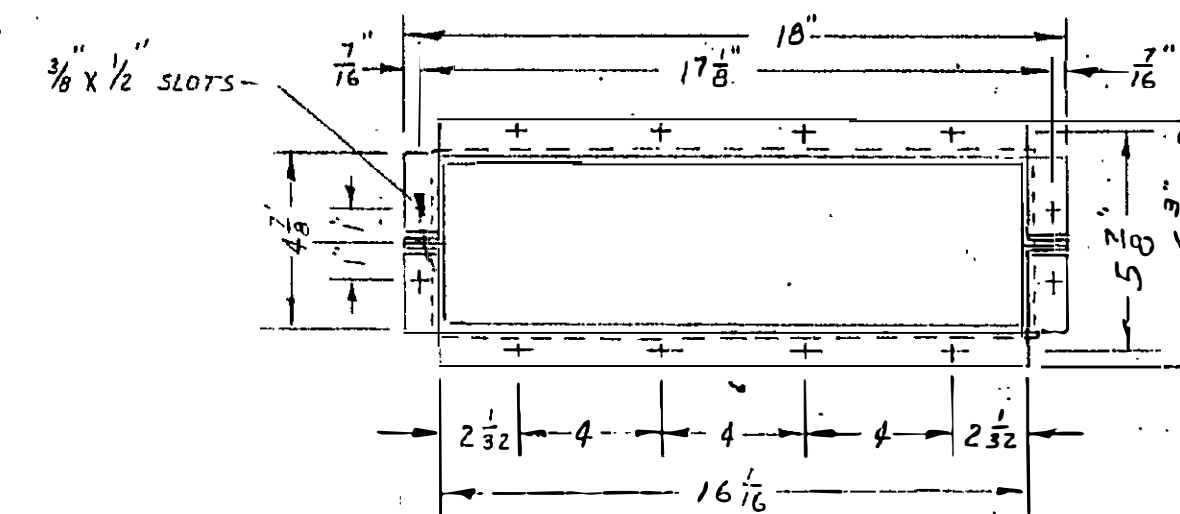
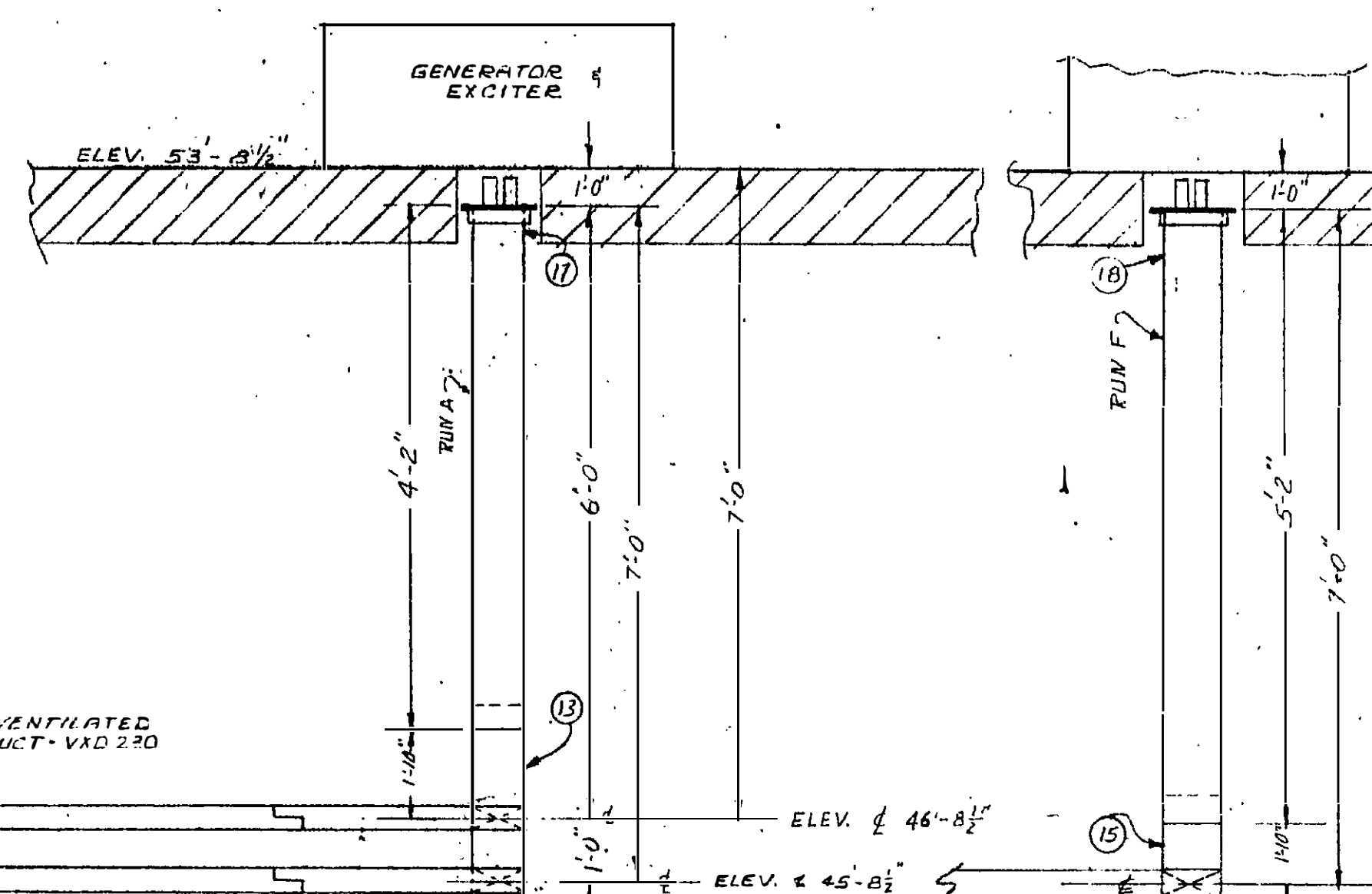
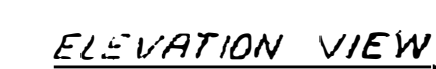
