

**GENERAL NOTES**

- COORDINATE WITH FP&L FOR INSTALLATION OF THE NEW TRANSFORMER AND THE PRIMARY CONDUITS.
- SEE SHEET E1.100A FOR SITE LIGHTING FIXTURE DETAILS.

**REFERENCE NOTES**

- INSTALL NEW SERVICE CONDUCTORS IN EXISTING SCH 40 PVC CONDUITS FROM TRANSFORMER SECONDARY TO CT CABINET. SEE PANEL FEEDER SCHEDULE ON SHEET E1.401 FOR CONDUCTOR SIZING.
- INSTALL 13INX24INX12IN FLUSH GRADE FIBER COMPOSITE PULLBOX.
- INSTALL ONE 2 INCH SCH 40 PVC CONDUITS WITH THREE #6AWG CONDUCTORS AND ONE 2 INCH SCH 40 PVC SPARE CONDUIT FROM LIGHTING CONTROL PANEL LCP1 TO THE PULLBOX.
- INSTALL ONE 2 INCH SCH 40 PVC CONDUIT WITH THREE #6AWG CONDUCTORS TO SERVICE PARKING LOT LIGHTING.
- REPLACE EXISTING PULL BOX WITH 48X48X30 INCH PULL BOX.
- INSTALL TWO 4 INCH SCH 40 PVC CONDUITS 24 INCHES BELOW GRADE.
- INSTALL ONE 4 INCH SCH 40 PVC CONDUIT FROM NEW PULL BOX INTO COMMUNICATIONS ROOM.
- PULL BACK FIBER OPTIC CABLE FROM RACK LOCATED IN FACILITIES OFFICE TO PULL BOX AND REINSTALL EXISTING CABLE IN NEW CONDUITS. CABLE TO BE PULLED AND REINSTALLED ONE AT A TIME TO ENSURE NO COMMUNICATIONS OUTAGE. RE-TERMINATE CABLES AND CONNECT TO RACK PER ERAU STRUCTURED WIRING SPECIFICATIONS.
- ABANDON CONDUIT, CUT AND CAP CONDUIT BELOW GRADE AT EACH END.
- PULL BACK FIBER OPTIC AND FIRE ALARM CABLE FROM FACILITIES WAREHOUSE TO FACILITIES OFFICE BUILDING. FUSE THE 2 INCH CONDUIT FROM THE WARE HOUSE TO THE 2 INCH CONDUIT FROM THE OFFICE BUILDING AND REMOVE THE PULL BOX. RE-PULL AND RE-TERMINATE THE EXISTING FIBER OPTIC AND FIRE ALARM CABLE PER ERAU STRUCTURED WIRING SPECIFICATIONS.
- INSTALL ONE 4 INCH SCH 40 PVC CONDUIT FROM PULL BOX TO MAIN ELECTRICAL ROOM. STUB CONDUIT UP ADJACENT TO TTB.

**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. CARTER, P.E. 63089  
 JEFF A. KIRKMAN, P.E. 65629  
 ADAM S. LEVINE, P.E. 77010  
 19035

**HOUSEMAN ARCHITECTURE**  
 831 S. SEMORAN BLVD. #204B WINTER PARK, FL 32792  
 321-972-8446 A0017845  
 ALL IDEAS, DESIGN, AND DETAILS REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF HOUSEMAN ARCHITECTURE, LLC AND WILL BE PROTECTED BY PATENT AND COPYRIGHT. NO PART OF THIS DRAWING OR ANY INFORMATION HEREON IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF HOUSEMAN ARCHITECTURE, LLC.

