



FAYETTEVILLE PUBLIC WORKS COMMISSION

PROCUREMENT DEPARTMENT

<https://www.faypwc.com/bids/>

Bid Addendum

PWC Number: PWC2425046

Bid Title: Video Wall Upgrade and Operator Console Replacement

Bid Opening Date and Time: Tuesday, December 17, 2024, 4:00 PM

Addendum Number: 1

Addendum Date: Thursday, December 12, 2024

Procurement Advisor: JoAnn Bowman

procurement@faypwc.com

1. Return one properly executed copy of this addendum with bid response or prior to the Bid Opening Date/Time listed above.
2. The solicitation is hereby modified as follows:

M1. ATTACHMENT J: FLOOR PLANS AND SCHEMATICS

The Bid has been modified to include floor plans and schematics, of the current Video Wall, Control Room.

3. Following are questions received about the solicitation and the SME's answers to the questions.

Q1.	Please confirm that the signal requirement from the Video Wall processor to this display must be a 4K resolution.
A1.	Yes, where possible.
Q2.	Please confirm that PWC will self-perform the building wall reinforcement and power requirements necessary for the display array selected.
A2.	Yes, PWC will reinforce the wall and power, however, the vendor is required to submit the requirements for this to PWC.
Q3.	Please confirm that the selected company will provide the old displays to Fayetteville PWC for final disposition.
A3.	Confirmed. The selected company will provide the old displays to Fayetteville PWC for final disposition.
Q4.	During the site survey it was identified that for the purposes of security, maintenance, and cooling; PWC desires to locate the video wall processor in the Data Center approx. 500 ft away from the Control center.
A4.	Yes, the video wall processor should be in the Data Center, approximately 500 feet away from the Control Center, to meet Fayetteville PWC's requirements for security, maintenance, and cooling.
Q5.	Please confirm that PWC will self-perform the Fiber interconnect between Data Center and Control Room.

A5.	Confirmed. The vendor is required to provide PWC the fiber requirements needed; the vendor will terminate fiber connection in the comms closet near the OPS center to the switch to distribute to the OPS center.
Q6.	Please confirm that the data wall software should be installed on the Virtual Machine.
A6.	Confirmed. The vendor will need to give VM spec requirements.
Q7.	Is Prevailing Wage required?
A7.	No, this bid is not subject to the Davis -Bacon Act nor is this federally funded.
Q8.	Can PWC provide Floor Plans, Schematics, and Pictures of the current Video Wall, Control Room, supporting equipment, and associated current and new (if applicable) office spaces?
A8.	Yes, the solicitation has been modified to include these drawings. Reference M1 of this addendum.
Q9.	Can you provide information about the type(s) of the PWC data that will be processed, managed, viewed, and stored? What are the access control requirements for this data?
A9.	There are essentially four (4) different sources for each console that will be displayed. There is an electric SCADA, OMS, tv cable (over IP), corp computer, and security cameras. There are two (2) of every source at each console minus the security cam feed and tv cable, there is only one (1) source for each of those.
Q10.	Can you provide information about the PWC's data backup, disaster recovery, and business continuity requirements for on-premise and cloud- based storage for this project?
A10.	All servers are backed up and encrypted, none of the sources can be sent to cloud services. All must be processed and maintained on prem. There is no outside internet access to the sources.
Q11.	Can you provide information about the PWC's incident response requirements for this project?
A11.	Depending on the incident severity 1-2 hours response time would be needed for high priority incidents.
Q12.	Can you provide information about the PWC's data compliance requirements with respect to PII, PCI, Sensitive Business Data or other regulatory compliance requirements?
A12.	Must comply with all industry standards, however, all those standards are already being handled on the sources themselves. The video system is just used as another display so no data should be stored on the system.
Q13.	Please verify location of 8'-10 5/8" ceiling height. Is this the main ceiling height or the height of the bulkhead to floor? Verify height from finished floor to bulkhead.
A13.	Yes, the raised floor to the bulkhead is 8'10".
Q14.	Will task lights be controlled by switch on the fixture, or will control panel include light control?
A14.	Task lights can be just a button on the desk. This is where they are currently located. They will not be controlled via the room switches on the wall.
Q15.	Will PWC supply a reinforced plywood mounting surface for the display wall that is plum and level with a tolerance within ¼" over a 10' span.
A15.	The Vendor will need to supply the requirements for mounting to PWC and PWC will supply and install the plywood.
Q16.	Currently there are three (3) vents located in the ceiling above the display wall. Are these exhaust vents or forced air cooling vents?

A16. The three (3) vents are the air return plenum not air supply.

Failure to acknowledge receipt of this addendum may result in rejection of the response.

Check ONE of the following options:

- Bid has not been mailed. Any changes resulting from this addendum are included in our bid response.
- Bid has been mailed. No changes resulted from this addendum.
- Bid has been mailed. Changes resulting from this addendum are as follows:

Execute Addendum:

Offeror: _____

Authorized Signature: _____

Name and Titled (Typed): _____

Date: _____

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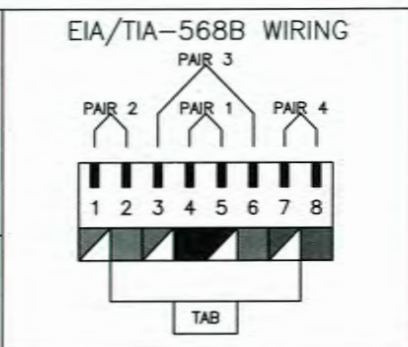
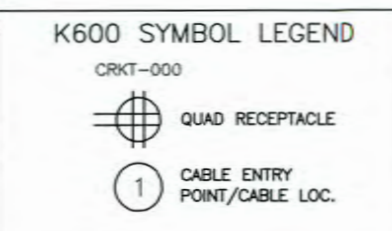
- 1 **MAIN A/V RACK**
-CAT6 x2 FROM FWC CORP NETWORK
-LEAVE 15' EXTRA WHIP OF ALL CABLES AFF AT REAR OF A/V RACK LOC.
- 2 **SUP. OFFICE 7" TOUCH PANEL (TSC-001)**
-CAT6 x1 (CAT021) FROM MAIN A/V RACK
-MOUNT BOTTOM OF PANEL @ 48" AFF & WITHIN 2' OF DOOR FRAME
- 3 **SCADA OFFICE 7" TOUCH PANEL (TSC-002)**
-CAT6 x1 (CAT023) FROM MAIN A/V RACK
-MOUNT BOTTOM OF PANEL @ 48" AFF & WITHIN 2' OF DOOR FRAME
- 4 **OPERATOR'S 7" TOUCH PANEL (TSC-003)**
-CAT6 x1 (CAT025) FROM MAIN A/V RACK
-LEAVE 15' EXTRA WHIP INSIDE CONSOLE BASE AFF
- 5 **CONSOLE #1**
- 6 **CONSOLE #2**

- 7 **MAIN VIDEO WALL/A/V RACK #2 (BELOW VIDEO WALL COL. #3)**
-CAT6A x10 (CAT001, 004-010, + x2 SPARES) FROM MAIN A/V RACK
-CAT6 x10 (CAT011-016, 022, 024 + x2 SPARES) FROM MAIN A/V RACK
-HDMI x3 (HDO01-003) FROM CONSOLE #1
-HDMI x3 (HDO04-006) FROM CONSOLE #2
-18/4 MC AUDIO CABLE x2 (MC002, 004) FROM CONSOLE #1
-18/4 MC AUDIO CABLE x2 (MC006, 008) FROM CONSOLE #2
-LEAVE 6' EXTRA WHIP COILED AFF
- 8 **CONTROL RM. IN-CEILING SPEAKERS (SPK-001 THRU 006)**
-14/2 MC AUDIO CABLE x2 (MC014, 015) FROM MAIN A/V RACK
-LEAVE 15' EXTRA WHIP ABOVE DROP CEILING FROM C OF RM.
- 9 **SUP. OFFICE IN-CEILING SPEAKER (SPK-007)**
-14/2 MC AUDIO CABLE x1 (MC016) FROM MAIN A/V RACK
-LEAVE 6' EXTRA WHIP ABOVE DROP CEILING FROM C OF RM.

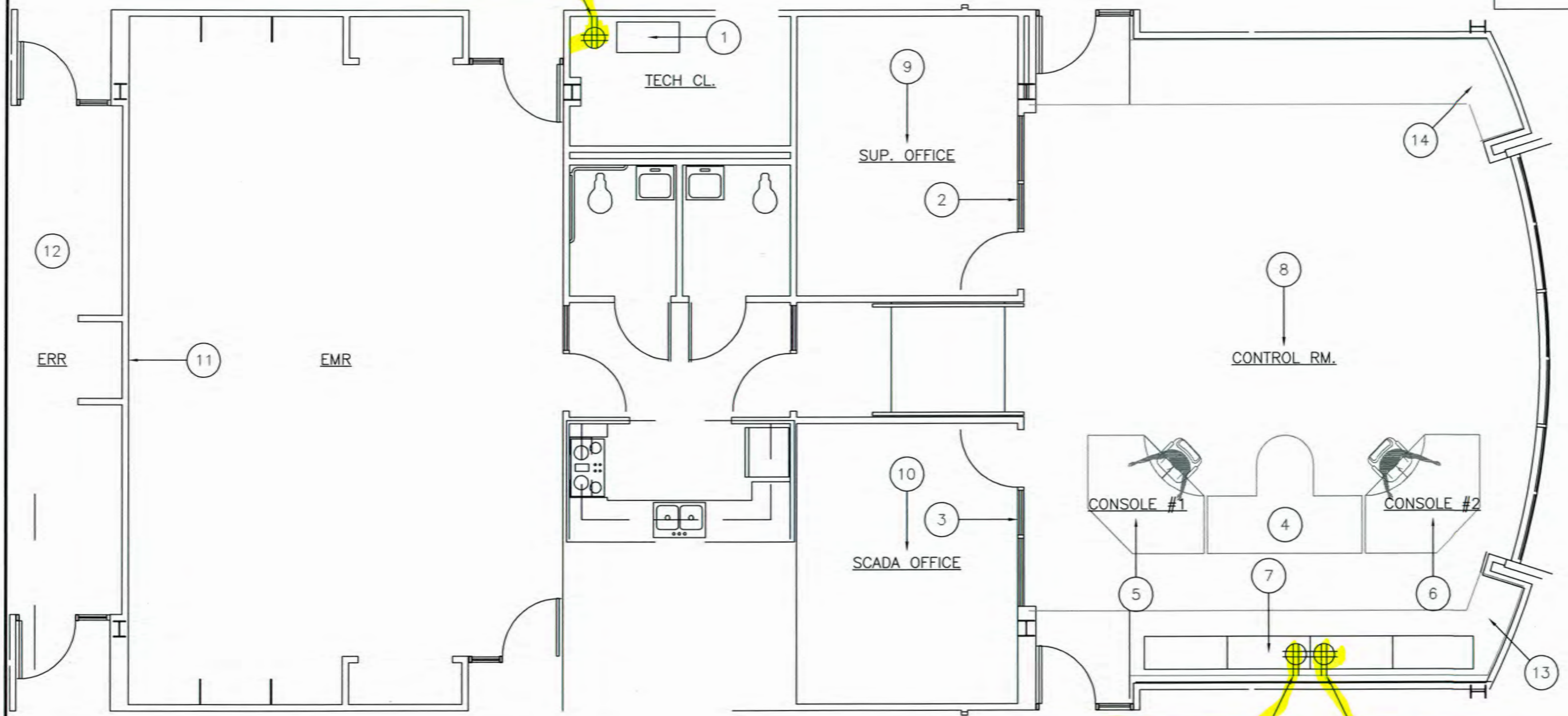
- 10 **SCADA OFFICE IN-CEILING SPEAKER (SPK-008)**
-14/2 MC AUDIO CABLE x1 (MC017) FROM MAIN A/V RACK
-LEAVE 6' EXTRA WHIP ABOVE DROP CEILING FROM C OF RM.
- 11 **E.M.R./FLAT PANEL**
-CAT6 x1 (CAT026) FROM MAIN A/V RACK
-LEAVE 4' WHIP COILED BEHIND MOUNTED FLAT PANEL
- 12 **E.R.R./FLAT PANEL**
-CAT6 x1 (CAT027) FROM MAIN A/V RACK
-LEAVE 4' WHIP COILED BEHIND MOUNTED FLAT PANEL
- 13 **WEATHER PC/FLAT PANEL**
-CAT6 x1 (CAT017) FROM MAIN A/V RACK
-RUN CABLE DOWN POLE TO REAR OF MOUNTED FLAT PANEL, LEAVING 4' COILED WHIP
- 14 **CABLE STB/FLAT PANEL**
-CAT6 x1 (CAT018) FROM MAIN A/V RACK
-RUN CABLE DOWN POLE TO REAR OF MOUNTED FLAT PANEL, LEAVING 4' COILED WHIP

NOTES

- ALL DATA CABLING SHALL BE CAT6 UTP
- ALL CAT6A CABLING SHALL BE KRAMER BC-DGKAT524 OR SIMILAR 4-PAIR F/UTP OR U/FTP WITH A GROUND/SINK WIRE SOLDERED TO SHIELDED RJ45 CONNECTORS
- ALL CAT6A CABLING SHALL BE TERMINATED WITH SHIELDED RJ45 CONNECTORS
- NO IN-LINE COUPLERS SHALL BE USED WITH THE CAT6A CABLING
- ALL DATA TERMINATIONS SHALL FOLLOW EIA/TIA-568B WIRING STANDARDS
- ALL 14/2 MC SPEAKER WIRE RUNNING IN THE CEILING SHALL BE BELDEN 6100UE OR SIMILAR 14/2 PLENUM SPEAKER WIRE
- CAT6 & CAT6A CABLES & TERMINATIONS DO NOT NEED TO BE CERTIFIED
- ALL CAT6 & CAT6A CABLES LISTED ON THIS SHEET TO BE RAN BY FAYETTEVILLE PWC & TERMINATED BY MC
- ALL OTHER CABLE TYPES LISTED ON THIS SHEET TO BE RAN & TERMINATED BY MC



CRKT #1 110V/20A
QUAD NEMA 2-20R



CRKT #2 110V/20A
WHIP - QUAD NEMA 2-20R

CRKT #3 110V/20A
WHIP - QUAD NEMA 2-20R

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www.mauell.us
31 Old Cabin Hollow Rd.
Dillsburg, PA 17019
717-432-8686

JOB NO 4650-001
SCALE NONE
ENGINEER MSF
DRAWN BY MSF
DATE 3/27/18
CHECKED BY MSF
DATE
SHEET NO 2 OF 14

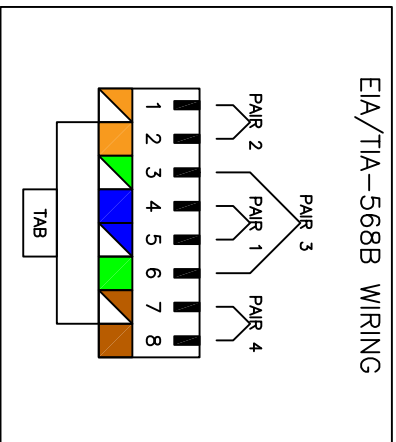
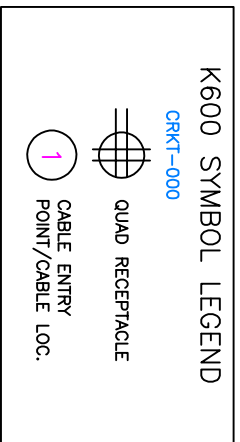
LOCATION
INSTALLATION
PLAN VIEW
REV. 1

DWG NO K601

K600 WIRING LEGEND

- 14/2_000— 14/2 SPEAKER WIRE
- 14/2_000 (CMP)— 14/2 SPEAKER WIRE PLENUM
- 18/3_000— 18/3 SPEAKER WIRE
- 3.5mm-000— 3.5mm AUDIO (T/R/S)
- CAT6— CAT6
- CAT1000 (CMP)— CAT6 PLENUM
- DB9000— DB9
- DP000— DISPLAYPORT
- DV000— DVI
- HD000— HDMI
- HDDV000— HDMI / DVI
- MC000— MULTI-CONDUCT AUDIO
- PW000— POWER

WIRE TYPE —
 WIRE NUMBER —



FILENAME	FILEDATE	SH	DWGDESC
4650-001 FAYETTEVILLE PWC DWG INDEX	5/31/2018	1	DWG INDEX
4650-001 FAYETTEVILLE PWC PLAN VIEW	5/31/2018	2	PLAN VIEW
4650-001 FAYETTEVILLE PWC RACK ELEV	5/31/2018	3	RACK ELEV.
4650-001 FAYETTEVILLE PWC RACK ELEV 2	5/31/2018	4	RACK ELEV. 2
4650-001 FAYETTEVILLE PWC VIDEO WALL	5/31/2018	5	VIDEO WALL
4650-001 FAYETTEVILLE PWC VID WALL CONTROLLER	5/31/2018	6	VID. WALL. CNTRL.
4650-001 FAYETTEVILLE PWC CONSOLE 1 SOURCES	5/31/2018	7	CONSOLE 1
4650-001 FAYETTEVILLE PWC CONSOLE 2 SOURCES	5/31/2018	8	CONSOLE 2
4650-001 FAYETTEVILLE PWC EXTERNAL SOURCES	5/31/2018	9	EXTERNAL SOURCES
4650-001 FAYETTEVILLE PWC AUDIO SYSTEM	5/31/2018	10	AUDIO SYSTEM
4650-001 FAYETTEVILLE PWC EMR & ERR	5/29/2018	11	EMR & ERR
4650-001 FAYETTEVILLE PWC NETWORK	5/29/2018	12	NETWORK
4650-001 FAYETTEVILLE PWC POWER DISTRIBUTION	5/31/2018	13	POWER DISTRIBUTION
4650-001 FAYETTEVILLE PWC SPEAKER PLACEMENT	5/31/2018	14	SPEAKER PLACEMENT

NOTES

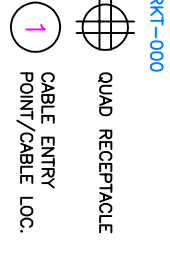
- ALL DATA CABLING SHALL BE CAT6 UTP
- ALL CAT6A CABLING SHALL BE KRAMER BC-DGKAT524 OR SIMILAR 4-PAIR F/UTP OR U/FTP WITH A GROUND/SINK WIRE SOLDERED TO SHIELDED RJ45 CONNECTORS
- ALL CAT6A CABLING SHALL BE TERMINATED WITH SHIELDED RJ45 CONNECTORS
- NO IN-LINE COUPLERS SHALL BE USED WITH THE CAT6A CABLING
- ALL DATA TERMINATIONS SHALL FOLLOW EIA/TIA-568B WIRING STANDARDS
- ALL 14/2 MC SPEAKER WIRE RUNNING IN THE CEILING SHALL BE BELDEN 6100UE OR SIMILAR 14/2 PLENUM SPEAKER WIRE
- CAT6 & CAT6A CABLES & TERMINATIONS DO NOT NEED TO BE CERTIFIED
- ALL CAT6 & CAT6A CABLES LISTED ON THIS SHEET TO BE RAN BY FAYETTEVILLE PWC & TERMINATED BY MC
- ALL OTHER CABLE TYPES LISTED ON THIS SHEET TO BE RAN & TERMINATED BY MC
- "CMP" INDICATES PLENUM RATED CABLE

DWG TYPE	INSTALLATION	LOCATION	JOB NO 4650-001	 www.mauell.us 31 Old Cabin Hollow Rd. Dillsburg, PA 17019 717-432-8686
DWG TITLE	DWG INDEX		SCALE NONE	
DWG NO	K600	REV.	ENGINEER MSF DRAWN BY MSF DATE 3/27/18 CHECKED BY DATE SHEET NO 1 OF 14	

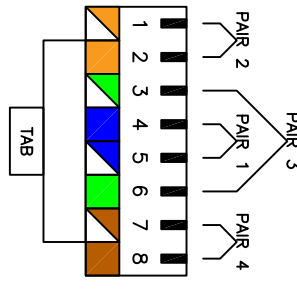
NOTES

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- CAT6 & CAT6A CABLES & TERMINATIONS DO NOT NEED TO BE CERTIFIED
- ALL CAT6 & CAT6A CABLES LISTED ON THIS SHEET TO BE RAN BY MC
- ALL OTHER CABLE TYPES LISTED ON THIS SHEET TO BE RAN & TERMINATED BY MC
- CMT INDICATES PLENUM RATED CABLE
- CABLE PATH IN BLUE TO FOLLOW PWC INSTALLED CABLE LADDER/TRAY FOR ALL CABLES RUNNING EAST OF THE TECH CLOSET INTO THE RAISED FLOOR

K600 SYMBOL LEGEND



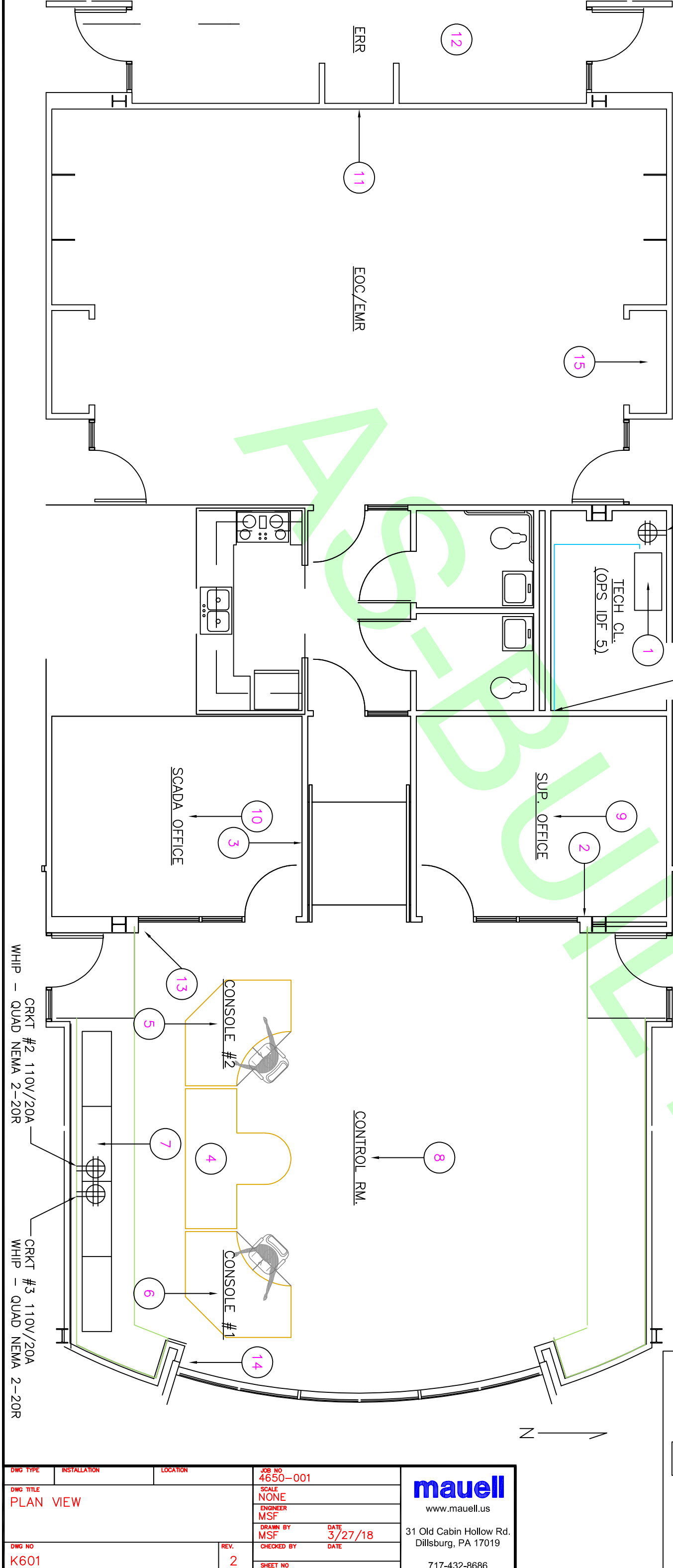
EIA/TIA-568B WIRING



- 10 SCADA OFFICE IN-CEILING SPEAKER (SPK-008)
-14/2 CMP SPEAKER CABLE x1 (14/2-004) FROM MAIN A/V RACK
-LEAVE 6' EXTRA WHIP ABOVE DROP CEILING FROM C OF RM.
- 11 EXISTING EOC/EMR/90" FLAT PANEL (CONNECTED TO EXISTING AMX SYSTEM IN EOC CLOSET)
- 12 EXISTING ERR/70" FLAT PANEL (CONNECTED TO EXISTING AMX SYSTEM IN EOC CLOSET)
- 13 EXISTING WEATHER PC FLAT PANEL (CEILING MOUNTED)
-CONNECTED VIA SBO HDMI FROM WEATHER PC IN CONSOLE #1
- 14 EXISTING CABLE STB/FLAT PANEL (CEILING MOUNTED)
-CAT6 CMP x1 (CAT017) FROM MAIN A/V RACK
-RUN CABLE DOWN POLE TO REAR OF MOUNTED FLAT PANEL, LEAVING 4' COILED WHIP
- 15 EOC CLOSET (X0-002 & X0-003)
-CAT6 CMP x2 (CAT025 & CAT026) FROM MAIN A/V RACK
-CONNECT X0-002 & X0-003 TO AVAILABLE HDMI INPUTS ON EXISTING AMX SYSTEM

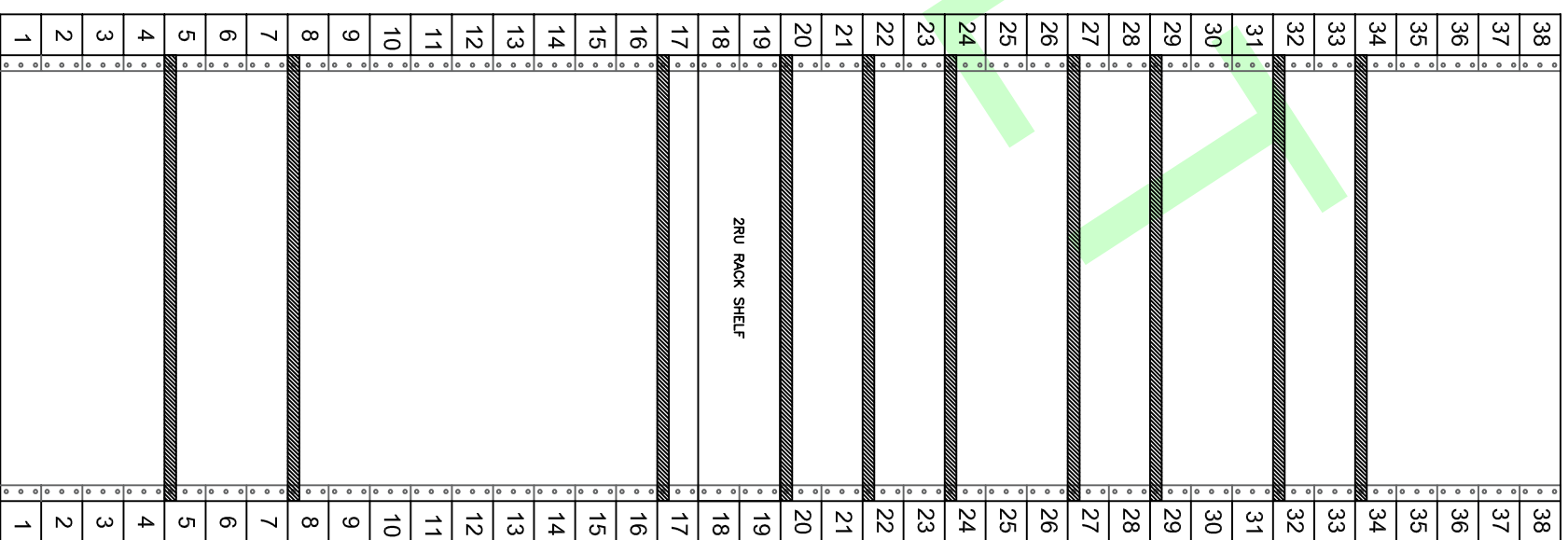
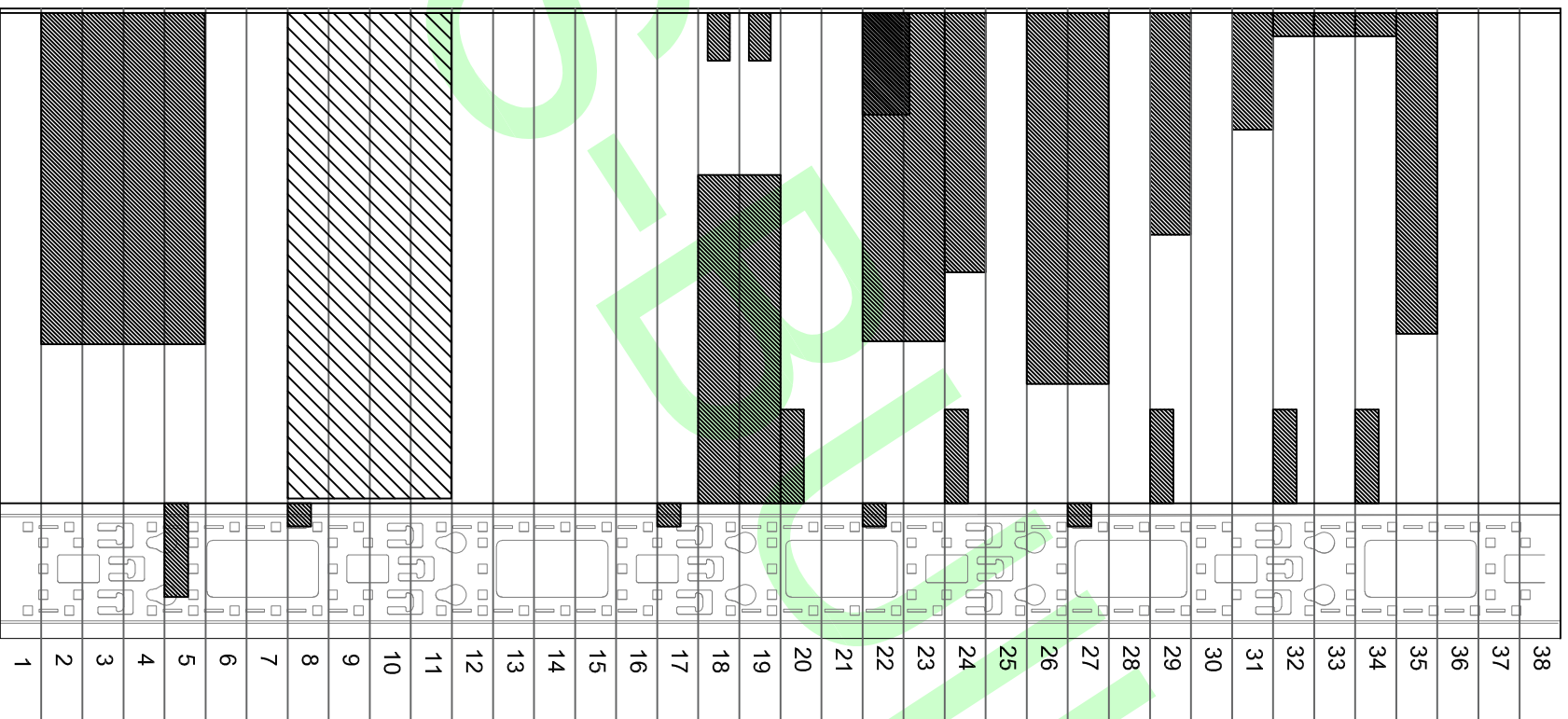
- 7 3" CONDUIT SLEEVE (SBO) - CABLE PATH IN BLUE TO FOLLOW PWC INSTALLED CABLE LADDER/TRAY FOR ALL CABLES EAST OF THE TECH CLOSET
- 8 CRKT #1 110V/20A - QUAD NEMA 2-20R
- 9 SUP. OFFICE
- 10 SCADA OFFICE IN-CEILING SPEAKER (SPK-008)
-14/2 CMP SPEAKER CABLE x1 (14/2-004) FROM MAIN A/V RACK
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- 12 EXISTING ERR/70" FLAT PANEL (CONNECTED TO EXISTING AMX SYSTEM IN EOC CLOSET)
- 13 EXISTING WEATHER PC FLAT PANEL (CEILING MOUNTED)
-CONNECTED VIA SBO HDMI FROM WEATHER PC IN CONSOLE #1
- 14 EXISTING CABLE STB/FLAT PANEL (CEILING MOUNTED)
-CAT6 CMP x1 (CAT017) FROM MAIN A/V RACK
-RUN CABLE DOWN POLE TO REAR OF MOUNTED FLAT PANEL, LEAVING 4' COILED WHIP
- 15 EOC CLOSET (X0-002 & X0-003)
-CAT6 CMP x2 (CAT025 & CAT026) FROM MAIN A/V RACK
-CONNECT X0-002 & X0-003 TO AVAILABLE HDMI INPUTS ON EXISTING AMX SYSTEM


- 1 MAIN A/V RACK
-CAT6 x2 FROM FWC CORP NETWORK
-LEAVE 15' EXTRA WHIP OF ALL CABLES AFF AT REAR OF A/V RACK LOC.
- 2 SUP. OFFICE 7" TOUCH PANEL (TSC-002)
-CAT6 PLENUM x1 (CAT022) FROM MAIN A/V RACK
-MOUNT BOTTOM OF PANEL @ 45° AFF
- 3 SCADA OFFICE 7" TOUCH PANEL (TSC-003)
-CAT6 PLENUM x1 (CAT024) FROM MAIN A/V RACK
-MOUNT BOTTOM OF PANEL @ 45° AFF
- 5 CONSOLE #2 OPERATOR'S 7" TOUCH PANEL (TSC-001)
-CAT6 x2 (CAT021) + SPARE FROM MAIN A/V RACK
-LEAVE 15' EXTRA WHIP INSIDE CONSOLE BASE AFF
- 6 CONSOLE #1 (FOR POSSIBLE FUTURE INSTALL OF 7" TOUCH PANEL)
-CAT6 x2 (CAT027) + SPARE FROM MAIN A/V RACK
-LEAVE 15' EXTRA WHIP INSIDE CONSOLE BASE AFF
-WEATHER PC LOCATION
-ENC-008 LOCATION
-CAT6 CMP x1 (CAT016) FROM MAIN A/V RACK



DWG TYPE	INSTALLATION	LOCATION	JOB NO. 4650-001	<p>www.mauell.us</p> <p>31 Old Cabin Hollow Rd. Dillsburg, PA 17019</p> <p>717-432-8686</p>
DWG TITLE	PLAN VIEW		SCALE NONE	
DWG NO.	K601	REV. 2	ENGINEER MSF	
			DRAWN BY MSF	
			DATE 3/27/18	
			CHECKED BY	
			DATE	
			SHEET NO. 2 OF 14	

38	BLANK PANEL	38
37	BLANK PANEL	37
36	BLANK PANEL	36
35	SW-002 (SBO)	35
34	PATCH-001	34
33	PATCH-002	33
32	PATCH-003	32
31	SW-001	31
30	BLANK PANEL	30
29	AMP-002	29
28	BLANK PANEL	28
27	AMP-001	27
26	BLANK PANEL	26
25	BLANK PANEL	25
24	DSP-001	24
23	2RU RACK SHELF	23
22	XO-001	22
21	BLANK PANEL	21
20	BLANK PANEL	20
19	FX-001	19
18	FX-002	18
17	FX-003	17
16	FX-004	16
15	FX-005	15
14	FX-006	14
13	FX-007	13
12	FX-008	12
11	BLANK PANEL	11
10	BLANK PANEL	10
9	XO-DD-M08	9
8	BLANK PANEL	8
7	BLANK PANEL	7
6	BLANK PANEL	6
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4	4RU RACK DRAWER	4
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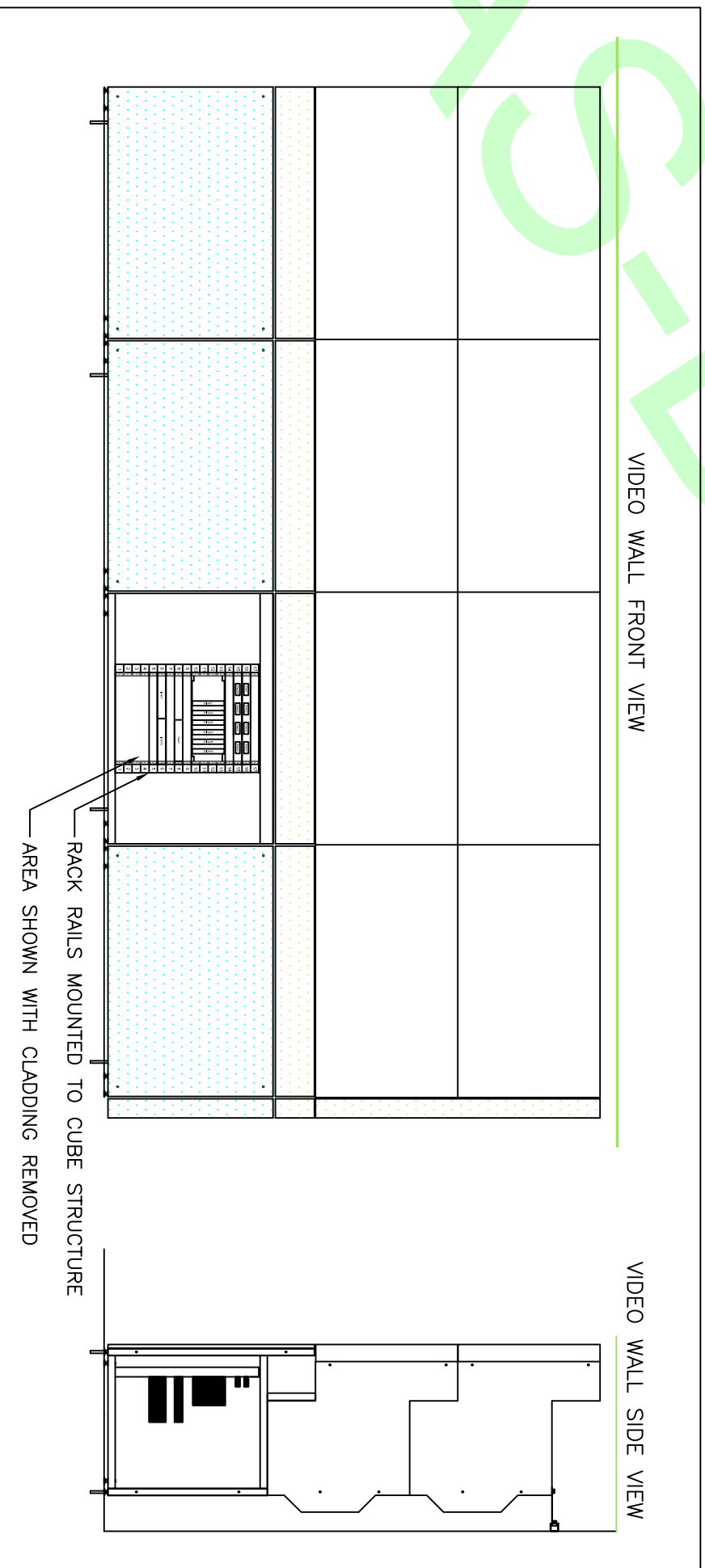
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DWG NO K602	REV. -	ENGINEER MSF	
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		CHECKED BY	DATE 3/27/18
		SHEET NO	DATE
			3 OF 14


17					17			
16	RX-001	RX-002	RX-003	RX-004	16			
15	RX-005	RX-006	RX-007	RX-008	15			
14					14			
13					13			
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9					9			
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6	I/O-001				6			
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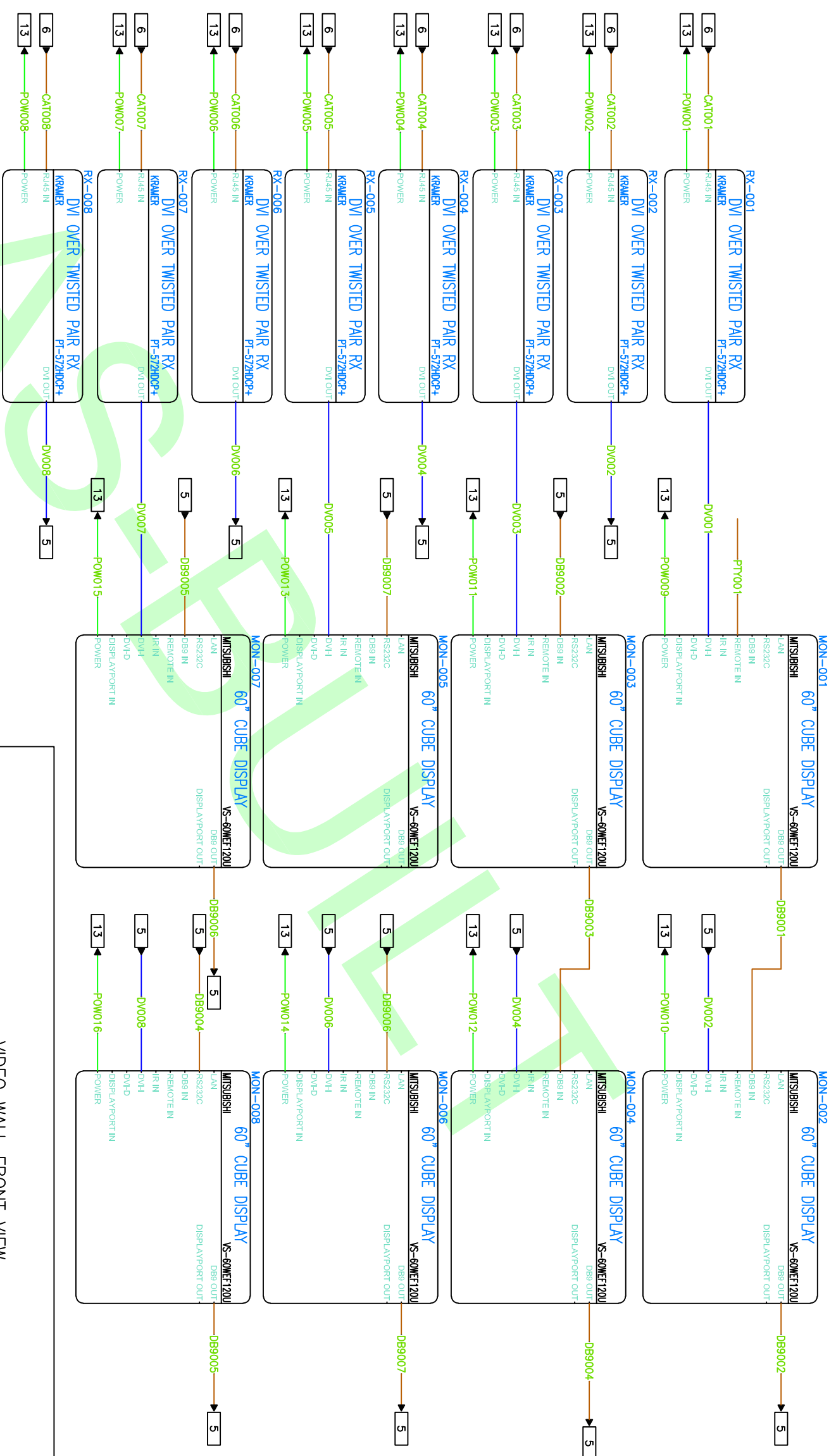
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VIDEO WALL FRONT VIEW

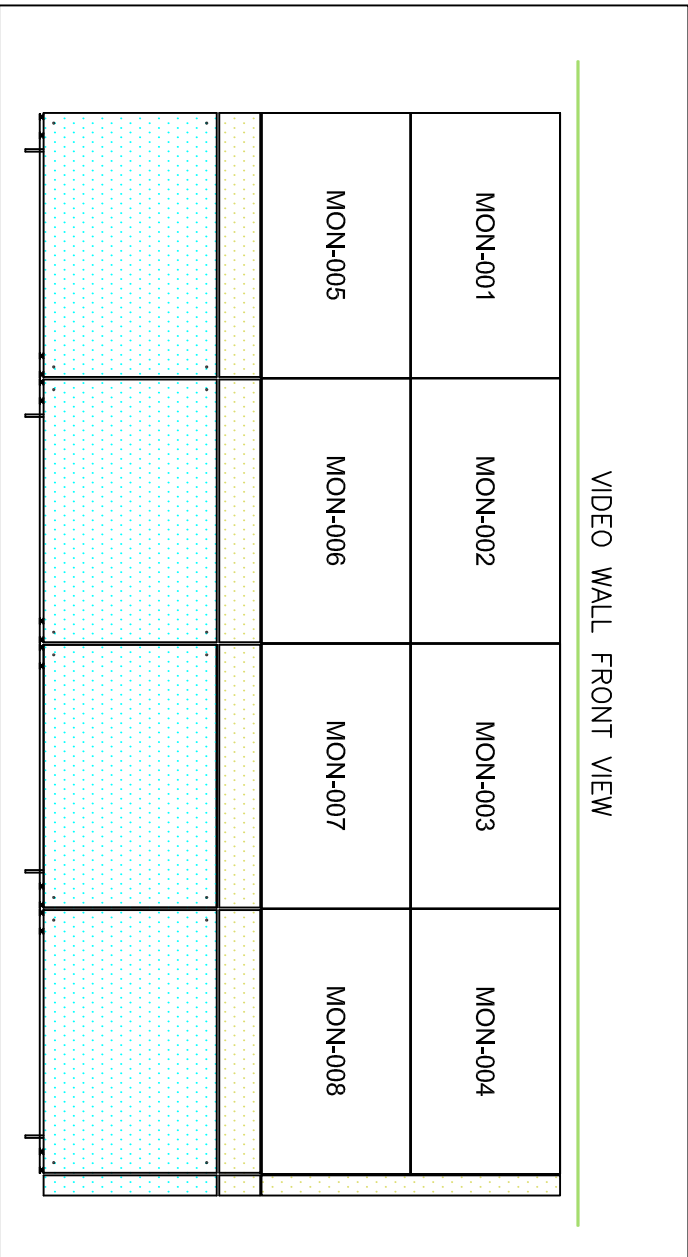
VIDEO WALL SIDE VIEW




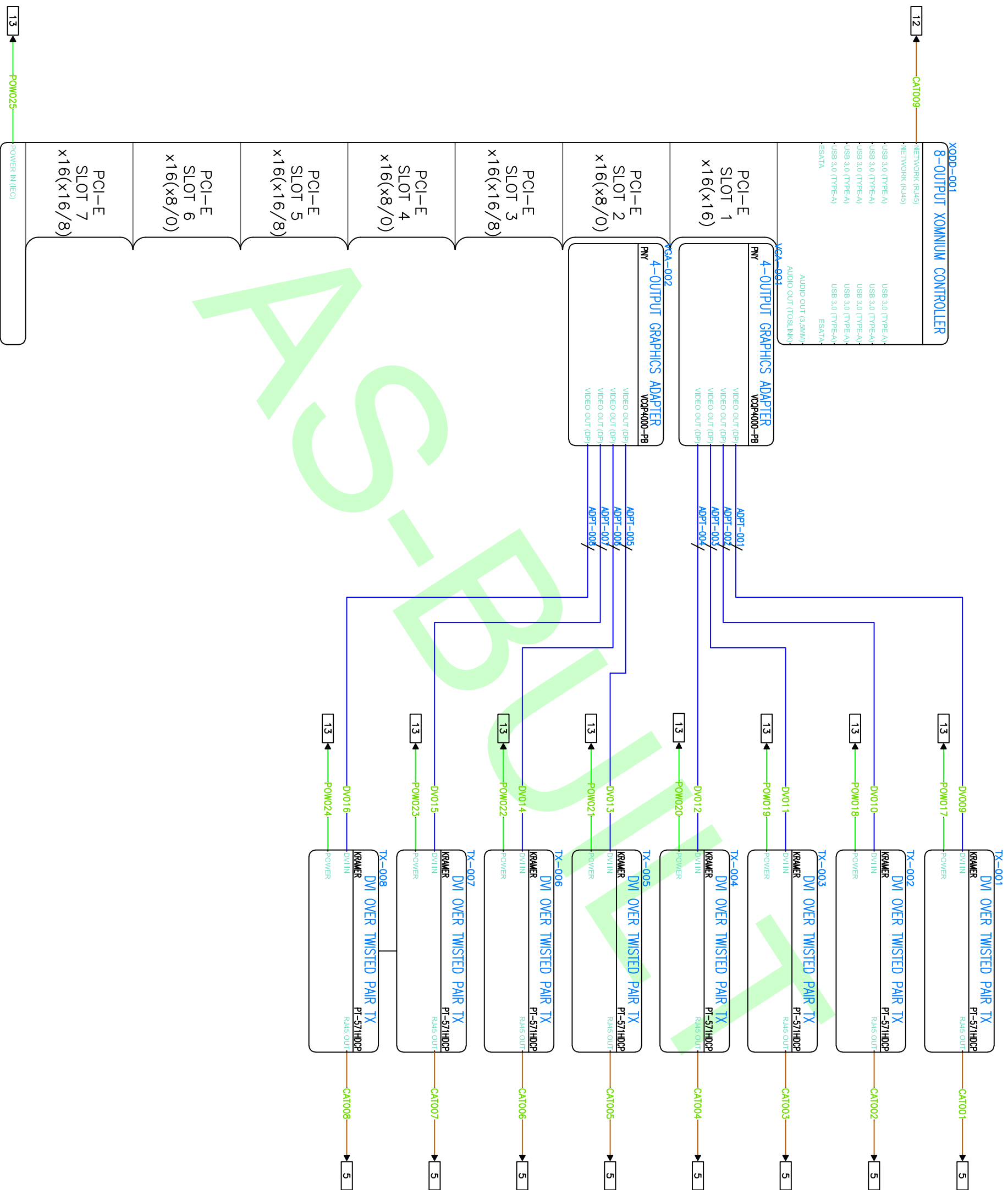
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SCALE NONE		
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		CHECKED BY DATE
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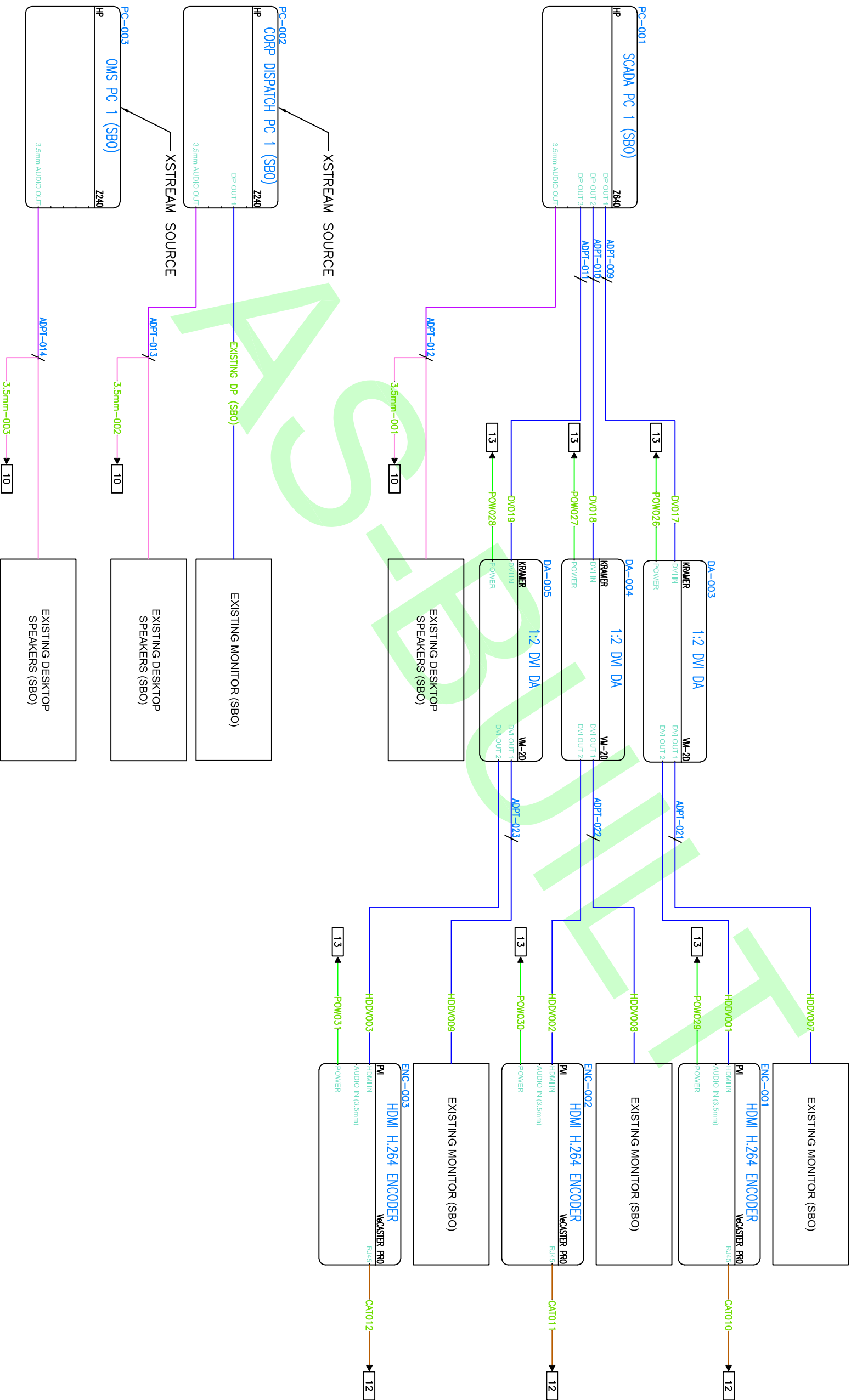
VIDEO WALL FRONT VIEW




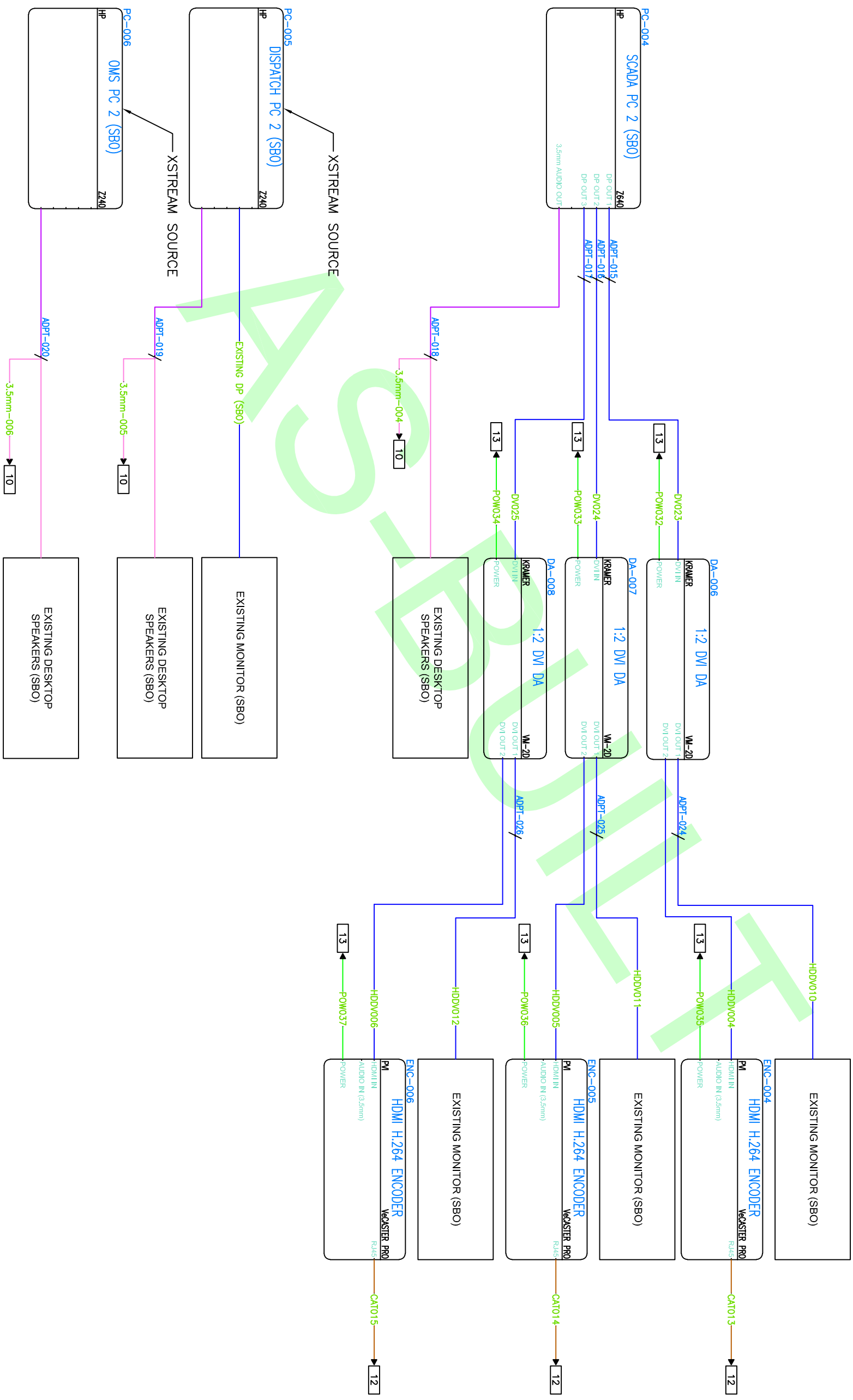
DWG TYPE	INSTALLATION	LOCATION	JOB NO. 4650-001	 www.mauell.us 31 Old Cabin Hollow Rd. Dillsburg, PA 17019 717-432-8686
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			CHECKED BY	
			DATE 3/27/18	
			DATE	
			SHEET NO. 5 OF 14	




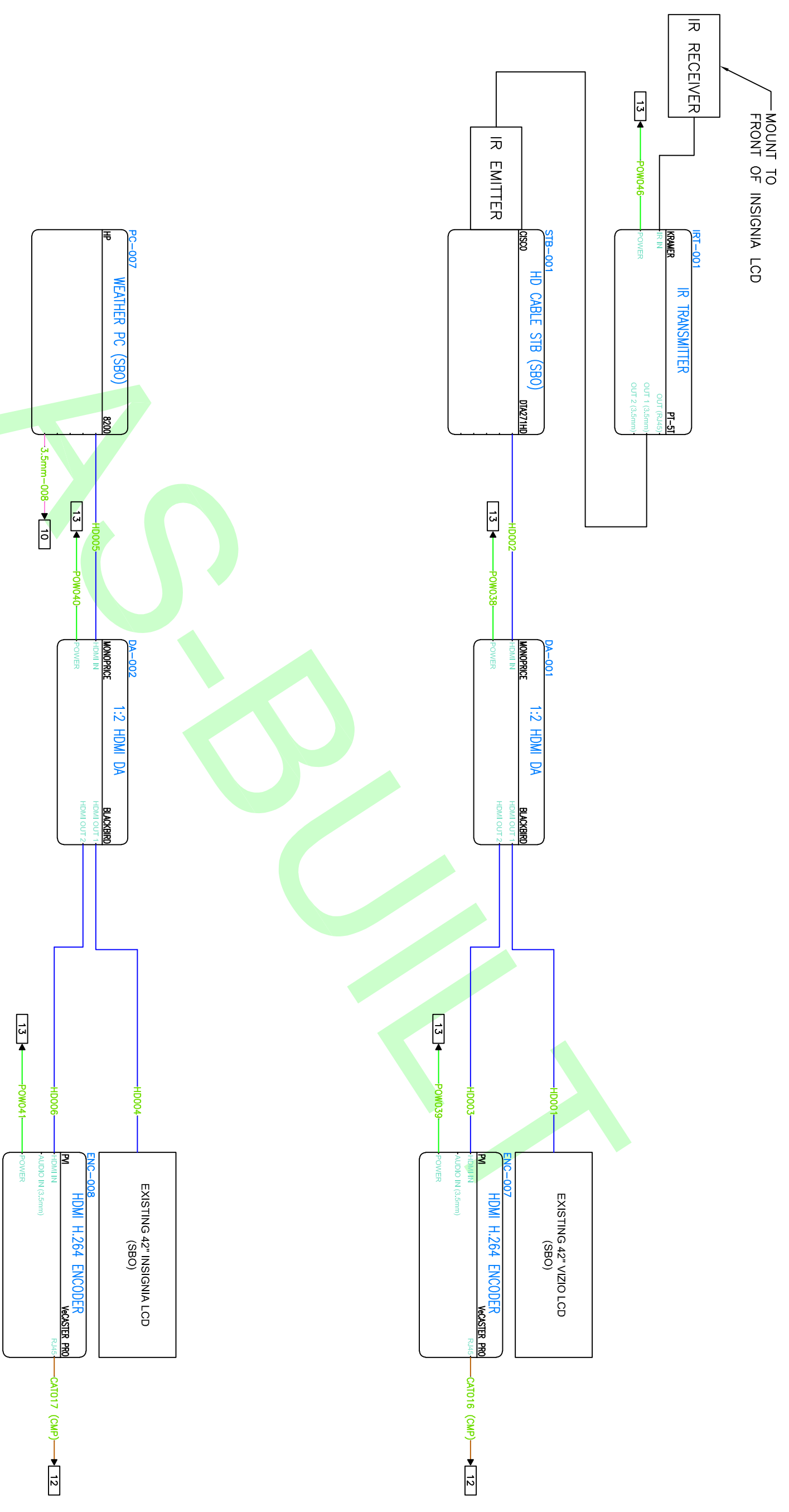
DWG TYPE	INSTALLATION	LOCATION	JOB NO 4650-001	 www.mauell.us 31 Old Cabin Hollow Rd. Dillsburg, PA 17019 717-432-8686
DWG TITLE	VID. WALL. CNTRL.		SCALE NONE	
DWG NO	REV.	K605	ENGINEER MSF	
			DRAWN BY MSF	
			CHECKED BY	DATE 3/27/18
			SHEET NO	6 OF 14




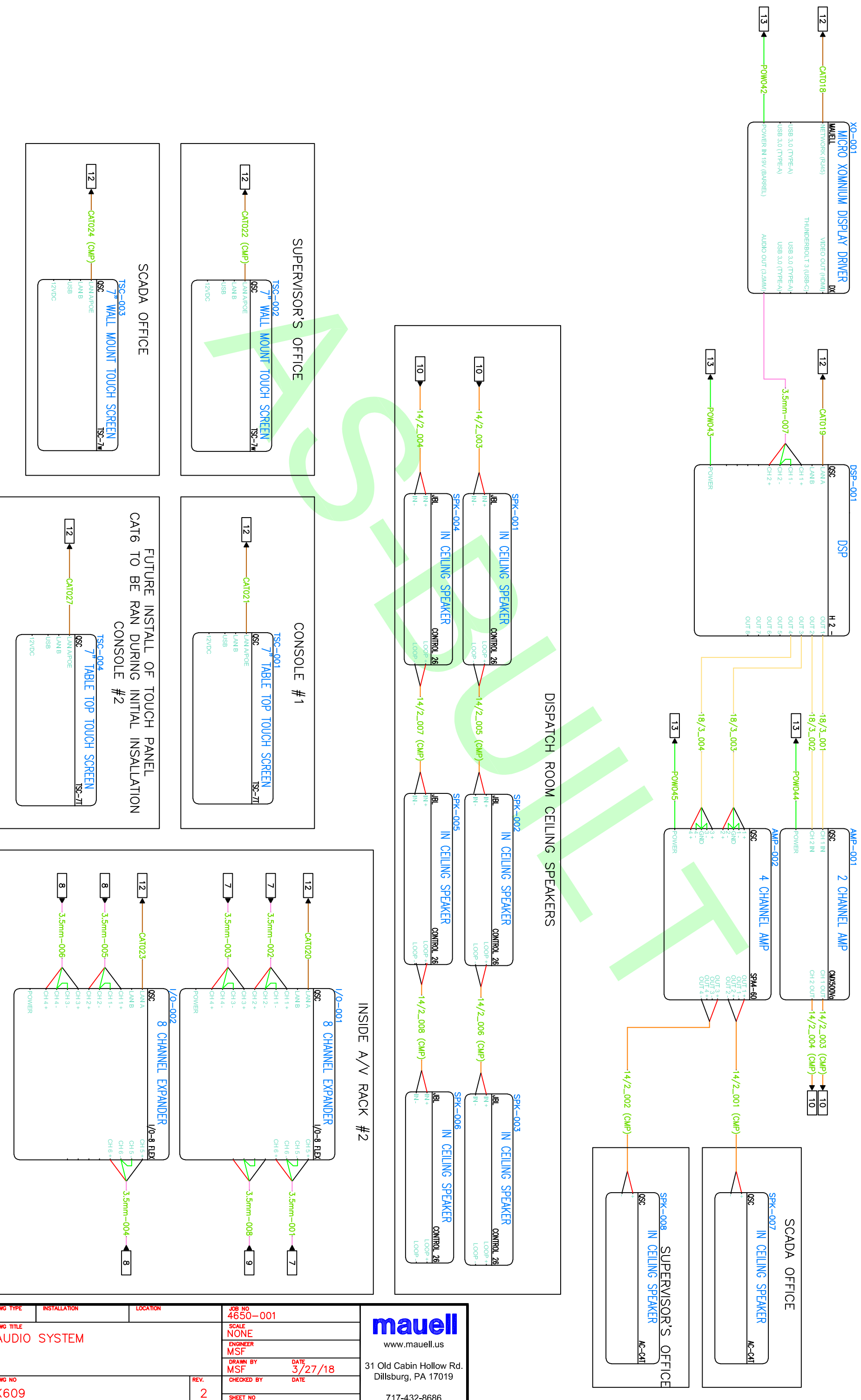
DWG TYPE	INSTALLATION	LOCATION	JOB NO 4650-001	 www.mauell.us 31 Old Cabin Hollow Rd. Dillsburg, PA 17019 717-432-8686
DWG TITLE	CONSOLE 1		SCALE NONE	
DWG NO	K606	REV. 1	ENGINEER MSF	
			DRAWN BY MSF	
			DATE 3/27/18	
			CHECKED BY	
			DATE	
			SHEET NO 7 OF 14	




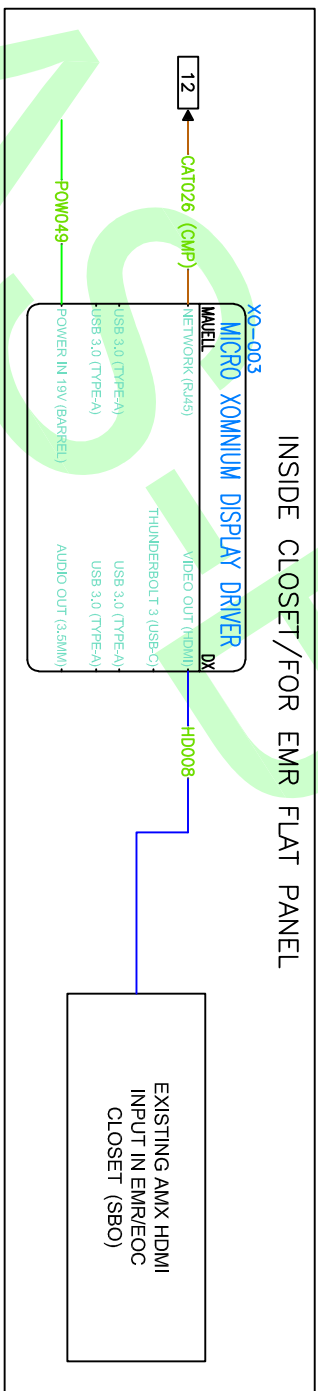
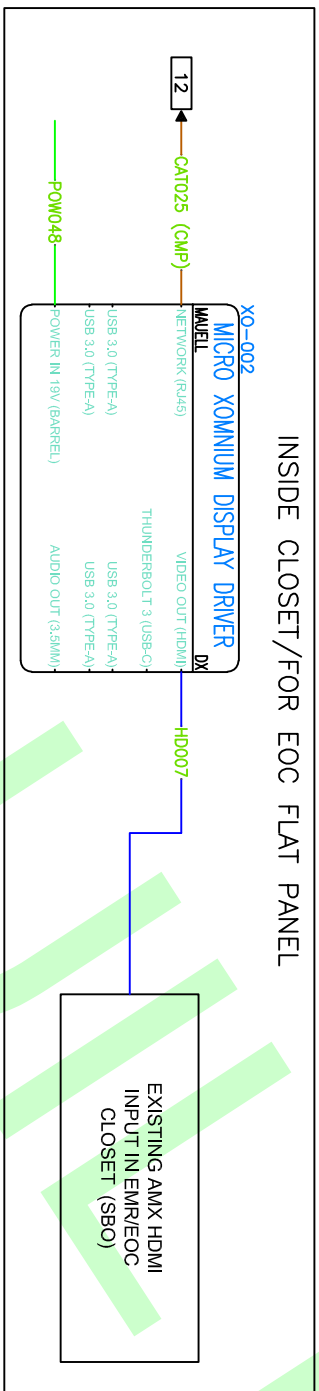
DWG TYPE	INSTALLATION	LOCATION	JOB NO 4650-001	 www.mauell.us 31 Old Cabin Hollow Rd. Dillsburg, PA 17019 717-432-8686
DWG TITLE	CONSOLE 2		SCALE NONE	
DWG NO	K607	REV. 1	ENGINEER MSF	
			DRAWN BY MSF	
			DATE 3/27/18	
			CHECKED BY	DATE
			SHEET NO 8 OF 14	




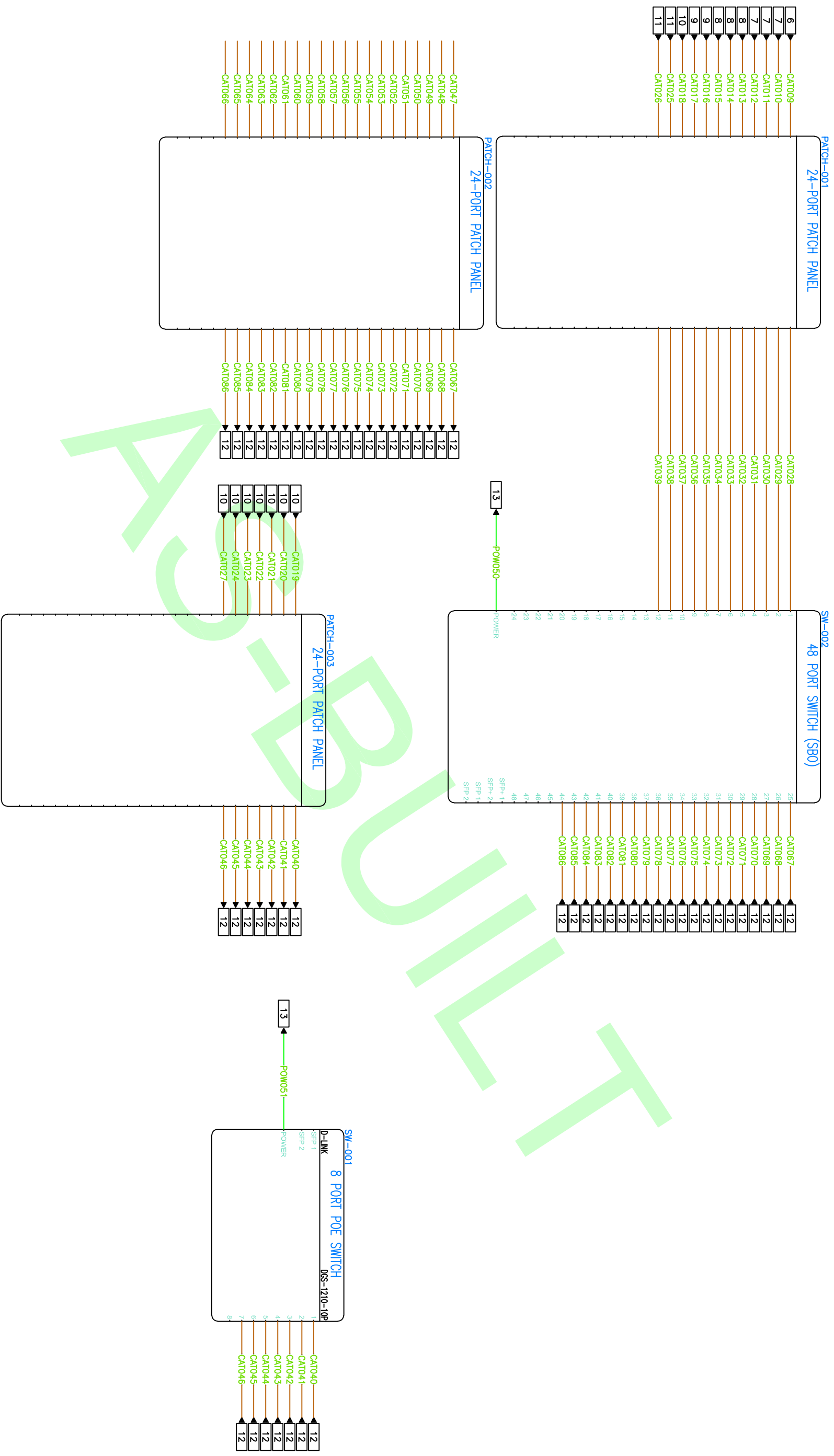
DWG TYPE	INSTALLATION	LOCATION	JOB NO	 www.mauell.us 31 Old Cabin Hollow Rd. Dillsburg, PA 17019 717-432-8686
DWG TITLE			SCALE	
EXTERNAL SOURCES			NONE	
ENGINEER			MSF	
DRAWN BY			MSF	
DATE			3/27/18	
DWG NO	REV.	CHECKED BY	DATE	
K608	2			
SHEET NO			9 OF 14	




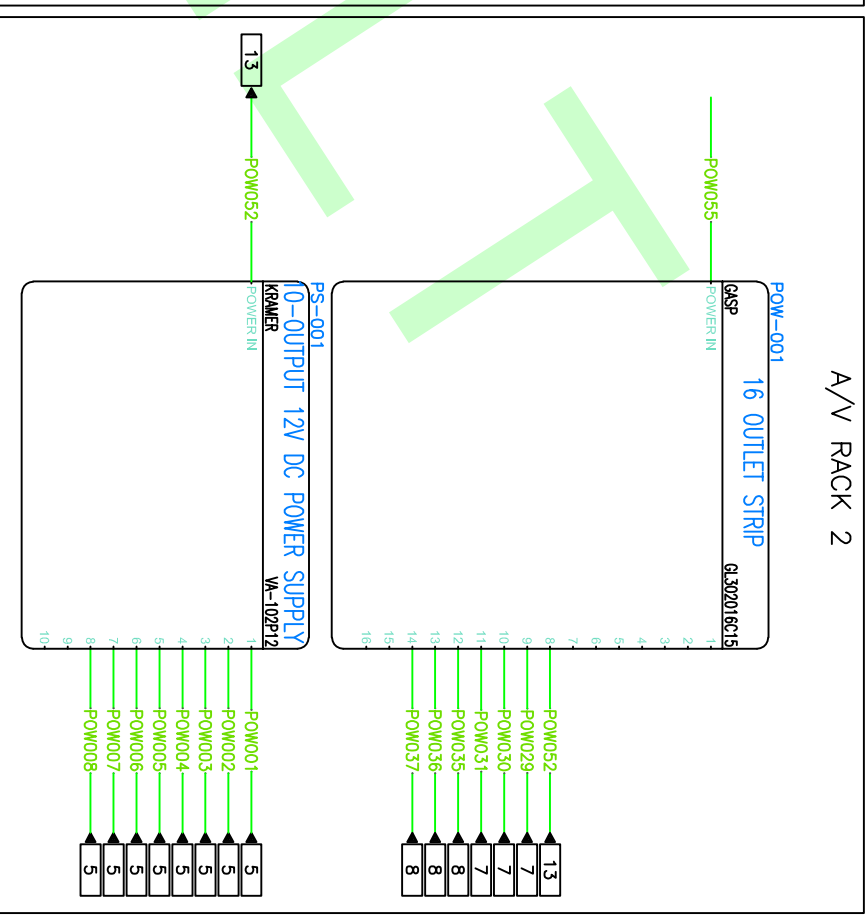
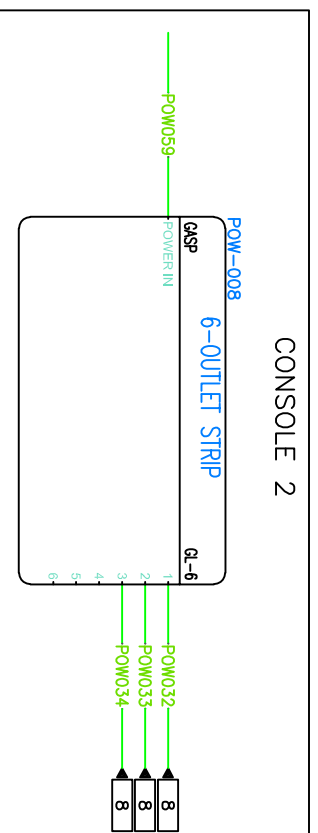
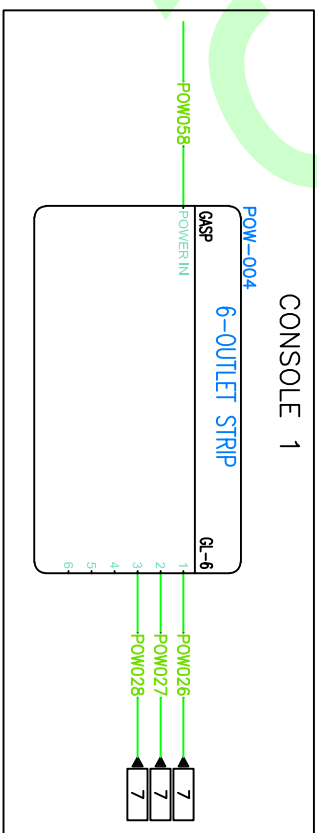
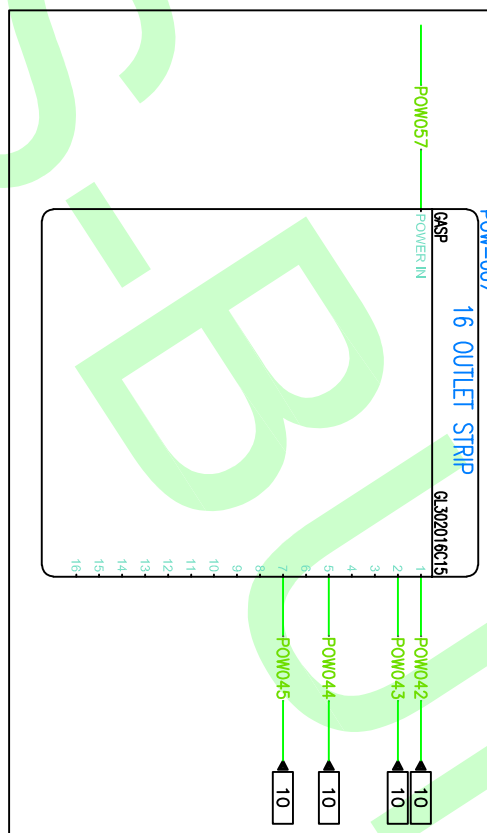
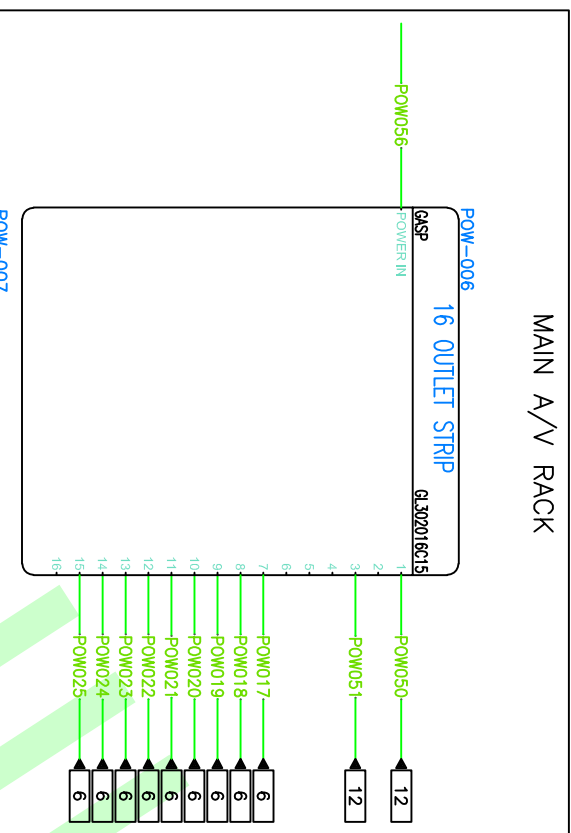
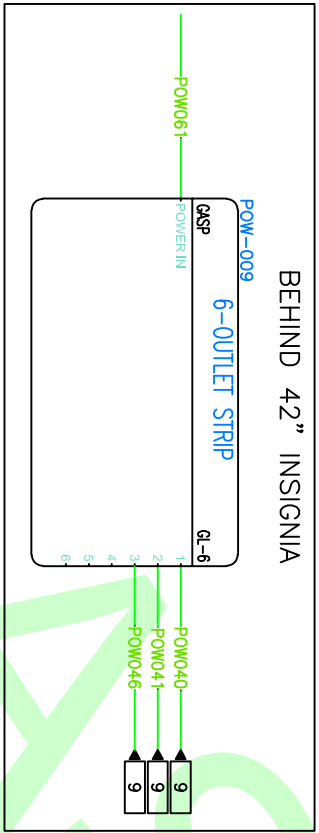
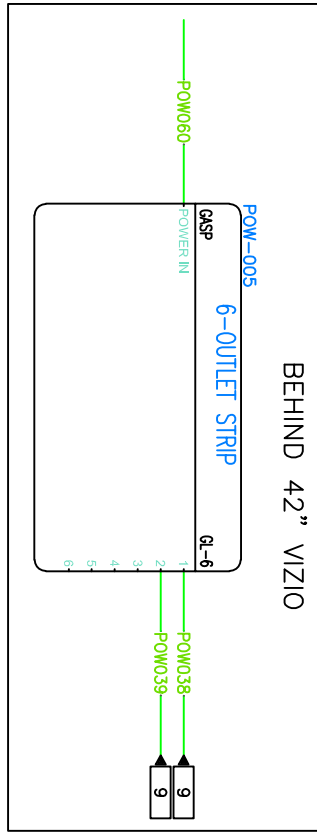
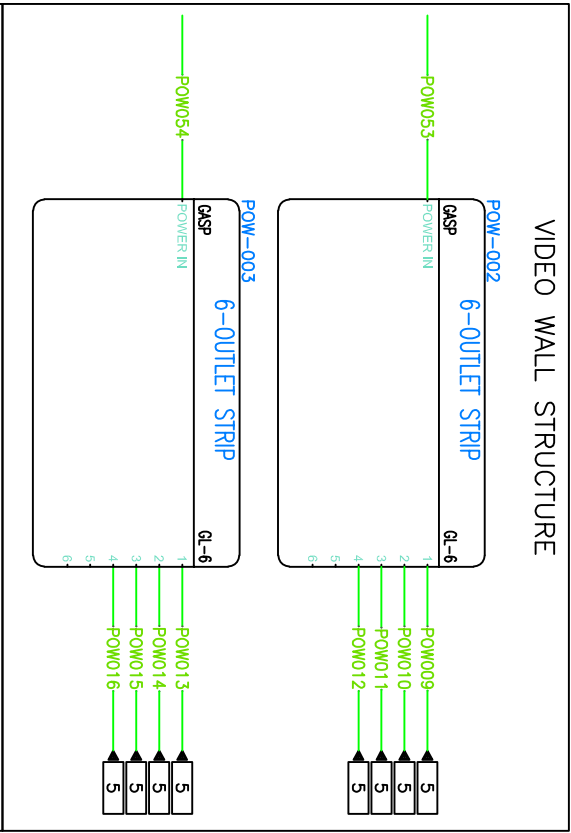
JOB NO 4650-001		 www.mauell.us 31 Old Cabin Hollow Rd. Dillsburg, PA 17019 717-432-8686
SCALE NONE		
ENGINEER MSF		
DRAWN BY MSF	DATE 3/27/18	
CHECKED BY	DATE	SHEET NO 10 OF 14
REV. 2	DWG NO K609	
DWG TYPE INSTALLATION	LOCATION	DWG TITLE AUDIO SYSTEM




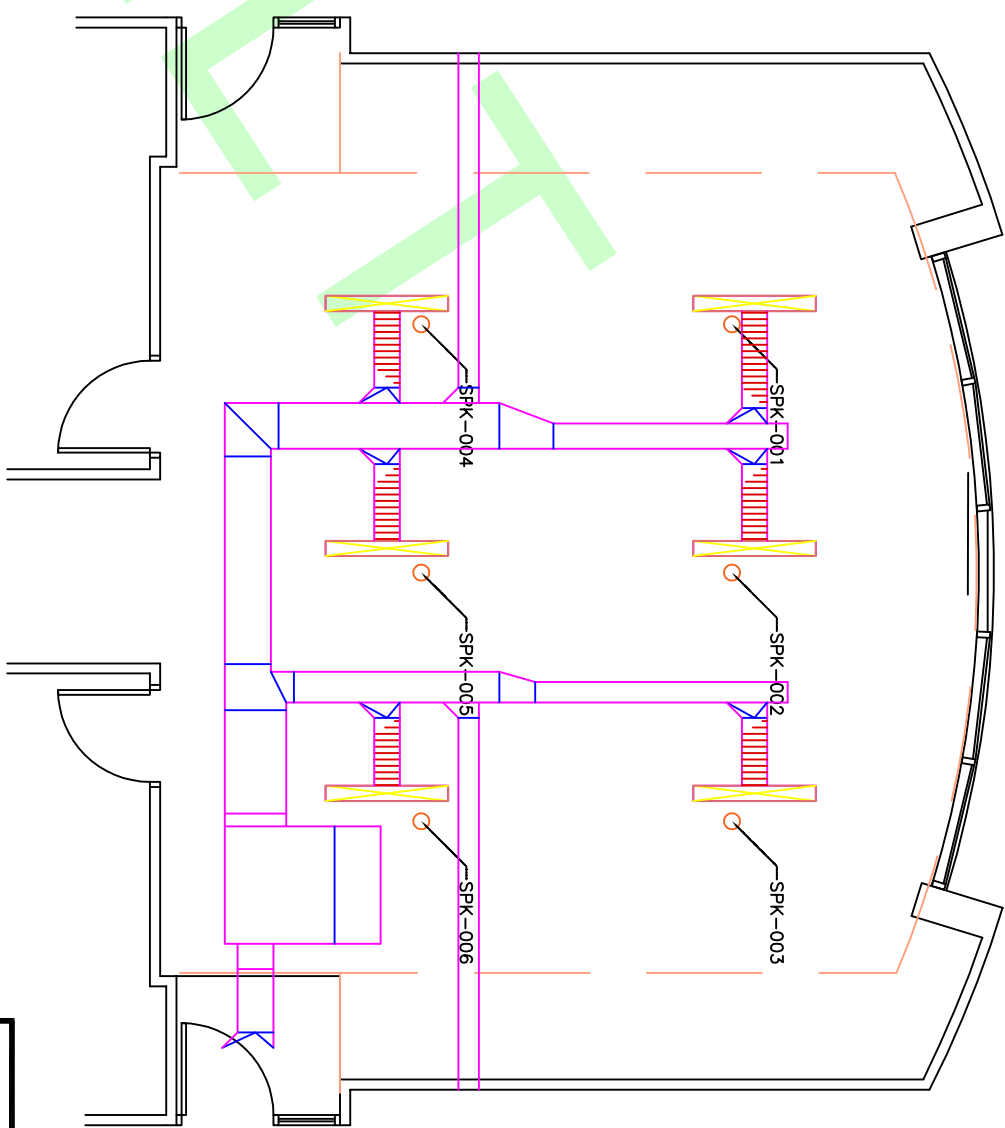
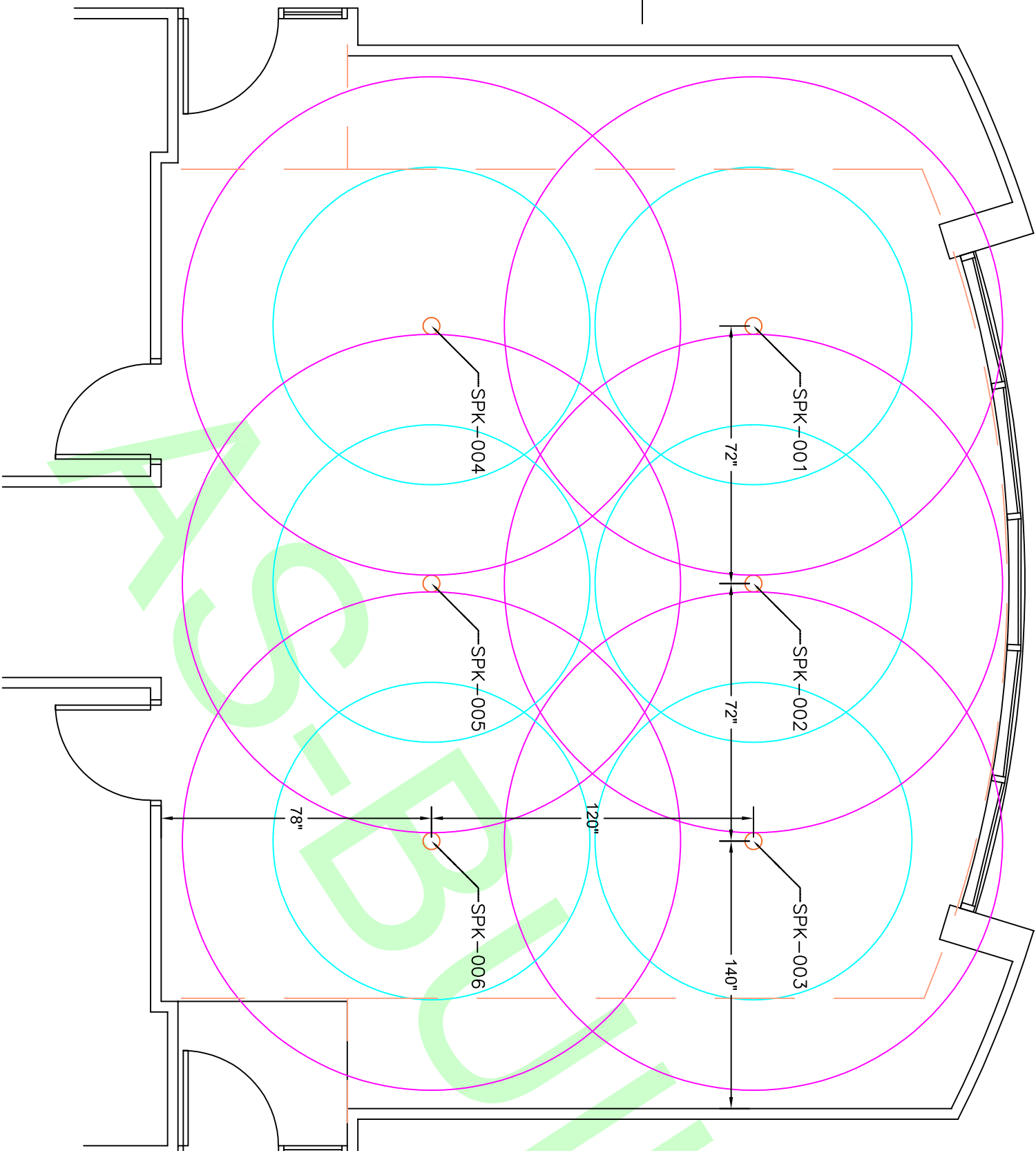
DWG TYPE	INSTALLATION	LOCATION	JOB NO 4650-001	 www.mauell.us 31 Old Cabin Hollow Rd. Dillsburg, PA 17019 717-432-8686
DWG TITLE EMR & ERR			SCALE NONE	
DWG NO K610			ENGINEER MSF	
REV. 1	DRAWN BY MSF		DATE 3/27/18	
			CHECKED BY	DATE
			SHEET NO	11 OF 14



DWG TYPE	INSTALLATION	LOCATION	JOB NO 4650-001	 www.mauell.us 31 Old Cabin Hollow Rd. Dillsburg, PA 17019 717-432-8686
DWG TITLE NETWORK			SCALE NONE	
DWG NO K611			ENGINEER MSF	
REV. -			DRAWN BY MSF	
			DATE 3/27/18	
			CHECKED BY	
			DATE	
			SHEET NO 12 OF 14	

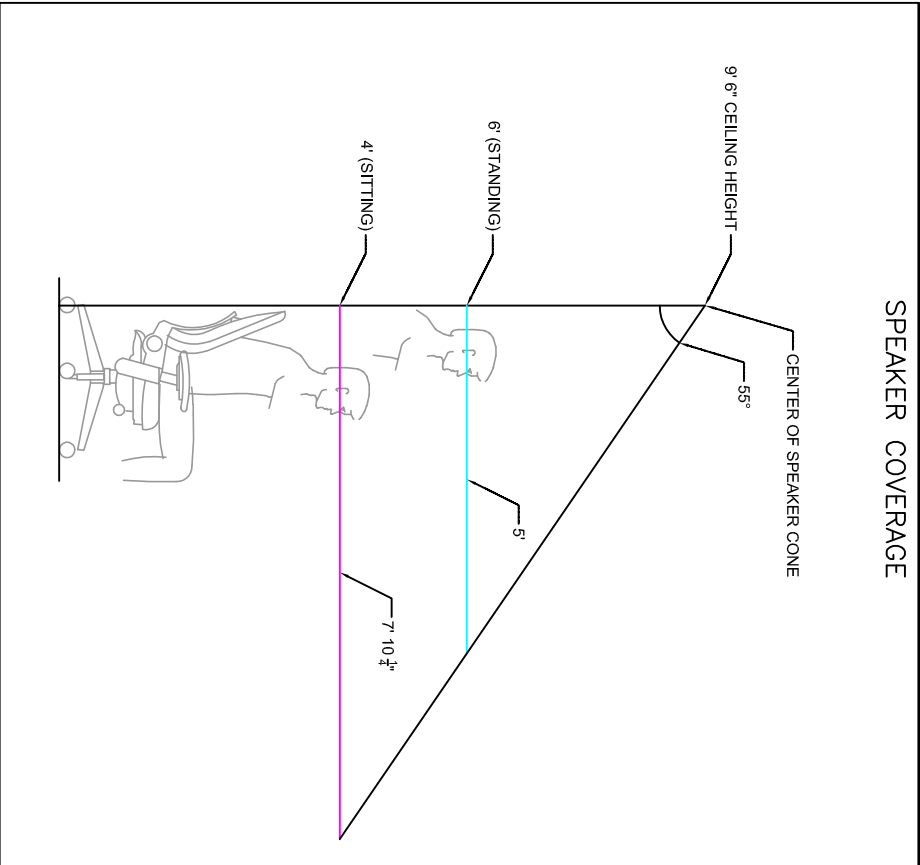


DWG TYPE INSTALLATION	LOCATION	JOB NO 4650-001	 www.mauell.us 31 Old Cabin Hollow Rd. Dillsburg, PA 17019 717-432-8686
DWG TITLE POWER DISTRIBUTION		SCALE NONE	
DWG NO K612		ENGINEER MSF	
REV. -	CHECKED BY DATE	DRAWN BY MSF DATE 3/27/18	
SHEET NO 13 OF 14			



NOTES

-ALL MEASUREMENTS ARE TO CL OF SPEAKERS
 -THIS IS A GENERAL GUIDE FOR BEST PERFORMANCE.
 ACTUAL SPEAKER PLACEMENT MAY NEED TO VARY
 BASED ON LIGHTING AND CEILING GRID PLACEMENT.

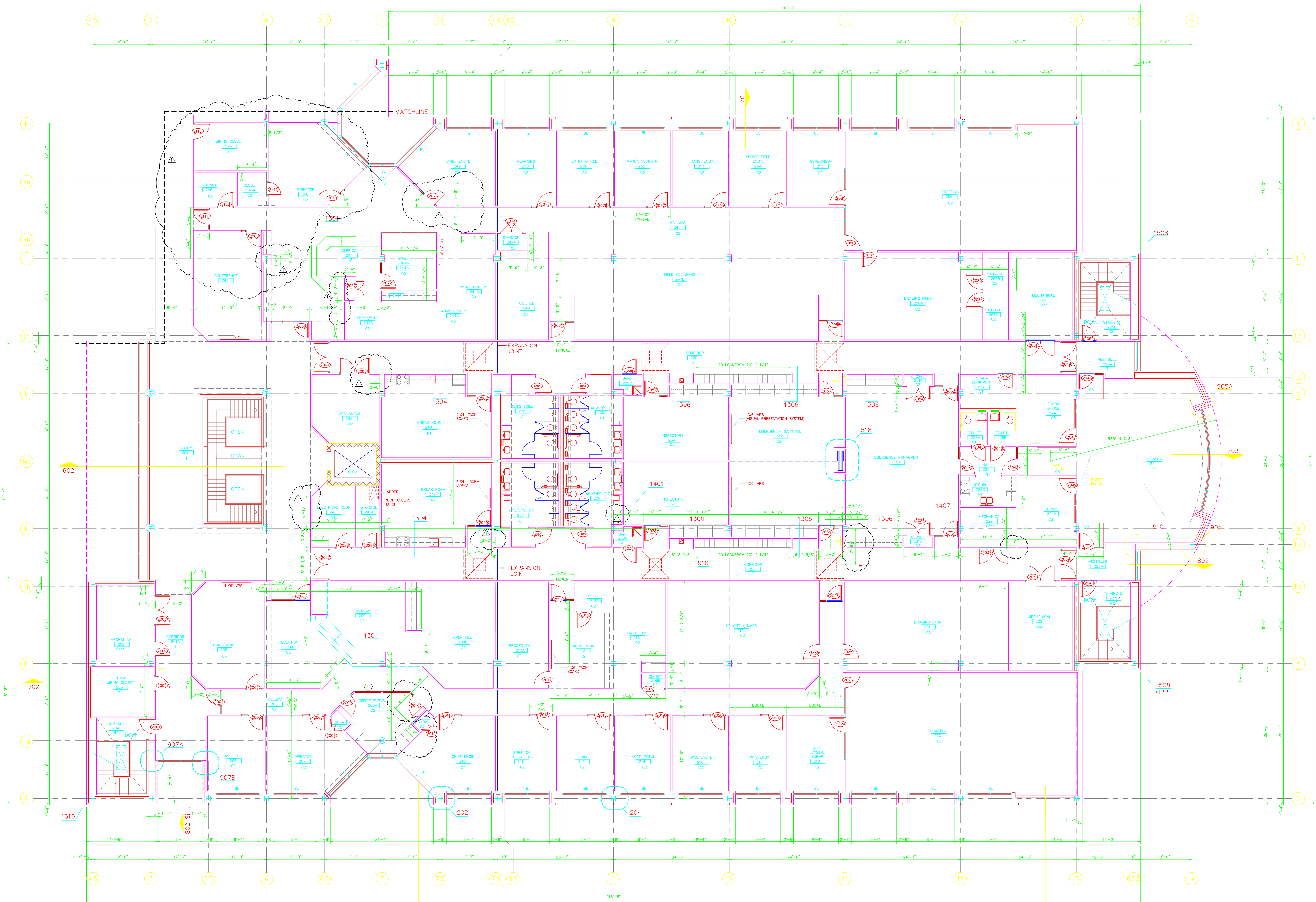


DWG TYPE	INSTALLATION	LOCATION	JOB NO. 4650-001	 www.mauell.us 31 Old Cabin Hollow Rd. Dillsburg, PA 17019 717-432-8686
DWG TITLE SPEAKER PLACEMENT			SCALE NONE	
DWG NO. K613			ENGINEER MSF	
REV. 1			DRAWN BY MSF	
			DATE 3/27/18	
			CHECKED BY	
			DATE	
			SHEET NO. 14 OF 14	

CONSULTANTS

STRUCTURAL ENGINEER
FLEMING AND ASSOCIATES
1314 RAEFORD ROAD
FAYETTEVILLE, N.C. 28305

MECHANICAL AND ELECTRICAL ENGINEERS
BUFFALO, MORGAN & ASSOC., INC.
1115 LAKE WHEELER ROAD
RALEIGH, N.C. 27603

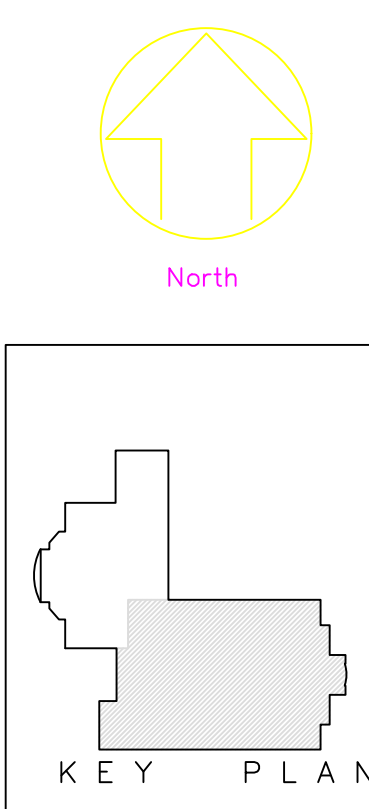


201 SECOND FLOOR PLAN
1/8" = 1'-0"

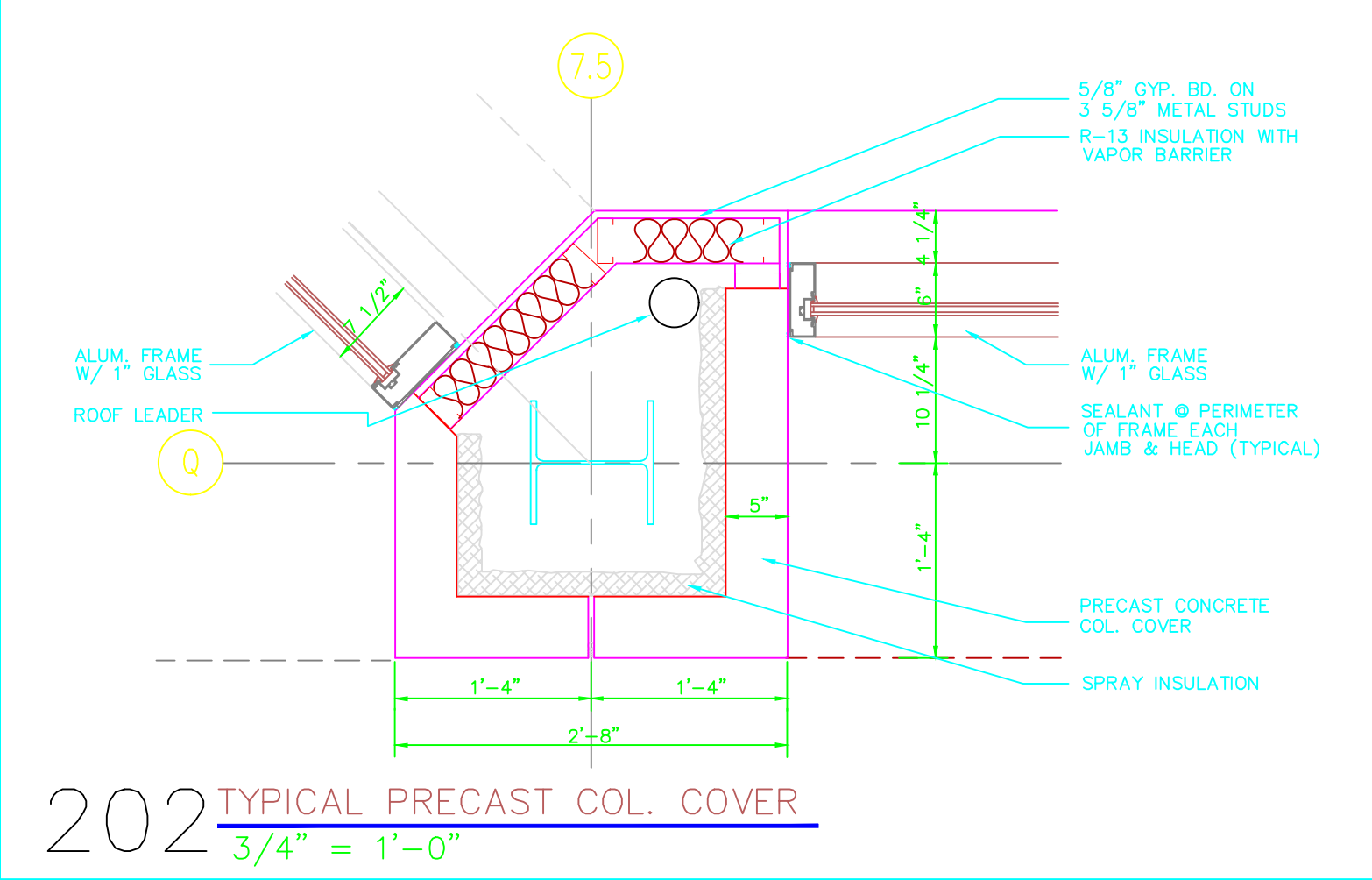
APRIL 14, 1997
PLAN REVISIONS

SHEET TITLE:
SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"
DATE: AUGUST 1996
PROJECT NO: 9426
DRAWN BY: JHG
CHECKED BY: WWM

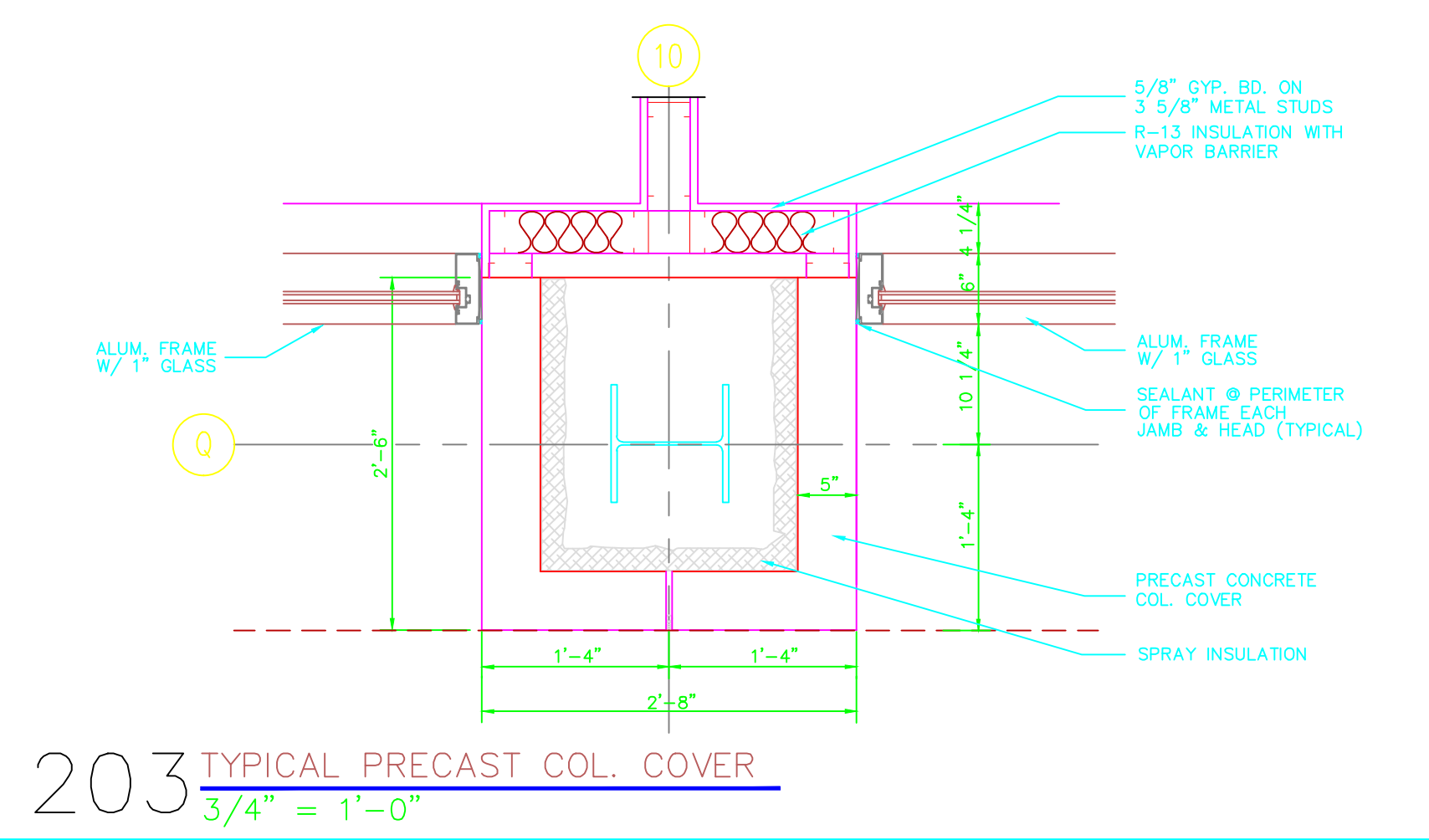
OPERATIONS CENTER
PWC
PUBLIC WORKS COMMISSION
FAYETTEVILLE, N.C.



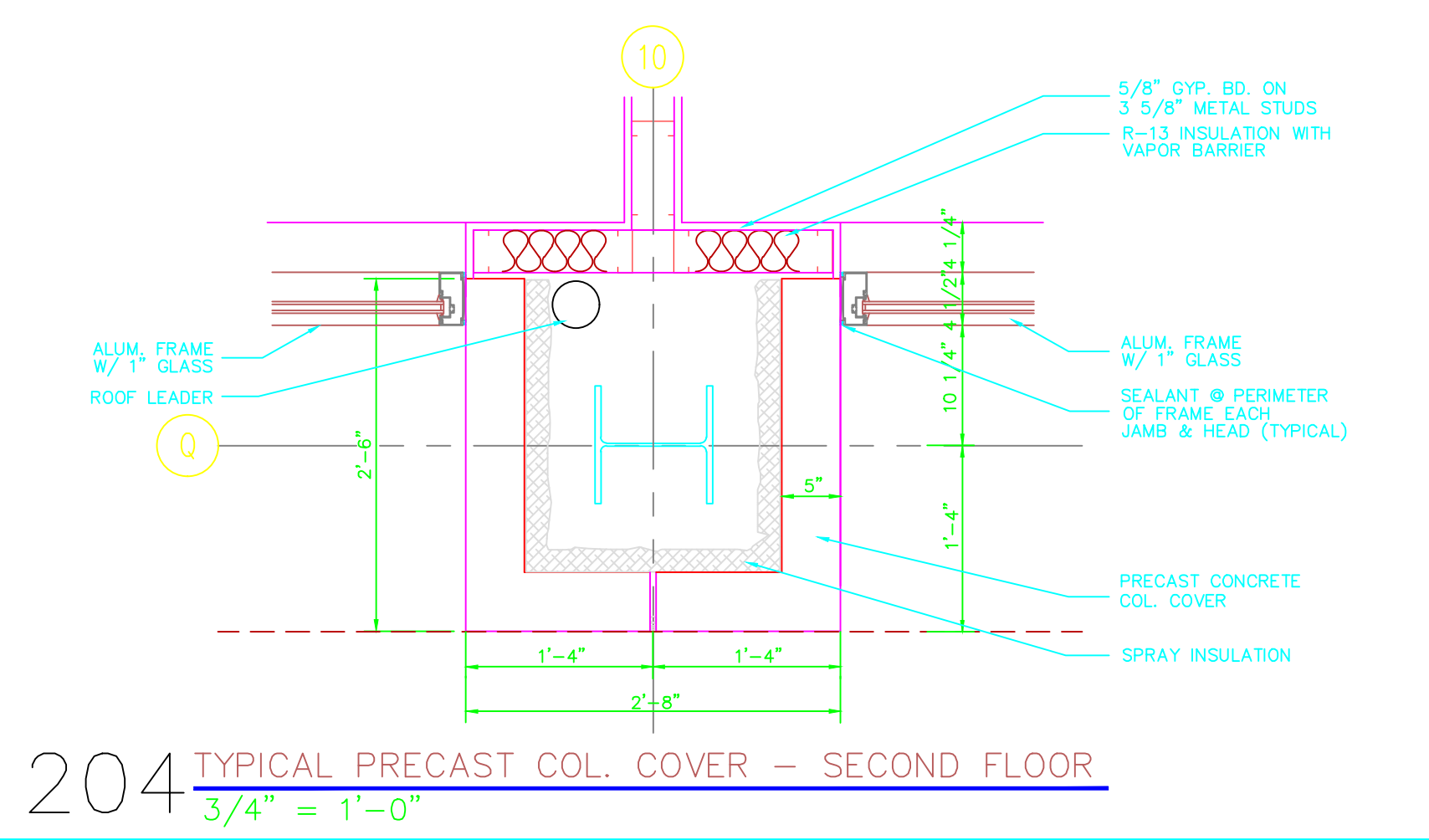
SHEET
A-2
OF



202 TYPICAL PRECAST COL. COVER
3/4" = 1'-0"



203 TYPICAL PRECAST COL. COVER
3/4" = 1'-0"



204 TYPICAL PRECAST COL. COVER - SECOND FLOOR
3/4" = 1'-0"

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