GENERAL ELECTRICAL NOTES

(GENERAL NOTES ARE PROVIDED AS A BASIC DESCRIPTION OF THE EXTENT AND QUALITY EXPECTED IN THIS PROJECT. IF A CONFLICT EXISTS BETWEEN THESE GENERAL NOTES AND THE REMAINDER OF THE CONTRACT DOCUMENTS THE SPECIFICATIONS, PLANS AND DETAILS WILL GOVERN.)

1. THE ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:
FLORIDA STATE FIRE MARSHALL'S RULE 69A-3.012 FAC AND
RULE CHAPTER 69A-60 FLORIDA ADMINISTRATIVE CODE (FAC) AND
FLORIDA STATUTE SECTION 633.022.
A. NFPA 70: NATIONAL ELECTRICAL CODE (2017 EDITION)
B. NFPA 72: NATIONAL FIRE ALARM CODE (2016 EDITION)
C. NFPA 101: LIFE SAFETY CODE (2018 EDITION)
IN ADDITION, THE INSTALLATION SHALL ALSO BE IN ACCORDANCE WITH THE FOLLOWING:
D. FLORIDA BUILDING CODE 2020 7th EDITION (FBC)
E. FLORIDA FIRE PREVENTION CODE (2020 EDITION)

2. AS A MINIMUM, ALL EQUIPMENT SHALL MEET APPLICABLE STANDARDS, FOR THE TYPE OF EQUIPMENT AND INTENDED USE, OF THE FOLLOWING:
A. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
B. ILLUMINATING ENGINEERS SOCIETY (IES)
C. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
D. NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATES.(NEMA)
E. NOTE: THESE STANDARDS ARE SUBORDINATE TO CODES AND STANDARDS SET BY U.L.

ALL ELECTRICAL EQUIPMENT, DEVICES, WIRE, ETC., SHALL BE LISTED, FOR INTENDED USE, WITH UNDERWRITER'S LABORATORIES INC. (U.L.), WHERE STANDARDS HAVE BEEN ESTABLISHED BY U.L.

3. CONTRACTOR TO PROVIDE ALL LABOR, MATERIALS AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK AS SHOWN AND/OR NOTED ON THE DRAWINGS.

4. THE CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY ALL CONDITIONS, LOCATIONS, DIMENSIONS AND COUNTS AS SHOWN OR NOTED ON THE DRAWINGS, PRIOR TO SUBMITTING BID.

5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL LABOR, MATERIALS AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK AS SHOWN AND/OR NOTED ON THE PLANS.

6. ELECTRICAL CONTRACTOR SHALL NOT SCALE DRAWINGS. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT UNLESS NOTED OTHERWISE.

7. IT SHALL BE UNDERSTOOD THAT ALL WORK PERFORMED SHALL BE DONE BY A LICENSED CONTRACTOR AND IN A FIRST-CLASS MANNER. SAID CONTRACTOR SHALL MEET ALL REQUIREMENTS SET FORTH BY ANY LOCAL ORDINANCE AND GOVERNING AUTHORITIES.

8. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED INSURANCE FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.

9. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND INSTALLATION FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE, UNLESS INDICATED OR SPECIFIED OTHERWISE.

10. IT SHALL NOT BE THE INTENT OF THESE PLANS AND/OR SPECIFICATIONS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR SHALL BE EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE FOR ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING TO ORIGINAL CONDITIONS, ANY AND ALL DAMAGES TO BUILDING SURFACES, EQUIPMENT, ETC. CAUSED DURING THE PERFORMANCE OF WORK.

12. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE OR DELAYS AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.

13. FOR ELECTRIC POWER SYSTEM, COORDINATE POWER SERVICE WITH POWER COMPANY;
A. VERIFY LOCATION OF POWER SERVICE TERMINATION WITH POWER COMPANY, PRIOR TO SUBMITTING BID. CONTRACTOR TO VERIFY AVAILABLE SERVICE VOLTAGE AND PHASES WITH POWER COMPANY PRIOR TO BID AND PROVIDE BID ALLOWANCE FOR ALTERNATES.
B. PROVIDE TEMPORARY ELECTRICAL SERVICE FOR USE BY ALL TRADES DURING CONSTRUCTION AND REMOVE SAME AT COMPLETION OF PROJECT,

14. CONTRACTOR SHALL KEEP ALL AREAS IN WHICH WORK IS BEING PERFORMED, FREE FROM DEBRIS AT ALL TIMES AND SAID AREAS SHALL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.

15. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS, AND TESTING COSTS.

16. COORDINATE ALL ELECTRICAL SITE WORK WITH ALL OTHER TRADES CONTRACTORS.

17. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR FOR THE ADVANCE ORDERING OF LONG LEAD ITEMS, AS TO NOT INTERFERE WITH THE PRODUCTION OF OTHER TRADES RESULTING IN ANY DOWN OR LAG TIME. THE CONTRACTOR SHALL NOT ORDER ANY ITEMS UNTIL APPROVED SHOP DRAWINGS ARE RETURNED.

18. ELECTRICAL CONTRACTOR SHALL SUBMIT EQUIPMENT LAYOUT DIGITAL SHOP DRAWINGS OF ALL ELECTRICAL SPACES, ROOMS, ETC., TO ENGINEER FOR APPROVAL PRIOR TO ORDERING EQUIPMENT OR INSTALLING CONDUITS, ETC. LAYOUT SHALL CONSIST OF PLAN VIEWS (SCALED AS REQUIRED) AND ELEVATIONS (DIMENSIONED) FOR EACH SUCH SPACE, ROOM, ETC.

19. CONTRACTOR SHALL SUBMIT AT ONE TIME, DIGITAL SHOP DRAWINGS/SUBMITTALS, INDEXED WITH ALL PRODUCTS, MATERIALS, LIGHTING FIXTURES, LAMPS, WIRING DEVICES, SWITCHGEAR, ETC. CLEARLY HIGHLIGHTING ALL EQUIPMENT QUANTITIES AND DETAILS. ALL EQUIPMENT SHALL BE AS SPECIFIED ON PLANS: THE RESPONSIBILITY TO ACCEPT OR REJECT ANY PROPOSED SUBSTITUTION REMAINS WITH THE PROJECT ENGINEER. THE CONTRACTOR MAY USE ANY ARTICLE, DEVICE, PRODUCT, OR MATERIAL WHICH IN THE JUDGMENT OF THE ENGINEER EXPRESSED IN WRITING ARE EQUAL TO THAT SPECIFIED.

