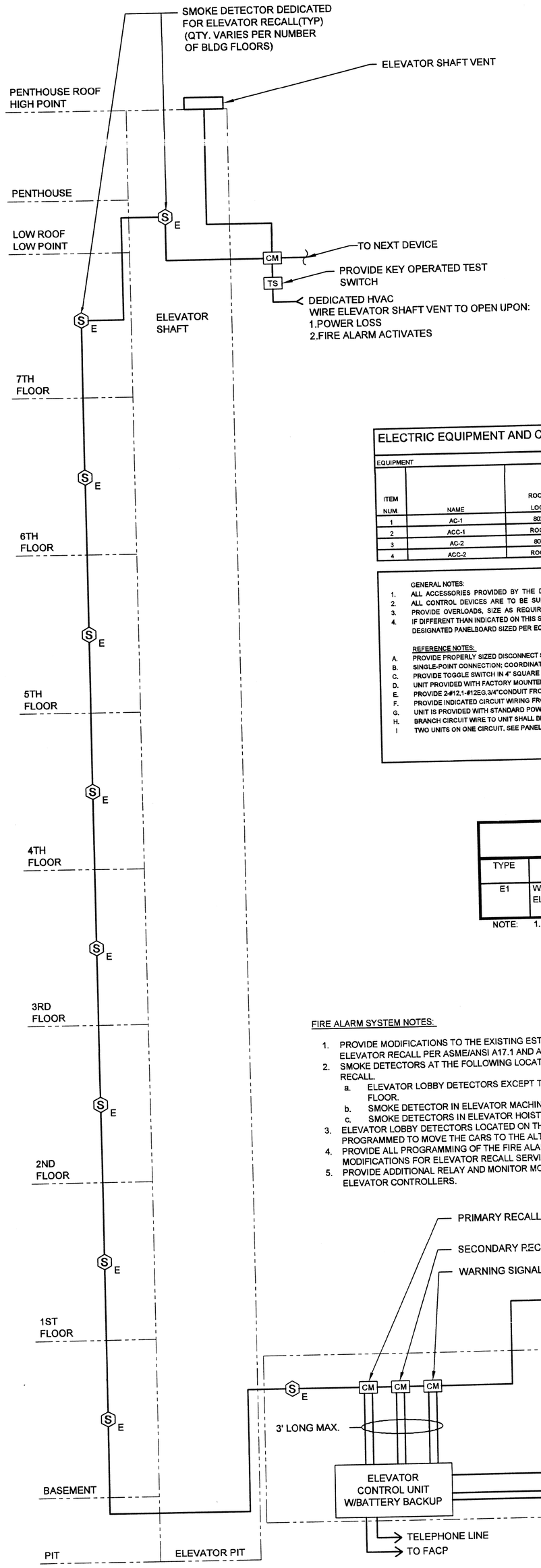


DRAWING NOTES

1. THE FOLLOWING NOTES APPLY TO ONLY THIS DRAWING.
2. FOR ELECTRICAL SYMBOLS LEGEND AND ELECTRICAL TRADE NOTES, REFER TO DRAWING E001.

ELECTRIC EQUIPMENT AND CONTROL SCHEDULE

EQUIPMENT ITEM NUM	NAME	ROOM LOC	HP	KW	PHASE	SYSTEM VOLTS	SUPPLY: PANEL OR CONTROL CENTER	SUPPLY: CIRCUIT BREAKER	POWER WIRING FROM PANEL TO CONTROL UNIT AND FROM CONTROL UNIT TO EQUIPMENT: PHASE	GND	CONDUIT	REF. NOTES	ACCESSORIES: DISCONNECT SWITCH	CONTROL DEVICES NOTES
1	AC-1	802		0.3	1	208	FED FROM ACC-1		2-#12	1-#12 EG.	3/4"C	-	PROVIDE	4
2	ACC-1	ROOF		5.2	1	208	P1	40/2	2-#8	1-#10 EG.	3/4"C	E	PROVIDE WP	4
3	AC-2	802		0.3	1	208	FED FROM ACC-2		2-#12	1-#12 EG.	3/4"C	-	PROVIDE	4
4	ACC-2	ROOF		5.2	1	208	P1	40/2	2-#8	1-#10 EG.	3/4"C	-	PROVIDE WP	4

