

ELECTRICAL DEMOLITION GENERAL NOTES

- A. PLANS DO NOT ATTEMPT TO SHOW ALL DEMOLITION ITEMS. SOME LIGHT FIXTURES, SWITCHES/DIMMERS, EXIT LIGHTS, RECEPTACLES, TELEPHONE, DATA, MISC. OUTLETS ARE SHOWN FOR INFORMATION PURPOSE. HOWEVER, THE ITEMS SHOWN ARE NOT NECESSARILY COMPLETE. ELECTRICAL CONTRACTOR (E.C.) TO FIELD VERIFY ALL DEMOLITION ITEMS AND PROVIDE REMOVAL OF ALL DEVICES ACCORDINGLY. SEE RELATED NOTES ON MAINTAINING SERVICE TO NON-DEMOLITION AREAS. E.C. SHALL REMOVE ALL EXISTING LIGHTING FIXTURES, ASSOCIATED SWITCHES/DIMMERS, EXIT LIGHTS, RECEPTACLES, TELEPHONE, DATA, MISC. OUTLETS WHERE SHOWN IN DEMOLITION AREAS. REMOVE CONDUIT/WIRE BACK TO PANEL(S) UNLESS RE-USED FOR NEW AND/OR RELOCATED WORKS. EXISTING CONDUIT/WIRE WITH ADEQUATE CAPACITY FOR NEW AND/OR EXISTING LOADS MAY BE RE-USED. SIMILARLY FOR COMMUNICATION SYSTEM CONDUIT/WIRE (REMOVE BACK TO CONTROL PANEL(S) IF NOT RE-USED). LIGHT FIXTURES IN GOOD CONDITION MAY BE RE-USED IF SO INDICATED ON DRAWINGS. LIGHT FIXTURES TO BE RE-USED SHALL BE RE-LAMPED AND CLEANED. REPLACE BALLASTS IF NOISY OR INOPERATIVE. E.C. TO EXAMINE CONDITION OF ALL EXISTING BALLASTS. IF ANY BALLASTS ARE SUSPECTED TO CONTAIN PCB'S, DO NOT DISPOSE OF; SET SUCH ASIDE AND NOTIFY OWNER FOR AUTHORIZED REMOVAL. REMOVE SUCH BALLASTS IN STRICT COMPLIANCE WITH FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES. BALLASTS DATED PRIOR TO 1976 OR NOT SPECIFICALLY MARKED "NO PCB'S" SHALL BE CONSIDERED TO CONTAIN PCB'S. FIXTURES NOT INDICATED FOR RE-USE SHALL BE DELIVERED TO A LOCATION TO BE SPECIFIED BY OWNER. ALL FIXTURES UPSTREAM OR DOWNSTREAM OF DEMOD FIXTURES AND ON THE SAME CKTS SHALL BE RECONNECTED TO MAINTAIN SERVICE. PROVIDE NEW CONDUIT/WIRE AS REQ'D.
- B. DAMAGE TO EXISTING MATERIALS/EQUIPMENT WILL BE REPAIRED AT NO ADDITIONAL COST TO OWNER. RE-SUPPORT ANY REMAINING CONDUIT OR DEVICE THAT WERE SUPPORTED BY WALLS/MILLWORK BEING REMOVED.
