

SOME OF THESE SYMBOLS SHOWN MAY NOT BE USED ON THIS PROJECT

LIGHTING SYMBOLS

	FLUORESCENT, SURFACE OR RECESSED LIGHT FIXTURE AND OUTLET BOX, NORMAL
	FLUORESCENT, SURFACE OR RECESSED LIGHT FIXTURE AND OUTLET BOX, CRITICAL
	WALL MOUNTED LIGHT FIXTURE AND OUTLET BOX, NORMAL
	WALL MOUNTED LIGHT FIXTURE AND OUTLET BOX, CRITICAL
	FLUORESCENT STRIP, SURFACE, RECESSED OR SUSPENDED LIGHT FIXTURE, NORMAL
	FLUORESCENT STRIP, SURFACE, RECESSED OR SUSPENDED LIGHT FIXTURE, CRITICAL
	PENDANT LIGHT FIXTURES, NORMAL
	PENDANT LIGHT FIXTURES, CRITICAL
	LIGHTING TRACK WITH FIXTURES, LENGTH AS SHOWN ON PLANS
	EXIT SIGN, SINGLE FACE, CEILING OR WALL MOUNTED; ARROWS AND FACE AS SHOWN ON PLANS
	EXIT SIGN, DOUBLE-FACE, CEILING OR WALL MOUNTED; ARROWS AND FACE AS SHOWN ON PLANS
	WALL MOUNTED EXIT SIGN LOW LEVEL









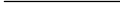
WIRING DEVICE KEYED NOTES

① THE FOLLOWING NOTATIONS MAY BE USED WITH ANY RECEPTACLE TYPE TO FURTHER DEFINE THE SYMBOL.

E	=	EMERGENCY BRANCH RECEPTACLE. PROVIDE RED DEVICE AND RED COVER PLATE IF PLASTIC. SEE SPECIFICATIONS
IG	=	ISOLATED GROUND RECEPTACLE
L	=	LOCKING
M	=	FOR MONITORING EQUIPMENT. COORDINATE MOUNTING HEIGHT WITH EQUIPMENT
T	=	TAMPER RESISTANT RECEPTACLE
WP	=	WEATHERPROOF. CORD CAN BE PLUGGED IN WITH COVER CLOSED

② WP = WEATHERPROOF DEVICE AND COVER

CONDUIT SYMBOLS

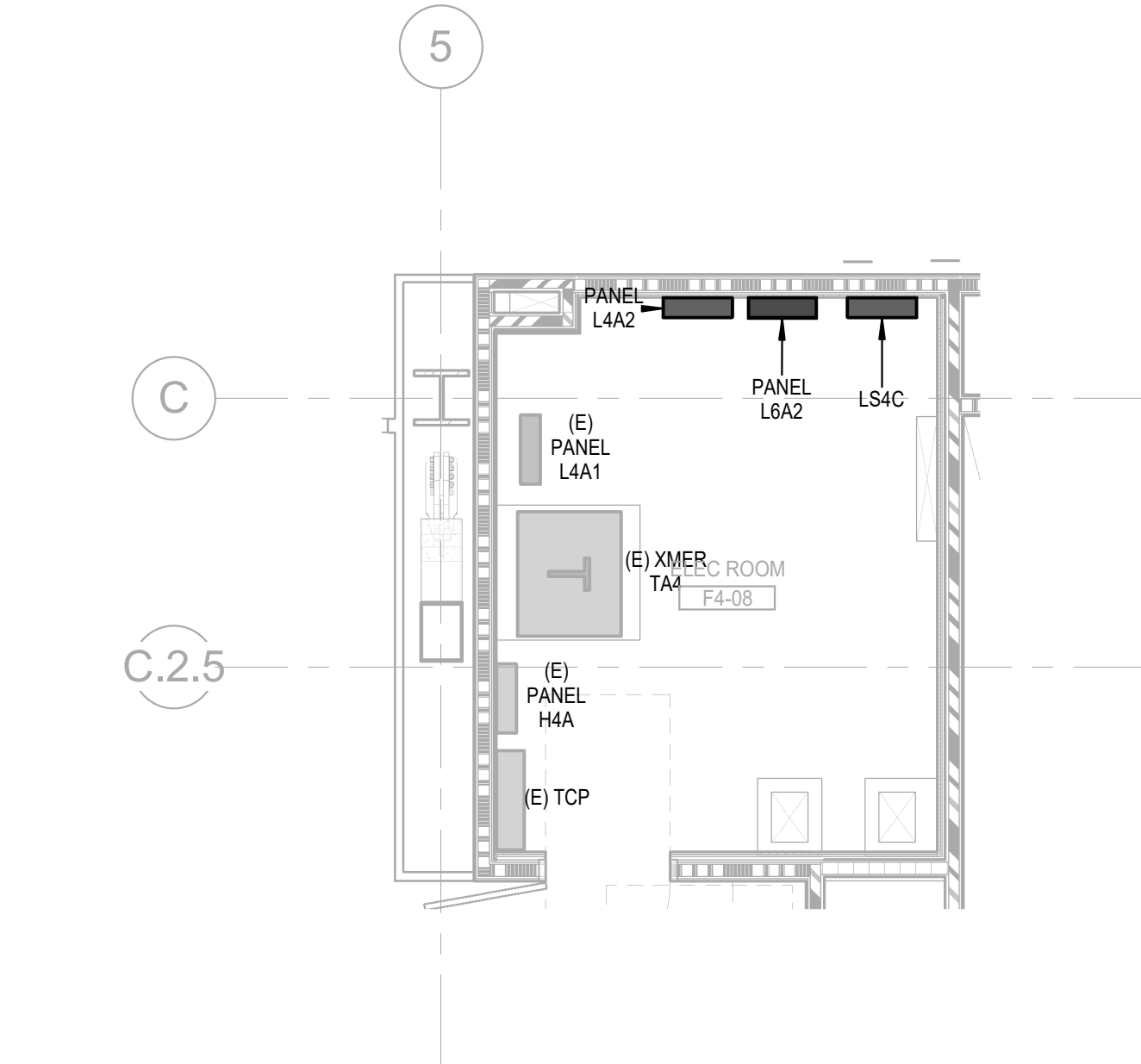
	CONDUIT INSTALLED CONCEALED ABOVE CEILINGS, IN WALLS IN FINISHED AREAS, OR EXPOSED IN UNFINISHED AREAS
	CONDUIT INSTALLED BELOW FINISHED FLOOR OR BELOW GRADE
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT STUBBED OUT WITH BUSHING
	CONDUIT STUBBED OUT AND CAPEED
	FLEXIBLE CONDUIT WITH SINGLE POINT OF CONNECTION AT ELECTRICAL EQUIPMENT
	GROUNDING CONDUIT
	CONDUIT HOOKUP RUN TO PANELBOARD, CABINET, OR TERMINAL BOARD INDICATED, AND TERMINATE CONDUCTORS TO CIRCUIT OVER CURRENT PROTECTIVE DEVICE

