ELECTRICAL GENERAL NOTES

BASIC MATERIALS AND METHODS

GENERAL:

1. THE USE OF ASBESTOS MATERIALS, PCB's OR ANY OTHER MATERIAL KNOWN TO ENDANGER THE HEALTH AND SAFETY OF CONSTRUCTION WORKERS OR FUTURE OCCUPANTS SHALL BE PROHIBITED IN THE CONSTRUCTION OF THE PROJECT.

CODES, PERMITS AND FEES:

1. WORK UNDER THIS DIVISION SHALL COMPLY WITH PERTINENT PROVISIONS OF OSHA BUILDING CODES.
2. ALL WORK SHALL COMPLY WITH LOCAL ELECTRICAL CODES AND NATIONAL ELECTRICAL CODE AND CURRENT SUPPLEMENTS THERETO.
3. OBTAIN ALL REQUIRED PERMITS. PAY ALL LEGAL FEES FOR PERMITS AND INSTPECTION BY AUTHORITIES HAVING JURISDICTION.

MATERIALS:

1. NEW AND BEST GRADE OF STANDARD MANUFACTURER. APPROVED BY UL AND BE SO LABELED.

WORK NOT INCLUDED:

1. ALL MOTORS FOR MECHANICAL EQUIPMENT TOGETHER WITH THE ASSOCIATED MOTOR CONTROLLERS, STARTERS AND REMOTE CONTROL DEVICES, ELECTRICAL HEATING EQUIPMENT WITH CONTRACTORS, INDIVIDUAL ELEMENT PROTECTION, ETC., WILL BE FURNISHED UNDER SECTION 15 OF THE SPECIFICATIONS.

IDENTIFICATION:

1. PROVIDE A BLACK FINISH, WHITE CORE ENGRAVED NAMEPLATE FOR 120 AND 208 VOLT FEEDER SWITCHES, PANELBOARDS, DISCONNECT SWITCHES, FEEDER BREAKERS, CIRCUIT BREAKERS, CONTRACTORS, ETC.
2. EACH PANELBOARD SHALL BE PROVIDED WITH A DIRECTORY FRAME ON INSIDE OF CABINET DOOR. A NEAT, CAREFULLY TYPEWRITTEN DIRECTORY CARD IDENTIFYING EACH BRANCH CIRCUIT SERVED BY EACH SUCH PANEL SHALL BE PLACED IN THE FRAME, UNDER CLEAR PLASTIC COVER. CONTRACTOR SHALL PROVIDE A NEAT, CAREFULLY TYPEWRITTEN DIRECTORY CAR, IDENTIFYING ALL EXISTING CIRCUITS ERVED AS WELL AS ALL NEW CIRCUITS.

FIRESTOPPING:

1. THE CONTRACTOR FOR THIS DIVISION SHALL BE RESPONSIBLE FOR FIRESTOPPING PENETRATIONS OF FIRE RESISTANCE RATED WALLS, FLOORS, OR FLOOR/CEILING ASSEMBLIES BY HIS WORK. THIS INCLUDES, BUT IS NOT LIMITED TO PENETRATIONS BY CONDUIT, AND TELEPHONE SLEEVES AND OUTLET BOXES SEPARATED BY LESS THAN 24" IN PLAN. ALL FIRESTOP MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S STANDARD DETAILS AND U.L. BUILDING MATERIALS DIRECTORY FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATED. TELEPHONE SLEEVES SHALL BE FIRESTOPPED USING MATERIALS THAT WILL PERMIT RE-ENTRY AND USE OF THE TELEPHONE SLEEVES.

SPACE REQUIREMENTS:

1. CONTRACTOR FOR WORK UNDER THIS DIVISION SHALL BE FULLY RESPONSIBLE FOR DETERMING IN ADVANCE OF PURCHASE THAT EQUIPMENT AND MATERIALS PROPOSED FOR INSTALLATION SHALL FIT INTO THE CONFINES INDICAATED AND ALLOW SUFFICIENT CLEARANCE FOR MAINTENANCE AND SERVICE OF ALL EQUIPMENT INCLUDING THAT OF OTHER TRADES.

