

FIRE PUMP CONTROL STATION
41ST FLOOR

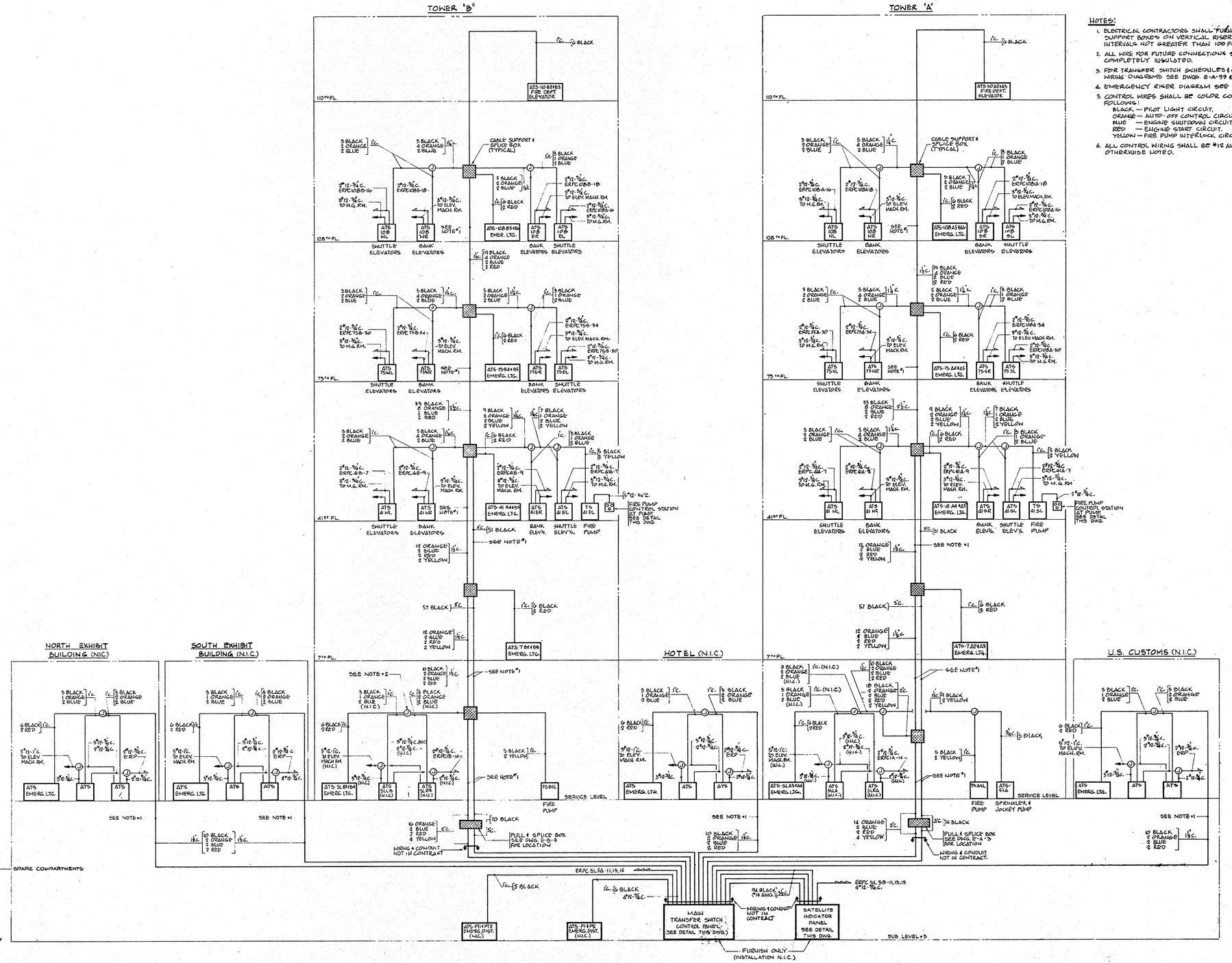
TRANSFER SWITCH CONTROL PANEL

NORTH TOWER	SOUTH TOWER	PLAZA COMPLEX
FIRE DEPT. ELEVATOR N°50 SWITCH POSITION ① ② ③ SOURCE AVAILABILITY N°1 ① N°2 ②	FIRE DEPT. ELEVATOR N°30 SWITCH POSITION ① ② ③ SOURCE AVAILABILITY N°1 ① N°2 ②	GENERAL PLAZA AREA SWITCH POSITION ① ② ③ SOURCE AVAILABILITY N°1 ① N°2 ②
LIGHTING - 93 TO 110 FLOORS SWITCH POSITION ① ② ③ SOURCE AVAILABILITY N°1 ① N°2 ②	LIGHTING - 93 TO 110 FLOORS SWITCH POSITION ① ② ③ SOURCE AVAILABILITY N°1 ① N°2 ②	HOTEL LIGHTING SWITCH POSITION ① ② ③ SOURCE AVAILABILITY N°1 ① N°2 ②
ZONE III ELEVATORS SWITCH POSITION NORTH BANK SOUTH SHUTTLE AUTO OFF	ZONE III ELEVATORS SWITCH POSITION WEST BANK EAST SHUTTLE AUTO OFF	HOTEL ELEVATORS SWITCH POSITION AUTO OFF
LIGHTING - 59 TO 92 FLOORS SWITCH POSITION ① ② ③ SOURCE AVAILABILITY N°1 ① N°2 ②	LIGHTING - 59 TO 92 FLOORS SWITCH POSITION ① ② ③ SOURCE AVAILABILITY N°1 ① N°2 ②	U.S. CUSTOMS LIGHTING SWITCH POSITION ① ② ③ SOURCE AVAILABILITY N°1 ① N°2 ②
ZONE II ELEVATORS SWITCH POSITION NORTH BANK SOUTH SHUTTLE AUTO OFF	ZONE II ELEVATOR SWITCH POSITION WEST BANK EAST SHUTTLE AUTO OFF	U.S. CUSTOMS ELEVATORS SWITCH POSITION AUTO OFF
LIGHTING - 25 TO 58 FLOORS SWITCH POSITION ① ② ③ SOURCE AVAILABILITY N°1 ① N°2 ②	LIGHTING - 25 TO 58 FLOORS SWITCH POSITION ① ② ③ SOURCE AVAILABILITY N°1 ① N°2 ②	N.E. ZONE LIGHTING SWITCH POSITION ① ② ③ SOURCE AVAILABILITY N°1 ① N°2 ②
ZONE I ELEVATORS SWITCH POSITION NORTH BANK SOUTH SHUTTLE AUTO OFF	ZONE I ELEVATORS SWITCH POSITION WEST BANK EAST SHUTTLE AUTO OFF	N.E. ZONE ELEVATORS SWITCH POSITION AUTO OFF
LIGHTING - G TO 24 FLOORS SWITCH POSITION ① ② ③ SOURCE AVAILABILITY N°1 ① N°2 ②	LIGHTING - G TO 24 FLOORS SWITCH POSITION ① ② ③ SOURCE AVAILABILITY N°1 ① N°2 ②	S.E. ZONE LIGHTING SWITCH POSITION ① ② ③ SOURCE AVAILABILITY N°1 ① N°2 ②
PLAZA BUILDING ELEVATORS SWITCH POSITION ① ② ③ AUTO OFF	PLAZA BUILDING ELEVATORS SWITCH POSITION ① ② ③ AUTO OFF	S.E. ZONE ELEVATORS SWITCH POSITION ① ② ③ AUTO OFF
