WAREHOUSE SAMPLE DRAWING

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IT DRAWING LEGEND:

DEVICES

SYMBOL	DESCRIPTION
RACK	SERVER RACK (TBD: LOCATION)
AP	WIRELESS ACCESS POINT (1x CAT6, TERMINATE WITH RJ45 PLUG)
IP	CEILING/WALL MOUNTED IP-CAMERA (1x CAT6, TERMINATE WITH RJ-45 PLUG)
CR	CARD READER
DC	DOOR CONTROLLER
DS	DIGITAL SIGNAGE DISPLAY
VM	VIRTUAL MEETING DISPLAY
TC	TIME CLOCK

DEVICES

SYMBOL	DESCRIPTION
	ELECTRIC DUPLEX RECEPTACLE
D	ELECTRIC QUAD RECEPTACLE 20A SEPARATE DEDICATED CIRCUIT
	ELECTRIC QUAD RECEPTACLE
#	DATA RECEPTACLE - # IS THE NUMBER OF CAT 6. CABLE A. FLUSH WALL MOUNTED DATA OUTLET AT REGULAR OUTLET HEIGHT UNLESS OTHERWISE NOTED. B. GC/ELECTRICIAN TO PROVIDE - JUNCTION BOX (2 GANG BACKBOX WITH 1 GANG ADAPTER RING) WITH 1" EMPTY CONDUIT STUBBED UP TO 6" ABOVE ACCESSIBLE HUNG CEILING AND DRAGLINE
#	CEILING MOUNTED DATA RECEPTICLE # IS THE NUMBER OF CAT 6. CABLE - 1-GANG BOX WITH DATA FACEPLATE - TERMINATE CAT6 WITH RJ-45 KEYSTONE JACK
	CABLE DROP AT DEVICE LOCATION -1x CAT 6. CABLE
CAT 6	THE LABEL OF CAT 6. CABLES
INT-FO	THE LABEL OF PRETERMINATED 12 STRAND 50/125 MM, OM3, LC-LC FIBER OPTIC INTER-CONNECTION CABLE BETWEEN RACKS

SCOPE MATRIX:

RESPONSIBILITY MATRIX	SUPPLIED BY: OWNER	GC/ ELECT:	LERNER SOLUTIONS HQ	LERNER SOLUTIONS INSTALLER	INSTALLED BY: OWNER	GC/ ELECT:	LERNER SOLUTIONS HQ	LERNER SOLUTIONS INSTALLER
INFRASTRUCTURE								
CONDUIT / BOX		✓				✓		
ELECTRIC RECEPTACLES		✓				✓		
ELECTRIC RECEPTACLE FOR AV ITEMS IF NEEDED (PLEASE SEE AV- VENDOR'S DRAWING FOR DETAIL)		✓				✓		
WIRE PATH/ CONDUIT FOR ISP INSTALLATION		✓				✓		
NETWORK								
AP / RACK / NETWORK GEARS INSTALLATION / TEST			✓	✓			✓	✓
WIRE TERMINATION AND LABEL PATCH PANEL/ CONNECTION			✓	✓				✓
DATA OUTLET FOR AV ITEM LOCATION IF NEEDED				✓				✓
SURVEILLANCE								
CAMERA INSTALLATION	✓				✓			
WIRE TERMINATION AND LABEL PATCH PANEL CONNECTION			✓	✓				✓
AUDIO VISUAL								
AV DESIGN/INSTALLATION	✓				✓			
AV DISPLAY AND DEVICE	✓				✓			
ACCESS CONTROL SYSTEM								
ACCESS CONTROL DESIGN / INSTALLATION / PROGRAMING	✓				✓			
WIRE SPECIFICATION / TERMINATION / CONNECTION	✓				✓			
DOOR HARDWARE INSTALLATION / WIRE PULLING	✓				✓			

GENERAL NOTES TO ARCH/CUSTOMER/OWNER'S VENDOR:

S. NO # DESCRIPTION

MODIFICATION_v1.1
- MODIFIED TIME CLOCK LOCATIONS

MODIFICATION_v1.0
- ADDED (2) TIME CLOCK LOCATIONS
- ADDED IT-125 FOR TIME CLOCK ELEVATION

1. ALL ITEM LOCATIONS MUST BE CONFIRMED BY CUSTOMER/GC
2. ELECTRIC RECEPTACLES / DATA WIRE MUST BE PROVIDED BY GC/ELECTRICIAN
3. ALL CAT6 WIRE MUST BE HOME-RUN TO RACKS
4. ISP ROUTERS MUST BE PROVIDED/INSTALLED IN THE RACK-01 BY OTHER
5. MOUNTING METHOD OF IT DEVICE MUST BE COORDINATED WITH GC/ARCHITECT/INSTALLER
6. SERVICE LOOP
   - ALL ITEMS SHOULD HAVE 10FT SERVICE LOOP ON CEILING
   - FUTURE USE IN WAREHOUSE: 30FT SERVICE LOOP
   - FUTURE USE IN OFFICE AREA: 10FT SERVICE LOOP

NOTE FOR OPEN ITEMS:

1.
2.

CLIENT / PROJECT:

NOTES:

1. IT-RACK

   INFRASTRUTURE REQUIREMENT (SEE IT- 201)

   -1x ELECTRICAL QUAD RECEPTACLE (20A SEPARATE DEDICATED NEMA 5-20R)
   * TO BE SUPPLIED/INSTALLED BY OWNER'S VENDOR (GC/ELECTRICIAN)

   FOR INSTALLER (SEE IT-201, IT-202 , IT-203)

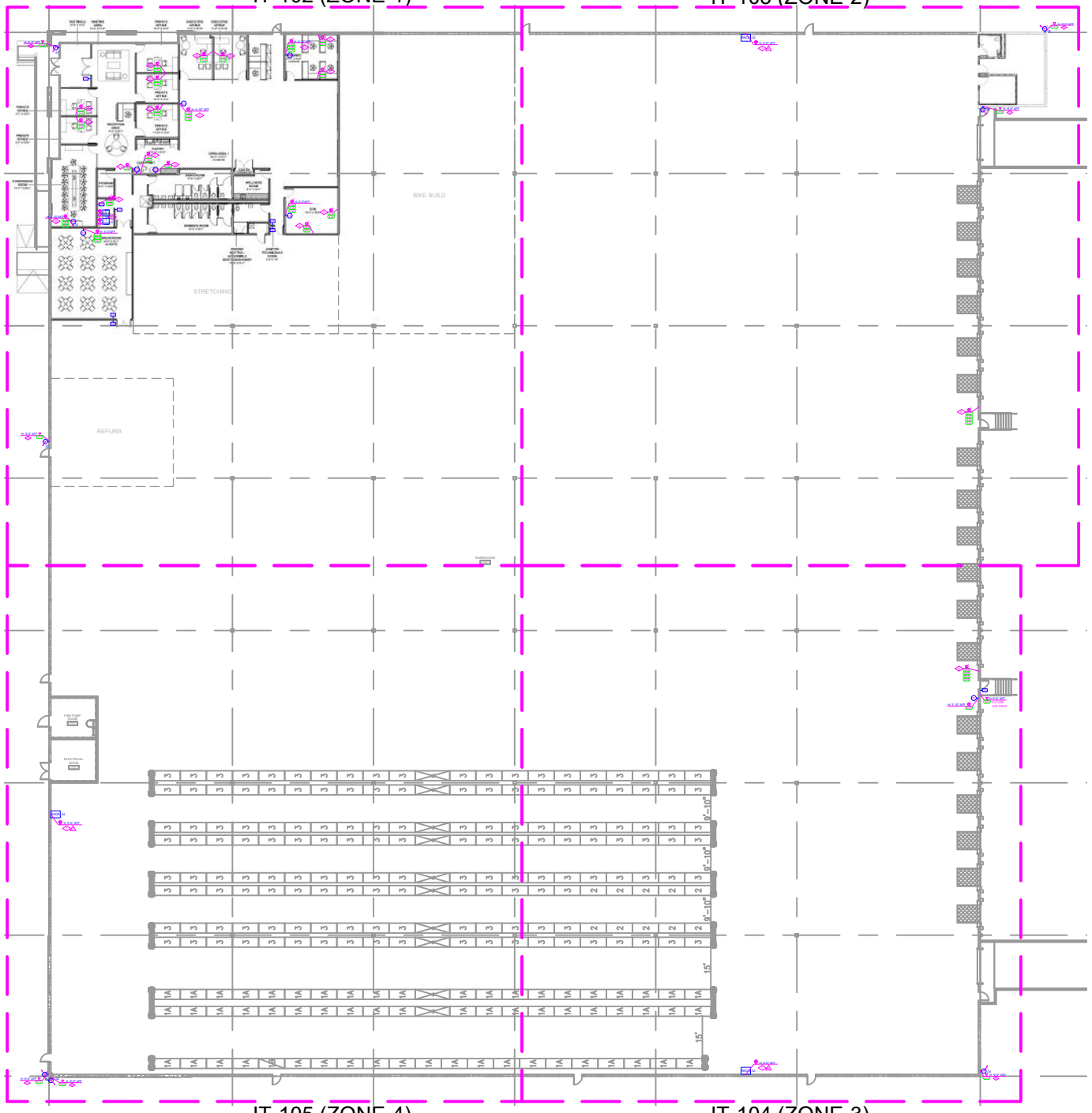
2. WAP-OFFICE (DROP CEILING MOUNTED) (SEE IT-211 # 02 FOR ELEVATION)
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   - (SEE IT-122 & 123 FOR PREDICTIVE WIFI COVERAGE AND ANTENNA DIRECTION)
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   TERMINATE WITH RJ-45 PLUG SEE (IT-232 # 01, 02)
   - 10 FT SERVICE LOOP IN OFFICE CEILING
   - 30FT SERVICE LOOP IN WAREHOUSE CEILING
8. ACCESS CONTROL SYSTEM
   - TBD LOCATION BY ACCESS CONTROL VENDOR
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9. DIGITAL SIGNAGE DISPLAY
   - TBD DETAIL LOCATION ON SITE
   - SEE IT-124 # 01 FOR ELEVATION
10. VIRTUAL MEETING DISPLAY
    - TBD DETAIL LOCATION ON SITE
    - SEE IT-124 # 02, 03 FOR ELEVATION
11. CEILING MOUNTED DATA
    - TBD DETAIL LOCATION ON SITE
    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

NO.	DATE	

DWG TITLE	DRAWING INDEX AND GENERAL NOTES
DWG/REV NO.	IT-001

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FLOOR PLAN (OVERVIEW) 01

CLIENT / PROJECT:

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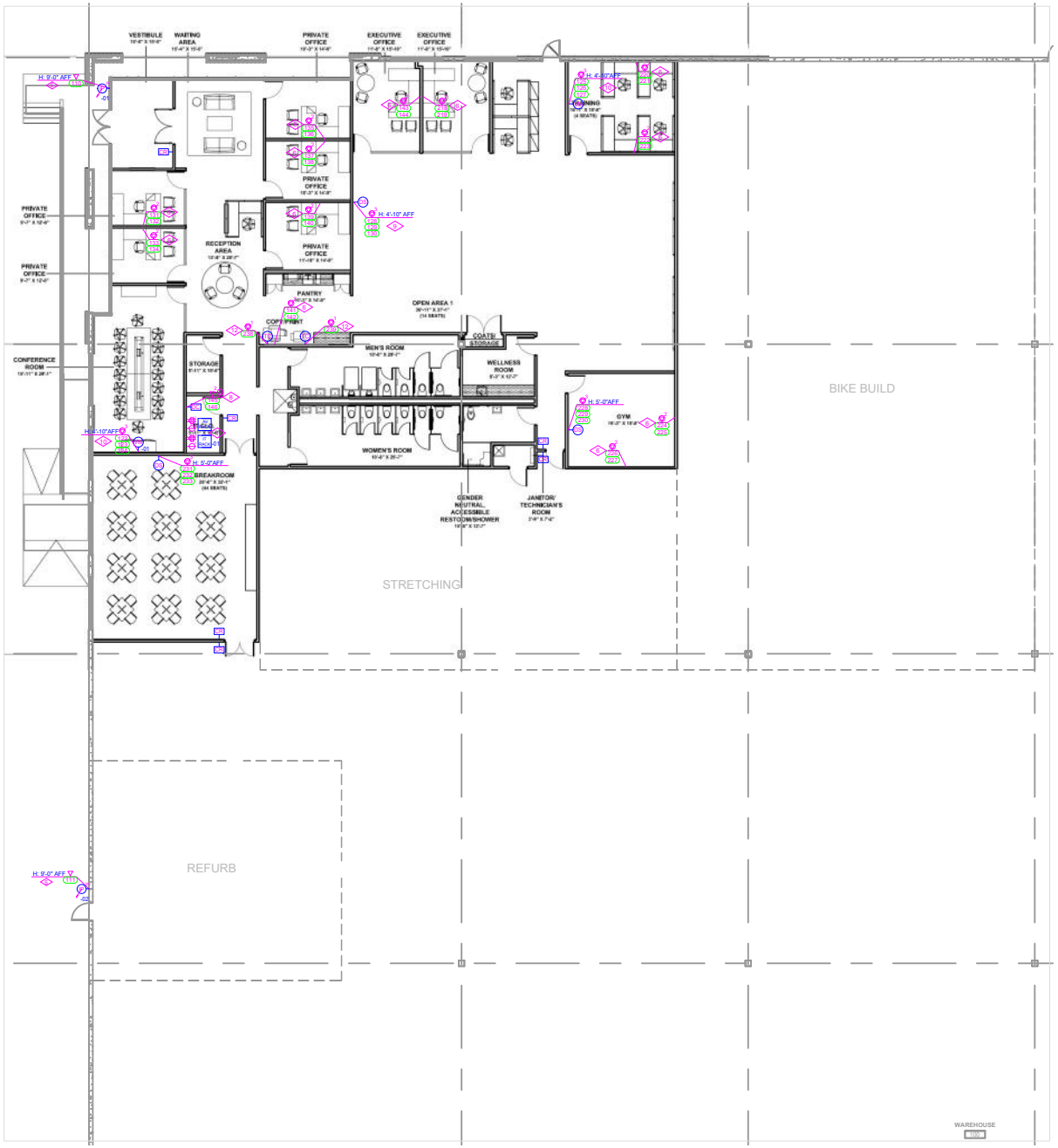
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12. TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

NO.	DATE	

DWG TITLE	FLOOR PLAN (OVERVIEW)
DWG/REV NO.	IT-101

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FLOOR PLAN - ZONE 1 01



OVERVIEW

CLIENT / PROJECT:

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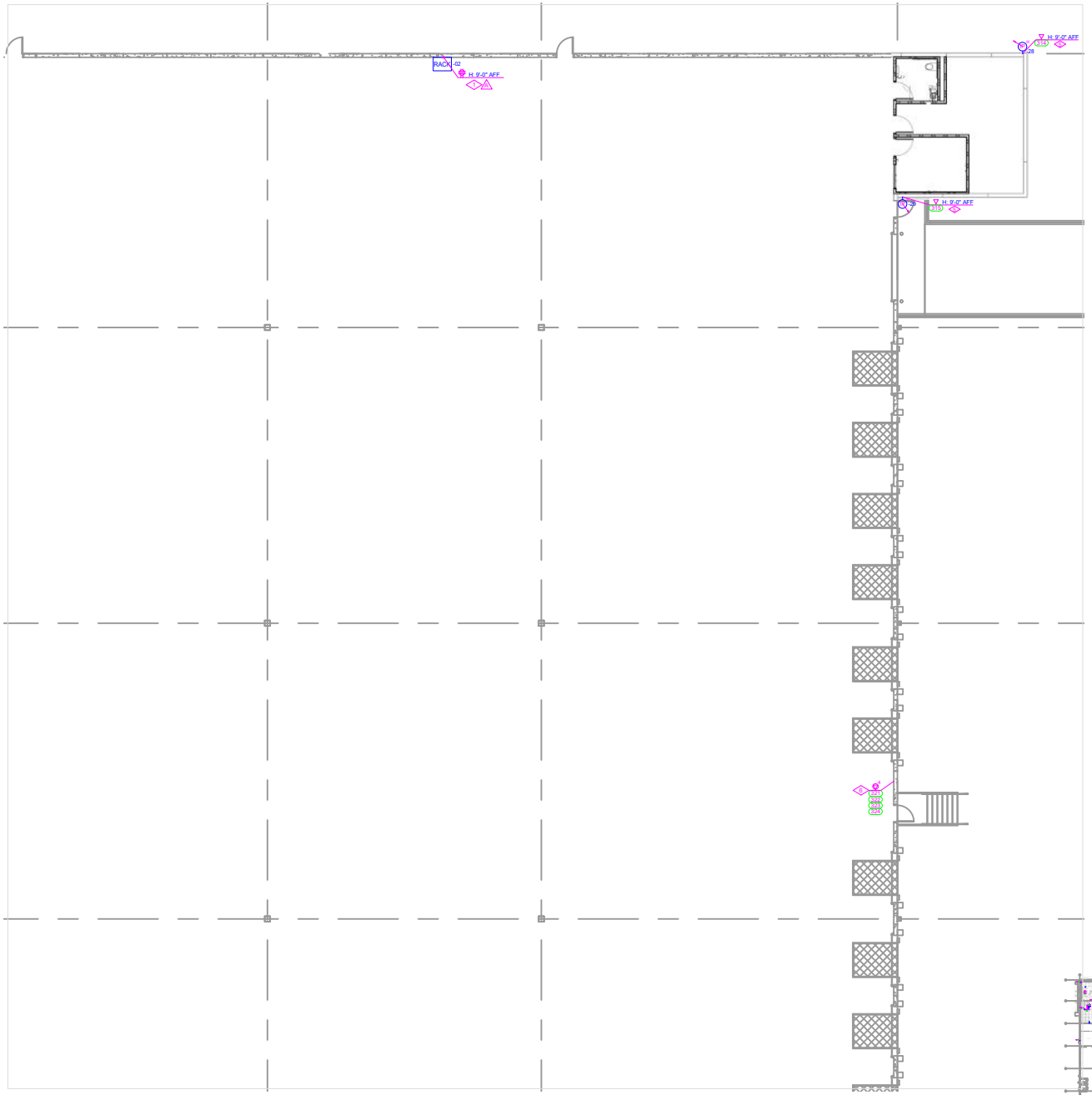
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REVISION:

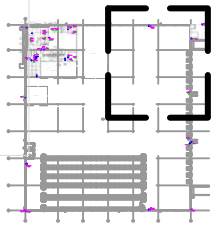
NO.	DATE	

DWG TITLE	FLOOR PLAN - ZONE 1
DWG/REV NO.	IT-102

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FLOOR PLAN - ZONE 2 01



OVERVIEW

CLIENT / PROJECT:

NOTES:

1. IT-RACK

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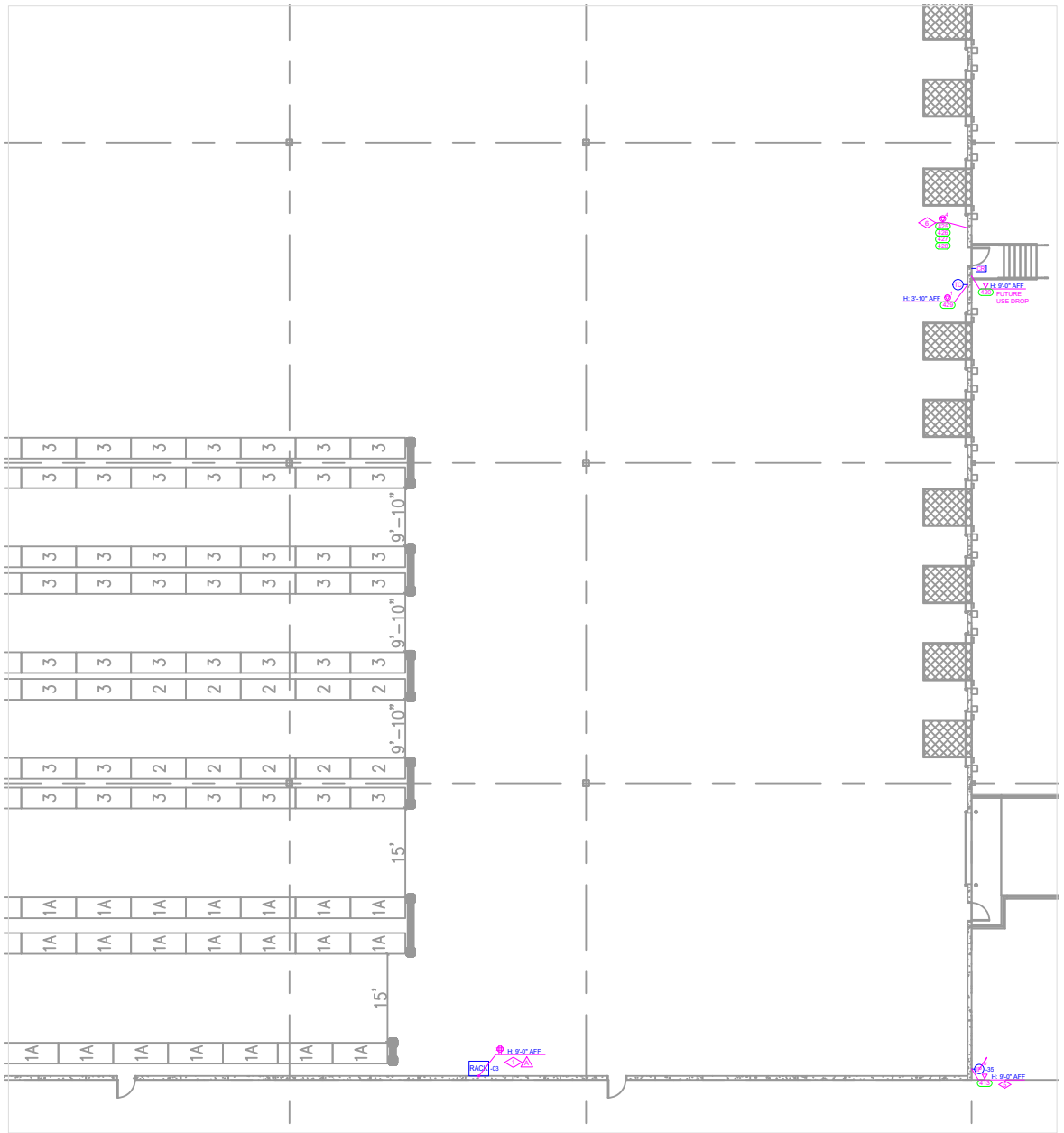
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    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

NO.	DATE	

DWG TITLE	FLOOR PLAN - ZONE 2
DWG/REV NO.	IT-103

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FLOOR PLAN - ZONE 3 01



OVERVIEW

CLIENT / PROJECT:

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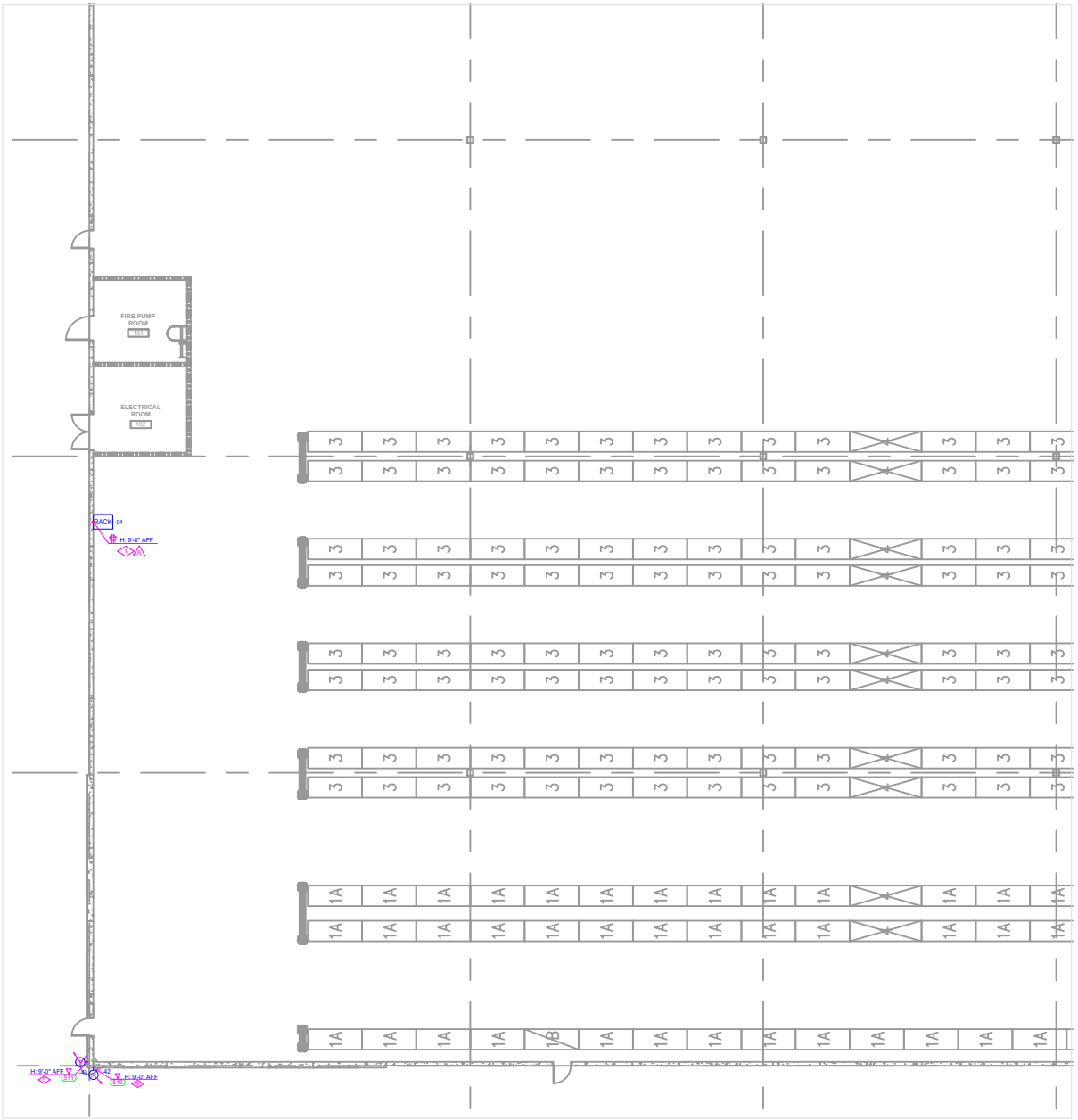
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REVISION:

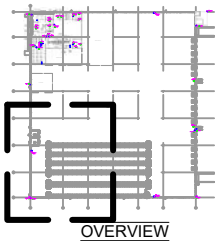
NO.	DATE	

DWG TITLE	FLOOR PLAN - ZONE 3
DWG/REV NO.	IT-104

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FLOOR PLAN - ZONE 4 01



OVERVIEW

CLIENT / PROJECT:

NOTES:

1. IT-RACK

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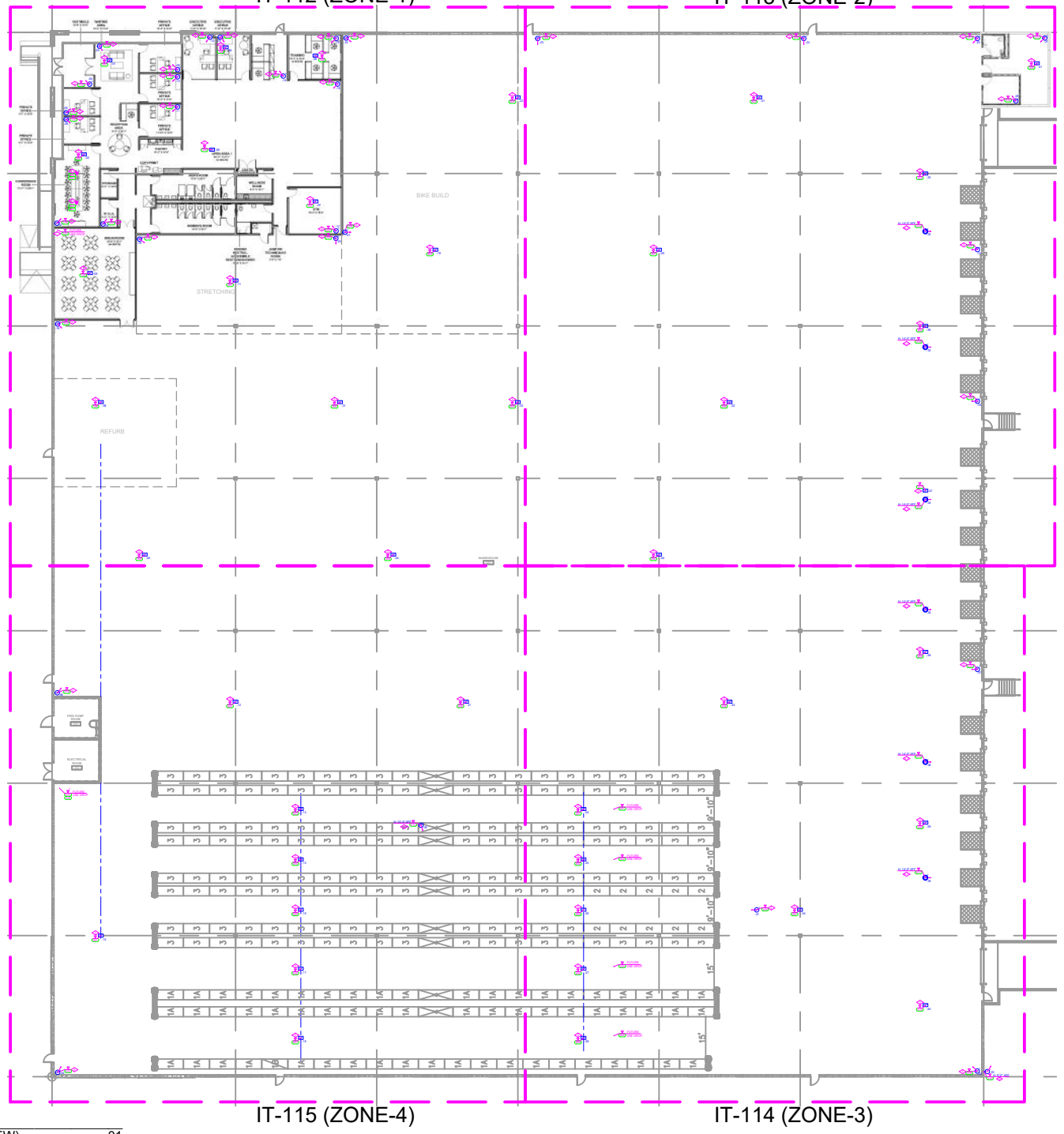
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    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

NO.	DATE	

DWG TITLE	FLOOR PLAN - ZONE 4
DWG/REV NO.	IT-105

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CEILING PLAN (OVERVIEW) 01

CLIENT / PROJECT:

NOTES:

1. IT-RACK

   INFRASTRUTURE REQUIREMENT (SEE IT- 201)

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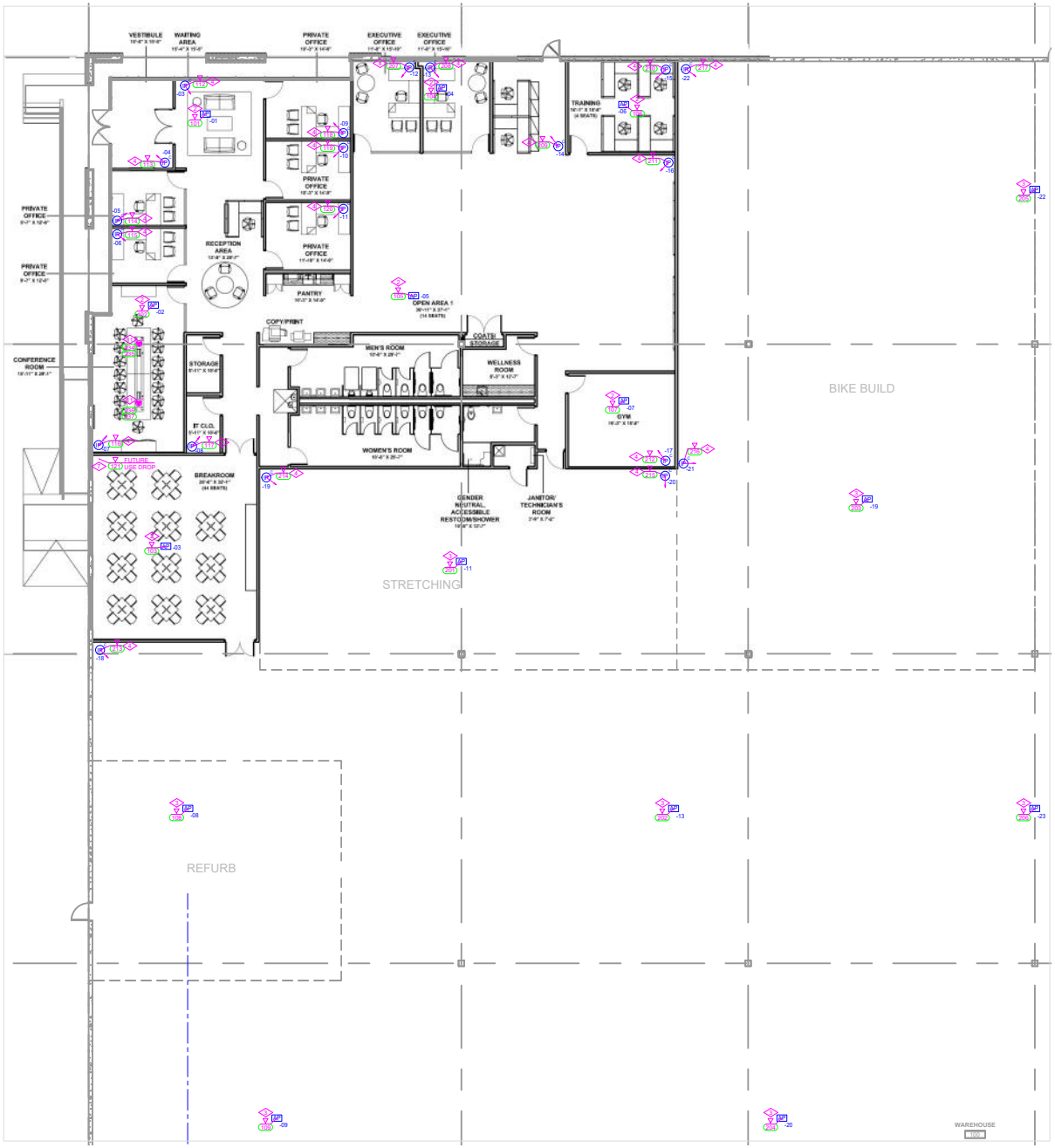
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12. TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

