



MDAD AA005A

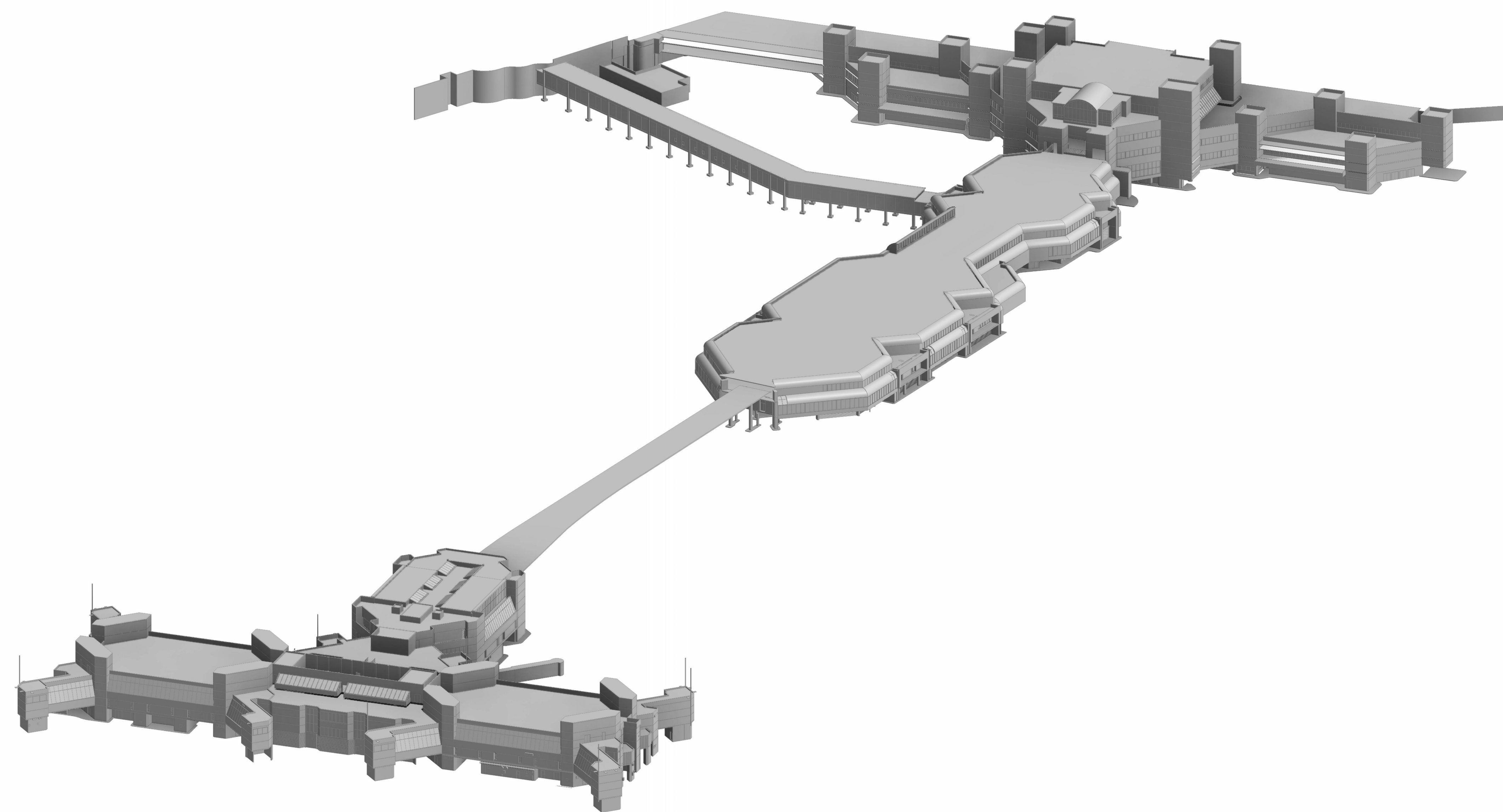
1 - 'CC E & SATELLITE E' & 'D TO E CONNECTOR' - STUCCO AND PAINTING.

2 - CAMERAS, DOOR FRAMES HARDWARE AND ACCESS CONTROL AT 'SATELLITE E' AND 'LOWER E'.

3 - 'SATELLITE E' A-VDGS.

4 - NEW LIGHTNING PROTECTION SYSTEM AT 'SATELLITE E' & 'LOWER E'.

MIAMI INTERNATIONAL AIRPORT - MIAMI, FLORIDA



PROJECT MANAGEMENT AND ARCHITECTURE  
6303 Blue Lagoon Drive, Suite 310, Miami, Florida 33126  
Project Representative : Abdel F. Martel  
P: 786.877.8392 E: contact@mobiioarchitecture.com  
MOBIO Project No. 18-007-020  
www.mobiioarchitecture.com  
License No. AA 26002724



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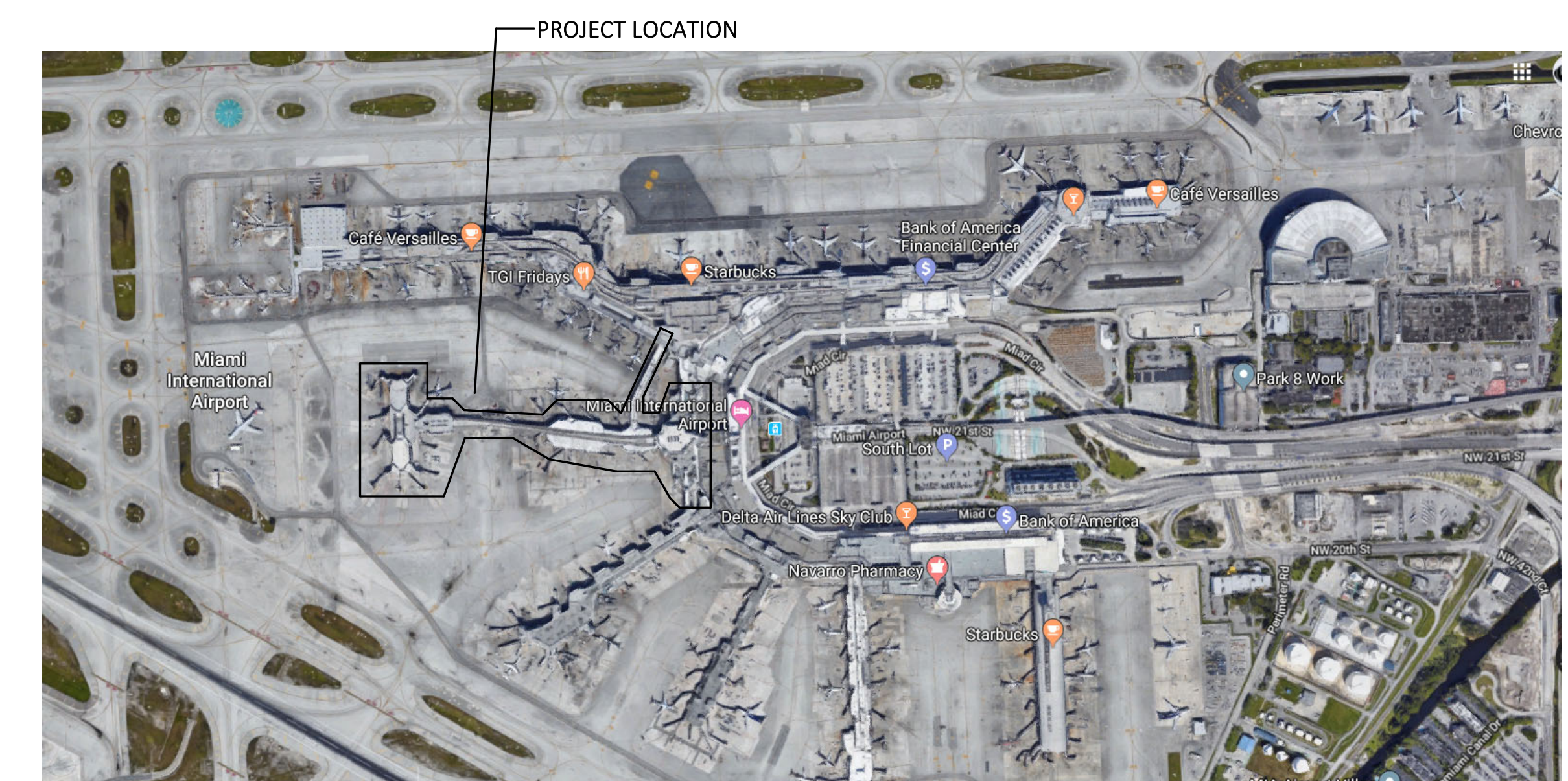
ELECTRICAL AND LIGHTNING PROTECTION  
LOUIS J. AGUIRRE & ASSOCIATES, P.A.

