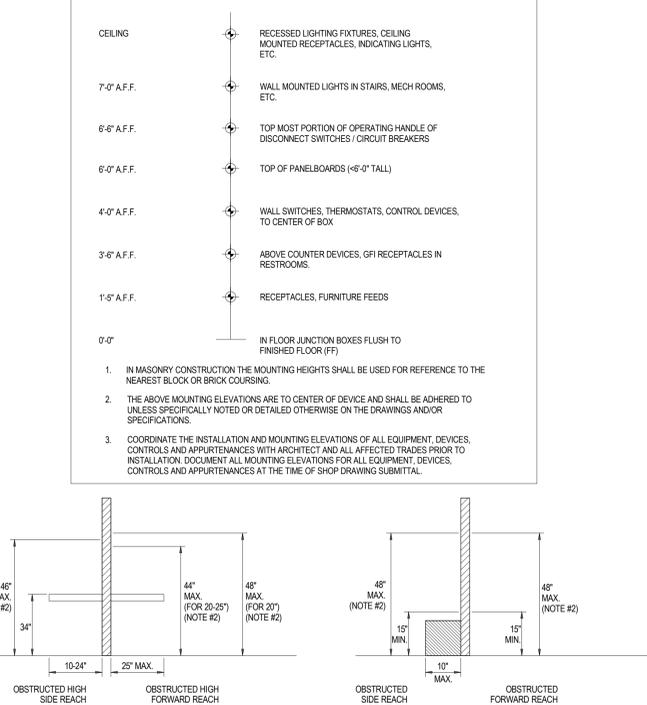


ELECTRICAL SYMBOLS LEGEND

Table with 3 columns: Symbol, Description, and Notes. Includes symbols for fluorescent strip fixtures, surface mounted fixtures, industrial fixtures, pendant fixtures, wall mounted fixtures, troffer fixtures, recessed downlights, track lighting, wall wash fixtures, LED exit signs, battery pack emergency lights, ceiling mounted occupancy sensors, wall switches, and wall boxes.

STANDARD MOUNTING HEIGHTS



- NOTES: 1. THESE GUIDELINES SHALL BE USED FOR THE INSTALLATION OF THE FOLLOWING DEVICES: - WALL SWITCHES - CONTROL SWITCHES - RECEPTACLES - VISUAL DISPLAY TOUCH PANELS 2. NOTE THAT THIS HEIGHT IS TO THE TOP-MOST PART OF THE DEVICE THAT AN OCCUPANT REQUIRES ACCESS TO.

ADA INSTALLATION GUIDELINES

SCALE = NOT TO SCALE

GENERAL ELECTRICAL INSTALLATION NOTES:

