SAMPLE DRAWING

LERNER SOLUTIONS
One Company. All Your Technology Needs.

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DWG #	DESCRIPTION	REMARKS

GENERAL NOTES TO ARCHITECT/GC:

S. NO # DESCRIPTION

-

MODIFICATION_v2.3
- MODIFIED DOOR-A-06 LOCATION
- ADDED ACCESS SYSTEM WIRE DIAGRAM FOR INSTALLATION

MODIFICATION_v2.2
- RELOCATE DOOR HARDWARE FROM DOOR EX-02 TO NEW DOOR
- ADDED DOOR HARDWARE TO NEW DOOR FROM RACK-C

MODIFICATION_v2.1
- ADDED ELEVATIONS OF INFRASTUCTURE REQUIREMENTS

MODIFICATION_v1.7
- MODIFIED THE LOCATION OF DOOR A-07 / B-08 / B-09
- ADDED DOORS C-10 / C-11
- APPLIED 2 EXIT BUTTON AT DOOR C-07

MODIFICATION_v1.6
- ADDED CAMERAS AND DATA DROPS FOR FUTURE CAMERA (HIGHLIGHTED)
- ADDED A DOOR (B-08) TO ACCESS SYSTEM

1. ALL ITEM LOCATIONS MUST BE CONFIRMED BY CUSTOMER/GC
2. EMT / BOX / ELECTRIC RECEPTACLES MUST BE PROVIDED/INSTALLED BY GC/ELECTRICIAN (SEE EMT CHART TO FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONS)
3. MAGLOCK WITH DOOR MONITORING SWITCH TO BE DETERMINED/SUPPLIED/INSTALLED BY DOOR VENDOR

GENERAL NOTES TO INSTALLER:

[DETAILS SCOPE OF WORKS]

* NEW CAT6 RUN & NEW CAMERA
- A-CAM-34 (CD41)
- A-CAM-35 (CD41)
- A-CAM-36 (CD51-E)
- A-CAM-37 (CD51-E)
- A-CAM-38 (CD51-E)
- A-CAM-39 (CD51-E)
- A-CAM-40 (CD51-E)
- A-CAM-41 (CD51-E)
- A-CAM-42 (CD51-E)
- B-CAM-29 (CD41)
- B-CAM-30 (CD41)
- B-CAM-31 (CD51-E)
- B-CAM-32 (CD51-E)
- B-CAM-33 (CD41)
- C-CAM-06 (CD51-E)
- C-CAM-07 (CD51-E)
- C-CAM-08 (CD51-E)
- C-CAM-09 (CD51-E)

* NEW CAT6 RUN & MOVE EXISITING CAMERA
- A-CAM-31 (CD51-E)

* RELOCATE EXISTING CAMERA WITH WIRE
- B-CAM-11 (CD51-E)

* NEW CAT6 DROP (NO CAMERA)
- (3) DROPS (A-241 / A-242 / B-244)

* RELOCATE EXISTING DATA OUTLET
- (1) 2 PORTS DATA (B-513 / B-514)

* NEW WIRES AND DOOR DEVICES (TOTAL 18 NEW DOORS)
- PULL ACCESS DOOR CABLE TO DOOR DEVICE
(CARD READER / REX BUTTON / REX SENSOR / MAGLOCK / DOOR CONTACT)

RACK A: DOOR A-05 / A-06 / A-07 / A-08
RACK B: DOOR B-08 / B-09
RACK C: DOOR C-01 ~ C-12

* NEW WIRES AND DOOR DEVICES (TOTAL 1 NEW DOOR)
- PULL ACCESS DOOR CABLE TO DOOR DEVICE
(CARD READER / REX BUTTON / REX SENSOR / MAGLOCK / DOOR CONTACT)

RACK C: DOOR C-12

* NEW WIRES AND EXISITNG DOOR DEVICES (TOTAL 1 NEW DOOR)
- PULL ACCESS DOOR CABLE TO DOOR DEVICE
(CARD READER / REX BUTTON / REX SENSOR / MAGLOCK / DOOR CONTACT)
- RELOCATE DOOR DEVICES FROM EXISITNG DOOR EX-02 TO NEW DOOR

RACK B: DOOR B-05

IT DRAWING LEGENDS:

DEVICES

SYMBOL	DESCRIPTION
RACK	SERVER RACK
AP	WIRELESS ACCESS POINT (1x CAT6) (SEE IT-302 #1)
IP	IP-CAMERA (1x CAT6) CEILING MOUNTED (1x CAT6) (SEE IT-302 #1)
IP	IP-CAMERA (1x CAT6) PENDANT MOUNTED (1x CAT6) (SEE IT-302 #1)
IP	IP-CAMERA (1x CAT6) WALL MOUNTED (1x CAT6) (SEE IT-302 #1)
DC	WALL MOUNTED DOOR CONTROLLER (SEE IT-301)
DR	DOOR READER (SEE IT-302)
ES	ELECTRIC STRIKE (SEE IT-302)
EX	PUSH TO EXIT BUTTON (SEE IT-302)
MD	MOTION DETECTOR (SEE IT-302)
ML	MAGNETIC LOCKS (SEE IT-302)
DS	DOOR CONTACT SENSOR
EL	ELECTRIC LATCH (SEE IT-302)
TCL	TIME CLOCK
AP	OUTDOOR WIRELESS ACCESS POINT WITH DIRECTIONAL ANTENNA (SEE IT-302 #2)

DEVICES

SYMBOL	DESCRIPTION
[POWER DEVICE]	
	WALL MOUNTED DUPLEX RECEPTACLE, 20 AMP, 125V, NEMA 5-20R @REGULAR OUTLET HEIGHT UNLESS OTHERWISE NOTED
	WALL MOUNTED QUAD RECEPTACLE, 20 AMP, 125V, NEMA 5-20R @REGULAR OUTLET HEIGHT UNLESS OTHERWISE NOTED
	WALL MOUNTED QUAD RECEPTACLE, SEPARATE DEDICATED 20 AMP, 125V, NEMA 5-20R @REGULAR OUTLET HEIGHT UNLESS OTHERWISE NOTED
	WALL MOUNTED SINGLE NEMA L5-20R RECEPTACLE, SEPARATE DEDICATED 20 AMP, 125V @REGULAR OUTLET HEIGHT UNLESS OTHERWISE NOTED
[DATA]	
	WALL MOUNTED DATA RECEPTACLE (# QTY. OF CAT 6 PER LOCATION) - 4" SQ BOX(1-GANG TILE RING) WITH STUBED-UP CONDUIT INTO THE HUNG CEILING, FURNISH AND INSTALL DRAG LINE
	FLOOR OR FURNITURE MOUNTED DATA RECEPTACLE -# IS THE NUMBER OF CAT 6. CABLE - 1-GANG FACE PLATE WITH STUBED-UP CONDUIT INTO THE HUNG CEILING, FURNISH AND INSTALL DRAG LINE
	CEILING MOUNTED DATA RECEPTACLE -# IS THE NUMBER OF CAT 6. CABLE - 4" SQ BOX(BLANK COVER) WITH STUBED-UP CONDUIT INTO THE HUNG CEILING, FURNISH AND INSTALL DRAG LINE
	CABLE DROP AT DEVICE LOCATION -1x CAT 6. CABLE - STUBED-UP CONDUIT INTO THE HUNG CEILING, FURNISH AND INSTALL DRAG LINE
	INTERCONNECTION FIBER CABLE BETWEEN RACKS
000	THE LABEL OF CAT 6. CABLES
FSO	THE LABEL OF INTERCONNECTION FIBER CABLE BETWEEN RACKS
	2-GANG BACK BOX WITH 1-GANG MUD-RING
AV AV	WALL/FLOOR MOUNTED DATA OUTLET FOR AV-SYSTEMS PLEASE SEE AV-CONTRACTORS' DRAWING FOR DETAILS - STUBED-UP CONDUIT INTO THE HUNG CEILING, FURNISH AND INSTALL DRAG LINE

JOB SCOPE MATRIX

IT/DOOR ACCESS/SURVEILLANCE SYSTEMS SCOPE OF RESPONSIBILITY MATRIX

ITEM	FURNISHED BY	INSTALLED BY	NOTES
INFRASTRUCTURE			
CONDUIT/JUNCTION BOXES, FLOOR/FURNITURE BOXES, WIREWAYS, LADDER RACKS AND OTHER ELECTRICAL MATERIALS PERTAINING TO THE IT/DOOR ACCESS SYSTEMS.	GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR	GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR	
IN-WALL BOXES, WATERPROOF OUTDOOR BOXES, SURFACE MOUNTED BOXES FOR IT/DOOR ACCESS SYSTEMS	GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR	GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR	
MUD-RING, BACKBOX, STUB-UP CONDUIT (WITH DRAGLINE) INTO ACCESSIBLE DROP CEILING FOR WIRE ROUGH-IN IT/DOOR ACCESS SYSTEMS	GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR	GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR	
FLOOR BOX OR POKE-THRU WITH SHARED ACCESS FOR AV/DATA AND POWER SYSTEMS	GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR	GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR	
IN-WALL BOXES WITH SHARED ACCESS FOR AV/IT/POWER SYSTEMS	GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR	GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR	CUSTOM BACK BOXES TO BE SUPPLIED BY AV CONTRACTOR AND INSTALLED BY GC/EC
ALL AC POWER RECEPTACLES, RELATED ELECTRICAL REQUIREMENTS, AND ANY WORKS INVOLVING INE VOLTAGE ELECTRICAL	GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR	GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR	
ALL LOW VOTAGE IT/DOOR CONTROL CABLING	IT CONTRACTOR	IT CONTRACTOR	
ALL LOW VOLTAGE IT/DOOR CONTROL TERMINATIONS	IT CONTRACTOR	IT CONTRACTOR	
CARPENTRY, MILLWORK, SHEET METAL, OR OTHER REQUIRED FINISH WORKS AT AV/IT/DOOR CONTROL DEVICES	GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR	GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR	
ANY REQUIRED UNION LABOR	GENERAL CONTRACTOR	GENERAL CONTRACTOR	
IT			
CONDUIT FOR ISP INSTALLATION	GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR	GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR	
INTERCONNECTION CONDUIT FROM RACK-A TO RACK-B/RACK-C	GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR	GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR	
DOOR ACCESS CONTROL SYSTEMS			
NORMALLY CLOSED RELAY SIGNAL WIRES (FOR EMERGENCY DOOR RELEASE) FROM FIRE ALARM CONTROL PANEL TO THE LOCATIONS OF DOOR CONTROLLER	GENERAL CONTRACTOR	GENERAL CONTRACTOR	
ALL DOOR HARDWARE (HANDLE, MAGNETIC LOCK/ELECTRIC STRIKE, ELECTRIC HINGE WITH DOOR MONITOR, ETC,.)	GENERAL CONTRACTOR	GENERAL CONTRACTOR	
DOOR READER, DOOR CONTROLLER, EXIT BUTTON AND MOTION SENSOR	IT CONTRACTOR	IT CONTRACTOR	
SURVEILLANCE			
INDOOR/OUTDOOR CAMERAS	IT CONTRACTOR	IT CONTRACTOR	

CLIENT / PROJECT:

NOTES:

NOTE TO GC/ELECTRICIAN:
- FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONSFOLLOW THE SIZE OF CONDUIT PER DATA OUTLET LOCATIONS

EMT SIZE CHART

NO. OF CABLES AT 40% CONDUIT FILL BASED ON TRADE SIZE OF THE CONDUIT (INCHES)

EMT SIZE	0.75	1.0	1.25	1.5	2	2.5	3	3.5	4
QTY OF CAT6	3	6	9	14	24	38	55	75	98

REVISION:

NO.	DATE	

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

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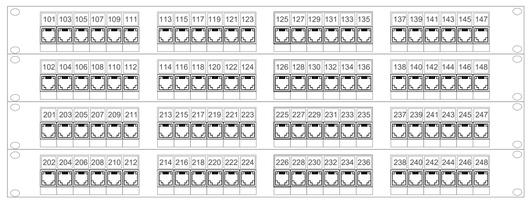
A-SW-DATA-01		Powered by UPS		Network Team	Install team (ONLY)			
Interface	Connected Device	Connected Port	Patch Panel		Patch Color	Mac	Serial #	IP-Address
1	A-WAP-01 (MR86)		A-101		GREEN 6IN			
2	A-WAP-02 (MR86)		A-102		GREEN 6IN			
3	A-WAP-03 (MR86)		A-103		GREEN 6IN			
4	A-WAP-04 (MR86)		A-104		GREEN 6IN			
5	A-WAP-05 (MR86)		A-105		GREEN 6IN			
6	A-WAP-06 (MR86)		A-106		GREEN 6IN			
7	A-WAP-07 (MR86)		A-107		GREEN 6IN			
8	A-WAP-08 (MR86)		A-108		GREEN 6IN			
9	A-WAP-09 (MR86)		A-109		GREEN 6IN			
10	A-WAP-10 (MR86)		A-110		GREEN 6IN			
11	A-WAP-11 (MR86)		A-111		GREEN 6IN			
12	A-WAP-12 (MR86)		A-112		GREEN 6IN			
13	A-WAP-13 (MR86)		A-113		GREEN 6IN			
14	FUTURE WAP		A-114		GREEN 6IN			
15	A-WAP-OD-01 (MR86+ANT)		A-115		GREEN 6IN			
16	FUTURE WAP		A-116		GREEN 6IN			
17	A-FLEET OFFICE-01		A-117		WHITE 6IN			
18	A-FLEET OFFICE-02		A-118		WHITE 6IN			
19	A-AV-FLEET OFFICE-TV01		A-119		WHITE 6IN			
20	A-AV-FLEET OFFICE-TV01		A-120		WHITE 6IN			
21	A-OUTBOUND-01		A-121		WHITE 6IN			
22	A-OUTBOUND-02		A-122		WHITE 6IN			
23	A-OUTBOUND-03		A-123		WHITE 6IN			
24	A-OUTBOUND-04		A-124		WHITE 6IN			
25	A-OUTBOUND-05		A-125		WHITE 6IN			
26	A-OUTBOUND-06		A-126		WHITE 6IN			
27	A-OUTBOUND-07		A-127		WHITE 6IN			
28	A-OUTBOUND-08		A-128		WHITE 6IN			
29	A-OUTBOUND-09		A-129		WHITE 6IN			
30	A-OUTBOUND-10		A-130		WHITE 6IN			
31	A-OUTBOUND-11		A-131		WHITE 6IN			
32	A-OUTBOUND-12		A-132		WHITE 6IN			
33	A-OUTBOUND-13		A-133		WHITE 6IN			
34	A-HOT 131-01		A-134		WHITE 6IN			
35	A-HOT 131-02		A-135		WHITE 6IN			
36	A-HOT 126-01		A-136		WHITE 6IN			
37	A-HOT 126-02		A-137		WHITE 6IN			
38	FUTURE WAP		A-138		-			
39	A-WAP-OD-02 (MR86+ANT)		A-139		GREEN 6IN			
40	A-CORRIOOR-01		A-140		WHITE 6IN			
41	A-CORRIOOR-02		A-141		WHITE 6IN			
42	A-CORRIOOR-03		A-142		WHITE 6IN			
43	A-CORRIOOR-04		A-143		WHITE 6IN			
44			A-144		-			
45			A-145		-			
46			A-146		-			
47			A-147		-			
48			A-148		-			
49 (SFP)								
50 (SFP)								
51 (SFP)								
52 (SFP)	SW-CORE-1	30(SFP)		I01				

