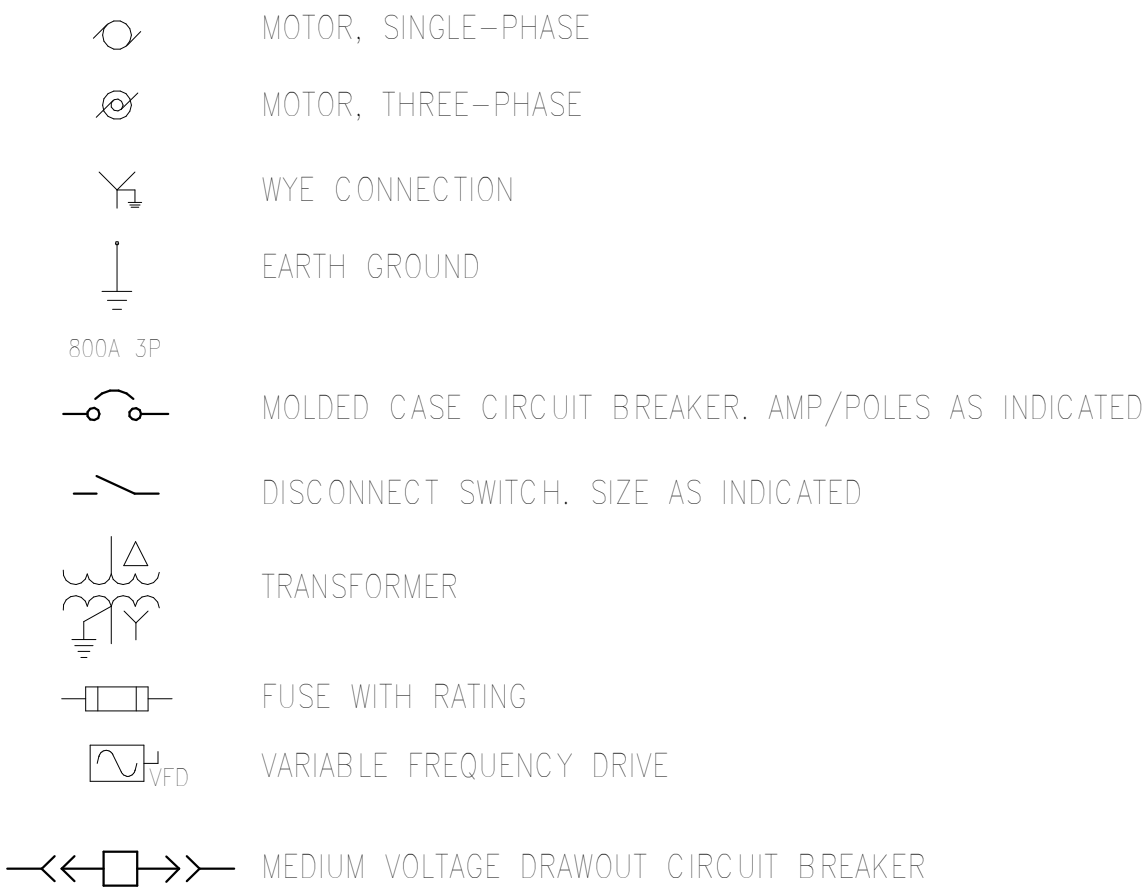
