GENERAL ELECTRICAL 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 A LLOWABLE BRANCH CIRCUIT CONDUCTOR SIZE IS #12 A WG COPPER. INCREASE CONDUCTOR SIZE FOR A PPLICATION 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 A RE 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.
- 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 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 A RCHITECTURAL DRAWINGS, A PPROVED 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 RECEPTAICLE 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, HV AC EQUIPMENT, SPECIAL PURPOSE OUTLETS, OWNER FURNISHED EQUIPMENT ETC.) WITH A PPROVED 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 A BOVE
- 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 A RCHITECT/ENGINEER MAY BE NECESSARY AND IT IS INTENDED THAT SUCH DEVIATIONS SHALL BE CONSIDERED A PART OF THIS CONTRACT. IT IS A LSO 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 WIREWOLD 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
- 21) PANELBOARDS: CLEAN EXPOSED SURFACES AND CHECK TIGHTNESS OF ELECTRICAL CONNECTIONS. REPLACE DAMAGED CIRCUIT BREAKERS AND PROVIDE CLOSURE PLATES FOR VAICANT POSITIONS. PROVIDE TYPED CIRCUIT DIRECTORY SHOWING REVISED CIRCUITING A RRANGEMENT.

	POWER	
φ	DUPLEX RECEPTACLE, 20 AMP, WITH FLUSH WALL OUTLET BOX.	a, f
$\Phi_{\mathbf{C}}$	DUPLEX RECEPTACLE CONNECTED TO ACUITY CONTROLS SWITCHING PACK nPP16, 20 AMP, WITH FLUSH WALL OUTLET BOX.	a, f
Ψ	DUPLEX RECEPTACLE MOUNTED 2" ABOVE COUNTER BACKSPLASH, 20 AMP, WITH FLUSH WALL OUTLET BOX.	f
 G	GFI DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTER BACKSPLASH, 20 AMP, WITH FLUSH WALL OUTLET BOX.	f
 Феwc	GFI DUPLEX RECEPTACLE, 20 AMP, WITH WALL OUTLET BOX FOR ELECTRIC WATER COOLER. COORDINATE CONCEALMENT WITH EWC INSTALLER FOR MOUNTING REQUIREMENTS.	f
₽wpg	DUPLEX RECEPTACLE, WEATHERPROOF GFI AND SURFACE MTD. OUTLET BOX WITH	a, f
<u> </u>	IN-USE COVER. FLUSH WALL OUTLET BOX AND 30A, 125/250V, 3P, 4W, NEMA 14-30R RECEPTACLE.	a, f
	CAST IRON FULLY ADJUSTABLE TWO-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
	DISCONNECT SWITCH. REFER TO EQUIPMENT FEEDER SCHEDULE FOR REQUIREMENTS (I.E. SIZE, FUSED, NON-FUSED, ETC.)	h, j
\boxtimes_{j}	COMBINATION DISCONNECT/MOTOR STARTER	h, j
\$ _M	OUTLET BOX WITH 20 AMP, 1 POLE, MANUAL MOTOR CONTROLLER WITHOUT OVERLOADS (MSS). RATED 1 HP @ 120V; REFER TO EQUIPMENT FEEDER SCHEDULE.	f
''' □) s	SURFACE MOUNTED SHUNT-TRIP BUTTON, LOCATE AND LABEL INACCORDANCE WITH A.H.J., MOUNTED 54" TO TOP, UNLESS OTHERWISE NOTED.	f
<u> </u>	120/208V PANELBOARD, SURFACE MOUNTED	h, j
	LIGHTING	
	EXIT SIGN LIGHT FIXTURE WITH CEILING OUTLET BOX AND EMERGENCY BATTERY.	
<u> </u>	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) SINGLE POLE VACANCY SENSOR SWITCH WITH WALL OUTLET BOX. DUAL	f
\$ _{VS}	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
OS	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.	
	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.	
	PHOTO CELL	
	FIRE ALARM	
F	MANUAL FIRE ALARM PULL STATION.	b
⊠◀	FIRE ALARM HORN/STROBE COMBINATION DEVICE. (15/75 CANDELA, U.O.N.)	l, m
HQ	FIRE ALARM STROBE. (15/75 CANDELA, U.O.N.)	l, m
? ==-	DUCT MOUNTED SMOKE DETECTOR. (S = SUPPLY; R = RETURN)	
●AH R	CONTROL RELAY "AIR HANDLING CONTROL"	
FACP	FIRE ALARM CONTROL PANEL	b
	FIRE ALARM ANNUNCIATOR	
FAA		b
	SECURITY AND ACCESS CONTROL CARD ACCESS READER, FLUSH MOUNTED.	
CR	(PR = PROXIMITY)	b
DL	ELECTRIC DOOR STRIKE	
● RTE	"REQUEST-TO-EXIT" DOOR RELEASE SWITCH	b
DC	SECURITY DOOR CONTACT	
	MAGNETIC DOOR STRIKE	
ML	WAGNETIC BOOK STRIKE	
SQCP	SECURITY CONTROL PANEL	n
	SECURITY CONTROL PANEL	n
		n a n
SQCP	SECURITY CONTROL PANEL COMMUNICATION AND DATA COMBINATION TELEPHONE/DATA WALL OUTLET BOX, FLUSH MOUNTED WITH BLANK PLATE. PROVIDE (2) MINIMUM 1"C TO CEILING SPACE, U.O.N. TELEVISION OUTLET, FLUSH MOUNT, STUB INTO CEILING SPACE WITH 3/4"C. OR TO	а
SQCP V	COMMUNICATION AND DATA COMBINATION TELEPHONE/DATA WALL OUTLET BOX, FLUSH MOUNTED WITH BLANK PLATE. PROVIDE (2) MINIMUM 1"C TO CEILING SPACE, U.O.N. TELEVISION OUTLET, FLUSH MOUNT, STUB INTO CEILING SPACE WITH 3/4"C. OR TO NEAREST TVTC. 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.	а
SQCP V	COMMUNICATION AND DATA COMBINATION TELEPHONE/DATA WALL OUTLET BOX, FLUSH MOUNTED WITH BLANK PLATE. PROVIDE (2) MINIMUM 1"C TO CEILING SPACE, U.O.N. TELEVISION OUTLET, FLUSH MOUNT, STUB INTO CEILING SPACE WITH 3/4"C. OR TO NEAREST TVTC. 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	а
SQCP TTB	COMMUNICATION AND DATA COMBINATION TELEPHONE/DATA WALL OUTLET BOX, FLUSH MOUNTED WITH BLANK PLATE. PROVIDE (2) MINIMUM 1"C TO CEILING SPACE, U.O.N. TELEVISION OUTLET, FLUSH MOUNT, STUB INTO CEILING SPACE WITH 3/4"C. OR TO NEAREST TVTC. 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. GROUNDING	а

DESCRIPTION

LINEAR DIRECT-INDIRECT SUSPENDED FIXTURE

ADJUSTABLE WET LOCATION RECESSED DOWNLIGHT

SUSPENDED LED HIGH BAY FIXTURE

R2 2X4 RECESSED PERFORMANCE FULL LENSE

SG 4' LENSED STRIP LIGHT WITH WIRE GUARD

EXTERIOR LED WALL LIGHT FIXTURE

XE UNIVERSAL EXIT SIGN WITH BATTERY

4" RECESSED DOWNLIGHT

S 4' SURFACE LENSED STRIP LIGHT

S2 | LARGE AREA LUMINAIRE

TYPE

EW

SYMBOL LEGEND NOTES:

- 1. THE COLOR OF ALL DEVICES SHALL BE SELECTED BY THE ARCHITECT. COVER PLATES SHALL BE #302 SMOOTH STAINLESS STEEL, UNLESS OTHERWISE NOTED. 2. SCREENED ELECTRICAL ITEM DENOTES EXISTING.
- 3. "R" BY DEVICE DENOTES EXISTING TO BE REMOVED COMPLETELY.
- 4. "H" BY DEVICE DENOTES DEVICE TO BE MOUNTED HORIZONTALLY.
- 5. ALL DIMENSIONS INDICATED ARE TO THE BOTTOM OF FIXTURE, OUTLET, OR EQUIPMENT AND SHALL BE THE DIMENSIONS USED UNLESS INDICATED OTHERWISE ON THE DRAWINGS. DIMENSIONS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS ARE TO THE BOTTOM OF THE FIXTURE, OUTLET, OR EQUIPMENT UNLESS INDICATED OTHERWISE. ALL MOUNTING HEIGHTS SHALL COMPLY WITH ADA REQUIREMENTS. VERIFY AND COORDINATE THE EXACT HEIGHT AND LOCATION OF ALL FIXTURES, OUTLETS, AND EQUIPMENT WITH ALL DOCUMENTS AND DISCIPLINES (I.E., ARCHITECTURAL, STRUCTURAL, HVAC, PLUMBING, FIRE PROTECTION, KITCHEN EQUIPMENT, MILLWORK, ETC.) PRIOR TO ROUGH-IN: ADJUST TO MEET ALL REQUIREMENTS.
- ALL SYMBOLS INDICATED IN THIS LEGEND MAY NOT BE USED ON THE PLANS.
- ALL WIRING DEVICES SHALL BE PROVIDED WITH A GROUNDING TERMINAL SCREW.
- 8. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. 9. U.O.N. = UNLESS OTHERWISE NOTED.
- 10. A.H.J. = AUTHORITY HAVING JURISDICTION.
- 11. A.F.F. = ABOVE FINISHED FLOOR
- 12. ELECTRICAL CONTRACTOR TO PROVIDE PULL STRINGS IN ALL CONDUIT(S).

REMARKS:

LIGHTING FIXTURE SCHEDULE

MOUNTING

SUSPENDED

SUSPENDED

RECESSED

RECESSED

RECESSED

SURFACE

SURFACE

WATTS

29.1

97.3

20

32.1

SURFACE 44.5 LED, 45W, 3500K

SUSPENDED 44.5 LED, 45W, 3500K

70.39

13.3 LED, 4000K

SOURCE

LED, 3500K

LED, 3500K

LED, 3500K

LED, 3500K

LED, 4000K

LED

DIMMING

0-10V

0-10V

0-10V

0-10V

N/A

N/A

POLE 200 LED, 4000K MOTION CONTROLLED BY LCP

COMMENTS

SUSPEND USING AIRCRAFT CABLE, DUAL

CIRCUIT WIRING

SUSPEND USING AIRCRAFT CABLE

SUSPEND USING AIRCRAFT CABLE

CONTROLLED BY LCP

MODEL

HP-4-ID-4ft-S-S-835

HBB-16P-120-DX-35K-80

Z4RDL20835WOCDZ10U

2-CA-G-40B-835-4-DS-UNV-DIM-DSC

FSS-4-55L-835-UNV-DIM ***************

ECF-L-80-1A-NW-SF-3-UNV-BL-OMRP-BK

FSS-4-55L-835-UNV-DIM-FSSWG4

OC750-L1L15-R55

WPF-70W-40K

VA-4-SA

MANUFACTURER

FINELITE

PEACH TREE

LIGHTOLIER

DAY-BRITE

DAY-BRITE

GARDCO

DAY-BRITE

LUMINIS

TGS

BEGHELLI

- 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.
- 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.
- f. 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. h. PROVIDE KINDORF MOUNTING RACK FOR FREE STANDING APPLICATIONS. KINDORF
- SHALL BE PAINTED FOR EXTERIOR APPLICATIONS. WHEN SURFACE JUNCTION BOX SYMBOL IS COMBINED WITH DEVICE SYMBOL,
- PROVIDE APPROPRIATE SURFACE PLATE FOR OUTLET APPLICATION. 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. I. MOUNTED 80" ABOVE FINISHED FLOOR TO BOTTOM.
- m. ALL STROBES SHALL BE ADJUSTABLE INTENSITY TYPE SET AT 75cd UNLESS OTHERWISE NOTED.
- n. MOUNTED 72" ABOVE FINISHED FLOOR TO THE TOP.