LUMINAIRE SCHEDULE									
	DESCRIPTION	LUMINAIRE LUMENS	LUMINAIRE WATTS	LAMP SOURCE	COLOR TEMP	DRIVER TYPE	VOLTS	MOUNTING	MANUFACTURER
	2X4 WITH ANGLED NARROW CENTER RAIL, IMPACT-RESISTANT FROSTED ACRYLIC .120" THICK LENS, AND EVEN ILLUMINATED FACE.	4626	35.1	LED	3500	0-10V		RECESSED	FINELITE HPRLED-EP-ANR-2X4-B-835- VOLT-SC-X

NOTES:

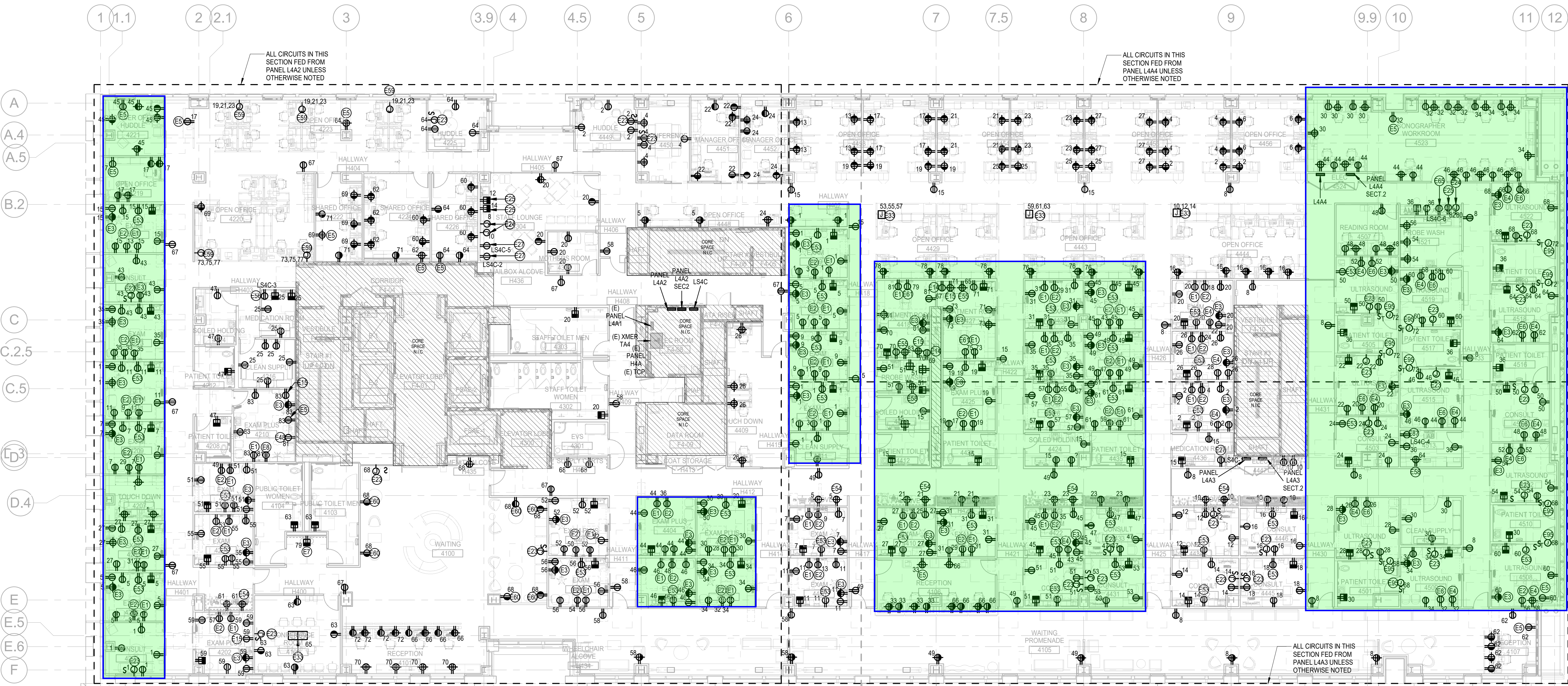
- 1 Continuous dimming and step dimming are chosen based on light source type per Title 24 130.1A. If continuous dimming is not necessary per lighting source, then LMWS-103 will be provided with 50% for step dimming.
- 2 Multizone is shown chosen due to typical rooms. For example, if there is a primary daylight zone and a non-daylighting zone, then these zones must be separated. Therefore, an open office will need separated zones.
- 3 There are no Title 24 requirements for manual on and auto on. There are only requirements for partial off and full off auto on.
- 4 Daylighting is not necessary when areas do not include skylights or glazing < 24 sq ft for skylight/daylighting and less than 120W. Luminaires in or at least 50% within daylighting zones must be controllable.
- 5 Dimming controls can be changed to have different time-of-day settings. Typical controls are added in this section.
- 6 Scene control is not necessary per Title 24 as long as dimming provided is per lighting source standards. Scene control can be checked off by end user if needed.
