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E-3	BASEMENT PLAN WEST-POWER	13	4-19-83
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KEY OF SYMBOLS

SYMBOLS AND ABBREVIATIONS

ELECTRICAL SYMBOL LIST

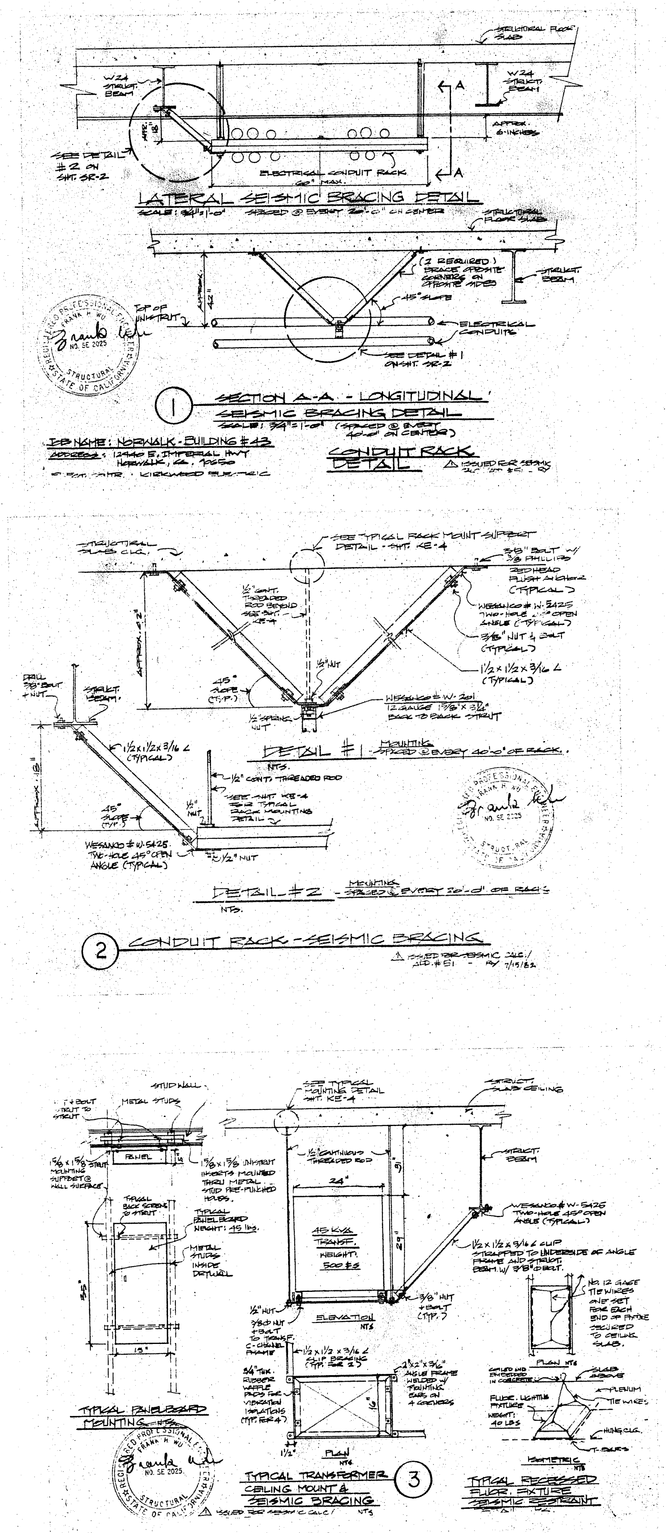
- CONDUIT CONCEALED IN WALL & CEILING
- CONDUIT RUN IN SLAB OR FILL
- CONDUIT RUN EXPOSED
- FLEXIBLE CONDUIT
- HOMERUN - HALF ARROWS INDICATE Nº OF CIRCUITS, TICKS INDICATE Nº OF WIRES, LARGE TICK INDICATES GROUND WIRE. WHERE NO TICKS ARE INDICATED TWO WIRES ARE UNDERSTOOD.
- 15A-2POLE-120V-3WIRE DUPLEX RECEPTACLE WITH GROUND FAULT INTERUPTER
- DRINKING FOUNTAIN RECEPTACLE
- 15A-2POLE-125V-3WIRE GROUNDED DUPLEX RECEPTACLE
- C.O. — 15A-2POLE-125V-3WIRE GROUNDED RECEPTACLE (C.O. = CLEANING OUTLET)
- COMBINATION SWITCH AND RECEPTACLE
- SPECIAL RECEPTACLE AS NOTED ON PLAN
- WALL MOUNTED TELEPHONE (W. DENOTES MTG. HT. OF 4'-6" AFF.) SUBLETTER "U" DENOTES TEL. WALL JACK MTD AT BASE OF WALL HORIZONTALLY
- CEILING MOUNTED PORCELAIN LAMP HOLDER.
- WALL MOUNTED PORCELAIN LAMP HOLDER
- WALL MOUNTED INCANDESCENT LIGHTING FIXTURE
- BRACKET MOUNTED PORCELAIN LAMP HOLDER WITH SEPARATELY MOUNTED DUPLEX RECEPTACLE.
- ELECTRIC THERMOSTAT
- JUNCTION BOX
- DISCONNECT SWITCH RATING AS INDICATED ON PLAN.
- FIRE ALARM PULL STATION
- MOTOR CONTROLLER WITH DISCONNECT SWITCH UNLESS OTHERWISE NOTED
- ALTERNATOR UNLESS OTHERWISE NOTED
- EXIT LIGHT-CEILING MOUNTED DIRECTIONAL ARROWS AS INDICATED
- EXIT LIGHT-WALL MOUNTED DIRECTIONAL ARROWS AS INDICATED
- FIREMAN'S JACK
- UNIT HEATER
- MOTOR NUMBER INDICATES HORSEPOWER
- DMCS — DIMMER CONTROL STATION
