

GENERAL NOTES

BRAND NAME OR EQUAL HAVE BRANDS USED ON DRAWINGS ARE NOT MEANT TO BE RESTRICTIVE, BUT ONLY TO INDICATE A BRAND THAT REFLECTS THE CHARACTERISTICS AND LEVEL OF QUALITY THAT WILL SATISFY TO GOVERNMENTS NEEDS. THE SALIENT PHYSICAL, FUNCTIONAL, OR PERFORMANCE CHARACTERISTICS THAT EQUAL PRODUCTS MUST BE IDENTIFIED IN THE SPECIFICATIONS AND DRAWINGS.

WALL PATCHING AND REPAIR

EMPLOY SKILLED WORKERS TO PERFORM CUTTING AND PATCHING. PROCEED WITH CUTTING AND PATCHING AT THE EARLIEST FEASIBLE TIME, AND COMPLETE WITHOUT DELAY.

CUT IN-PLACE CONSTRUCTION TO PROVIDE FOR INSTALLATION OF OTHER COMPONENTS OR PERFORMANCE OF OTHER CONSTRUCTION, AND SUBSEQUENTLY PATCH AS REQUIRED TO RESTORE SURFACES TO THEIR ORIGINAL CONDITION.

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PROCEED WITH PATCHING AFTER UNSAFE OR UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

PROTECT IN-PLACE CONSTRUCTION DURING CUTTING AND PATCHING TO PREVENT DAMAGE. PROVIDE PROTECTION FROM ADVERSE WEATHER CONDITIONS FOR PORTIONS OF PROJECT THAT MIGHT BE EXPOSED DURING CUTTING AND PATCHING OPERATIONS.

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CLEAN AREAS AND SPACES WHERE CUTTING AND PATCHING ARE PERFORMED.

ELECTRICAL SHUTDOWNS

- UTILITY WORK THAT WILL REQUIRE A SHUTDOWN OF EXISTING SERVICE WILL BE DONE AT TIMES OTHER THAN NORMAL WORKING HOURS AT NO ADDITIONAL COST TO THE GOVERNMENT. WORK MUST BE SCHEDULED WITH THE VA PROJECT ENGINEER. REFER TO SPECIFICATION SECTION 01 00 00.
- THE VA PROJECT ENGINEER MUST BE NOTIFIED IN WRITING AT LEAST 21 DAYS IN ADVANCE TO SCHEDULE A SHUTDOWN.

ELECTRICAL DEMOLITION NOTES

- THE ELECTRICAL DRAWINGS INDICATE EXISTING ELECTRICAL ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONDUIT, OR WIRE THAT MUST BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS.
- ELECTRICAL ITEMS REMOVED AND NOT RELOCATED REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF MATERIAL. THE OWNER DOES NOT WANT TO REUSE OR RETAIN (i.e., FOR MAINTENANCE PURPOSES).
- THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE OWNER 21 DAYS BEFORE TURNING OFF POWER TO CIRCUITS, FEEDERS, PANELS, ETC. COORDINATE ALL OUTAGES WITH OWNER.
- WHERE CONDUIT IS IN THE CONCRETE SLAB, CUT OFF FLUSH, PULL OUT WIRE, AND PLUG. WHERE CONDUIT IS RUN EXPOSED, ALL ASSOCIATED CLAMPS, SUPPORTS, HANGERS, ETC., SHALL ALSO BE REMOVED. CONDUIT CONCEALED IN WALL CONSTRUCTION MAY BE ABANDONED IN PLACE IF NOT AFFECTED BY OTHER CONSTRUCTION. CONDUCTORS TO BE REMOVED.
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DISCONNECT AND STARTER SCHEDULE

