ELECTRICAL GENERAL SPECIFICATION NOTES

- G" CONTRACTOR RESPONSED "THE ELECTRICAL NOTES, SPECIFICATIONS, AND PLANS ("THE DOCUMENTS") ADOMESS THE REQUIREMENTS AND RESPONSIBILITIES OF THE ELECTRICAL CONTRACTOR. UNLESS NOTED OTHERWISE, THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL WORK OF AN ELECTRICAL NATURE. THE TERM "PROVIDE" USED IN THESE DOCUMENTS SHALL BE DEFINED AS "TUPYSH AND INSTALL"
- G2 COMPLETE SYSTEMS. PROVOK LABOR, MATERIALS, EQUIPMENT, AND TRANSPORTATION TO PECEIVE, INSTALL ADJUST, AND PUT INTO OPERATION COMPLETE ELECTRICAL SYSTEMS IN ACCORDANCE WITH THE PATENT OF THE CONTRACT DOCUMENTS. PROVIDE PRODUCTS NOT MENTIONED BUT OFFICERY MECESSARY AND INCIDENTAL TO THE COMPLETION OF THIS WORK.
- G3 SCOPE: WORK SMALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING: ELECTRICAL WORK AS REQUIRED FOR COORDINATION, POWER DISTRIBUTION AND LIGHTING.
- C4 UTILITIES: COOPDINATE WITH ALL BUILDING SERVICES AS REQUIRED. NOTIFY OWNER OF COMMENCEMENT OF WORK. WAKE ALL ARRANGEMENTS FOR TEMPORARY SERVICES. PROVIDE ALL WORK AND MATERIALS NECESSARY TO COMPLY WITH ALL OWNER REGULATIONS AND
- TEMPORARY POWER THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND UPON COMPLETION, REMOVE SYSTEM OF TEMPORARY LIGHTING AND POWER FOR THE USE OF ALL CONSTRUCTION TRADES AS MECESSARY, COORDINATE TEMPORARY POWER AND LIGHTING WITH BUILDING OWNER AND CENERAL CONTRACTOR.

WRING SHALL BE PROVIDED FOR TEMPORARY USE DURING BUILDING CONSTRUCTION, INCLUDING GROUNDING AND FUSED MAIN CUT-OFF SWITCHES. TEMPORARY ELECTRIC LINES WITH BRANCH SWITCHES SHALL BE PROVIDED FOR UGHTING AND FOR TAPS FOR ELECTRIC TOOLS, PUMPS AND OTHER TEMPORARY EQUIPMENT. ALL POWER OUTLETS SHALL BE GROUNDED TO AN EQUIPMENT WIRE IN AN APPROVED MANNETS ELECTRIC LINES SHALL BE EXCEPTED TO POWER TOOLS WHICH CANNOT BE LOCATED WITHIN REACH OF EXTENSION CORDS.

UGHT BULBS SHALL BE PROVIDED IN SUFFICIENT QUANTITY TO LIGHT THE BUILDING FOR SAFETY PURPOSES. EXTENSION CORDS SHALL BE PROVIDED AS MAY BE ESSENTIAL TO THE PROPER EXECUTION OF THE MORE.

TEMPORARY LIGHTING SHALL THE PROVIDED FOR ALL STAIRS AND OTHER LOCATIONS WHERE NEEDED FOR SAFETY OR THE PROPER EXECUTION OF THE WORK AND SHALL CONFORM TO ALL

THE ELECTRICAL CONTRACTOR SHALL MAINTAIN TEMPORARY LIGHTING AND POWER SYSTEMS IN COOD WORKING CONDITION, SHOLLOWING THE RELOCATION AND REINSTALLATION WHEN REQUIRED TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION. PROVIDE GROUND FAULT PERSONNEL PROTECTION FOR ALL SINGLE PHASE, 15 AMPERE

RECEPTACLES ALL RECEPTACLES AND PORTABLE COPD CONNECTORS SHALL HAVE NEMA

STANDARD LOOKING TYPE CONFIGURATIONS AND SHALL CONFORM TO ALL OSHA STANDARDS.

