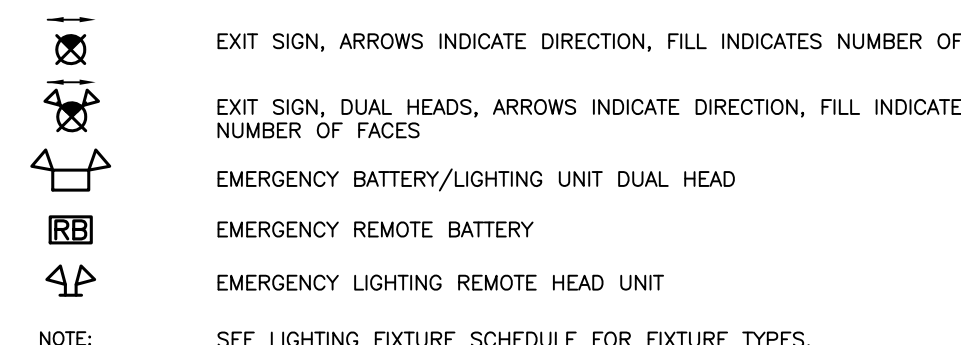
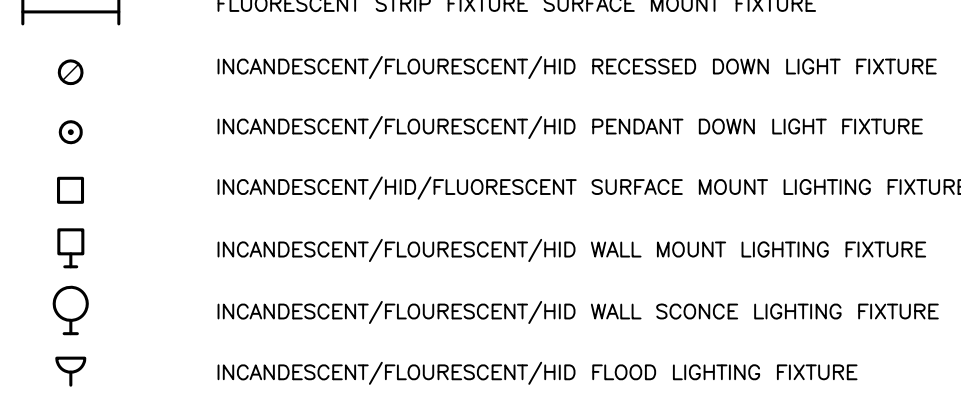
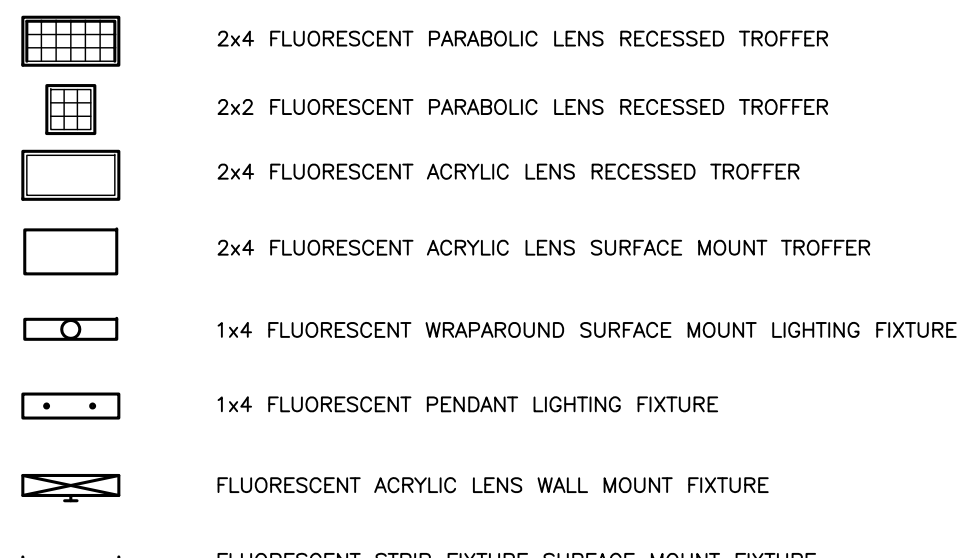


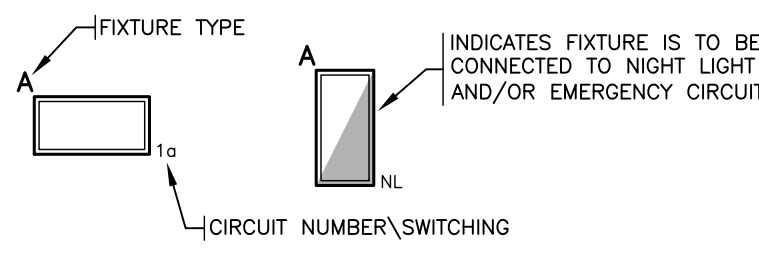
LEGEND

LIGHTING FIXTURES

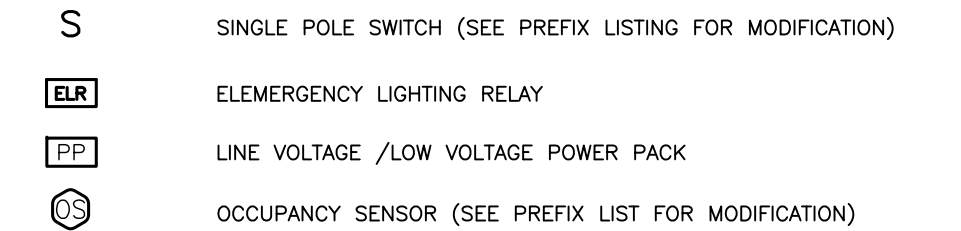


NOTE: SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE TYPES, CATALOG NUMBERS, MOUNTING, AND LAMP REQUIREMENTS.

