Rhode Island
Airport Corporation

February 1, 2024

ADDENDUM NO. 004
Request for Proposals (RFP) No. 34620
Airport Terminal Area Public Wi-Fi System at
Rhode Island T. F. Green International Airport (PVD)

Prospective proposers and all concerned are hereby notified of the following changes in the **Request for Proposals (RFP)** document related to **RFP No. 34620**. These changes shall be incorporated in and shall become an integral part of the contract documents.

Updates to solicitation schedule below:

- (NEW ITEM) RSVP and provide visitor badge info for non-mandatory walk-through By **February 5, 2024** at 12:00pm local time. Please find Visitor Badge application **attached** to this addendum.
- (NEW ITEM) Non-mandatory walk-through = **February 7, 2024** from 11:00am to 1:30pm local time
- Deadline for Proposals are now due **February 23, 2024**

Attachments:

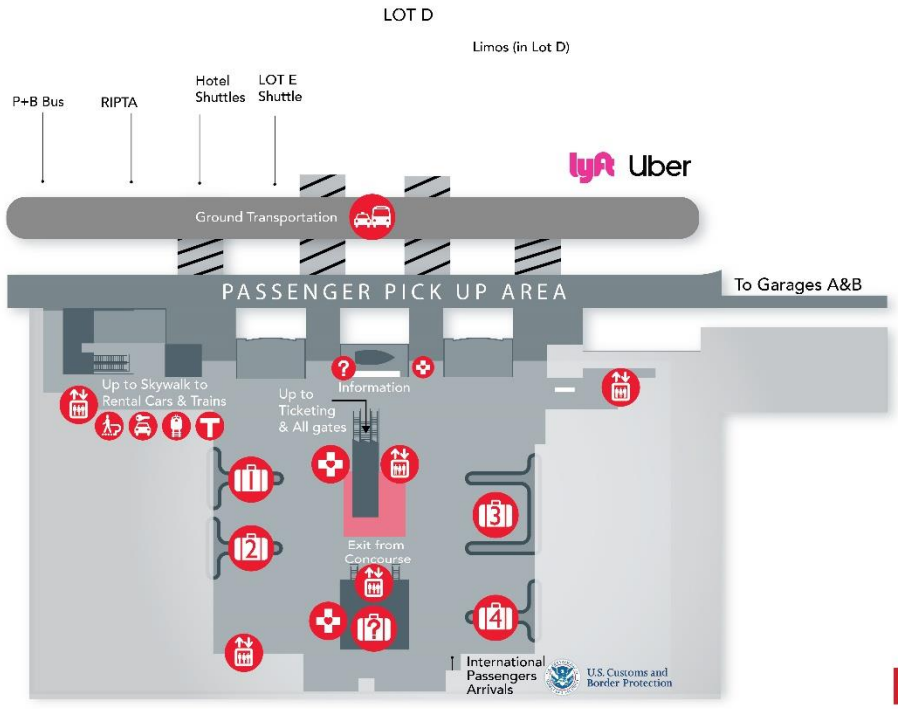
A. Visitor Badge Application – mandatory for walk through
B. As-Built Drawings for Wireless Services

Answers to significant questions:

1. Can you provide existing inventory of all existing WLAN environment inclusive of models? Needed to determine how many are EoL. There are 41 current WAPs, this RFP is meant to replace the existing system.
2. Where do we access Exhibits F-1 for the concourses, food court, terminal and curbside, and F-2 for the Short term lot D in front of the Terminal.
   These exhibits are included as part of an addendum. RIAC is scheduling a site visit for those interested parties. RIAC is also including a network map of the current provider in an addendum to this RFP.
3. Is there a network map available for the current wi-fi solution? RIAC will post a map provided by the current provider in an addendum to this RFP.
4. Can we come onsite to perform a site survey? RIAC is scheduling a site visit for those interested parties.

5. If no onsite survey is available, do you have information for us to perform a predictive model survey allowing us to import your building drawings into our survey software? RIAC will arrange for a walk-around site survey for those interested parties.
6. Are you getting good WiFi coverage throughout their facility today? Yes.
7. Can you advise how the public Wi-Fi is managed today? Internally? Externally? Externally.
8. Do you utilize any kind of NAC applications, if so what? The current provider offers a web based portal (not aware if an app version exists) to access a metrics dashboard that select RIAC staff has credentialed access to.
9. What firewalls are in place today?
   Fortigate Model
   Fortigate VM64
   Fortigate 300-E
   Fortigate 300-E
   Fortigate 300-E
   Fortigate 100-E
   Fortigate-100-E
   Fortigate 60-E
   Fortigate 60E-POE
10. How will the AP's be powered? TBD by proposers. But currently POE.
11. Do POE switches need to be included in the proposal? TBD by proposers. But currently POE.
12. Can you provide an inventory of existing LAN environment? The total number of WAP is in the drawing being provided by the incumbent that will be posted as an addendum.
13. Will the vendor selected have management access to the switches connecting the APs to enable more efficient and automated triage efforts? The vendor will be replacing the existing switches.
14. Do you know if the existing ethernet cabling plant is CAT5, 5e, or 6? A mix of 5E and 6, to the best of RIAC's knowledge.
15. Do you know if the current AP mounting locations have ethernet cable service loops available? Unknown.
16. When was the cabling installed and has it been certified in the past 2 years? 2016-2018 and not re-certified in the last 2 years.
17. What are the average number of users and devices that connect to the wi-fi network today? Current metrics are as follows: AVG daily user connects = 2000 to 4000, AVG daily data usage (GB) = 500 to 1000, AVG minutes per session = 30 to 60, AVG daily sessions = 15000 to 30000
18. Please also identify how this spikes that may occur seasonally or during events. Airport passenger traffic is seasonal. July, August, and October are typically the 3 busiest months with January, February, and March typically the slowest.
19. Who provides Internet service to the Airport today and what is the bandwidth? Cox Communications and Verizon. Bandwidth unknown.

20. Is there any desire to look at alternate or supplemental Internet circuits as part of this wi-fi project? To be determined by proposers.



