	LIGHTING	
	2'x4' LED LIGHT FIXTURE, CEILING MOUNTED.	f
	2'x4' LED LIGHT FIXTURE, CEILING MOUNTED, CONNECTED TO EMERGENCY SYSTEM BRANCH CIRCUIT.	f, k
	1'x4' LED LIGHT FIXTURE, CEILING MOUNTED.	f
	1'x4' LED LIGHT FIXTURE, CEILING MOUNTED, CONNECTED TO EMERGENCY SYSTEM BRANCH CIRCUIT.	f, k
	1'x4' LED LIGHT FIXTURE, WALL MOUNTED.	f
	1'x4' LED LIGHT FIXTURE, WALL MOUNTED, CONNECTED TO EMERGENCY SYSTEM BRANCH CIRCUIT.	f, k
	LED STRIP LIGHT FIXTURE, SUSPENDED.	f
	LED STRIP LIGHT FIXTURE, SUSPENDED, CONNECTED TO EMERGENCY SYSTEM BRANCH CIRCUIT.	f, k
0	DOWNLIGHT FIXTURE WITH CEILING OUTLET BOX.	f
ø	DOWNLIGHT FIXTURE WITH CEILING OUTLET BOX, SURFACE MOUNTED, CONNECTED TO EMERGENCY SYSTEM BRANCH CIRCUIT.	f, k
<u>``</u>	EXIT SIGN LIGHT FIXTURE WITH CEILING OUTLET BOX AND EMERGENCY BATTERY. SHADING INDICATES NUMBER OF FACES AND ORIENTATION, ARROWS. CONNECT TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHES (OR TO LOCAL EMERGENCY LIGHTING CIRCUIT WHEN AVAILABLE)	f
\$ _M	OUTLET BOX WITH 20 AMP, 1 POLE, MANUAL MOTOR CONTROLLER WITHOUT OVERLOADS (MSS). RATED 1 HP @ 120V; REFER TO EQUIPMENT FEEDER SCHEDULE.	f
\$ _{VS}	SINGLE POLE VACANCY SENSOR SWITCH WITH WALL OUTLET BOX. DUAL TECHNOLOGY WITH PASSIVE INFRARED/MICROPHONIC SENSING. MANUFACTURED BY SENSOR SWITCH MODEL #WSX PDT SA - OR APPROVED EQUAL. LOAD RATING 800W @120V	b, f
\$ _a	LOW VOLTAGE WALLPAD, WITH WALL OUTLET BOX. BY ACUITY CONTROLS, NLIGHT-PODM SERIES. FUNCTION AND NUMBER OF CHANNELS AS NOTED ON PLANS. CONNECTS TO NLIGHT LIGHTING CONTROL SYSTEM VIA CAT 5 CABLE. ("a" INDICATES SWITCH-LEG)	b, f
DS	LOW VOLTAGE OCCUPANCY SENSOR SWITCH, CEILING MOUNTED. DUAL TECHNOLOGY WITH PASSIVE INFRARED/MICROPHONIC SENSING. BY ACUITY CONTROLS nLIGHT #NCM PDT 10 U.O.N. CONNECTS WITH NLIGHT LIGHTING CONTROL SYSTEM VIA CAT 5 CABLE.	
DS	LOW VOLTAGE COMBINATION DAYLIGHT/OCCUPANCY SENSOR SWITCH, CEILING MOUNTED. DUAL TECHNOLOGY WITH PASSIVE INFRARED/MICROPHONIC AND DAYLIGHT. BY ACUITY CONTROLS nLIGHT #NCM PDT 10 ADCX, U.O.N. CONNECTS WITH nLIGHT LIGHTING CONTROL SYSTEM VIA CAT 5 CABLE.	
PC	PHOTOCELL (MATCH COIL VOLTAGE AS REQUIRED)	
	POWER	
Φ	DUPLEX RECEPTACLE, 20 AMP, WITH FLUSH WALL OUTLET BOX.	a, f
Φc	DUPLEX RECEPTACLE CONNECTED TO ACUITY CONTROLS SWITCHING PACK nPP16,	a f

	TOWER	
φ	DUPLEX RECEPTACLE, 20 AMP, WITH FLUSH WALL OUTLET BOX.	a, f
фс	DUPLEX RECEPTACLE CONNECTED TO ACUITY CONTROLS SWITCHING PACK nPP16, 20 AMP, WITH FLUSH WALL OUTLET BOX.	a, f
Фтν	DUPLEX RECEPTACLE, 20 AMP, WITH FLUSH WALL OUTLET BOX.	a, n
#	DOUBLE DUPLEX RECEPTACLE, 20 AMPS EACH, WITH TWO-GANG FLUSH WALL OUTLET BOX.	a, f
фG	GFI DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER BACKSPLASH, 20 AMP, WITH FLUSH WALL OUTLET BOX.	f
₽wpg	WEATHERPROOF GFI DUPLEX RECEPTACLE, 20 AMP, WITH FLUSH WALL OUTLET BOX AND WEATHERPROOF IN-USE COVER.	a, f
₽ewc	GFI DUPLEX RECEPTACLE, 20 AMP, WITH WALL OUTLET BOX FOR ELECTRIC WATER COOLER. COORDINATE CONCEALMENT WITH EWC INSTALLER FOR MOUNTING REQUIREMENTS.	f
$\mathbf{\Phi}\mathbf{\Phi}\mathbf{\Lambda}$	CAST IRON FULLY ADJUSTABLE THREE-GANG FLOOR OUTLET BOX WITH (2) 20 AMP DUPLEX RECEPTACLES AND (1) TELECOMMUNICATIONS BLANK OUTLET WITH (1) 1"C. TO TTB/TTC (UNLESS OTHERWISE NOTED). PROVIDE CARPET OR TILE FLANGE. (PROVIDE SPECIAL RECEPTACLES, I.E. ISOLATED GROUND TYPE WHERE NOTED)	d, f
	POWER FURNITURE BASE FEED WITH JUNCTION BOX. FLEX CONNECT TO FURNITURE SYSTEM WIREWAY. FIELD VERIFY EXACT CONNECTION POINT WITH FURNITURE VENDOR.	a, f
□) _{EPO}	FLUSH SHUNT-TRIP BUTTON, LOCATE AND LABEL INACCORDANCE WITH A.H.J., MOUNTED 54" TO TOP, UNLESS OTHERWISE NOTED.	f
	DISCONNECT SWITCH. REFER TO EQUIPMENT FEEDER SCHEDULE FOR REQUIREMENTS (I.E. SIZE, FUSED, NON-FUSED, ETC.)	h, j
\$\$	120/208V BRANCH CIRCUIT PANELBOARD, SURFACE MOUNTED	h, j
SPD	SURGE PROTECTION DEVICE	
	BRANCH CIRCUIT CONDUIT CONCEALED ABOVE CEILING OR IN WALL. MINIMUM TWO CONDUCTORS PLUS GROUND. REFER TO SPECIFICATIONS AND EQUIPMENT FEEDER SCHEDULE FOR CONDUCTOR REQUIREMENTS. ARROWS INDICATE CIRCUIT CONNECTIONS AND HOMERUNS TO PANEL AS INDICATED ON PLANS. TYPICAL FOR ALL RACEWAY TYPES, U.O.N.	
- = >	BRANCH CIRCUIT CONDUIT CONCEALED BELOW SLAB OR UNDERGROUND	
$\langle \ \rangle$		
<u> </u>	CONDUIT RUN UP	

CR	CARD ACCESS READER, FLUSH MOUNTED. WALL OUTLET BOX, FLUSH MOUNTED WITH BLANK PLATE. PROVIDE MINIMUM 1"C TO SECURITY TERMINAL CONDUIT	b
DL	ELECTRIC DOOR STRIKEWALL OUTLET BOX, FLUSH MOUNTED WITH BLANK PLATE. PROVIDE MINIMUM 1"C TO SECURITY TERMINAL CONDUIT	d
ML	MAGNETIC DOOR STRIKE WALL OUTLET BOX, FLUSH MOUNTED WITH BLANK PLATE. PROVIDE MINIMUM 1"C TO SECURITY TERMINAL CONDUIT	d
●RTE	"REQUEST-TO-EXIT" DOOR RELEASE SWITCH WALL OUTLET BOX, FLUSH MOUNTED WITH BLANK PLATE. PROVIDE MINIMUM 1"C TO SECURITY TERMINAL CONDUIT	b
DC	SECURITY DOOR CONTACT WALL OUTLET BOX, FLUSH MOUNTED WITH BLANK PLATE. PROVIDE MINIMUM 1"C TO SECURITY TERMINAL CONDUIT	d
MD	SECURITY MOTION DETECTOR. WALL OUTLET BOX, FLUSH MOUNTED WITH BLANK PLATE. PROVIDE MINIMUM 1"C TO SECURITY TERMINAL CONDUIT	d
SQTC	SECURITY TERMINAL CABINET. SURFACE MOUNTED, 28 INCH STRUCTURED MEDIA ENCLOSURE WITH HINGED LOCKABLE COVER.	n

V	COMBINATION TELEPHONE/DATA WALL OUTLET BOX, FLUSH MOUNTED WITH BLANK PLATE. PROVIDE (2) MINIMUM 1"C TO CEILING SPACE, U.O.N.	а
$\langle \mathbb{C} \rangle$	COMMUNICATION FURNITURE BASE FEED WITH 2-GANG JUNCTION BOX. PROVIDE (2) 1-1/4" EMPTY CONDUIT TO ABOVE ACCESSIBLE CEILING SPACE. FLEX CONNECT TO FURNITURE SYSTEM WIREWAY. FIELD VERIFY EXACT CONNECTION POINT WITH FURNITURE VENDOR.	а
∇AP	WIRELESS ACCESS POINT CEILING BOX, FLUSH MOUNTED WITH BLANK PLATE.	а
TTB	TELEPHONE TERMINATION BOARD (OR SYSTEMS TERMINAL BOARD AS NOTED). FIRE RETARDANT TREATED PLYWOOD, 3/4" THICK x 8'-0" HEIGHT x WIDTH AS SHOWN ON PLANS. PAINT TO MATCH WALL WITH (2) COATS OF FIRE RETARDANT PAINT.	
$\overline{\mathbf{V}}$	COMBINATION DATA AND TELEVISION OUTLET, FLUSH MOUNT, STUB INTO CEILING SPACE WITH (2) 1"C.	

	FIRE ALARM	
F	MANUAL FIRE ALARM PULL STATION.	b
×	FIRE ALARM HORN/STROBE COMBINATION DEVICE. (15/75 CANDELA, U.O.N.)	l, m
нД	FIRE ALARM STROBE. (15/75 CANDELA, U.O.N.)	l, m
2	SMOKE DETECTOR. CEILING SURFACE MOUNTED.	
()	DUCT MOUNTED SMOKE DETECTOR. (S = SUPPLY; R = RETURN)	
٤E	SMOKE DETECTOR FOR ELEVATOR RECALL. CEILING SURFACE MOUNTED.	
● _R	OUTPUT CONTROL RELAY	
● ^{AH} R	OUTPUT CONTROL RELAY "AIR HANDLING CONTROL"	
LB	FIRE DEPARTMENT LOCK BOX (KNOX BOX), WEATHER-PROOF. LOCATE PER AHJ.	
FACP	FIRE ALARM CONTROL PANEL	n
FATC	FIRE ALARM TERMINAL CABINET	n

SYMBOL LEGEND NOTES:

1.	THE COLOR OF ALL DEVICE
	STAINLESS STEEL, UNLESS
2.	SCREENED ELECTRICAL ITE
3.	"R" BY DEVICE DENOTES EX
4.	"H" BY DEVICE DENOTES DE
5.	ALL DIMENSIONS INDICATED
	DIMENSIONS USED UNLESS
	DRAWINGS AND IN THE SPE
	UNLESS INDICATED OTHER
	AND COORDINATE THE EXA
	DOCUMENTS AND DISCIPLIN
	KITCHEN EQUIPMENT, MILLV
6.	ALL SYMBOLS INDICATED IN
7.	ALL WIRING DEVICES SHALL
8.	SEE SPECIFICATIONS FOR A
9.	U.O.N. = UNLESS OTHERWIS
10.	A.H.J. = AUTHORITY HAVING
11.	A.F.F. = ABOVE FINISHED FL
12.	ELECTRICAL CONTRACTOR

REMARKS:

- a. MOUNTED 16" ABOVE FINISHED FLOOR TO THE BOTTOM. b. MOUNTED 44" ABOVE FINISHED FLOOR TO THE BOTTOM. c. MOUNTED 50" ABOVE FINISHED FLOOR TO THE BOTTOM. EXTERIOR APPLICATIONS.
- SURFACE PLATE FOR OUTLET APPLICATION.
- I. MOUNTED 80" ABOVE FINISHED FLOOR TO BOTTOM.

SECURITY AND ACCESS CONTROL

COMMUNICATION AND DATA

ES SHALL BE SELECTED BY THE ARCHITECT. COVER PLATES SHALL BE #302 SMOOTH S OTHERWISE NOTED. EM DENOTES EXISTING.

KISTING TO BE REMOVED COMPLETELY.

EVICE TO BE MOUNTED HORIZONTALLY.

ED ARE TO THE BOTTOM OF FIXTURE, OUTLET, OR EQUIPMENT AND SHALL BE THE SINDICATED OTHERWISE ON THE DRAWINGS. DIMENSIONS INDICATED ON THE ECIFICATIONS ARE TO THE BOTTOM OF THE FIXTURE, OUTLET, OR EQUIPMENT WISE. ALL MOUNTING HEIGHTS SHALL COMPLY WITH ADA REQUIREMENTS. VERIFY ACT HEIGHT AND LOCATION OF ALL FIXTURES, OUTLETS, AND EQUIPMENT WITH ALL NES (I.E., ARCHITECTURAL, STRUCTURAL, HVAC, PLUMBING, FIRE PROTECTION, WORK, ETC.) PRIOR TO ROUGH-IN; ADJUST TO MEET ALL REQUIREMENTS. N THIS LEGEND MAY NOT BE USED ON THE PLANS. L BE PROVIDED WITH A GROUNDING TERMINAL SCREW.

ADDITIONAL REQUIREMENTS.

SE NOTED. G JURISDICTION.

OOR

TO PROVIDE PULL STRINGS IN ALL CONDUIT(S).

d. OUTLET BOX SHALL BE SIZED PER SYSTEM INSTALLERS REQUIREMENTS.

e. SUPPORT OUTLET BOX FROM STRUCTURE WITH (1) 3/8" ALL THREADS MINIMUM. BOXES LARGER THAN 25" SQUARE INCHES SHALL BE SUPPORTED WITH (2) 3/8" ALL THREADS MINIMUM.

JUNCTION/OUTLET BOX SHALL BE SIZED AS REQUIRED FOR CONDUCTOR/DEVICES FILL PER N.E.C. THREADED CONDUIT HUBS SHALL BE SIZED AND CONFIGURED AS REQUIRED FOR APPLICATION.

PROVIDE KINDORF MOUNTING RACK FOR FREE STANDING APPLICATIONS. KINDORF SHALL BE PAINTED FOR

WHEN SURFACE JUNCTION BOX SYMBOL IS COMBINED WITH DEVICE SYMBOL, PROVIDE APPROPRIATE

MAINTAIN WORKING CLEARANCES IN STRICT ACCORDANCE WITH N.E.C. COORDINATE EXACT LOCATION OF EQUIPMENT WITH ALL DISCIPLINES (I.E. ARCHITECTURAL, STRUCTURAL, HVAC, PLUMBING, FIRE PROTECTION, KITCHEN EQUIPMENT, MILLWORK, ETC.) PRIOR TO ROUGH-IN TO MAINTAIN CLEARANCES.

k. "NL" INDICATES FIXTURE CONNECTED AHEAD OF ALL SWITCHES FOR 24 HOUR NIGHTLIGHT OPERATION.

m. ALL STROBES SHALL BE ADJUSTABLE INTENSITY TYPE SET AT 75cd UNLESS OTHERWISE NOTED. n. MOUNTED 72" ABOVE FINISHED FLOOR TO THE TOP.