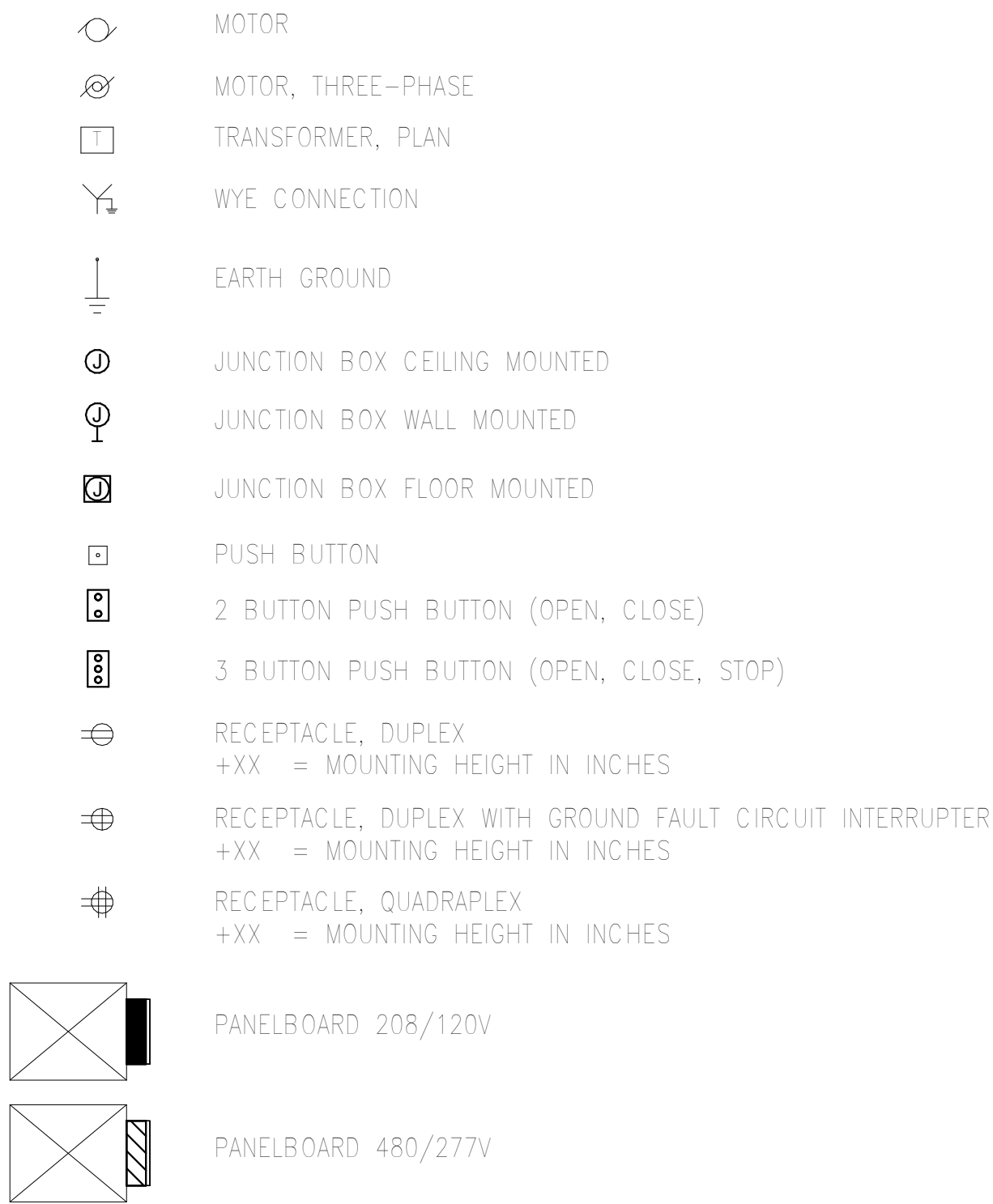