- 1. THE FOLLOWING GENERAL NOTES AS LISTED BELOW SHALL APPLY TO ALL ELECTRICAL REQUIREMENTS AS INDICATED ON ALL E-SERIES CONTRACT DRAWINGS. 2. DRAWINGS FOR THIS WORK ARE DIAGRAMMATIC AND INTENDED TO CONVEY THE EXTENT, GENERAL ARRANGEMENT AND LOCATIONS OF THE WORK... 3. DUE TO SCALE OF THE DRAWINGS, ALL ELECTRICAL DEVICE SYMBOLS ARE SHOWN ON DRAWINGS AS CLOSE AS POSSIBLE TO THEIR INTENDED LOCATION... 4. COORDINATE WITH ALL TRADES AND SYSTEM INTEGRATORS ANY CONDITIONS RELATED TO THE INSTALLATION OF ALL SYSTEMS... 5. COORDINATE EXACT LOCATION OF ALL DESK OR COUNTER MOUNTED EQUIPMENT WITH OWNER AND ARCHITECT... 6. COORDINATE EXACT LOCATIONS OF ALL DATA AND TELEPHONE OUTLETS ELECTRICAL RECEPTACLES WITH THE ARCHITECTURAL PLANS, FURNITURE PLANS AND ALL AFFECTED TRADES PRIOR TO INSTALLATION... 7. ALL CONDUITS SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH NFPA 70 AND PROJECT SPECIFICATIONS... 8. PROVIDE ALL EQUIPMENT CLEARANCES IN ACCORDANCE WITH NEC REQUIREMENTS... 9. WHERE EQUIPMENT AND/OR JUNCTION BOXES ARE INSTALLED ABOVE FINISHED CEILINGS... 10. ALL PENETRATIONS OF WALLS AND/OR FLOORS SHALL BE FIRE STOPPED IN ACCORDANCE WITH THE ASTM AND NFPA REQUIREMENTS... 11. ALL ELECTRICAL ENCLOSURES LOCATED OUTSIDE OR IN ALL AREAS WITH HIGH HUMIDITY OR A RELATIVE HUMIDITY OF 75% OR GREATER SHALL BE NEMA 4X STAINLESS STEEL AND RATED FOR THAT APPLICATION... 12. ALL DEVICES, COMPONENTS OR EQUIPMENT INSTALLED ON THE EXTERIOR OF THE FACILITY SHALL BE PROVIDED IN ACCORDANCE WITH ALL MANUFACTURERS REQUIREMENTS TO ENSURE THE PROPER OPERATION WHEN EXPOSED TO THE ENVIRONMENTAL CONDITIONS AND/OR AVERAGE ANNUAL LOWEST TEMPERATURE THAT CAN BE ANTICIPATED FOR THE GEOGRAPHIC REGION OF THE FACILITY... 13. ALL INTERIOR AND/OR EXTERIOR COMPONENTS, DEVICES OR SYSTEMS EQUIPMENT EXPOSED TO THE GENERAL POPULATION SHALL BE INSTALLED IN SECURED EQUIPMENT ENCLOSURES WITH TAMPER SWITCHES AND INSTALLED IN SUCH A MANNER THAT RESISTS TAMPERING AND/OR REMOVAL WITHOUT THE USE OF SPECIALIZED TOOLS... 14. FOR EQUIPMENT INSTALLATIONS REQUIRING COORDINATION WITH OTHER TRADES THE CONTRACTOR SHALL PROVIDE ALL TEMPLATES, BACKBOXES AND EQUIPMENT ANCHOR BOLTS FOR MOUNTING OR FLUSH MOUNTING PREPARATION... 15. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE ENTIRE DOCUMENT SET, I.E. IF WORK IS SHOWN ON OTHER TRADE DRAWINGS AS BY ELECTRICAL CONTRACTOR, THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THAT WORK... 16. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (LATEST VERSION BEING ENFORCED), AND ALL OTHER APPLICABLE CODES AND STANDARDS BEING ENFORCED BY THE AUTHORITY HAVING JURISDICTION... 17. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS OR INSTRUCTIONS FOR CONSTRUCTION SAFETY... 18. ALL SYSTEMS AND EQUIPMENT SHALL BE INSTALLED AND WIRED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS... 19. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE TESTED AND LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY... 20. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL TRAFFIC CONTROL, FLAGMEN, SIGNAGE, ETC. WHEN DOING WORK THAT INTERFERES WITH THE PUBLIC RIGHT-OF-WAY... 21. THE VERBAGE ON THE DRAWINGS INDICATING TYPES OF MATERIALS TO BE ENCOUNTERED IS INTENDED TO AID THE ELECTRICAL CONTRACTOR IN UNDERSTANDING THE VARIOUS CONDITIONS LIKELY TO BE ENCOUNTERED... 22. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING QUANTITIES OF MATERIALS REQUIRED TO COMPLETE THE PROJECT... 23. THE ELECTRICAL CONTRACTOR SHALL COORDINATE CONDUIT ROUTING (PLAN AND ELEVATION) WITH THE LIGHTING NEW AND EXISTING, CEILING ELEVATION, STRUCTURE, DUCTWORK, PIPING, ETC. REQUIRED FOR THE COMPLETION OF THE PROJECT... 24. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NEW OPENINGS IN EXISTING PARTITIONS, EXTERIOR WALLS, FLOORS, AND ROOFS FOR THE INSTALLATION OF ANY NEW ELECTRICAL WORK... 25. THE ELECTRICAL CONTRACTOR SHALL PROTECT ALL EXISTING MATERIALS THAT ARE TO REMAIN IN PLACE FROM DAMAGE... 26. THE ELECTRICAL CONTRACTOR SHALL MAINTAIN THE BUILDING IN WEATHERTIGHT AND WATERPROOF CONDITION... 27. THE ELECTRICAL CONTRACTOR SHALL SECURE AND PROTECT THE BUILDING AND/OR WORK AREA WITH FIRE RETARDANT TEMPORARY PLYWOOD PARTITIONS... 28. THE ELECTRICAL CONTRACTOR SHALL CALK ALL JOINTS BETWEEN METAL FRAMES AND EXISTING CONDITIONS... 29. THE DIMENSIONS SHOWN ON THE DRAWINGS ARE FOR THE CONVENIENCE OF THE ELECTRICAL CONTRACTOR ONLY... 30. THE ELECTRICAL CONTRACTOR SHALL INSTALL ALL CONDUITS CONCEALED UNLESS NOTED OTHERWISE... 31. ALL ELECTRICAL EQUIPMENT SHALL BE GROUNDING AND/OR BONDED PER THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE... 32. THE ELECTRICAL CONTRACTOR SHALL PROVIDE TYPEWRITTEN PANELBOARD DIRECTORIES... 33. THE ELECTRICAL CONTRACTOR SHALL REVIEW THE WORK REQUIRED WITH THE APPLICABLE UTILITY COMPANIES SERVING THE PROJECT... 34. THE ELECTRICAL CONTRACTOR SHALL CONTACT THE NATIONAL 911-CALL BEFORE YOU DIG SYSTEM PRIOR TO PERFORMING ANY UNDERGROUND INSTALLATION WORK... 35. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER PRIOR TO STARTING ALL PHASES OF THE PROJECT... 36. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL TEMPORARY POWER CONNECTIONS TO KEEP AREAS UP AND OPERATIONAL DURING THE CONSTRUCTION... 37. THE ELECTRICAL CONTRACTOR SHALL GENERATE A DETAILED METHOD OF PROCEDURE (MOP) DOCUMENT INDICATING HOW HE/SHE INTENDS TO PERFORM EACH STEP IN THE PROJECT...