RACEWAYS

1. ALL CONDUIT SHALL BE ½" MINIMUM SIZE.
2. FLEXIBLE CONDUIT SHALL BE USED FOR CONNECTION TO VIBRATING EQUIPMENT, DRY TYPE TRANSFORMERS, BUS PLUGS, ELECTRIC DUCT HEATERS, UNIT HEATERS AND ROTATING MACHINERY AND FOR CONNECTION FROM JUNCTION BOX TO CORRESPONDING FLUSH MOUNTED LIGHTING FIXTURES.
3. EMT CONNECTORS AND COUPLINGS SHALL BE STEEL, RAIN-TIGHT, COMPRESSION OR SET-SCREW FITTINGS.
4. EXPOSED CONDUITS SHALL BE INSTALLED PARALLEL OR AT RIGHT ANGLES TO STRUCTURE.

WIRE AND CABLES

CONDUCTORS

1. CIRCUIT CONDUCTORS SHALL BE COLOR-CODES AS FOLLOWS:

120 / 280 VOLTS	PHASE
BLACK	A
RED	B
BLUE	C
WHITE	NEUTRAL
GREEN	GROUND

2. ALL CONDUCTORS SHALL BE COPPER OF THE SIZE NOTED ON THE DRAWINGS AND SHALL BE #12 AWG MINIMUM SIZE UNLESS NOTED OTHERWISE ON THE DRAWINGS.
3. CONDUCTORS FOR FEEDS AND MECHANICAL EQUIPMENT, NO. 4 AND LARGER, SHALL BE 600 VOLT TYPE XHHW OR THHN / THWN. CONDUCTORS FOR BRANCH CIRCUITS SHALL BE 600 VOLT TYPE THHN /THWN.
4. FEEDERS SHALL BE RUN THEIR LENGTH IN CONTINUOUS PIECES WITHOUT JOINTS OR SPLICES.

METAL CLAD CABLE:

1. METAL CLAD CABLES SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WHERE CONCEALED, RUN CABLES IN A DIRECT ROUTE TO THE LOADS SERVED. CABLES SHALL NOT BE ALLOWED TO LAY UNPON THE SUSPENDED CEILING SUPPORT SYSTEM, CEILING TILES, SHEET METAL DUCTS, MECHANICAL PIPING BUT SHALL BE ROUTED AND SUPPORTED ABOVE THE DUCT OR MECHANICAL PIPING WHEREVER POSSIBLE. INSTALL EXPOSED CABLE, IN ELECTRICAL AND MECHANICAL ROOMS, PARALLEL AND PERPENDICULAR TO SURFACE OR EXPOSED STRUCTURAL MEMBERS. VERTICAL CABLES ENTERING PANEL BOARDS SHALL BE RUN IN LAYERS SUPPORTED AND SEPARATED BY PIECES OF FORMED METAL AND STRAPS INSTALLED FOR THAT PURPOSE.
2. IT IS INTENDED THAT THE COLOR CODE FOR CONDUCTORS ESTABLISHED FOR THIS PROJECT BE FOLLOWED THOUGHOUT THE INSTALLATION. SINCE THE AVAILABLE COLORS OF INSULATED CONDUCTORS NORMALLY ASSEMBLED IN TYPE MC CABLES ARE LIMITED, THE FOLLOWING PROCEDURE SHALL BE FOLLOWED.
   a. CONDUCTORS SHALL BE WRAPPED WITH 1" WIDE BANDS OF THE COLORED TAPE THAT CORRESPONDS WITH THE COLOR CODE FOR EACH OF THE CONNECTED PHASES OF THE SPECIFIC 120 / 208 VOLT DISTRIBUTION SYSTEM. SEE COLOR CODING SPECIFIED IN PARAGRAPH 2.1 OF THIS SECTION.
   b. GROUNDED CONDUCTORS SHALL BE IDENTIFIED AT EACH BOX, WHITE TAPE FOR 120 VOLT.
   c. THESE MARKINGS SHALL BE REPEATED AT EACH JUNCTION BOX OR OUTLET BOS.
   d. EACH HOME RUN CABLE AND CONDUCTORS SHALL BE PERMANENTLY IDENTIFIED AT BOTH ENDS WITH THE CIRCUIT NUMBER AND LOAD SERVED.
3. TYPE MC CABLE SHALL NOT BE USED ON ISOLATED GROUND CIRCUITS, WHERE PROHIBITED BY THE NATIONAL ELECTRICAL CODE OR WHERE OTHER WIRING METHODS ARE SPECIFIED BY THSE SPECIICATIONS. ONLY CONDUIT AND WIRE SHALL BE USED FOR ILOLATED GROUND CIRCUITS.
4. CONNECTORS SHALL BE OF THE TYPE UL LISTED FOR E WITH MC CABLE. CONNECTORS SHALL ATTACH TO ENCLOSURES OR BOXES WITH LOCKNUTS. SNAP IN TYPE CONNECTORS WILL NOT BE ACCEPTABLE.