GENERAL NOTES:

- 1) ALL 120V, 20A CIRCUIT HOMERUNS OVER 50FT. SHALL BE #10 CU. MINIMUM, UNLESS NOTED OTHERWISE.
- 2) ALL 120V, 20A CIRCUIT HOMERUNS OVER 150FT. SHALL BE #8 CU. MINIMUM, UNLESS NOTED OTHERWISE.
- 3) ALL BRANCH CIRCUIT CONDUCTORS WILL BE SIZED PER NEC MINIMUM. THE MINIMUM ALLOWABLE BRANCH CIRCUIT CONDUCTOR SIZE IS #12 AWG COPPER. INCREASE CONDUCTOR SIZE FOR APPLICATION PER NEC AND AS NOTED ON THE PLANS.
- 4) CONDUCTOR SIZES INDICATED ON CIRCUIT HOMERUNS OR IN SCHEDULES SHALL BE INSTALLED OVER THE ENTIRE LENGTH OF THE CIRCUIT UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- 5) UP TO THREE PHASE CONDUCTORS, CORRESPONDING SWITCHLEGS AND NEUTRALS ARE ALLOWED IN THE SAME RACEWAY UNLESS INDICATED OTHERWISE ON THE DRAWINGS. DO NOT COMBINE HOMERUNS.
- 6) PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR IN ALL FEEDERS AND BRANCH CIRCUITS.
- CONNECT POLES SERVING MULTI-WIRE CIRCUITS. 8) COORDINATE EXACT LOCATION OF LIGHTING FIXTURES IN MECH. ROOMS/SPACES WITH DUCTWORK INSTALLER PRIOR TO ROUGH-IN. LOCATE
- BELOW DUCTWORK (8'-0" AFF MINIMUM) CENTERED IN ROOM AS MUCH AS POSSIBLE. 9) COORDINATE EXACT INSTALLATION REQUIREMENTS OF OUTLETS IN MILLWORK WITH ARCHITECTURAL DRAWINGS, APPROVED SHOP DRAWINGS AND
- MILLWORK INSTALLER PRIOR TO ROUGH-IN. 10) VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL INSTALLER PRIOR TO ROUGH-IN.
- 11) REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL LIGHT FIXTURES.
- 12) ALL EMPTY CONDUITS SHALL BE PROVIDED WITH PULL STRINGS IN THEM.
- 13) ALL COMPUTER RECEPTACLE CIRCUITS SHALL BE PROVIDED WITH A DEDICATED NEUTRAL FOR EACH PHASE CONDUCTOR.
- 14) COORDINATE THE REQUIRED SIZE OF ALL CIRCUIT BREAKERS FEEDING EQUIPMENT. (I.E. MOTORS, HVAC EQUIPMENT, SPECIAL PURPOSE OUTLETS, OWNER FURNISHED EQUIPMENT ETC.) WITH APPROVED EQUIPMENT SHOP DRAWINGS AND OWNER REPRESENTATIVES PRIOR TO ORDERING PANELBOARDS. BREAKERS SHALL BE SIZED PER THE NEC, THE EQUIPMENT NAME PLATE AND MANUFACTURERS RECOMMENDATIONS.
- 15) THE POWER COMPANY SHALL BE CONTACTED WITHIN 10 DAYS OF THE AWARD OF THE CONTRACT BY THE CONTRACTOR TO VERIFY THE ACTUAL AVAILABLE SHORT CIRCUIT FAULT CURRENT (SCC) AT THE TRANSFORMER SECONDARY BUSHINGS. THE CONTRACTOR SHALL PROVIDE ELECTRICAL DISTRIBUTION AND UTILIZATION EQUIPMENT AND PANELBOARDS WHICH HAVE AIC/WITHSTAND RATINGS GREATER THAN THE AVAILABLE SSC AT EACH POINT IN THE ELECTRICAL SYSTEM.
- 16) CONTRACTOR SHALL INCLUDE IN HIS BID THE TRANSPORT AND DISPOSAL OR RECYCLING OF ALL WASTE MATERIALS GENERATED BY THIS PROJECT IN ACCORDANCE WITH ALL RULES, REGULATIONS AND GUIDELINES APPLICABLE.
 - A) CONTRACTOR SHALL COMPLY FULLY WITH FLORIDA STATUTE 403.7186 REGARDING MERCURY CONTAINING DEVICES AND LAMPS.
 - B) LAMPS, BALLASTS AND OTHER MATERIALS SHALL BE TRANSPORTED AND DISPOSED OF IN ACCORDANCE WITH ALL DEP AND EPA GUIDELINES.
 - C) THE CONTRACTOR SHALL PROVIDE WRITTEN CERTIFICATION THAT ALL MATERIALS WHERE RECYCLED OR DISPOSED OF PROPERLY PER THE GUIDE LINE NOTED ABOVE.
- 17) EXISTING CONDITIONS AND UTILITIES INDICATED ARE TAKEN FROM EXISTING CONSTRUCTION DOCUMENTS, VARIOUS SURVEYS AND FIELD INVESTIGATIONS. IT IS TO BE UNDERSTOOD THAT UNFORESEEN CONDITIONS PROBABLY EXIST AND NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON THE DRAWINGS. COOPERATION WITH OTHER TRADES IN ROUTING AND/OR BURIAL DEPTHS AS DETERMINED DURING CONSTRUCTION AND AS DIRECTED BY THE ARCHITECT/ENGINEER MAY BE NECESSARY AND IT IS INTENDED THAT SUCH DEVIATIONS SHALL BE CONSIDERED A PART OF THIS CONTRACT. IT IS ALSO UNDERSTOOD THAT THE PLANS ARE NOT COMPLETELY TO SCALE. THIS CONTRACTOR IS TO FIELD VERIFY DIMENSIONS OF ALL SITE UTILITIES, ETC., PRIOR TO BID AND INCLUDE ANY DEVIATIONS IN THE CONTRACT.
- 18) LOCATE ALL EXISTING UTILITIES AND PROTECT THEM FROM DAMAGE.
- 19) ALL CONDUIT TO BE CONCEALED UNLESS IMPOSSIBLE DUE TO EXISTING CONDITIONS (I.E. EXPOSED STRUCTURAL CEILINGS, BUILDING EXTERIOR WALLS). CONCEAL ALL CONDUITS ABOVE CEILINGS OR WITHIN WALLS AND COUNTERS. A) ALL NEW DEVICES TO BE FLUSH MOUNTED UNLESS SPECIFICALLY NOTED OTHERWISE. B) INSTALL FLEXIBLE CONDUIT DOWN EXISTING WALLS TO NEW FLUSH OUTLETS. (IF EXISTING WALLS DO NOT CONTAIN HOLLOW VERTICAL CAVITIES AND IT IS NOT FEASIBLE TO CONCEAL THE CONDUIT THEN EXPOSED WIREMOLD PAINTED TO MATCH THE WALL SHALL BE USED).
- 20) EXISTING ELECTRICAL SERVICE: MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR SERVICE. DISABLE SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER AT LEAST 24 HOURS BEFORE PARTIALLY OR COMPLETELY DISABLING SYSTEM. MINIMIZE OUTAGE DURATION.
- 21) PANELBOARDS: CLEAN EXPOSED SURFACES AND CHECK TIGHTNESS OF ELECTRICAL CONNECTIONS. REPLACE DAMAGED CIRCUIT BREAKERS AND PROVIDE CLOSURE PLATES FOR VACANT POSITIONS. PROVIDE TYPED CIRCUIT DIRECTORY SHOWING REVISED CIRCUITING ARRANGEMENT.

			LIGHTING FIXTURE S	CHEDU	LE				
TYPE	DESCRIPTION	MANUFACTURER	MODEL	MOUNTING	VOLTS	INPUT WATTS	SOURCE	DIMMING	COMMENTS
LS	LINEAR DIRECT-INDIRECT SUSPENDED FIXTURE	BIRCHWOODHL-LE	D-475-HLO-SLO-35-X-CRX-SC-FW-FW-XXX-D1-CSS->	X-2016PENDED	120	72	LED, 3500K	0-10V	DUAL CIRCUIT WIRING
М	ELEVATOR PIT LIGHT	BEGHELLI	BS100LED-4-HT-MO-WT40-120-277V-SM	SURFACE	120	60	LED, 4000K		WIRED TO INVERTER
PC	DECORATIVE PENDANT	DELRAY	6724-S-W35-CR-D	SUSPENDED	120	93	LED, 3500K	0-10V	REMOTE DRIVER NO SUBSTITUTION
PH	SUSPENDED LED HIGH BAY FIXTURE	BEGHELLI	BS730LED-WT35-WBD-16ACT-AC-120-277V	SUSPENDED	120	35	LED, 3500K	0-10V	
R1	RECESSED 4" DOWNLIGHT	LIGHOLIER	4R-N / Z4RDL-XX-835-W-O-CD-Z10-U	RECESSED	120	20	LED, 3500K	0-10V	
R2	2X4 RECESSED PERFORMANCE FULL LENSE	DAY-BRITE	2-CA-G-40B-835-4-DS-UNV-DIM-DSC	RECESSED	120	34	LED, 3500K	0-10V	
RD	SEMI-RECESSED DECO DOWNLIGHT	DELRAY	KLS31-2-W35-D-XXX	RECESSED	120	22	LED, 3500K		NO SUBSTITUTIONS
S2	2' SURFACE LENSED STRIP LIGHT	DAY-BRITE	FSS-2-20L-835-UNV-DIM	WALL	120	34	LED, 45W, 3500K		
S4	4' SURFACE LENSED STRIP LIGHT	DAY-BRITE	FSS-4-55L-835-UNV-DIM-FSTH	SUSPENDED	120	34	LED, 45W, 3500K		
SG	4' LENSED STRIP LIGHT WITH WIRE GUARD	DAY-BRITE	FSS-4-55L-835-UNV-DIM-FSSWG4	WALL	120	34	LED, 45W, 3500K		
WL	WALL MOUNT UP/DOWN 4'	FINELITE	HP-4 WM ID-4'-S-S-835-TG-F-120V-MB-FE-XX	WALL	120	65.6	LED, 3500K		
			EXTERIOR LIGHTNG			1			
EC	SURFACE SHALLOW WET CYLINDER	MP	L600-13-W35-S-X-S-XXXV-MA-INTDVR	SURFACE	120	7.5	LED, 4000K	N/A	INTEGRAL DRIVER, 4.75" MAX HT
ED	RECESSED ADJUSTABLE WET DOWNLIGHT	WILLIAMS	4AR-LXX-8-40-DIM-UNV- / L-X-OF-CS-WET/CC	RECESSED	120	49	LED, 4000K	N/A	
EP	EXTERIOR SITE FIXTURE	GARDCO	ECF-L-80-1A-NW-SF-3-UNV-BL-OMRP-BK	POLE	120	265	LED		
ES	EXTERIOR WALL SCONCE UP/DOWN/FRONT	LUMCA	LU-WP-A40K-B40K-C40KLXX-00-XX-BK-SGP10	SURFACE	120	38.5	LED, 4000K	N/A	
ES1	EXTERIOR RECESSED EGRESS	B-K	B-SS-LED-E102-AX-WHP-B-UPMRM	RECESSED WALL	120	5	LED		REMOTE DRIVER NO SUBSTITUTIONS
EW	EXTERIOR LED WALL LIGHT FIXTURE	TGS	WPF-70W-40K-U-120-277VAC-D	SURFACE	120	70	LED, 4000K	N/A	
			EMERGENCY LIGHTING						
XE	UNIVERSAL EXIT SIGN WITH BATTERY	BEGHELLI	VA-4-SA	SURFACE	120	3.2	LED	N/A	

LIGHTING SCHEDULE NOTES:

THE SPECIFIED FIXTURES HAVE BEEN SELECTED BASED ON PHOTOMETRIC PERFORMANCE, ELECTRICAL CHARACTERISTICS, VISUAL COMFORT AND AESTHETIC INTERPRETATION AND AS SUCH ANY CONTRACTOR WISHING TO PROPOSE ALTERNATE FIXTURES MUST SUBMIT SUCH REQUEST, IN WRITING, FIFTEEN (15) WORK DAYS PRIOR TO BID. THE REQUEST SHALL INCLUDE TWO COMPLETE SETS OF COLOR CATALOG CUT SHEETS OF ALL FIXTURES FOR REVIEW. IN MANY CASES, SAMPLES WILL BE REQUIRED. APPROVALS SHALL ONLY BE ISSUED BY THE ARCHITECT IN THE FORM OF AN ADDENDUM TO THE BID DOCUMENTS. IF ANY VALUE ENGINEERING IS REQUIRED AFTER THE BIDDING PROCESS, ANY AND ALL CHANGES IN FIXTURE MODELS WILL BE PROVIDED SOLEY BY THE ARCHITECT AS A VARIATION TO THE ORIGINAL SPECIFICATIONS.

7) COMPLY WITH ARTICLE 210 OF THE NEC. PROVIDE A DEDICATED NEUTRAL FOR ALL 120V AND 277V CIRCUITS OR PROVIDE C.B. HANDLE TIES TO