- PERMITS: OBTAIN ALL NECESSARY PERMITS TO BEGIN AND CONTINUE WITH WORK. PAY ALL ASSOCIATED FEE'S FOR PERMITS AND OTHER MUNICIPAL AND GOVERNING REQUIREMENTS.
- EXPERIENCE: ALL WORK DONE SHALL BE PERFORMED BY QUALIFIED ELECTRICIANS UNDER THE SUPERVISION AND DIRECTION OF A SUPERINTENDENT HAVING SUCCESSFUL EXPERIENCE INSTALLING AND SUPERVISING EQUIPMENT AND SYSTEMS OF SIMILAR TYPE AND SIZE AS
- GB. REGULATIONS: ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT RULES, REGULATIONS, AND INDUSTRY STANDARDS OF THE NATIONAL ELECTRICAL CODE (NEC). UL, NEMA, NEPA COMA, NATIONAL ELECTRICAL SAFETY COOK, TAS/ADA, AND ANY LOCAL CODES LAWS, OR ORDINANCES. IN THE EVENT THAT A DISCPEPANCY IS FOUND IN THE CONTRACT DOCUMENTS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- G9. COSTS AND CHOCHONS: EXAMINE AND BECOME FAMILIAR WITH ALL CONTRACT DOCUMENTS IN THEIR ENTIRETY SURVEY THE PROJECT AND BECOME FAMILIAR WITH EXISTING CONDITIONS AND SCOPE OF WOM ALL COSTS SUMMETTED SHALL BE BASED ON A THOROUGH KNOWLEDGE OF ALL WORK AND WATERIALS PEOUPPED ANY ADDITIONAL COSTS DUE TO FAILURE TO COMPLY WITH THIS RECOMPENENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- GIO. SPECIFICATIONS BECOME FAMILIAR WITH ALL SPECIFICATIONS, INSTALLATION REQUIREMENTS, AND EQUIPMENT PEQUIREMENTS PROPERTO ANY EQUIPMENT PURCHASE OR INSTALLATION. REFERENCE SECONGATIONS FOR DEVICES, MATERIALS, AND WORKMANSHIP REQUIREMENTS.
 ADDITIONAL REQUIREMENTS ARE GIVEN IN THESE NOTES AND THE DRAWINGS. THERE SHALL BE NO DEVIATIONS FROM SPECIFICATIONS WITHOUT THE APPROVAL OF THE OWNER.
- G11. COORDINATION: COORDINATE WORK AND SCHEDULING WITH ALL OTHER TRADES. GIVE SPECIAL CONSIDERATION TO COORDINATING INSTALLATION OF LIGHTING, PLUMBING PIPING, AND DUCTWORK, COOPDINATE WALL OUTLET LOCATIONS WITH MILLWORK, COORDINATE WALL SWITCHES WITH DOOR SWINGS. VERRY EXACT LOCATION, COLOR, AND FINISH OF OUTLETS AND DEVICES WITH DESIGNATED OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- G12. PRODUCTS: AL PRODUCTS SHALL BE NEW, U.L. APPROVED, AND OF A SPECIFICATION GRADE. PROVIDE THE STANDARD PRODUCTS OF MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF SPECIFIED PRODUCTS, UNLESS OTHERWISE REQUIRED BY DRAWINGS. ALL PRODUCTS SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH NATIONALLY RECOGNIZED AND ACCEPTED STANDARDS AND PROCEDURES. COMPLY WITH ALL MANUFACTURERS' PEQUIREMENTS AND RECOMMENDATIONS. CONTRACTOR SHALL NOT MAKE PRODUCT SUBSTITUTIONS WITHOUT FOR APPROVAL
- G13. IDENTIFICATION: ALL ELECTRICAL E. PMENT, SUCH AS PANELS, AND ALL OTHER SIMILAR ITEMS WHICH ARE FURNISHED UNICET THIS HEADING OF THE SPECIFICATIONS SHALL BE ADEQUATELY IDENTIFIED WITH ENGRA ID LAMINATED PLASTIC NAMEPLATE HAVING BLACK BACKGROUNDS AND WHITE LETTEPS AORDING ON THE NAMEPLATES SHALL CLEARLY INDICATE THE NAMES AND FUNCTIONS OF THE EQUIPMENT. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL FIVE COMES OF A UST OF ALL EQUIPMENT TO BE IDENTIFIED TOGETHER WITH THE WORDING TO BE USED ON THE NAMEPLATES BEFORE ORDERING.
- THE TYPES OF NAMEPLATES AND THE CHARACTER OF LETTERS SHALL NOT BE LESS THAN 2-1/2" X 3/4" X 1/8" THICK WITH BEVELED EDGES, AS MANUFACTURED BY SETON NAMEPLATE COMPANY, NEW HAVEN, CONVECTICUT, OR AS APPROVED.
- G14. WRING: ALL CONDUCTORS CAPRYING GREATER THAN 50 VOLTS SHALL BE MINIMUM #12 AWG. CONDUCTOR SIZES #10 AWG AND SMALLER SHALL BE SOUD COPPER, SOFT DRAWN OF 98% CONDUCTIVITY, UNLESS NOTED OTHERWISE. CONDUCTORS OF SIZE #8 AWG OR LARGER SHALL BE CONCENTRIC LAY STRANGED. PROVIDE MINIMUM #14 AWG CONDUCTORS, CARRYING LESS THAN LINE VOLTAGE, FOR COMMUNICATIONS, CONTROLS, OR LOW VOLTAGE LIGHTING, UNLESS