20. ALL CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN EXCEPT WHERE OTHERWISE REQUIRED BY U.L. OR CODES. MINIMUM WIRE SIZE SHALL BE #12 AWG, EXCLUDING CONTROL WIRING. ALUMINUM CONDUCTORS ARE NOT PERMITTED.

21. ALL CONDUCTORS SHALL BE IN CONDUITS. ALL CONDUITS SHALL BE GALVANIZED RIGID STEEL (GRS) EXCEPT THAT: (a) PVC CONDUITS MAY BE USED UNDERGROUND PROVIDED ELBOWS AND RISERS ARE GALVANIZED RIGID STEEL OR SCHEDULE 80 PVC, WHERE SUBJECT TO PHYSICAL DAMAGE (b) ELECTRICAL METALLIC TUBING (EMT) MAY BE USED IN OR ON WALLS OR CEILINGS WHERE NOT SUBJECT TO MECHANICAL DAMAGE, DAMP OR CORROSIVE CONDITIONS, (c) LIQUID TIGHT FLEXIBLE CONDUIT WHERE REQUIRED, (d) FLEXIBLE METALLIC CONDUIT WHERE REQUIRED IN DRY LOCATIONS ONLY, (e) MC CABLE WITH DEDICATED GREEN GROUNDING CONDUCTOR WHERE PERMITTED. ALL CONDUITS IN HAZARDOUS AREAS (PER NEC) SHALL MEET THE REQUIREMENTS OF NEC CHAPTER 5.

22. FOR UNDERGROUND ELECTRICAL CONDUITS, PROVIDE PULL BOXES, SUCH THAT NO SINGLE CONDUIT RUN HAS BENDS IN EXCESS OF 360. PULL BOXES SHALL BE SUITABLE AND APPROVED FOR THE INTENDED USE. WARNING TAPE WHICH SAYS "WARNING BURIED ELECTRIC" SHALL BE PLACED IN TRENCHES ABOVE ALL UNDERGROUND ELECTRIC CONDUITS. WHERE CONDUITS PASS UNDERNEATH PAVED AREAS, THE CONDUITS SHALL BE PVC. WHERE UNDERGROUND CONDUITS ARE NOT EXPOSED TO MECHANICAL DAMAGE OR ARE NOT UNDER PAVED AREAS, THE CONDUITS SHALL BE SCHEDULE 40 PVC.

23. ALL CONDUIT RUNS ARE SHOWN DIAGRAMMATIC. EXACT ROUTING SHALL BE DETERMINED IN THE FIELD, UNLESS OTHERWISE NOTED.

24. WIREWAYS SHALL BE SIZED AS REQUIRED, PER NEC, UNLESS OTHERWISE NOTED (UON).

25. WHERE CORE DRILLING OF FLOOR/WALLS IS REQUIRED, CONTRACTOR SHALL SEAL OPENINGS WATERTIGHT AFTER UTILITIES HAVE BEEN INSTALLED. LOCATION OF CORED HOLES SHALL COORDINATE WITH LOCATION OF EQUIPMENT IN A MANNER TO BE CLEAN AND FUNCTIONAL. THE CONTRACTOR SHALL INSTALL ONLY ONE CONDUIT PER HOLE AND SEAL THE OPENING AROUND THE CONDUIT AS SPECIFIED.

26. PROVIDE FIRE RETARDANT U.L. APPROVED SEALANT ON ALL PENETRATIONS OF FIRE RATED PARTITIONS, WALLS AND STRUCTURAL SLABS. CONTRACTOR TO VERIFY, PRIOR TO SUBMITTING BID, LOCATIONS OF ALL SUCH FIRE RATED PARTITIONS, WALL AND STRUCTURAL SLABS.

27. UNLESS NOTED AS EXISTING, ALL EQUIPMENT, WIRING, DEVICES, ETC. SHALL BE NEW.

28. ALL CIRCUIT BREAKERS SHALL BE INVERSE TIME TYPE (THERMAL MAGNETIC OR SOLID STATE AS REQUIRED BY SPECIFICATION). TWO AND THREE POLE CIRCUIT BREAKERS SHALL BE COMMON TRIP. NO TIE HANDLES PERMITTED.

29. ALL FUSES SHALL BE CURRENT LIMITING, PER U.L., RATED 600V., UON.
A. NON-TIME DELAY FUSES IN MAIN SWITCHES AND SWITCHES FEEDING PANELS.
B. TIME DELAY FUSES FOR MOTOR AND A/C CIRCUITS.

30. ALL DISCONNECT SWITCHES SHALL BE SIZED BY NEC REQUIREMENTS TO ACCOMMODATE EQUIPMENT SERVED, INCLUDING REQUIRED FUSES U.O.N. SWITCHES SHALL BE HORSEPOWER RATED FOR MAX. HORSEPOWER, HEAVY DUTY TYPE.

31. CONTRACTOR SHALL VERIFY CIRCUIT PROTECTIVE DEVICE RATING FOR EQUIPMENT PRIOR TO INSTALLATION.

32. FURNISH AND INSTALL DISCONNECT SWITCHES AND WIRING FOR AIR CONDITIONING SYSTEM AS PER MANUFACTURER RECOMMENDATIONS. CONTROLS ARE TO BE SUPPLIED BY AIR CONDITIONING CONTRACTOR AND CONNECTED. PROVIDE ALL CONTROL WIRING FOR A/C SENSORING AND CONTROL UNITS, COORDINATE WITH A/C CONTRACTOR FOR WIRING DIAGRAMS AND EXACT MOUNTING LOCATIONS.

