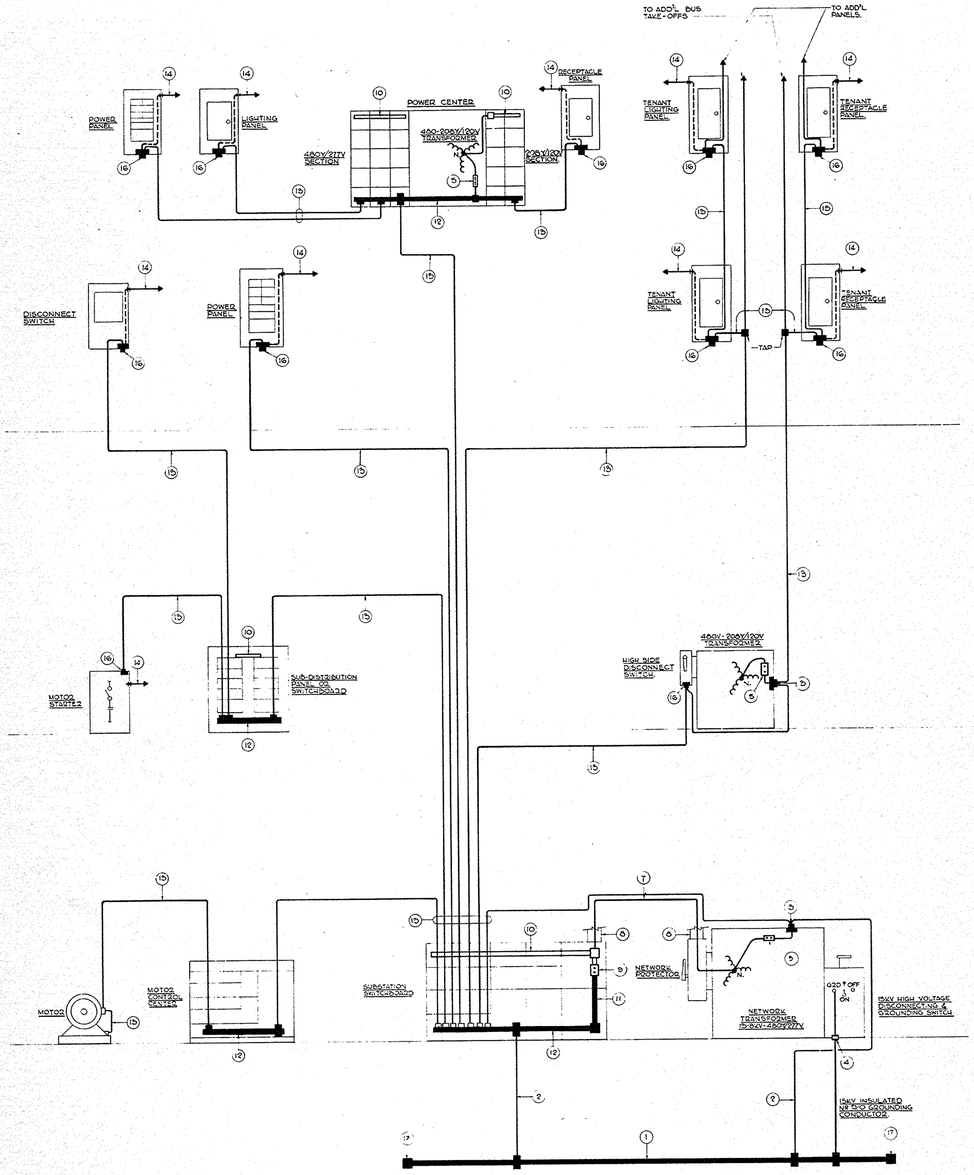
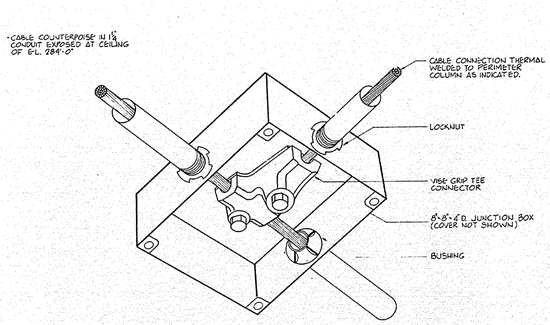
FileJuicer