9150 South Dadeland Blvd., Suite 900  
Miami, Florida 33156



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7200 NW 19th Street, Suite 305  
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MIAMI-DADE COUNTY, FLORIDA  
(Partial Map)

LOCATION MAP

PHASE 3C  
BULLETIN 002  
SUBMITTAL - SEPTEMBER 09, 2022







MIAMI-DADE AVIATION DEPARTMENT  
MIAMI INTERNATIONAL AIRPORT

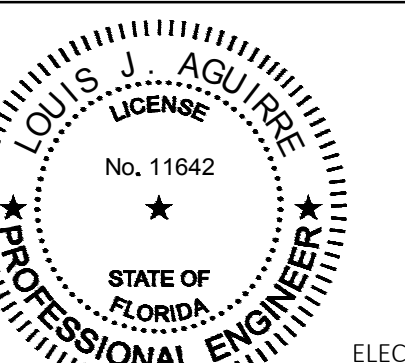
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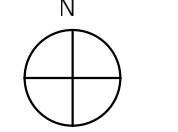
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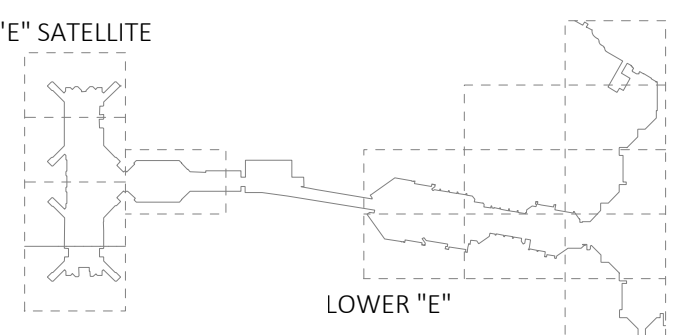
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KEY PLAN



No.	Description	Date
2	BULLETIN 002	09.09.22

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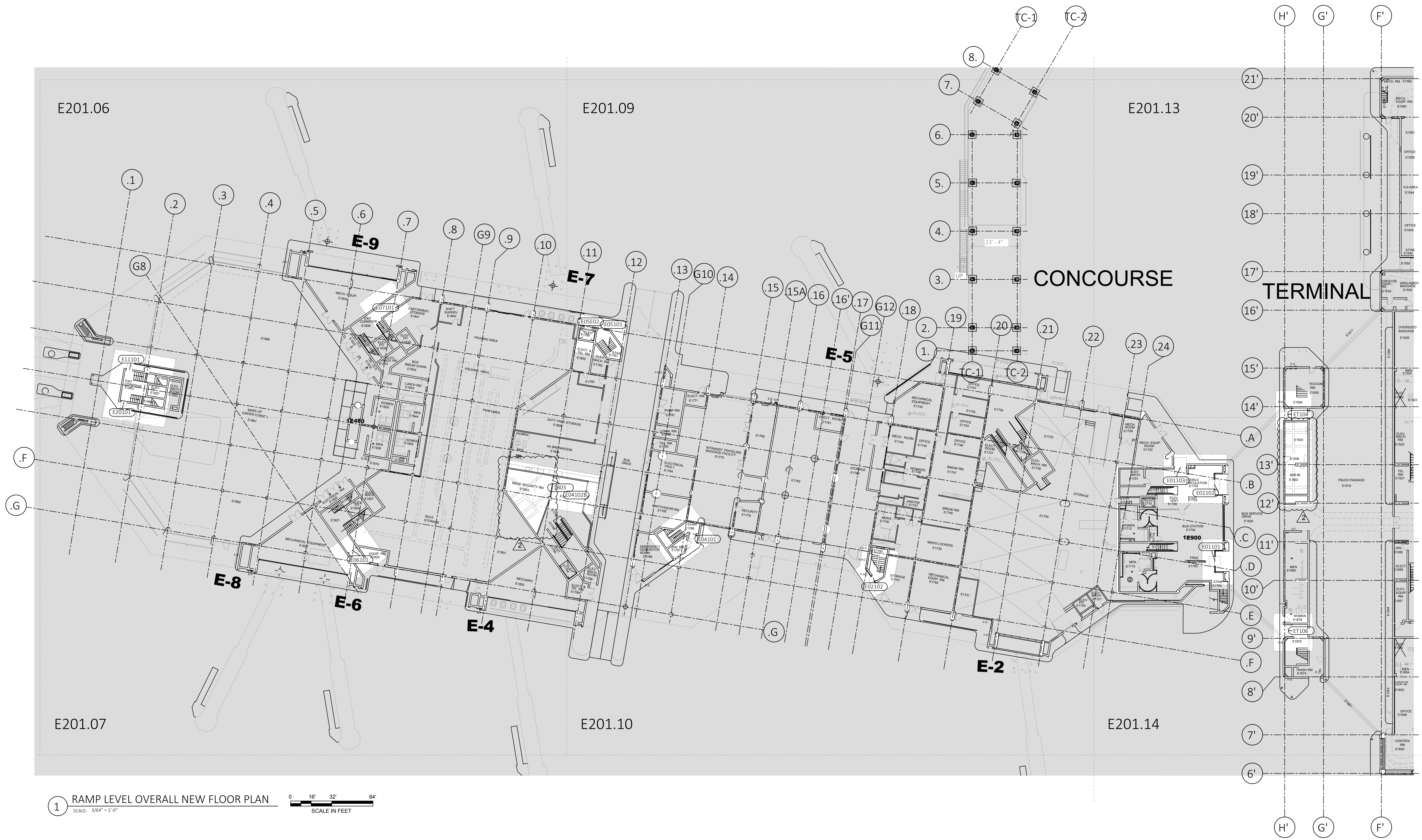
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Date:	OCTOBER 15, 2020
MOBIO project No:	18-007-20
Scale:	AS NOTED
Drawn by:	JP
Checked by:	RS/JP
Approved by:	LIA
Title	

**2 - OVERALL NEW FLOOR PLAN RAMP LEVEL**

To the best of my knowledge and ability these plans comply with the minimum standards of the Florida Building Code 6th Edition (2017)

E201.00

PHASE 3C  
100% COMPLETE CONTRACT DOCUMENTS FOR PERMIT FOR CONSTRUCTION



1 RAMP LEVEL OVERALL NEW FLOOR PLAN  
SCALE: 3/64" = 1'-0"  
0 16' 32' 64'  
SCALE IN FEET



MIAMI-DADE AVIATION DEPARTMENT  
MIAMI INTERNATIONAL AIRPORT

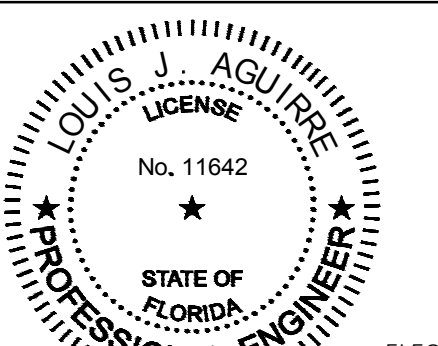
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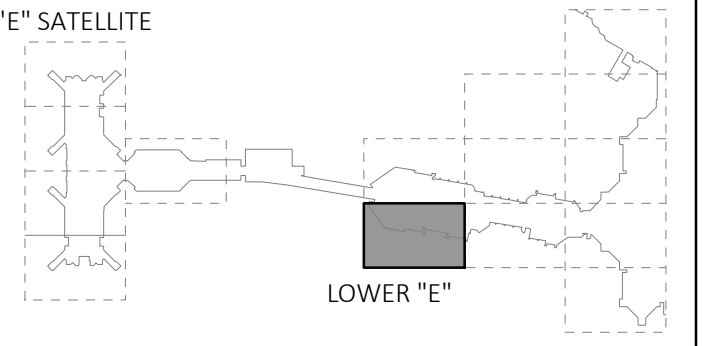
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KEY PLAN



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2	BULLETIN 002	09.09.22

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Checked by: RS/JP  
Approved by: LIA  
Title

**2 - LOWER "E" RAMP LEVEL  
PARTIAL NEW FLOOR PLAN  
SECTOR 7 - ELECTRICAL**

To the best of my knowledge and ability these plans comply with the minimum standards of the Florida Building Code 6th Edition (2017)

E201.07

PHASE 3C  
100% COMPLETE CONTRACT DOCUMENTS FOR PERMIT FOR CONSTRUCTION



**1 RAMP LEVEL PARTIAL NEW FLOOR PLAN - SECTOR 7 - ELECTRICAL**  
SCALE: 3/8" = 1'-0"  
SCALE IN FEET

- KEY NOTES :**
- CONNECT TO EXISTING EMERGENCY CIRCUIT PREVIOUSLY SERVING THIS RELOCATED NEW OMRON LOCATION. CONTRACTOR SHALL EXTEND CIRCUIT FROM EXISTING LOCATION TO NEW LOCATION.
  - CONTRACTOR SHALL PROVIDE NEW OMRON CONTROLLER, PROVIDE ALL CONDUITS, WIRING, AND DEVICES AS REQUIRED. REFER TO DETAIL SHEET E720 FOR FURTHER INFORMATION.
  - CONTRACTOR SHALL PROVIDE NEW OMRON CONTROLLER BEHIND NEW JETWAY WOODEN DOOR. COORDINATE LOCATION WITH A/E PRIOR TO INSTALLATION.
  - CONTRACTOR SHALL PROVIDE NEW EMERGENCY CIRCUIT AS SHOWN.
  - CONTRACTOR SHALL CONNECT NEW CCTV AND INTERCOM TO EXISTING ELEVATOR AND BUSTATION OMRON CONTROLLER AS SHOWN. PROVIDE ALL NECESSARY CONNECTIONS FOR A FULLY FUNCTIONAL SYSTEM.