BOXES

1. OUTLET BOXES SPECIFIED HEREIN ARE MINIMUM SIZE BOXES; LARGER BOXES OF THE SAME TYPE SHALL BE PROVIDED IF REQUIRED BY ARTICLE 370 OF THE NATIONAL ELECTRICAL CODE FOR THE NUMBER AND SIZE OF CONDUCTORS INSTALLED. ALL OUTLET BOXES SHALL BE ACCESSIBLE. WHERE SPECIAL PURPOSE DEVICES SPECIFIED REQUIRE A LARGER OUTLET BOX THAN SPECIFIED HEREIN (AS IN FIRE ALARM DEVICES), PROVIDE OUTLET BOX SUITABLE FOR SPECIFIC DEVICE.
2. BOXES IN PARTITIONS SHALL NEVER BE SET BACK TO BACK. IN NON-FIRE RATED PARTITIONS, BOXES SET SIDE BY SIDE FACING SEPARATE ROOMS OR SPACES, SHALL BE NIPPLED TOGETHER BY NOT LESS THATN A 6" LONG OFFSET NIPPLE; AFTER CONDUCTORS ARE PULLED, THE NIPPLES SHALL BE TIGHTLY PACKED WITH ROCK WOOL TO PREVENT SOUND TRANSMISSION. IN FIRE RATED PARTITIONS, BOXES SET SIDE TO SIDE FACING SEPARATE ROOMS OR SPACES SHALL BE OFFSET 24" MINIMUM IN PLAN (VERTICAL SEPARATION NO ACCEPTABLE). WHERE 24" SEPARATION IN FIRE RATED CONSTRUCTION IS NOT POSSIBLE, PROVIDE WALL OPENING PROTECTIVE MATERIALS (PUTTY PACKS) FOR EACH AND ALL BOXES LOCATED LESS THAT 24" SEPARATION IN PLAN.
3. TELEPHONE AND INTERCOMMUN ICATION OUTLETS SHALL CONSIST OF TWO GAN 2-1/2" DEEP OUTLET BOX WITH SINGLE GANG PLASTER RINGS AND ¾" EC TO ACCESSIBLE CEILING, TERMINATE CONDUIT WITH BUSHING OR INSULATE THROAT CONNECTOR. PROVIDE PULL STRING FOR INSTALLATION OF CABLE BY OTHERS, WALL PLATES FURNISHED BY OTHERS.