LIGHTING FIXTURE DESIGNATION KEY



SWITCHING

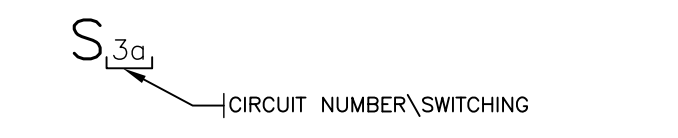


NOTE: 1. FOR GENERAL USE, OFFICES, OTHER, MEETING ROOMS, COMMON AREAS USE SPECIFICATION GRADE DEVICES WITH PLASTIC FINISH PLATE, EQUAL TO LEVITON CS SERIES 20A 120V/277V FLUSH MOUNTED (DEVICE COLOR: IVORY)
2. FOR MECHANICAL, NON FINISH SPACES USE SPECIFICATION GRADE DEVICES WITH GALVANIZED STEEL PLATE, EQUAL TO LEVITON CS SERIES 20A 120V/277V SURFACE MOUNTED (DEVICE COLOR: IVORY)

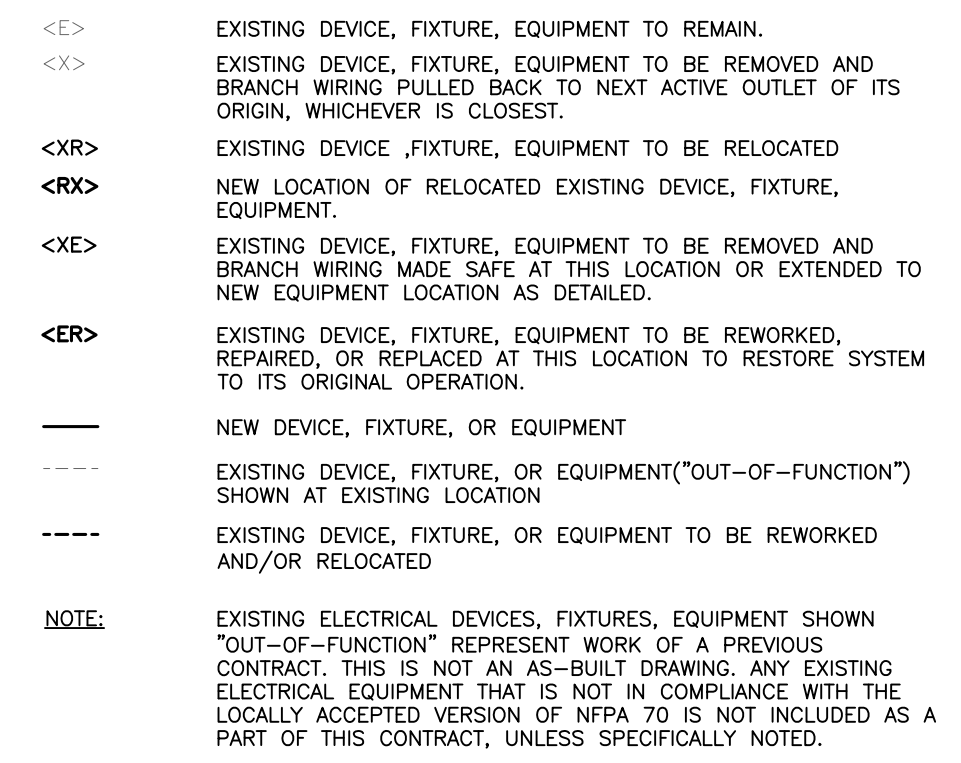
SWITCHING PREFIX LISTING



LIGHTING SWITCH DESIGNATION KEY

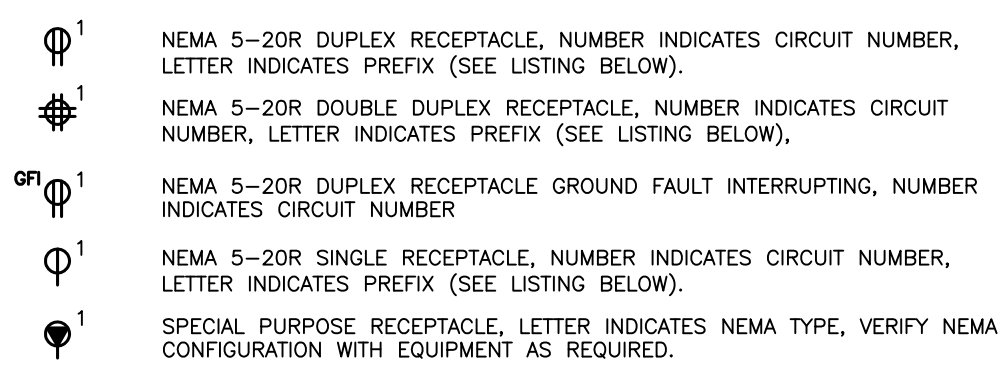


EXISTING EQUIPMENT CODES:



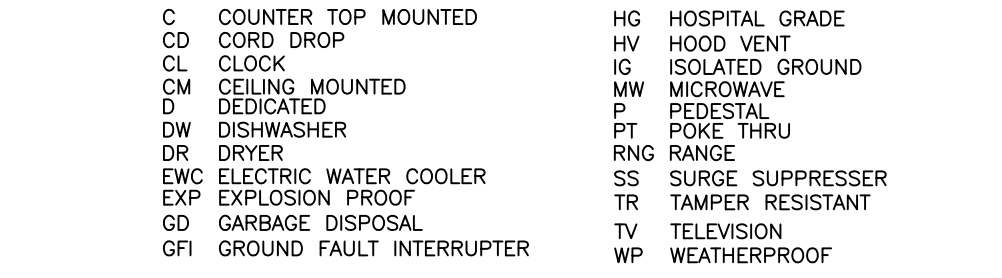
NOTE: EXISTING ELECTRICAL DEVICES, FIXTURES, EQUIPMENT SHOWN "OUT-OF-FUNCTION" REPRESENT WORK OF A PREVIOUS CONTRACT. THIS IS NOT AN AS-BUILT DRAWING. ANY EXISTING ELECTRICAL EQUIPMENT THAT IS NOT IN COMPLIANCE WITH THE LOCALLY ACCEPTED VERSION OF NFPA 70 IS NOT INCLUDED AS PART OF THIS CONTRACT, UNLESS SPECIFICALLY NOTED.

POWER/GROUNDING RECEPTACLES AND OUTLETS

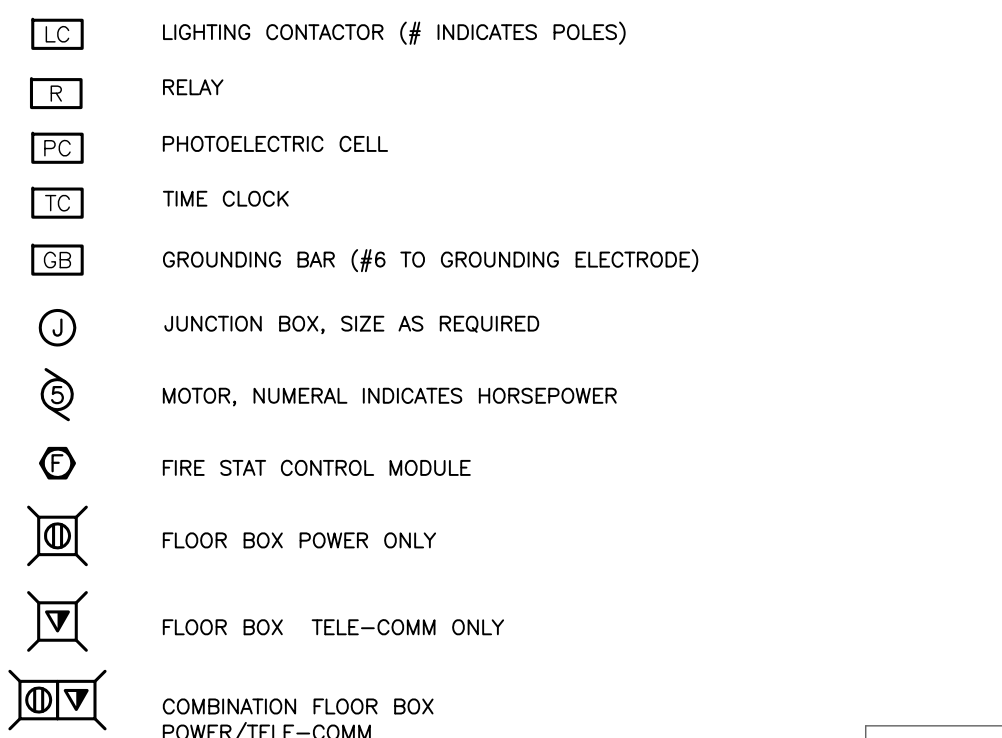


NOTE: 1. FOR GENERAL USE, OFFICES, OTHER, MEETING ROOMS, COMMON AREAS USE SPECIFICATION GRADE DEVICES WITH PLASTIC FINISH PLATE, EQUAL TO LEVITON CR SERIES 20A 125V. FLUSH MOUNTED (DEVICE COLOR: IVORY)
2. FOR MECHANICAL, NON FINISH SPACES USE SPECIFICATION GRADE DEVICES WITH GALVANIZED STEEL PLATE, EQUAL TO LEVITON CR SERIES 20A 125V. SURFACE MOUNTED (DEVICE COLOR: IVORY)