GENERAL NOTES:
1. ALL ACCESSORIES PROVIDED BY THE DIVISION 16 CONTRACTOR, UON
2. ALL CONTROL DEVICES ARE TO BE SURFACE MOUNTED, UNLESS OTHERWISE NOTED.
3. PROVIDE OVERLOADS, SIZE AS REQUIRED, BY THE DIVISION 16 CONTRACTOR
4. IF DIFFERENT THAN INDICATED ON THIS SCHEDULE OR PANELBOARD SCHEDULE, PROVIDE NEW CIRCUIT BREAKER IN DESIGNATED PANELBOARD SIZED PER EQUIPMENT NAMEPLATE DATA.

REFERENCE NOTES:
- A. PROVIDE PROPERLY SIZED DISCONNECT SWITCH
- B. SINGLE-POINT CONNECTION; COORDINATE WITH MECHANICAL CONTRACTOR
- C. PROVIDE TOGGLE SWITCH IN 4" SQUARE BOX FOR EQUIPMENT SERVICE DISCONNECT
- D. UNIT PROVIDED WITH FACTORY MOUNTED DISCONNECT SWITCH
- E. PROVIDE 2-#12,1-#12EG,3/4"CONDUIT FROM OUTDOOR UNIT TO INDOOR UNIT AND TERMINATE WIRING AS REQUIRED
- F. PROVIDE INDICATED CIRCUIT WIRING FROM THE DISCONNECT TO CONTROLLER AND FROM CONTROLLER TO MOTOR
- G. UNIT IS PROVIDED WITH STANDARD POWER CORD. PROVIDE 5-20R RECEPTACLE AT EQUIPMENT LOCATION
- H. BRANCH CIRCUIT WIRE TO UNIT SHALL BE TYPE THE INSULATION.
- I. TWO UNITS ON ONE CIRCUIT, SEE PANEL SCHEDULE. PROVIDE 2#10,#10EG, 3/4"C BRANCH CIRCUIT TO UNITS

CONTROL DEVICES NOTES:
1. MANUAL MOTOR STARTER
2. COMBINATION MAGNETIC STARTER
3. VARIABLE SPEED DRIVE*
4. PACKAGED CONTROL UNIT
5. FIRE ALARM FAN SHUT DOWN
6. BOILER SHUTDOWN SWITCH & THERMAL CUTOUT

* SUPPLIED BY MECHANICAL CONTRACTOR, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR

PANELBOARD: P1

(EXISTING)

BUS SIZE: 100 AMPS
VOLTAGE: 208 Y/120V 3PH,4W
NEUTRAL: (X)100% ( )200% ( )NONE
ISOLATED GND BUS: ( )YES (X)NO
SHORT CIR. CURRENT RATING EXISTING