33. ALL ELECTRICAL EQUIPMENT SHALL BE RAINTIGHT WHERE EXPOSED TO THE WEATHER. ALL FLEX CONDUITS CONNECTED TO SUCH EQUIPMENT SHALL BE LIQUID TIGHT.

34. EQUIPMENT SHALL BE OF MATERIALS SUITABLE FOR AND NEMA RATED FOR THE ENVIRONMENT IN WHICH THEY ARE TO BE INSTALLED.

35. ALL CONNECTIONS TO GROUND RODS SHALL BE MADE WITH U.L. APPROVED WELDED CONNECTIONS, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL FORM A GROUNDING ELECTRODE SYSTEM AS PER NEC 250-50.

36. OUTLET IN DRY LOCATIONS BOXES SHALL BE PRESSED STEEL, IN WET OR DAMP LOCATIONS SHALL BE CAST ALLOY WEATHER-RESISTANT OUTLET WITH THREADED HUBS AND IN OTHER CLASSIFIED AREAS IT SHALL BE IN A SPECIAL ENCLOSURE. PROPER PLASTER RINGS SHALL BE USED WITH OUTLET BOXES. PROPER COORDINATION BETWEEN ELECTRICAL SUBCONTRACTOR AND GENERAL CONTRACTOR FOR PLASTER RING INITIATION WILL BE REQUIRED. NO "GOOF" RINGS SHALL BE ALLOWED. ALL OUTLET BOXES SHALL BE SECURELY FASTENED.

37. WHEN ELECTRICAL BOXES ARE LOCATED IN VERTICAL FIRE RESISTIVE ASSEMBLIES, (CLASSIFIED AS FIRE/SMOKE AND SMOKE PARTITIONS), THEY SHALL BE INSTALLED WITHOUT AFFECTING THE FIRE CLASSIFICATION. ALL OF THE FOLLOWING CONDITIONS SHALL BE MET:

A. ALL ELECTRICAL BOXES SHALL BE METALLIC.
B. BOX OPENING SHALL OCCUR ONLY ON ONE SIDE OF FRAMING SPACE.
C. BOX OPENING SHALL NOT EXCEED 10322.56 SQUARE MM (16SQUARE INCHES).
D. ALL CLEARANCES BETWEEN OUTLET BOX AND GYPSUM BOARD SHALL BE COMPLETELY FILLED WITH JOINT COMPOUND (OR OTHER APPROVED MATERIAL).
E. PROVIDE A WALL AROUND OUTLETS LARGER THAT 10322.56 SQUARE MM (16 SQUARE INCHES). THE INTEGRITY OF THE WALL RATING SHALL BE MAINTAINED.

F. THE TOTAL AGGREGATE SURFACE AREA OF THE BOXES SHALL NOT EXCEED 64516 SQUARE MM (100 SQUARE INCHES) PER 9.29 SQUARE METERS (100 SQUARE FEET).
G. OUTLET BOXES LOCATED ON OPPOSITE SIDES OF FIRE RESISTIVE ASSEMBLIES SHALL BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 609.6MM (24 INCHES).
H. OUTLET BOXES SHALL BE SECURELY FASTENED TO WALL FRAMING MEMBERS.
I. THE OPENING IN THE GYPSUM BOARD FACING SHALL BE CUT NOT TO EXCEED 3.175MM (1/8 INCH) BETWEEN THE EDGES OF THE OUTLET BOX AND THE EDGES OF THE OPENING.

38. SMOKE DETECTORS SHALL BE PROVIDED NO CLOSER THAN 36" FROM SUPPLY AIR DIFFUSERS.

39. CONTRACTOR SHALL PROVIDE A TYPE WRITTEN DIRECTORY OF EACH PANELBOARD. HAND WRITTEN DIRECTORY IS NOT ACCEPTABLE, EXCEPT SPARE AND SPACES SHALL BE HANDWRITTEN IN PENCIL.

40. PROVIDE A 4" STEEL REINFORCED CONCRETE HOUSEKEEPING PAD UNDER ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT.

41. A. WORKING CLEARANCES FOR ELECTRICAL EQUIPMENT SHALL BE IN COMPLIANCE WITH NEC 110.26
B. THE EXCLUSIVELY DEDICATED SPACE EXTENDING FROM FLOOR TO STRUCTURAL CEILING WITH A WIDTH AND DEPTH OF THE PANELBOARD OR SWITCHBOARD MUST BE CLEAR OF ALL PIPING, DUCTS, EQUIPMENT FOREIGN TO THE ELECTRICAL EQUIPMENT OR ARCHITECTURAL APPURTENANCES IN ACCORDANCE WITH NEC 408.

42. METER CANS, HUBS, & LUGS FOR SAME ARE TO BE FURNISHED & INSTALLED BY CONTRACTOR. CONTRACTOR TO VERIFY SPECIFIC TYPE OF METER CAN TO BE USED WITH F.P.L. PRIOR TO BID.

43. A. PROVIDE A PERMANENT SIGN ON THE MAIN ELECTRICAL ROOM DOOR TO THE BLDG. STATING THAT THE SERVICE DISCONNECTS ARE LOCATED INSIDE.
B. SIGNS SHALL BE PLACED AT THE MAIN DISCONNECT EQUIPMENT INDICATING TYPE AND LOCATION OF ON-SITE EMERGENCY POWER SOURCES.

44. THE EQUIPMENT GROUNDING TERMINAL BARS OF THE NORMAL AND EMERGENCY ELECTRICAL SYSTEM PANELBOARDS SERVING THE SAME BUILDING SHALL BE BONDED TOGETHER WITH AN INSULATED, CONTINUOUS, COPPER CONDUCTOR NOT SMALLER THAN NUMBER 6.

45. THE ELECTRICAL CONTRACTOR SHALL FURNISH A COMPLETE SET OF AS-BUILT DRAWINGS, SHOWING ALL CHANGES AND DEVIATIONS TO THE ARCHITECT/ENGINEER PRIOR TO COMPLETION OF THE PROJECT.

46. ARCHITECTURAL AND/OR ENGINEERING EXPENSES THAT ARE INCURRED DUE TO REVISIONS OR SUBSTITUTIONS REQUESTED BY THE CONTRACTOR SHALL BE PAID FOR BY THAT CONTRACTOR.