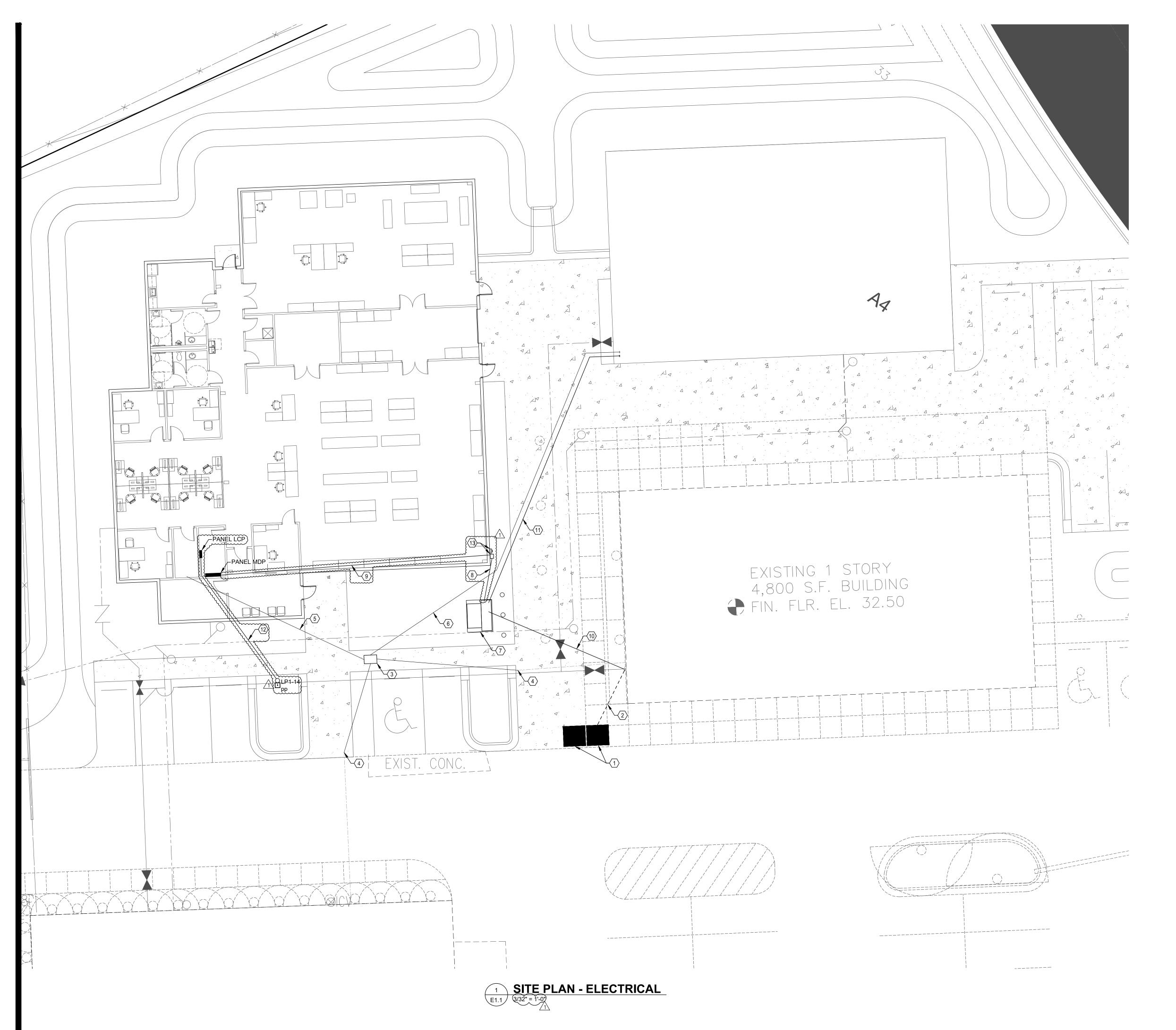


_	REVISION	DATE
	ADDENDUM 1	08/21/2019
	DRAWN	CHECKED

\forall NE)

(/20 7 08/

N



GENERAL NOTES

- 1. COORDINATE WITH FP&L FOR INSTALLATION OF THE NEW TRANSFORMER AND THE PRIMARY CONDUITS.
- 2. COORDINATE WITH ERAU PRIOR TO DEMOLITION OF THE EXISTING TRANSFORMERS AND SECONDARY CONDUITS TO EXISTING BUILDING
- 3. PROVIDE AND INSTALL NEW LAMICOID NAMEPLATES FOR EXISTING WAREHOUSE BUILDING PANELS INDICATING 208VAC OPERATING

REFERENCE NOTES

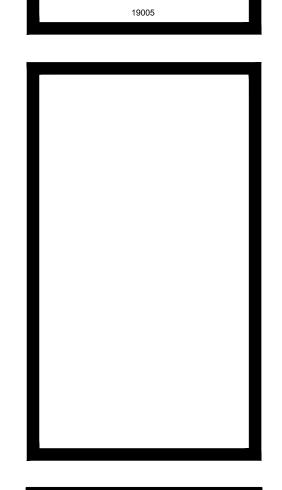
- (1) COORDINATE WITH FP&L FOR REMOVAL OF EXISTING 240/120 VAC SINGLE PHASE TRANSFORMERS.
- $\langle 2 \rangle$ REMOVE EXISTING SECONDARY FEEDER FROM EXISTING TRANSFORMERS TO WAREHOUSE BUILDING METER.
- 3 PULL BACK COMMUNICATIONS CABLE FROM EXISTING WAREHOUSE BUILDING TO MAINTENANCE OFFICE BUILDING AND RELOCATE EXISTING PULLBOX.
- (4) INTERCEPT AND REROUTE COMMUNICATIONS CONDUITS TO RELOCATED COMMUNICATIONS PULLBOX.
- (5) INSTALL TWO 3 INCH SCH 40 PVC CONDUITS FROM RELOCATED COMMUNICATIONS PULLBOX TO THE PRINT SHOP COMMUNICATIONS ROOM. STUB UP CONDUITS ADJACENT TO TTB
- (6) INSTALL TWO 3 INCH SCH 40 PVC CONDUITS FROM THE RELOCATED PULLBOX TO FUTURE BUILDING LOCATION. INSTALL TRACER WIRES AND CAP BELOW GRADE.
- (7) INSTALL NEW TRANSFORMER PAD AND COORDINATE INSTALLATION OF NEW TRANSFORMER WITH FP&L.
- 8 INSTALL NEW SERVICE CONDUCTORS IN SCH 40 PVC CONDUITS FROM TRANSFORMER SECONDARY TO CT CABINET. SEE PANEL FEEDER SCHEDULE ON SHEET E6.1 FOR CONDUIT AND CONDUCTOR
- (9) INSTALL NEW SERVICE CONDUCTORS IN SCH 40 PVC CONDUITS FROM CT CABINET TO PANEL MDP. SEE PANEL FEEDER SCHEDULE ON SHEET E6.1 FOR CONDUIT AND CONDUCTOR SIZING.
- (10) INSTALL NEW SERVICE CONDUCTORS IN SCH 40 PVC CONDUITS FROM TRANSFORMER SECONDARY TO WAREHOUSE BUILDING METER BASE. SEE PANEL FEEDER SCHEDULE ON SHEET E6.1 FOR CONDUIT AND CONDUCTOR SIZING.
- (11) INSTALL THREE 4 INCH CONDUITS FROM TRANSFORMER SECONDARY CABINET TO FUTURE BUILDING LOCATION. INSTALL TRACER WIRE AND CAP CONDUITS BELOW GRADE. MAINTAIN 12" MIN SPACING BETWEEN POWER AND DATA CONDUITS.
- NSTALL ONE 2 INCH SCH 40 PVC CONDUIT FROM LCP TO LIGHT POLE. SEE EQUIPMENT FEEDER SCHEDULE ON SHEET E6.1 FOR CONDUCTOR DETAILS. SEE DETAIL 1 ON SHEET E5.2 FOR POLE DETAILS.
- > INSTALL CT CABINET AND METER BASE IN ACCODANCE WITH FPL ELECTRICAL SERVICE STANDARDS. SEE DETAIL 4 ON SHEET E5.1 FOR DETAILS.