- Sw — SINGLE POLE SWITCH - 20A (LOWER CASE LETTER DENOTES FIXTURES CONTROLLED)
- Sp — SINGLE POLE SWITCH - 20A WITH PILOT LIGHT
- S3 — THREE WAY SWITCH
- St — THERMAL DISCONNECT SWITCH, MOTOR RATED
- Sm — MOTOR RATED SWITCH 20A-1P-250V. UNLESS OTHERWISE NOTED
- T — TRANSFORMER SIZE AS INDICATED ON PLAN
- DISTRIBUTION PANEL
- UTILITY POWER PANEL
- LIGHTING PANEL
- BRKG — BREAKGLASS STATION
- $Ø_{FS}$ — FLOW SWITCH
- $Ø_{TD}$ — TAMPER SWITCH
- $Ø_{WF}$ — WATERFLOW SWITCH
- Ⓟ — FIRE SPEAKER
- O — CEILING MOUNTED INCANDESCENT FIXTURE
- FLUORESCENT LIGHTING FIXTURE (1'X4')
- FLUORESCENT LIGHTING FIXTURE (2'X4')
- WP — WEATHERPROOF
- EC — EMPTY CONDUIT
- MTD — MOUNTED
- EM — EMERGENCY
- $Ø_{ESD}$ — ELEVATOR SMOKE DETECTOR
- $Ø_{DSD}$ — DUCT MOUNTED SMOKE DETECTOR
- $Ø_{SD}$ — CEILING MOUNTED SMOKE DETECTOR IN ELEVATOR LOBBY
- $Ø_{HT}$ — HIGH TEMPERATURE ALARM DEVICE
- $Ø_{EP}$ — ELECTRO PNEUMATIC SWITCH
- DAP — DATA GATHERING PANEL
- D — ELECTRIC DOOR RELEASE
- FLEXIBLE CONDUIT CONNECTION TO EQUIP. BY ELECTRICAL CONTRACTOR
- $Ø_{PS}$ — PRESSURE SWITCH
- $Ø_{HL}$ — HIGH LEVEL ALARM DEVICE
- $Ø_{LL}$ — LOW LEVEL ALARM DEVICE
- $Ø_{MH}$ — MAGNETIC HOLDER
- Y — 30A-3P-4W-250V SINGLE WEATHERPROOF TWISTLOCK RECEPTACLE FOR WINDOW WASHING
- J.B. — JUNCTION BOX
- P.B. — PULL BOX
- V.P. — VAPOR PROOF
- AFF — ABOVE FINISHED FLOOR
- T/F — TRANSFORMER
- TYP — TYPICAL
- C-CDT — CONDUIT
- L.P. — LIGHTING PANEL-277/480V
- UP — UTILITY POWER PANEL 120/208V
- P.P. — POWER PANEL
- D.P. — DISTRIBUTION PANEL
- ELECT. — ELECTRICAL
- TEL. — TELEPHONE
- CLOS. — CLOSET.
- PB/PL — PUSH BUTTON WITH PILOT LIGHT