Level 1
Arrivals
Baggage Claim
Ground Transportation

Rhode Island
T. F. Green International Airport

ATTACHMENT A

Visitor Badge Application

Return to procurement@pvdairport.com no later than

Name: _____ _____ _____
Last **First** **Middle**

Drivers License Number/State ID Card:

_____ _____ _____
Number **State** **Expiration Date**

Date of Birth:

_____
Month/Day/Year

Do you have an existing active Badge? ☐ Yes ☐ No **If Yes, indicate badge type:** ☐ **SIDA** ☐ **Sterile**

Company Name: _____

Company Address:_____

_____

Contact Phone: (_____)_____-_____

Contact Email: _____

WIRELESS SERVICES
T.F. GREEN AIRPORT (PVD)

LEGEND:

- WIRELESS ACCESS POINT
- 2-POST RACK OR WALL MOUNT RACK
- CAT6 CABLE PATHWAY FOR ACCESS POINTS AND OUTDOOR BRIDGE RADIOS.
- MULTI-MODE FIBER PATHWAYS
- USE EXISTING VERTICAL CONDUIT SLEEVE OR ADD WHERE REQUIRED BETWEEN FLOORS FOR CABLING TO ROOF / WALL MOUNT BRIDGE RADIOS.

ABBREVIATIONS

#	POUND OR NUMBER
AC	AIR CONDITIONING
AP	ACCESS POINT
BLDG	BUILDING
DET	DETAIL
DWG	DRAWING
ELEC	ELECTRICAL
ER	EQUIPMENT ROOM
EXT	EXTERIOR
FT	FOOT
GALV	GALVANIZED
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
IN	INCH
MBPS	MEGABITS PER SECOND
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
SS	STAINLESS STEEL
TYP	TYPICAL
UPS	UNINTERRUPTIBLE POWER SUPPLY
WAP	WIRELESS ACCESS POINT

PROJECT PARTICIPANTS

OPERATOR: BOINGO WIRELESS, INC.
10960 WILSHIRE BLVD.,
LOS ANGELES, CA. 90024
23rd FLOOR

TELECOM: -
-
-
-

APPLICABLE SPECIFICATIONS:

ABA
ADA
BASE EXTERIOR ARCHITECTURE PLAN (BEAP)
FEDERAL COMMUNICATIONS COMMISSION RULES, PT. 15
IBC 2009
NATIONAL ELECTRIC CODE (NFPA 70)
UNITED FACILITIES CRITERIA (UFC) 1-200-01 (DATED 11/27/07)

VICINITY MAP

SYM	DESCRIPTION	DATE	APPR
	AS-BUILT DRAWINGS	2017-05-18	

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BOINGO WIRELESS, INC.
10960 WILSHIRE BLVD.
23rd FLOOR
LOS ANGELES, CA, 90024

A/E INFO

APPROVED

ACTIVITY

SATISFACTORY TO DATE

CAD DESIGNER: EDWARD NARVAEZ
FIELD OPERATIONS MANAGER: DAVID ARMENTO
DIRECTOR: TOM PINCZES

T.F. GREEN AIRPORT (PVD)
WIRELESS SERVICES
WARWICK, RI

TITLE SHEET

SCALE:
PROJECT NO.: 000-000
CONSTR. CONTR. NO.

SHEET 0 OF 00

G1

DRAWFORM REVISION: 24 May 2017

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FLOOR PLANS		
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T1.1B	FIRST FLOOR CENTER CONCOURSE	
T1.1C	FIRST FLOOR SOUTH CONCOURSE	GATES 1-8
T1.2A	SECOND FLOOR NORTH CONCOURSE	
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EQUIPMENT INSTALLATION DETAILS		
T3.0	TELCO ROOM DETAILS	
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T4.2	CABLE ROUTING DETAIL	
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T4.5	CABLE PENETRATION DETAILS	

SYM	DESCRIPTION	DATE	APPR
	AS-BUILT DRAWINGS	2017-05-18	

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FIELD OPERATIONS MANAGER
DAVID ARMENTO

DIRECTOR
TOM PINCZES

T.F. GREEN AIRPORT (PVD)
WIRELESS SERVICES
WARWICK, RI

DRAWING INDEX

SCALE:

PROJECT NO.: 000-000

CONSTR. CONTR. NO.