REVISION	DATE
1	01/03/2020
2	01/15/2020

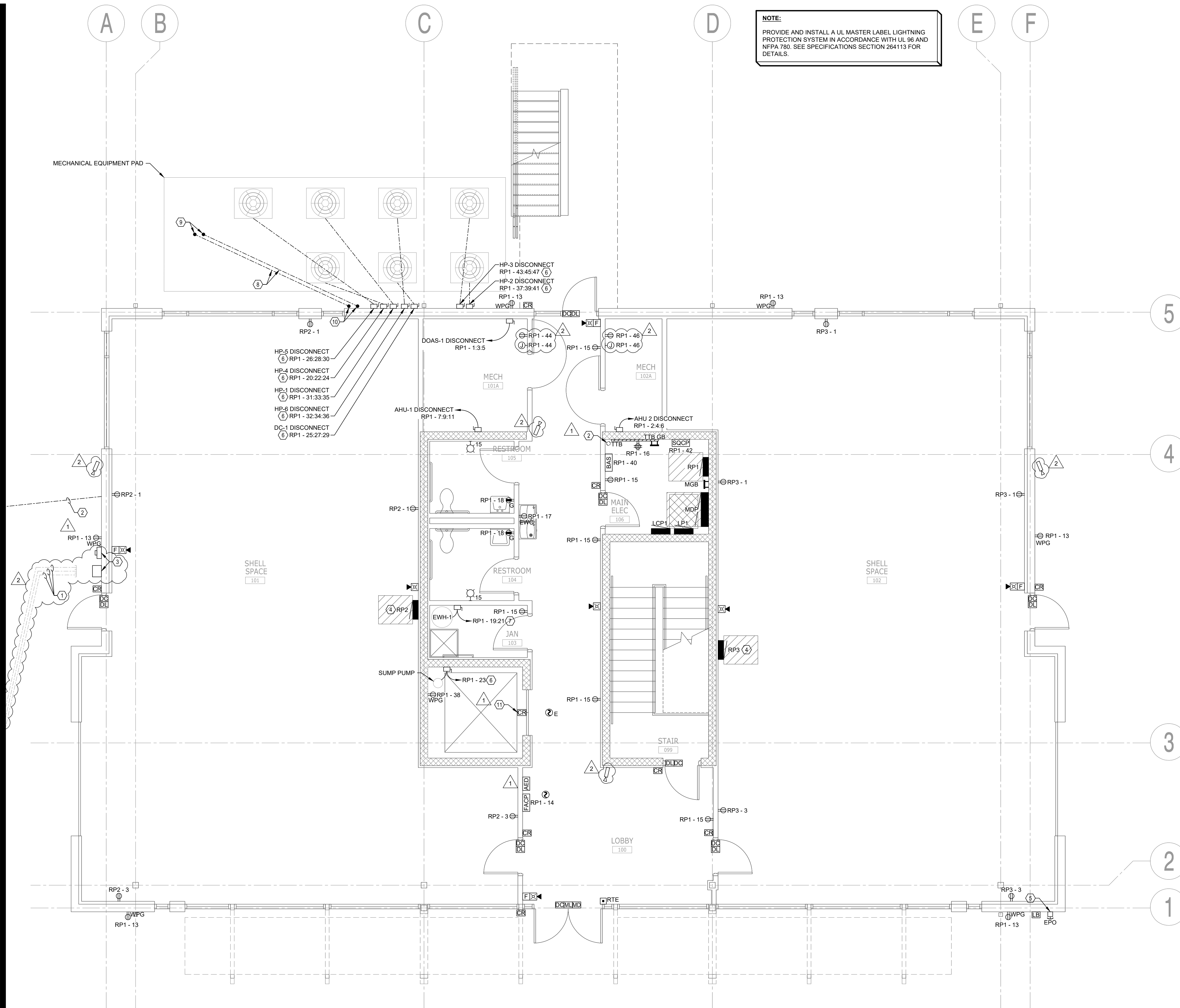
**ADDENDUM 2 - 01/15/2020**

**SITE PLAN - ELECTRICAL**

**ERAU PRODUCTION BUILDING**  
 EMBRY-RIDDLE AERONAUTICAL UNIVERSITY, DAYTONA BEACH, FLORIDA

Date: 12/20/2019  
 Job no.: 2019-5743  
 Sheet no.: **E1.100**

DRAWN: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_



**NOTE:**  
 PROVIDE AND INSTALL A UL MASTER LABEL LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH UL 98 AND NFPA 780. SEE SPECIFICATIONS SECTION 284113 FOR DETAILS.