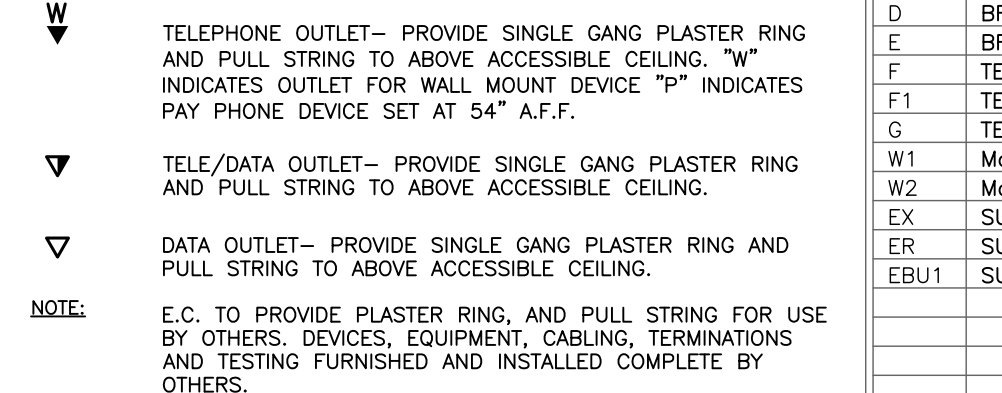
RECEPTACLE PREFIX LISTING



MISCELLANEOUS POWER AND EQUIPMENT

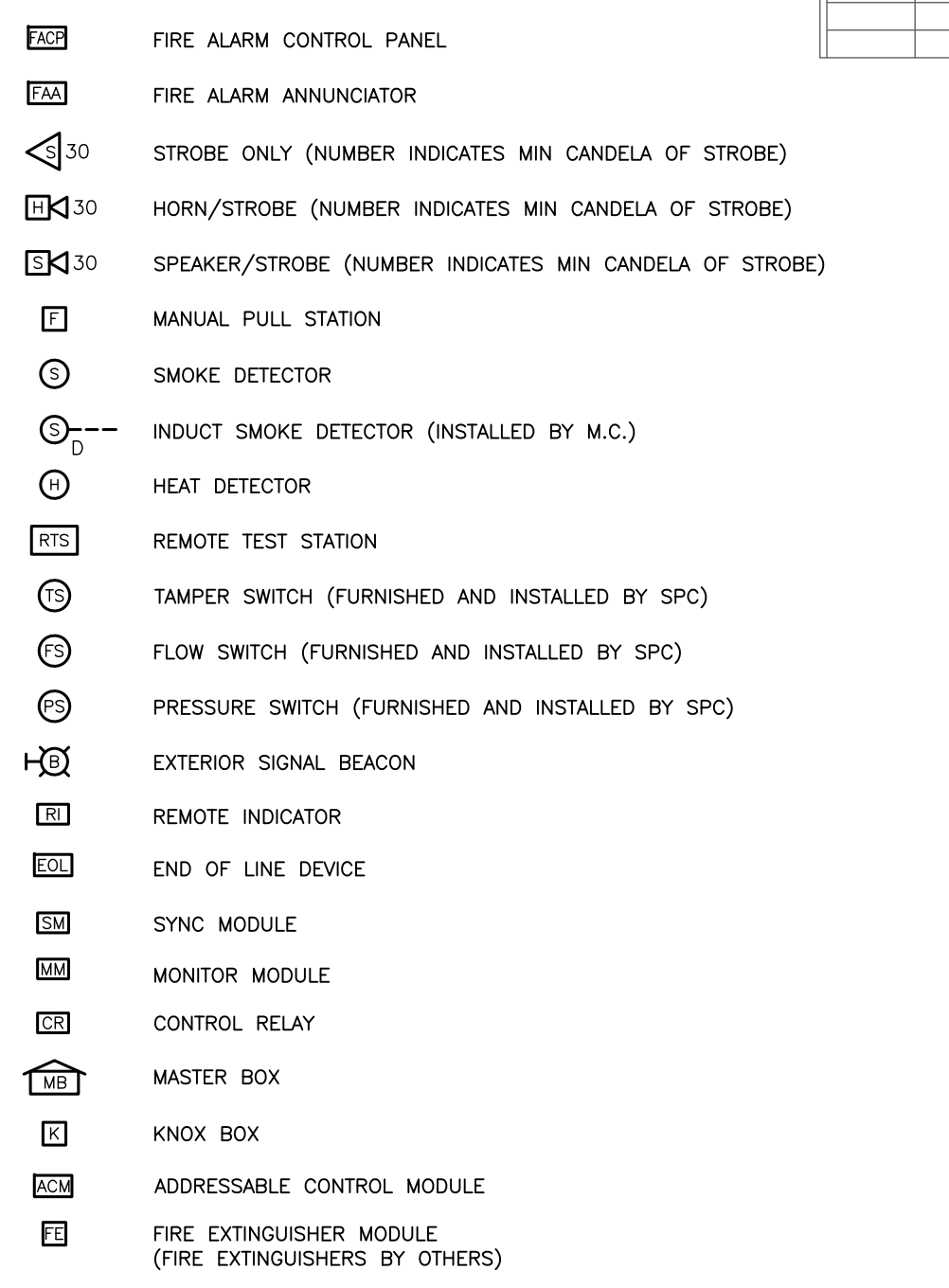


TELECOMMUNICATION DEVICES

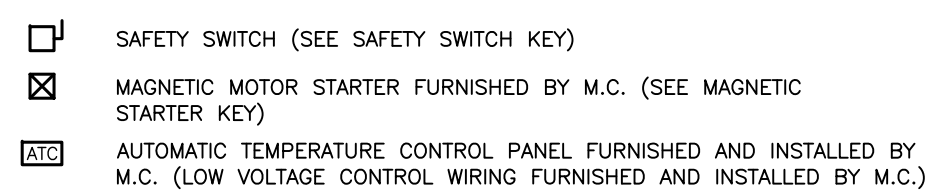


E.C. TO PROVIDE PLASTER RING, AND PULL STRING FOR USE BY OTHERS, DEVICES, EQUIPMENT, CABLING, TERMINATIONS AND TESTING FURNISHED AND INSTALLED COMPLETE BY OTHERS.

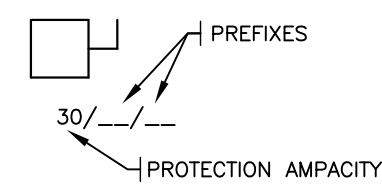
FIRE ALARM DEVICES



MECHANICAL EQUIPMENT

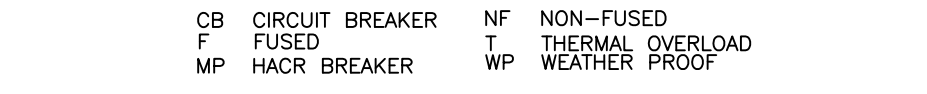


SAFETY SWITCH DESIGNATION KEY

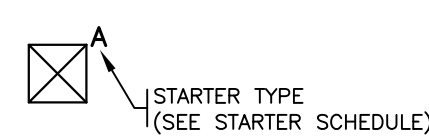


NOTES: 1. VOLTAGE, CURRENT, AND QUANTITY OF TERMINATION POLES SHALL MEET OR EXCEED THE SOURCE CAPACITY AND WIRING REQUIREMENTS OF THE BRANCH CIRCUIT.
2. ALL MOTOR STARTERS FOR MECHANICAL EQUIPMENT ARE FURNISHED AND INSTALLED BY M.C., WIRED BY E.C., COORDINATE WITH HVAC DRAWINGS.
3. ALL DISTRIBUTION EQUIPMENT SHALL HAVE ADHESIVE BACKED IDENTIFICATION LABELS.
4. COORDINATE FUSE SIZE AND TYPE PER EQUIPMENT NAME PLATE.

