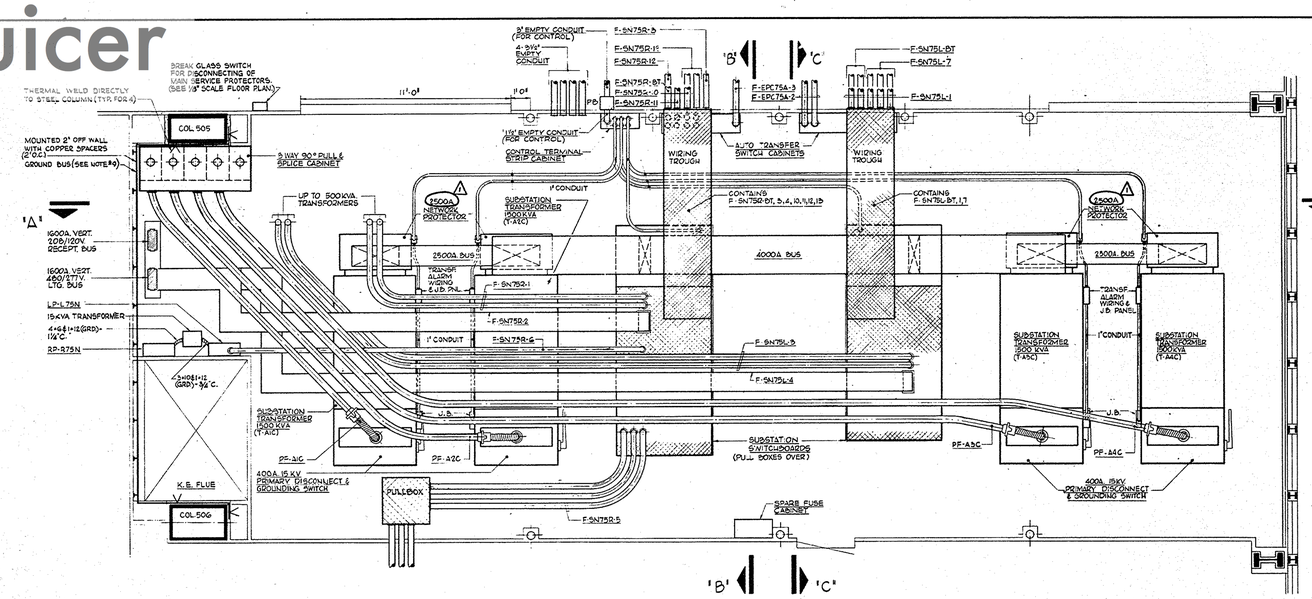
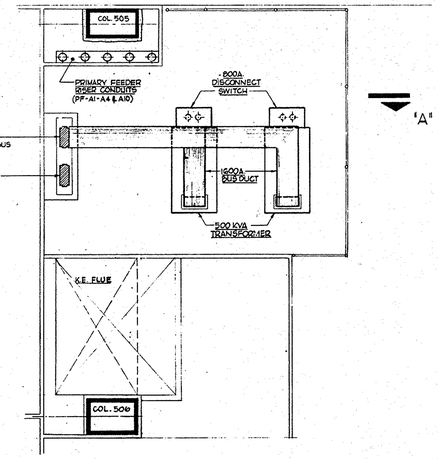
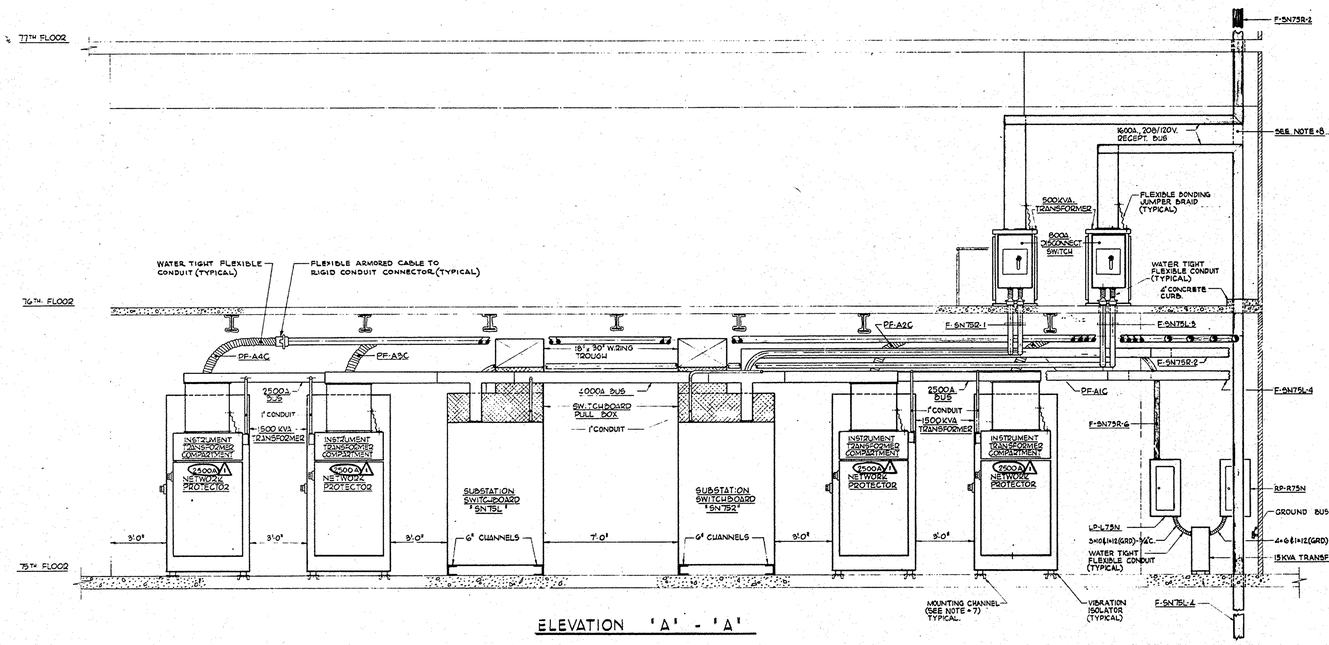
FileJuicer



