

Item	1B	Media Technology	Electrical Low Voltage Contractor	Audio Video Integrator	Owner P/F-E Purchasing Agent	Trade Contractor	Architect/ Engineer Consultant				
GENERAL ITEMS											
G1	PATCH PAINT AND DRYWALL REPAIR				P/I						
G2	PAINTING, THEMING AND TOUCHUP PAINT				P/I						
G3	CLEAN POWER FOR EQUIPMENT RACKS AND FIELD DEVICE LOCATIONS		P/I			D					
G4	GENERAL AV / NETWORK TOOLS - CRIMPERS, PUNCHDOWN, UNICAM FIBER TOOLS		P/I								
G5	SPECIALTY AV TOOLS - RG CRESTRON CRIMPER OR CRESTRON FIBER TERMINATION KIT		P/I								
G6	SPECIALTY AV TOOLS - RG CRESTRON CRIMPER OR CRESTRON FIBER TERMINATION KIT REQUIRED FOR OFF SITE FABRICATION.		P/I								
G7	PROPER VENTILATION AND COOLING FOR RACK / EQUIPMENT LOCATIONS				P/I	D					
	SOUND SYSTEM MUTE RELAY FROM LIFE SAFETY SYSTEM	I			P/I	D					
AUDIOVISUAL PATHWAY REQUIREMENTS											
A1	CABLE PATHWAYS		P/I			D					
A2	CABLE TRAY		P/I			D					
A3	J HOOKS		P/I			D					
A4	CONDUIT (INTRA-BUILDING AND OSP)		P/I			D					
A5	FLOOR TROUGH / FLOOR BOXES / OPERATION BOXES		P/I			D					
A6	J-BOXES		P/I			D					
A7	PULL BOXES		P/I			D					
A8	PULL STRING		P/I			D					
A9	INNER DUCT - RIGID		P/I			D					
A10	AUDIOVISUAL SYSTEM					D					
A11	DESIGN					D					
A12	SHOP DRAWINGS		P								
A13	AS-BUILTS (RESPECTIVE TO SCOPE)	P	P								
A14	SPEAKER BACK CANS	I	P			D					
A15	SPEAKERS	I	P			D					
A16	LCD/PLASMA SCREENS	I	P			D					
A17	LCD/PLASMA MOUNTS	I	P			D					
A18	BACKING / STRUCTURAL SUPPORT / HARDWARE (ANCHORS, BOLTS, NUTS, ETC.)		F/P/I		X	D					
A19	SPECIALTY BACK OR ROUGH IN BOXES	I	P			D					
A20	PROJECTORS	I	P			D					
A21	PROJECTION SCREENS	I	P			D					
A22	CAMERAS	I	P			D					
A23	AV PANELS	I	P			D					
A24	SPECIALTY AV CONNECTORS	I	P			D					
A25	AV FIELD CABLING	P/I				D					
A26	AV FIELD CABLING (TEST, LABEL)	P/I				D					
A27	AV FIELD CABLING (TERM TEST, LAND)	P/I				D					
A28	AV EQUIP RACK CABLING FROM THE RACKS TO WAGO	P/I				D					
A29	RACK TO RACK INTERCONNECTS	I	P			D					
A30	GENERAL CONNECTORS	I	P			D					
A31	EQUIPMENT POWER SERVICES (RACKS, DISPLAYS, SPEAKERS)	P/I				D					
A32	EQUIPMENT CABINETS	I	P/F			D					
A33	MOULDING / BRACING OF CABINETS AND RACKS ETC.	I	P/F			D					
A34	DSP (DIGITAL SOUND PROCESSORS)	P/I/I				D					
A35	AUTOMATION CONTROL PROCESSOR	P/I/I				D					
A36	TOUCH PANELS	I	P			D					
A37	SWITCHER/ROUTERS	P	I			D					
A38	NETWORK SWITCH	P	I			D					
A39	AMPLIFIERS	P/I				D					
A40	WAGO BLOCKS, DIN RAIL, LABELED BACKER BORADS	I	P			D					
A41	PATCH CORDS - RACK AND FIELD SIDE (AUDIO/VIDEO, FIBER, NETWORK)	P/I				D					
A42	SPEAKER CABLES TERMINATED TO WAGO AT RACK	P/I				D					
A43	FIELD FIBER OPTIC CABLES TERMINATED AT RACK	P/I				D					
A44	FOH / GUEST FACING EQUIPMENT, DJ OR BAND EQUIPMENT AFTER TCO	P/I				D					
A45	CRESTRON PROGRAMMING	P	I			D					
A46	PROGRAMMING TESTING AND DOCUMENTING	P/I				D					
A47	AUDIO DSP PROGRAMMING	P	I			D					
A48	AUDIO DSP PROGRAM TESTING AND DOCUMENTING	P	I			D					
A49	SYSTEM COMMISSIONING AND TRAINING	P/I				D					
A50	IPTV CONTENT	P	I			D					
A51	MEDIA TECHNOLOGY NETWORK SWITCH CONFIGURATION	P	I			D					
LIGHTING REQUIREMENTS											
L1	LIGHTING CONSULTANT SPECIFIED LIGHTING	P/I				D					
L2	ELECTRICAL ENGINEER SPECIFIED LIGHTING	P/I				D					
L3	INTERIOR DESIGN SPECIFIED LIGHTING	I	P			D					
L4	L5 BUSWAY	P/I				D					
L5	UNISTRUT FOR L5I BUSWAY	P/I				D					
L6	UNISTRUT FOR HANGING LIGHTS/BANNERS		P/I			D					
L7	DIMMING SYSTEM	P/I				D					
L8	MEETING/BALLROOM CONTROL STATIONS	I	P			D					
L9	DIMMING SYSTEM PROCESSORS	P/I				D					
L10	DIMMING SYSTEM NETWORK SWITCH	P	I			D					
L11	DIMMING SYSTEM PROGRAMMING	P/I				D					
TELECOMMUNICATIONS REQUIREMENTS											
T1	COMMUNICATION CONDUIT	P/I				D					
T2	COMMUNICATION CABLE TRAY	P/I				D					
	COMMUNICATION HORIZONTAL AND BACKBONE CABLE	P/I				D					
T4	FACEPLATES	P/I				D					
T5	RACKS / CABINETS	P/I				D					
T6	GROUNDING	P/I				D					
T7	LADDER RACK	P/I				D					
T8	PLYWOOD BACKBOARDS	P/I				D					
T9	PHONES/ COMPUTERS/ POS		P/I			D					
T10	WIRELESS ACCESS POINTS	P	I			D					
T11	CATEGORY CABLE TERMINATIONS, TESTING	P/I				D					
T12	PATCH CORDS AND PATCH PANELS	P/I				D					
T12	NETWORK SWITCHES	P/I/D				D					
SECURITY/SURVEILLANCE REQUIREMENTS											
S1	IP CCTV CAMERAS	P	I			D					
S2	CONVENTION ACCESS CONTROL SYSTEMS	P/I				D					
S3	CONVENTION ACCESS CARD READER	P/I				D					
S4	ACCESS CONTROL CABLING, TERMINATIONS	P/I				D					
S5	NETWORK SWITCHES	P/I				D					
S6	EQUIPMENT RACKS	P/I				D					
S7	PATHWAY, FULL BOXES, 120 VOLT REQUIREMENTS	P/I				D					
S8	CATEGORY CABLE, TERMINATIONS, TESTING	P/I				D					
RIGGING REQUIREMENTS											
R1	RIGGING POWER SUPPLY	P/I				D					
R2	RIGGING DIMMED LIGHTING	P/I				D					
LEGEND											
	PROCURE	P									
	INSTALL	I									
	DESIGN	D									
	FABRICATE	F									

ELECTRICAL CONTRACTOR & AUDIOVISUAL INTEGRATOR RESPONSIBILITIES:

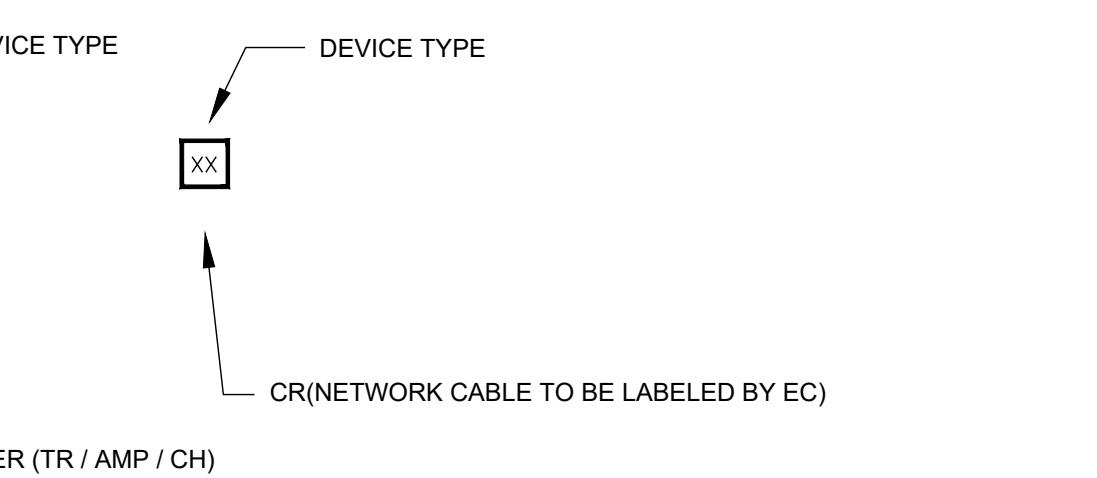
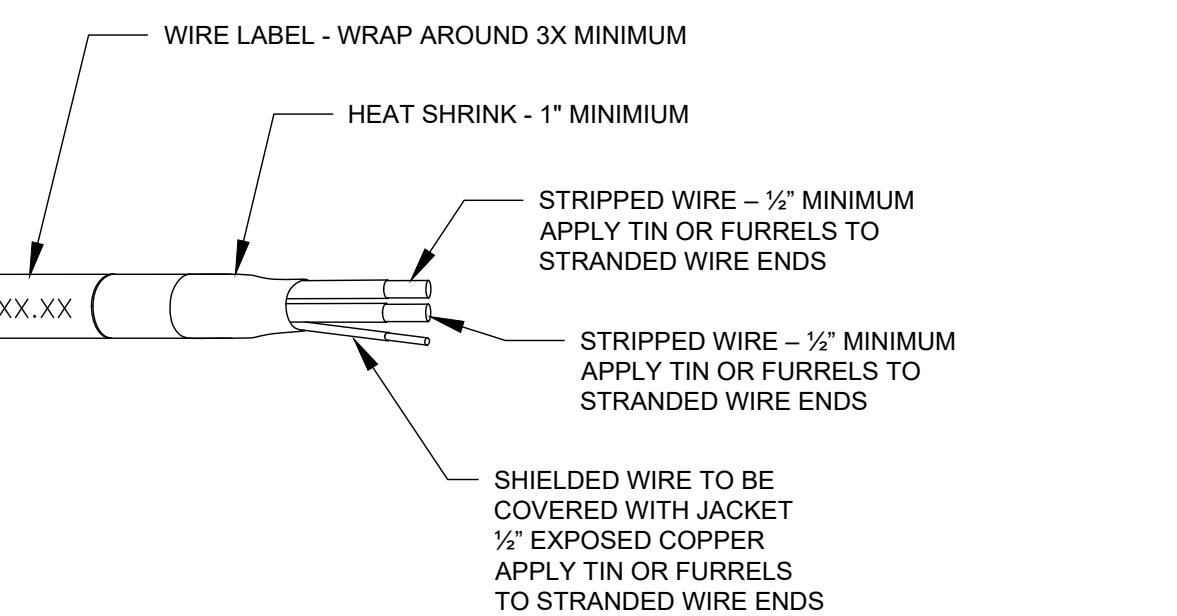
Construction Scope Clarifications:
This document has been created to clearly identify the scope of work between the General / Electrical contractor, Audiovisual Contractor (Integrator) and MGM Resorts. Please see the provided responsibility matrix for reference.

ER/TR/TC

- ALL TERMINAL BACKBOARDS SHALL BE 3/4"DP. X 8'H VOID FREE FIRE RETARDANT AC GRADE OR BETTER PLYWOOD WITH THE LENGTH AS INDICATED ON PLAN. BACKBOARD SHALL BE SECURELY FASTENED TO WALL-FRAMING MEMBERS.
- CABINETS AND RACKS SHALL BE INSTALLED WITH A 3 INCH SPACE BETWEEN CABINET / RACK/ VERTICAL WIRE MASTERS AND FIRE RATED PLYWOOD COVERED WALLS.
- ALL RACKS / CABINETS WILL BE LABELED AS INDICATED ON DRAWINGS. COMPLY WITH TIA/EIA-605-A AND UL969 FOR A SYSTEM OF LABELING MATERIALS.
- ALL ER/TR/TC ROOM WALL AND FLOOR PENETRATIONS SHALL HAVE STI EASY PATH CABLE SOLUTION INSTALLED. USE THE APPROPRIATE NUMBER OF KITS BASED ON CABLE DENSITY AS REQUIRED.

AUDIO VISUAL

- BOX MOUNTING HEIGHTS ARE TO CENTER OF BOX
- ALL BOXES AND CONDUIT IN WALLS AND CEILINGS SHALL BE FLUSH MOUNTED OR CONCEALED U.O.N.
- SUPPORT ALL LOUD SPEAKER ENCLOSURES FROM STRUCTURE RATHER THAN CEILING.
- COORDINATE WITH ARCHITECT AND ELV CONSULTANT FOR EXACT LOCATIONS OF AAL CEILING DEVICES FOR EXACT PLACEMENT OF DEVICES, BACK BOXES, CONDUIT IF DEVICE ELEVATIONS ARE NOT CLEARLY DEFINED.
- WHERE NO BOXES ARE REQUIRED REFER TO THE MANUFACTURERS INSTALLATION DTL FOR ROUGH IN AND CONDUIT TERMINATIONS.
- CONSTANT VOLTMAGE/LOUSPEAKER CABLE SHALL BE ROUTED IN CONDUIT WHEN EXPOSED, IN ACCESSIBLE OR AS REQUIRED BY SITE CONDITIONS.
- MONITOR CABLES AT 53° C. A.F., UNLESS OTHERWISE NOTED. COORDINATE EXACT LOCATIONS WITH ARCHITECT BEFORE INSTALLATION.
- PROJECTOR SCREEN BACK BOXES PROVIDED BY AV OR ELV CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR. PROVIDE GANG BOX AS REQUIRED FOR LOW VOLTAGE CONTROL AND MOTOR POWER FROM THE NEAREST PANEL. SCREENS TO BE CONTROLLED BY AV OR ELV CONTRACTOR.
- ALL BACK BOXES SHALL BE FIRE RESISTIVE WHEN THEY ARE INSTALLED IN CONCEALED SPACES SUCH AS ACTIC SPACES WHICH REQUIRE THAT THE FLAME SPREAD REQUIREMENTS (25) AND SMOKE DEVELOPMENT REQUIREMENTS (50) OF NFPA 90A 4.3.10.24.
- ELECTRICAL BOXES, BACK BOXES, ETC. THAT ARE MOUNTED WITHIN FIRE RATED ASSEMBLIES, SHALL BE PROTECTED WITH APPROVED "PUTTY PADS" OR CONTINUE WITHIN THE FIRE RATED ASSEMBLIES/BEHIND LARGE BACK BOXES.
- MINIMUM OF 8' CABLE WHIPS AT ALL JUNCTION BOXES, BEGINNING END OF CABLE TRAVEL.


AUDIO/VIDEO OUTLET SUMMARY:

MODULAR JACKS SHALL BE INSERTED INTO THE FACEPLATE SO THE CABLE NUMBERS ARE IN ASCENDING ORDER FROM LEFT TO RIGHT THEN TOP TO BOTTOM. SEE THE LABELING DOCUMENT FOR FURTHER DETAIL AND INFORMATION. UNTERMINATED MODULAR JACKS ARE TO BE SUPPORTED IN AN UNTERMINATED FACEPLATE. ALL UNUSED FACEPLATE PORTS ARE TO BE COVERED WITH A BLANK INSERT. THE COLOR AND MANUFACTURER OF THE FACEPLATE SHALL ALWAYS MATCH THE COLOR AND MANUFACTURER OF THE INSERTED MODULAR JACK(S).

STAINLESS STEEL FACEPLATES MUST BE USED IN ALL WET AREAS SUCH AS KITCHENS, BARS, AND FOOD PREP AREAS UNLESS ITA SPECIFIES OTHERWISE. THE FACEPLATE SHOULD BE INSTALLED FLUSH TO ITS MOUNTING SURFACE WITHOUT CAUSING EXCESSIVE STRAIN ON THE JACKS/CABLE(S). ALL MODULAR JACKS EQUIPPED WITH A DOOR SHALL HAVE THE DOOR OPEN AT THE TIME OF TERMINATION. ALL UNUSED MODULAR JACKS SHOULD HAVE THEIR DOORS IN THE CLOSED POSITION. ONLY ITA APPROVED FACEPLATES SHALL BE INSTALLED.

ALL LABELS, UNLESS OTHERWISE NOTED, SHALL HAVE A FONT SIZE/STYLE OF "14-POINT" AND INDICATE THE ORIGINATING TELECOM ROOM NAME AND THE SEQUENTIAL CABLE NUMBER WITH ONE DASH "-" SEPARATING THE TWO LABELS DESCRIBING DEDICATED VOICE CABLES SHALL HAVE A "V" PRECEDING THE SEQUENTIAL CABLE NUMBER.

FOR EXAMPLE: "TR13-018/019", "CR03-V14/223", "VOICE/CR13-113".

SEE SPECIFICATIONS DOCUMENT FOR FURTHER OUTLET INFORMATION.

1 AUDIO/VIDEO OUTLET SUMMARY

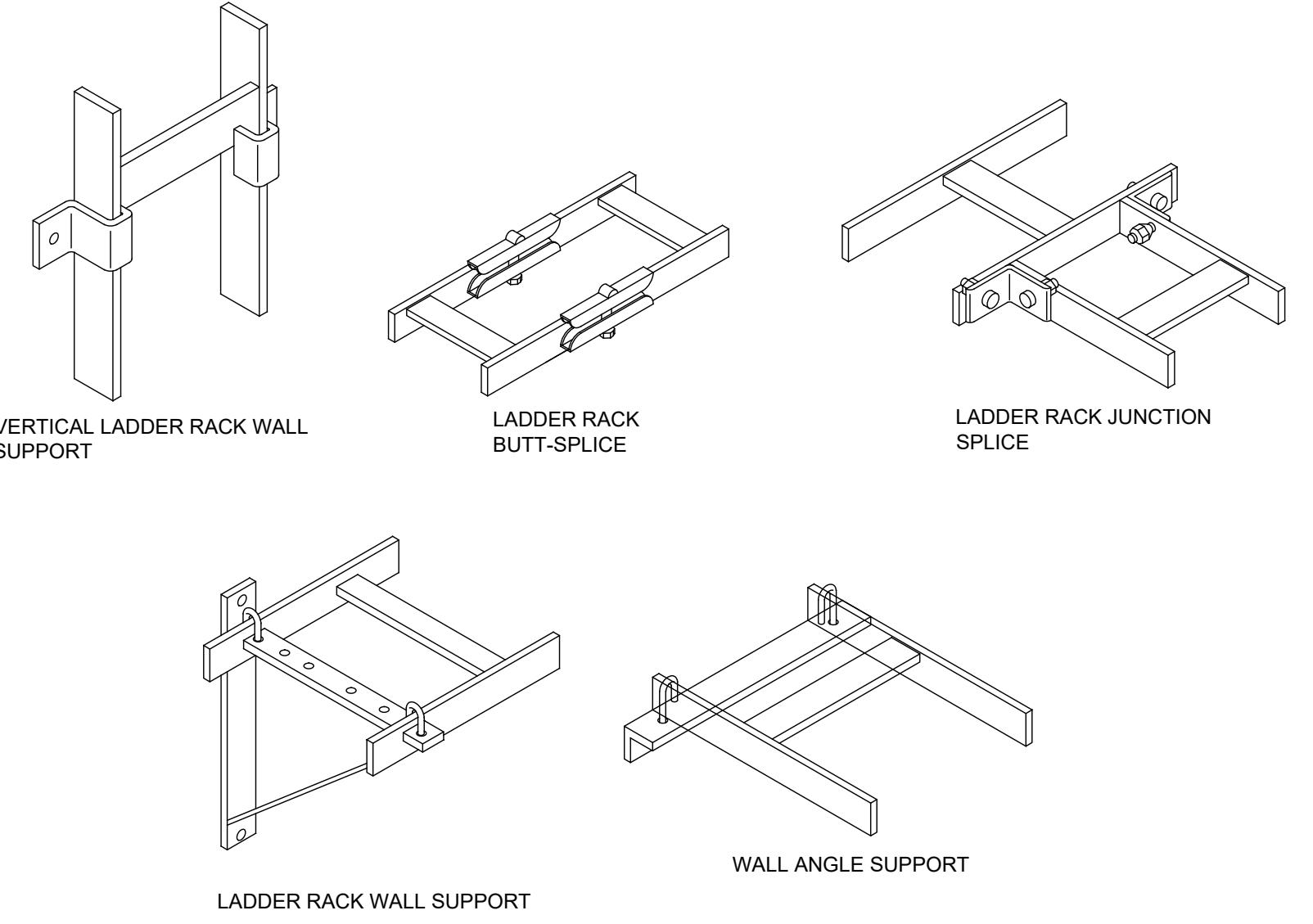
Scale: NTS

AUDIO/VIDEO LADDER SUMMARY:

ALL NECESSARY CABLE LADDER RACK MUST BE PROVIDED TO PROPERLY SUPPORT ALL CABLING ENTERING AND EXITING THE RACKS. ALL LADDER RACK MUST BE BLACK IN COLOR UNLESS OTHERWISE NOTED. MATCH EXISTING CABLE LADDER RACK WHEN POSSIBLE.

LADDER RACK MUST BE A MINIMUM OF 4" HIGHER THAN THE TALLEST EQUIPMENT RACK.

SEE SPECIFICATION DOCUMENT FOR FURTHER LADDER INFORMATION.


3 AUDIO/VIDEO LADDER SUMMARY

Scale: NTS

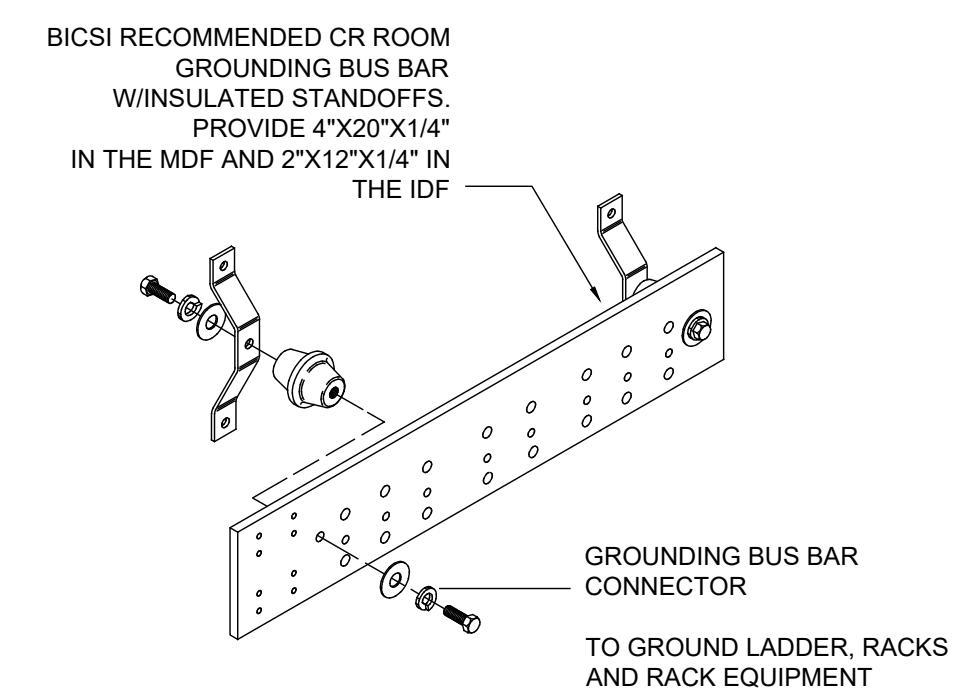
AUDIO/VIDEO POWER & GROUNDING SUMMARY:

ALL RECEPTACLES SHALL CONTAIN AN ISOLATED GROUND. EACH CIRCUITED OUTLET FOR AUDIO AND VIDEO SYSTEMS SHOULD HAVE ITS OWN DEDICATED PHASE, NEUTRAL, AND ISOLATED GROUND CONDUCTORS. HOME RUN TO THE PANEL FROM WHICH IT IS FED. THE ISOLATED GROUND BUS SHOULD BE EXTENDED TO EACH OF THESE LOCATIONS.

THE AUDIO/VIDEO POWER & GROUNDING SYSTEM ARCHITECTURE REQUIRES A SEPARATELY DERIVED 240/120 VAC SINGLE PHASE SYSTEM. THE TRANSFORMER THAT DERIVES THE SYSTEM SHOULD BE A HIGH QUALITY ISOLATION TRANSFORMER WITH TWO FARADAY SHIELDS, AND THE TRANSFORMER SHOULD BE LOCATED SUCH THAT THE SYSTEM CAN BE BONDED TO A GOOD EARTH GROUND BY MEANS OF A VERY SHORT CONDUCTOR. A STAR-CONNECTED GROUND SYSTEM IS TYPICAL.

A SEPARATELY DERIVED 120/208 VAC 3-PHASE SYSTEM SHOULD FEED A SEPARATE DISCONNECT SWITCH POWERED FROM EITHER THE SAME OR AN ADDITIONAL 3-PHASE SYSTEM AT EACH OF THE 3-PHASE LOCATIONS. WIRING THAT IS SHARED BETWEEN OUTLETS PROVIDES A COMMON IMPEDANCE BY WHICH NOISE CAN BE COUPLED FROM ONE PIECE OF EQUIPMENT TO ANOTHER.

SEE SPECIFICATION DOCUMENT FOR FURTHER GROUNDING INFORMATION.


5 AUDIO/VIDEO POWER & GROUNDING SUMMARY

Scale: NTS

AUDIO/VIDEO LABELING SUMMARY:

PROVIDE EACH TERMINAL STRIP WITH A UNIQUE DESCRIPTOR AND A NUMERICAL DESIGNATOR FOR EACH TERMINAL. SHOW TERMINAL STRIP DESCRIPTOR AND DESIGNATOR ON SYSTEM SCHEMATIC DRAWINGS. PROVIDE LOGICAL AND LEGIBLE CABLE AND WIRING LABELS PERMANENTLY AFFIXED FOR EASY IDENTIFICATION.

LABELS ON CABLES TO BE ADHESIVE STRIP TYPE COVERED WITH CLEAR HEAT-SHRINK TUBING. FACTORY STAMPED HEAT SHRINK TUBING MAY BE USED IN LIEU OF THE ADHESIVE STRIP STYLE.

WIRING DESIGNATOR TO BE AN ALPHA-NUMERIC CODE UNIQUE FOR EACH CABLE. ACTUAL CABLE DESIGNATION ASSIGNMENTS TO BE DETERMINED BY CONTRACTOR. ADD CABLE DESIGNATOR CODES TO MATCH SYSTEM SCHEMATIC DRAWINGS. LOCATE THE CABLE DESIGNATOR AT THE ORIGINATION AND DESTINATION OF EACH CIRCUIT WITHIN 3 INCHES OF THE POINT OF TERMINATION OR CONNECTION. PROVIDE CABLE DESIGNATOR ON CIRCUITS WITH INTERMEDIATE SPLICE POINTS WITH AN ADDITIONAL SUFFIX TO INDICATE EACH SEGMENT.

SEE SPECIFICATION DOCUMENT FOR FURTHER LABELING INFORMATION.

Labels on cables to be adhesive strip type covered with clear heat-shrink tubing. Factory stamped heat shrink tubing may be used in lieu of the adhesive strip style.

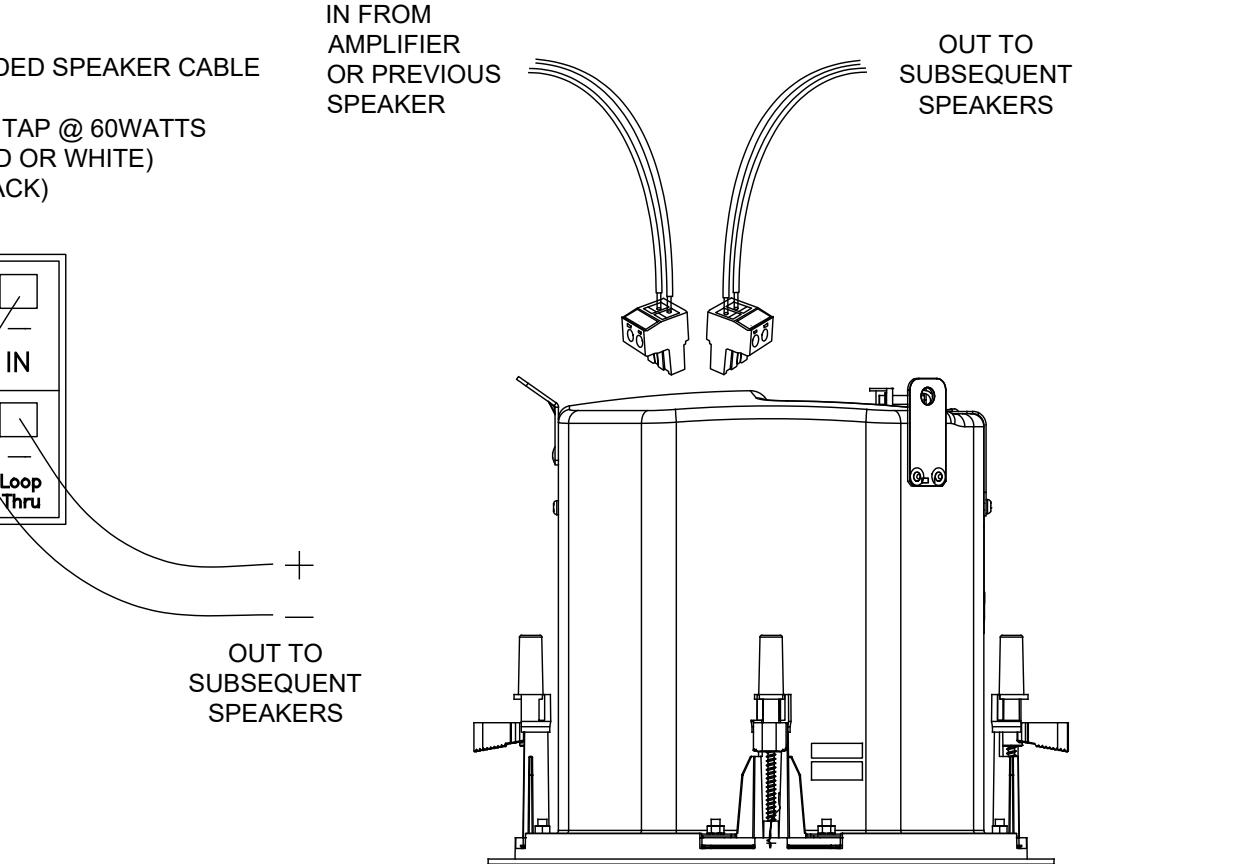
Wiring designator to be an alpha-numeric code unique for each cable. Actual cable designation assignments to be determined by contractor. Add cable designation codes to match system schematic drawings. Locate the cable designator at the origination and destination of each circuit within 3 inches of the point of termination or connection. Provide cable designator on circuits with intermediate splice points with an additional suffix to indicate each segment.

See specification document for further labeling information.

2 AUDIO/VIDEO LABELING SUMMARY

Scale: NTS

HORIZONTAL CABLEING

PATHWAYS

4 AUDIO/VIDEO TYPICAL SPEAKER INSTALLATION SUMMARY

Scale: NTS

AUDIO/VIDEO CABLE AND WIRING SUMMARY:
CABLE SHALL BE RUN IN CONDUIT PER MGM STANDARDS.

INSTALL CABLE IN A MANNER TO ADHERE TO MANUFACTURER'S SPECIFICATIONS FOR MAXIMUM CABLE PULLING TENSION, MINIMUM BEND RADIUS, AND RESTRICTIONS. PROVIDE APPROPRIATE SUPPORT AT ALL HORIZONTAL-TO-VERTICAL TRANSITIONS IN ORDER TO KEEP THE WEIGHT OF THE CABLE FROM DEGRADING AT THE POINT OF TRANSITION. CABLE SHALL BE INSTALLED ABOVE FIRE, SPEAKER SYSTEMS AND SHALL NOT BE ATTACHED TO THE SYSTEM. ANY ANCILLARY EQUIPMENT OR CABLES SHALL NOT BE ATTACHED TO THE CABLE. THE CABLE SYSTEM AND ANY CABLES SHALL NOT BE ATTACHED TO CEILING GRID OR LIGHTING FIXTURE WIRES. WHERE SUPPORT FOR HORIZONTAL CABLE IS REQUIRED, INSTALL APPROPRIATE CARRIERS TO SUPPORT THE CABLING.

ISOLATE CABLES AND WIRES OF DIFFERENT SIGNALS OR DIFFERENT LEVELS, AND SEPARATE, ORGANIZE, AND ROUTE TO RESTRICT CHANNEL CROSS-TALK OR FEEDBACK OSCILLATION IN ANY AMPLIFIER SECTION. KEEP WIRES SEPARATED INTO GROUPS FOR MICROPHONE LEVEL CIRCUITS, LINE LEVEL CIRCUITS, LOUDSPEAKER CIRCUITS, AND POWER CIRCUITS.

IF CABLE TRAY IS PRESENT DURING INSTALLATION CONDUITS MUST BE TIED DIRECTLY TO TRAY.

ANY CABLE DAMAGED, PAINTED OR EXCEEDING RECOMMENDED INSTALLATION PARAMETERS DURING INSTALLATION WILL BE VOIDED BY MANUFACTURE WARRANTY AND SHALL BE REPLACED PRIOR TO FINAL ACCEPTANCE AT NO COST TO THE OWNER.

SEE SPECIFICATION DOCUMENT FOR FURTHER CABLEING AND WIRING INFORMATION.

6 AUDIO/VIDEO CABLEING AND WIRING SUMMARY

Scale: NTS

BCSI RECOMMENDED CR ROOM GROUNDING BUS BAR WINNERS STANDOFFS. PROVIDE 4"X20"X1/4" IN THE MDF AND 2"X12"X1/4" IN THE IDF

GROUNDED STANDOFFS

TO GROUND LADDER RACKS AND RACK EQUIPMENT

TO GROUND LADDER RACKS AND RACK EQUIPMENT



BERGMAN WALLS &
ASSOCIATES

799 VALLE VERDE COURT
HENEDIN, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE
PROJECT SHALL REMAIN THE PROPERTY OF THE
ARCHITECT AND BERGMAN WALLS & ASSOCIATES
LTD. NO COPIES OR PARTS THEREOF MAY BE MADE
ON ANY OTHER PROJECT OR FOR COMPETITION OR THIS
PROJECT WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS &
ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION.

SEAL:

CONSULTANT:



DEFINING DESIGN DELIVER

6955 N Durango Dr, Suite 115-381

Las Vegas, Nevada 89149

07021265 5700

Mike@D3Strategic.com

OWNER:



MGM RESORTS
INTERNATIONAL

3260 Industrial Road, Las Vegas,
NV 89109

702.692.9622 Phone 702.862.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
AHC - CATCH PROJECT

REVISIONS:

No. Date Description

03.16.18 PERMIT ISSUE

**6.2.2 (Continued)**

Labels describing backbone fiber optic cables at their termination points shall indicate the connector panel position index, number of strands in the cable, fiber type, and the telecom room name of the destination of the cable in the following form: "[Connector Panel Position Index] [Strand Count] [Fiber Type] to [Destination]". For example: "(A) 24 MM to CR13". If the fiber optic cable occupies two adjacent connector panels, the connector panel position index will contain two letters separated by a comma. For example: "(A,B) 24 MM to CR13". If the fiber optic cable occupies 3 or more adjacent connector panels, the connector panel position index will contain the first and last letter separated by a dash. For example: "(A-D) 48 MM to CR13". If two or more different fiber optic cable runs occupy one connector panel, each cable run will be separated by commas. For example: "(A) 6 MM to CR13, 6 MM to CR14".

