

ELECTRICAL SPECIFICATIONS

CODES AND PERMITS: ALL WORK TO BE DONE IN ACCORDANCE WITH APPLICABLE LOCAL AND STATE CODES. PERMIT AND CONNECTION FEES TO BE PAID BY CONTRACTORS AS REQUIRED.

WARRANTY: WORK AND MATERIALS TO BE WARRANTED FOR ONE (1) YEAR AFTER PROJECT COMPLETION.

MANUFACTURER'S INSTALLATION INSTRUCTIONS: ALL EQUIPMENT TO BE INSTALLED IN STRICT ACCORD WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.

EQUIPMENT NAMEPLATE DATA: ADJUST RATINGS AND TYPES OF OVERCURRENT PROTECTION DEVICES TO COMPLY WITH ACTUAL NAMEPLATE DATA OF EQUIPMENT. COORDINATE REQUIREMENTS WITH OTHER CONTRACTORS AND VENDORS.

RACEWAYS: INTERIOR - EMT WITH COMPRESSION OR SET-SCREW FITTINGS. CONCEAL IN FINISHED AREAS.

EQUIPMENT AND RECESSED LIGHTING FIXTURE CONNECTIONS - FLEXIBLE METALLIC CONDUIT, LIQUIDTIGHT ON EXTERIOR.

INTERIOR, EXISTING CONSTRUCTION WHERE CONCEALMENT IS IMPRACTICAL - SURFACE METAL RACEWAY SYSTEM EQUAL TO WIREMOLD 2000, UNLESS OTHERWISE DIRECTED.

OUTLET BOXES: INTERIOR - GALVANIZED STEEL, EXTERIOR - CAST ALUMINUM. DO NOT INSTALL BOXES BACK-TO-BACK IN FIRE-RATED WALLS, MINIMUM HORIZONTAL OFFSET TO BE 24".

WIRING DEVICES: TOGGLE SWITCHES: SPECIFICATION GRADE, AC ONLY, 20A 120V-277V RATING, FULL SIZE HANDLE (FRAMED TOGGLE NOT ACCEPTABLE.), SIDE WIRED, VERIFY COLOR.

DUPLEX RECEPTACLES: SPECIFICATION GRADE, AC/DC, 20A 125V RATING, AUTOMATIC GROUNDING CLIP, SIDE WIRED, TAMPER-RESISTANT, GFCI-TYPE WHERE INDICATED OR REQUIRED. VERIFY COLOR. IN ADDITION, DEVICES TO BE HOSPITAL GRADE IN AREAS CLASSIFIED AS "PATIENT CARE AREAS" BY NEC ARTICLE 517.

WIRING DEVICES WITH ISOLATED GROUND TO BE CIRCUITED WITH EQUIPMENT GROUNDING AND ISOLATED GROUNDING CONDUCTORS, EACH WITH UNIQUE COLOR CODING.

FLOOR MOUNTED DEVICES: FLOOR RECEPTACLES (POKE-THROUGH, FLUSH MOUNTED): FIRE-RATED POKE-THROUGH ASSEMBLY, 3/4" CONDUIT STUB DOWN TO GALVANIZED STEEL BOX WITH BLANK COVERPLATE, PRE-WIRED 20A DUPLEX RECEPTACLE, TWO LOW VOLTAGE KNOCKOUTS, PAINTED ALUMINUM TOP AND TRIM. INSTALL ASSEMBLY IN 3" DIAMETER CORE-DRILLED HOLE.

SINGLE DUPLEX - HUBBELL P17FS0GY

NOTE: USE ASSEMBLY BELOW IF HOSPITAL-GRADE RECEPTACLE IS REQUIRED.

FLOOR RECEPTACLES (POKE-THROUGH, FLUSH MOUNTED): FIRE-RATED POKE-THROUGH ASSEMBLY, 3/4" CONDUIT STUB DOWN TO GALVANIZED STEEL BOX WITH BLANK COVERPLATE, THREE (3) GANG CONFIGURATION WITH (2) PRE-WIRED 20A DUPLEX RECEPTACLES, AND CENTER SECTION WITH DECORA STYLE HOSPITAL-GRADE DUPLEX RECEPTACLE (AS APPLICABLE), PAINTED ALUMINUM TOP AND TRIM. INSTALL ASSEMBLY IN 6" DIAMETER CORE-DRILLED HOLE.

