

ELECTRICAL GENERAL NOTES

1.

ALL ELECTRICAL WORK TO BE INSTALLED IN ACCORDANCE WITH THE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE ADOPTED BY THE UNIFORM CONSTRUCTION CODE - STATE OF NEW JERSEY AND ANY OTHER PARTY HAVING JURISDICTION.
2.

ALL ELECTRICAL MATERIALS AND EQUIPMENT FOR THE PROJECT SHALL BE NEW AND APPROVED BY UNDERWRITERS LABORATORY (U.L.) OR ANY OTHER NATIONALLY RECOGNIZED TESTING AGENCY UNLESS NOTED OTHERWISE ON DRAWINGS.
3.

ALL NECESSARY PERMITS, INSPECTIONS, AND LICENSES SHALL BE PROCURED AND ALL FEES PAID BY THE CONTRACTOR. SUBMIT TO THE OWNER DUPLICATE CERTIFICATES OF INSPECTION FROM THE APPROVED INSPECTION AGENCY.
4.

UPON COMPLETION OF THE WORK, THE ENTIRE WIRING SYSTEM SHALL BE FREE FROM GROUNDS, SHORT CIRCUITS, OPENS, OVERLOADS AND IMPROPER VOLTAGES.
5.

PRIOR TO FINAL ACCEPTANCE OF THE WORK, A WRITTEN STATEMENT SHALL BE SUBMITTED TO THE OWNER GUARANTEEING ALL EQUIPMENT AND SYSTEMS AGAINST DEFECTIVE MATERIAL AND WORKMANSHIP FOR ONE (1) YEAR FROM THE DATE OF ACCEPTANCE. UPON NOTICE ALL DEFECTIVE EQUIPMENT, MATERIALS AND SYSTEMS SHALL BE PROMPTLY REPAIRED AT NO EXPENSE TO THE OWNER.
6.

THIS SET OF DRAWINGS IS DIAGRAMMATIC IN NATURE AND INDICATES THE GENERAL ARRANGEMENT OF THE VARIOUS SYSTEMS AND APPROXIMATE LOCATIONS OF THE EQUIPMENT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THAT THERE IS ADEQUATE SPACE AT THE LOCATIONS INDICATED FOR ALL EQUIPMENT PRIOR TO INSTALLATION OF SAME. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL DIMENSIONS IN THE FIELD, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
7.

ELECTRICAL CONTRACTOR SHALL SECURE SHOP DRAWINGS FROM OTHER CONTRACTORS AND VERIFY EXACT ELECTRICAL CHARACTERISTICS OF EQUIPMENT TO BE WIRED PRIOR TO ROUGH-IN. IF DISCREPANCIES ARE NOTED BETWEEN THE ELECTRICAL CONTRACT DRAWINGS AND OTHER CONTRACTOR SHOP DRAWINGS, ELECTRICAL CONTRACTOR IS TO NOTIFY ENGINEER AT ONCE. FAILURE TO PERFORM THIS DUTY WILL NOT RELIEVE THE ELECTRICAL CONTRACTOR OF THE RESPONSIBILITY TO CORRECT WIRING DEFICIENCIES AT NO EXPENSE TO THE OWNER.
8.

ALL DEVICES OR EQUIPMENT SHOWN IN SYMBOL FORM SHALL BE WIRED TO ITS RESPECTIVE PANEL.
9.

FEEDER AND BRANCH CIRCUIT WIRING SHALL BE COPPER, 600 VOLT CONDUCTOR INSULATION TYPE THHN. THE MINIMUM SIZE 600 VOLT CONDUCTOR SHALL BE #12 AWG FOR POWER AND LIGHTING BRANCH CIRCUIT WIRING. THE MINIMUM SIZE CONDUIT SHALL BE 3/4". ALL CIRCUIT WIRING SIZES LARGER THAN #10 AWG SHALL BE STRANDED AND SMALLER CONDUCTORS SHALL BE SOLID. BRANCH CIRCUITS 100 TO 200 FEET IN LENGTH UTILIZING #12 AWG WIRE SHALL BE INCREASED TO #10 AWG TO THE CENTER OF THE CIRCUIT LOAD AND #12 WIRE TO THE REMAINING DEVICES BEYOND THE LOAD CENTER.
10.