NO.	DATE	

DWG TITLE	CEILING PLAN (OVERVIEW)
DWG/REV NO.	IT-111

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CEILING PLAN - ZONE 1 01



OVERVIEW

CLIENT / PROJECT:

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12. TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

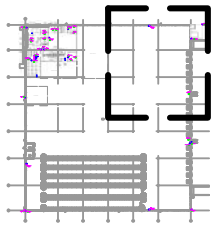
NO.	DATE	

DWG TITLE	CEILING PLAN - ZONE 1
DWG/REV NO.	IT-112

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CEILING PLAN - ZONE 2 01



OVERVIEW

CLIENT / PROJECT:

NOTES:

1. IT-RACK

   INFRASTRUTURE REQUIREMENT (SEE IT- 201)

   -1x ELECTRICAL QUAD RECEPTACLE (20A SEPARATE DEDICATED NEMA 5-20R)
   * TO BE SUPPLIED/INSTALLED BY OWNER'S VENDOR (GC/ELECTRICIAN)

   FOR INSTALLER (SEE IT-201, IT-202 , IT-203)

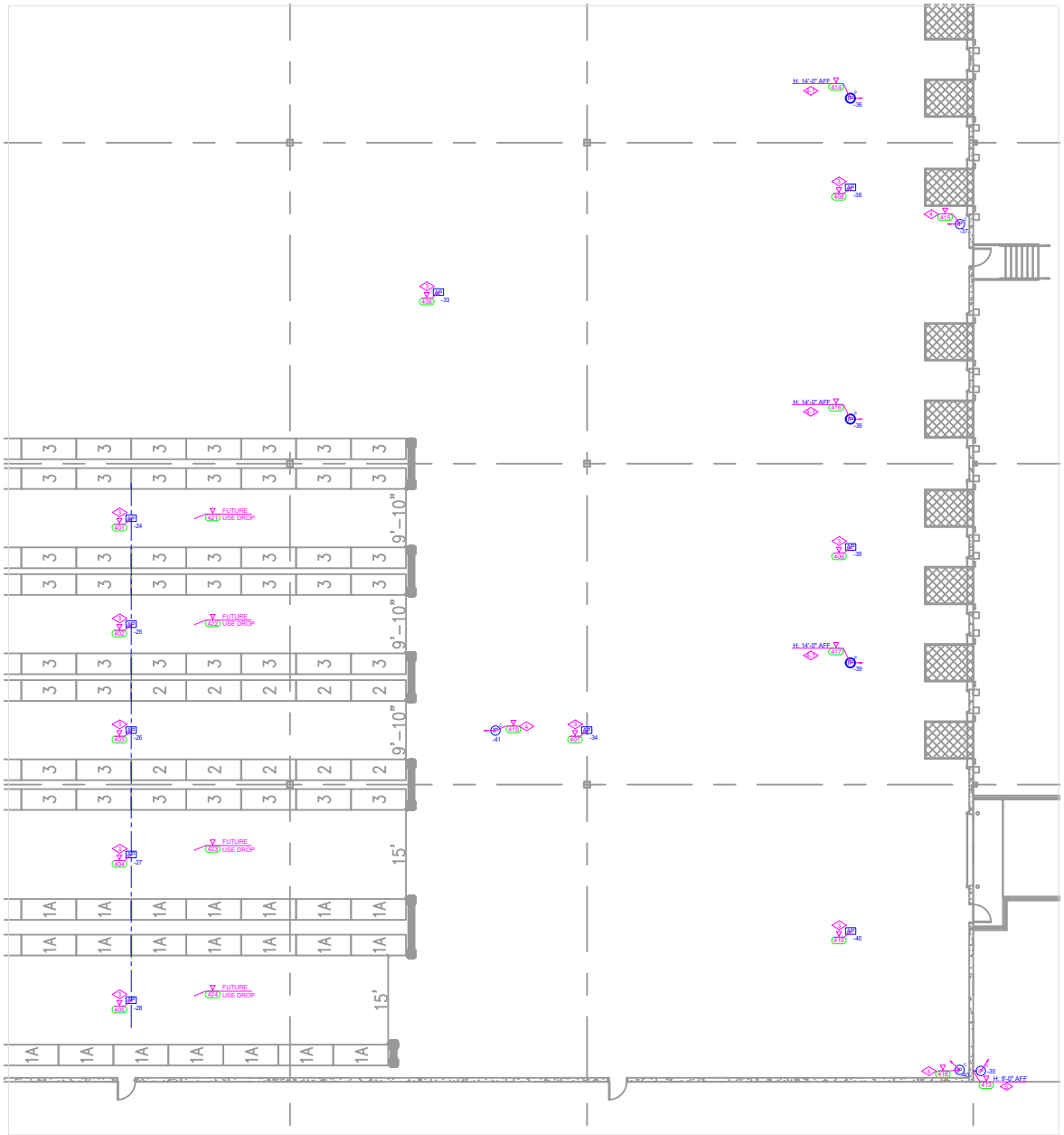
2. WAP-OFFICE (DROP CEILING MOUNTED) (SEE IT-211 # 02 FOR ELEVATION)
3. WAP-WAREHOUSE
   - (SEE IT-212 & 213 FOR AP AND ANTENNA DETAILS)
   - (SEE IT-122 & 123 FOR PREDICTIVE WIFI COVERAGE AND ANTENNA DIRECTION)
4. INDOOR CAMERA (SEE IT-221 # 02 AND 03)
4-1. INDOOR PENDANT CAMERA (SEE IT-221 # 04)
5. OUTDOOR CAMERA (SEE IT-221 # 05, 06)
6. DATA OUTLET LOCATION (SEE IT-231 AND IT-232)
7. FUTURE USE DATA AT CEILING
   TERMINATE WITH RJ-45 PLUG SEE (IT-232 # 01, 02)
   - 10 FT SERVICE LOOP IN OFFICE CEILING
   - 30FT SERVICE LOOP IN WAREHOUSE CEILING
8. ACCESS CONTROL SYSTEM
   - TBD LOCATION BY ACCESS CONTROL VENDOR
   - SEE IT-210 FOR INFRASTRUCTURE DETAIL AND ELEVATION
9. DIGITAL SIGNAGE DISPLAY
   - TBD DETAIL LOCATION ON SITE
   - SEE IT-124 # 01 FOR ELEVATION
10. VIRTUAL MEETING DISPLAY
    - TBD DETAIL LOCATION ON SITE
    - SEE IT-124 # 02, 03 FOR ELEVATION
11. CEILING MOUNTED DATA
    - TBD DETAIL LOCATION ON SITE
    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

NO.	DATE	

DWG TITLE	CEILING PLAN - ZONE 2
DWG/REV NO.	IT-113

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CEILING PLAN - ZONE 3 01



OVERVIEW

CLIENT / PROJECT:

NOTES:

1. IT-RACK

   INFRASTRUTURE REQUIREMENT (SEE IT- 201)

   -1x ELECTRICAL QUAD RECEPTACLE (20A SEPARATE DEDICATED NEMA 5-20R)
   * TO BE SUPPLIED/INSTALLED BY OWNER'S VENDOR (GC/ELECTRICIAN)

   FOR INSTALLER (SEE IT-201, IT-202 , IT-203)

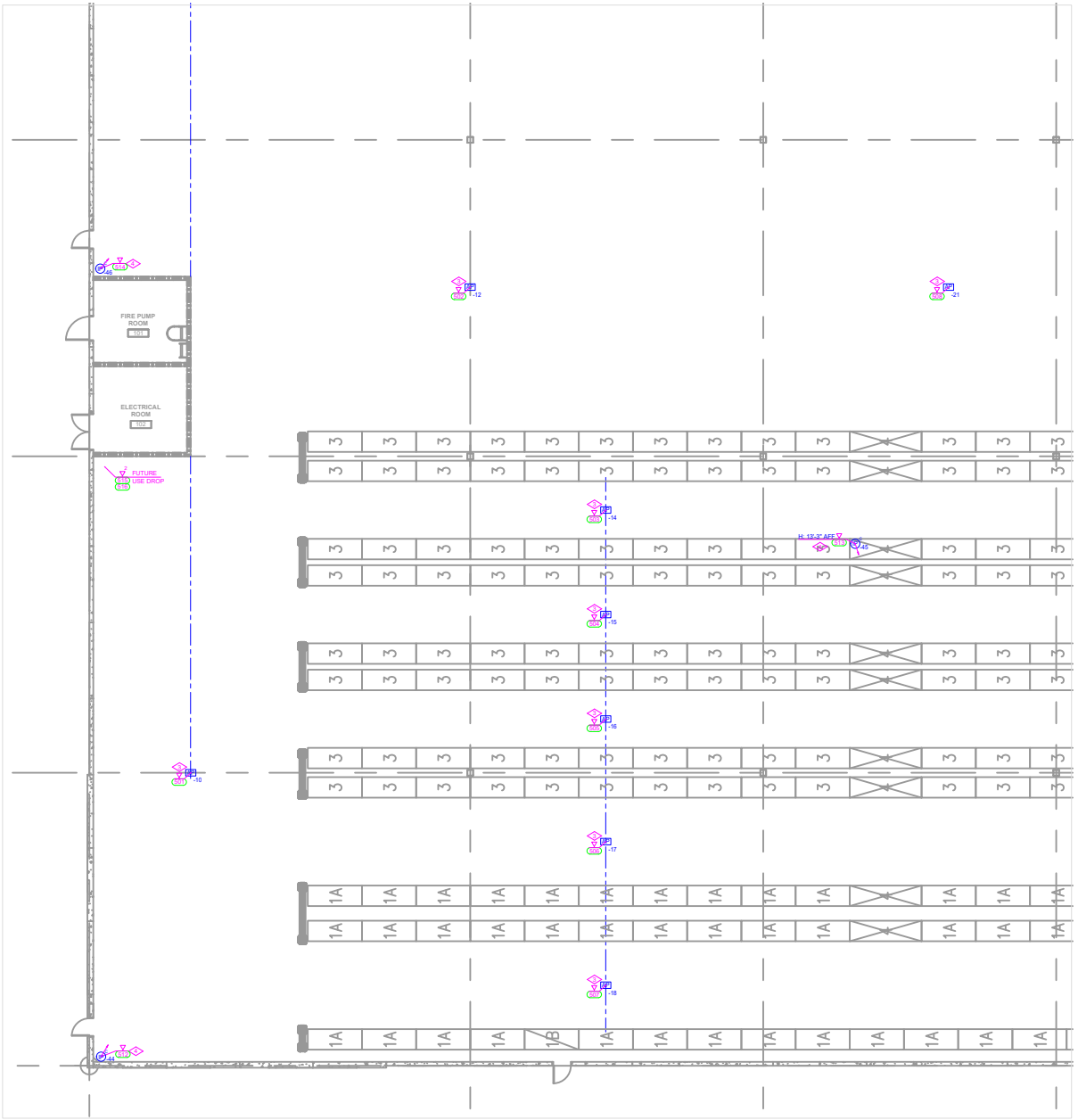
2. WAP-OFFICE (DROP CEILING MOUNTED) (SEE IT-211 # 02 FOR ELEVATION)
3. WAP-WAREHOUSE
   - (SEE IT-212 & 213 FOR AP AND ANTENNA DETAILS)
   - (SEE IT-122 & 123 FOR PREDICTIVE WIFI COVERAGE AND ANTENNA DIRECTION)
4. INDOOR CAMERA (SEE IT-221 # 02 AND 03)
4-1. INDOOR PENDANT CAMERA (SEE IT-221 # 04)
5. OUTDOOR CAMERA (SEE IT-221 # 05, 06)
6. DATA OUTLET LOCATION (SEE IT-231 AND IT-232)
7. FUTURE USE DATA AT CEILING
   TERMINATE WITH RJ-45 PLUG SEE (IT-232 # 01, 02)
   - 10 FT SERVICE LOOP IN OFFICE CEILING
   - 30FT SERVICE LOOP IN WAREHOUSE CEILING
8. ACCESS CONTROL SYSTEM
   - TBD LOCATION BY ACCESS CONTROL VENDOR
   - SEE IT-210 FOR INFRASTRUCTURE DETAIL AND ELEVATION
9. DIGITAL SIGNAGE DISPLAY
   - TBD DETAIL LOCATION ON SITE
   - SEE IT-124 # 01 FOR ELEVATION
10. VIRTUAL MEETING DISPLAY
    - TBD DETAIL LOCATION ON SITE
    - SEE IT-124 # 02, 03 FOR ELEVATION
11. CEILING MOUNTED DATA
    - TBD DETAIL LOCATION ON SITE
    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

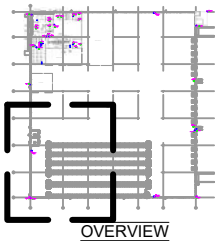
NO.	DATE	

DWG TITLE	CEILING PLAN - ZONE 3
DWG/REV NO.	IT-114

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CEILING PLAN - ZONE 4 01



OVERVIEW

CLIENT / PROJECT:

NOTES:

1. IT-RACK

   INFRASTRUTURE REQUIREMENT (SEE IT- 201)

   -1x ELECTRICAL QUAD RECEPTACLE (20A SEPARATE DEDICATED NEMA 5-20R)
   * TO BE SUPPLIED/INSTALLED BY OWNER'S VENDOR (GC/ELECTRICIAN)

   FOR INSTALLER (SEE IT-201, IT-202 , IT-203)