NOTE: ALL KEYED NOTES MIGHT NOT BE SHOWN OR USED ON EACH SHEET



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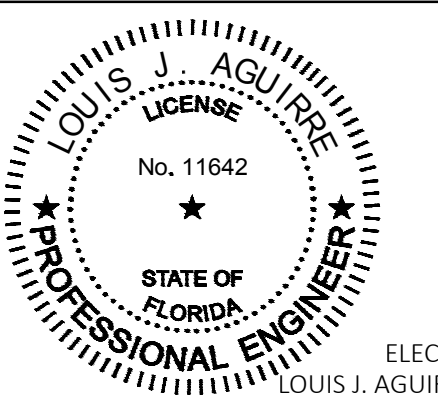
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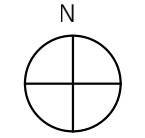
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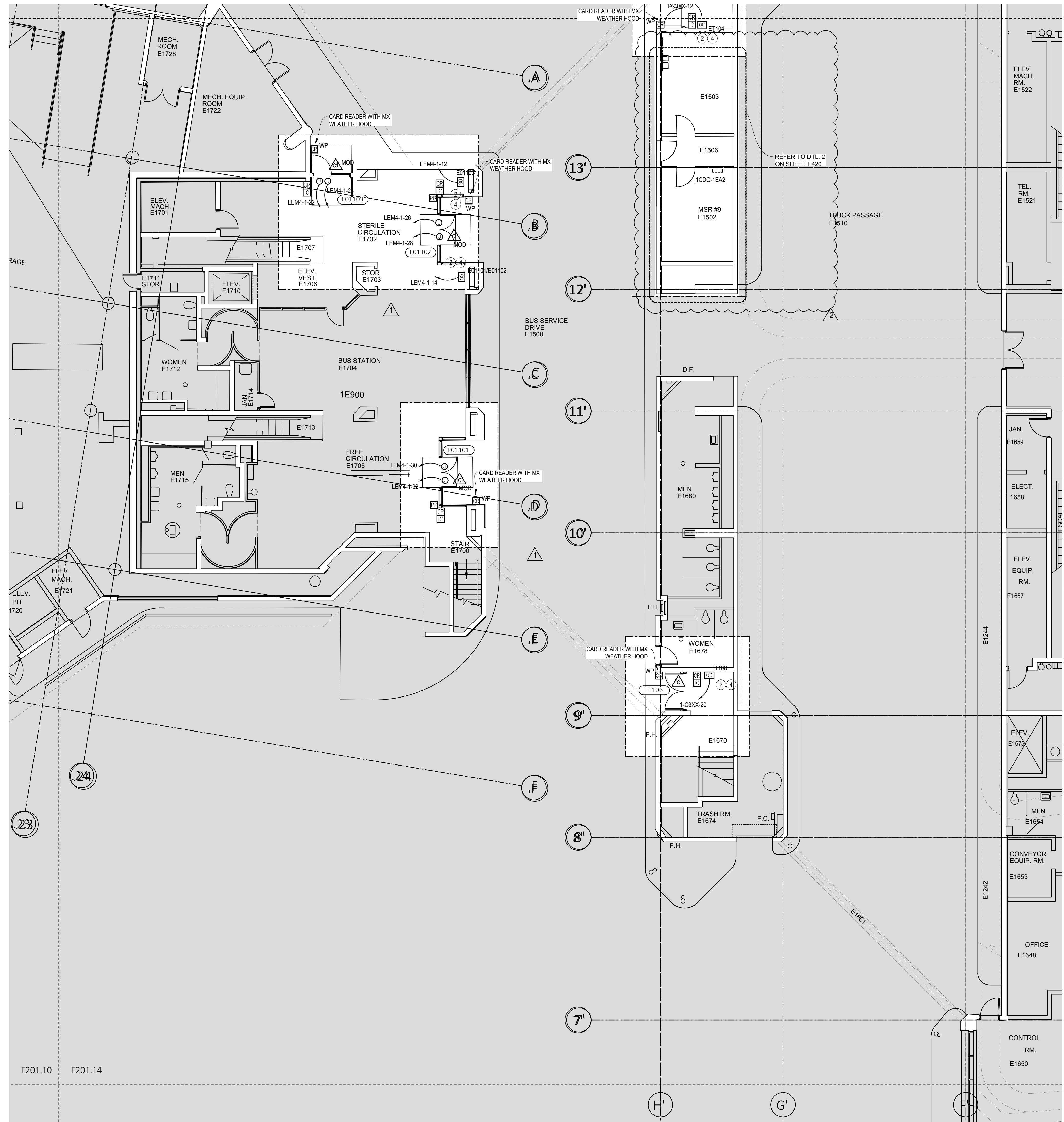
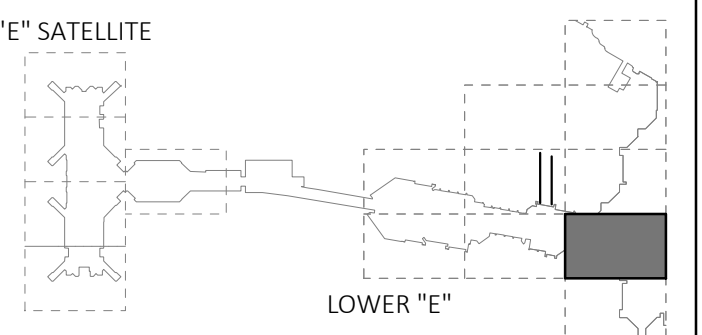
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Project No.: 30051

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KEY PLAN



1 RAMP LEVEL PARTIAL NEW FLOOR PLAN - SECTOR 14 - ELECTRICAL  
SCALE: 1/8" = 1'-0"  
0 4' 8' 16'  
SCALE IN FEET

**KEY NOTES :**

- CONNECT TO EXISTING EMERGENCY CIRCUIT PREVIOUSLY SERVING THIS RELOCATED NEW OMRON LOCATION. CONTRACTOR SHALL EXTEND CIRCUIT FROM EXISTING LOCATION TO NEW LOCATION.
- CONTRACTOR SHALL PROVIDE NEW OMRON CONTROLLER, PROVIDE ALL CONDUITS, WIRING, AND DEVICES AS REQUIRED. REFER TO DETAIL SHEET E720 FOR FURTHER INFORMATION.
- CONTRACTOR SHALL PROVIDE NEW OMRON CONTROLLER BEHIND NEW JETWAY WOODEN DOOR. COORDINATE LOCATION WITH A/E PRIOR TO INSTALLATION.
- CONTRACTOR SHALL PROVIDE NEW EMERGENCY CIRCUIT AS SHOWN.
- CONTRACTOR SHALL CONNECT NEW CCTV AND INTERCOM TO EXISTING ELEVATOR AND BUSTATION OMRON CONTROLLER AS SHOWN. PROVIDE ALL NECESSARY CONNECTIONS FOR A FULLY FUNCTIONAL SYSTEM.

NOTE: ALL KEYED NOTES MIGHT NOT BE SHOWN OR USED ON EACH SHEET

No.	Description	Date
1	BLDG DEPT COMMENT	12.11.20
2	BULLETIN 002	09.09.22

Revisions  
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- 'CC E & SATELLITE E' & 'D TO E CONNECTOR' - STUCCO AND PAINTING.
- CAMERAS, DOOR FRAMES HARDWARE AND ACCESS CONTROL AT 'SATELLITE E' AND 'LOWER E'.
- 'SATELLITE E' A-VDGS.
- NEW LIGHTNING PROTECTION SYSTEM AT 'SATELLITE E' & 'LOWER E'.

Sheet information  
Date: OCTOBER 15, 2020  
MOBIO project No: 18-007-20  
Scale: AS NOTED  
Drawn by: JP  
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Approved by: LIA  
Title

2 - CONCOURSE "E"  
RAMP LEVEL  
PARTIAL NEW FLOOR PLAN  
SECTOR 14 - ELECTRICAL

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Sheet

E201.14

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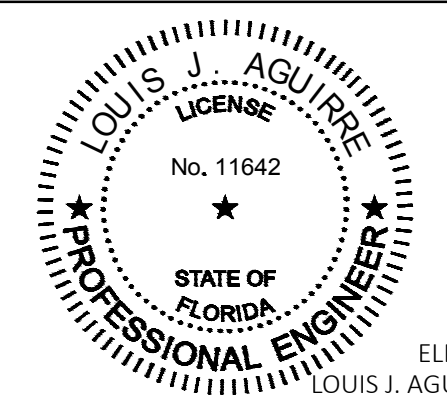
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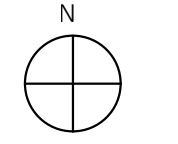
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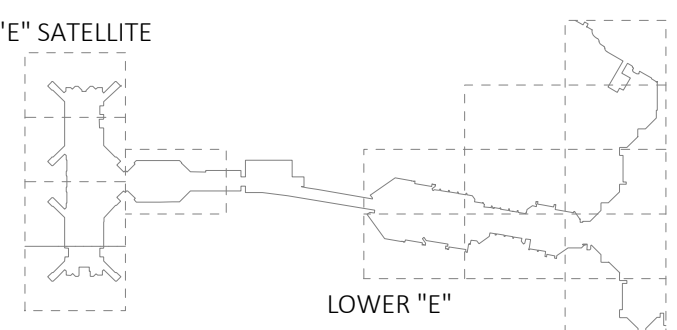
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LOUIS J. AGUIRRE & ASSOCIATES, P.A.  
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KEY PLAN



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2	BULLETIN 002	09.09.22

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- 4 - NEW LIGHTNING PROTECTION SYSTEM AT 'SATELLITE E' & 'LOWER E'.

Sheet information

Date: OCTOBER 15, 2020  
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Title

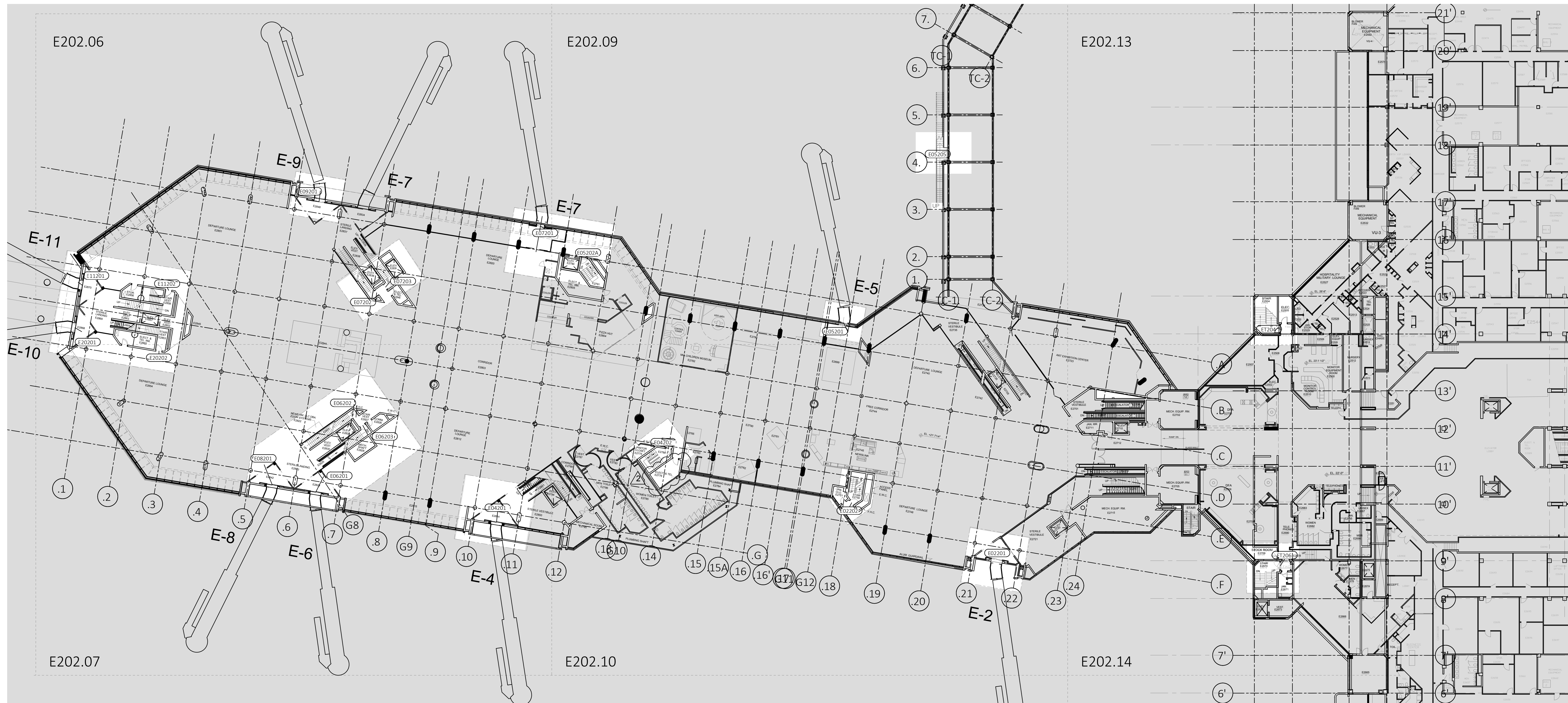
**2 - OVERALL NEW FLOOR PLAN  
SECOND LEVEL**