ALL INTERIOR WIRING SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING OR METAL CLAD CABLE AND CONCEALED IN WALLS OR IN HUNG CEILING SPACE. WHERE WIRING CANNOT BE CONCEALED IN FINISHED AREAS, IT SHALL BE RUN EXPOSED IN A NEAT MANNER VIA SURFACE RACEWAY. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS NOTED OTHERWISE.
11.

ALL WIRING, CONNECTIONS AND DEVICES SHALL BE PROVIDED TO COMPLY WITH THE GROUNDING REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND THE DRAWINGS UNLESS NOTED OTHERWISE. ALL EXPOSED NON-CURRENT CARRYING ELECTRICAL EQUIPMENT METALLIC PARTS, RACEWAY SYSTEMS AND WIRING SYSTEM GROUNDING CONDUCTORS SYSTEM SHALL BE GROUNDED.
12.

PROVIDE A SEPARATE, GREEN-COLORED, INSULATED EQUIPMENT GROUNDING CONDUCTOR WITHIN EACH FEEDER AND BRANCH CIRCUIT RACEWAY. THIS CONDUCTOR SHALL BE SEPARATE FROM THE ELECTRICAL SYSTEM NEUTRAL CONDUCTOR. TERMINATE EACH END OF THIS GROUNDING CONDUCTOR ON A U.L. LISTED LUG, BUS OR BUSHING. THE GROUNDING CONDUCTOR SIZE SHALL BE IN ACCORDANCE WITH NEC, TABLE 250.122.
13.

THE ELECTRICAL CONTRACTOR SHALL LABEL WITH PERMANENT MARKER ALL JUNCTION BOXES AND RECEPTACLE OUTLET BOXES WITH CIRCUIT NUMBER AND PANEL IDENTIFICATION.
14.

ALL CUTTING AND PATCHING REQUIRED FOR THE ELECTRICAL WORK SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
15.

PANEL BOARD DIRECTORYS SHALL BE TYPED, AND UPDATED INDICATING NEW CIRCUITING AND DEVICE DESCRIPTION AS SHOWN ON DRAWINGS.
16.

ALL HOLES OR VOIDS CREATED TO ROUTE CONDUIT OR METAL CLAD CABLE THROUGH FIRE-RATED FLOORS, CEILINGS, AND WALLS SHALL BE PROTECTED WITH A 3-HOUR RATED, APPROVED FIRESTOP SYSTEM EQUAL TO 3M FIRE BARRIER CAULK, PUTTY, STRIP AND SHEET FORM, CAPABLE OF EXPANDING UP TO 8 TO 10 TIMES WHEN EXPOSED TO A TEMPERATURE OF 250 DEGREES FAHREHNEIT AND ABOVE. FIRESTOP SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ASME E814 (U.L. 1479) AND 2014 NEC ARTICLE 300.21.
17.

A COMPLETE SET OF "AS-BUILT" DRAWINGS, (1) SET IN HARD COPY REPRODUCIBLE AND (1) SET OF ELECTRONIC FILES PRODUCED IN AUTOCAD FORMAT 2004 (MIN.) SHALL BE FURNISHED TO THE OWNER AND ENGINEER UPON PROJECT COMPLETION.
18.

ALL EQUIPMENT, DEVICES AND CIRCUITS SHALL BE LABELED ACCORDING TO OWNER REQUIREMENTS.
19.

TWO OR THREE POLE CIRCUIT BREAKERS SHALL BE COMMON TRIP TYPE. SINGLE POLE BREAKERS WITH YOKED HANDLE WILL NOT BE PERMITTED.
20.

THE ELECTRICAL CONTRACTOR SHALL NOT UTILIZE A "COMMON NEUTRAL" ON MULTIPLE BRANCH CIRCUITS. EACH SUCH CIRCUIT SHALL BE RUN WITH ITS OWN DEDICATED NEUTRAL WIRE.
21.