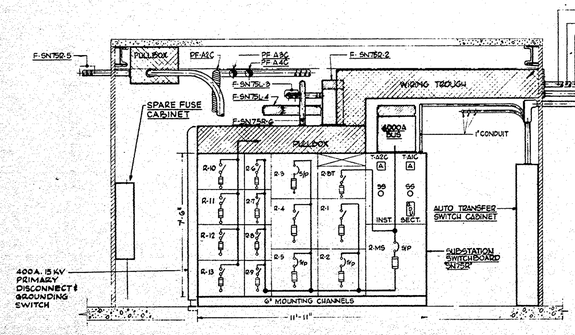
SUBSTATION 'SS-75N' PART PLAN 75TH FLOOR



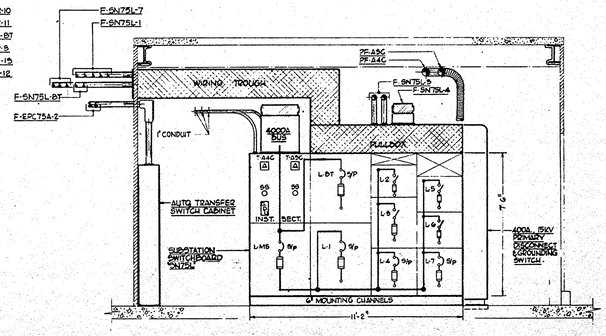
SUBSTATION 'SS-75N' ROOF PART PLAN - 75TH FL.



ELEVATION 'A' - 'A'



ELEVATION 'B' - 'B'



ELEVATION 'C' - 'C'

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 AND SCHEDULE SEE DRAWING E-A-99.
6. FOR PRIMARY SPLICE AND CABLE CABINET DETAILS SEE DRAWING E-A-126 THRU E-A-128.
7. CONTRACTOR SHALL TAKE EXTREME CARE TO PREVENT DAMAGE TO WATERPROOF MEMBRANE.
8. PROVIDE FULL CAPACITY BUS DUCT TIE SECTION (AND 800A 3P, 250V FUSED DISCONNECT SWITCH FOR 208/120V BUS DUCT ONLY) FOR TEMPORARY LIGHT & POWER. DISCONNECT SAME AND INSTALL BOT BLOWS AS SHOWN FOR PERMANENT INSTALLATION. DISCONNECT SWITCH NOT SHOWN, SEE SPECIFICATIONS.
9. FOR TYPICAL GROUNDING SYSTEM DIAGRAM SEE DWG. E-A-120.
10. FOR SUB-STATION REMOTE CONTROL WIRING DETAILS SEE DWG.# E-X-3.