A-SW-DATA-02		Powered by UPS		Network Team	Install team (ONLY)			
Interface	Connected Device	Connected Port	Patch Panel		Patch Color	Mac	Serial #	IP-Address
1	A-CAM-01 (CD51-E)		A-201		RED 6IN	E0:A7:00:09:79:AF	YC3W-JXEX-JJG3	
2	A-CAM-02 (CD41)		A-202		RED 6IN	E0:A7:00:06:74:7F	TACQ-AKEH-NH7L	
3	A-CAM-03 (CD41)		A-203		RED 6IN	E0:A7:00:06:74:80	TACQ-ANUA-DADA	
4	A-CAM-04 (CD51-E)		A-204		RED 6IN	E0:A7:00:09:79:80	YC3W-K3TD-CD7Q	
5	A-CAM-05 (CD51-E)		A-205		RED 6IN	E0:A7:00:09:79:AE	YC3W-J7TK-JCYL	
6	A-CAM-06 (CD51-E)		A-206		RED 6IN	E0:A7:00:09:79:AD	YC3W-JRRW-NJGQ	
7	A-CAM-07 (CD51-E)		A-207		RED 6IN	E0:A7:00:09:79:A9	YC3W-JJDR-K9JY	
8	A-CAM-08 (CD51-E)		A-208		RED 6IN	E0:A7:00:09:79:AB	YC3W-JPT9-WDKK	
9	A-CAM-09 (CD51-E)		A-209		RED 6IN	E0:A7:00:09:79:AA	YC3W-JNNT-QNJK	
10	A-CAM-10 (CD51-E)		A-210		RED 6IN	E0:A7:00:09:79:AC	YC3W-JPWY-WW79	
11	A-CAM-11 (CD51-E)		A-211		RED 6IN	E0:A7:00:09:79:B1	YC3W-K4YY-WX66	
12	A-CAM-12 (CD51-E)		A-212		RED 6IN	E0:A7:00:09:79:B2	YC3W-KCNX-4NAX	
13	A-CAM-13 (CD51-E)		A-213		RED 6IN	E0:A7:00:09:79:B3	YC3W-KDAC-3PY7	
14	A-CAM-14 (CD51-E)		A-214		RED 6IN	E0:A7:00:09:79:B4	YC3W-KDHL-RKKF	
15	A-CAM-15 (CD51-E)		A-215		RED 6IN	E0:A7:00:09:79:B5	YC3W-KEPH-DAN3	
16	A-CAM-16 (CD51-E)		A-216		RED 6IN	E0:A7:00:09:79:B6	YC3W-KETL-TAPE	
17	A-CAM-17 (CD51-E)		A-217		RED 6IN	E0:A7:00:09:79:B7	YC3W-KGCT-T6EX	
18	A-CAM-18 (CD51-E)		A-218		RED 6IN	E0:A7:00:09:79:B8	YC3W-KH44-HR6G	
19	A-CAM-19 (CD51-E)		A-219		RED 6IN	E0:A7:00:09:79:B9	YC3W-KKTX-4QJT	
20	A-CAM-20 (CD51-E)		A-220		RED 6IN	E0:A7:00:09:79:BA	YC3W-KMCE-TTX6	
21	A-CAM-21 (CD51-E)		A-221		RED 6IN	E0:A7:00:09:79:BB	YC3W-KMTL-XXYE	
22	A-CAM-22 (CD51-E)		A-222		RED 6IN	E0:A7:00:09:79:BC	YC3W-KN38-MGF7	
23	A-CAM-23 (CD51-E)		A-223		RED 6IN	E0:A7:00:09:79:BD	YC3W-KRT6-644T	
24	A-CAM-24 (CD51-E)		A-224		RED 6IN	E0:A7:00:05:79:BE	YC3Y-KT34-RND6	
25	A-CAM-25 (CD51-E)		A-225		RED 6IN	E0:A7:00:09:79:BF	YC3W-KTCT-6AXR	
26	A-CAM-26 (CD51-E)		A-226		RED 6IN	E0:A7:00:09:79:C0	YC3W-KXW9-Y9EK	
27	A-CAM-27 (CD51-E)		A-227		RED 6IN	E0:A7:00:09:79:E9	YC3W-M69-CE33	
28	A-CAM-28 (CD51-E)		A-228		RED 6IN	E0:A7:00:09:79:EA	YC3W-N4CL-C46D	
29	A-CAM-29 (CD51-E)		A-229		RED 6IN	E0:A7:00:09:79:EB	YC3W-N4KD-H48D	
30	A-CAM-30 (CD51-E)		A-230		RED 6IN	E0:A7:00:09:79:EC	YC3W-N676-FFAN	
31	CEILING DATA		A-231		RED 6IN			
32	A-CAM-32 (CD51-E)		A-232		RED 6IN	E0:A7:00:09:79:EE	YC3W-NCL3-WDXE	
33	A-CAM-33 (CD41) RACK-A		A-233		RED 6IN	E0:A7:00:06:74:84	TACQ-ADUX-EQP7	
34	A-CAM-TEMP-01 (OUTDOOR)		A-234		RED 6IN			
35	A-DOOR CTRL-01		A-235		RED 6IN	E0:A7:00:11:2C:01	R7MF-MCAX-91JD	
36	A-DOOR CTRL (Extra)		A-236		RED 6IN			
37	A-CAM-34 (CD41)		A-237		RED 6IN			
38	A-CAM-35 (CD41)		A-238		RED 6IN			
39	A-CAM-36 (CD51-E)		A-239		RED 6IN			
40	A-CAM-37 (CD51-E)		A-240		RED 6IN			
41	FUTURE CAM [HOT-131]		A-241		RED 6IN			
42	FUTURE CAM [HOT-126]		A-242		RED 6IN			
43	A-CAM-38 (CD51-E)		A-243		RED 6IN			
44	A-CAM-39 (CD51-E)		A-244		RED 6IN			
45	A-CAM-39 (CD51-E)		A-245		RED 6IN	E0:A7:00:09:79:ED	YC3W-N9FQ-NKWC	
46	A-CAM-40 (CD51-E)		A-246		RED 6IN			
47	A-CAM-41 (CD51-E)		A-247		RED 6IN			
48			A-248					
49 (SFP)								
50 (SFP)								
51 (SFP)								
52 (SFP)	SW-CORE-2	30(SFP)		I02				

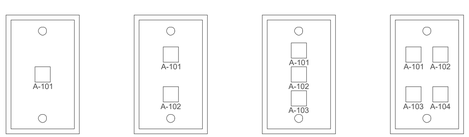
RACK-A SW/ PATCH PANEL CHART 01

Power		RACK-A	Rack -A (REAR)	Power
	-42	BLANK		
	-41	24 PATCH PANEL (A101-148) ODD		
A-PDU-01	-40	A-SW-01		
	-39	24 PATCH PANEL (A101-148) EVEN		
	-38	BLANK		
	-37	24 PATCH PANEL (A201-248) ODD		
A-PDU-02	-36	A-SW-02		
	-35	24 PATCH PANEL (A201-248) EVEN		
	-34	BLANK		
	-33	BLANK		
	-32			
A-PDU-01	-31	COMCAST ISP (PRIMARY)	A-PDU-01	A-UPS-1
	-30	BLANK		
A-PDU-01	-29	FW-PRIMARY		
	-28	BLANK		
A-PDU-01	-27	CORE-SW-PRIMARY		
	-26	BLANK		
A-PDU-02	-25	BLANK		
	-24	BLANK		
A-PDU-02	-23	CORE-SW-SECONDARY	A-PDU-02	A-UPS-2
	-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		
WALL OUTLET	-5	A-UPS-1		
	-4			
	-3	BLANK		
WALL OUTLET	-2	A-UPS-2		
	-1			

RACK-A LAYOUT 02



PATCH PANEL LABEL SCHEME 03



DATA OUTLET LABEL SCHEME 04

FW (MX250)			
Interface	Connected Device	Connected Port	Patch Panel Port
Internet 1	ISP-Primary		N/A
Internet 2	ISP-Secondary		N/A
3-10 LAN			N/A
11-18(SFP)			N/A
19-24(SFP+)			N/A
25(SFP+)	SW-CORE-1	36(SFP+)	N/A
26(SFP+)	SW-CORE-2	36(SFP+)	N/A

SW-CORE-1(MS410-32)			
Interface	Connected Device	Connected Port	Patch Panel Port
1-32(SFP)			N/A
33(SFP+)	A-SW-DATA-01	52(SFP+)	N/A
34(SFP+)	B-SW-DATA-01	52(SFP+)	N/A
35(SFP+)	C-SW-DATA-01	52(SFP+)	N/A
36(SFP+)	FW	25(SFP+)	N/A

SW-CORE-2(MS410-32)			
Interface	Connected Device	Connected Port	Patch Panel Port
1-32(SFP)			N/A
33(SFP+)	A-SW-DATA-02	52(SFP+)	N/A
34(SFP+)	B-SW-DATA-02	52(SFP+)	N/A
35(SFP+)	C-SW-DATA-02	52(SFP+)	N/A
36(SFP+)	FW	26(SFP+)	N/A

Traffic	Traffic Class	Minimum Guarante	Maximum Limit
Voice	Highest	40%	90%
Normal Traffic	Normal	20%	90%
Guest Traffic	Lowest	0%	10%

INTERCONNECTION CHART 05

Stacking Matrix CORE SW				
Hostname	Slot		Hostname	Slot
SW-CORE-1	1	<->	SW-CORE-2	2
SW-CORE-2	1	<->	SW-CORE-1	2

Stacking Matrix DATA SW - Section A				
Hostname	Slot		Hostname	Slot
A-SW-DATA-01	1	<->	A-SW-DATA-02	2
A-SW-DATA-02	1	<->	A-SW-DATA-01	2

STACK_SW CHART 07

Section A				
Hostname	Port		Hostname	Port
SW-CORE-1	33	<->	A-SW-DATA-01	52
SW-CORE-2	33		A-SW-DATA-02	52

Section B				
Hostname	Port		Hostname	Port
SW-CORE-1	34	<->	B-SW-DATA-01	52
SW-CORE-2	34		B-SW-DATA-02	52

Section C				
Hostname	Port		Hostname	Port
SW-CORE-1	35	<->	C-SW-DATA-01	52
SW-CORE-2	35		C-SW-DATA-02	52

LACP_INTERCONNECTION CHART 06

CLIENT / PROJECT:

NOTES:

NOTE TO GC/ELECTRICIAN:

- FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONSFOLLOW THE SIZE OF CONDUIT PER DATA OUTLET LOCATIONS

EMT SIZE CHART

NO. OF CABLES AT 40% CONDUIT FILL BASED ON TRADE SIZE OF THE CONDUIT (INCHES)

EMT SIZE	0.75	1.0	1.25	1.5	2	2.5	3	3.5	4
QTY OF CAT6	3	6	9	14	24	38	55	75	98

REVISION:

NO.	DATE	

DWG TITLE	RACK-A LAYOUT AND SWITCH / PATCH PANEL CHART
DWG/REV NO.	IT-002

LERNER SOLUTIONS
One Company. All Your Technology Needs.
ADD: 2255 CENTRE AVE BELLMORE, NY11710
WEB: WWW.LERNERSOLUTIONS.COM
TEL: 646-688-4914

B-SW-DATA-01		Powered by UPS		Network Team	Install team (ONLY)			
Interface	Connected Device	Connected Port	Patch Panel		Patch Color	Mac	Serial #	IP-Address
1	B-WAP-01		B-101		GREEN 6IN			
2	B-WAP-02		B-102		GREEN 6IN			
3	B-WAP-03		B-103		GREEN 6IN			
4	B-WAP-04 (MR66)		B-104		GREEN 6IN			
5	B-WAP-05		B-105		GREEN 6IN			
6	B-WAP-06		B-106		GREEN 6IN			
7	B-WAP-07		B-107		GREEN 6IN			
8	B-WAP-08 (MR66)		B-108		GREEN 6IN			
9	B-WAP-09		B-109		GREEN 6IN			
10	B-WAP-10		B-110		GREEN 6IN			
11	B-WAP-11 (MR66)		B-111		GREEN 6IN			
12	B-WAP-12		B-112		GREEN 6IN			
13	B-WAP-13		B-113		GREEN 6IN			
14	B-WAP-14		B-114		GREEN 6IN			
15	B-WAP-15		B-115		GREEN 6IN			
16			B-116		-			
17	B-RECEPTION -01-01		B-117		WHITE 6IN			
18	B-RECEPTION -01-02		B-118		WHITE 6IN			
19	B-HOT 113-01		B-119		WHITE 6IN			
20	B-HOT 113-02		B-120		WHITE 6IN			
21	B-AV-117-SD		B-121		WHITE 6IN			
22	B-AV-117-TV-01		B-122		WHITE 6IN			
23	B-AV-117-TV-02		B-123		WHITE 6IN			
24	B-117-TABLE-01		B-124		WHITE 6IN			
25	B-117-TABLE-02		B-125		WHITE 6IN			
26	B-AV-118-SD		B-126		WHITE 6IN			
27	B-AV-118-TV-01		B-127		WHITE 6IN			
28	B-AV-118-TV-02		B-128		WHITE 6IN			
29	B-118-TABLE-01		B-129		WHITE 6IN			
30	B-118-TABLE-02		B-130		WHITE 6IN			
31	B-AV-119-SD		B-131		WHITE 6IN			
32	B-AV-119-TV-01		B-132		WHITE 6IN			
33	B-AV-119-TV-02		B-133		WHITE 6IN			
34	B-119-TABLE-01		B-134		WHITE 6IN			
35	B-119-TABLE-02		B-135		WHITE 6IN			
36	B-AV-120-SD		B-136		WHITE 6IN			
37	B-AV-120-TV-01		B-137		WHITE 6IN			
38	B-AV-120-TV-02		B-138		WHITE 6IN			
39	B-AV-120-TV-03		B-139		WHITE 6IN			
40	B-120-01-01		B-140		WHITE 6IN			
41	B-120-01-02		B-141		WHITE 6IN			
42	B-120-02-01		B-142		WHITE 6IN			
43	B-120-02-02		B-143		WHITE 6IN			
44	B-120-03-01		B-144		WHITE 6IN			
45	B-120-03-02		B-145		WHITE 6IN			
46			B-146		-			
47			B-147		-			
48			B-148		-			
49 (SFP)								
50 (SFP)								
51 (SFP)								
52 (SFP)	SW-CORE-1	31(SFP)		103				