ALL SYSTEM CABLE SHALL BE PLENUM RATED OR RUN IN CONDUIT. SYSTEM CABLE EXPOSED TO PHYSICAL DAMAGE SHALL BE RUN IN CONDUIT. SYSTEM CABLE LOCATED ABOVE ACCESSIBLE CEILINGS SHALL BE INDEPENDENTLY SUPPORTED FROM THE STRUCTURE. CABLES SHALL NOT BE LAID ON CEILING TILES.
22.

ALL WIRING AND EQUIPMENT INSTALLED IN DUCTS, PLENUMS AND OTHER AIR HANDLING SPACES TO CONFORM TO NEC, ARTICLE 300.22.
23.

THE ELECTRICAL CONTRACTOR SHALL ASSURE THAT ANY ELECTRICAL DEVICE OR PRODUCT WHICH IS TO BE RELOCATED OR REUSED IS IN PROPER WORKING CONDITION IN ACCORDANCE WITH INSTRUCTIONS INCLUDED IN ITS LISTING OR LABELING. ANY DEVICE OR PRODUCT FOUND TO BE DEFECTIVE OR DAMAGED SHALL BE REPLACED WITH NEW.
24.

SITE VISIT PRIOR TO BID SUBMISSION:

A.

PRIOR TO BID SUBMISSION, THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS. BIDS AS SUBMITTED WILL BE INTERPRETED TO INCLUDE ALL COSTS AND CHARGES MADE NECESSARY BY EXISTING CONDITIONS.

B.

ELECTRICAL CONTRACTOR SHALL VERIFY THE SIZE, LOCATION AND ELEVATION OF ALL SERVICES IN THE FIELD AFFECTED BY THIS WORK BEFORE PROCEEDING WITH CONSTRUCTION. NOTIFY THE CONSTRUCTION MANAGER IMMEDIATELY IN THE EVENT OF EXISTING UTILITIES VARY APPRECIABLY FROM THOSE SHOWN ON DRAWINGS.
25.

THERMAL OVERLOAD PROTECTION SHALL BE IN COMPLIANCE WITH MOTOR MANUFACTURER'S SPECIFICATIONS.
26.

WHERE CIRCUIT BREAKERS OR FUSES ARE APPLIED IN COMPLIANCE WITH THE SERIES COMBINATION RATINGS MARKED ON THE EQUIPMENT BY THE MANUFACTURER, THE EQUIPMENT ENCLOSURE(S) SHALL BE LEGIBLY MARKED IN THE FIELD TO INDICATE THE EQUIPMENT HAS BEEN APPLIED WITH A SERIES COMBINATION DEVICE RATING. THE MARKING SHALL BE READILY VISIBLE AND CONFORM TO ARTICLE 110.22 OF THE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE.
27.

GROUNDING CONTINUITY SHALL BE VERIFIED ON ALL ISOLATED GROUND RECEPTACLES.
28.

THE PLACEMENT OF LIGHTING FIXTURES, RECEPTACLES, ETC. IN MECHANICAL EQUIPMENT ROOMS SHALL BE COORDINATED WITH THE MECHANICAL EQUIPMENT.
29.

PROVIDE NECESSARY COMMON GROUNDS BETWEEN THE ELECTRICAL SERVICE, TELEPHONE SERVICE, UNDERGROUND METALLIC PIPING, CONDUIT, AND FOUNDATION/FOOTING REBAR PER NEC ARTICLES 250.50 & 250.52
30.

ALL DUCT MOUNTED SMOKE OR HEAT DETECTORS SHALL BE FURNISHED AND WIRED BY THE ELECTRICAL CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE WIRING OF ALL DUCT MOUNTED DETECTORS TO INSURE A COMPLETE OPERATING SYSTEM. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE MECHANICAL DRAWINGS FOR THE LOCATIONS OF ALL DUCT MOUNTED DETECTORS. ALL DUCT MOUNTED DETECTORS AND THEIR ASSOCIATED WIRING SHALL CONFORM TO ARTICLE 300.22 OF THE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE.
31.