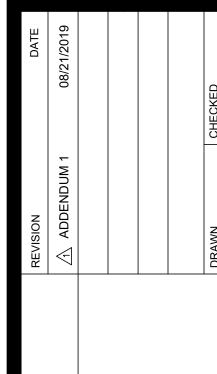


CERT. OF AUTH. NO. 6106

GARY A. WILKERSON, P.E. 43167 KYLE J. CARTIER, P.E. 53269

🗖 JEFF A. KIRKMAN, P.E. 65629 ADAM S. LEVINE, P.E. 77010

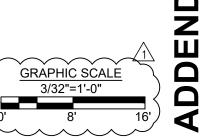




EMBRY-RIDDLE AERONAUTICAL UNIVERSIT NEW PRINT SHOP BUILDING

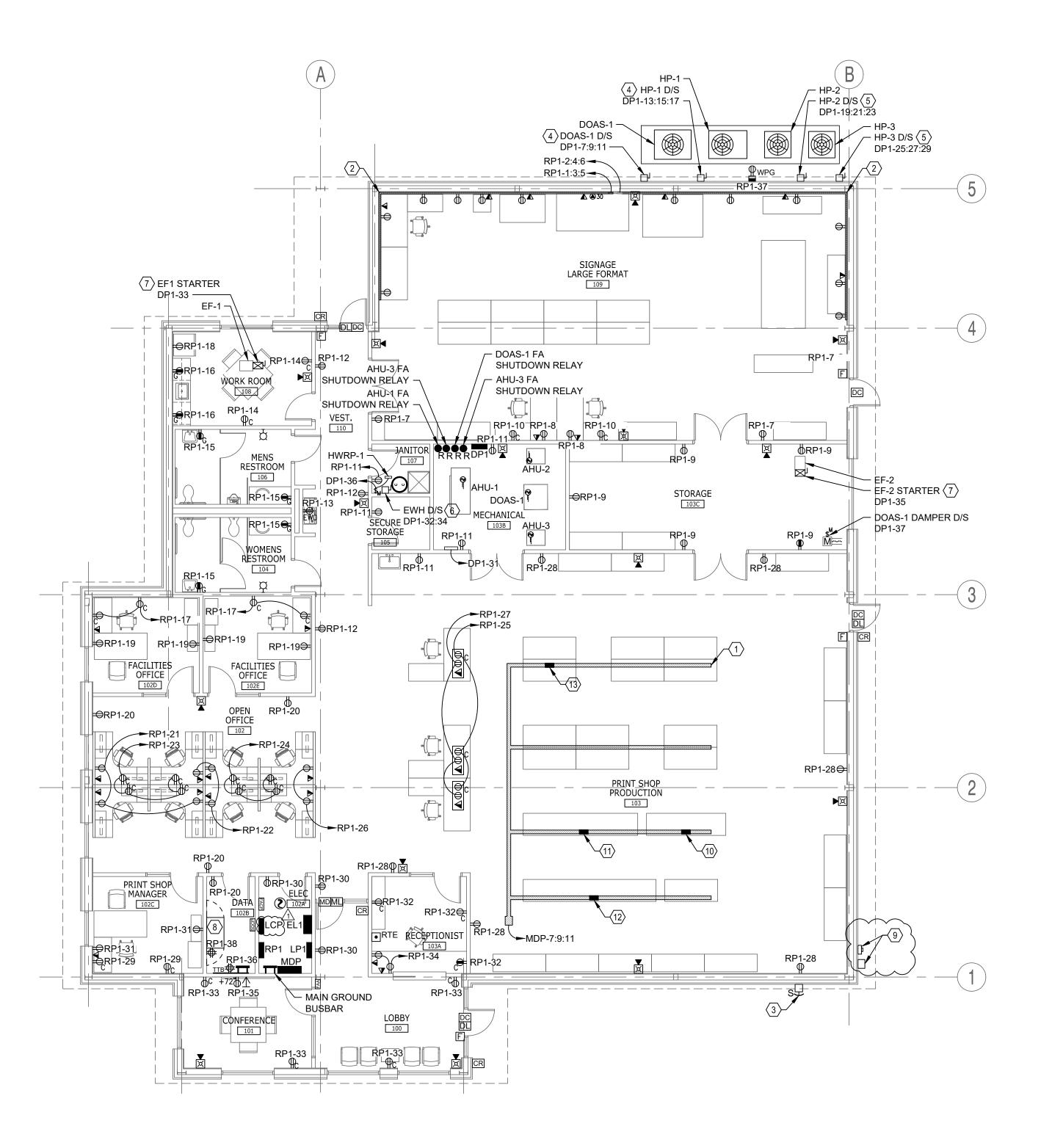
ECTRICAL

DDENDUM



NOTE:

PROVIDE AND INSTALL A UL MASTER LABEL LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH UL 96 AND NFPA 780. SEE SPECIFICATIONS SECTION 264113 FOR DETAILS.



FLOOR PLAN - POWER AND SYSTEMS

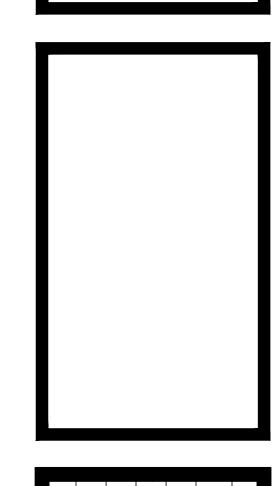
GENERAL NOTES

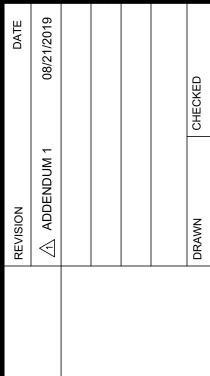
- 1. FURNITURE SYSTEM RECEPTACLES ARE APPROXIMATE. FINAL CONFIGURATION TO BE COORDINATED WITH CHOSEN FURNITURE MANUFACTURER.
- 2. PROVIDE ONE SPARE FOR EACH TYPE OF MODULE FOR STARLINE PLUG-IN RACEWAY
- 3. PROVIDE ONE SPARE FOR EACH TYPE OF PLUG-IN UNIT FOR STARLINE TRACK BUSWAY.
- 4. NOT USEĎ

REFERENCE NOTES

- 1 PROVIDE AND INSTALL STARLINE 225A TRACK BUSWAY 12 INCHES ABOVE CENTERLINE OF HVAC DUCTWORK.
- 2 PROVIDE AND INSTALL STARLINE 60A POWER AND DATA PLUG-IN RACEWAY MOUNTED AT 36 INCHES AFF. PROVIDE PLUG MODULES AS INDICATED ON DRAWINGS.
- 3 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".
- PROVIDE AND INSTALL 240VAC, 60A, 3P DISCONNECT SWITCH IN A NEMA 3R ENCLOSURE.
- (5) PROVIDE AND INSTALL 240VAC, 30A, 3P DISCONNECT SWITCH IN A NEMA 3R ENCLOSURE.
- (6) PROVIDE AND INSTALL 240VAC, 30A, 2P DISCONNECT SWITCH IN A NEMA 1 ENCLOSURE TO SERVICE EWH.
- $\langle 7 \rangle$ NEMA 00 COMBINATION MOTOR STARTER.
- 8 IT RACK SHOWN FOR SPACE ALLOCATION ONLY. RACK TO BE INSTALLED BY OTHERS.
- $\langle 9 \rangle$ INSTALL CT CABINET AND METER BASE. SEE DETAIL 4 ON SHEET , E5.1 FOR DETAILS.
- PROVIDE AND INSTALL STARLINE TRACK BUSWAY PLUG-IN UNIT EQUIPPED WITH ONE NEMA 6-15R RECEPTACLE AND TWO NEMA 5-15R RECEPTACLES ON 15 FOOT CORDS. EACH RECEPTACLE TO BE PROVIDED WITH OVER CURRENT PROTECTION.
- 71) PROVIDE AND INSTALL STARLINE TRACK BUSWAY PLUG-IN UNIT EQUIPPED WITH ONE NEMA 14-50R RECEPTACLE, ONE NEMA 14-30R RECEPTACLE, AND TWO NEMA 6-20R RECEPTACLES ON 15 FOOT CORDS. EACH RECEPTACLE TO BE PROVIDED WITH OVER CURRENT PROTECTION.
- (12) PROVIDE AND INSTALL STARLINE TRACK BUSWAY PLUG-IN UNIT EQUIPPED WITH ONE NEMA 14-30R RECEPTACLE AND SIX NEMA 5-15R RECEPTACLES ON 15 FOOT CORDS. EACH RECEPTACLE TO BE PROVIDED WITH OVER CURRENT PROTECTION.
- (13) PROVIDE AND INSTALL STARLINE TRACK BUSWAY PLUG-IN UNIT EQUIPPED WITH FOUR NEMA 5-15R RECEPTACLES ON 15 FOOT CORDS. EACH RECEPTACLE TO BE PROVIDED WITH OVER CURRENT PROTECTION.

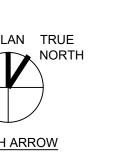


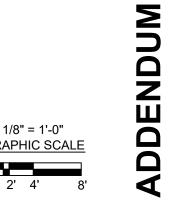


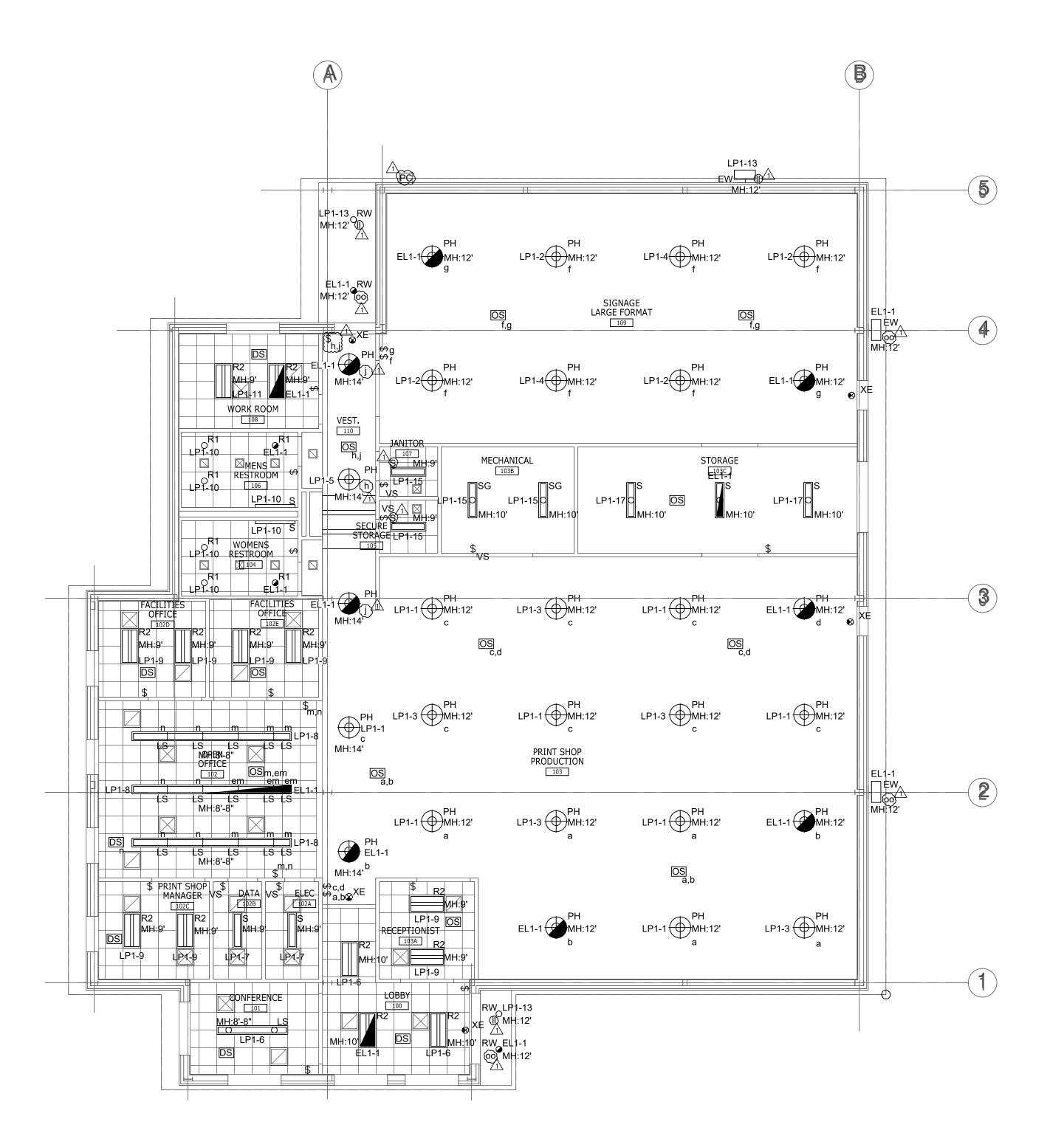


EMBRY-RIDDLE AERONAUTICAL UNIVERSITY NEW PRINT SHOP BUILDING SYSTEMS

POWER AND 08/21/2019





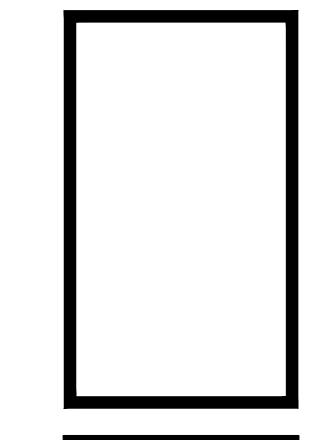


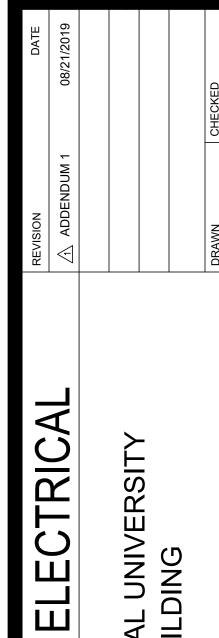
1 REFLECTED CEILING PLAN - ELECTRICAL
E1.3 1/8" = 1'-0"