**GENERAL NOTES**

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 INSTALL ONE 4 INCH CONDUIT FROM THE COMMUNICATIONS PULL BOX TO THE TT.
- 3 INSTALL CT CABINET AND METER BASE. SEE DETAIL 4 ON SHEET E1.501 FOR DETAILS.
- 4 INSTALL A 24 INCH X 6 INCH X 6 INCH NEMA 1 WIREWAY ABOVE THE PANEL USING THREE 3 INCH CONDUIT NIPPLES.
- 5 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".
- 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.
- 7 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.
- 9 STUB UP AND CAP CONDUIT FLUSH WITH EQUIPMENT PAD SURFACE.
- 10 STUB UP AND CAP CONDUIT 6 INCHES ABOVE GRADE.
- 11 COORDINATE WITH ELEVATOR VENDOR FOR INTEGRATION OF ACCESS CONTROLS.

**SALAS O'BRIEN**  
 expect a difference  
 3501 Quadrangle Boulevard, Suite 100  
 Orlando, Florida 32817  
 (407) 350-6400  
 CERT. OF AUTH. NO. 6196  
 GARY A. WILKERSON, P.E. 43167  
 KYLE J. CARTER, P.E. 63089  
 JEFF A. KIRKMAN, P.E. 65629  
 ADAM S. LEVINE, P.E. 77010  
 19035

**HOUSEMAN ARCHITECTURE**  
 831 S. SEMOR BLVD. #2048 WINTER PARK, FL 32792  
 321-972-8446 AR0017845  
 ALL IDEAS, DESIGN, AND DETAILS REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF HOUSEMAN ARCHITECTURE, LLC AND WILL BE PROTECTED BY PATENT AND COPYRIGHT LAW. NO PART OF THIS DRAWING OR ANY INFORMATION CONTAINED HEREIN IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF HOUSEMAN ARCHITECTURE, LLC.