B-SW-DATA-02		Powered by UPS		Network Team	Install team (ONLY)			
Interface	Connected Device	Connected Port	Patch Panel		Patch Color	Mac	Serial #	IP-Address
1	B-CAM-01 (CD51-E)		B-201		RED 6IN	E0:A7:0D:09:79:EF	YCSW-N3EA-Y7H9	
2	B-CAM-02 (CD51-E)		B-202		RED 6IN	E0:A7:0D:09:79:F0	YCSW-NEMH-QRXR	
3	B-CAM-03 (CD41)		B-203		RED 6IN	E0:A7:0D:06:74:B6	TACQ-AST7-CTP6	
4	B-CAM-04 (CD41)		B-204		RED 6IN	E0:A7:0D:06:74:B3	TACQ-ARWE-ROTA	
5	B-CAM-05 (CD41)		B-205		RED 6IN	E0:A7:0D:06:74:B2	TACQ-ARF9-KF7P	
6	B-CAM-06 (CD51-E)		B-206		RED 6IN	E0:A7:0D:09:79:96	YCSW-HMC4-CMH6	
7	B-CAM-07 (CD41)		B-207		RED 6IN	E0:A7:0D:06:74:B1	TACQ-ATQP-FKPF	
8	B-CAM-08 (CD41)		B-208		RED 6IN	E0:A7:0D:06:74:B1	TACQ-AR93-QGK9	
9	B-CAM-09 (CD41)		B-209		RED 6IN	E0:A7:0D:06:74:F6	TACQ-2KXR-6PGW	
10	B-CAM-10 (CD41)		B-210		RED 6IN	E0:A7:0D:06:74:E4	TACQ-HCKD-GXMG	
11	B-CAM-11 (CD51-E)		B-211		RED 6IN	E0:A7:0D:09:79:98	YCSW-HPX6-E49H	
12	B-CAM-12 (CD51-E)		B-212		RED 6IN	E0:A7:0D:09:79:97	YCSW-HP7K-9LQF	
13	B-CAM-13 (CD51-E)		B-213		RED 6IN	E0:A7:0D:09:79:93	YCSW-HGLL-6JA9	
14	B-CAM-14 (CD41)		B-214		RED 6IN	E0:A7:0D:06:74:E3	TACQ-HATR-3ETK	
15	B-CAM-15 (CD51-E)		B-215		RED 6IN	E0:A7:0D:09:79:94	YCSW-HK44-XTQW	
16	B-CAM-16 (CD51-E)		B-216		RED 6IN	E0:A7:0D:09:79:92	YCSW-HFCD-Q73C	
17	B-CAM-17 (CD51-E)		B-217		RED 6IN	E0:A7:0D:09:72:F1	YC3P-E4M6-E343	
18	B-CAM-18 (CD41)		B-218		RED 6IN	E0:A7:0D:06:74:E5	TACQ-J4GA-VHAA	
19	B-CAM-19 (CD51-E)		B-219		RED 6IN	E0:A7:0D:09:72:F2	YC3P-E4KY-YCD9	
20	B-CAM-20 (CD41)		B-220		RED 6IN	E0:A7:0D:06:74:F2	TACQ-JG7D-TGQA	
21	B-CAM-21 (CD51-E)		B-221		RED 6IN	E0:A7:0D:09:72:F3	YC3P-E6HE-ENT7	
22	B-CAM-22 (CD41)		B-222		RED 6IN	E0:A7:0D:06:74:F5	TACQ-JK4E-DKWL	
23	B-CAM-23 (CD41)		B-223		RED 6IN	E0:A7:0D:06:74:F3	TACQ-JHGG-H6AC	
24	B-CAM-24 (CD41)		B-224		RED 6IN	E0:A7:0D:06:74:F4	TACQ-JJEJ-C3Y7	
25	B-CAM-25 (CD41)		B-225		RED 6IN	E0:A7:0D:06:75:4E	TACQ-PHAM-3WNX	
26	B-CAM-26 (CD41)		B-226		RED 6IN	E0:A7:0D:06:75:4F	TACQ-PLJB-C69H	
27	B-CAM-27 (CD41)		B-227		RED 6IN	E0:A7:0D:06:75:50	TACQ-PLFP-9ME6	
28	B-CAM-28 (CD41) -Rack B		B-228		RED 6IN	E0:A7:0D:06:75:51	TACQ-PLML-CE94	
29	B-Uniform RM-01-01		B-229		WHITE 6IN			
30	B-Uniform RM-01-02		B-230		WHITE 6IN			
31	B-Uniform RM-01-03		B-231		WHITE 6IN			
32	B-Uniform RM-01-04		B-232		WHITE 6IN			
33	B-MENS LOCKER-01		B-233		WHITE 6IN			
34	B-MENS LOCKER-02		B-234		WHITE 6IN			
35	B-WOMENS LOCKER-01		B-235		WHITE 6IN			
36	B-WOMENS LOCKER-02		B-236		WHITE 6IN			
37	CORRIDOR-05		B-237		WHITE 6IN			
38	CORRIDOR-06		B-238		WHITE 6IN			
39	CORRIDOR-07		B-239		WHITE 6IN			
40	CORRIDOR-08		B-240		WHITE 6IN			
41	B-CAM-29 (CD41)		B-241		RED 6IN			
42	B-CAM-30 (CD41)		B-242		RED 6IN			
43	B-CAM-31 (CD51-E)		B-243		RED 6IN			
44	FUTURE CAM [HOT-113]		B-244		RED 6IN			
45	B-CAM-32 (CD51-E)		B-245		RED 6IN			
46	B-CAM-33 (CD41)--COLD	Production Door	B-246		-			
47			B-247		-			
48			B-248		-			
49 (SFP)								
50 (SFP)								
51 (SFP)								
52 (SFP)	SW-CORE-2	31(SFP)		104				

B-SW-DATA-03		Powered by UPS		Network Team	Install team (ONLY)			
Interface	Connected Device	Connected Port	Patch Panel		Patch Color	Mac	IP-Address	
1	B-DATA-01		B-301		WHITE 6IN			
2	B-DATA-02		B-302		WHITE 6IN			
3	B-DATA-03		B-303		WHITE 6IN			
4	B-DATA-04		B-304		WHITE 6IN			
5	B-DATA-05		B-305		WHITE 6IN			
6	B-DATA-06		B-306		WHITE 6IN			
7	B-DATA-07		B-307		WHITE 6IN			
8	B-DATA-08		B-308		WHITE 6IN			
9	B-DATA-09		B-309		WHITE 6IN			
10	B-DATA-10		B-310		WHITE 6IN			
11	B-DATA-11		B-311		WHITE 6IN			
12	B-DATA-12		B-312		WHITE 6IN			
13	B-DATA-13		B-313		WHITE 6IN			
14	B-DATA-14		B-314		WHITE 6IN			
15	B-DATA-15		B-315		WHITE 6IN			
16	B-DATA-16		B-316		WHITE 6IN			
17	B-DATA-17		B-317		WHITE 6IN			
18	B-DATA-18		B-318		WHITE 6IN			
19	B-DATA-19		B-319		WHITE 6IN			
20	B-DATA-20		B-320		WHITE 6IN			
21	B-DATA-21		B-321		WHITE 6IN			
22	B-DATA-22		B-322		WHITE 6IN			
23	B-DATA-23		B-323		WHITE 6IN			
24	B-DATA-24		B-324		WHITE 6IN			
25	B-DATA-25		B-325		WHITE 6IN			
26	B-DATA-26		B-326		WHITE 6IN			
27	B-DATA-27		B-327		WHITE 6IN			
28	B-DATA-28		B-328		WHITE 6IN			
29	B-DATA-29		B-329		WHITE 6IN			
30	B-DATA-30		B-330		WHITE 6IN			
31	B-DATA-31		B-331		WHITE 6IN			
32	B-DATA-32		B-332		WHITE 6IN			
33	B-DATA-33		B-333		WHITE 6IN			
34	B-DATA-34		B-334		WHITE 6IN			
35	B-DATA-35		B-335		WHITE 6IN			
36	B-DATA-36		B-336		WHITE 6IN			
37	B-DATA-37		B-337		WHITE 6IN			
38	B-DATA-38		B-338		WHITE 6IN			
39	B-DATA-39		B-339		WHITE 6IN			
40	B-DATA-40		B-340		WHITE 6IN			
41			B-341		-			
42			B-342		-			
43			B-343		-			
44			B-344		-			
45			B-345		-			
46			B-346		-			
47			B-347		-			
48			B-348		-			
49 (SFP)								
50 (SFP)								
51 (SFP)								
52 (SFP)								

B-SW-DATA-04		Powered by UPS		Network Team	Install team (ONLY)		
Interface	Connected Device	Connected Port	Patch Panel		Patch Color	Mac	IP-Address
1	B-DATA-41 PRINTER		B-401		WHITE 6IN		
2	B-DATA-42 PRINTER		B-402		WHITE 6IN		
3	B-AV-202-SD		B-403		WHITE 6IN		
4	B-AV-202-TV-01		B-404		WHITE 6IN		
5	B-AV-202-TV-02		B-405		WHITE 6IN		
6	B-AV-202-TV-03		B-406		WHITE 6IN		
7	B-202-TABLE-01		B-407		WHITE 6IN		
8	B-202-TABLE-02		B-408		WHITE 6IN		
9	B-202-TABLE-03		B-409		WHITE 6IN		
10	B-202-TABLE-04		B-410		WHITE 6IN		
11	B-AV-HUDDLE 203-SD		B-411		WHITE 6IN		
12	B-AV-HUDDLE 203-TV-01		B-412		WHITE 6IN		
13	B-AV-HUDDLE 203-TV-02		B-413		WHITE 6IN		
14	B-HUDDLE 203-TABLE-01		B-414		WHITE 6IN		
15	B-HUDDLE 203-TABLE-02		B-415		WHITE 6IN		
16	B-AV-HUDDLE 204-SD		B-416		WHITE 6IN		
17	B-AV-HUDDLE 204-TV-01		B-417		WHITE 6IN		
18	B-AV-HUDDLE 204-TV-02		B-418		WHITE 6IN		
19	B-HUDDLE 204-TABLE-01		B-419		WHITE 6IN		
20	B-HUDDLE 204-TABLE-02		B-420		WHITE 6IN		
21	B-AV-HUDDLE 205-SD		B-421		WHITE 6IN		
22	B-AV-HUDDLE 205-TV-01		B-422		WHITE 6IN		
23	B-AV-HUDDLE 205-TV-02		B-423		WHITE 6IN		
24	B-HUDDLE 205-TABLE-01		B-424		WHITE 6IN		
25	B-HUDDLE 205-TABLE-02		B-425		WHITE 6IN		
26	B-AV-HUDDLE 206-SD		B-426		WHITE 6IN		
27	B-AV-HUDDLE 206-TV-01		B-427		WHITE 6IN		
28	B-AV-HUDDLE 206-TV-02		B-428		WHITE 6IN		
29	B-HUDDLE 206-TABLE-01		B-429		WHITE 6IN		
30	B-HUDDLE 206-TABLE-02		B-430		WHITE 6IN		
31	B-AV-OFFICE 201-TV01-01		B-431		WHITE 6IN		
32	B-AV-OFFICE 201-TV01-02		B-432		WHITE 6IN		
33	B-AV-OFFICE 201-TV02-01		B-433		WHITE 6IN		
34	B-AV-OFFICE 201-TV02-02		B-434		WHITE 6IN		
35	B-AV-CAFE-Futura TV-01		B-435		WHITE 6IN		
36	B-AV-CAFE-Futura TV-02		B-436		WHITE 6IN		
37	B-CAFE-Extra-01		B-437		WHITE 6IN		
38	B-CAFE-Extra-02		B-438		WHITE 6IN		
39	B-CAFE-Extra-03		B-439		WHITE 6IN		
40	B-CAFE-Extra-04		B-440		WHITE 6IN		
41	B-AV-RACK-01-01		B-441		WHITE 6IN		
42	B-AV-RACK-01-02		B-442		WHITE 6IN		
43	B-AV-RACK-01-03		B-443		WHITE 6IN		
44	B-AV-RACK-01-04		B-444		WHITE 6IN		
45			B-445		-		
46			B-446		-		
47			B-447		-		
48			B-448		-		
49 (SFP)							
50 (SFP)							
51 (SFP)							
52 (SFP)							

B-SW-DATA-05		Powered by UPS		Network Team	Install team (ONLY)		
Interface	Connected Device	Connected Port	Patch Panel		Patch Color	Mac	IP-Address
1	B-TIMECLOCK-01-01		B-501		WHITE 6IN		
2	B-TIMECLOCK-01-02		B-502		WHITE 6IN		
3	B-TIMECLOCK-02-01		B-503		WHITE 6IN		
4	B-TIMECLOCK-02-02		B-504		WHITE 6IN		
5	B-TIMECLOCK-03-01		B-505		WHITE 6IN		
6	B-TIMECLOCK-03-02		B-506		WHITE 6IN		
7	B-TIMECLOCK-04-01		B-507		WHITE 6IN		
8	B-TIMECLOCK-04-02		B-508		WHITE 6IN		
9	B-DOOR CTRL-01		B-509		BLUE 6IN		R7MF-CF39-6K4H
10	B-DOOR CTRL-02		B-510		BLUE 6IN		R7MF-A3TJ-7FY3
11	TIMECLOCK-(HOT126)		B-511		-		
12	TIMECLOCK-(HOT113)		B-512		-		
13	TIMECLOCK (NEAR IDF RM)-01		B-513		-		
14	TIMECLOCK (NEAR IDF RM)-02		B-514		-		
15			B-515		-		
16			B-516		-		
17			B-517		-		
18			B-518		-		
19			B-519		-		
20			B-520		-		
21			B-521		-		
22			B-522		-		
23			B-523		-		
24			B-524		-		
25			B-525		-		
26			B-526		-		
27			B-527		-		
28			B-528		-		
29			B-529		-		
30			B-530		-		
31			B-531		-		
32			B-532		-		
33			B-533		-		
34			B-534		-		
35			B-535		-		
36			B-536		-		
37			B-537		-		
38			B-538		-		
39			B-539		-		
40			B-540		-		
41			B-541		-		
42			B-542		-		
43			B-543		-		
44			B-544		-		
45			B-545		-		
46			B-546		-		
47			B-547		-		
48			B-548		-		
49 (SFP)							
50 (SFP)							
51 (SFP)							
52 (SFP)							

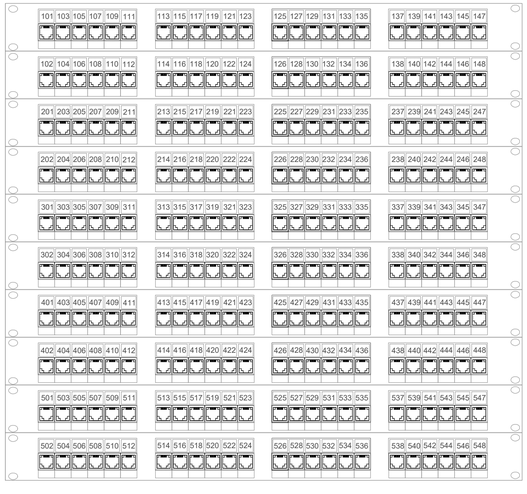
Stacking Matrix DATA SW - Section B				
Hostname	Slot		Hostname	Slot
B-SW-DATA-01	1	<->	B-SW-DATA-02	2
B-SW-DATA-02	1	<->	B-SW-DATA-03	2
B-SW-DATA-03	1	<->	B-SW-DATA-04	2
B-SW-DATA-04	1	<->	B-SW-DATA-05	2
B-SW-DATA-05	1	<->	B-SW-DATA-01	2

