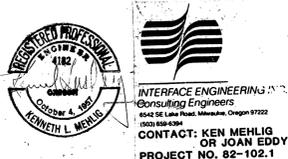


The City of Portland

Honorable Mildred A. Schwab  
Commissioner in Charge  
Ronald K. Ragen  
Chairman  
Performing Arts Center Committee

Architects  
Broome, Oringdolph, O'Toole, Rudolf & Associates pc  
ELS Design Group  
Barton Myers  
Project Address  
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Portland, Oregon 97209  
(503) 226-1575

Consultants  
Theatre Projects Inc.  
Theatre Consultants  
R. Lawrence Kirkegaard & Associates  
Acoustician  
CH2M Hill  
Structural Engineers  
C.W. Timmer Associates  
Mechanical Engineers  
Interface Engineering Inc.  
Electrical Engineers



Target	Revision	Item	Revision Date
▲	Addendum #1		10/29/84
▲	Addendum #2		11/06/84
▲	Addendum #4		11/13/84
▲	Addendum #5		11/21/84
▲	Proposal Request #1		03/01/85
▲	Proposal Request #2		03/01/85
▲	Proposal Request #3		03/01/85
▲	Proposal Request #4		03/01/85
▲	Proposal Request #5		03/01/85
▲	Proposal Request #6		03/01/85
▲	Proposal Request #7		03/01/85
▲	Proposal Request #8		03/01/85
▲	Proposal Request #9		03/01/85
▲	Proposal Request #10		03/01/85
▲	Proposal Request #11		03/01/85
▲	Proposal Request #12		03/01/85
▲	Proposal Request #13		03/01/85
▲	Proposal Request #14		03/01/85
▲	Clarification Items		03/01/85
▲	Miscellaneous Items		03/01/85

