



**ELECTRICAL GENERAL NOTES (APPLICABLE TO ALL DRAWINGS):**

- THE ELECTRICAL CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM AUTHORITIES HAVING JURISDICTION AND PAY ALL ASSOCIATED FEES.
- PRODUCE COORDINATION DRAWINGS OF THE MECHANICAL DUCTWORK AND ELECTRICAL RACEWAYS IN THE STORAGE ROOM AND THE AREA IMMEDIATELY OUTSIDE OF THE STORAGE ROOM IN COORDINATION WITH MECHANICAL TRADES. CONFIRM CODE MANDATED CLEARANCES AND MAINTENANCE ACCESS CLEARANCES. SUBMIT COORDINATION DRAWINGS FOR OWNER'S REVIEW PRIOR TO COMMENCING THE ROUGH-INS.
- LOCATE JUNCTION AND PULL BOXES AS REQUIRED TO ALLOW ACCESS AFTER EQUIPMENT AND APPERTANCES ARE INSTALLED. COORDINATE EXACT LOCATIONS WITH OTHER TRADES. COORDINATE LOCATIONS AND ELEVATIONS OF ELECTRICAL DEVICES WITH DRAWINGS AND OTHER TRADES PRIOR TO INSTALLATION.
- PROTECT PERMANENT BUILDING FINISHES FROM DAMAGE DURING CONSTRUCTION PERIOD. PROVIDE PLYWOOD OR SIMILAR MATERIAL UNDER EQUIPMENT OR MATERIALS STORED ON FLOORS, AND IN AREAS WHERE CONSTRUCTION MAY DAMAGE FINISHES, SURFACES OR FINISHES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE PRE-CONSTRUCTION STATE AT NO ADDITIONAL COST TO THE OWNER.
- WHERE DIRECTED TO USE OR RETAIN EXISTING CIRCUITS, AND THE CIRCUIT NUMBERS DIFFER FROM THE DRAWING, UPDATE DIRECTORIES AND RECORD DRAWINGS.
- FOR NEW PANELS AND EXISTING PANELS IMPACTED BY THE SCOPE OF WORK, PROVIDE UPDATED TYPEWRITTEN AND PRINTED DIRECTORIES UPON COMPLETION OF WORK.
- FOR 120V BRANCH CIRCUITS OVER 75' (25 METERS) IN LENGTH (TOTAL ONE WAY) FROM THE PANEL, THE ELECTRICAL CONTRACTOR SHALL CALCULATE THE VOLTAGE DROP AND PROVIDE AN APPROPRIATE CONDUCTOR SIZE TO ACHIEVE NO MORE THAN 3% MAXIMUM ALLOWABLE VOLTAGE DROP. WHERE EXISTING CIRCUITS' VOLTAGE DROP EXCEEDS 3%, CONTRACTOR SHALL PROVIDE NEW CIRCUITS OR MODIFY EXISTING CIRCUITS TO ACCOMMODATE THE VOLTAGE DROP.
- DO NOT SCALE THE DRAWINGS. PRIOR TO COMMENCING ROUGH-INS, COORDINATE ROUTING OF NEW SERVICES WITH EXISTING SERVICES AND OTHER TRADES TO AVOID INTERFERENCES. CAREFULLY INVESTIGATE CONDITIONS AFFECTING WORK AND EQUIPMENT, ARCHITECTURAL AND STRUCTURAL FEATURES SHALL BE AVOIDED.

**GENERAL SYMBOLS**

#	NOTE REFERENCE
#	EQUIPMENT REFERENCE
#	REVISION NUMBER
#	WIRING HOME RUN

**FIRE ALARM SYMBOLS**

F	FIRE ALARM MANUAL STATION
EH	FIRE ALARM ELECTRONIC HORN/SOUNDER/CHIME c/w STROBE
DS	FIRE ALARM SMOKE DETECTOR, DUCT MOUNTED
FAA	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
CACF	CENTRAL ALARM & CONTROL FACILITY

**ABBREVIATIONS**

EX	EXISTING DEVICE TO REMAIN
RE	REMOVE EXISTING DEVICE
RL	RELOCATE EXISTING DEVICE
ER	EXISTING DEVICE IN RELOCATED POSITION
RP	REPLACE EXISTING DEVICE WITH NEW DEVICE
AFF	ABOVE FINISHED FLOOR
BMS	BUILDING MANAGEMENT SYSTEM
GF	GROUND FAULT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
JB	JUNCTION BOX
TYP	TYPICAL
WP	WEATHERPROOF

**POWER PLAN SYMBOLS**

5-15R	DUPLEX 5-15R RECEPTACLE
5-15R GF	DUPLEX 5-15R RECEPTACLE C/W INTEGRAL GFCI PROTECTION
5-20R	DUPLEX 5-20R RECEPTACLE, T-SLOT
5-15R	TWO DUPLEX 5-15R RECEPTACLES
J	CEILING MOUNTED JUNCTION BOX
WJ	WALL MOUNTED JUNCTION BOX
K	KEYED SWITCH
PP	POWER PANELBOARD
P	PANEL (TYPE AS INDICATED - SECURITY, LIGHTING RELAY, ETC.)
M	MOTOR c/w DISCONNECT SWITCH
W	WALL MOUNTED SECURITY CAMERA
C	CONDUIT STUB
C	CONDUIT UP
C	CONDUIT DOWN

**SCHEMATIC SYMBOLS**

LVCB	LOW VOLTAGE CIRCUIT BREAKER
W	TRANSFORMER
T	TRANSFER SWITCH
G	GENERATOR
M	REVENUE METER
K	KEYED SWITCH
Δ	DELTA CONNECTION
Y	WYE CONNECTION
⊕	GROUND CONNECTION
PANEL N2A 42CCT	PANELBOARD

**LIGHTING PLAN SYMBOLS**

FL	FLUORESCENT STRIP LUMINAIRE, 4'
CS	CEILING MOUNTED EXIT SIGN (TEXT ON SHADED SIDES, ARROWS AS INDICATED)
WS	WALL MOUNTED EXIT SIGN (TEXT ON SHADED SIDES, ARROWS AS INDICATED)
LV	LINE VOLTAGE SWITCH (120V TO 347V)
LS	LOW VOLTAGE SWITCH
EB	EMERG. LTG. BATTERY PACK (# OF LAMPS AS SHOWN)
CS/EB	COMBINATION EXIT SIGN/EMERG. LTG. BATTERY PACK

**LIGHTING ANNOTATION LEGEND**