GENERAL NOTES

- 1. ALL 120VAC NORMAL POWER LIGHTING CIRCUITS ARE FED FROM PANEL
- 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 E6.3 FOR DETAILS.



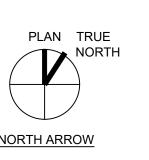


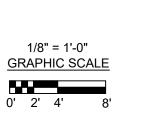


EMBRY-RIDDLE AERONAUTICAL UNIVERSITY NEW PRINT SHOP BUILDING

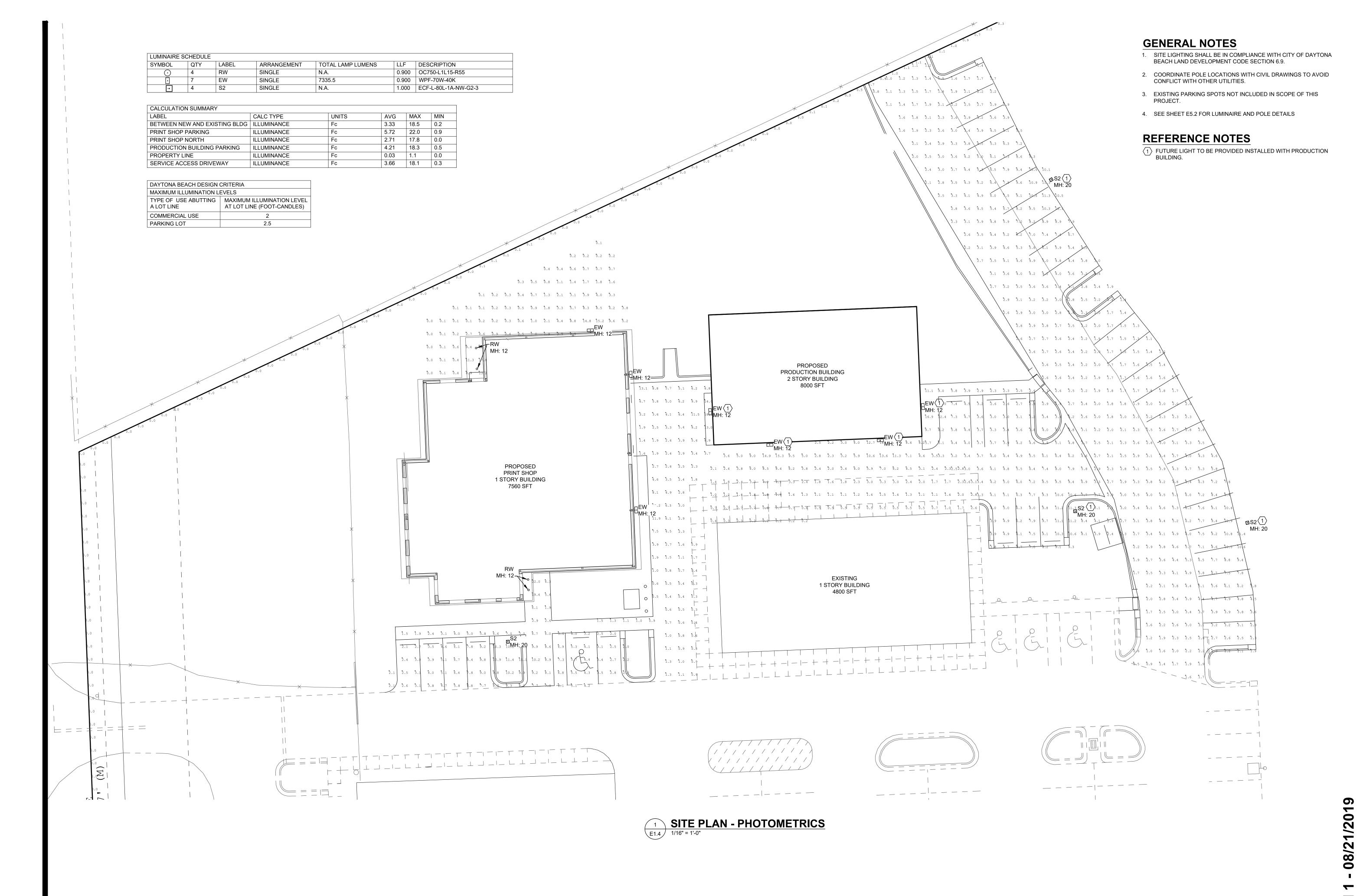
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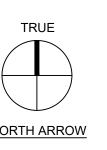
REFLECTED CEILING PLAN

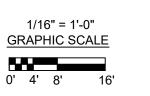




ADDENDUM







ADDENDUM

SALAS O'BRIEN

expect a difference

3501 Quadrangle Boulevard, Suite 100 Orlando, Florida 32817 (407) 380-0400

CERT. OF AUTH. NO. 6106

☐ GARY A. WILKERSON, P.E. 43167

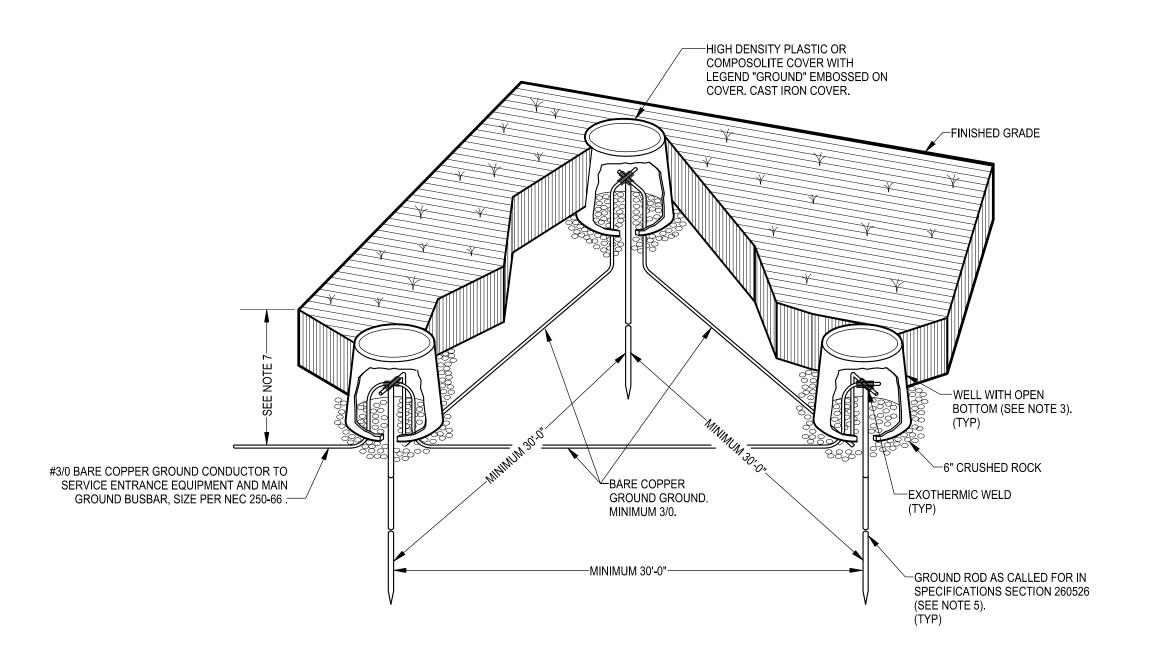
EMBRY-RIDDLE AERONAUTICAL UNIVERSITY NEW PRINT SHOP BUILDING

PHOTOMETRICS

A

KYLE J. CARTIER, P.E. 53269

🗖 JEFF A. KIRKMAN, P.E. 65629 ADAM S. LEVINE, P.E. 77010



NOTES

1) SEE SPECIFICATION SECTION 260526.

2) NOT FOR USE IN PAVED, ETC. LOCATIONS.

3) INCREASE DEPTH, DIAMETER, SIZE, ETC. IF REQUIRED DUE TO INSTALLATION AND ACCESS REQUIREMENTS.

4) CONCRETE COVERS ARE NOT ACCEPTABLE.

5) IF THREE RODS IN A DELTA CONFIGURATION DOES NOT PROVIDE SPECIFIED RESISTANCE, CHANGE ROD LENGTHS FOR MINIMUM SPECIFIED AS REQUIRED TO PROVIDE SPECIFIED RESISTANCE.

6) MEASUREMENT OF RESISTANCE VALUES TO PROVIDE COMPLIANCE WITH SPECIFIED RESISTANCE SHALL BE WITH GROUND RODS CONNECTED IN DELTA CONFIGURATION BUT DISCONNECTED FROM EQUIPMENT OR BUSBAR BEING GROUNDED.