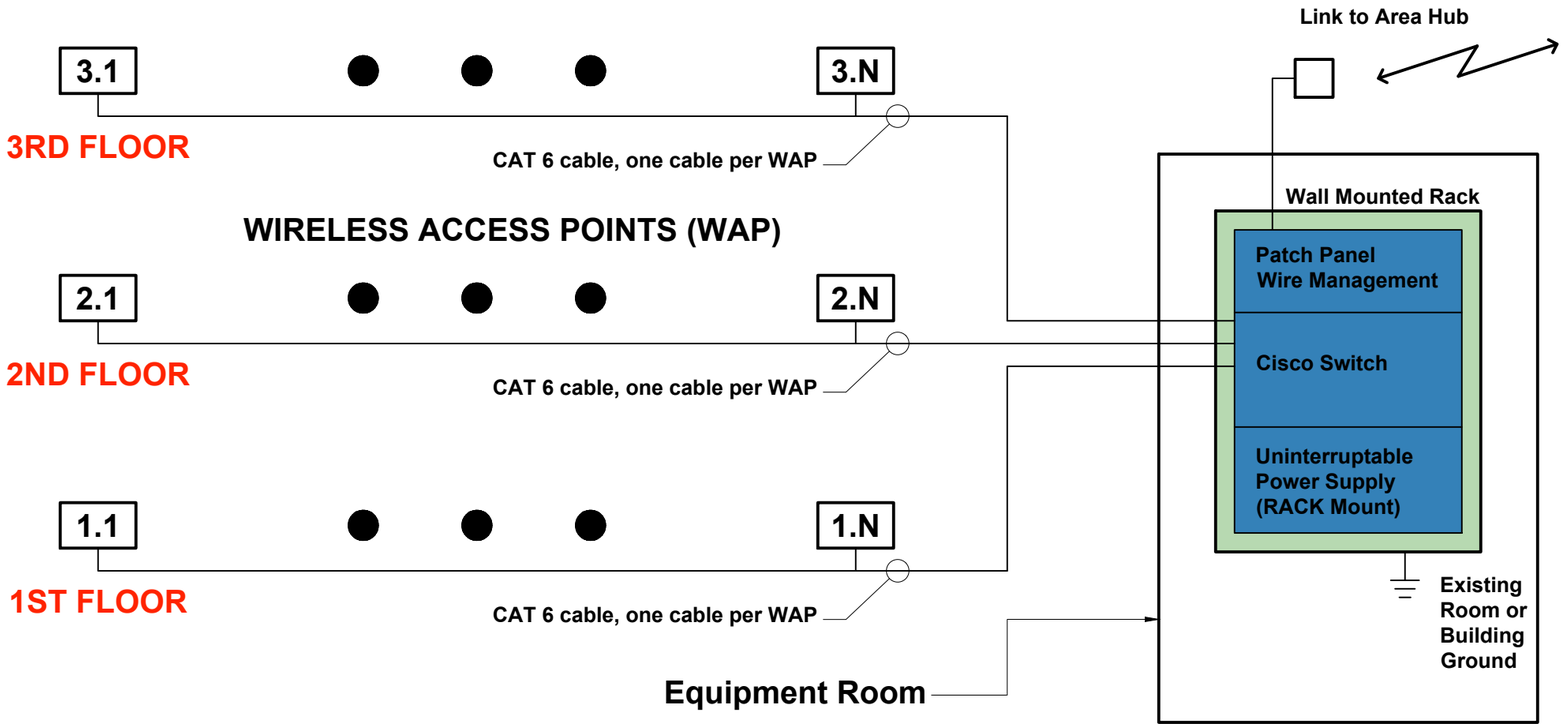
SHEET 0 OF 00

G2

DRAWFORM REVISION: 24 May 2017

GENERAL NOTES:

1. SELECTED EQUIPMENT ROOM IS BUILDING SPECIFIC AND IS IDENTIFIED ON THE BUILDING INSTALLATION DRAWINGS.
2. DIAGRAM IS TYPICAL FOR BUILDINGS WITH THREE FLOORS.
3. BUILDINGS WITH A CENTRAL UTILITY GALLEY HAVE A CAT6 CABLE PATHWAY PER FLOOR SUPPORTED ON J-HOOKS.
4. BUILDINGS WITH NO CENTRAL UTILITY GALLEY HAVE CAT6 CABLE PATHWAYS INSIDE SOFFIT OR CONDUIT/RACEWAY ALONG EACH EXTERIOR SIDE.
5. PRE-WIRED TYPE BUILDINGS UTILIZE EXISTING CAT6 IN ROOMS IF ALLOWED. CONTRACTOR TO INSTALL NEW CONDUIT AND CAT6 CABLE FOR OUTDOOR RADIOS AND NON-PRE-WIRED ROOMS; NEW CONDUIT AND CAT6 CABLE SHALL BE USED FOR ALL ACCESS POINTS IF THE EXISTING PRE-WIRE IS UNUSABLE PER SITE INSTRUCTIONS.



TYPICAL WIRELESS INFRASTRUCTURE DIAGRAM

SYM	DESCRIPTION	DATE	APPR
	AS-BUILT DRAWINGS	2017-05-18	

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LOS ANGELES, CA, 90024

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T.F. GREEN AIRPORT (PVD)
WIRELESS SERVICES
WARWICK, RI

TYPICAL WIRELESS INFRASTRUCTURE DIAGRAM

SCALE:

PROJECT NO.: 000-000

CONSTR. CONTR. NO.