If all strands of the cable being described are spliced to another fiber optic cable, the label shall indicate the above information with an added description in the form of "[Spliced Thru [Location 1], [Location 2],...], with the splice locations being listed in order from origin to destination. For example: "(A,B) 24 SM To Excalibur CR01 (Spliced Thru CR05, Excalibur CR23).

If some, but not all strands of the cable being described are spliced to another fiber optic cable, the label shall indicate the above information with an added description in the form of "[Strands X-Y Spliced To [Destination] Thru [Location 1], [Location 2],...], where X, Y are the strand numbers and the splice locations being listed in order from origin to destination. For example: "Strands 25-48 Spliced To NYNY CR0 Thru CR23, NYNY CR08". If the rear ports of one or more couplers in a connector panel are not being used, or if one or more strands are not terminated or have been classified as "bad", a label describing the situation shall be placed directly to the right of the existing label. This does not apply when a label describing a splice has been used. For example: "Ports 13-24 Not Used", "Strands 19-24 Inside Housing 2", "Strands 11,12 Bad", "Strands 7-12 Not Terminated", "Strands 5,6 Inside Panel D".

Labels describing horizontal fiber optic cables shall indicate the connector panel position index, as well as the originating telecom room name and sequential cable number with one "dash" separating the two followed by the number of strands and fiber type in parenthesis. For example: "(A) TR23-001 (6 SM)". If two or more different fiber optic cable runs occupy one connector panel, each cable run will be separated by commas. For example: "(A) TR23-001 (4 SM), TR23-002 (4 SM)".

Labels describing partial cable splices contained in splice trays are to be installed directly to the right of the label that describes the cable being spliced unless otherwise noted. The label shall indicate the strand numbers that are being removed from the connector panel(s) for the splice and the destination of the next event occurring on the strands whether it is another splice or a termination. For example: "Strands 25-48 Spliced To NYNY CR08", "Strands 11,12 Spliced To CR23", "Strands 5,6 Spliced To DAS Equipment".



January 23, 2017

6.2.2 (Continued)

Labels describing complete cable splices contained in splice trays shall be located in the upper right corner, and indicate the number of strands in the cable, fiber type, and the location of the next event occurring on the strands coming from the origin and going to the destination whether they are another splice or a termination. For example: "12 SM Spliced From CR07 To CR14".

Labels describing partial and complete cable splices contained inside a cassette which occupies an indexed slot in the fiber housing shall be placed along with the labels on the housing cover describing the cables terminated inside the housing. The label shall indicate the connector panel position index as well as the splice information in the format stated in the above two paragraphs. For example: "(D) 4 SM Spliced From CR07 To CR14". An additional label shall also be placed on the blank connector panel covering the splice cassette. The information stated on this label shall be same as the label on the housing cover with the connector panel position index and parenthesis omitted. For example: "4 SM Spliced From CR07 To CR14".

6.2.3 Spice Trays/Cassettes

All labels installed shall be clearly visible and match the corresponding label on the housing in which the splice resides.

Labels describing partial cable splices shall indicate the strand number(s) that are being removed from the connector panel(s) for the splice and the final destination of the strands being spliced. For example: "Strands 1-6 Spliced To DAS Equipment", "Strands 11-12 Spliced To CR23", "Strand 6 Spliced For AV".

Labels describing complete cable splices shall indicate the number of strands in the cable, fiber type, and the telecom room name of the origin and destination of the cable. For example: "12 SM Spliced From CR07 To CR14".

6.2.4 XLBET Frames

XLBET frame labels are to be installed on front base plate of the frame. If the frame contains both feeder and equipment cables, the label shall display "FEEDER/EQUIP". If the frame contains only equipment or station cables, the label shall display either "EQUIPMENT" or "STATION". If the frame contains both equipment and station cables, the label shall display "EQUIP/STATION".

6.2.5 Towers

Tower labels are to be installed on the wire duct at the bottom of each column. In the event a wire duct will not be used, the label is to be installed on the wall underneath the last field termination kit in the column. If the column contains both feeder and equipment cables, the label shall display "FEEDER/EQUIP". If the column contains only equipment or station cables, the label shall display either "EQUIPMENT" or "STATION". If the column contains both equipment and station cables, the label shall display "EQUIP/STATION".



January 23, 2017

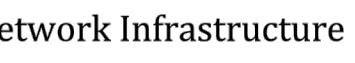
6.3.1 (Continued)

Labels installed on mounting surfaces without faceplates that contain only one row of jacks shall be located directly above the jack(s). If there are two rows of jacks, the label describing the top row shall be located above the jack(s) and the label describing the bottom row shall be located below the jack(s). See figure 2.12 in Appendix B for example.

Labels installed on floor boxes that do not contain faceplates or other suitable mounting surfaces are to be installed on the underside of the cover. If the cover is a flip-up style, the label is to be installed so that when the lid is open, the label describing the jack(s) matches the orientation of the jack(s) that are installed in the floor box. See figure 2.9 in Appendix B for example. If the cover is a screw on style, the label is to be installed on the underside of the outer ring, and when being read, the label describing the jack(s) matches the orientation of the jack(s) that are installed in the floor box.

6.3.2 Connector Housings

All labeling of fiber and copper connector housings requires coordination with ITIA.



January 23, 2017

7. Testing**7.1 Backbone Fiber**

All terminated backbone fiber optic cables shall be tested using the manufacturer's specifications to certify the cable as warranted.

7.2 Horizontal fiber

All terminated horizontal fiber optic cables shall be tested using the manufacturer's specifications to certify the cable as warranted.

7.3 Fiber Optic Splices

All splices performed on fiber optic cables shall be tested using the manufacturer's specifications to certify the cable as warranted.

7.4 Horizontal copper

All terminated horizontal copper cables shall be tested as permanent link using the manufacturer's specifications to certify the cable as warranted. When testing, the main unit must always be in the telecom room and the remote unit must always be at the work area outlet.

7.5 Documentation

All terminated cabling and/or terminations of cabling must go through the manufacturer's warranty process. ITIA must be CC'd when any warranty documentation is submitted to the manufacturer. All tests results must be submitted to ITIA in the Fluke ".flw" format. All failed/marginal pass test results must be resolved prior to submission.



January 23, 2017



January 23, 2017

8. Demolition**8.1 Work Area Outlets**

If any work area outlet is removed, ITIA must be notified. If the parts are reusable, they must be returned to inventory for future use.

8.2 Within Telecom Room

All inactive cross-connects are to be removed and discarded. All inactive patch cords/fiber jumpers are to be removed and stored for future use. When a cross-connected work area outlet has been removed, the associated cross-connect must be removed and discarded. If it was connected to equipment via a patch cord, that patch cord is to be removed and stored for future use.

All horizontal cables that have been back-pulled into a telecom room are to be removed completely from the termination field/patch panel and discarded.

8.3 Documentation

All changes to cross-connects/patching must be reflected in the appropriate cross-connect/fiber in use document.

If any work area outlet is cut off and the existing horizontal cable is left in the existing box and blanked off, a location drawing meeting the requirements of section 4.3 must be submitted to ITIA, so the appropriate drawing can be updated.

If any work area outlet and horizontal cable is completely removed, a location drawing meeting the requirements of section 4.3 must be submitted to ITIA, so the appropriate drawing can be updated.

9. Maintenance & Housekeeping in Telecom Rooms**9.1 Best Practices While Working in Telecom Rooms.**

- Keep the room clean and free from trash and debris at all times.
- A trash bag (not full) shall be located in the room.
- No eating or drinking is permitted.
- No furniture is to be stored in the room.
- Temporary objects (ladders, pallets, etc.) cannot be leaning on any equipment.
- A roll of 4 pair cross connect should be readily available for use.
- All wire manager covers, if available, are to be installed/reinstalled once work is completed.
- All cabinet doors, if available, are to be installed, closed, and locked unless work is being performed.
- Fiber housing doors/covers shall be closed at all times unless work is being performed.
- All labeling in the room shall be accurate and conform to the ITIA labeling standards.
- Property Ops/ITIA is to be notified when base building elements (cooling, lighting, power, etc.) are not functioning correctly in the room, when other departments are storing unessential objects in the room, and if the room is in a state of disrepair. For example, there are missing ceiling tiles or fire stopping has fallen out of conduits.
- All inactive cross-connects are to be removed and discarded. All inactive patch cords/fiber jumpers are to be removed and stored for future use. When a cross-connect/patch cord is removed, the appropriate cross-connect document must be updated. When a fiber jumper is removed, and the number of available strands of backbone fiber is affected, the appropriate fiber in use document must be updated.

10. Revision History**10.1 Revision Log**

No. Date Description

03.16.18 PERMIT ISSUE

[REVISIONS]



BERGMAN WALLS & ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE SERVICES RENDERED BY THE ARCHITECT FOR THIS PROJECT SHALL REMAIN THE PROPERTY OF THE ARCHITECT, AND SHALL NOT BE COPIED OR USED ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS PROJECT, WITHOUT THE WRITTEN CONSENT OF BERGMAN, WALLS & ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION.

SEAL:

CONSULTANT:



D3, INC.
DEFINE DESIGN DELIVER
6955 N. Durango Dr., Suite 115-281
Las Vegas, Nevada 89149
702.921.5765, 5700
Mike@D3Strategic.com



MGM RESORTS
INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone 702.862.1750 Fax

OWNER:
Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
AHC - CATCH
PROJECT:

REVISIONS:
No. Date Description

03.16.18 PERMIT ISSUE

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes at any time. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the written consent of Joyen M. Vail, R.A. Written dimensions on these plans are in inches. All dimensions are in inches unless otherwise specified.

© COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:

NETWORK
INFRASTRUCTURE
IMPLEMENTATION &
MANAGEMENT
REQUIREMENTS

All dimensions, levels, layouts and field conditions shall be verified
and checked by the architect before proceeding with the work.

MRID Project No. 17026

Consultant Project No. 17050

Date: 03/16/18

Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.

File Name: ELV000.06

PERMIT ISSUE

10. Appendix A. - Diagrams

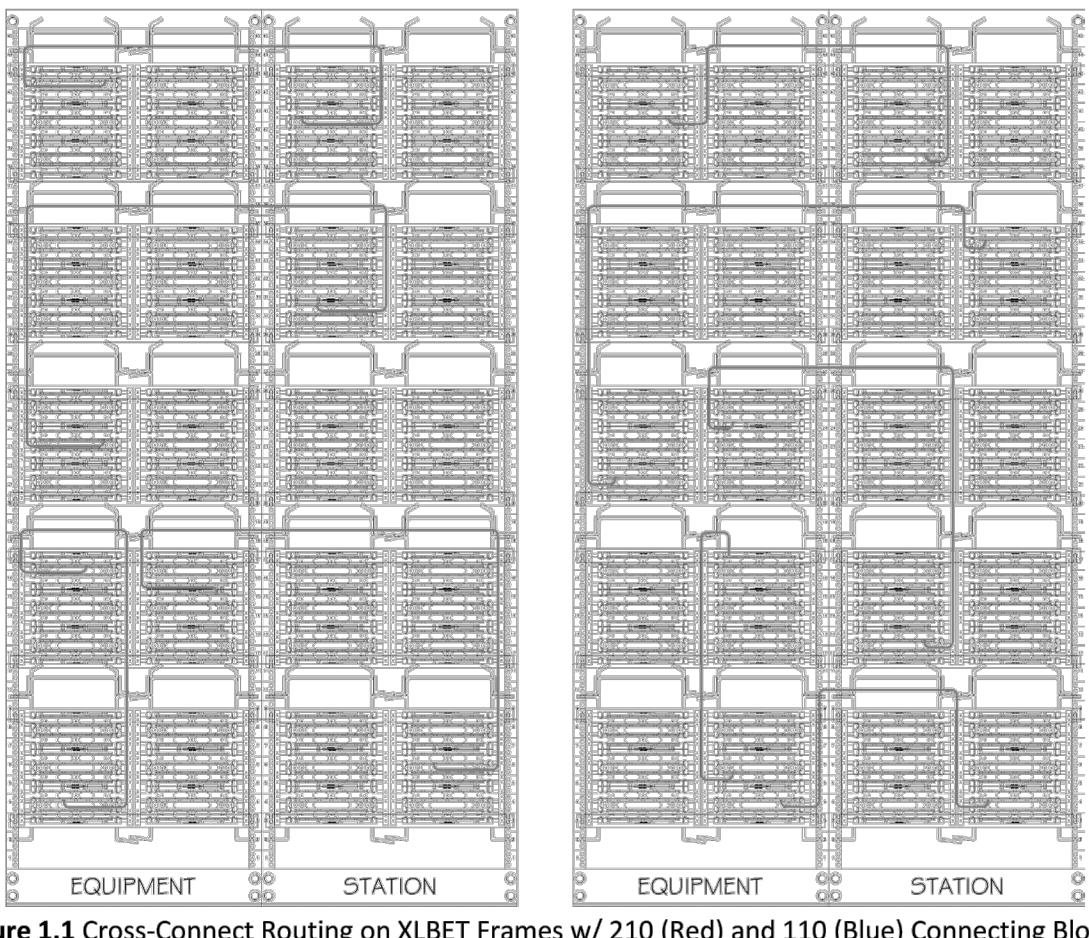


Figure 1.1 Cross-Connect Routing on XLBET Frames w/ 210 (Red) and 110 (Blue) Connecting Blocks.

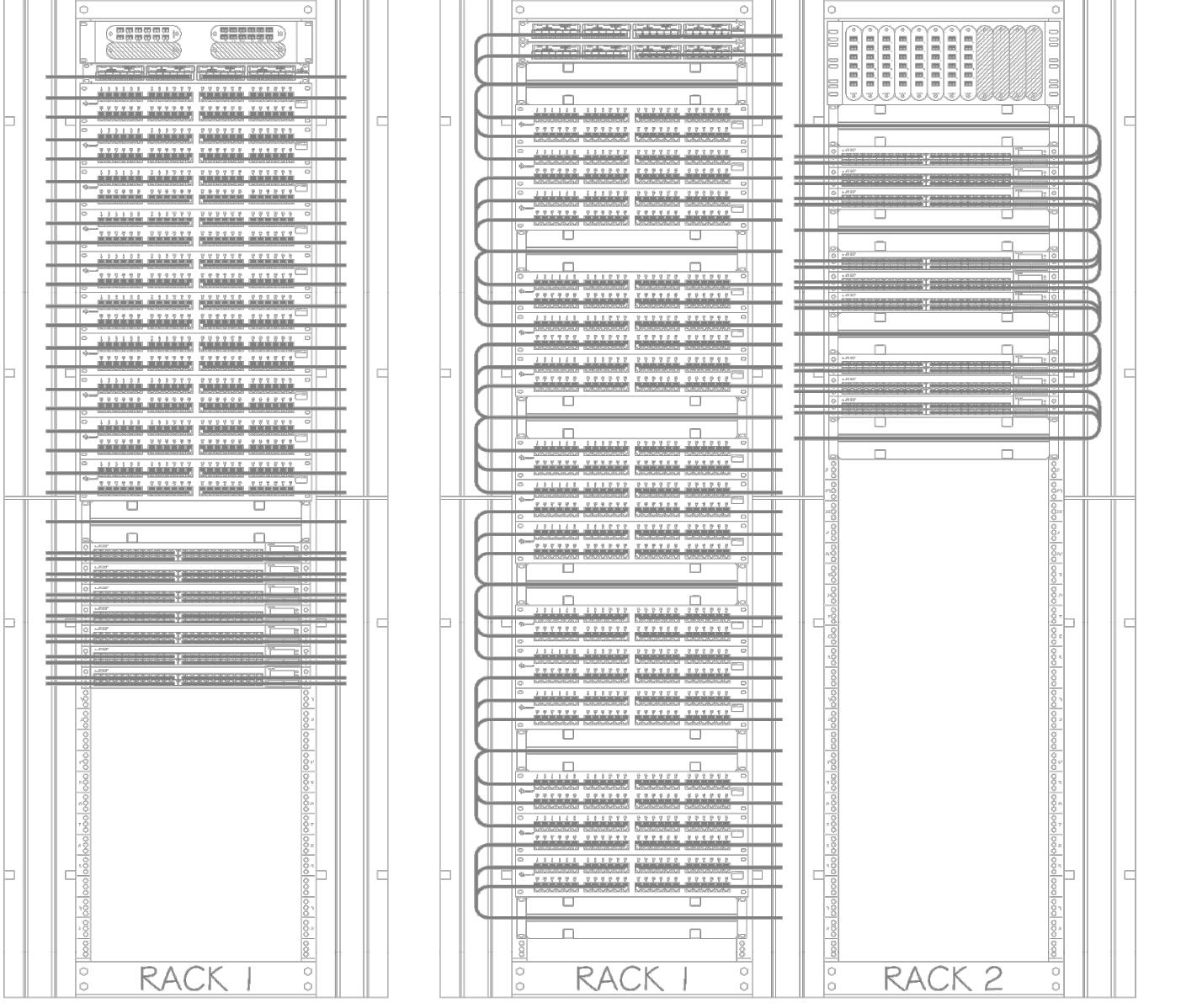


Figure 1.3 Patch Cable Routing for Single and Double Rack Designs.

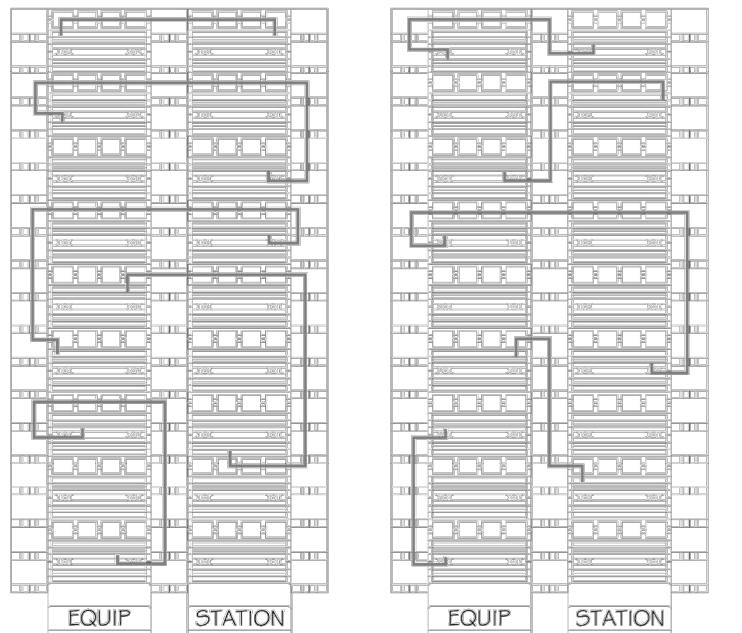


Figure 1.2 Cross-Connect Routing on Towers w/ 210 (Red) and 110 (Blue) Connecting Blocks.



January 23, 2017



January 23, 2017

11. Appendix B. - Labeling Examples



Figure 2.1 Backbone Copper Cable.

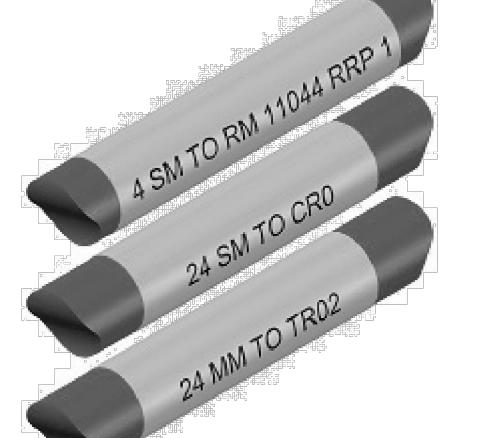


Figure 2.2 Backbone Fiber Cables.

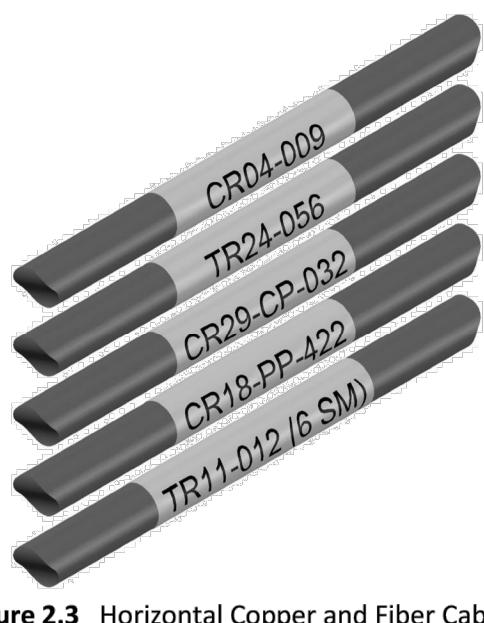


Figure 2.3 Horizontal Copper and Fiber Cables.



Figure 2.4 Equipment Cables.

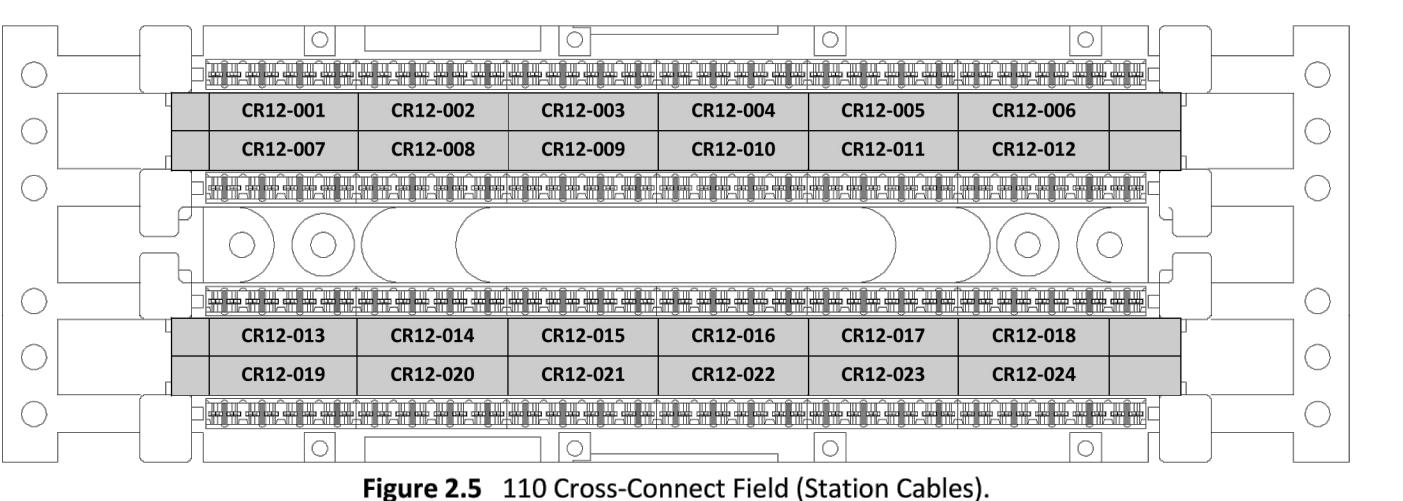


Figure 2.5 110 Cross-Connect Field (Station Cables).

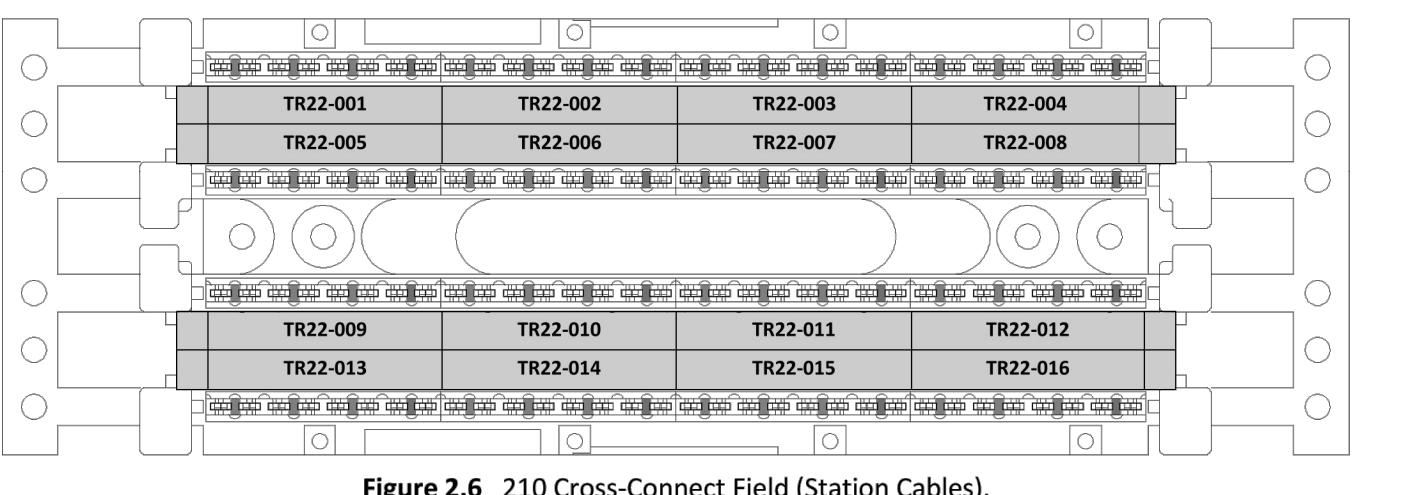


Figure 2.6 210 Cross-Connect Field (Station Cables).

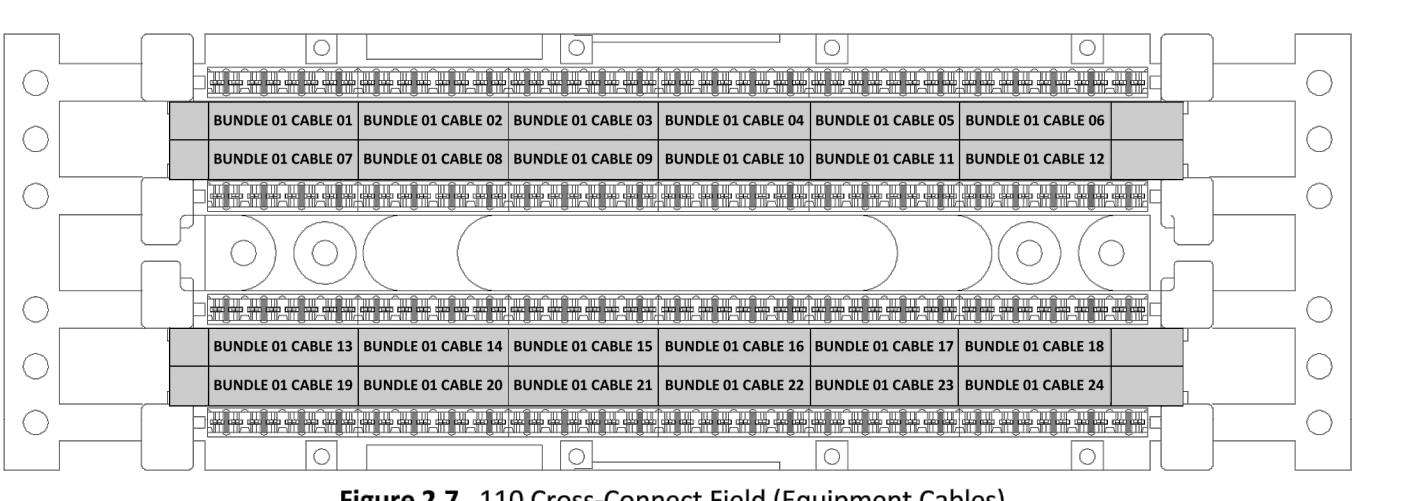


Figure 2.7 110 Cross-Connect Field (Equipment Cables).

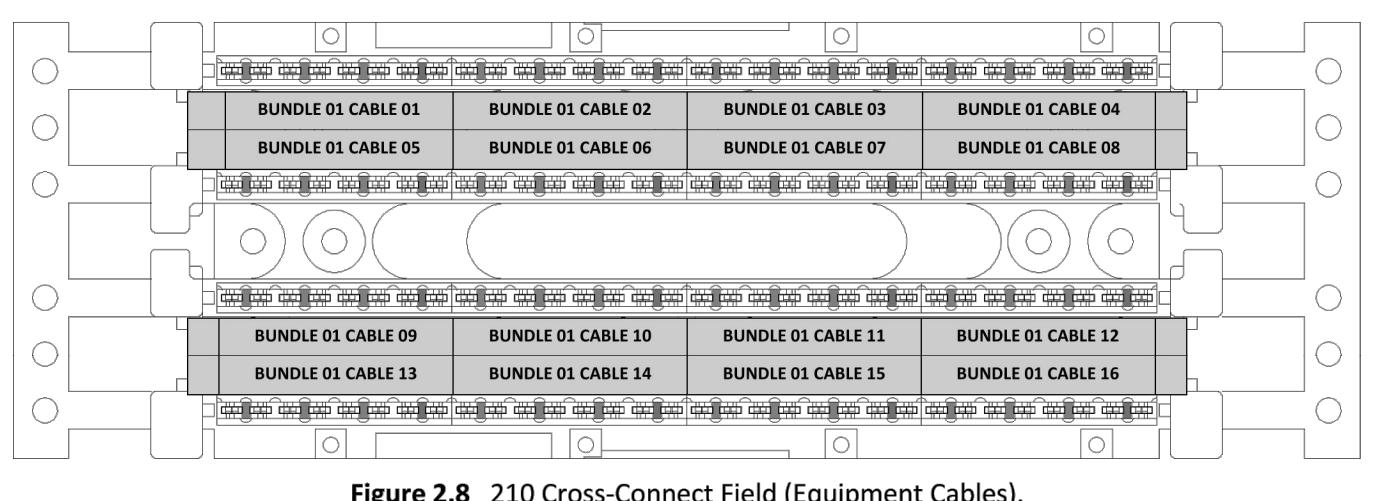


Figure 2.8 210 Cross-Connect Field (Equipment Cables).

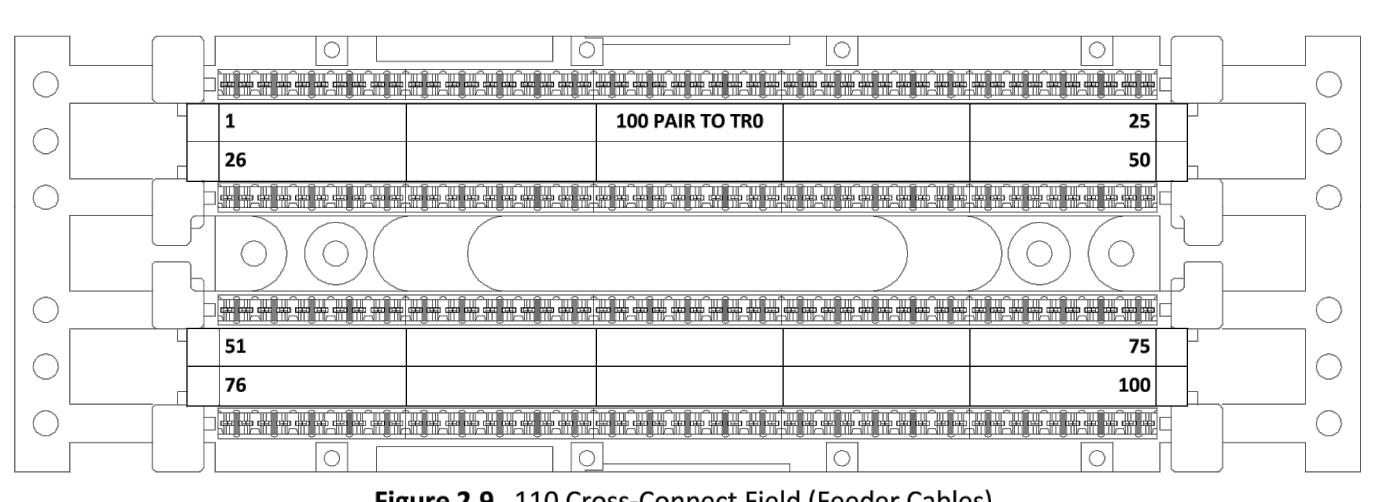


Figure 2.9 110 Cross-Connect Field (Feeder Cables).

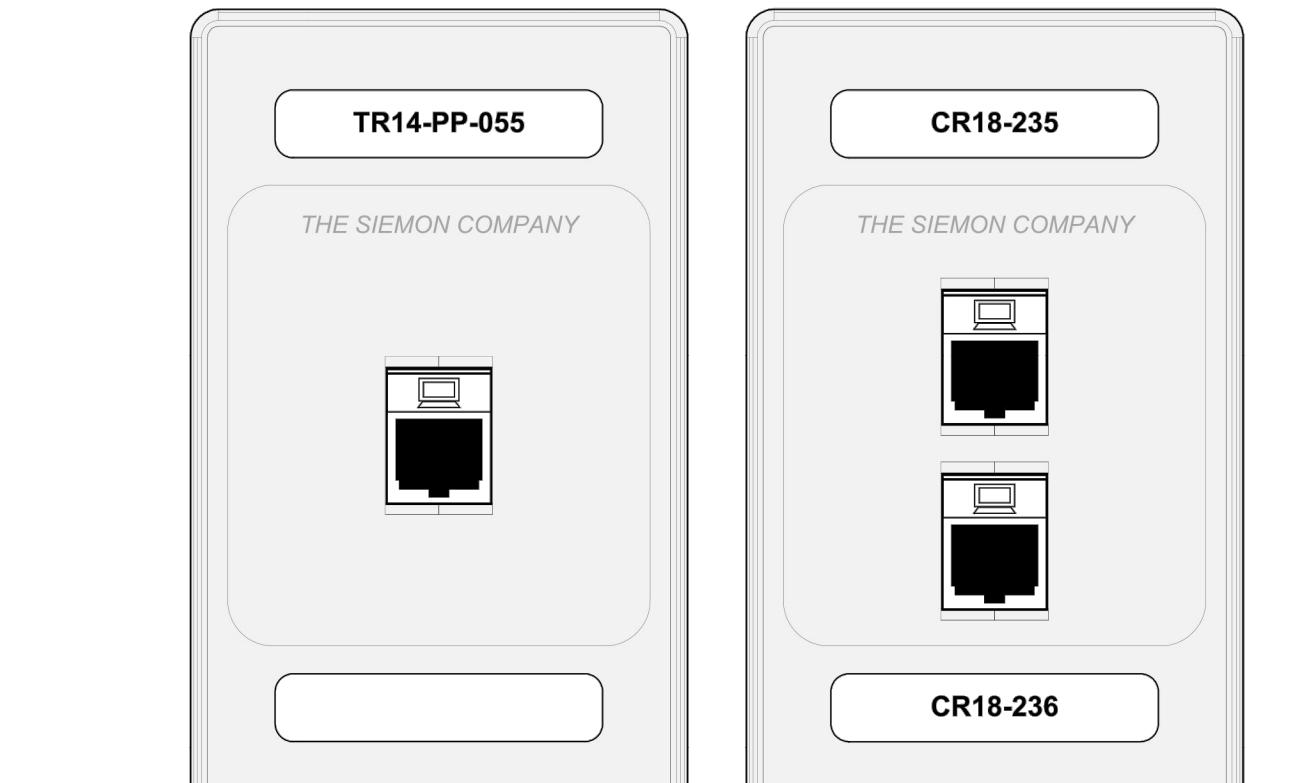


Figure 2.10 Standard Faceplates.



January 23, 2017



January 23, 2017



January 23, 2017



January 23, 2017

At this time, levels, layouts and field conditions shall be verified
and checked by the architect before proceeding with the work.

MRID Project No. 17026

Consultant Project No. 17050

Date: 03/16/18

Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.

File Name:

ELV000.06

PERMIT ISSUE



BERGMAN WALLS &
ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE
SERVICES RENDERED BY THE ARCHITECT FOR THIS
PROJECT ARE THE PROPERTY OF THE ARCHITECT AND ARE NOT TO BE COPIED
ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS
PROJECT, WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS &
ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION.