WIRING DEVICES

1. WIRING DEVICES SHALL HAVE WHITE FINISH. DEVICE PLATES SHALL BE WHITE PLASTIC AND OF THE SAME MANUFACTURER AS WIRING DEVICE.
2. SWITCHES SHALL BE EQUIVALENT TO LEVITON #1221 SERIES. RECEPTACLES SHALL BE EQUIVALENT TO LEVITON #5362 SERIES. GROUND FAULT INTERRUPTER (GFI) DUPLEX, 20 AMP, 125 VOLT - LEVITON #6599 SERIES. WALL MOUNTED DIMMERS SHALL BE EQUIVALENT TO LUTRON NOVA #N-1500. DIMMERS SHALL BE 1500 WATTS UNLESS HIGHER RATING IS REQUIRED BY LOAD.
   a. WALL DIMMERS FOR THREE WAY DIMMING CIRCUITS UNDER 1000 WATTS CONNECTED LOAD SHALL BE TRUE THREE WAY DIMMING, PRESET TYPES WITH THE SECOND CONTROL STATION BEING SWITCH ONLY SHALL NOT BE ACCEPTABLE. DIMMERS SHALL BE LUTRON MA-1000, WITH MA-R-FR REMOTES.
   b. WALL DIMMERS FOR THREE WAY DIMMING CIRCUITS OVER 1000 WATTS CONNECTED LOAD SHALL HAVE DIMMER CONTROL AT THE PRIMARY CONTROL LOCATION, WITH SWITCH AT THE SECONDARY CONTROL LOCATION. DIMMERS SHALL BE LUTRON N-1500, WITH N-3-PS SWITCH. DIMMERS SHALL BE LUTRON N-2000 IF REQUIRED BY THE LOAD DEFINED ON THE DRAWINGS.
3. UNLESS NOTED TO THE CONTRARY ON PLANS, OR DIRECTED OTHERWISE DURING THE PROGESS OF WORK, ALL WIRING DEVICES SHALL BE SET AT THE HEIGHT LISTED BELOW:
   a. SWITCHES 4'-0" ABOVE FINISHED FLOOR.
   b. DUPLEX AND SINGLE RECEPTABCLES EXCEPT WHERE COUNTERS OR SHELVING INTERFERES, 17" (MEASURED TO THE CENTERLINE) ABOVE FINISHED FLOOR.
   c. WALL TELEPHONE OUTLETS, EXCEPT WHERE COUNTERS OR SHELVING INTERFERES, 17" (MEASURED TO THE CENTERLINE) ABOVE FINISHED FLOOR. AT LOCATIONS ABOVE COUNTERS SET DEVICES 6" ABOVE COUNTERTOPS, OR AS DETAILED ON ARCHITECTURAL DRAWINGS, WITH MAJOR AXIS HORIZONTAL.
4. LIGHT SWITCHES SHALL BE INSTALLED ON THE STRIKE SIDE OF DOORS AS ACTUALLY INSTALLED; ADVISE ARCHITECT WHERE DRAWINGS CONTRADICT.
5. THE ARCHITECT RESERVES THE RIGHT TO RELOCATE ANY WIRING DEVICE UP TO A DISTANCE OF TEN FEET FROM THE LOCATION SHOWN, BEFORE ROUGH-IN, WITHOUT ADDITIONAL COST.
6. ALL DEVICES SHALL BE MOUNTED WITHIN OUTLET BOXES TO ALLOW DEVICE PLATES TO BE IN CONTACT WITH WALL ON ALL SIDES.
7. GANG ALL MULTIPLE SWITCHES SHOWN ADJACENT ON THE DRAWINGS TOGETHER WITH A COMMON FACEPLATE. GAN SWITCH(ES) AND ABOVE COUNTER RECETACLE(S) TOGETHER WITH A COMMON FACEPLATE.
8. WHERE INDICATED ADJACENT ON THE DRAWINGS, WALL DIMMERS, SWITCHES AND SPEED CONTROLLERS SHALL BE MOUNTED IN A COMMON BOX, WITH COMMON FACEPLATE. WHEN SWITCHES ARE MOUNTED ADJACENT TO A WALL DIMMER OR SPEED CONTROL, SWITCHES SHALL BE OF THE SAME MANUFACTURER AND APPEARANCE AS THE DIMMERS AND SPEED CONTROLS.
9. WHEN DIMMERS ARE MOUNTED IN A COMMON BOX WITH OTHER DEVICES, FINS SHALL NOT BE BROKEN OFF UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.
10. WEATHERPROOF RECEPTACLES SHALL CONSIST OF A DUPLEX GFI RECEPTACLE MOUNTED IN A CAST BOX WITH A GASKETED COVER PLATE PROVIDING A WEATHERPROOF INSTALLATION WITH PLUG INSERTED. THE COVER SHALL BE PROVIDED WITH A SPRING HINGED FLAP, LEVITON #5977-DGY.