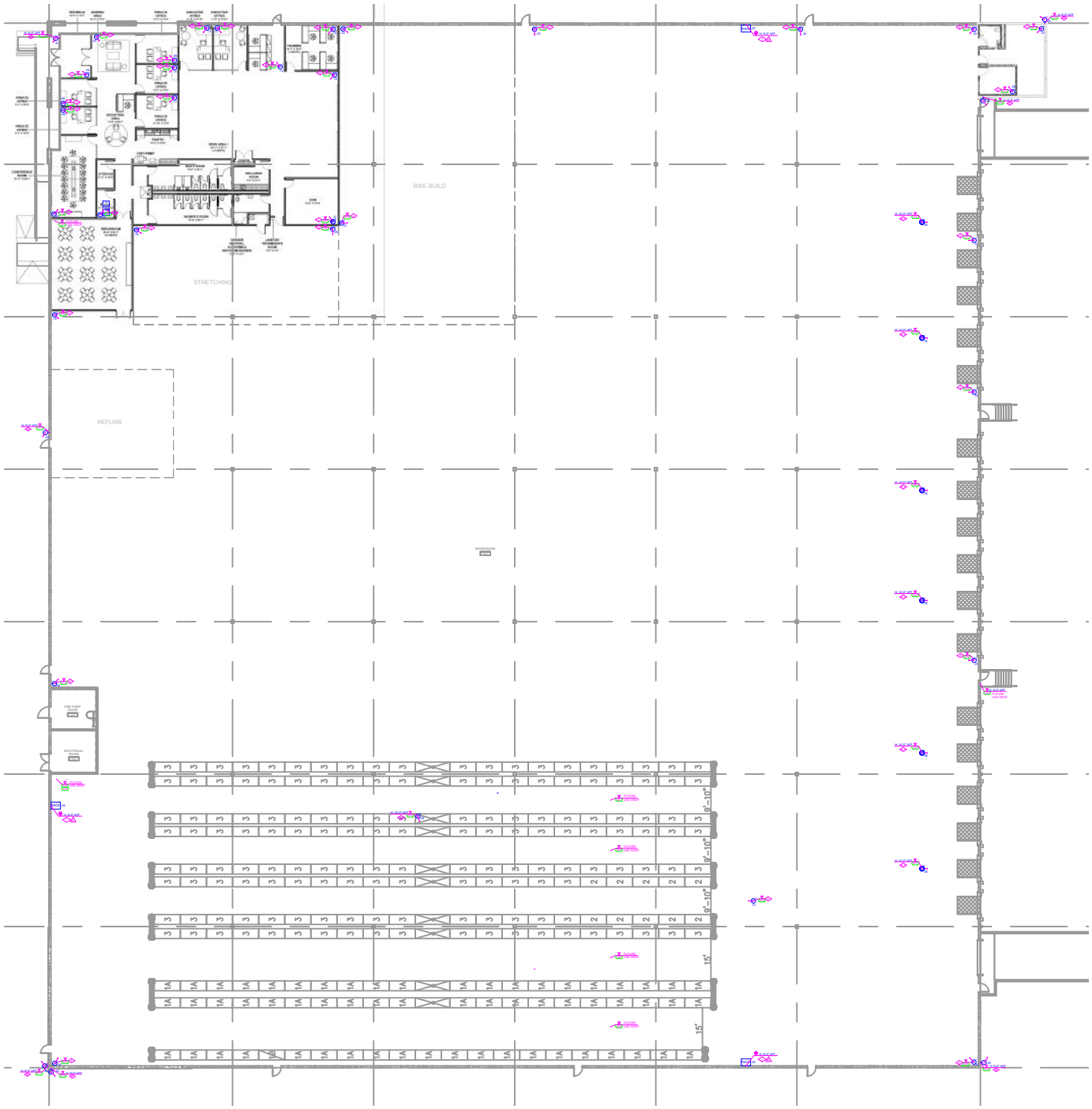
2. WAP-OFFICE (DROP CEILING MOUNTED) (SEE IT-211 # 02 FOR ELEVATION)
3. WAP-WAREHOUSE
   - (SEE IT-212 & 213 FOR AP AND ANTENNA DETAILS)
   - (SEE IT-122 & 123 FOR PREDICTIVE WIFI COVERAGE AND ANTENNA DIRECTION)
4. INDOOR CAMERA (SEE IT-221 # 02 AND 03)
4-1. INDOOR PENDANT CAMERA (SEE IT-221 # 04)
5. OUTDOOR CAMERA (SEE IT-221 # 05, 06)
6. DATA OUTLET LOCATION (SEE IT-231 AND IT-232)
7. FUTURE USE DATA AT CEILING TERMINATE WITH RJ-45 PLUG SEE (IT-232 # 01, 02)
   - 10 FT SERVICE LOOP IN OFFICE CEILING
   - 30FT SERVICE LOOP IN WAREHOUSE CEILING
8. ACCESS CONTROL SYSTEM
   - TBD LOCATION BY ACCESS CONTROL VENDOR
   - SEE IT-210 FOR INFRASTRUCTURE DETAIL AND ELEVATION
9. DIGITAL SIGNAGE DISPLAY
   - TBD DETAIL LOCATION ON SITE
   - SEE IT-124 # 01 FOR ELEVATION
10. VIRTUAL MEETING DISPLAY
    - TBD DETAIL LOCATION ON SITE
    - SEE IT-124 # 02, 03 FOR ELEVATION
11. CEILING MOUNTED DATA
    - TBD DETAIL LOCATION ON SITE
    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

NO.	DATE	

DWG TITLE	CEILING PLAN - ZONE 4
DWG/REV NO.	IT-115

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CAMERA LOCATIONS (OVERVIEW) 01

CLIENT / PROJECT:

NOTES:

1. IT-RACK

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   -1x ELECTRICAL QUAD RECEPTACLE (20A SEPARATE DEDICATED NEMA 5-20R)
   * TO BE SUPPLIED/INSTALLED BY OWNER'S VENDOR (GC/ELECTRICIAN)

   FOR INSTALLER (SEE IT-201, IT-202 , IT-203)

2. WAP-OFFICE (DROP CEILING MOUNTED) (SEE IT-211 # 02 FOR ELEVATION)
3. WAP-WAREHOUSE
   - (SEE IT-212 & 213 FOR AP AND ANTENNA DETAILS)
   - (SEE IT-122 & 123 FOR PREDICTIVE WIFI COVERAGE AND ANTENNA DIRECTION)
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   TERMINATE WITH RJ-45 PLUG SEE (IT-232 # 01, 02)
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   - 30FT SERVICE LOOP IN WAREHOUSE CEILING
8. ACCESS CONTROL SYSTEM
   - TBD LOCATION BY ACCESS CONTROL VENDOR
   - SEE IT-210 FOR INFRASTRUCTURE DETAIL AND ELEVATION
9. DIGITAL SIGNAGE DISPLAY
   - TBD DETAIL LOCATION ON SITE
   - SEE IT-124 # 01 FOR ELEVATION
10. VIRTUAL MEETING DISPLAY
    - TBD DETAIL LOCATION ON SITE
    - SEE IT-124 # 02, 03 FOR ELEVATION
11. CEILING MOUNTED DATA
    - TBD DETAIL LOCATION ON SITE
    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

NO.	DATE	

DWG TITLE	CAMERA LOCATIONS (OVERVIEW)
DWG/REV NO.	IT-121

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PREDICTIVE WIFI COVERAGE (2.4 GHz) 01

CLIENT / PROJECT:

NOTES:

1. IT-RACK

   INFRASTRUTURE REQUIREMENT (SEE IT- 201)

   -1x ELECTRICAL QUAD RECEPTACLE (20A SEPARATE DEDICATED NEMA 5-20R)
   * TO BE SUPPLIED/INSTALLED BY OWNER'S VENDOR (GC/ELECTRICIAN)

   FOR INSTALLER (SEE IT-201, IT-202 , IT-203)

2. WAP-OFFICE (DROP CEILING MOUNTED) (SEE IT-211 # 02 FOR ELEVATION)
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   - (SEE IT-212 & 213 FOR AP AND ANTENNA DETAILS)
   - (SEE IT-122 & 123 FOR PREDICTIVE WIFI COVERAGE AND ANTENNA DIRECTION)
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   - TBD DETAIL LOCATION ON SITE
   - SEE IT-124 # 01 FOR ELEVATION
10. VIRTUAL MEETING DISPLAY
    - TBD DETAIL LOCATION ON SITE
    - SEE IT-124 # 02, 03 FOR ELEVATION
11. CEILING MOUNTED DATA
    - TBD DETAIL LOCATION ON SITE
    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

NO.	DATE	

DWG TITLE	PREDICTIVE WIFI COVERAGE (2.4 GHz)
DWG/REV NO.	IT-122

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PREDICTIVE WIFI COVERAGE (5 GHz) 01

CLIENT / PROJECT:

NOTES:

1. IT-RACK

   INFRASTRUTURE REQUIREMENT (SEE IT- 201)

   -1x ELECTRICAL QUAD RECEPTACLE (20A SEPARATE DEDICATED NEMA 5-20R)
   * TO BE SUPPLIED/INSTALLED BY OWNER'S VENDOR (GC/ELECTRICIAN)

   FOR INSTALLER (SEE IT-201, IT-202 , IT-203)

2. WAP-OFFICE (DROP CEILING MOUNTED) (SEE IT-211 # 02 FOR ELEVATION)
3. WAP-WAREHOUSE
   - (SEE IT-212 & 213 FOR AP AND ANTENNA DETAILS)
   - (SEE IT-122 & 123 FOR PREDICTIVE WIFI COVERAGE AND ANTENNA DIRECTION)
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4-1. INDOOR PENDANT CAMERA (SEE IT-221 # 04)
5. OUTDOOR CAMERA (SEE IT-221 # 05, 06)
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   - TBD DETAIL LOCATION ON SITE
   - SEE IT-124 # 01 FOR ELEVATION
10. VIRTUAL MEETING DISPLAY
    - TBD DETAIL LOCATION ON SITE
    - SEE IT-124 # 02, 03 FOR ELEVATION
11. CEILING MOUNTED DATA
    - TBD DETAIL LOCATION ON SITE
    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

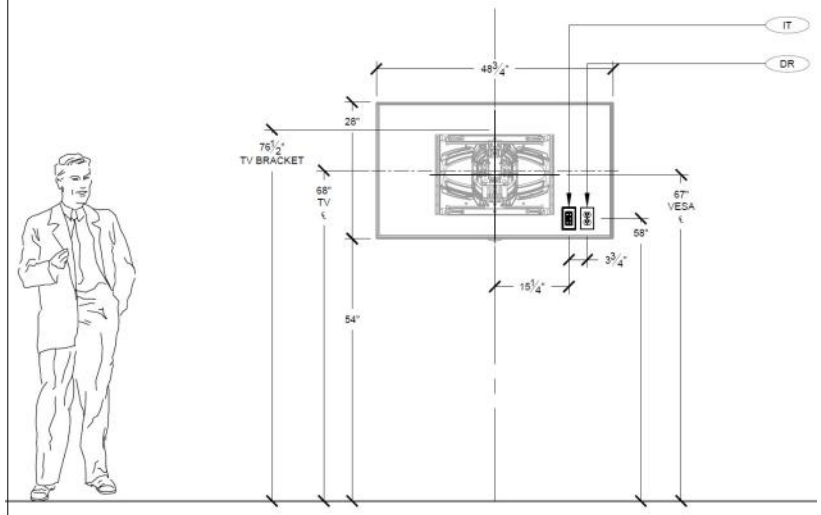
REVISION:

NO.	DATE	

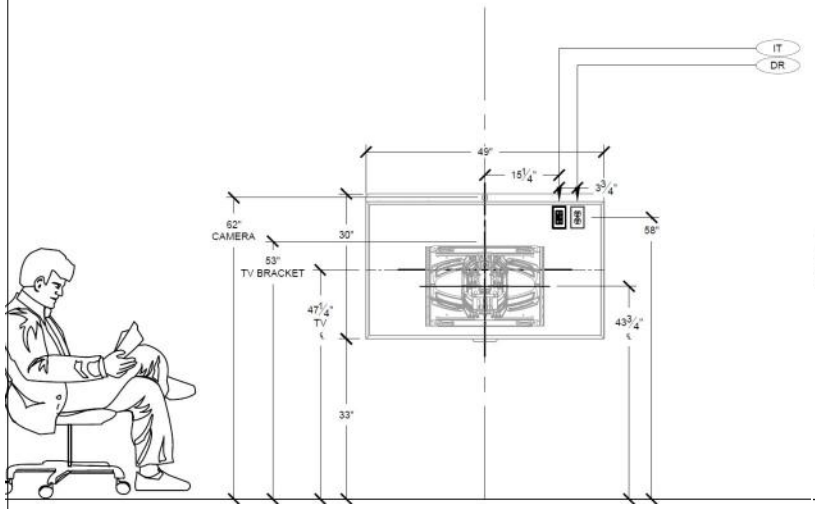
DWG TITLE	PREDICTIVE WIFI COVERAGE (5 GHz)
DWG/REV NO.	IT-123

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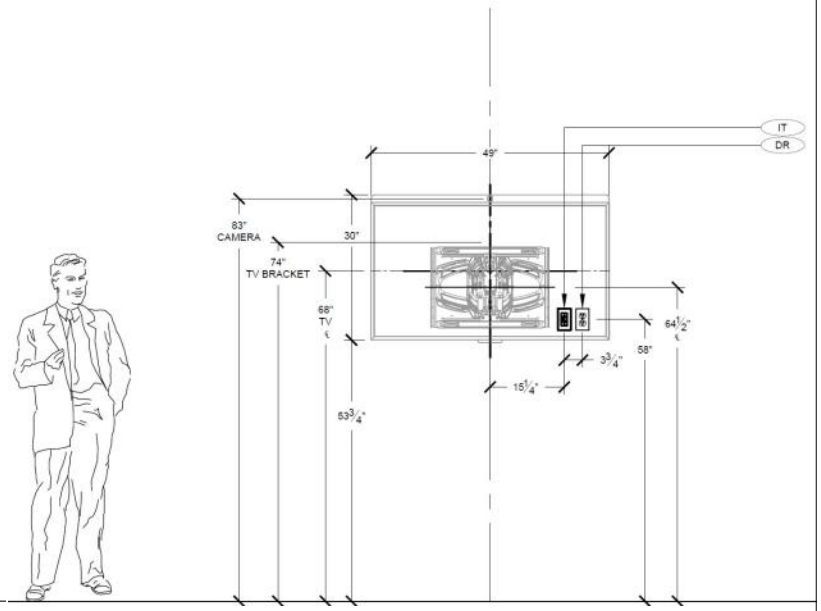
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DIGITAL SIGNAGE: PPI'S ELEVATION FOR REFERENCE 01



VIRTUAL MEETING (SEATED): PPI'S ELEVATION FOR REFERENCE 02



VIRTUAL MEETING (STANDING): PPI'S ELEVATION FOR REFERENCE 03

CLIENT / PROJECT:

NOTES:

1. IT-RACK

   INFRASTRUTURE REQUIREMENT (SEE IT- 201)

   -1x ELECTRICAL QUAD RECEPTACLE (20A SEPARATE DEDICATED NEMA 5-20R)
   * TO BE SUPPLIED/INSTALLED BY OWNER'S VENDOR (GC/ELECTRICIAN)

   FOR INSTALLER (SEE IT-201, IT-202 , IT-203)

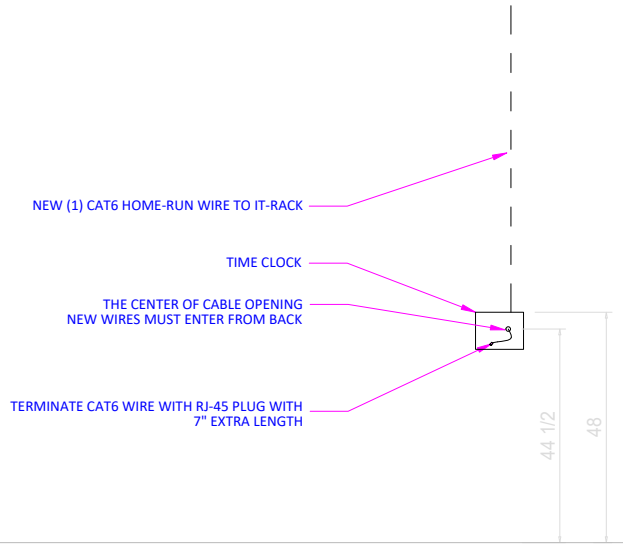
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   - SEE IT-124 # 01 FOR ELEVATION
10. VIRTUAL MEETING DISPLAY
    - TBD DETAIL LOCATION ON SITE
    - SEE IT-124 # 02, 03 FOR ELEVATION
11. CEILING MOUNTED DATA
    - TBD DETAIL LOCATION ON SITE
    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

NO.	DATE	

DWG TITLE	TV ELEVATION
DWG/REV NO.	IT-124

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TIME CLOCK ELEVATION 01

CLIENT / PROJECT:

NOTES:

1. IT-RACK

   INFRASTRUTURE REQUIREMENT (SEE IT- 201)

   -1x ELECTRICAL QUAD RECEPTACLE (20A SEPARATE DEDICATED NEMA 5-20R)
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   FOR INSTALLER (SEE IT-201, IT-202 , IT-203)

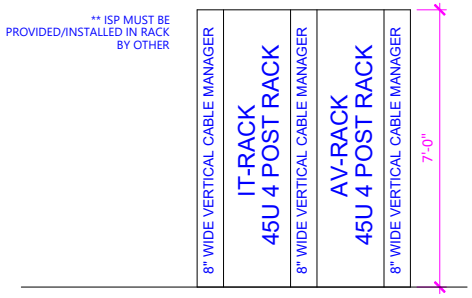
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   - TBD DETAIL LOCATION ON SITE
   - SEE IT-124 # 01 FOR ELEVATION
10. VIRTUAL MEETING DISPLAY
    - TBD DETAIL LOCATION ON SITE
    - SEE IT-124 # 02, 03 FOR ELEVATION
11. CEILING MOUNTED DATA
    - TBD DETAIL LOCATION ON SITE
    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

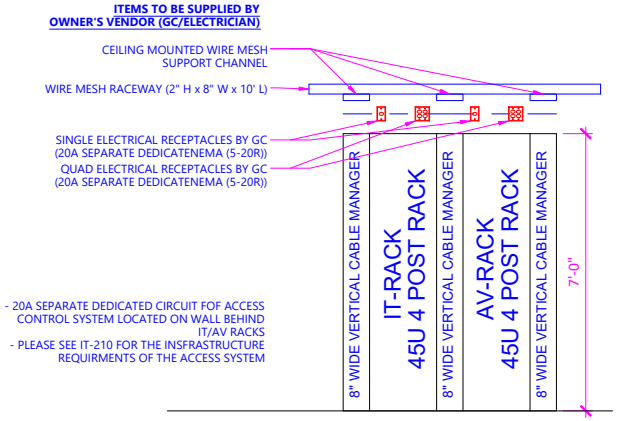
NO.	DATE	

DWG TITLE	TIME CLOCK ELEVATION
DWG/REV NO.	IT-125

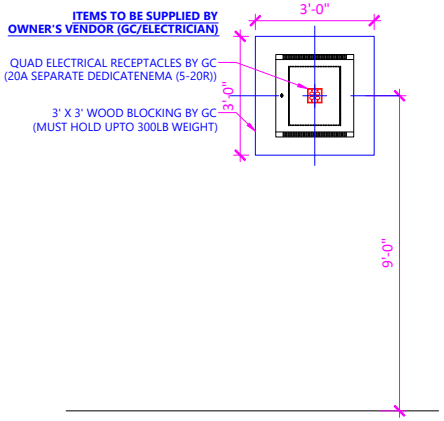
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45U 4 POST RACK-01(PRIMARY RACK) 01