- C. NON-DEMOLITION AREAS: DEMOLITION WORKS SHALL NOT AFFECT AREAS NOT INCLUDED IN DEMOLITION. E.C. SHALL BE RESPONSIBLE FOR THE CONTINUITY OF ALL SERVICES (POWER, TELEPHONE, FIRE ALARM, DATA) IN NON-DEMOLITION AREAS. ALL SERVICES SHALL BE MAINTAINED AT ALL TIMES. ELECTRICAL CONTRACTOR (E.C.) SHALL MAINTAIN SERVICE BY EXTENDING, REROUTING AND/OR RE-CONNECTING ANY CIRCUITS AFFECTED BY DEMOLITION. PROVIDE ADDITIONAL CONDUIT/WIRE AS REQUIRED TO MAINTAIN SERVICE. CIRCUITS IN NON-DEMOLITION AREAS THAT ARE CONNECTED TO DEMOD PANELS AND/OR CIRCUITS SHALL BE RE-CIRCUITED TO A NEW SUB-PANEL (FURNISHED AND INSTALLED BY E.C., SIZE AS REQUIRED) IF SPACES/SPARES ARE NOT AVAILABLE IN ANY NEW PANELS IN RENOVATION AREAS. PROVIDE TEMPORARY POWER AS REQUIRED DURING CHANGE-OVER TO MAINTAIN CONTINUOUS SERVICE. PROVIDE TEMPORARY POWER FOR ALL RELOCATED CIRCUITS AS REQUIRED TO MAINTAIN CONTINUOUS SERVICE. SIMILARLY FOR FIRE ALARM, SECURITY, DATA SYSTEM.
- D. E.C. SHALL FIELD INVESTIGATE EXISTING ELECTRICAL INSTALLATION. ALL EXISTING INSTALLATION IN THE RENOVATION AREAS THAT ARE TO REMAIN BUT ARE NOT CURRENTLY IN COMPLIANCE WITH CURRENT CODES SHALL BE CORRECTED BY E.C., INCLUDING BUT NOT LIMITED TO THE FOLLOWINGS:
 - a. UN-SUPPORTED CONDUIT AND JUNCTION BOXES LAYING ON TOP OF CEILING TILES, CONDUIT AND/OR JUNCTION BOXES SUPPORTED ONLY BY TIE-WIRE. RAISE AND SUPPORT CONDUIT WITH STRAP PER SPECS. PROVIDE NEW CONDUIT/WIRE AS REQUIRED.
 - b. CIRCUITS WITHOUT A SEPARATE GREEN GROUNDING WIRE - INSTALL A GREEN GROUNDING WIRE FOR EVERY RECEPTACLE OUTLET AND DEVICES. INSTALLATION OF THE GREEN GROUNDING WIRE MAY REQUIRE THE REMOVAL OF EXISTING WIRES. PROVIDE NEW WIRE AS REQUIRED.
 - c. FIXTURES IMPROPERLY SUPPORTED OR INADEQUATELY SUPPORTED BY DEVICE BOXES - PROVIDE PROPER SUPPORT PER N.E.C.
 - d. SEAL ALL PENETRATIONS THROUGH RATED FLOORS/WALLS/CEILING/PARTITIONS WITH UL LISTED FIRESAFEG MATERIAL.
- E. ALL EXISTING ABANDONED AND/OR UN-USED CONDUIT/WIRE, SWITCHES/STARTERS, J-BOXES, COMMUNICATION SYSTEM AND DEVICES IN PROJECT AREAS SHALL BE REMOVED BACK TO PANELS AND/OR CONTROL PANELS. ALL ITEMS DEMOD BY E.C. SHALL BE REMOVED BACK TO PANELS AND/OR CONTROL PANELS.
 - a. EMERGENCY AND NORMAL POWER CIRCUITS IN THE SAME CONDUIT - PROVIDE SEPARATION OF EMERGENCY AND NORMAL CIRCUITS AND INSTALL IN SEPARATE CONDUIT.