MOTORS AND MOTOR STARTERS

1. COMBINATION MOTOR STARTER / DISCONNECTS FOR HAVAC EQUIPMENT SHALL BE FURNISHED UNDER DIVISION 15.
2. MANUAL STARTERS FOR MOTORS FUNISHED UNDER DIVISION 15 SHALL BE FURNISHED BY THIS DIVISION 16.
3. STARTERS FOR PLUMBING EQUIPMENT MOTORS, SUMP PUMPS, DOMESTIC WATER PUMPS, ETC., SHALL BE FURNISHED WITH THE EQUIPMENT UNDER DIVISION 15, EXCEPT WHERE MANUAL STARTERS ARE INDICATED.

MOTOR AND CIRCUIT DISCONNECTS

1. DISCONNECT SWITCHES FOR EQUIPMENT INSTALLED ABOVE CEILINGS SHALL BE MOUNTED ADJACENT TO THE EQUIPMENT CONTROL PANEL SO THAT ONLY ONE ACCESS OPEING IS REQUIRED TO DISCONNECT AND SERVICE THE UNIT.
2. DISCONNECT SWITCHES SHALL BE 600 VOLT HEAVY-DUTY MANUALLY OPERATED, NON-FUSIBLE TYPE UNLESS FUSIBLE TYPE IS INDICATED ON THE DRAWINGS. SWITCHES SHALL BE RATED FOR THE SYSTEM VOLTAGE, THE SIZE OF THE MOTOR OR LOAD CONNECTED. THE NUMBER OF POLES SHALL BE AS REQUIRED TO DISCONNECT ALL UNDERGROUND CONDUCTORS.

GROUNDING

1. ALL GROUNDING CONDUCTORS SHALL BE COPPER. GROUND CONDUCTORS SHALL BE BARE COPPER OR TYPE THHN WITH GREEN INSULATION.
2. DISCONNECT SWITCHES SHALL BE 600 VOLT HEAVY-DUTY MANUALLY OPERATED, NON-FUSIBLE TYPE UNLESS FUSIBLE TYPE IS INDICATED ON THE DRAWINGS. SWITCHES SHALL BE RATED FOR THE SYSTEM VOLTAGE, THE SIZE OF THE MOTOR OR LOAD CONNECTED. THE NUMBER OF POLES SHALL BE AS REQUIRED TO DISCONNECT ALL UNDERGROUND CONDUCTORS.