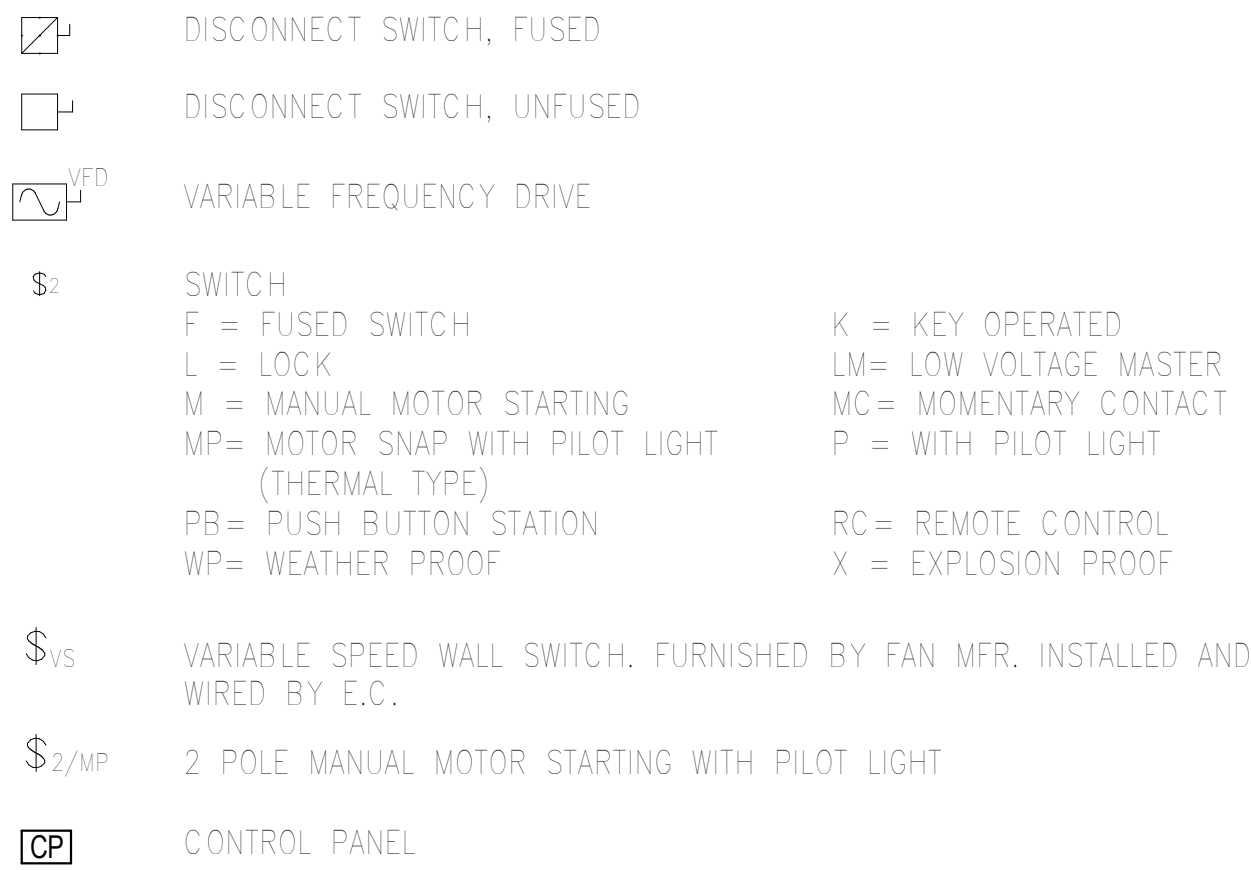
ELECTRICAL SYMBOLS - POWER RISER DIAGRAM



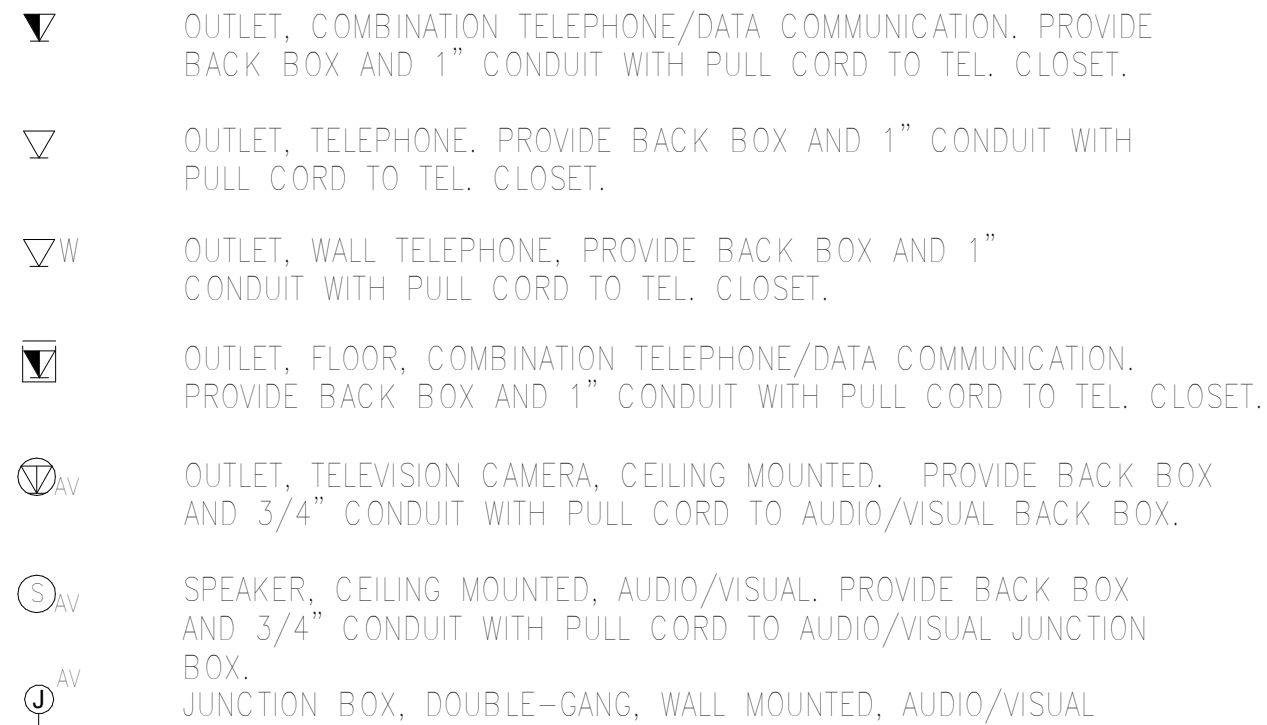
ELECTRICAL SYMBOLS - POWER PLAN



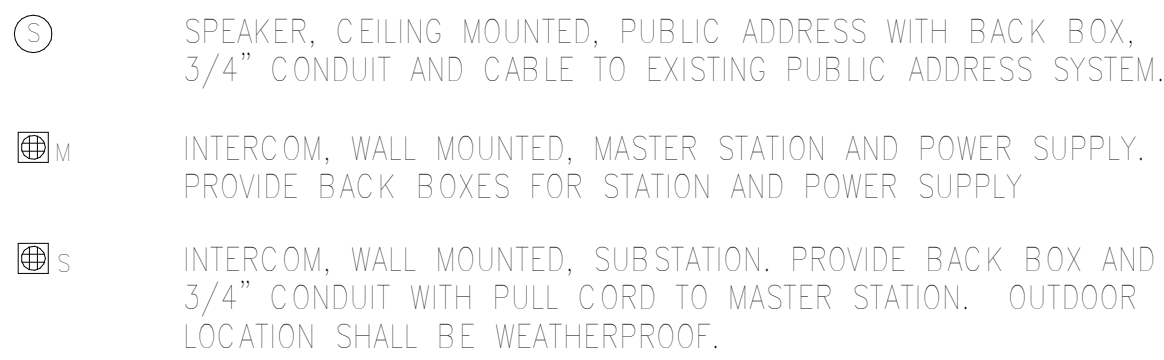
ELECTRICAL SYMBOLS - POWER PLAN



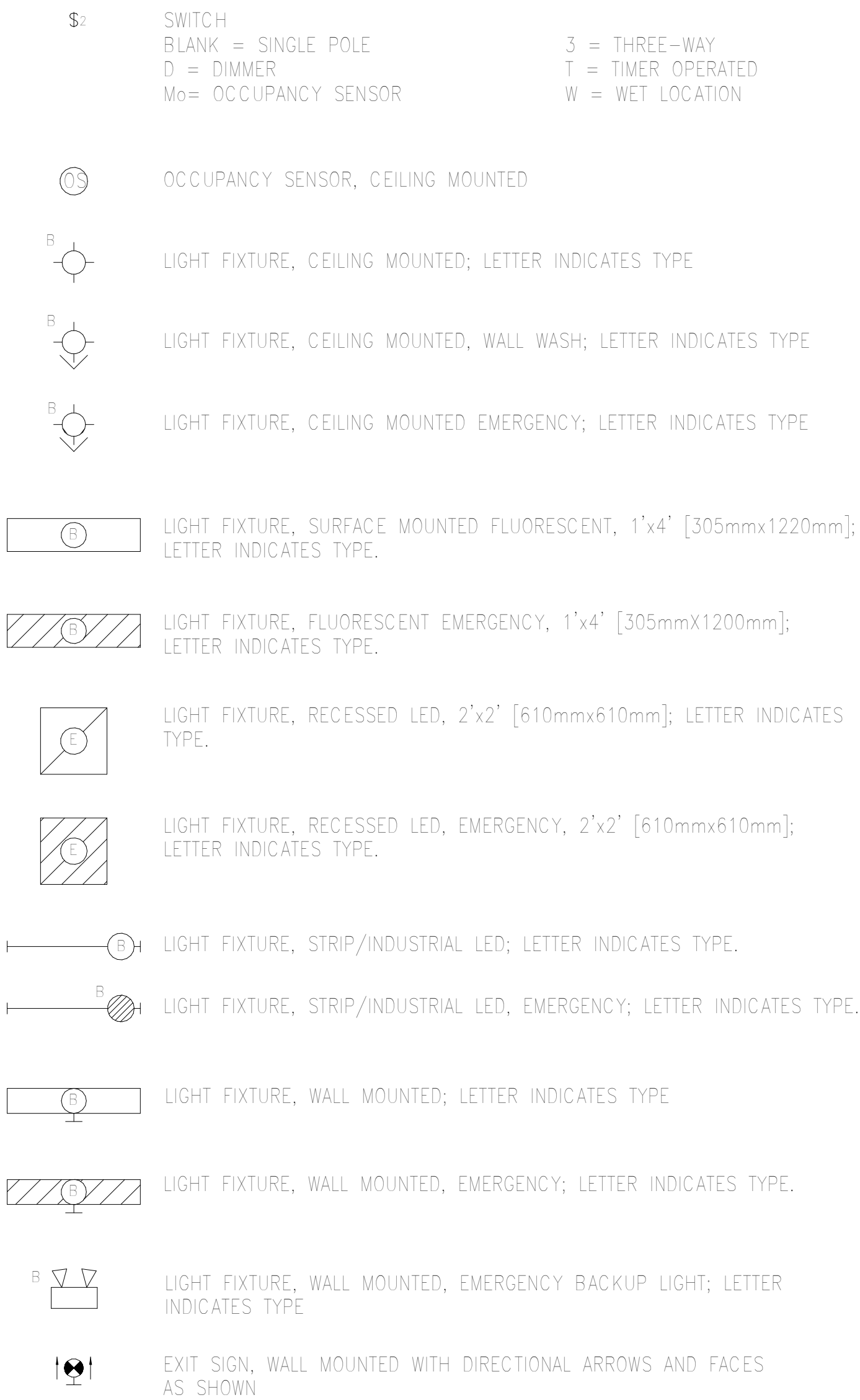
COMMUNICATION SYMBOLS - POWER PLAN



ELECTRONIC SAFETY AND SECURITY SYMBOLS - POWER PLAN



ELECTRICAL SYMBOLS - LIGHTING PLAN



GENERAL NOTES

- ALL FINAL LOCATIONS AND ARRANGEMENTS OF LIGHTING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL REFLECTED CEILING PLAN.
- (1) EACH BRANCH CIRCUIT HOMERUN SHALL HAVE NO MORE THAN THREE CIRCUITS. EACH BRANCH CIRCUIT HOMERUN SHALL HAVE A SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR.
- MULTI-GANG BACKBOXES FOR DIFFERENT VOLTAGES AND TYPES OF EMERGENCY AND NORMAL BRANCH WIRING DEVICES SHALL HAVE DIVIDERS BETWEEN DEVICES.
- PROVIDE #10 WIRE FOR ALL 20A-120V CIRCUITS EXCEEDING 75 FEET AND FOR 20A-277V CIRCUITS THAT EXCEED 150 FEET.
- RECEPTACLES SHALL BE WIRED AS FOLLOWS: 3 CIRCUIT, 20A, HOMERUNS TO PANELS SHALL BE 3#12 PHASE CONDUCTORS, 3#12 NEUTRAL CONDUCTORS AND 1#12 GROUND. 