LIGHTING GENERAL NOTES

- A. REFER TO ARCH. REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL FIXTURES.
- B. VERIFY COLOR OF ALL FIXTURES WITH ARCHITECT/OWNER.
- C. DRAWINGS DO NOT SHOW DETAILS OF FIXTURE MOUNTING. ELECTRICAL CONTRACTOR TO PROVIDE ALL NECESSARY AND REQUIRED MOUNTING HARDWARE AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM. SLOPED CEILING: PROVIDE SLOPED CEILING ADAPTORS AS REQUIRED FOR ALL FIXTURES INSTALLED IN SUCH CEILING.
- D. ALL LAMPS ARE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE (THIS APPLIES TO ALL NEW FIXTURES). REPLACE ALL BURNT OUT OR DEFECTIVE LAMPS AND BALLAST WITHIN 6 MONTHS AFTER ACCEPTANCE OF SUBSTANTIAL COMPLETION AT NO ADDITIONAL COST TO THE OWNER (THIS APPLIES TO NEW FIXTURES ONLY, NOT REUSED/EXISTING FIXTURES).
- E. ALL FIXTURES SHALL BE FACTORY PAINTED-AFTER-FABRICATION TYPE.
- F. IN GENERAL, ALL FIXTURES IN AREAS WITH LAY-IN CEILING ARE CONNECTED USING EMT CONDUIT AND 6-FT (MAXIMUM LENGTH) FIXTURE WHIP. ON PLAN DRAWINGS, FIXTURE CIRCUITING AND CONNECTION ARE SHOWN DIAGRAMMATICALLY WITH ARCS AND CURVES. SUCH DIAGRAMMATIC REPRESENTATION DOES NOT IMPLY OR INDICATE EXCLUSIVE USE OF ARMORED OR METAL CLAD CABLE (TYPE BX OR MC). ALL FIXTURE CONNECTION IN AREAS WITH LAY-IN CEILING SHALL BE MADE WITH CONDUIT AND WHIPS.
- G. LIGHTING CIRCUIT HOMERUNS SHALL BE RUN IN A COMMON CONDUIT TO THE EMS PANEL. PROVIDE APPROPRIATELY SIZED CONDUIT AND JUNCTION BOXES. PROVIDE DEDICATED NEUTRAL FOR EACH LIGHTING CIRCUIT. DEDICATED NEUTRAL SHALL BE INSTALLED FOR BRANCH WIRING WHERE DRIVER AND/OR BALLAST THD (TOTAL HARMONIC DISTORTION) EXCEEDS 10% OR WHERE UNKNOWN.
- H. EXISTING FIXTURES RELOCATED BY ELECTRICAL CONTRACTOR: PROVIDE NEW MOUNTING ACCESSORIES, PLASTIC FRAME, BRACKET BOXES, ETC., AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.
- I. EXISTING FIXTURES RE-USED BY ELECTRICAL CONTRACTOR: EXISTING FIXTURES INDICATED TO BE RE-USED SHALL BE CLEANED AND RE-LAMPED. ELECTRICAL CONTRACTOR TO EXAMINE CONDITION OF EXISTING BALLAST, REPLACE IF NOISY OR DEFECTIVE. ALL BALLAST DATED BEFORE 1976 ARE PRESUMED TO CONTAIN PCB AND SHALL BE REMOVED BY THE ELECTRICAL CONTRACTOR. DISPOSE OF SUCH BALLAST IN STRICT COMPLIANCE WITH APPLICABLE FEDERAL AND STATE LAWS AND LOCAL ORDINANCES. FIXTURES NOT INDICATED FOR RE-USE SHALL BE DELIVERED TO A LOCATION TO BE SPECIFIED BY OWNER. DISPOSE OF SUCH FIXTURES IF NOT NEEDED BY OWNER.

LIGHTING CONVERSION NOTES

1. FOR ALL EXISTING INTERIOR LINEAR FLOURESCENT FIXTURES, THE CONTRACTOR SHALL REMOVE THE EXISTING FLOURESCENT BULBS AND BALLAST AND INSTALL AN LED CONVERSION KIT PROVIDED BY FAMILY DOLLAR'S SUPPLIER (N.E.L.)
 - a. EXISTING 8' STRIP FIXTURES WITH TWO 4' LAMPS WILL BE CONVERTED TO TWO-LAMP LED (2 LAMPS END TO END).
 - b. EXISTING 4' STRIP FIXTURES WITH ONE LAMP WILL BE CONVERTED TO 1-LAMP LED.
 - c. EXISTING 2'x4' FIXTURES SHALL BE CONVERTED TO TWO-LAMP LED.
2. CONNECT EMERGENCY FIXTURES TO NEW UNIT BATTERY INVERTER OR SUPPLY WITH NEW BATTERY BACKUPS AS SHOWN ON ELECTRICAL LIGHTING PLAN ON THIS SHEET .
3. EXISTING LIGHTING BRANCH CIRCUITS ARE TO BE ROUTED THROUGH NEW EMS SYSTEM. 50% OF THE SALES FLOOR LIGHTING CIRCUITS TO BE ROUTED THROUGH 'CUSTOMER' CONTRACTOR. ALL SIGN, EXTERIOR LIGHTING, AND SITE LIGHTING TO BE ROUTED THROUGH 'EXTERIOR' CONTRACTOR. 50% OF THE SALES FLOOR LIGHTING CIRCUITS TO BE ROUTED THROUGH 'EMPLOYEE' CONTRACTOR. EVERY OTHER ROW TO BE ON 'CUSTOMER' CONTRACTOR TO PROVIDE UNIFORM, MULTI-LEVEL CONTROL.
4. ALL EXISTING EXTERIOR AND SITE LIGHTING SHALL BE HOOKED-UP, RE-LAMPED (ALL FIXTURES), FULLY TESTED AND REPAIRED AS REQUIRED, AND FULLY OPERATIONAL PRIOR TO COMPLETION.