Revisions

New Theatre Building

ELECTRICAL  
DETAILS

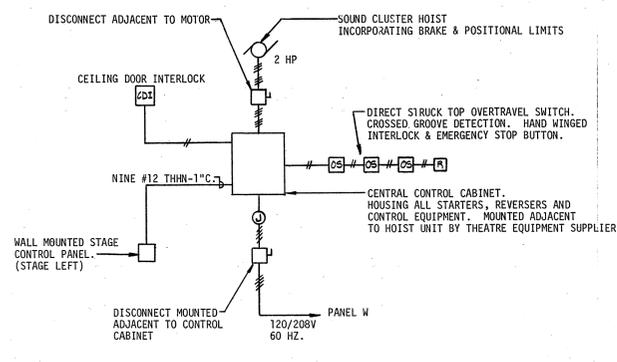
Date OCT. 12, 1984

Scale

Drawing No. 9.28

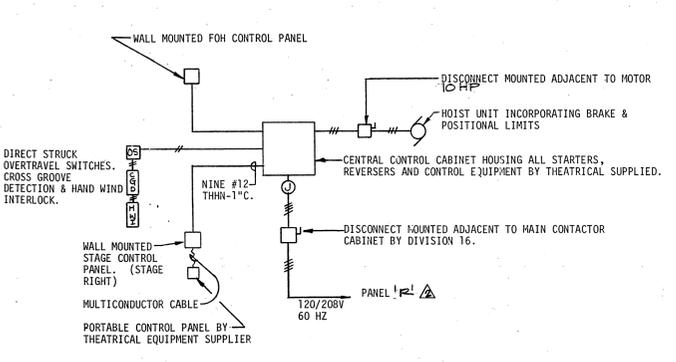
## SYMBOL SCHEDULE

- ⊙ INDICATES LIGHTING FIXTURE ON EMERGENCY CIRCUIT
- CEILING LIGHT FIXTURE WITH OUTLET
- WALL MOUNTED FIXTURE WITH OUTLET
- RECESSED WALL AND FIXTURE WITH OUTLET
- RECESSED FIXTURE
- RECESSED ADJUSTABLE SPOTLIGHT
- FLUORESCENT FIXTURE, SURFACE MOUNTED 1 X 4
- FLUORESCENT FIXTURE, RECESSED 1 X 4
- FLUORESCENT FIXTURE, SURFACE MOUNTED 2 X 4
- FLUORESCENT FIXTURE, RECESSED 2 X 4
- FLUORESCENT FIXTURE, WALL MOUNTED
- FLUORESCENT STRIPLIGHT
- LIGHT TRACK
- NL INDICATES FIXTURE ON NIGHT LIGHT CIRCUIT
- EXIT LIGHT FIXTURE WITH ARROWS AS INDICATED
- LOW VOLTAGE RELAY CABINET
- SINGLE POLE SWITCH
- DOUBLE POLE SWITCH
- THREE WAY SWITCH
- FOUR WAY SWITCH
- KEY OPERATED SWITCH
- SWITCH WITH PILOT LIGHT
- DOOR SWITCH
- DOUBLE POLE SWITCH WITH PILOT LIGHT
- THERMOSTAT
- PHOTO-ELECTRIC CELL
- TIME CLOCK
- DUPLEX RECEPTACLES
- DOUBLE DUPLEX RECEPTACLES
- DUPLEX RECEPTACLES, SPLIT WIRED
- FLUSH FLOOR RECEPTACLES
- DELAY TIMER
- PENDENT RECEPTACLE
- DIMMER CONTROL SWITCH
- DUPLEX RECEPTACLES, DEDICATED POWER
- SPECIAL PURPOSE - DRYER RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE AS NOTED
- SPECIAL PURPOSE OUTLET AS NOTED
- DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTION
- PULLHOOD AS NOTED
- JUNCTION BOX WITH BLANK COVER
- SECONDARY CLOCK AND HANGER OUTLET
- FUSED DISCONNECT SWITCH WITH DUAL ELEMENT FUSES SIZED AS REQUIRED
- DISCONNECT SWITCH
- COMBINATION MOTOR STARTER
- MAGNETIC MOTOR STARTER
- MOTOR CONNECTION
- TELEPHONE OUTLET IN WALL
- TELEPHONE OUTLET WITH 3/4" C STUBBED TO CEILING SPACE
- TELEPHONE FLUSH FLOOR OUTLET
- INDICATE LIGHTING CONTROL SYSTEM
- CONNECTION BOX/FLEXIBLE CABLE LINK
- ELEVATOR STOP SWITCH
- PROPRIETARY EMERGENCY VOICE COMMUNICATION OUTLET
- INTERCOM MASTER
- AMPLIFIER
- TELEVISION OUTLET
- RADIO SYSTEM OUTLET
- FLOOR PEDESTAL DUPLEX RECEPTACLE
- TELEPHONE TERMINAL BOARD
- EQUIPMENT CABINET AS NOTED
- SIGNAL BELL
- PUSHBUTTON
- BUZZER
- CHIME
- HORN
- FLEXIBLE CONNECTION TO EQUIPMENT
- CONDUIT ELLED UP
- CONDUIT ELLED DOWN
- BRANCH CIRCUIT CONCEALED IN WALLS OR CEILING
- BRANCH CIRCUIT CONCEALED UNDER FLOOR OR FINISHED GRADE
- GROUND WIRE
- BREAKGLASS STATION
- THERMAL DETECTOR
- IONIZATION DETECTOR, CEILING MOUNTED
- FIRE ALARM BELL
- FIRE ALARM ANNUCIATOR PANEL
- FIRE CONTROL CABINET
- SMOKE DETECTOR WALL MTD.
- FIRE ALARM PANEL (F.A.P.)
- WIREWAY
- UNDER FLOOR DUCT WITH JUNCTION BOXES.
- FLOW SWITCH CONNECTION
- TAMPER SWITCH CONNECTION
- MAGNETIC DOOR HOLDER/RELEASE CONNECTION
- ELECTRIC DOOR LATCH/LOCK CONNECTION
- PUSHBUTTON
- PRODUCTION LIGHTING CONTACTOR
- BANK
- STAGE PIN RECEPTACLE, 120VAC, 20 AMP. "W" SERIES PROVIDED BY DIVISION 16, OTHERS BY PRODUCTION LIGHTING CONTRACTOR. INSTALLATION BY DIVISION 16.
- RR RIGGERS REMOTE RECEPTACLE
- PLB PRODUCTION LIGHTING BOX
- GUB GRID JUNCTION BOX
- PLC CONNECTOR STRIP
- LIGHTING CONSOLE CONNECTION BOX
- LOW VOLTAGE SWITCHES WITH RELAYS AS INDICATED
- WORKLIGHT LOCAL DIMMER
- PLC PRODUCTION LIGHTING CONTACTOR
- A.F.F. ABOVE FINISH FLOOR
- T.P.C. THEATRE PROJECTS CONSULTANTS
- VOLUME CONTROL SINGLE GANG, SWITCH HEIGHT
- PRODUCTION COMMUNICATIONS CONNECTOR
- TECHNICAL FACILITIES PANEL - SEE SPECIFICATION PKG. - 12"x12"x4" BOX, 2" AFF FLUSH, UNLESS OTHERWISE NOTED
- EFFECTS LOUDSPEAKER OUTLET - 2 GANG OUTLET BOX AT +12" OR AS NOTED
- PRODUCTION COMMUNICATIONS STATION
- INFRA-RED HARD-OF-HEARING SYSTEM - 2 GANG OUTLET B'X.
- PAGE HORN - 2 GANG MOUNT ON HANDRAIL VERTICAL SUP'ORT
- PERMANENT EFFECTS LOUDSPEAKER
- EFFECTS LOUDSPEAKER OUTLET AND CONNECTORS, 2 GANG FLUSH FLOOR OUTLET BOX.
- BUILDING INTERCOM TELEPHONE
- INDICATES LOW VOLTAGE RELAY CONTROL OUT.