INFRASTRUCTURE FOR RACK-01(PRIMARY RACK) 02



INFRASTRUCTURE FOR RACK-02, 03 AND 04 03

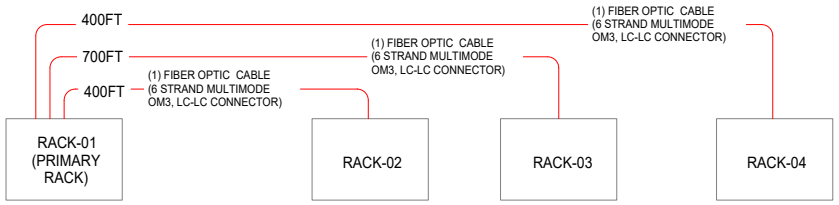
	RACK-01 (PRIMARY RACK)	Power Source
-45	48 PORT PATCH PANEL (101-048)	
-44		
-43	SW-01 48 PORT	IT-PDU
-42	BLANK	
-41	48 PORT PATCH PANEL (201-048)	
-40		
-39	SW-02 48 PORT	IT-PDU
-38	BLANK	
-37	BLANK	
-36	BLANK	
-35	BLANK	
-34	BLANK	
-33	IT-PDU	UPS BATTERY
-32	BLANK	
-31	ISP/FW (2U SHELF)	IT-PDU
-30		
-29	BLANK	
-28	BLANK	
-27	BLANK	
-26	BLANK	
-25	BLANK	
-24	BLANK	
-23	BLANK	
-22	BLANK	
-21	BLANK	
-20	BLANK	
-19	BLANK	
-18	BLANK	
-17	BLANK	
-16	BLANK	
-15	BLANK	
-14	BLANK	
-13	BLANK	
-12	BLANK	
-11	BLANK	
-10	BLANK	
-9	BLANK	
-8	BLANK	
-7	BLANK	
-6	BLANK	
-5	BLANK	
-4	BLANK	
-3	BLANK	
-2	UPS	WALL OUTLET
-1		

	RACK-02	Power Source
-12	48 PORT PATCH PANEL (301-348)	
-11		
-10	SW-03 48 PORT	IT-PDU
-9	BLANK	
-8	BLANK	
-7	BLANK	
-6	BLANK	
-5	BLANK	
-4	IT-PDU	UPS BATTERY
-3	BLANK	
-2	UPS	WALL OUTLET
-1		

	RACK-03	Power Source
-12	48 PORT PATCH PANEL (401-448)	
-11		
-10	SW-04 48 PORT	IT-PDU
-9	BLANK	
-8	BLANK	
-7	BLANK	
-6	BLANK	
-5	BLANK	
-4	IT-PDU	UPS BATTERY
-3	BLANK	
-2	UPS	WALL OUTLET
-1		

	RACK-04	Power Source
-12	48 PORT PATCH PANEL (501-548)	
-11		
-10	SW-05 48 PORT	IT-PDU
-9	BLANK	
-8	BLANK	
-7	BLANK	
-6	BLANK	
-5	BLANK	
-4	IT-PDU	UPS BATTERY
-3	BLANK	
-2	UPS	WALL OUTLET
-1		

RACK-01, 02, 03, 04 LAYOUT AND POWER CONNECTIONS 04



RACK-01, 02, 03 AND RACK-04 INTER-CONNECTIONS 05

CLIENT / PROJECT:

NOTES:

1. IT-RACK

   INFRASTRUTURE REQUIREMENT (SEE IT- 201)

   -1x ELECTRICAL QUAD RECEPTACLE (20A SEPARATE DEDICATED NEMA 5-20R)
   * TO BE SUPPLIED/INSTALLED BY OWNER'S VENDOR (GC/ELECTRICIAN)

   FOR INSTALLER (SEE IT-201, IT-202 , IT-203)

2. WAP-OFFICE (DROP CEILING MOUNTED) (SEE IT-211 # 02 FOR ELEVATION)
3. WAP-WAREHOUSE
   - (SEE IT-212 & 213 FOR AP AND ANTENNA DETAILS)
   - (SEE IT-122 & 123 FOR PREDICTIVE WIFI COVERAGE AND ANTENNA DIRECTION)
4. INDOOR CAMERA (SEE IT-221 # 02 AND 03)
4-1. INDOOR PENDANT CAMERA (SEE IT-221 # 04)
5. OUTDOOR CAMERA (SEE IT-221 # 05, 06)
6. DATA OUTLET LOCATION (SEE IT-231 AND IT-232)
7. FUTURE USE DATA AT CEILING TERMINATE WITH RJ-45 PLUG SEE (IT-232 # 01, 02)
   - 10 FT SERVICE LOOP IN OFFICE CEILING
   - 30FT SERVICE LOOP IN WAREHOUSE CEILING
8. ACCESS CONTROL SYSTEM
   - TBD LOCATION BY ACCESS CONTROL VENDOR
   - SEE IT-210 FOR INFRASTRUCTURE DETAIL AND ELEVATION
9. DIGITAL SIGNAGE DISPLAY
   - TBD DETAIL LOCATION ON SITE
   - SEE IT-124 # 01 FOR ELEVATION
10. VIRTUAL MEETING DISPLAY
    - TBD DETAIL LOCATION ON SITE
    - SEE IT-124 # 02, 03 FOR ELEVATION
11. CEILING MOUNTED DATA
    - TBD DETAIL LOCATION ON SITE
    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

NO.	DATE	

DWG TITLE	RACK DETAIL
DWG/REV NO.	IT-201

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RACK-01 (ZONE 1)		
SW-DATA-1		
Interface	Connected Device	Connected Port
1	AP-01 (OFFICE)	
2	AP-02 (OFFICE)	
3	AP-03 (OFFICE)	
4	AP-04 (OFFICE)	
5	AP-05 (OFFICE)	
6	AP-06 (OFFICE)	
7	AP-07 (OFFICE)	
8	AP-08	
9	AP-09	
10	CAM-01 (OUTDOOR)	
11	CAM-02 (OUTDOOR)	
12	CAM-03 (OFFICE)	
13	CAM-04 (OFFICE)	
14	CAM-05 (OFFICE)	
15	CAM-06 (OFFICE)	
16	CAM-07 (OFFICE)	
17	CAM-08 (OFFICE)	
18	CAM-09 (OFFICE)	
19	CAM-10 (OFFICE)	
20	CAM-11 (OFFICE)	
21	FUTURE USE (OFFICE)	
22	VIRTUAL MEETING 1-1	
23	VIRTUAL MEETING 1-2	
24	VIRTUAL MEETING 1-3	
25	VIRTUAL MEETING 2-1	
26	VIRTUAL MEETING 2-2	
27	VIRTUAL MEETING 2-3	
28	DIGITAL SIGNAGE 1-1	
29	DIGITAL SIGNAGE 1-2	
30	DIGITAL SIGNAGE 1-3	
31	DATA OUTLET 1-1	
32	DATA OUTLET 1-2	
33	DATA OUTLET 2-1	
34	DATA OUTLET 2-2	
35	DATA OUTLET 3-1	
36	DATA OUTLET 3-2	
37	DATA OUTLET 4-1	
38	DATA OUTLET 4-2	
39	DATA OUTLET 5-1	
40	DATA OUTLET 5-2	
41	DATA OUTLET 6-1	
42	DATA OUTLET 6-2	
43	DATA OUTLET 7-1	
44	DATA OUTLET 7-2	
45	DOOR CONTROLLER-01	
46	DOOR CONTROLLER-02	
47	UPS	
48	FW	3
49 (SFP)	SW-DATA-3	49
50 (SFP)	SW-DATA-4	49
51 (SFP)	SW-DATA-5	49
52 (SFP)	-	

RACK-01 (ZONE 1)		
SW-DATA-2		
Interface	Connected Device	Connected Port
1	AP-11	
2	AP-13	
3	AP-19	
4	AP-20	
5	AP-22	
6	AP-23	
7	CAM-12 (OFFICE)	
8	CAM-13 (OFFICE)	
9	CAM-14 (OFFICE)	
10	CAM-15 (OFFICE)	
11	CAM-16 (OFFICE)	
12	CAM-17 (OFFICE)	
13	CAM-18 (W.H)	
14	CAM-19 (W.H)	
15	CAM-20 (W.H)	
16	CAM-21 (W.H)	
17	CAM-22 (W.H)	
18	DATA OUTLET 8-1	
19	DATA OUTLET 8-2	
20	DATA OUTLET 9-1	
21	DATA OUTLET 9-2	
22	DATA OUTLET 10-1	
23	DATA OUTLET 10-2	
24	DATA OUTLET 11-1	
25	DATA OUTLET 11-2	
26	DATA OUTLET 12-1	
27	DATA OUTLET 12-2	
28	DIGITAL SIGNAGE 2-1	
29	DIGITAL SIGNAGE 2-2	
30	DIGITAL SIGNAGE 2-3	
31	DIGITAL SIGNAGE 3-1	
32	DIGITAL SIGNAGE 3-2	
33	DIGITAL SIGNAGE 3-3	
34	CEILING DATA 1-1	
35	CEILING DATA 1-2	
36	CEILING DATA 2-1	
37	CEILING DATA 2-2	
38	TIME CLOCK -01	
39	TIME CLOCK -02	
40	-	
41	-	
42	-	
43	-	
44	-	
45	-	
46	-	
47	-	
48	FW	4
49 (SFP)	SW-DATA-3	50
50 (SFP)	SW-DATA-4	50
51 (SFP)	SW-DATA-5	50
52 (SFP)	-	

RACK-02 (ZONE 2)		
SW-DATA-3		
Interface	Connected Device	Connected Port
1	AP-29	
2	AP-30	
3	AP-31	
4	AP-32	
5	AP-35	
6	AP-36	
7	AP-37	
8	AP-41 (O.B OFFICE)	
9	CAM-23 (W.H)	
10	CAM-24 (W.H)	
11	CAM-25 (W.H)	
12	CAM-26 (O.B OFFICE)	
13	CAM-27 (O.B OFFICE)	
14	CAM-28 (OUTDOOR)	
15	CAM-29 (OUTDOOR)	
16	CAM-30 (W.H)	
17	CAM-31 (W.H)	
18	CAM-32 (W.H)	
19	CAM-33 (W.H)	
20	CAM-34 (W.H)	
21	WMS 2-1	
22	WMS 2-2	
23	WMS 2-3	
24	WMS 2-4	
25	-	
26	-	
27	-	
28	-	
29	-	
30	-	
31	-	
32	-	
33	-	
34	-	
35	-	
36	-	
37	-	
38	-	
39	-	
40	-	
41	-	
42	-	
43	-	
44	-	
45	-	
46	-	
47	UPS	
48	-	
49 (SFP)	SW-DATA-1	49
50 (SFP)	SW-DATA-2	49
51 (SFP)	-	
52 (SFP)	-	

RACK-03 (ZONE 3)		
SW-DATA-4		
Interface	Connected Device	Connected Port
1	AP-24	
2	AP-25	
3	AP-26	
4	AP-27	
5	AP-28	
6	AP-33	
7	AP-34	
8	AP-38	
9	AP-39	
10	AP-40	
11	-	
12	-	
13	CAM-35 (OUTDOOR)	
14	CAM-36 (W.H)	
15	CAM-37 (W.H)	
16	CAM-38 (W.H)	
17	CAM-39 (W.H)	
18	CAM-40 (W.H)	
19	CAM-41 (W.H)	
20	FUTURE USE (OUTDOOR)	
21	FUTURE USE (W.H)-1	
22	FUTURE USE (W.H)-2	
23	FUTURE USE (W.H)-3	
24	FUTURE USE (W.H)-4	
25	WMS 1-1	
26	WMS 1-2	
27	WMS 1-3	
28	WMS 1-4	
29	TIME CLOCK	
30	-	
31	-	
32	-	
33	-	
34	-	
35	-	
36	-	
37	-	
38	-	
39	-	
40	-	
41	-	
42	-	
43	-	
44	-	
45	-	
46	-	
47	UPS	
48	-	
49 (SFP)	SW-DATA-1	50
50 (SFP)	SW-DATA-2	50
51 (SFP)	-	
52 (SFP)	-	

RACK-04 (ZONE 4)		
SW-DATA-5		
Interface	Connected Device	Connected Port
1	AP-10	
2	AP-12	
3	AP-14	
4	AP-15	
5	AP-16	
6	AP-17	
7	AP-18	
8	AP-21	
9	-	
10	CAM-42 (OUTDOOR)	
11	CAM-43 (OUTDOOR)	
12	CAM-44 (W.H)	
13	CAM-45 (W.H)	
14	CAM-46 (W.H)	
15	FUTURE USE (W.H)-5	
16	FUTURE USE (W.H)-6	
17	-	
18	-	
19	-	
20	-	
21	-	
22	-	
23	-	
24	-	
25	-	
26	-	
27	-	
28	-	
29	-	
30	-	
31	-	
32	-	
33	-	
34	-	
35	-	
36	-	
37	-	
38	-	
39	-	
40	-	
41	-	
42	-	
43	-	
44	-	
45	-	
46	-	
47	UPS	
48	-	
49 (SFP)	SW-DATA-1	51
50 (SFP)	SW-DATA-2	51
51 (SFP)	-	
52 (SFP)	-	

SW CHART RACK-01, RACK-02, RACK-03 AND RACK-04 01

FW-1		
Interface	Connected Device	Connected Port
Internet 1	ISP	
Internet 2		
3	SW-DATA-1	48
4	SW-DATA-2	48
5 -12		

INTER-CONNECTION CHART 02

CLIENT / PROJECT:

NOTES:

1. IT-RACK

   INFRASTRUTURE REQUIREMENT (SEE IT- 201)

   -1x ELECTRICAL QUAD RECEPTACLE (20A SEPARATE DEDICATED NEMA 5-20R)
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   FOR INSTALLER (SEE IT-201, IT-202 , IT-203)

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4-1. INDOOR PENDANT CAMERA (SEE IT-221 # 04)
5. OUTDOOR CAMERA (SEE IT-221 # 05, 06)
6. DATA OUTLET LOCATION (SEE IT-231 AND IT-232)
7. FUTURE USE DATA AT CEILING TERMINATE WITH RJ-45 PLUG SEE (IT-232 # 01, 02)
   - 10 FT SERVICE LOOP IN OFFICE CEILING
   - 30FT SERVICE LOOP IN WAREHOUSE CEILING
8. ACCESS CONTROL SYSTEM
   - TBD LOCATION BY ACCESS CONTROL VENDOR
   - SEE IT-210 FOR INFRASTRUCTURE DETAIL AND ELEVATION
9. DIGITAL SIGNAGE DISPLAY
   - TBD DETAIL LOCATION ON SITE
   - SEE IT-124 # 01 FOR ELEVATION
10. VIRTUAL MEETING DISPLAY
    - TBD DETAIL LOCATION ON SITE
    - SEE IT-124 # 02, 03 FOR ELEVATION
11. CEILING MOUNTED DATA
    - TBD DETAIL LOCATION ON SITE
    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