POWER GENERAL NOTES

- A. REMOVE ALL UNUSED CABLING, WIRE AND CONDUIT IN THIS SPACE. TERMINATE CONDUITS OUTSIDE ELECTRICAL ROOM WITH A JUNCTION BOX. TURN BREAKER OFF AND UPDATE PANEL DIRECTORY TO INDICATE SPARE BREAKER AND DATE OF CHANGE.
- B. COORDINATE LOCATIONS OF ALL DEVICES AND JUNCTION BOXES WITH THE EQUIPMENT INSTALLER.
- C. CONTRACTOR SHALL NOT INSTALL MORE THAN THREE CIRCUITS (3 PHASE WIRES, 1 NEUTRAL + 1 GROUND) IN A COMMON CONDUIT, EXCEPT WHERE SPECIFICALLY NOTED AND ALLOWED. WHERE MORE THAN THREE CURRENT CARRYING CONDUCTORS (EXAMPLES: 3 PHASE WIRES + 1 CURRENT CARRYING NEUTRAL CONDUCTOR) ARE INSTALLED IN A COMMON CONDUIT, THE AMPACITY OF ALL CURRENT-CARRYING CONDUCTORS SHALL BE DERATED PER 2020 NEC ARTICLE 310.15 (B)(3)(A), PROVIDE COMMON TRIP BREAKERS FOR MULTIWIRE CIRCUITS PER NEC ARTICLE 210.4 (B).
- D. ELECTRICAL CONTRACTOR SHALL EXTEND ALL EXISTING SALES AREA PERIMETER RECEPTACLES TO THE KICK BASES IN TENANT'S SHELVING UNITS.
- E. ALL EXISTING DEVICES AND ASSOCIATED CIRCUITS (RECEPTACLES, HVAC EQUIPMENT, WATER HEATER, ETC.) ARE TO REMAIN AS INSTALLED.
- F. MC CABLE IS ALLOWED AS BUILDING STANDARD WHERE LOCAL CODE JURISDICTION WILL ALLOW. ALL MC CABLE SHALL BE RUN OVERHEAD, AND IN A NEAT AND ORGANIZED FASHION. WHERE CODE DOES NOT ALLOW MC CABLE, EMT SHALL BE USED. ALL EXPOSED CABLE AND CONDUIT SHALL BE RUN TIGHT TO CEILING CONSTRUCTION AND CONCEALED FROM VIEW WHEREVER POSSIBLE.
- G. CONTRACTOR SHALL VERIFY ALL REQUIREMENTS OF MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS AND SPECIFICATIONS, AND SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED BY THE CONTRACTOR FOR COMPLETE INSTALLATION.
- H. VERIFY LOCATION AND REQUIREMENTS OF MECHANICAL EQUIPMENT WITH CONTRACTOR, (DOOR HEATERS, UNIT HEATERS, ROOF TOP UNITS, TRANSFER FANS, ETC.).
- I. TELEPHONE: FURNISH AND INSTALL ALL NECESSARY CONDUIT, DEVICE BOXES, AND PLATES.
 - a. NEW TELEPHONE SERVICE TO TENANT'S SPACE. NEW TELEPHONE EQUIPMENT BOARD, COORDINATE WITH LANDLORD AND TELEPHONE CO. AS REQUIRED FOR INSTALLING THIS SERVICE.
 - b. FURNISH AND INSTALL 3/4" CONDUIT FROM EACH TELEPHONE OUTLET 1'-0" INTO CEILING CAVITY, OR UP TO JOIST WHERE NO CEILING IS INSTALLED.

