ELECTRICAL SYMBOLS

REFER TO INTERIOR DESIGN DRAWINGS FOR SPECIFIC ELEVATIONS

S	SINGLE POLE SWITCH	S^{DS}	DOOR SWITCH
S^3	THREE WAY SWITCH	S^M	MOTOR SWITCH
S^4	FOUR WAY SWITCH	S^F	CEILING FAN CONTROL
S^D	DIMMER SWITCH	S^K	KEYED SWITCH

SWITCH NOTE: MOUNT ALL SWITCHES AT +48" TO CENTERLINE UNLESS NOTED OTHERWISE.

S^{OCC}	OCCUPANCY SENSOR SWITCH
OS	CEILING MOUNTED OCCUPANCY SENSOR
	208V RECEPTACLE
	DUPLEX RECEPTACLE, GROUND POLE UP
WP	WEATHERPROOF DUPLEX GFI RECEPTACLE, GROUND POLE UP
	SINGLE RECEPTACLE, 20-AMP, 125-VOLT EXCEPT AS NOTED
GFCI	DUPLEX GFI RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE, GROUND POLE UP

RECEPTACLE NOTES:
1. MOUNT ALL RECEPTACLES IN GUEST ROOMS AT 12" AFF TO CENTERLINE UNLESS NOTED OTHERWISE.
2. MOUNT ALL RECEPTACLES IN ACCESSIBLE GUEST ROOMS AT 18" AFF TO CENTERLINE UNLESS NOTED OTHERWISE.
3. MOUNT ALL RECEPTACLES IN COMMERCIAL AREAS AT 15" AFF TO CENTERLINE UNLESS NOTED OTHERWISE.

	DUPLEX FLUSH FLOOR OUTLET. PROVIDE 3/4"C. TO ACCESSIBLE CEILING.
	DOUBLE FLUSH DUPLEX FLOOR OUTLET. PROVIDE 3/4"C. TO ACCESSIBLE CLG.
	JUNCTION BOX
	WALKER RFB4 FLUSH FLOOR BOX W/ 20 AMP, 120 VOLT DOUBLE DUPLEX RECEPTACLE. PROVIDE 3/4"C. TO ACCESSIBLE CEILING FOR POWER AND 1"C. TO ACCESSIBLE CEILING FOR TELE/ DATA / AV CABLES (VERIFY LOCATION, TRIM AND COLOR WITH ARCHITECT)
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	MOTOR
	EQUIPMENT
	TELEPHONE OUTLET BOX
	COMBO TELEPHONE & DATA OUTLET BOX
	HOUSE PHONE
	FLUSH FLOOR TELEP./DATA OUTLET. PROVIDE 3/4"C. TO ACCESSIBLE CEILING
	FLUSH FLOOR TV OUTLET. PROVIDE 3/4"C. TO ACCESSIBLE CEILING.
	DATA CONNECTION
	DESK INTERCOM
	CEILING MOUNTED SPEAKER
	WALL MOUNTED SPEAKER
	BELL / STROBE INDICATOR
	TELEPHONE STROBE INDICATOR
	DOORBELL BUTTON
	TELEVISION ANTENNA OUTLET
EDF	ELECTRIC DRINKING FOUNTAIN
WP	WEATHERPROOF
AFF	ABOVE FINISHED FLOOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
+48"	CENTERLINE MOUNTING HEIGHT ABOVE FINISHED FLOOR
	DOOR LOCK FOR LINEN CHUTE
	CLOCK HANGER OUTLET

THE DISCONNECTING MEANS PROVIDED FOR THE ELEVATOR CONTROLLER SHALL COMPLY WITH THE REQUIREMENTS OF NEC 620-51. SHOULD THIS NOT COMPLY, A SEPARATE MEANS OF DISCONNECT, COMPLYING W/ NEC 620-51 SHALL BE INSTALLED.

CONTRACTOR SHALL COORDINATE ALL ELECTRICAL REQUIREMENTS FOR ELEVATOR AND ASSOCIATED EQUIPMENT WITH SELECTED ELEVATOR EQUIPMENT VENDOR, AND SHALL ADJUST AS NEEDED FOR COMPLETE INSTALLATION IN ACCORDANCE WITH ALL REQUIRED CODES.