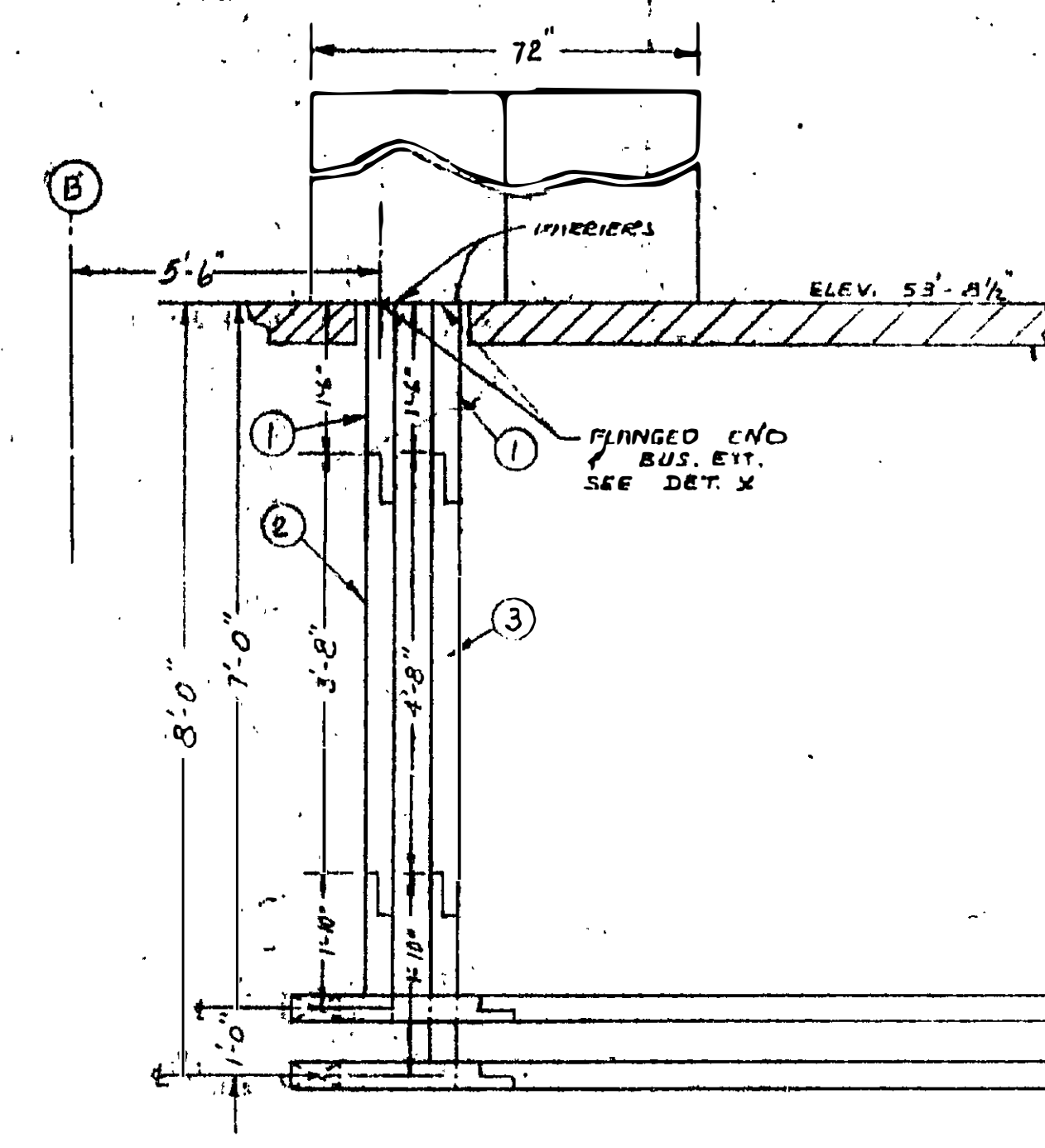
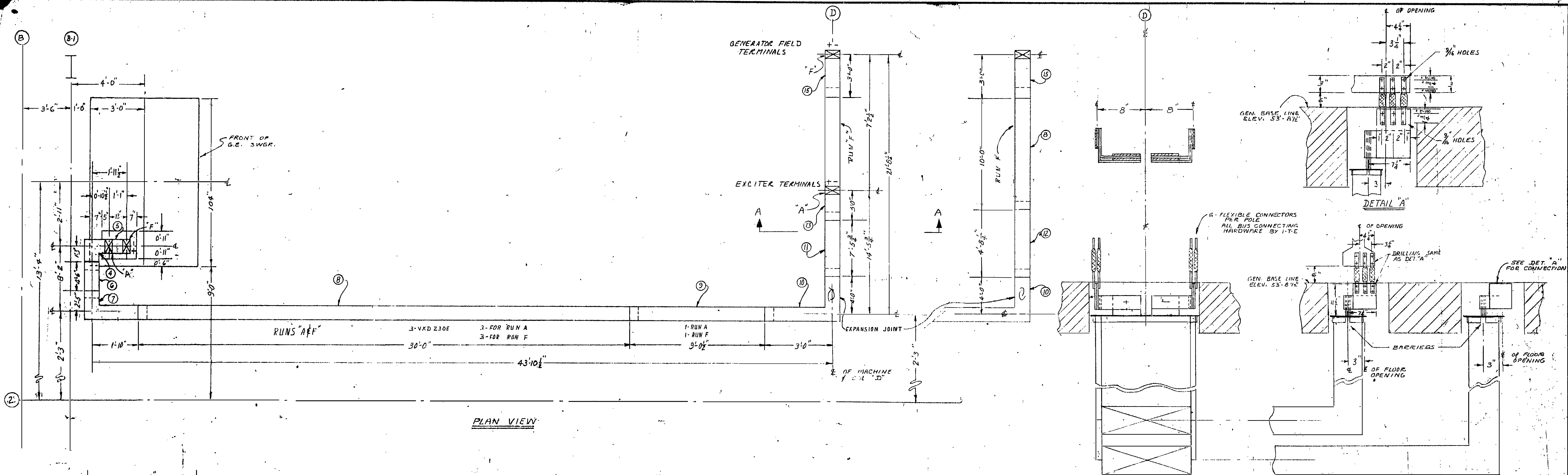
SHT 1 OF 2