ABBREVIATIONS

Table of abbreviations for electrical symbols and materials. Columns include: Symbol, Description, and Material/Code. Includes terms like AFF (above finished floor), AFG (above finished grade), AC (alternating current), and various electrical components.

ELECTRICAL DEMOLITION ABBREVIATIONS

Table of demolition abbreviations. Columns include: Symbol, Description, and Material/Code. Includes terms like ETR (EXISTING TO REMAIN), RN (REMOVE AND REPLACE), and RC (REMOVE COMPLETELY).

GENERAL SYMBOLS LEGEND

Table with 3 columns: Symbol, Description, and Notes. Includes symbols for drawing keynotes, equipment tags, revision triangles, ground symbols, bond symbols, above grade/slab homerun, and junction boxes.

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Drawing Title SCHEDULES, SYMBOLS & NOTES

Project Title BUILDING 9 - SECOND FLOOR RENOVATION

Project Number 542-13-105

Office of Construction and Facilities Management

Approved: Project Director

Location: 1400 Blackhorse Hill Road Coatesville, PA 19320

Drawing Number E001

Department of Veterans Affairs

A

B

C

D

E

F



FULLY SPRINKLERED BID DOCUMENTS

Revisions table with columns for Revision Number, Description, and Date.

Date

Checked JJD

Drawn JMZ

Dwg. 97 of 125