SEAL:

CONSULTANT:



D3, INC.
DEFINE DESIGN DELIVER
6955 N. Durango Dr., Suite 115-281
Las Vegas, Nevada 89149
(702) 212-5700
Mike@D3Strategic.com

OWNER:
MGM RESORTS
INTERNATIONAL™
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone, 702.662.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AHG - CATCH

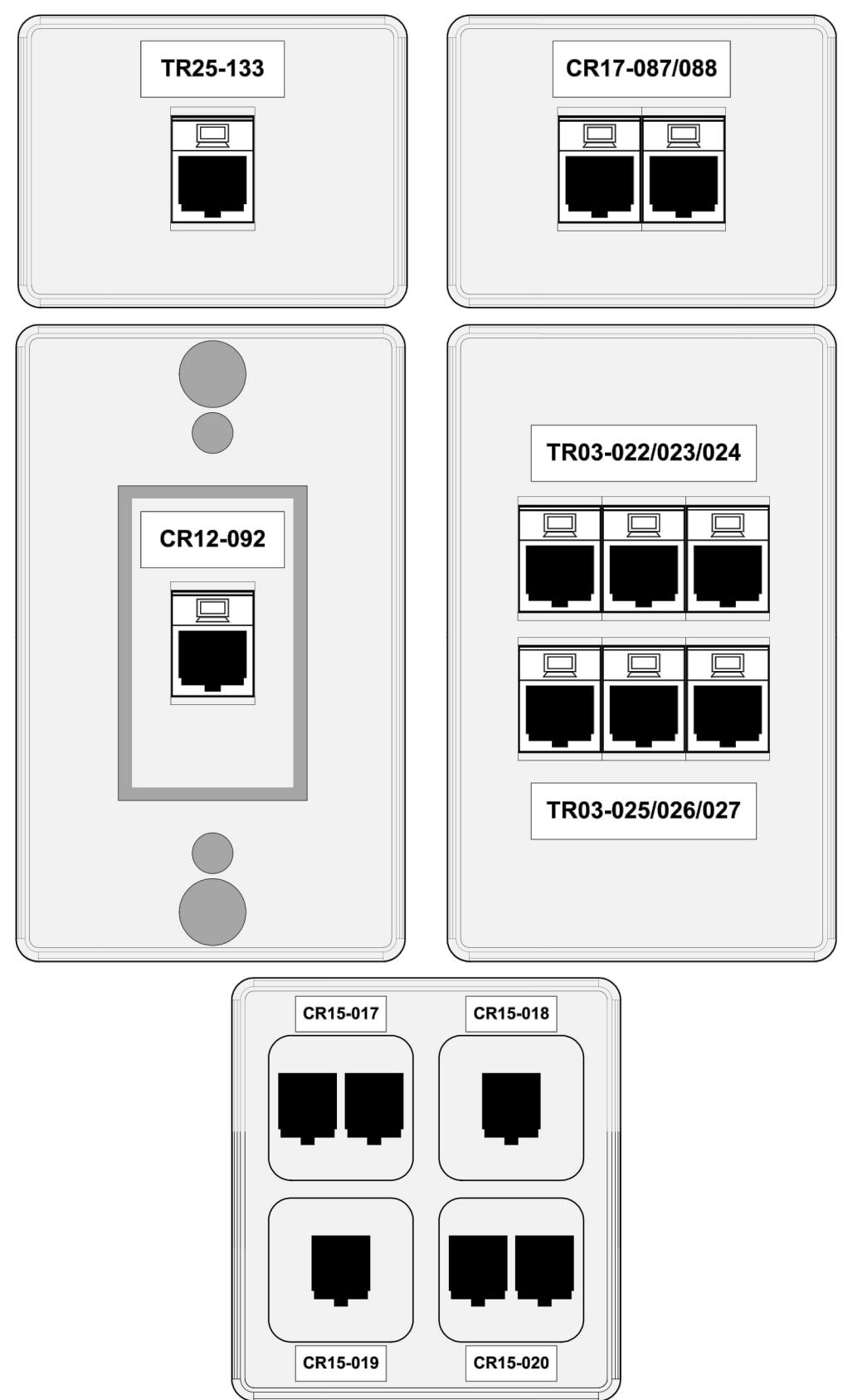


Figure 2.11 Non-standard Faceplates.

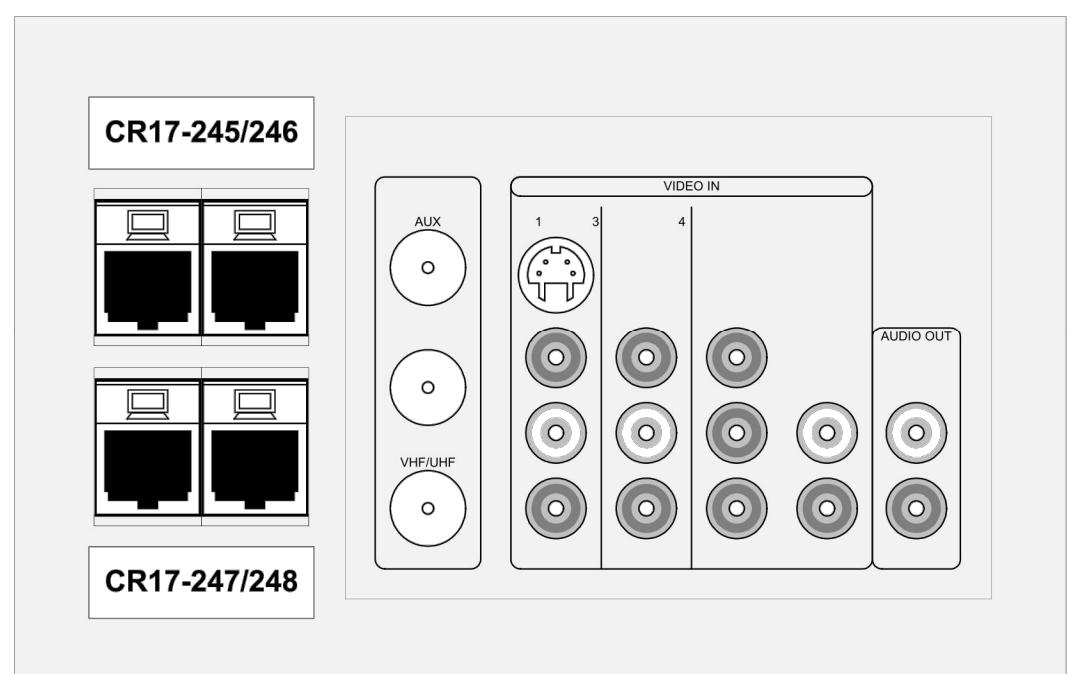


Figure 2.12 Mounting Surfaces Without Faceplates.

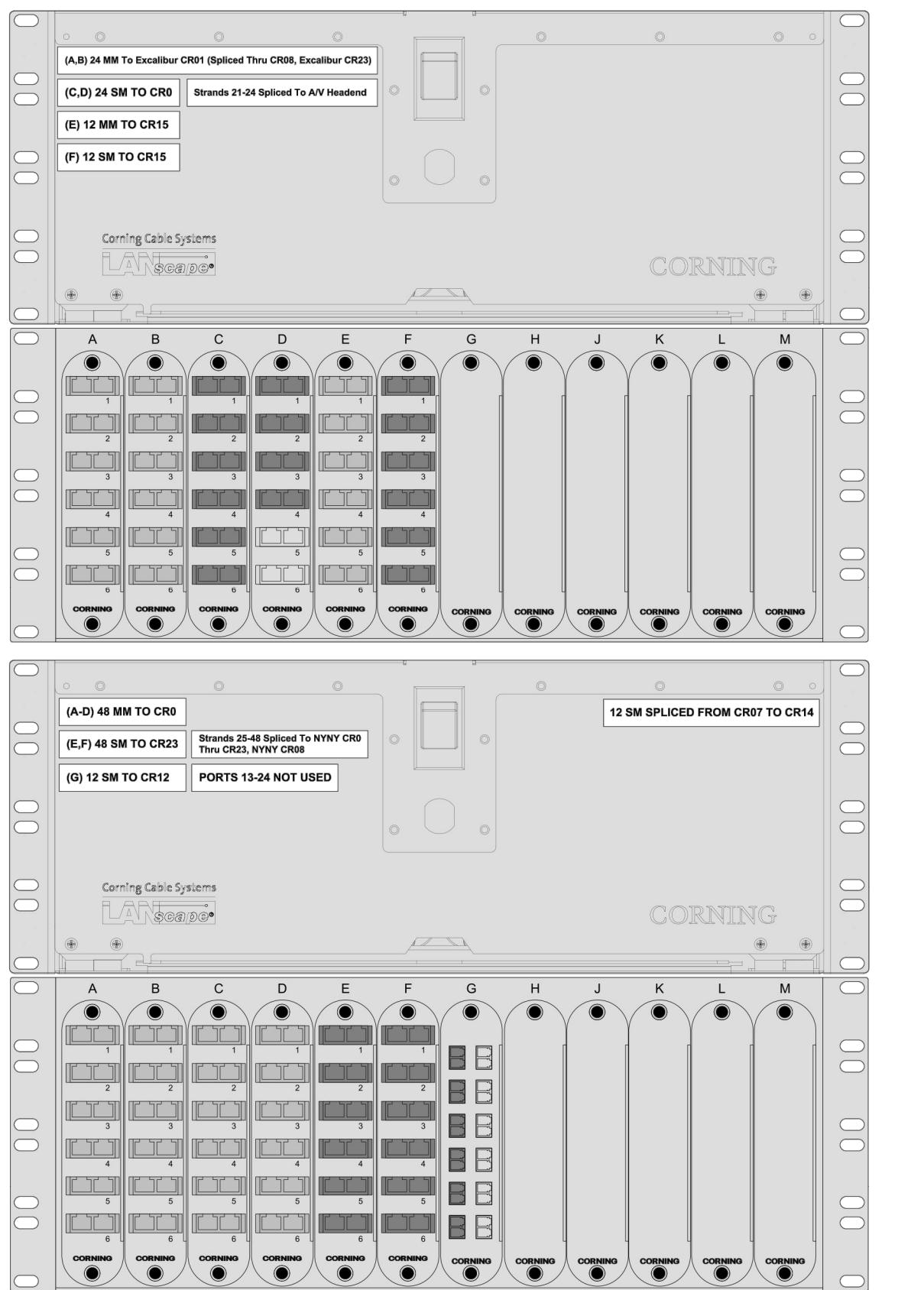


Figure 2.13 Floor Box With Flip-Up Lids.

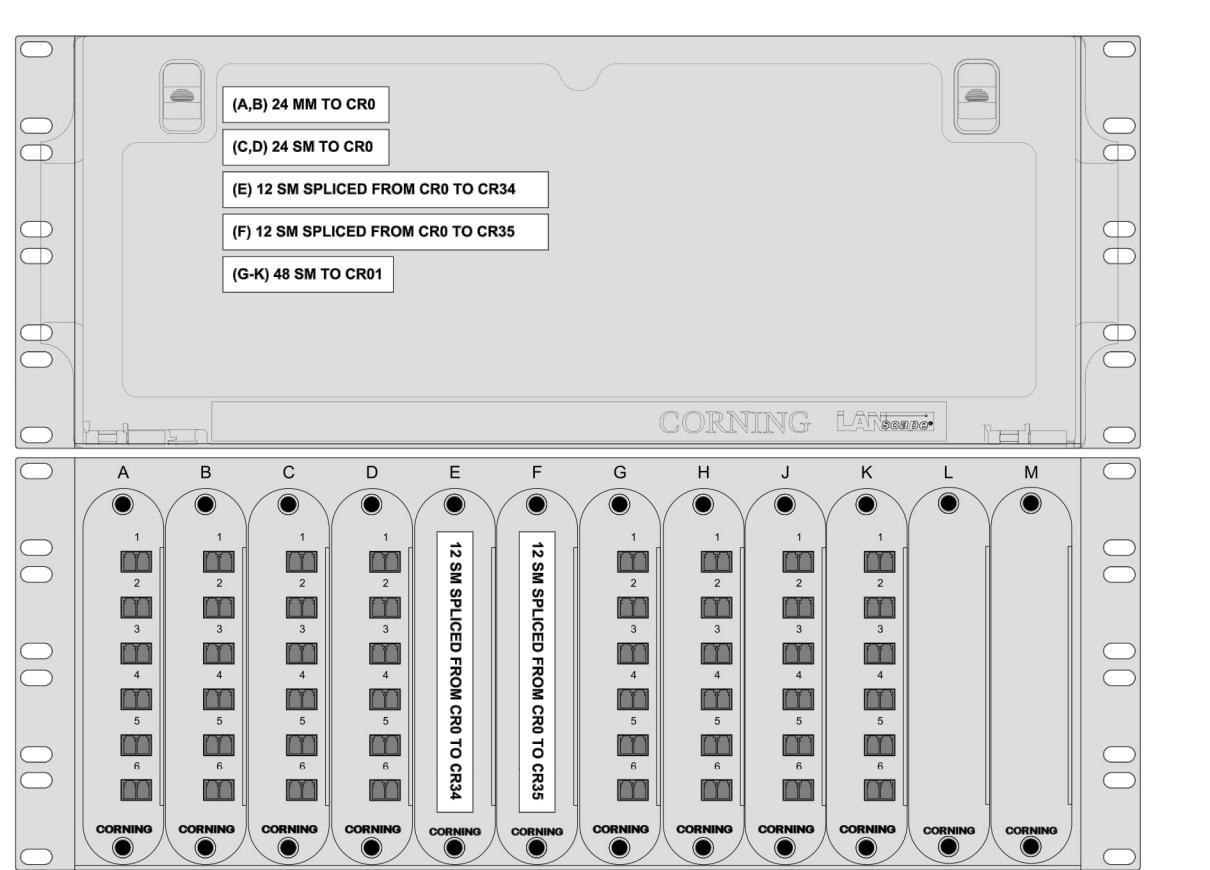


Figure 3.1 (Continued) Fiber Housings.

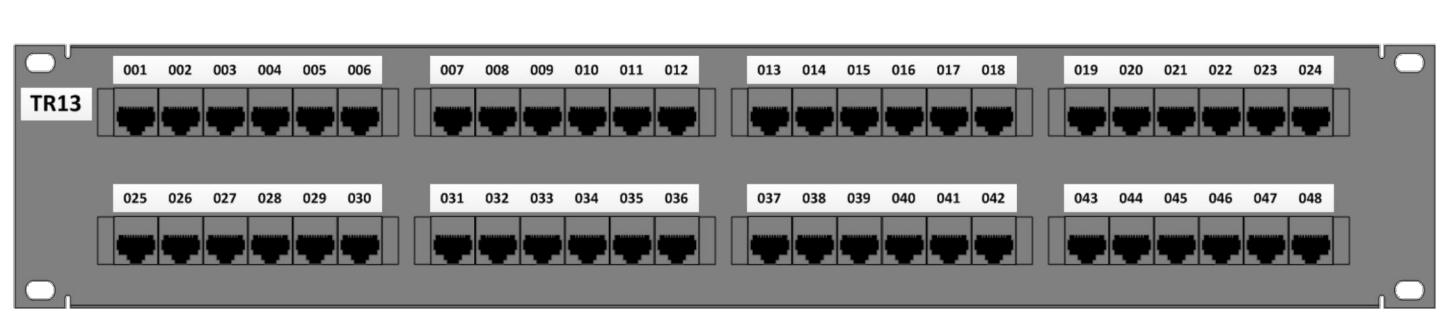


Figure 3.2 Patch Panels Terminating Horizontal Copper Cables.

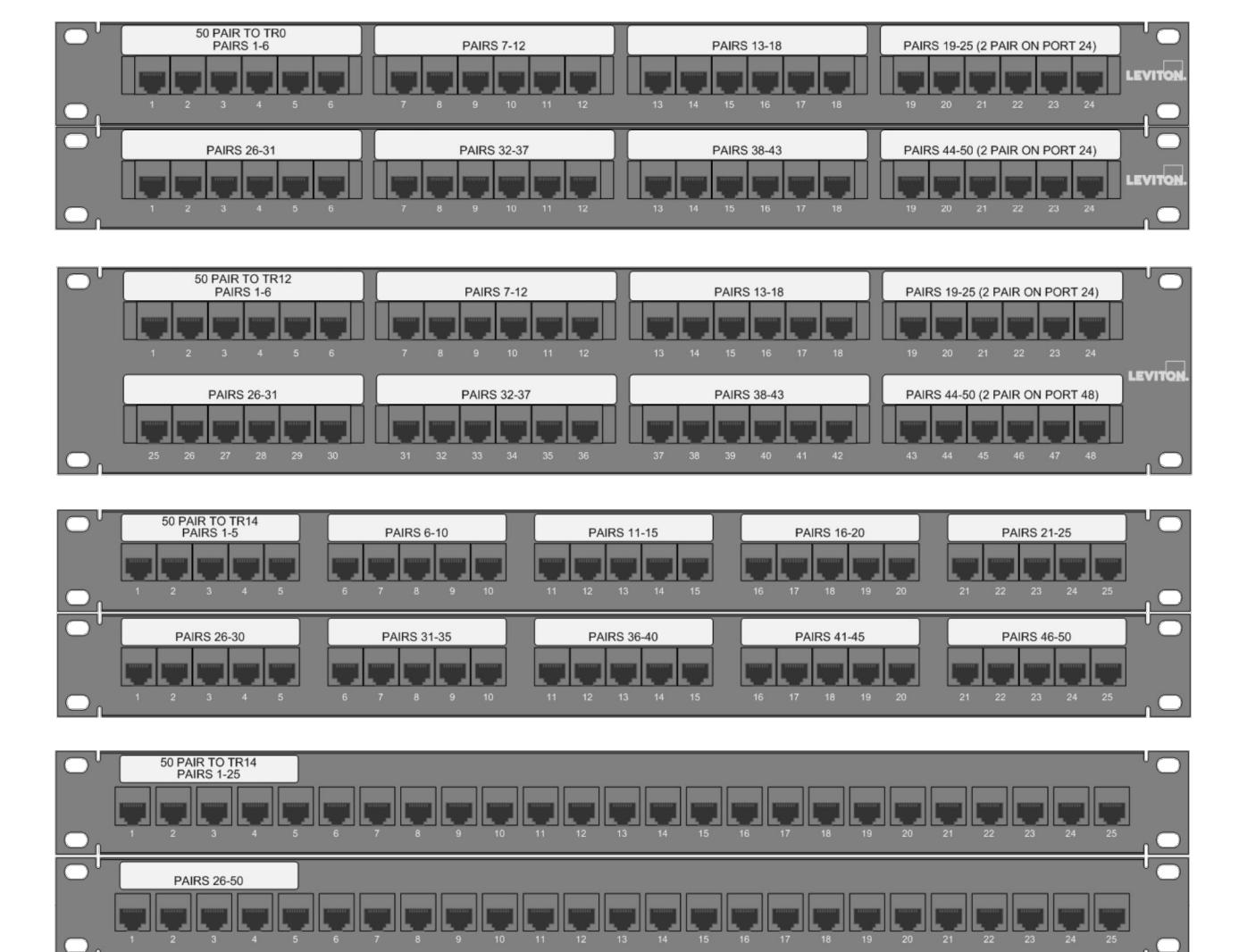
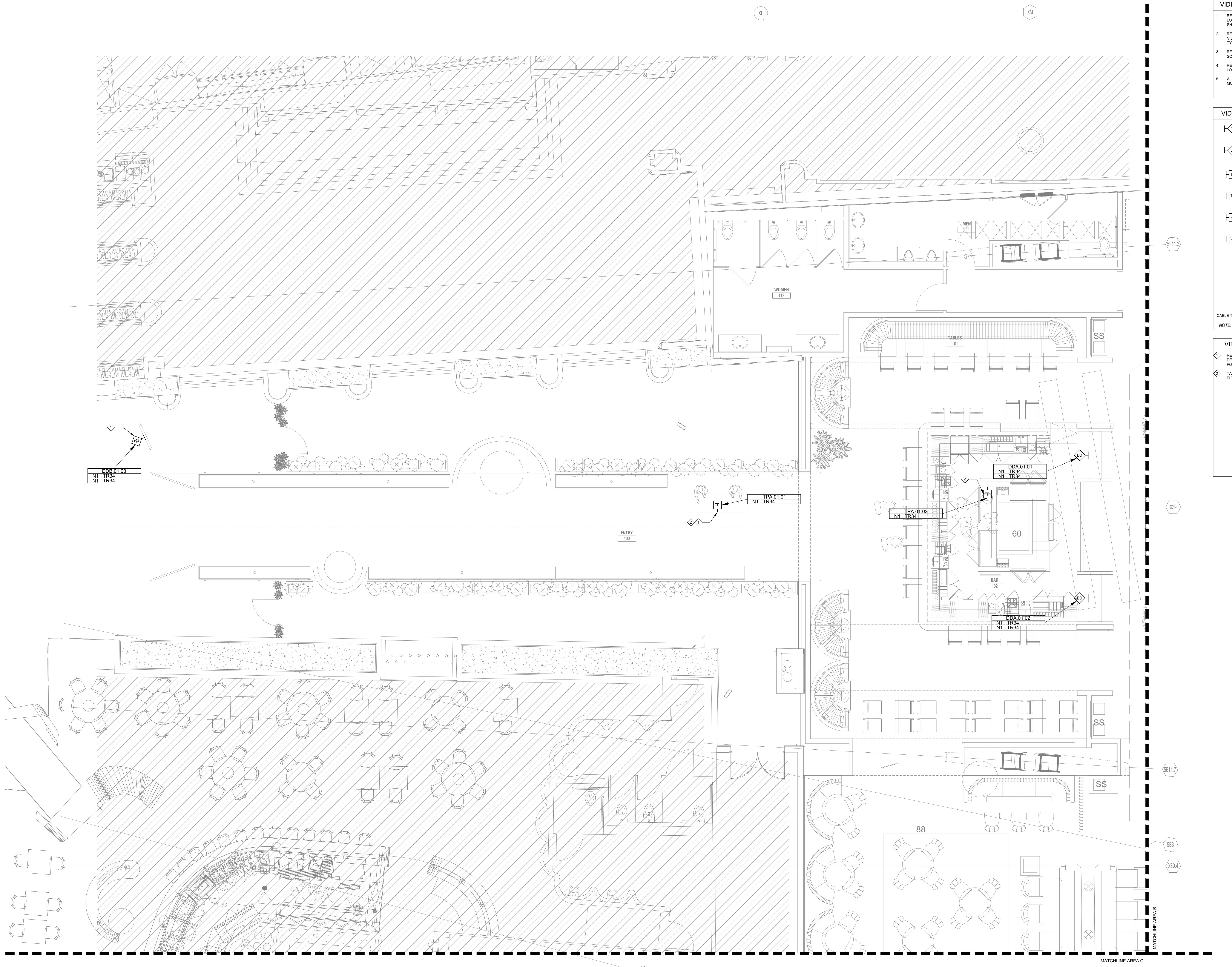


Figure 3.3 Patch Panels Terminating Multi-pair Backbone Copper Cables





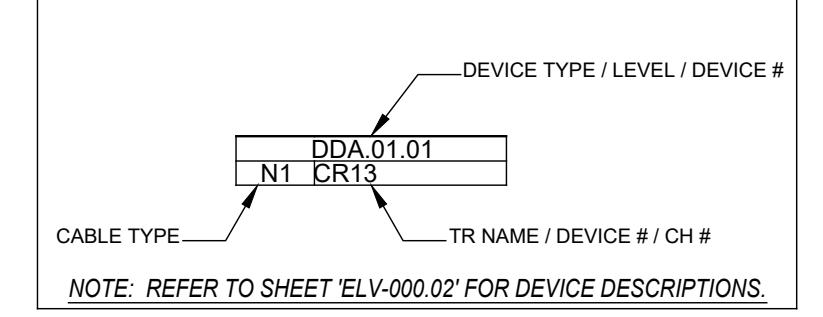


1 ENLARGED FLOOR PLAN - VIDEO AND CONTROL SYSTEMS LAYOUT - AREA A

VIDEO/CONTROL SYSTEM GENERAL NOTES	
1.	REFER TO ARCHITECTURAL PLANS FOR EXACT MOUNTING LOCATION OF ALL VIDEO AND CONTROL SYSTEM DEVICES SHOWN.
2.	REFER TO VIDEO AND CONTROL SYSTEM SCHEDULES FOR VIDEO AND CONTROL SYSTEM DEVICE DESCRIPTION, CABLING TYPE AND ADDITIONAL INFORMATION.
3.	REFER TO CORRESPONDING RACK ELEVATION DETAILS AND SCHEMATIC DIAGRAMS FOR ADDITIONAL INFORMATION.
4.	REFER TO ELECTRICAL DRAWINGS FOR POWER OUTLET LOCATION AND REQUIREMENTS.
5.	ALL DISPLAY MONITORS SHALL BE RECESSED WITH FACE OF MONITOR FLUSHED WITH FINISHED WALL.

VIDEO/CONTROL SYSTEM DEVICE LEGEND

- [DDA] DEVICE TYPE - 50IN Samsung HED50BP85PZ-XA WITH PIVOTLESS SA761PU MOUNT AND CHIEF PAC 525 BACK BOX
- [DDB] DEVICE TYPE - 48IN NEC - TS48PNPHGJGZ2 WITH PIVOTLESS SA761PU MOUNT AND CHIEF PAC 525 BACK BOX
- [TPA] DEVICE TYPE - 10IN - CRESTRON TOUCH PANEL SYMBOL
- [TPB] DEVICE TYPE - 7IN - CRESTRON TOUCH PANEL SYMBOL
- [KPA] DEVICE TYPE - CRESTRON 6 BUTTON KEYPAD KEYPAD SYMBOL
- [WPA] DEVICE TYPE - 4 GANG CUSTOM PLATE WALL PLATE SYMBOL



NOTE: REFER TO SHEET ELV000.02 FOR DEVICE DESCRIPTIONS

- DEVICE TYPE / LEVEL / DEVICE #
- N1 CR12
- TR NAME / DEVICE # / CH #

6955 N Durango Dr. Suite 115-281
Las Vegas, Nevada 89149
702.692.5700
Mike@DS3trategic.com

D3, INC
DEFINE DESIGN DELIVER

OWNER:

MGM RESORTS INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone: 702.862.1750 Fax:
PROJECT: Aria RESORT HOTEL & CASINO LAS VEGAS, NEVADA

REVISIONS:		
No.	Date	Description
03/16/18		PERMIT ISSUE

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes in the design, dimensions, materials, and details of these drawings at any time. These plans are not to be reproduced, changed or copied in any way, without the express written consent of Joyen M. Vail, R.A. Written dimensions on these drawings are in inches. All dimensions are in inches.

© COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:

ENLARGED FLOOR PLAN - VIDEO AND CONTROL SYSTEMS LAYOUT - AREA A

All dimensions, levels, layouts and field conditions shall be verified and checked by the architect before proceeding with the work.

MRID Project No. 17026

Consultant Project No. 17050

Date: 03/16/18

Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.

File Name: ELV260.01

Scale: 1/4" = 1'-0"

PERMIT ISSUE

ARCHITECT:



BERGMAN WALLS & ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE PROJECT SHALL REMAIN THE PROPERTY OF THE ARCHITECT, AND SHALL NOT BE COPIED OR USED ON ANY OTHER PROJECT OR FOR COMPETITION OF THIS PROJECT, WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS & ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION

SEAL:

CONSULTANT:

D3, INC
DEFINE DESIGN DELIVER
6955 N Durango Dr. Suite 115-281
Las Vegas, Nevada 89149
702.692.5700
Mike@DS3trategic.com

OWNER:

MGM RESORTS INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone: 702.862.1750 Fax:

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT:

REVISIONS:

No.	Date	Description
03/16/18		PERMIT ISSUE

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes in the design, dimensions, materials, and details of these drawings at any time. These plans are not to be reproduced, changed or copied in any way, without the express written consent of Joyen M. Vail, R.A. Written dimensions on these drawings are in inches. All dimensions are in inches.

© COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:

ENLARGED FLOOR PLAN - VIDEO AND CONTROL SYSTEMS LAYOUT - AREA A

All dimensions, levels, layouts and field conditions shall be verified and checked by the architect before proceeding with the work.

MRID Project No. 17026

Consultant Project No. 17050

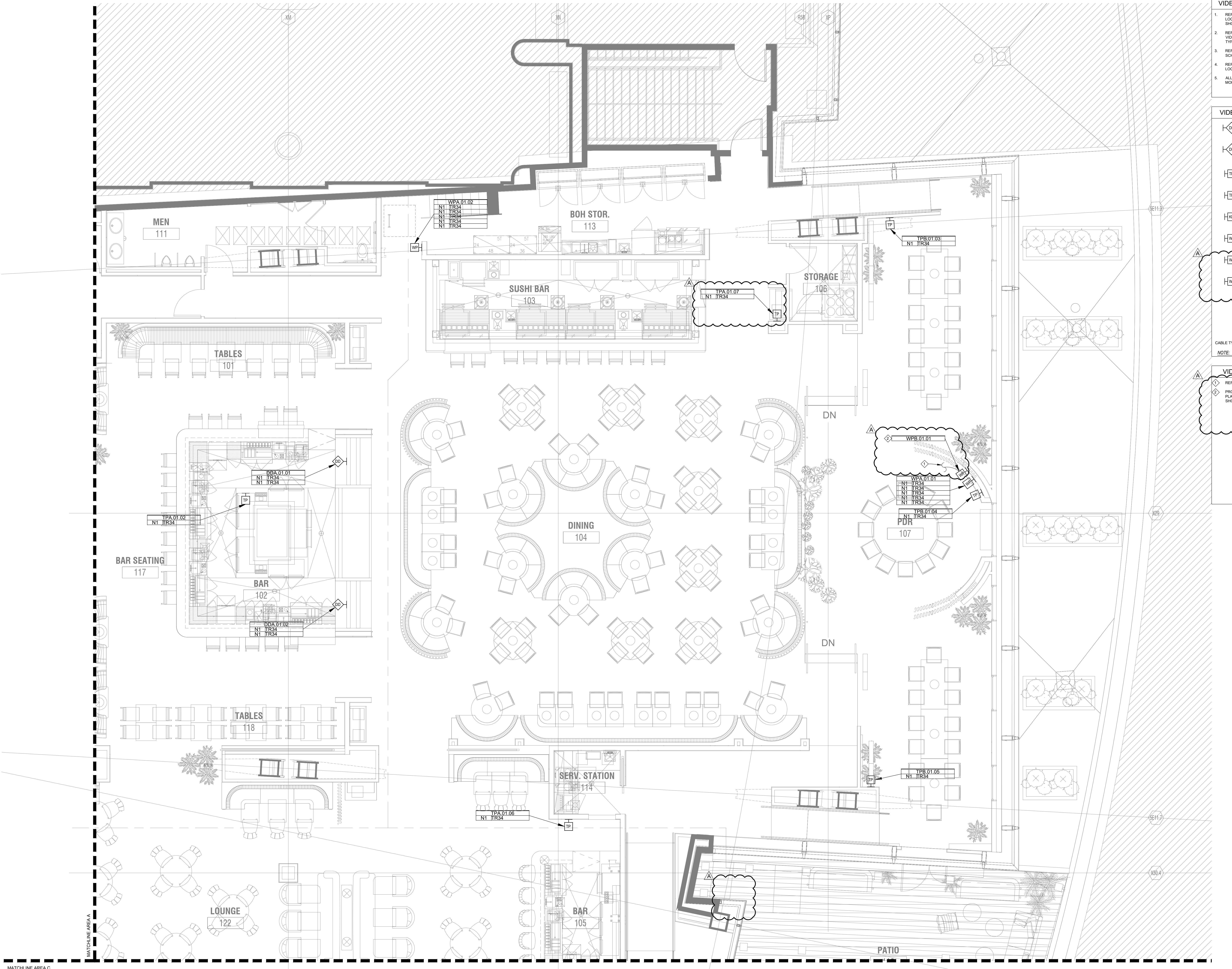
Date: 03/16/18

Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.

File Name: ELV260.01

Scale: 1/4" = 1'-0"

PERMIT ISSUE



VIDEO/CONTROL SYSTEM GENERAL NOTES

- REFER TO ARCHITECTURAL PLANS FOR EXACT MOUNTING LOCATION OF ALL VIDEO AND CONTROL SYSTEM DEVICES SHOWN.
- REFER TO VIDEO AND CONTROL SYSTEM SCHEDULES FOR VIDEO AND CONTROL SYSTEM DEVICE DESCRIPTION, CABLING TYPE AND ADDITIONAL INFORMATION.
- REFER TO CORRESPONDING RACK ELEVATION DETAILS AND SCHEMATIC DIAGRAMS FOR ADDITIONAL INFORMATION.
- REFER TO ELECTRICAL DRAWINGS FOR POWER OUTLET LOCATION AND REQUIREMENTS.
- ALL DISPLAY MONITORS SHALL BE RECESSED WITH FACE OF MONITOR FLUSHED WITH FINISHED WALL.

VIDEO/CONTROL SYSTEM DEVICE LEGEND

- DDA** DEVICE TYPE - 50IN SWINGING HEAD 208WFLP-2A, WITH PULLDOWN SCREEN SA761PU MOUNT AND CRESTRON PAC 525 BACK BOX DISPLAY MONITOR SYMBOL
- DDB** DEVICE TYPE - 48IN NEC - TS48PNPHPJGZ2 MOUNT AND CRESTRON PAC 525 BACK BOX DISPLAY MONITOR SYMBOL
- TPA** DEVICE TYPE - 10IN - CRESTRON TOUCH PANEL SYMBOL
- TPB** DEVICE TYPE - 7IN - CRESTRON TOUCH PANEL SYMBOL
- KPA** DEVICE TYPE - CRESTRON 6 BUTTON KEYPAD KEYPAD SYMBOL
- WPA** DEVICE TYPE - 4 GANG CUSTOM PLATE WALL PLATE SYMBOL
- WPB** DEVICE TYPE - 1 GANG CUSTOM PLATE WALL PLATE SYMBOL
- WPC** DEVICE TYPE - 1 GANG CUSTOM PLATE WALL PLATE SYMBOL
- DEVICE TYPE / LEVEL / DEVICE # TR NAME / DEVICE # / CH #
- CABLE TYPE
- NOTE REFER TO SHEET ELV-000.02 FOR DEVICE DESCRIPTIONS.

VIDEO/CONTROL SYSTEM KEYED NOTES

REFER TO ELV260.02 FOR CONTINUATION

PROVIDE LI CABLE FROM 'WPB' WALL PLATE TO 'WPC' CEILING PLATE, JUMP LI CABLE TO EACH 'WPC' CEILING PLATE AS SHOWN ON PLAN FOR THEATRICAL CONTROL.

BERGMAN WALLS & ASSOCIATES
799 VALLE VERDE COURT
HENEDIN, NEVADA 89104

SEAL:

CONSULTANT:

D3, INC.
DEFINE DESIGN DELIVER
6955 N. Durango Dr. Suite 115-281
Las Vegas, Nevada 89149
(702) 576-5700
Mike@D3Strategic.com

OWNER:

MGM RESORTS INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone 702.862.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AHG - CATCH

REVISIONS:

No.	Date	Description
	03.16.18	PERMIT ISSUE
▲	03.30.18	ADDENDUM A

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes in these drawings at any time. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the written consent of Joyen M. Vail, R.A. Written dimensions on these drawings are in feet and inches. © COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:

ENLARGED FLOOR PLAN - VIDEO AND CONTROL SYSTEMS LAYOUT - AREA B

All dimensions, levels, layouts and field conditions shall be verified and checked by the architect before proceeding with the work.

MRID Project No. 17026

Consultant Project No. 17050

Date: 03/16/18

Drawn By D3 Inc.

Checked By D3 Inc.