O N 3 $\overline{}$ B Ш



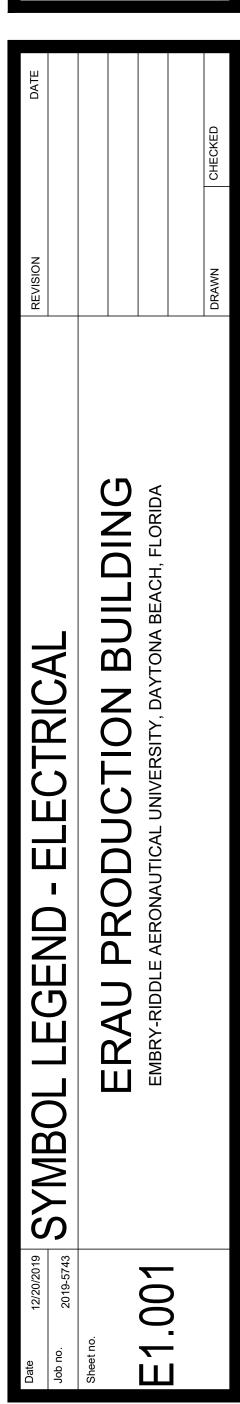
HOUSEMAN

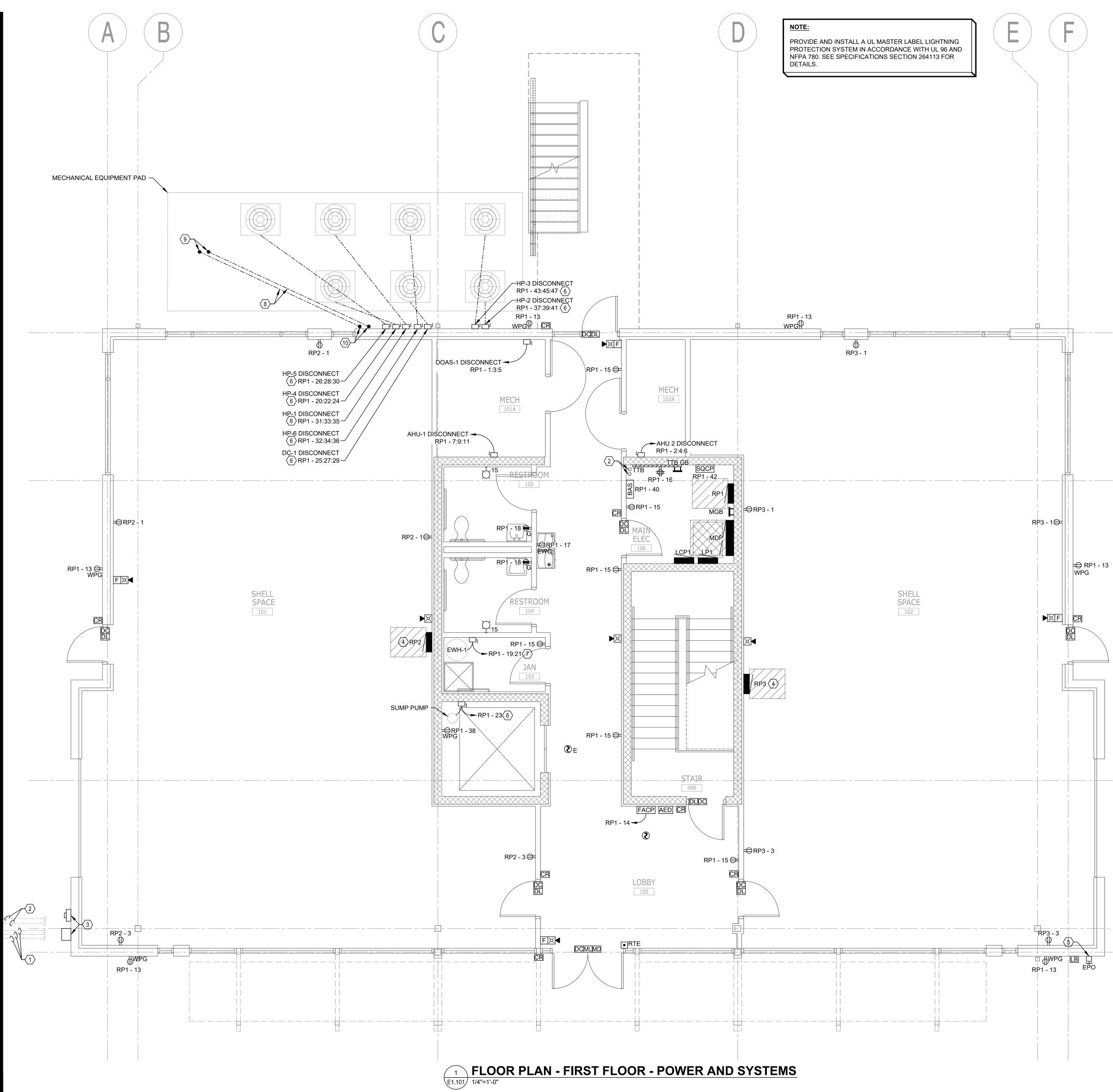
ARCHITECTURE

L IDEAS, DESIGNS, AND DETAILS REPRESENTED BY RAWING ARE OWNED BY AND THE PROPER IOUSEMAN ARCHITECTURE, LLC. AND WERE CF VOLVED, AND DEVELOPED FOR USE ON AND IN CONN VITH THE SPECIFIED PROJECT. NONE OF THE ESIGNS. OR DETAILS SHALL BE USED BY OR DISCLO ESIGNS. OR DETAILS SHALL BE USED BY OR DISCLO

NYONE FOR ANY PURPOSE WHATSOEVER WITHOUT

931 S. SEMORAN BLVD. #204B WINTER PARK, FL 32792 321-972-8446 AR0017645





- 1. SEE EQUIPMENT FEEDER SCHEDULE ON SHEET E1.401 FOR DISCONNECT SWITCH INFORMATION.
- 2. ALL EXTERIOR ELECTRICAL EQUIPMENT SHALL BE NEMA 3R RATED.

REFERENCE NOTES

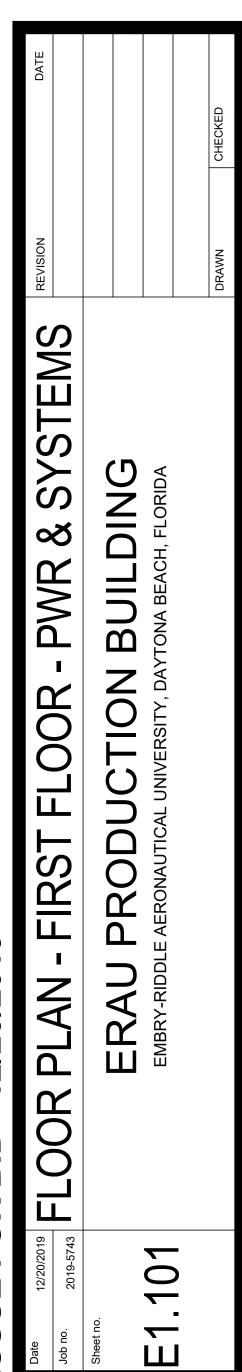
- (1) INTERCEPT AND REROUTE THREE 4 INCH EXISTING CONDUITS FROM THE UTILITY TRANSFORMER TO CT CABINET.
- 2 INTERCEPT AND REROUTE TWO 3 INCH EXISTING CONDUITS FROM THE COMMUNICATIONS PULL BOX TO THE TTB.
- $\langle 3 \rangle$ INSTALL CT CABINET AND METER BASE. SEE DETAIL 4 ON SHEET E1.501 FOR DETAILS.
- $\langle 4 \rangle$ INSTALL A 24 INCH X 6 INCH X 6 INCH NEMA 1 WIREWAY ABOVE THE PANEL USING THREE 3 INCH CONDUIT NIPPLES.
- $\langle 5 \rangle$ INSTALL PANEL MDP SHUNT TRIP. PROVIDE A PERMANENT PLAQUE IN ACCORDANCE WITH AHJ AND 225.37, NEC 2014 IDENTIFYING THE BUTTON AS "MAIN POWER SHUNT TRIP".
- $\overline{(6)}$ INSTALL 240VAC SAFETY SWITCH IN A NEMA 3R ENCLOSURE. SEE EQUIPMENT FEEDER SCHEDULE ON SHEET E1.401 FOR SWITCH RATINGS. ROUTE CONDUIT FROM SWITCH TO LOAD BELOW GRADE.
- $\langle 7 \rangle$ INSTALL 240VAC SAFETY SWITCH IN A NEMA 1 ENCLOSURE. SEE EQUIPMENT FEEDER SCHEDULE ON SHEET E1.401 FOR SWITCH RATINGS.
- (8) INSTALL SPARE 2 INCH PVC CONDUIT 24 INCHES BELOW GRAD FOR FUTURE USE.
- $\langle 9 \rangle$ STUB UP AND CAP CONDUIT FLUSH WITH EQUIPMENT PAD SURFACE.
- $\langle 10 \rangle$ STUB UP AND CAP CONDUIT 6 INCHES ABOVE GRADE.



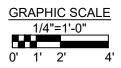
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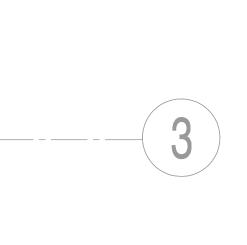


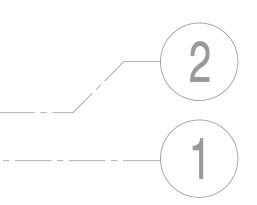


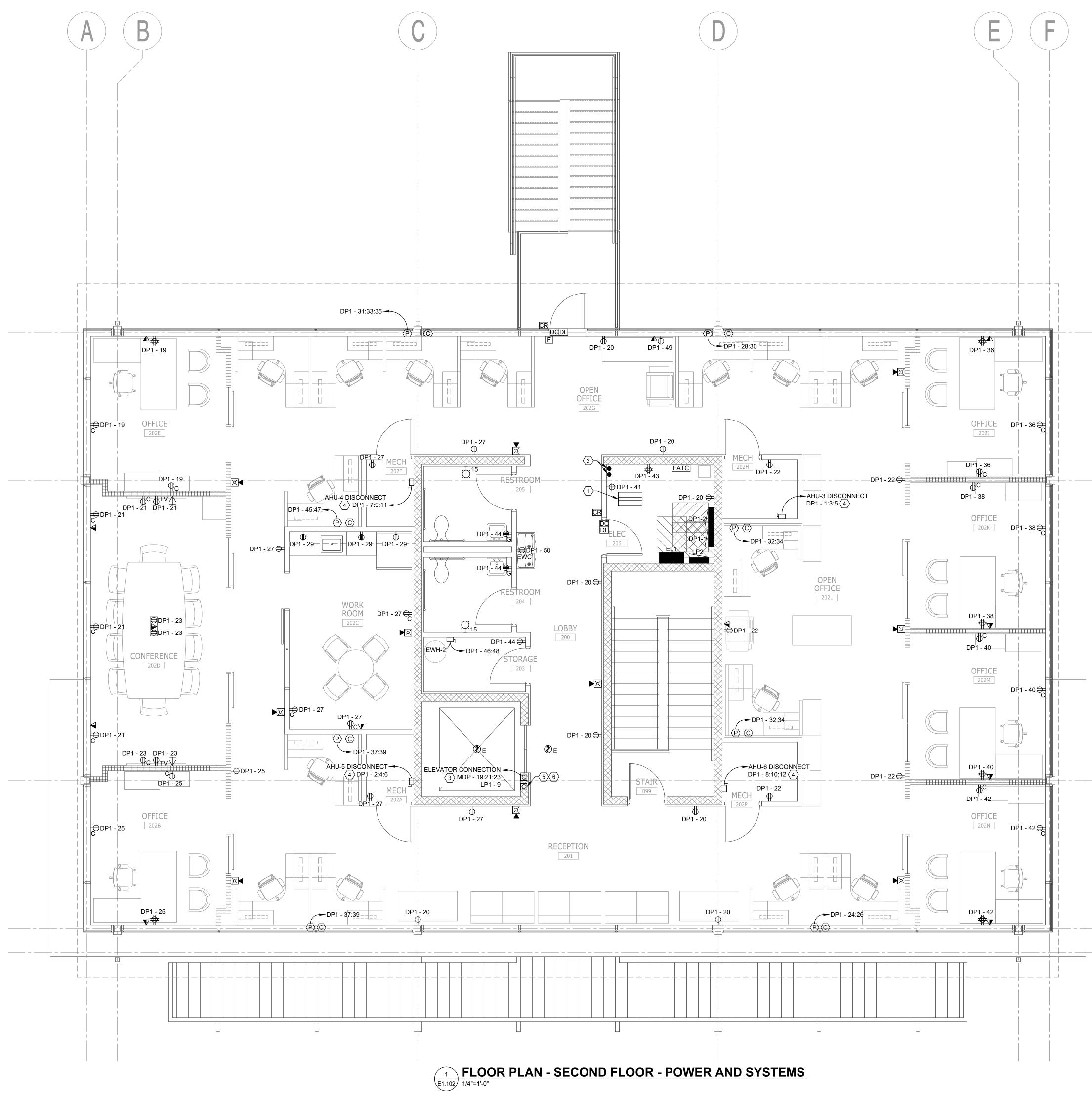


2/20/2019 BID OR S









- 1. SYSTEMS FURNITURE CONNECTION POINTS ARE APPROXIMATE, COORDINATE FINAL INSTALLATION WITH FURNITURE VENDOR PRIOR TO INSTALLATION.
- 2. COORDINATE FLOOR BOX LOCATIONS WITH APPROVED FURNITURE SHOP DRAWINGS.
- 3. CONFIGURE SYSTEMS FURNITURE WIRING SO NO LESS THAN 25% OF SYSTEMS FURNITURE OUTLETS SHALL BE CONTROLLED. SEE SHEET E1.403 FOR DETAILS.
- 4. SEE EQUIPMENT FEEDER SCHEDULE ON SHEET E1.401 FOR DISCONNECT SWITCH INFORMATION.

REFERENCE NOTES

- SPACE ALLOCATION FOR 42U TWO POST IT RACK. RACK TO BE PROVIDED AND INSTALLED BY OTHERS.
- $\langle 2 \rangle$ INSTALL TWO 4 INCH CONDUIT SLEEVES TO THE FIRST FLOOR ELECTRICAL ROOM.
- $\langle 3 \rangle$ CONNECT CONDUITS TO TOP OF ELEVATOR CONTROLLER PANEL LOCATED IN ELEVATOR ENTRANCE. COORDINATE WITH ELEVATOR CONTRACTOR FOR FINAL LOCATION OF CONNECTION POINTS.
- $\langle 4 \rangle$ INSTALL 240VAC SAFETY SWITCH IN A NEMA 1 ENCLOSURE. SEE EQUIPMENT FEEDER SCHEDULE ON SHEET E1.401 FOR SWITCH RATINGS.
- $\left< 5 \right>$ INSTALL 1 INCH CONDUIT FROM ELEVATOR CONTROLLER TO TTB IN ROOM 106 FOR ELEVATOR PHONE.
- (6) INSTALL 1 INCH CONDUIT FROM ELEVATOR CONTROLLER TO FACP.





Date 12/20/2019		REVISION	DATE
Job no. 2019-5			
Sheet no.			
	ERAU PRODUCTION BUILDING		
F1 100	S EMBRY-RIDDLE AERONAUTICAL UNIVERSITY, DAYTONA BEACH, FLORIDA		
		DRAWN	СНЕСКЕD

2/20/2019 BID FOR ISSUE

GRAPHIC SCALE 1/4"=1'-0" 0' 1' 2' 4'

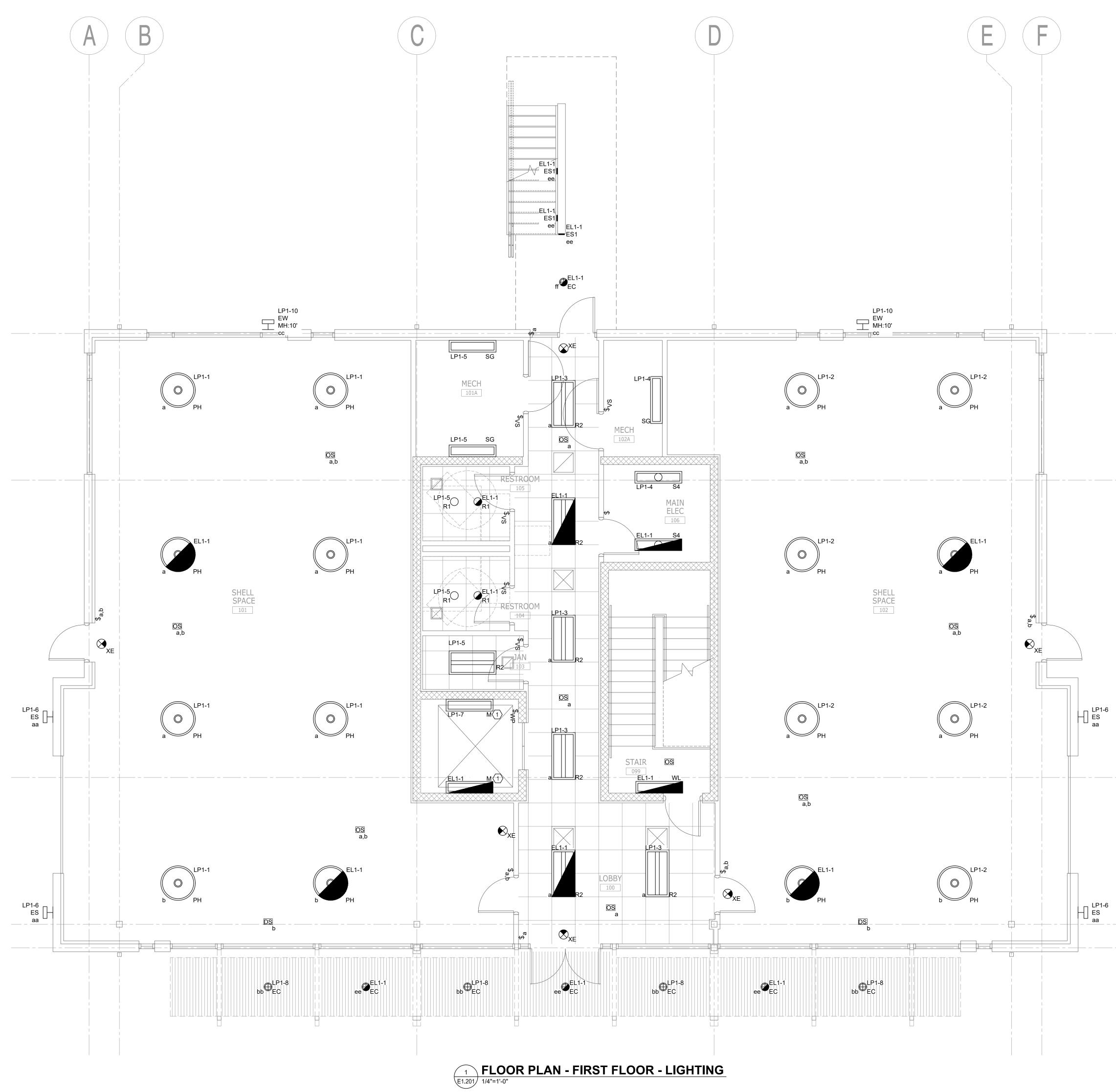




3

5





- 1. ALL 120VAC NORMAL POWER LIGHTING CIRCUITS ARE FED FROM PANEL LP1.
- 2. ALL 120VAC EMERGENCY/LIFE SAFETY LIGHTING CIRCUITS ARE FED FROM EM LIGHTING INVERTER PANEL EL1.
- 3. CONTRACTOR TO PROVIDE AND INSTALL ALL COMPONENTS AND CABLING NECESSARY FOR A COMPLETE AND FUNCTIONAL LIGHTING CONTROL SYSTEM. SEE LIGHTING CONTROL DIAGRAMS ON SHEET E1.403.