CABLES: TYPE NM (POMEX) AND MC CABLES ARE PROHIBITED.

INSULATION: PROVIDE TYPE THWN OR THHN, TYPE INSULATIONS. COORDINATE INSULATION TYPES WITH CONDITIONS, NEC REQUIREMENTS, AND CONDUIT FILL REQUIREMENTS. ALL WRING SIZES ARE BASED ON 600 OR 750 INSULATION, REGARDLESS OF ACTUAL INSULATION USED. COMPLY WITH ALL UL "CREEN BOOK" REQUIREMENTS. REFERENCE CONDUIT NOTES BELOW.

HOMERUNS: PROVIDE MINIMUM \$10 AWG WIRING ON ALL 120 V HOMERUNS 100 FEET OR

NEUTRALS: SIZE ALL NEUTRALS FULL UNLESS SPECIFICALLY REDUCED ON PLANS. PROVIDE OVERSIZED NEUTRALS FOR FEEDERS AND SEPARATE NEUTRALS FOR BRANCH CIRCUITS SERVING HID LIGHTING, ELECTRONIC BALLASTS, AND OTHER EQUIPMENT PRODUCING ADVERSE HARMONICS. IF COMMON NEUTRALS ARE USED, USE NEXT HIGHER NEUTRAL CONDUCTOR SIZE. (IE. 2#12, 1#10N; 3#12, 1#10N)

120/208V. 3 PHASE. 4 WIRE

- BLACK PHASE B

The state of the s

- G15. GROUNDING: ALL CIRCUITS SHALL BE RUN WITH A MINIMUM #12 AWG INSULATED GREEN COPPER GROUND WIRE, UNLESS OTHER WIRE SIZE IS NOTED. USE OF CONDUIT AS A GROUND IS UNACCEPTABLE,
- G16. CONDUIT: ALL WRING SHALL BE IN CONDUIT. MINIMUM 1/2" EMT CONDUIT IS ACCEPTABLE INDOORS FOR SIZES UP TO 3" IN DIAMETER. MINIMUM 3/4" FLEXIBLE METAL CONDUIT IS ACCEPTABLE ONLY WITH SEPARATE INSULATED GROUND WIRE FOR SWITCH DROPS OR LIGHTING FIXTURE WHIPS. ENT, ALUMINUM CONDUIT, NM ("ROMEX"), NMC, AND SNM ARE NOT ACCEPTABLE. ALL EXPOSED AND ACCESSIBLE CONDUITS SHALL BE RIGID STEEL

PVC CONDUIT: PVC CONDUIT, MINIMUM SCHEDULE 40, IS ACCEPTABLE ONLY FOR USE BELOW GRADE, AND ONLY WHEN INSTALLED WITH WIDE RADIUS RIGID STEEL TURNS. ROUTING: CONDUIT ROUTING SHOWN IS SYMBOUC AND DIAGRAMMATIC. INSTALL CONDUIT TO FIT ACTUAL FIELD CONDITIONS. COORDINATE ROUTING WITH ENGINEER IN FIELD WHERE DRAWINGS DO NOT REFLECT ACTUAL CONDITIONS. NOTE SUCH CONDITIONS IN SHOP DRAWINGS. CONDUIT SHALL NOT BE RUN IN OR THROUGH DUCTWORK.

BELOW GRADE: USE PVC COATED RIGID METALLIC CONDUIT, OR COVER METALLIC CONDUIT BELOW GRADE WITH ASPHALTUM OR BITUMASTIC TAPE. USE ONLY WATERTIGHT JOINTS. USE ONLY FITTINGS APPROVED FOR PVC TO METAL CONDUIT WHEN SUCH TRANSITIONS ARE MADE.