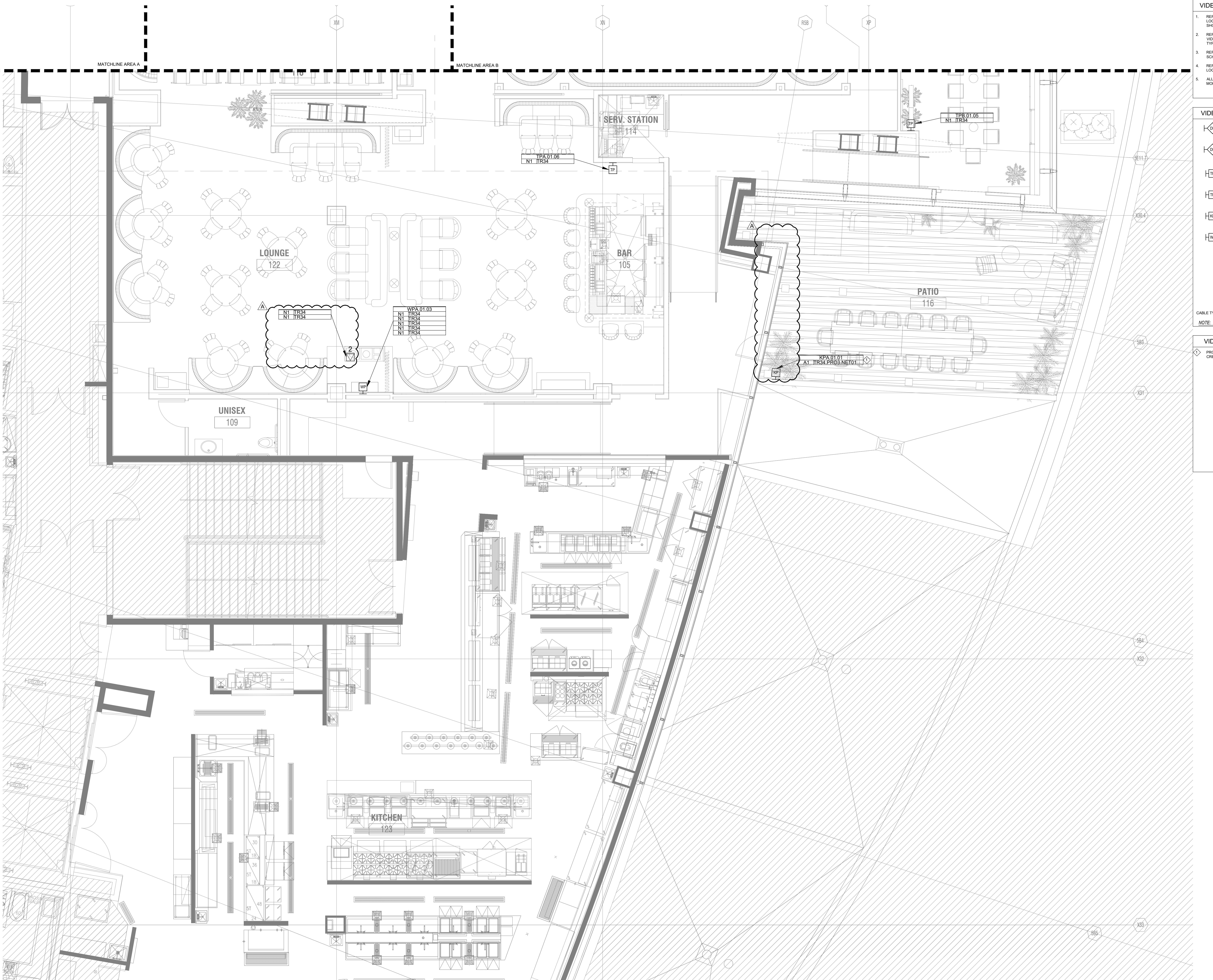
Approved By D3 Inc.

File Name: ELV260.02

UPDATED BACKGROUND

ELV260.02

PERMIT ISSUE



VIDEO/CONTROL SYSTEM GENERAL NOTES

- REFER TO ARCHITECTURAL PLANS FOR EXACT MOUNTING LOCATION OF ALL VIDEO AND CONTROL SYSTEM DEVICES
- REFER TO VIDEO AND CONTROL SYSTEM SCHEDULES FOR VIDEO AND CONTROL SYSTEM DEVICE DESCRIPTION, CABLING TYPE AND ADDITIONAL INFORMATION
- REFER TO CORRESPONDING RACK ELEVATION DETAILS AND SCHEMATIC DIAGRAMS FOR ADDITIONAL INFORMATION
- REFER TO ELECTRICAL DRAWINGS FOR POWER OUTLET LOCATION AND REQUIREMENTS
- ALL DISPLAY MONITORS SHALL BE RECESSED WITH FACE OF MONITOR FLUSHED WITH FINISHED WALL

BERGMAN WALLS & ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

SEAL:

CONSULTANT:

D3, INC.
DEFINE DESIGN DELIVER
6955 N. Durango Dr., Suite 115-281
Las Vegas, Nevada 89149
(702) 212-5700
Mike@D3Strategic.com

OWNER:

MGM RESORTS INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone 702.862.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AH-C - CATCH

REVISIONS:
No. Date Description

03.16.18 PERMIT ISSUE
A 03.30.18 ADDENDUM A

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes in these drawings at any time. These plans are not to be reproduced, changed or copied in any way by any person or entity whatsoever, nor are they to be assigned to any third party without the express written consent of Joyen M. Vail, R.A. Written dimensions on these drawings are in feet and inches. © COPYRIGHT 2010 JOYEN M. VAIL, R.A.

DRAWING TITLE:

ENLARGED FLOOR PLAN - VIDEO AND CONTROL SYSTEMS LAYOUT - AREA C

All dimensions, levels, layouts and field conditions shall be verified and checked by the architect before proceeding with the work.

MRID Project No. 17026

Consultant Project No. 17050

Date: 03/16/18

Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.

File Name: ELV260.03

UPDATED BACKGROUND

ELV260.03

PERMIT ISSUE

VIDEO/CONTROL SYSTEM DEVICE LEGEND

	DEVICE TYPE - 50IN Samsung HDTV 2000PZ-2A, WITH PENTEK ES85A761PU MOUNT AND CRESTRON 525 BACK BOX
	DISPLAY MONITOR SYMBOL DEVICE TYPE - 48IN NEC - TS48PNPH/PJGZ2 MOUNT AND CRESTRON 525 BACK BOX
	TOUCH PANEL SYMBOL DEVICE TYPE - 10IN - CRESTRON
	TOUCH PANEL SYMBOL DEVICE TYPE - 7IN - CRESTRON
	KEYPAD SYMBOL DEVICE TYPE - CRESTRON 6 BUTTON KEYPAD
	WALL PLATE SYMBOL DEVICE TYPE - 4 GANG CUSTOM PLATE

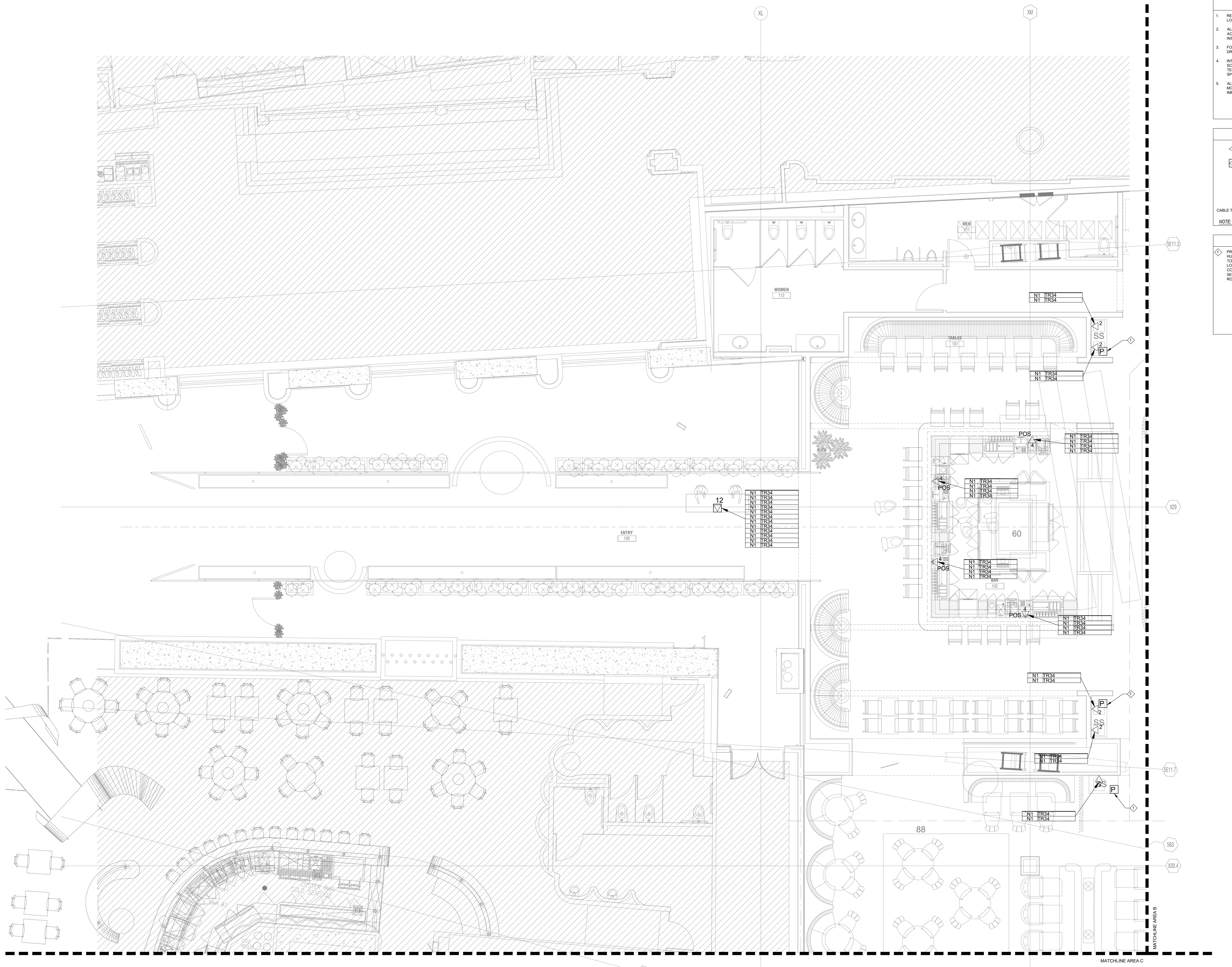
DEVICE TYPE / LEVEL / DEVICE #
N1 CR12
CABLE TYPE
TR NAME / DEVICE # / CH #
NOTE: REFER TO SHEET ELV-000.02 FOR DEVICE DESCRIPTIONS

VIDEO/CONTROL SYSTEM KEYED NOTES

- PROVIDE WEATHER PROOF SINGLE GANG COVER OVER CRESTRON CNX-B6 KEY PAD

ARCHITECT:

B|W & A



1 ENLARGED FLOOR PLAN - DATA SYSTEM LAYOUT - AREA A

DATA SYSTEM GENERAL NOTES	
1.	REFER TO ARCHITECTURAL PLANS FOR EXACT MOUNTING LOCATION OF ALL DATA SYSTEM DEVICES SHOWN.
2.	ALL EQUIPMENT AND DEVICES SHALL BE PROVIDED WITH ALL ACCESSORIES FOR A COMPLETE AND OPERATIONAL INSTALLATION.
3.	FOR ALL DEVICES AND ACCESSORIES NOT SPECIFIED ON THIS DRAWING SET, PROVIDE PER MGM NETWORK STANDARDS.
4.	INTEGRATOR TO PROVIDE ALL AV PATCH CABLES PER COLOR SCHEME MGM LV - CONVENTION CENTER EXPANSION - MEDIA TECHNOLOGY - SPECIFICATIONS AUGUST 4, 2017 NOTED IN MGM SPECIFICATION DRAWING NO. #A8.10.01
5.	ALL DATA AND CAT5 CABLE LABELS SHALL COMPLY WITH MGM IT STANDARDS NETWORK INFRASTRUCTURE, IMPLEMENTATION AND MANAGEMENT REQUIREMENTS.

DATA SYSTEM DEVICE LEGEND	
◆ X	QUANTITY OF PORTS
□ X	DATA OUTLET SYMBOL
◆ X	QUANTITY OF PORTS
□ X	DATA FLOOR BOX SYMBOL
◆ X	DEVICE TYPE / LEVEL / DEVICE #
DDA 01.01	TR NAME / PANEL # / PORT #
N1 CR34.01.01	
CABLE TYPE	
NOTE: REFER TO SHEET ELV-000.02 FOR DEVICE DESCRIPTIONS.	

DATA SYSTEM KEYED NOTES	
◆	PROVIDE A DURESS BUTTON, UNITED SECURITY PRODUCTS INC. HUB SERIES #HUB25, ATTACHED TO EXTEND (1) 18AWG/GPR CABLE TO THE DATA FLOOR BOX. COORDINATE CABLE LENGTH AND ACTUAL LOCATION AND MOUNTING WITH ARCHITECTURAL DRAWINGS. COORDINATE EXACT CABLE PATH AND TERMINATION WITH ARIA SECURITY/SURVEILLANCE REPRESENTATIVE PRIOR TO ROUGH-IN.

ARCHITECT:	
B W & A	BERGMAN WALLS & ASSOCIATES 799 VALLE VERDE COURT HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE PROJECT SHALL REMAIN THE PROPERTY OF THE ARCHITECT AND SHALL NOT BE COPIED OR USED ON ANY OTHER PROJECT OR FOR COMPETITION OR FOR PERSONAL USE WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS & ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION

SEAL:

CONSULTANT:	
D3, INC. DEFINE DESIGN DELIVER	6955 N Durango Dr. Suite 115-281 Las Vegas, Nevada 89149 702.921.5700 Mike@D3SystemsLV.com

OWNER:

MGM RESORTS INTERNATIONAL
3260 Industrial Road, Las Vegas, NV 89109
702.692.9622 Phone 702.862.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT:
AH-C - CATCH

REVISIONS:		
No.	Date	Description
03.16.18		PERMIT ISSUE

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes in the design or details of these drawings. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the written consent of Joyen M. Vail, R.A. Written dimensions on these drawings are in feet and inches. © COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:
ENLARGED FLOOR PLAN - DATA SYSTEM LAYOUT - AREA A

All dimensions, levels, layouts and field conditions shall be verified and checked by the architect before proceeding with the work.

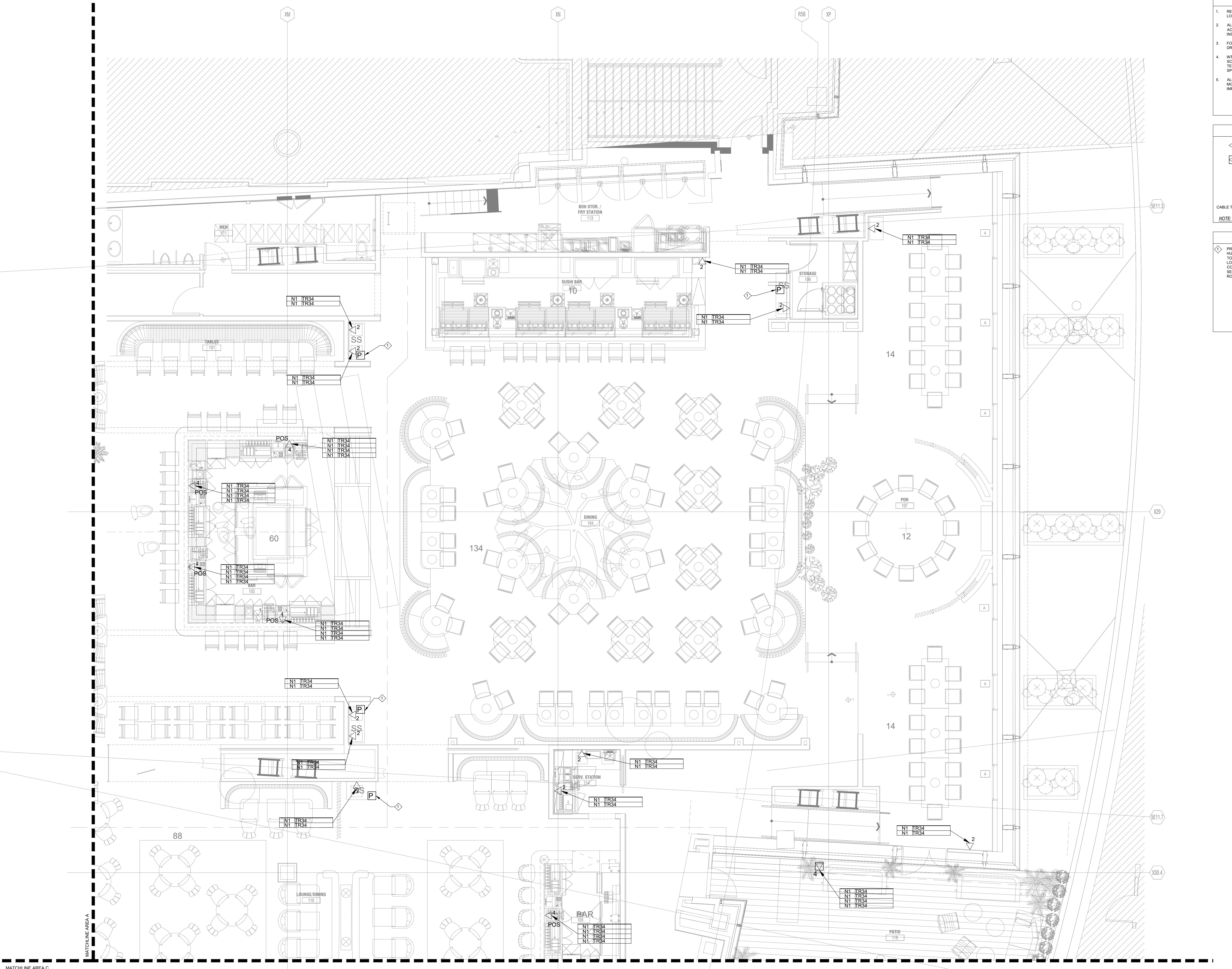
MRID Project No. 17026

Consultant Project No. 17050
Date: 03/16/18
Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.
File Name:

ELV261.01

PERMIT ISSUE

Scale: 1/4" = 1'-0"



1 ENLARGED FLOOR PLAN - DATA SYSTEM LAYOUT - AREA B

DATA SYSTEM GENERAL NOTES	
1.	REFER TO ARCHITECTURAL PLANS FOR EXACT MOUNTING LOCATION OF ALL DATA SYSTEM DEVICES SHOWN.
2.	ALL EQUIPMENT AND DEVICES SHALL BE PROVIDED WILL ALL ACCESSORIES FOR A COMPLETE AND OPERATIONAL INSTALLATION.
3.	FOR ALL DEVICES AND ACCESSORIES NOT SPECIFIED ON THIS DRAWING SET, PROVIDE PER MGM NETWORK STANDARDS.
4.	INTEGRATOR TO PROVIDE ALL AV PATCH CABLES PER COLOR SCHEME MGM.V - CONVENTION CENTER EXPANSION - MEDIA TECHNOLOGY - SPECIFICATIONS AUGUST 4, 2017 NOTED IN MGM SPECIFICATION SHEET NUMBER #18.
5.	ALL DATA AND CAT5 CABLE LABELS SHALL COMPLY WITH MGM IT STANDARDS NETWORK INFRASTRUCTURE, IMPLEMENTATION AND MANAGEMENT REQUIREMENTS.



DATA SYSTEM DEVICE LEGEND	
	QUANTITY OF PORTS
	DATE OUTLET SYMBOL
	QUANTITY OF PORTS
	DATA FLOOR BOX SYMBOL
	DEVICE TYPE / LEVEL / DEVICE #
	CABLE TYPE
	TR NAME / PANEL # / PORT #
NOTE: REFER TO SHEET ELV-000.02 FOR DEVICE DESCRIPTIONS.	

SEAL:

DATA SYSTEM KEYED NOTES	
◆	PROVIDE A DURESS BUTTON, UNITED SECURITY PRODUCTS INC. HUB SERIES #HUB25, ATTACHED, EXTEND (1) 18AWG/GPR CABLE TO THE DURESS BUTTON. CABLE LENGTH IS APPROXIMATELY 10' FROM LOCATION AND MOUNTING WITH ARCHITECTURAL DRAWINGS. COORDINATE EXACT CABLE PATH AND TERMINATION WITH ARIA SECURITY/SURVEILLANCE REPRESENTATIVE PRIOR TO ROUGH-IN.

CONSULTANT:



OWNER:
MGM RESORTS INTERNATIONAL
3260 Industrial Road, Las Vegas, NV 89109
702.692.9622 Phone: 702.862.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AH-C - CATCH

REVISIONS:		
No.	Date	Description
03.16.18		PERMIT ISSUE

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes in the design or details of these drawings at any time without notice. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the express written consent of Joyen M. Vail, R.A. Written dimensions on these drawings are in inches. © COPYRIGHT 2015 JOYEN M. VAIL, R.A.

DRAWING TITLE:
ENLARGED FLOOR PLAN - DATA SYSTEM LAYOUT - AREA B

All dimensions, levels, layouts and field conditions shall be verified and checked by the architect before proceeding with the work.

MRID Project No. 17026

Consultant Project No. 17050

Date: 03/16/2018

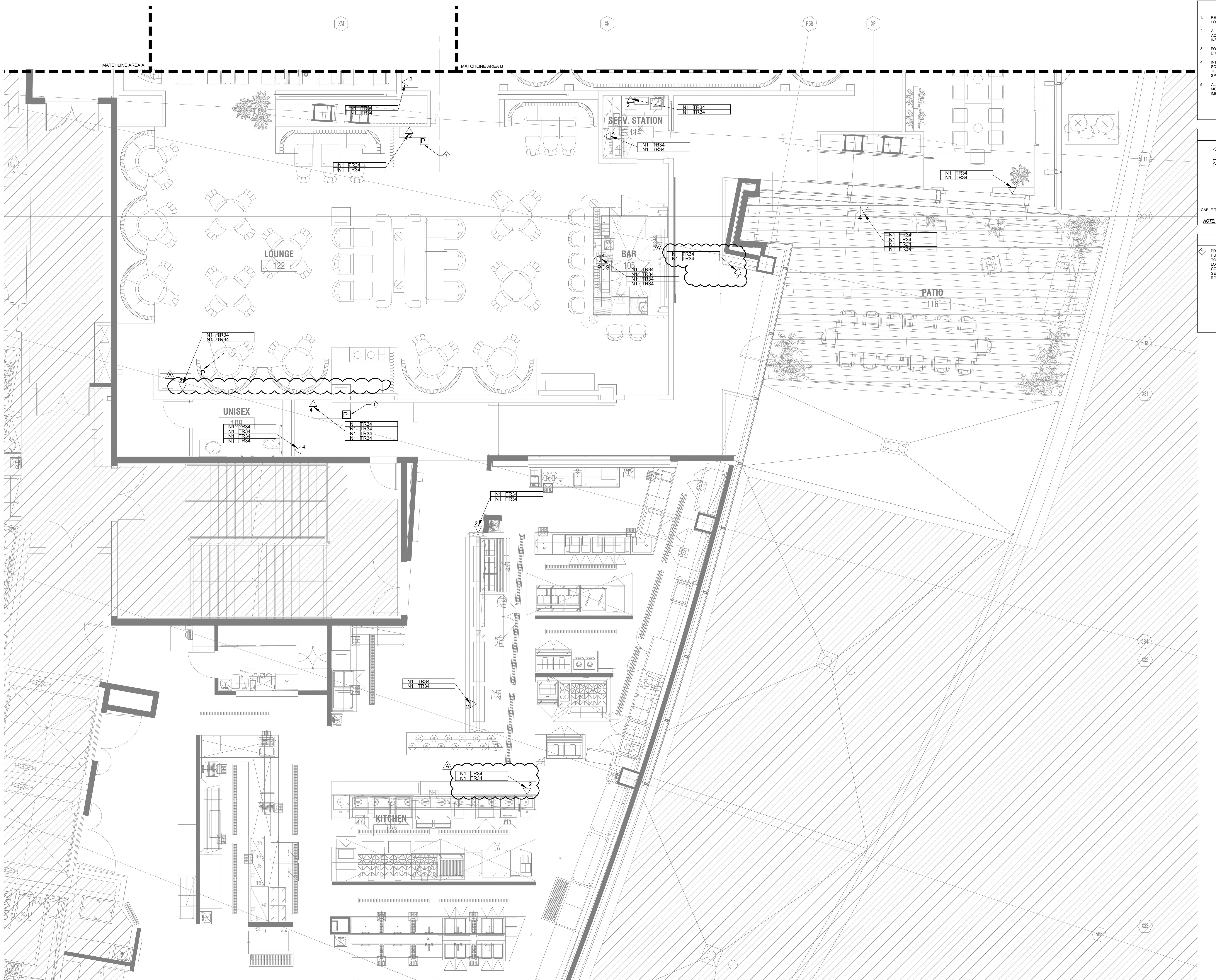
Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.

File Name:

ELV261.02

PERMIT ISSUE

Scale: 1/4" = 1'-0"



1 ENLARGED FLOOR PLAN - DATA SYSTEM LAYOUT - AREA C

Scale: 1/4" = 1'-0"

DATA SYSTEM GENERAL NOTES	
1.	REFER TO ARCHITECTURAL PLANS FOR EXACT MOUNTING LOCATION OF ALL DATA SYSTEM DEVICES SHOWN.
2.	ALL EQUIPMENT AND DEVICES SHALL BE PROVIDED WITH ALL ACCESSORIES FOR A COMPLETE AND OPERATIONAL INSTALLATION.
3.	FOR ALL DEVICES AND ACCESSORIES NOT SPECIFIED ON THIS DRAWING SET, PROVIDE PER MGM NETWORK STANDARDS.
4.	INTEGRATOR TO PROVIDE ALL AV PATCH CABLES PER COLOR SCHEME MGM LV - CONVENTION CENTER EXPANSION - MEDIA TECHNOLOGY - SPECIFICATIONS AUGUST 4, 2017 NOTED IN MGM SPECIFICATION NUMBER 1481.
5.	ALL DATA AND CAT5 CABLE LABELS SHALL COMPLY WITH MCG IT STANDARDS NETWORK INFRASTRUCTURE, IMPLEMENTATION AND MANAGEMENT REQUIREMENTS.

ARCHITECT:
B|W & A
BERGMAN WALLS & ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014
ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE PROJECT SHALL REMAIN THE PROPERTY OF THE ARCHITECT AND MAY NOT BE COPIED OR USED BY ANY OTHER PERSON OR FOR ANY OTHER PROJECT OR FOR COMPETITION OR FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS & ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION.

SEAL:



OWNER:
MGM RESORTS INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone 702.662.1750 Fax
Mike@D3Strategic.com

CONSULTANT:
Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AHG - CATCH

REVISIONS:		
No.	Date	Description
	03.16.18	PERMIT ISSUE
▲	03.30.18	ADDENDUM A

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes in these drawings at any time. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the written consent of Joyen M. Vail, R.A. Written dimensions on these drawings are in feet and inches. © COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:
ENLARGED FLOOR PLAN - DATA SYSTEM LAYOUT - AREA C

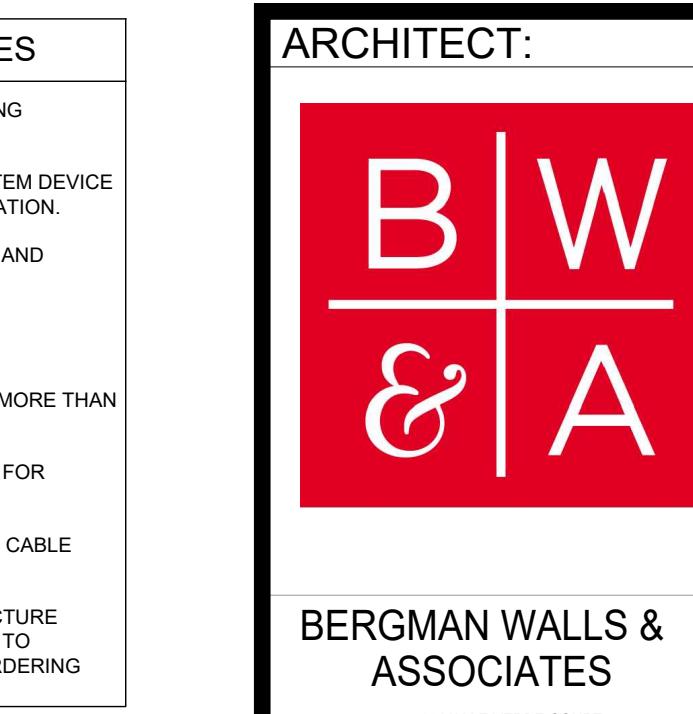
All dimensions, levels, layouts and field conditions shall be verified and checked by the architect before proceeding with the work.
MRID Project No. 17026

Consultant Project No. 17050
Date: 03/16/18
Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.
File Name: ELV261.03

1 UPATED BACKGROUND

ELV261.03

PERMIT ISSUE



ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE SERVICES RENDERED BY THE PROPERTY OF THE ARCHITECT, AND SHALL NOT BE COPIED OR USED ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS PROJECT, WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS & ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION.

SEAL:

CONSULTANT:



OWNER:



Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AHG - CATCH

REVISIONS:
No. Date Description
03.16.18 PERMIT ISSUE

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes at any time. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the written consent of Joyen M. Vail, R.A. Written dimensions on these plans are to be taken from the original drawing only.
© COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:

OVERALL
FLOOR PLAN -
AUDIO ZONING

All dimensions, levels, layouts and field conditions shall be verified and checked by the contractor before proceeding with the work.
MRID Project No. 17026

Consultant Project No. 17050
Date: 03/16/18
Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.
File Name:

ELV262.00

PERMIT ISSUE

AUDIO SYSTEM GENERAL NOTES

1. REFER TO ARCHITECTURAL PLANS FOR EXACT MOUNTING LOCATION OF ALL AUDIO SYSTEM DEVICES SHOWN.
2. REFER TO AUDIO SYSTEM SCHEDULES FOR AUDIO SYSTEM DEVICE DESCRIPTION, CABLING TYPE AND ADDITIONAL INFORMATION.
3. REFER TO CORRESPONDING RACK ELEVATION DETAILS AND SCHEMATIC DIAGRAMS FOR ADDITIONAL INFORMATION.
4. INTEGRATOR/INSTALLER SHALL NOT PROVIDE/AFX MANUFACTURER LABELS ON ANY SPEAKER GRILLS.
5. ALL SPEAKERS SHOWN CAN BE MOVED AS NEEDED NO MORE THAN 12" IN ANY DIRECTION.
6. REFER TO DEVICE TYPE SCHEDULE ON SHEET AV00.02 FOR ADDITIONAL INFORMATION.
7. REFER TO SHEET AV00.02 CABLE TYPE SCHEDULE FOR CABLE TYPE DESCRIPTION AND ADDITIONAL INFORMATION.
8. ALL MEYER SPEAKER TYPES TO BE ORDERED MANUFACTURE PAINT CODES MATCH ADJACENT SURFACES. COORDINATE TO PROVIDE PAINT COLORS TO MANUFACTURE BEFORE ORDERING SPEAKERS.

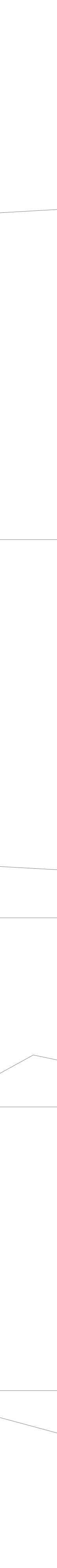
AUDIO SYSTEM DEVICE LEGEND

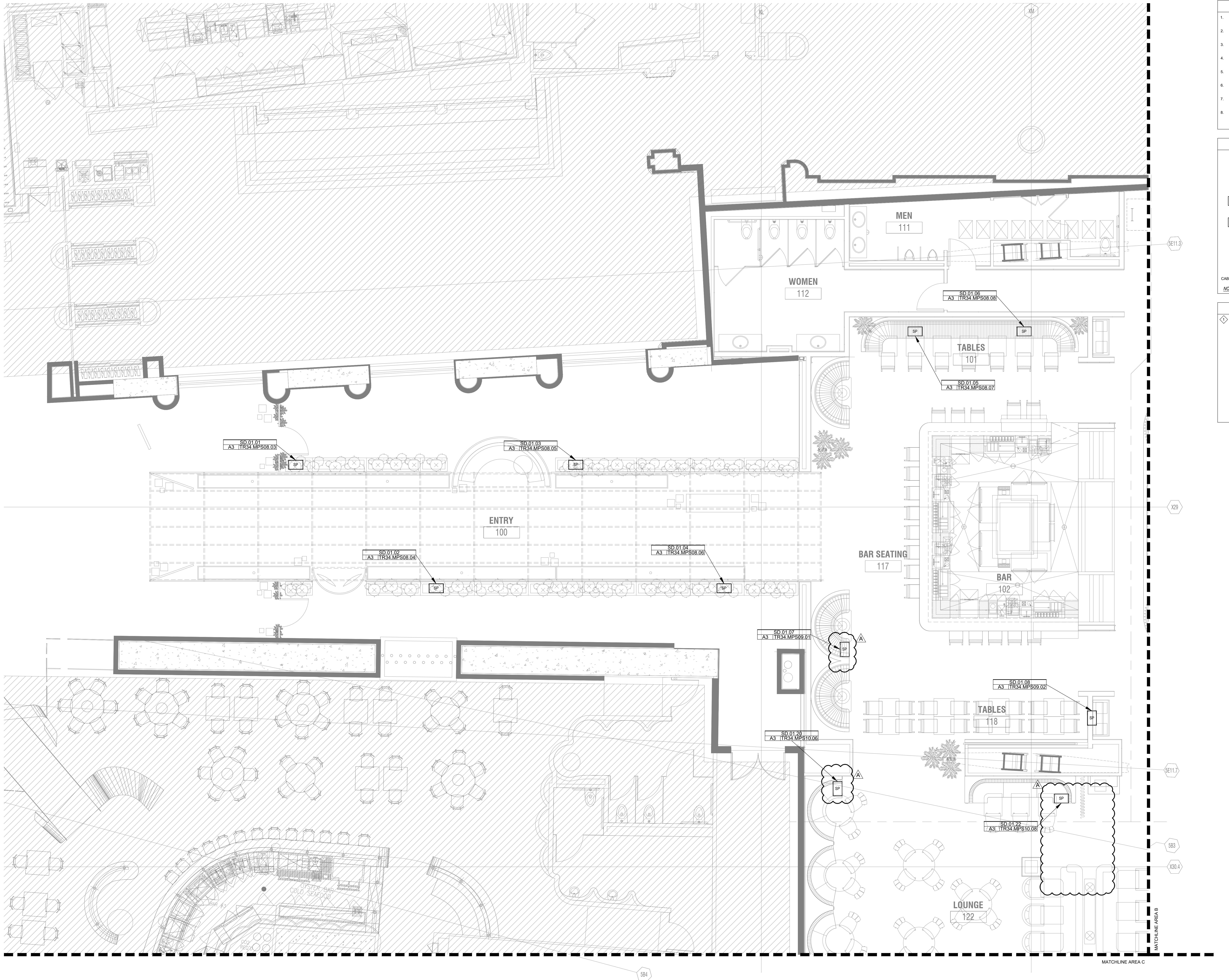
[SP SA]	DEVICE TYPE - MEYER - ASHV - SC
[SP SB]	DEVICE TYPE - MEYER - MM-4XP
[SP SC]	DEVICE TYPE - MEYER - UP-4XP
[SP SD]	DEVICE TYPE - MEYER - MM-10XP
CEILING MOUNTED AUDIO DEVICE SYMBOL	
FLOOR MOUNTED SUBWOOFER AUDIO DEVICE SYMBOL	
DEVICE TYPE / LEVEL / DEVICE #	
CABLE TYPE	

NOTE: REFER TO SHEET ELV-000.02 FOR DEVICE DESCRIPTIONS.

AUDIO SYSTEM KEYED NOTES

[diamond]	NOT USED.
-----------	-----------





AUDIO SYSTEM GENERAL NOTES

- REFER TO ARCHITECTURAL PLANS FOR EXACT MOUNTING LOCATION OF ALL AUDIO SYSTEM DEVICES SHOWN.
- REFER TO AUDIO SYSTEM SCHEDULES FOR AUDIO SYSTEM DEVICE DESCRIPTION, CABLING TYPE AND ADDITIONAL INFORMATION.
- REFER TO CORRESPONDING RACK ELEVATION DETAILS AND SCHEMATIC DIAGRAMS FOR ADDITIONAL INFORMATION.
- INTEGRATOR/INSTALLER SHALL NOT PROVIDE/AFX MANUFACTURER LABELS ON ANY SPEAKER GRILLS.
- ALL SPEAKERS SHOWN CAN BE MOVED AS NEEDED NO MORE THAN 12" IN ANY DIRECTION.
- REFER TO DEVICE TYPE SCHEDULE ON SHEET AV00.02 FOR ADDITIONAL INFORMATION.
- REFER TO SHEET AV00.02 CABLE TYPE SCHEDULE FOR CABLE TYPE DESCRIPTION AND ADDITIONAL INFORMATION.
- ALL MEYER SPEAKER TYPES TO BE ORDERED MANUFACTURE PART NUMBER MATCH ADJACENT SURFACES. COORDINATE TO PROVIDE PAINT COLORS TO MANUFACTURE BEFORE ORDERING SPEAKERS.