CHECKOUT STATION POWER/DATA NOTES

- A. DATA AND POWER POLES TO BE FURNISHED WITH CHECKOUT CENTERS. POWER POLES SHALL BE INSTALLED AND WIRED BY CONTRACTOR.
- B. FIELD VERIFY LOCATION OF ALL POWER POLES AND JUNCTION BOXES WITH FID PROJECT MANAGER AND FDS "FINAL" SITE SPECIFIC FIXTURE PLAN PRIOR TO BEGINNING ROUGH-IN. JUNCTION BOXES SHALL BE LOCATED WITHIN 3' OF POWER POLES.
- C. LABEL ALL JUNCTION BOXES WITH CIRCUIT NUMBER AND DESCRIPTION AS SHOWN IN PANEL SCHEDULE.
- D. ALL DIRTY AND ISOLATED GROUND CIRCUITS SHALL HAVE DEDICATED NEUTRALS. DO NOT SHARE NEUTRALS.

COOLER/FREEZER CASES NOTES

- A. COOLERS/FREEZERS SHALL BE VENDOR SUPPLIED AND VENDOR INSTALLED.
- B. COOLERS/FREEZERS WILL BE 'HYBRID' UNITS WITH THE COMPRESSOR MOUNTED ON TOP OF THE CASE AND DO NOT REQUIRE AN OUTDOOR CONDENSING UNIT. REFRIGERATION SYSTEM IS PRE-PIPED AND PRE-TESTED IN THE FACTORY.
- C. COOLERS/FREEZERS WILL UTILIZE EVAP. AREA HEATERS/TRANSPIERS TO EVAPORATE CONDENSATE INTO THE AIR. THE EVAP. AREA HEATERS/PANS ARE MOUNTED ON TOP OF CASES. FACT OF CONDENSATE PANS. CONDENSATE PUMPS ARE USED TO PUMP THE CONDENSATE TO THE DRAIN/WAY HEATERS/PANS. NO PLUMBING FLOOR DRAINS REQUIRED.
- D. CONTRACTOR SHALL PROVIDE CONDUIT AND WIRE FROM ELECTRICAL PANEL TO 4x4 JUNCTION BOX IN WALL. CONTRACTOR SHALL PROVIDE 10" ELECTRICAL WHIP FROM JUNCTION BOX.
- E. COOLERS/FREEZERS VENDOR WILL CONNECT ELECTRICAL WHIP TO CASE DISCONNECT SWITCH.
- F. REFER TO FDS SITE SPECIFIC FIXTURE PLAN FOR DIMENSIONED LOCATIONS OF COOLER/FREEZER CASES, COMPRESSOR, AND JUNCTION BOX LOCATIONS PRIOR TO ELECTRICAL ROUGH-IN.
- G. IF REQUIRED BY LOCAL CODES, CONTRACTOR SHALL PROVIDE SAFETY GROUND CONNECTED DISCONNECT. CONTRACTOR SHALL CONFIRM WITH LOCAL BUILDING INSPECTOR PRIOR TO BEGINNING ELECTRICAL ROUGH-IN.

2015 IECC

- COMMISSIONING PLAN MUST BE DEVELOPED BY A REGISTERED DESIGN PROFESSIONAL OR APPROVED AGENCY. THE PLAN SHALL INCLUDE THE FOLLOWING ITEMS:
 - A NARRATIVE DESCRIPTION OF THE ACTIVITIES THAT WILL BE ACCOMPLISHED DURING EACH PHASE OF COMMISSIONING.
 - A LISTING OF THE SPECIFIC EQUIPMENT, APPLIANCES OR SYSTEMS TO BE TESTED AND A DESCRIPTION OF THE TESTS TO BE PERFORMED.
 - FUNCTIONS TO BE TESTED.
 - CONDITIONS UNDER WHICH THE TEST WILL BE PERFORMED.
 - MEASURABLE CRITERIA FOR PERFORMANCE

