

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE FOLLOWING CODES/STANDARDS: INTERNATIONAL BUILDING CODE (IBC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), INTERNATIONAL ENERGY CONSERVATION CODE (IECC), AND ALL LOCAL CODES, ORDINANCES, REGULATIONS, AND THE AUTHORITY HAVING JURISDICTION.

2. ALL ELECTRICAL WORK PROVIDED FOR THIS PROJECT SHALL COMPLY WITH THE FOLLOWING CRITERIA:

A) TRADE SIZE CONDUIT SMALLER THAN 1/2 INCH SHALL NOT BE USED.

B) CONDUIT ABOVE GRADE AND NOT EXPOSED TO WEATHER SHALL BE PVC, ENT & MC.

C) CONDUIT BELOW GRADE AND PENETRATIONS AT GRADE SHALL BE SCHEDULE 40 PVC EXCEPT TURNS.

D) CONDUIT ABOVE GRADE AND EXPOSED TO WEATHER SHALL BE SCHEDULE 80 PVC.

E) WIRE SIZE SMALLER THAN #12 AWG. SHALL NOT BE USED FOR POWER CKT. #18 AWG. SHALL BE USED FOR LOW VOLTAGE CKT.

F) BRANCH CIRCUIT WIRING PROVIDED BY THE ELECTRICAL CONTRACTOR SHALL BE COPPER, FEEDER & SERVICE WIRING SHALL BE ALUMINUM.

G) ALL CONDUCTORS SHALL HAVE A MINIMUM TEMPERATURE RATING OF 75 DEGREES C. (TYPE THWN OR TYPE THHN). 98% COPPER OR ALUMINUM.

H) WHERE POSSIBLE, EXCEPT AS SHOWN OTHERWISE ON THE DRAWINGS,ALL CONDUIT SHALL BE RUN CONCEALED BELOW GRADE,WITHIN WALLS OR ABOVE CEILING.

J) CONDUCTORS #12 AWG AND SMALLER SHALL BE SOLID. CONDUCTOR 10# AWG AND LARGER SHALL BE STRANDED. CONDUCTOR #12 AWG MAY BE SOLID OR STRANDED, EXCEPT THAT ONLY #12 AWG SOLID OR ONLY #12 AWG STRANDED SHALL BE USED.

K) THERE SHALL BE NO MORE THAN 270 DEGREES TOTAL TURN OR 150 FEET BETWEEN PULL POINTS IN CONDUIT RUNS.

L) ALL ELECTRICAL RECEPTACLES IN THE BATHROOM, OUTSIDE AREAS AND AIR CONDITIONING / HEATING / REFRIGERATION AREAS SHALL BE GFCI PROTECTED.

M) MOUNTING HEIGHT OF WALL MOUNTED CONTROLS AND RECEPTACLES SHALL FOLLOW THE GIVEN DIAGRAM BELOW, UNLESS COMPARABLE CONTROLS OR OUTLETS (THAT PERFORM THE SAME FUNCTIONS) ARE PROVIDED WITHIN THE SAME AREA AND ARE ACCESSIBLE.

NOTE: ALL ELECTRICAL OUTLETS, APPLIANCES, EQUIPMENT ETC. TO MEET CHAPTER 11 OF THE 2006 IBC CODE. MOUNTING HEIGHTS SHALL BE NO LOWER THAN 15" AND NO HIGHER THAN 48" ON FORWARD APPROACH AND NO LOWER THAN 9" AND NO HIGHER THAN 54" ON SIDE APPROACH. SEE TYPICAL UNIT SHEET FOR ADDITIONAL REQUIREMENTS FOR GUEST ROOM.

A) OBTAIN AND PAY ALL INSURANCE, FEES, PERMITS, ASSOCIATION DUES, ROYALTIES, AND TAXES OF WHATEVER NATURE WHICH SHALL APPLY TO THE WORK.

B) PAY ALL INSPECTION FEES AS REQUIRED BY LAW OR ORDINANCE.

C) HOLD THE OWNER HARMLESS FROM ANY DAMAGE AND EXPENSE ARISING FROM ANY VIOLATION OF THE LAWS, RULES, OR ORDINANCES.

D) PROVIDE MATERIALS THAT ARE NEW AND FREE OF DEFECTS AND UL LISTED FOR THE INTENDED APPLICATION.