DOUBLE DUPLEX - LEGRAND (WIREMOLD) 6ATC2PGY

COVER PLATES: INTERIOR - STAINLESS STEEL ON FLUSH BOXES (FINISHED AREAS), GALVANIZED STEEL WITH ROUNDED EDGES ON SURFACE MOUNTED BOXES (UNFINISHED AREAS ONLY).

EXTERIOR - WEATHERPROOF GFI COVERPLATES TO BE CAST ALUMINUM.

DIMMER SWITCHES, WALL-MOUNT DIMMERS (LED, 0-10V): SOLID STATE CIRCUITRY, ARCHITECTURAL PRESET SLIDE DIMMER, SEPARATE ON-OFF SWITCH, 100W-1K DIMMING OF LED DRIVERS USING 0-10 VDC, DESIGNER-STYLE FACEPLATE WITH IVORY FINISH, 8.0 AMPS CAPACITY, 120V-277V RATED, UL LISTED.

SINGLE POLE FUNCTION LUTRON "DIVA" DV5CTV 3-WAY FUNCTION LUTRON "DIVA" DV5CTV

DIMMERS (LED, FLV): SOLID STATE CIRCUITRY, ARCHITECTURAL PRESET SLIDE DIMMER, SEPARATE ON-OFF SWITCH, 100W-1K DIMMING OF LED FIXTURES USING ELECTRONIC LOW VOLTAGE, DESIGNER-STYLE FACEPLATE WITH IVORY FINISH, 600 VA CAPACITY, 120V RATED, UL LISTED.

SINGLE POLE FUNCTION LUTRON "LYNED LX" LXELV-600PL 3-WAY FUNCTION LUTRON "LYNED LX" LXELV-600PL

MOTION DETECTOR SWITCHES: ELECTRONIC, PASSIVE INFRARED, WALL BOX SWITCH, SPST, AUTO/OFF, LED SENSING VERIFICATION, 30-SECOND TO 30-MINUTE TIME DELAY OFF, PUSH BUTTON FOR MANUAL OFF CAPABILITY, RATED 800W INCANDESCENT/1000W FLUORESCENT AT 120 VOLTS AND 1800W FLUORESCENT AT 277 VOLTS. MOUNT IN SINGLE GANG J-BOX, 2-WIRE OPERATION.

LEVITON 00S15-ID OR HUBBELL WS1201 (120V) LEVITON 00S10-ID OR HUBBELL WS2771 (277V)

MOUNTING HEIGHTS: WIRING DEVICES, AND OTHER EQUIPMENT TO, UNLESS NOTED OTHERWISE, BE MOUNTED WITH RESPECT TO INDICATED SURFACE AS FOLLOWS:

RECEPTACLES: 16" AFF (GENERAL USE) 8" ABOVE WORK SURFACE (AT BUILT-IN MILLWORK) 42" AFF (ADJACENT TO LAVATORY OR SINK IN TOILET) 48" AFF SWITCHES: SAME AS RECEPTACLES THERMOSTATS: 48" AFF F/A FULL STATION: 48" AFF F/A SIGNAL: 80" AFF TELEVISION/CATV: 72" AFF (OR AS INDICATED) PANELBOARDS: 78" TO TOP OF BOX OR SWITCH (PER NEC 380-14.1)

WIRING: COPPER, TYPE THW, XHHW-2 OR THHN/THWN-2, 600 VOLTS, #12 AND MINIMUM SIZE.

METAL CLAD CABLE (MC): METAL CLAD CABLE (TYPE MC) TO HAVE INDIVIDUALLY INSULATED COPPER CONDUCTORS, INCLUDING INSULATED GREEN GROUNDING WIRE, 600V INSULATION, TYPE THHN/THWN, INTERLOCKING ALUMINUM ARMOR.

USE: 20-AMP BRANCH CIRCUITS (WHEN ACCEPTABLE TO LOCAL AHJ).

METAL CLAD CABLE (TYPE MC-PCS) TO BE INSTALLED FOR POWER AND CONTROL, WITH INDIVIDUALLY INSULATED COPPER CONDUCTORS FOR POWER, INCLUDING INSULATED GREEN GROUNDING WIRE, 600V INSULATION, TYPE THHN/THWN, PLUS 16" CONTROL WIRING (PURPLE AND GRAY COLOR), AND OVERALL INTERLOCKING ALUMINUM ARMOR.