REFERENCE NOTES

5

3

 $\langle 1 \rangle$ INSTALL VAPOR-TIGHT FIXTURES IN ELEVATOR PIT

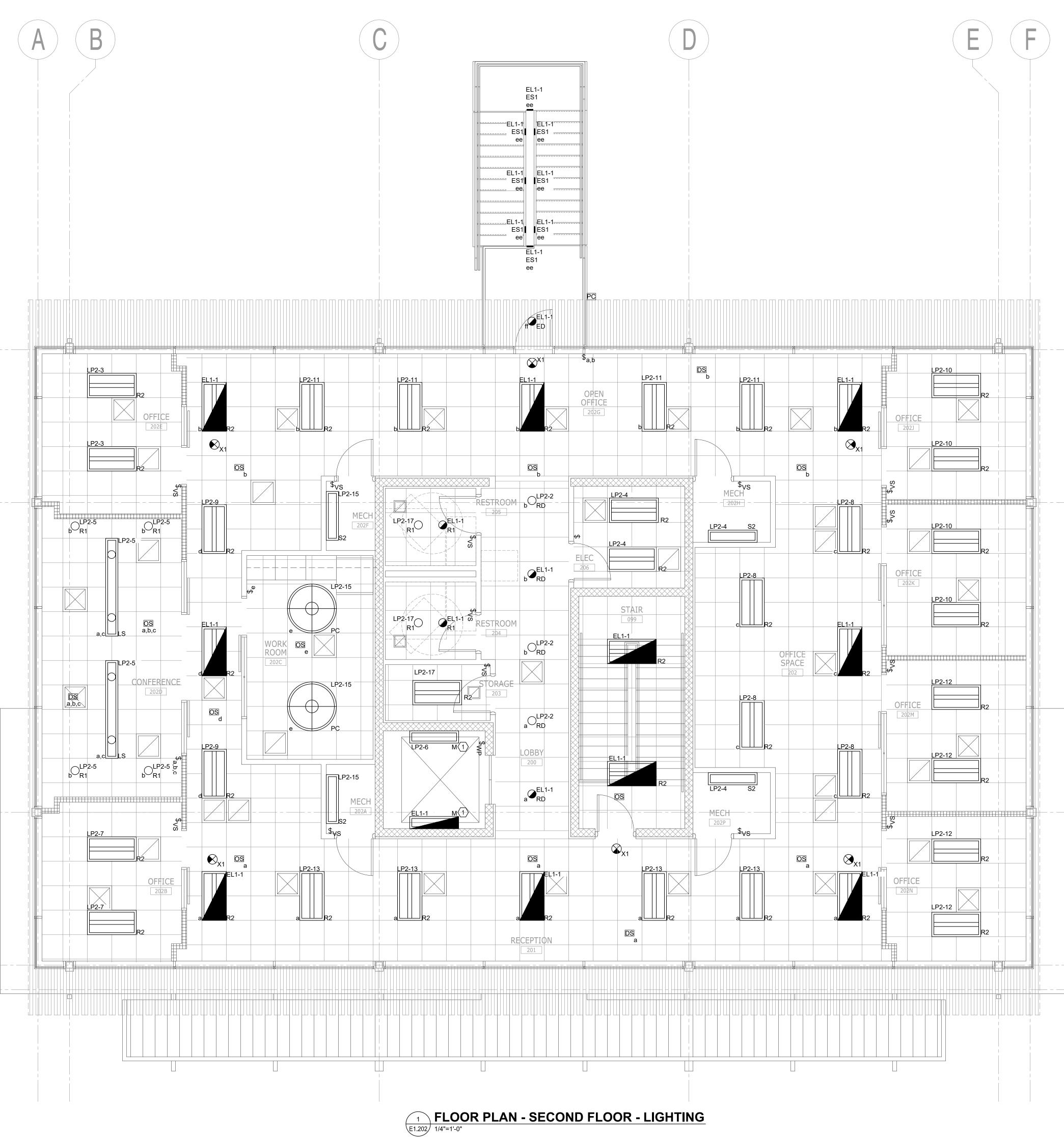




Date 12/2		REVISION	DATE
Job no. 201			
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	ERAU PRODUCTION BUILDING		
F1 20 7	O1 EMBRY-RIDDLE AERONAUTICAL UNIVERSITY, DAYTONA BEACH, FLORIDA		
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12/20/2019 FOR BID ISSUE

GRAPHIC SCALE 1/4"=1'-0" 0' 1' 2' 4'



- ALL 120VAC NORMAL POWER LIGHTING CIRCUITS ARE FED FROM PANEL LP2.
- 2. ALL 120VAC EMERGENCY/LIFE SAFETY LIGHTING CIRCUITS ARE FED FROM EM LIGHTING INVERTER PANEL EL1.
- 3. CONTRACTOR TO PROVIDE AND INSTALL ALL COMPONENTS AND CABLING NECESSARY FOR A COMPLETE AND FUNCTIONAL LIGHTING CONTROL SYSTEM. SEE LIGHTING CONTROL DIAGRAMS ON SHEET E1.403.

REFERENCE NOTES

(1) INSTALL VAPOR-TIGHT FIXTURES IN ELEVATOR HOISTWAY



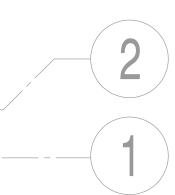


ISSUE FOR B	OR BID - 12/20/2019		
Date 12/20/2019 Job no. 2019-5743	FLOOR PLAN - SECOND FL - LIGHTING	REVISION	DATE
Sheet no.	ERAU PRODUCTION BUILDING EMBRY-RIDDLE AERONAUTICAL UNIVERSITY, DAYTONA BEACH, FLORIDA		
		DRAWN	CHECKED



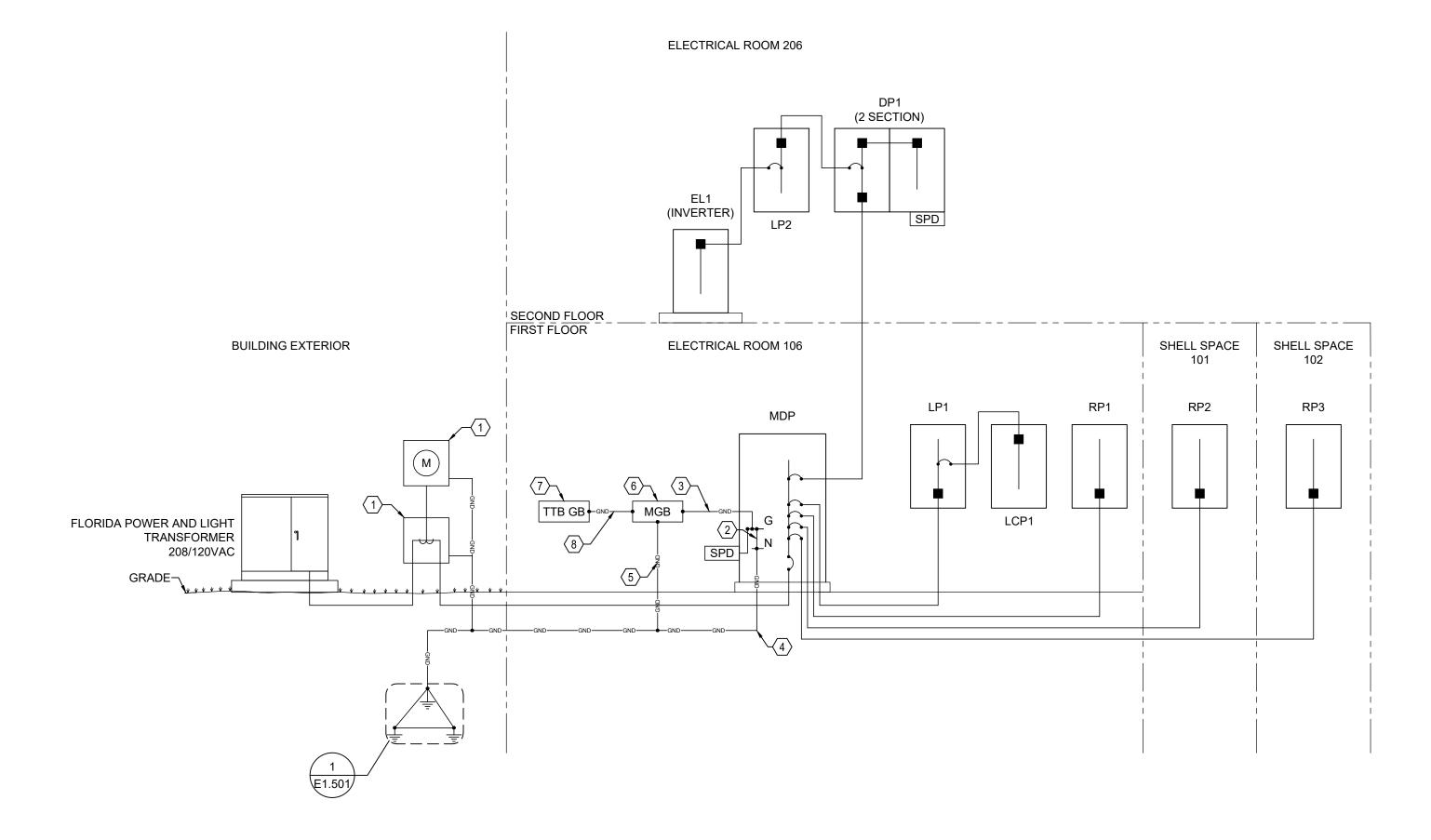






GRAPHIC SCALE 1/8"=1'-0" 0' 2' 4' 8'

JOB NUME	3ER: 19035										DATE:	10/18/19		JOB NUMBER	R: 19035													DAT	E: 12/
FEEDER	C	IRCUIT BREAKE	R	FEEDER	FEEDER	FEEDER				FEEDER				EQUIPMENT	VOLTS	PH NEUT	MOTOR	ADDITIC	NAL HE	ATER OR	MISC	TOTAL	PNL.	DISCONNEC	T VOLT	AGE WIRE	NEUT	GND #	CC
EDING	AMP SIZE	VOLTS	PHASE	CAPACITY	LENGTH	VOLT DROP	PARALLEL	PHASE	NEUTRAL	GROUND	ISOLATED	COPPER/	CONDUIT	DESCRIPTION		Y	(LARGEST) MOTOR	s LIC	GHTING LOAD	AMPS	AMPS	C.B.	SIZE F	FUSE DR	OP PER	WIRE	WIRE O	-
						%	RUNS	WIRE	WIRE	WIRE	GROUND	ALUMINUM	SIZE			OR	H.P.	FLA H.P.	FLA	KW AMP	PS		SIZE	AMPS	SIZE	PHASE	:	RUI	٩S
																N							AMPS	A	AMPS				
	800	208	3	840	265	1.77	2	#600	#600	N/A	N/A	COPPER	4"	DOAS-1	208	3 Y					42.0	42	50	60	N.F. 0.58	8% #6	#6	#10 1	
1	400	208	3	420	20	0.13	1	#600	#600	#3	N/A	COPPER	4"	AHU-1	208	3 Y					37.0	37	40	60	N.F. 0.6	5% #8	#8	#10 1	
	225	208	3	230	8	0.08	1	#4/0	#4/0	#4	N/A	COPPER	2-1/2"	AHU-2	208	3 Y					37.0	37	40	60	N.F. 0.54	4% #8	#8	#10 1	
	225	208	3	230	36	0.34	1	#4/0	#4/0	#4	N/A	COPPER	2-1/2"	AHU-3	208	3 Y					36.0	36	40	60	N.F. 0.3	1% #8	#8	#10 1	
	225	208	3	230	20	0.19	1	#4/0	#4/0	#4	N/A	COPPER	2-1/2"	AHU-4	208	3 Y					36.0	36	40	60	N.F. 0.82	2% #8	#8	#10 1	
	100	208	3	100	10	0.17	1	#3	#3	#8	N/A	COPPER	1-1/4"	AHU-5	208	3 Y					36.0	36	40	60	N.F. 0.9	7% #8	#8	#10 1	
	100	208	3	100	10	0.17	1	#3	#3	#8	N/A	COPPER	1-1/4"	AHU-6	208	3 Y					37.0	37	40	60	N.F. 0.69	9% #8	#8	#10 1	
	20	120	1	20	3	0.16	1	#12	#12	#12	N/A	COPPER	1/2"	DC-1	208	3 Y					5.0	5	15	20	9 0.19	9% #12	#12	#12 1	
														HP-1	208	3 Y					21.0	21	35	60	N.F. 0.3	1% #8	#8	#10 1	
														HP-2	208	3 Y					21.0	21	35	60	N.F. 0.3	1% #8	#8	#10 1	
														HP-3	208	3 Y					18.0	18	30	30	N.F. 0.43	3% #10	#10	#10 1	
														HP-4	208	3 Y					18.0	18	30	30	N.F. 0.43	3% #10	#10	#10 1	
														HP-5	208	3 Y					18.0	18	30	30	N.F. 0.4	5% #10	#10	#10 1	
														HP-6	208	3 Y					21.0	21	35	60	N.F. 0.34	4% #8	#8	#10 1	
														EF-1	120	1 Y	0.25	5.80				6	20	20	N.F. 0.58	8% #12	#12	#12 1	
														EWH-1	208	1 Y				4.5 21.6	6	22	30	30	N.F. 0.80	0% #10	#10	#10 1	
														EWH-2	208	1 Y				4.5 21.6	6	22	30	30	N.F. 0.80	0% #10	#10	#10 1	
														ELEVATOR	208	1 Y					78.7	79	175	N/A	N/A 0.4	7% #2/0	#2/0	#6 1	
														SUMP PUMP	120	1 Y	0.50	9.80				10	20	20	N.F. 1.06	6% #12	#12	#12 1	
														GENERAL NOTES:		• •					·			NOTES:					
														(1) - PROVIDE DISC. SW. AT AI	LL PIECES OF	EQUIPMENT, U	JNLESS OTHE	ERWISE NOTED O	N THIS SCHED	ULE.				(a) - ELEVAT	OR CONTROL	LER EQUIPPE	D WITH 175	A CIRCUIT BREAK	.ER
														(2) - C.B., STARTER, DISC. & F	USE SIZES SH	IOWN FOR REI	ERENCE ON	LY, SIZE AS RECC	MMENDED BY	EQUIPMENT									
														MANUFACTURER. VERIFY	Y REQUIREME	ENTS WITH APP	PROVED EQU	IPMENT SHOP DR	AWINGS.										
														(3) - PROVIDE NEMA OUTDOO	OR RATED ENG	CLOSURES FOR	R ALL DISC. S	WS MOUNTED OL	TDOORS.										
														(4) - COORDINATE STARTER T	TYPE WITH EC	UIPMENT PRC	VIDER.												
														(5) - E.C. TO VERIFY THAT C.B	3.'S FOR MOTO	ORS ARE SUFF	ICIENT TO AL	LOW STARTING C	MOTOR, IF										
														REQUIRED FOR STARTIN	G C.B. TO BE	INCREASED TO) A MAX OF 22	25% OF LARGEST	MOTOR F.L.A.										
														(6) - INCREASE CONDUCTOR	SIZES AS REC	UIRED TO MAI	NTAIN A MAX	IMUM OF 3% VOL	AGE DROP B	ASED ON									
														ACTUAL CIRCUIT LENGTH	HS AS INSTALL	FD													
														(7) - TOTAL AMPS SHOWN DO			DENTAL LOAD	DS.											
																		-											





(8) - VOLTAGE DROP BASED ON POWER FACTOR OF 0.85.