BERGMAN WALLS & ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ARCHITECT:
B|W&A
ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE SERVICES RENDERED BY THE PROPERTY OF THE ARCHITECT AND ARE THE PROPERTY OF THE ARCHITECT. ANY COPIES MADE OF THESE DRAWINGS OR SPECIFICATIONS WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS & ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION.

SEAL:

AUDIO SYSTEM DEVICE LEGEND

[Symbol]	SP SA	DEVICE TYPE - MEYER - ASHY - SC CEILING MOUNTED AUDIO DEVICE SYMBOL
[Symbol]	SP SB	DEVICE TYPE - MEYER - MM-4XP CEILING MOUNTED AUDIO DEVICE SYMBOL
[Symbol]	SP SC	DEVICE TYPE - MEYER - UP-4XP CEILING MOUNTED AUDIO DEVICE SYMBOL
[Symbol]	SP SD	DEVICE TYPE - MEYER - MA-10XP FLOOR MOUNTED SUBWOOFER AUDIO DEVICE SYMBOL
[Symbol]	SD	DEVICE TYPE / LEVEL / DEVICE #
[Symbol]	A1 AV 01.01	CABLE TYPE / TR / AMP # / CHANNEL #

NOTE: REFER TO SHEET ELV-000.02 FOR DEVICE DESCRIPTIONS.

CONSULTANT:
D3, INC.
DEFINE DESIGN DELIVER
6955 N. Durango Dr. Suite 115-281
Las Vegas, Nevada 89149
702.621.2765 | 5700
Mike@D3Strategic.com

OWNER:
MGM RESORTS INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone: 702.862.1750 Fax:
Mike@D3Strategic.com

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AHG - CATCH

REVISIONS:
No. Date Description
03.16.18 PERMIT ISSUE
A 03.30.18 ADDENDUM A

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes in these drawings at any time and without notice. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the written consent of Joyen M. Vail, R.A. Written dimensions on these drawings are in feet and inches. © COPYRIGHT 2016 JOYEN M. VAIL, R.A.

DRAWING TITLE:
**ENLARGED FLOOR PLAN -
AUDIO SYSTEM LAYOUT -
AREA A**

All dimensions, levels, layouts and field conditions shall be verified and checked by the architect before proceeding with the work.
MRID Project No. 17026

Consultant Project No. 17050
Date: 03/16/18
Drawn By [Signature] Checked By [Signature] Approved By [Signature]
D3 Inc. D3 Inc. D3 Inc.

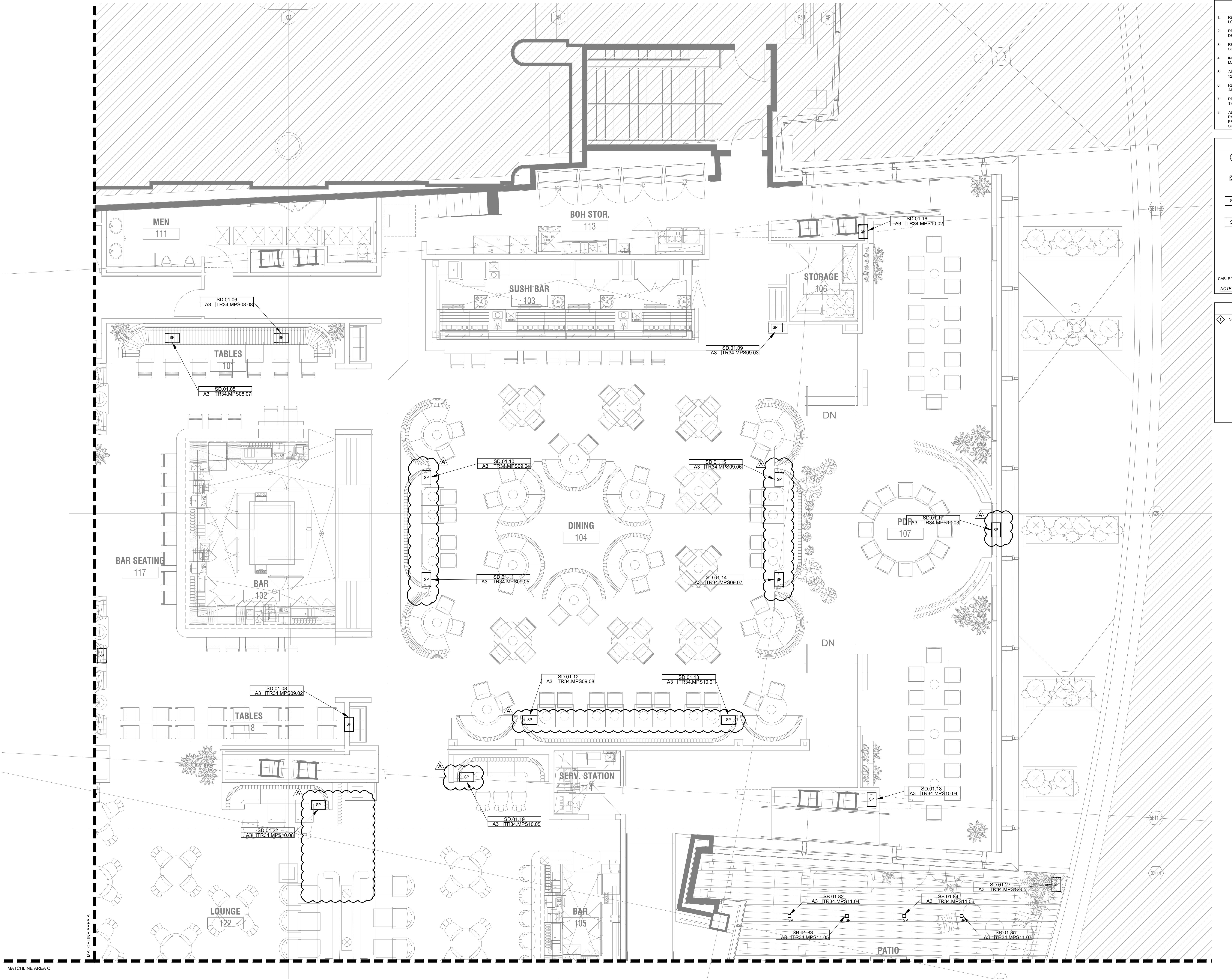
File Name: ELV262.01

UPDATED BACKGROUND

ELV262.01

Scale: 1/4" = 1'-0"

PERMIT ISSUE



AUDIO SYSTEM GENERAL NOTES

- REFER TO ARCHITECTURAL PLANS FOR EXACT MOUNTING LOCATION OF ALL AUDIO SYSTEM DEVICES SHOWN.
- REFER TO AUDIO SYSTEM SPECIFICATIONS FOR AUDIO SYSTEM DEVICE DESCRIPTION, CABLING TYPE AND ADDITIONAL INFORMATION.
- REFER TO CORRESPONDING RACK ELEVATION DETAILS AND SCHEMATIC DIAGRAMS FOR ADDITIONAL INFORMATION.
- INTEGRATOR/INSTALLER SHALL NOT PROVIDE/AFFIX MANUFACTURER LABELS ON ANY SPEAKER GRILLS.
- ALL SPEAKERS SHOWN CAN BE MOVED AS NEEDED NO MORE THAN 12" IN ANY DIRECTION.
- REFER TO DEVICE TYPE SCHEDULE ON SHEET AV00.02 FOR ADDITIONAL INFORMATION.
- REFER TO SHEET AV00.02 CABLE TYPE SCHEDULE FOR CABLE TYPE DESCRIPTION AND ADDITIONAL INFORMATION.
- ALL MEYER SPEAKER TYPES TO BE ORDERED MANUFACTURE FROM THE SAME MANUFACTURER. MATCH ADJACENT SURFACES. COORDINATE TO PROVIDE PAINT COLORS TO MANUFACTURE BEFORE ORDERING SPEAKERS.

BERGMAN WALLS & ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ARCHITECT:
B|W&A
BERGMAN WALLS & ASSOCIATES

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE SERVICES RENDERED BY THE PROPERTY OF THE ARCHITECT, AND ARE THE PROPERTY OF THE ARCHITECT. ANY COPIES MADE OF THESE DRAWINGS OR SPECIFICATIONS, IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS & ASSOCIATES ARCHITECTS, A NEVADA CORPORATION, ARE UNLAWFUL.

SEAL:

AUDIO SYSTEM DEVICE LEGEND

SA	DEVICE TYPE - MEYER - ASHVY - SC
SB	DEVICE TYPE - MEYER - MM-4XP
SC	DEVICE TYPE - MEYER - UP-4XP
SD	DEVICE TYPE - MEYER - MA-10XP
CEILING MOUNTED AUDIO DEVICE SYMBOL	
FLOOR MOUNTED SUBWOOFER AUDIO DEVICE SYMBOL	
DEVICE TYPE / LEVEL / DEVICE #	
CABLE TYPE	
NOT USED.	

NOTE: REFER TO SHEET ELV-000.02 FOR DEVICE DESCRIPTIONS.

AUDIO SYSTEM KEYED NOTES

	NOT USED.
--	-----------

D3, INC
DEFINE DESIGN DELIVER
6955 N. Durango Dr., Suite 115-281
Las Vegas, Nevada 89149
702.921.5765, 5700
Mike@D3Strategic.com

OWNER:
MGM RESORTS INTERNATIONAL
3260 Industrial Road, Las Vegas, NV 89109
702.692.9622 Phone: 702.862.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AHG - CATCH

REVISIONS:
No. Date Description

03.16.18 PERMIT ISSUE

03.30.18 ADDENDUM A

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes in these drawings at any time. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the written consent of Joyen M. Vail, R.A. Written dimensions on these drawings are in feet and inches. © COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:
ENLARGED FLOOR PLAN - AUDIO SYSTEM LAYOUT - AREA B

All dimensions, levels, layouts and field conditions shall be verified and checked by the architect before proceeding with the work.
MRID Project No. 17026

Consultant Project No. 17050

Date: 03/16/18

Drawn By D3 Inc.

Checked By D3 Inc.

Approved By D3 Inc.

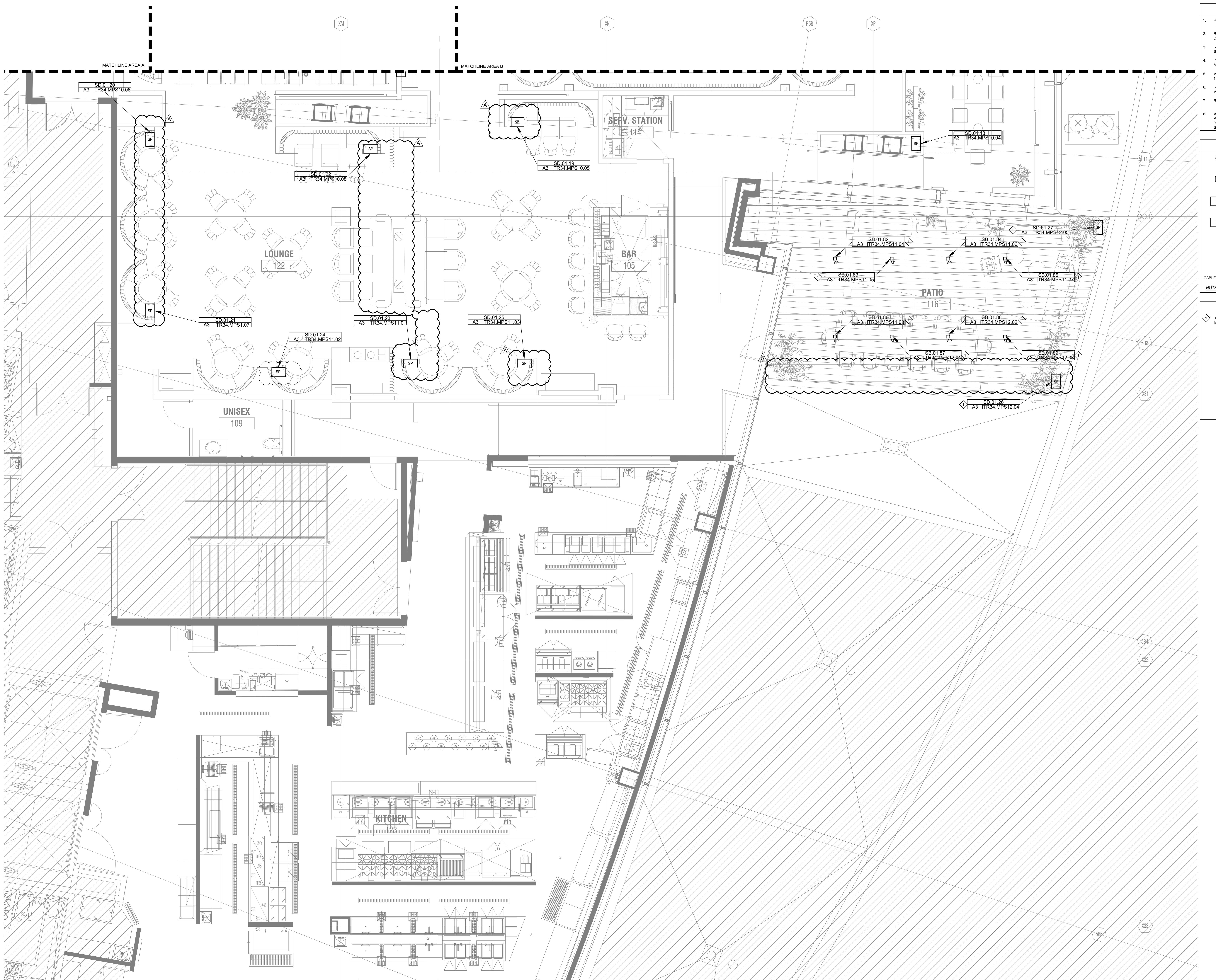
File Name: File Name:

ELV262.02

PERMIT ISSUE

UPDATED BACKGROUND

Scale: 1/4" = 1'-0"



AUDIO SYSTEM GENERAL NOTES

- REFER TO ARCHITECTURAL PLANS FOR EXACT MOUNTING LOCATION OF ALL AUDIO SYSTEM DEVICES SHOWN.
- REFER TO AUDIO SYSTEM SCHEDULES FOR AUDIO SYSTEM DEVICE DESCRIPTION, CABLING TYPE AND ADDITIONAL INFORMATION.
- REFER TO CORRESPONDING RACK ELEVATION DETAILS AND SCHEMATIC DIAGRAMS FOR ADDITIONAL INFORMATION.
- INTEGRATOR/INSTALLER SHALL NOT PROVIDE/AFFIX MANUFACTURER LABELS ON ANY SPEAKER GRILLS.
- ALL SPEAKERS SHOWN CAN BE MOVED AS NEEDED NO MORE THAN 12' IN ANY DIRECTION.
- REFER TO DEVICE TYPE SCHEDULE ON SHEET AV00.02 FOR ADDITIONAL INFORMATION.
- REFER TO SHEET AV00.02 CABLE TYPE SCHEDULE FOR CABLE TYPE DESCRIPTION AND ADDITIONAL INFORMATION.
- ALL MEYER SPEAKER TYPES TO BE ORDERED MANUFACTURE FROM MEYER. COORDINATE TO PROVIDE PAINT COLORS TO MANUFACTURE BEFORE ORDERING SPEAKERS.

AUDIO SYSTEM DEVICE LEGEND

	DEVICE TYPE - MEYER - ASHBY - SC CEILING MOUNTED AUDIO DEVICE SYMBOL
	DEVICE TYPE - MEYER - MM-4XP CEILING MOUNTED AUDIO DEVICE SYMBOL
	DEVICE TYPE - MEYER - UP-4XP CEILING MOUNTED AUDIO DEVICE SYMBOL
	DEVICE TYPE - MEYER - MA-10XP FLOOR MOUNTED SUBWOOFER AUDIO DEVICE SYMBOL
	DEVICE TYPE / LEVEL / DEVICE #
	CABLE TYPE
	TR / AMP # / CHANNEL #

NOTE: REFER TO SHEET ELV-00.02 FOR DEVICE DESCRIPTIONS.

AUDIO SYSTEM KEYED NOTES

ALL PATIO SPEAKERS TO BE ORDERED FROM MANUFACTURE WITH OUTDOOR WEATHER RATING.

ARCHITECT:
BW&A
BERGMAN WALLS & ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

SEAL:
ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE PROJECT SHALL REMAIN THE PROPERTY OF THE ARCHITECT AND SHALL NOT BE COPIED OR USED ON ANY OTHER PROJECT OR FOR COMPETITION OR THIS PROJECT WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS & ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION

CONSULTANT:
D3, INC.
DEFINE DESIGN DELIVER
6955 N. Durango Dr., Suite 115-281
Las Vegas, Nevada 89149
(702) 217-5700
Mike@D3Strategic.com

OWNER:
MGM RESORTS INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone 702.862.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AHG - CATCH

REVISIONS:
No. Date Description
03.16.18 PERMIT ISSUE
▲ 03.30.18 ADDENDUM A

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes in these drawings at any time. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the written consent of Joyen M. Vail, R.A. Written dimensions on these drawings are in feet and inches. © COPYRIGHT 2018 JOYEN M. VAIL, R.A.

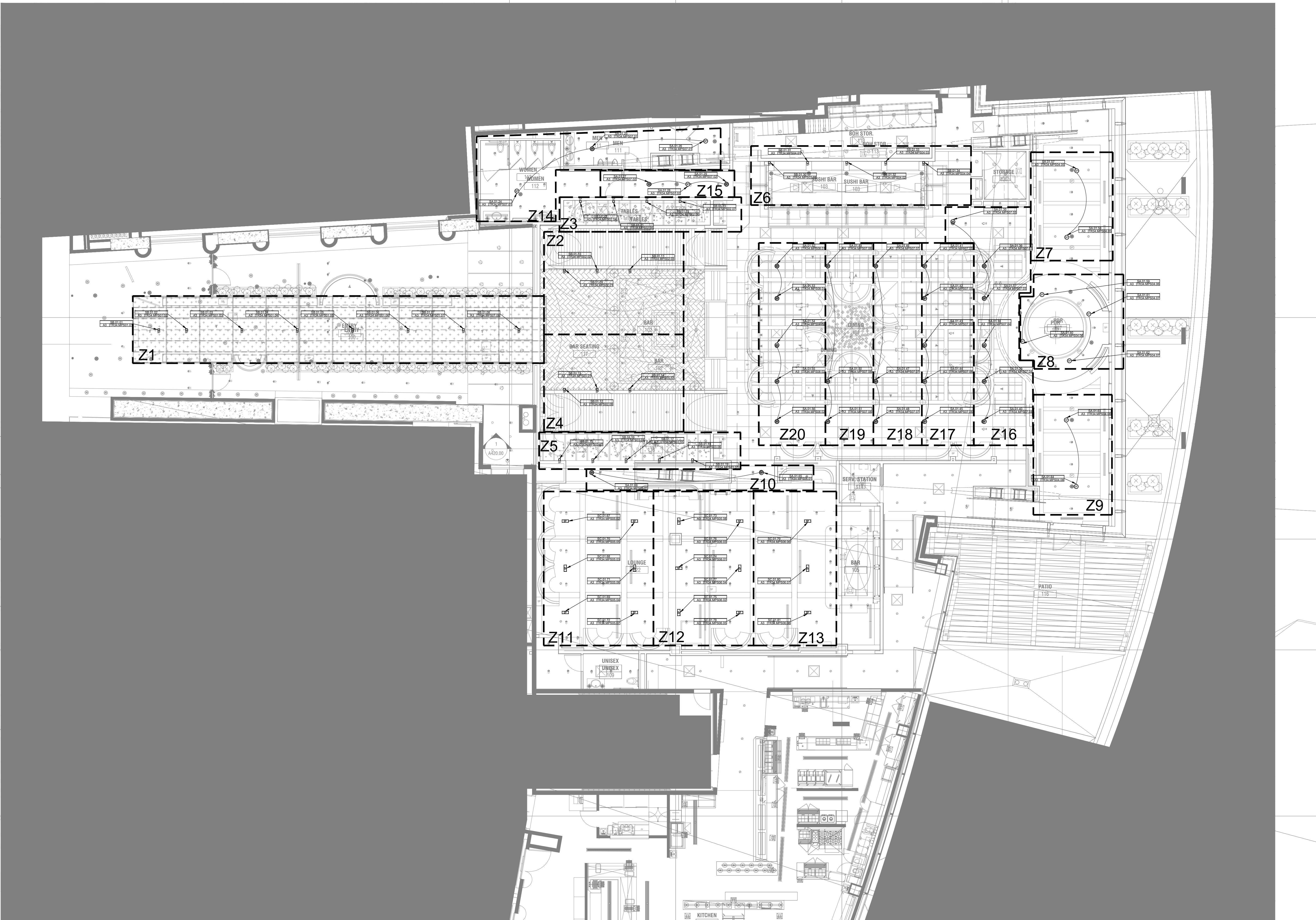
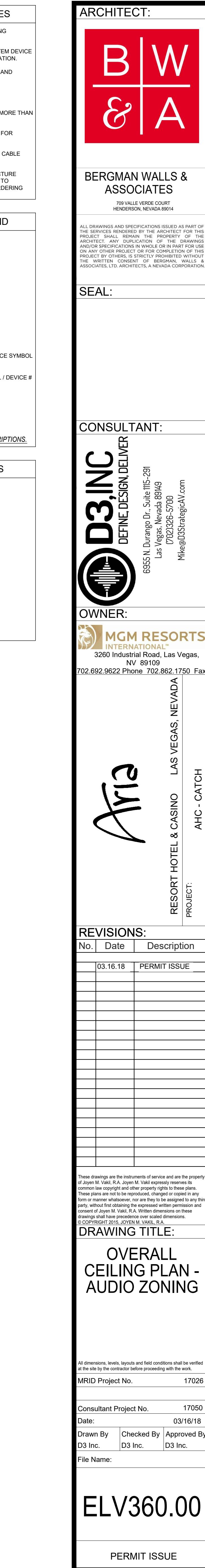
DRAWING TITLE:
**ENLARGED FLOOR PLAN -
AUDIO SYSTEM LAYOUT -
AREA C**

All dimensions, levels, layouts and field conditions shall be verified and checked by the architect before proceeding with the work.
MRID Project No. 17026

Consultant Project No. 17050
Date: 03/16/18
Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.
File Name: ELV262.03

Scale: 1/4" = 1'-0"
ELV262.03

UPDATED BACKGROUND



ARCHITECT:

BERGMAN WALLS & ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

AUDIO SYSTEM GENERAL NOTES

- REFER TO ARCHITECTURAL PLANS FOR EXACT MOUNTING LOCATION OF ALL AUDIO SYSTEM DEVICES SHOWN.
- REFER TO AUDIO SYSTEM SCHEDULES FOR AUDIO SYSTEM DEVICE DESCRIPTION, CABLING TYPE AND ADDITIONAL INFORMATION.
- REFER TO CORRESPONDING RACK ELEVATION DETAILS AND SCHEMATIC DIAGRAMS FOR ADDITIONAL INFORMATION.
- INTEGRATOR/INSTALLER SHALL NOT PROVIDE/AFFIX MANUFACTURER LABELS ON ANY SPEAKER GRILLS.
- ALL SPEAKERS SHOWN CAN BE MOVED AS NEEDED NO MORE THAN 12' IN ANY DIRECTION.
- REFER TO DEVICE TYPE SCHEDULE ON SHEET AV00.02 FOR ADDITIONAL INFORMATION.
- REFER TO SHEET AV00.02 CABLE TYPE SCHEDULE FOR CABLE TYPE DESCRIPTION AND ADDITIONAL INFORMATION.
- ALL MEYER SPEAKER TYPES TO BE ORDERED MANUFACTURE PAINT MATCH ADJACENT SURFACES. COORDINATE TO PROVIDE PAINT COLORS TO MANUFACTURE BEFORE ORDERING SPEAKERS.

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE SERVICES RENDERED BY THE PROPERTY OF THE ARCHITECT AND ARE THE PROPERTY OF THE ARCHITECT. ANY COPIES MADE BY THE OWNER OR OTHER PERSONS ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS PROJECT MUST BE APPROVED BY THE ARCHITECT AND WITH THE WRITTEN CONSENT OF BERGMAN, WALLS & ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION

AUDIO SYSTEM DEVICE LEGEND

	DEVICE TYPE - MEYER - ASHY - SC CEILING MOUNTED AUDIO DEVICE SYMBOL
	DEVICE TYPE - MEYER - MM-4XP CEILING MOUNTED AUDIO DEVICE SYMBOL
	DEVICE TYPE - MEYER - UP-4XP CEILING MOUNTED AUDIO DEVICE SYMBOL
	DEVICE TYPE - MEYER - MM-10XP FLOOR MOUNTED SUBWOOFER AUDIO DEVICE SYMBOL
	DEVICE TYPE / LEVEL / DEVICE #
	CABLE TYPE / TR / AMP # / CHANNEL #

NOTE: REFER TO SHEET ELV-000.02 FOR DEVICE DESCRIPTIONS.

SEAL:

OWNER:
MGM RESORTS INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone, 702.662.1750 Fax

RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AHG - CATCH

REVISIONS:
No. Date Description
03.16.18 PERMIT ISSUE

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes in them at any time and without notice. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party, without the written consent of Joyen M. Vail, R.A. Written dimensions on these drawings are in feet and inches. © COPYRIGHT 2010 JOYEN M. VAIL, R.A.

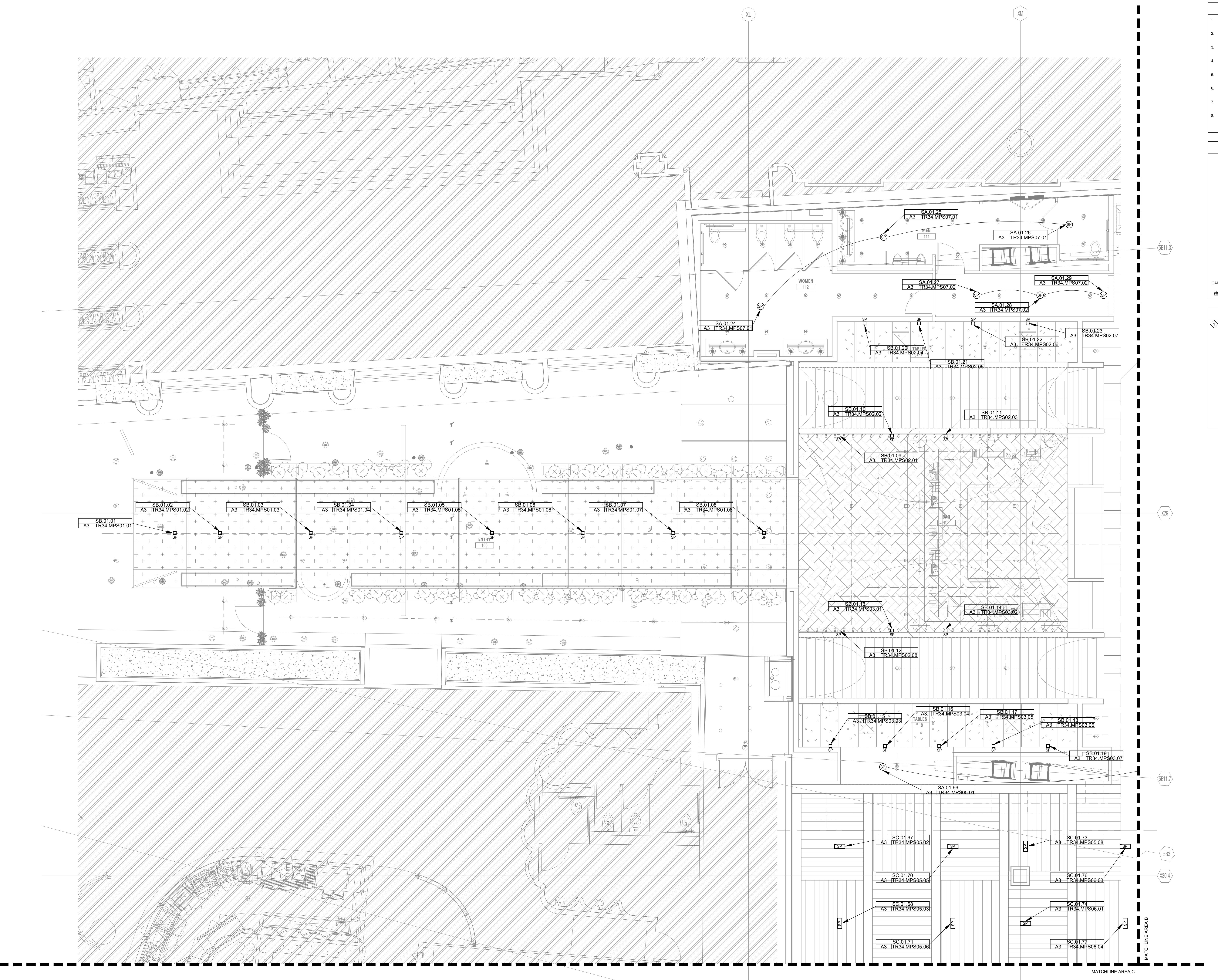
DRAWING TITLE:
**ENLARGED CEILING PLAN -
AUDIO SYSTEM LAYOUT -
AREA A**

All dimensions, levels, layouts and field conditions shall be verified and checked by the architect before proceeding with the work.
MRID Project No. 17026

Consultant Project No. 17050
Date: 03/16/18
Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.
File Name: ELV360.01

ELV360.01

PERMIT ISSUE



ARCHITECT:



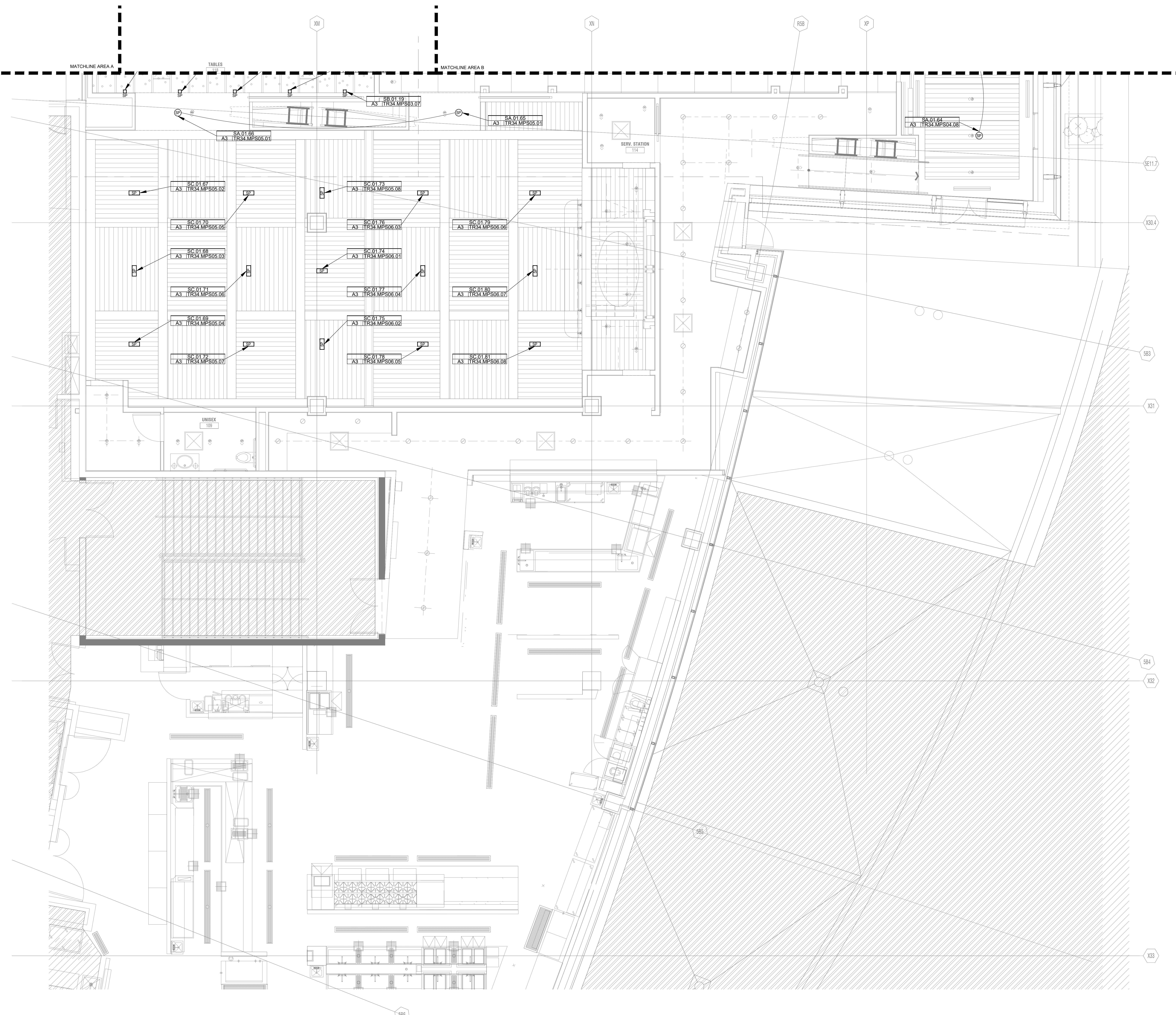
BERGMAN WALLS & ASSOCIATES

799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

- AUDIO SYSTEM GENERAL NOTES**
1. REFER TO ARCHITECTURAL PLANS FOR EXACT MOUNTING LOCATION OF ALL AUDIO SYSTEM DEVICES SHOWN.
 2. REFER TO AUDIO SYSTEM SCHEDULES FOR AUDIO SYSTEM DEVICE DESCRIPTION, CABLING TYPE AND ADDITIONAL INFORMATION.
 3. REFER TO CORRESPONDING RACK ELEVATION DETAILS AND SCHEMATIC DIAGRAMS FOR ADDITIONAL INFORMATION.
 4. INTEGRATOR/INSTALLER SHALL NOT PROVIDE/AFX MANUFACTURER LABELS ON ANY SPEAKER GRILLS.
 5. ALL SPEAKERS SHOWN CAN BE MOVED AS NEEDED NO MORE THAN 12" IN ANY DIRECTION.
 6. REFER TO DEVICE TYPE SCHEDULE ON SHEET AV00.02 FOR ADDITIONAL INFORMATION.
 7. REFER TO SHEET AV00.02 CABLE TYPE SCHEDULE FOR CABLE TYPE DESCRIPTION AND ADDITIONAL INFORMATION.
 8. ALL MEYER SPEAKER TYPES TO BE ORDERED MANUFACTURE FROM THE SAME MANUFACTURER. MATCH ADJACENT SURFACES. COORDINATE TO PROVIDE PAINT COLORS TO MANUFACTURE BEFORE ORDERING SPEAKERS.

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE SERVICES RENDERED BY THE PROPERTY OF THE ARCHITECT AND ENGINEER. THESE DRAWINGS ARE THE PROPERTY OF THE OWNER AND MAY NOT BE COPIED OR USED ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS PROJECT WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS & ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION

SEAL:



AUDIO SYSTEM GENERAL NOTES

1. REFER TO ARCHITECTURAL PLANS FOR EXACT MOUNTING LOCATION OF ALL AUDIO SYSTEM DEVICES SHOWN.
2. REFER TO AUDIO SYSTEM SCHEDULES FOR AUDIO SYSTEM DEVICE DESCRIPTION, CABLING TYPE AND ADDITIONAL INFORMATION.
3. REFER TO CORRESPONDING RACK ELEVATION DETAILS AND SCHEMATIC DIAGRAMS FOR ADDITIONAL INFORMATION.
4. INTEGRATOR/INSTALLER SHALL NOT PROVIDE/AFFIX MANUFACTURER LABELS ON ANY SPEAKER GRILLS.
5. ALL SPEAKERS SHOWN CAN BE MOVED AS NEEDED NO MORE THAN 12" IN ANY DIRECTION.
6. REFER TO DEVICE TYPE SCHEDULE ON SHEET AV00.02 FOR ADDITIONAL INFORMATION.
7. REFER TO SHEET AV00.02 CABLE TYPE SCHEDULE FOR CABLE TYPE DESCRIPTION AND ADDITIONAL INFORMATION.
8. ALL MEYER SPEAKER TYPES TO BE ORDERED MANUFACTURE PAINT CODES MATCH ADJACENT SURFACES. COORDINATE TO PROVIDE PAINT COLORS TO MANUFACTURE BEFORE ORDERING SPEAKERS.