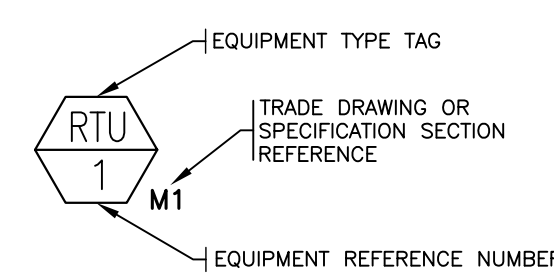
SAFETY SWITCH PREFIX LISTING



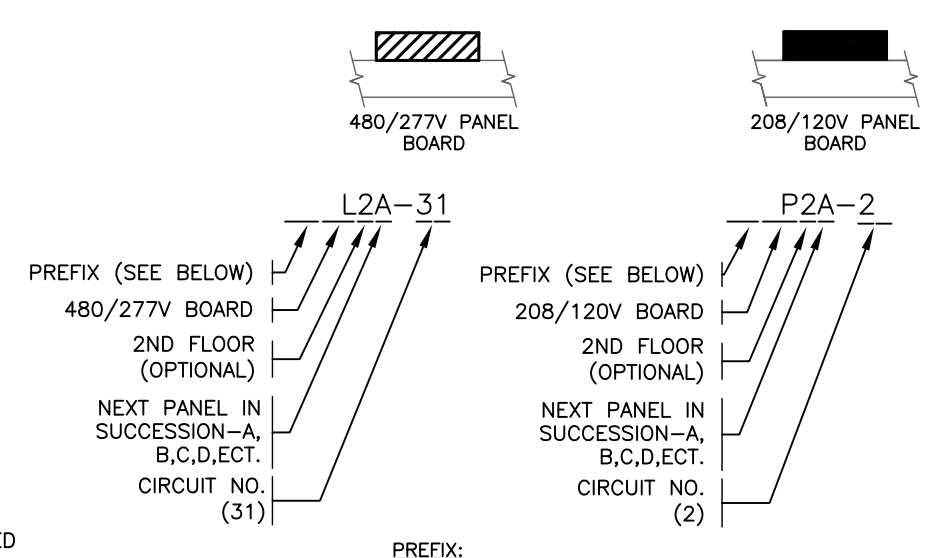
MAGNETIC STARTER DESIGNATION KEY



EQUIPMENT DESIGNATION KEY

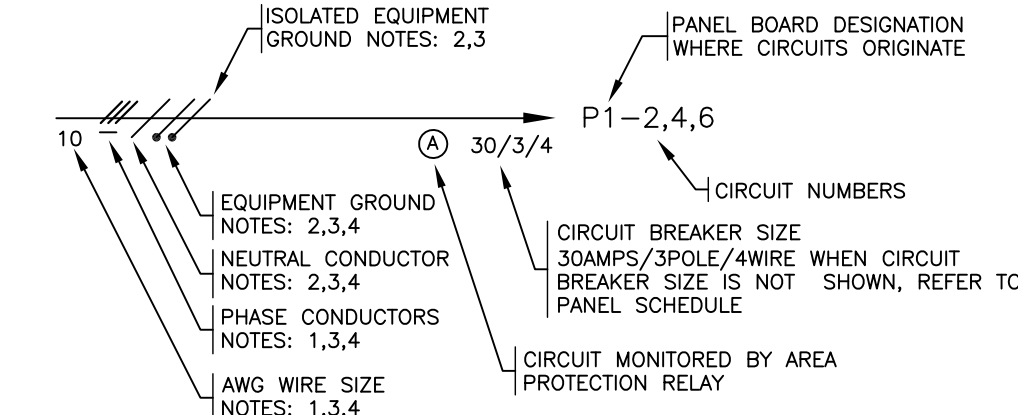


PANEL BOARD SYMBOL KEY



CB - CRITICAL BRANCH
ESB - EMERGENCY STAND-BY BRANCH
L - LIGHTING BRANCH
LS - LIFE SAFETY BRANCH
M - MECHANICAL BRANCH
P - POWER BRANCH
SB - STAND-BY BRANCH

HOME RUN SYMBOL KEY



NOTES: 1. WIRE SIZE IS BASED ON THE NATIONAL ELECTRICAL CODE, NFPA 70-2011, TABLE 310-16, COLUMN 75° C (167° F) FOR COPPER CONDUCTORS.
2. WIRE SIZE IS BASED ON THE NATIONAL ELECTRICAL CODE, NFPA 70-2008, TABLE 250-122 (A) THROUGH (F), FOR COPPER CONDUCTORS.
3. WHEN NO SLASHES OR WIRE SIZES ARE SHOWN, WIRES SHALL CONSIST OF ONE PHASE, ONE NEUTRAL, AND ONE EQUIPMENT GROUND, WIRE SIZE AWG 12 MINIMUM. REFER TO PANEL SCHEDULES FOR CIRCUIT AMPACITY.
4. SLASHES MAY BE REPLACED BY NUMERICAL IDENTIFICATION (EXAMPLE: 2#8, #8G-3/4")
5. METALLIC CONDUIT MAY BE USED AS EQUIPMENT GROUND IN ACCORDANCE WITH NEC ARTICLE 250-118.