REVISION	DATE	DRAWN	CHECKED
1	01/03/2020		
2	01/15/2020		

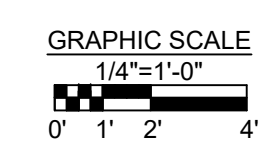
**ADDENDUM 2 - 01/15/2020**

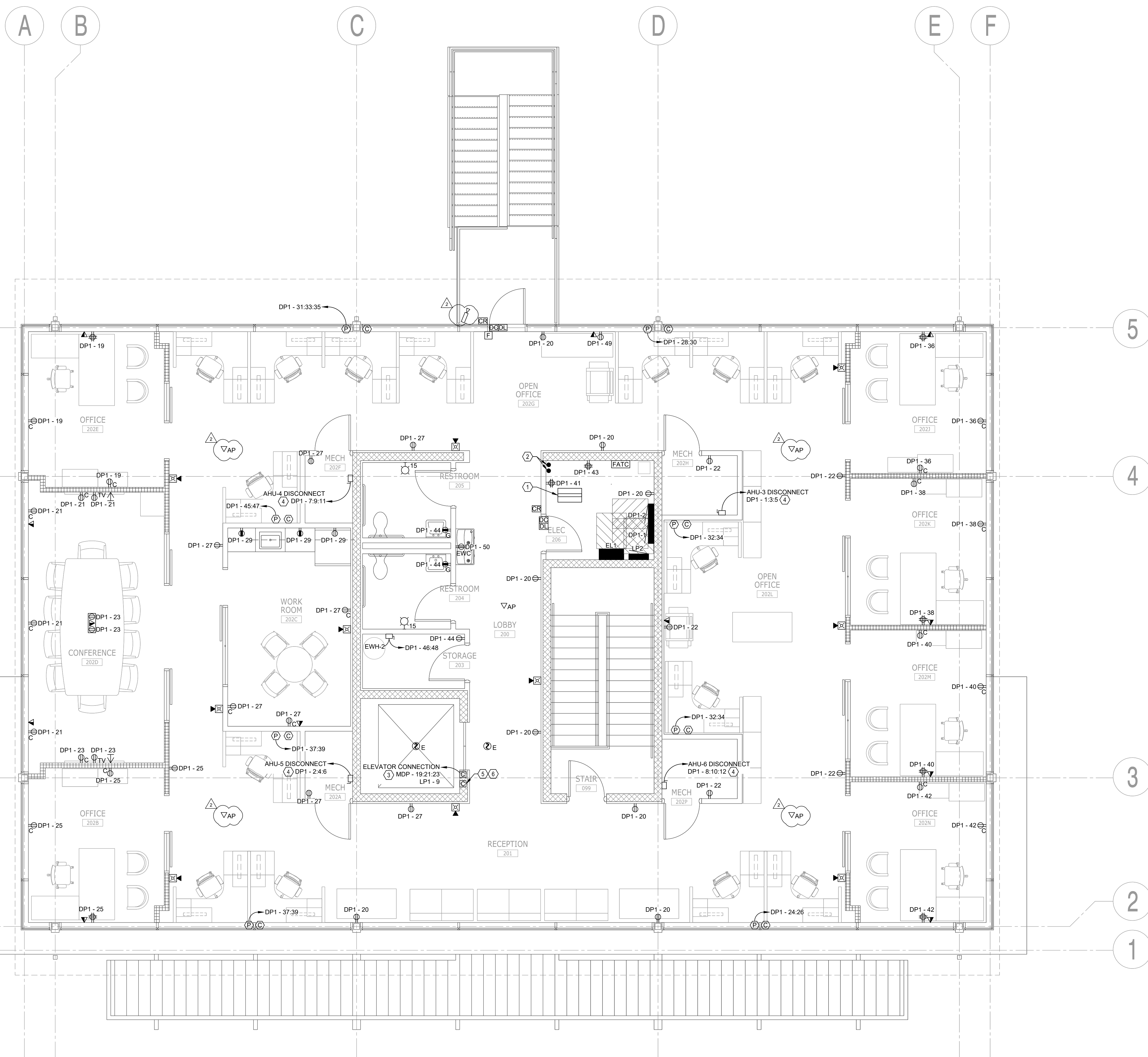
**FLOOR PLAN - FIRST FLOOR - PWR & SYSTEMS**

**ERAU PRODUCTION BUILDING**  
 EMBRY-RIDDLE AERONAUTICAL UNIVERSITY, DAYTONA BEACH, FLORIDA

Date: 12/20/2019  
 Job no.: 2019-5743  
 Sheet no.: **E1.101**

**1 FLOOR PLAN - FIRST FLOOR - POWER AND SYSTEMS**  
 1/4"=1'-0"





**GENERAL NOTES**

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**

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

**SALAS O'BRIEN**  
Expect a difference  
3501 Quadrangle Boulevard, Suite 100  
Orlando, Florida 32817  
(407) 350-0400  
CERT. OF AUTH. NO. 6196

**HOUSEMAN ARCHITECTURE**  
831 S. SEMORAN BLVD. #204B WINTER PARK, FL 32792  
321-972-8446 A00017845

REVISION	DATE	DRAWN	CHECKED
ADDENDUM 2	01/15/2020		

**ADDENDUM 2 - 01/15/2020**

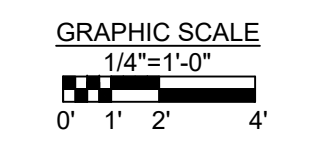
**FLOOR PLAN - SECOND FL - PWR & SYSTEMS**