USE: 20-AMP LIGHTING CIRCUITS WITH 0-10V DIMMING (WHEN ACCEPTABLE TO LOCAL AHJ).

METAL CLAD CABLE (TYPE MC-AP): FOR USE IN HEALTH CARE AREAS COVERED BY NEC ARTICLE 517, TO HAVE INDIVIDUALLY INSULATED COPPER CONDUCTORS, INCLUDING INSULATED GREEN GROUNDING WIRE, 600V INSULATION, TYPE THHN/THWN, INTERLOCKING ALUMINUM ARMOR WITH GREEN COLOR, AND ADDITIONAL FULL-SIZE ALUMINUM GROUNDING AND BONDING CONDUCTOR.

USE: 20-AMP BRANCH CIRCUITS, NON-ESSENTIAL ELECTRICAL SYSTEMS (WHEN ACCEPTABLE TO LOCAL AHJ).

WIRES AND CABLES INSTALLATION: ALL SPLICES, TAPS, CONNECTIONS, TERMINATIONS, ETC., TO BE MADE WITH APPROPRIATE CONNECTORS IN A WORKMANLIKE MANNER AND IN COMPLIANCE WITH N.E.C.

MULTIWIRE BRANCH CIRCUITS ARE NOT PERMITTED. MULTIPLE LIGHTING AND APPLIANCE CIRCUITS MAY NOT BE COMBINED TO UTILIZE COMMON NEUTRAL CONDUCTOR. (REFER TO 2008 NEC 210.4)

ALL 15A AND 20A CIRCUIT WIRING TO BE MINIMUM #12 AWG, OR LARGER AS INDICATED. PROVIDE #10 AWG WHERE CIRCUIT HOMERUNS EXCEED 60 FEET (120V).

USE CONDUCTORS NOT SMALLER THAN #14 AWG FOR CLASS 1 CONTROL AND SIGNAL CIRCUITS. USE CONDUCTORS NOT SMALLER THAN #16 AWG FOR CLASS 2 LOW ENERGY REMOTE CONTROL AND SIGNAL CIRCUITS. CONDUCTORS FOR SPECIAL SIGNAL, COMMUNICATIONS, AND SIMILAR SYSTEMS SHALL BE SIZED AS INDICATED ON DRAWINGS OR AS REQUIRED BY VENDOR.

SPLICES FOR ANY COMBINATION OF STRANDED AND/OR SOLID COPPER WIRE UP TO #8 OR #6 TO BE MADE WITH SOLDERLESS ELECTRICAL SPRING CONNECTOR TYPE. SPLICES FOR LARGER WIRE TO BE SOLDERLESS COMPRESSION INDENTION TYPE PROPERLY TAPED.

LIGHTING FIXTURES: AS SCHEDULED, COMPLETE WITH LAMPS OR LED SOURCES.

EXIT AND EMERGENCY LIGHTING: PROVIDE EXIT LIGHTING FIXTURES LOCATED AND ARRANGED TO CLEARLY INDICATE EGRESS PATHS. FIXTURES AND INSTALLATION SHALL COMPLY WITH NFPA #101 SECTION 5-10.

PROVIDE EMERGENCY LIGHTING FIXTURES LOCATED AND ARRANGED TO ILLUMINATE EGRESS PATHS WITH 1.0 FOOTCANDLE (MIN.). FIXTURES AND INSTALLATION SHALL COMPLY WITH NFPA #101 SECTION 5-9.

CONNECT FIXTURES TO UNSWITCHED CONDUCTOR OF LOCAL LIGHTING CIRCUIT SUCH THAT BATTERY POWER SUPPLY AUTOMATICALLY ILLUMINATES LAMPS WHEN NORMAL POWER SUPPLY IS INTERRUPTED.

TELEPHONE CONDUIT SYSTEM: PROVIDE OUTLET BOX, BLANK COVER PLATE WITH BUSHED HOLE, AND 3/4" EMT STUB INTO ACCESSIBLE CEILING SPACE FOR EACH OUTLET.

COMPUTER CONDUIT SYSTEM: PROVIDE OUTLET BOX, BLANK COVER PLATE WITH SUITABLE TERMINATION, AND 3/4" EMT STUB INTO ACCESSIBLE CEILING SPACE FOR EACH OUTLET.