9915

14-20-65 ADDED CUSTOMER'S ALARM CIRCUIT

NO DATE REVISION

PN
BY



APPROVED
REYNOLDS, SMITH AND HILLS
BY W. L. Harling
DATE DEC 1 1965

SPECIAL EXCITATION 600 VOLTS BUSBARS	
ALL BUS BARS ARE SILVER FINISHED AND DOUBLE WELDED WITH VARISHED CAMBIC TAPE. THE STEEL CASING IS FINISHED WITH BULLDOG STANDARD A.S.A. #49 GRAY BAKED ENAMEL.	
CATALOG	WXd 230 'E
SERVICE	2-PHASE D.C.
CAPACITY	3000 'A
PHASE BARS	2-1/4 X 5-1/2
NEUTRAL BARS	—
SIDE CHANNELS	* 14 GAUGE
EXPANDED METAL	* 16 GAUGE
SOLID CASING	
A DIMENSION	78

BUS BARS ARE ALSO WRAPPED WITH
2 LAYERS OF VINYL TAPE.
VENTILATED ENCLOSURE IS PRIMED WITH
A RUST RESISTANT FINISH.

			BUS DUCT FOR	
			NORTHSIDE GENERATING STATION	
3	DETAIL "A" ADD NOV 15, 65		JACKSONVILLE UNIT #1	FLORIDA
2	GENERAL INCKT. 6-65		DIST. THE ELEC. BURE.	72-90193
	BYDWN AMELID - 8-20-65		BY: "A - 37A/2"	72-56-90193-1