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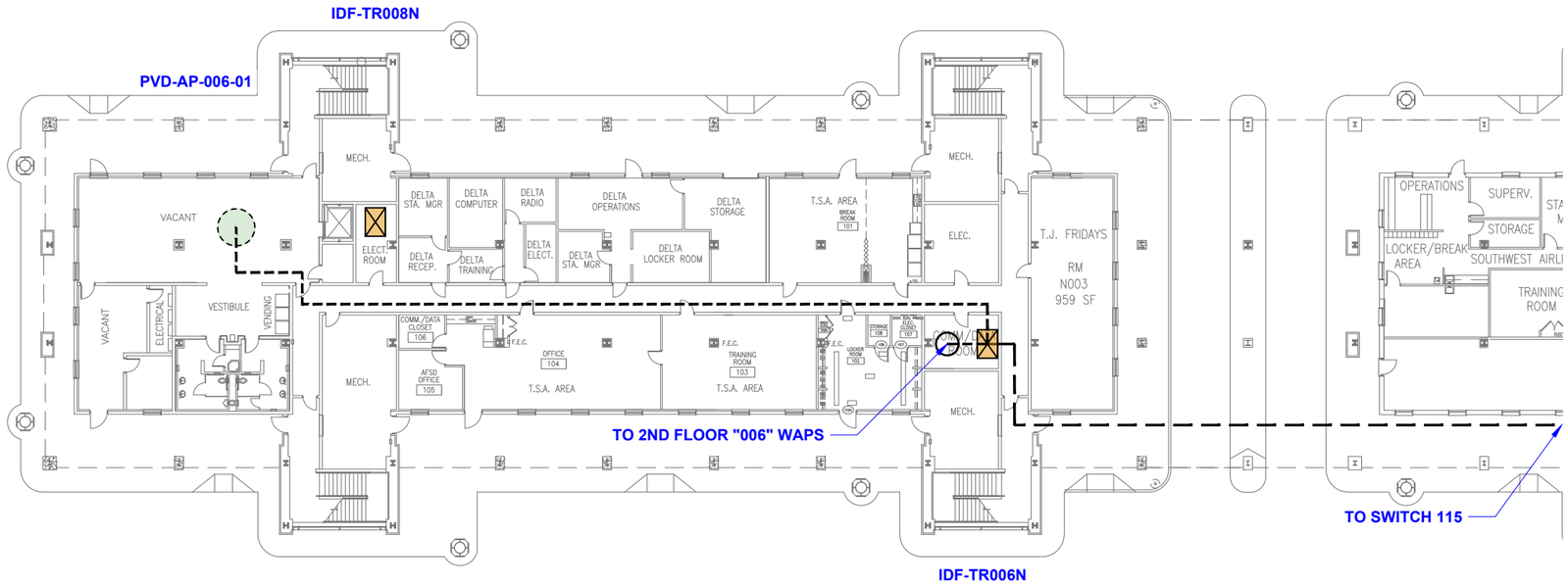
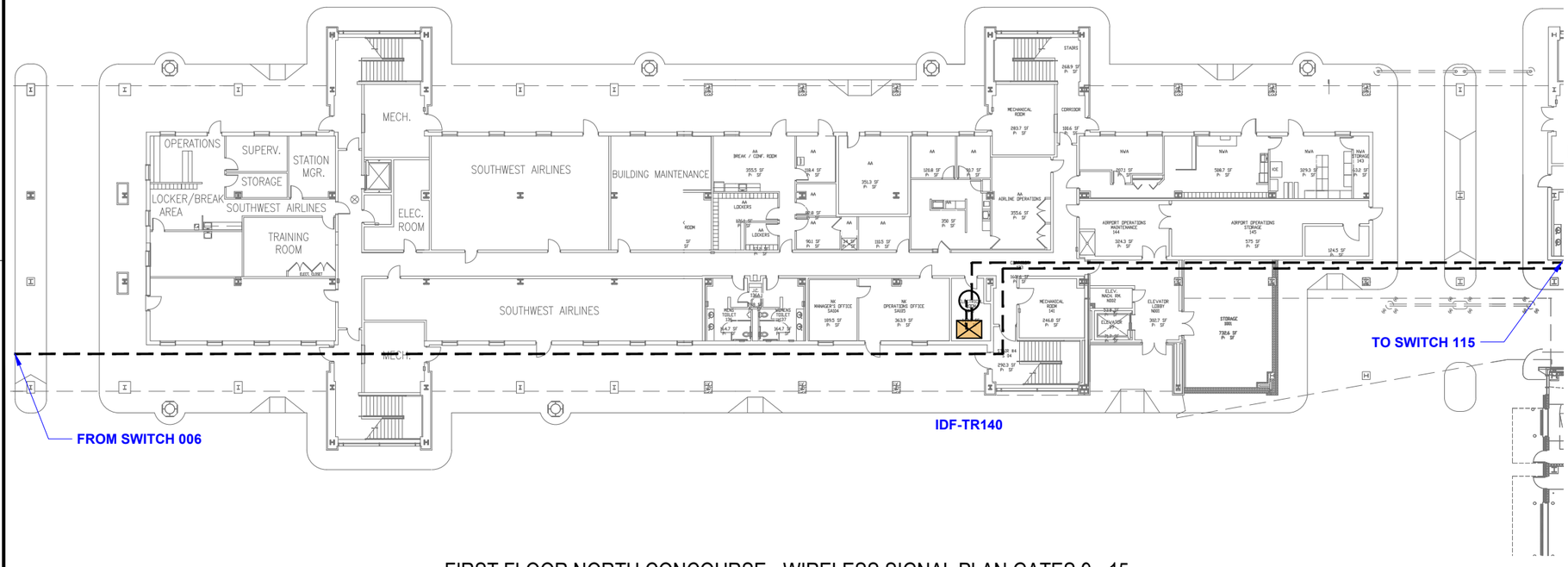
T1.0

DRW/FORM REVISION: 24 May 2017



FIRST FLOOR NORTH CONCOURSE - WIRELESS SIGNAL PLAN GATES 16 - 22



FIRST FLOOR NORTH CONCOURSE - WIRELESS SIGNAL PLAN GATES 9 - 15

FIRST FLOOR NORTH CONCOURSE
1 WAP's

GENERAL NOTES:

1. BUILDING TYPE: **DROP-CEILING**
   - **NEWLY INSTALLED CAT6 WILL BE USED TO CONNECT ALL WAP'S.**
   - AP'S TO BE MOUNTED TO DROP CEILING TRACK USING MOUNTING BRACKETS SUPPLIED BY MANUFACTURER. AP'S MAY BE MOVED UP TO TWO TILES (4') IN EITHER DIRECTION IN ORDER TO ACCOUNT FOR CEILING OBSTRUCTIONS SUCH AS LIGHT FIXTURES, EXIT SIGNS, HVAC DUCTS, AND SO FORTH.
2. TOTAL WAP QUANTITY: 41
   ACCESS POINTS: 10 (1ST FLOOR)
   ACCESS POINTS: 31 (2ND FLOOR)
3. ALL INDOOR WAP'S ARE CISCO C2702i UNLESS OTHERWISE NOTED.
4. PROVIDE 12 VDC POWER TO THE WIRELESS ACCESS POINTS VIA CAT6 SIGNAL CABLE.
5. (1) CAT6 CABLE SHALL BE ROUTED TO EACH ACCESS POINT LOCATION.
6. IDENTIFY WAP & CAT6 CABLES AS
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LEGEND:

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SYM	DESCRIPTION	DATE	APPR
	AS-BUILT DRAWINGS	2017-05-18	

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10960 WILSHIRE BLVD.
23rd FLOOR
LOS ANGELES, CA, 90024
A/E INFO

APPROVED

ACTIVITY

SATISFACTORY TO DATE

CAD DESIGNER: EDWARD NARVAEZ
FIELD OPERATIONS MANAGER: DAVID ARMENTO
DIRECTOR: TOM PINCZES

T.F. GREEN AIRPORT (PVD)
WIRELESS SERVICES
WARWICK, RI

FIRST FLOOR NORTH CONCOURSE
GATES 9-22

SCALE:
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CONSTR. CONTR. NO.