MAIN: (X)MCB ( )MLO
MCB AMPS:
LOCATION: HALL ELEV MACH RM
MOUNTING: SURFACE
TVSS: ( ) YES (X) NO

SERVICE RATED: ( ) YES (X) NO

DIRECTORY	WATTS OF LOAD L1	L2	L3	CKT BKR AMPS	POLES		CKT BKR AMPS	WATTS OF LOAD L1	L2	L3	DIRECTORY
EXISTING CIRCUIT				20	1	2	20				EXISTING CIRCUIT
EXISTING CIRCUIT				20	3	4	20				EXISTING CIRCUIT
EXISTING CIRCUIT				20	5	6	20				EXISTING CIRCUIT
EXISTING CIRCUIT				20	7	8	20				EXISTING CIRCUIT
EXISTING CIRCUIT				20	9	10	20				EXISTING CIRCUIT
EXISTING CIRCUIT				20	11	12	20				EXISTING CIRCUIT
EXISTING CIRCUIT				20	13	14	20				EXISTING CIRCUIT
EXISTING CIRCUIT				20	15	16	20				EXISTING CIRCUIT
EXISTING CIRCUIT				20	17	18	20				SPARE
EXISTING CIRCUIT				20	19	20	20				SPARE
ROOF RECEPTACLE	180			40	21	22	40				ACC-2
ACC-1		2600			23	24			2600		
										2600	
SUBTOTAL	180	2600	2600					0	2600	2600	SUBTOTAL

NOTES:
EXISTING PANELBOARD

TOTAL WATTS L1: 5200
TOTAL WATTS L2: 5200
TOTAL WATTS L3: 10580
TOTAL WATTS: 10580
TOTAL AMPS @ 100%: 29 AMPS
TOTAL AMPS @ 125%: 37 AMPS

TOTAL PANEL RECPT LOAD = 0 WATTS

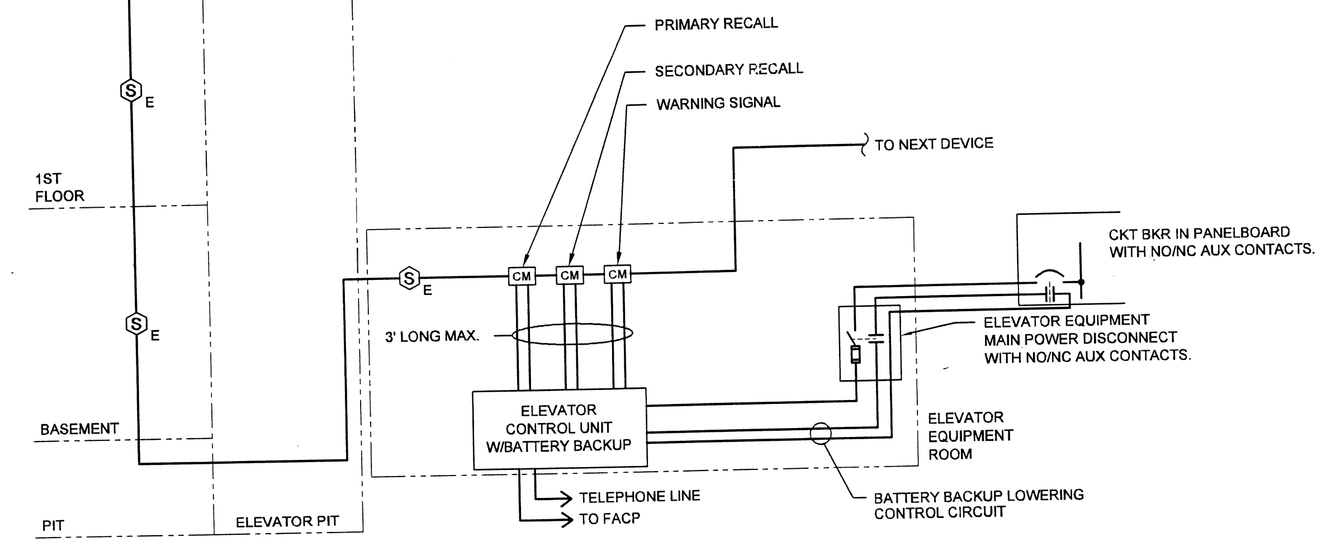
C.B. TYPE
S=SHUNT TRIP
L=LOCK ON C.B.
AF=AFCI
G=GFCI
H=HACR C.B.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	LAMPS QTY.	LAMPS TYPE	VOLT.	WATTS/ FIXT.	REMARKS	EQUIVALENT BY
E1	WALL MOUNTED COMPACT FLUORESCENT ELEVATOR PIT LIGHT	[CANLET] 6802-FWF-21-OG-01	1	28TRT	120	28	LEXAN POLYCARBONATE HOUSING, STONE GREY, GUARD ONLY, GLASS GLOBE UL1598A LISTED REPLACE AT EXISTING LIGHT FIXTURE. REWIRE AS NECESSARY	[RIG-A-LITE] [RAB LIGHTING]