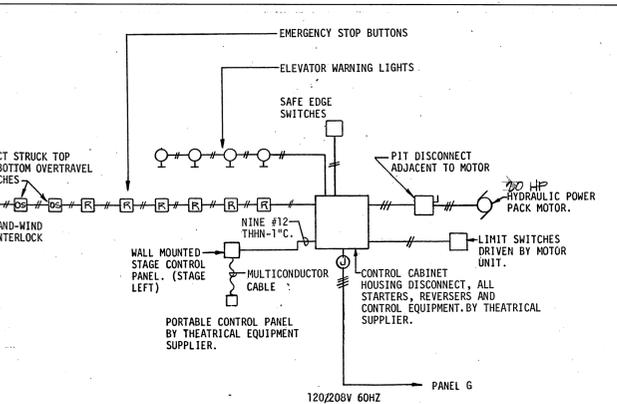
1 INTERMEDIATE SOUND CLUSTER ELECTRICAL SCHEMATIC

NOTE: VERIFY EXACT LOCATIONS AND CONNECTION WITH THEATRE EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.



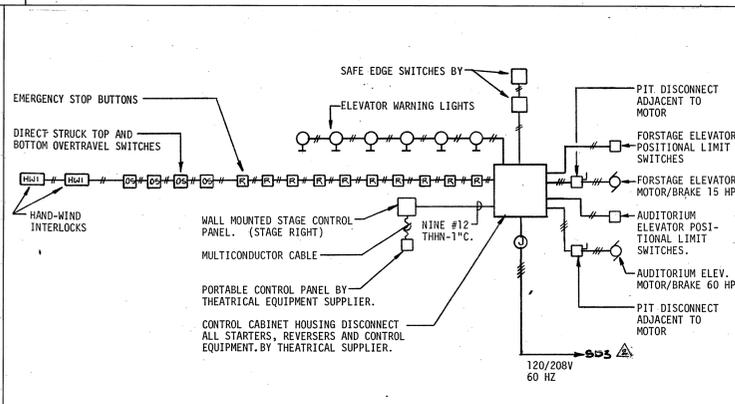
5 SHOWCASE HOUSE CURTAIN ELECTRICAL SCHEMATIC

NOTE: VERIFY EXACT LOCATIONS AND CONNECTIONS WITH THEATRE EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.



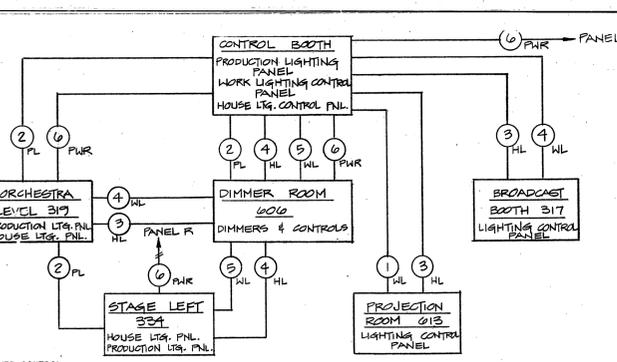
2 INTERMEDIATE FORSTAGE ELEVATOR ELECTRICAL SCHEMATIC

NOTE: VERIFY EXACT LOCATIONS AND CONNECTIONS WITH ELEVATOR SUPPLIER PRIOR TO ROUGH-IN.



6 SHOWCASE ELEVATOR ELECTRICAL SCHEMATIC

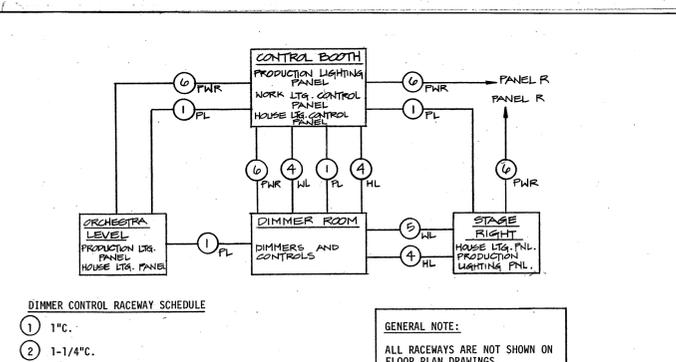
NOTE: VERIFY EXACT LOCATIONS AND CONNECTIONS WITH ELEVATOR SUPPLIER PRIOR TO ROUGH-IN.