1 ELEVATOR/STAIRWELL POWER & CONTROL RISER DIAGRAM

SCALE: NO SCALE

NOTE:

SCALE: NONE

RISR-ELEV FILENAME

ELEVATOR/STAIRWELL NOTES

1. HEAT DETECTOR(S) LOCATED IN THE SPRINKLED ELEVATOR EQUIPMENT ROOM AND ELEVATOR HOISTWAY SHALL ACTIVATE THE SPRINKLER SYSTEM BY OPENING THE SOLENOID WATER VALVE AND ALSO AUTOMATICALLY DISCONNECT THE MAIN SUPPLY POWER TO THE ELEVATOR CONTROLLER BY USING A SHUNT TRIP CIRCUIT BREAKER MOUNTED OUTSIDE OF THE ELEVATOR EQUIPMENT ROOM. THE HEAT DETECTORS SHALL BE SUPPLIED POWER FROM A SUPERVISED CIRCUIT FROM THE FIRE ALARM CONTROL PANEL. THERE SHALL BE (1) HEAT DETECTOR FOR EACH SPRINKLER HEAD LOCATED WITHIN 6" OF EACH HEAD.

2. SMOKE DETECTOR(S) SHALL BE LOCATED IN EACH ELEVATOR LOBBY, ASSOCIATED ELEVATOR HOISTWAY, AND I THE ELEVATOR EQUIPMENT ROOM. THE SMOKE DETECTORS SHALL BE SUPPLIED POWER FROM A SUPERVISED CIRCUIT FROM THE ALARM CONTROL PANEL IN SUCH A MANNER THAT UPON ACTIVATION OF A DETECTOR THE CAR WILL RETURN TO THE DESIGNATED LEVEL.

3. PROVIDE COMPLETE INSTALLATION OF ELEVATOR FIRE PROTECTION INCLUDING ALL MATERIALS AND LABOR REQUIRED TO COMPLY WITH THE LATEST EDITION OF :
"AMERICANS WITH DISABILITIES ACT"
"ASME/ANSI SAFETY CODE FOR ELEVATORS AND ESCALATORS"
"NATIONAL ELECTRICAL CODE"
"NATIONAL FIRE PROTECTION ASSOCIATION"
"STANDARD FIRE PREVENTION CODE"

4. SUBMIT TO LOCAL FIRE MARSHAL, COMPLETE OPERATIONAL SEQUENCE FOR APPROVAL.

5. PROVIDE ALL ASSOCIATED ELECTRICAL FOR FIREMAN'S ELEVATOR RECALL.

6. PANEL FOR ELEVATORS 1 AND 2 SHALL HAVE CIRCUITS FOR LOADS AS FOLLOWS:
20A CIRCUIT FOR ELEVATOR EQUIPMENT ROOM LIGHTING
20A CIRCUIT FOR ELEVATOR EQUIPMENT ROOM RECEPTACLES
20A CIRCUIT FOR ELEVATOR CAR LIGHTS (EA. CAR)
20A CIRCUIT FOR ELEVATOR CAR HVAC (EA. CAR)
20A CIRCUIT FOR ELEVATOR PIT LIGHT/GFI RECEPTACLE (EA. CAR)
20A CIRCUIT FOR ELEVATOR PIT SUMP PUMP (EA. CAR)
20A CIRCUIT FOR SPRINKLER AIR COMPRESSOR

7. PROVIDE ALL ASSOCIATED WIRING FOR ELEVATOR POWER AND CONTROLS. INCLUDING DISCONNECTING MEANS IN SIGHT OF MOTORS IN ACCORDANCE WITH THE REQUIREMENTS OF THE N.E.C.

8. PROVIDE SMOKE DETECTOR IN TOP OF EACH STAIRWELL.

9. PROVIDE ALL ASSOCIATED WIRING FOR SPRINKLER AIR COMPRESSOR(S).

10. PROVIDE TAMPER AND FLOW SWITCHES AT EACH LEVEL AS REQUIRED.

NOTE: OUTLET BOXES SHALL NOT BE INSTALLED "BACK TO BACK".

2 CMU WALL OPPOSITE WALL BOXES

SCALE: NO SCALE DET-0001

1. OUTLET BOXES LOCATED ON OPPOSITE SIDES OF A RATED WALL AND SEPARATED HORIZONTALLY BY NO LESS THAN 24", SHALL BE PROTECTED BY UL LISTED WALL OPENING PROTECTIVE MATERIAL 3M #MPP-4S MOLDABLE PUTTY PADS. INSTALLED IN ACCORDANCE WITH THE TESTED ASSEMBLY.