FITTINGS: USE ONLY FITTINGS APPROPRIATE FOR TYPES OF CONNECTIONS TO BE MADE. ALL FITTINGS SHALL BE COMPRESSION OR THREADED TYPE. USE OF SET SCREW FITTINGS IS ACCEPTABLE ONLY IF APPROVED BY OWNER AND LOCAL AUTHORITIES. FITTINGS FOR PVC, WHEN ALLOWED, SHALL BE APPROVED FOR USE WITH PVC AND WATERTIGHT. ALL FITTINGS MADE

- G17. CONDUIT FILL: CONDUIT FILL IS CALCULATED BASED ON TYPE THW INSULATION AND CONCENTRIC STRANDED CONDUCTORS. IF ALTERNATE CONDUIT SIZING IS DESIRED BY CONTRACTOR BASED ON THHIN INSULATION, CONTRACTOR IS RESPONSIBLE FOR CALCULATING ALTERNATE CONDUIT SIZES, SUBJECT TO APPROVAL BY ENGINEER.
- C18. PENETRATIONS: COORDINATE FLOOR PENETRATIONS WITH STRUCTURAL ENGINEER OR ARCHITECT. ALL PENETRATIONS THROUGH FIRE RATED SLABS AND PARTITIONS SHALL BE FIREPROOFED TO THE SAME OR GREATER RATING THAN THAT OF THE SLAB OR PARTITION. WHERE CONFLICTS OCCUR, NOTIFY ARCHITECT AND ENGINEER. COORDINATE WITH ALL LOCAL REGULATIONS AND
- G19. PROJECT RECORD DOCUMENTS: UPON COMPLETION OF WORK, PREPARE LIGHTING AND POWER PROJECT RECORD DOCUMENTS ("AS-BUILTS") ON A SUITABLE REPRODUCIBLE MEDIUM. PRESENT COMPLETED DRAWINGS TO OWNER AND TWO SETS OF PRINTS TO ENGINEER. "AS-BUILT" DRAWINGS SHALL INCLUDE ALL BRANCH CIRCUIT WORK, ALL PANELBOARD INFORMATION AVAILABLE, FINAL SWITCHING, AND ALL SUBMITTAL AND SHOP DRAWING MATERIALS.
- G20. WARRANTY: WARRANT ALL MATERIALS, EQUIPMENT, AND INSTALLATION FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY OWNER.
- G21. TELEPHONE/DATA RECEPTACLES: TELEPHONE/DATA OUTLETS, RECEPTACLES, AND RACEWAYS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. VERIFY EXACT REQUIREMENTS WITH OWNER'S REPRESENTATIVE. COMMUNICATION WIRING SHALL BE INSTALLED IN A SEPARATE CONTRACT.
- G22. OVERCURRENT PROTECTION DEVICES:

FUSES: ALL FUSES 600 AMPERES OR LESS SHALL BE UL LISTED, CLASS R, CURRENT LIMITING, TIME DELAY, REJECTION TYPE, 250 VOLT. ACCEPTABLE MANUFACTURERS: BUSSMANN, GOULD SHAWMUT.

CIRCUIT BREAKERS: FURNISH AND INSTALL NEW CIRCUIT BREAKERS AS INDICATED ON THE DRAWINGS. PROVIDE THERMAL-MAGNETIC, MOLDED CASE CIRCUIT BREAKERS OF FRAME AND TRIP RATINGS AS SHOWN ON THE DRAWINGS.

THE FRONT FACES OF ALL CIRCUIT BREAKERS SHALL BE FLUSH WITH EACH OTHER. LARGE PERMANENT INDIVIDUAL CIRCUIT NUMBERS SHALL BE AFFIXED TO EACH BREAKER IN A UNIFORM POSITION. TRIPPED INDICATION SHALL BE CLEARLY SHOWN BY THE BREAKER HANDLE TAKING A

EACH CIRCUIT BREAKER SHALL HAVE A RATING EQUAL TO OR GREATER THAN THE INTEGRATED EQUIPMENT RATING OF THE EXISTING BREAKERS. A CIRCUIT DIRECTORY FRAME AND CARD WITH A CLEAR PLASTIC COVERING SHALL BE PROVIDED ON THE INSIDE OF THE PANEL DOOR. THE DIRECTORY CARD SHALL PROVIDE A SPACE AT LEAST 1/4" HIGH AND 3" LONG OR EQUIVALENT FOR EACH CIRCUIT. THE DIRECTORY SHALL BE TYPED TO IDENTIFY THE LOAD FED BY EACH

SPLICES WITHIN PANELBOARDS ARE PROHIBITED.