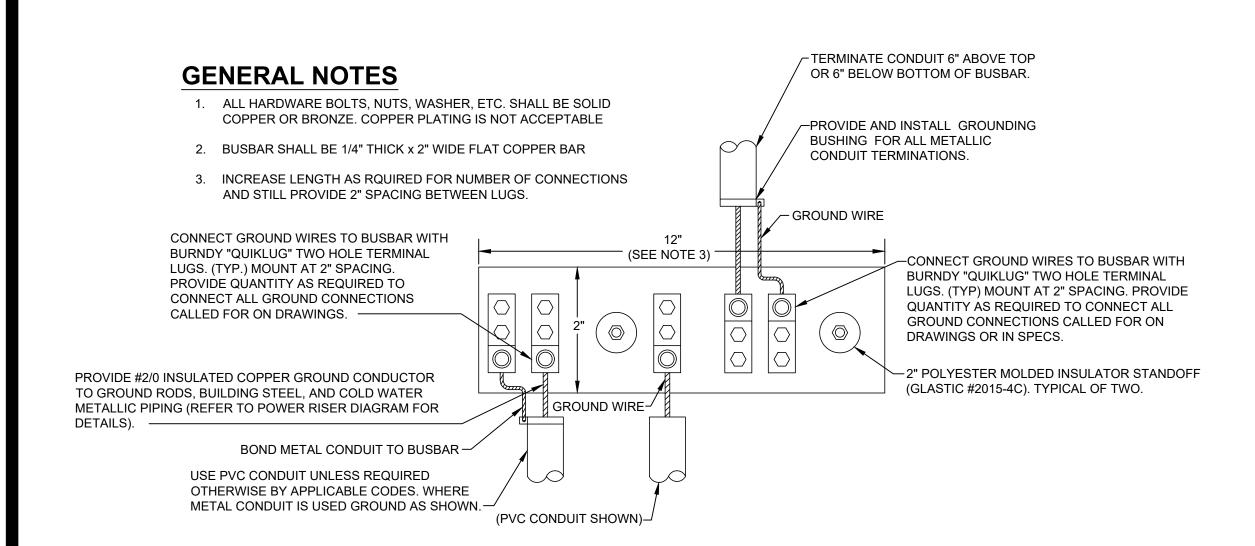
7) DEPTH PER CODES, 1'-0" MINIMUM.

WELL:

INSIDE DIMENSIONS: 12" MINIMUM HEIGHT: 18" MINIMUM

MATERIAL: STRUCTURAL PLASTIC, CONCRETE, OR COMPOSOLITE MANUFACTURER: QUAZITE OR BROOKS PRODUCTS

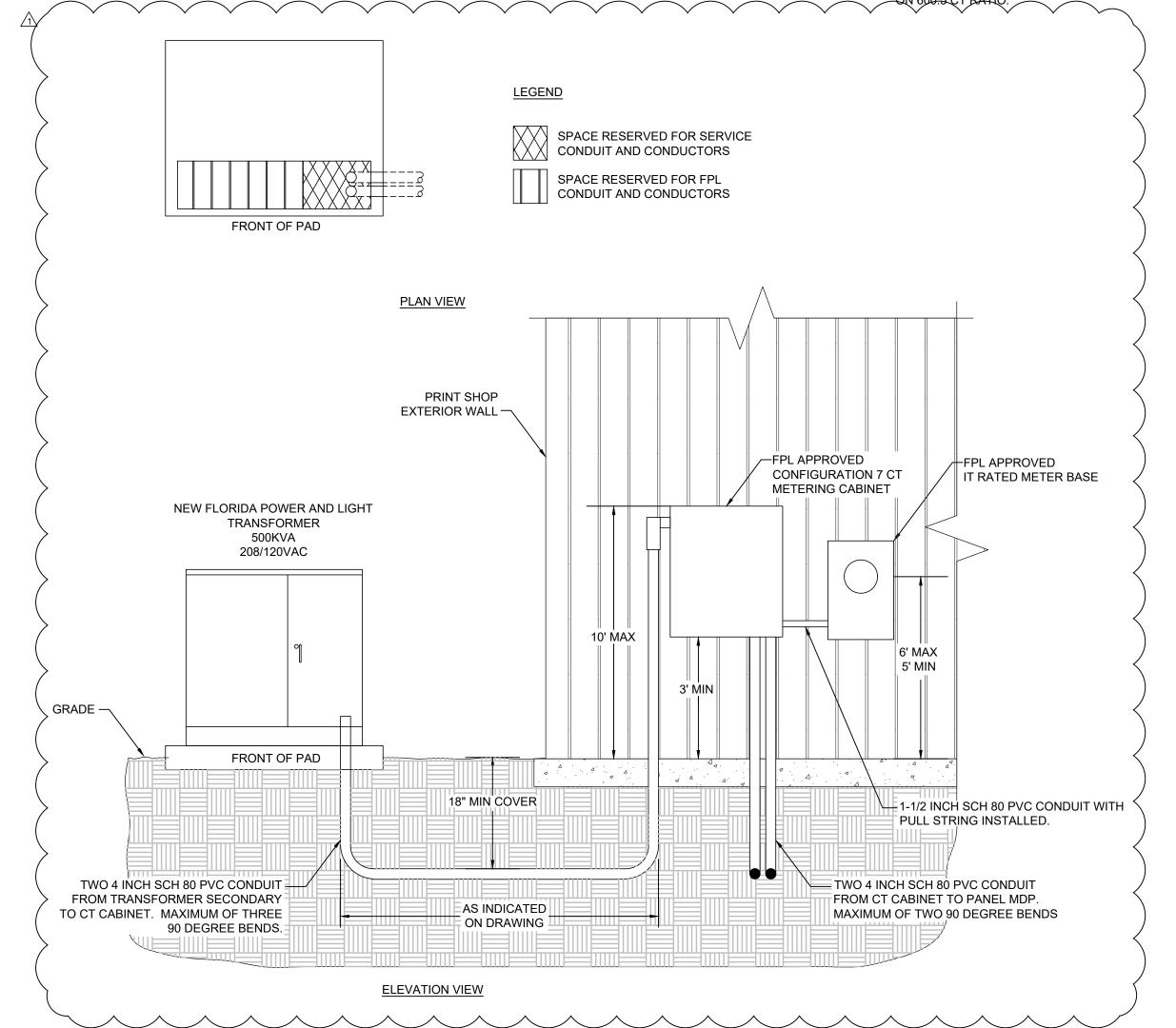
1 MAIN SERVICE GROUND E5.1 NOT TO SCALE



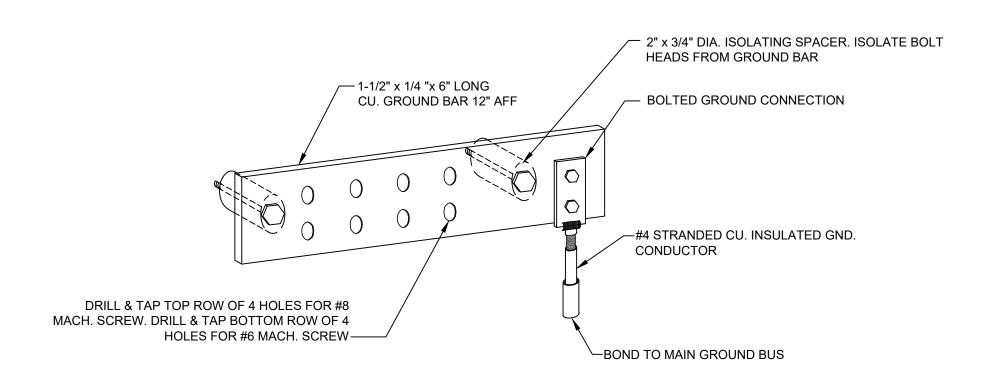
2 MAIN GROUND BUSBAR E5.1 NOT TO SCALE

GENERAL NOTES

- COORDINATE METER REQUIREMENTS WITH BEVERLY HUTTO OF FLORIDA POWER AND LIGHT, 386-322-3439.
- 2. 40 FOOT MAX DISTANCE BETWEEN METER AND TRANSFORMER BASED

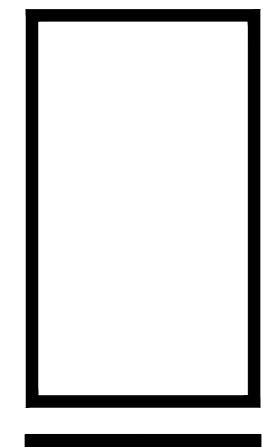


4 METER DETAIL E5.1 NOT TO SCALE







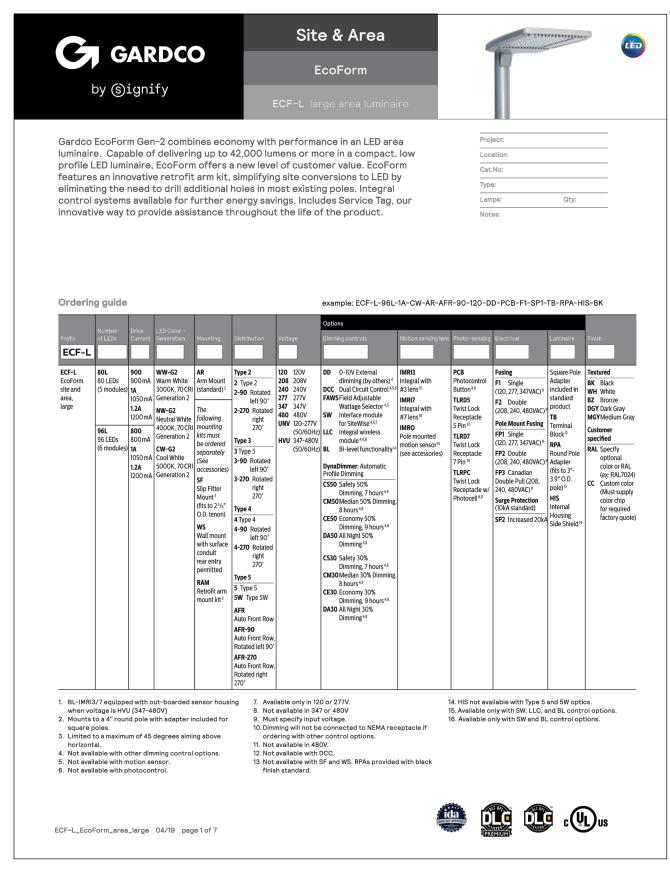




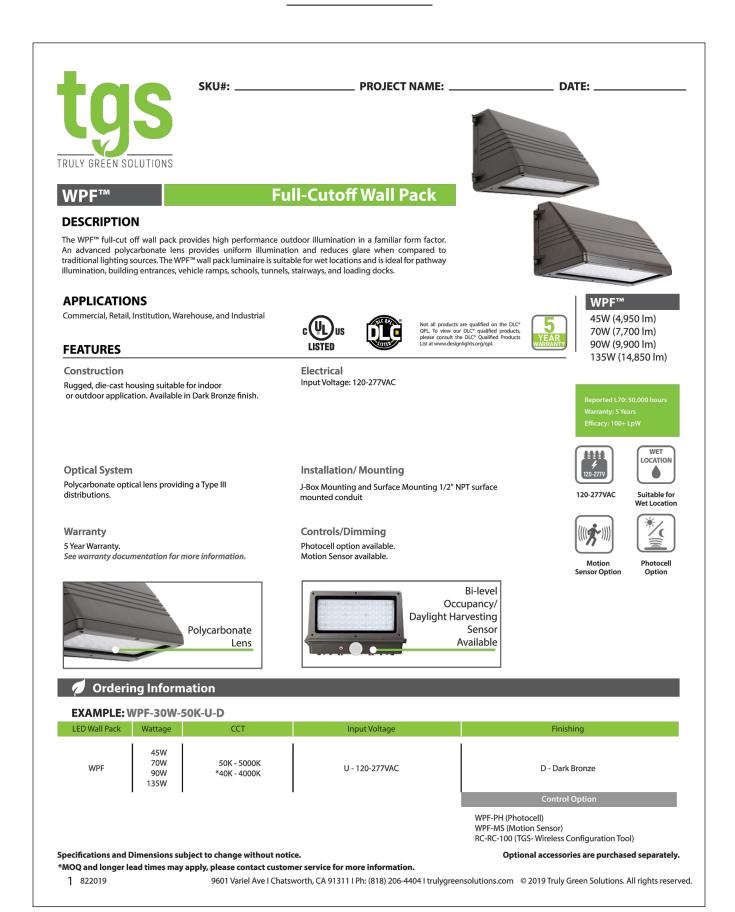
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DDENDUM