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|--|--|-----|--|---|-----------|-----------------|---------|-------|--|------|----------------|---------|--|
| | | | | REMARKS: | | | | | | | | | |
| STARTER TYPE: PV - FULL VOLTAGE VD - VVYE- DELTA RE - REVERSING TW - 2 SPEED, 2 WINDING TS - 2 SPEED, 1 WINDING RV - REDUCED VOLTAGE AUTOXFORMER SS - SOLID STATE MS - MANUAL STARTER MX - MANUAL SWITCH FS - FUSED SWITCH | | | | SA - STANDARD ACCESSORIES (INCLUDES 4 ITEMS) CT - CONTROL TRANSFORMER, FUSED 120V EO - ELECTRONIC OVERLOAD HA - HAND-OFF-AUTO IN DOOR RP - RED RUN/PILOT LIGHT IN DOOR TA - TWO CONVERTIBLE AUXILIARY CONTACTS SN - INSULATED NEUTRAL ASSEMBLY | | | | | | | | | |
| | | | | PF - PHASE FAILURE RELAY (5 HP OR GREATER) TO - MELTING THERMAL OVERLOADS TS - 2 SPEED SELECTOR SWITCH IN DOOR GP - GREEN (OFF) PILOT LIGHT IN DOOR EI - 4-CONVERTIBLE AUXILIARY CONTACTS EL - ELECTRICAL INTERLOCK (2)N.O.& (2)N.C SS - START-STOP POSITIONING IN DOOR RL - HANDLE PADLOCK HASP | | | | | | | | | |
| | | | | NOTE: ALL DISCONNECTS (EXCEPT MANUAL STARTERS) SHALL BE HEAVY DUTY TYPE. | | | | | | | | | |
| | | | | DISCONNECT TYPE & RATING | | | STARTER | | | | | | |
| | | | | HEAVY DUTY | NON-FUSED | CIRCUIT BREAKER | VOLTAGE | POLES | NEMA SIZE | TYPE | NEMA ENCLOSURE | REMARKS | APPROVED MANUFACTURERS |
| | | | | ITEM | FUSED | NON-FUSED | | | | | | | |
| | | | | (DS400) | | 400A | | 600 | 3 | | | 1 | SQUARE D 3110 HUS65 CUTLER-HAMMER TYPE DH GENERAL ELECTRIC TYPE TH SIEMENS TYPE HNF OR APPROVED EQUAL |
| (DS60) | | 60A | | 600 | 3 | | | 1 | SQUARE D 3110 HUS62 CUTLER-HAMMER TYPE DH GENERAL ELECTRIC TYPE TH SIEMENS TYPE HNF OR APPROVED EQUAL | | | | |
| (DS90) | | 30A | | 600 | 3 | | | 1 | SQUARE D 3110 HUS61 CUTLER-HAMMER TYPE DH GENERAL ELECTRIC TYPE TH SIEMENS TYPE HNF OR APPROVED EQUAL | | | | |
| (DS30R) | | 30A | | 600 | 3 | | | 3R | SQUARE D 3110 HUS61RB CUTLER-HAMMER TYPE DH GENERAL ELECTRIC TYPE TH SIEMENS TYPE HNF OR APPROVED EQUAL | | | | |
| (MX1) | | | | 208 | 2 | | MX | 1 | RP SQUARE D 2510 CUTLER-HAMMER GENERAL ELECTRIC SIEMENS TYPE OR APPROVED EQUAL | | | | |














TRANSFER SWITCH SCHEDULE

| SWITCH TYPE: | | | | | | ACCESSORIES (ACC) | | | |
|--------------------------------------|------|---------|---------|------|---|---|---|---|--|
| AUTO - AUTOMATIC | | | | | | EE - ENGINE EXERCISER | | | |
| B1 - AUTOMATIC WITH BYPASS ISOLATION | | | | | | IM - INPHASE MOTOR | | | |
| MAN - MANUAL OPERATION | | | | | | SH - STRIP HEATER WITH THERMOSTAT | | | |
| CT - CLOSED TRANSITION | | | | | | RM - REMOTE ANNUNCIATOR | | | |
| DT - DELAY TRANSITION | | | | | | RG - REMOTE CONTROL CIRCUITS | | | |
| STAT - STATIC SOLID STATE | | | | | | EL - ELEVATOR EMERGENCY TO NORMAL PRESIGNAL | | | |
| | | | | | | SP - SERIAL COMMUNICATIONS PORT | | | |
| SN - SWITCHED NEUTRAL | | | | | | PM - POWER MONITORING METER | | | |
| ON - OVERLAPPING SWITCHED NEUTRAL | | | | | | | | | |
| DN - SOLID NEUTRAL | | | | | | | | | |
| SWITCH | | | | | | NEMA ENCLOSURE | | | |
| ITEM | TYPE | VOLTAGE | POLES | AMPS | | ACC | REMARKS | APPROVED MANUFACTURERS | |
| (ATS90-1) | B1 | 208 | 3 DN | 800 | 1 | EE SP PM | MAXIMUM DIMENSIONS 48" W x 36" D x 96" H SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION | CATERPILLAR CBTS SERIES ASKO 7A7B SERIES RUSSELECTRIC RTB SERIES GE ZENITH ZBT5 SERIES CUMMINS BTPC SERIES OR APPROVED EQUAL | |
| (ATS90-2) | B1 | 208 | 3 DN | 400 | 1 | EE SP PM | MAXIMUM DIMENSIONS 36" W x 36" D x 96" H SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION | CATERPILLAR CBTS SERIES ASKO 7A7B SERIES RUSSELECTRIC RTB SERIES GE ZENITH ZBT5 SERIES CUMMINS BTPC SERIES OR APPROVED EQUAL | |

