

SINGLE LINE DIAGRAM LEGEND: EARTH GROUND CHASSIS GROUND TRANSFORMER - KVA, PRIMARY AND SECONDARY 45 KVA VOLTAGE INDICATED. CONNECTIONS, K-RATING, 480- \sim AND SHIELD SPECIFIED 208/120V K-13 **CURRENT TRANSFORMER** POTENTIAL TRANSFORMER DISCONNECT/LOADBREAK SWITCH CIRCUIT BREAKER CIRCUIT BREAKER DRAWOUT MOUNTED (LOW VOLTAGE) AUTOMATIC TRANSFER SWITCH (NORMAL POSITION SHOWN) ENCLOSED CIRCUIT BREAKER LIGHTNING ARRESTER FUSED DISCONNECT SWITCH PANEL PANELBOARD-RATINGS AS SPECIFIED IN SINGLE LINE 208-120V DIAGRAM AND ON PANELBOARD SCHEDULE 225A

COMMUNICATIONS LEGEND:

CEILING MOUNT LCD PROJECTOR

SPEAKER (LOCAL SOUND SYSTEM)

SPEAKER (PUBLIC ADDRESS) (NONE) CEILING MOUNTED

SPEAKER HORN

SPEAKER JACK

CLOCK

MICROPHONE JACK

VOLUME CONTROL

DOUBLE FACE CLOCK

INTERCOM STATION

FLOOR BOX

WALL BOX AS SPECIFIED

COMBINATION CLOCK AND SPEAKER

W WALL MOUNTED

TELEPHONE				
(NC	ONE)	STANDARD MODULAR JACK FOR TELEPHONE		
	W	WALL MOUNTED TELEPHONE MODULAR JACK		
	Р	PUBLIC TELEPHONE MODULAR JACK		
	С	COUNTER HEIGHT MODULAR JACK		
TEL	TELEPHONE FLOOR OUTLET			
DA	DATA OUTLET WITH FLUSH BOX AND FACEPLATE			
CC	COMPUTER FLOOR OUTLET			
CC	COMBINATION TELEPHONE CABLE AND DATA OUTLETS			
WIF	WIRELESS ACCESS POINT			
DA	DATA RACK			
CC	AX C	ABLE (TYPE F CONNECTOR)		

3'-0'' **-**

DEVICE EXCEPT EXIT SIGNS.

SECURITY LEGEND:			
KP	SECURITY KEY PAD		
$\bigcirc \triangleleft$	VIDEO CAMERA		
VM	CCTV VIDEO MONITOR		
MD	PASSIVE INFRARED MOTION DETECTOR		
PR	PROXIMITY CARD READER		
С	CALL SWITCH		
DC	DOOR CONTACT		
WC	WINDOW CONTACT		
ES	ELECTRIC STRIKE DOOR RELEASE		
ML	MAGNETIC DOOR RELEASE		
РВ	PANIC BUTTON		

REMOTE DOOR RELEASE

DOOR POWER OPERATOR

FIRE/LIFE SAFETY LEGEND:

