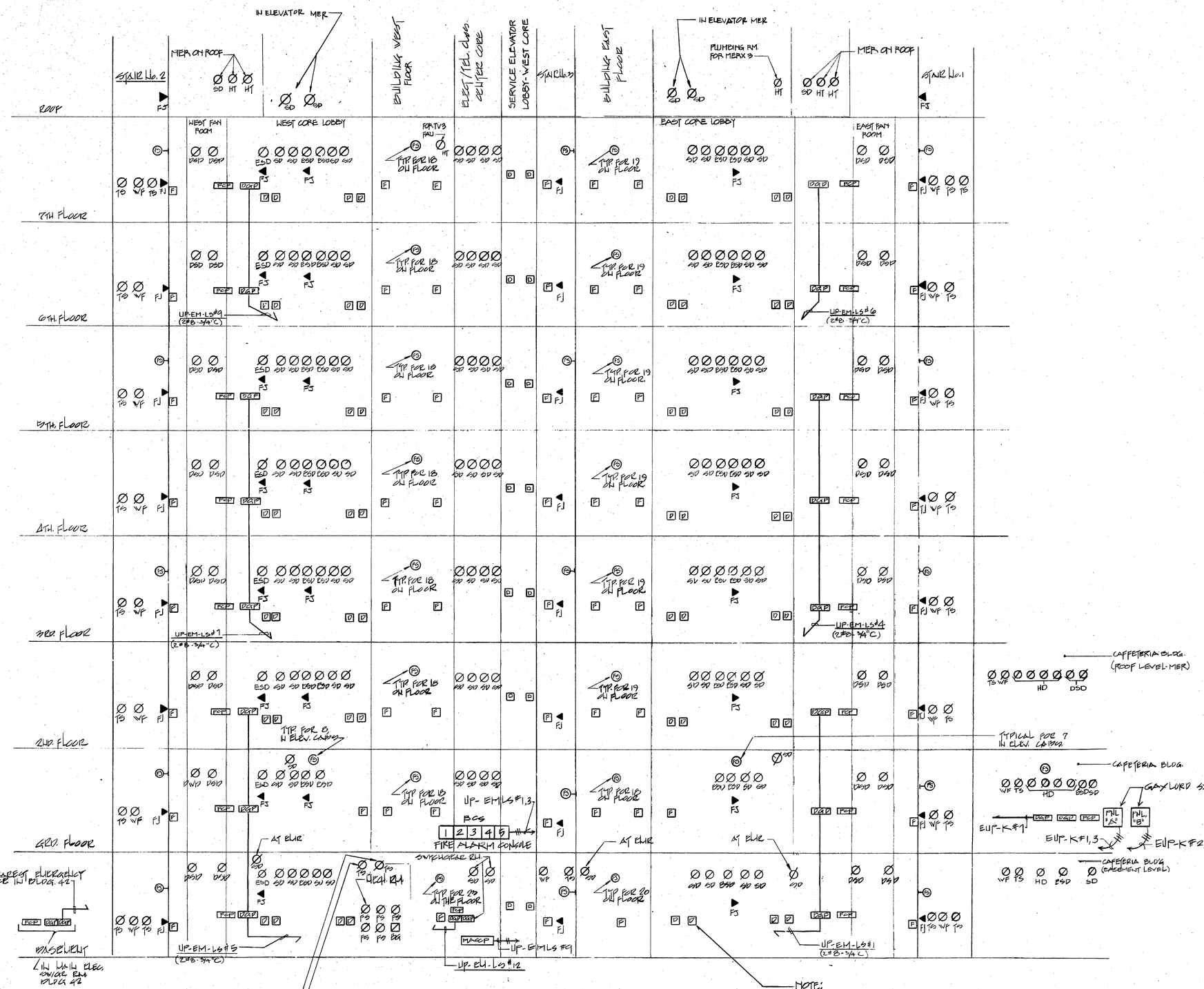


LIFE SAFETY RISER

- TYPICAL FOR FIVE (5) AT FIRE-PUMP [1 @ PHASE - SEPARATE RACE (2 @ SUPPLY - SEPARATE RACE (1 @ BY PLUMB. SEPARATE RACE]
- TYPICAL FOR FIVE (5) AT HOUSE PANEL ALL EXT. & GROUND RACE