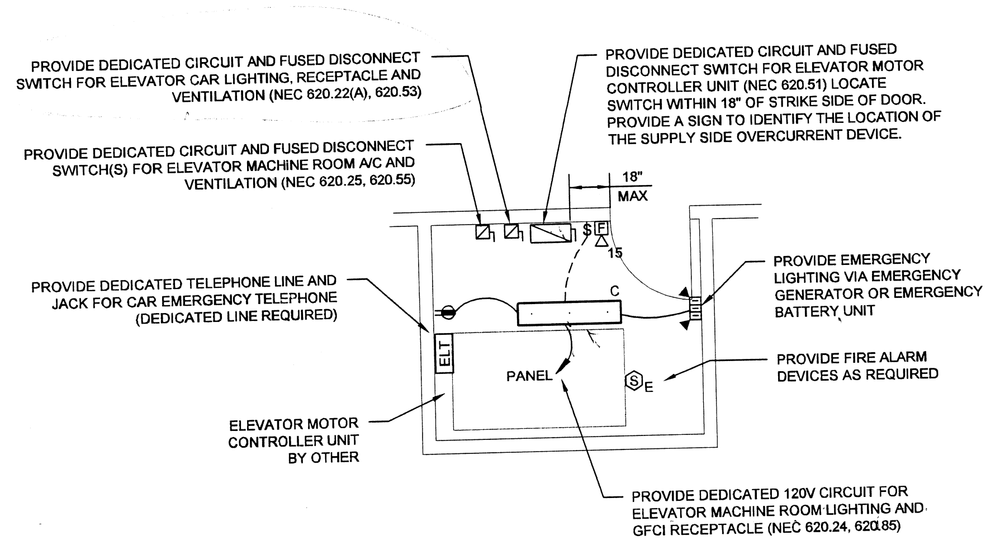
NOTE: 1. REFER TO SPECIFICATIONS FOR BALLAST AND LAMP INFORMATION

FIRE ALARM SYSTEM NOTES:
1. PROVIDE MODIFICATIONS TO THE EXISTING EST-3 FIRE ALARM SYSTEM TO PROVIDE FOR ELEVATOR RECALL PER ASME/ANSI A17.1 AND A17.3
2. SMOKE DETECTORS AT THE FOLLOWING LOCATIONS SHALL INITIATE AUTOMATIC ELEVATOR RECALL:
   a. ELEVATOR LOBBY DETECTORS EXCEPT THE LOBBY DETECTOR ON THE DESIGNATED FLOOR.
   b. SMOKE DETECTOR IN ELEVATOR MACHINE ROOM.
   c. SMOKE DETECTORS IN ELEVATOR HOISTWAY.
3. ELEVATOR LOBBY DETECTORS LOCATED ON THE DESIGNATED RECALL FLOORS SHALL BE PROGRAMMED TO MOVE THE CARS TO THE ALTERNATE RECALL FLOOR.
4. PROVIDE ALL PROGRAMMING OF THE FIRE ALARM SYSTEM TO ACCOMMODATE THE MODIFICATIONS FOR ELEVATOR RECALL SERVICE.
5. PROVIDE ADDITIONAL RELAY AND MONITOR MODULES REQUIRED TO INTERFACE TO THE ELEVATOR CONTROLLERS.