ARCHITECT:
BW&A
BERGMAN WALLS & ASSOCIATES
709 VALLE VERDE COURT
HENRYSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE SERVICES RENDERED BY THE PROPERTY OF THE ARCHITECT AND ARE THE PROPERTY OF THE ARCHITECT. ANY COPIES MADE OF THESE DRAWINGS OR SPECIFICATIONS MUST BE MADE WITH THE WRITTEN CONSENT OF BERGMAN, WALLS & ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION.

SEAL:

CONSULTANT:

D3, INC
DEFINE DESIGN DELIVER
6955 N Durango Dr, Suite 115-281
Las Vegas, Nevada 89149
702.921.7650
Mike@D3Strategic.com

OWNER:
MGM RESORTS INTERNATIONAL
3260 Industrial Road, Las Vegas, NV 89109
702.692.9622 Phone: 702.862.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AH-C - CATCH

REVISIONS:
No. Date Description
03.16.18 PERMIT ISSUE

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes in these drawings at any time. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the written consent of Joyen M. Vail, R.A. Written dimensions on these drawings are in feet and inches. © COPYRIGHT 2018 JOYEN M. VAIL, R.A.


DRAWING TITLE:
**ENLARGED CEILING PLAN -
AUDIO SYSTEM LAYOUT -
AREA C**


All dimensions, levels, layouts and field conditions shall be verified and checked by the architect before proceeding with the work.
MRID Project No. 17026

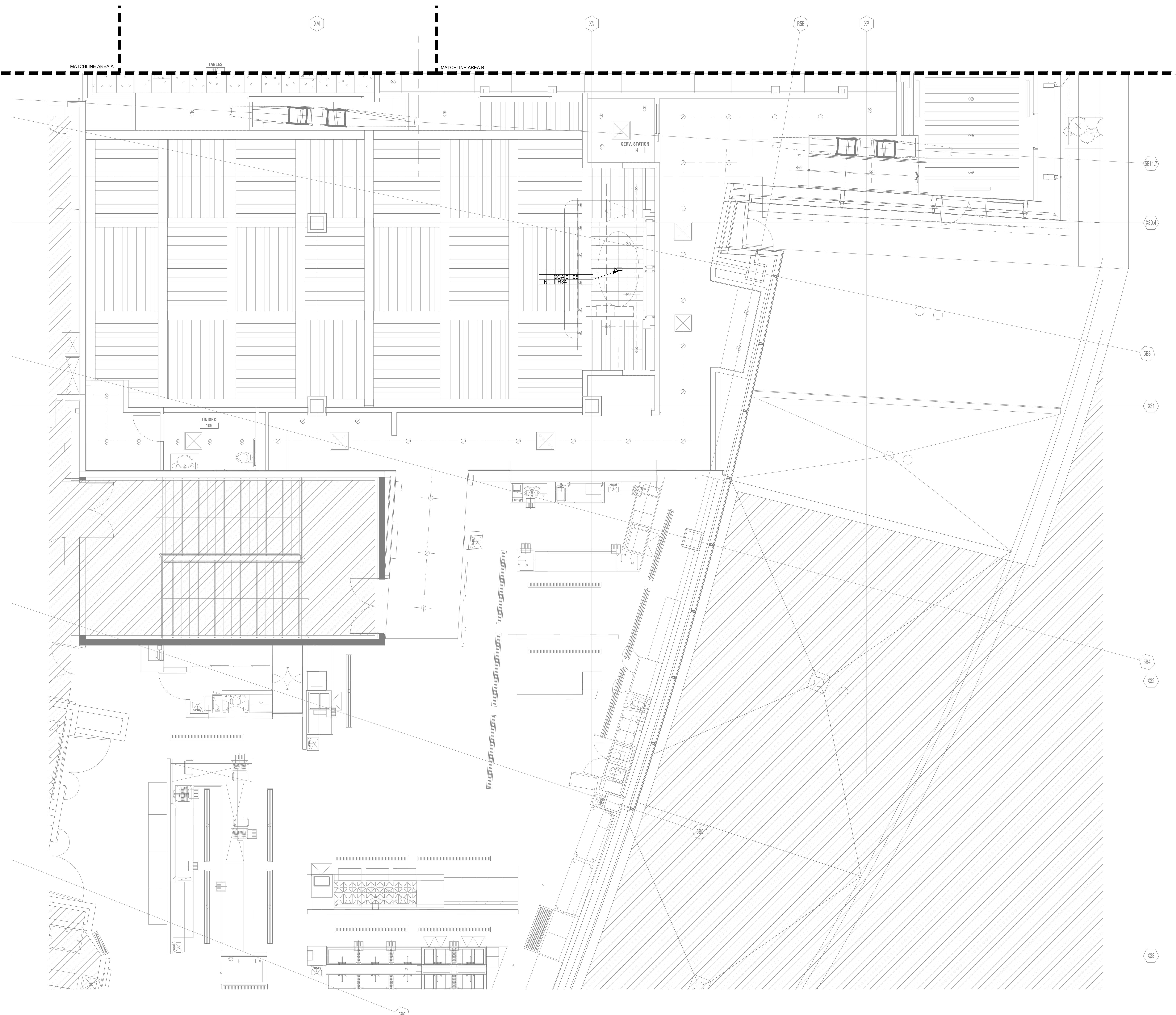
Consultant Project No. 17050
Date: 03/16/18
Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.
File Name:

ELV360.03

PERMIT ISSUE







SECURITY SYSTEM GENERAL NOTES	
1.	REFER TO ARCHITECTURAL PLANS FOR EXACT MOUNTING LOCATION OF ALL SECURITY SYSTEM DEVICES SHOWN
2.	REFER TO CORRESPONDING RACK ELEVATION DETAILS AND SCHEMATIC DIAGRAMS FOR ADDITIONAL INFORMATION
3.	COORDINATE EXACT LOCATION WITH OWNERS REPRESENTATIVE PRIOR TO INSTALLATION
4.	ALL SECURITY CAMERAS AND REWIRED CABLES ARE PROVIDED BY OWNER
5.	ALL SECURITY CAMERA CABLES TO TERMINATE AT CR09 SECURITY RACK, OR AS DESIGNATED BY MGM SECURITY REPRESENTATIVE.

ARCHITECT:	
B W & A	BERGMAN WALLS & ASSOCIATES 799 VALLE VERDE COURT HENDERSON, NEVADA 89014

SECURITY SYSTEM DEVICE LEGEND	
	DEVICE TYPE - SECURITY CAMERA PROVIDED BY MGM CC01 SYMBOL
	DEVICE TYPE / LEVEL / DEVICE #
	CABLE TYPE TR NAME / DEVICE # / CH #

NOTE: REFER TO SHEET ELV-000-02 FOR DEVICE DESCRIPTIONS.

CONSULTANT:	
D3, INC. DEFINE DESIGN DELIVER	6955 N. Durango Dr. Suite 115-281 Las Vegas, Nevada 89149 702.621.5700 Mike@D3Strategic.com

OWNER:	
MGM RESORTS INTERNATIONAL	3260 Industrial Road, Las Vegas, NV 89109 702.692.9622 Phone: 702.862.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA PROJECT: AHG - CATCH

REVISIONS:		
No.	Date	Description
03.16.18		PERMIT ISSUE

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes in these drawings at any time and without notice. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the express written consent of Joyen M. Vail, R.A. Written dimensions on these drawings are in inches. © COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:
ENLARGED CEILING PLAN - SECURITY SYSTEM LAYOUT - AREA C

All dimensions, levels, layouts and field conditions shall be verified and checked by the owner before proceeding with the work.
MRID Project No. 17026
Consultant Project No. 17050
Date: 03/16/18
Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.
File Name:

ELV361.03

PERMIT ISSUE

ARCHITECT:



BERGMAN WALLS &
ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE
PROJECT DOCUMENTS REMAIN THE PROPERTY OF THE
ARCHITECT, AND SHALL NOT BE COPIED OR USED
ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS
PROJECT, WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS &
ASSOCIATES LTD ARCHITECTS, A NEVADA CORPORATION.

SEAL:

CONSULTANT:



DEFINe DESIGN DELIVER
6955 N Durango Dr, Suite 115-281
Las Vegas, Nevada 89149
(702) 212-5700
Mike@D3Strategic.com

OWNER:

MGM RESORTS
INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone 702.862.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT:
AHC - CATCH

REVISIONS:

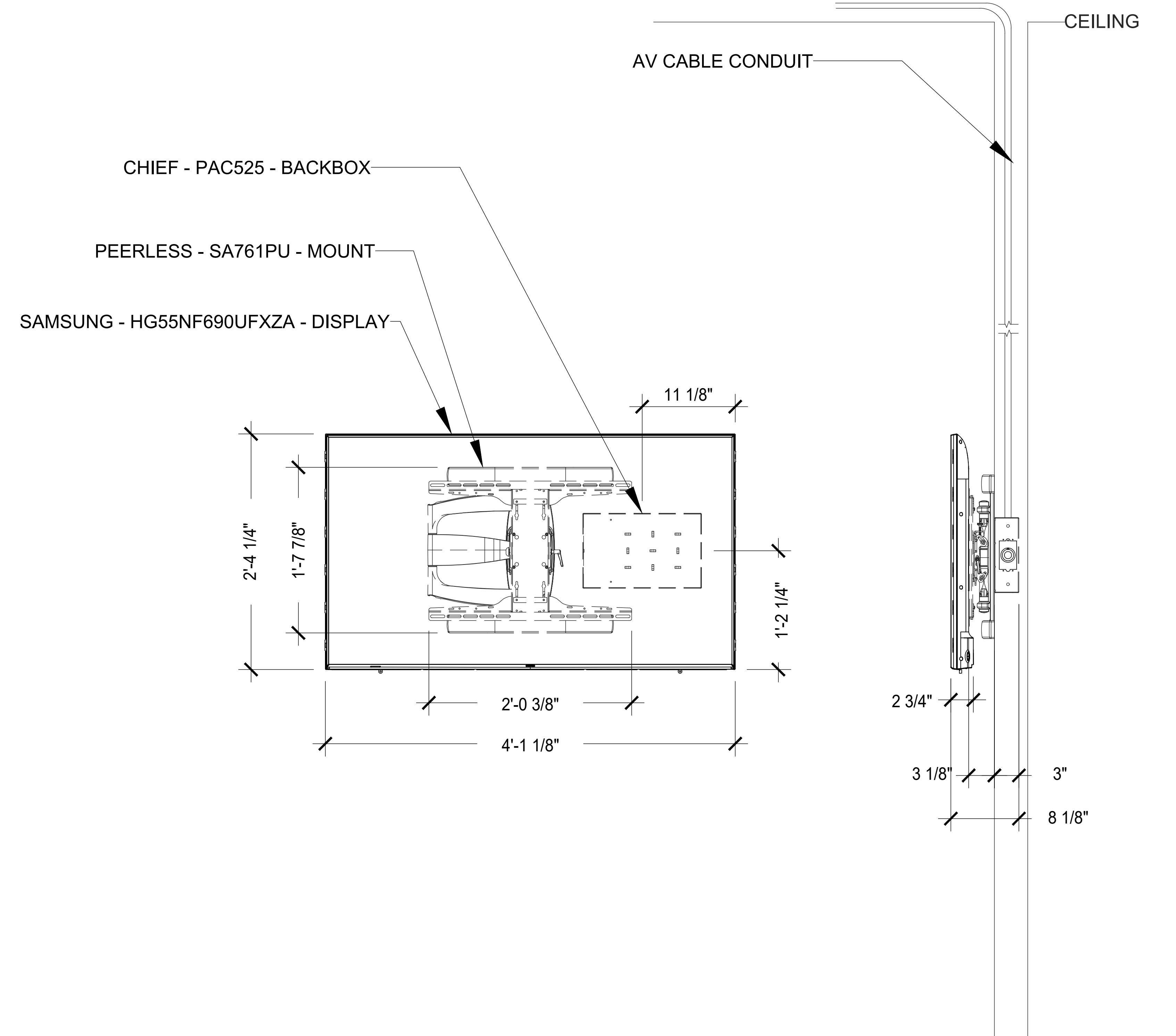
No.	Date	Description
03.16.18		PERMIT ISSUE

These drawings are the instruments of service and are the property
of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the
right to make changes in them at any time and without notice.
These plans are not to be reproduced, changed or copied in any
form, whole or in part, or in any manner whatsoever, nor are they to be assigned to any
third party, without the express written consent of Joyen M. Vail, R.A. Written dimensions on these
plans supersede all other dimensions.

© COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:

TYPICAL
DISPLAY
ELEVATION



1 TYPICAL 55" SAMSUNG DISPLAY ELEVATION

Scale: 1 1/2" = 1'-0"

All dimensions, levels, layouts and field conditions shall be verified
and checked by the architect before proceeding with the work.

MRID Project No. 17026

Consultant Project No. 17050

Date: 03/16/18

Drawn By D3 Inc.

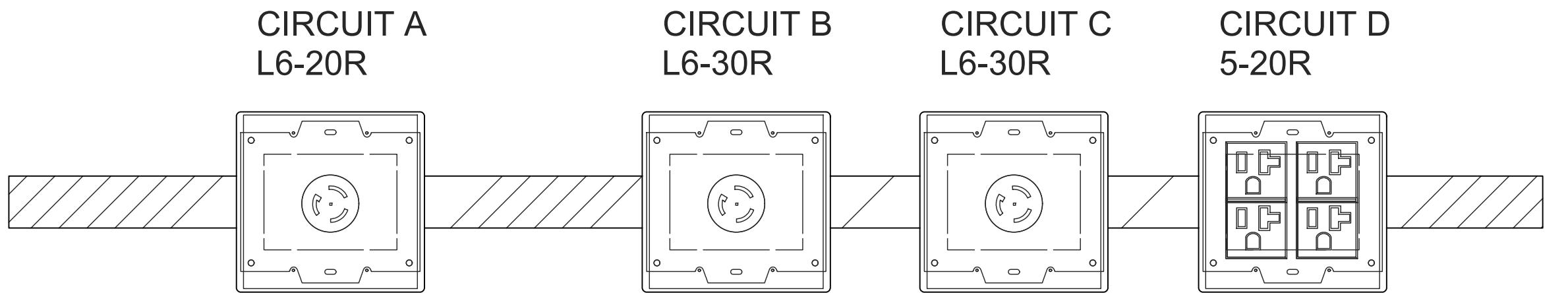
Checked By D3 Inc.

Approved By D3 Inc.

File Name:

ELV400.01

PERMIT ISSUE



GENERAL NOTES

- REFER TO ELECTRICAL DRAWINGS FOR CIRCUIT DESCRIPTION AND ADDITIONAL REQUIREMENTS.
- VERIFY / COORDINATE EXACT LOCATION OF MASTER LIGHTING DIMMER / CONTROL PANEL AND EXTEND A TYPE "N" CABLE TO AVAILABLE PORT IN AV NETWORK SWITCH IN AV RACK IN TR34



BERGMAN WALLS & ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE SERVICES RENDERED BY THE ARCHITECT FOR THIS PROJECT SHALL REMAIN THE PROPERTY OF THE ARCHITECT, AND SHALL NOT BE COPIED OR REPRODUCED IN WHOLE OR IN PART, OR ANY OTHER PROJECT OR FOR COMPLETION OF THIS PROJECT, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT AND THE WRITTEN CONSENT OF BERGMAN, WALLS & ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION.

SEAL:

AUDIO SYSTEM KEYED NOTES

36" x 36" HOFFMAN BOX IN A NEMA-1 ENCLOSURE FOR NEW SPEAKER WIRE TERMINATION WAGO BLOCK. REFER TO SHEET ELV450.01 FOR ADDITIONAL INFORMATION.

CONSULTANT:



OWNER:
MGM RESORTS INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone 702.662.1750 Fax
Mike@D3Strategic.com

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AH-C - CATCH

REVISIONS:
No. Date Description
03.16.18 PERMIT ISSUE
▲ 03.30.18 ADDENDUM A

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes in these drawings at any time. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the written consent of Joyen M. Vail, R.A. Written dimensions on these drawings are in inches. © COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:
TR34 RACK ELEVATION AND EQUIPMENT LAYOUT

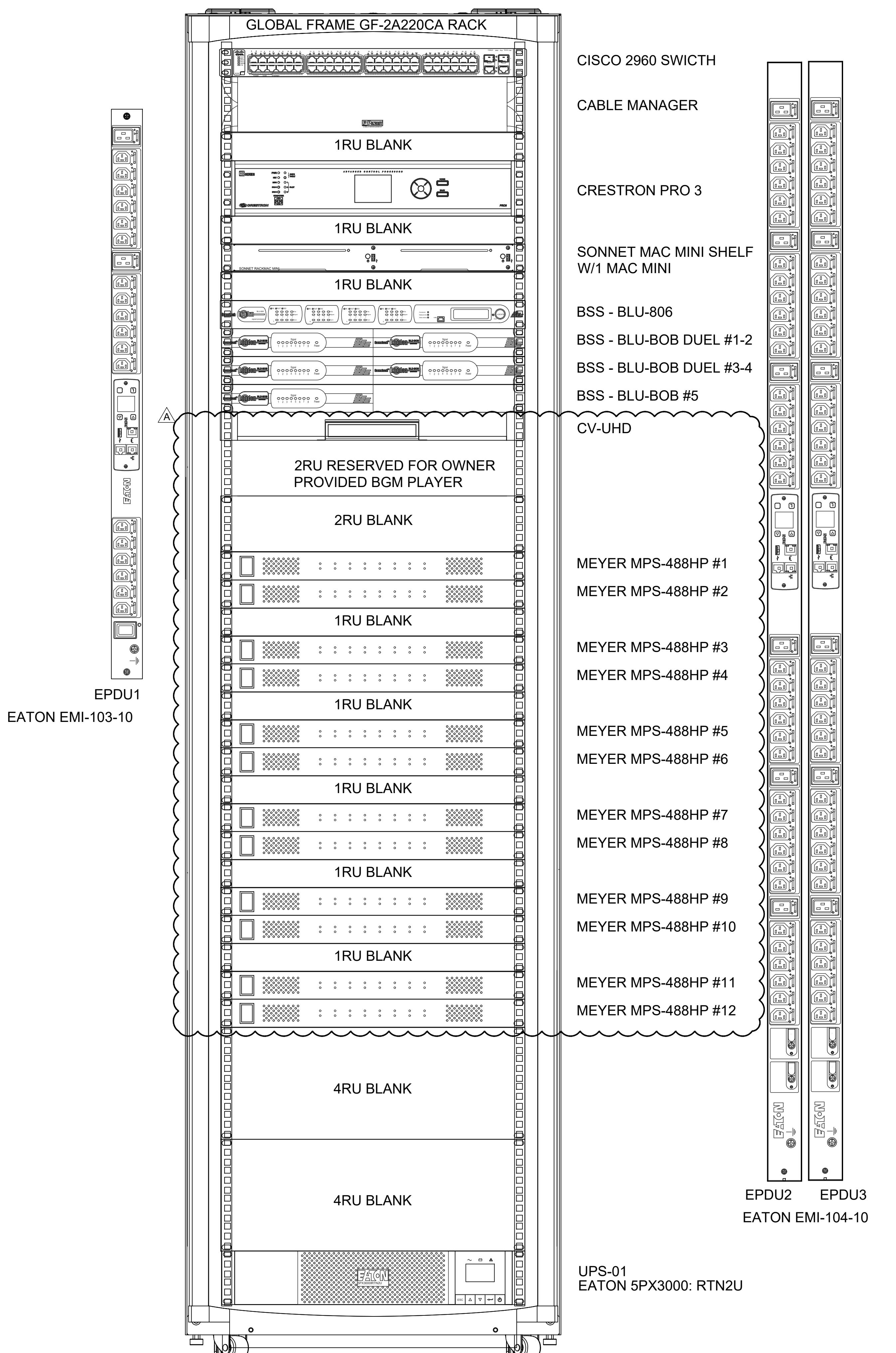
All dimensions, levels, layouts and field conditions shall be verified and checked by the architect before proceeding with the work.
MRID Project No. 17026

Consultant Project No. 17050
Date: 03/16/18
Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.

File Name:

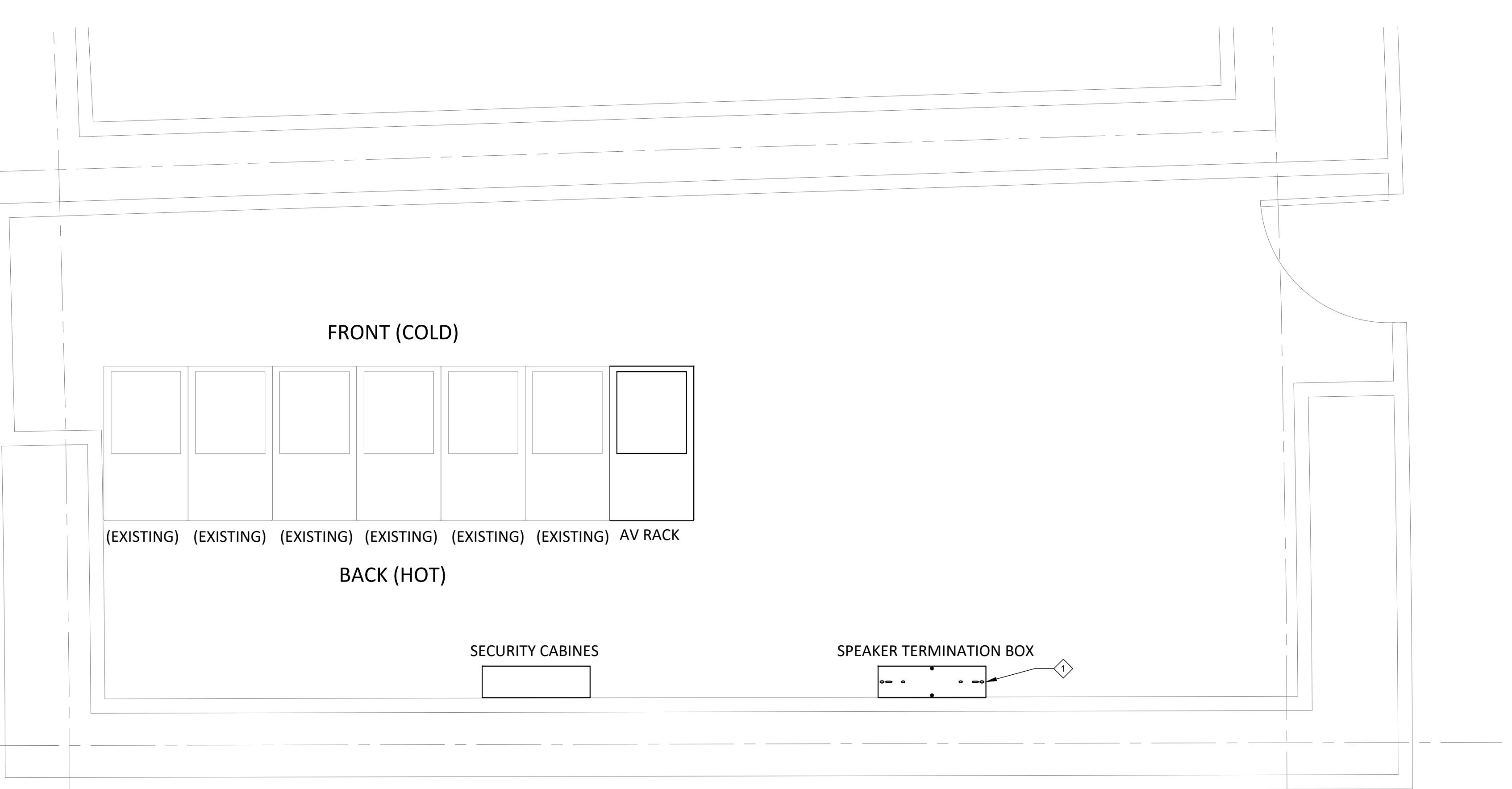
ELV450.01

PERMIT ISSUE



1 CR34 RACK LAYOUT

Scale: 1/2"=1'-0"



2 CR34 RACK ROOM LAYOUT

Scale: 1/2"=1'-0"

PERMIT ISSUE



BERGMAN WALLS &
ASSOCIATES
1799 VALLEY VIEGE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE PROJECT SHALL REMAIN THE PROPERTY OF THE ARCHITECT AND NOT BE COPIED OR REPRODUCED IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS & ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION.

SEAL:

CONSULTANT:



OWNER:

3260 Industrial Road, Las Vegas,
NV 89109

702.692.9622 Phone 702.862.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AHC - CATCH

REVISIONS:

No.	Date	Description
03.16.18	03.30.18	PERMIT ISSUE ADDENDUM A

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes in them at any time. These drawings may not be reproduced, changed or copied in any manner, whole or in part, without the written consent of Joyen M. Vail, R.A. Written dimensions on these drawings supersede all other dimensions.

© COPYRIGHT 2010 JOYEN M. VAIL, R.A.

DRAWING TITLE:

AUDIO SYSTEM SCHEDULE

All dimensions, levels, layouts and field conditions shall be verified by the architect before proceeding with the work.
MRID Project No. 17026

Consultant Project No. 17050

Date: 03/16/18

Drawn By D3 Inc.

Checked By D3 Inc.

Approved By D3 Inc.

File Name:

ELV500.01

PERMIT ISSUE

Level	Room	Cons RM#	Sheet #	Device ID	Wire Label	Manufacture	Part Number	Responsibility	Backbox	Mount Type	Grill / Cover Type	Dimension	Diag. Dimension	Weight	Wire Type	Wire Color	Wattage
Casino	Bar	102	ELV360.01	SB.01.09	TR34.MPS02.01	Meyer	MM-4XP	OFCI	Built-In	MUB-MM4XP	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Bar	102	ELV360.01	SB.01.10	TR34.MPS02.02	Meyer	MM-4XP	OFCI	Built-In	MUB-MM4XP	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Bar	102	ELV360.01	SB.01.11	TR34.MPS02.03	Meyer	MM-4XP	OFCI	Built-In	MUB-MM4XP	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Bar	102	ELV360.01	SB.01.12	TR34.MPS02.08	Meyer	MM-4XP	OFCI	Built-In	MUB-MM4XP	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Bar	102	ELV360.01	SB.01.13	TR34.MPS03.01	Meyer	MM-4XP	OFCI	Built-In	MUB-MM4XP	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Bar	102	ELV360.01	SB.01.14	TR34.MPS03.02	Meyer	MM-4XP	OFCI	Built-In	MUB-MM4XP	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Bar	102	ELV360.01	SB.01.15	TR34.MPS03.03	Meyer	MM-4XP	OFCI	Built-In	MUB-MM4XP	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Bar	102	ELV360.01	SB.01.16	TR34.MPS03.04	Meyer	MM-4XP	OFCI	Built-In	MUB-MM4XP	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Bar	102	ELV360.01	SB.01.17	TR34.MPS03.05	Meyer	MM-4XP	OFCI	Built-In	MUB-MM4XP	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Bar	102	ELV360.01	SB.01.18	TR34.MPS03.06	Meyer	MM-4XP	OFCI	Built-In	MUB-MM4XP	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Bar	102	ELV360.01	SB.01.19	TR34.MPS03.07	Meyer	MM-4XP	OFCI	Built-In	MUB-MM4XP	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Bar	102	ELV360.01	SB.01.20	TR34.MPS02.04	Meyer	MM-4XP	OFCI	Built-In	MUB-MM4XP	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Bar	102	ELV360.01	SB.01.21	TR34.MPS02.05	Meyer	MM-4XP	OFCI	Built-In	MUB-MM4XP	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Bar	102	ELV360.01	SB.01.22	TR34.MPS02.06	Meyer	MM-4XP	OFCI	Built-In	MUB-MM4XP	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Bar	102	ELV360.01	SB.01.23	TR34.MPS02.07	Meyer	MM-4XP	OFCI	Built-In	MUB-MM4XP	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Bar	102	ELV262.01	SD.01.05	TR34.MPS08.07	Meyer	MM-10XP	OFCI	Built-In	Floor Mount	Included	19" x 11" x 12"	10"	26.7lbs	Belden 1502R	Black	Self-Powered
Casino	Bar	102	ELV262.01	SD.01.06	TR34.MPS08.08	Meyer	MM-10XP	OFCI	Built-In	Floor Mount	Included	19" x 11" x 12"	10"	26.7lbs	Belden 1502R	Black	Self-Powered
Casino	Bar	102	ELV262.01	SD.01.07	TR34.MPS09.01	Meyer	MM-10XP	OFCI	Built-In	Floor Mount	Included	19" x 11" x 12"	10"	26.7lbs	Belden 1502R	Black	Self-Powered
Casino	Bar	102	ELV262.01	SD.01.08	TR34.MPS09.02	Meyer	MM-10XP	OFCI	Built-In	Floor Mount	Included	19" x 11" x 12"	10"	26.7lbs	Belden 1502R	Black	Self-Powered
Casino	Dining	104	ELV360.02	SA.01.35	TR34.MPS07.03	Meyer	Ashby-5c	OFCI	Built-In	InCeiling	Included	8.92" x 7.17"	5"	7.8lbs	Belden 1502R	Black	Self-Powered
Casino	Dining	104	ELV360.02	SA.01.36	TR34.MPS07.03	Meyer	Ashby-5c	OFCI	Built-In	InCeiling	Included	8.92" x 7.17"	5"	7.8lbs	Belden 1502R	Black	Self-Powered
Casino	Dining	104	ELV360.02	SA.01.37	TR34.MPS07.03	Meyer	Ashby-5c	OFCI	Built-In	InCeiling	Included	8.92" x 7.17"	5"	7.8lbs	Belden 1502R	Black	Self-Powered
Casino	Dining	104	ELV360.02	SA.01.38	TR34.MPS07.04	Meyer	Ashby-5c	OFCI	Built-In	InCeiling	Included	8.92" x 7.17"	5"	7.8lbs	Belden 1502R	Black	Self-Powered
Casino	Dining	104	ELV360.02	SA.01.39	TR34.MPS07.04	Meyer	Ashby-5c	OFCI	Built-In	InCeiling	Included	8.92" x 7.17"	5"	7.8lbs	Belden 1502R	Black	Self-Powered
Casino	Dining	104	ELV360.02	SA.01.40	TR34.MPS07.04	Meyer	Ashby-5c	OFCI	Built-In	InCeiling	Included	8.92" x 7.17"	5"	7.8lbs	Belden 1502R	Black	Self-Powered
Casino	Dining	104	ELV360.02	SA.01.41	TR34.MPS07.05	Meyer	Ashby-5c	OFCI	Built-In	InCeiling	Included	8.92" x 7.17"	5"	7.8lbs	Belden 1502R	Black	Self-Powered
Casino	Dining	104	ELV360.02	SA.01.42	TR34.MPS07.05	Meyer	Ashby-5c	OFCI	Built-In	InCeiling	Included	8.92" x 7.17"	5"	7.8lbs	Belden 1502R	Black	Self-Powered
Casino	Dining	104	ELV360.02	SA.01.43	TR34.MPS07.06	Meyer	Ashby-5c	OFCI	Built-In	InCeiling	Included	8.92" x 7.17"	5"	7.8lbs	Belden 1502R	Black	Self-Powered
Casino	Dining	104	ELV360.02	SA.01.44	TR34.MPS07.06	Meyer	Ashby-5c	OFCI	Built-In	InCeiling	Included	8.92" x 7.17"	5"	7.8lbs	Belden 1502R	Black	Self-Powered
Casino	Dining	104	ELV360.02	SA.01.45	TR34.MPS07.06	Meyer	Ashby-5c	OFCI	Built-In	InCeiling	Included	8.92" x 7.17"	5"	7.8lbs	Belden 1502R	Black	Self-Powered
Casino	Dining	104	ELV360.02	SA.01.46	TR34.MPS07.07	Meyer	Ashby-5c	OFCI	Built-In	InCeiling	Included	8.92" x 7.17"	5"	7.8lbs	Belden 1502R	Black	Self-Powered
Casino	Dining	104	ELV360.02	SA.01.47	TR34.MPS07.07	Meyer	Ashby-5c	OFCI	Built-In	InCeiling	Included	8.92" x 7.17"	5"	7.8lbs	Belden 1502R	Black	Self-Powered
Casino	Dining	104	ELV360.02	SA.01.48	TR34.MPS07.07	Meyer	Ashby-5c	OFCI	Built-In	InCeiling	Included	8.92" x 7.17"	5"	7.8lbs	Belden 1502R	Black	Self-Powered
Casino	Dining	104	ELV360.02	SA.01.49	TR34.MPS07.08	Meyer	Ashby-5c	OFCI	Built-In	InCeiling	Included	8.92" x 7.17"	5"	7.8lbs	Belden 1502R	Black	Self-Powered
Casino	Dining	104	ELV360.02	SA.01.50	TR34.MPS07.08	Meyer	Ashby-5c	OFCI	Built-In	InCeiling	Included	8.92" x 7.17"	5"	7.8lbs	Belden 1502R	Black	Self-Powered
Casino	Dining	104	ELV360.02	SA.													

Level	Room	Cons RM#	Sheet #	Device ID	Wire Label	Manufacture	Part Number	Responsibility	Backbox	Mount Type	Grill / Cover Type	Dimension	Diag. Dimension	Weight	Wire Type	Wire Color	Wattage
Casino	Private Dining	107	ELV360.02	SA.01.64	TR34.MPS04.08	Meyer	Ashby-5c	OFCI	Built-In	InCeiling	Included	8.92" x 7.17"	5"	7.8lbs	Belden 1502R	Black	Self-Powered
Casino	Private Dining	107	ELV262.02	SD.01.16	TR34.MPS10.02	Meyer	MM-10XP	OFCI	Built-In	Floor Mount	Included	19" x 11" x 12"	10"	26.7lbs	Belden 1502R	Black	Self-Powered
Casino	Private Dining	107	ELV262.02	SD.01.17	TR34.MPS10.03	Meyer	MM-10XP	OFCI	Built-In	Floor Mount	Included	19" x 11" x 12"	10"	26.7lbs	Belden 1502R	Black	Self-Powered
Casino	Private Dining	107	ELV262.02	SD.01.18	TR34.MPS10.04	Meyer	MM-10XP	OFCI	Built-In	Floor Mount	Included	19" x 11" x 12"	10"	26.7lbs	Belden 1502R	Black	Self-Powered
Casino	Sushi Bar	103	ELV360.02	SB.01.30	TR34.MPS03.08	Meyer	MM-4XPD	OFCI	Built-In	MUB-MM4XPD	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Sushi Bar	103	ELV360.02	SB.01.31	TR34.MPS04.01	Meyer	MM-4XPD	OFCI	Built-In	MUB-MM4XPD	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Sushi Bar	103	ELV360.02	SB.01.32	TR34.MPS04.02	Meyer	MM-4XPD	OFCI	Built-In	MUB-MM4XPD	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Sushi Bar	103	ELV360.02	SB.01.33	TR34.MPS04.03	Meyer	MM-4XPD	OFCI	Built-In	MUB-MM4XPD	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Sushi Bar	103	ELV360.02	SB.01.34	TR34.MPS04.04	Meyer	MM-4XPD	OFCI	Built-In	MUB-MM4XPD	Included	4.04" x 5.21"	4"	5.2lbs	Belden 1502R	Black	Self-Powered
Casino	Sushi Bar	103	ELV262.02	SD.01.09	TR34.MPS09.03	Meyer	MM-10XP	OFCI	Built-In	Floor Mount	Included	19" x 11" x 12"	10"	26.7lbs	Belden 1502R	Black	Self-Powered
Casino	Womens Restrooms	112	ELV360.01	SA.01.24	TR34.MPS07.01	Meyer	Ashby-5c	OFCI	Built-In	InCeiling	Included	8.92" x 7.17"	5"	7.8lbs	Belden 1502R	Black	Self-Powered



BERGMAN WALLS & ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE SERVICES RENDERED BY THE ARCHITECT FOR THIS PROJECT SHALL REMAIN THE PROPERTY OF THE ARCHITECT, AND SHALL NOT BE COPIED OR USED BY ANY OTHER PERSON OR FOR COMPLETION OF THIS PROJECT OR ANY OTHER PROJECT, WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS & ASSOCIATES LTD ARCHITECTS, A NEVADA CORPORATION.