- 7 Controlled plug load must be within 6 ft of uncontrolled receptacle where controlled plug loads are needed.

E000-1



2
E204
LEVEL 04 - POWER PLAN - ELEC ROOM
1/4" = 1'-0"

DEMO & REMOVE ALL DEVICES SHOWN WITHIN THE GREEN HIGHLIGHTED AREAS. REPLACE WITH ALL NEW DEVICES AND ALL NEW IN-WALL MATERIALS.



1
E204
LEVEL 04 - POWER PLAN
3/32" = 1'-0"

KEY NOTES	
E1	DIAGNOSTIC SET, 120V 60W.
E2	EXAM TABLE, 120V 12.5A.
E3	COMPUTER AND MONITOR EQUIPMENT, 120V 612W.
E4	ULTRASOUND EQUIPMENT AND GEL WARMER, 120V 5A.
E5	PRINTER, 120V 5.4A.
E6	ULTRASOUND IMAGING TABLE, 120V 6.7A.
E7	BOTTLE FILLING STATION, 120V 1A.
E8	TREATMENT CHAIR, 120V 5.8A.
E14	ELECTROSURGICAL UNIT, 120V 11.2A.
E15	COLESCOPE, SUCTION ASPIRATOR, AND GEL WARMER, 120V 5.2A.
E24	COFFEE MAKER, 120V 26A.
E25	MICROWAVE OVEN, 120V 13.7A.
E27	REFRIGERATOR, 120V 15A.
E33	POKE THRU DEVICE WITH (2) QUADS. SEE DETAIL 3/E800.
E48	URODYNAMIC SYSTEM.
E53	SCALE, 120V 60W.
E54	STND EQ MON, 120V 60W.
E55	CART PROCEDURE ENDOSCOPY, 120V, 8.7A.
E56	UNDER CABINET REFRIGERATOR, 120V 4.1A.
E58	WASHER/DISINFECTOR, TRANSDUCER, 120V 5A.
E60	FOR CONNECTION TO ELECTRIFIED PARTITION. USE 3 CIRCUITS I.E. (3) HOT, (3) NEUTRAL, AND (2) GROUND.
E61	TREATMENT ROOM EXAM TABLE, 120V 12A.
E65	SMALL REFRIGERATOR, 120V, 1A.
E87	UNDERCOUNTER REFRIGERATOR, 120V 4.1A.
E95	DOOR ELECTRIC LOCK AND OVERRIDE SWITCH.