NO.	DATE	

DWG TITLE	SW AND INTER-CONNECTION CHART
DWG/REV NO.	IT-202

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RACK-01 (ZONE 1)			
PP101-148			
Path Panel	Location	PP CORD (PP)	PP CORD (DEVICE)
101	AP-01 (OFFICE)	8 IN YELLOW	RJ-45 PLUG
102	AP-02 (OFFICE)	8 IN YELLOW	RJ-45 PLUG
103	AP-03 (OFFICE)	8 IN YELLOW	RJ-45 PLUG
104	AP-04 (OFFICE)	8 IN YELLOW	RJ-45 PLUG
105	AP-05 (OFFICE)	8 IN YELLOW	RJ-45 PLUG
106	AP-06 (OFFICE)	8 IN YELLOW	RJ-45 PLUG
107	AP-07 (OFFICE)	8 IN YELLOW	RJ-45 PLUG
108	AP-08	8 IN YELLOW	RJ-45 PLUG
109	AP-09	8 IN YELLOW	RJ-45 PLUG
110	CAM-01 (OUTDOOR)	8 IN RED	RJ-45 PLUG
111	CAM-02 (OUTDOOR)	8 IN RED	RJ-45 PLUG
112	CAM-03 (OFFICE)	8 IN RED	RJ-45 PLUG
113	CAM-04 (OFFICE)	8 IN RED	RJ-45 PLUG
114	CAM-05 (OFFICE)	8 IN RED	RJ-45 PLUG
115	CAM-06 (OFFICE)	8 IN RED	RJ-45 PLUG
116	CAM-07 (OFFICE)	8 IN RED	RJ-45 PLUG
117	CAM-08 (OFFICE)	8 IN RED	RJ-45 PLUG
118	CAM-09 (OFFICE)	8 IN RED	RJ-45 PLUG
119	CAM-10 (OFFICE)	8 IN RED	RJ-45 PLUG
120	CAM-11 (OFFICE)	8 IN RED	RJ-45 PLUG
121	FUTURE USE (OFFICE)	8 IN RED	RJ-45 PLUG
122	VIRTUAL MEETING 1-1	8 IN BLUE	RJ-45 KEYSTONE
123	VIRTUAL MEETING 1-2	8 IN BLUE	RJ-45 KEYSTONE
124	VIRTUAL MEETING 1-3	8 IN BLUE	RJ-45 KEYSTONE
125	VIRTUAL MEETING 2-1	8 IN BLUE	RJ-45 KEYSTONE
126	VIRTUAL MEETING 2-2	8 IN BLUE	RJ-45 KEYSTONE
127	VIRTUAL MEETING 2-3	8 IN BLUE	RJ-45 KEYSTONE
128	DIGITAL SIGNAGE 1-1	8 IN BLUE	RJ-45 KEYSTONE
129	DIGITAL SIGNAGE 1-2	8 IN BLUE	RJ-45 KEYSTONE
130	DIGITAL SIGNAGE 1-3	8 IN BLUE	RJ-45 KEYSTONE
131	DATA OUTLET 1-1	8 IN BLUE	RJ-45 KEYSTONE
132	DATA OUTLET 1-2	8 IN BLUE	RJ-45 KEYSTONE
133	DATA OUTLET 2-1	8 IN BLUE	RJ-45 KEYSTONE
134	DATA OUTLET 2-2	8 IN BLUE	RJ-45 KEYSTONE
135	DATA OUTLET 3-1	8 IN BLUE	RJ-45 KEYSTONE
136	DATA OUTLET 3-2	8 IN BLUE	RJ-45 KEYSTONE
137	DATA OUTLET 4-1	8 IN BLUE	RJ-45 KEYSTONE
138	DATA OUTLET 4-2	8 IN BLUE	RJ-45 KEYSTONE
139	DATA OUTLET 5-1	8 IN BLUE	RJ-45 KEYSTONE
140	DATA OUTLET 5-2	8 IN BLUE	RJ-45 KEYSTONE
141	DATA OUTLET 6-1	8 IN BLUE	RJ-45 KEYSTONE
142	DATA OUTLET 6-2	8 IN BLUE	RJ-45 KEYSTONE
143	DATA OUTLET 7-1	8 IN BLUE	RJ-45 KEYSTONE
144	DATA OUTLET 7-2	8 IN BLUE	RJ-45 KEYSTONE
145	DOOR CONTROLLER-01	8 IN BLUE	RJ-45 PLUG
146	DOOR CONTROLLER-02	8 IN BLUE	RJ-45 PLUG
147	-	-	-
148	-	-	-

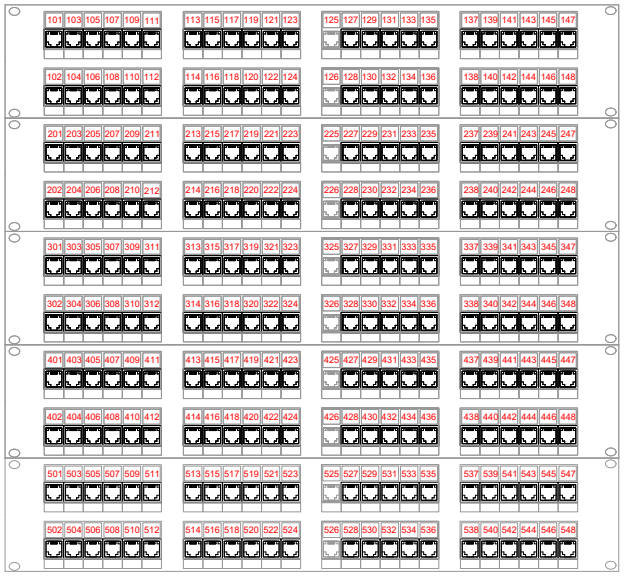
RACK-01 (ZONE 1)			
PP201-248			
Path Panel	Location	PP CORD (PP)	PP CORD (DEVICE)
201	AP-11	8 IN YELLOW	RJ-45 PLUG
202	AP-13	8 IN YELLOW	RJ-45 PLUG
203	AP-19	8 IN YELLOW	RJ-45 PLUG
204	AP-20	8 IN YELLOW	RJ-45 PLUG
205	AP-22	8 IN YELLOW	RJ-45 PLUG
206	AP-23	8 IN YELLOW	RJ-45 PLUG
207	CAM-12 (OFFICE)	8 IN RED	RJ-45 PLUG
208	CAM-13 (OFFICE)	8 IN RED	RJ-45 PLUG
209	CAM-14 (OFFICE)	8 IN RED	RJ-45 PLUG
210	CAM-15 (OFFICE)	8 IN RED	RJ-45 PLUG
211	CAM-16 (OFFICE)	8 IN RED	RJ-45 PLUG
212	CAM-17 (OFFICE)	8 IN RED	RJ-45 PLUG
213	CAM-18 (W.H)	8 IN RED	RJ-45 PLUG
214	CAM-19 (W.H)	8 IN RED	RJ-45 PLUG
215	CAM-20 (W.H)	8 IN RED	RJ-45 PLUG
216	CAM-21 (W.H)	8 IN RED	RJ-45 PLUG
217	CAM-22 (W.H)	8 IN RED	RJ-45 PLUG
218	DATA OUTLET 8-1	8 IN BLUE	RJ-45 KEYSTONE
219	DATA OUTLET 8-2	8 IN BLUE	RJ-45 KEYSTONE
220	DATA OUTLET 9-1	8 IN BLUE	RJ-45 KEYSTONE
221	DATA OUTLET 9-2	8 IN BLUE	RJ-45 KEYSTONE
222	DATA OUTLET 10-1	8 IN BLUE	RJ-45 KEYSTONE
223	DATA OUTLET 10-2	8 IN BLUE	RJ-45 KEYSTONE
224	DATA OUTLET 11-1	8 IN BLUE	RJ-45 KEYSTONE
225	DATA OUTLET 11-2	8 IN BLUE	RJ-45 KEYSTONE
226	DATA OUTLET 12-1	8 IN BLUE	RJ-45 KEYSTONE
227	DATA OUTLET 12-2	8 IN BLUE	RJ-45 KEYSTONE
228	DIGITAL SIGNAGE 2-1	8 IN BLUE	RJ-45 KEYSTONE
229	DIGITAL SIGNAGE 2-2	8 IN BLUE	RJ-45 KEYSTONE
230	DIGITAL SIGNAGE 2-3	8 IN BLUE	RJ-45 KEYSTONE
231	DIGITAL SIGNAGE 3-1	8 IN BLUE	RJ-45 KEYSTONE
232	DIGITAL SIGNAGE 3-2	8 IN BLUE	RJ-45 KEYSTONE
233	DIGITAL SIGNAGE 3-3	8 IN BLUE	RJ-45 KEYSTONE
234	CEILING DATA 1-1	8 IN BLUE	RJ-45 KEYSTONE
235	CEILING DATA 1-2	8 IN BLUE	RJ-45 KEYSTONE
236	CEILING DATA 2-1	8 IN BLUE	RJ-45 KEYSTONE
237	CEILING DATA 2-2	8 IN BLUE	RJ-45 KEYSTONE
238	TIME CLOCK -01	8 IN BLUE	RJ-45 PLUG
239	TIME CLOCK -02	8 IN BLUE	RJ-45 PLUG
240	-	-	-
241	-	-	-
242	-	-	-
243	-	-	-
244	-	-	-
245	-	-	-
246	-	-	-
247	-	-	-
248	-	-	-

RACK-02 (ZONE 2)			
PP301-348			
Path Panel	Location	PP CORD (PP)	PP CORD (DEVICE)
301	AP-29	8 IN YELLOW	RJ-45 PLUG
302	AP-30	8 IN YELLOW	RJ-45 PLUG
303	AP-31	8 IN YELLOW	RJ-45 PLUG
304	AP-32	8 IN YELLOW	RJ-45 PLUG
305	AP-35	8 IN YELLOW	RJ-45 PLUG
306	AP-36	8 IN YELLOW	RJ-45 PLUG
307	AP-37	8 IN YELLOW	RJ-45 PLUG
308	AP-41 (O.B OFFICE)	8 IN YELLOW	RJ-45 PLUG
309	CAM-23 (W.H)	8 IN RED	RJ-45 PLUG
310	CAM-24 (W.H)	8 IN RED	RJ-45 PLUG
311	CAM-25 (W.H)	8 IN RED	RJ-45 PLUG
312	CAM-26 (O.B OFFICE)	8 IN RED	RJ-45 PLUG
313	CAM-27 (O.B OFFICE)	8 IN RED	RJ-45 PLUG
314	CAM-28 (OUTDOOR)	8 IN RED	RJ-45 PLUG
315	CAM-29 (OUTDOOR)	8 IN RED	RJ-45 PLUG
316	CAM-30 (W.H)	8 IN RED	RJ-45 PLUG
317	CAM-31 (W.H)	8 IN RED	RJ-45 PLUG
318	CAM-32 (W.H)	8 IN RED	RJ-45 PLUG
319	CAM-33 (W.H)	8 IN RED	RJ-45 PLUG
320	CAM-34 (W.H)	8 IN RED	RJ-45 PLUG
321	WMS 2-1	8 IN BLUE	RJ-45 KEYSTONE
322	WMS 2-2	8 IN BLUE	RJ-45 KEYSTONE
323	WMS 2-3	8 IN BLUE	RJ-45 KEYSTONE
324	WMS 2-4	8 IN BLUE	RJ-45 KEYSTONE
325	-	-	-
326	-	-	-
327	-	-	-
328	-	-	-
329	-	-	-
330	-	-	-
331	-	-	-
332	-	-	-
333	-	-	-
334	-	-	-
335	-	-	-
336	-	-	-
337	-	-	-
338	-	-	-
339	-	-	-
340	-	-	-
341	-	-	-
342	-	-	-
343	-	-	-
344	-	-	-
345	-	-	-
346	-	-	-
347	-	-	-
348	-	-	-

RACK-03 (ZONE 3)			
PP401-448			
Path Panel	Location	PP CORD (PP)	PP CORD (DEVICE)
401	AP-24	8 IN YELLOW	RJ-45 PLUG
402	AP-25	8 IN YELLOW	RJ-45 PLUG
403	AP-26	8 IN YELLOW	RJ-45 PLUG
404	AP-27	8 IN YELLOW	RJ-45 PLUG
405	AP-28	8 IN YELLOW	RJ-45 PLUG
406	AP-33	8 IN YELLOW	RJ-45 PLUG
407	AP-34	8 IN YELLOW	RJ-45 PLUG
408	AP-38	8 IN YELLOW	RJ-45 PLUG
409	AP-39	8 IN YELLOW	RJ-45 PLUG
410	AP-40	8 IN YELLOW	RJ-45 PLUG
411	-	-	-
412	-	-	-
413	CAM-35 (OUTDOOR)	8 IN RED	RJ-45 PLUG
414	CAM-36 (W.H)	8 IN RED	RJ-45 PLUG
415	CAM-37 (W.H)	8 IN RED	RJ-45 PLUG
416	CAM-38 (W.H)	8 IN RED	RJ-45 PLUG
417	CAM-39 (W.H)	8 IN RED	RJ-45 PLUG
418	CAM-40 (W.H)	8 IN RED	RJ-45 PLUG
419	CAM-41 (W.H)	8 IN RED	RJ-45 PLUG
420	FUTURE USE (OUTDOOR)	8 IN RED	RJ-45 PLUG
421	FUTURE USE (W.H)-1	8 IN RED	RJ-45 PLUG
422	FUTURE USE (W.H)-2	8 IN RED	RJ-45 PLUG
423	FUTURE USE (W.H)-3	8 IN RED	RJ-45 PLUG
424	FUTURE USE (W.H)-4	8 IN RED	RJ-45 PLUG
425	WMS 1-1	8 IN BLUE	RJ-45 KEYSTONE
426	WMS 1-2	8 IN BLUE	RJ-45 KEYSTONE
427	WMS 1-3	8 IN BLUE	RJ-45 KEYSTONE
428	WMS 1-4	8 IN BLUE	RJ-45 KEYSTONE
429	TIME CLOCK	8 IN BLUE	RJ-45 KEYSTONE
430	-	-	-
431	-	-	-
432	-	-	-
433	-	-	-
434	-	-	-
435	-	-	-
436	-	-	-
437	-	-	-
438	-	-	-
439	-	-	-
440	-	-	-
441	-	-	-
442	-	-	-
443	-	-	-
444	-	-	-
445	-	-	-
446	-	-	-
447	-	-	-
448	-	-	-

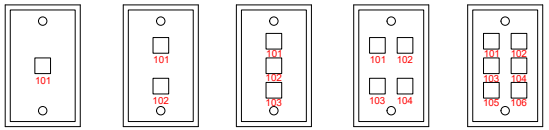
RACK-04 (ZONE 4)			
PP501-548			
Path Panel	Location	PP CORD (PP)	PP CORD (DEVICE)
501	AP-10	8 IN YELLOW	RJ-45 PLUG
502	AP-12	8 IN YELLOW	RJ-45 PLUG
503	AP-14	8 IN YELLOW	RJ-45 PLUG
504	AP-15	8 IN YELLOW	RJ-45 PLUG
505	AP-16	8 IN YELLOW	RJ-45 PLUG
506	AP-17	8 IN YELLOW	RJ-45 PLUG
507	AP-18	8 IN YELLOW	RJ-45 PLUG
508	AP-21	8 IN YELLOW	RJ-45 PLUG
509	-	-	-
510	CAM-42 (OUTDOOR)	8 IN RED	RJ-45 PLUG
511	CAM-43 (OUTDOOR)	8 IN RED	RJ-45 PLUG
512	CAM-44 (W.H)	8 IN RED	RJ-45 PLUG
513	CAM-45 (W.H)	8 IN RED	RJ-45 PLUG
514	CAM-46 (W.H)	8 IN RED	RJ-45 PLUG
515	FUTURE USE (W.H)-5	8 IN RED	RJ-45 PLUG
516	FUTURE USE (W.H)-6	8 IN RED	RJ-45 PLUG
517	-	-	-
518	-	-	-
519	-	-	-
520	-	-	-
521	-	-	-
522	-	-	-
523	-	-	-
524	-	-	-
525	-	-	-
526	-	-	-
527	-	-	-
528	-	-	-
529	-	-	-
530	-	-	-
531	-	-	-
532	-	-	-
533	-	-	-
534	-	-	-
535	-	-	-
536	-	-	-
537	-	-	-
538	-	-	-
539	-	-	-
540	-	-	-
541	-	-	-
542	-	-	-
543	-	-	-
544	-	-	-
545	-	-	-
546	-	-	-
547	-	-	-
548	-	-	-

PATCH PANEL CHART RACK-01, RACK-02, RACK-03 AND RACK-04 01



PATCH PANEL LABEL SCHEME 02

* TERMINATE ALL CAT6 WIRES USING T-568B STANDARD



DATA OUTLET LABEL SCHEME 03

CLIENT / PROJECT:

NOTES:

1. IT-RACK

   INFRASTRUTURE REQUIREMENT (SEE IT- 201)

   -1x ELECTRICAL QUAD RECEPTACLE (20A SEPARATE DEDICATED NEMA 5-20R)
   * TO BE SUPPLIED/INSTALLED BY OWNER'S VENDOR (GC/ELECTRICIAN)

   FOR INSTALLER (SEE IT-201, IT-202 , IT-203)