ELECTRICAL SERVICE AND METERING PROVISIONS: UTILIZE EXISTING ELECTRICAL SERVICE AND METERING.

PANELBOARDS: USE EXISTING. CIRCUIT BREAKERS TO BE FULL MODULE TYPE. HALF-SIZE OR PIGGY-BACK TYPE ARE NOT ACCEPTABLE. PROVIDE AIC RATINGS AS REQUIRED TO ACCOMMODATE AVAILABLE FAULT CURRENT VALUES.

CIRCUIT BREAKER PARAMETERS FOR CIRCUITS SERVING EQUIPMENT AND MOTOR LOADS ARE PROVIDED FOR ESTIMATING PURPOSES ONLY. CIRCUIT BREAKERS TO BE COORDINATED WITH VENDORS AND OTHER CONTRACTORS TO MATCH NAMEPLATE DATA OF INSTALLED EQUIPMENT.

ADJUST CIRCUIT BREAKER LOCATIONS ON PANELBOARD BUSES AS REQUIRED TO BALANCE LOADS BETWEEN ALL PHASES TO WITHIN 10%.

PROVIDE PRINTED LABELS FOR PANELS INDICATING "MARK/ID", AND VOLTAGE/PHASE DESCRIPTION. PROVIDE BREAKER LABELS (NUMERICAL) AND TYPED CIRCUIT DIRECTORY.

DISCONNECTS: HEAVY-DUTY SAFETY SWITCHES, QUICK-MAKE, QUICK-BREAK OPERATION. ENCLOSURES AS SPECIFIED BELOW.

ENCLOSURES FOR ELECTRICAL EQUIPMENT: GENERAL: PROVIDE SUITABLE ENCLOSURES FOR SAFETY SWITCHES, STARTERS, CONTACTORS, PANELBOARDS, TVSS UNITS, CONTROL DEVICES, AND OTHER ELECTRICAL EQUIPMENT.

CONSTRUCTION: ENCLOSURES IN LOCATIONS NOT SUBJECT TO CORROSION TO BE CONSTRUCTED OF CODE GAUGE STEEL WITH BAKED ENAMEL FINISH. IN LOCATIONS SUBJECT TO CORROSION, ENCLOSURES TO BE CONSTRUCTED OF SUITABLE MATERIALS AND FINISHES.

NEMA TYPE: ENCLOSURES TO HAVE NEMA CONFIGURATIONS AS FOLLOWS:

NEMA 1 - INDOOR, DRY LOCATIONS NEMA 3R - OUTDOOR, LOCATIONS SUBJECT TO RAIN, SLEET, ICE

IDENTIFICATION AND NAMEPLATES: GENERAL: CLEARLY AND PERMANENTLY IDENTIFY ALL MAJOR ELECTRICAL COMPONENTS AS SPECIFIED BELOW.

PRINTED LABELS: LABELS TO BE PREPARED USING "LABEL-MAKING MACHINE", WITH 1/2" HIGH PRIMARY LETTERS AND 5/16" HIGH SECONDARY LETTERS (BLACK LETTERS ON WHITE SURFACE). LABELS TO BE SECURED WITH SELF-ADHESIVE BACKING, OR OTHER APPROVED PERMANENT MOUNTING METHOD. PROVIDE LABELS FOR THE FOLLOWING COMPONENTS:

CONTACTORS, TIME CLOCKS, DISCONNECT SWITCHES.

MISCELLANEOUS LABELS REQUIRED BY CODE - EXAMPLES INCLUDE: NEC 110-22 AND 230-2.

CIRCUIT ORIGIN: PROVIDE CIRCUIT/FEEDER DATA (CIRCUIT DESIGNATION) FOR EVERY MAJOR ELECTRICAL COMPONENT, AND POWER CIRCUITS FOR HVAC AND PLUMBING EQUIPMENT.

GROUNDING AND BONDING: ELECTRICAL GROUNDING AND BONDING TO CONFORM TO ARTICLE 250 OF NEC. NEUTRAL CONDUCTORS, CABLE SHIELDS AND SHEATHS, METALLIC CONDUITS, JUNCTION BOXES ENCLOSURES AND ALL CONDUCTIVE NON-CURRENT CARRYING PARTS OF EQUIPMENT SHALL BE GROUND.