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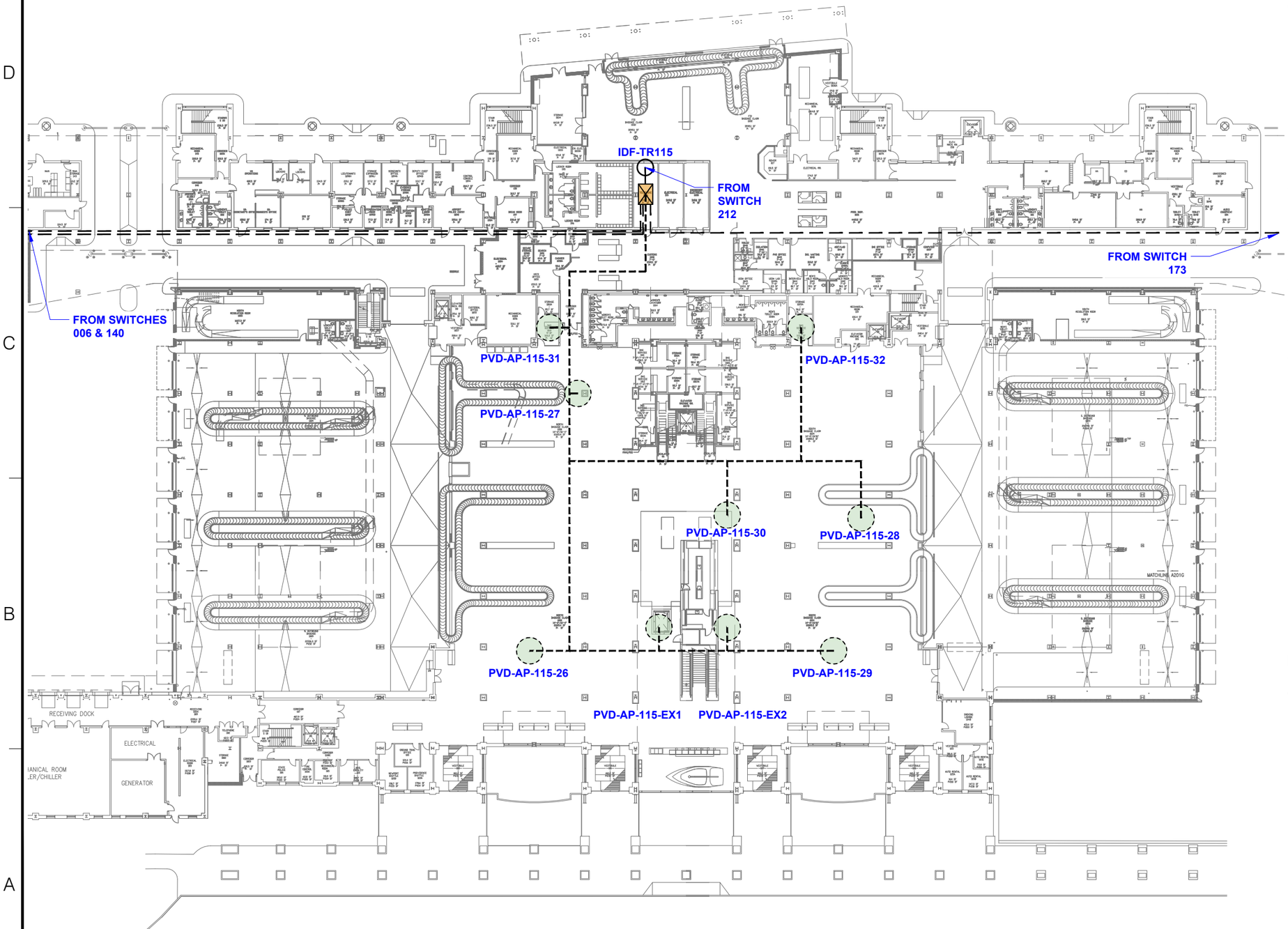

FIRST FLOOR CENTER CONCOURSE
9 WAP's

GENERAL NOTES:

1. BUILDING TYPE: **DROP-CEILING**
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FIRST FLOOR CENTER CONCOURSE - WIRELESS SIGNAL PLAN

SYM	DESCRIPTION	DATE	APPR
	AS-BUILT DRAWINGS	2017-05-18	

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LOS ANGELES, CA, 90024
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T.F. GREEN AIRPORT (PVD)
WIRELESS SERVICES
WARWICK, RI

FIRST FLOOR CENTER CONCOURSE

SCALE:
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CONSTR. CONTR. NO.

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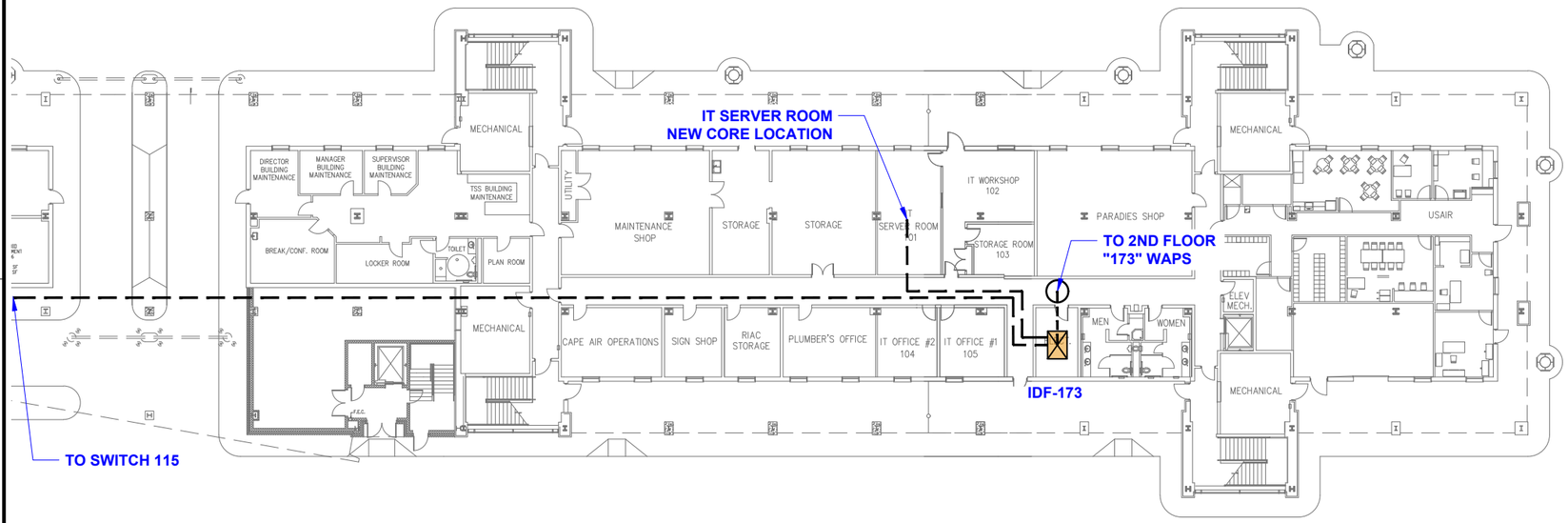