FIXTURE S2

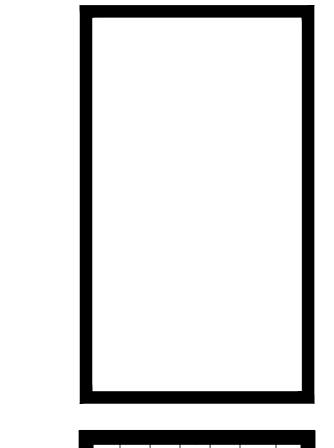


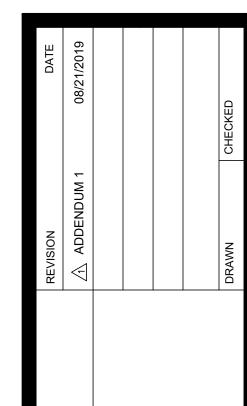
FIXTURE EW

GENERAL NOTES

- 1. SITE LIGHTING SHALL BE IN COMPLIANCE WITH CITY OF DAYTONA BEACH LAND DEVELOPMENT CODE SECTION 6.9.
- 2. COORDINATE POLE LOCATIONS WITH CIVIL DRAWINGS TO AVOID CONFLICT WITH OTHER UTILITIES.

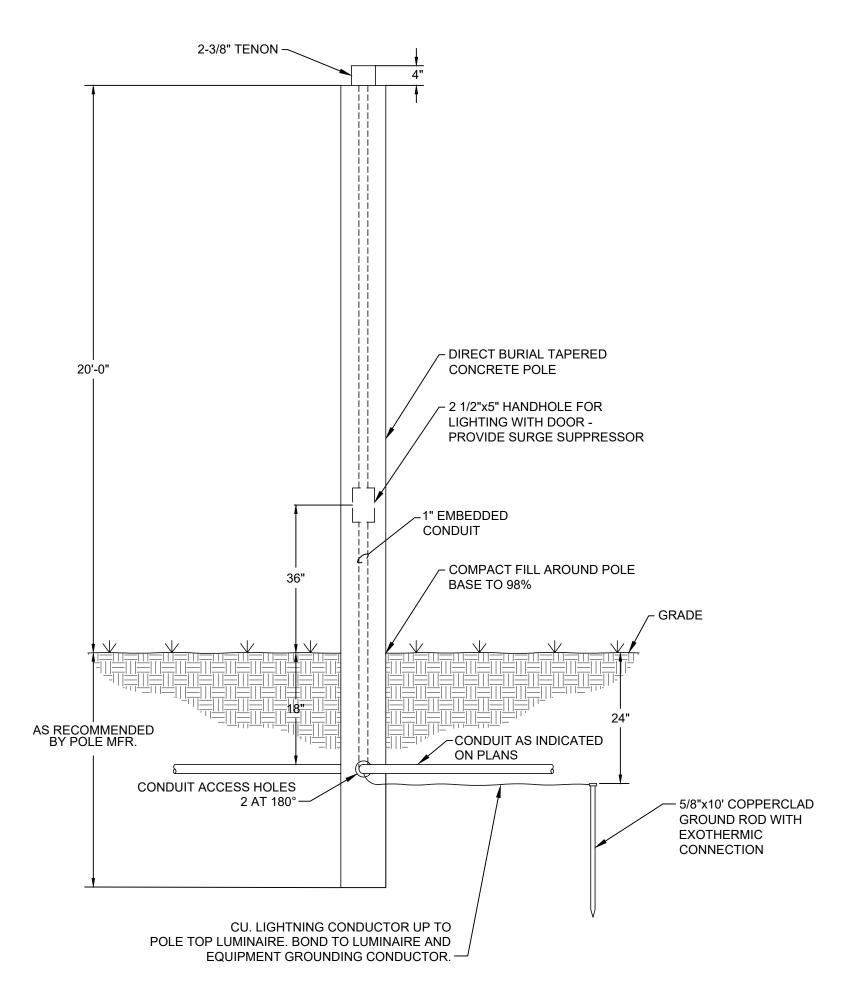






-RIDDLE AERONAU' NEW PRINT SHOP **LIGHTING**

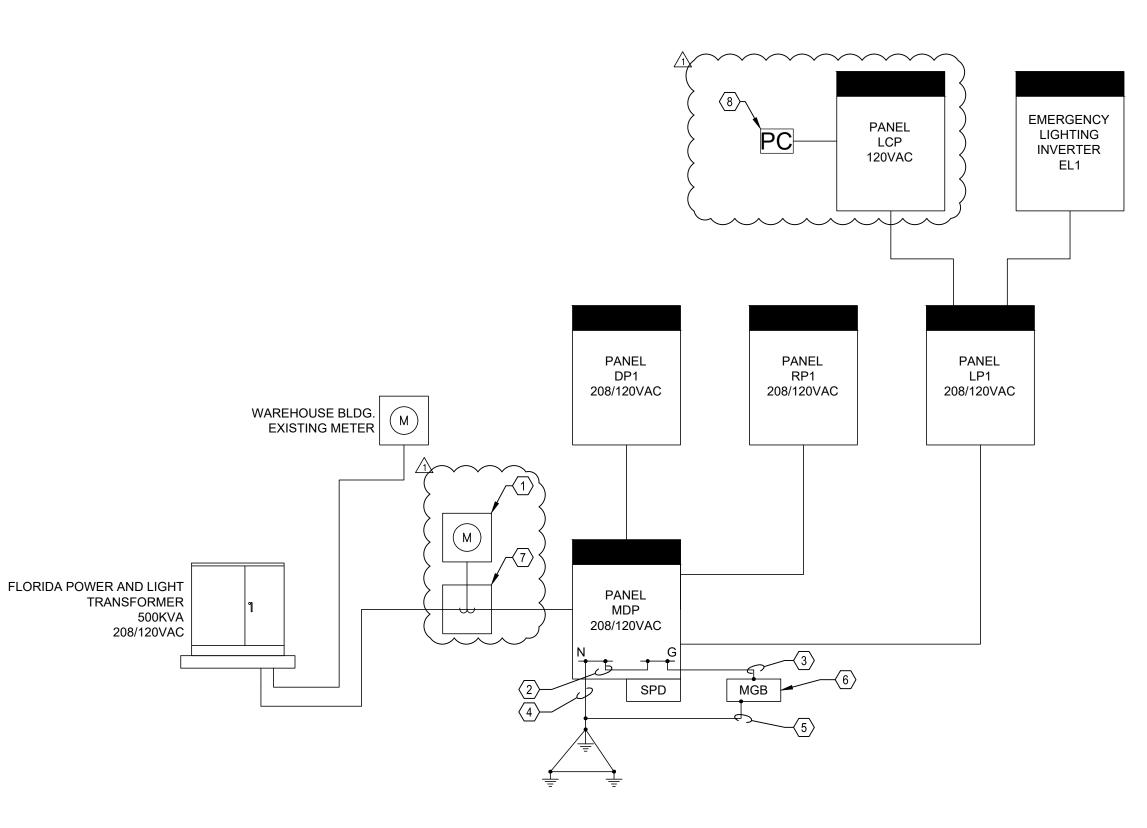
08/21/2019 **ADDENDUM**



POLE DETAIL - FIXTURE TYPE 'S2' E5.2 NOT TO SCALE

PANEL FE	EDE	R SC	HEDU	JLE									
JOB NUMBER:	19005										DATE:	08/21/19	
FEEDER	CII	RCUIT BREAKI	ER	FEEDER	FEEDER	FEEDER				FEEDER			
FEEDING	AMP SIZE	VOLTS	PHASE	CAPACITY	LENGTH	VOLT DROP	PARALLEL	PHASE	NEUTRAL	GROUND	ISOLATED	COPPER/	CONDUIT
						%	RUNS	WIRE	WIRE	WIRE	GROUND	ALUMINUM	SIZE
1 CT CABINET	800	208	3	840	23	0.15	2	#600	#600	N/A	N/A	COPPER	4")
MDP	800	208	3	840	77	0.51	2	#600	#600	N/A	N/A	COPPER	4")
DP1	400	208	3	420	75	0.50		#600	#600	#3	N/A	COPPER	4"
RP1	200	208	3	200	13	0.14	1	#3/0	#3/0	#6	N/A	COPPER	2"
LP1	100	208	3	100	13	0.22	1	#3	#3	#8	N/A	COPPER	1-1/4"
EL1	20	120	1	20	8	0.43	1	#12	#12	#12	N/A	COPPER	1/2"
WAREHOUSE METER BASE	200	208	3	200	40	0.42	1	#3/0	#3/0	#6	N/A	COPPER	2"