GENERAL NOTES

- CONDUITS AND CIRCUITRY INDICATED ON THE DRAWINGS ARE DIAGRAMMATIC ONLY AND DO NOT INDICATE SPECIFIC ROUTES, SPECIFIC CONDITIONS OR HOMERUNS. FINAL ROUTING SHALL BE COORDINATED IN THE FIELD TO AVOID CONFLICTS WITH OTHER TRADES. PULLING FITTINGS AND BOXES IN ADDITION TO THOSE DETAILED SHALL BE ADDED TO MAINTAIN NO MORE THAN 360° BETWEEN PULLING POSITIONS. CLEAR ACCESS TO PULLING POSITIONS SHALL BE MAINTAINED.
- EXPOSED EQUIPMENT AND RACEWAYS SHALL BE INSTALLED LEVEL AND PLUMB.
- EXPOSED RACEWAYS SHALL RUN PARALLEL OR PERPENDICULAR TO BUILDING WALLS AND OR STRUCTURAL MEMBERS.
- EXACT LOCATION OF DOORS, TRANSOMS, WINDOWS, CASEWORK, PLUMBING FIXTURES ETC. IN FINISHED AREAS SHALL BE COORDINATED IN THE FIELD WITH OTHER TRADES.
- EXACT LOCATION OF EQUIPMENT WITHIN MECHANICAL SPACES, CEILINGS AND FLOOR VOIDS ABOUT MECHANICAL EQUIPMENT SHALL BE COORDINATED IN THE FIELD WITH OTHER TRADES.
- ALL ELECTRICAL WORK TO BE INSTALLED BY LICENSED ELECTRICIANS IN ACCORDANCE WITH NFPA 70 2011 NATIONAL ELECTRICAL CODE (NEC), NFPA 101 2009 LIFE SAFETY CODE AND ALL APPLICABLE STATE AND LOCAL CODES AND REGULATIONS.
- LIGHTING AND POWER SYSTEM TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATES ENERGY EFFICIENCY CODE AND LOCAL REGULATIONS.
- ALL EQUIPMENT AND WIRING SHALL BE SUSPENDED FROM AND/OR TO THE BUILDING STRUCTURE.
- SEE MOUNTING HEIGHT DETAIL FOR WALL MOUNTED EQUIPMENT AND DEVICE MOUNTING HEIGHTS.
- SEE LIGHTING FIXTURE SCHEDULE AND DESIGNATION DETAIL FOR FIXTURE TYPE, BRANCH CIRCUIT, SWITCH CONTROL AND PHASING.
- PROVIDE ADHESIVE BACKED IDENTIFICATION LABELS ON ALL ELECTRICAL DISTRIBUTION EQUIPMENT INCLUDING PANEL BOARDS AND DISCONNECTS

WIRING METHODS SCHEDULE

LOCATION	RACEWAY	FITTINGS	SUPPORTS (NOTE 2)	REMARKS
UNDERGROUND	PVC-SHC 40	GLUED	N/A	②③④
EXPOSED EXTERIOR	PVC-SCH 40	GLUED	SEE TABLE 347-B	①
EXPOSED INTERIOR	EMT MC CABLE	DIE CAST SET SCREW CLAMP	3'/10' 1'/6'	
CONCEALED INTERIOR FEEDERS	EMT MC CABLE	DIE CAST SET SCREW CLAMP	3'/10' 1'/6'	
CONCEALED INTERIOR BRANCH	MC CABLE	DIE CAST CLAMP	1'/6'	

WIRING METHODS NOTES

- NOTES:
- WIRING METHODS AND MATERIALS TO BE PROVIDED IN ACCORDANCE WITH APPLICABLE SECTIONS OF NEC ARTICLE 300
 - FLEXIBLE METALLIC CONDUIT (LIQUID TIGHT WHERE SUBJECT TO MOISTURE) SHALL BE UTILIZED BETWEEN NON-FLEXIBLE AND VIBRATING COMPONENTS, IN ACCORDANCE WITH NFPA-70-2011 PER ARTICLES 348 & 350.
 - MAXIMUM DISTANCE FROM CONNECTOR OR COUPLING/MAXIMUM DISTANCE BETWEEN SUPPORTS PER NFPA 70.
 - EXPANSION FITTINGS AS SUGGESTED BY THE MANUFACTURER AND/OR AS REQUIRED BY PROJECT.
 - BENDS SHALL NOT EXCEED FOUR QUARTER BENDS (360° DEGREES TOTAL) BETWEEN PULL POINTS, CONDUIT BODIES OR BOXES CLEAR PULLING POSITIONS SHALL BE MAINTAINED.
 - CONDUIT PENETRATIONS AND ELECTRICAL INSTALLATIONS SHALL BE MADE AS REQUIRED TO LIMIT THE SPREAD OF FIRE AND PRODUCTS OF COMBUSTION IN ACCORDANCE WITH SECTION 300.21.
 - CONDUIT PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE SEALED WITH A U.L. LISTED FIRE STOPPING SYSTEM INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

REMARKS:

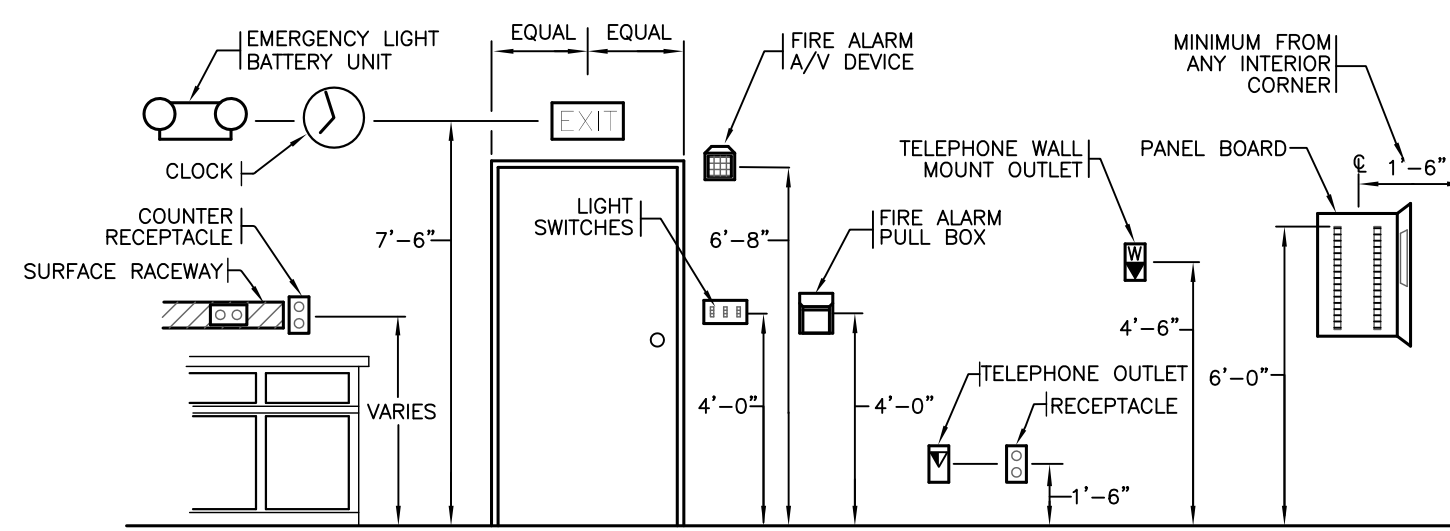
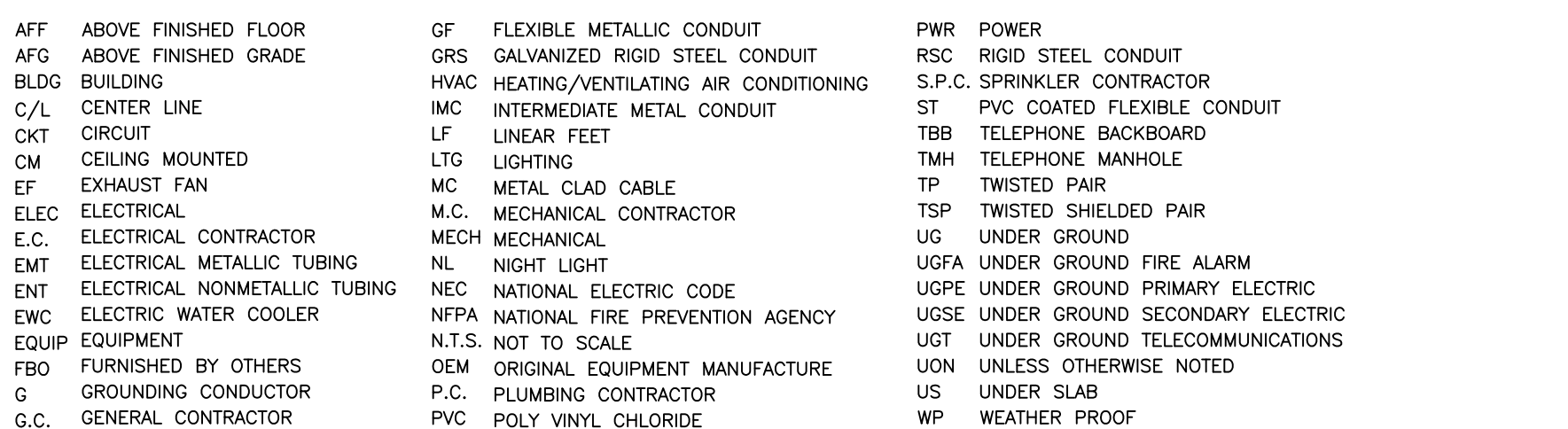
- USE PVC SCHD 80, IMC, OR, GRC AS REQUIRED OR WHERE SUBJECT TO DAMAGE.
- SEE TRENCH DETAIL FOR PLACEMENT, ELEVATION AND WARNINGS.
- COORDINATE UTILITY REQUIREMENTS WHERE APPLICABLE.
- UNDER GROUND CONDUITS TO BE 3/4" DIAMETER MINIMUM.