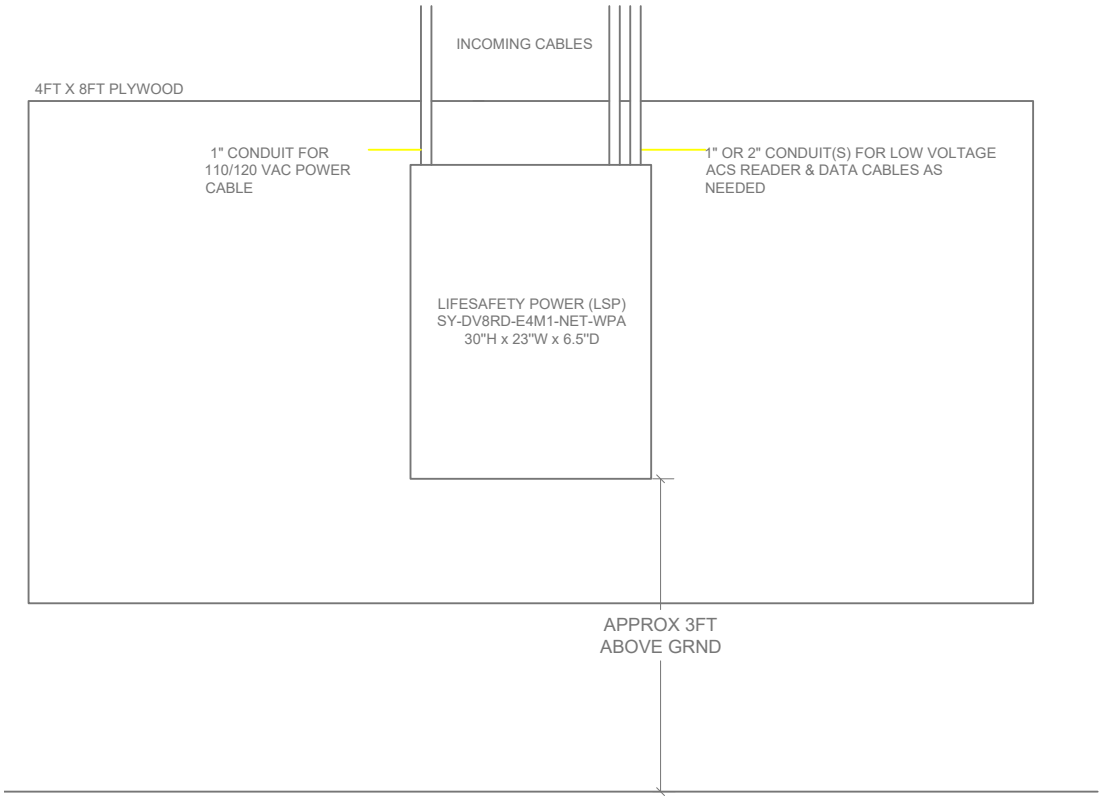
2. WAP-OFFICE (DROP CEILING MOUNTED) (SEE IT-211 # 02 FOR ELEVATION)
3. WAP-WAREHOUSE
   - (SEE IT-212 & 213 FOR AP AND ANTENNA DETAILS)
   - (SEE IT-122 & 123 FOR PREDICTIVE WIFI COVERAGE AND ANTENNA DIRECTION)
4. INDOOR CAMERA (SEE IT-221 # 02 AND 03)
4-1. INDOOR PENDANT CAMERA (SEE IT-221 # 04)
5. OUTDOOR CAMERA (SEE IT-221 # 05, 06)
6. DATA OUTLET LOCATION (SEE IT-231 AND IT-232)
7. FUTURE USE DATA AT CEILING TERMINATE WITH RJ-45 PLUG SEE (IT-232 # 01, 02)
   - 10 FT SERVICE LOOP IN OFFICE CEILING
   - 30FT SERVICE LOOP IN WAREHOUSE CEILING
8. ACCESS CONTROL SYSTEM
   - TBD LOCATION BY ACCESS CONTROL VENDOR
   - SEE IT-210 FOR INFRASTRUCTURE DETAIL AND ELEVATION
9. DIGITAL SIGNAGE DISPLAY
   - TBD DETAIL LOCATION ON SITE
   - SEE IT-124 # 01 FOR ELEVATION
10. VIRTUAL MEETING DISPLAY
    - TBD DETAIL LOCATION ON SITE
    - SEE IT-124 # 02, 03 FOR ELEVATION
11. CEILING MOUNTED DATA
    - TBD DETAIL LOCATION ON SITE
    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

NO.	DATE	

DWG TITLE	PATCH PANEL CHART AND LABEL SCHEME
DWG/REV NO.	IT-203

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1 SECURITY LOCATION MDF/IDF PANEL ELEVATION

NOTES:
1. 110/120VAC POWER PROVIDED BY GC.

ACCESS CONTROL VENDORS (INFRASTRUCTURE REQUIRMENTS) 01

CLIENT / PROJECT:

NOTES:

1 IT-RACK

INFRASTRUTURE REQUIREMENT (SEE IT- 201)

-1x ELECTRICAL QUAD RECEPTACLE (20A SEPARATE DEDICATED NEMA 5-20R)
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FOR INSTALLER (SEE IT-201, IT-202 , IT-203)

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3 WAP-WAREHOUSE
- (SEE IT-212 & 213 FOR AP AND ANTENNA DETAILS)
- (SEE IT-122 & 123 FOR PREDICTIVE WIFI COVERAGE AND ANTENNA DIRECTION)

4 INDOOR CAMERA (SEE IT-221 # 02 AND 03)

4-1 INDOOR PENDANT CAMERA (SEE IT-221 # 04)

5 OUTDOOR CAMERA (SEE IT-221 # 05, 06)

6 DATA OUTLET LOCATION (SEE IT-231 AND IT-232)

7 FUTURE USE DATA AT CEILING
TERMINATE WITH RJ-45 PLUG SEE (IT-232 # 01, 02)
- 10 FT SERVICE LOOP IN OFFICE CEILING
- 30FT SERVICE LOOP IN WAREHOUSE CEILING

8 ACCESS CONTROL SYSTEM
- TBD LOCATION BY ACCESS CONTROL VENDOR
- SEE IT-210 FOR INFRASTRUCTURE DETAIL AND ELEVATION

9 DIGITAL SIGNAGE DISPLAY
- TBD DETAIL LOCATION ON SITE
- SEE IT-124 # 01 FOR ELEVATION

10 VIRTUAL MEETING DISPLAY
- TBD DETAIL LOCATION ON SITE
- SEE IT-124 # 02, 03 FOR ELEVATION

11 CEILING MOUNTED DATA
- TBD DETAIL LOCATION ON SITE
- TERMINATE WITH RJ-45 KEYSTONE

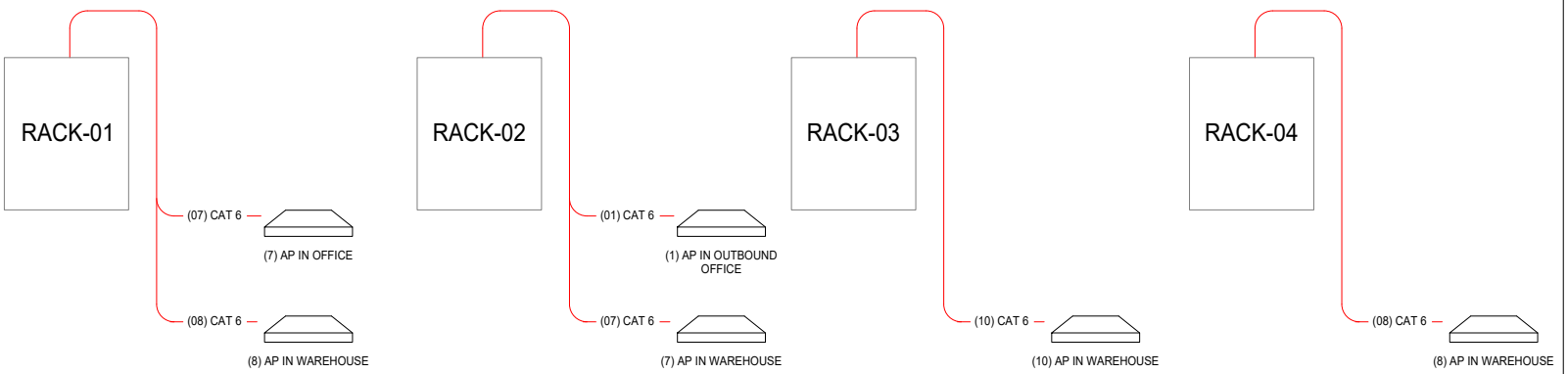
12 TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

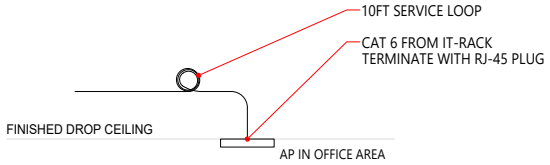
NO.	DATE	

DWG TITLE	ACCESS CONTROL SYSTEM
DWG/REV NO.	IT-210

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RISER DIAGRAM (AP) 01



AP ELEVATION (OFFICE) 02

CLIENT / PROJECT:

NOTES:

1. IT-RACK

   INFRASTRUTURE REQUIREMENT (SEE IT- 201)

   -1x ELECTRICAL QUAD RECEPTACLE (20A SEPARATE DEDICATED NEMA 5-20R)
   * TO BE SUPPLIED/INSTALLED BY OWNER'S VENDOR (GC/ELECTRICIAN)

   FOR INSTALLER (SEE IT-201, IT-202 , IT-203)

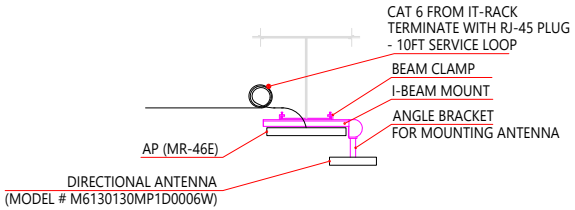
2. WAP-OFFICE (DROP CEILING MOUNTED) (SEE IT-211 # 02 FOR ELEVATION)
3. WAP-WAREHOUSE
   - (SEE IT-212 & 213 FOR AP AND ANTENNA DETAILS)
   - (SEE IT-122 & 123 FOR PREDICTIVE WIFI COVERAGE AND ANTENNA DIRECTION)
4. INDOOR CAMERA (SEE IT-221 # 02 AND 03)
4-1. INDOOR PENDANT CAMERA (SEE IT-221 # 04)
5. OUTDOOR CAMERA (SEE IT-221 # 05, 06)
6. DATA OUTLET LOCATION (SEE IT-231 AND IT-232)
7. FUTURE USE DATA AT CEILING
   TERMINATE WITH RJ-45 PLUG SEE (IT-232 # 01, 02)
   - 10 FT SERVICE LOOP IN OFFICE CEILING
   - 30FT SERVICE LOOP IN WAREHOUSE CEILING
8. ACCESS CONTROL SYSTEM
   - TBD LOCATION BY ACCESS CONTROL VENDOR
   - SEE IT-210 FOR INFRASTRUCTURE DETAIL AND ELEVATION
9. DIGITAL SIGNAGE DISPLAY
   - TBD DETAIL LOCATION ON SITE
   - SEE IT-124 # 01 FOR ELEVATION
10. VIRTUAL MEETING DISPLAY
    - TBD DETAIL LOCATION ON SITE
    - SEE IT-124 # 02, 03 FOR ELEVATION
11. CEILING MOUNTED DATA
    - TBD DETAIL LOCATION ON SITE
    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

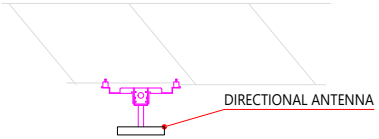
REVISION:

NO.	DATE	

DWG TITLE	AP DETAIL
DWG/REV NO.	IT-211

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NOTE:
ANTENNA HAS A ARROW LABEL SHOWING THE DIRECTION OF ANTENNA ON REAR SIDE.
PLEASE SEE BELOW COVERAGE MAP TO MATCH THE DIRECTION OF ANTENNA.

AP DIRECTIONAL ANTENNA FOR RACK SHELF (W.H) 01



PREDICTIVE WIFI COVERAGE MAP 02

CLIENT / PROJECT:

NOTES:

1. IT-RACK

   INFRASTRUTURE REQUIREMENT (SEE IT- 201)

   -1x ELECTRICAL QUAD RECEPTACLE (20A SEPARATE DEDICATED NEMA 5-20R)
   * TO BE SUPPLIED/INSTALLED BY OWNER'S VENDOR (GC/ELECTRICIAN)

   FOR INSTALLER (SEE IT-201, IT-202 , IT-203)

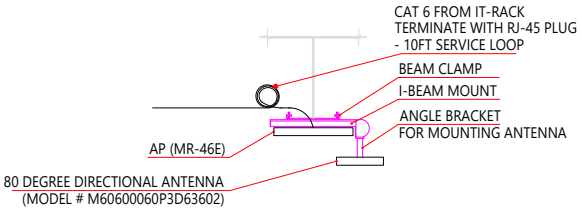
2. WAP-OFFICE (DROP CEILING MOUNTED) (SEE IT-211 # 02 FOR ELEVATION)
3. WAP-WAREHOUSE
   - (SEE IT-212 & 213 FOR AP AND ANTENNA DETAILS)
   - (SEE IT-122 & 123 FOR PREDICTIVE WIFI COVERAGE AND ANTENNA DIRECTION)
4. INDOOR CAMERA (SEE IT-221 # 02 AND 03)
4-1. INDOOR PENDANT CAMERA (SEE IT-221 # 04)
5. OUTDOOR CAMERA (SEE IT-221 # 05, 06)
6. DATA OUTLET LOCATION (SEE IT-231 AND IT-232)
7. FUTURE USE DATA AT CEILING
   TERMINATE WITH RJ-45 PLUG SEE (IT-232 # 01, 02)
   - 10 FT SERVICE LOOP IN OFFICE CEILING
   - 30FT SERVICE LOOP IN WAREHOUSE CEILING
8. ACCESS CONTROL SYSTEM
   - TBD LOCATION BY ACCESS CONTROL VENDOR
   - SEE IT-210 FOR INFRASTRUCTURE DETAIL AND ELEVATION
9. DIGITAL SIGNAGE DISPLAY
   - TBD DETAIL LOCATION ON SITE
   - SEE IT-124 # 01 FOR ELEVATION
10. VIRTUAL MEETING DISPLAY
    - TBD DETAIL LOCATION ON SITE
    - SEE IT-124 # 02, 03 FOR ELEVATION
11. CEILING MOUNTED DATA
    - TBD DETAIL LOCATION ON SITE
    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

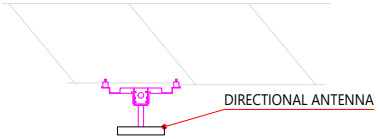
REVISION:

NO.	DATE	

DWG TITLE	W.H RACK SHELF AP ANTENNA DETAIL
DWG/REV NO.	IT-212

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NOTE:
ANTENNA HAS A ARROW LABEL SHOWING THE DIRECTION OF ANTENNA ON REAR SIDE.
PLEASE SEE BELOW COVERAGE MAP TO MATCH THE DIRECTION OF ANTENNA.

AP DIRECTIONAL ANTENNA FOR OPEN SPACE (W.H) 01



PREDICTIVE WIFI COVERAGE MAP 02

CLIENT / PROJECT:

NOTES:

1. IT-RACK

   INFRASTRUTURE REQUIREMENT (SEE IT- 201)

   -1x ELECTRICAL QUAD RECEPTACLE (20A SEPARATE DEDICATED NEMA 5-20R)
   * TO BE SUPPLIED/INSTALLED BY OWNER'S VENDOR (GC/ELECTRICIAN)

   FOR INSTALLER (SEE IT-201, IT-202 , IT-203)

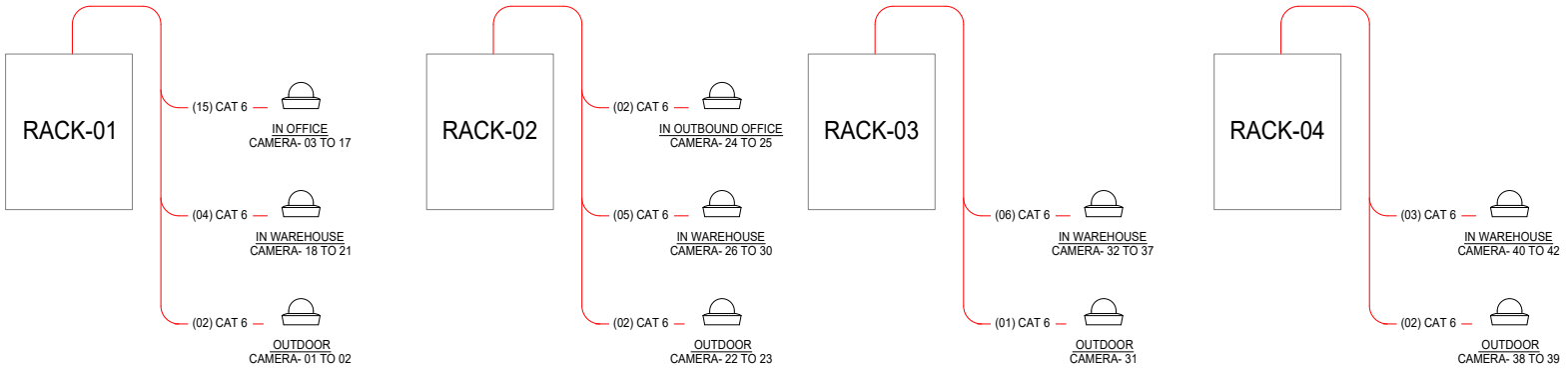
2. WAP-OFFICE (DROP CEILING MOUNTED) (SEE IT-211 # 02 FOR ELEVATION)
3. WAP-WAREHOUSE
   - (SEE IT-212 & 213 FOR AP AND ANTENNA DETAILS)
   - (SEE IT-122 & 123 FOR PREDICTIVE WIFI COVERAGE AND ANTENNA DIRECTION)
4. INDOOR CAMERA (SEE IT-221 # 02 AND 03)
4-1. INDOOR PENDANT CAMERA (SEE IT-221 # 04)
5. OUTDOOR CAMERA (SEE IT-221 # 05, 06)
6. DATA OUTLET LOCATION (SEE IT-231 AND IT-232)
7. FUTURE USE DATA AT CEILING
   TERMINATE WITH RJ-45 PLUG SEE (IT-232 # 01, 02)
   - 10 FT SERVICE LOOP IN OFFICE CEILING
   - 30FT SERVICE LOOP IN WAREHOUSE CEILING
8. ACCESS CONTROL SYSTEM
   - TBD LOCATION BY ACCESS CONTROL VENDOR
   - SEE IT-210 FOR INFRASTRUCTURE DETAIL AND ELEVATION
9. DIGITAL SIGNAGE DISPLAY
   - TBD DETAIL LOCATION ON SITE
   - SEE IT-124 # 01 FOR ELEVATION
10. VIRTUAL MEETING DISPLAY
    - TBD DETAIL LOCATION ON SITE
    - SEE IT-124 # 02, 03 FOR ELEVATION
11. CEILING MOUNTED DATA
    - TBD DETAIL LOCATION ON SITE
    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