CONTRACTOR TO PROVIDE RECEPTACLES TO MATCH PLUGS FURNISHED WITH EQUIPMENT.
32.

LIGHTING AND POWER BRANCH CIRCUIT PANEL BOARDS FOR 120/240 VOLTS SERVICE SHALL BE BOLT-ON CIRCUIT BREAKER TYPE EQUIPPED WITH QUICK-MAKE, QUICK-BREAK, TRIP INDICATING, MOLDED CASE, THERMAL- MAGNETIC CIRCUIT BREAKERS.
33.

ALL LIGHTING AND POWER PANELS SHALL HAVE THEIR TOPS AT 6'-6" ABOVE FINISHED FLOOR.
34.

PANEL BOARDS SHALL BE DEAD-FRONT, SAFETY-TYPE AND SHALL CONTAIN MAIN LUG RATINGS, BRANCH CIRCUIT BREAKERS, SPACES AND COPPER BUSSES AS INDICATED ON THE DRAWINGS.
35.

PANEL BOARDS SHALL BE SUITABLE FOR FLUSH MOUNTING OR SURFACE MOUNTED INSTALLATION AS REQUIRED.
36.

ELECTRICAL CONTRACTOR SHALL LOCATE LIGHTING FIXTURES TO SUIT STRUCTURAL AND ARCHITECTURAL CONDITIONS IN THOSE ROOMS WHERE BEAMS, DROPPED SOFFITS, ACCESS PANELS OR SIMILAR OBSTRUCTIONS REQUIRE A CHANGE IN LIGHTING FIXTURE LAYOUT.
37.

ELECTRICAL CONTRACTOR SHALL COORDINATE PLACEMENT OF ALL ELECTRICAL DEVICES WITH MILLWORK CONSTRUCTOR AND ARCHITECT PRIOR TO ROUGH-IN.
38.

FOR EMERGENCY LIGHTING AND EXIT SIGN BATTERY PACK UNITS, THE CIRCUIT FEEDING THE UNIT SHALL BE THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THE AREA AND SHALL BE CONNECTED AHEAD OF ANY LOCAL SWITCHES.
39.

THE ELECTRICAL CONTRACTOR SHALL CONFORM TO ARTICLE 400 OF THE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE REGARDING FLEXIBLE CORDS AND CABLES FOR THE SELECTION AND INSTALLATION OF FLEXIBLE FEEDER CABLE FOR TEMPORARY POWER. THE TYPE OF CABLE SHALL BE "EXTRA-HARD USAGE" TYPE "W", COPPER CONDUCTOR, THERMOSET INSULATION WITHOUT EXCEPTION.
40.

THE ELECTRICAL CONTRACTOR SHALL CONFORM TO ARTICLE 590 OF THE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE REGARDING THE PROTECTION AND INSTALLATION OF TEMPORARY WIRING.
41.

THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SERVICE APPLICATIONS FOR ELECTRICAL, CABLE AND TELEPHONE SERVICE CONNECTIONS. THE OWNER SHALL BE RESPONSIBLE TO PROVIDE ALL REQUIRED FEES.
42.

FOR ALL INSTALLATIONS IN WHICH OUTLET BOXES ARE INSTALLED IN A FIRE- RATED WALL, THE OUTLET BOXES SHALL BE THOMAS & BETTS UNION PHENOLIC THERMOSET BOXES OR EQUAL, INSTALLED PER MANUFACTURERS INSTRUCTIONS.

ELECTRICAL DEMOLITION NOTES

1.

IT IS THE INTENT THAT ALL EXISTING CONDUIT, CONDUCTORS, FIXTURES AND OTHER EQUIPMENT AND MATERIALS THAT INTERFERE WITH THE ALTERED EXISTING BUILDING ARRANGEMENTS AND NEW SYSTEMS BE REMOVED, RELOCATED, REROUTED OR ABANDONED. THE DRAWINGS GENERALLY INDICATE MAJOR ITEMS OR EXISTING MATERIALS AND EQUIPMENT THAT ARE TO BE REMOVED, RELOCATED, REROUTED OR ABANDONED. IT IS NOT POSSIBLE TO INDICATE ALL RELATED ACCESSORIES, SPECIALTIES AND OTHER MINOR ITEMS. HOWEVER, THEIR REMOVAL, RELOCATIONS, REROUTING OR ABANDONMENT SHALL ALSO BE INCLUDED IN THIS CONTRACT AND SHALL BE DONE AT NOT COST TO THE OWNER.
2.