47. FOR TELEPHONE SYSTEMS:
A. PROVIDE GROUNDING FOR ALL TELEPHONE OUTLETS AND EQUIPMENT PER REQUIREMENTS OF THE TELEPHONE COMPANY.
B. COORDINATE INSTALLATION OF ALL TELEPHONE OUTLETS, RACEWAYS, ENCLOSURES AND BACKBOARDS WITH TELE. CO.
C. VERIFY LOCATION OF TELEPHONE SERVICE WITH TELEPHONE COMPANY. PROVIDE SERVICE CONDUIT TO BLDG. FROM SERVICE POINT PER TELCO. INSTRUCTIONS, INCLUDE ALL ASSOCIATED COSTS IN BID.
D. MARK TERMINATIONS OF TELEPHONE CONDUIT AS DIRECTED BY THE TELEPHONE COMPANY.
E. VERIFY LOCATION OF TELEPHONE SERVICE WITH TELEPHONE COMPANY PRIOR TO SUBMITTING BID, INCLUDE ALL ASSOCIATED COSTS IN BID.
F. USE EXTERIOR GRADE 3/4" PLYWOOD BACKBOARDS FOR MOUNTING TELEPHONE EQUIPMENT AND TERMINAL STRIPS. PAINT BOARD ON ALL SIDES AND EDGES WITH TWO COATS OF FLAT BLACK FIRE RETARDANT PAINT.

48. INDUSTRIAL CONTROL TYPE TRANSFORMERS SHALL BE PROVIDED WITH FINGERSAFE COVERS AND PRIMARY FUSE PROTECTION AS REQUIRED PER NEC 450-3. MOUNT TRANSFORMERS ON 4"X4" JUNCTION BOX ABOVE ACCESSIBLE CEILINGS OR ELECTRICAL ROOMS.

49. DWELLING UNITS: ALL 120-VOLT SINGLE-PHASE, 15&20A. BRANCH CIRCUITS SUPPLYING OUTLETS OR DEVICES INSTALLED IN DWELLING UNIT KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS, OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY ARC-FAULT TECHNOLOGY IN ACCORDANCE WITH NEC 210.12(A) 1-6.

50. PROVIDE U.L. LISTED COMPOUND APPLIED TO BACK OF "BACK TO BACK" BOXES IN RATED WALLS WHERE THE BOXES ARE LESS THAN 609.6MM (24 INCHES) APART MEASURED HORIZONTALLY.

51. CONTRACTOR SHALL PROVIDE TYPED, UPDATED PANEL DIRECTORIES ON ALL PANELS THAT ARE AFFECTED AT THE COMPLETION OF THE JOB.

52. FOR RECEPTACLES IN DAMP AND WET LOCATIONS THE CONTRACTOR SHALL PROVIDE ALL 125V. AND 250V., 15A. AND 20A. RECEPTACLES THAT ARE LISTED AS WEATHER RESISTANT TYPE TO COMPLY WITH NEC ARTICLE 406.8.

53. SERVICE EQUIPMENT IN OTHER THAN DWELLING UNITS SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. COMPLY FULLY WITH NEC 110.16.

FIRE ALARM SEQUENCE OF OPERATIONS

MANUAL PULL STATIONS: The activation of a Manual Pull Station shall initiate an "ALARM" condition in the building for evacuation purposes. It shall be installed per NFPA 72, (2007 edition) Chapter 5.13 and NFPA 1 Chapter 13.7.3.3.1-8, of the Florida Fire Prevention Code (2009 edition) at not less than 3-1/2' & not more than 4-1/2' AFF. An audible ALARM tone shall sound at the fire alarm control panel and the location of the alarm shall be displayed, in English, at the Control Panel and any Remote Annunciator. The ALARM shall alert the building occupants by way of Horns, Horn/Strobes and/or Strobe devices on the floor of alarm , the floor above and the floor below.
The Alarm condition shall be reported to an UL Listed Central Station Company by way of digital communicator for the purposes of fire department notification and action.

SMOKE DETECTORS: The activation of a Smoke Detector shall initiate an "ALARM" condition in the building for evacuation purposes as per NFPA 72, (2007 edition) Chapter 5.5. An audible ALARM tone shall sound at the fire alarm control panel and the location of the alarm shall be displayed, in English, at the Control Panel and any Remote Annunciator.The ALARM shall alert the building occupants by way of Horns, Horns/Strobes and/or Strobe devices throughout the whole building by means of general alarm. The ALARM condition shall be reported to the Central Station Facility by way of digital communicator for the purposes of fire department notification and action.

- Ceiling mounted Smoke Detector shall not be located in a direct airflow, nor closer than 3' from an air supply diffuser in accordance with NFPA 72, (2007 edition) Chapter 5.7.4.1
- Wall mounted Smoke Detector shall be mounted 4" minimum from ceiling with 12" maximum from ceiling, as per NFPA 72, (2007 edition) Chapter 5.7.3.2.1