2. OUTLET BOXES SHALL NOT BE INSTALLED "BACK TO BACK".

3 RATED WALL BOX OUTLET SEPARATION

SCALE: NO SCALE DET-0001

LUMINAIRE SCHEDULE

CALLOUT	SYMBOL	LAMP	DESCRIPTION	MODEL	INPUT WATTS
B01		(2) 32W 32W T8	LENSED UTILITY FIXTURE	COLUMBIA AWW4-4-32-3E-U	70
B02		(4) 32W 32W T8	2' X 4' TROFFER WITH ACRYLIC LENS	COLUMBIA JT824-432G-FSA19-EU	120
B03		(2) 32W 32W T8	2' X 4' CABLE MOUNT WITH ACRYLIC LENS	COLUMBIA JT824-432G-FSA19-EU-C424	70
B04		(2) 13W DTT	STAIRWELL FIXTURE	PRECOLITE LF6CFH 213 EB 6CFH CL WT	29
B05		(1) 14W LED	WALL SCONCE	KENALL MLAS813PANPPCS14L30K-120	14
B06		(1) 25W 25W T8	SIDE MOUNT UTILITY STRIP WITH TUBE GUARDS	COLUMBIA DE3-125-U	30
B07		(3) 32W 32W T8	2' X 4' FIXTURE FOR OFFICES	coluimbia ste24-332g-mpo-eu	96
X		(1)	EDGE-LIT LED EXIT SIGN, PUBLIC AREAS, RECESSED MOUNT	DUAL-LITE LECSRNAI-URK	5
XS		(1)	EDGE-LIT LED EXIT SIGN, PUBLIC AREAS, SURFACE MOUNT	DUAL-LITE LESCSRNAI	5
XX		(1)	LED EXIT SIGN FOR BACK OF HOUSE AREA	DUAL-LITE LXURWI	5

REFER TO DRAWINGS AND SPECIFICATIONS BY KNLD and sheet ID-2.00 FOR ALL LIGHTING NOT INDICATED HEREIN

5 ACCESS./HEARING IMPAIRED RM DIAGRAM – DOOR BELL SYSTEM

SCALE: NO SCALE DTL-0002

SMOKE DETECTORS IN ALL GUEST ROOMS SHALL BE MOUNTED NO CLOSER THAN 4 INCHES TO CEILING & NO FURTHER THAN 12 INCHES FROM CEILING IF BEING MOUNTED ON THE WALL.

NAC MODULE WILL SUPERVISE THE WIRING FROM THE NAC MODULE TO THE HORN/STROBE UNIT.

GUEST ROOM FIRE ALARM RISERS

SCALE: NONE

4A ACCESSIBLE & HEARING IMPAIRED

4B SYSTEM STANDARD RMS

ALL STANDARD ROOMS SHALL BE PROVIDED WITH SMOKE DETECTOR WITH SOUNDER BASE CONNECTED TO MAIN FACP BOARD. HORN SHALL SOUND WHEN SMOKE DETECTOR ACTIVATES & ON GENERAL ALARM.

ALL ACCESSIBLE ROOMS SHALL BE PROVIDED WITH STANDARD SMOKE DETECTOR WITH STANDARD BASE & ADA APPROVED HORN/STROBE TO MATCH UNITS PROVIDED THROUGHOUT FACILITY. PROVIDE & CONNECT HORN/STROBE TO NAC MODULE SO HORN/STROBE ACTIVATES ON GENERAL ALARM AS WELL AS WHEN ROOM SMOKE ACTIVATES.

CONTRACTOR SHALL PROVIDE A COMPLETE, OPERATIONAL FIRE ALARM SYSTEM IN ACCORDANCE WITH ALL CODE AND MANUFACTURING REQUIREMENTS, INCLUDING DEVICES REQUIRED BY LOCAL CODE BUT NOT INDICATED HEREIN. SYSTEM SHALL INCLUDE ALL CONNECTIONS TO FLOW AND TAMPER SWITCHES AS WELL AS P.I.V. AND DUCT SMOKE DETECTORS FOR MECHANICAL UNITS.

HVAC NOTE:

ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A MANUAL SHUTDOWN SWITCH FOR EACH HVAC SYSTEM IN ACCORDANCE WITH NFPA 90A, SECTION 4-2. CONTRACTOR SHALL PROVIDE CLEAR MARKING OF THE FUNCTION OF EACH SWITCH. SWITCH SHALL BE LOCATED AS DIRECTED BY THE FIRE INSPECTOR. APPROXIMATE LOCATION OF EACH SWITCH IS INDICATED ON THE MECHANICAL PLANS.

CONDUIT NOTES:

1. CONDUIT SIZE SHALL BE INCREASED IN SIZE TO ACCOMODATE INCREASED CABLE AS ADDED. "HOMERUNS" SHALL BE MINIMUM 1-1/4".

2". IT IS NOT PERMISSIBLE TO INSTALL CABLE WITHOUT CONDUIT IN AREAS WITH INACCESSIBLE CEILING. CONTRACTOR SHALL PROVIDE PULL STRINGS IN ALL CONDUIT FOR TELEPHONE/TELEVISION VENDOR.

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Revisions:
1 13_10-14 Issue for Bid & Marriott Revw
2 13_10-21 Addendum #2
3 13_10-31 Addendum #3

Scale: As indicated

Date: 23 OCT 13

ELECTRICAL DETAILS

E5.01