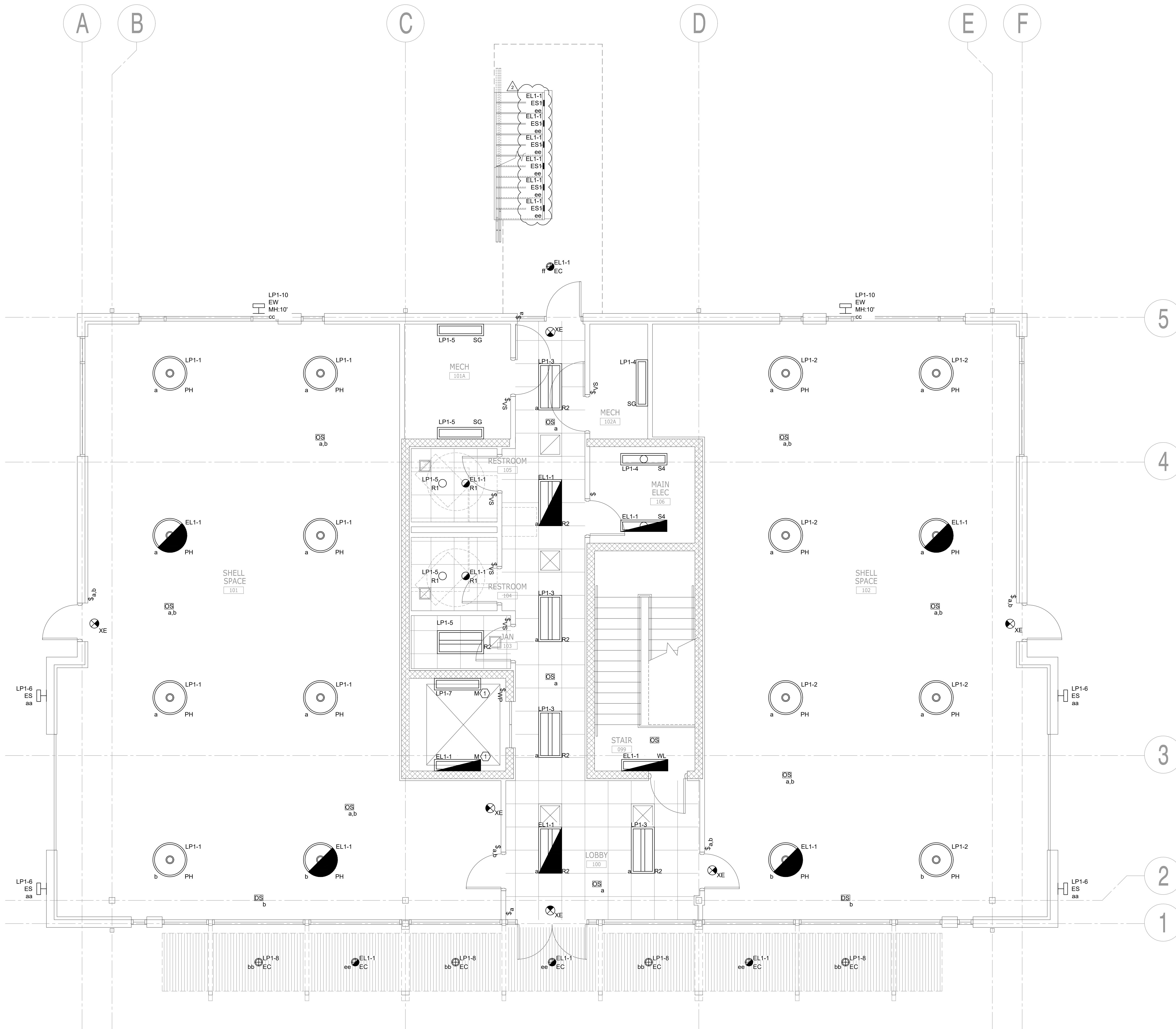
**ERAU PRODUCTION BUILDING**  
EMBRY-RIDDLE AERONAUTICAL UNIVERSITY, DAYTONA BEACH, FLORIDA