- DIMMER CONTROL RACEWAY SCHEDULE
- ONE 1" EMT EMPTY RACEWAY
  - ONE - 1-1/4" EMT EMPTY RACEWAY
  - ONE - 1-1/2" EMT EMPTY RACEWAY
  - ONE 2" EMT EMPTY RACEWAY
  - TWO 2-1/2" EMT EMPTY RACEWAY
  - TWO 120 VOLT 20 AMP POWER CIRCUIT COMPLETE

3 INTERMEDIATE DIMMER/LIGHTING CONTROL RACEWAY ONE LINE DIAGRAM

REFER TO T.P.C. DRAWING 10-88



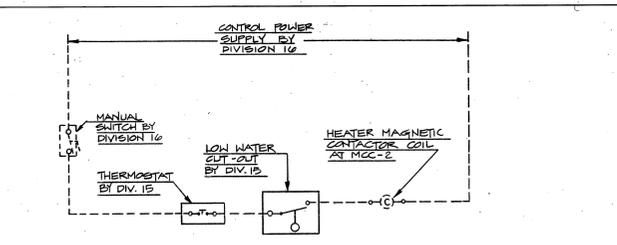
- DIMMER CONTROL RACEWAY SCHEDULE
- 1" C.
  - 1-1/4" C.
  - 1-1/2" C.
  - 2" C.
  - 2 - 2" C.
  - Two 120V CKTS.

GENERAL NOTE:  
ALL RACEWAYS ARE NOT SHOWN ON FLOOR PLAN DRAWINGS.

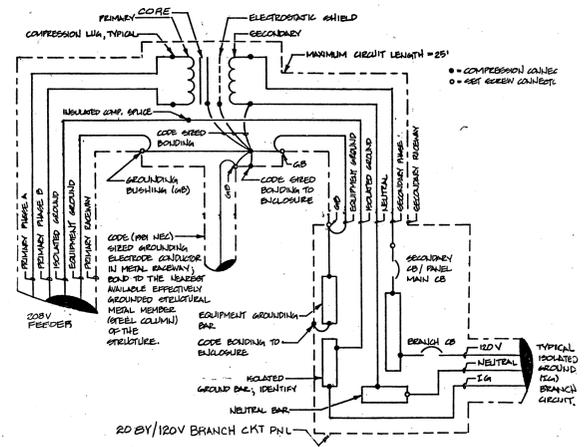
7 SHOWCASE DIMMER/LIGHTING CONTROL RACEWAY ONE LINE DIAGRAM

REFER TO T.P.C. DRAWING 10-88

BRANCH CIRCUIT	CONTROL CHANNEL	AREA COVERED	LOAD (WATTS)	REMARKS
1	1	1500	1500	LEVEL 91"
2	1	1500	1500	LEVEL 91"
3	1	1500	1500	LEVEL 91"
4	2	1500	1500	LEVEL 107/108"
5	2	1500	1500	LEVEL 107/108"
6	2	1500	1500	LEVEL 107/108"
7	3	1500	1500	LEVEL 115/116"
8	3	1500	1500	LEVEL 115/116"
9	3	1500	1500	LEVEL 115/116"
10	3	1500	1500	LEVEL 115/116"
11	3	1500	1500	LEVEL 115/116"
12	3	1500	1500	LEVEL 115/116"
13	4			SPARE
14	4	1500		LEVEL 129"
15	4	1500		LEVEL 129"
16	4	1500		LEVEL 129"
17	4	1500		LEVEL 129"
18	5			SPARE
19	5			SPARE
20	6	1500	1500	SPARE
21	6	1500	1500	SPARE
22	6	1500	1500	SPARE
23	6	1500	1500	SPARE
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95	6	1500	1500	SPARE
96	6	1500	1500	SPARE
97	6	1500	1500	SPARE
98	6	1500	1500	SPARE
99	6	1500	1500	SPARE
100	6	1500	1500	SPARE



4 COOLING TOWER WIRING DIAGRAM



9 BRANCH PANEL & DRY TYPE TRANSFORMER CONNECTION

WITH ISOLATED GROUND SINGLE PHASE ONLY SHOWN FOR CLARITY