LIGHTING COMMISSIONING NOTES

- LIGHTING SYSTEM COMMISSIONING ACTIVITIES INCLUDE BUT SHALL NOT BE LIMITED TO:
 - SUBMITTAL REVIEWS
 - FIELD OBSERVATION
 - ENSURE ALL FIXTURES HAVE LAMPS AND ARE OPERATIONAL
 - TEST EMERGENCY LIGHTING (INCLUDING EXIT SIGNS)
 - ENSURE ALL OCCUPANCY & DAYLIGHT SENSORS HAVE BEEN INSTALLED PER THE MANUFACTURERS INSTRUCTIONS AND ARE OPERATING AS INTENDED.
 - VERIFY STATUS INDICATORS ON DEVICES ARE CORRECT.
 - CONFIRM SWITCHES AND DEVICES CONTROL LIGHT FIXTURES AS INDICATED ON THE DRAWINGS.
- THE LIST OF COMMISSIONED SYSTEMS INCLUDES, BUT SHALL NOT BE LIMITED TO:
 - LIGHT FIXTURES
 - EXIT SIGNS
 - EMERGENCY EGRESS LIGHTING
 - OCCUPANCY SENSORS
 - DAYLIGHT SENSORS
 - TIME-CLOCK & TIME-SWITCH CONTROLS
 - DIMMER SYSTEMS
 - BAS INTERFACE
- DOCUMENTATION CERTIFYING THE INSTALLED LIGHTING CONTROLS MEET DOCUMENTED PERFORMANCE CRITERIA OF SECTION C405 OF THE 2015 IECC ARE TO BE PROVIDED TO THE BUILDING OWNER WITHIN 90 DAYS OF THE RECEIPT OF THE CERTIFICATE OF OCCUPANCY.

ELECTRICAL LEGEND

All Symbols Shown Are Not Necessarily Used In This Project	
(E) - - - - -	Existing
(R) - - - - -	Relocated
(N) ———	New
(D) - - - - -	Demo
⊕	Duplex Receptacle, 20Amp, 125Volt, 2Pole, 3Wire, Grounding Type, NEMA 5-20R UNO.
⊕	Double (QUAD) Duplex Receptacle with Common Cover Plate. Similar to Duplex Receptacle.
⊕GF	Ground Fault Interrupter (GFI) Duplex Receptacle. Similar to Duplex Receptacle Above.
⊕GFWP	Ground Fault Interrupter (GFI) & Weatherproof (WP) Duplex Receptacle. Similar to Duplex Receptacle Above.
⊕	Dedicated receptacle, provide gray color (Confirm w/ architect) receptacle and cover plate, with intended usages of receptacles engraved on coverplate (E.G. "Copier"). Electrician shall confirm receptacle type required with owner/ecpm vendor prior to install.
▼	Data Outlet, Provide Back Box/Cover Plate, Install 3/4"C. with Bushing and Pull String, Stubbed to Accessible Ceiling.
⊕	Recessed Floor Box, Hubbell #S1PFB with S1SP sub-plate or equivalent and cover plate to match floor type. Provided with 1-1/2"C w/pullstring for data and 3/4"C for power in slab to nearest wall and stub to accessible ceiling. X-Ray slab prior to saw cut and patch as required.
■	Power Pole
ST	Signal Transformer, mounted 9'-0" A.F.F. in stock room.
⊕	Pushbutton switch mount 44" A.F.F. unless otherwise noted.
⊕	Bell, 4" diameter single mount vibration type 24 VAC 30VA, Edwards #556GS, Mount above ceiling.
⊕	Junction Box.
□	Electrical Panel Boards.
□	Disconnect Switch. All Switches Shall Be Heavy Duty Type (E.G. 30A/SP160V/NEMA).
---	Conduit Run Concealed in Wall or Ceiling
---	Conduit Run Concealed in Floor
---	Merom on Electrical Panelboards
▨	Multi-Service Surface Raceway (Two Compartment - Power and Technology)
⊕os	Eaton Neoswitch wall switch occupancy sensor. Model #ONW-D-1001-MV-NW
⊕	Photo sensor control relay on ceiling. Adjust for 80 FC for daylight harvesting. Sensor furnished with EMS system.
□	Daylighting Zone. Provide photocell sensor. All fixtures within zone shall be automatically dimmes as daylight levels rise.