SEAL:

1 AUDIO SYSTEM SCHEDULE

Scale: NTS

Level	Room	Cons RM#	Sheet #	Device ID	Wire Label	Manufacture	Part Number	Responsibility	Backbox	Overall Dimension	Diag. Dimension	Power	Wire Color	Wire Type	Orientation	Height AFF OC
Casino	Bar	102	ELV260.01	TPA.01.02	TR34	Crestron	TSW-1060-B-S	IFII	TSW-1060-TTK	6.46" x 10.12" x 2.03"	10"	P.O.E.	BLUE	SIEMON 9C64-E2-(06)-RXA	Landscape	48"
Casino	Entry	100	ELV260.01	TPA.01.01	TR34	Crestron	TSW-1060-B-S	IFII	TSW-1060-TTK	6.46" x 10.12" x 2.03"	10"	P.O.E.	BLUE	SIEMON 9C64-E2-(06)-RXA	Landscape	48"
Casino	Private Dining	107	ELV262.02	TPB.01.03	TR34	Crestron	TSW-760-B-S	IFII	2Gang Deep	4.74" x 7.59" x 2.03"	7"	P.O.E.	BLUE	SIEMON 9C64-E2-(06)-RXA	Landscape	48"
Casino	Private Dining	107	ELV262.02	TPB.01.04	TR34	Crestron	TSW-760-B-S	IFII	2Gang Deep	4.74" x 7.59" x 2.03"	7"	P.O.E.	BLUE	SIEMON 9C64-E2-(06)-RXA	Landscape	48"
Casino	Private Dining	107	ELV262.02	TPB.01.05	TR34	Crestron	TSW-760-B-S	IFII	2Gang Deep	4.74" x 7.59" x 2.03"	7"	P.O.E.	BLUE	SIEMON 9C64-E2-(06)-RXA	Landscape	48"
Casino	Patio	116	ELV262.03	KPA.01.01	TR34.PRO3.NET01	Crestron	CNX-B6	IFII	Single Gang	N/A	N/A	CRESNET	BLUE	BELDEN 1502SB	Portrait	48"
Casino	Dining	104	ELV262.02	TPA.01.07	TR34	Crestron	TSW-1060-B-S	IFII	3G Deep w/2G MR	6.46" x 10.12" x 2.03"	10"	P.O.E.	BLUE	SIEMON 9C64-E2-(06)-RXA	Landscape	48"
Casino	LoungerDining	110	ELV262.02	TPA.01.06	TR34	Crestron	TSW-1060-B-S	IFII	3G Deep w/2G MR	6.46" x 10.12" x 2.03"	10"	P.O.E.	BLUE	SIEMON 9C64-E2-(06)-RXA	Landscape	48"

CONSULTANT:



OWNER:
MGM RESORTS INTERNATIONAL
3260 Industrial Road, Las Vegas, NV 89109

702.692.9622 Phone: 702.862.1750 Fax: Mike@D3Strategic.com

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AHG - CATCH

2 CONTROL SYSTEM SCHEDULE

Scale: NTS

REVISIONS:
No. Date Description
03.16.18 PERMIT ISSUE
03.30.18 ADDENDUM A

Level	Room	Cons RM#	Sheet #	Device ID	Manufacture	Part Number	Responsibility	Backbox	Overall Dimension	Diag. Dimension	Orientation	Power	Weight	Wire Type	Wire Color	Mount Type	Player Type
Casino	Bar	102	ELV.262.01	DDA.01.01	Samsung	HG55NF690UFXZA	OFCI	PAC525	48.9" x 28.3" x 2.5"	55"	Landscape	120VAC	32.4lbs	SIEMON 9C64-E2-(06)-RXA	BLUE	PEERLESS - SA761PU	CV-UHD
Casino	Bar	102	ELV.262.01	DDA.01.02	Samsung	HG55NF690UFXZA	OFCI	PAC525	48.9" x 28.3" x 2.5"	55"	Landscape	120VAC	32.4lbs	SIEMON 9C64-E2-(06)-RXA	BLUE	PEERLESS - SA761PU	CV-UHD
Casino	Entry	100	ELV260.01	ddb.01.03	NEC	TSI48PNPHPGJGZZ	OFCI	Millwork	44.06" x 26.18" x 2.34"	48"	Portrait	120VAC	60lbs	SIEMON 9C64-E2-(06)-RXA	BLUE	PEERLESS - DS-VW765-PQR	MacMini

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes and modifications to these drawings at any time without notice or obligation. These drawings shall not be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the express written consent of Joyen M. Vail, R.A. Joyen M. Vail, R.A. Written dimensions on these drawings are approximate and are to be checked by the user before proceeding with the work.

© COPYRIGHT 2018 JOYEN M. VAIL, R.A.
DRAWING TITLE:

AUDIO VISUAL
SYSTEM
SCHEDULES

All dimensions, levels, layouts and field conditions shall be verified and checked by the user before proceeding with the work.

MRID Project No. 17026

Consultant Project No. 17050

Date: 03/16/18

Drawn By D3 Inc. Checked By Approved By D3 Inc.

File Name: ELV500.02

PERMIT ISSUE

3 VIDEO SYSTEM SCHEDULE

Scale: NTS

ELV500.02



BERGMAN WALLS & ASSOCIATES

799 VALLE VERDE COURT
HENDERSON, NEVADA 89014ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE
PROJECT DOCUMENTS REMAIN THE PROPERTY OF THE
ARCHITECT AND ARE NOT TO BE COPIED OR USED
ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS
PROJECT WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS &
ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION.

SEAL:

CONSULTANT:



DEFINE DESIGN DELIVER

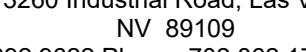
6955 N. Durango Dr. Suite 115-281

Las Vegas, Nevada 89149

(702) 212-5700

Mike@D3Strategic.com

OWNER:



MGM RESORTS INTERNATIONAL

3260 Industrial Road, Las Vegas,

NV 89109

702.692.9622 Phone 702.862.1750 Fax

RESORT HOTEL & CASINO LAS VEGAS, NEVADA

PROJECT:

REVISIONS:

No. Date Description

03.16.18 PERMIT ISSUE

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes at any time without notice or obligation. These plans are not to be reproduced, changed or copied in any manner, whole or in part, without the written consent of Joyen M. Vail, R.A. Written dimensions on these drawings are in inches. © COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:

TR34 SPEAKER LINE WAGO SYSTEM SCHEMATIC DIAGRAM

All dimensions, levels, layouts and field conditions shall be verified and checked by the contractor before proceeding with work.
MRID Project No. 17026

Consultant Project No. 17050

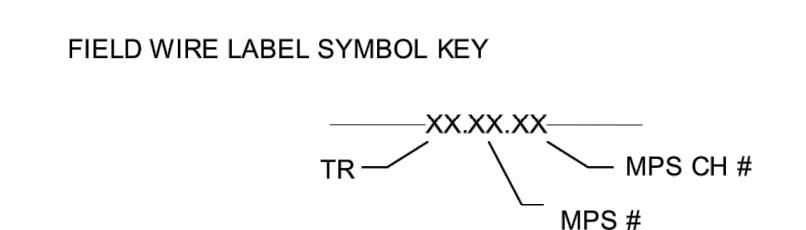
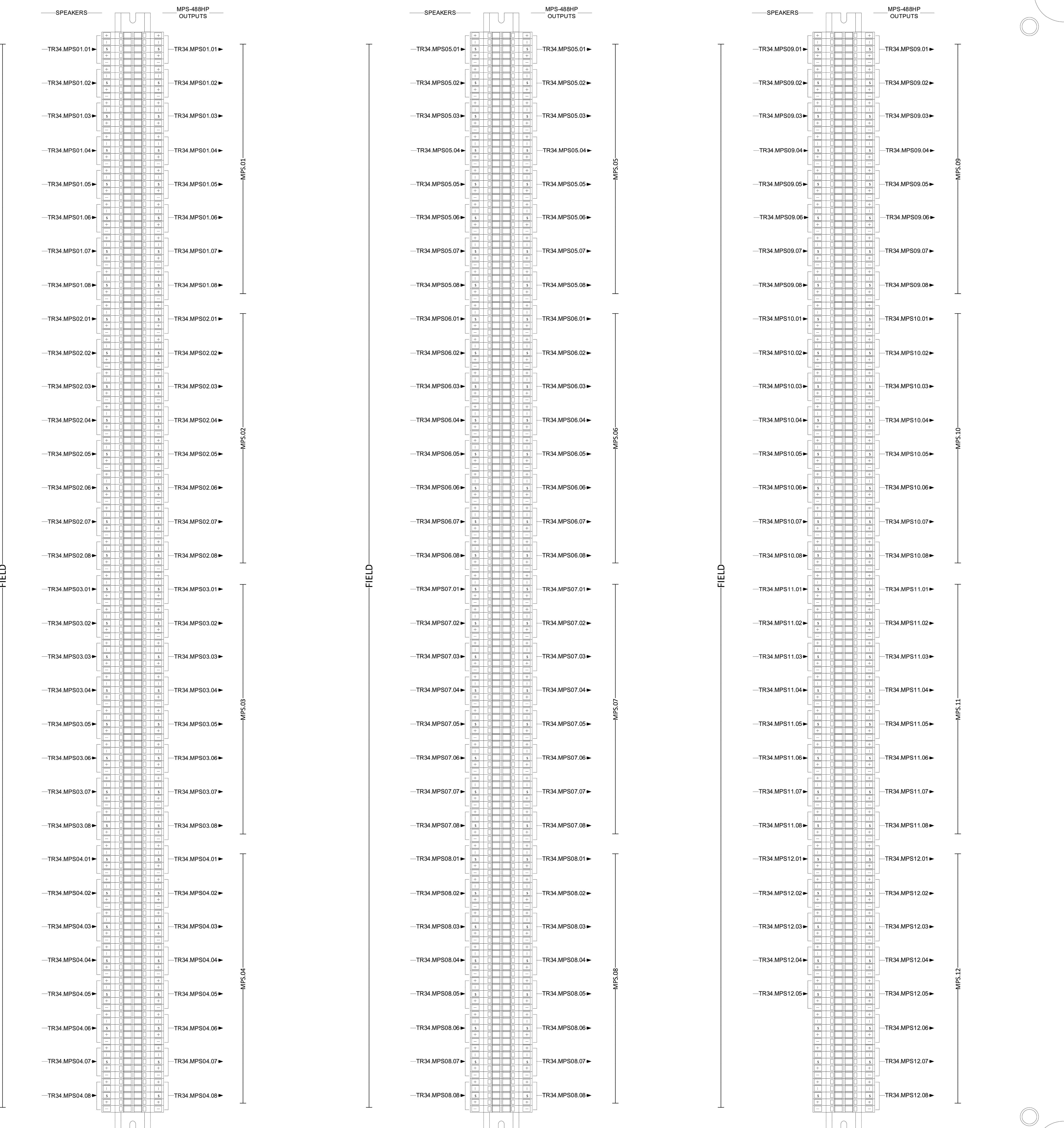
Date: 03/16/18

Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.

File Name:

ELV600.01

PERMIT ISSUE



NOTE:

HOFFMAN WALL MOUNT ENCLOSURE –
RECOMMENDED SIZE TO BE 36" x 36" HINGED.

DESIGNED WAGO LAYOUT FOR REFERENCE ONLY.

CONTRACTOR TO PROVIDE PROPOSED LAYOUT IN
SHOP DRAWINGS BASED ON WAGO BLOCK
SELECTION AND PROCUREMENT.CONTRACTOR TO PROVIDE LAMINATED CARD WITH
CORRESPONDING LABELS TO ALIGN TO DENOTED
CABLE SPACES.



BERGMAN WALLS & ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THIS PROJECT SHALL REMAIN THE PROPERTY OF THE ARCHITECT, AND SHALL NOT BE COPIED OR USED BY ANY OTHER PERSON OR ENTITY, IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF BERGMAN, WALLS & ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION.

SEAL:

CONSULTANT:



OWNER:
MGM RESORTS INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone 702.862.1750 Fax
Mike@D3Strategic.com

AHC - CATCH
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT:

REVISIONS:
No. Date Description
03.16.18 PERMIT ISSUE

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes in these drawings at any time. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the written consent of Joyen M. Vail, R.A. Written dimensions on these plans are to be taken as final. © COPYRIGHT 2018 JOYEN M. VAIL, R.A.

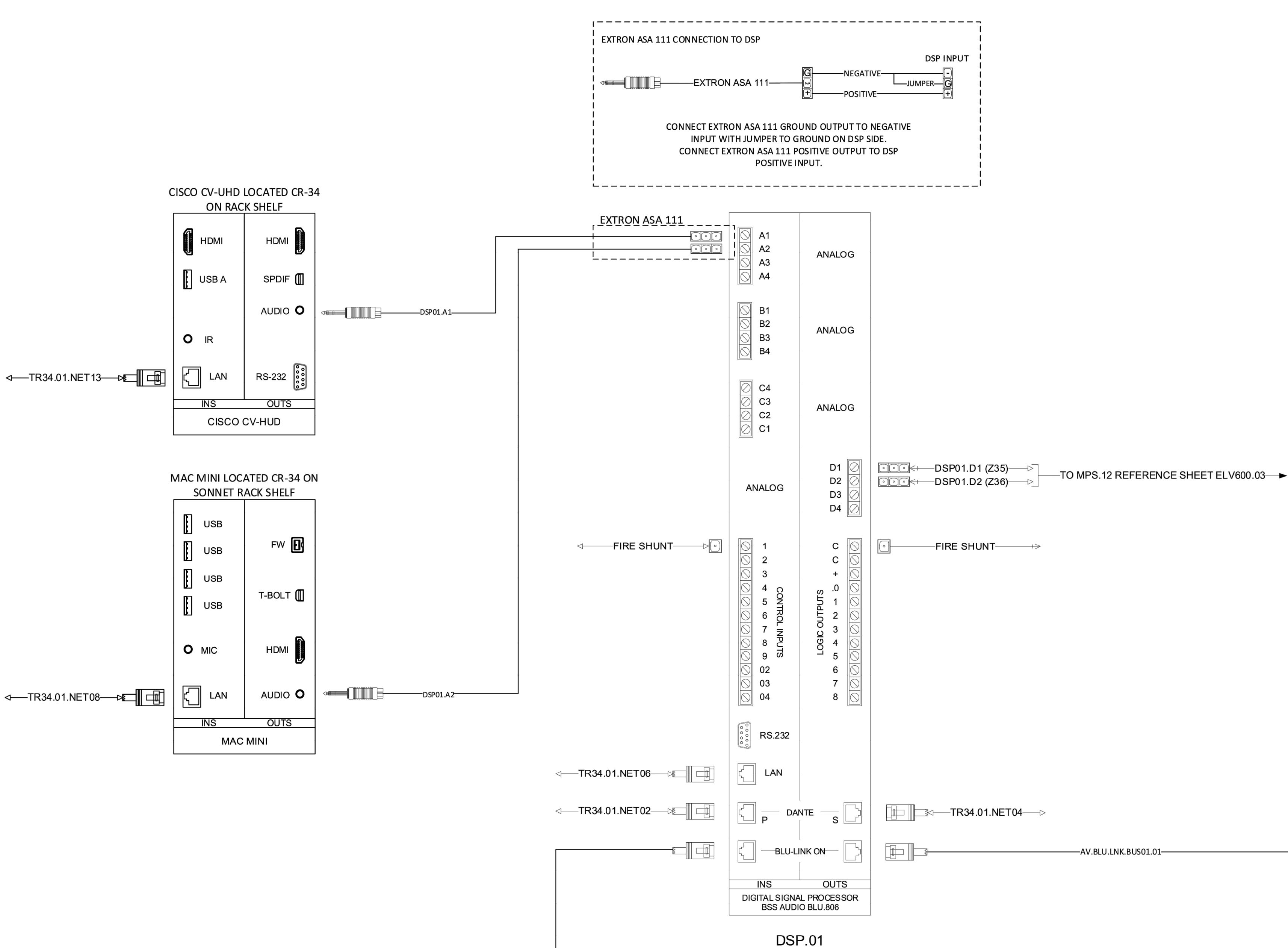
DRAWING TITLE:
TR34 AUDIO SYSTEM SCHEMATIC DIAGRAM 1

All dimensions, levels, layouts and field conditions shall be verified and checked by the architect before proceeding with the work.
MRID Project No. 17026

Consultant Project No. 17050
Date: 03/16/18
Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.
File Name:

ELV600.02

Scale: NTS
PERMIT ISSUE





BERGMAN WALLS & ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE PROJECT SHALL REMAIN THE PROPERTY OF THE ARCHITECT, AND SHALL NOT BE COPIED OR USED BY ANY OTHER PERSON OR FOR COMPLETION OF THIS PROJECT, OR FOR ANY OTHER PROJECT OR FOR ANY OTHER PURPOSE, WITHOUT THE WRITTEN CONSENT OF BERGMAN, WALLS & ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION.

SEAL:

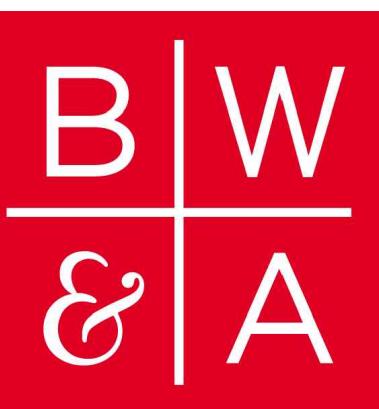
CONSULTANT:



DEFINITE DESIGN DELIVER
6955 N. Durango Dr., Suite 115-281
Las Vegas, Nevada 89149
702.921.5765 5700
Mike@D3Strategic.com

OWNER:





BERGMAN WALLS & ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE
PROJECT DOCUMENTS REMAIN THE PROPERTY OF THE
ARCHITECT AND SHALL NOT BE COPIED OR USED
ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS
PROJECT WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS &
ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION.

SEAL:

CONSULTANT:



DEFINITE DESIGN DELIVER
6855 N. Durango Dr., Suite 115-281
Las Vegas, Nevada 89149
702.921.5765 5700
Mike@D3Strategic.com

OWNER:



MGM RESORTS
INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone 702.862.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
AHC - CATCH
PROJECT:

REVISIONS:

No.	Date	Description
03.16.18		PERMIT ISSUE

These drawings are the instruments of service and are the property
of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right
to make changes or alterations whenever, nor are they to be assigned to any third
party without the written consent of Joyen M. Vail, R.A. Written dimensions on these
drawings are to be taken at the time of issuance.

© COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:

TR34 AUDIO
SYSTEM
SCHEMATIC
DIAGRAM 3

All dimensions, levels, layouts and field conditions shall be verified
and checked by the architect before proceeding with the work.

MRID Project No. 17050

Consultant Project No. 17050

Date: 03/16/18

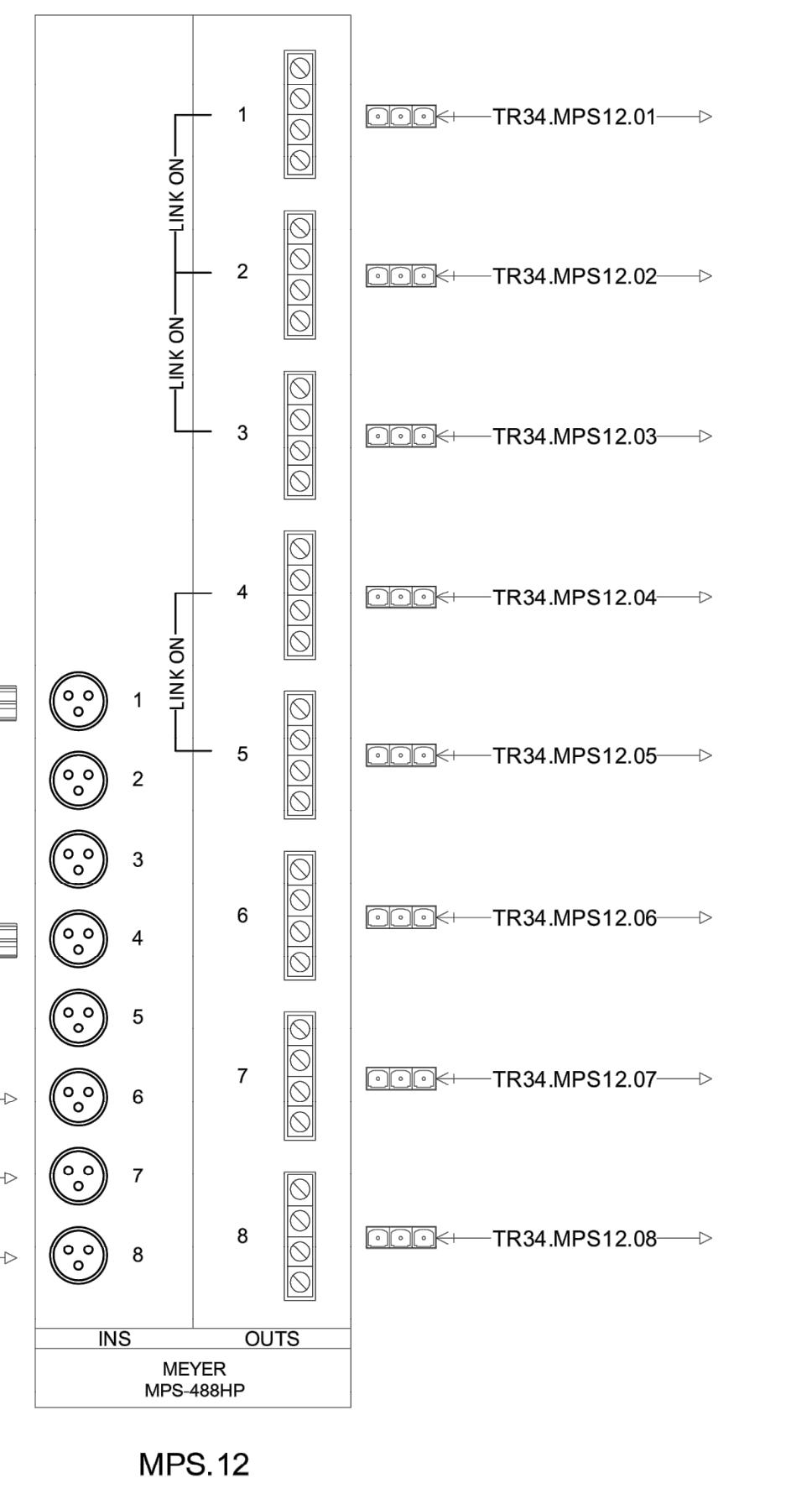
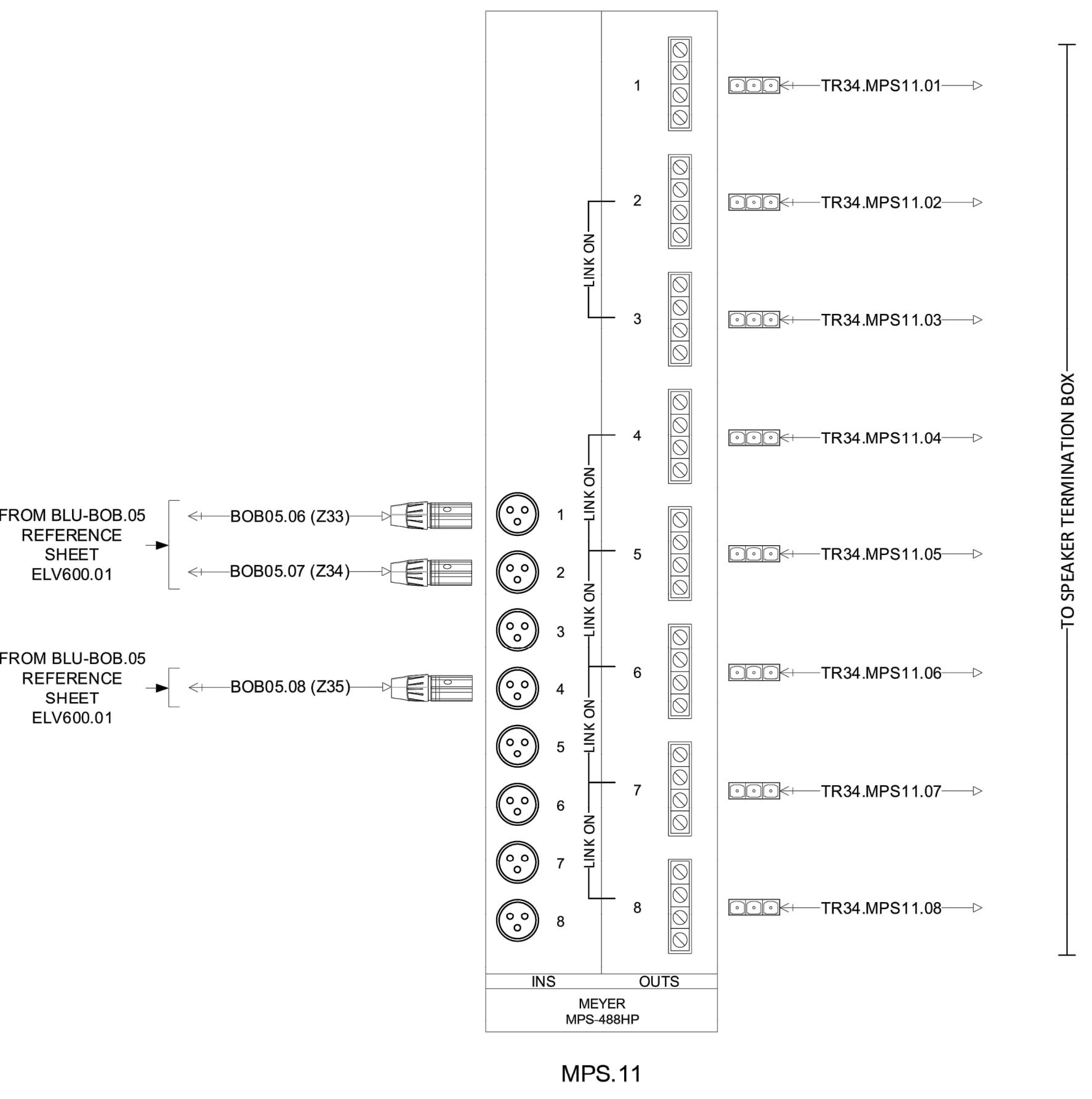
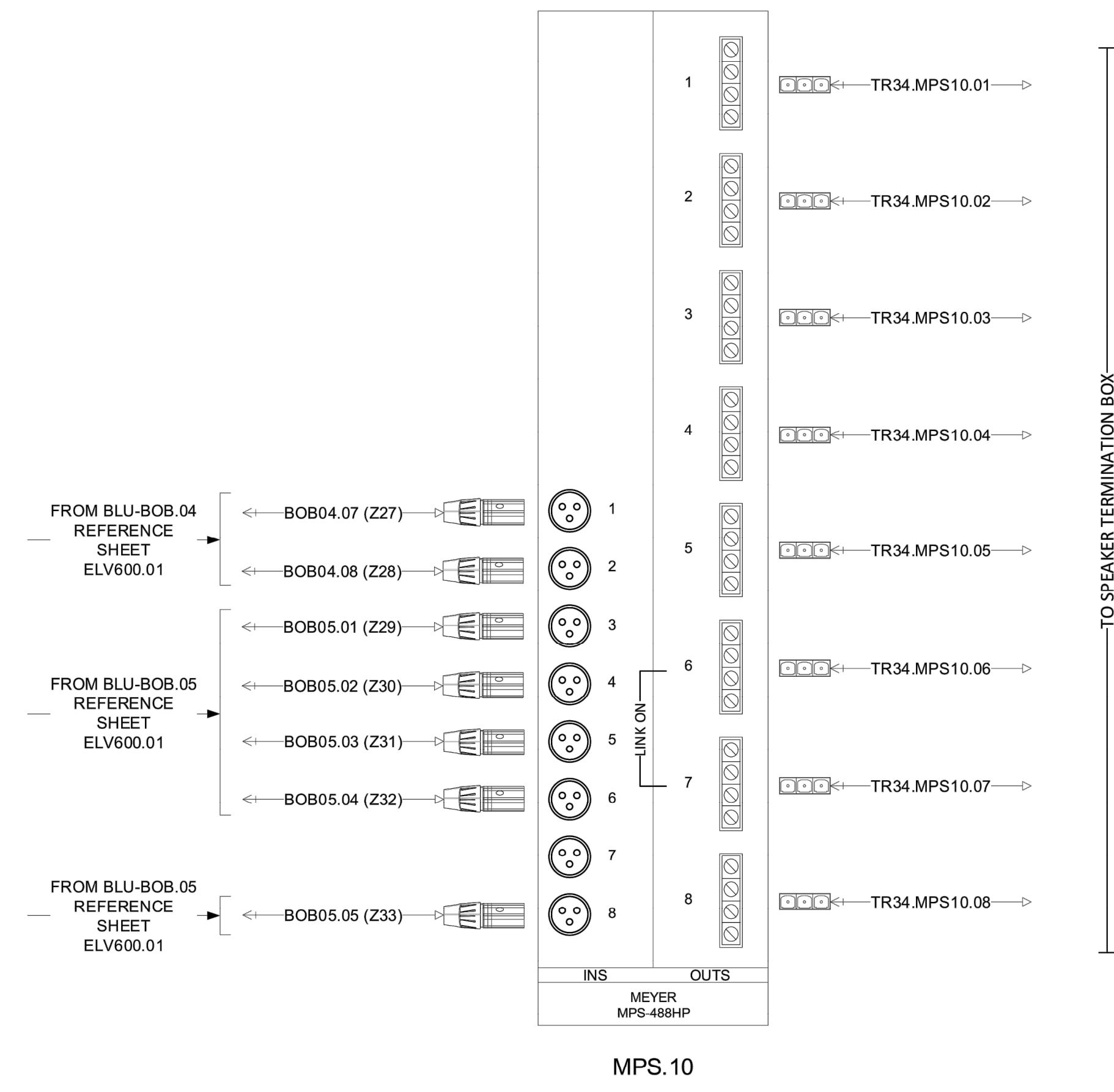
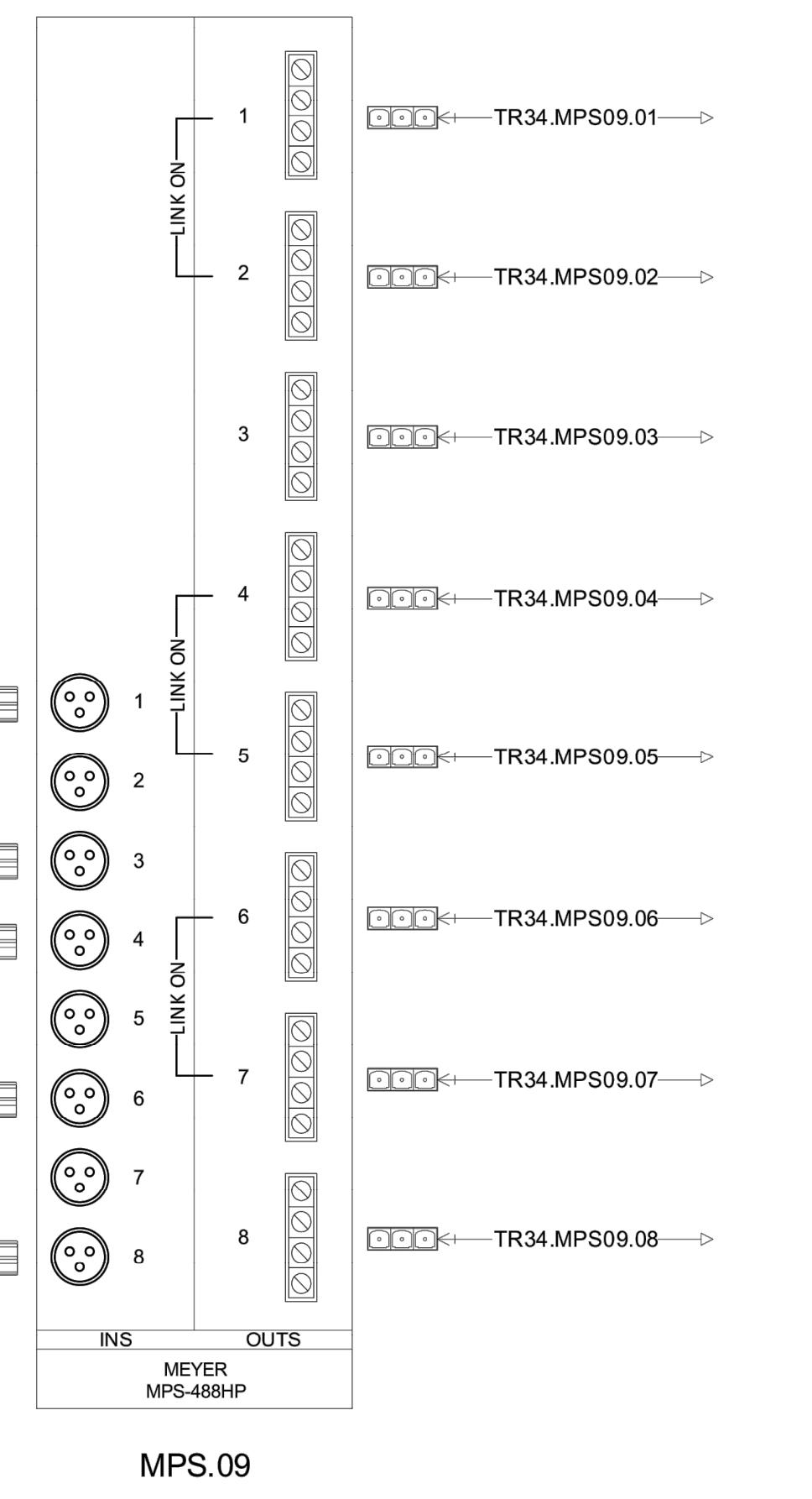
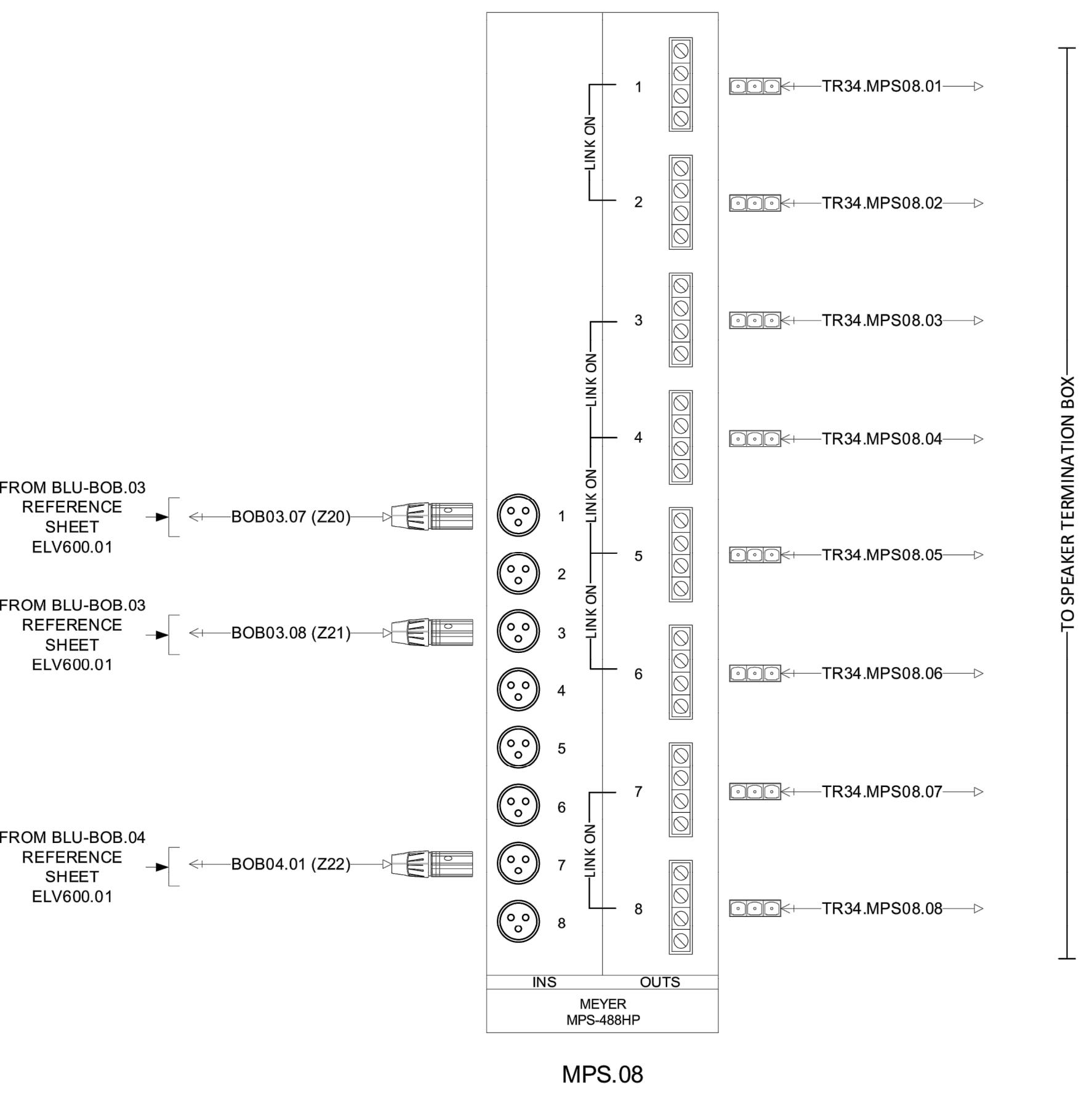
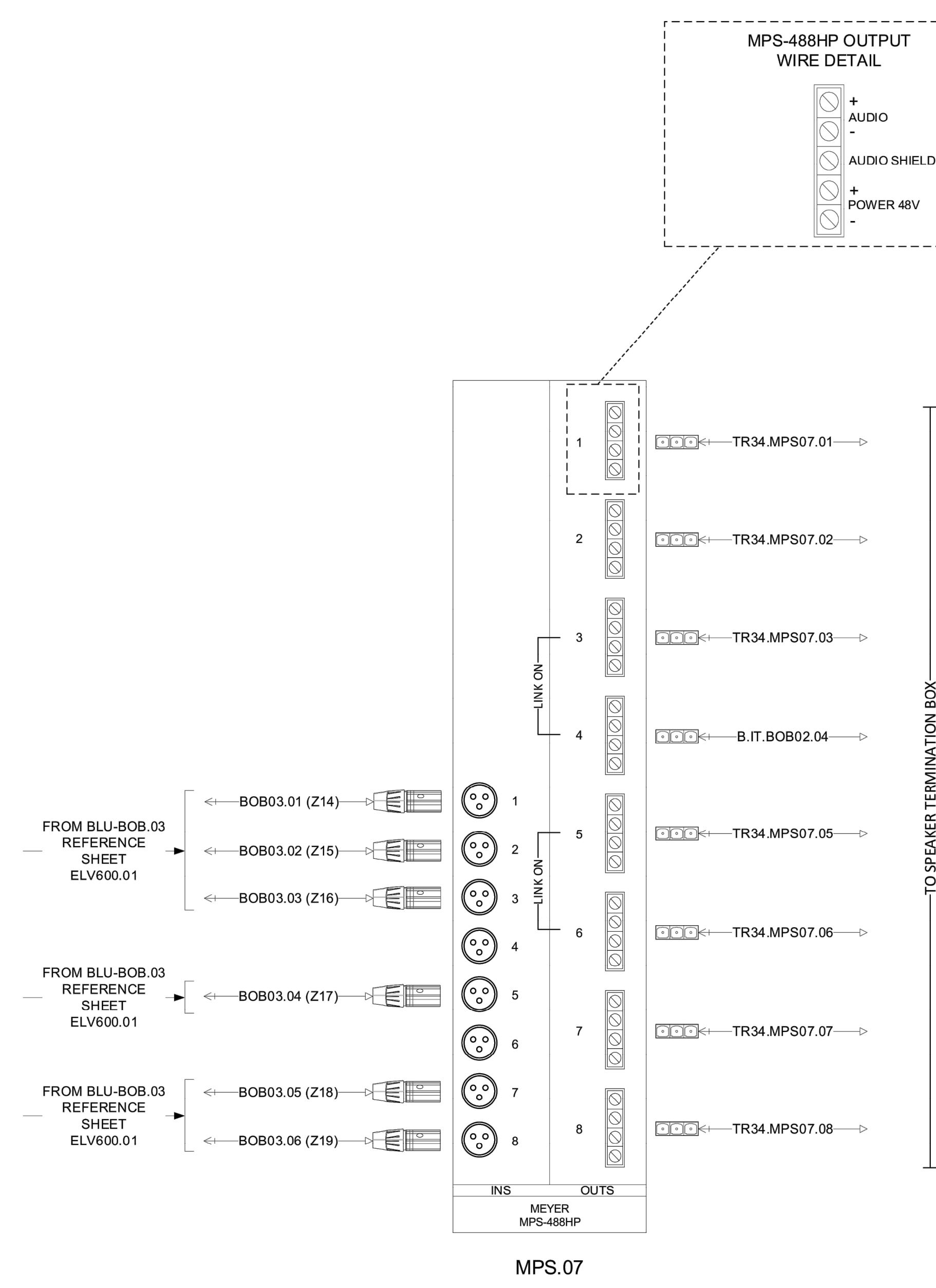
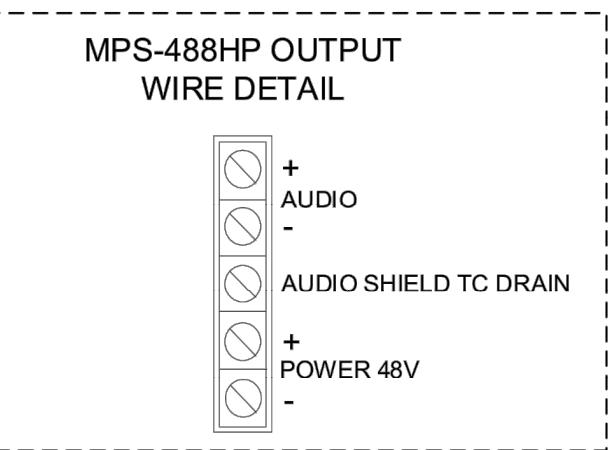
Drawn By D3 Inc.