TYPICAL ELEVATOR/FIRE ALARM CONTROL WIRING DIAGRAM

NOT TO SCALE

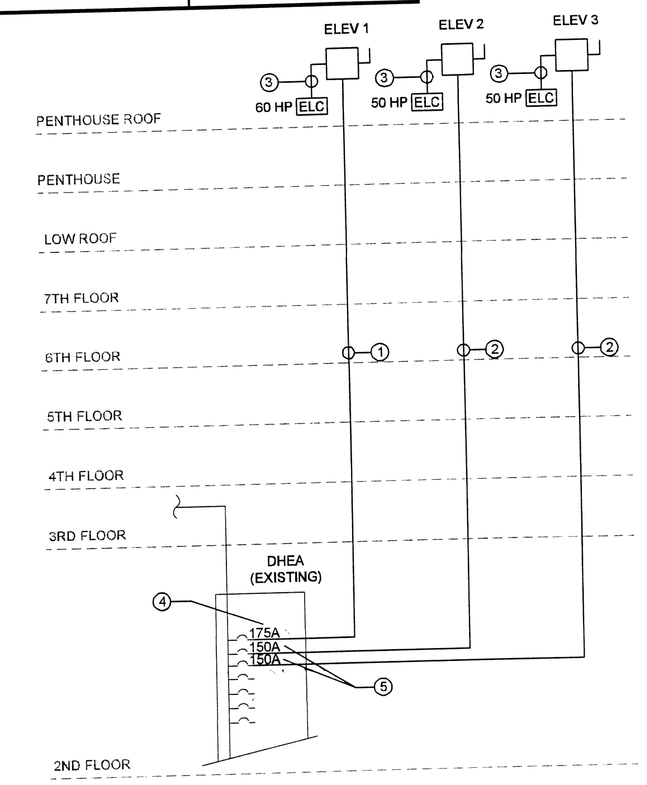


TYPICAL ELEVATOR MACHINE ROOM LAYOUT

NOT TO SCALE

ELEVATOR NOTES

1. THE INSTALLATION OF ELECTRICAL EQUIPMENT AND WIRING ASSOCIATED WITH ELEVATORS, DUMBWAITERS, ESCALATORS, MOVING WALKS, WHEELCHAIR LIFTS AND STAIRWAY LIFTS SHALL CONFORM WITH THE REQUIREMENTS OF THE CURRENT NATIONAL ELECTRIC CODE, ARTICLE 620 AND THE MOST RECENT VERSION OF THE SAFETY CODE FOR ELEVATORS AND ESCALATORS, ANSI/ASME A17.1.
2. THIS DETAIL PROVIDED FOR TYPICAL LAYOUT INFORMATION ONLY. REFER TO ELECTRICAL FLOOR PLANS FOR EXACT SHAPE OF MACHINE ROOM(S) AND FOR EQUIPMENT, DEVICES AND CIRCUITS REQUIRED FOR THIS PROJECT. COORDINATE FINAL LOCATION OF ALL EQUIPMENT WITH ELEVATOR EQUIPMENT VENDOR.



PARTIAL ELECTRICAL ONE-LINE RISER DIAGRAM

NOT TO SCALE

NOTES:
1. REPLACE EXISTING CONDUCTORS WITH 3#1, 1#6
2. REPLACE EXISTING CONDUCTORS WITH 3#2, 1#6
3. 3#10,1#6G, 2"C
4. REPLACE EXISTING CIRCUIT BREAKER AT CIRCUIT 1 WITH 200A-3P CIRCUIT BREAKER COMPATIBLE WITH EXISTING PANELBOARD.
5. REPLACE EXISTING CIRCUIT BREAKER AT CIRCUITS 2&3 WITH 175A-3P CIRCUIT BREAKER COMPATIBLE WITH EXISTING PANELBOARD.

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ISSUANCE:
PERMIT SET

REVISION:

As Bv. 1f
7-20-11

DATE: 11/12/10
SCALE: AS NOTED
DRAWN: CRN
CHECKED: PJC

SHEET INFO:
ELECTRICAL DETAILS, SCHEDULES & ONE-LINE RISER DIAGRAM

E201