EXISTING CONCEALED AND EXPOSED EQUIPMENT AND MATERIALS THAT WILL BECOME ABANDONED DUE TO NEW WORK SHALL BE REMOVED BACK TO THE PANEL.
3.

ALL EXISTING ELECTRICAL DEVICES TO BE DEMOLISHED MAY NOT BE SHOWN. CONTRACTOR SHALL PRIOR TO BID PERFORM A SITE VISIT AND DETERMINE FULL EXTENT OF DEMOLITION AND INCLUDE COST OF THIS WORK IN BID. SHOULD A CONTRACTOR REQUIRE REMOVAL, RELOCATION OR REROUTING OF ANOTHER TRADE'S WORK THAT IS NOT INDICATED ON DRAWINGS, THE CONTRACTOR REQUIRING SUCH WORK SHALL BE RESPONSIBLE FOR THAT WORK, AND PAY ALL REQUIRED COSTS. ALL UNKNOWN BELOW SLAB CONDUIT ENCOUNTERED DURING INSTALLATION OF NEW WORK SHALL BE SAFFED OFF. ALLOWANCE SHALL BE MADE FOR THESE ITEMS IN BID PRICE.
4.

EXISTING EQUIPMENT AND MATERIALS THAT ARE TO REMAIN, BUT BECOME EXPOSED DUE TO NEW WORK, SHALL BE RELOCATED AND RECONNECTED AS DIRECTED BY ARCHITECT.
5.

ALL WORK INVOLVING ALTERATIONS TO EXISTING SYSTEMS, EQUIPMENT AND MATERIALS SHALL BE REVIEWED WITH ARCHITECT AND OWNER BEFORE BEGINNING WORK.
6.

REMOVED EQUIPMENT AND MATERIALS NOT DESIRED BY OWNER SHALL BECOME PROPERTY OF CONTRACTOR AND SHALL BE PROMPTLY REMOVED FROM SITE. EQUIPMENT AND MATERIALS DESIRED BY OWNER SHALL BE DELIVERED BY CONTRACTOR TO AN ON-SITE STORAGE LOCATION DESIGNATED BY OWNER.
7.

THE CONTRACTOR MUST SURVEY AND VERIFY LOCATIONS AND PHYSICAL SIZES OF ALL EXISTING ITEMS AND DETERMINE WHETHER RELOCATION OR REROUTING WILL BE REQUIRED. IF RELOCATION OR REROUTING IS REQUIRED, INCLUDING THAT WORK IN BID WITH ALL RELATED ACCESSORIES, SPECIALTIES AND OTHER MINOR ITEMS, THE CONTRACTOR SHALL INCLUDE ALL NECESSARY WORK AS PART OF HIS CONTRACT AND IT SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
8.

WORK SHALL BE PERFORMED BY MECHANICS SKILLED IN PARTICULAR TRADE INVOLVED, THAT IS, ALL ELECTRICAL WORK SHALL BE PERFORMED BY ELECTRICIANS.
9.

ALL WORK SHALL BE INSPECTED, TESTED AND APPROVED BY THE PROPER AUTHORITIES HAVING JURISDICTION. CERTIFIED COPIES OF THESE APPROVALS AND CERTIFICATES OF OCCUPANCIES (CO'S) SHALL BE DELIVERED TO THE OWNER BEFORE FINAL PAYMENT.
10.

REMOVE DEMOLITION MATERIS FROM PREMISES BY THE MOST DIRECT PATH. ANY DAMAGE INCURRED BY THE REMOVAL PROCESS SHALL BE REPAIRED TO MATCH THE SURROUNDING WORK AND LEFT IN SATISFACTORY CONDITION. ALL AREAS SHALL BE CLEANED OF ALL DIRT AND DEBRIS RESULTING FROM DEMOLITION.
11.