E) TAKE MEASUREMENTS AND MAKE LAYOUTS AS REQUIRED FOR PROPER INSTALLATION AND COMPLETION OF WORK IF THE ELECTRICAL DRAWINGS ARE NOT TO BE SCALED, WHERE SPECIFIC DETAILS AND DIMENSIONS FOR ELECTRICAL WORK ARE NOT SHOWN IN DRAWINGS.

F) INSPECT SITE FOR FIELD VERIFICATION OF ALL ASPECTS OF THE PROJECT PRIOR TO BIDDING.

G) EXAMINE ALL DRAWINGS CAREFULLY PRIOR TO SUBMITTING A BID.

H) BE REQUIRED TO FURNISH, INSTALL AND/OR CONNECT WITH APPROPRIATE SERVICES ALL ELECTRICAL ITEMS SHOWN ON ANY OF THE ARCHITECTURAL, PLUMBING, AIR CONDITIONING, SPRINKLER DRAWINGS WITHOUT ADDITIONAL EXPENSE TO THE OWNER.

4. START OF WORK BY CONTRACTOR SHALL BE CONSIDERED AS ACCEPTANCE BY HIM OF ALL CLAIMS OR QUESTIONS AS TO SUITABILITY OF THE WORK OF OTHER TRADES OR OTHER CONTRACTORS TO RECEIVE HIS WORK. THIS CONTRACTOR SHALL REMOVE AND REPLACE AT HIS EXPENSE, ALL ELECTRICAL WORK WHICH MAY HAVE TO BE REMOVED BECAUSE OF INTERFERENCE WITH OTHER TRADES

5. VERIFY SERVICES CHARACTERISTICS, LOCATION AND CONNECTION WITH TELEPHONE AND ELECTRICAL UTILITY COMPANIES. THEY SHALL PERFORM ALL WORK RELATED TO SERVICE IN STRICT ACCORDANCE WITH UTILITY COMPANY STANDARDS AND REQUIREMENTS.

6. PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND TOOLS TO PERFORM ALL WORK NECESSARY FOR THE COMPLETE EXECUTION OF THE ELECTRICAL WORK AS SHOWN ON THE DRAWINGS.

7. DRAWINGS ARE TO BE CONSIDERED DIAGRAMMATIC, NOT NECESSARILY SHOWING IN DETAIL OR TO SCALE ALL OF THE MINOR ITEMS, UNLESS SPECIFIC DIMENSIONS ARE SHOWN. THE STRUCTURAL, ARCHITECTURAL AND SITE CONDITIONS SHALL GOVERN THE EXACT LOCATIONS. IF THE LOCATION OF ELECTRICAL DEVICES ARE NOT SHOWN ON ARCHITECTURAL DRAWINGS, THE CONTRACTOR SHALL FOLLOW DRAWINGS IN LAYING OUT WORK. CHECK DRAWINGS OF ALL TRADES TO VERIFY SPACES IN WHICH WORK WILL BE INSTALLED AND MAINTAIN MAXIMUM HEAD ROOM, OR SPACES OR CONDITIONS AT ALL POINTS. WHERE HEAD ROOM OR SPACES OR CONDITIONS APPEAR

INADEQUATE. ARCHITECT/ENGINEER SHALL BE NOTIFIED BEFORE PROCEEDING WITH INSTALLATION. THIS CONTRACTOR SHALL, WITHOUT EXTRA CHARGE, MAKE FIELD MODIFICATIONS IN LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF VARIOUS TRADES OR FOR PROPER EXECUTION OF WORK. WHERE DISCREPANCIES OCCUR, THE ARCHITECTURAL REFLECTED CEILING PLANS TAKE PRECEDENCE OVER THE ELECTRICAL LIGHTING FOR LOCATION AND ORIENTATION OF LIGHTING FIXTURES.

8. ALL DISCREPANCIES OF DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER IN WRITING IN AMPLE TIME TO PERMIT REVISIONS PRIOR TO SUBMISSION OF BIDS. SUBMISSION OF A BID CONSTITUTES ACCEPTANCE OF FIELD CONDITIONS AND ELECTRICAL DRAWINGS.