To the best of my knowledge and ability these plans comply with the minimum standards of the Florida Building Code 6th Edition (2017)

Sheet

**E202.00**

PHASE 3C  
100% COMPLETE CONTRACT DOCUMENTS FOR PERMIT FOR CONSTRUCTION



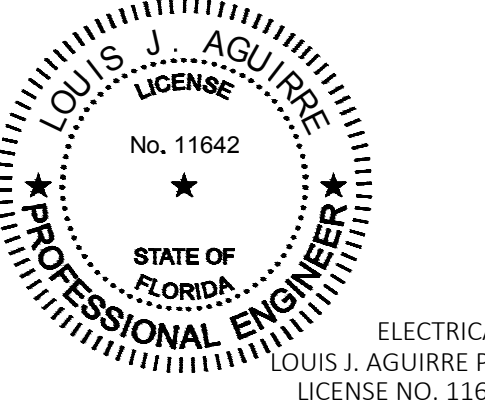
**1 SECOND LEVEL OVERALL NEW FLOOR PLAN**  
SCALE: 1" = 25'-0"  
SCALE IN FEET



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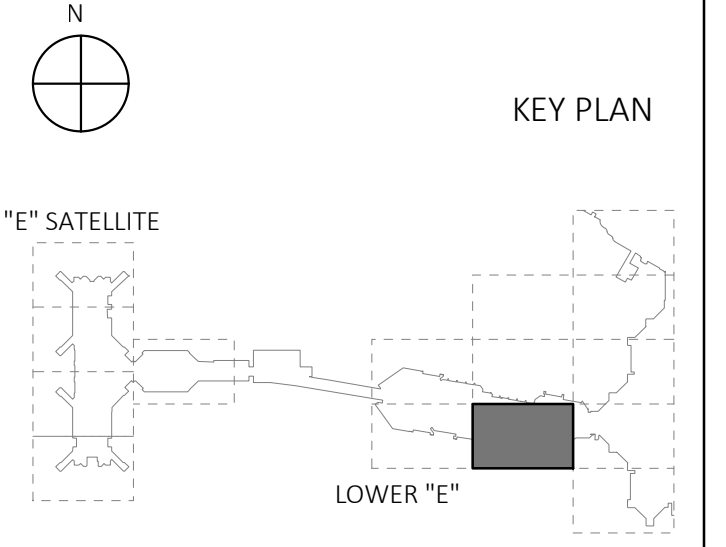
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Approved by: LIA  
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**2 - LOWER "E" SECOND LEVEL PARTIAL NEW FLOOR PLAN SECTOR 10 - ELECTRICAL**

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E202.10

PHASE 3C  
100% COMPLETE CONTRACT DOCUMENTS FOR PERMIT FOR CONSTRUCTION

**1** SECOND LEVEL PARTIAL NEW FLOOR PLAN - SECTOR 10 - ELECTRICAL  
SCALE: 1/8" = 1'-0"  
SCALE IN FEET

- KEY NOTES :**
1. CONNECT TO EXISTING EMERGENCY CIRCUIT PREVIOUSLY SERVING THIS RELOCATED NEW OMRON LOCATION. CONTRACTOR SHALL EXTEND CIRCUIT FROM EXISTING LOCATION TO NEW LOCATION.
  2. CONTRACTOR SHALL PROVIDE NEW OMRON CONTROLLER, PROVIDE ALL CONDUITS, WIRING, AND DEVICES AS REQUIRED. REFER TO DETAIL SHEET E720 FOR FURTHER INFORMATION.
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MIAMI INTERNATIONAL AIRPORT

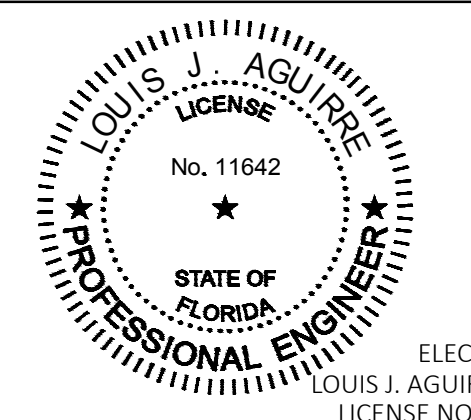
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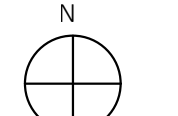
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KEY PLAN

"E" SATELLITE

LOWER "E"

No.	Description	Date
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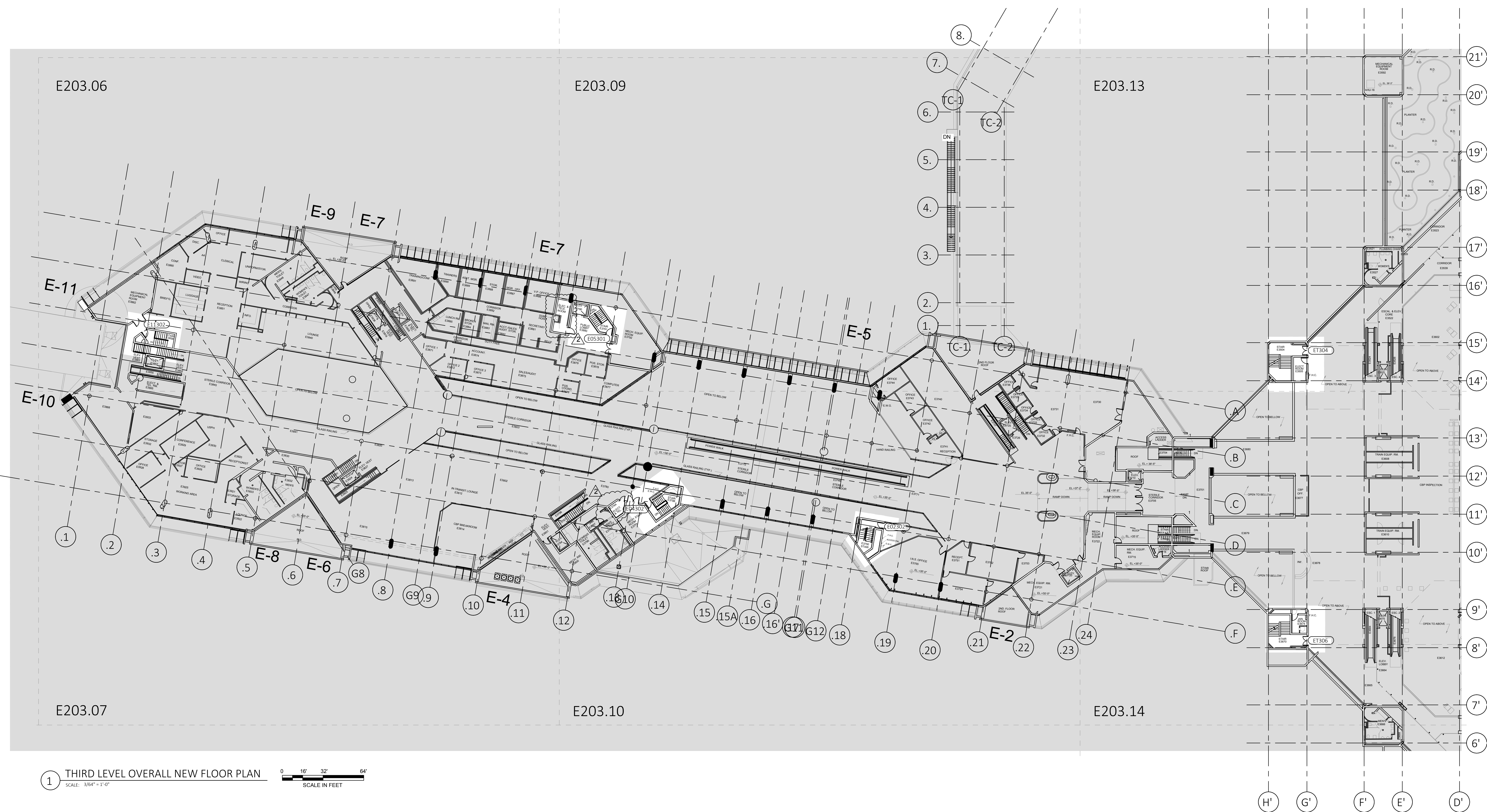
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**2 - OVERALL NEW FLOOR PLAN  
THIRD LEVEL**

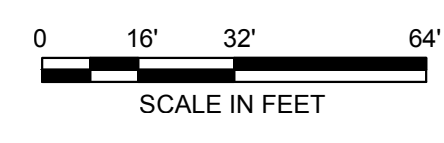
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**1** THIRD LEVEL OVERALL NEW FLOOR PLAN  
SCALE: 3/64" = 1'-0"