ELECTRICAL CONTRACTOR SHALL DISPOSE OF ALL ELECTRICAL COMPONENTS SUCH AS TRANSFORMERS, FLUORESCENT LAMPS, SMOKE DETECTORS, HEAT DETECTORS, BATTERIES, LIGHTING BALLAST, ETC. IN STRICT ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL LAWS. COORDINATE DISPOSAL REQUIREMENTS WITH THE GENERAL CONTRACTOR AND THE OWNER.

ELECTRICAL LEGEND

- INDICATES HOME RUN OF WIRING TO PANEL AND CIRCUIT INDICATED
- GROUND FAULT INTERRUPTER
- EXISTING TO REMAIN. ALL EXISTING TO REMAIN DEVICES TO BE REPLACED WITH NEW DEVICES TO MATCH FLOOR/WALL FINISHES. REFER TO ARCHITECTURAL DRAWINGS.
- EXISTING TO BE RELOCATED
- RELOCATED EXISTING, SHOWN IN NEW LOCATION
- EXISTING TO BE REMOVED
- JUNCTION BOX TYPICAL
- DISCONNECT SWITCH - SIZED AS REQUIRED.
- 20A, 120V DUPLEX RECEPTACLE
- EXISTING WEST HALL FLOOR BOX
- CEILING MOUNTED VACANCY SENSOR  
CATALOG # LRF2-OCR2B-WH
- WIRELESS SWITCH CONNECTED TO LUTRON SWITCHING MODULE  
CATALOG # PJ2-ZB-GWH-LGI/PICO-WBX-ADAPT/CW-1-WH
- EXIT SIGN
- EMERGENCY BATTERY PACK
- LUTRON SWITCHING MODULE FOR NON-DIMMING LOADS  
CATALOG # RMSJ-16R-DV-B

BIDDING AND SCHEDULING NOTES:

1.

ALL WORK OF THE PROJECT SHALL BE BID AS A SINGLE PRIME ELECTRICAL PROJECT. THE PRIME ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED FOR THIS PROJECT.
2.

ALL WORK, INCLUDING MECHANICAL, ELECTRICAL, GENERAL CONSTRUCTION, CONTROLS WORK, SITE WORK, ETC., SHALL BE PERFORMED BY SUBCONTRACTORS WORKING DIRECTLY FOR THE PRIME ELECTRICAL CONTRACTOR.
3.

PRIME CONTRACTOR SHALL BE RESPONSIBLE TO SCHEDULE, SUPERVISE AND COORDINATE THE WORK OF ALL OF THE PROJECT'S SUBCONTRACTORS.
4.

ALL BID AND CONSTRUCTION TIME QUESTIONS SHALL BE COLLECTED AND DIRECTED BY THE PRIME CONTRACTOR TO THE OWNER AND THE ENGINEER. ALL SUBCONTRACTORS OF THE PRIME ELECTRICAL CONTRACTOR SHALL DIRECT THEIR QUESTIONS TO THE PRIME ELECTRICAL CONTRACTOR.

CONTINUITY OF EXISTING SYSTEMS

1.

BUILDING SHALL REMAIN FULLY OCCUPIED THROUGHOUT CONSTRUCTION. ALL POWER, DATA, VOICE, FIRE ALARM, SECURITY AND A/V SYSTEMS SHALL BE PROTECTED BY THE CONTRACTOR DURING CONSTRUCTION AND REMAIN FULLY OPERATIONAL DURING ALL PERIODS OF BUILDING OCCUPANCY.
2.

COORDINATE WORK INVOLVING INTERRUPTION OF EXISTING POWER, DATA, VOICE, FIRE ALARM, SECURITY AND A/V SYSTEMS WITH OWNER.
3.

