FileJuicer

NORTH

THERMALWELD CONNECTION TO 12" DIA RED BRASS UTILITY DOMESTIC WATER LINE AND 24" DIA. STEEL STEAM UTILITY LINE - SEE NOTE 6

1/4" X 4" GRD BUS

THERMALWELD CONNECTION TO 12" DIA RED BRASS UTILITY DOMESTIC WATER LINE AND 24" DIA. STEEL STEAM UTILITY LINE - SEE NOTE 6

PROVISION FOR FUT. CONN. TO 55-PE GRD. BUS (N.I.C.)

THERMALWELD CONNECTION TO 12" DIA. RED BRASS UTILITY DOMESTIC WATER LINE AND 24" DIA STEEL STEAM UTILITY LINE - SEE NOTE 6

THERMALWELD CONNECTION TO PATH TUBE CASING - SEE NOTE 6

PROVISION FOR FUT CONN. TO 55-PCB & 55-PCB GRD. BUS (N.I.C.)

NOTE # 5

NOTE # 2

SEE NOTE 6

CONNECT TO 55-PA GRD. BUS.

SEE NOTE 7

SEE DWG. NO E-A-150 FOR TYPICAL COUNTERPOISE CONNECTION - TYP. FOR ALL

SEE NOTE 7

TOWER 'A'

SEE NOTE 6

NOTE 2

THERMALWELD CONNECTION TO 12" DIA. RED BRASS UTILITY DOMESTIC WATER LINE AND 24" DIA. STEEL STEAM UTILITY LINE - SEE NOTE 6

NOTE 1

NOTE 3

NOTE 3

THERMALWELD CONNECTION TO REFRIG. PLANT SUPPLY WATER LINE 60" DIA. AHEAD OF SHUT-OFF VALVE - SEE NOTE 6

NOTE 4

NOTE 3

NOTE 2

THERMALWELD CONNECTION TO REFRIG PLANT RETURN WATER LINE 60" DIA. SEE NOTE 6

THERMALWELD CONNECTION TO 12" DIA. RED BRASS UTILITY DOMESTIC WATER LINE AND 24" DIA STEEL STEAM UTILITY LINE - SEE NOTE 6

CONN. TO 55-PB GRD. BUS

NOTE 4

PROVISION FOR FUT CONN. TO 55-PE GRD. BUS (N.I.C.)

SEE NOTE 7

SEE NOTE 7

THERMALWELD CONNECTION TO PATH TUBE CASING - SEE NOTE 6

SEE NOTE 6

SEE NOTE 6

SEE NOTE 7 (TYPICAL)

SEE DWG. NO E-B-120 FOR TYPICAL COUNTERPOISE CONNECTION - TYP. FOR ALL

TOWER 'B'

NOTE 5

THERMALWELD CONNECTION TO 12" DIA RED BRASS UTILITY DOMESTIC WATER LINE AND 24" DIA. STEEL STEAM UTILITY LINE - SEE NOTE 6

NOTE 1

NOTE 2

## NOTES:

1. # 2/0 AWG. IN 1¼" CONDUIT CABLE COUNTERPOISE BELOW EL. 294'-0"
2. # 2/0 AWG. CABLE IN 1¼" CONDUIT - UP TO 12" WATER MAIN IN UTILITY RACK. APPROX. EL. 304'-0"
3. # 2/0 AWG. IN 1¼" CONDUIT CABLE COUNTERPOISE INTERCONNECT BELOW EL. 294'-0"
4. # 2/0 AWG. CABLE IN 1¼" CONDUIT - CONNECTION TO INCOMING REFRIGERATION PLANT COOLING WATER. APPROX. EL. 257'-0"
5. # 2/0 AWG IN 1¼" CONDUIT - CONNECTION TO PATH TUNNELS. APPROX. EL. 308'-0"
6. # 2/0 AWG. CABLE IN 1¼" CONDUIT - GROUND SYSTEM CONNECTION TO CABLE COUNTERPOISE
7. THERMALWELD CONNECTION TO STEEL COLUMNS AS INDICATED
8. REFER TO DWG. NO E-A-120 & E-B-120 FOR TYPICAL FLANGE CONNECTION.

1" = 40'-0" scale -40 0 40 80 feet

CONTRACT BID DRAWING date OCT. 16, 1967

| NO. | DATE | BUL. NO. | BY |
|---|---|---|---|
| 1 | 12-18-67 | | |

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

EMERY ROTH & SONS
RICHARD ROTH, ARCHITECT

WORTHINGTON, SKILLING, HELLE & JACKSON
STRUCTURAL ENGINEERS

JAROS, BAUM & BOLLES
MECHANICAL ENGINEERS

JOSEPH R. LORING & ASSOCIATES
ELECTRICAL ENGINEERS

THE PORT OF NEW YORK AUTHORITY
PAVING, UTILITIES, FOUNDATIONS

TITLE: PLAN OF LIGHTNING PROTECTION & GROUNDING SYSTEM AT ELEV. 280'-284'

| | | | |
|---|---|---|---|
| DRAWN | R.F.H. | CHECKED | J.R.L. |
| SCALE | 1" = 40' | DATE | OCT. 16, 1967 |
| PROJECT NUMBER | | SHEET | 6 OF 12 |
| DRAWING NUMBER | | E-X-6 | |

File Juicer