Date: 12/20/2019  
Job no.: 2019-5743

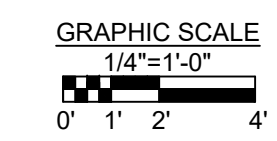
Sheet no.: **E1.102**

**FLOOR PLAN - SECOND FLOOR - POWER AND SYSTEMS**  
E1.102 1/4"=1'-0"





1 FLOOR PLAN - FIRST FLOOR - LIGHTING  
1/4"=1'-0"



**GENERAL NOTES**

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**

1. INSTALL VAPOR-TIGHT FIXTURES IN ELEVATOR PIT

3501 Quadrangle Boulevard, Suite 100  
Orlando, Florida 32817  
(407) 350-6400  
CERT. OF AUTH. NO. 6196

GARY A. WILKERSON, P.E. 43167  
 KYLE J. CARTER, P.E. 53089  
 JEFF A. KIRKMAN, P.E. 65629  
 ADAM S. LEVINE, P.E. 77010

19035

831 S. SEMORAN BLVD. #204B WINTER PARK, FL 32792  
321-972-8446 AR0017845

ALL IDEAS, DESIGN, AND DETAILS REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF HOUSEMAN ARCHITECTURE, LLC AND WILL BE CREDITED TO HOUSEMAN ARCHITECTURE, LLC. NO PART OF THIS DRAWING, DESIGN, OR DETAILS SHALL BE USED BY OR ASSOCIATED TO ANYONE FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF HOUSEMAN ARCHITECTURE, LLC.