1 THIRD LEVEL PARTIAL NEW FLOOR PLAN - SECTOR 9 - ELECTRICAL  
 SCALE: 1/8" = 1'-0"  
 0 4' 8' 16'  
 SCALE IN FEET

- KEY NOTES :**
- CONNECT TO EXISTING EMERGENCY CIRCUIT PREVIOUSLY SERVING THIS RELOCATED NEW OMRON LOCATION. CONTRACTOR SHALL EXTEND CIRCUIT FROM EXISTING LOCATION TO NEW LOCATION.
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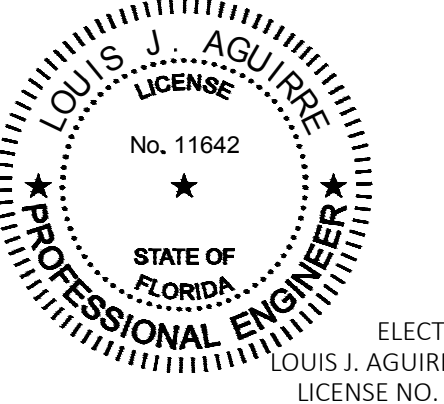
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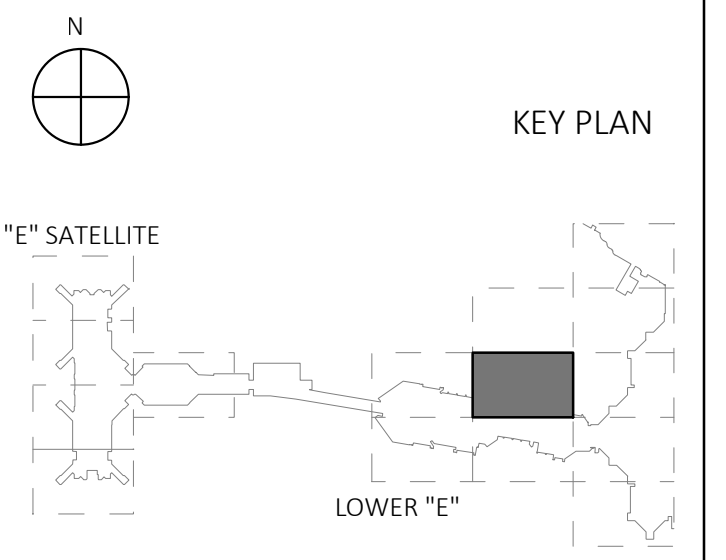
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2 - LOWER "E" THIRD LEVEL PARTIAL NEW FLOOR PLAN SECTOR 9 - ELECTRICAL

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E203.09

PHASE 3C  
 100% COMPLETE CONTRACT DOCUMENTS FOR PERMIT FOR CONSTRUCTION



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MIAMI INTERNATIONAL AIRPORT

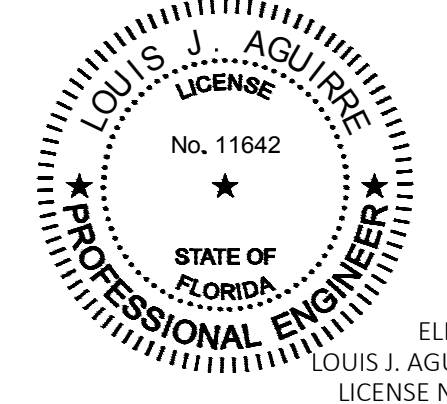
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786-376-1232

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AA 26002724



ELECTRICAL:  
LOUIS J. AGUIRRE P.E.  
LICENSE NO. 11642



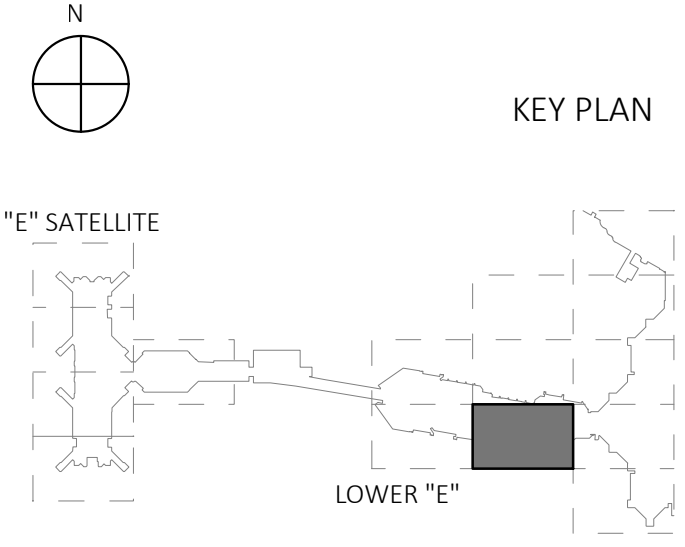
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ELECTRICAL AND LIGHTNING PROTECTION  
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Miami, Florida 33156  
Project No.: 30053

SECURITY CONSULTING SERVICES  
ROSS & BARUZZINI, INC.  
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Miami, Florida 33126

**Ross & Baruzzini**



No.	Description	Date
2	BULLETIN 002	09.09.22

Revisions  
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- 1 - 'CC E & SATELLITE E' & 'D TO E CONNECTOR' - STUCCO AND PAINTING.
- 2 - CAMERAS, DOOR FRAMES HARDWARE AND ACCESS CONTROL AT 'SATELLITE E' AND 'LOWER E'.
- 3 - 'SATELLITE E' A-VDGS.
- 4 - NEW LIGHTNING PROTECTION SYSTEM AT 'SATELLITE E' & 'LOWER E'.

Sheet information  
Date: OCTOBER 15, 2020  
MOBIO project No: 18-007-20  
Scale: AS NOTED  
Drawn by: JP  
Checked by: RS/JP  
Approved by: LIA  
Title

**2 - LOWER "E" THIRD LEVEL PARTIAL NEW FLOOR PLAN SECTOR 10 - ELECTRICAL**

To the best of my knowledge and ability these plans comply with the minimum standards of the Florida Building Code 6th Edition (2017)

E203.10

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**1** THIRD LEVEL PARTIAL NEW FLOOR PLAN - SECTOR 10 - ELECTRICAL  
SCALE: 1/8" = 1'-0"  
SCALE IN FEET

- KEY NOTES :**
1. CONNECT TO EXISTING EMERGENCY CIRCUIT PREVIOUSLY SERVING THIS RELOCATED NEW OMRON LOCATION. CONTRACTOR SHALL EXTEND CIRCUIT FROM EXISTING LOCATION TO NEW LOCATION.
  2. CONTRACTOR SHALL PROVIDE NEW OMRON CONTROLLER, PROVIDE ALL CONDUITS, WIRING, AND DEVICES AS REQUIRED. REFER TO DETAIL SHEET E720 FOR FURTHER INFORMATION.
  3. CONTRACTOR SHALL PROVIDE NEW OMRON CONTROLLER BEHIND NEW JETWAY WOODEN DOOR. COORDINATE LOCATION WITH A/E PRIOR TO INSTALLATION.
  4. CONTRACTOR SHALL PROVIDE NEW EMERGENCY CIRCUIT AS SHOWN.
  5. CONTRACTOR SHALL CONNECT NEW CCTV AND INTERCOM TO EXISTING ELEVATOR AND BUSTATION OMRON CONTROLLER AS SHOWN. PROVIDE ALL NECESSARY CONNECTIONS FOR A FULLY FUNCTIONAL SYSTEM.