JOB NUMBER:	18041																			Г	ATF:	8/21/19	
EQUIPMENT		PH	NEUT	MOTOR		ADDITIO	NAL	HEATER	ROR	MISC	TOTAL	PNL.	DISCONI	NECT	STARTE	R	VOLTAGE	WIRE	NEUT	GND	#	CONDUIT	NOTES
DESCRIPTION			Υ	(LARGE	ST)	MOTOR	S	LIGHTIN	G LOAD	AMPS	AMPS	C.B.	SIZE	FUSE		TYPE	DROP	PER	WIRE	WIRE	OF	SIZE	
			OR N	H.P.	FLA	H.P.	FLA	KW	AMPS			SIZE AMPS	AMPS	SIZE AMPS	NEMA			PHASE			RUNS		
DOAS-1	208	3	N		42.00						42	50	60	NF			0.47%	#6		#10	1	1"	
DOAS-1 OUTSIDE UNIT	208	3	N		5.00						5	15	20	NF			0.33%	#12		#12	1	1/2"	
HP-1	208	3	N		33.00						33	45	60	NF			0.62%	#6		#10	1	1"	
HP-2	208	3	N		18.00						18	30	30	NF			0.99%	#10		#10	1	1/2"	
HP-3	208	3	N		18.00						18	30	30	NF			1.06%	#10		#10	1	1/2"	
AHU-1	208	3	N		51.00						51	60					0.57%	#6		#10	1	1"	
AHU-2	208	3	N		8.00						8	15					0.34%	#12		#12	1	1/2"	
AHU-3	208	3	N		8.00						8	15					0.34%	#12		#12	1	1/2"	
AHU-2 HEATER	208	3	Y						42.0		42	45					0.47%	#6	#6	#10	1	1"	
AHU-3 HEATER	208	3	Y						42.0		42	45					0.47%	#6	#6	#10	1	3/4"	
EF-1	120	1	Υ							1.0	1	20			00		0.11%	#12	#12	#12	1	1/2"	d
EF-2	120	1	Y							1.0	1	20			00		0.12%	#12	#12	#12	1	1/2"	d
DOAS-1 DAMPER	120	1	Y							3.0	3	20	20	NF			0.47%	#12	#12	#12	1	1/2"	
EWH-1	208	1	Υ							22.0	22	30	30	NF			0.81%	#10	#10	#10	1	1/2"	
HWRP-1	120	1	Y							4.0	4	15	20	NF			0.40%	#12	#12	#12	1	1/2"	
BAS CONTROLLER	120	1	Y							2.0	2	20					0.17%	#12	#12	#12	1	1/2"	
E PLUG-IN RACEWAY	208	3	Y							40.0	40	60					1.65%	#6	#6	#10	1	1"	
W PLUG-IN RACEWAY	208	3	Υ							45.0	45	60					1.85%	#6	#6	#10	1	1"	
TRACK BUSWAY	208	3	Y							119.0	119	225					0.32%	#4/0	#4/0	#4	1	2-1/2"	
/1X /LCP	120	1	Y					$\overline{}$		3.0	V 3	20	$\overline{}$			~	0.09%	#Y2	#12	#12	Y	2	
PARKING LIGHT	120	1	Y							1.0	1	20					0.14%	#12	#12	#12	1	1/2")	
SENERAL-NOTES: 1) - PROVIDE DISC. SW. A 2) - C.B., STARTER, DISC. MANUFACTURER. VI 3) - PROVIDE NEMA OUTD 4) - COORDINATE STARTE 5) - E.C. TO VERIFY THAT REQUIRED FOR STAR 6) - INCREASE CONDUCTOR ACTUAL CIRCUIT LEN 7) - TOTAL AMPS SHOWN 8) - VOLTAGE DROP BASE ABBREVIATIONS: MCP = MOTOR CIRCUIT PORT MINS = MAN. MTR. START MISS = MOTOR STARTING A VIFT = VARIABLE FREQ. DE MINC = COMB. DISC (MCP	& FUSE SERIFY RECOOR RATE OF TYPE VECTOR SIZES OF NOT IN DON POVER TO THE POWER OF	BIZES QUIRE ED EN VITH E R MO TO B AS RE INSTA NCLUI VER F R C.B R C.B MO	SHOWN MENTS ICLOSUF CQUIPME ITORS A SE INCRE EQUIRED ALLED DE NON- ACTOR IT O.L. A JT O.L. TOR STA	FOR REI WITH APP RES FOR NT PROV RE SUFF EASED TO O TO MAII COINCID OF 0.85.	FERENC PROVED ALL DIS VIDER. ICIENT DA MAX NTAIN A ENTAL L	E ONLY, EQUIPMI C. SWS N TO ALLOV OF 225% MAXIMUI	SIZE AS ENT SHO MOUNTE W START OF LAR M OF 3% N.F. = N O.L. = T I = NEM 3R = NE	RECOMI P DRAW D OUT DO TING OF GEST M S VOLTAG ION-FUS HERMAL A I ENCL EMA 3R E	MENDED INGS. DORS. MOTOR, OTOR F. GE DROP	BY EQUI IF L.A. BASED (DN MENT	CL.	(b) - CON (c) - CON (d) - CON	NNECT V NNECT V NNECT T NNECT V	/IA LINE V /IA CONTI O LOCAL /IA START	ROL DEV LIGHTIN ER FUR	TYSTAT. F VICES FURI IG SWITCH NISHED BY C. SW. FUR	NISHED B' LEG FRO MECH. (Y MECH. M OCCUI CONTRAC	CONTRA PANCY SE CTOR.	CTOR.	R.	



RISER DIAGRAM - ELECTRICAL

E6.1 NOT TO SCALE

GENERAL 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

- 1) CONTRACTOR TO PROVIDE METER BASE, SUPPORT, AND CONDUIT FROM CT CABINET TO METER BASE. SEE METER DETAILS ON SHEET
- E5.1. 2 BOND NEUTRAL AND GROUND IN PANEL MDP USING #3/0 AWG BARE COPPER CONDUCTOR.
- (3) BOND PANEL MDP EQUIPMENT GROUND TO MGB USING #1/0 AWG BARE COPPER CONDUCTOR.
- BOND MDP NEUTRAL BUS TO MAIN SERVICE GROUND USING #3/0 AWG BARE COPPER CONDUCTOR.
- 5 BOND MGB TO MAIN SERVICE GROUND USING #3/0 AWG BARE COPPER CONDUCTOR.
- $\overline{\left\langle 6\right\rangle }$ SEE DETAIL ON SHEET E5.1 FOR MGB DETAILS. 7 PROVIDE AND INSTALL CT CABINET PER FPL ELECTRICAL SERVICE
- STANDARD AS INDICATED ON SHEET E1.1.
- (8) PROVIDE PHOTOCELL ON BUILDING EXTERIOR AS INDICATED ON SHEET E1.3. AIM SENSOR NORTH.

RISER LEGEND:



NEW PANEL



UTILITY METER SOCKET

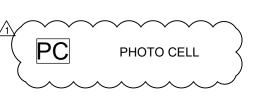




DIAGRAM AND FEEDER 08/21/2019 RISER **ADDENDUM**

SALAS O'BRIEN expect a difference 3501 Quadrangle Boulevard, Suite 100 Orlando, Florida 32817 (407) 380-0400 CERT. OF AUTH. NO. 6106 GARY A. WILKERSON, P.E. 43167 KYLE J. CARTIER, P.E. 53269 🗖 JEFF A. KIRKMAN, P.E. 65629 ADAM S. LEVINE, P.E. 77010

DATE	08/21/2019			снескер ВКW
REVISION	△ ADDENDUM 1			DRAWN SOBE

SCHEDULES EMBRY-RIDDLE AERONAUTICAL UNIVERSIT

VOLTS I	N : 120	MAIN	OPTION	IS REQ	UIRED		PAI	NEL:	MDP	1						ENCLOSURE DATA	
VOLTS I	PH. : 208	S.E. R	ATED:	YES				MCB:	800	AMPS						NEMA: 1	
PHASE :	3	GFI F	ROT.:	N/A				MLO:	N/A	AMPS						SECTIONS: 1	
MOUNT	ING : SURFACE	SHUNT	TRIP:	YES												WIDTH/SECT.: 32	
MFR : S	Q. D.						PRO	VIDE N	IEW P	ANEL						DEPTH: 9.5	
TYPE : I	HCM																
		AIC RA	ATING (FULLY	RATED	OR SE	RIES RA	ATED):	42	KA (MI	NIMUM	, SEE S	SPECIFI	CATION	NS)		
NOTES	DESCRIPTION		AMPS	AMPS	AMPS		C.B.	CKT.	CKT.	C.B.		AMPS	AMPS	AMPS			NOTE
		CONN					POLES		NUM.	POLES	3 20030 -				CONN		
	PANEL RP1	155	150			225	3	1	2	3	100	(10				PANEL LP1	
	====	155		150		===	===	3	4	===	===	Λ_{-}	10		10	====	
	====	155			150	===	===	5	6	===	===			10	_10/	====	
	TRACK BUSWAY	119	119			225	3	7	8	3	400	285				PANEL DP1	
	====	119		119		===	===	9	10	===	===		285		285	====	
	====	119			119	===	===	11	12	===	===			285	285	====	
3	FACP	5	5			20	3	13	14	3	20	3			3	SQCP	
	SPACE			0		II	===	15	16	3	30		0			SPD	
	SPACE				0	==	===	17	18	===	==			0		====	
	SPACE		0			===	===	19	20	===	===	0				====	
	56	2 : AMF 4 : AMF 4 : AMF	S PHAS	SE B						AC			LOAD : MAND :	(206		
PANEL I	NOTES:																
,	REFER TO PANEL FEED																
,	REFER TO EQUIPMENT										IENTS.						
3)	FACP CIRCUIT BREAKE	R TO BE	IDENT	IFIED IN	I ACCC	RDANC	CE WITH	NEC 76	60.41(B)								

VOLTS L-I	N : 120	MAIN (OPTION	S REQ	UIRED		PAI	NEL:	DP1							ENCLOSURE DATA	
VOLTS PH	H. : 208	S.E. R	ATED :	N/A				MCB:	N/A	AMPS						NEMA: 1	
PHASE: 3	3	GFI P	ROT.:	N/A				MLO:	400	AMPS						SECTIONS: 1	
MOUNTIN	IG: SURFACE	SHUNT	TRIP:	N/A												WIDTH/SECT.: 20	
MFR : SQ). D.						PRO	VIDE	IEW P	ANEL						DEPTH: 5.75	
TYPE : NO	QOD																
		AIC RA	TING (FULLY	RATED	OR SE	RIES RA	ATED):	22	KA (MI	NIMUN	I, SEE S	PECIF	ICATIO	NS)		
NOTES	DESCRIPTION	LOAD	AMPS	AMPS	AMPS	C.B.	C.B.	CKT.	CKT.	C.B.	C.B.	AMPS	AMPS	AMPS	LOAD	DESCRIPTION	NOTE
		CONN				AMPS	POLES	NUM.	NUM.	POLES	AMPS				CONN		
D	OAS-1	42	42			50	3	1	2	3	60	51			51	AHU-1	
=	===	42		42		===	===	3	4	===	===		51		51	====	
=	===	42			42	===	===	5	6	===	===			51	51	====	
D	OAS-1 OUTSIDE UNIT	5	5			15	3	7	8	3	15	8			8	AHU-2	
=	===	5		5		===	===	9	10	===	===		8		8	====	
=	===	5			5	===	===	11	12	===	===			8	8	====	
Н	IP-1	33	33			45	3	13	14	3	45	42			42	AHU-2 HEATER	
=	===	33		33		==	===	15	16	===	===		42		42	====	
=	===	33			33	===	===	17	18	===	===			42	42	====	
Н	IP-2	18	18			30	3	19	20	3	15	8			8	AHU-3	
=	===	18		18		===	===	21	22	===	===		8		8	====	
=	===	18			18	==	===	23	24	==	===			8	8	====	
H	IP-3	18	18			30	3	25	26	3	45	42			42	AHU-3 HEATER	
=	===	18		18		===:	===	27	28	1555	===		42		42	====	
	===	18			18	===	===	29	30	===	===			42	42	====	
В	AS CONTROLLER	2	2			20	1	31	32	2	30	22			22	EWH-1	
	:F-1	1		1		20	1	33	34	===	===		22		22	====	
	F-2	1			1	20	1	35	36	1	15			4	4	HWRP-1	
	OOAS-1 DAMPER	3	3			20	1	37	38	1	20	0				SPARE	
	PARE			0		20	1	39	40	1	20		0			SPARE	
S	PARE				0	20	1	41	42	1	20			0		SPARE	
															10.0		
			0 0 140								T. 101	20111	0.45		KVA		
		1 : AMP								AC		CONN.					
) : AMP									N	EC DEN	/IAND :	285	103		
	277	2 : AMP	S PHAS	SE C													
DANIEL NI	OTEO:																
PANEL NO	<u> </u>																