9. PROVIDE MEANS FURNISH AND INSTALL COMPLETE AND READY FOR USE.

10. DRAWINGS DO NOT NECESSARILY INDICATE THE ACTUAL ROUTES OF CONDUIT. WHERE INDICATED, THEY SHALL BE FOLLOWED AS CLOSELY AS PROPER COORDINATION WITH THE WORK OF OTHER TRADES AND SPACES WILL PERMIT. WHERE CONDUIT RUNS ARE NOT SHOWN ON THE DRAWINGS, COORDINATE CONDUIT RUNS WITH THE WORK OF OTHER TRADES AND STRUCTURE. SIMPLIFY INSTALLATION WHERE POSSIBLE, BUT SUBJECT TO APPROVAL OF ARCHITECT FOR VISUAL AND STRUCTURAL REASONS. IT IS NOT WITHIN THE SCOPE OF THE DRAWINGS TO SHOW ALL NECESSARY OFFSETS, BENDS, PULL BOXES, AND OBSTRUCTIONS. THE DRAWINGS ARE NOT INTENDED TO BE SCALED AND REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS

11. LABOR FOR THE INSTALLATION OF MATERIALS AND EQUIPMENT PROVIDED UNDER THE ELECTRICAL CONTRACTORS SCOPE OF WORK SHALL BE PERFORMED IN A NEAT AND FIRST CLASS WORKMANSHIP LIKE MANNER BY THOSE EXPERIENCED AND QUALIFIED OF THE PROPER TRADE AND SHALL BE IN COMPLIANCE WITH THE SPECIFIC REQUIREMENTS OF THE CONTRACT DRAWINGS, AND ALL CODES, ORDINANCES OF STATUES, ETC. APPLICABLE.

12. FIELD DETERMINE EXACT INSTALLATION LOCATION OF FIRE PROTECTION REQUIREMENTS UNDER THE NFPA AND MANUFACTURERS WRITTEN INSTRUCTIONS. INCLUDE ALL FIRE ALARM SYSTEMS AND DETECTION DEVICES.

13. ALL MOUNTING HEIGHTS INDICATED ARE MEASURED FROM FINISHED FLOOR UNLESS OTHERWISE NOTED.

14. PROVIDE TEMPORARY LIGHTING, POWER, AND WIRING SYSTEMS FOR USE OF ALL TRADES, ADEQUATE FOR ENTIRE NEEDS OF THE PROJECT.

15. CONNECT ALL MOTORS, STARTERS, CONTROLS, DISCONNECT SWITCHES, CIRCUIT BREAKERS, ETC. WHETHER FURNISHED UNDER THE CONTRACT BY THE GENERAL CONTRACTOR, OTHER SUB-CONTRACTOR, OR BY THE OWNER.

16. PROVIDE PULL WIRES WHEN EMPTY CONDUITS ARE SHOWN ON THE PLANS.

17. PROVIDE LIGHT FIXTURES AS SELECTED BY ARCHITECT, OR AS SPECIFIED.

18. PROVIDE ALL WIRING DEVICES.

19. IDENTIFY CLEARLY ON A TYPE WRITTEN FORM ALL CIRCUITS AND EQUIPMENT TO CORRESPOND WITH THE PLANS AND PANEL SCHEDULE AND ATTACH INSIDE THE PERTAINING PANEL.

20. ALL UNDERGROUND RACEWAYS TO BE PVC. INSIDE CONCRETE SLAB EMT WITH APPROVED SET SCREW FITTING, OR PVC, INSIDE PARTITIONS ENT OR ENT OR MC CABLE, IF ALLOWED BY LOCAL CODES. DRY LOCATION ROMEX OR BX CABLE WHERE MEET THE CONDITION AS SPECIFIED IN NEC 320 & 334.

21. CONTRACTOR SHALL FURNISH THE ENGINEERING WITH SHOP DRAWINGS OF EQUIPMENT PRIOR TO PURCHASE FOR APPROVAL.

22. THE CONTRACTOR SHALL TEST ALL WORK AND EQUIPMENT AS DIRECTED BY THE ARCHITECT AND BY AUTHORITIES HAVING JURISDICTION, FURNISHING ALL EQUIPMENT AND NECESSARY PERSONNEL AND ELECTRICAL POWER. THE ENTIRE INSTALLATION SHALL BE TESTED FOR SHORTS, GROUNDS AND OPEN CIRCUITS, AND ALL DEFECTS SHALL BE DEMONSTRATED TO BE IN PROPER WORKING AND OPERATING CONDITION TO THE COMPLETE SATISFACTION OF THE ENGINEER.