GENERAL LIGHTING NOTES

- L1. FIXTURES TYPES: IN GENERAL, FIXTURE TYPES ARE TO BE AS SPECIFIED OR APPROVED EQUAL. DESIGNATIONS: REFERENCE LIGHTING FIXTURE SCHEDULE AND REFLECTED CEILING PLAN FOR COMPLETE DESCRIPTION OF EACH FIXTURE TYPE. LIGHT FIXTURES ARE IDENTIFIED BY LETTERS
- L2. ALL INTERIOR LIGHTING SHALL BE CONTROLLED BY INDIVIDUAL WALL SWITCHES OR OCCUPANCY SENSORS AS SHOWN ON THE DRAWINGS.
- L3. SWITCH LOCATIONS: TYPICAL SWITCHING SHALL BE LOCATED INSIDE EACH ROOM NEAR THE STRIKE SIDE OF EACH DOOR, UNLESS OTHERWISE SHOWN OR NOTED ON PLANS. MOUNT SWITCHES AT 48" AFF OR AS DIRECTED BY OWNER.
- L4. SWITCHES: PROVIDE SPECIFICATION GRADE TOGGLE STYLE, SILENT SWITCHES, RATED 20 AMPERES, 120 VOLTS PROVIDE POLE AND THROW COMBINATIONS AS INDICATED. SINGLE POLE SWITCHES EQUAL TO LEVITON #1221-2W. SINGLE POLE THERMAL ELEMENT SWITCHES EQUAL TO SQUARE D, CLASS 2510, TYPE F. WALL SWITCH OCCUPANCY SENSOR EQUAL TO LEVITON #0DC15-ID. CEILING MOUNTED OCCUPANCY SENSOR EQUAL TO LEVITON #0DC20-MOW. THREE-WAY SWITCH EQUAL TO LEVITON #1223-2W.

PLATES: PROVIDE NYLON SWITCH PLATES. VERIFY DEVICE AND PLATE COLOR WITH ARCHITECT. APPROVED MANUFACTURERS: HUBBELL, LEVITON, LUTRON, PASS & SEYMOUR, OR APPROVED

L5. EXIT SIGNS: PROVIDE EXIT SIGNS PER LIGHT FIXTURE SCHEDULE WITH INTEGRAL 90 MINUT BATTERY BASED EMERGENCY POWER SOURCE WITH BATTERY INDICATOR LIGHT AND TEST SWITCH.

L6. FIXTURE LOCATIONS: REFERENCE REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF LIGHT

- FIXTURES. COORDINATE INSTALLATION IN FIELD WITH OWNER AND ENGINEER.
- INSTALLATION: WIRE FROM JUNCTION BOXES TO FIXTURES OR SWITCHES AS INDICATED. ADDITIONAL JUNCTION BOXES WILL BE REQUIRED BEYOND THOSE SHOWN. SUPPORT: ALL 2x4 FLUORESCENT LIGHT FIXTURES SHALL BE INDEPENDENTLY SUPPORTED FROM BUILDING STRUCTURE WITH TWO TIE WIRES ON DIAGONAL CORNERS. TIE WIRES SHALL BE EQUAL TO THOSE USED TO SUPPORT CEILING.
- L8. ENERGY EFFICIENCY: ALL FLUORESCENT AND H.I.D. FIXTURES AND EXIT SIGNS SHALL BE ENERGY EFFICIENT TYPE, AND ALL FLUORESCENT FIXTURES SHALL HAVE PROGRAMMED START ELECTRONIC