REVISION	DATE	DRAWN	CHECKED
ADDENDUM 2	01/15/2020		

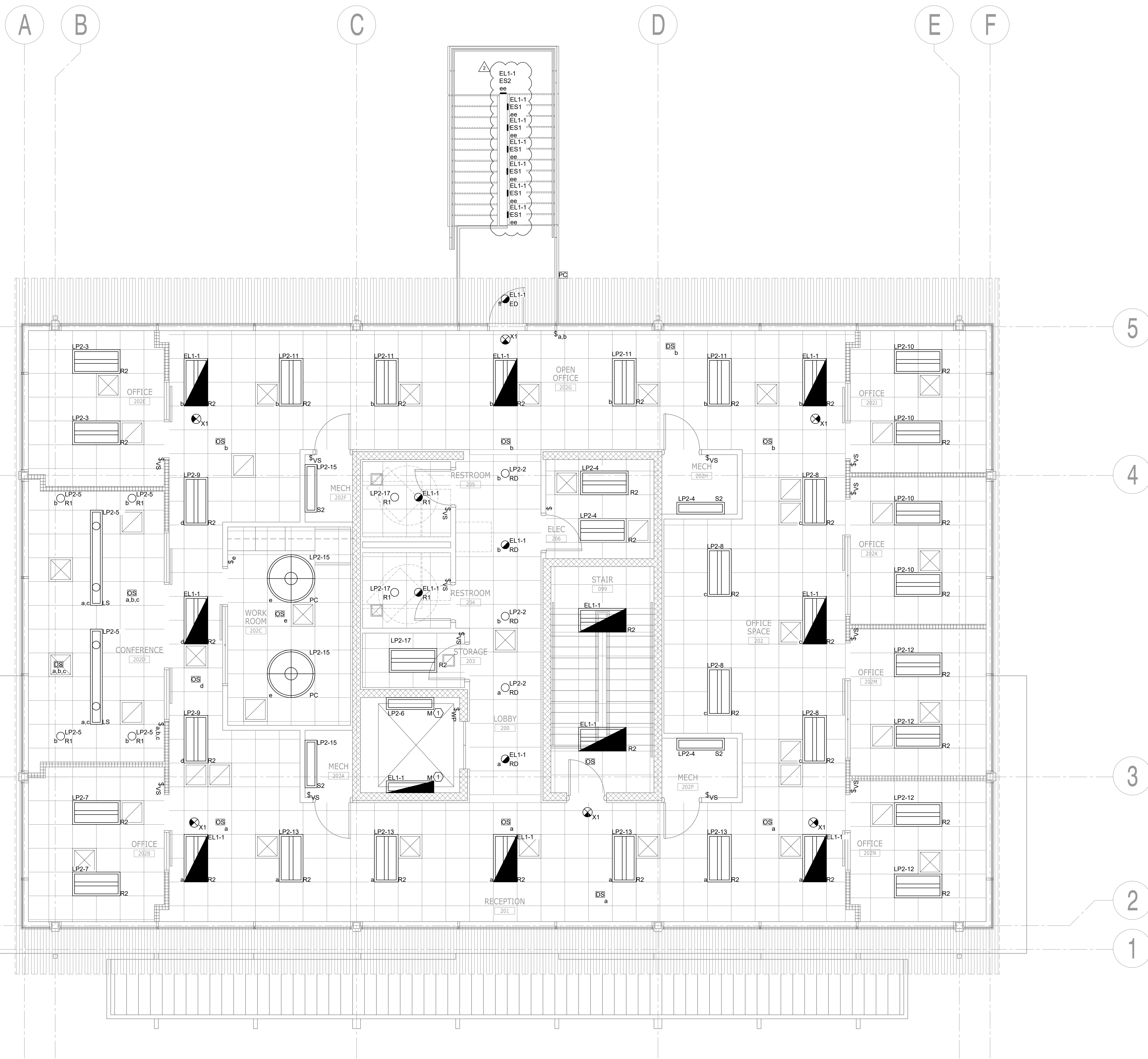
ADDENDUM 2 - 01/15/2020

FLOOR PLAN - FIRST FLOOR - LIGHTING

ERAU PRODUCTION BUILDING  
EMBRY-RIDDLE AERONAUTICAL UNIVERSITY, DAYTONA BEACH, FLORIDA

Date: 12/20/2019  
Job no.: 2019-5743

Sheet no.: E1.201



- GENERAL NOTES**
- ALL 120VAC NORMAL POWER LIGHTING CIRCUITS ARE FED FROM PANEL LP2.
  - ALL 120VAC EMERGENCY/LIFE SAFETY LIGHTING CIRCUITS ARE FED FROM EM LIGHTING INVERTER PANEL EL1.
  - 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**
- INSTALL VAPOR-TIGHT FIXTURES IN ELEVATOR HOISTWAY

**SALAS O'BRIEN**  
[expect a difference]  
3501 Quadrangle Boulevard, Suite 100  
Orlando, Florida 32817  
(407) 350-6400  
CERT. OF AUTH. NO. 6106  
GARY A. WILKERSON, P.E. 43167  
KYLE J. CARTER, P.E. 63089  
JEFF A. KIRKMAN, P.E. 65629  
ADAM S. LEVINE, P.E. 77010  
19035

**HOUSEMAN ARCHITECTURE**  
531 S. SEMORAN BLVD. #204B WINTER PARK, FL 32792  
321-972-8446 AR0017845  
ALL IDEAS, DESIGN, AND DETAILS REPRESENTED BY THIS DRAWING ARE OWNED BY AND THE PROPERTY OF HOUSEMAN ARCHITECTURE, LLC AND WILL BE CREDITED WITH THE SPECIFIED PROJECT NAME OF THE IDEAS, DESIGN, OR DETAILS SHALL BE USED BY OR ASSOCIATED TO ANYONE FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF HOUSEMAN ARCHITECTURE, LLC.

REVISION	DATE	CHECKED
ADDENDUM 2	01/15/2020	
		DRAWN
		CHECKED

ADDENDUM 2 - 01/15/2020

**FLOOR PLAN - SECOND FL - LIGHTING**  
ERAU PRODUCTION BUILDING  
EMBRY-RIDDLE AERONAUTICAL UNIVERSITY, DAYTONA BEACH, FLORIDA

Date	12/20/2019
Job no.	2019-5743
Sheet no.	E1.202

**FLOOR PLAN - SECOND FLOOR - LIGHTING**  
1/4"=1'-0"