FIRST FLOOR SOUTH CONCOURSE - WIRELESS SIGNAL PLAN GATES 1 - 8

FIRST FLOOR SOUTH CONCOURSE
0 WAP's

GENERAL NOTES:

1. BUILDING TYPE: **DROP-CEILING**
   - **NEWLY INSTALLED CAT6 WILL BE USED TO CONNECT ALL WAP'S.**
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SYM	DESCRIPTION	DATE	APPR
	AS-BUILT DRAWINGS	2017-05-18	

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T.F. GREEN AIRPORT (PVD)
WIRELESS SERVICES
WARWICK, RI

FIRST FLOOR SOUTH CONCOURSE
GATES 1-8

SCALE:
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CONSTR. CONTR. NO.

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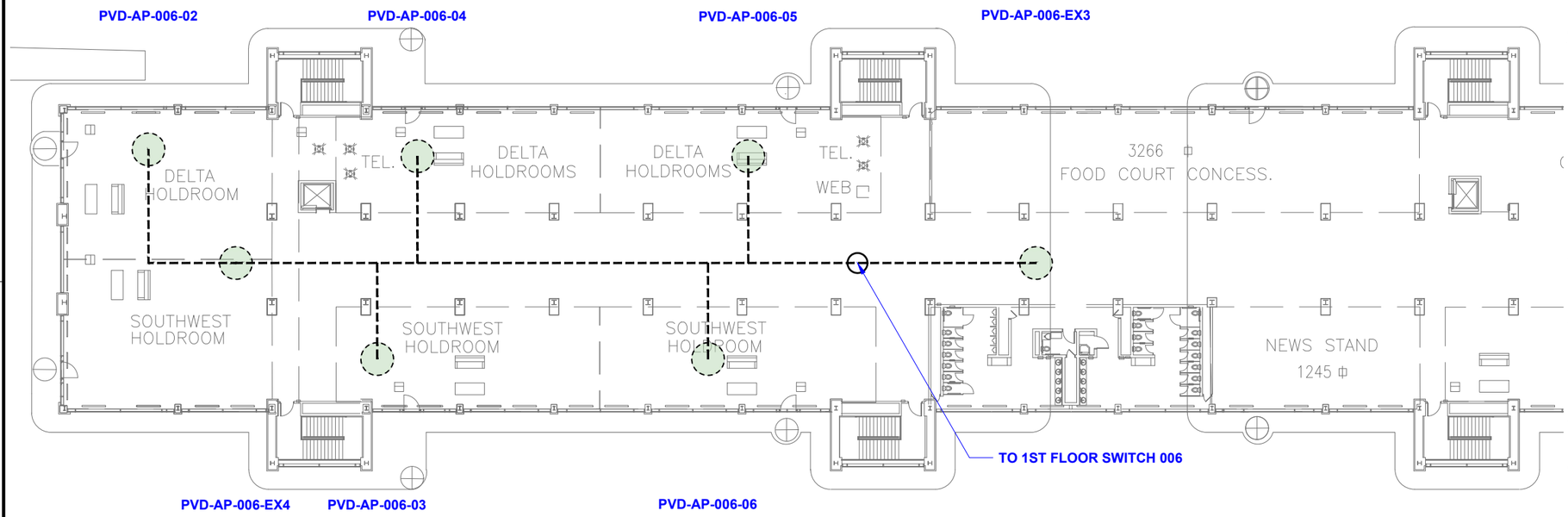
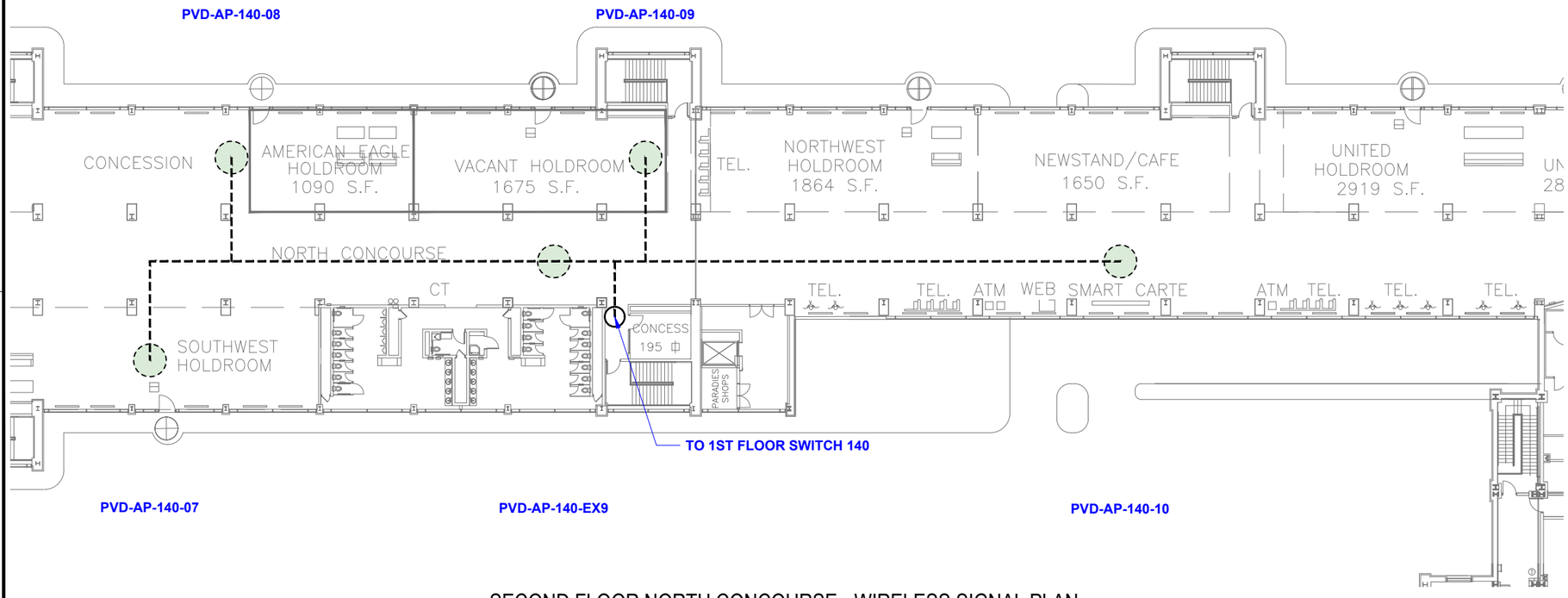