23. ALL EQUIPMENTS AND MATERIALS SHALL BE GUARANTEED FOR ONE YEAR AFTER THE DATE OF ACCEPTANCE BY OWNER.

24. AT COMPLETION OF JOB THE ELECTRICAL CONTRACTOR SHALL GIVE THE OWNER AN AS-BUILT SET OF REPRODUCIBLE DRAWINGS SHOWING THE EXACT ELECTRICAL INSTALLATION, WRITTEN MAINTENANCE INSTRUCTIONS AND SCHEDULE OF ROUTINE MAINTENANCE AS WELL AS ANY OTHER CLOSE OUT ITEMS REQUIRED BY THE CONTRACT DOCUMENTS.

25. BEFORE BIDDING THE JOB THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ANY EXISTING CONDITIONS.

26. ALL ELECTRICAL SWITCHES, CONTROLS, ETC. IN ALL AREAS ARE TO BE AT A D.A. ACCESSIBILITY CODE COMPLAINT HEIGHT. REFER TO GENERAL NOTE #2-M).

27. CIRCUIT NUMBERS SHOWN ON THE DRAWINGS ARE FOR REFERENCE ONLY. BALANCE LOADS AMONG PHASES IN NEW PANEL BOARDS TO WITHIN 10% OF EACH OTHER.

28. FEEDER CONDUCTORS SHALL BE SIZED BY ENGINEER.

29. CONSTRUCTION DOCUMENTS SHALL REQUIRE THAT WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE BUILDING OWNER, INCLUDING:

A) A SINGLE-LINE DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM AND,

B) FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION.

30. CONSTRUCTION DOCUMENTS SHALL REQUIRE THAT AN OPERATING MANUAL AND MAINTENANCE MANUAL BE PROVIDED TO THE BUILDING OWNER. THE MANUALS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING:

A) SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.

B) OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.

C) NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.

31. ELECTRICAL OUTLETS OR BOXES LOCATED ON OPPOSITE SIDES OF RATED WALLS OR PARTITIONS SHALL MEET ONE OF THE FOLLOWING CRITERIA:

A) BOXES SHALL BE SURROUNDED ON 5 SIDES WITH FIRE RATED GYPSUM BOARD TO MAINTAIN THE FIRE RATING OF THE WALL.

B) BACK OF BOXES SHALL BE WRAPPED IN FIRE RESISTANT PUTTY SIMILAR TO SPEC-SEAL FIRE RATED PUTTY PADS.

32. DO NOT INSTALL SMOKE DETECTORS UNTIL BUILDING IS FREE OF DUST AND DUST PRODUCING ACTIVITIES, JUST PRIOR TO FINAL INSPECTION FOR CERTIFICATE OF OCCUPANCY.

33. AT COMPLETION OF WORK, CONTRACTOR SHALL CLEAN UP AND REMOVE ALL DEBRIS AND MATERIALS NOT INSTALLED IN WORK, LEAVING PREMISES CLEAN.

34. CHAROFL' S WIREMESH WILL BE USED IN CABLE TRAY SYSTEM.

600mmx1200mm (2'X4') LIGHTING FIXTURE  
600mmx600mm (2'X2') LIGHTING FIXTURE  
300mmx1200mm (1'X4') LIGHTING FIXTURE  
STRIP  
DOWN LIGHT  
WALL WASHER  
WALL MOUNTED LIGHTING FIXTURE  
CHANDELIER / PENDANT