RACK-B SW/ PATCH PANEL CHART 01

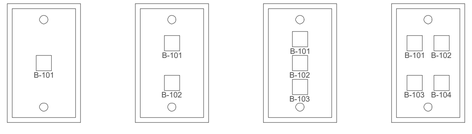
STACK_SW CHART 02

Power		RACK-B	Rack -B (REAR)	Power
	-42	BLANK		
	-41	24 PATCH PANEL (B101-148) ODD		
B-PDU-01	-40	B-SW-01		
	-39	24 PATCH PANEL (B101-148) EVEN		
	-38	BLANK		
	-37	24 PATCH PANEL (B201-248) ODD		
B-PDU-02	-36	B-SW-02		
	-35	24 PATCH PANEL (B201-248) EVEN		
	-34	BLANK		
	-33	24 PATCH PANEL (B301-348) ODD		
B-PDU-01	-32	B-SW-03		
	-31	24 PATCH PANEL (B301-348) EVEN	B-PDU-01	B-UPS-1
	-30	BLANK		
	-29	24 PATCH PANEL (B401-448) ODD		
B-PDU-02	-28	B-SW-04		
	-27	24 PATCH PANEL (B401-448) EVEN		
	-26	BLANK		
	-25	24 PATCH PANEL (B501-548) ODD		
	-24	B-SW-05		
	-23	24 PATCH PANEL (B501-548) EVEN	B-PDU-02	B-UPS-2
	-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		
WALL OUTLET	-5	B-UPS-1		
	-4			
	-3	BLANK		
WALL OUTLET	-2	B-UPS-2		
	-1			

RACK-B LAYOUT 03



PATCH PANEL LABEL SCHEME 04



DATA OUTLET LABEL SCHEME 05

CLIENT / PROJECT:

NOTES:

NOTE TO GC/ELECTRICIAN:

- FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONSFOLLOW THE SIZE OF CONDUIT PER DATA OUTLET LOCATIONS

EMT SIZE CHART

NO. OF CABLES AT 40% CONDUIT FILL BASED ON TRADE SIZE OF THE CONDUIT (INCHES)

EMT SIZE	0.75	1.0	1.25	1.5	2	2.5	3	3.5	4
QTY OF CATE	3	6	9	14	24	38	55	75	98

REVISION:

NO.	DATE	

DWG TITLE	RACK-B LAYOUT AND SWITCH / PATCH PANEL CHART
DWG/REV NO.	IT-003

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TEL: 646-688-4914

C-PP-PHASE 1		Powered by UPS		Network Team	Install team (ONLY)			
Interface	Connected Device	Connected Port	Patch Panel		Patch Color	Mac	Serial #	IP-Address
-	C-WAP-01 (MR86)		C-101		GREEN 12IN			
-	C-WAP-02		C-102		GREEN 12IN			
-	C-CAM-01 (C051-E)		C-103		RED 12IN			
-	C-CAM-02 (C041)		C-104		RED 12IN			
-	C-CAM-03 (C051-E)		C-105		RED 12IN			
-	C-CAM-04 (C051-E)		C-106		RED 12IN			
-	C-CAM-05 (C041) RACK-C		C-107		RED 12IN			
-	C-DOOR CTRL-01		C-108		RED 12IN			
-	C-DOOR CTRL-02		C-109		RED 12IN			
-	C-DOOR CTRL-03		C-110		RED 12IN			
-	PHASE 2 -C-CAM-TEMP-01	OUTDOOR)	C-111		RED 12IN			
-	C-CAM-06 (C041)		C-112		RED 12IN			
-	C-CAM-07 (C051-E)		C-113		RED 12IN			
-	C-CAM-08 (C051-E)		C-114		RED 12IN			
-	C-CAM-09 (C051-E)		C-115		RED 12IN			
-			C-116					
-			C-117					
-			C-118					
-			C-119					
-			C-120					
-			C-121					
-			C-122					
-			C-123					
-			C-124					

C-SW-DATA-01		Powered by UPS		Network Team	Install team (ONLY)			
Interface	Connected Device	Connected Port	Patch Panel		Patch Color	Mac	Serial #	IP-Address
1	C-WAP-01 (MR86)							
2	C-WAP-02							
3	C-CAM-01 (C051-E)					E0:A7:00:09:72:F7	YC3P-E0TA-TEET	
4	C-CAM-02 (C041)					e0:a7:00:06:75:3D	TACQ-FH9E-Y9EW	
5	C-CAM-03 (C051-E)					E0:A7:00:09:72:F8	YC3P-EEDL-7QJG	
6	C-CAM-04 (C051-E)					E0:A7:00:09:72:F6	YC3P-E9YH-JXXF	
7	C-CAM-05 (C041) RACK-C					e0:a7:00:06:75:4b	TACQ-FE7W-CJCE	
8	C-DOOR CTRL-01					E0:A7:00:11:2C:05	R7MF-NFEK-D2J6	
9	C-DOOR CTRL-02					E0:A7:00:11:2C:0D	R7MF-N7RC-CEFY4	
10	C-DOOR CTRL-03					E0:A7:00:11:2c:15	R7MF-PY9T-CDAK	
11	PHASE 2 -C-CAM-TEMP-01	OUTDOOR)						YC3P-E9YD-4H7P
12	C-CAM-06 (C041)							
13	C-CAM-07 (C051-E)							
14	C-CAM-08 (C051-E)							
15	C-CAM-09 (C051-E)							
16			C-216					
17			C-217					
18			C-218					
19			C-219					
20			C-220					
21			C-221					
22			C-222					
23			C-223					
24			C-224					
25			C-225					
26			C-226					
27			C-227					
28			C-228					
29			C-229					
30			C-230					
31			C-231					
32			C-232					
33			C-233					
34			C-234					
35			C-235					
36			C-236					
37			C-237					
38			C-238					
39			C-239					
40			C-240					
41			C-241					
42			C-242					
43			C-243					
44			C-244					
45			C-245					
46			C-246					
47			C-247					
48			C-248					
49 (SFP)								
50 (SFP)								
51 (SFP)								
52 (SFP)	SW-CORE-1	32(SFP)		105				

RACK-C SW/ PATCH PANEL CHART 01

Stacking Matrix DATA SW - Section C				
Hostname	Slot		Hostname	Slot
C-SW-DATA-01	1	<->	C-SW-DATA-02	2
C-SW-DATA-02	1	<->	C-SW-DATA-01	2

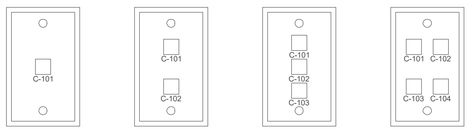
STACK_SW CHART 02

Power		RACK-C	Rack -C (REAR)	Power
	-42	24 PATCH PANEL (C101-124) PHASE		
	-41	BLANK		
	-40	BLANK (PHASE2 PATCH PANEL)		
C-PDU-01	-39	C-SW-01		
	-38	BLANK (PHASE2 PATCH PANEL)		
	-37	BLANK		
	-36	BLANK (PHASE2 PATCH PANEL)		
C-PDU-02	-35	C-SW-02		
	-34	BLANK (PHASE2 PATCH PANEL)		
	-33	BLANK		
	-32	BLANK		
	-31	BLANK	B-PDU-01	C-UPS-1
	-30	BLANK		
	-29	BLANK		
	-28	BLANK		
	-27	BLANK		
	-26	BLANK		
	-25	BLANK		
	-24	BLANK		
	-23	BLANK	B-PDU-02	C-UPS-2
	-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		
WALL OUTLET	-5	C-UPS-1		
	-4			
	-3	BLANK		
WALL OUTLET	-2	C-UPS-2		
	-1			

RACK-C LAYOUT 03



PATCH PANEL LABEL SCHEME 04



DATA OUTLET LABEL SCHEME 05

CLIENT / PROJECT:

NOTES:

NOTE TO GC/ELECTRICIAN:

- FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONSFOLLOW THE SIZE OF CONDUIT PER DATA OUTLET LOCATIONS

EMT SIZE CHART

NO. OF CABLES AT 40% CONDUIT FILL BASED ON TRADE SIZE OF THE CONDUIT (INCHES)

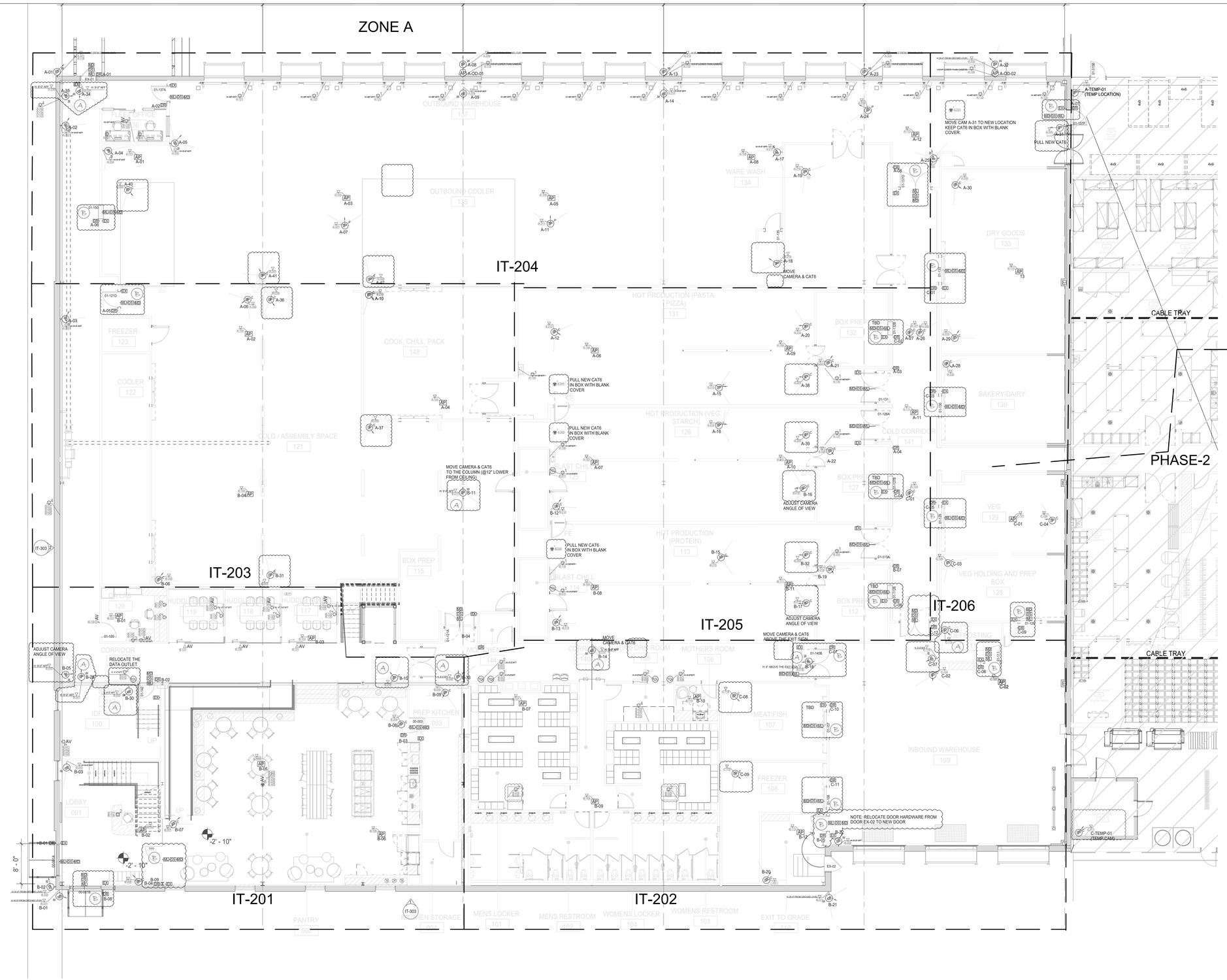
EMT SIZE	0.75	1.0	1.25	1.5	2	2.5	3	3.5	4
QTY OF CAT6	3	6	9	14	24	38	55	75	98

REVISION:

NO.	DATE	

DWG TITLE	RACK-C LAYOUT AND SWITCH / PATCH PANEL CHART
DWG/REV NO.	IT-004

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FIRST FLOOR PLAN: ITEM LOCATION OVERVIEW

CLIENT / PROJECT:

NOTES:

NOTE TO GC/ELECTRICIAN:

- FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONSFOLLOW THE SIZE OF CONDUIT PER DATA OUTLET LOCATIONS

EMT SIZE CHART

NO. OF CABLES AT 40% CONDUIT FILL BASED ON TRADE SIZE OF THE CONDUIT (INCHES)

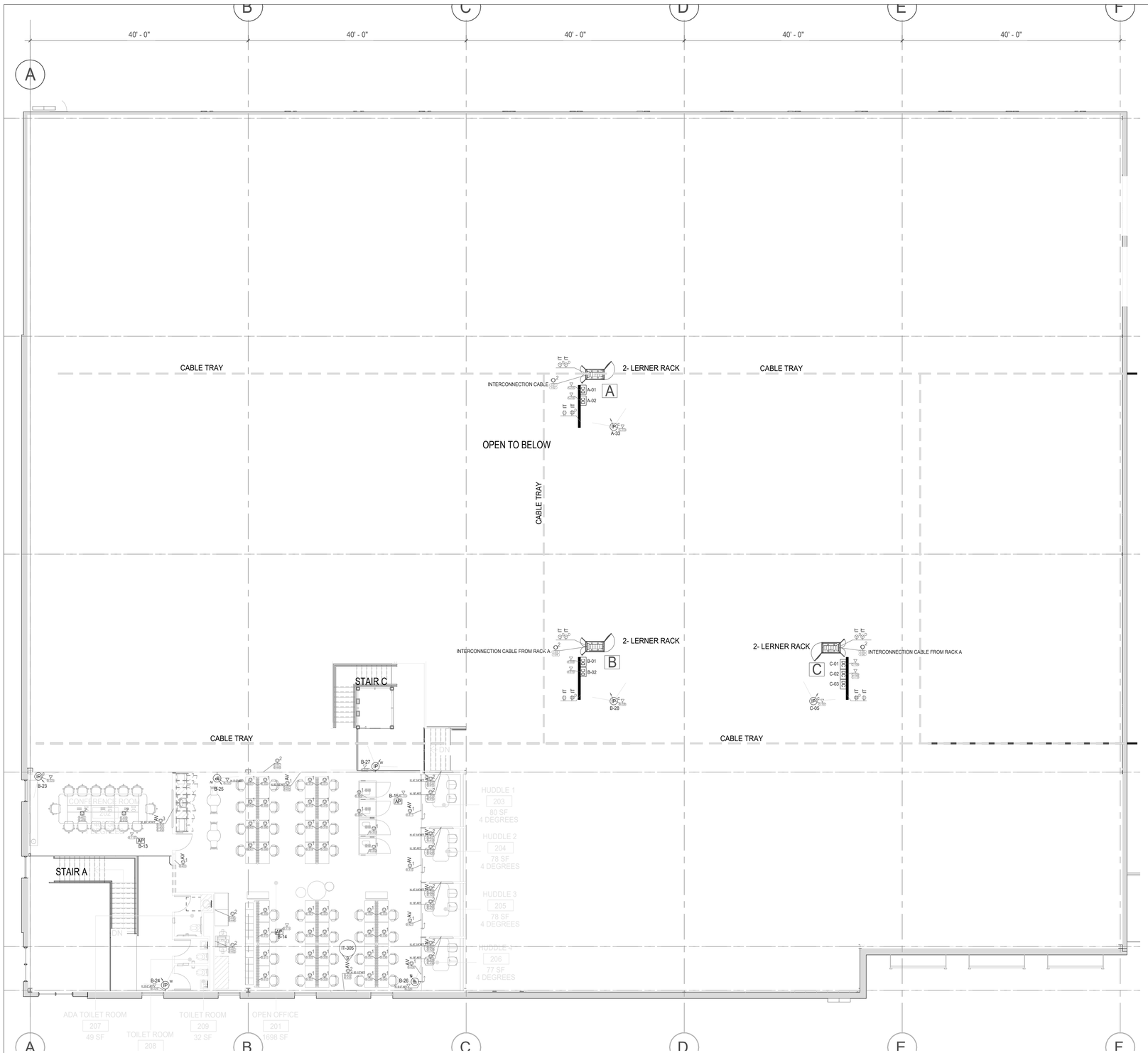
EMT SIZE	0.75	1.0	1.25	1.5	2	2.5	3	3.5	4
QTY OF CAT6	3	6	9	14	24	38	55	75	98