ALL BRANCH CIRCUITS AND FEEDERS TO BE PROVIDED WITH INSULATED (GREEN COLOR) GROUNDING CONDUCTORS SIZED PER NEC 250.122.

CONNECT GROUNDING CONDUCTORS TO EQUIPMENT AND TO EXPOSED METAL COMPONENTS THAT COULD BECOME ENERGIZED. WHERE DEVICE DOES NOT HAVE A GROUNDING CONNECTION, CONNECT CONDUCTOR TO BOX (OR GROUNDING CLIP) WHERE DEVICE IS INSTALLED.

ALL RACEWAYS 1-1/4" SIZE AND LARGER TO BE TERMINATED AT ENCLOSURES, WIREWAYS, PULLBOXES, PANELBOARDS, ETC. WITH GROUNDING TYPE BUSHINGS, EQUAL TO OZ GEDNEY TYPE BLG OR SBLG. BUSHINGS TO BE CONNECTED BY #6 AWG SOLID BARE COPPER BONDING JUMPER TO EQUIPMENT GROUNDING CONDUCTOR OR CLAD CABLE. ALL RACEWAYS CONTAINING CIRCUITS OVER 250V TO GROUND TO COMPLY WITH NEC 50.9.

FIRESTOPPING AND FIRE-SMOKE CAULKING: PENETRATIONS OF FIRE-RATED BUILDING COMPONENTS BY PIPES, RACEWAYS, AND WIRING/CABLING SHALL BE STOPPED WITH APPROPRIATE FIRE BARRIERS. METHODS AND MATERIALS SHALL BE UL LISTED AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM-E814/UL1479.

JOINTS AND OPENINGS SHALL BE SEALED WITH INTUMESCENT CAULK/SEALANT, EQUAL TO STI "LCI SEALANT", 3M "D-75", OR DOW CORNING #2000. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

WHERE ELECTRICAL BOXES ARE INSTALLED IN STUD WALL RATED ASSEMBLIES, PROVIDE INTUMESCENT PUTTY PADS AROUND EXTERIOR OF BOX, EQUAL TO STI "SSP PUTTY PADS".

WHERE UL LISTED SYSTEMS (XHEZ THROUGH-PENETRATION FIRESTOP SYSTEMS) ARE REQUIRED, USE COMPONENTS AS MANUFACTURED BY: 3M, DOW CORNING, HILTI, METALINES, STI, HEVI-DUTY NELSON, OR JOHNS-MANVILLE.

PENETRATIONS OF SMOKE-TIGHT BUILDING COMPONENTS BY RACEWAYS AND WIRING/CABLING SHALL BE PROVIDED WITH APPROPRIATE SMOKE-TIGHT CAULKING. METHODS AND MATERIALS SHALL BE UL LISTED AND SHALL CONFORM TO THE REQUIREMENTS OF APPLICABLE ASTM/UL STANDARDS.

FIRE ALARM SYSTEM MODIFICATIONS: PROVIDE EXTENSIONS/MODIFICATIONS OF BUILDING FIRE ALARM SYSTEM IN TENANT-FINISH AREA AND, CONSISTING OF ALARM INITIATION DEVICES AND NOTIFICATION DEVICES. ALL EQUIPMENT TO BE UL LISTED. SYSTEM AND INSTALLATION TO CONFORM TO NFPA 72, 101, NEC ARTICLE 760, AND LOCAL AUTHORITIES HAVING JURISDICTION.

NEW DEVICES TO BE COMPATIBLE WITH EXISTING SYSTEM, AS APPLICABLE.

INSTALLATION: MANUFACTURER TO FURNISH QUALIFIED EMPLOYEE TO SUPERVISE INSTALLATION, TO CHECK OUT ON FINAL, AND TO SERVICE FROM BRANCH OFFICE LOCATED WITHIN 100 MILES DURING WARRANTY PERIOD.

ALL EQUIPMENT TO BE WIRED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND SYSTEM SHALL BE WARRANTED FOR A PERIOD OF ONE YEAR (1 YEAR).

STROBE SYNCHRONIZATION: STROBES INSTALLED IN THE SAME "FIELD OF VIEW" AND LESS THAN 55 FEET APART MUST BE SYNCHRONIZED.