ABBREVIATIONS:

MCP = MOTOR CIRCUIT PROTECTOR C.B.

MMS = MAN. MTR. STARTER 20A SW. WITH O.L. AND PILOT MSS =MOTOR STARTING 20A SW. WITHOUT O.L.

VFD = VARIABLE FREQ. DRIVE UNIT.

CBMC = COMB. DISC(MCP) AND MAG. MOTOR STARTER(MMC)

MMC = MAGNETIC MOTOR CONTROLLER W/O.L.

N.F. = NON-FUSED O.L. = THERMAL OVER LOAD ELEMENT I = NEMA I ENCLOSURE 3R = NEMA 3R ENCLOSURE

4SS = NEMA 4 STAINLESS STEEL ENCL.

GENERAL NOTES

: 12/20/19

SIZE

1"

1" 1" 1"

1"

1" 1"

1/2"

1" 1" 3/4"

3/4"

3/4" 1" 1/2"

1/2"

1/2" 2" 1/2"

а

CONDUIT NOTES

- 1. SEE SPECIFICATIONS SECTIONS 260519 AND 260533 FOR CONDUCTOR AND CONDUIT INFORMATION.
- 2. COORDINATE TRANSFORMER REQUIREMENTS WITH BEVERLY HUTTO OF FLORIDA POWER AND LIGHT, 386-322-3439.

REFERENCE NOTES

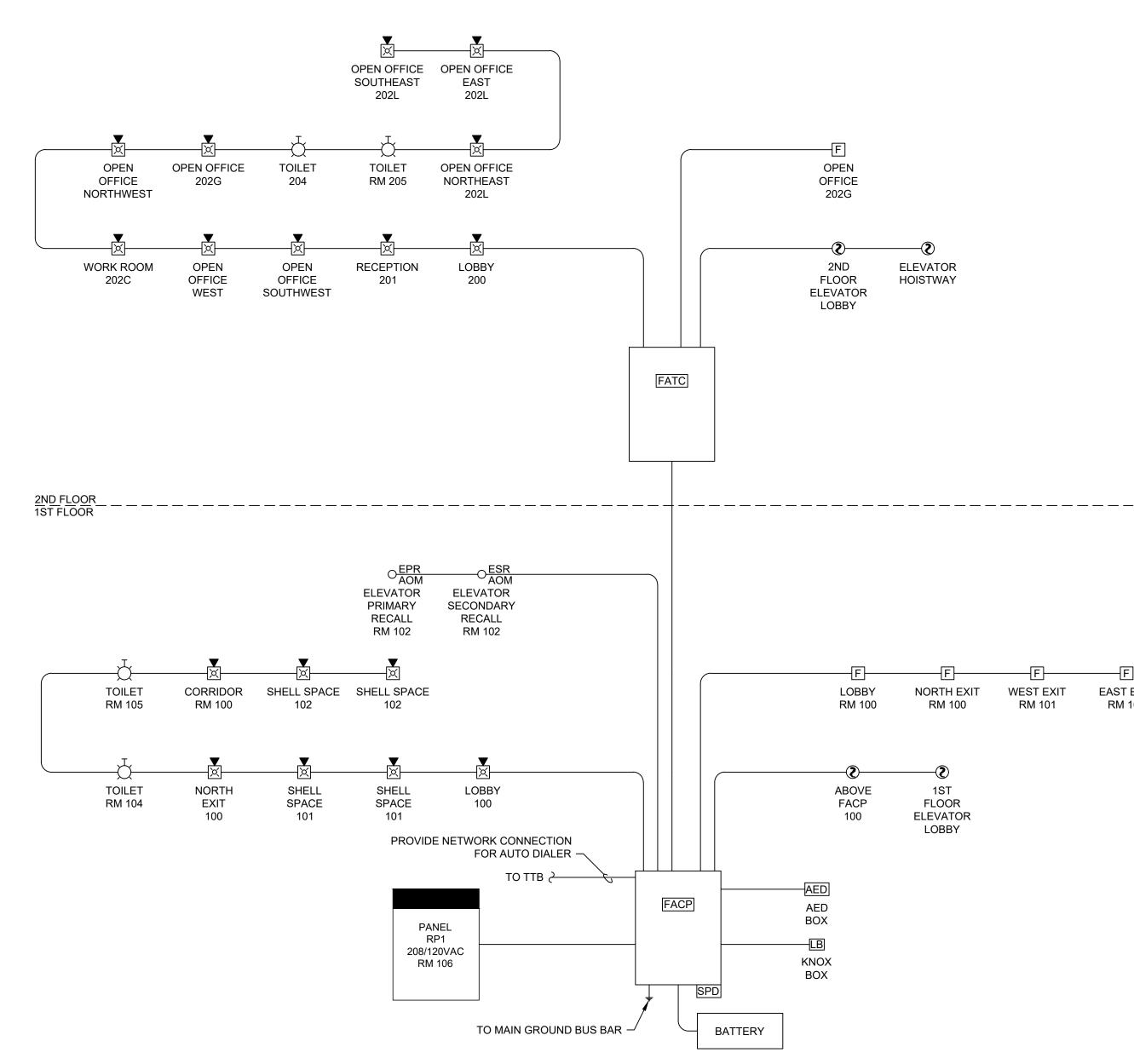
- $\langle 1 \rangle$ CONTRACTOR TO PROVIDE METER BASE, CT CABINET, AND CONDUIT FROM TRANSFORMER SECONDARY CABINET TO METER BASE. SEE METER DETAILS ON SHEET E1.501.
- $\langle 2 \rangle$ BOND NEUTRAL AND GROUND BUSES IN PANEL MDP USING #3/0 AWG BARE COPPER CONDUCTOR.
- $\langle 3 \rangle$ BOND PANEL MDP EQUIPMENT GROUND TO MGB USING #1/0 AWG BARE COPPER CONDUCTOR.
- 4 BOND MDP NEUTRAL BUS TO MAIN SERVICE GROUND USING #3/0 AWG BARE COPPER CONDUCTOR.
- $\langle 5 \rangle$ BOND MGB TO MAIN SERVICE GROUND USING #3/0 AWG BARE COPPER CONDUCTOR.
- $\langle \overline{6} \rangle$ SEE DETAIL ON SHEET E1.501 FOR MGB DETAILS.
- $\langle 7 \rangle$ SEE DETAIL ON SHEET E1.501 FOR TTB GB DETAILS.
- $\langle 8 \rangle$ BOND TTB GB TO MGB USING #4 STRANDED CU. INSULATED GND. CONDUCTOR





Date 12/2		REVISION	DATE
Job no. 201			
Sheet no.			
	ERAU PRODUCTION BUILDING		
F140	EMBRY-RIDDLE AERONAUTICAL UNIVERSITY, DAYTONA BEACH, FLORIDA		
		DRAWN	CHECKED

0 **~** 12/20/20 BID FOR ISSUE







FACP ANNUNCIATION

		ACTUATE COMMON ALARM SIGNAL IND	ACTUATE AUDIBLE ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGI	ACTUATE AUDIBLE SUPERVISORY SIGN	ACTUATE COMMON TROUBLE SIGNAL II	ACTUATE AUDIBLE TROUBLE SIGNAL	ACTUATE ZONE OR DEVICE ADDRESS A	ACTUATE GENERAL EVACUATION SIGN	TRANSMIT FIRE ALARM SIGNAL TO CEN
	SYSTEM INPUTS	Α	В	С	D	Е	F	G	Н	I
1	FIRE ALARM AC POWER FAILURE			\bigcirc	\bigcirc					
2	FIRE ALARM LOW BATTERY					\circ	\circ			
3	OPEN CIRCUIT					\bigcirc	\circ			
4	GROUND FAULT					\bigcirc	\bigcirc			
5	NOTIFICATION APPLIANCE CIRCUIT SHORT					\bigcirc	\circ			
6	BUILDING AREA SPOT SMOKE DETECTORS	0	0					0	\bigcirc	0
7	BUILDING MANUAL PULL STATIONS	0	0					0	0	0
8	ELEVATOR SHAFT AND ELEVATOR ROOM SMOKE DETECTOR	0	0					0	\bigcirc	0
9	ELEVATOR LOBBY SMOKE DETECTORS SECOND FLOORS	\bigcirc	0					0	\bigcirc	0
10	ELEVATOR LOBBY SMOKE DETECTORS RECALL FLOOR	\bigcirc	0					0	\bigcirc	0
11	ELEVATOR CONTROLLER POWER SHUNT TRIP STATUS			0	0			0		
12	FIRE DEPARTMENT KEY BOX TAMPER			0	0					
13	AED BOX TAMPER			0	0					
		Α	B	С	D	F	F	G	Н	1

-2 ELEVATOR HOISTWAY

--| F |--

WEST EXIT

RM 101

NORTH EXIT

RM 100

-2

1ST

FLOOR

ELEVATOR LOBBY

EAST EXIT

RM 102

GENERAL NOTES

- 1. PROVIDE SURGE SUPPRESSION TO 120V AND ALL LOW VOLTAGE CIRCUITS LEAVING AND/OR ENTERING THE BUILDING(S).
- 2. ALL CABLES BELOW GRADE LEVEL SHALL BE RATED FOR WET LOCATION USE.
- 3. SECONDARY POWER SUPPLY CAPACITY SHALL BE 24 HOURS, STAND-BY WITH 15 MINUTES OF ALARM. BATTERY BACK-UP SHALL NOT BE LOADED MORE THAN 80%.
- 4. NOTIFICATION APPLIANCE CIRCUITS SHALL NOT BE LOADED MORE THAN 80% OF ITS LISTED OUTPUT.
- 5. VOLTAGE DROP ON ALL CIRCUITS SHALL BE NO GREATER THAN 5%.
- 6. VERIFY FINAL LOCATIONS OF DUCT SMOKE DETECTORS WITH MECHANICAL CONTRACTOR.
- 7. PROVIDE #6 GROUND CONDUCTOR FROM MAIN GROUND BUS BAR TO EACH EQUIPMENT PANEL AND TERMINAL.
- 8. REFER TO FLOOR PLANS AND SITE PLANS FOR ACTUAL FIRE ALARM DEVICE LOCATION AND QUANTITY.
- 9. FIRE ALARM SYSTEM SHALL BE INSTALLED IN CONDUIT.
- 10. ALL WORK SHALL CONFORM TO THE FLORIDA ADMINISTRATIVE CODE (FAC) 61G15-32.008.
- 11. DEVICE QUANTITIES ARE DIAGRAMMATIC ONLY. FINAL DEVICE QUANTITIES AND LOCATIONS IDENTIFIED IN SHOP DRAWINGS.



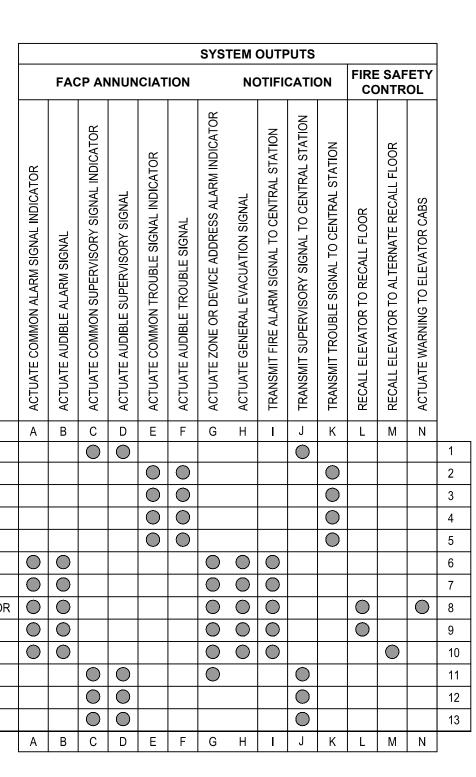
HOUSEMAN

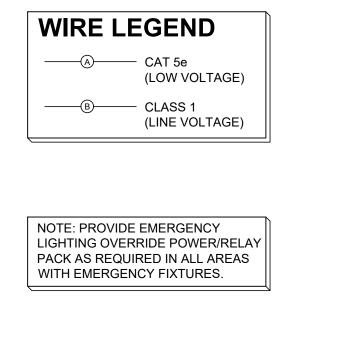
ARCHITECTURE

ALL IDEAS, DESIGNS, AND DETAILS REPRESENTED BY TH DRAWING ARE OWNED BY AND THE PROPERTY HOUSEMAN ARCHITECTURE, LLC. AND WERE CREATE EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECTI WITH THE SPECIFIED PROJECT. NONE OF THE IDEA DESIGNS, OR DETAILS SHALL BE USED BY OR DISCLOSED ANYONE FOR ANY PURPOSE WHATSOEVER WITHOUT T WRITTEN PERMISSION OF HOUSEMAN ARCHITECTURE, LL

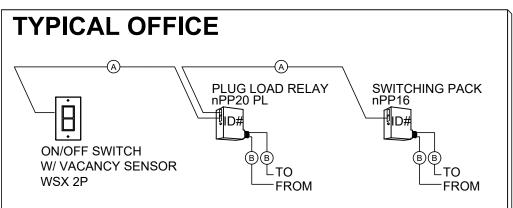
931 S. SEMORAN BLVD. #204B WINTER PARK, FL 32792 321-972-8446 AR0017645