LUMINAIRE SCHEDULE

| MOUNTING: (MTG) | | LAMP TYPE: | | | | LENS/COVER: (L/L) | | | |
|---|---------------------------|---------------------------------|-----|------|------------------|---------------------------------------|----|---|--|
| RE - RECESSED | | FL - FLUORESCENT | | | | A - 12" ACRYLIC | | | |
| SP - SUSPENDED | | CF - COMPACT FLUORESCENT | | | | B - BLACK BAFFLE | | | |
| CL - CEILING SURFACE | | HL - HALOGEN | | | | C - CLEAR ALZAK | | | |
| WL - WALL | | IN - INCANDESCENT | | | | D - PARABOLIC | | | |
| UC - UNDER CABINET | | LED - LIGHT EMITTING DIODE | | | | F - FRESNEL | | | |
| CV - COVE | | HS - HIGH PRESSURE SODIUM | | | | G - TEMPERED GLASS | | | |
| PL - POLE | | MH - METAL HALIDE | | | | H - WALL WASHER | | | |
| O - OTHER (SEE DESCRIPTION) | | SMH - SUPER METAL HALIDE | | | | K - POLYCARBONATE | | | |
| | | PSMH - PULSE START METAL HALIDE | | | | K - KSH12 125V ACRYLIC | | | |
| | | CMH - CERAMIC METAL HALIDE | | | | K19 - KSH19 156V ACRYLIC | | | |
| | | O - OTHER (SEE DESCRIPTION) | | | | L - LOW IRIDESCENT SPECULAR ALUM. | | | |
| | | XL - EXTENDED LIFE | | | | N - NONE | | | |
| | | XLP - EXTENDED LIFE & OUTPUT | | | | R - HIGH IMPACT OR ACRYLIC | | | |
| | | | | | | O - OTHER (SEE DESCRIPTION) | | | |
| | | BALLAST: (BLS) | | | | BWB - BALLAST FACTOR | | | |
| FINISH: | | DM - DIMMING BALLAST | | | | HL - HIGH / LOW LEVEL BALLAST | | | |
| PAF - PAINT AFTER FABRICATION | | EB - ELECTRONIC BALLAST | | | | HP - HIGH PERFORMANCE-LOW BALL FACTOR | | | |
| CSA - FINISH SELECTION BY ARCHITECT | | EM - EMERGENCY BATTERY/BALLAST | | | | ML - MULTI-LEVEL SWITCHING | | | |
| | | DAL - DIGITAL DIMMING BALLAST | | | | MY - MULTI-VOLTAGE ELECTRONIC | | | |
| CATALOG NUMBER SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. THE COMPLETE DESCRIPTION AND THE SPECIFICATION SHALL BE COORDINATED WITH THE CATALOG NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE FIRST MANUFACTURER LISTED IS THE BASIS FOR DESIGN. REFER TO SPECIFICATION SECTIONS LIGHTING 26 51 00 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. | | | | | | | | | |
| ALL LAMPS FOR THIS PROJECT SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED. FLUORESCENT LAMP CORRELATED COLOR TEMPERATURE 4100K COLOR RENDERING INDEX (CRI) AT OR ABOVE 75. UNLESS NOTED OTHERWISE. | | | | | | | | | |
| ITEM | DESCRIPTION | SIZE | MTG | LAMP | QUANTITY & SIZE | VOLTS / BLS | UL | APPROVED MANUFACTURER | |
| FTE | 4" STANDARD CHANNEL STRIP | 4.5' W x 12" D | CL | FL | 2 32WATT F32T RS | 120V | N | METALUX SS-232 LITHONIA DAY-BRITE H.E.WILLIAMS COLUMBIA OR APPROVED EQUAL | |

ELECTRICAL SYMBOL LIST

| SYMBOL: | DESCRIPTION: |
|---|--|
|  | 3 = 3-WAY SWITCH |
|  | DUPLEX RECEPTACLE |
|  | GROUND FAULT DUPLEX RECEPTACLE |
|  | ELECTRICAL CONNECTION, CEILING/FLOOR MOUNTED |
|  | ELECTRICAL CONNECTION, WALL MOUNTED |
|  | JUNCTION BOX |
|  | DISCONNECT SWITCH |
|  | MANUAL MOTOR STARTER |
|  | SURFACE MOUNTED PANELBOARD |
|  | SWITCHBOARD |
|  | DISTRIBUTION PANELBOARD |
|  | SPUCE BOX |
|  | 4' INDUSTRIAL LUMINAIRE |