480/277V MAIN SWITCHBOARD SCHEDULES 3Φ-1/2 NEUTRAL

SECTION	CUBICLE NUMBER	FEEDER SYMBOL	PROTECTIVE DEVICE: DEVICE RATING AMPS	POLES	TYPE	FUSE SIZE AMPS.	FEEDER	SERVICE TO	REMARKS
'SN75L'	L-MS	——	4000	3	SERV. PROT.	4000	4000A., 3Φ, SWBD. BUS	SWBD BRANCH UNITS L1 THRU L7	REMOTE TRIP *
	L-BT	F-SN75L-BT	1600	3	SERV. PROT.	1600	2 SETS OF 3-350 MCM, 1#2(GRD) IN 2-3/4"C.	150 HP FIRE PUMP	VIA AUTO XFER SW.
	L-1	F-SN75L-1	2500	3	SERV. PROT.	2000	5 SETS OF 5-500 MCM, 1#2(GRD) IN 3-3/4"C.	ELEV. DIST. PNL. "ELA15E-A2" & ELA16W-A	VIA AUTO XFER SW. ZONE 'E' SHUTTLES, 10-S-37 SKIP ELEVS.
	L-2		400	3	GMOD. SW.	400		SPARE	
	L-3	F-SN75L-3	600	3	GMOD. SW.	600	2 SETS OF 3-500 MCM, 1#1(GRD) IN 2-3/4"C.	REC. PNLS. R19N THRU R21N	VIA 500 KVA XFMR
	L-4	F-SN75L-4	1600	3	SERV. PROT.	1600	1600A., 3Φ, FN. BUS DUCT W/GRD.	LTG PNLS L19N THRU L21N.	
	L-5		400	3	GMOD. SW.	400		SPARE	
	L-6		400	3	GMOD. SW.	400		SPARE	
	L-7	F-SN75L-7	1600	3	SERV. PROT.	1600	3 SETS OF 3-500 MCM & 1#2 (GRD) IN 3-3/4"C.	MOTOR CONTROL CENTER "MN75L"	*
'SN75Q'	2-MS	——	4000	3	SERV. PROT.	4000	4000A., 3Φ, SWBD. BUS	SWBD. BRANCH UNITS 21 THRU 29	REMOTE TRIP *
	2-BT	F-SN75Q-BT	400	3	GMOD. SW.	200	3#3/0 & 1#6 (GRD) 2-1/2"C.	EM. LTG PNLS. ERPC60A THRU ERPC91A	VIA AUTO XFER SW & 150 KVA XFMR.
	2-1	F-SN75Q-1	800	3	GMOD. SW.	600	2 SETS OF 3-500 MCM & 1#2 (GRD) 3-3/4"C.	DSC PNLS R17N THRU R21N	VIA 500 KVA XFMR
	2-2	F-SN75Q-2	1600	3	SERV. PROT.	1600	1600A., 3Φ, FN. BUS DUCT W/GRD.	LTG PNLS L17N THRU L19N	
	2-3	F-SN75Q-3	800A	3	SERV. PROT.	500	(3-250 MCM & 1#6 (GRD)- 2-1/2"C.	WATER SUPPLY PUMPS (-75E1-40 HP)	*
	2-4	F-SN75Q-4	1200	3	GMOD. SW.	1000	3 SETS OF 3-500 MCM & 1#2(GRD) 3-3/4"C.	SPLIT BUS SECTION OF SWBD.	VIA AUTO XFER SW.
	2-5	F-SN75Q-5	1600	3	SERV. PROT.	1400	5 SETS OF 3-500 MCM & 1#2 (GRD) IN 3-3/4"C.	MOTOR CONTROL CENTER "MN75Q"	*
	2-6	F-SN75Q-6	200	3	GMOD. SW.	200	4-#6 & 1-#8 (GRD)- 2-1/2"C.	LTG. PNL. L-75N	
	2-7		400	3	GMOD. SW.	400		SPARE	
	2-8		400	3	GMOD. SW.	400		SPARE	
	2-9		400	3	GMOD. SW.	400		SPARE	
	SPLIT BUS SECTION 1200A, 3Φ, BUS							SWBD BRANCH UNITS R10 THRU R13	
	2-10	F-SN75Q-10	200	3	GMOD. SW.	175	2 # 2/0 & 1 # 8 (GRD)- 2-1/2"C.	ELEV. DIST. PNL. "ELA56-A"	ZONE II BANK "A" 9-35 # ELEVS.
	2-11	F-SN75Q-11	400	3	GMOD. SW.	350	3-350 MCM & 1#6 (GRD)- 2-1/2"C.	ELEV. DIST. PNL. "ELA65-A"	ZONE II BANK "B" 3-22 # ELEVS.
	2-12	F-SN75Q-12	400	3	GMOD. SW.	250	3-350 MCM & 1#6 (GRD)- 2-1/2"C.	ELEV. DIST. PNL. "ELA69-A"	ZONE II BANK "C" 3-24 # ELEVS.
	2-13	F-SN75Q-13	600	3	GMOD. SW.	600	2 SETS OF 3-350 MCM & 1#4 (GRD) IN 3-3/4"C.	ELEV. DIST. PNL. "ELA76-A"	ZONE II BANK "D" 3-90 # ELEVS.

* PROVIDE SERVICE PROTECTOR WITH ANTI-SINGLE PHASE DEVICE.

CONTRACT BID DRAWING date OCT. 16, 1967

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

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

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

TITLE: SUB-STATION SS-75N 75TH FLOOR NORTH

DRAWN	R.F.H.	CHECKED	J.R.L.
SCALE	3/8"=1'-0"	DATE	OCT. 16, 1967
PROJECT NUMBER		SHEET	68 OF 114
DRAWING NUMBER	E-A-77		

File Juicer