VOLTS PHASE	PH. : 208 : 3	S.E. RA	ROT. :						N/A 225							NEMA: 1 SECTIONS: 1	
MOUNT	ING : SURFACE	SHUNT	TRIP:	N/A												WIDTH/SECT.: 20	
MFR : S	SQ. D.						PRO	VIDE N	IEW P	ANEL						DEPTH: 5.75	
TYPE :	NQOD																
		AIC RA	TING (FULLY	RATED	OR SE	RIES RA	ATED):	22	KA (MI	NIMUM	, SEE S	PECIFI	CATION	NS)		
NOTES	DESCRIPTION	LOAD	AMPS	AMPS	AMPS	C.B.	C.B.	CKT.	CKT.	C.B.	C.B.	AMPS	AMPS	AMPS	LOAD	DESCRIPTION	NO
		CONN				AMPS	POLES	NUM.	NUM.	POLES	AMPS				CONN		
		45	45			60	3	1	2	3	60	40			40	D	\vdash
	RM 109 LARGE FORMAT	45		45		===	===	3	4	===	===		40		40	RM 109 LARGE FORMAT	
	SOUTH PLUG-IN RACEWAY	45			45	===	===	5	6	===	===			40	40	NORTH PLUG-IN RACEWAY	
	RM 109 RECEPTACLES	3	5			20	1	7	8	1	20	8			2	RM 109 WORK STATIONS	
	RM 103C RECEPTACLES	5		8		20	1	9	10	1	20		3			RM 109 WORK STATIONS	\vdash
3	RM 103B,105,107 RECEP	5			8	20	1	11	12	1	20			5	3	RM 110 RECEPTACLES	\vdash
	EWC	1	1			20	1	13	14	1	20	3			2	RM 108 RECEPTACLES	\vdash
	RESTROOM RECEPTACLES	4		6		20	1	15	16	1	20		3		2	RM 108 GFI RECEPTACLES	\vdash
	RM 102D, 102E RECEP	4			6	20	1	17	18	1	20			11	11	RM 108 REFRIGERATOR	\vdash
	RM 102D, 102E RECEP	4	16			20	1	19	20	1	20	5			3	RM 102 WALL RECEP	
	RM 102 FURNITURE	3		12		20	1	21	22	1	20		12		3	RM 102 FURNITURE	\vdash
	RM 102 FURNITURE	4			6	20	1	23	24	1	20			6	4	RM 102 FURNITURE	\vdash
	RM 103 WORK STATIONS	3	5			20	1	25	26	1	20	8			2	RM 102 FURNITURE	T
	RM 103 WORK STATIONS	3		12		20	1	27	28	1	20		9		6	RM 103 WALL RECEPTACLE	
	RM 102C RECEPTACLES	2			3	20	1	29	30	1	20			6	4	RM 102B, 102A RECEP	
	RM 102C RECEPTACLES	2	8			20	1	31	32	1	20	5			3	RM 103A RECEPTACLES	\vdash
	RM 100, 101 RECEPTACLE	4		6		20	1	33	34	1	20		8		2	RM 103A RECEPTACLES	\vdash
	RM 101 TV RECEPTACLE	1			4	20	1	35	36	1	20			8	2	RM 102B TTB RECEP	
	WEST OUTSIDE RECEP	1	2			20	1	37	38	1	20	8			2	RM 102B RACK RECEP	
	SPARE			0		20	1	39	40	1	20		0			SPARE	1
	SPARE				0	20	1	41	42	1	20			0		SPARE	
							•							AMPS	1/1//		
	156	: AMP	S DHV S	2E A						۸۵	TUAL C	ONN I			56		
		: AMP								AC			MAND:				
		: AMP									INI	LC DEN	MAIND.	100	J 4		
	147	. AIVIE	OFIA	DL O													
PANFI	NOTES:																
	REFER TO PANEL FEEDER S	SCHEDI	JLE FO	R CON	DUCTO	R AND	CONDU	IT REO	UIREME	NTS							
,	REFER TO EQUIPMENT FEE										TS.						
,	PROVIDE GFI TYPE CIRCUIT				55110			2.,2011									
0)		J. (2) (1)															

/OLTS	L-N : 120	MAIN C	OPTION	IS REQ	UIRED		PAI	NEL:	LP1							ENCLOSURE DATA	
/OLTS	PH. : 208	S.E. R	ATED:	N/A				MCB:	N/AA	AMPS						NEMA: 1	
PHASE	: 3	GFI P	ROT.:	N/A				MLO:	100	AMPS						SECTIONS: 1	
MOUNT	ING: SURFACE	SHUNT	TRIP:	N/A												WIDTH/SECT.: 20	
MFR : S	6Q. D.															DEPTH: 5.75	
TYPE : I																	
		AIC RA	TING (FULLY	RATED	OR SE	RIES RA	ATED):	22	KA (M	NIMUM	SEE S	PECIFI	CATION	(S)		
								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				,			,		
NOTES	DESCRIPTION	LOAD	AMPS	AMPS	AMPS	C.B.	C.B.	CKT.	CKT.	C.B.	C.B.	AMPS	AMPS	AMPS	LOAD	DESCRIPTION	NOT
		CONN				AMPS	POLES	NUM.	NUM.	POLES	AMPS				CONN		
	PRINT SHOP PRODUCTION	778	6			20	1	1	2	1	20	3			389	LARGE FORMAT	
	PRINT SHOP PRODUCTION	487		4		20	1	3	4	1	20		2		195	LARGE FORMAT	
	CORRIDOR	97			1	20	1	5	6	1	20			1	99	LOBBY / CONF	
	ELEC / COMM RM	40	0			20	1	7	8	1	20	2			291	OPEN OFFICE	-
	OFFICES / RECEPTION	257		2		20	1	9	10	1	20		0		53	REST ROOMS	-
	WORK ROOM	32			0	20	1	11	12	1	20			0	10	PANEL ELP1	
	EXTERIOR LIGHTS	97	1			20	1	13	14	1	20	2			200		-
	MECH / JAN / SEC STRG	178		1		20	1	15	16	1	20		2		2	LCP	
	STORAGE RM	134			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	
	SPACE		0			===	===	31	32	===	===	0				SPACE	
	SPACE			0		===	===	33	34	===	===		0			SPACE	_
	SPACE			Ť	0	===	===	35	36	===	===		•	0		SPACE	-
	SPACE		0		Ť	===	===	37	38	===	===	0				SPACE	_
	SPACE		Ť	0		===	===	39	40	===	===	Ů	0			SPACE	_
					0	===	===	41	42	===	===		_	0			-
	SPACE				0	===	===	41	42	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				0		SPACE	
													~	AMPS)	
		: AMP								(AC	TUAL C				4)	
		: AMP								(N	EC DEM	IAND :	10	4)	
	3	: AMP	S PHAS	SE C							<u> </u>	<u> </u>	<u> </u>	<u> </u>	√		
50 PK 81-10-5	NOTES:																
1)	REFER TO PANEL FEEDER	SCHEDU	JLE FO	R CON	DUCTO	R AND	CONDU	IIT REQ	UIREME	ENTS.							

VOLTS	L-N : 120				PA	NEL:	EL1			ENCLOSURE DATA
VOLTS	PH: N/A					MCB:	30	AMPS		NEMA: 1
PHASE	: 1					MLO:	N/A	AMPS		SECTIONS: 1
MFR: M	IYERS									WIDTH/SECT.: 25
TYPE: 1	EM2S									DEPTH: 11
	AIC	RATING (FL	LLY RATE	D OR SE	ERIES R	ATED):	10	KA (MINIMUM, SEE	SPECIFICATION	S)
NOTES	DESCRIPTION	LOAD AM	PS AMPS	C.B.	C.B.	CKT.				
		CONN		AMPS	POLES	NUM.				
	INTERIOR EMERGENCY	1155 1		20	1	1				
									AMPS	VA
							I	ACTUAL CONN. LOAD	10	1155
PANEL	NOTES:									
1)	1.6 KVA EMERG. LTG. IN	VERTER WIT	H 120V INF	PUT/OU	TPUT.					
		VERTER WIT	H 120V INF	PUT/OU	TPUT.			ACTUAL CONN. LOAD	: 10	1155

		ACUITY BLUE		CLIOD					<
	-	-ROJECT IVAII	EVAUPRINI :	SHOP					<
RELAY	SWITCH	PANEL &	DESCRIPTION	CONTRO	L NOTES	DESCRIPTION	PANEL &	SWITCH	RELAY <
NO.	LEG	CIRCUIT NO.		(SEE B	ELOW)		CIRCUIT NO.	LEG	NO.
1	II	LP1-13	BUILDING EXTERIOR	b	b	BUILDING EXTERIOR	EL1-1	00	2
3	pp	LP1-14	PARKING LIGHT POLE	b		SPARE RELAY			4
5			SPARE RELAY			SPARE RELAY			6
7			SPARE RELAY			SPARE RELAY			8
4) - PRO' 5) - PRO' 6) - PRO' 7) - PRO' 7) - PRO' 6) - ONTROL 6 - CIRCL 6 - PHOTO 6 - PHOTO 6 - REFER	VIDE PROG VIDE SYST VIDE BARF VIDE DOUB NOTES: UIT CONTRO OCELL ON OCELL ON R TO RELA	RAMMED TIM EM PHOTOCE RER IN PANEL BLE POLE SING DLLED VIA DIG TIME CLOCK - PHOTOCELL Y PANEL CON	TO SEPARATE NORMALAI GLE THROW RELAYS FOR A GITAL SWITCH AND PROGR OFF PER OWNER'S DIRECTION	ERIOR SPACI THIAND CONI ND EMERGEN ALL CIRCUITS AMMED TIME ON.	ELIGHTING NECT TO F NCY CIRCU S FED BY E OF DAY	G RELAYS. RELAY PANEL PROCESSOR. UITS. 2 POLE C.B.'S 'OFF' SCHEDULE			

ADDENDUM 1 - 08/21/2019

MBRY-RIDDLE AERONAUTICAL UNIVERSITY NEW PRINT SHOP BUILDING SCHEDULES - ELECTRICAL

SALAS O'BRIEN expect a difference

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CERT. OF AUTH. NO. 6106

☐ GARY A. WILKERSON, P.E. 43167☐ KYLE J. CARTIER, P.E. 53269☐ JEFF A. KIRKMAN, P.E. 65629☐ ADAM S. LEVINE, P.E. 77010