NOTE: ALL KEYED NOTES MIGHT NOT BE SHOWN OR USED ON EACH SHEET



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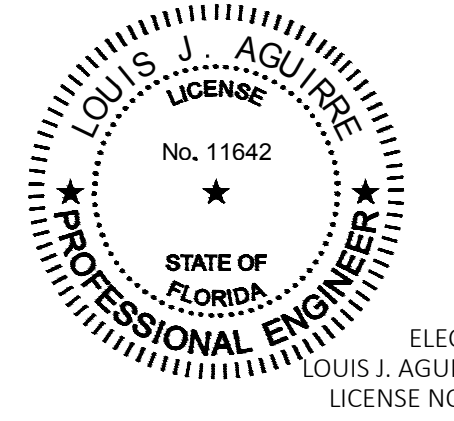
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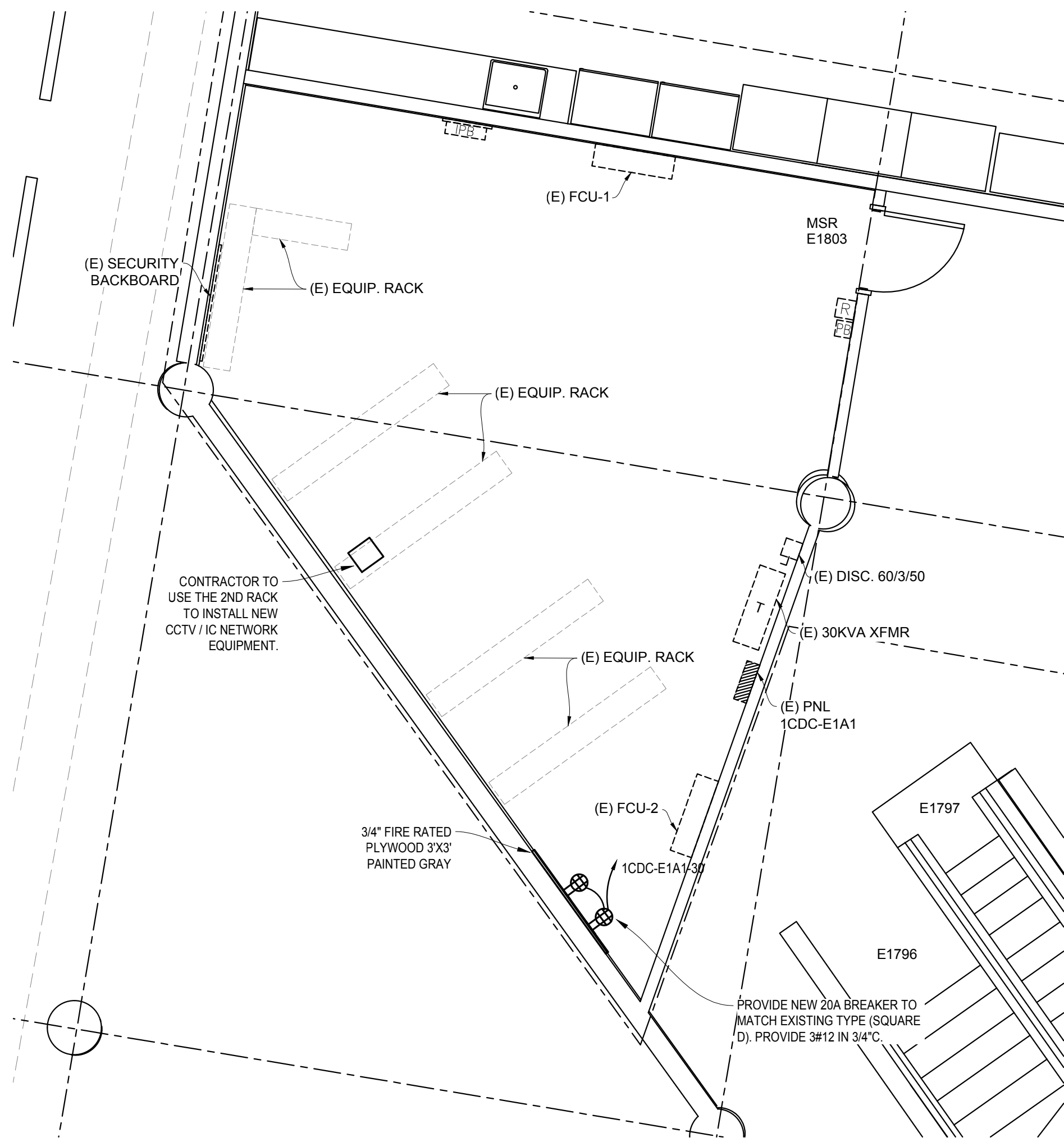
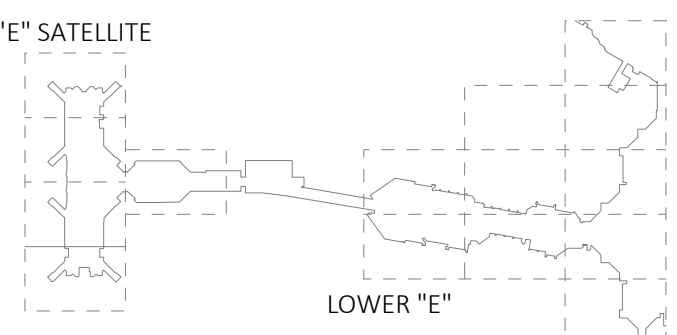
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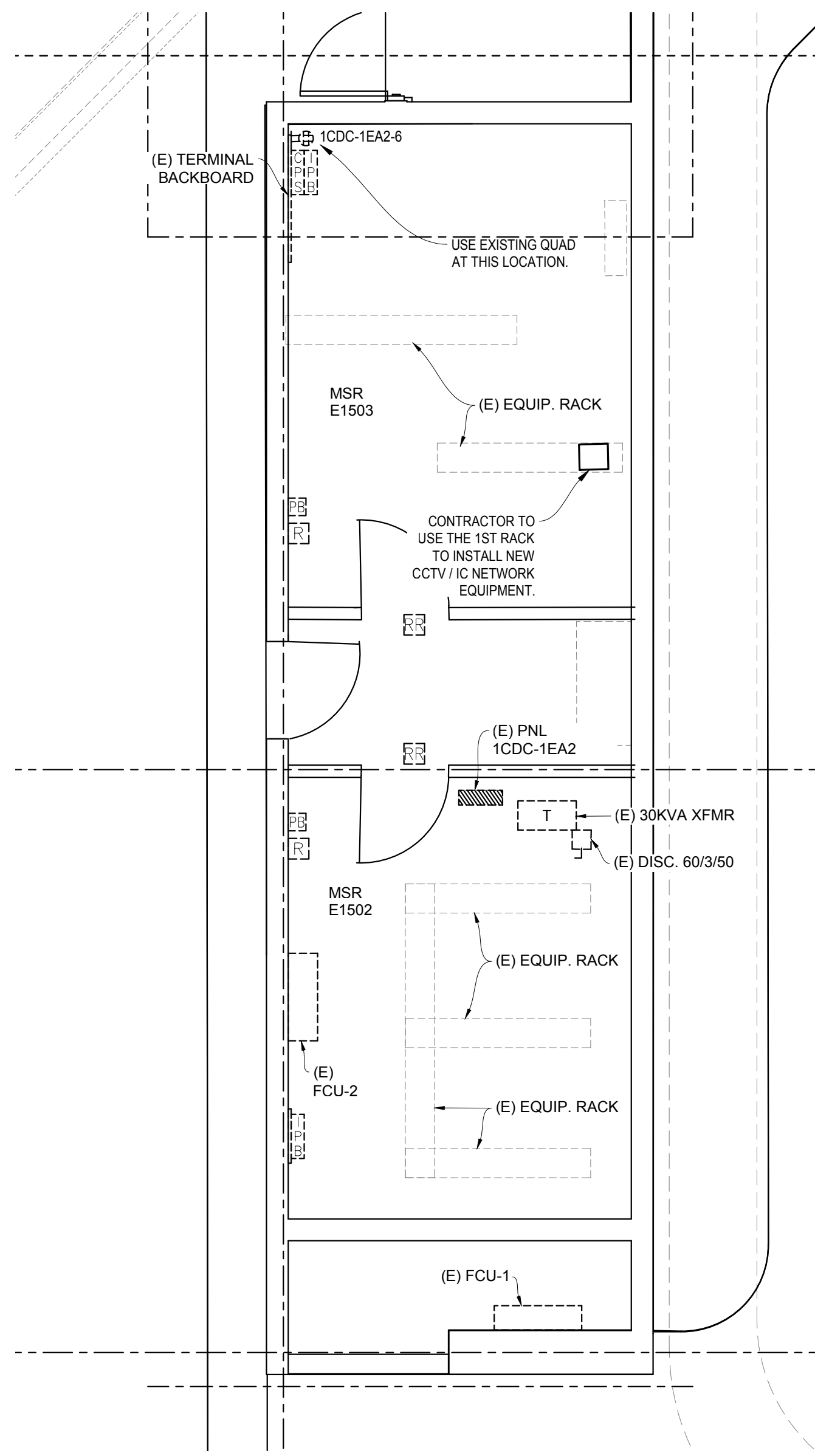
**Ross & Baruzzini**