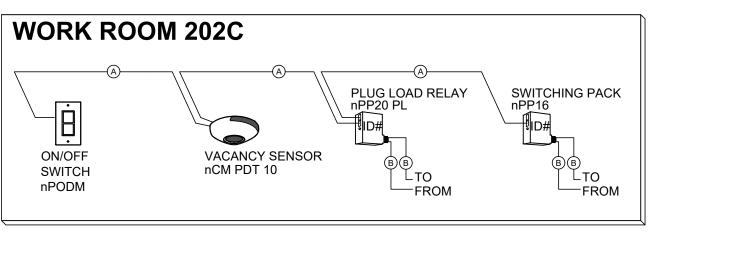
ISSUE FOR	0R BID - 12/20/2019		
Date 12/20/2019 Job no. 2019-5743	RISER DIAGRAM AND IO MATRIX - FIRE ALARM	REVISION	DATE
E1.402	ERAU PRODUCTION BUILDING EMBRY-RIDDLE AERONAUTICAL UNIVERSITY, DAYTONA BEACH, FLORIDA		
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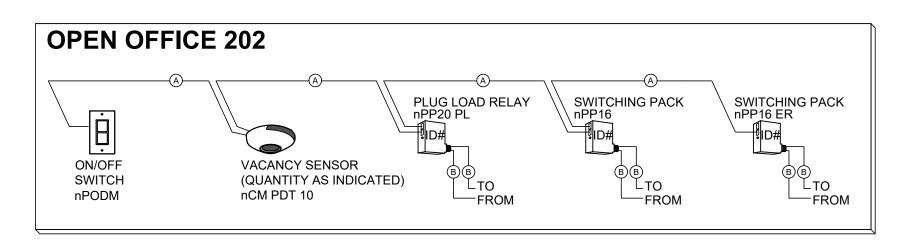


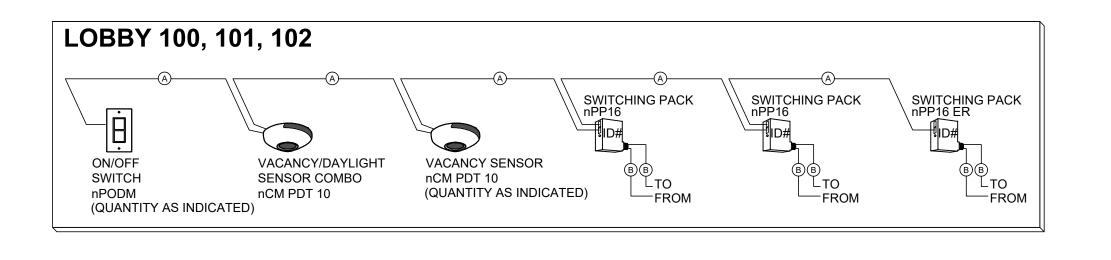


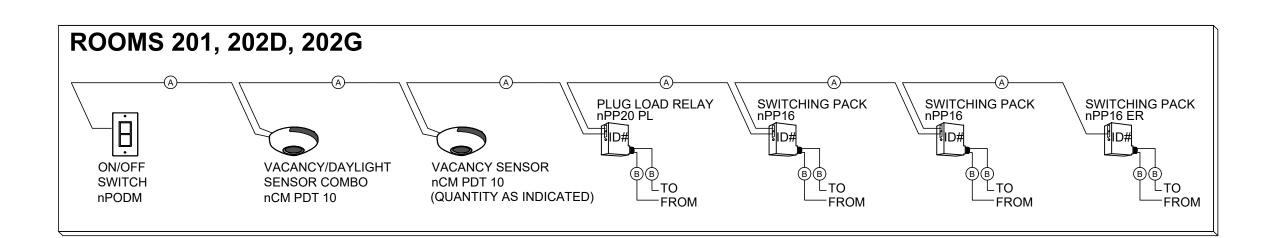
ALL LIGHTING CONTROL PRODUCTS ARE MANUFACTURED BY "ACUITY CONTROLS". SUBSTITUTIONS ARE ALLOWED (SUBJECT TO APPROVAL).

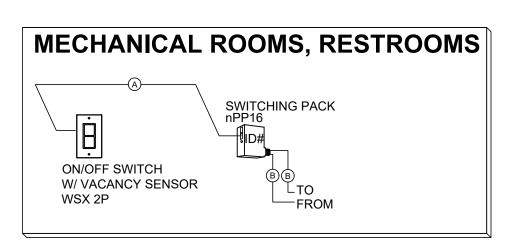












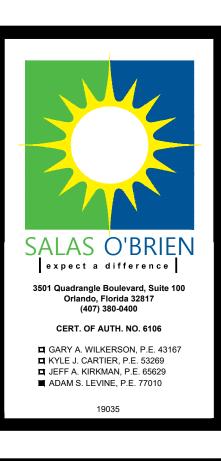


GENERAL NOTES

- THE LIGHTING CONTROL DIAGRAMS ON THIS SHEET REPRESENT A GENERIC LAYOUT OF THE COMPONENTS THAT ARE REQUIRED USING THE ACUITY CONTROLS SYSTEM.
- 2. PROVIDE PROPER QUANTITY AND TYPE OF OCCUPANCY SENSORS, SWITCHES, SWITCH PACKS, DAYLIGHT SENSORS, ETC. PER CODE REQUIREMENT FOR EACH SPACE.
- 3. FOLLOW MANUFACTURER INSTRUCTIONS FOR PROPER PRODUCT PLACEMENT, INSTALLATION, WIRING, AND OPERATION.

SEQUENCE OF OPERATIONS

- 1. GENERAL LIGHTING AUTO ON TO 50% AND CONTROLLED RECEPTACLES AUTO ON WHEN OCCUPANCY DETECTED.
- 2. MANUAL ON/OFF/DIM GENERAL LIGHTING WITH DIMMER SWITCHES.
- LIGHTING IN DAYLIGHT ZONE WILL CONTINUOUSLY DIM BASED ON DAYLIGHT CONTRIBUTION TO MAINTAIN AT LEAST 35fc AT TASK LEVEL.
- 4. AUTO OFF ALL LIGHTING AND CONTROLLED RECEPTACLES WITHIN 20 MINUTES OF OCCUPANTS LEAVING.
- EMERGENCY LIGHTING TRANSFERS TO EMERGENCY POWER SOURCE AND FULL ON WITH LOSS OF NORMAL POWER.

