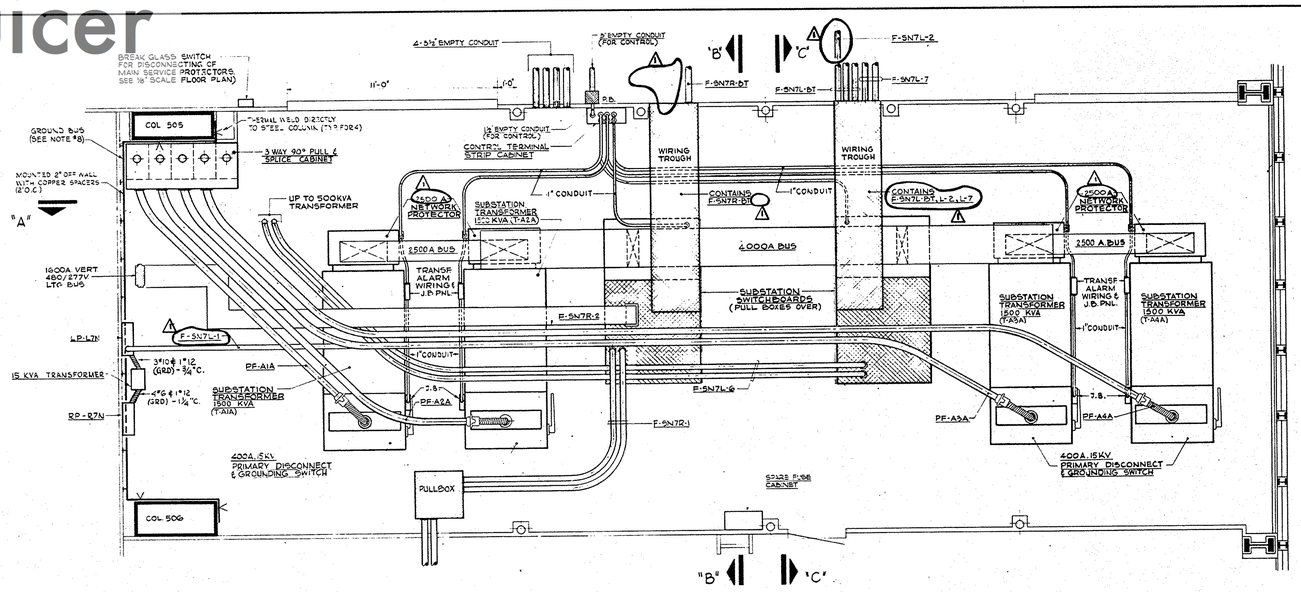
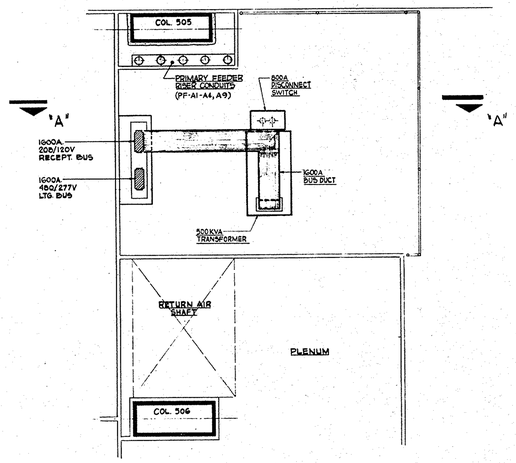
FileJuicer