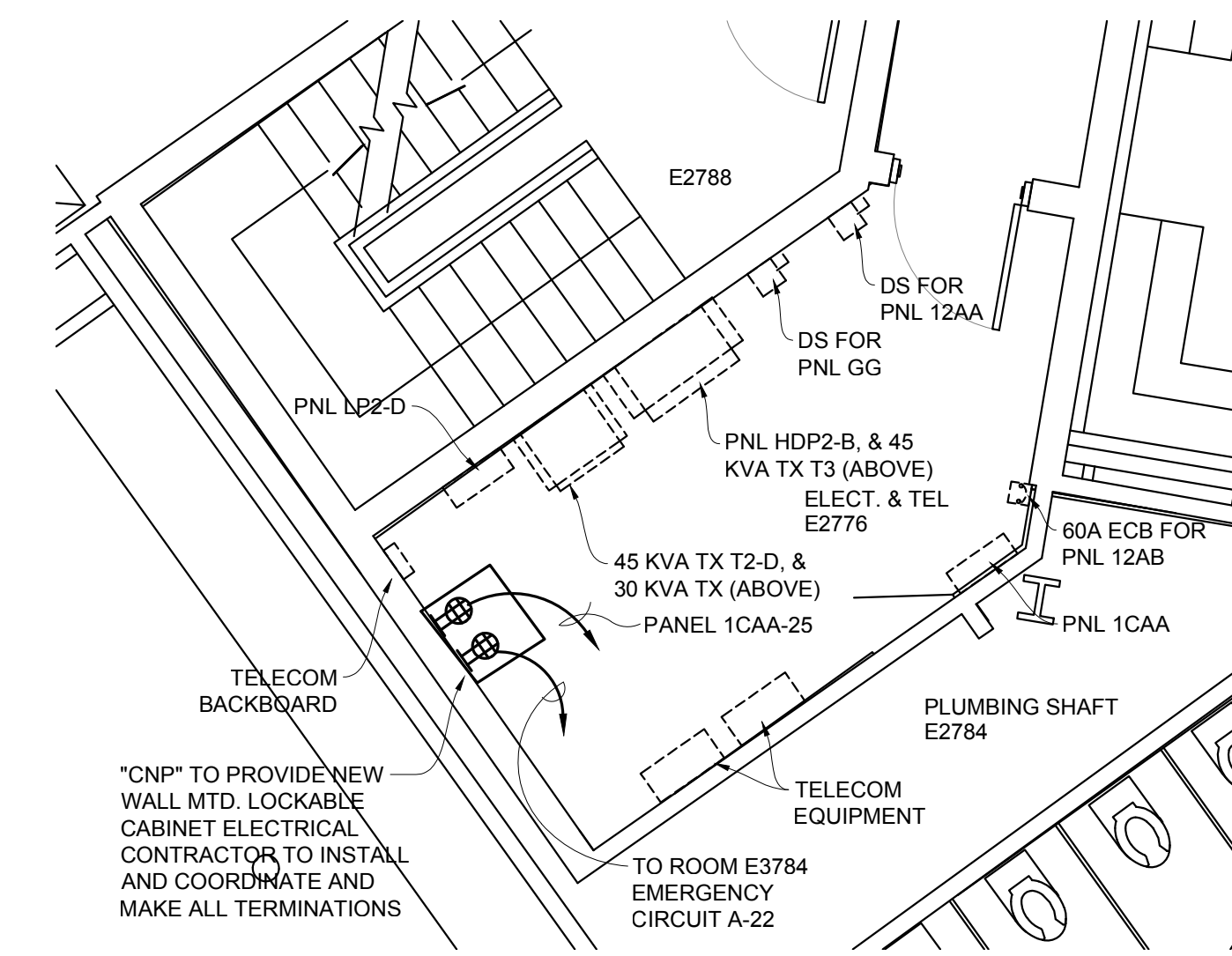
KEY PLAN



1 EXISTING MSR ROOM E1803  
SCALE: 1/4" = 1'-0"



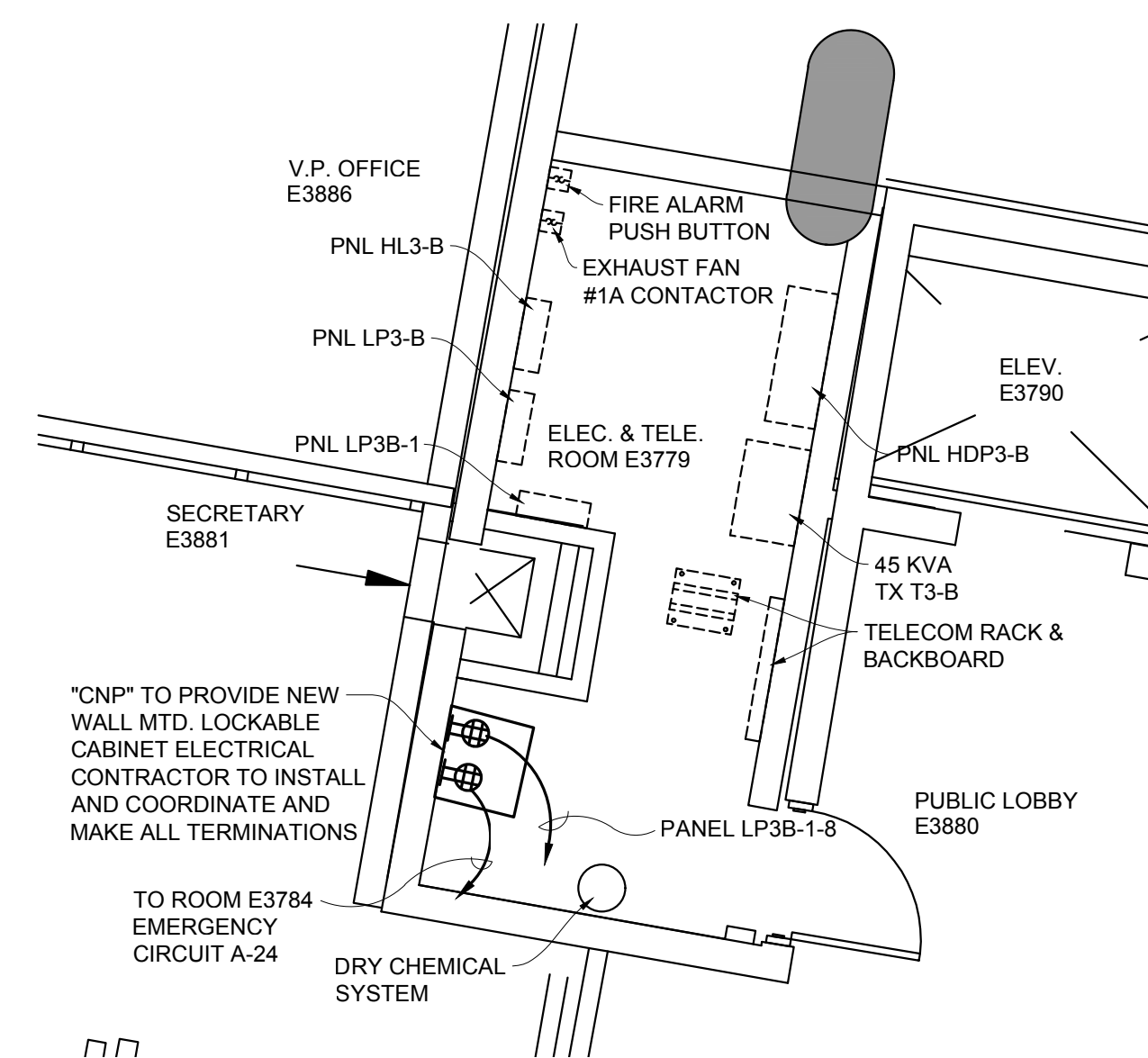
2 EXISTING MSR ROOM E1502 / E1503  
SCALE: 1/4" = 1'-0"



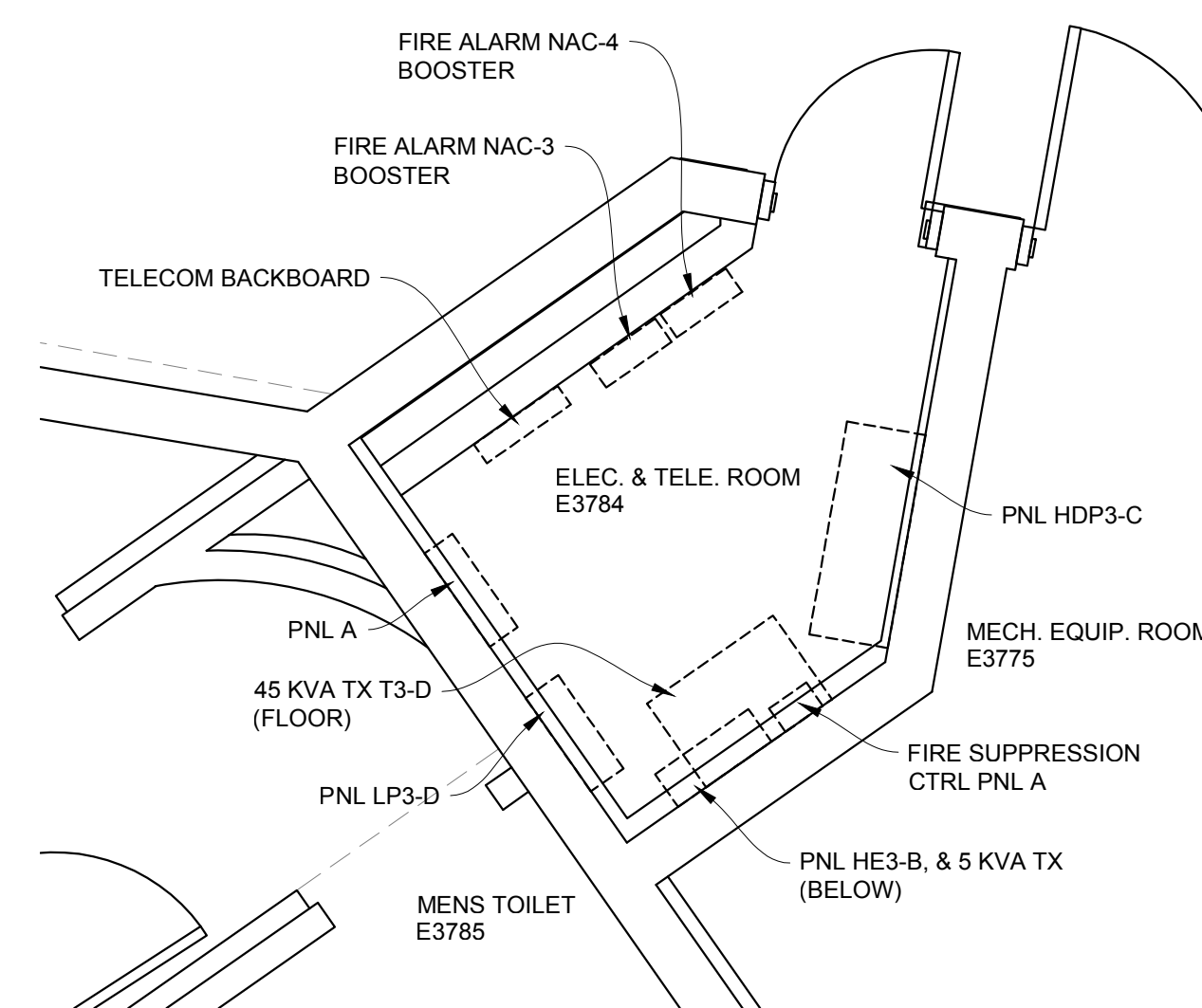
3 ELECT / TELECOM. ROOM E2776  
SCALE: 1/4" = 1'-0"

**NOTES:**

- CONTRACTOR SHALL CONSOLIDATE ALL CONDUITS AND WIRE OUTSIDE IN 12"x12" J-BOX TO (3) 4" CONDUITS PRIOR TO ENTERING MSR ROOM.
- CONTRACTOR SHALL COORDINATE WITH MDAD PRIOR TO ANY WALL PENETRATIONS. ALL PENETRATIONS AND CONDUITS MUST BE FIRE RATED AND GROUNDED.
- CONTRACTOR SHALL LEAVE MINIMUM OF 25' SLACK OF FIBER IN EACH ROOM.



4 ELECT / TELECOM. ROOM E3779  
SCALE: 1/4" = 1'-0"



5 ELECT / TELECOM. ROOM E3784  
SCALE: 3/8" = 1'-0"

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2 - ENLARGED FLOOR PLANS  
ELECTRICAL

To the best of my knowledge and ability these plans comply with the minimum standards of the Florida Building Code 6th Edition (2017)