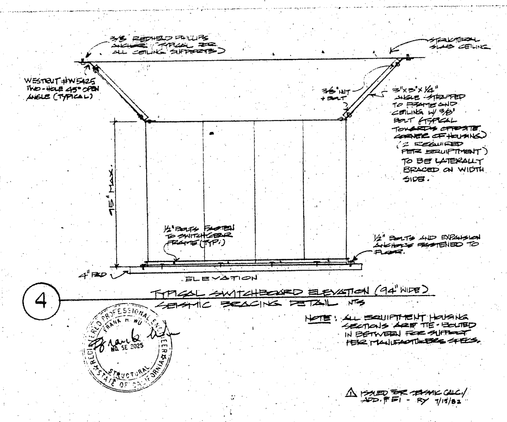
- ØDA — DOOR ALARM (SEE T-SS-2)
- ØID — INTRUSION DETECTOR
- ØDM — DOOR MONITOR
- ØEML — ELECTRO-MAGNETIC LOCK
- ØEDL — ELECTRIC DEAD LOCK
- ØEH — ELECTRIC HINGE
- ØEL — ELECTRIC LOCK
- VC — VIDEO CAMERA (FIXED)
- VC — VIDEO CAMERA W/POWER ZOOM, PAN, TILT.
- IC — INTERCOM SUBSTATION
- CR — CARD READER DOOR ENTRANCE
- VM — VIDEO MONITOR