WIRING DEVICES

NEMA 5-20R DUPLEX RECEPTACLE MOUNTED AT 15" AFF ON CENTER, UNO.  
IG = ISOLATED GROUND  
GF = GROUND FAULT CIRCUIT INTERRUPTER  
WP = WEATHER PROOF TYPE  
AC = MOUNTED 4" ABOVE COUNTER  
NEMA 5-20R DUPLEX RECEPTACLE MOUNTED AT 15" AFF ON CENTER, SPLIT WIRED, UNO.  
NEMA 5-20R DUPLEX RECEPTACLE MOUNTED AT 15" AFF ON CENTER, DEDICATED CIRCUIT, UNO.  
NEMA 5-20R DUPLEX RECEPTACLE, FLOOR MOUNTED, UNO.  
NEMA 5-20R DUPLEX RECEPTACLE, CEILING MOUNTED, UNO.  
NEMA 5-20R DOUBLE DUPLEX RECEPTACLE MOUNTED AT 15" AFF ON CENTER, UNO.  
NEMA 5-20R DOUBLE DUPLEX RECEPTACLE MOUNTED AT 15" AFF ON CENTER, DEDICATED CIRCUIT, UNO.  
NEMA 5-20R DOUBLE DUPLEX RECEPTACLE, FLOOR MOUNTED, UNO.  
NEMA 5-20R DOUBLE DUPLEX RECEPTACLE, CEILING MOUNTED, UNO.  
NEMA 5-20R SINGLE RECEPTACLE MOUNTED AT 15" AFF ON CENTER, UNO.  
SPECIAL RECEPTACLE SEE PLAN NOTES FOR TYPE  
JUNCTION BOX FOR ELECTRICAL DEVICE INSTALLATION  
TELEVISION OUTLET MOUNTED AT 15" AFF, UNO  
TELEPHONE OUTLET MOUNTED AT 15" AFF, UNO  
DATA OUTLET MOUNTED AT 15" AFF, UNO  
COMBINATION DATA/PHONE OUTLET MOUNTED AT 15" AFF, UNO  
2 GANG FLOOR BOX WITH DUPLEX RECEPTACLE AND TV OUTLET.  
2 GANG FLOOR BOX WITH DUPLEX RECEPTACLE AND COMMUNICATION OUTLET.  
CARD READER MOUNTED AT 48" AFF, UNO  
CAMERA MOUNTED AT 80" AFF, UNO  
CIRCUIT BREAKER  
125V OR 277V AC SINGLE POLE 20 AMP SWITCH (ROCKER TYPE) MOUNTED AT 48" AFF ON CENTER, UNO.  
125V OR 277V AC 3-WAY OR 4-WAY 20 AMP SWITCH (ROCKER TYPE) MOUNTED AT 48" AFF ON CENTER, UNO.  
125V OR 277V AC 20 AMP DIMMER SWITCH (ROCKER TYPE) MOUNTED AT 48" AFF ON CENTER, UNO.  
125V OR 277V AC 20 AMP KEYED SWITCH (ROCKER TYPE) MOUNTED AT 48" AFF ON CENTER, UNO.  
125V OR 277V WALL SWITCH OCCUPANCY SENSOR MOUNTED AT 48" AFF ON CENTER, UNO.  
24V OCCUPANCY SENSOR CEILING MOUNTED, UNO.  
125V OR 277V AC 20 AMP MOTOR SWITCH  
125V OR 277V AC 20 AMP TIMER SWITCH MOUNTED AT 48" AFF ON CENTER, UNO.  
NON-FUSED DISCONNECT SWITCH  
FUSED DISCONNECT SWITCH  
GUEST ROOM DOORBELL PUSH-BUTTON MOUNTED @ 48" AFF  
GUEST ROOM DOOR ANNUNCIATOR MOUNTED @ 80" AFF  
GUEST ROOM DOORBELL DISCONNECT SWITCH MOUNTED @ 48" AFF

ELECTRICAL EQUIPMENTS

ELECTRICAL PANEL BOARD  
ELECTRICAL DISTRIBUTION PANEL BOARD OR SWITCHBOARD  
TRANSFORMER

MECHANICAL EQUIPMENT & FIXTURE

EXHAUST FAN, CEILING MOUNTED  
EXHAUST FAN, WALL MOUNTED  
THERMOSTAT  
PUMP

FIRE ALARM DEVICES

DUCT DETECTOR  
SMOKE DETECTOR, SURFACE MOUNTED  
HEAT DETECTOR, SURFACE MOUNTED  
VISUAL FIRE ALARM SYSTEM INDICATING DEVICE. ADJACENT NUMBER INDICATES CANDELA RATING OTHER THAN DEFAULT RATING OF 75 CANDELAS. MOUNT 80" AFF AND 6' MIN. BELOW CEILING.  
COMBINATION AUDIAL/VISUAL FIRE ALARM SYSTEM INDICATING DEVICE. ADJACENT NUMBER INDICATES CANDELA RATING OTHER THAN DEFAULT RATING OF 75 CANDELAS. MOUNT 80" AFF AND 6' MIN. BELOW CEILING.  
FIRE DEPARTMENT LOCK BOX, MOUNTING HEIGHT PER FIRE DEPARTMENT  
MANUAL FIRE ALARM PULL STATION, MOUNTED @ 48" AFF  
RELAY  
TAMPER SWITCH  
FLOW SWITCH  
MAGNETIC HOLD OPEN FOR DOOR  
FIRE SMOKE DAMPER, F&SD  
FIRE ALARM CONTROL PANEL  
FIRE ALARM ANNUNCIATOR PANEL