FIRE ALARM PULL STATION KEYED FIRE ALARM PULL STATION FIRE ALARM BELL

FIRE ALARM HORN

FIRE ALARM HORN AND STROBE COMBINATION

FIRE ALARM HORN AND STROBE COMBINATION, WEATHER PROOF

FIRE ALARM SPEAKER

FIRE ALARM SPEAKER - CEILING MOUNTED

FIRE ALARM SPEAKER AND STROBE COMBINATION

FIRE ALARM STROBE

FIRE ALARM STROBE - CEILING MOUNTED

SMOKE DETECTOR

SMOKE DETECTOR WITH WIRE GUARD

CARBON MONOXIDE DETECTOR

NATURAL GAS SENSOR

HEAT DETECTOR

COMBINATION SMOKE/HEAT DETECTOR

HEAT DETECTOR - 190° FIXED TEMPERATURE

HEAT DETECTOR - EXPLOSION PROOF

BEAM SMOKE DETECTOR TRANSMITTER

BEAM SMOKE DETECTOR RECEIVER

DUCT DETECTOR

SA INDICATES INSTALLATION IN SUPPLY AIR RA INDICATES INSTALLATION IN RETURN AIR

REMOTE TEST STATION FOR DUCT DETECTOR

FIRE ALARM SHUT DOWN RELAY

FIRE DOOR HOLD OPEN

TAMPER SWITCH

FIRE SUPRESSION ANSUL SYSTEM CONNECTION

SMOKE DAMPER RELAY CONNECTION SD/FD SMOKE DAMPER AND FIRE DAMPER SD SMOKE DAMPER

CONTROL MODULE, ADDRESSABLE

AREA OF RESCUE CALL STATION

AREA OF RESCUE MASTER TELEPHONE STATION

TYPICAL DEVICE MOUNTING HEIGHTS DETAIL PROVIDE PENDANT WHERE HUNG CEILING OR STRUCTURE EXCEEDS 8'-6"AFF. EXIT SIGN FIRE ALARM AUDIO/VISUAL DEVICES -MOUNT HORN/LIGHT OR LIGHT SO THAT BOTTOM OF LENS IS 80" A.F.F. UNLESS OTHERWISE NOTED -WALL TELEPHONES -SWITCHES FIRE ALARM PULL STATION -RECEPTACLES FINISHED FLOOR . ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM FINISHED FLOOR TO CENTERLINE OF

2. DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE. 3. ALL DEVICES SHALL BE INSTALLED AT MOUNTING HEIGHTS AS INDICATED ON THIS DETAIL

4. "C" ADJACENT TO DEVICE INDICATES DEVICE SHALL BE MOUNTED ABOVE COUNTER BACKSPLASH.

NOTE:

SYMBOLS SHOWN ON THIS ELECTRICAL SYMBOLS LIST ARE FOR REFERENCE PURPOSES ONLY. ALL OF THESE SYMBOLS MAY NOT BE USED FOR THIS PROJECT.

LIGHT FIXTURE LEGEND:

LIGHTING FIXTURE

(SEE LIGHTING FIXTURE SCHEDULE FOR LETTER DESIGNATION AND DESCRIPTION OF FIXTURES)

EMERGENCY AND/OR NIGHT LIGHT LIGHTING FIXTURE

EXIT LIGHTING FIXTURE UNIVERSAL MOUNT, SINGLE/DOUBLE FACE (WHERE USED, ARROW INDICATES CHEVRON DIRECTION)

 \Box BATTERY POWERED EMERGENCY LIGHT

EMERGENCY LIGHT REMOTE HEAD TRACK LIGHTING

POLE MOUNTED LIGHTING (QUANTITY AND ORIENTATION OF HEADS AS SHOWN)

 \bigcirc S OCCUPANCY SENSOR - CEILING MOUNTED

OSW OCCUPANCY SENSOR - WALL MOUNTED

LIGHTING CONTACTOR

PHOTOCELL

PANEL LEGEND:

EXISTING ELECTRICAL PANEL

NEW ELECTRICAL PANEL MDP MAIN DISTRIBUTION PANEL

LVP LOW VOLTAGE PANEL HVP HIGH VOLTAGE PANEL

LIGHTING CONTROL PANEL IG ISOLATED GROUND PANEL

MSB MAIN SWITCH BOARD

AUTOMATIC TRANSFER SWITCH

MCC MOTOR CONTROL CENTER TVSS TRANSIENT VOLTAGE SURGE SUPPRESSION

ELECTRICAL SYSTEMS PANEL

SACP SECURITY ALARM CONTROL PANEL FACP FIRE ALARM CONTROL PANEL

PA PUBLIC ADDRESS CONTROL PANEL

FAAP FIRE ALARM ANNUNCIATOR PANEL

ELECTRICAL EQUIPMENT LABELING PLACARD

PROVIDE NEW ENGRAVED LABEL PLACARD FOR ALL ELECTRICAL PANELS, TRANSFORMERS, DISCONNECTS, TRANSFER SWITCHES, AND OTHER DISTRIBUTION EQUIPMENT IN THE FACILITY WITH EQUIPMENT NAME/DESIGNATION SHOWN ON THE PROPOSED RISER DIAGRAM. PLACARD TYPE AND COLOR SHALL BE PER SPECIFICATIONS AND SHALL CONTAIN THE FOLLOWING INFORMATION:

LINE 1 - EQUIPMENT NAME

LINE 2 - VOLTAGE AND PHASE LINE 3 - WHERE EQUIPMENT IS FED FROM

EXAMPLE:

PANEL "H1" 480Y/208V-3Ø-4W FED FROM "MSB"

GENERAL ELECTRICAL NOTES:

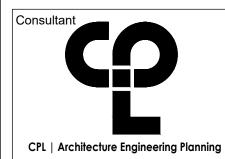
- 1) ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRIC CODE (NFPA 70).
- 2) CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND COORDINATE WITH EXISTING EQUIPMENT PRIOR TO BIDDING. **BUILDING:**
- 3) ALL CONDUIT AND WIRING TO BE CONCEALED IN WALLS, FLOOR, OR ABOVE CEILINGS UNLESS OTHERWISE NOTED OR APPROVED BY THE ARCHITECT/ENGINEER. ALL DEVICE OUTLET BOXES SHALL BE RECESSED UNLESS OTHERWISE NOTED OR APPROVED BY THE ARCHITECT/ENGINEER. WHERE APPROVED OR NOTED, SURFACE METAL RACEWAY AND DEVICE BOXES SHALL BE USED IN-LIEU OF CONDUIT AND CONCEALED BOXES AT NO EXTRA COST TO THE OWNER.
- 4) ALL CONDUIT ROUTES SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL FIELD VERIFY FINAL ROUTE.
- 5) CONDUIT RUNS SHOWN ARE SCHEMATICAL AND DO NOT INDICATE THE NECESSARY FITTINGS AND JUNCTION BOXES THAT ARE INCLUDED IN THE SCOPE OF THE WORK.

GROUNDING:

6) ALL METAL RACEWAYS, INCLUDING CONDUIT, WIRE TROUGHS, WIREMOLD, ETC., SHALL BE GROUNDED. ALL CONNECTIONS IN METAL RACEWAYS SHALL BE COMPLETED IN SUCH A MANNER AS TO MAINTAIN A CONTINUOUS PATH TO GROUND THROUGHOUT THE ENTIRE LENGTH OF THE RACEWAY.

WIRING:

7) UNLESS NOTED OTHERWISE ON THE DRAWINGS OR ON THE EQUIPMENT WIRING SCHEDULE, EACH BRANCH CIRCUIT SHALL BE THREE (3) #12 AWG THHN/THWN (1 HOT, 1 NEUTRAL & 1 EQUIPMENT GROUND) IN 3/4" EMT CONDUIT. PROTECT EACH CIRCUIT WITH A 20 AMPERE, 1-POLE OVERCURRENT DEVICE UNLESS OTHERWISE NOTED. PROVIDE #10 AWG FOR 120V BRANCH CIRCUITS LONGER THAN 100 FEET. COMBINED NEUTRALS ARE

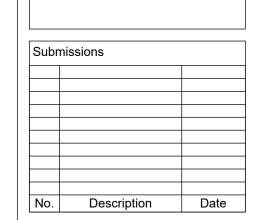


RTEXT: file open error CPLteam.com

NY ENGINEERING FIRM CERTIFICATE #018330

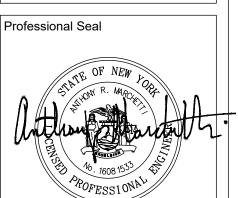
S ET 60 M Ω

RAR) RFB 50 N OUG EMP



© TINKELMAN ARCHITECTURE PLLC | 2023 R ANY PORTION THEREOF IS PROHIBITED WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT. UNAUTHORIZED ALTERATION OR ARCHITECT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE





LICENSE EXPIRATION DATE: 05/31/2024 ELECTRICAL SYMBOLS LEGEND AND NOTES

C2349.00 01/18/2024

E000