PANELBOARDS

1. PANELBOARDS SHALL BE THE DEAD FRONT TYPE EQUIPPED WITH MOLDED CASE CIRCUIT BREAKERS. PANELSBOARDS SHALL BE FOR USE ON A 120 208 VOLT, 3 PHASE, 4 WIRE SYSTEM AS INDICATED ON DRAWINGS. PANEL MAINS SHALL BE ALUMINUM, RATED AS SHOWN ON THE DRAWINGS. NEUTRAL SHALL BE FULLY RATED UNLESS OTHERWISE INDICATED OR SPECIFIED. PANELBOARD SHALL CONTAIN A COPPER EQUIMENT GROUNDING BUS OF THE SET SCREW TYPE. MAIN LUGS AND MAIN BREAKERS SHALL BE UL LISTED FOR COPPER OR ALUMINUM CONDUCTORS AND SHALL BE OF THE RANGE FOR CONDUCTORS INDICATED ON THE DRAWINGS.
2. PANEL WIDTH SHALL NOT EXCEED TWENTY-TWO INCHES EXCEPT WHERE TWO SECTION PANEL IS SPECIFICALLY INDICATED ON THE DRAWINGS. PANEL HEIGHT SHALL NOT EXCEE 84". FLUSH MOUNTED PANNELS SHALL BE PROVIDED WITH CONCEALED TRIM CLAMPS AND HINGES AND FLUSH DOOR LATCH AND LOCK. PANELS SHALL BE FURNISHED WITH BLANK (SOLID) END WALLS, FACTORY KNOCKOUTS WILL NOT BE ACCEPTABLE.
3. MULTI-SECTION PANELS SHALL BE CONSECUTIVELY NUMBERED. IT IS NOT ACCEPTABLE TO RESTART NUMBERING EACH SECTION OF MULT-SECTION WITH THE NUMBER ONE (1).
4. WHERE MULTI-SECTION PANELBOARDS AR REQUIRED, ALL SECTIONS SHALL HAVE FULLY RATED BUS AND BE INTERCONNECTED BY COPPER CONDUCTOR WITH TOTAL AMPACITY EQUAL TO MAIN BUS RATING. ALUMINUM CONDUCTORS WILL NOT BE ACCEPTABLE. PANELBOARD CONS OF MULTISECTION PANELBOARDS SHALL BE OF THE SAME DIMENSIONS.
5. WHERE ALUMINUM CONDUCTORS ARE SPECIFIED ON THE DRAWINGS OR USED AT CONTRACTOR'S OPTION PER SPECIFICATION SECTION 16120, GUTTER SPACE SHALL BE PROVIDED FOR THE LARGER CONDUCTOR BENDING RADIUS AND FOR THE COMPRESSION FITTINGS.
6. CIRCUIT BREAKER PANELBOARDS SHALL BE FULLY RATED OR SERIES RATED WITH ITS UPSTREAM OVERCURRENT DEVICE FOR THE AVAILABLE FAULT CURRENT SCHEDULED ON THE DRAWINGS.

OVERCURRENT PROTECTIVE DEVICES

1. FURNISH 10% SPARE FUSES WITH NOT LESS THAN 3 OF ANY ONE SIZE AND TYPE.
2. BRANCH CIRCUIT BREAKERS SHALL BE QUICK-MADE, QUICK-BREAK, THERMAL MAGNETIC TYPE BOLTED TO THE BUS. PLUG IN BREAKERS ARE NOT ACCEPTABLE. TWO AND THREE POLE BREAKERS SHALL BE COMMON TRIP OPERATED BY A SINGLE HANDLE. TIE HANDLES ARE NOT ACCEPTABLE, GFI (GROUND FAULT INTERRUPTING) BREAKERS SHALL BE PROVIDED WHERE INDICATED ON THE DRAWINGS OR SPECIFIED HEREIN. BREAKERS SHALL HAVE PERMANENTLY AFFIXED CIRCUIT IDENTIFICATION, STICK-ON LABELS ARE NOT ACCEPTABLE.
3. CIRCUIT BREAKERS FOR INDIVIDUAL MOUNTING SHALL HAVE AN INTERRUPTING ATING NOT LESS THAT THE AVAILABLE DUTY AT THE BREAKER. THE FOLLOWING MINIMUM DUTIES SHALL APPLY SHERE NOT OTHERWISE SPECIFIED.
   RMS SYMMETRICAL RMS SYMMETRICAL
   15A TO 100A - FRAME 18,000A @ 240V
   70A TO 225A - FRAME 25,000A @ 240V
   250A TO 400A - FRAME 42,000A@ 240V