SECOND FLOOR NORTH CONCOURSE - WIRELESS SIGNAL PLAN



SECOND FLOOR NORTH CONCOURSE - WIRELESS SIGNAL PLAN

SECOND FLOOR NORTH CONCOURSE
12 WAP's

GENERAL NOTES:

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SYM	DESCRIPTION	DATE	APPR
	AS-BUILT DRAWINGS	2017-05-18	

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A/E INFO

APPROVED

ACTIVITY

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T.F. GREEN AIRPORT (PVD)
WIRELESS SERVICES
WARWICK, RI

SECOND FLOOR NORTH CONCOURSE

SCALE:
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T1.2A

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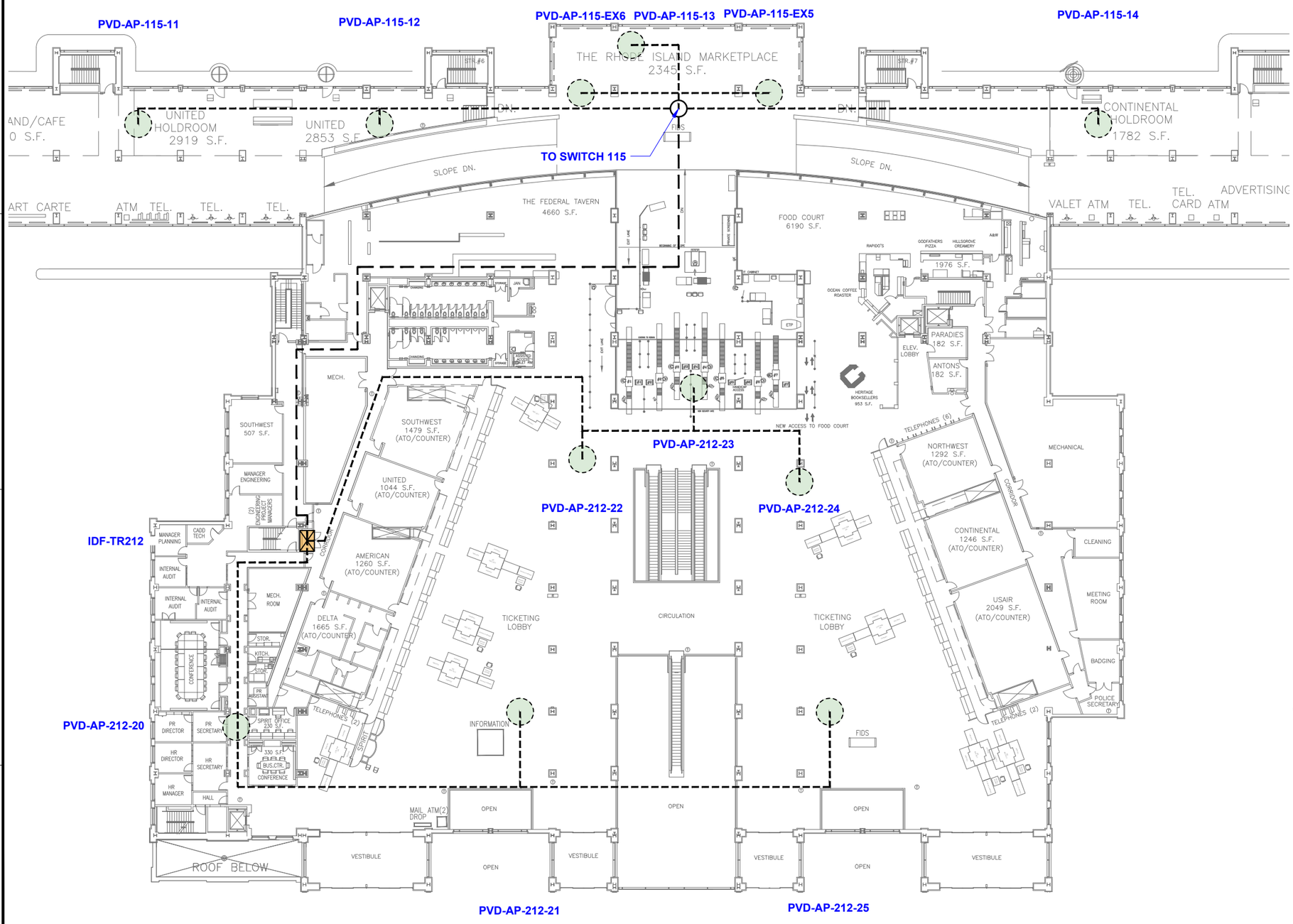