2 CIRCUIT, 20A, HOMERUNS TO PANELS SHALL BE 2#12 PHASE CONDUCTORS, 2#12 NEUTRAL CONDUCTORS, AND 1 #12 GROUND. 1 CIRCUIT, 20A, HOMERUNS TO PANEL SHALL BE 1#12 PHASE CONDUCTOR, 1#12 NEUTRAL CONDUCTOR AND 1#12 GROUND.
- VERIFY LOCATION AND CONNECTIONS REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHER TRADES PRIOR TO ROUGH-IN.
- COORDINATE CEILING MOUNTED LIGHTS AND DEVICES WITH CEILING CONTRACTOR AND INSTALL AS SHOWN ON THE REFLECTED CEILING PLANS.
- ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT (SWITCHGEAR, FREE STANDING PANELBOARDS, TRANSFORMERS) SHALL BE INSTALLED ON 4" HIGH CONCRETE PAD.
- COORDINATE ALL DIMENSIONS & WIRING REQUIREMENTS ON ALL PRE-PURCHASED EQUIPMENT WITH FINAL APPROVED SHOP DWGS.
- FIRE SEAL ALL CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS & SLABS. SEAL FIRE RATING SHALL BE EQUAL TO OR GREATER THAN THE FIRE RATING OF THE WALL OR SLAB THROUGH WHICH THE CONDUIT PASSES.
- COORDINATE THE LOCATION AND MOUNTING HEIGHTS OF OUTLETS AND MULTI-OUTLET ASSEMBLIES WITH ARCHITECTURAL FLOOR PLANS AND ELEVATION DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DOOR SWINGS BEFORE INSTALLING SWITCH BOXES.