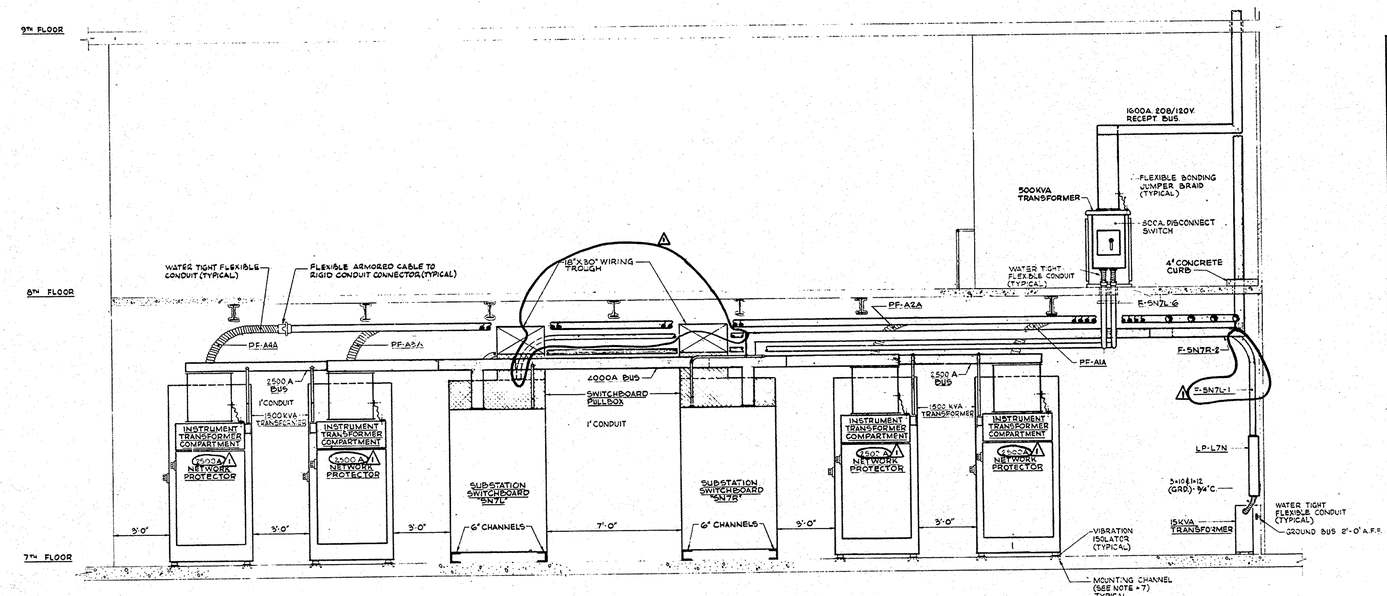
SUBSTATION "SS-7N" - PART PLAN - 7TH FLOOR



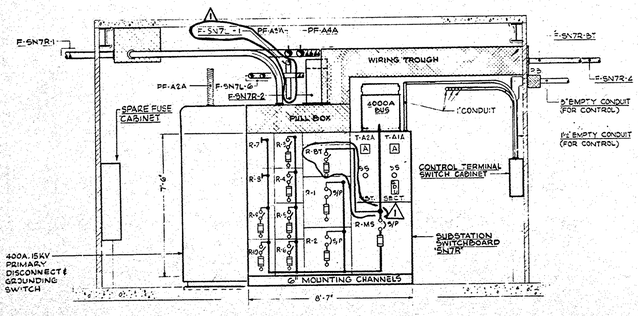
SUBSTATION "SS-7N" ROOF
PART PLAN - 8TH FL.

GENERAL NOTES:

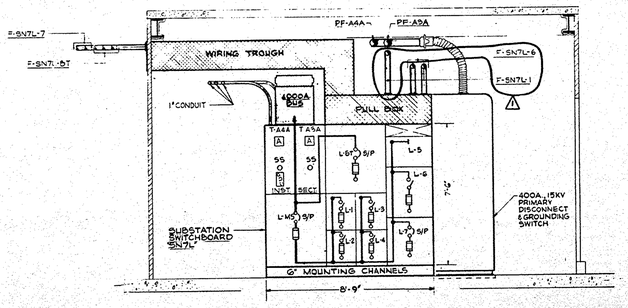
1. FOR SINGLE LINE DIAGRAM SEE DWG. E-X-9.
2. FOR 13.8 KV SERVICE & DISTRIBUTION SYSTEM RISER & SCHEDULES SEE DWG. E-X-7.
3. FOR DETAILS SHOWING VERTICAL SUPPORT OF BUS DUCT SEE DWGS E-A-131.
4. SEE SPECIFICATIONS FOR SPECIAL CONSTRUCTION OF SUBSTATION SWITCHBOARDS.
5. FOR AUTO TRANSFER SWITCH DETAILS & SCHEDULE SEE DRAWING E-A-99.
6. FOR PRIMARY SPLICE AND CABLE COMPARTMENT DETAILS SEE DRAWING E-A-126 THRU E-A-128.
7. CONTRACTOR SHALL TAKE EXTREME CARE TO PREVENT DAMAGE TO WATERPROOF MEMBRANE.
8. FOR TYPICAL GROUNDING SYSTEM DIAGRAM SEE DWG E-A-120.
9. FOR SUBSTATION REMOTE CONTROL WIRING DETAILS SEE DWG.# E-X-3.