SYSTEM WIRING: WIRING TO BE INSTALLED IN RACEWAYS. SYSTEM WIRING AND INSTALLATION TO BE IN COMPLIANCE WITH APPLICABLE CODES, PROJECT DRAWINGS AND AS REQUIRED BY MANUFACTURER. ALL JUNCTION BOXES CONTAINING FIRE ALARM SYSTEM WIRING TO BE CLEARLY IDENTIFIED WITH RED PAINT.

HARD-WIRED DEVICE CIRCUITS: WIRE TO BE #16 AWG (MIN.) SOLID COPPER, 300 VOLT INSULATION.

ADDRESSABLE DEVICE CIRCUITS: WIRE TO BE DATA-GRADE CABLE, EQUAL TO WPW #0975 OR #0976, #18 AWG SOLID COPPER, SHIELDED, 300 VOLT INSULATION.

SYSTEM TESTING: COMPLETED SYSTEM TO BE TESTED IN ACCORDANCE WITH NFPA STANDARD 72H. PROVIDE LETTER TO ARCHITECT AFTER COMPLETION AND FINAL CHECK-OUT OF SYSTEM VERIFYING THAT SYSTEM HAS BEEN CHECKED OUT AND IS OPERATING PROPERLY.

LIGHTING FIXTURE SCHEDULE

Table with 5 columns: MARK, DESCRIPTION, MOUNTING, LAMPS QTY & TYPE FIXTURE WATTS, MANUFACTURER AND CATALOG NO., ACCESSORIES AND REMARKS. Includes rows for A, A2, B, B2, F, G, N, X, XA, and XD.

NOTES, GENERAL:

- 1. EXIT AND EMERGENCY LIGHTING FIXTURES TO HAVE POWER PACKS WITH PURE-LEAD, LEAD-CALCIUM, OR NICAD BATTERIES. POWER PACKS TO OPERATE FOR PURE LEAD FOR 90 MINUTES. CONNECT POWER PACKS TO UNSWITCHED CONDUCTOR OF LOCAL LIGHTING CIRCUIT. 2. EXIT LIGHTING FIXTURES TO HAVE ARROW AND NO-FACE CONFIGURATION APPROPRIATE FOR SPECIFIC LOCATION AND APPLICATION. 3. VERIFY SYSTEM/CABLE LENGTH AND SUSPENSION FIXTURES WITH ARCHITECT/ENGINEER PRIOR TO PLACING FIXTURE ORDER. 4. MOUNTING HEIGHTS OF EXPOSED SURFACES OF FIXTURES WITH ARCHITECT PRIOR TO PLACING FIXTURE ORDER. 5. FIXTURE MOUNTING HEIGHTS ARE APPROXIMATE. VERIFY ACTUAL MOUNTING HEIGHTS WITH ARCHITECT/ENGINEER PRIOR TO ROUGH-IN.

NOTE REFERENCES:

- 1. CONNECT FIXTURE TO EQUIPMENT CONTROL PANEL(S) SO FIXTURE ILLUMINATES WHEN X-RAY EQUIPMENT IS ENERGIZED.

ELECTRICAL SYMBOLS

Table of electrical symbols including descriptions like ARROW INDICATES CIRCUIT HOMERUN, TICK MARKS INDICATE WIRE QUANTITY, and symbols for switches, receptacles, and outlets.

\* REFER TO DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION \*\* HANDLE OR OPERATOR-DEVICE MUST BE LOCATED NO MORE THAN 48" AFF, FOR COMPLIANCE WITH ADA

BRANCH CIRCUIT WIRING SCHEDULE

Table with 2 columns: Description of Branch Circuit Over-Current Protection Device, Description of Wiring. Lists various wire sizes and configurations for different circuit types.

Abbreviations: A - AMP, SP - SINGLE POLE, N - NEUTRAL, C - CONDUIT, 2P - TWO POLE, 3P - THREE POLE, EG - EQUIPMENT GROUNDING CONDUCTOR, IG - ISOLATED GROUND CIRCUIT

NOTES: 1. Confirm necessity of neutral conductor prior to bid. If the neutral conductor is required, size it the same as the associated line conductors. Resize conduit up one trade size if necessary. 2. Conduit sizes are based on conductors in EMT. Resize conduit as required for PVC. Flexible conduit or rigid steel. 3. Use this table to size branch circuit wiring unless a specific circuit is indicated elsewhere on the drawings.

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PRELIMINARY PRICING SET NOT FOR CONSTRUCTION

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