NOTE:

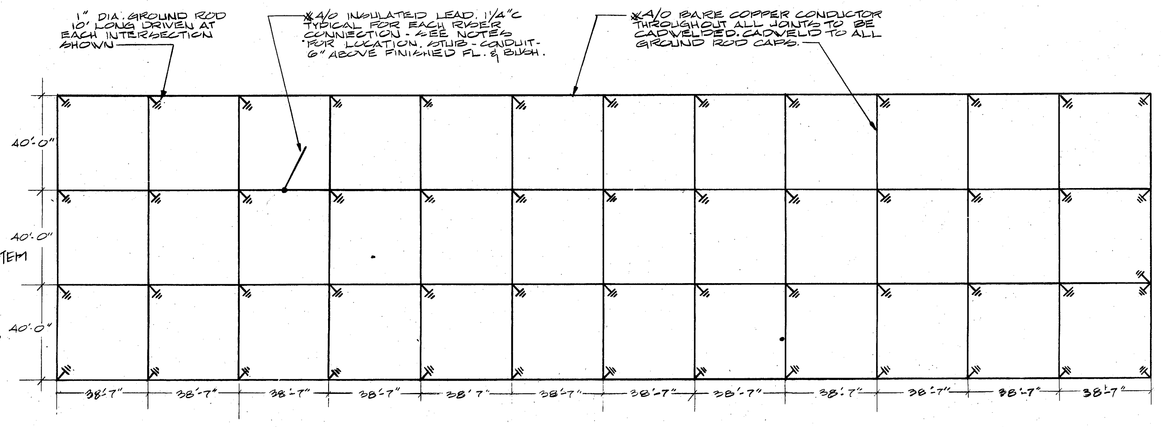
1. CONNECT TO LIFE SAFETY SYSTEM DATA GATHERING PANEL FOR SYSTEM PROGRAM TO BE ACTIVATE DOOR HOLDERS ON ALL LOBBY DOORS UPON ACTIVATION OF LIFE SAFETY FIRE AND SMOKE SYSTEM. FURNISH & INSTALL NECESSARY ALARM POINTS.
2. FOR ADDITIONAL INFORMATION ON LIFE SAFETY SYSTEM - SEE PYRITRONICS DWG. # PNL-1151 FOR RISER WIRING & FLOOR PLAN LAYOUT

LIFE SAFETY & FUNCTION MATRIX

DEVICES	RESULTING ALARM & CONTROL FUNCTIONS: ALARM @ BUILDING CONTROL STATION	RECALL ELEVS.	SOUND GENERAL ALARM @ FLOORS OF IND. DEVICE	SMART/SMK PRESSURIZATION & VESTIBULE VENTING	SIGNAL CENTER STATION FIRE DEPT.	SHUT DOWN SUPPLY & RETURN FANS ON FLOORS(1)	RELEASE DOOR HOLDERS ALL FLOOR	UNLOCK ALL EGRESS DOORS	SHUT DOWN SUPPLY & RET. FANS IN AFFECTED MER	STOP VERT. CONVEYOR & LIFTOR TYPE SHUTTER @ 1st FLOOR
WATER FLOW SWITCH	●	●	●	●	●	●	●	●	●	●
AREA SMOKE DETECTOR	●		●	●	●	●	●	●	●	
ELEV. LOBBY SMOKE DET	●	●	●	●	●	●	●	●	●	
RETURN AIR SMOKE DETECTOR	●		●	●	●	●	●	●	●	
SUPPLY AIR(2) SMOKE DETECTOR	●		●	●	●				●(2)	
SERVICE CENTER (VERTICAL CONVEYOR RM) SMOKE DET.	●		●	●	●	●	●	●	●	●
VERTICAL CONVEYOR SHAFT SMOKE DETECTOR	●		●	●	●	●	●	●	●	●
TAMPER SWITCH	●									
MANUAL PULL STAIR	●		●	●	●	●	●	●	●	

(1) OVERRIDE SWITCHES ARE PROVIDED AT THE BUILDING CONTROL STATION TO ALLOW OPERATION OF ANY SUPPLY OR RETURN FAN AT THE FIRE DEPTS DISCRETION. UNDER STAND BY POWER ONLY THE RETURN AIR FANS WILL OPERATE.