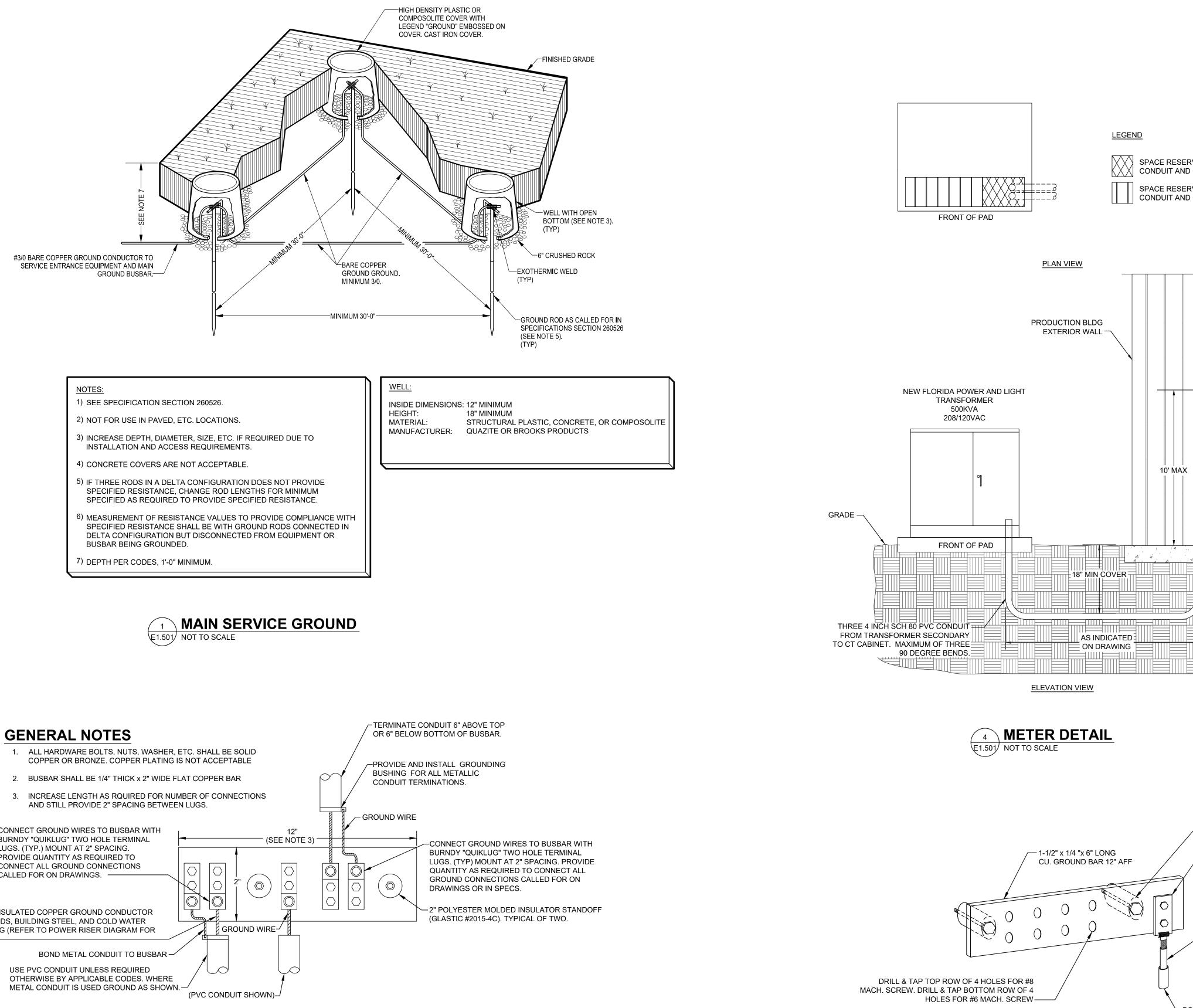


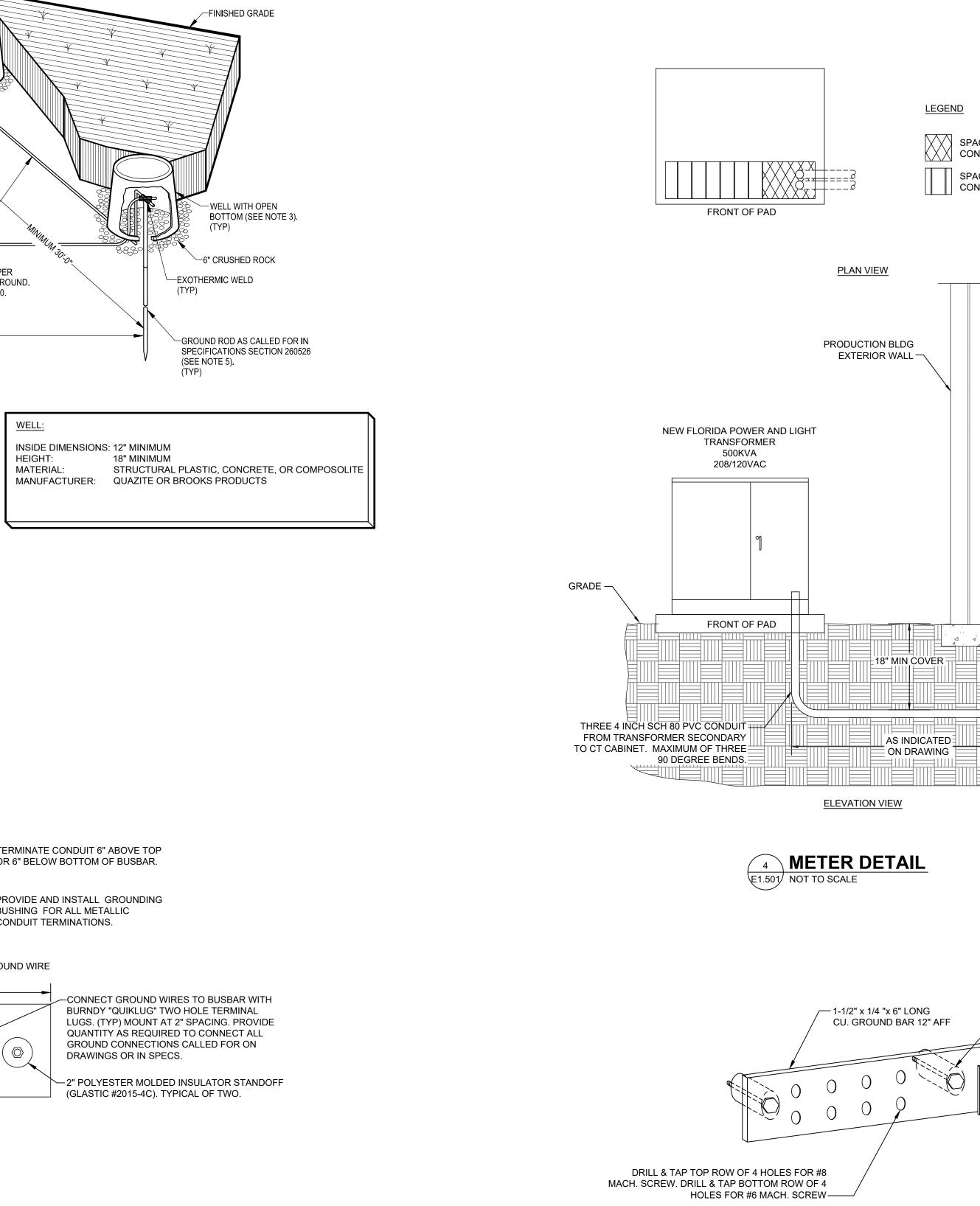


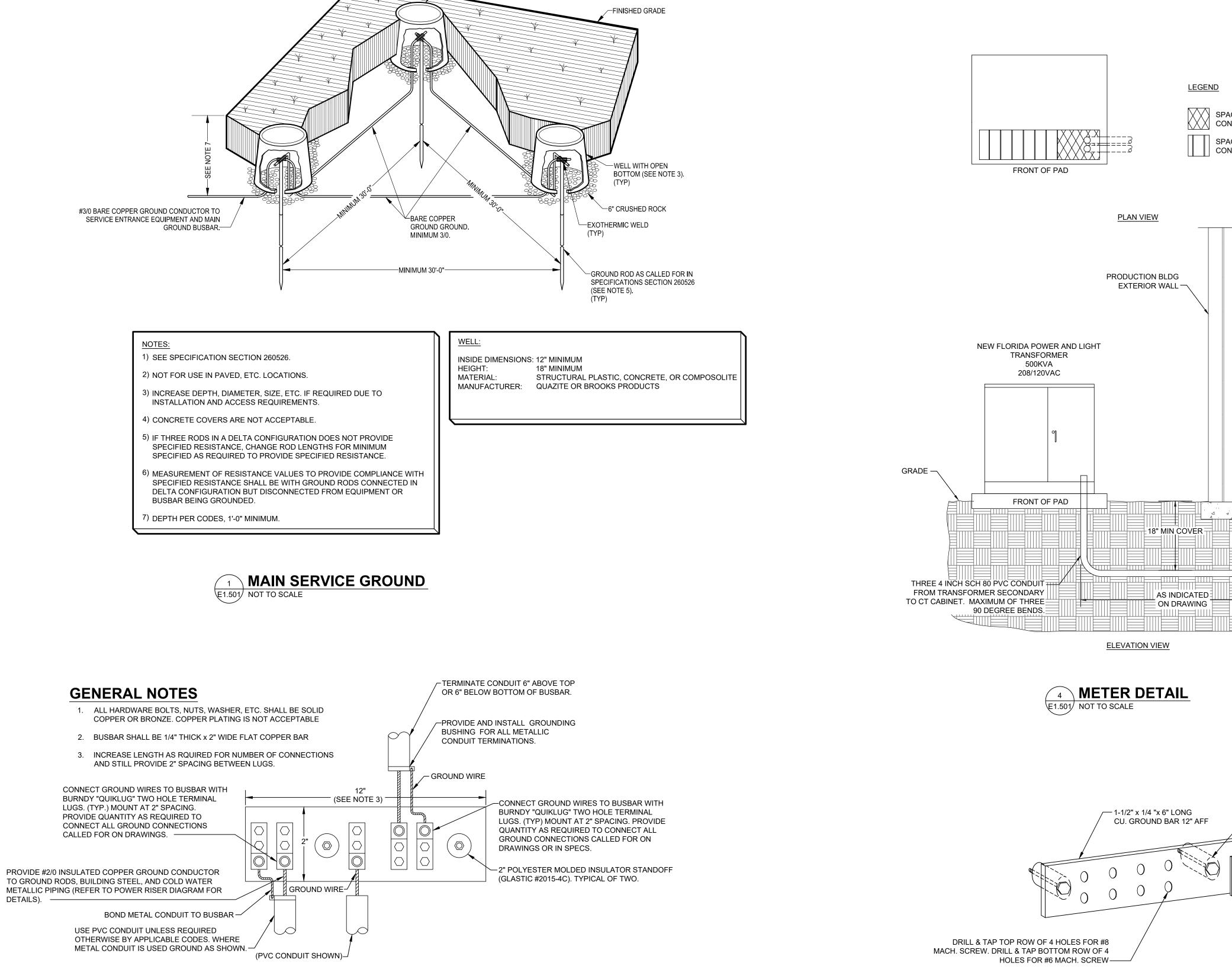
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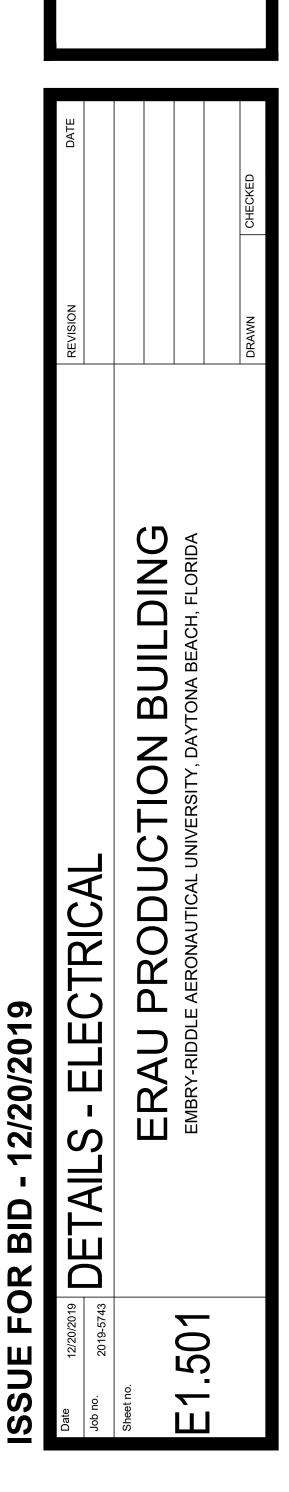




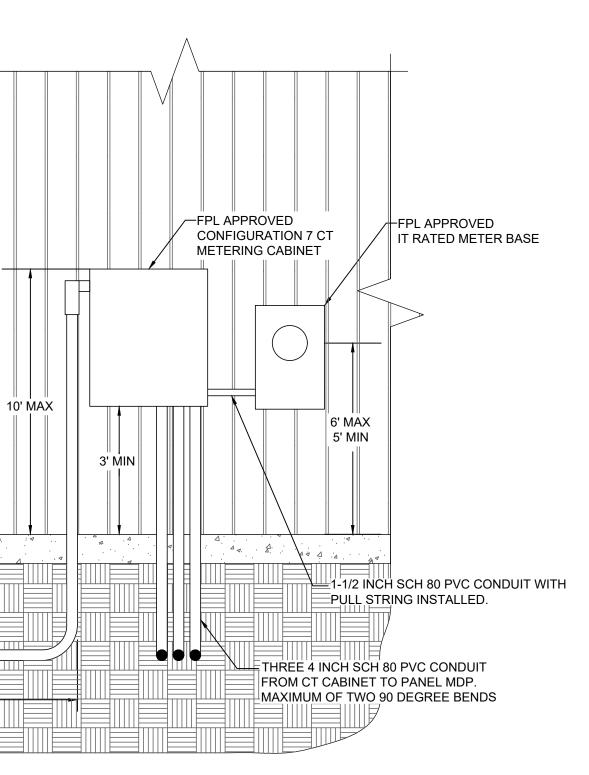




HOUSEMAN ARCHITECTURE 931 S. SEMORAN BLVD. #204B WINTER PARK, FL 32792 321-972-8446 AR0017645 LL IDEAS, DESIGNS, AND DETAILS REPRESENTED BY ALL IDEAS, DESIGNS, AND DETAILS REPRESENTED BY T DRAWING ARE OWNED BY AND THE PROPERTY HOUSEMAN ARCHITECTURE, LLC. AND WERE CREAT EVOLVED, AND DEVELOPED FOR USE ON AND IN CONNECT WITH THE SPECIFIED PROJECT. NONE OF THE IDI DESIGNS, OR DETAILS SHALL BE USED BY OR DISCLOSEE ANYONE FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN PERMISSION OF HOUSEMAN ARCHITECTURE, I



SPACE RESERVED FOR SERVICE SPACE RESERVED FOR FPL CONDUIT AND CONDUCTORS



- 2" x 3/4" DIA. ISOLATING SPACER. ISOLATE BOLT HEADS FROM GROUND BAR

- BOLTED GROUND CONNECTION

-#4 STRANDED CU. INSULATED GND. CONDUCTOR

-BOND TO MAIN GROUND BUS

VOLTS PH.: 208S.E. RATED:: YESMCB:: GFI PROT:: N/AMCB:: MCD:: MAMAPSMEMA: 1PHASE: 3GFI PROT:: N/AMIDI<: N/AMMPSMMPSSECTIONS: 1MOUNTING: SURFACESHUNT TRIP: YESWIDTH/SECT.: 32MFR: SQ. D. TYPE: HCMTOTESFROVIDE NEW PANELDEPTH: 9.5MOTESMAPSMMPSMMPSRAMPSAMPSMAMPSMOTESDESCRIPTIONLOAD CONNAMPSAMPSC.B. AMPSC.KT.C.R. VIDALC.B. VIDALC.B. VIDALAMPSAMPSAMPSAMPSAMPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMCBMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPSMAPS<
MOUNTING: SURFACE MFR: SQ. D. SHUNT TRIP: YES MDTH/SECT. 32 DEPTH : 9.5 TYPE: HCM CRATING (FULLY RATED OR SERIES RATED): NOTES 35 KA (MINIMUM, SEE SPECIFICATIONS) FED FROM: UTILITY NOTES DESCRIPTION LOAD AMPS AMPS C.B. CKT. C.B. AMPS AMPS AMPS DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION AMPS AMPS C.B. CKT. CKT. C.B. AMPS AMPS AMPS DESCRIPTION DESCRIPTION DESCRIPTION AMPS AMPS OCIAS AMPS
MFR: SQ. D. TYPE: HCM MEXALIZATION: CLEAR COLOR SERIES NATED: DEPTH: 9.5 FED FROM: UTILITY MOTES DESCRIPTION LOAD AMPS C.B. C.B. CKT. CKT. CK. MINISTRICT FED FROM: UTILITY NOTES DESCRIPTION LOAD AMPS C.B. C.B. CKT. CKT. C.B. C.B. AMPS AMPS DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION 234 AMPS POLES NUM. NUM. POLES AMPS AMPS C.B. M.M. POLES AMPS C.D.N DESCRIPTION <
TYPE: HCM LOCATION: ELECTRICAL ROOM 16 FED FROM: UTLITY NOTES DESCRIPTION LOAD AMPS AMPS C.B. C.R. C.R. C.R. C.B. AMPS AMPS AMPS DESCRIPTION DESCRIPTION LOAD AMPS AMPS C.B. C.R. C.R. C.R. C.B. AMPS AMPS AMPS DESCRIPTION DESCRIPTION 234 C.B. C.B. C.R. C.B. C.B. AMPS AMPS AMPS CONN CONN DESCRIPTION DESCRIPTION 234 C.B. C.B. C.B. AMPS AMPS AMPS CONN DESCRIPTION DES
NOTES DESCRIPTION LOAD AMPS AMPS AMPS C.B. C.B. C.M. C.B.
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Image: Normal and the state of the state
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==== === 234 === 5 6 === == 3 === === PANEL LP1 12 100 3 7 8 3 225 3 Image: Constraint of the system
PANEL LP1 12 100 3 7 8 3 225 3 PANEL RP3 ==== 12 === === 9 10 === 3 === ===
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PANEL RP1 272 225 3 13 14 3 100 0 SPARE
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ELEVATOR 79 79 175 3 19 20 3 30 0 SPD
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VOLTS L- VOLTS PI PHASE : 3																ENCLOSURE DA
	1200	S.E. F	RATED :	N/A				MCB :	N/A	AMPS						NEMA : 1
PRASE . 3	}	GFI	PROT. :	N/A				MLO :	400	AMPS						SECTIONS : 2
	G : SURFACE	SHUN	T TRIP :	N/A												WIDTH/SECT.: 2
MFR : SQ							PRO	VIDE N	EW PA	NEL						DEPTH : 5.75
TYPE : NO						L	OCATIO				6					FED FROM: MDF
			AIC R	ATING (F	ULLY R		R SERIES F					SEE SPE	CIFICAT	IONS)		
NOTES	DESCRIPTION	LOAD	AMPS	AMPS	AMPS	C.B.	C.B.	CKT.	CKT.	C.B.	C.B.	AMPS	AMPS	AMPS	LOAD	
		CONN				AMPS	POLES	NUM.	NUM.	POLES					CONN	
	AHU-3	36	36			40	3	1	2	3	40	36			36	AHU-5
	====	36		36		====	===	3	4	====	====		36		36	====
	====	36			36	===	===	5	6	===	===			36	36	====
	AHU-4	36	36			40	3	7	8	3	40	37			37	AHU-6
	====	36		36		====	===	9	10	===	===		37		37	====
	====	36			36	===	===	11	12	===	===			37	37	====
	EF-1	7	7			20	1	13	14	3	100	8				PANEL LP2
	SPARE			0		20	1	15	16	===	===		8			====
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	202E REC	4	6			20	1	19	20	1	20	11			7	200, 201, 202G R
	202D REC	5		8		20	1	21	22	1	20		8		5	202H, 202L, 202F
	202D REC	4			6	20	1	23	24	1	20			3	2	SE SYSTEMS FL
	REC 202B	5	8			20	1	25	26	1	20	8			2	SE SYSTEMS FU
	202A, 202C, 202F, 202G REC	8		12		20	1	27	28	1	20		5		3	NE SYSTEMS FL
	202C COUNTER AND REFRIG REC	11			11	20	1	29	30	1	20			12	3	NE SYSTEMS FL
	NW SYSTEMS FURNITURE	2	8			20	1	31	32	1	20	3			2	E SYSTEMS FUR
	NW SYSTEMS FURNITURE	2		8		20	1	33	34	1	20		8		2	E SYSTEMS FUR
	NW SYSTEMS FURNITURE	4			6	20	1	35	36	1	20			6	4	202J REC
	SW SYSTEMS FURNITURE	3	12			20	1	37	38	1	20	6			4	202K REC
	SW SYSTEMS FURNITURE	3		5		20	1	39	40	1	20		6		4	202M REC
	IT RACK REC	2			8	20	1	41	42	1	20			6	4	202N REC
	IT RACK REC	2	8			20	1	43	44	1	20	5			3	203, 204, 205 RE
	W SYSTEMS FURNITURE	1		2		20	1	45	46	1	20		22		22	EWH-2
	W SYSTEMS FURNITURE	1			4	20	1	47	48	1	20			22	22	====
	COPIER	1	4			20	1	49	50	1	20	11			11	EWC
	SPARE			0		20	1	51	52	1	20		0			SPARE
	SPARE				0	20	1	53	54	1	20			0		SPARE
	SPARE		0			20	1	55	56	1	20	0			-	SPARE
	SPARE			0		20	1	57	58	1	20		0	-		SPARE
	SPARE				0	20	1	59	60	1	20			0		SPARE
	SPARE		0			20	1	61	62	1	20	0				SPARE
	SPARE			0		20	1	63	64	1	20		0			SPARE
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	SPARE				0	20	1	71	72	1	20			0		SPARE
	SPARE		0			20	1	73	74	1	20	0				SPARE
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234 : AMPS PHASE B 237 : AMPS PHASE C

PANEL NOTES:

1) REFER TO PANEL FEEDER SCHEDULE FOR CONDUCTOR AND CONDUIT REQUIREMENTS. 2) REFER TO EQUIPMENT FEEDER SCHEDULE FOR CONDUCTOR AND CONDUIT REQUIREMENTS.

3) PROVIDE GFI TYPE CIRCUIT BREAKER.

4) PROVIDE LOCKABLE BREAKER COLORED RED PER NFPA 72, SECTION 10.6.5

DATA	
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DP	
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DESCRIPTION	NOTES
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02P REC	
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Anti- 30 37 60 7 6 1 20 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 <th7< th=""> 7 7 7 <</th7<>					42									37					
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NTING: SURFACE SHUNT TRIP: N/A SHUNT TRIP: N/A NIT IS SURFACE WIDTH/SECT. 20 DEPTH: 5.75 SQ. D. SURFACE SURT TRIP: N/A SURFACE SURFACE SURT TRIP: N/A SURFACE SURFACE SURT TRIP: N/A SURFACE SUR	1) F 2) F 3) F 4) F	REFER TO PANEL FEEDER SCHEDULE REFER TO EQUIPMENT FEEDER SCHEI PROVIDE GFI TYPE CIRCUIT BREAKER. PROVIDE LOCKABLE BREAKER COLOR	262 : AMPS FOR CONDUCT DULE FOR CON	OR ANE DUCTOI FPA 72,) CONDU R AND C SECTION	ONDUIT N 10.6.5		EMENTS.		RP2							ENCLOSURE DATA		
PROVIDE NEW PANEL LOCATION: SHELL SPACE 10 AC RATING (FULLY RATE OR SERIES RATE D): DEPTH: 5.75 FED FROM: MDP SPARE DESCRIPTION LOAD AMPS C.B. CRT. CRT. DEPTH: 5.75 SPARE DESCRIPTION LOAD AMPS C.B. CRT. CRT. DER DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION CR CRT. CRT. CRT. CRT. DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION CRT. CRT. CRT. CRT. CRT. CRT. DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION CRT. CRT. CRT. CRT. CRT. <th colsp<="" th=""><th>1) F 2) F 3) F 4) F</th><th>REFER TO PANEL FEEDER SCHEDULE REFER TO EQUIPMENT FEEDER SCHED PROVIDE GFI TYPE CIRCUIT BREAKER. PROVIDE LOCKABLE BREAKER COLOR</th><th>262 : AMPS FOR CONDUCT DULE FOR CON ED RED PER NI</th><th>OR ANE DUCTOI FPA 72, PTIONS</th><th>CONDU R AND C SECTION</th><th>ONDUIT N 10.6.5</th><th></th><th>EMENTS.</th><th>NEL :</th><th></th><th>AMPS</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th>	<th>1) F 2) F 3) F 4) F</th> <th>REFER TO PANEL FEEDER SCHEDULE REFER TO EQUIPMENT FEEDER SCHED PROVIDE GFI TYPE CIRCUIT BREAKER. PROVIDE LOCKABLE BREAKER COLOR</th> <th>262 : AMPS FOR CONDUCT DULE FOR CON ED RED PER NI</th> <th>OR ANE DUCTOI FPA 72, PTIONS</th> <th>CONDU R AND C SECTION</th> <th>ONDUIT N 10.6.5</th> <th></th> <th>EMENTS.</th> <th>NEL :</th> <th></th> <th>AMPS</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	1) F 2) F 3) F 4) F	REFER TO PANEL FEEDER SCHEDULE REFER TO EQUIPMENT FEEDER SCHED PROVIDE GFI TYPE CIRCUIT BREAKER. PROVIDE LOCKABLE BREAKER COLOR	262 : AMPS FOR CONDUCT DULE FOR CON ED RED PER NI	OR ANE DUCTOI FPA 72, PTIONS	CONDU R AND C SECTION	ONDUIT N 10.6.5		EMENTS.	NEL :		AMPS							
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2019-5743 SCHEDULES - ELECTRICAL	ERAU PRODUCTION BUILDING EMBRY-RIDDLE AERONAUTICAL UNIVERSITY, DAYTONA BEACH, FLORIDA	
Date 12/20/2019 Job no. 2019-5743	Sheet no.	