ELEVATION "A - A"



ELEVATION "B - B"



ELEVATION "C - C"

MAIN SWITCHBOARD SCHEDULES

480/277 V — 3Ø - 1/2 NEUTRAL

SECTION	CIRCUIT NUMBER	FEEDER SYMBOL	PROTECTIVE DEVICE: DEVICE RATING AMPS	POLES	TYPE	FUSE SIZE AMPS	FEEDER	SERVICE TO	REMARKS
5N7L	L-MS	——	4000	3	SERV. PROT.	4000	4000A, 3Ø, 5WBD. BUS	5WBD BRANCH UNITS L-1 THRU L-7	REMOTE TRIP *
	L-BT	F-5N7L-BT	2000	3	SERV PROT	2000	3SETS OF 3-350 MCM (1#6 (GRD) IN 3-SC	250 HP FIRE PUMP	——
	L-1	F-5N7-1	200	3	QMQB. SW.	200	4" 3c #4/0 (GRD) - 3 1/2" C	LTG PNL. L7N	——
	L-2	F-5N7L-2	400	3	QMQB. SW.	400	4-300 MCM (1" C (GRD) - 4"	MAIN LOBBY LTG.	——
	L-3	——	400	3	QMQB. SW.	400	——	SPARE	——
	L-4	——	400	3	QMQB. SW.	400	——	SPARE	——
	L-5	——	400	3	——	——	——	SPACE ONLY	——
	L-6	F-5N7L-6	800	3	QMQB. SW.	600	2 SETS OF 3-500 MCM (1#2 (GRD) IN 2-3½" C	REC. PNLS. R9N THRU R24N	VIA 500 KVA XFMR.
	L-7	F-5N7L-7	800	3	SERV. PROT	800	2 SETS OF 3-350 MCM (1#4 (GRD) IN 1-3" C	MOTOR CONTROL CENTER "MN7L"	*
5N7R	R-MS	——	4000	3	SERV. PROT	4000	4000A, 3Ø, 5WBD. BUS.	5WBD BRANCH UNITS R-1 THRU R-6	REMOTE TRIP *
	R-BT	F-5N7R-BT	400	3	QMQB. SW.	200	3#1/0 & 1#6 (GRD) - 2 1/2" C.	EM. LTG PNLS ERPC, SLSA TVEU ERPC E9A	VIA AUTO XFER, SWS, & 15KV KVA VFMR.
	R-1	F-5N7R-1	1200	3	SERV. PROT.	1000	2 SETS OF 3-500 MCM (1#2 (GRD) IN 2-3½" C	MOTOR CONTROL CENTER "MN7R"	*
	R-2	F-5N7R-2	1600	3	SERV PROT	1600	1600A, 3Ø-FN BUS DUCT W/GRD.	LTG PNLS. L9N THRU L24N	——
	R-3	——	200	3	QMQB. SW.	200	——	SPARE	——
	R-4	——	400	3	QMQB. SW.	400	——	SPARE	——
	R-5	——	400	3	QMQB. SW.	400	——	SPARE	——
	R-6	——	400	3	QMQB. SW.	400	——	SPARE	——
	R-7	——	400	3	——	——	——	SPACE ONLY	——
	R-8	——	400	3	——	——	——	SPACE ONLY	——
	R-9	——	400	3	QMQB. SW.	400	——	SPARE	——
	R-10	——	400	3	QMQB. SW.	400	——	SPARE	——

* PROVIDE SERVICE PROTECTOR WITH ANTI-SINGLE PHASE DEVICE.

CONTRACT BID DRAWING date OCT. 10, 1967

NO.	DATE	SUB. NO.	BY	NO.	DATE	SUB. NO.	BY
1	11-10-67						

REVISIONS — REVISIONS

APPROVED

CHIEF, PLANNING DIVISION

DATE

3/8"=1'-0" 0 1 2 3 4 5 6 7 8

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: SUB-STATION SS-7N 7TH FLOOR NORTH

DRAWN	R.F.H.	CHECKED	J.R.L.
SCALE	3/8"=1'-0"	DATE	OCT. 10, 1967
PROJECT NUMBER	-	SHEET	64 OF 114
DRAWING NUMBER	E-A-73		