(2) THE SUPPLY AND RETURN FANS IN THE AFFECTED MER WILL NOT OPERATE UNTIL SMOKE DETECTOR IS CLEANED.



GROUND COUNTER POISE SYSTEM

SCALE: 1/32" = 1'-0"

* FOR MORE INFORMATION SEE KIRKWOOD SHOP DRAWING # KE-16 & E24

NOTES:

1. GROUND COUNTERPOISE SYSTEM TO BE BURIED IN EARTH AT LEAST 18" BELOW BSMT. SLAB PRIOR TO POUR.
2. PROVIDE #4/0 RISER FOR EACH OF THE FOLLOWING AREAS. REFER TO BSMT. PLANS FOR EXACT LOCATION OF STUB UPS.
   - A. MAIN SWITCHGEAR ROOM
   - B. MAIN TEL TERMINAL ROOM
   - C. DATA PROCESSING CENTER
   - D. REPROGRAPHICS
   - E. ALL ELECT. CLOSET
   - F. ALL TEL CLOSET
   - G. GAS ROOM
   - H. LIGHTNING PROTECTION SYSTEM
   - I. BUILDING STEEL
3. TOTAL GROUND RESISTANCE ARE NOT TO EXCEED 5 OHMS AFTER ALL RODS ARE DRIVEN, CONTRACTOR SHALL MEASURE RESISTANCE TO GROUND TO ASCERTAIN THE 5 OHM LIMIT, ADDITIONAL 10 FT. SECTIONS SHALL BE ADDED TO THE GROUND RODS WHICH SHALL BE DRIVEN DEEPER UNTIL THE 5 OHM VALUE IS ACHIEVED.
4. GROUND ROD SHALL BE COPPER CLAD STEEL 1" DIA. 10' LONG WITH THREADED SOCKET AT DRIVING END TO PERMIT THE ADDITION OF 10 FT. THREADED SECTIONS OF THE SPECIFIED GROUND RESISTANCE IS NOT ACHIEVED.
5. AT EACH STUB-UP POINT PROVIDE A 1/4" X 12" COPPER GROUND BAR DRILLED AND TAPPED WITH 6 1/4" X 20 THREADED HOLES. BAR SHALL BE MOUNTED ON INSULATOR STAND OFF. #4/0 RISER CABLE SHALL BE LUG CONNECTED TO BAR WITH 5/8 BOLT & NUT.

Norwalk
Building 43

Norwalk, California

Skidmore, Owings & Merrill
Architects/Engineers
One Maritime Plaza
San Francisco, California

Jaros, Baum & Bolles
Consulting Engineers
345 Park Avenue
New York, New York

Approved for the Owner by

Approved for the Architect by

Drawn by | Job Number

Checked by | Date

Revisions

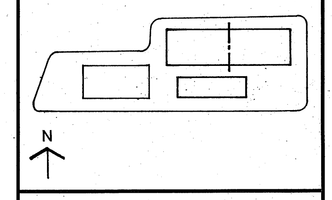
No.	Revisions Indicated thus △1	Date
	ISSUED FOR BID	12-15-81
1	ADDENDUM NO 20	2-4-82
2		
3	ADDENDUM #50	6-24-82
4	ADDENDUM #99	1-18-83
5	ADDENDUM #109	2-8-83
6	ADDENDUM #105	3-2-83
7	ADDENDUM #108	3-16-83
8	ADDENDUM #126	6-1-83
9	ADDENDUM #132	6-21-83
	AS BUILT - 1-5-84	

NO.	DATE	REVISIONS	DRN.	CHK.	PROJ. ENG.
1	1/84	KW AS BUILT UPDATE	TU	EM	LD

BECHTEL LOS ANGELES — JOB NO. 848-0089

EE 8746

KEY PLAN



LIFE SAFETY RISER DIAGRAM

E-21

2-15-84