GENERAL POWER NOTES

- P1. GENERAL: VERIFY EXACT LOCATION OF OUTLETS AND DEVICES WITH OWNER PRIOR TO ROUGH-IN. PROVIDE OUTLETS BOXES, DEVICES, COVERPLATES, AND PLASTER RINGS AS
- P2. COORDINATION: MOUNT ALL OUTLETS AT HEIGHT AND ORIENTATION AS SHOWN ON PLANS. COORDINATE ALL HEIGHTS, DIMENSIONS, AND CONFIGURATION OF DEVICES NOT INDICATED ON
- P3. CONVENIENCE OUTLETS: ALL CONVENIENCE OUTLETS SHOWN SHALL BE NEMA TYPE 5-20R SPECIFICATION GRADE DUPLEX RECEPTACLES (LEVITON #5362W OR EQUAL) WITH NYLON COVERPLATES. INSTALL AT ADA REQUIRED 18" AFF, UNLESS NOTED OTHERWISE. VERIFY DEVICE AND PLATE COLOR WITH ARCHITECT.
- P4. GFI RECEPTACLES: ALL GROUND FAULT INTERRUPT (GFI) DEVICES SHALL BE RATED AT 20 AMPERES AND SHALL HAVE A DEDICATED GREEN GROUND WIRE. THE GROUND WIRE SHALL BE RUN CONTINUOUS AND UNSPLICED BETWEEN DEVICE AND PANEL GROUND BUS. RECEPTACLES
- P5. PHOTOCELL: PHOTOCELL UNITS SHALL BE USED TO CONTROL EXTERIOR LIGHTING, REFER TO
- P6. INSTALLATION: DROP FROM JUNCTION BOXES TO DEVICES AS INDICATED. ADDITIONAL JUNCTION BOXES MAY BE REQUIRED BEYOND THOSE SHOWN.
- P7. CONTROL WRING: PROVIDE CONTROL WRING AND CONDUIT FROM ALL NECESSARY AIR CONDITIONING CONTROLS. VERIFY EXACT REQUIREMENTS WITH EQUIPMENT SUPPLIER, HVAC
- P8. EXPOSED EQUIPMENT: EQUIPMENT EXPOSED TO WEATHER SHALL BE WEATHERPROOF, NEMA 3R, OR AS SPECIFIED ON PLANS.
- P9. DISTRIBUTION EQUIPMENT: PROVIDE ONLY COMMERCIAL GRADE DISTRIBUTION EQUIPMENT PURCHASED FOR USE ON THIS PROJECT. DISCONNECT SWITCHES: PROVIDE HEAVY DUTY RATED DISCONNECT SWITCHES, FUSED OR NONFUSED AS NOTED, AND VOLTAGE AS APPROPRIATE OR INDICATED ON PLANS, RATED AT

ACCEPTABLE MANUFACTURERS: SQUARE D, GENERAL ELECTRIC, SEIMENS I-T-E, CUTLER-HAMMER.

LIGHTING FIXTURE SCHEDULE		
TYPE	DESCRIPTION	LAMPS
F	FLUORESCENT 4' INDUSTRIAL FIXTURE WITH 2 LAMPS AND SOLID REFLECTOR. LITHONIA #L-232-MVOLT-GEB	(2) F32T8/735
w	FLUORESCENT CUTOFF WALL MOUNT FIXTURE WITH DIE-CAST HOUSING, GLASS LENS, PHOTOCELL AND EMERGENCY BATTERY PACK. 120V. LITHONIA #WSR-42TRT-FT-120-ELDWC-PE-* * - OWNER TO SELECT COLOR FROM STANDARD LIST	(1) 42W TRT
XE	COMBINATION L.E.D. EXIT SIGN AND EMERGENCY LIGHTING UNIT WITH WHITE IMPACT RESISTANT POLYCARBONATE HOUSING, SINGLE STENCIL FACE, RED LETTERS, TOP/BACK MOUNTING, UNIVERSAL ARROW KNOCKOUTS AND POLL RANGE OF DIRECTION IN LAMP HEAD ADJUSTMENT. LITHONIA #LHQM-S-W-1R-120/277	INCLUDED

2 ALL EXTERIOR DISCONNECT SWITCHES AND CONTROL

PANELS, OR ON THE EQUIPMENT NAMEPLATE.

(8) RECONNECT RELOCATED CONDENSER UNIT. REMOVE

BRANCH CIRCUIT WIRING (1"C-2#6,#8G).

(3/4"C-2#12,#12G) AS REQUIRED.

CIRCUIT WIRING (34"C-2#10,#10G)

UNLESS NOTED OTHERWISE.

EXISTING CIRCUIT BREAKERS IN PANEL AT WHICH FED

CONDENSER UNITS - (2) 30A/3P & (1) 40A/2P.

(9) PROVIDE NEW 20A/1P CIRCUIT BREAKER IN EXISTING

PANEL AT AND NEW BRANCH CIRCUIT WIRING

LIGHTING NOTES INDICATED BY SYMBOL: '(#)'

2 ALL EMERGENCY FIXTURES AND EXIT LIGHTS SHALL BE CONNECTED TO THE UNSWITCHED

(3) EMERGENCY FLUORESCENT FIXTURES SHALL BE

DURING AN ACTUAL POWER OUTAGE.

4 PROVIDE CHAIN HANAGERS FOR TYPE 'F'

A.F.F. TO ACCOMMODATE A.D.A. REQUIREMENTS,

HOMERUN OF THE LOCAL LIGHTING CIRCUIT FOR CONSTANT POWER TO THE BATTERY.