Sheet

E420

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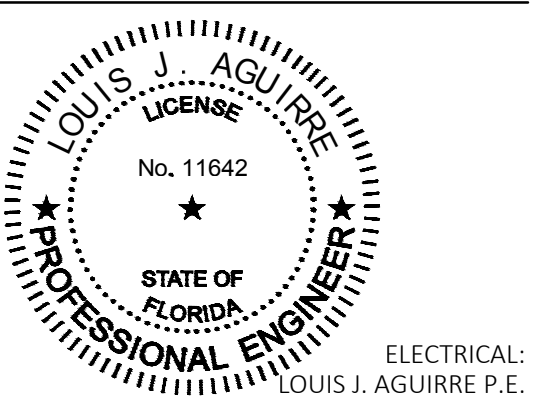
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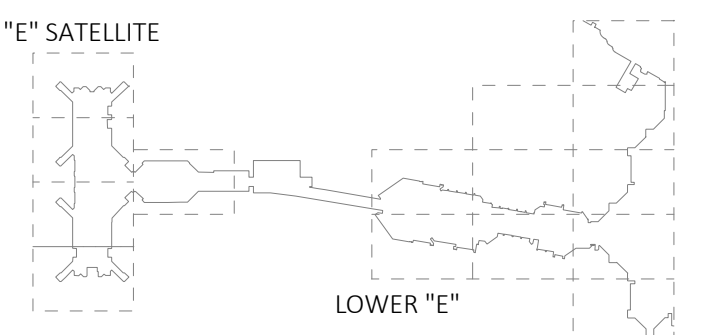
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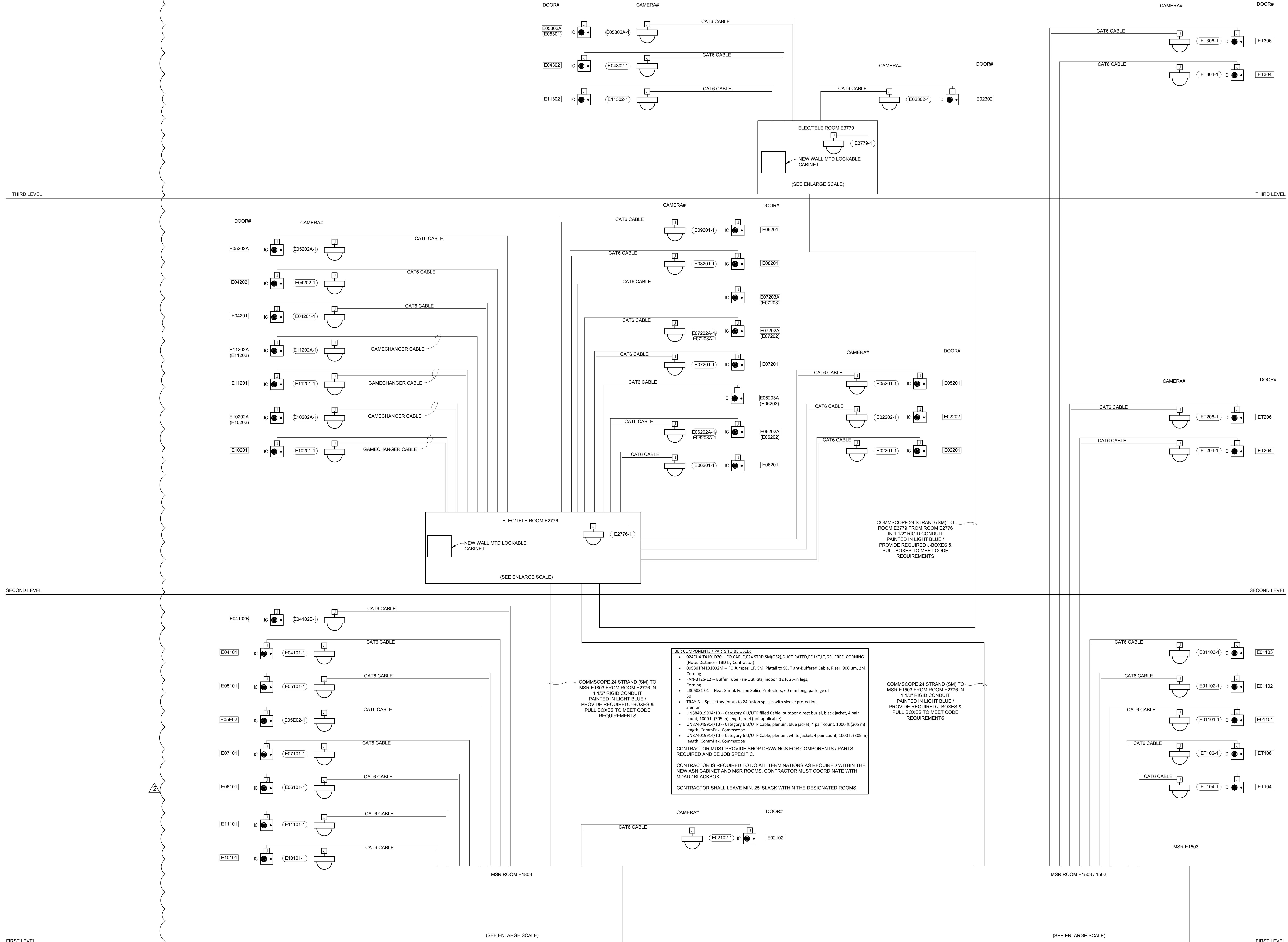
Title

**2 - SECURITY CAMERA / INTERCOM RISER DIAGRAMS ELECTRICAL**

To the best of my knowledge and ability these plans comply with the minimum standards of the Florida Building Code 6th Edition (2017)

E520

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**FIBER COMPONENTS / PARTS TO BE USED:**

- 024EU4-T4101020 -- FO CABLE, 024 STRD, SM(052), DUCT-RATED, PE JKT, 1.7, GEL FREE, CORNING (Note: Distances TBD by Contractor)
- 005801R4131002M -- FO Jumper, 1F, 5M, Pigtail to SC, Tight-Buffered Cable, Riser, 900 µm, 2M, Corning
- FAN-ST25-12 -- Buffer Tube Fan-Out Kits, indoor 12 F, 25-in legs, Corning
- 2806031-01 -- Heat Shrink Fusion Splice Protectors, 60 mm long, package of 50
- TRAY-3 -- Splice tray for up to 24 fusion splices with sleeve protection, Siemon
- UN884019904/10 -- Category 6 U/UTP Filled Cable, outdoor direct burial, black jacket, 4 pair count, 1000 ft (305 m) length, CommPak, CommScope
- UN874029914/10 -- Category 6 U/UTP Cable, plenum, blue jacket, 4 pair count, 1000 ft (305 m) length, CommPak, CommScope
- UN874029914/10 -- Category 6 U/UTP Cable, plenum, white jacket, 4 pair count, 1000 ft (305 m) length, CommPak, CommScope

CONTRACTOR MUST PROVIDE SHOP DRAWINGS FOR COMPONENTS / PARTS REQUIRED AND BE JOB SPECIFIC.

CONTRACTOR IS REQUIRED TO DO ALL TERMINATIONS AS REQUIRED WITHIN THE NEW ASN CABINET AND MSR ROOMS. CONTRACTOR MUST COORDINATE WITH MDAD / BLACKBOX.

CONTRACTOR SHALL LEAVE MIN. 25' SLACK WITHIN THE DESIGNATED ROOMS.

- NOTES:**
1. ELECTRICAL CONTRACTOR SHALL USE / RUN CAT 6 OR GAME CHANGER CABLE IN SEPARATE CONDUITS FOR SECURITY CAMERAS & INTERCOM. FROM LOCATION AND PROVIDE A CONSOLIDATION J-BOX BEFORE ENTERING MSR OR DESIGNATED ROOMS SHOWN ON DOCUMENTS. CONTRACTOR SHALL CONSULT WITH MDAD / CNP / AE PRIOR TO ENTERING MSR / DESIGNATED ROOMS.
  2. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED HARDWARE FOR ALL INSTALLATION OF CONDUIT / CABLE / INTERCOMS / CAMERAS AS REQUIRED FOR A COMPLETE INSTALLATION & TERMINATION.
  3. ELECTRICAL CONTRACTOR SHALL MEET ALL REQUIRED LOCAL / STANDARD CODES.
  4. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NEW FIBER / CONDUIT NETWORK PRESENCE WITH ALL REQUIRED FIBER SWITCHES AND JUMPERS AS INDICATED ABOVE TO ELECTRICAL / TELE ROOMS E2776 & E3779. CONTRACTOR SHALL COORDINATE WITH MDAD / CNP / R&B / BLACKBOX & A/E.
  5. ELECTRICAL CONTRACTOR SHALL FIRE PROOF ALL FLOOR / WALL PENETRATIONS AS REQUIRED BY CODE TO MAINTAIN RATING.
  6. INTEGRATION CONTRACTOR "CNP" SHALL SUPPLY AND INSTALL ALL NETWORK EQUIPMENT REQUIRED FOR A COMPLETE WORKING SYSTEM I.E. (UPS / 48 PORT NETWORK SWITCHES / ENVIRO SENSORS / DOOR SWITCH / JUMPERS IN ROOMS E1503 / E1803 / E2776 & E3779. ELECTRICAL CONTRACTOR SHALL INSTALL LOCKABLE CABINET PROVIDED BY CNP.
  7. ALL FINAL TERMINATION TO ASN NETWORK SHALL BE DONE BY CNP.
  8. ALL CAT6 & GAMECHANGER CABLE MUST BE TESTED / CHECKED END TO END PRIOR TO INSTALLATION AND AFETR INSTALLATION. ALL FIBER CABLE MUST BE ROLL TESTED PRIOR TO INSTALLATION. CONTRACTOR MUST PROVIDE RESULTS TO MDAD / CNP / R&B & AE FOR REVIEW. FIBER CABLE AND SHALL BE FINAL TESTED ONCE INSTALLED AND CONTRACTOR MUST PROVIDE RESULTS TO MDAD / CNP / R&B / AE FOR REVIEW.

1 **CCTV / IC RISER DIAGRAM**  
SCALE: N.T.S.











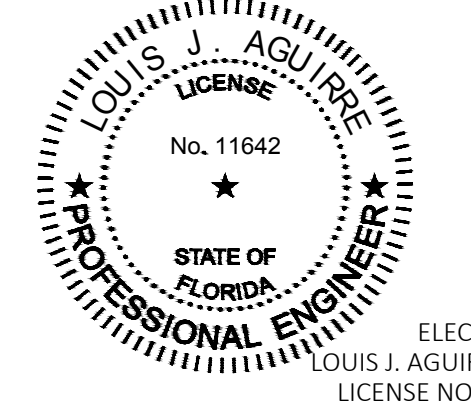
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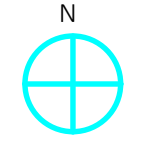


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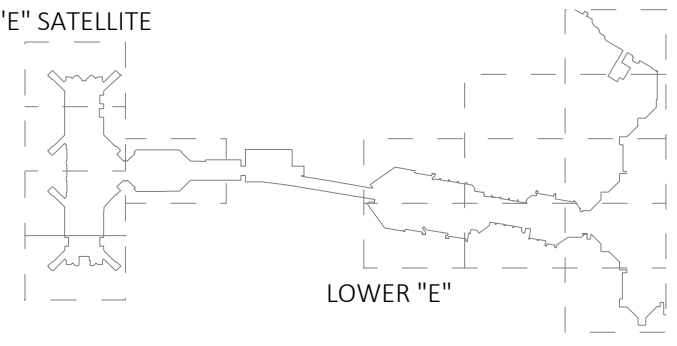


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KEY PLAN



**SHEET NOT USED**

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**2 - DETAILS  
ELECTRICAL**

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E722

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