LIGHTING - SLS TO 5 FLOORS SWITCH POSITION ① ② ③ SOURCE AVAILABILITY N°1 ① N°2 ②	LIGHTING - SLS TO 5 FLOORS SWITCH POSITION ① ② ③ SOURCE AVAILABILITY N°1 ① N°2 ②	2ND TERMINAL SWITCH POSITION ① ② ③ SOURCE AVAILABILITY N°1 ① N°2 ②
SPRINKLER AND JOCKEY PUMP SWITCH POSITION ① ② ③ SOURCE AVAILABILITY NORMAL ① EMERG. ②	SWITCH POSITION ① ② ③ SOURCE AVAILABILITY NORMAL ① EMERG ②	SWITCH POSITION ① ② ③ SOURCE AVAILABILITY N°1 ① N°2 ②
FIRE PUMPS - 41ST FLOOR SWITCH POSITION ① ② ③ SOURCE AVAILABILITY NORMAL ① EMERG. ② NORMAL	SWITCH POSITION ① ② ③ AUTO OFF	
FIRE PUMPS SUB-LEVEL 1 SWITCH POSITION ① ② ③ NORMAL ① EMERG. ② NORMAL	SWITCH POSITION ① ② ③	ALARM ④ SILENCING SWITCH ⑤ MAIN SWITCH ON OFF

BEFORE PROVIDING EMERGENCY POWER TO A FIRE PUMP - SWITCH "OFF" ALL ELEVATOR SWITCHES TO OTHER BUILDINGS

MAIN TRANSFER SWITCH CONTROL PANEL
FRONT ELEVATION

(TRANSFER SWITCH SATELLITE INDICATOR PANEL SIMILAR BUT WITHOUT ELEVATOR 'AUTO-OFF' SWITCHES)



EMERGENCY CONTROL RISER DIAGRAM
NOT TO SCALE

NOTES:

1. ELECTRICAL CONTRACTORS SHALL FURNISH CABLE SUPPORT BOXES ON VERTICAL RISER AT INTERVALS NOT GREATER THAN 100 FEET.
2. ALL WIRE FOR FUTURE CONNECTIONS SHALL BE COMPLETELY INSULATED.
3. FOR TRANSFER SWITCH SCHEDULES & CONTROL WIRING DIAGRAMS SEE DWGS. E-A-99 & E-B-99.
4. EMERGENCY RISER DIAGRAM SEE DWG. E-X-10.
5. CONTROL WIRES SHALL BE COLOR CODED AS FOLLOWS:
   BLACK — PILOT LIGHT CIRCUIT.
   ORANGE — AUTO-OFF CONTROL CIRCUIT.
   BLUE — ENGINE SHUTDOWN CIRCUIT.
   RED — ENGINE START CIRCUIT.
   YELLOW — FIRE PUMP INTERLOCK CIRCUIT.
6. ALL CONTROL WIRING SHALL BE #12 AWG UNLESS OTHERWISE NOTED.

CONTRACT BID DRAWING date OCT. 16, 1967

NO.	DATE	SUL NO.	BY
1	11-18-67		

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

DRAWING N° E-X12 AND E-X-13 NOT PART OF THIS CONTRACT.

TITLE: DETAIL OF FIRE PUMP CONTROL STA., TRANSFER SWITCH CONTROL PANEL & EMERGENCY CONTROL SYSTEM RISER DIAGRAM

DRAWN	R.F.H.	CHECKED	J.R.L.
SCALE	NONE	DATE	OCT. 16, 1967
PROJECT NUMBER		SHEET 12	OF 12
DRAWING NUMBER		E-X-11	

FileJuicer