Legend Notes:

1. The word "provide" as used in these drawings shall mean "materials and labor furnished and installed by Electrical Contractor".
2. Mounting height of all light switches, dimmers, receptacles, telephone, data and signal outlets shall be in accordance with the 'American with Disabilities Act'. Refer to detail. All mounting heights are measured from finished floor to center of device. Mounting heights shown on the architect drawings and specifications take precedence. Verify exact mounting height required with architect and install accordingly.

FIXTURE LEGEND

A	⊕
AE-1	⊕
AE-2	⊕
C	⊕
CE-1	⊕
CE-2	⊕
H	⊕
BE-1	⊕
BE-2	⊕
D	⊕
DE-1	⊕
DE-2	⊕
G	⊕
GE	⊕
E1	⊕
E2	⊕
w	⊕
F	⊕
x1	⊕

All Symbols Shown Are Not Necessarily Used In This Project

ELECTRICAL ABBREVIATIONS

(D)	Demo
(E)	Existing
(N)	New
(R)	Relocate
(RM)	Remove Existing Equipment
(RD)	Relocated Equipment
AC	Alternating Current
AF	Ampere Fuse
AFB	Above Finished Floor
AFG	Above Finished Grade
AHJ	Authority Having Jurisdiction
AIC	Ampere Interrupting Capacity
AMP	Ampere
AT	Ampere Trip
ATS	Automatic Transfer Switch
AWG	American Wire Gauge
C	Conduit
CB	Circuit Breaker
CFCI	Contractor Furnished Contractor Installed
CKT	Circuit
CLT	Ceiling
CT	Current Transformer
CU	Copper
DISC.	Disconnect
DIST.	Distribution
E.A.	Each
E.C.	Electrical Contractor
FA	Fire Alarm
FAAP	Fire Alarm Association Panel
FACP	Fire Alarm Control Panel
F.C.	Full Length
G.C.	General Contractor
GFI	Ground Fault Interrupter
GSRD	Galvanized Rigid Steel Hosepower
H	Intermediate Distribution Frame
IDF	Inverter Power System
JPB	Junction Box
KVA	Kilo-Volt-Ampere
KW	Kilowatt
LAN	Local Area Network
LTS	Lights
LTO	Lighting
MCB	Main Circuit Breaker
MDF	Main Distribution Frame
MLO	Main Lugs Only
MTD	Mounted
MTG	Mounting
NEC	National Electrical Code
NEMA	National Electrical Manufacturers Association
NF	Non-Fused
NTS	Not to Scale
OFCI	Owner Furnished Contractor Installed
OFCO	Owner Furnished Owner Installed
OC	Overcurrent
OCPP	Overcurrent Protection
P	Pole
PA	Public Address
PB	Push Button
PH	Phase
PNL	Panel
RCPT	Receptacle
REC	Receptacle
RECP	Receptacle
REQ'D	Required
SN	Solid Neutral
SPECS	Specifications
SPKR	Speaker
SWBD	Switchboard
SWGR	Switchgear
TEL	Telephone
TTB	Telephone Terminal Board
TVSS	Transient Voltage Surge Suppressor
TYP.	Typical
UC, U/C	Under Counter
U.N.O.	Unless Noted Otherwise
V	Volt
VA	Volt-Ampere
VSD	Variable Speed Drive
W	Watt or Wire
W	With
W/O	Without
WP	Weatherproof
XFMR	Transformer
XFR	Transfer

ELECTRICAL SHEET LIST

SHEET NUMBER	SHEET NAME
E-001	ELECTRICAL LEGENDS AND NOTES
E-002	ELECTRICAL SPECIFICATIONS
E-200	ELECTRICAL POWER PLAN
E-300	ELECTRICAL LIGHTING PLAN
E-301	ELECTRICAL LIGHTING CHECK
E-500	ELECTRICAL ONE-LINE DIAGRAM
E-600	ELECTRICAL SCHEDULES
E-601	ELECTRICAL SCHEDULES

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description			
by			
date			
mark			
revisions			

date	project	designed	JDP	JDP	DRY
03/04/2021	281603726.04				



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Order Plans

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ELECTRICAL LEGENDS AND NOTES