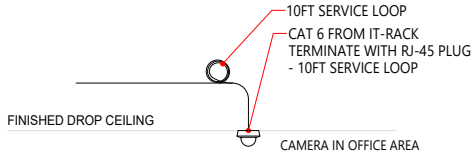
NO.	DATE	

DWG TITLE	W.H OPEN SPACE AP ANTENNA DETAIL
DWG/REV NO.	IT-213

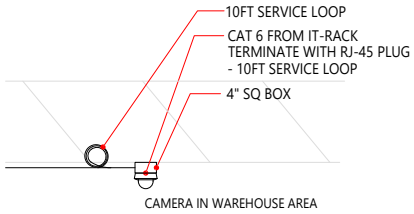
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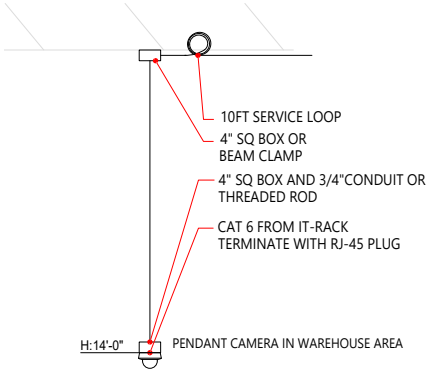
RISER DIAGRAM (CAMERA) 01



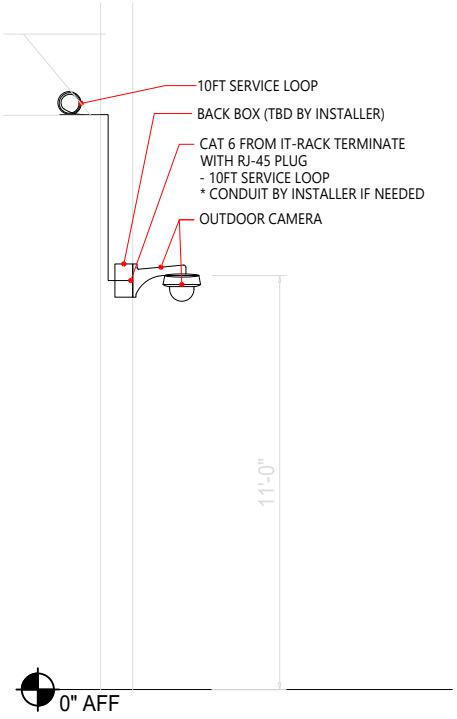
CAMERA ELEVATION (OFFICE) 02



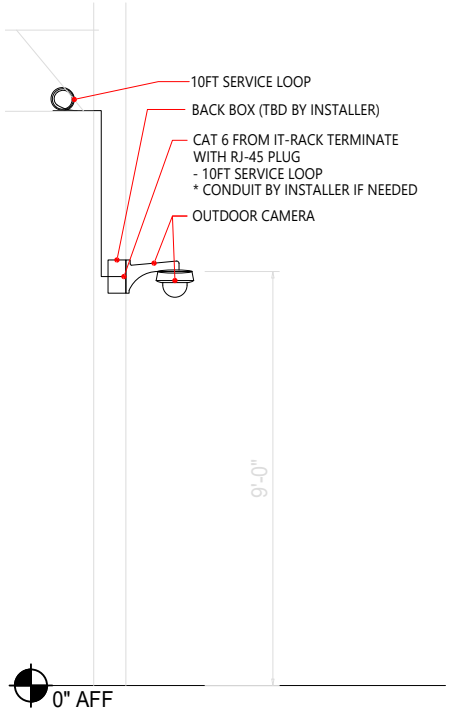
CAMERA ELEVATION (W.H AREA) 03



PENDANT CAMERA ELEVATION (W.H AREA) 04



CAMERA ELEVATION (OUTDOOR) 05



CAMERA ELEVATION (MAIN ENTRANCE DOOR) 06

CLIENT / PROJECT:

NOTES:

1. IT-RACK

   INFRASTRUTURE REQUIREMENT (SEE IT- 201)

   -1x ELECTRICAL QUAD RECEPTACLE (20A SEPARATE DEDICATED NEMA 5-20R)
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   FOR INSTALLER (SEE IT-201, IT-202 , IT-203)

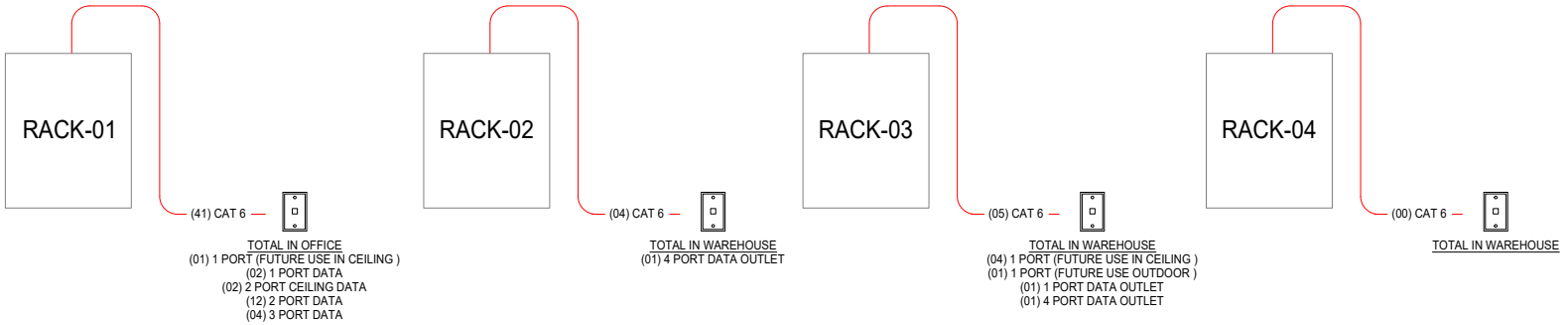
2. WAP-OFFICE (DROP CEILING MOUNTED) (SEE IT-211 # 02 FOR ELEVATION)
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5. OUTDOOR CAMERA (SEE IT-221 # 05, 06)
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   - TBD DETAIL LOCATION ON SITE
   - SEE IT-124 # 01 FOR ELEVATION
10. VIRTUAL MEETING DISPLAY
    - TBD DETAIL LOCATION ON SITE
    - SEE IT-124 # 02, 03 FOR ELEVATION
11. CEILING MOUNTED DATA
    - TBD DETAIL LOCATION ON SITE
    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

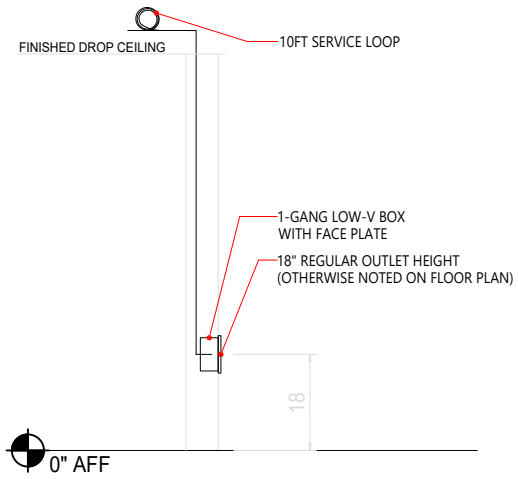
NO.	DATE	

DWG TITLE	CAMERA DETAIL
DWG/REV NO.	IT-221

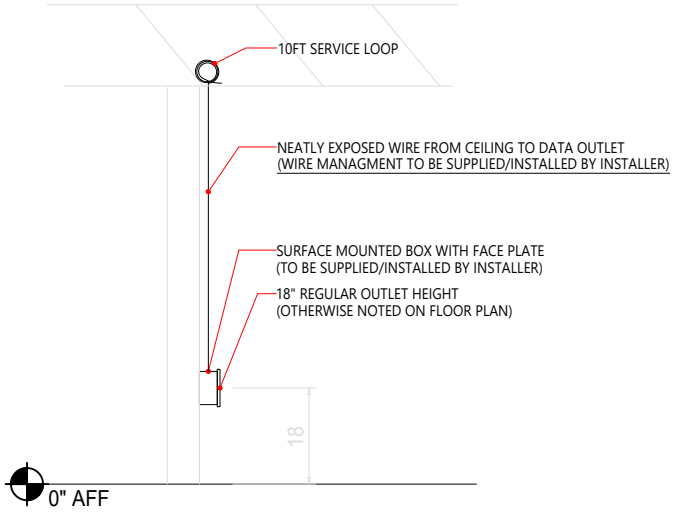
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RISER DIAGRAM (DATA) 01



DATA OUTLET (OFFICE) 02



DATA OUTLET (W.H WALL) 03

CLIENT / PROJECT:

NOTES:

1. IT-RACK

   INFRASTRUTURE REQUIREMENT (SEE IT- 201)

   -1x ELECTRICAL QUAD RECEPTACLE (20A SEPARATE DEDICATED NEMA 5-20R)
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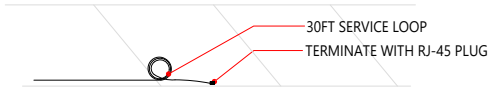
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   - SEE IT-124 # 01 FOR ELEVATION
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    - TBD DETAIL LOCATION ON SITE
    - SEE IT-124 # 02, 03 FOR ELEVATION
11. CEILING MOUNTED DATA
    - TBD DETAIL LOCATION ON SITE
    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

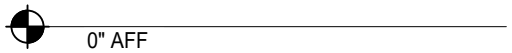
REVISION:

NO.	DATE	

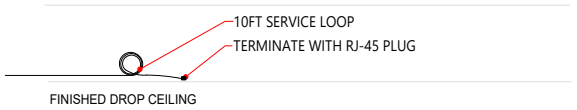
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DWG/REV NO.	IT-231

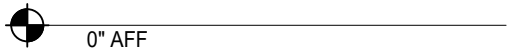
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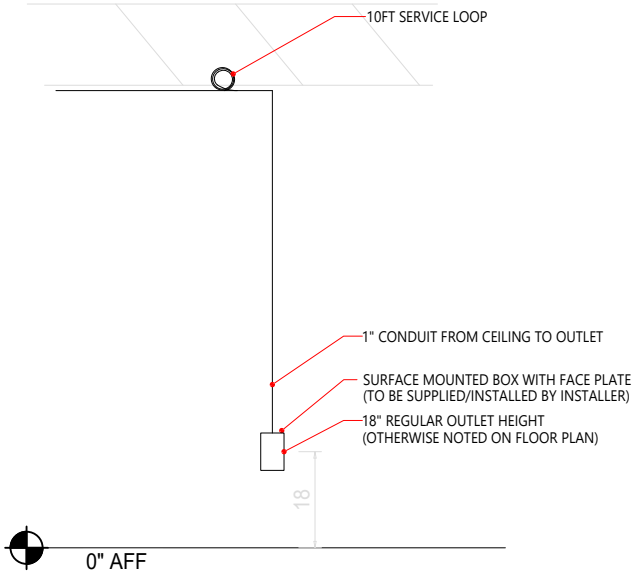


FUTURE USE DATA OUTLET (W.H CEILING) 01





FUTURE USE DATA OUTLET (OFFICE IN-CEILING) 02



DATA OUTLET (RACK SHELF) 03

CLIENT / PROJECT:

NOTES:

1. IT-RACK

   INFRASTRUTURE REQUIREMENT (SEE IT- 201)

   -1x ELECTRICAL QUAD RECEPTACLE (20A SEPARATE DEDICATED NEMA 5-20R)
   * TO BE SUPPLIED/INSTALLED BY OWNER'S VENDOR (GC/ELECTRICIAN)

   FOR INSTALLER (SEE IT-201, IT-202 , IT-203)

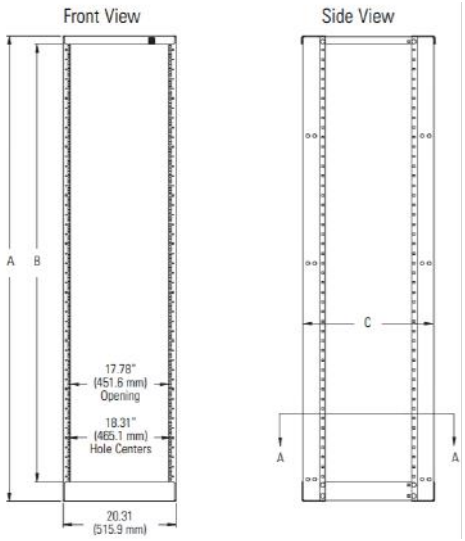
2. WAP-OFFICE (DROP CEILING MOUNTED) (SEE IT-211 # 02 FOR ELEVATION)
3. WAP-WAREHOUSE
   - (SEE IT-212 & 213 FOR AP AND ANTENNA DETAILS)
   - (SEE IT-122 & 123 FOR PREDICTIVE WIFI COVERAGE AND ANTENNA DIRECTION)
4. INDOOR CAMERA (SEE IT-221 # 02 AND 03)
4-1. INDOOR PENDANT CAMERA (SEE IT-221 # 04)
5. OUTDOOR CAMERA (SEE IT-221 # 05, 06)
6. DATA OUTLET LOCATION (SEE IT-231 AND IT-232)
7. FUTURE USE DATA AT CEILING
   TERMINATE WITH RJ-45 PLUG SEE (IT-232 # 01, 02)
   - 10 FT SERVICE LOOP IN OFFICE CEILING
   - 30FT SERVICE LOOP IN WAREHOUSE CEILING
8. ACCESS CONTROL SYSTEM
   - TBD LOCATION BY ACCESS CONTROL VENDOR
   - SEE IT-210 FOR INFRASTRUCTURE DETAIL AND ELEVATION
9. DIGITAL SIGNAGE DISPLAY
   - TBD DETAIL LOCATION ON SITE
   - SEE IT-124 # 01 FOR ELEVATION
10. VIRTUAL MEETING DISPLAY
    - TBD DETAIL LOCATION ON SITE
    - SEE IT-124 # 02, 03 FOR ELEVATION
11. CEILING MOUNTED DATA
    - TBD DETAIL LOCATION ON SITE
    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

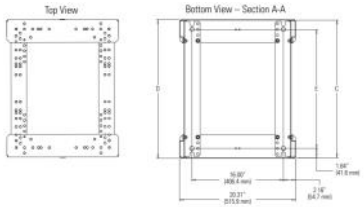
REVISION:

NO.	DATE	

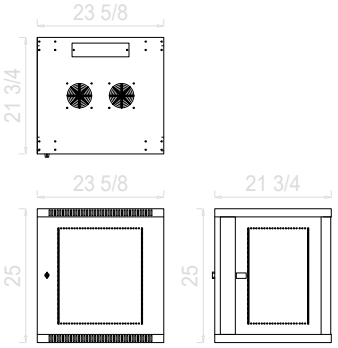
DWG TITLE	DATA DETAIL
DWG/REV NO.	IT-232

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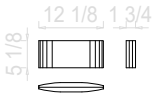




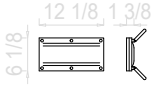
45U 4 POST RACK 01



12U WALL MOUNT RACK 02



WAP (OFFICE) 03

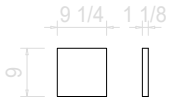


WAP (WAREHOUSE) 04



MODEL # M6120130MP1D6006W

DIRECTIONAL ANTENA (RACK SHELF AREA W.H) 05



MODEL # M60600060P3D63602

80° DIRECTIONAL ANTENA (OPEN SPACE W.H) 06



I-BEAM BRACKET 07

CLIENT / PROJECT:

NOTES:

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   - TBD DETAIL LOCATION ON SITE
   - SEE IT-124 # 01 FOR ELEVATION
10. VIRTUAL MEETING DISPLAY
    - TBD DETAIL LOCATION ON SITE
    - SEE IT-124 # 02, 03 FOR ELEVATION
11. CEILING MOUNTED DATA
    - TBD DETAIL LOCATION ON SITE
    - TERMINATE WITH RJ-45 KEYSTONE
12. TIME CLOCK-SEE IT-125 FOR ELEVATION

REVISION:

NO.	DATE	

DWG TITLE	DEVICE DETAIL
DWG/REV NO.	IT-301

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