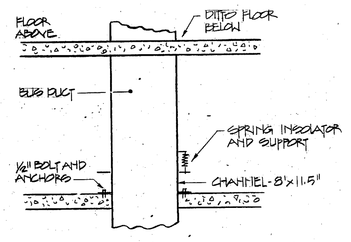
GENERAL NOTES

NOTES

1. ALL FIXTURES LOCATED IN MECHANICAL AREAS (I.E. PUMP ROOMS, MECHANICAL ROOMS, ELEVATOR MACHINE ROOMS, FAN ROOMS ETC.) ARE SHOWN FOR QUANTITIES ONLY. EXACT LOCATIONS OF FIXTURES AND MOUNTING HEIGHTS SHALL BE DETERMINED IN FIELD AFTER COORDINATION WITH OTHER TRADES. FIXTURES SHALL BE MTD. BELOW ALL OTHER ELEMENTS IN MACHINE ROOM BUT IN NO CASE LESS THAN 8'-0" AFF.
2. ELECTRICAL CONTRACTOR SHALL CO-ORDINATE ALL WORK SHOWN ON DRAWINGS AND SPECIFICATIONS WITH OTHER TRADES TO ASSURE THAT ALL SYSTEMS ARE COMPLETE AND OPERATIONAL. THIS CONTRACTOR SHALL COORDINATE ALL EQUIPMENT LOCATIONS AND CONDUIT RUNS SUPPLIED AND/OR INSTALLED BY THIS CONTRACTOR WITH ALL TRADES TO AVOID CONFLICTS. THIS CONTRACTOR SHALL PROVIDE ALL NECESSARY PULLBOXES AND CONDUIT OFFSETS REQUIRED TO ACCOMPLISH THE ABOVE MENTIONED COORDINATION, WHETHER OR NOT INDICATED ON PLAN AT NO ADDITIONAL COST INCURRED BY THE OWNER.
3. CONDUIT ROUTING INDICATED ON PLAN IS FOR REFERENCE ONLY. EXACT LOCATION, ELEVATION ETC. SHALL BE DETERMINED IN THE FIELD AFTER COORDINATION WITH ALL OTHER TRADES. CONTRACTOR SHALL SUPPLY ALL NECESSARY CONDUIT SUPPORT RACKS, HUNG FROM STRUCTURAL MEMBERS ONLY. PULLBOXES AS REQUIRED BY CODE OR FOR EASE OF PULLING. 120 TEMPLATE (TELEPHONE, CATV) RUNS AND ELEVATOR CONTROL CABLE RUNS SHALL BE PROVIDED WITH PULLBOXES AT POINTS WHERE CONDUIT RUNS EXCEED 200 FEET IN LENGTH AND/OR A MAXIMUM OF 360° OF BENDS ARE PROVIDED IN THE RUN. ALL PULLBOXES SHALL BE LABELLED AS TO THEIR SERVICE.
4. ALL ELECTRICAL EQUIPMENT AND/OR CONDUITS HUNG FROM CEILING SHALL BE SUPPORTED FROM STRUCTURAL STEEL. CONTRACTOR SHALL PROVIDE STRUCTURAL ENGINEER LOCATIONS & HEIGHTS FOR ELECTRICAL EQUIPMENT & CONDUIT, AND SHALL BE RESPONSIBLE TO FURNISH AND INSTALL ANY ADDITIONAL STEEL REQUIRED TO SUPPORT THE EQUIPMENT OR CONDUIT.
5. ALL CONDUIT RUN IN SLAB OR ENGAGED IN CONCRETE THAT CROSSES AN EXPANSION JOINT AS NOTED ON STRUCTURAL DRAWINGS SHALL BE PROVIDED WITH AN APPROPRIATE EXPANSION FITTING.
6. ALL BRANCH CKT 120V RUNS IN EXCESS OF 100 LINEAR FEET FROM THE PANELBOARD TO THE DEVICE SHALL BE PROVIDED WITH #10 AWG WIRE FOR THE ENTIRE CIRCUIT LENGTH.
7. CONTRACTOR SHALL PROVIDE 4" HOUSEKEEPING PAD FOR ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT.







5 BUS DUCT SUPPORT DETAIL
NTS

SEISMIC RESTRAINT DETAILS

NTS

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

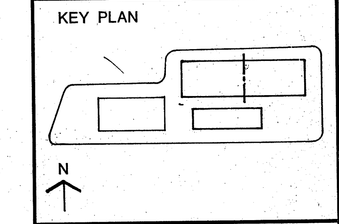
No.	Revisions Indicated thus △:	Date
	ISSUED FOR BID	12-15-81
1	ADDENDUM NO. 20	2-4-82
2	ADDENDUM NO 44 RE-ISSUED FOR BUILDING PERMIT	6-2-82
3	ADDENDUM Nº 51	7-1-82
4	ADDENDUM #65	8-5-82
5	ADDENDUM #66 ISSUED FOR BLDG. PERMIT	8-5-82
6	ADDENDUM # 78	10-1-82
7	ADDENDUM # 91	11-28-82
8	ADDENDUM #99	1-18-83
9	ADDENDUM #100	1-19-83
10	ADDENDUM #104	2-8-83
11	ADDENDUM #105	3-2-83
12	ADDENDUM #108	3-16-83
13	ADDENDUM #112	4-19-83
14	ADDENDUM #113	4-22-83
	AS BUILT	6-23-84

NO.	DATE	REVISIONS	DRN	CHK	ENG
1	6/84	KW AS BUILT UPDATE	TU	MR	LJP

BECHTEL
LOS ANGELES
JOB NO. 848-0080

EE 5748

KEY PLAN



SYMBOL LIST & GENERAL NOTES

E-30

2-15-84