TYPE	MANUFACTURER	CATALOG NO.	LAMPS	VOLTS	WATTS	MOUNTING	DESCRIPTION
A	METALUX	WN-232A-UV-EB81	(2) F32T8	120	65	SURFACE/CEILING	4' FLUORESCENT ACRYLIC WRAPAROUND
B	METALUX	SSF-232-UV-HB81N-WG/SSF4FT	(2) F28T8	120	65	SUSPENDED/CEILING	4' FLUORESCENT STRIP W/WIRE GUARD
C	METALUX	HBI-654HT5-L5	(6) F54T5HO	120	351	SUSPENDED/CEILING	HIGH OUTPUT FLUORESCENT HI-BAY
D	BRUCK	360075MC (3 HEAD SET)	(3) 20W MR16	120/12	60	SURFACE/CEILING	2' LV TRACK KIT W/3 SPOT TRACK HEADS
E	BRUCK	340096MC (5 HEAD SET)	(5) 50W MR16	120/12	250	SURFACE/CEILING	8' LV TRACK KIT W/5 SPOT TRACK HEADS
F	TERON	VENS-F2260-120E-PSL-AL-35K	(2) F226Q	120	45	SURFACE/WALL	COMPACT FLUORESCENT DECORATIVE WALL SCONCE
F1	TERON	VENS-F2260-120E-PSL-AL-DIM-35K	(2) F226Q	120	45	SURFACE/WALL	COMPACT FLUORESCENT DECORATIVE WALL SCONCE (DIMMABLE)
G	TERON	AR24-217E-120E-SM	(2) F17T8	120	36	SURFACE/WALL	2' FLUORESCENT DECORATIVE WALL BRACKET
W1	MCGRAW EDISON	IST-B02-LED-E1-BL3-BZ	(2) 21W LED	120	42	SURFACE/WALL	EXTERIOR LED WALL PACK TYPE III DISTRIBUTION
W2	MCGRAW EDISON	IST-B02-LED-E1-BL4-BZ	(2) 21W LED	120	42	SURFACE/WALL	EXTERIOR LED WALL PACK TYPE IV DISTRIBUTION
EX	SURE-LITES	LPXH-7-DH	(2) 5.4W INC.	120	7.8	UNIVERSAL	SELF CONTAINED EXIT SIGN W/DUAL HEADS & REMOTE CAPACITY
ER	SURE-LITES	6X54DWWH	(2) 5.4W INC.	6	10.8	SURFACE/WALL	EMERGENCY WEATHER PROOF REMOTE HEAD
EBU1	SURE-LITES	CC2	(2) 5.4W INC.	120	14.4	SURFACE/WALL	EMERGENCY BATTERY UNIT

LIGHTING FIXTURE NOTES

- MANUFACTURERS AND CATALOG NUMBERS INDICATE QUALITY AND INTENT OF LIGHTING FIXTURES TO BE FURNISHED AND ARE NOT INTENDED TO LIMIT ALTERNATE MANUFACTURERS.
- BALLAST FOR FLUORESCENT FIXTURES SPECIFIED WILL BE HIGH PERFORMANCE TYPE ELECTRONIC WITH T8 OR T5 LAMPS AND BEAR CBM-ETL LABEL.
- REVIEW ARCHITECTURAL DRAWING TO COORDINATE FIXTURE MOUNTING AND FINISH CEILING MATERIAL PRIOR TO ORDERING FIXTURES.
- LIGHTING SUPPLIER SHALL COORDINATE COMPACT FLUORESCENT LAMP BASE TYPE WITH FIXTURE LAMP SOCKET AND BALLAST TYPE PER MANUFACTURE'S REQUIREMENTS
- LIGHTING SUPPLIER SHALL COORDINATE HID LAMP BASE TYPE AND BURNING POSITION WITH FIXTURE LAMP SOCKET TYPE AND POSITION PER MANUFACTURE'S REQUIREMENTS

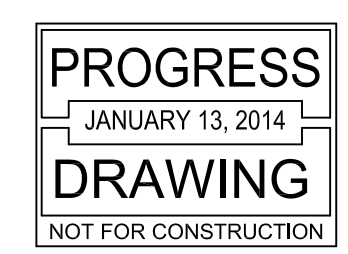
ABBREVIATIONS



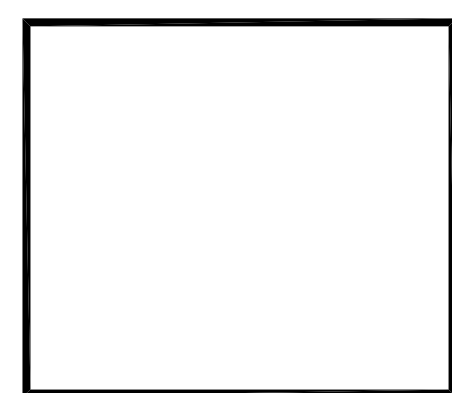
TYPICAL MOUNTING LOCATIONS

MOUNTING LOCATION NOTES:

- MOUNTING HEIGHTS ARE TO CENTER OF DEVICE AND TYPICAL UNLESS OTHERWISE NOTED.
- MOUNTING HEIGHTS FOR CONTROL DEVICES/OPERATING MECHANISMS SHALL CONFORM TO APPLICABLE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDE LINES SECTION 205 AND 309.
- MOUNTING HEIGHTS FOR FIRE ALARM SIGNALING APPLIANCES SHALL CONFORM TO APPLICABLE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDE LINES SECTION 215 AND 702.
- MOUNTING HEIGHTS FOR OUTLETS SERVING ACCESSIBLE TELEPHONES SHALL CONFORM TO APPLICABLE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDE LINES SECTION 217 AND 704.
- COORDINATE AND VERIFY COUNTER TOP AND BACK SPLASH HEIGHTS IN FIELD WITH MILL WORK CONTRACTOR.
- MOUNTING HEIGHTS SHOWN ARE BASED ON CEILING HEIGHTS GREATER THAN 8'-0" COORDINATE DEVICE LOCATION IN AREAS WITH LOWER CEILINGS.



NO.	ISSUE/REVISION	DATE	BY
1	ISSUED FOR PROGRESS	1/13/14	JLEESARD



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DATE: 12-6-13
 DRAWN BY: B.HARLOW
 DESIGNED BY: M.WHITE
 CHECKED BY: M. WHITE
 SCALE: AS SHOWN
 PROJECT NUMBER: ---

LEGEND SCHEDULES NOTES AND KEYS

DRAWING NUMBER
E1
 SHEET 1 OF 4