- FOR MOUNTING HEIGHT OF UNDER-SHELF/CABINET LIGHTING FIXTURES REFER TO ARCHITECTURAL DRAWINGS.
- COORDINATE EXACT LOCATION OF SUSPENDED LIGHTING FIXTURES IN MECHANICAL AND STORAGE AREAS WITH OTHER TRADES.
- PROVIDE BOXES AND RACEWAYS FOR TELEPHONE AND DATA OUTLETS AND CABLES. ROUTE RACEWAYS FROM OUTLETS IN BLDG. 2 AND 3 TO TEL/DATA CLOSET IN BLDG. 2 ROOM 141A. ROUTE RACEWAYS FROM OUTLETS IN BLDG. 1 TO ROOM 0213E, UON. INSTALLATION SHALL COMPLY WITH COMMERCIAL BUILDING STANDARD FOR TELECOMMUNICATION PATHWAYS AND SPACES, ANSI/TIA/EIA-569-A.

GENERAL NOTES - DEMOLITION

- EXISTING EQUIPMENT, SUCH AS LIGHTING FIXTURES, WIRING DEVICES, FIRE ALARM DEVICES, CONDUITS, ETC., SHOWN TO BE DEMOLISHED ON PLANS TO BE REMOVED COMPLETELY. CUT/CAP CONDUITS AT THE AREA OF WORK PERIMETER AND REMOVE CONDUIT WITHIN THE WORK AREA, DISCONNECT WIRING AT THE OVERCURRENT PROTECTIVE DEVICE AND REMOVE WIRING COMPLETELY FROM THE ABANDONED CONDUITS.
- REMOVE ALL ACCESSIBLE ABANDONED WIRING OF ALL TYPES.
- MAINTAIN AND RESTORE, IF INTERRUPTED, ALL CONDUITS AND CONDUCTORS PASSING THROUGH RENOVATED AREAS AND SERVICING UNDISTURBED AREAS.

E1 TEL/DATA ROOM LOCATION PART PLAN
1"=16'

CONSULTANTS:		Dale G. Peterson 083870 01/17/2014		ARCHITECT/ENGINEERS:		Drawing Title ELECTRICAL SYMBOL LIST AND GENERAL NOTES		Project Title VA NY HARBOR HEALTHCARE SYSTEM MANHATTAN CAMPUS / PHASE IA		Project Number 216714		Office of Construction and Facilities Management			
		WARNING: This warning is required to be included on this document under New York State Education Law, Article 145, Section 7209, Sub-paragraph 2. It is a violation of the aforementioned law for any person, unless acting under the direction of a licensed professional engineer or land surveyor, to alter any portion of the design set forth on this document. If any item of the design set forth in this document is altered, the altering engineer or land surveyor shall affix to the item his/her seal and the notation "altered by" followed by his/her signature and the date of such alteration and a specific description of the alteration.		Henningson, Durham & Richardson, Architecture and Engineering, P.C. 500 Seventh Ave, 11th Floor, New York, NY 10018 . 212-904-1212		Approved: Project Director		Location 423 E 23RD STREET, NEW YORK, NY 10010		Building Number 1 & 2					
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