PURCHASED AND WIRED SUCH THAT THE FIXTURE

APPROVED BY THE MILLDING OFFICIAL.

CAN BE SWITCHED OFF BUT WILL ILLUMINATE

PROVIDE (3) NEW 50A/2P BREAKERS CONNECT

CONDENSER UNIT TO NEW CIRCUIT BREAKER VIA NEW

MECHANICAL PLANS.

ALLOW FOR NEW WORK.

DEVICES SHALL BE WEATHERPROOF. DISCONNECT

INSTALLED ON MOVING PARTS, REMOVABLE ACCESS

ELECTRICAL SYMBOLS

FLUORESCENT LTG. FIXTURE OF TYPE INDICATED

DUPLEX RECEPTACLE ABOVE COUNTER & BACKSPLASH

ELECTRICAL CONNECTION TO EQUIPMENT INDICATED

SPECIAL PURPOSE OUTLET

COMBINATION TELEPHONE/DATA OUTLET IN WALL

COMBINATION TELEPHONE/DATA OUTLET IN FLOOR

TELEPHONE OUTLET IN WALL

PANEL OR SWITCHBOARD - 250V. OR BELOW
PANEL OR SWITCHBOARD - 480V. OR 600V.

CEILING MOUNTED OCCUPANCY SENSOR

DISCONNECT SWITCH
COMBINATION MOTOR STARTER & DISCONNECT SWITCH

WALL MOUNTED OCCUPANCY SENSOR

AUTOMATIC AREA OVERRIDE SWITCH

SINGLE POLE SWITCH & PILOT

SM SINGLE THROW THERMAL SWITCH

KEY OPERATED SWITCH

WEATHERPROOF SWITCH

MAGNETIC MOTOR STARTER

e匠 VISUAL FIRE ALARM (CEILING MOUNT)

FIRE ALARM MANUAL PULL STATION

cEX AUDIO-VISUAL FIRE ALARM (CEILING MOUNT)