REVISION:

NO.	DATE	

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

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SECOND FLOOR PLAN

CLIENT / PROJECT:

NOTES:

NOTE TO GC/ELECTRICIAN:

- FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONSFOLLOW THE SIZE OF CONDUIT PER DATA OUTLET LOCATIONS

EMT SIZE CHART

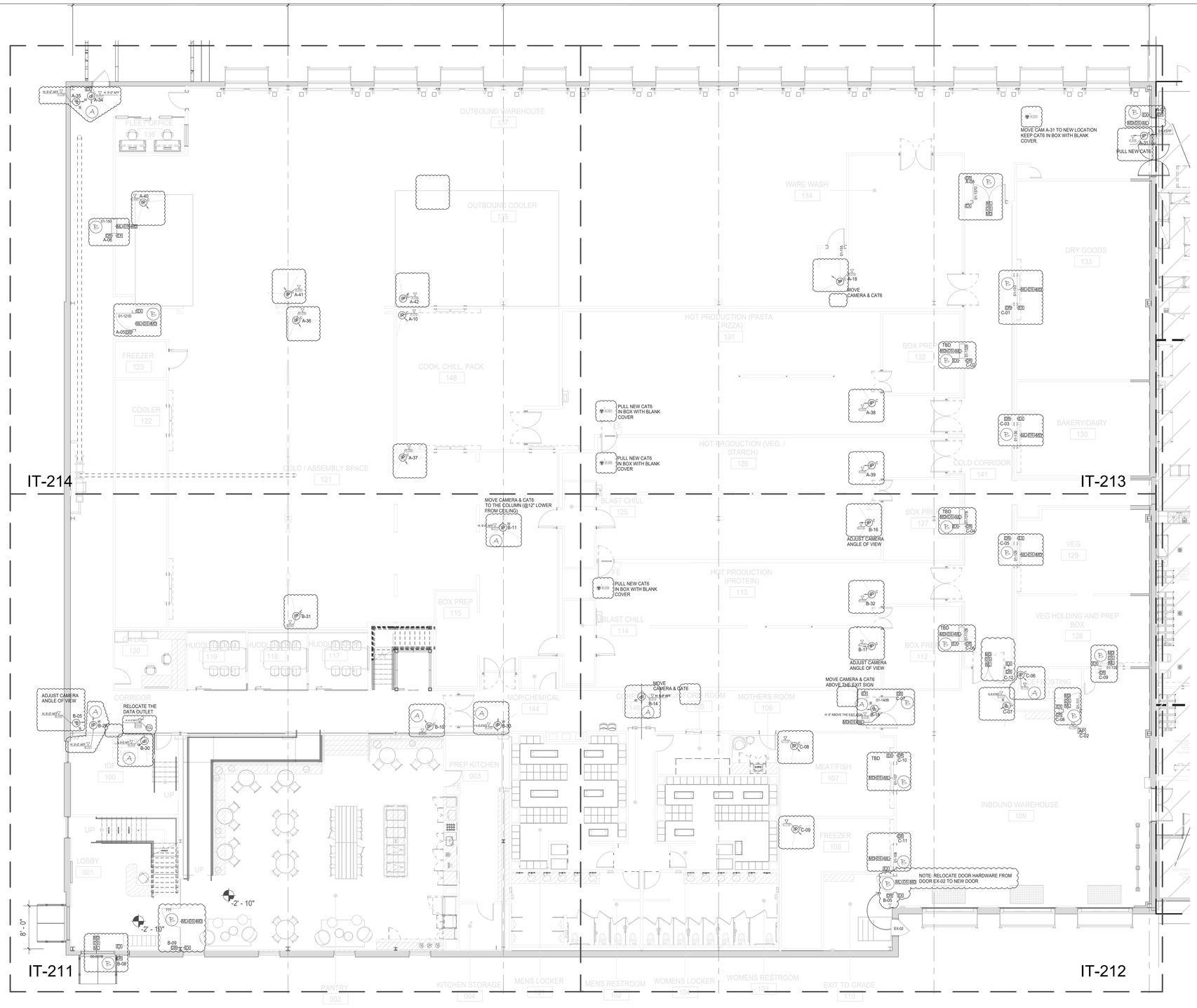
	NO. OF CABLES AT 40% CONDUIT FILL BASED ON TRADE SIZE OF THE CONDUIT (INCHES)								
EMT SIZE	0.75	1.0	1.25	1.5	2	2.5	3	3.5	4
QTY OF CAT6	3	6	9	14	24	38	55	75	98

REVISION:

NO.	DATE	

DWG TITLE	SECOND FLOOR PLAN (OVERVIEW)
DWG/REV NO.	IT-102

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FIRST FLOOR PLAN: NEW/MODIFED ITEM LOCATIONS OVERVIEWS

CLIENT / PROJECT:

NOTES:

NOTE TO GC/ELECTRICIAN:

- FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONSFOLLOW THE SIZE OF CONDUIT PER DATA OUTLET LOCATIONS

EMT SIZE CHART

NO. OF CABLES AT 40% CONDUIT FILL BASED ON TRADE SIZE OF THE CONDUIT (INCHES)

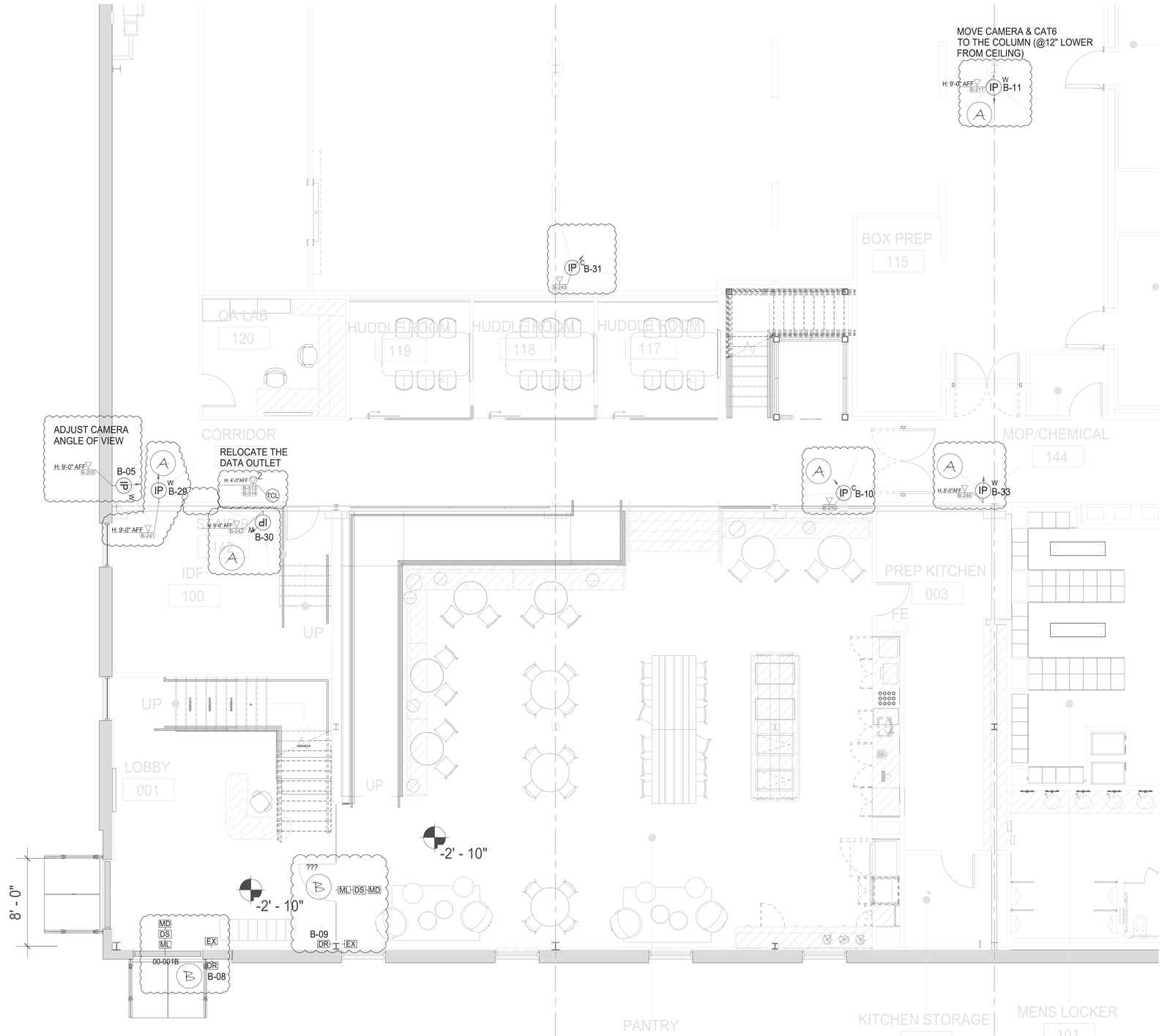
EMT SIZE	0.75	1.0	1.25	1.5	2	2.5	3	3.5	4
QTY OF CATS	3	6	9	14	24	38	55	75	98

REVISION:

NO.	DATE	

DWG TITLE	FIRST FLOOR PLAN (OVERVIEW) NEW / MODIFIED ITEMS
DWG/REV NO.	IT-111

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FIRST FLOOR PLAN: NEW/MODIFED ITEM LOCATIONS - ENLARGE #1

CLIENT / PROJECT:

NOTES:

NOTE TO GC/ELECTRICIAN:

- FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONSFOLLOW THE SIZE OF CONDUIT PER DATA OUTLET LOCATIONS

EMT SIZE CHART

NO. OF CABLES AT 40% CONDUIT FILL BASED ON TRADE SIZE OF THE CONDUIT (INCHES)

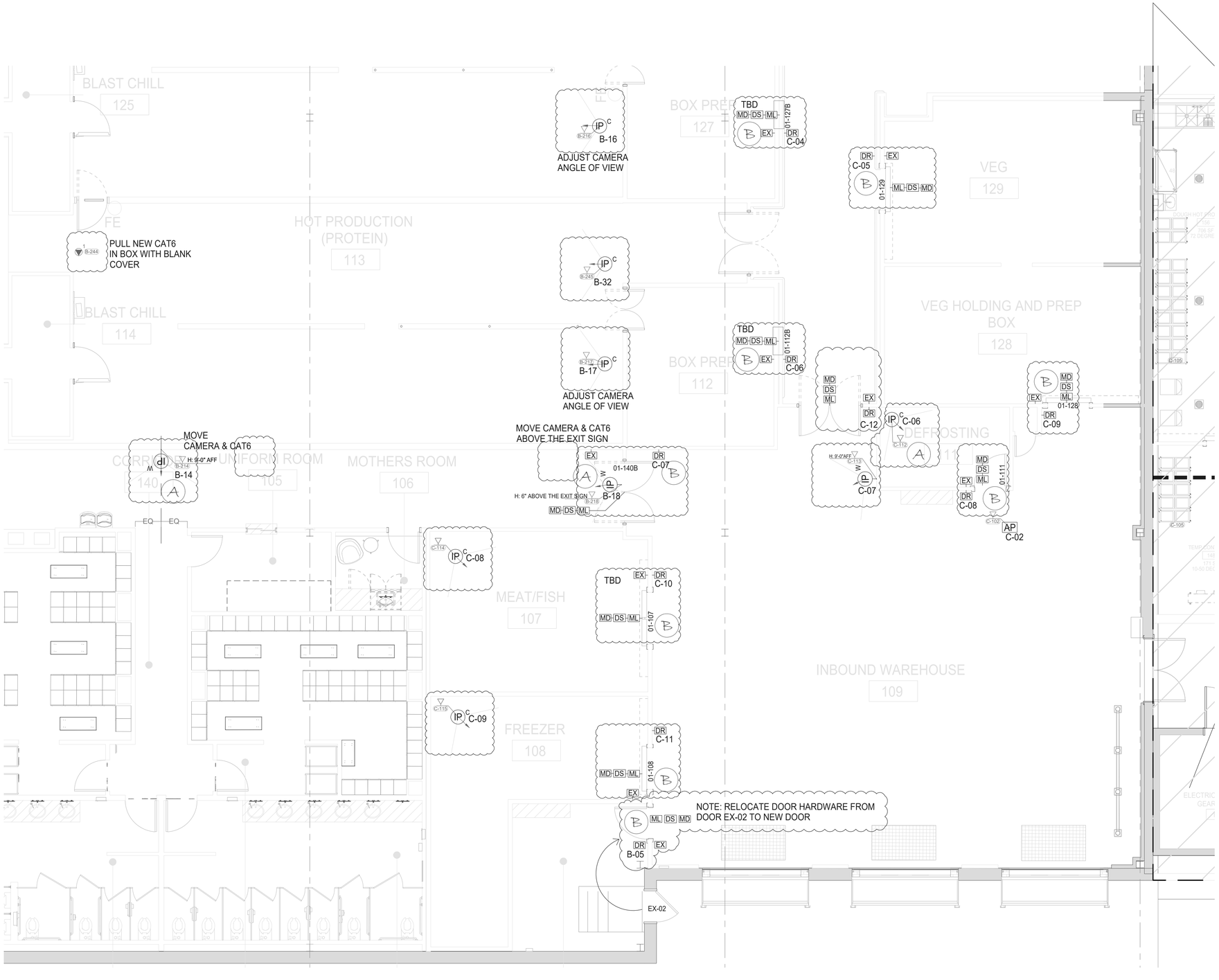
EMT SIZE	0.75	1.0	1.25	1.5	2	2.5	3	3.5	4
QTY OF CAT6	3	6	9	14	24	38	55	75	98

REVISION:

NO.	DATE	

DWG TITLE	FIRST FLOOR PLAN NEW / MODIFIED ITEMS ENLARGE #1
DWG/REV NO.	IT-211

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FIRST FLOOR PLAN: NEW/MODIFED ITEM LOCATIONS - ENLARGE #2

CLIENT / PROJECT:

NOTES:

NOTE TO GC/ELECTRICIAN:

- FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONSFOLLOW THE SIZE OF CONDUIT PER DATA OUTLET LOCATIONS

EMT SIZE CHART

NO. OF CABLES AT 40% CONDUIT FILL BASED ON TRADE SIZE OF THE CONDUIT (INCHES)

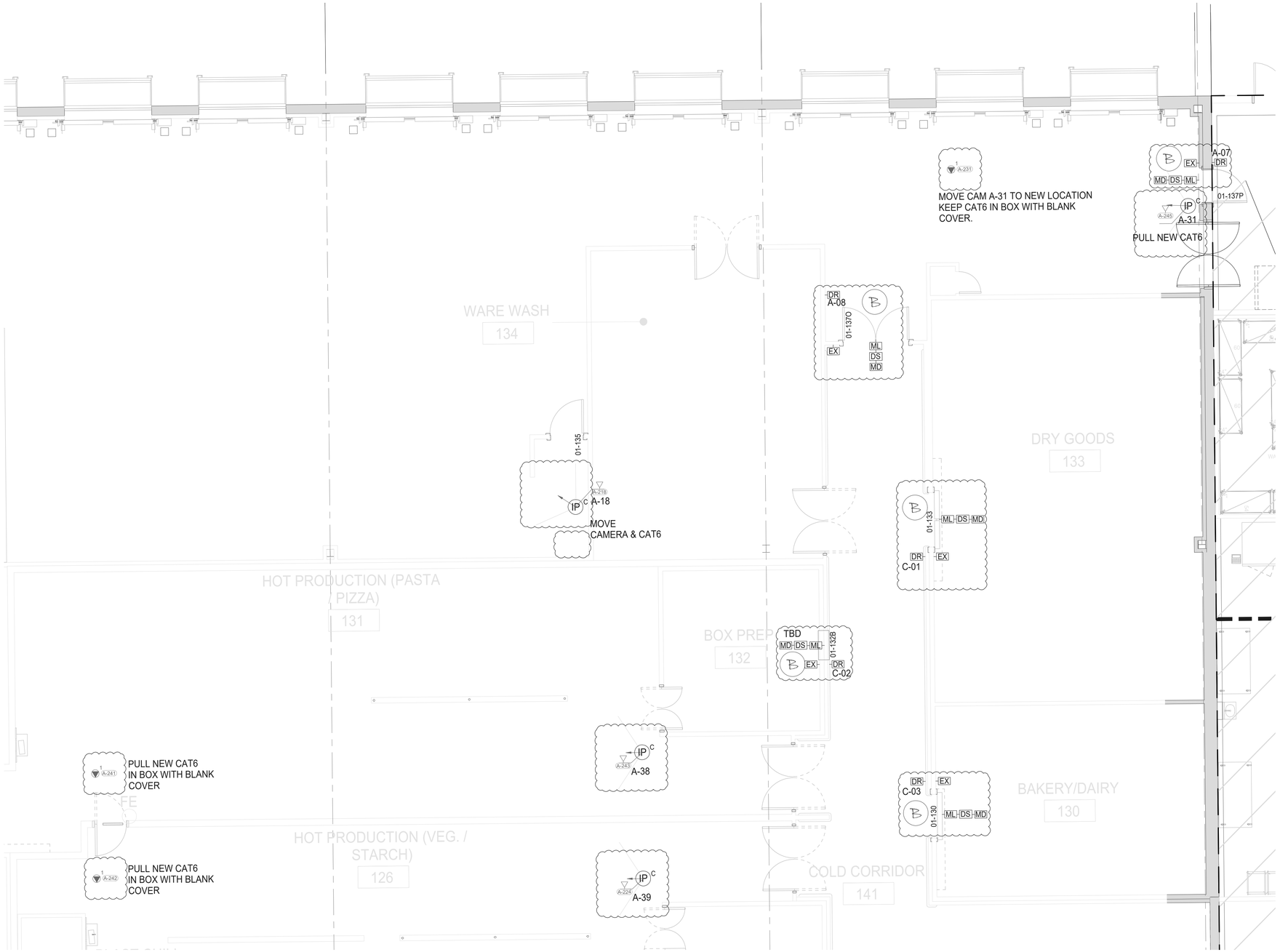
EMT SIZE	0.75	1.0	1.25	1.5	2	2.5	3	3.5	4
QTY OF CATS	3	6	9	14	24	38	55	75	98

REVISION:

NO.	DATE	

DWG TITLE	FIRST FLOOR PLAN NEW / MODIFIED ITEMS ENLARGE #1
DWG/REV NO.	IT-211

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FIRST FLOOR PLAN: NEW/MODIFED ITEM LOCATIONS - ENLARGE #3

CLIENT / PROJECT:

NOTES:

NOTE TO GC/ELECTRICIAN:

- FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONSFOLLOW THE SIZE OF CONDUIT PER DATA OUTLET LOCATIONS

EMT SIZE CHART

NO. OF CABLES AT 40% CONDUIT FILL BASED ON TRADE SIZE OF THE CONDUIT (INCHES)

EMT SIZE	0.75	1.0	1.25	1.5	2	2.5	3	3.5	4
QTY OF CAT6	3	6	9	14	24	38	55	75	98

REVISION:

NO.	DATE	

DWG TITLE	FIRST FLOOR PLAN NEW / MODIFIED ITEMS ENLARGE #1
DWG/REV NO.	IT-213

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FIRST FLOOR PLAN: NEW/MODIFED ITEM LOCATIONS - ENLARGE #4

CLIENT / PROJECT:

NOTES:

NOTE TO GC/ELECTRICIAN:

- FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONSFOLLOW THE SIZE OF CONDUIT PER DATA OUTLET LOCATIONS

EMT SIZE CHART

NO. OF CABLES AT 40% CONDUIT FILL BASED ON TRADE SIZE OF THE CONDUIT (INCHES)

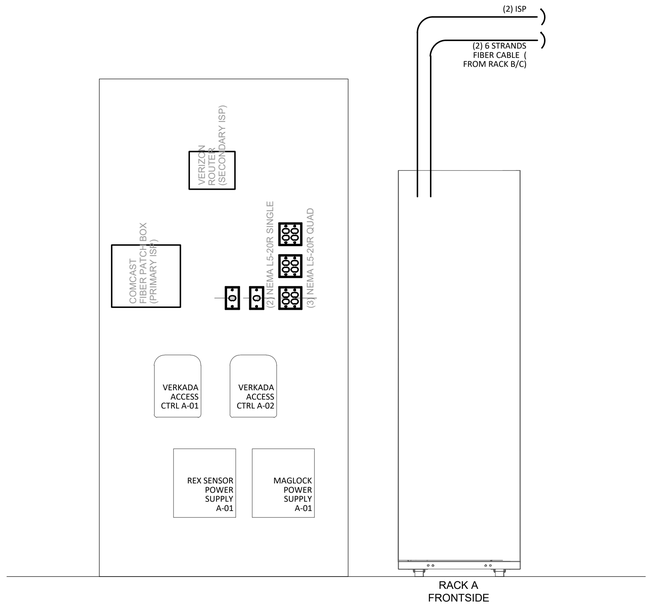
EMT SIZE	0.75	1.0	1.25	1.5	2	2.5	3	3.5	4
QTY OF CAT6	3	6	9	14	24	38	55	75	98

REVISION:

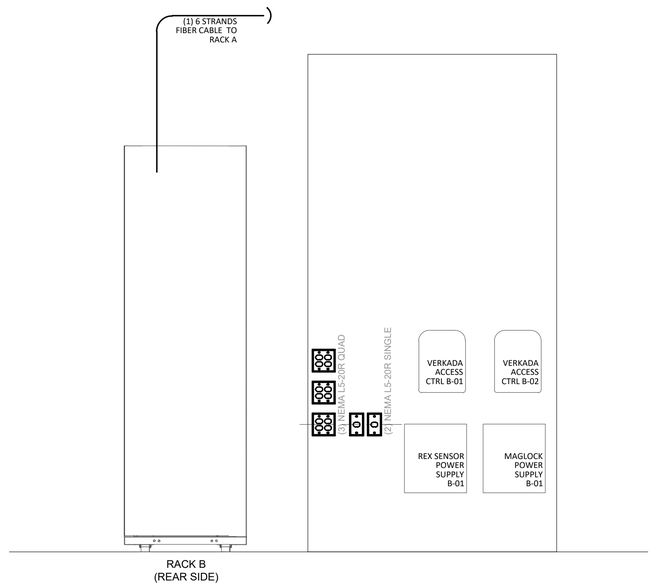
NO.	DATE	

DWG TITLE	FIRST FLOOR PLAN NEW / MODIFIED ITEMS ENLARGE #1
DWG/REV NO.	IT-214

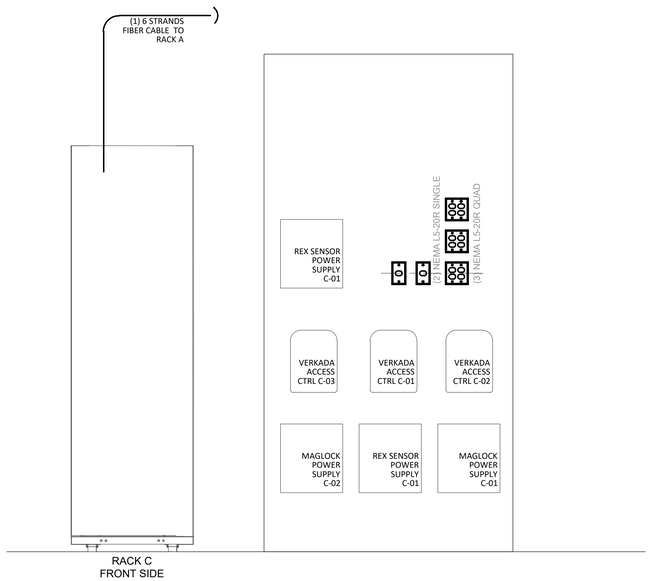
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WEB: WWW.LERNERSOLUTIONS.COM
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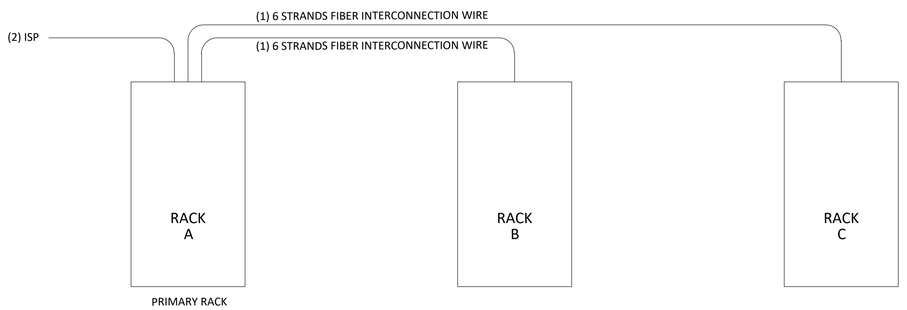
RACK - A 01



RACK - B 02



RACK - C 03



ISP/INTERCONNECTION DIAGRAM 04

CLIENT / PROJECT:

NOTES:

NOTE TO GC/ELECTRICIAN:

- FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONSFOLLOW THE SIZE OF CONDUIT PER DATA OUTLET LOCATIONS

EMT SIZE CHART

NO. OF CABLES AT 40% CONDUIT FILL BASED ON TRADE SIZE OF THE CONDUIT (INCHES)

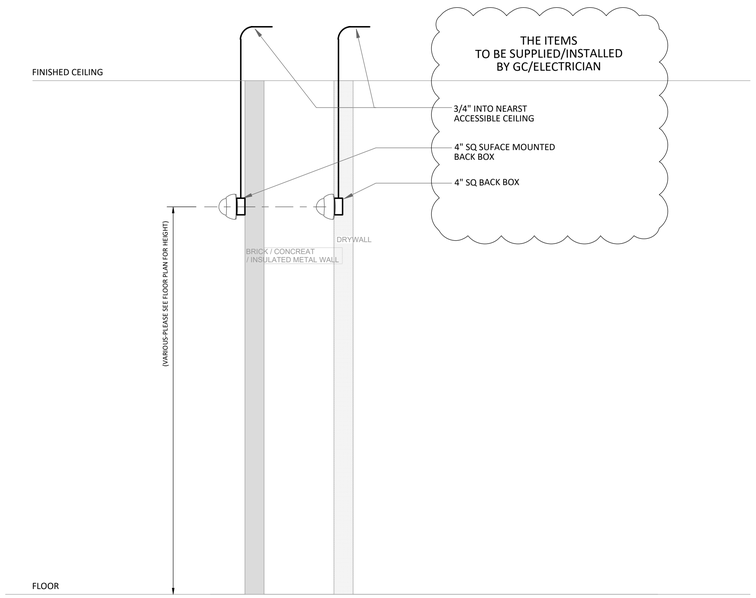
EMT SIZE	0.75	1.0	1.25	1.5	2	2.5	3	3.5	4
QTY OF CAT6	3	6	9	14	24	38	55	75	98

REVISION:

NO.	DATE	

DWG TITLE	RACK - A, B AND C ELEVATIONS
DWG/REV NO.	IT-301

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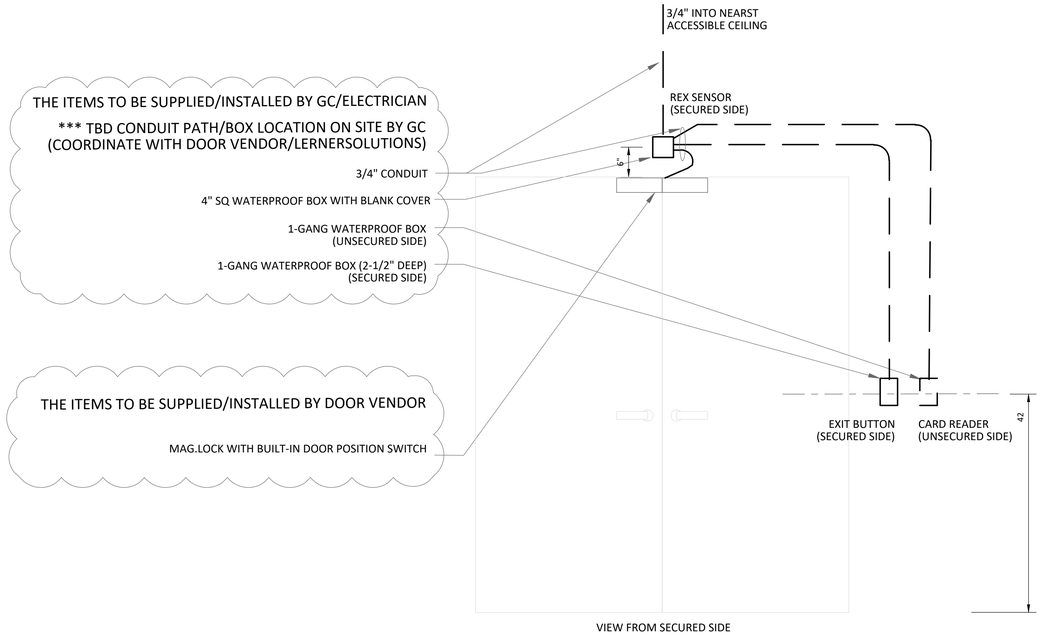


WALL MOUNTED CAMERA ELEVATION 01

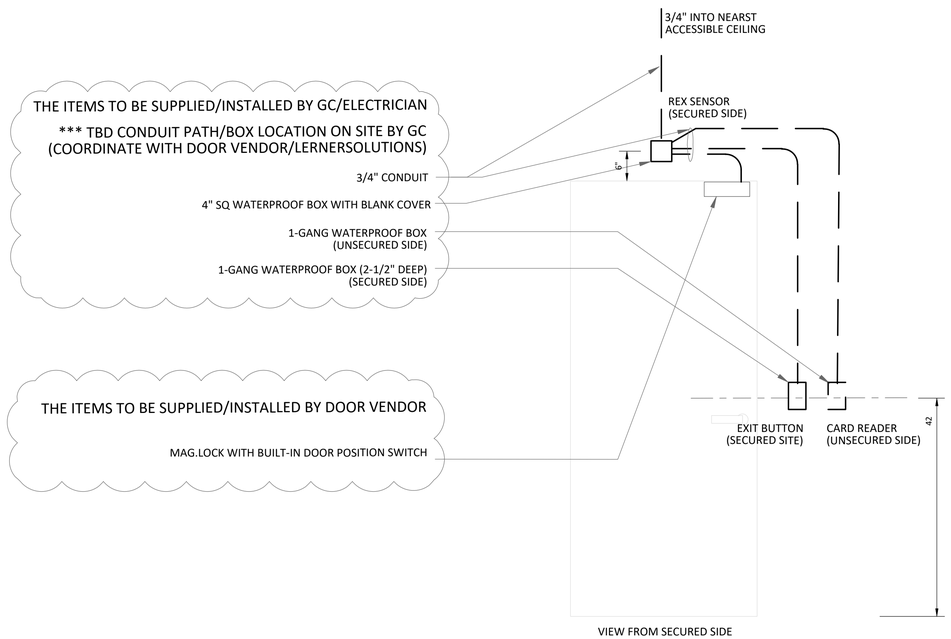
* REQUEST TO EXIT BUTTON/CARD READER LOCATION MUST BE DETERMINED BY GC/CUSTOMER

* TBD CONDUIT PATH AMD BOX LOCATION BY GC

* MAGLOCK INSATLLATION BY DOOR VENDOR



DOUBLE DOOR WITH MAG.LOCK 02



SINGLE DOOR WITH MAG.LOCK 03

CLIENT / PROJECT:

NOTES:

NOTE TO GC/ELECTRICIAN:

- FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONSFOLLOW THE SIZE OF CONDUIT PER DATA OUTLET LOCATIONS

EMT SIZE CHART

NO. OF CABLES AT 40% CONDUIT FILL BASED ON TRADE SIZE OF THE CONDUIT (INCHES)

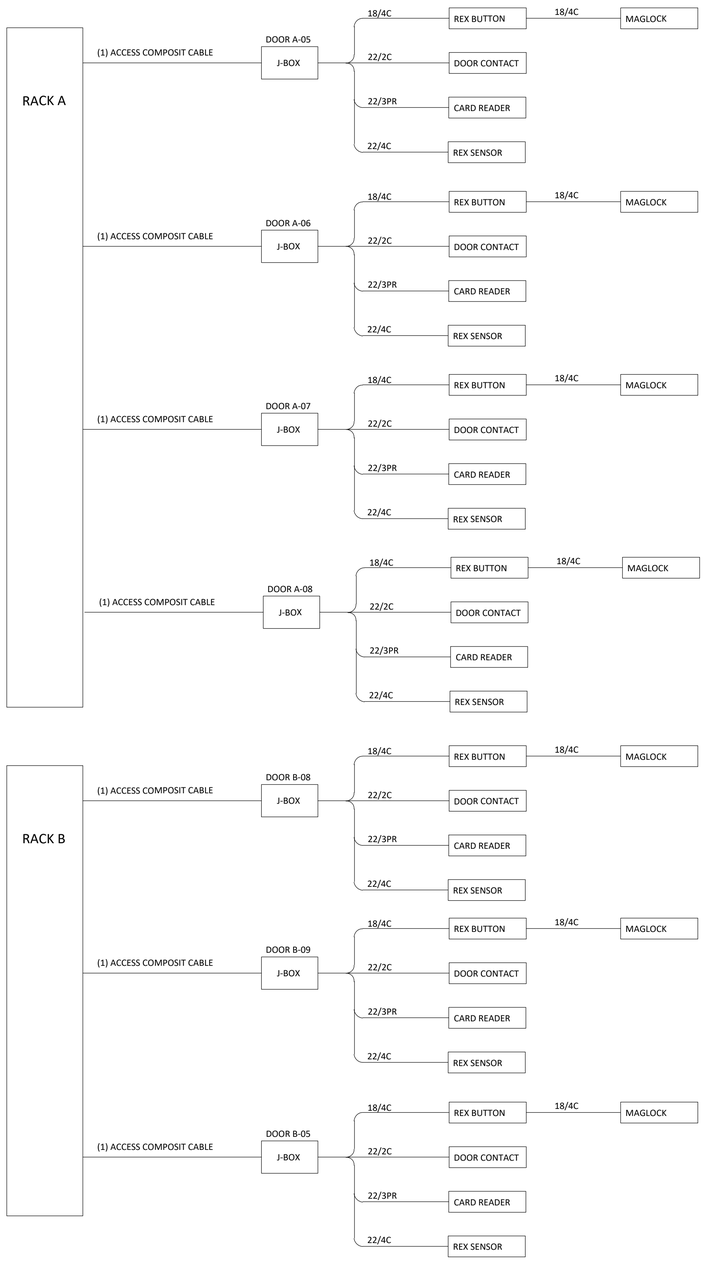
EMT SIZE	0.75	1.0	1.25	1.5	2	2.5	3	3.5	4
QTY OF CAT6	3	6	9	14	24	38	55	75	98

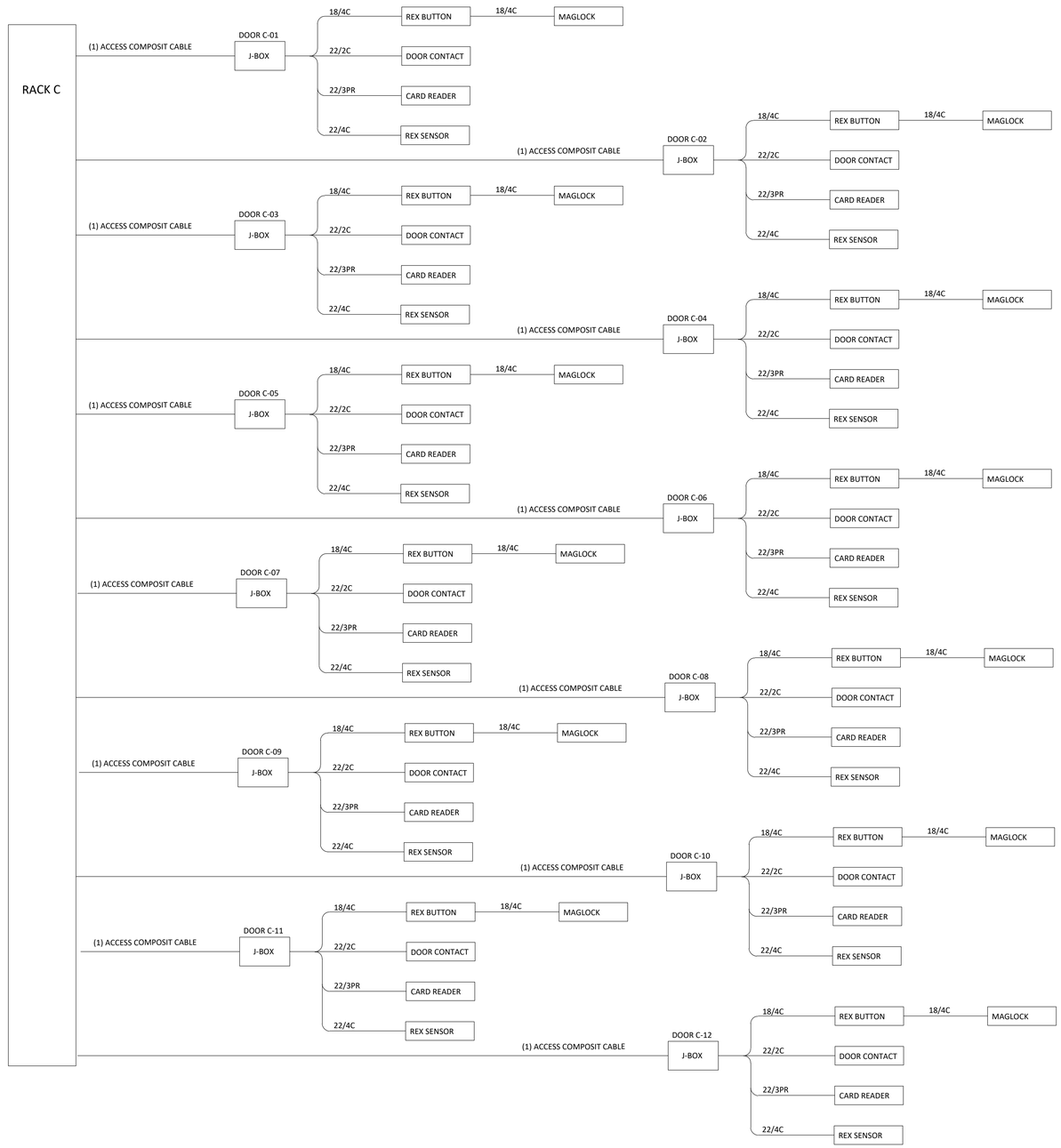
REVISION:

NO.	DATE	

DWG TITLE	DEVICE ELEVATION FOR INFRASTRUCTURE
DWG/REV NO.	IT-302

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ACCESS COMPOSIT RISER DIAGRAM 01

CLIENT / PROJECT:

NOTES:

NOTE TO GC/ELECTRICIAN:

- FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONSFOLLOW THE SIZE OF CONDUIT PER DATA OUTLET LOCATIONS

EMT SIZE CHART

NO. OF CABLES AT 40% CONDUIT FILL BASED ON TRADE SIZE OF THE CONDUIT (INCHES)

EMT SIZE	0.75	1.0	1.25	1.5	2	2.5	3	3.5	4
QTY OF CATE	3	6	9	14	24	38	55	75	98

REVISION:

NO.	DATE	

DWG TITLE	ACCESS RISER DIAGRAM
DWG/REV NO.	IT-311

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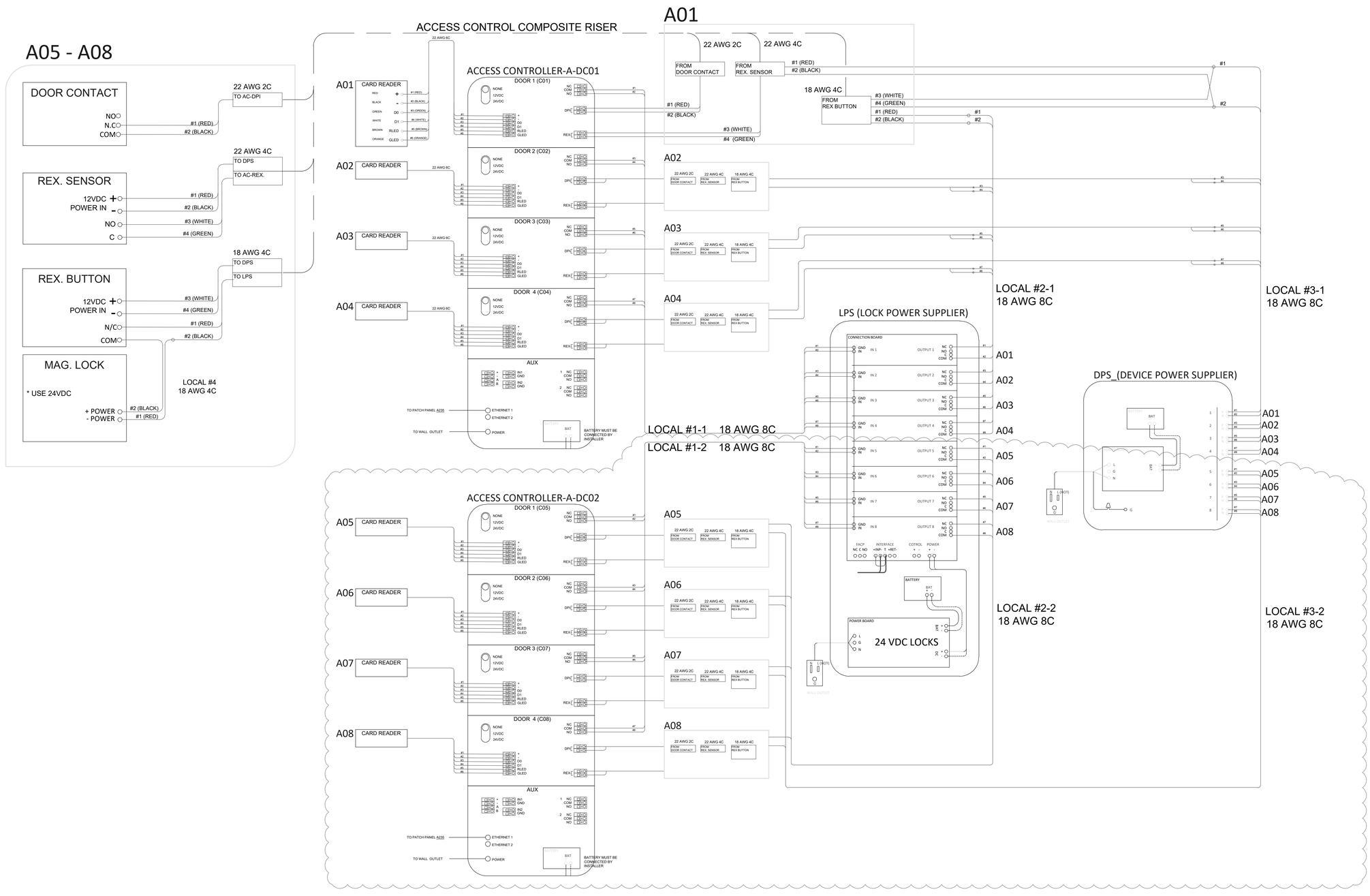


DIAGRAM-RACK A 01

CLIENT / PROJECT:

NOTES:

NOTE TO GC/ELECTRICIAN:

- FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONSFOLLOW THE SIZE OF CONDUIT PER DATA OUTLET LOCATIONS

EMT SIZE CHART

NO. OF CABLES AT 40% CONDUIT FILL BASED ON TRADE SIZE OF THE CONDUIT (INCHES):

EMT SIZE	0.75	1.0	1.25	1.5	2	2.5	3	3.5	4
QTY OF CATE	3	6	9	14	24	38	55	75	98

REVISION:

NO.	DATE	

DWG TITLE	RACK DIAGRAM
DWG/REV NO.	IT-312

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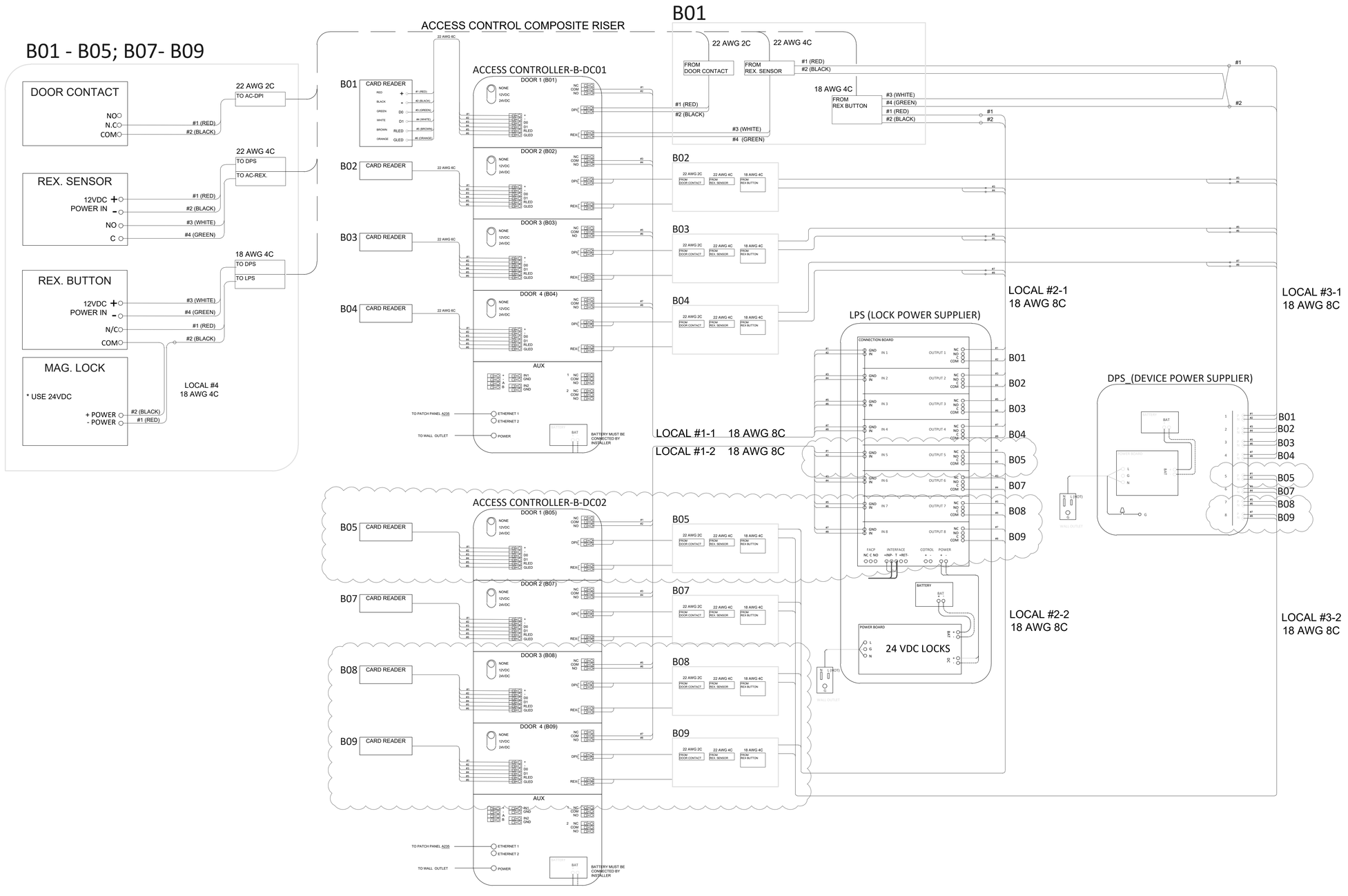


DIAGRAM- RACK B 01

CLIENT / PROJECT:

NOTES:

NOTE TO GC/ELECTRICIAN:

- FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONSFOLLOW THE SIZE OF CONDUIT PER DATA OUTLET LOCATIONS

EMT SIZE CHART

NO. OF CABLES AT 40% CONDUIT FILL BASED ON TRADE SIZE OF THE CONDUIT (INCHES)

EMT SIZE	0.75	1.0	1.25	1.5	2	2.5	3	3.5	4
QTY OF CATE	3	6	9	14	24	38	55	75	98

REVISION:

NO.	DATE	

DWG TITLE	RACK DIAGRAM
DWG/REV NO.	IT-313

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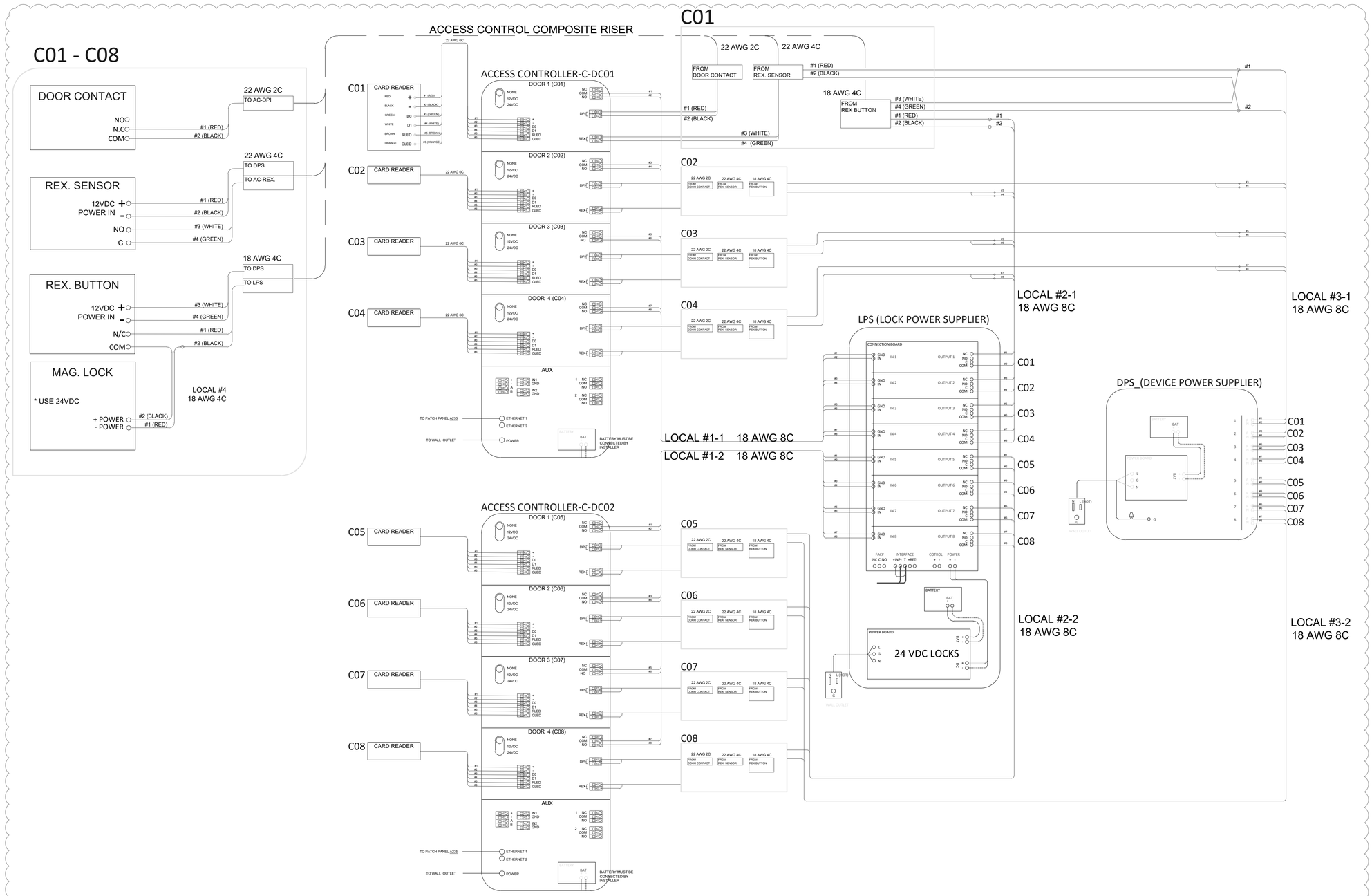


DIAGRAM- RACK C #1 01

CLIENT / PROJECT:

NOTES:

NOTE TO GC/ELECTRICIAN:

- FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONSFOLLOW THE SIZE OF CONDUIT PER DATA OUTLET LOCATIONS

EMT SIZE CHART

NO. OF CABLES AT 40% CONDUIT FILL BASED ON TRADE SIZE OF THE CONDUIT (INCHES)

EMT SIZE	0.75	1.0	1.25	1.5	2	2.5	3	3.5	4
QTY OF CATE	3	6	9	14	24	38	55	75	98

REVISION:

NO.	DATE	

DWG TITLE	RACK DIAGRAM
DWG/REV NO.	IT-314

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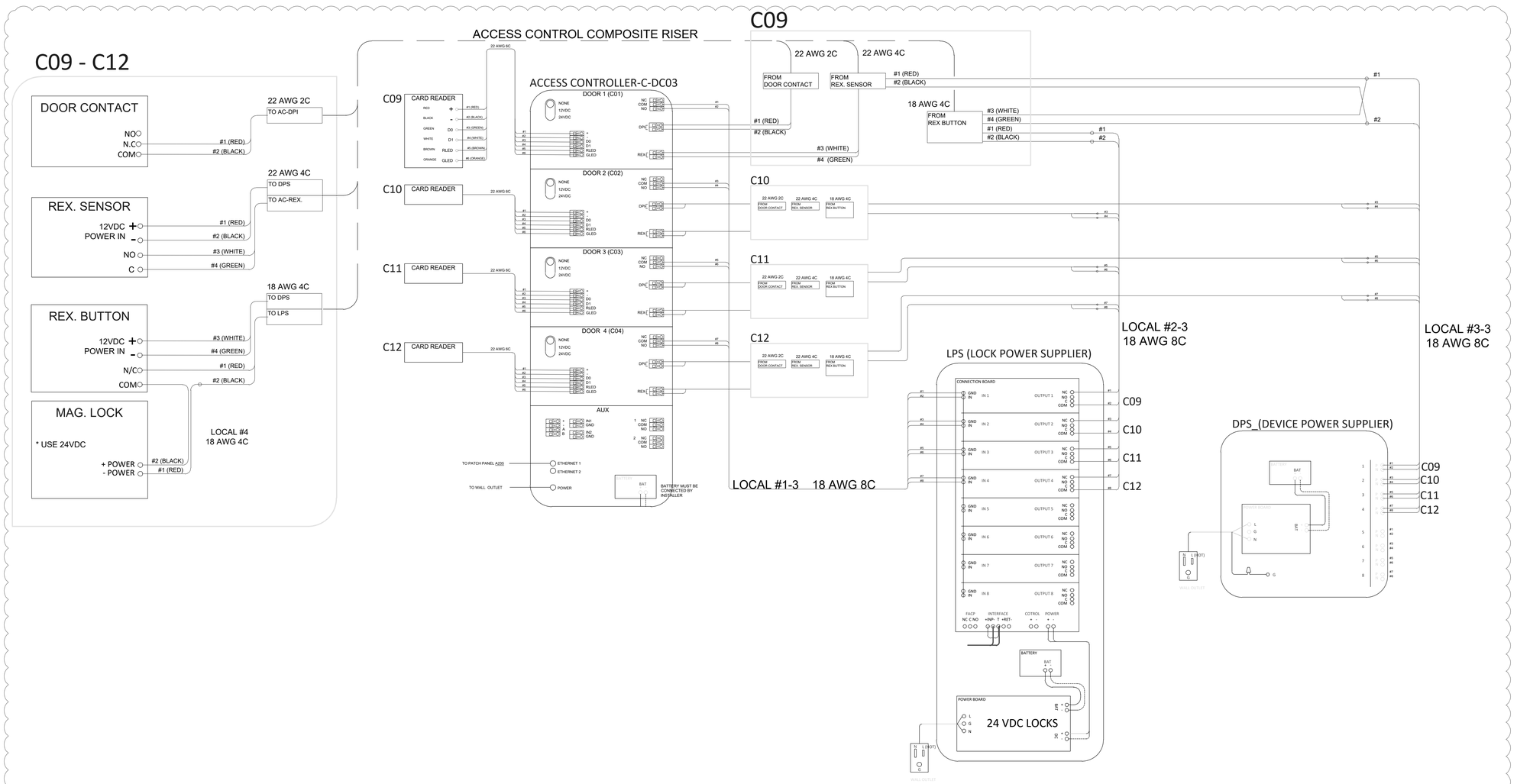


DIAGRAM- RACK C #2 01

CLIENT / PROJECT:

NOTES:

NOTE TO GC/ELECTRICIAN:

- FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONSFOLLOW THE SIZE OF CONDUIT PER DATA OUTLET LOCATIONS

EMT SIZE CHART

NO. OF CABLES AT 40% CONDUIT FILL BASED ON TRADE SIZE OF THE CONDUIT (INCHES)

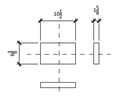
EMT SIZE	0.75	1.0	1.25	1.5	2	2.5	3	3.5	4
QTY OF CATE	3	6	9	14	24	38	55	75	98

REVISION:

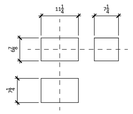
NO.	DATE	

DWG TITLE	RACK DIAGRAM
DWG/REV NO.	IT-315

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MERAKI MR 56



MERAKI MR 86



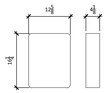
VERKADA (CD41)



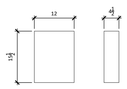
VERKADA (CD51-E)



VERKADA (ARM BRACKET)



VERKADA CONTROLLER



POWER SUPPLY



HID MULTI CLASS READER

DEVICE DIMENSIONS 01

Category	Product Name	Manufacturer / Model No.
CAMERA	Indoor	Verkada / CD41
CAMERA	Outdoor	Verkada / CD51-E
DOOR	Verkada CTRL	AC41-HW
DOOR	Verkada CTRL Battery	ACC-BAT-4AH
DOOR	HID READER	HID MULTICLASS SE RP40 / 920PMNNEKMA003
DOOR	Rex Sensor	Rokonet Risco / IrexPlus Request to Exit PIR Motion
DOOR	Rex button	Essex Elec. / PEBSS2US
DOOR	Power supply for Lock	Altronix / AX-600ULACMB
DOOR	Power supply for 12VDC	Altronix / AL1012ULXPD8CB
DOOR	Battery	Altronix / BT1212
DOOR	ACCESS CONTROL RISER WIRE	BELDEN 658AFS 0001000
DOOR	ACCESS CONTROL RISER WIRE	Genesis 18/6 Shielded 1000FT RI Gray

BOM 02

CLIENT / PROJECT:

NOTES:

NOTE TO GC/ELECTRICIAN:

- FOLLOW THE CONDUIT SIZE GUIDE PER DATA LOCATIONSFOLLOW THE SIZE OF CONDUIT PER DATA OUTLET LOCATIONS

EMT SIZE CHART

NO. OF CABLES AT 40% CONDUIT FILL BASED ON TRADE SIZE OF THE CONDUIT (INCHES)

EMT SIZE	0.75	1.0	1.25	1.5	2	2.5	3	3.5	4
QTY OF CAT6	3	6	9	14	24	38	55	75	98

REVISION:

NO.	DATE	

DWG TITLE	DEVICE DIMENSIONS AND BOM
DWG/REV NO.	IT-321

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