E001

GENERAL NOTES, LEGENDS AND ABBREVIATIONS

E002

LIGHTING FIXTURE SCHEDULE

E101

ELECTRICAL DETAILS-1

E102

ELECTRICAL DETAILS-2

E103

ELECTRICAL DETAILS-3

E104

ELECTRICAL DETAILS-4

E200(A)

SITE PHOTOMETRIC PLAN

E200

SITE ELECTRICAL PLAN

E201

FIRST FLOOR POWER PLAN

E202

FIRST FLOOR LIGHTING PLAN

E203

SECOND FLOOR POWER PLAN

E204

SECOND FLOOR LIGHTING PLAN

E205

THIRD FLOOR POWER AND LIGHTING PLAN

E206

FOURTH FLOOR POWER AND LIGHTING PLAN

E207

ROOF ELECTRICAL PLAN

E208

ENLARGED FLOOR POWER PLAN -I

E209

ENLARGED FLOOR POWER PLAN -II

E210

ENLARGED FLOOR POWER PLAN -III

E301

PANEL SCHEDULE-I

E302

PANEL SCHEDULE-II

E303

PANEL SCHEDULE-III

E304

ELECTRICAL RISER DIAGRAM

E305

TELEPHONE, DATA, TV & DIMMER RISER DIAGRAM

FA501

FIRE ALARM RISER DIAGRAM

ABBREVIATIONS

A

AMP

AFC

AVAILABLE INTERRUPT CURRENT

AIC

AMPERES INTERRUPTING CAPACITY

AFF

ABOVE FINISHED FLOOR

ADA

AMERICAN DISABILITIES ACT

AT

AMP TRIP

ATS

AUTOMATIC TRANSFER SWITCH

AWG

AMERICAN WIRE GAUGE

BRKR

BREAKER

C

CONDUIT OR CONDUCTOR-

AS APPLICABLE

CIRCUIT BREAKER

CB

CIRCUIT BREAKER

CKT

CIRCUIT

CLG

CEILING

CO

CONDUIT ONLY

CPT

CONTROL POWER TRANSFORMER

DTTS

DOUBLE THROW TRANSFER SWITCH

EC

EMPTY CONDUIT

EF

EXHAUST FAN

ELEC

ELECTRICAL/ELECTRIC

EM

EMERGENCY

FA

FIRE ALARM

FACP

FIRE ALARM CONTROL PANEL

FLOOR?

FLUORESCENT

G.GND

GROUND

GEN

GENERATOR

GF,GFCI

GROUND FAULT (CIRCUIT) INTERRUPTER

HH

HAND HOLE?HIGH INTENSITY

HD

DISCHARGE

HQA

HAND/OFF/AUTO

HP

HORSE POWER

HHW

HOT WATER HEATER

IG

ISOLATED GROUND

INCAN

INCANDESCENT

JB

JUNCTION BOX

PCM

THOUSAND CIRCULAR MILES

KVA

KILOVOLT - AMPERE

KW

KILOWATT

KWH

KILOWATT HOUR

LTG

LIGHTING

LTS

LIGHTS

MCB

MAIN CIRCUIT BREAKER

MCC

MOTOR CONTROL CENTER

MDP

MAIN DISTRIBUTION PANEL

MH

METAL HALIDE OR MANHOLE- AS APPLICABLE

MLO

MAIN LUG ONLY

NEUTRAL

NEUTRAL

NFC

NATIONAL ELECTRICAL CODE

NF

NON FUSED

NFPA

NATIONAL FIRE PROTECTION ASSOCIATION

NL

NIGHT LIGHT (UNSWITCHED CKT.)

P

POLE

PB

PULL BOX

PH

PHASE

PNL

PANLYN CHLORIDE

PVC

POLYVINYL CHLORIDE

POWER

POWER

RPT

RECEPTACLE

RGS

RIGID GALVANIZED STEEL

SF

SUPPLY FAN

SH

SHIELDED

SPD

SURGE PROTECTIVE DEVICE

SPDT

SINGLE POLE, DOUBLE THROW

SPST

SINGLE POLE, SINGLE THROW

SRAIC

SERIES RATED AMPERES INTERRUPTING CAPACITY

SW

SWITCH

SWB

STRUCTURED WIRING BOX

TELE

TELEPHONE

TTB

TELEPHONE TERMINAL BOARD

UG

UNDERGROUND

UPS

UNINTERRUPTABLE POWER SUPPLY

UON

UNLESS OTHERWISE NOTED

V

VOLT

W

WATTS

WP

WEATHERPROOF

XFMR

TRANSFORMER