CLOCK HANGER OUTLET

FIRE ALARM BELL

Sh DUCT SMOKE DETECTOR

INTRUSION SYSTEM DETECTOR

DM SECURITY SYSTEM DOOR MONITOR

REF: 2/E4 REFER TO DETAIL 2 ON SHEET E4
UNO UNLESS NOTED OTHERWISE

FIXTURE ON NIGHT LTG. OR EMERGENCY CIRCUIT

O CEILING LIGHTING FIXTURE

-O-O-O- TRACK WITH LIGHT FIXTURES

DUPLEX RECEPTACLE

DOUBLE DUPLEX RECEPTACLE

GISOLATED GROUND RECEPTACLE

DUPLEX RECEPTACLE IN FLOOR

▼ TELEPHONE OUTLET IN FLOOR

DRY TYPE TRANSFORMER

SINGLE POLE SWITCH

THREE-WAY SWITCH

WALL DIMMER SWITCH

TWO POLE SWITCH

S. FOUR-WAY SWITCH

) SPEAKER

CLOCK

SMOKE DETECTOR

PUSHBUTTON

SEE NOTE #3

AFF ABOVE FINISHED FLOOR

MCB MAIN CIRCUIT BREAKER

TRANSFORMER

MLO MAIN LUGS ONLY

NIC NOT IN CONTRACT

FACP FIRE ALARM CONTROL PANEL
GFI GROUND FAULT INTERRUPTOR

TH HORN

CONDUIT HOMERUN TO PANEL INDICATED

TELEPHONE BACKBOARD OR CABINET

JUNCTION BOX

HO SIMPLEX RECEPTACLE

4__ EMERGENCY BATTERY PACK LIGHT

HO WALL MOUNTED LIGHTING FIXTURE

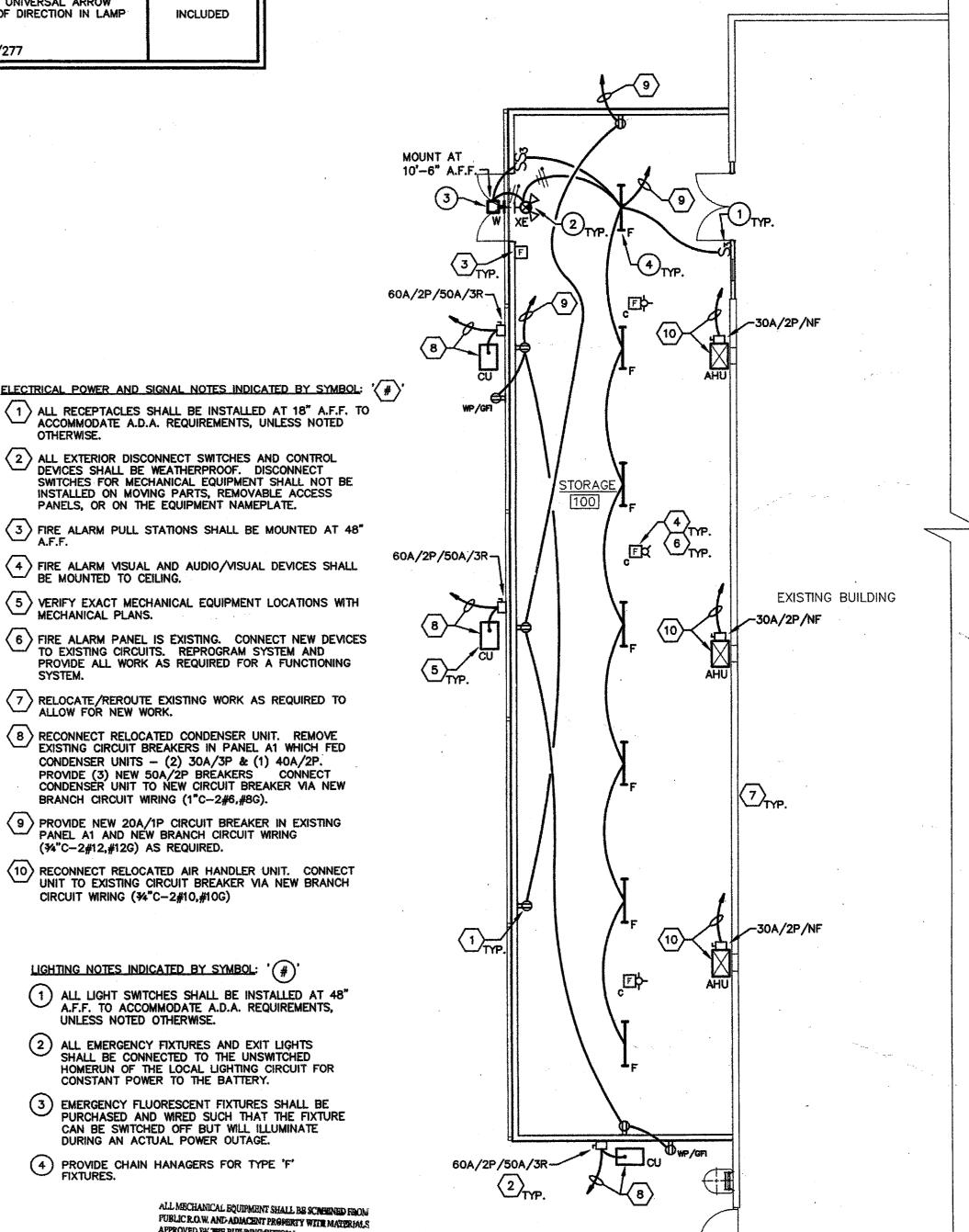
YMBOLS

FIRE ALARM DESIGN NOTE:
THE DEVICES AND NOTES SHOWN ON THESE DRAWINGS RELATING TO THE FIRE ALARM SYSTEM ARE PROVIDED, AS A MINIMUM, TO INDICATE SYSTEM INTENT ONLY. THE FIRE ALARM CONTRACTOR SHALL BE A STATE LICENSED FIRE ALARM CONTRACTOR AND SHALL BE RESPONSIBLE FOR ALL REQUIRED SYSTEM DESIGN TO MEET ALL APPLICABLE CODES AND ORDINANCES. ANY DEVICES OR SYSTEM APPURTENANCES REQUIRED TO MEET APPLICABLE CODES AND ORDINANCES AND NOT SHOWN ON THESE DRAWINGS SHALL BE DEEMED IMPLICITLY REQUIRED OF THE CONTRACTOR TO PROVIDE. CONTRACT REQUIRED SUBMITTALS SHALL ONLY BE SUBMITTED FOR ENGINEERING REVIEW AFTER THE CONTRACTOR HAS RECEIVED WRITTEN APPROVAL OF THE SYSTEM FROM THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ).

DALE W. CAFFEY

ENGINEERS, INC

FAX 972/818-6523



PARTIAL FLOOR PLAN -NEW ADDITION - ELECTRICAL

哥 O 9 大 STACY G. CARR 94803 11-20-07 SHEET: