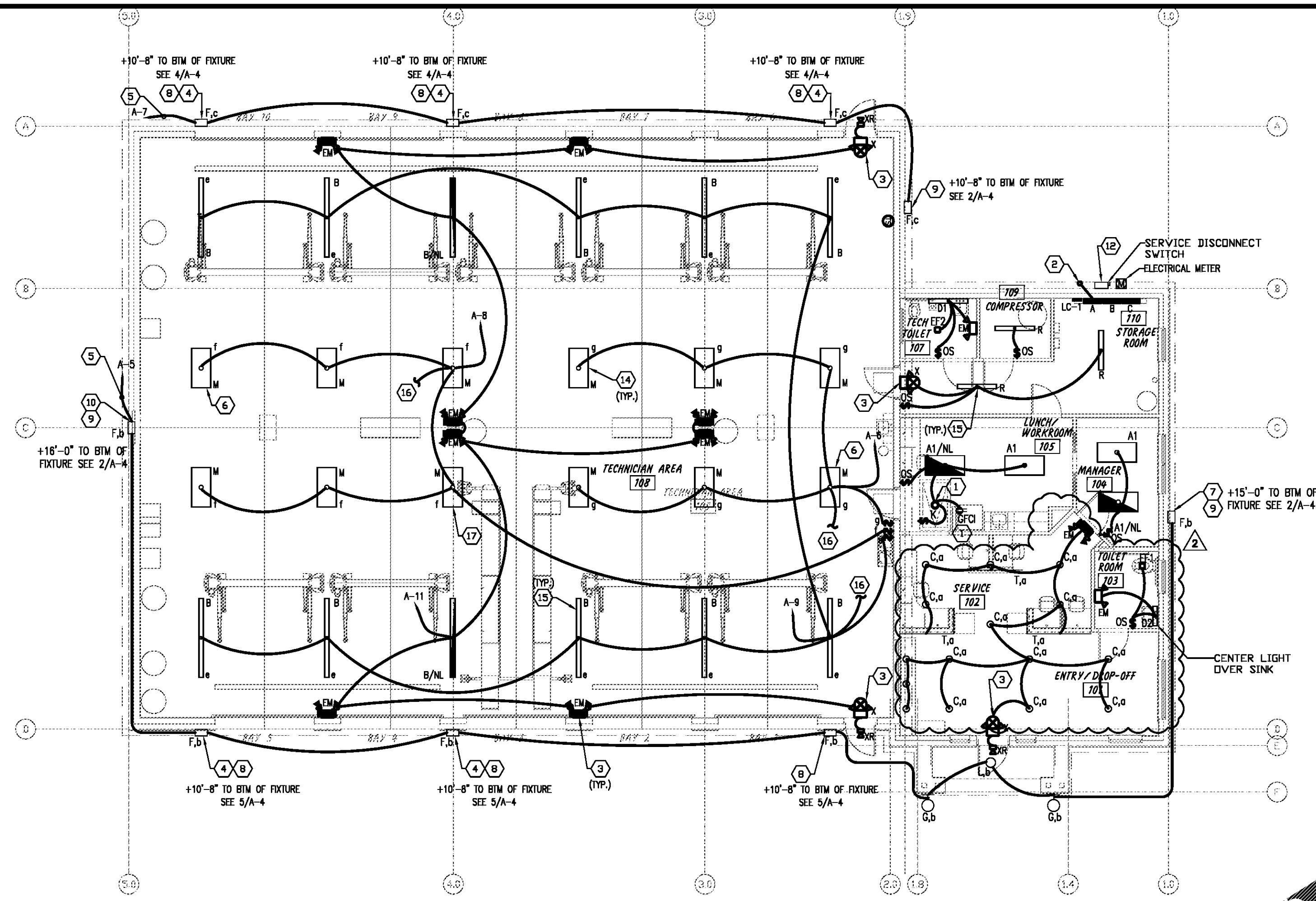
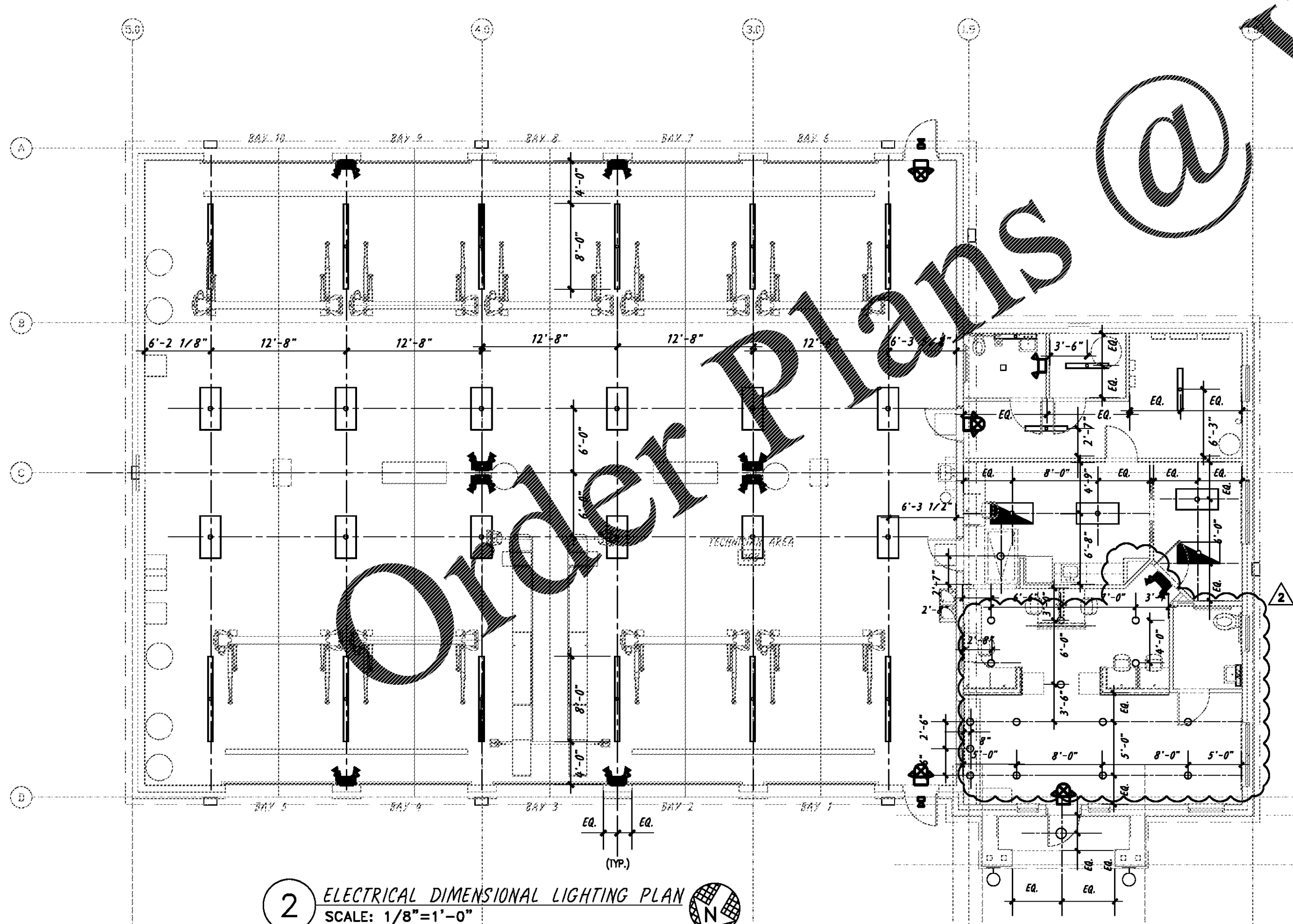


1 ELECTRICAL LIGHTING PLAN
SCALE: 1/8"=1'-0"



2 ELECTRICAL DIMENSIONAL LIGHTING PLAN
SCALE: 1/8"=1'-0"

LIGHTING FIXTURE SCHEDULE

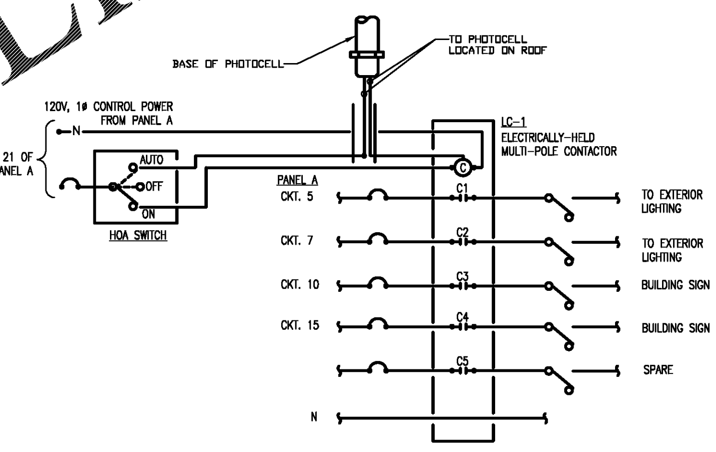
SYMBOL	FIXTURE ID	FIXTURE TYPE	MOUNTING	LAMP TYPE	WATTS	VOLTAGE	FIXTURE DESCRIPTION	MANUFACTURER	CATALOG NUMBER	NOTES
	A1	4' EDGELIT	SURFACE	LED	40W	120/277V	2'X4' EDGE-LIT PANELS, DIFFUSED LENS, SURFACE MOUNT KIT, WHITE FINISH	SYLVANIA	PANELF-2B-032-UNV-D-8-40-24G-WH	4' EDGE LIT FLAT PANEL FIXTURE DIFFUSED LENS, MOUNTING ACCESSORY #SMKIT1A/24A/WH
	B	8' TANDEM INDUSTRIAL	STRUT	(4) LED-15T8-L48-F-841-SUB-G5	69.5W	120/277V (4) LAMP BALLAST	(4) LAMP 8' INDUSTRIAL COLD ROLLED STEEL HOUSING BAKED WHITE ENAMEL FINISH, REFLECTOR DIE FORMED PRIME STEEL, CODE GAUGE, BAKED WHITE ENAMEL, 13-1/2" WITH WIREGUARD	METALUX	8TDIC-232-DS-GHE4X32T8ISN-SC-WG	8' TANDEM STRIP FIXTURE WITH REFLECTOR AND WIREGUARD SUSPENDED FIXTURE VIA FIXED STEM SET #SCF TO 10'-8" AFF, (2) 12" 4' REFLECTORS #IC-4FT-REFL AND (2) 4' WIREGUARDS #WG-D1-4FT-U
	C	6" DOWNLIGHT	RECESSED	LED MODULE	21.1	120/277V	6" LED DOWNLIGHT, 2000 LUMENS, AIRTIGHT NEW CONSTRUCTION, SPECULAR CLEAR FINISH	HALO	HC620D010 / HM512840 61WDC	6" LED DOWNLIGHT, 2000 LUMENS, 6" CONICAL REFELECTOR, WIDE 65° BEAM ANGLE, SPECULAR CLEAR FINISH.
	D1	4' WALL FIXTURE	WALL	(2) LED15T8-L48-F-841-SUB-G5	36W	120/277V (2) LAMP BALLAST	(2) LAMP LENDS HOUSING, PREMIUM GRADE ALUM HOUSING WITH BRUSHED FINISH WITH WALNUT STRIP FRONT AND ENDS, LENSED	METALUX	BAU-232-UNV-DS-GHE2X32T8ISN-SC	4' DIRECT / INDIRECT WALL BRACKET WITH ELECTRONIC BALLAST, MOUNTED AT 7'-6" AFF
	D2	INTERIOR WALL SCONCE	SURFACE	LED	25W	120V	AGED BRASS FINISH, WHITE CERAMIC-GLAZED MITERED GLASS	MODERN FORMS	WS-53932	WALL / BATH LED FIXTURE, 3000K, 2000 LUMENS. MOUNTED 7'6" AFF
	EM	(2) HEADED EMERGENCY	SURFACE	LED	1.56W	120/277V	INJECTION MOLDED WHITE HOUSING (2) HEADED LED EMERGECNY	SURELITE	APEL	THERMOPLASTIC, EMERGENCY LIGHTING UNIT WITH 90 MINUTE BATTERY BACKUP
	F	WALL PACK	SURFACE	LED	43.9W	120/277V	HEAVY DUTY WALL, DIE CAST ALUM HOUSING, LED, BLACK FINISH	MCGRAW-EDISON	ISW-AF800-LED-E1-SL4-BK	METAL [illegible] EXTERIOR WALL SCONCE, FORWARD THROW DISTRIBUTION, PROVIDE [illegible] CUT-OFF [illegible], CLEAR TEMPERED [illegible] LENS AND BLACK FINISH, MOUNT BOTTOM OF FIXTURE AT 10'-8" AFF
	G	DECORATIVE SCONCE	SURFACE	LED	9W	120V	(1) LAMP 30" X 10" DECORATIVE WALL SCONCE, BLACK FINISH	STERNBERG	6615BB-INC-WA-BK	WALL MOUNTED, COLONIAL STYLE CARRIAGE LIGHT, BLACK FINISH, MOUNT J-BOX AT 6'-8" AFF
	K	JELLY JAR	SURFACE	(1) LED9A-19DIMO-827-G5	9W	120V	DIE CAST ALUM, GLASS CAGED, GASKETED JELLY JAR	RAB	[illegible]X100DG	VAPORTIGHT COMPACT FLUORESCENT SOFFIT FIXTURE, GLASS GLOBE, WIREGUARD IN ATTIC SPACE
	L	RECESSED CAN	RECESSED	LED	38W	120/277V	8" LED, RECESSED CAN, EXTERIOR RATED GASKETED, 4000K	PORT	LDBA40-1-DD10T[illegible]RBA40-840-8[illegible]-LGSK [illegible]65-HB26	RECESSED COMPACT FLUORESCENT FIXTURE SOFFIT FIXTURE, 8" APERATURE 'UL'LISTED FOR DAMP LOCATION, CLEAR PRISMATIC LENS
	M	2' X 4' HIGHBAY	FLUSH CEILING AS NOTED	LED	203W	120/277V	FULL BODIED STEEL HOUSING, 24000 LUMEN, LED HIGHBAY	METALUX	HBLED-LD4-24-W-[illegible]-CD2-U	HIGHBAY INDUSTRIAL FLUORESCENT FIXTURE FLUSH TO CEILING, FIXTURE TIGHT TO STRUCTURE
	P2	PENDANT	CEILING	LED	60W	120V	(1) MEDIUM EDISON, MINI PENDANT, OIL RUBBED BRONZE FINISH	GENERATION LIGHTING	P1303ORB	5" MINI PENDANT, UNIVERSAL MOUNTING PLATE, ORDER WITH STEM KIT # STEMKIT-12-ORB
	T	TAPE LIGHT	SURFACE	LED	40W	120V	LED TAPE LIGHT, 4000K	HERA LIGHTING	LED TAPE: TAPE/B6/196/4000 (2 ROLLS); POWER CORD: TAPE/B/PC72/N8 72" (3PC); CONNECTING CABLE: TAPE/B/CC6/N8 (3PC); TRANSFORMER: PS24V/30/S (3PC)	CUTTABLE LED TAPE LIGHT, CONNECTOR AND TRANSFORMER REQUIRED, 72" POWER CORD, REF: A-8.1 FOR LOCATION OF LED TAPE LIGHT CONNECTION TO POWER.
	R	4' STRIP	SURFACE / WALL	(2) LED15T8-L48-F-841-SUB-G5	36W	120/277V (2) LAMP BALLAST	4' (2) LAMP COLD ROLLED STEEL HOUSING, BAKED WHITE ENAMEL FINISH, STRIP FIXTURE, FLIP SOCKETS, WIREGUARD	METALUX	SS-232-UNV-DS-GHE2X32T8ISNSC-WG-U	4' STRIP FIXTURE WITH WIREGUARD #WG-SS-4FT-U, ELECTRONIC BALLAST
	X	EXIT / EM COMBO	WALL / CEILING	LED	2.2W	120/277V	INJECTION MOLDED LED EXIT COMBO, REMOTE CAPABLE, MAINTENANCE FREE NICAD BATTERY	EXITRONICS	VLEDUWHEL90G26	COMBINATION EXIT SIGN / EMERGENCY LIGHT WITH RED LETTERS, UNIVERSAL AND WHITE HOUSING WITH 90 MINUTE BATTERY BACKUP
	XR	REMOTE EM	WALL / CEILING	LED	1.1W	[illegible]	SINGLE LAMP WEATHERPROOF SINGLE EXTERIOR EMERGENCY REMOTE, BLACK	EXITRONICS	CLEDG2WPBK	REMOTE TO BE PLACED AT EACH EGRESS DOOR, EXTERIOR TIED INTO TYPE 'X' ON THE INTERIOR

KEY NOTES:

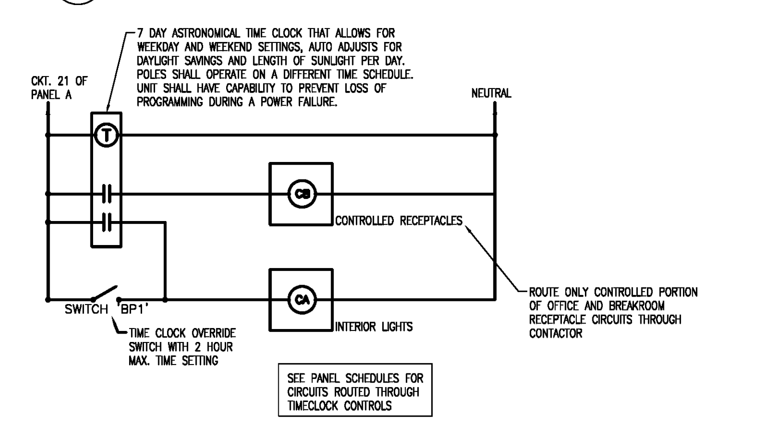
1. PROVIDE A CONVENIENT GFCI OUTLET AND A CAST ALUMINUM BASE TYPE FIXTURE WITH GLASS GLOBE AND WIRE GUARD IN ATTIC. SERVING SPST SWITCH SHALL BE LOCATED IN ACCESSIBLE LOCATION NEAR THE TOP OF THE ATTIC ACCESS POINT. THE LIGHTING FIXTURE SHALL NOT BE CONNECTED ON THE LOAD SIDE OF THE GFCI RECEPTACLE.
2. PROVIDE A 2" EMPTY SCHEDULE 40 PVC CONDUIT AT LEAST 24" BELOW GRADE FROM PANEL 'A' TO MONUMENT/PYLON SIGNS. STEEL CONDUIT SHALL PENETRATE INTO THE GARAGE TO THE PANEL. USE PVC TO STEEL CONDUIT COUPLING, SEE DETAIL 4/E-4.01. IF SIGN IS USED, PULL 2#10 AND 1#10 GROUND CU CONDUCTORS. VERIFY NUMBER OF SIGNAGE CIRCUITS AND CONDUCTORS WITH SITE SIGNAGE PROVIDER. ALL SIGNAGE FLOODLIGHT HOMERUNS SHALL BE CONTROLLED BY A ROOF MOUNTED PHOTOCELL WITH MANUAL OVERRIDE. SEE DETAIL 3/E-2.01. IF MONUMENT SIGN IS NOT USED, RUN PULLSTRING IN CONDUIT AND CAP AT BOTH ENDS.
3. ALL EXIT/EMERGENCY LIGHTS SHALL NOT BE SWITCHED AND BE ON THE SAME HOMERUN AS THE SURROUNDING NON-EMERGENCY FIXTURES IN THE ROOM/AREA.
4. ALL EXTERIOR LIGHTS TYPE 'F' SHALL BE CONTROLLED BY A ROOF MOUNTED PHOTOCELL WITH MANUAL OVERRIDE. MOUNTING HEIGHT FOR ALL TYPE 'F' SHALL BE 10'-8" A.F.F. TO BOTTOM OF FIXTURE UNLESS NOTED OTHERWISE.
5. REFER TO 4/E-2.01 FOR LIGHTING CONTROL DIAGRAM.
6. CONTRACTOR SHALL VERIFY THAT THERE IS ADEQUATE SPACING BETWEEN ADJACENT TYPE 'M' FIXTURES AND UNIT HEATERS. COORDINATE WITH OWNER.
7. CENTER EXTERIOR FIXTURE ON PEAK OF GABLE AT THE END OF THE BUILDING. REFER TO ARCHITECTURAL DRAWINGS. MOUNTING HEIGHT SHALL BE 15'-0" A.F.F. TO THE BOTTOM OF FIXTURE.
8. VERIFY EXTERIOR LIGHTING LOCATIONS WITH ARCHITECTURAL DRAWING A-5. MOUNT BOTTOM OF FIXTURE AT 10'-8" (IN LINE WITH TOP OF BAY DOOR). VERIFY BOTTOM OF FIXTURE HEIGHTS WITH NOTES AND ARCH DWG A-4.
9. VERIFY EXTERIOR LIGHTING LOCATIONS WITH ARCHITECTURAL DRAWING A-4. VERIFY BOTTOM OF FIXTURE HEIGHTS WITH NOTES AND ARCH DRAWING A-4.
10. CENTER EXTERIOR FIXTURE ON PEAK OF GABLE AT THE END OF THE BUILDING. REFER TO ARCHITECTURAL DRAWINGS. MOUNTING HEIGHT SHALL BE 16'-0" A.F.F. TO THE BOTTOM OF FIXTURE.
11. NOT USED.
12. LOCATION OF DISCONNECTS ON EXTERIOR WALL OF BUILDING. MOUNTING HEIGHT TO COMPLY WITH LOCAL CODES & ELECTRICAL COMPANY REQUIREMENTS.
13. NOT USED.
14. MOUNT TYPE 'M' LED HIGH BAY LIGHTING FIXTURES FLUSH TO CEILING. PIN FIXTURES TIGHT TO STRUCTURE TO AVOID VIBRATION DUE TO AIRFLOW FROM UNIT HEATERS.
15. REFER TO DETAIL 2/E-4.01 FOR TYPE 'B' AND TYPE 'R' LED STRIP LIGHTING FIXTURE MOUNTING.
16. WIRE LIGHTING IN TECHNICIAN AREA ROOM 108 SO THAT TYPE 'B' AND 'M' LIGHTING FIXTURES ARE CONTROLLED PER LIGHTING CONTROL DIAGRAM 4/E-2.01 AND LOCAL SWITCHES.
17. ENSURE LIGHT FIXTURE DOESN'T CONFLICT WITH RECEPTACLE IN THIS LOCATION.

GENERAL NOTES:

A. REFER TO SHEET E-1.01 FOR GENERAL NOTES AND SYMBOLS THAT SHALL APPLY TO ALL SHEETS IN THIS SET UNLESS NOTED OTHERWISE IN THE KEY NOTES.
B. LIGHTING PLACEMENTS ARE SHOWN FOR DESIGN PURPOSES ONLY. VERIFY EXACT FIXTURE LOCATIONS WITH ARCHITECT.
C. COORDINATE PLACEMENT OF FIXTURES WITH ACTUAL INSTALLATION OF MECHANICAL EQUIPMENT AND DUCTWORK.
D. VERIFY FIXTURE FINISH AND COLOR WITH OWNER PRIOR TO FIXTURE ORDER AND SUBMITTAL.
E. ELECTRICAL CONTRACTOR SHALL FURNISH, INSTALL, AND WIRE ALL EXIT SIGNS. VERIFY EMERGENCY LIGHT PLACEMENT WITH OWNER IN FIELD. FIXTURES SHALL HAVE PROPER UL LISTING FOR THEIR LOCATION.
F. ALL CONDUIT SHALL BE 3/4"EMT, UNO.
G. ALL CONDUCTORS SHALL BE MINIMUM #12 THHN/THWN COPPER UNO.
H. ALL EXTERIOR HOMERUNS SHALL HAVE A MINIMUM CONDUCTOR SIZE OF #10 AWG.
I. ALL MULTI-WIRE CIRCUITS SHALL HAVE A MINIMUM NEUTRAL SIZE OF #10 AWG.
J. ALL UNDERGROUND PVC CONDUITS ENTERING OR LEAVING THE BUILDING SHALL BE FITTED WITH MOISTURE RESISTANT SEALS AT ALL EXTERIOR WALL PENETRATIONS. PROVIDE EXPANSION FITTINGS TO ALL CONDUITS AS NECESSARY.
K. THESE DRAWINGS ARE INTENDED TO BE COMPLETE AT THE TIME OF ISSUE, BUT WILL NOT REFLECT ANY NEW EQUIPMENT OR LIGHTS THAT MAY BE MOVED, ADDED, OR SUBSTITUTED AFTER THE ISSUE DATE. PROVIDE ALL NECESSARY BREAKERS, WIRING, CONDUITS, RECEPTACLES, JUNCTION BOXES, SWITCHES, ETC. FOR EQUIPMENT AND LIGHTS NOT SHOWN ON PLANS OR FOR EQUIPMENT AND LIGHTS THAT HAVE BEEN MOVED, SUBSTITUTED, OR ALTERED. VERIFY ALL ELECTRICAL REQUIREMENTS OF NEW OR ALTERNATE EQUIPMENT AND LIGHTS WITH MANUFACTURER, CONTACT ELECTRICAL ENGINEER IF ANY DISCREPANCIES ARISE.



3 EXTERIOR LIGHTING CONTROLLED BY PHOTO-CONTROL
NOT TO SCALE



SEE PANEL SCHEDULES FOR CIRCUITS ROUTED THROUGH TIMECLOCK CONTROLS

4 INTERIOR LIGHTING CONTROLLED BY TIMECLOCK
NOT TO SCALE

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THIS SHEET IS PART OF THE CONSTRUCTION DOCUMENTS, OTHER SHEETS INCLUDING SPECIFICATIONS APPLY. THAT SHOWN HEREON IS SCHEMATIC IN NATURE AND NOT TO BE USED AS A SHOP DRAWING; THEREFORE, INCLUDE ALL MODIFICATIONS REQUIRED TO CONFORM TO SITE CONDITIONS AND THE EQUIPMENT AND MATERIAL USED. VERIFY LOCATIONS AND DIMENSIONS OF ALL ARCHITECTURAL AND STRUCTURAL ELEMENTS AS SHOWN ON THEIR RESPECTIVE DOCUMENTS, THESE ELEMENTS ARE SHOWN FOR REFERENCE AND SHALL BE VERIFIED PRIOR TO CONSTRUCTION AND THE ENGINEER ASSUMES NO LIABILITY FOR THE ACCURACY OF THESE ELEMENTS. NO DESIGN RESPONSIBILITY IS ASSUMED FOR ANY PORTION OF THE WORK THAT THE PROFESSIONAL ENGINEER HAS NOT SIGNED AND SEALED PER STATE/PROVINCE REQUIREMENTS.

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1/23/20 - Prototype Update
1 4/1/20 - City Comments
2 4/9/20 - T2 Client Rev.

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