LIGHTING

1. ALL LIGHTING FIXTURES TOGETHER WITH REQUIRED MOUNTING HARDWARE, LAMPS, AND FIXTURE SUPPORTS SHALL BE PROVIDED UNDER THIS SECTION. LIGHTING FIXTURES SHALL BE SELECTED FROM THOSE FIXTURES INCLUDED IN THE FIXTURE SCHEDULE NOT ONLY BY CATALOG NUMBER, BUT WITH CONSIDERATION TO THE MOUNTIN, NUMBER AND TYPES OF LAMPS, AND REFERENCE NOTES ALL AS CONTAINED IN THE SCHEDULE.
2. FLUORESCENT FIXTURES SHALL BE PROVIDED WITH HIGHT POWER FACTOR, U.L. LISTED ELECTRONIC BALLASTS. ELECTRONIC BALLASTS SHALL HAVE A BALLAST FACTOR OF 0.88 MINIMUM, .94 MINMUM POWER FACTOR, AND A LAMP CURRENT CREST FACTOR OF 1.7 MAXIMUM. INPUT HARMONIC DISTORTION SHALL BE LESS THAN 20. BALLASTS SHALL BE THE STANDARD PRODUCT OF MAGNETEK OR MOTOROLA MEETING THESE REQUIREMENTS. COMPACT FLUORESCRENT BALLASTS SHALL BE ELETRONIC, HIGH POWER FACTOR, FOR ALL TWIN TUBE AND QUAD TUBE LAMP TYPES.
3. RECESSED INCANDESCENT FIXTURES SHALL HAVE THERMAL PROTECTION AS SPECIFIED IN NEC ART. 410.
4. EXIT SIGNS SHALL BE PROVIDED WITH DIRECTIONAL ARROWS AS INDICATED ON THE DRAWINGS.
5. ALL ADJUSTABLE FIXTURES SHALL BE AIMED IN THE FIELD AS DIRECTED BY ARCHITECT OR ENGINEER. EXTERIOR FIXTURES SHALL BE ADJUSTED FURING NON-DAYLIGHT HOURS. CONTRACTOR SHALL FURNISH ALL PERSONNEL AND EQUIPMENT (LIFTS, LADDERS, ETC.).
6. INCANDESCENT LAMPS SHALL BE 130 VOLT TYPE, UNLESS SHOWN DIFFERENTLY ON THE DRAWINGS.
7. BALLASTS FOR HIGH INTENSITY DISCHARGE FIXTURES SHALL BE SELF-CONTAINED HIGH POWER FACTOR, REGULATING TYPE.
8. THE LUMEN OUTPUT OF BATTERY PACK PWERED LAMPS SHALL INITIALLY BE AT LEAST 1100 LUMENS FOR A FOUR FOOT FLUORESCENT LAMP.

COMMUNICATIONS

1. TELEPHONE EQUIPMENT BACKBOARDS SHALL BE PROVIDED WHEN INDICATED ON THE DRAWINGS. BACKBOARD SHALL BE CONSTRUCTED OF 3/4" B-D FIRE RETARDANT GRADE PLYWOOD SECURED TO THE WALL. SUPPLY AND INSTALL AS INDICATED ON THE DRAWINGS A 3/4" CONDUIT WITH AN INSULATED #6 COPPER WIRE OR ITS EQUIVALENT IN AMPACITY TO BE UTILIZED AS TELEPHONE EQUIPMENT GROUNDING CONDUCTOR.

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PROJECT

STIX HIBACHI RESTAURANT
CAMELLIA SQUARE
SLIDELL, LOUISIANA

STIX HIBACHI & SUSHI

ISSUED FOR :

- ☐ SCHEMATICS
- ☐ DESIGN DEVELOPMENT
- ☐ 60% REVIEW
- ☐ 100% CONTRACT DOCUMENTS
- ☐ DEVELOPMENT ORDER
- ☐ PRICING
- ☐ BIDDING
- ☒ PERMIT
- ☐ CONSTRUCTION

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REVISIONS

DATE	REMARKS

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