SECOND FLOOR CENTER CONCOURSE
12 WAP's

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SECOND FLOOR CENTER CONCOURSE - WIRELESS SIGNAL PLAN

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T.F. GREEN AIRPORT (PVD)
WIRELESS SERVICES
WARWICK, RI

SECOND FLOOR CENTER CONCOURSE

SCALE:

PROJECT NO.: 000-000

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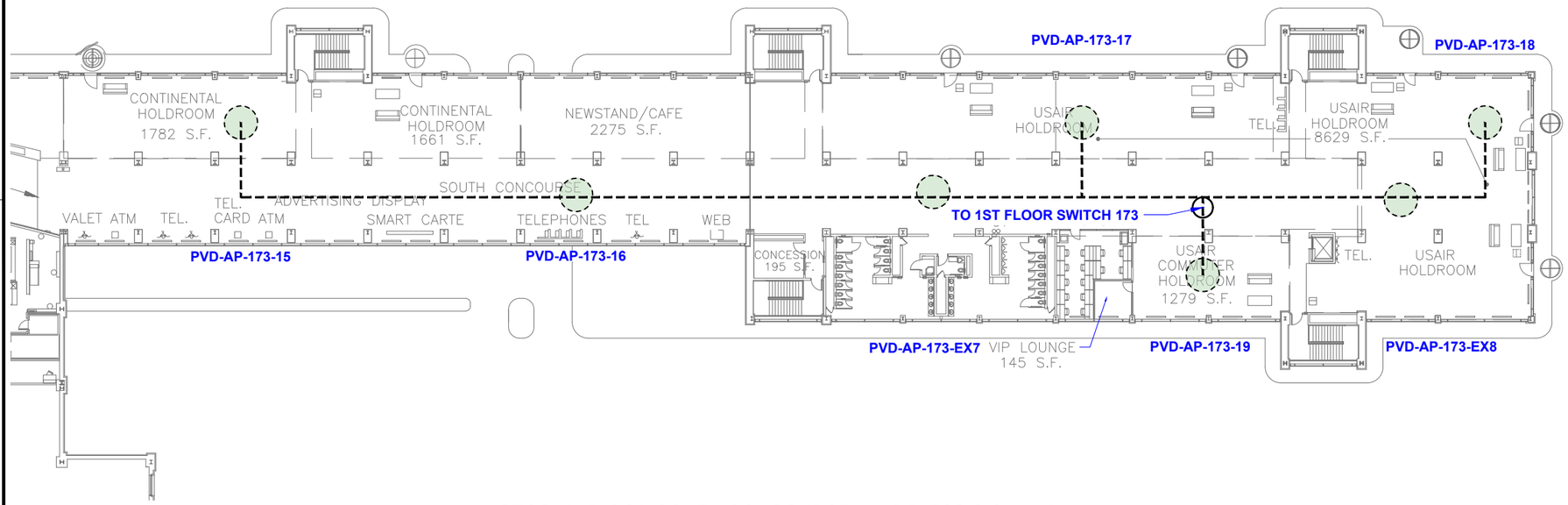
SHEET 0 OF 00

T1.2B

DRAWFORM REVISION: 24 May 2017



SECOND FLOOR SOUTH CONCOURSE - WIRELESS SIGNAL PLAN

SECOND FLOOR SOUTH CONCOURSE
7 WAP's

GENERAL NOTES:

1. BUILDING TYPE: **DROP-CEILING**
   - **NEWLY INSTALLED CAT6 WILL BE USED TO CONNECT ALL WAP'S.**
   - AP'S TO BE MOUNTED TO DROP CEILING TRACK USING MOUNTING BRACKETS SUPPLIED BY MANUFACTURER. AP'S MAY BE MOVED UP TO TWO TILES (4') IN EITHER DIRECTION IN ORDER TO ACCOUNT FOR CEILING OBSTRUCTIONS SUCH AS LIGHT FIXTURES, EXIT SIGNS, HVAC DUCTS, AND SO FORTH.
2. TOTAL WAP QUANTITY: 41
   ACCESS POINTS: 10 (1ST FLOOR)
   ACCESS POINTS: 31 (2ND FLOOR)
3. ALL INDOOR WAP'S ARE CISCO C2702i UNLESS OTHERWISE NOTED.
4. PROVIDE 12 VDC POWER TO THE WIRELESS ACCESS POINTS VIA CAT6 SIGNAL CABLE.
5. (1) CAT6 CABLE SHALL BE ROUTED TO EACH ACCESS POINT LOCATION.
6. IDENTIFY WAP & CAT6 CABLES AS
   A - B - C - D
   WHERE A IS THE SITE ID
   WHERE B IS THE ID
   WHERE C IS THE SWITCH
   WHERE D IS THE WAP

LEGEND:

- WIRELESS ACCESS POINT
- 2-POST RACK OR WALL MOUNT RACK
- CAT6 CABLE PATHWAY FOR ACCESS POINTS AND OUTDOOR BRIDGE RADIOS.
- MULTI-MODE FIBER PATHWAYS
- USE EXISTING VERTICAL CONDUIT SLEEVE OR ADD WHERE REQUIRED BETWEEN FLOORS FOR CABLING TO ROOF / WALL MOUNT BRIDGE RADIOS.

SYM	DESCRIPTION	DATE	APPR
	AS-BUILT DRAWINGS	2017-05-18	

SEAL

boingo
BOINGO WIRELESS, INC.
10960 WILSHIRE BLVD.
23rd FLOOR
LOS ANGELES, CA, 90024
A/E INFO

APPROVED

ACTIVITY

SATISFACTORY TO DATE

CAD DESIGNER: EDWARD NARVAEZ
FIELD OPERATIONS MANAGER: DAVID ARMENTO
DIRECTOR: TOM PINCZES

T.F. GREEN AIRPORT (PVD)
WIRELESS SERVICES
WARWICK, RI

SECOND FLOOR SOUTH CONCOURSE

SCALE:
PROJECT NO.: 000-000
CONSTR. CONTR. NO.

SHEET 0 OF 00

T1.2C

DRAWFORM REVISION: 24 May 2017

####END OF ADDENDUM###