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ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
	LIGHTING (REFER TO LIGHTING FIXTURE SCHEDULE)
A	LIGHT FIXTURE DESIGNATION.
	LIGHTING FIXTURE, SURFACE MOUNTED
	LIGHTING FIXTURE (HID, FLUORESCENT OR INCANDESCENT), RECESSED MTD.
	LIGHTING FIXTURE, WALL MOUNTED
	EXIT LIGHT FIXTURE. DIRECTION ARROWS AS SHOWN
	WALL MOUNTED EXIT LIGHT FIXTURE (SHADED QUADRANT INDICATES FACE(S) OF FIXTURE)
	2 X 2 FLUORESCENT LIGHT FIXTURE
	2 X 4 FLUORESCENT LIGHT FIXTURE
	DIAGONAL SHADING DENOTES LIGHT FIXTURE CONNECTED TO EMERGENCY BRANCH CIRCUIT OR, W/EMERG. 90 MIN. BATTERY PACK.
	1 X 4 FLUORESCENT LIGHT FIXTURE
	DIAGONAL SHADING DENOTES LIGHT FIXTURE CONNECTED TO EMERGENCY BRANCH CIRCUIT OR, W/EMERG. 90 MIN. BATTERY PACK.
	FLUORESCENT WALL MOUNTED FIXTURE WITH WALL OUTLET BOX
	FLUORESCENT STRIP FIXTURE
	DIAGONAL SHADING DENOTES LIGHT FIXTURE CONNECTED TO EMERGENCY BRANCH CIRCUIT OR, W/EMERG. 90 MIN. BATTERY PACK.
	EXTERIOR LIGHT FIXTURE WITH ARMS AS SHOWN ON DRAWINGS
	EMERGENCY BATTERY WALL PACK WITH TWIN HEADS
S	TOGGLE SWITCH 120/277V. 20 AMP. ,(M.H. = 48" A.F.F.)
S_3	TOGGLE SWITCH 120/277V. 20 AMP. ,(M.H. = 48" A.F.F.) , 3-WAY
S_4	TOGGLE SWITCH 120/277V. 20 AMP., (M.H. = 48" A.F.F.), 4-WAY
S_B	LIGHTING CONTROL BY-PASS SWITCH, (MAX. 2 HOUR OVER-RIDE).
S_K	TOGGLE SWITCH 120/277V. 20 AMP. KEYSWITCH, (M.H. = 48" A.F.F.)
S_F	FAN SWITCH 120/277V. 20 AMP, (HORSEPOWER RATED)
S_T	30-MINUTE ROTATABLE TIMER SWITCH (M.H. = 48" A.F.F.)
S_{WF}	TOGGLE SWITCH 120/277V. 20 AMP., WI-FI CAPABLE, (M.H.=48"A.F.F.)
S_{EX}	TOGGLE SWITCH 120/277V. 20 AMP. EXPLOSION-PROOF, (M.H.=48"A.F.F.)
S_S	SPEED SWITCH 120/277V. 20 AMP. U.O.N. ,(M.H. = 48" A.F.F.)
S_M	SINGLE PHASE MANUAL MOTOR STARTER, (M.H.=48" A.F.F.)
S_D	DIMMER SWITCH 120/277V. 20 AMP., (M.H.=48" A.F.F.) (1500 WATTS UNLESS OTHERWISE INDICATED)
S_{3D}	THREE-WAY DIMMER SWITCH (48" A.F.F.)
S_a	SINGLE POLE SWITCH (48" A.F.F.) (SUBSCRIPT INDICATES ITEM CONTROLLED)
P	PANIC SWITCH, MUSHROOM TYPE, (M.H.=48" A.F.F.)
a,b	WALL MOUNTED - OCCUPANCY SENSOR SWITCH,(M.H.=48"A.F.F.) (a, b) OR (2) INDICATES TWO POLE SWITCH
	CEILING MOUNTED OCCUPANCY SENSOR - LIGHTING CIRCUIT CONTROLLER.
OS E	CEILING MOUNTED DUAL TECHNOLOGY EXTENDED RANGE OCCUPANCY SENSOR - LIGHTING CIRCUIT CONTROLLER. SENSOR SWITCH/#CM-PDT-10.
OS	WALL MOUNTED - OCCUPANCY SENSOR (M.H.=96"A.F.F.) MFGR./MODEL#WV-PDT
PP	POWER PACK

OCCUPANCY SENSOR NOTE:
CONTRACTOR SHALL PROVIDE ALL SWITCHPACKS AND CONDUCTORS AS REQUIRED FOR LAYOUTS AND CONTROLS SHOWN ON PLANS.

IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AND INSTALL A COMPLETE AND FULLY FUNCTIONAL LIGHTING CONTROL SYSTEM IN ACCORDANCE WITH THE PLANS, DETAILS, INTENT OF THE DESIGN AND SPECIFICATIONS SHOWN ON THESE PLANS.

SYMBOL	DESCRIPTION
	BASIC MATERIALS
	DUPLEX RECEPTACLE, 20 AMP., 125V., (M.H.=18"A.F.F.)
	FLOOR OUTLET BOX AND DUPLEX RECEPTACLE 20 AMP., 125V., WITH APPROPRIATE FLANGE.
	CEILING OUTLET BOX AND DUPLEX RECEPTACLE 20A, 125V.
	DUPLEX RECEPTACLE, 20 AMP., 125V., TOP HALF SWITCHED, M.H. = 18" A.F.F. UNLESS OTHERWISE NOTED
	DUPLEX RECEPTACLE, 20 AMP., 125V., ISOLATED GROUND AND SURGE PROTECTED, (M.H.=18"A.F.F.)
	SINGLE RECEPTACLE, 20 AMP., 125V., COORDINATE M.H. WITH EQUIPMENT.
EWC	SIMPLEX RECEPTACLE (16" A.F.F.) (EWC DENOTES ELECTRIC WATER COOLER. COORDINATE WITH EWC INSTALLER FOR MOUNTING HEIGHT)
	TWO DUPLEX RECEPTACLES WITH COMMON COVER 20A., 125V.,(18" A.F.F.)
	TWO DUPLEX RECEPTACLES WITH COMMON COVER 20A., 125V.,(42" A.F.F.)
	DUPLEX RECEPTACLE, 20 AMP., 125V., MOUNT ABOVE COUNTER @42"AFF.
	SPECIAL PURPOSE OUTLET e.g. RANGE OUTLET, COORD. W/ EQUIPT.
	GFCI DUPLEX RECEPTACLE, 20 AMP., 125V., (M.H.=18"A.F.F.)
	GFCI DUPLEX RECEPTACLE, 20 AMP., 125V., MTD. ABOVE COUNTER (VERIFY HEIGHT)
	30 AMP., 125V., TWIST LOCK RECEPTACLE FOR FLOOR POLISHING MACHINE
J	JUNCTION BOX, MOUNTING AS SHOWN
	POWER POLE
5	ELECTRIC MOTOR, NUMBER INDICATES HORSEPOWER
	MAGNETIC MOTOR STARTER OR CONTACTOR,
	COMBINATION MAGNETIC MOTOR STARTER, SIZE AS NOTED
	DISCONNECT SWITCH, SIZE AS NOTED
3 100 *	# OF POLES; AMP RATING/FRAME; FUSE SIZE (* DENOTES AS PER MANUFACTURER); ENCLOSURE TYPE: NEMA 3R- FOR EXTERIOR, NEMA 1- FOR INTERIOR
	LIGHTING CONTROL TIME CLOCK
	PHOTOCELL, MOUNTED ON ROOF FACING NORTH
X	SHUNT-TRIP BUTTON - FLUSH MOUNTED UNLESS OTHERWISE NOTED
	PLUG-IN STRIP WITH RECEPTACLES, 18" O.C. UNLESS OTHERWISE INDICATED
	CABLE TRAY
	GROUND OR GROUND ROD AS NOTED
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT STUB
	CONDUIT CONTINUED

NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT.

TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BLDG. CODES AND APPLICABLE FIRE-SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH SECTION 110.3.7.4.4 AND CHAPTER 633, FLORIDA STATUES.

SYSTEMS SYMBOL LEGEND

SYMBOL	DESCRIPTION
	CALL BACK PUSH BUTTON
	CIRCUIT BREAKER, TYPE AND SIZE AS PER DRAWINGS.
KP	SECURITY SYSTEM KEYPAD
C	CLOCK
B	BELL
R	AIR HANDLING UNIT SHUT-DOWN RELAY
R	POWER ON INDICATOR WITH KEYED RESET
	SERVICE AND DISTRIBUTION
	ELECTRICAL BRANCH CIRCUIT PANELBOARD, RECESS MOUNTED. (SEE PANEL SCHEDULE FOR DETAILS)
	ELECTRICAL BRANCH CIRCUIT PANELBOARD, SURFACE MOUNTED. (SEE PANEL SCHEDULE FOR DETAILS)
T	TRANSFORMER, SIZE AS NOTED
	AUTOMATIC TRANSFER SWITCH
	EXISTING EQUIPMENT TO REMAIN
	NEW EQUIPMENT OR WORK OF THIS PROJECT
	TELEPHONE/COMPUTER RACEWAY SYSTEM
	TELEPHONE/COMPUTER TERMINAL BOARD "TTB"
S	INTERCOM SYSTEM SPEAKER
	COMPUTER/TELEPHONE OUTLET WITH (2) 8-CONDUCTOR RJ-45 JACKS IN A SINGLE-GANG BOX MOUNTED AT 18" A.F.F. C = ABOVE THE COUNTER P = PUBLIC PAY (48" A.F.F.) W = WALL MOUNTED (18" A.F.F.)
	DATA/TELEPHONE PORT - CEILING MOUNTED
	DATA/TELEPHONE PORT - FLOOR MOUNTED
TV	TELEVISION SIGNAL WALL OUTLET (M.H. = 18" A.F.F.) WITH 8-CONDUCTOR RJ-45 JACK AND F-TYPE RG6 COAX JACK IN SINGLE-GANG BOX.
TV	TELEVISION SIGNAL WALL OUTLET F-TYPE RG6 COAX JACK & COMPUTER/TELEPHONE OUTLET (2) 8-CONDUCTOR RJ-45 JACKS IN SINGLE-GANG BOX. (18" A.F.F.)
	SECURITY SYSTEM
	SECURITY SYSTEM CAMERA, PROVIDE POWER AND SIGNAL CONNECTION, SEE SPECS.
	SECURITY SYSTEM MONITORS AND RECORDERS, SEE SPECS.
CR	SECURITY SYSTEM CARD READER, SEE SPECS.
	SECURITY SYSTEM CABLES IN CONDUIT, SEE SPECS.
J S	SECURITY SYSTEM JUNCTION BOX AT ACCESSIBLE LOCATION.
	SECURITY SYSTEM HIDDEN PUSH BUTTON FOR DOOR STRIKE RELEASE, COORDINATE INSTALLATION WITH FURNITURE OR EQUIPMENT.
S	SECURITY SYSTEM SPEAKER WITH INTEGRAL MICROPHONE
KB	SECURITY SYSTEM KNOX BOX
	FIRE ALARM/DETECTION SYSTEM
P	FIRE ALARM MANUAL PULL STATION 48" A.F.F.
110 CD	COMBINATION AUDIBLE/VISUAL SIGNALING UNIT - FIRE ALARM HORN (SPEAKER)/ FLASHING STROBE LIGHT (WALL MTD.) MOUNT AT 80" A.F.F. OR 6" BELOW CEILING WHICHEVER IS LOWER.
WP	WP DENOTES WEATHERPROOF ENCLOSURE
15/75 CD	VISUAL SIGNALING UNIT - FLASHING STROBE LIGHT ONLY (80" TO BOTTOM) (NO AUDIO DEVICE)
P	PHOTO-ELECTRIC SMOKE DETECTOR E = ELEVATOR I = IONIZATION
DD	DUCT MOUNTED SMOKE DETECTOR, WITH SAMPLE TUBE, REMOTE TEST AND HEAVY DUTY CONTROL RELAY. R = RETURN S = SUPPLY
R	TYPICAL 120V. RESIDENTIAL TYPE SMOKE DETECTOR WITH SOUNDER BASE AND BATTERY BACK-UP.
CM	TYPICAL 120V. RESIDENTIAL TYPE COMBO SMOKE DETECTOR/CARBON MONOXIDE WITH SOUNDER BASE AND BATTERY BACK-UP.
S FA	FIRE ALARM SPEAKER (WALL OR CEILING MOUNTED)
F	FIREFIGHTER'S PHONE JACK
R/F	HEAT DETECTOR, FIXED TEMPERATURE (135°) UNLESS OTHERWISE INDICATED
	FIRE ALARM FLOW SWITCH (FURNISHED BY SPRINKLER CONTRACTOR)
	FIRE ALARM TAMPER SWITCH (FURNISHED BY SPRINKLER CONTRACTOR)
MD	MOTION SENSOR - CEILING MOUNTED
MM	MONITOR MODULE
FACP	FIRE ALARM CONTROL PANEL - ADDRESSABLE
RAP	FIRE ALARM REMOTE ANNUNCIATOR PANEL - FLUSH MOUNTED
FATC	FIRE ALARM TERMINAL CABINET
EWL	FIREFIGHTER'S ELEVATOR WARNING LIGHT
	DAS ANTENNA

NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT.

ABBREVIATIONS

A.C.	ABOVE COUNTER	EX	EXISTING
A.F.	ARC FAULT	ER	EXISTING RELOCATED
A.F.F.	ABOVE FINISHED FLOOR	G.F.I.	GROUND FAULT INTERRUPTER
A.S.W.	ABOVE SHOW WINDOW RCPT.	L.C.	LOCKABLE COVER
B.F.C.	BELOW FINISHED CEILING	M.H.	MOUNTING HEIGHT
B.F.G.	BELOW FINISHED GRADE	N	NEW DEVICE
C.B.	CIRCUIT BREAKER	N.F.	NON FUSED
CL	CENTER LINE	NL	NIGHT LIGHT
D	DEDICATED FOR COMPUTER, PROVIDE DEDICATED GROUND AND NEUTRAL	RE	EXISTING TO BE REMOVED
		T.C.	TERMINAL CABINET
IG	ISOLATED GROUND (ORANGE DEVICE)	T.S.	TIME SWITCH
		U.O.N.	UNLESS OTHERWISE NOTED
EM	PROVIDE EMERGENCY BATTERY PACK W/FIXTURE, CONNECT AHEAD OF ALL SWITCHES.	WP.	WEATHER PROOF ENCLOSURE
		XFMR.	TRANSFORMER.
		X / E-X.XX	DETAIL / SHEET NUMBER

NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT.

SHOP DRAWING REQUIREMENTS

1. CONTRACTOR SHALL SUBMIT 6 COPIES OF COMPLETED SHOP DRAWINGS, TOGETHER AT ONE TIME AND MUST COME THROUGH THE ARCHITECT. ALL SUBMITTALS SHALL BE MADE WITHIN 30 DAYS OF NOTICE TO PROCEED.
2. ALL SUBMITTALS MUST CLEARLY INDICATE EXACTLY WHICH ITEMS ARE BEING PROPOSED FOR USE. IF NOT, THE SUBMITTAL SHALL BE REJECTED.
3. SUBSTITUTIONS SHALL BE LIMITED TO ONE OF THE ALTERNATES LISTED IN THE CONSTRUCTION DOCUMENTS. PRODUCTS CONSIDERED TO BE EQUAL SHALL BE REVIEWED AND ACCEPTED BY THE ENGINEER, ARCHITECT AND OWNER (10) DAYS PRIOR TO BID DATE.
4. THE CONTRACTOR ASSUMES ALL DESIGN RESPONSIBILITY AND ALL FINANCIAL RISKS FOR PROCEEDING PRIOR TO SHOP DRAWINGS PROCESSING, AND ON ANY ITEM OR WORK THAT IS AT VARIANCE TO THE CONSTRUCTION DOCUMENTS.
5. SHOP DRAWINGS AND SUBMITTALS FOR EACH ITEM SHALL BE REVIEWED NO MORE THAN TWICE. A THIRD SUBMITTAL ON AN ITEM MUST BE ACCOMPANIED BY A PURCHASE ORDER FROM THE CONTRACTOR OR IT SHALL BE REJECTED.
6. CIRCUMSTANCES NECESSITATING A REVISION TO THE PERMITTED DOCUMENTS NOT PROCESSED PRIOR TO INSTALLATION MAY NOT BE ACCEPTED. IF ACCEPTED IT MUST BE LEGIBLE, ACCURATE AND ACCOMPANIED BY A PURCHASE ORDER ORDER FROM THE CONTRACTOR. THE REVISION SHALL BE CHARGED TO THE CONTRACTOR AND DELIVERED TO HIM ON A C.O.D. BASIS.
7. SUBSTITUTIONS FROM THE BASE DESIGN OR VARIATIONS TO THE PERMITTED CONTRACT DOCUMENTS, WHETHER RESULTING FROM PROCESSED SHOP DRAWINGS OR NOT, THAT RESULT IN REQUIREMENTS IN LETTERS OF AUTHORIZATION AND/OR PERMIT CONTRACT DOCUMENT CHANGES MANDATED BY THE AUTHORITY HAVING JURISDICTION WILL NOT BE MADE BY THIS OFFICE UNLESS ACCOMPANIED BY A PURCHASE ORDER FROM THE CONTRACTOR, AND RELEASED ON A C.O.D. BASIS.
8. ENSURE THAT SHOP DRAWINGS SUBMITTALS ALONG WITH ALL EQUIPMENT LISTS, DATA SHEETS, BATTERY CALCULATIONS, VOLTAGE DROP AND ALL ASSOCIATED REQUIREMENTS AS PER CHAPTER 1 AND 9 OF THE IFC ARE SUBMITTED AND APPROVED BY THE LOCAL AHU PRIOR TO ORDERING EQUIPMENT.
9. CONTRACTOR SHALL ENSURE THAT ALL THE REQUIREMENTS OF NFPA 70 AND NFPA 72, AND THE REQUIREMENTS OF ALL THE GENERAL NOTES ARE MET.
10. IT IS THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR TO CONNECT ALL EQUIPMENT ASSOCIATED WITH FIRE SPRINKLER SYSTEM; TO THE FIRE ALARM SYSTEM.
11. CONTRACTOR SHALL PROVIDE FRAMED PERMANENT ZONE MAPS, AND PLACE SAID MAPS AT AL FACP/REMOTES TO SHOW ALL COMPNENTS OF THE SYTEM. CONSULT THE LOCAL AHJ FOR SPECIFIC REQUIREMENTS.
12. CONTRACTOR SHALL PROVIDE NFPA 72 FINAL CERIFICATE OF COMPLETION TO AHJ.

FIRE ALARM NOTES

1. THE MAIN FIRE ALARM CONTROL PANEL SHALL BE A MICROPROCESSOR BASE SYSTEM WITH ADDRESSABLE, INTELLIGENT DETECTORS. ADDRESSABLE CONTROL RELAY AND MONITOR MODULES, VISIBLE AND AUDIBLE SYSTEM ANNUCIATORS AND OTHER SYSTEM CONTROLLED DEVICES AS REQUIRED.
2. ALL WIRING AND CONDUIT TO CONFORM TO N.F.P.A. 72 (CURRENTLY EDITION) AND N.F.P.A. 70 (CURRENTLY EDITION) ARTICLE 760. WIRING SHALL BE SOLID COPPER OR STRANDED COPPER WITH A MAX. OF 7 STRANDS FOR 16 GA AND 18 GA, STRANDED COPPER WITH A MAX. OF 19 STRANDS FOR SIZES 14 AND LARGER PER N.F.P.A 70 ARTICLE 760.
3. ALL FIRE STOP PENETRATIONS SHALL BE MADE WITH APPROVED (NEC) METALLIC CONDUIT AND SHALL BE SEALED WITH A U.L. APPROVED FIRE STOP MATERIAL.
4. ALL FIRE ALARM VISUAL SIGNAL (STROBES) SHALL ACTIVATE UPON INITIATION OF THE GENERAL ALARM.
5. ALL FIRE ALARM VISUAL SIGNALS IN OPEN AREA SHALL HAVE A THREE PLUS TEMPORAL PATTERN.
6. ALL FIRE ALARM AUDIBLE SIGNALS SHALL HAVE A SOUND LEVEL OF AT LEAST 15 dba ABOVE THE AVERAGE ABMBIENT SOUND LEVEL.
7. MANUAL STATIONS SHALL BE INSTALLED AT 48" INCHES A.F.F.
8. MOUNT FIRE ALARM SYSTEM HORN/STROBES SUCH THAT THE ENTIRE LENS IS 80" A.F.F. OR 6" BELOW CEILING, WHICH EVER IS LOWER.
9. MOUNT FIRE ALARM SYSTEM STROBES SUCH THAT THE ENTIRE LENS IS 80" A.F.F. OR 6" BELOW CEILING, WHICH EVER IS LOWER.
10. SMOKE DETECTORS TO BE INSTALLED AS REQUIRED BY N.F.P.A. 72.
11. THE FIRE ALARM PANEL SHALL HAVE AN EARTH GROUND CONNECTION AS REQUIRED BY THE SYSTEM MANUFACTURER, AND N.E.C. ARTICLE 760. MINIMUM WIRE SIZE IS #8 AWG FOR GROUND CONNECTION. (NOTE PANEL NEUTRAL OR CONDUIT GROUND IS NOT ACCEPTABLE).
12. A GENERAL ALARM SHALL BE ANNUNCIATED UPON ACTIVATION OF ANY PULL STATION OR DETECTION DEVICE.
13. A TROUBLE SIGNAL SHALL BE ANNUNCIATED UPON FAILURE OR REMOVAL OF ANY DETECTION OR MANUAL DEVICE.
14. HVAC DUCT SMOKE DETECTORS SHALL BE CONNECTED TO THE FIRE ALARM CONTROL PANEL AND SHALL INITIATE A SUPERVISORY SIGNAL ONLY.
15. FIRE ALARM SYSTEM SHALL BE U.L. CERTIFIED.
16. ALL FIRE ALARM INITIATING DEVICES SHALL BE ADDRESSABLE AND ALL FIRE ALARM CIRCUITS SHALL BE CLASS "B", STYLE "Y".
17. PROVIDE CERTIFICATE OF COMPLETION AT THE FINAL INSPECTION OF THE FIRE ALARM SYSTEM.
18. FIRE ALARM CONTRACTOR SHALL PROVIDE A DETAILED SET OF SHOP DRAWINGS (INCLUDING DEVICE CUT SHEETS), A COMPLETE POINT TO POINT WIRING DIAGRAM, FLOOR PLAN DRAWINGS INDICATING ALL DEVICE LOCATIONS AND NUMBERS, COMPLETE BATTERY CALCULATIONS AND COMPLETE NOTIFICATION APPLIANCE CIRCUIT CALCULATIONS (FOR THE SYSTEM TO BE INSTALLED) TO THE BUILDING DEPARTMENT (AUTHORITY HAVING JURISDICTION) AT THE TIME OF APPLICATION FOR BUILDING PERMIT.
19. FIRE ALARM CONTRACTOR SHALL PROVIDE THE OWNER WITH A COMPLETE FIRE ALARM SYSTEM AND INSTALLATION MANUAL OVERING ALL SYSTEM EQUIPMENT INSTALLED FOR THIS PROJECT. KEEP AT THE MAIN FIREALARM CONTROL PANEL.
20. ACCES CONTROL SYSTEM SHALL BE TIED TO FIRE ALARM SYSTEM. CONTRACTOR SHALL VERIFY LOCATION AND QUANTITIES.
21. DRAWING MUST COMPLY WITH 61G15-32.008 DESIGN OF FIRE ALARMS, SIGNALING SYSTEMS, AND CONTROL SYSTEMS.

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ELECTRICAL SHEET INDEX

Sheet Number	Sheet Name
E001	INDEX, NOTES AND SYMBOL LEGEND
E101	LEVEL 1 - POWER FLOOR PLAN
E102	LEVEL 1 - LIGHTING PLAN
E103	ROOF ELECTRICAL PLAN
E104	LEVEL 1 - FIRE ALARM PLAN
E105	RISER DIAGRAM AND PANEL SCHEDULES

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NO.	DATE	DESCRIPTION
2	06/11/24	Response to Comments

CLIENT:
JAM EQUITIES

PROJECT NAME / LOCATION:
OKEE - SHUL
PROJECT ADDRESS

DRAWING TITLE:
INDEX, NOTES AND SYMBOL LEGEND

EXAMINER'S SIGNATURE:

PROFESSIONAL SEAL:
George SanJuan 2024.06.13 09:48:35 -04'00'

SCALE:
DATE:
PROJECT NO. NJ079.4

E001
DRAWING NO.

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THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECTS. DO NOT SCALE DRAWING. THE DRAWING SHALL NOT BE USED UNTIL SIGNED BY CONSULTANTS.