GENERAL NOTES - ELECTRICAL	
A.	FURNITURE FEED NOTES: 1. COLUMN, WALL OR FLOOR MOUNTED JUNCTION BOXES NOTED SHALL FEED POWER TO SYSTEMS FURNITURE. FIELD DETERMINE EXACT LOCATION OF BOX W/ FURNITURE SUBMITTAL AND SUPPLIER. INSTALL AND CONNECT POWER WHIP PROVIDED WITH FURNITURE. PROVIDE CIRCUITS AS SHOWN NEXT TO JUNCTION BOX SYMBOL. COORDINATE LOCATION WITH TEL/DATA BOX. PREWIRED MODULAR FURNITURE HAS PROVISIONS FOR (4) CIRCUITS. (3) GENERAL, (1) DEDICATED. WHERE TWO CIRCUITS ARE SHOWN, CONNECT ONE TO THE FURNITURE DEDICATED CIRCUIT AND THE OTHER TO ALL THREE GENERAL CIRCUITS. WHERE THREE CIRCUITS ARE SHOWN, CONNECT ONE TO THE FURNITURE DEDICATED CIRCUIT, ONE TO TWO GENERAL CIRCUITS AND ONE TO THE LAST GENERAL CIRCUIT. WHERE FOUR CIRCUITS ARE SHOWN, CONNECT ONE TO EACH FURNITURE CIRCUIT.
B.	CIRCUITING NOTES: IN GENERAL, CIRCUITING IS TO BE ACCOMPLISHED AS FOLLOWS: 1. POWER SYSTEMS: THE DRAWINGS ARE CLEARLY MARKED AS TO WHICH PANEL IS TO FEED EACH AREA. EACH OUTLET HAS THE CIRCUIT TO WHICH IT IS TO BE CONNECTED SHOWN NEXT TO THE OUTLET. 'E' INDICATES EMERGENCY PANEL. THE CONTRACTOR IS TO CONNECT THE DEVICES TOGETHER USING EMT AND/OR RIGID STEEL CONDUIT AND HFCMG AND HFCAC ROUTED IN WALLS, ABOVE DROPPED CEILINGS OR BELOW THE SLAB. THE CODE REQUIRED DERATING FACTORS SHALL BE APPLIED TO THE CONDUCTORS AS REQUIRED. 2. LIGHTING SYSTEMS: THE DRAWINGS ARE CLERLY MARKED AS TO WHICH PANEL IS TO FEED EACH AREA. EACH FIXTURE HAS THE CIRCUIT TO WHICH IS TO BE CONNECTED SHOWN NEXT TO THE FIXTURE. EMERGENCY/EGRESS LIGHTING HAS BEEN SHOWN AS A HARDWIRED SYSTEM BUT THE CONTRACTOR MAY SUBMIT USING A MANUFACTURED WIRING SYSTEM ONLY. HOSPITAL GRADE STEEL AC (HFC-80) WILL BE ACCEPTED PROVIDED IT MEETS ALL APPLICABLE CODES AND REQUIREMENTS. NOTE THAT CONTRACTOR MAY USE FLEXIBLE MANUFACTURED WIRING SYSTEMS FOR LIGHTING ABOVE ACCESSIBLE CEILINGS ONLY. CONDUIT SHALL BE USED FOR ALL INACCESSIBLE CEILINGS ONLY. CONDUIT SHALL BE USED FOR ALL INACCESSIBLE SPACES, OPEN STRUCTURE CEILINGS, SWITCH RUNS IN WALLS AND SYSTEMS RUN ABOVE HARD CEILINGS. 3. CONTRACTOR IS RESPONSIBLE FOR PROVIDING RACEWAY BOXES AND CONDUCTORS FOR ALL LIGHTING POWER, SIGNAL AND CONTROL SYSTEMS BEING PROVIDED IN THE PROJECT.

STRUCTURAL ENGINEER

MECHANICAL/ELECTRICAL/
PLUMBING ENGINEER

FIRE LIFE SAFETY CONSULTANT

EQUIPMENT CONSULTANT

LEVEL 4

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A QUALIFIED LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF

NAME:
DATE:
REGISTRATION NUMBER:
ELECTRICAL

NO.	DESCRIPTION	DATE
1	PERMIT SET	8/15/17
2	IFCP	11/1/17
3	IFC	11/22/17

ISSUANCE HISTORY - THIS SHEET
HGA NO: 2085-167-00

ELECTRICAL
POWER - LEVEL 4

DATE: November 22, 2017

E204