ALL SERVICE AND SYSTEM INTERRUPTIONS SHALL OCCUR ONLY DURING PERIODS AND DURATIONS WHICH THE BUILDING'S STAFF HAS APPROVED WITH NO LESS THAN 2-WEEKS IN ADVANCE OF THE PROPOSED SHUTDOWN.
4.

ALL COSTS REQUIRED TO PERFORM THIS WORK SHALL BE BORNE BY THE CONTRACTOR AND INCLUDED IN THE BID PRICE.

EXCAVATION, TRENCHING AND BACKFILL:

1.

PROVIDE ALL EXCAVATION AND BACKFILLING, AND ALL SHORING, SAW-CUTTING, SHEETING, PUMPING AND OTHER WORK INCIDENTAL TO EXCAVATING REQUIRED FOR WORK SHOWN ON DRAWINGS.
2.

ALL EXCAVATION SHALL BE UNCLASSIFIED AND SHALL INCLUDE EXCAVATION OF ALL MATERIALS ENCOUNTERED.
3.

TRENCH DEPTHS SHALL ALLOW A MINIMUM OF 24" COVER OVER CONDUIT AND CABLES. TRENCH WALLS SHALL BE VERTICAL, BOTTOMS SHALL BE INSTRUMENT GRADED IN THE DIRECTION OF SLOPE REQUIRED. EARTH SHALL BE SCOOPED UNDER BOTTOMS OF CONDUIT FITTINGS TO PROVIDE A SOLID BEARING FOR CONDUIT ON UNDISTURBED EARTH. CONCRETE OR OTHER APPROVED SUPPORTS SHALL BE PROVIDED FOR ALL CONDUIT INSTALLED IN FILLED GROUND.
4.

BACKFILL SHALL BE MADE WITH CLEAN EARTH, FREE FROM ROCKS, FROZEN EARTH, DEBRIS, OR OTHER FOREIGN MATERIALS. BACKFILL SHALL BE DEPOSITED IN UNIFORM LAYERS NOT OVER 6 INCHES THICK, AND EACH LAYER SHALL BE MECHANICALLY TAMPER BEFORE NEXT LAYER IS APPLIED.
5.

EXCAVATION, ADJACENT TO AND UNDER FOOTINGS AND FOUNDATIONS, SHALL BE BACKFILLED SOLIDLY WITH 3000 POUND MINIMUM CONCRETE TO AN ELEVATION LEVEL WITH BOTTOM OF FOOTINGS AND FOUNDATIONS. WHERE EXCAVATION, DISTANT FROM FOOTINGS AND FOUNDATIONS, IS DEEPER THAN THE ANGLE OF REPOSE, BACKFILL SOLIDLY WITH 3000 POUND MINIMUM CONCRETE TO AN ELEVATION LEVEL WITH ANGLE OR REPOSE.
6.

ALL EXCAVATED MATERIAL REMAINING AFTER BACKFILLING OPERATION SHALL BE REMOVED FROM SITE.
7.

STREET, PAVEMENTS, LAWNS, CURBS AND OTHER FINISHED SURFACES DISTURBED OR DAMAGED BY EXCAVATION SHALL BE REPAIRED AND RESTORED TO THEIR ORIGINAL CONDITION, TO THE SATISFACTION OF THE OWNER AND LOCAL AUTHORITIES. CONTRACTOR SHALL BE RESPONSIBLE TO RESEED OR REPLACE ANY VEGETATION DISTURBED OR DAMAGED AS A RESULT OF THIS PROJECT.

Boardwalk Hall  
Switch Gear  
Replacement

2301 Boardwalk  
Atlantic City, NJ



2301 Boardwalk  
Atlantic City, New Jersey 08401  
(856) 427-0200  
www.concorde-engineering.com

Anthony H. Gaudet  
Professional Engineer  
New Jersey

REV.	DATE	DESCRIPTION
1	1/22/20	ADDENDUM #2
	1/3/20	ISSUED FOR BID

SCALE N.T.S.	PROJECT NO. 8017453
-----------------	------------------------

DWG. NAME

ELECTRICAL  
GENERAL NOTES

DATE  
01/3/20  
DRAWN BY  
ZRT  
CHECKED BY  
ET

EC-001