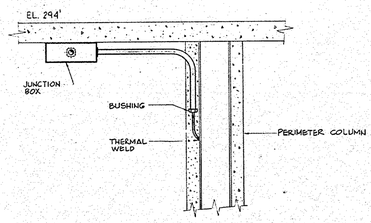


LEGEND

1. GROUND BUS ¼" x 2" MINIMUM COPPER BAR IN SUBSTATION ROOM.
2. № 5/0 MINIMUM GREEN INSULATED GROUNDING CONDUCTOR.
5. GROUND PAD.
4. GROUND INSULATED BUSHING.
5. LOW VOLTAGE GROUND DISCONNECT LINK.
6. LOW VOLTAGE INSULATED NEUTRAL
7. HALF SIZE NEUTRAL BUS BAR IN NETWORK BUS.
8. 3Φ-4W. FULL NEUTRAL BUS DUCT.
9. NEUTRAL DISCONNECT LINK.
10. INSULATED HALF NEUTRAL BUS.
11. NEUTRAL TO GROUND BUS ¼" x 2" MINIMUM COPPER BAR.
12. UNINSULATED GROUND BUS ¼" x 2" MINIMUM COPPER BAR, BONDED TO EACH SECTION OF SWITCHGEAR OR DISTRIBUTION EQUIPMENT HOUSING.
13. GROUND BUS ON BUS DUCT OR SEPARATE GROUNDING CONDUCTOR IN FEEDER CONDUIT.
14. BRANCH DEVICE GROUNDING CONDUCTOR IF SPECIFICALLY REQ'D.
15. MOTOR BASE GROUND CONNECTION.
16. GROUNDING LUG BRAZED TO CABINET WITH BAR IF REQUIRED.
17. THERMAL WELD TO STEEL COLUMNS AS SHOWN ON SUBSTATION DETAILS DWGS E-A-72 - 80.

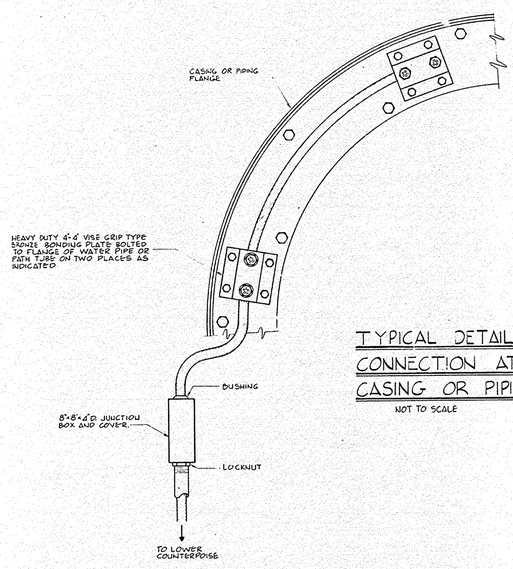
TYPICAL GROUNDING SYSTEM CONNECTION DIAGRAM.





TYPICAL DETAIL OF LOWER COUNTERPOISE CONNECTIONS AT TOWER COLUMNS

NOT TO SCALE



TYPICAL DETAIL OF FINAL GROUNDING CONNECTION AT FLANGES OF LARGE CASING OR PIPING

NOT TO SCALE

CONTRACT BID DRAWING date OCT. 16, 1967

NO.	DATE	BUL. NO.	BY

REVISIONS

NO.	DATE	BUL. NO.	BY

REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

THE WORLD TRADE CENTER

THE PORT OF NEW YORK AUTHORITY

MINORU YAMASAKI & ASSOCIATES
MINORU YAMASAKI, ARCHITECT

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MECHANICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE

GROUNDING SYSTEM DIAGRAM AND DETAILS

DRAWN	R.F.H.	CHECKED	J.R.L.
SCALE	NONE	DATE	OCT 16, 1967
PROJECT NUMBER		SHEET 100	OF 116
DRAWING NUMBER	E-A-120		