ACTUAL CONN. LOAD : 240 86 NEC DEMAND : 234 84

VULISL	-N : 120	MAIN C	PTIONS	REQUIF	RED		PA	NEL :	RP3							ENCLOSURE DATA
VOLTS P	'H. : 208	S.E. I	RATED :	N/A				MCB :	N/A	AMPS						NEMA : 1
PHASE :	3	GFI	PROT. :	N/A				MLO :	225	AMPS						SECTIONS : 1
MOUNTI	NG : SURFACE	SHUN	T TRIP :	N/A												WIDTH/SECT.: 20
MFR : SC). D.						PRO			NEL						DEPTH : 5.75
TYPE : N	QOD					L	OCATIO	ON: SH	ELL SP	ACE 10	2					FED FROM: MDP
			AIC RA	TING (F	ULLY RA	TED OR	SERIES F	RATED):	22	KA (MIN	NMUM, S	SEE SPE	CIFICAT	ONS)		
NOTES	DESCRIPTION	LOAD	AMPS	AMPS	AMPS	C.B.	C.B.	CKT.	CKT.	C.B.	C.B.	AMPS	AMPS	AMPS	LOAD	DESC
		CONN				AMPS	POLES	NUM.	NUM.	POLES	AMPS				CONN	
	102 NORTH REC	3	5			20	1	1	2	1	20	0				SPARE
	102 SOUTH REC	2		3		20	1	3	4	1	20		0			SPARE
	SPARE				0	20	1	5	6	1	20			0		SPARE
	SPARE		0			20	1	7	8	1	20	0				SPARE
	SPARE			0		20	1	9	10	1	20		0			SPARE
	SPARE				0	20	1	11	12	1	20			0		SPARE
	SPARE		0			20	1	13	14	1	20	0				SPARE
	SPARE			0		20	1	15	16	1	20		0			SPARE
	SPARE				0	20	1	17	18	1	20			0		SPARE
	SPARE		0			20	1	19	20	1	20	0				SPARE
	SPARE			0		20	1	21	22	1	20		0			SPARE
	SPARE				0	20	1	23	24	1	20			0		SPARE
	SPARE		0			20	1	25	26	1	20	0				SPARE
	SPARE			0		20	1	27	28	1	20		0			SPARE
	SPARE				0	20	1	29	30	1	20			0		SPARE
	SPARE		0			20	1	31	32	1	20	0				SPARE
	SPARE			0		20	1	33	34	1	20		0			SPARE
	SPARE				0	20	1	35	36	1	20			0		SPARE
	SPARE		0			20	1	37	38	1	20	0				SPARE
	SPARE			0		20	1	39	40	1	20		0			SPARE
	SPARE				0	20	1	41	42	1	20			0		SPARE

PANEL NOTES:

1) REFER TO PANEL FEEDER SCHEDULE FOR CONDUCTOR AND CONDUIT REQUIREMENTS. 2) REFER TO EQUIPMENT FEEDER SCHEDULE FOR CONDUCTOR AND CONDUIT REQUIREMENTS.

3) PROVIDE GFI TYPE CIRCUIT BREAKER.

4) PROVIDE LOCKABLE BREAKER COLORED RED PER NFPA 72, SECTION 10.6.5

VOLTS L-	-N : 120	MAIN O	PTIONS	REQUIR	RED		PA	NEL :	LP1							ENCLOSURE DATA	
VOLTS PI	H. : 208	S.E. F	RATED :	N/A				MCB :	N/A	AMPS						NEMA : 1	
PHASE : 3	3	GFI	PROT. :	N/A				MLO :	100	AMPS						SECTIONS : 1	
MOUNTIN	NG : SURFACE	SHUN	t trip :	N/A												WIDTH/SECT.: 20	
MFR : SQ). D.						PRC	VIDE N	IEW PA	NEL						DEPTH : 5.75	
TYPE : NO	QOD					LOC	ATION	: ELEC	TRICAL	ROOM	106					FED FROM: MDP	
			AIC RA	TING (FU	ULLY RA	TED OR	SERIES I	RATED):	22	KA (MIN	NMUM, S	SEE SPE	CIFICAT	IONS)			
NOTES	DESCRIPTION	LOAD	AMPS	AMPS	AMPS		C.B.	CKT.	CKT.	C.B.	C.B.	AMPS	AMPS	AMPS		DESCRIPTION	NOTES
		CONN				AMPS	POLES	NUM.	NUM.	POLES					CONN		
	RM 101 LTS	336	3			20	1	1	2	1	20	3			336	RM 102 LTS	
	RM 100 LTS	136		1		20	1	3	4	1	20		2		180	RM 102A, 106 LTS	
	RM 101A, 103, 104, 105 LTS	238			2	20	1	5	6	1	20			2	240	EXTERIOR SCONCE	
	HOISTWAY LTS	60	1			20	1	7	8	1	20	1			100	SOUTH ENTRANCE EXTERIOR LTS	
3	ELEVATOR CAB LTS	1800		15		20	1	9	10	1	20		2		200	NORTH ENTRANCE EXTERIOR LTS	
	SPARE				0	20	1	11	12	1	20			6	750	PARKING LIGHTS	
	SPARE		0			20	1	13	14	1	20	0				SPARE	
	SPARE			0		20	1	15	16	2	20		0			SPARE	
	SPARE				0	20	1	17	18	===	===			0		SPARE	
	SPARE		0			20	1	19	20	1	20	0				SPARE	
	SPARE			0		20	1	21	22	1	20		0			SPARE	
	SPARE				0	20	1	23	24	1	20			0		SPARE	
	SPARE		0			20	1	25	26	1	20	0				SPARE	
	SPARE			0		20	1	27	28	1	20		0			SPARE	
	SPARE				0	20	1	29	30	1	20			0		SPARE	
	SPARE		0			20	1	31	32	1	20	0				SPARE	
	SPARE			0		20	1	33	34	1	20		0			SPARE	
	SPARE				0	20	1	35	36	1	20			0		SPARE	
	SPARE		0			20	1	37	38	1	20	0				SPARE	
	SPARE			0		20	1	39	40	1	20		0			SPARE	
	SPARE				0	20	1	41	42	1	20			0		SPARE	
											1				1		
														AMPS	KVA		
		7 : AMPS	PHASE	А							ACTUA	L CONN.	LOAD :	12	4		
		19 : AMPS	PHASE	В								NEC DE	MAND :	12	4		
		10 : AMPS	PHASE	С													
ANEL N	OTES:																
1)	REFER TO PANEL FEEDER SCHEDULE	FOR CONDUCT	OR AND	CONDL	JIT REQL	JIREMEN	ITS.										
2)	REFER TO EQUIPMENT FEEDER SCHEL	DULE FOR CON	DUCTO	R AND C	ONDUIT	REQUIR	EMENTS										
	PROVIDE GFI TYPE CIRCUIT BREAKER.																



VOLTS L	-N : 120	MAIN O	PTIONS	REQUIR	ED		PA	NEL :	LP2							ENCLOSURE DATA	
VOLTS P	PH. : 208	S.E. F	RATED :	N/A				MCB :	N/A	AMPS						NEMA : 1	
PHASE :	3	GFI	PROT. :	N/A				MLO :	100	AMPS						SECTIONS : 1	
MOUNTI	NG : SURFACE	SHUN	T TRIP :	N/A												WIDTH/SECT.: 20	
MFR : SC	Q. D.						PRC	VIDE N	IEW PA	NEL						DEPTH : 5.75	
TYPE : N	QOD					LOC	ATION	: ELEC	TRICAL	ROOM	206					FED FROM: DP1	
			AIC RA	TING (Fl	JLLY RA	TED OR	SERIES I	RATED):	22	KA (MIN	IIMUM, S	EE SPE	CIFICATI	ONS)			
NOTES	DESCRIPTION	LOAD	AMPS	AMPS	AMPS		C.B.	CKT.	CKT.	C.B.	C.B.	AMPS	AMPS	AMPS	LOAD	DESCRIPTION	NOTES
		CONN					POLES	NUM.	NUM.	POLES	AMPS				CONN		
	PANEL EL1	8	8			20	1	1	2	1	20	1			63	RM 200 LTS	
	RM 202E LTS	68		1		20	1	3	4	1	20		2		188	RM 206, 202H, 202P LTS	
	RM 202D LTS	202			2	20	1	5	6	1	20			1	60	HOISTWAY LTS	
	RM 202B LTS	68	1			20	1	7	8	1	20	1			136	RM 202 LTS	
	WEST CORRIDOR LTS	68		1		20	1	9	10	1	20		1		136	RM 202J, 202K LTS	
	RM 202G LTS	136			1	20	1	11	12	1	20			1	136	RM 202M, 202N LTS	
	RM 201 LTS	136	1			20	1	13	14	1	20	0				SPARE	
	RM 202C, 202F, 202A LTS	232		2		20	1	15	16	1	20		0			SPARE	
	RM 203, 204, 205 LTS	118			1	20	1	17	18	1	20			0		SPARE	
	SPARE		0			20	1	19	20	1	20	0				SPARE	
	SPARE			0		20	1	21	22	1	20		0			SPARE	
	SPARE				0	20	1	23	24	1	20			0		SPARE	
	SPARE		0			20	1	25	26	1	20	0				SPARE	
	SPARE			0		20	1	27	28	1	20		0			SPARE	
	SPARE				0	20	1	29	30	1	20			0		SPARE	
	SPARE		0			20	1	31	32	1	20	0				SPARE	
	SPARE			0		20	1	33	34	1	20		0			SPARE	
	SPARE				0	20	1	35	36	1	20			0		SPARE	
	SPARE		0			20	1	37	38	1	20	0				SPARE	
	SPARE			0		20	1	39	40	1	20		0			SPARE	
	SPARE				0	20	1	41	42	1	20			0		SPARE	
														AMPS	KVA		
		12 : AMPS											LOAD :		3		
		6 : AMPS										NEC DE	MAND :	8	3		
		5 : AMPS	S PHASE	С													
DAME: C																	
PANEL N																	
	REFER TO PANEL FEEDER SCHEDULE																
2)	REFER TO EQUIPMENT FEEDER SCHEL	OULE FOR CON	DUCTO	R AND C	ONDUIT	REQUIR	EMENTS										

MFR: MYERS TYPE: 1EM2S AIC RATING (FULLY RATED OR SERIES RATED): 10 KA (MI	
MFR: MYERS TYPE: 1EM2S AIC RATING (FULLY RATED OR SERIES RATED): 10 KA (MI NOTES DESCRIPTION LOAD AMPS AMPS C.B. C.B. CKT. CONN AMPS POLES NUM. INTERIOR EMERGENCY 1010 8 20 1 1	
TYPE: 1EM2S AIC RATING (FULLY RATED OR SERIES RATED): 10 KA (MIL NOTES DESCRIPTION LOAD AMPS AMPS C.B. C.KT. AMPS POLES NUM. INTERIOR EMERGENCY 1010 8 20 1 1	
AIC RATING (FULLY RATED OR SERIES RATED): 10 KA (MI NOTES DESCRIPTION LOAD AMPS AMPS C.B. C.B. CKT. CONN AMPS POLES NUM. INTERIOR EMERGENCY 1010 8 20 1 1	
NOTES DESCRIPTION LOAD AMPS AMPS C.B. C.B. CKT. CONN CONN AMPS POLES NUM. INTERIOR EMERGENCY 1010 8 20 1 1	
CONNAMPSPOLESNUM.INTERIOR EMERGENCY101082011	IIMUI
INTERIOR EMERGENCY 1010 8 20 1 1	
ACTL	
PANEL NOTES:	AL C

		CUITY BLUE B		N BUILDIN	G				
RELAY	SWITCH	PANEL &	DESCRIPTION	CONTRO	L NOTES	DESCRIPTION	PANEL &	SWITCH	RELAY
NO.	LEG	CIRCUIT NO.		(SEE B	ELOW)		CIRCUIT NO.	LEG	NO.
1	aa	LP1-6	EXTERIOR SCONCE	b	b	NORTH ENTRY EXTERIOR	LP1-10	сс	2
3	bb	LP1-8	SOUTH ENTRY EXTERIOR	b	b	PARKING LOT LIGHTS	LP1-14	dd	4
5	ee	EL1-1	S EXTERIOR EMERGENCY	b	b	N EXTERIOR STAIRS	EL1-1	ff	6
7			SPARE RELAY			SPARE RELAY			8
GENERAL	NOTES:			•					
1) - SEE S	PECIFICAT	IONS FOR REC	QUIREMENTS.						

(2) - PROVIDE OVERRIDE SWITCHES AT PANEL FOR EACH SET POINT.

(3) - COLOR CODING OF CONDUCTORS SHALL BE THE SAME THROUGHOUT CIRCUIT.

(4) - PROVIDE PROGRAMMED TIME-OF DAY OFF OF ALL INTERIOR SPACE LIGHTING RELAYS. (5) - PROVIDE SYSTEM PHOTOCELL ON ROOF FACING NORTH AND CONNECT TO RELAY PANEL PROCESSOR. (6) - PROVIDE BARRIER IN PANEL TO SEPARATE NORMAL AND EMERGENCY CIRCUITS.

(7) - PROVIDE DOUBLE POLE SINGLE THROW RELAYS FOR ALL CIRCUITS FED BY 2 POLE C.B.'S CONTROL NOTES:

a - CIRCUIT CONTROLLED VIA DIGITAL SWITCH AND PROGRAMMED TIME OF DAY 'OFF' SCHEDULE. b - PHOTOCELL ON TIME CLOCK OFF PER OWNER'S DIRECTION.

c - PHOTOCELL ON - PHOTOCELL OFF.

d - REFER TO RELAY PANEL CONTROL DIAGRAM FOR ADDITIONAL CONTROL REQUIRMENTS.

e - PROVIDE PROGRAMMABLE DIMMING MODULE FOR THIS SWITCHLEG (COORDINATE WITH FIXTURE TYPE).

g - CIRCUIT CONTROLLED VIA LOCAL SWITCH AND PROGRAMMED TIME OF DAY 'OFF' SCHEDULE.

AMPS AMPS KA (MINIMUM, SEE SPECIFICATIONS)	ENCLOSURE DATA NEMA : 1 SECTIONS : 1 WIDTH/SECT. : 25 DEPTH : 11 FED FROM: LP2
AMPS ACTUAL CONN. LOAD : 8	VA 1010



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