Checked By D3 Inc.

Approved By D3 Inc.

File Name: File Name:

PERMIT ISSUE



ARCHITECT:



BERGMAN WALLS &
ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE
SERVICES RENDERED BY THE ARCHITECT FOR THIS
PROJECT SHALL REMAIN THE PROPERTY OF THE
ARCHITECT, AND SHALL NOT BE COPIED OR USED
ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS
PROJECT, WITHOUT THE WRITTEN CONSENT OF THE
WRITTEN CONSENT OF BERGMAN WALLS &
ASSOCIATES LTD ARCHITECTS, A NEVADA CORPORATION

SEAL:

CONSULTANT:



DEFINE DESIGN DELIVER
6955 N Durango Dr. Suite 115-281
Las Vegas, Nevada 89149
702.921.5700
Mike@D3Strategic.com

MGM RESORTS
INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone 702.862.1750 Fax

Aria

RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AHIC - CATCH

REVISIONS:
No. Date Description
03.16.18 PERMIT ISSUE

03.16.18 PERMIT ISSUE

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes in these drawings at any time and without notice. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party, without the written consent of Joyen M. Vail, R.A. Written dimensions on these drawings are in inches. © COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:

TR34 CONTROL
SYSTEM
SCHEMATIC
DIAGRAM

All dimensions, levels, layouts and field conditions shall be verified
and checked by the architect before proceeding with the work.
MRID Project No. 17026

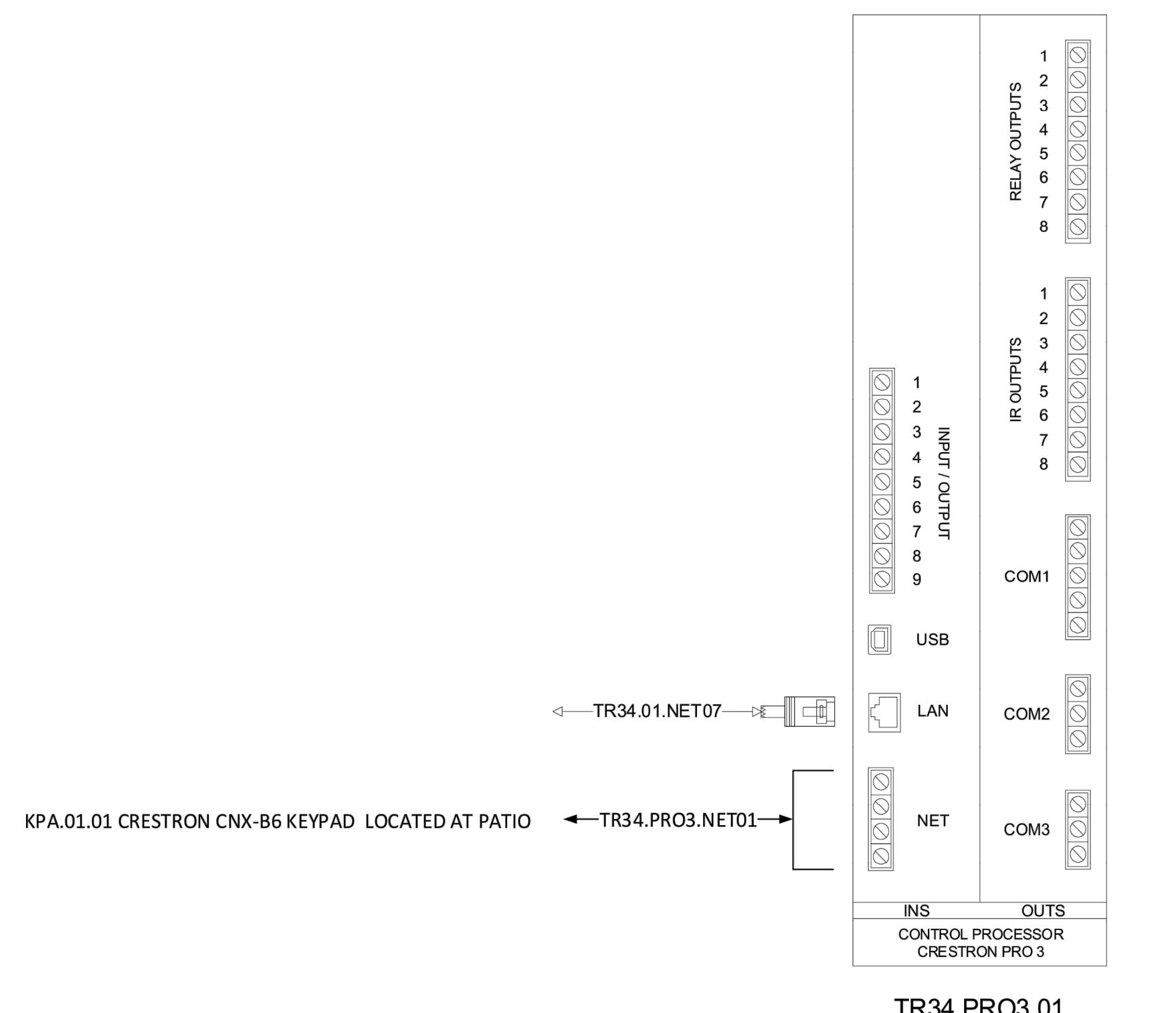
Consultant Project No. 17050

Date: 03/16/18

Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.

File Name:

ELV600.05
PERMIT ISSUE





BERGMAN WALLS &
ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE
PROJECT DOCUMENTS REMAIN THE PROPERTY OF THE
ARCHITECT, AND SHALL NOT BE COPIED OR USED
ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS
PROJECT, WITHOUT THE WRITTEN CONSENT OF THE
WRITTEN CONSENT OF BERGMAN WALLS &
ASSOCIATES LTD ARCHITECTS, A NEVADA CORPORATION.

SEAL:

CONSULTANT:



D3, INC.
DEFINE DESIGN DELIVER
6955 N Durango Dr. Suite 115-281
Las Vegas, Nevada 89149
(702) 212-5700
Mike@D3Strategic.com

OWNER:
MGM RESORTS INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone 702.862.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
AHC - CATCH
PROJECT:

REVISIONS:		
No.	Date	Description
03.16.18	PERMIT ISSUE	

03.16.18 PERMIT ISSUE

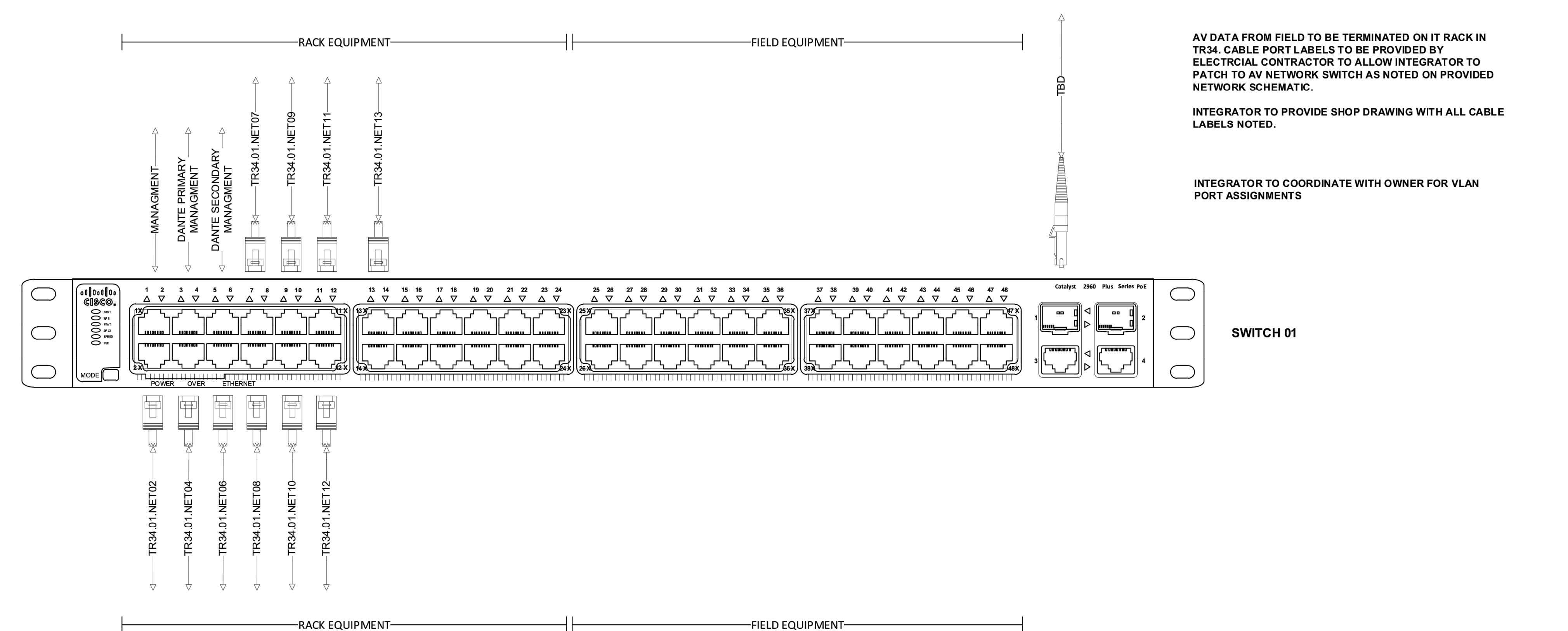
These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to alter or change these drawings at any time without notice. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the written consent of Joyen M. Vail, R.A. Written dimensions on these drawings are in inches and are to be taken from the original drawing. © COPYRIGHT 2010 JOYEN M. VAIL, R.A.

DRAWING TITLE:
TR34 NETWORK SYSTEM SCHEMATIC DIAGRAM

All dimensions, levels, layouts and field conditions shall be verified and checked by the architect before proceeding with the work.
MRID Project No. 17026

Consultant Project No. 17050
Date: 03/16/18
Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.
File Name:

ELV600.06
PERMIT ISSUE



ARCHITECT:

BERGMAN WALLS & ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THIS PROJECT SHALL REMAIN THE PROPERTY OF THE ARCHITECT, AND SHALL NOT BE COPIED OR USED ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS PROJECT, WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS & ASSOCIATES ARCHITECTS, A NEVADA CORPORATION.

SEAL:

CONSULTANT:



DEFINE DESIGN DELIVER

6955 N. Durango Dr., Suite 115-281
Las Vegas, Nevada 89108
702.692.9622 Phone 702.862.1750 Fax

Mike@D3Strategic.com

OWNER:

MGM RESORTS INTERNATIONAL

3265 Industrial Road, Las Vegas,
NV 89109

702.692.9622 Phone 702.862.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT:REVISIONS:
No. Date Description

03.16.18 PERMIT ISSUE

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes at any time. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the written consent of Joyen M. Vail, R.A. Written dimensions on these plans are to be taken as final.

© COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:

VIDEO SYSTEM
DETAIL - 55IN
LED DISPLAY

All dimensions, levels, layouts and field conditions shall be verified and checked by the architect before proceeding with the work.

MRID Project No. 17026

Consultant Project No. 17050

Date: 03/16/18

Drawn By D3 Inc.

Checked By D3 Inc.

Approved By D3 Inc.

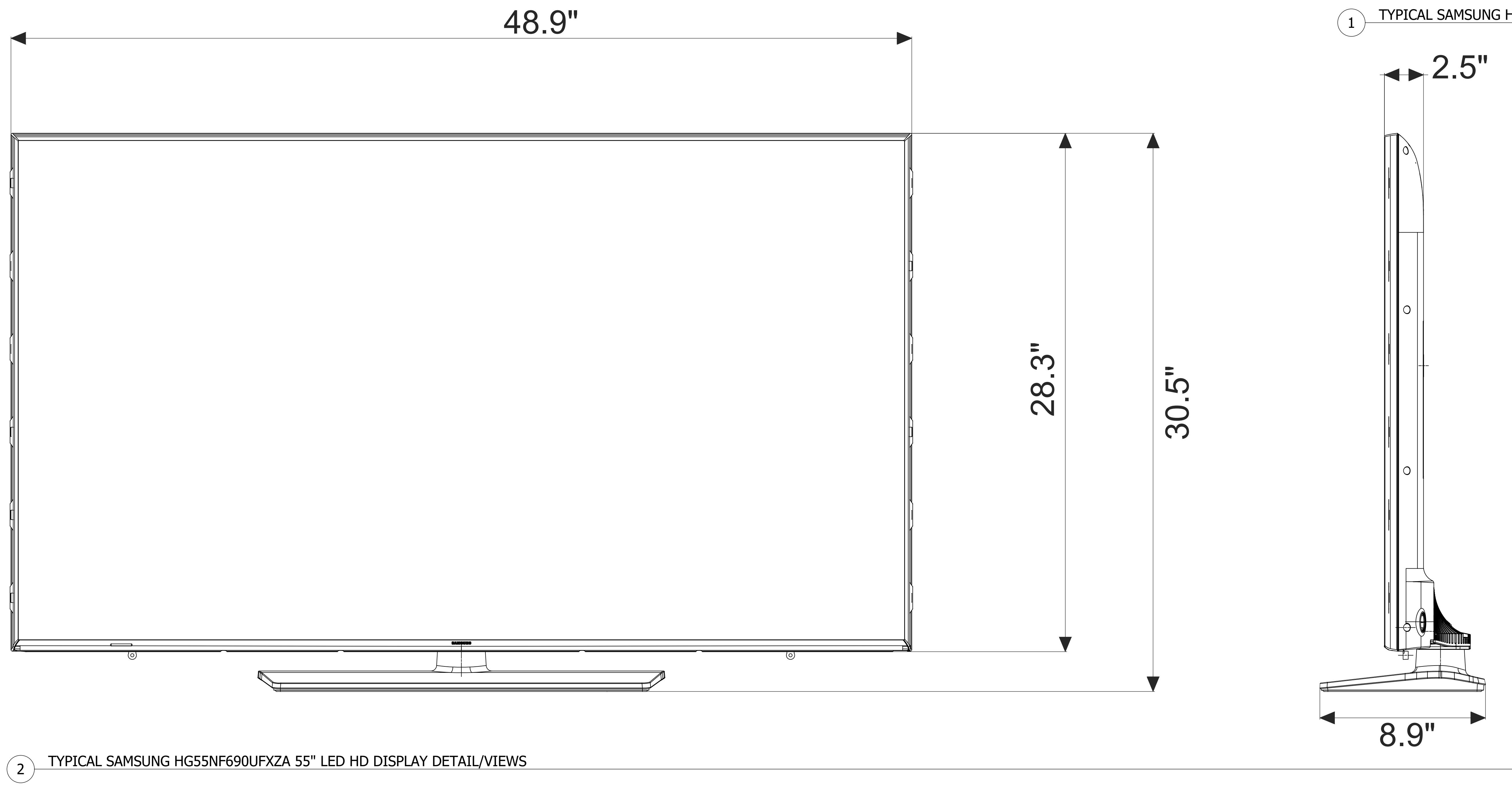
File Name:

PERMIT ISSUE

ELV700.01

PERMIT ISSUE

Display	Backlight	HG55NF690UFXZA
Screen	Screen Size (Diagonal)	55"
Resolution	Resolution	3840 x 2160 (4K)
Video	Picture Engine	UHD Up-Scaling
Picture Quality Index	PQI (Picture Quality Index)	13000
Color Gamut	Color Gamut	HDR
Contrast	Dynamic Contrast Ratio	1000000:1
Processor	Processor	Multi-Panel Processing
Contrast Enhancer	Contrast Enhancer	Local Dimming
Autosensor	Autosensor	Yes
Power	Fan Mode	Yes
Audio	Natural Mode Support	Yes
Dolby	Dolby Vision	Yes
Sound Output (WMS)	20W (L+R, 10W, R+L)	20W (L+R, 10W, R+L)
Bluetooth Audio	Bluetooth Audio	Yes
Smart Features	Smart Features	Smart
Web Browser	Web Browser	Yes
Samsung Smart View	Samsung Smart View	Yes
Mobile Device Mirroring DLNA	Mobile Device Mirroring DLNA	Yes
Wired TV On - Samsung ION	Wired TV On - Samsung ION	Yes
Features	Other	Other
OSD Language	OSD Language	English, Spanish, French
BIG (Big Picture)	BIG (Big Picture)	Yes
USB HD Support	USB HD Support	Yes
System Digital Broadcast	System Digital Broadcast	ATSC/ClearQAM
Analog TV Tuner	Analog TV Tuner	Yes
H.265	H.265	Yes
H.264	H.264	Yes
H.262	H.262	Yes
H.263	H.263	Yes
H.264/AVC	H.264/AVC	REACH 4.0
H.265/HEVC	H.265/HEVC	REACH 2017
Bluetooth Music Player (Mobile → TV)	Bluetooth Music Player (Mobile → TV)	Yes
Headphone Plug & Play (Easy Set-up)	Headphone Plug & Play (Easy Set-up)	Yes
Auto Sync	Auto Sync	Yes
Power On Mode	Power On Mode	Yes
Input Device Control	Input Device Control	Yes
Channel Menu Display	Channel Menu Display	Yes
My Channel	My Channel	Yes
Energy Saving Mode (BLU Control)	Energy Saving Mode (BLU Control)	Yes
Local Dimming / Time Out Setting (BLU Mode)	Local Dimming / Time Out Setting (BLU Mode)	Yes
Welcome Message	Welcome Message	Yes
Source Selection	Source Selection	Yes
Check Back Up Supply	Check Back Up Supply	Yes
Multi Source Selection	Multi Source Selection	Yes
Sound Bar Compatibility	Sound Bar Compatibility	Yes
Music Box (Smart TV Component)	Music Box (Smart TV Component)	Yes
Music Box Purchase On/Off	Music Box Purchase On/Off	Yes
Ultra Driving	Ultra Driving	Yes
Screen Position Memory	Screen Position Memory	Yes
Soft AP	Soft AP	Yes
Quick Timer (Schedule)	Quick Timer (Schedule)	Yes
Alarm / Wake-Up Timer	Alarm / Wake-Up Timer	Yes
Samsung LYNK UP	Samsung LYNK UP	Yes
Pro Iridion RF	Pro Iridion RF	Yes
Pro Iridion IR	Pro Iridion IR	Yes
Security Mode	Security Mode	Yes
Smart Sensor Function (SPD)	Smart Sensor Function (SPD)	Yes
HDMI (SideFront)	HDMI (SideFront)	2/1
USB (SideFront)	USB (SideFront)	2/1
Composite In (P/Pin) (Side/Rear)	Composite In (P/Pin) (Side/Rear)	9/1
Composite In (X/Y) (SideFront)	Composite In (X/Y) (SideFront)	9/1 (Common Use for Composite X)
Composite In (X/Y) (Side/Rear)	Composite In (X/Y) (Side/Rear)	1/1
Ethernet (SideFront)	Ethernet (SideFront)	1/1
Audio Out (Min Jack) (R) (SideFront)	Audio Out (Min Jack) (R) (SideFront)	1/1
Digital Audio Out (Optical) (SideFront)	Digital Audio Out (Optical) (SideFront)	1/1
Ex-Line / RS-232C (SideFront)	Ex-Line / RS-232C (SideFront)	1/1
HDMI (SideFront)	HDMI (SideFront)	1/1
HDMI Quick Switch	HDMI Quick Switch	Yes
Wireless LAN	Wireless LAN	Yes
Anykey (HDMI-CEC)	Anykey (HDMI-CEC)	Yes
Variable Audio (HDMI)	Variable Audio (HDMI)	Yes
R/L (SideFront)	R/L (SideFront)	9/1
R/L (Side/Rear)	R/L (Side/Rear)	1/1
Ethernet Out (LAN-Out) (Side / Rear)	Ethernet Out (LAN-Out) (Side / Rear)	1/1
Ethernet Out (LAN-Out) (Side / Rear)	Ethernet Out (LAN-Out) (Side / Rear)	1/1
Design	Bezel Type	VNB
Stand	Stand Type	2/2
Front Color	Front Color	Black
Stand Type	Stand Type	Black
Energy Efficiency Class	Energy Efficiency Class	Yes
Power	Power Supply	AC 110-240V 50/60Hz
Power Consumption (Max.) (Watts)	Power Consumption (Max.) (Watts)	160
Power Consumption (Standby) (Watts)	Power Consumption (Standby) (Watts)	0.5
Power Consumption (Typical) (Watts)	Power Consumption (Typical) (Watts)	90
Dimensions (W x H x D) Set Size without Stand (in.)	Dimensions (W x H x D) Set Size without Stand (in.)	120.6 x 71.8 x 8.3 / 306.0 x 182.0 x 21.0
Set Size without Stand (mm)	Set Size without Stand (mm)	306.0 x 182.0 x 21.0
Weight Set Weight without Stand (kg)	Weight Set Weight without Stand (kg)	14.7 kg / 32.4 lbs
Set Weight with Stand (kg)	Set Weight with Stand (kg)	17.7 kg / 39.0 lbs
Power Supply Input	Power Supply Input	24V DC 10.8 A
Accessory Remote Control Model	Accessory Remote Control Model	TM2524R
Stand Mount Kit	Stand Mount Kit	Yes
Min Wall Mount Support	Min Wall Mount Support	Yes
Max Wall Mount Support	Max Wall Mount Support	Yes
Power Cable	Power Cable	Yes
Quick Install Guide	Quick Install Guide	Yes
Stand Mount Kit	Stand Mount Kit	Yes
Stand Mount Kit	Stand Mount Kit	Yes
Stand Mount Kit	Stand Mount Kit	Yes
USBA Standard	USBA Standard	Yes
Wall Mount Screw Cover (Remote Control)	Wall Mount Screw Cover (Remote Control)	Yes
Wall Mount Screw Size	Wall Mount Screw Size	M6 x 40
Wall Mount Screw Depth (mm)	Wall Mount Screw Depth (mm)	18-20



ARCHITECT:



BERGMAN WALLS & ASSOCIATES

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE PROJECT DOCUMENTS REMAIN THE PROPERTY OF THE ARCHITECT AND CANNOT BE COPIED OR USED BY ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS & ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION.

SEAL:

CONSULTANT:



OWNER:



3260 Industrial Road, Las Vegas, NV 89109

702.692.9622 Phone: 702.692.1750 Fax

RESORT HOTEL & CASINO LAS VEGAS, NEVADA

PROJECT:

REVISIONS:

No. Date Description

03.16.18 PERMIT ISSUE

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes at any time without notice or obligation. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the written consent of Joyen M. Vail, R.A. Written dimensions on these plans are in inches unless otherwise specified.

© COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:

VIDEO SYSTEM DETAIL - 48IN NEC TOUCH DISPLAY

All dimensions, levels, layouts and field conditions shall be verified and checked by the contractor before proceeding with the work.

MRID Project No. 17026

Consultant Project No. 17050

Date: 03/16/18

Drawn By D3 Inc.

Checked By D3 Inc.

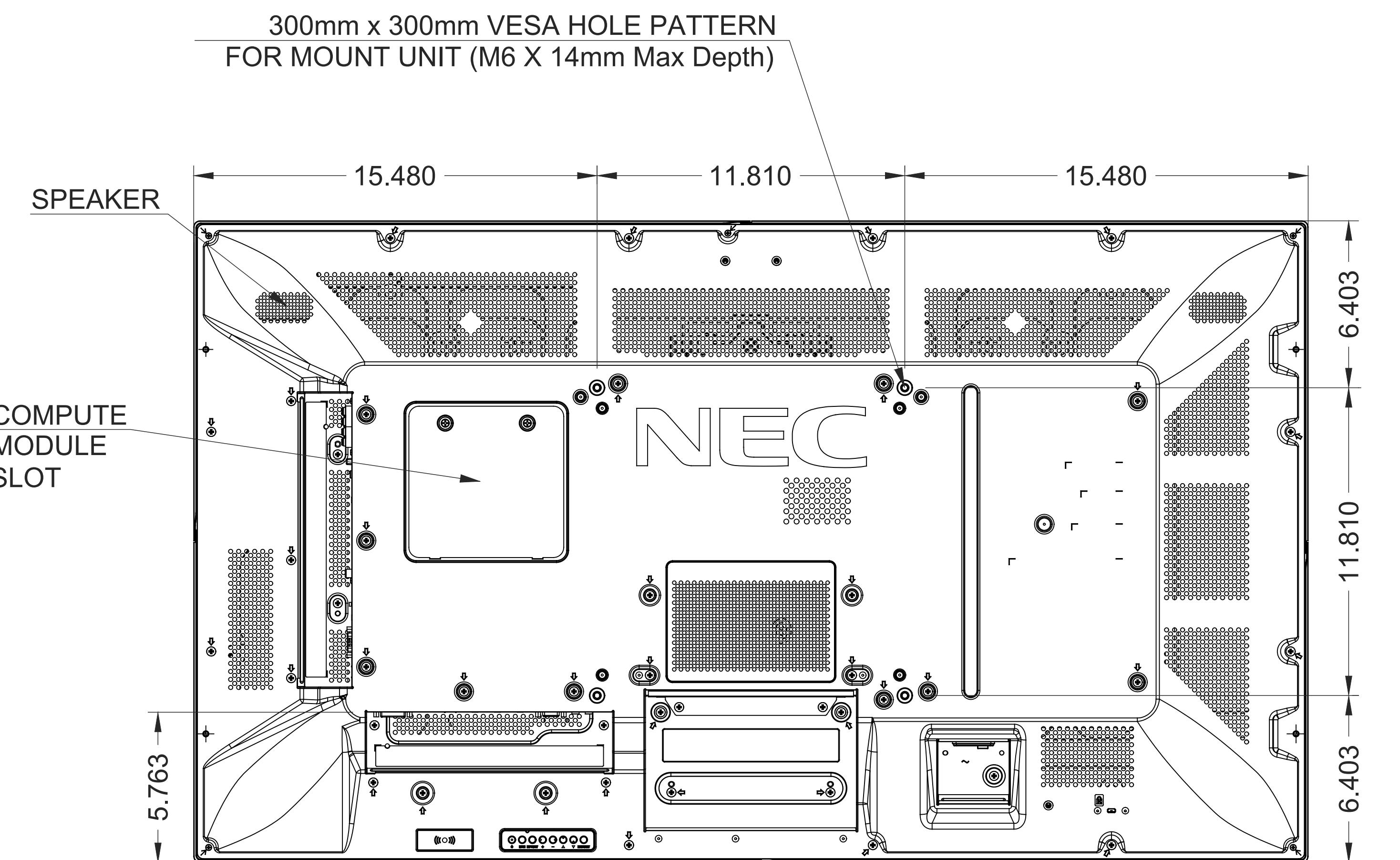
Approved By D3 Inc.

File Name:

ELV700.02

Scale: NTS

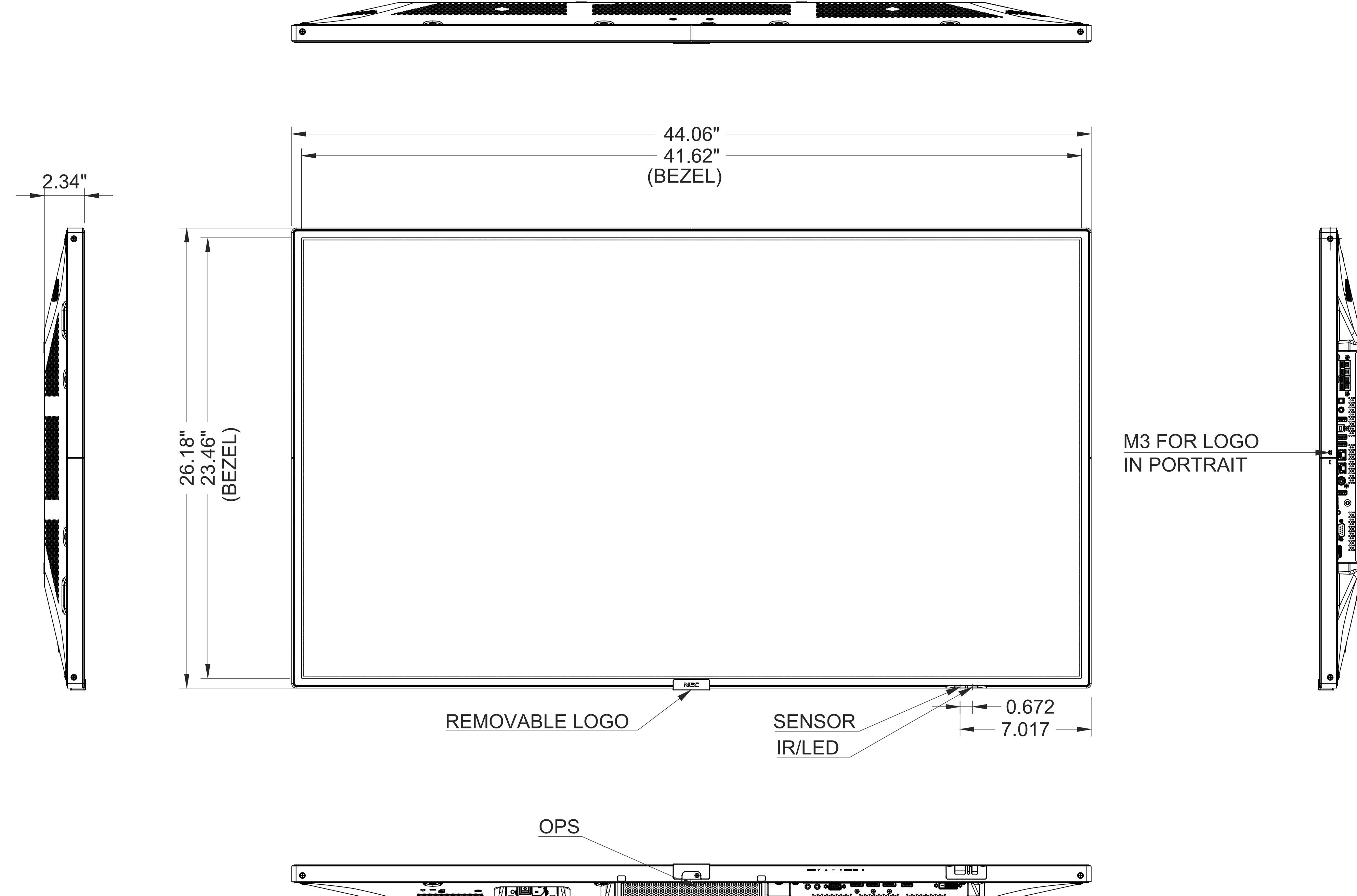
PERMIT ISSUE



LCD MODULE	
Panel Technology	AMVA
Viewable Image Size	46"
Native Resolution	1920 x 1080
Brightness (Typical/Maximum)	330 cd/m ² / 480 cd/m ²
Contrast Ratio (Typical)	3000:1
Viewing Angle	174° Vert., 174° Hor. (87U/87D/87L/87R) @ CR=10
CONNECTIVITY	
Input Terminals	Digital Analog
Audio	External Control Output Terminals Digital Analog Audio
External Control	DVI-D N/A Stereo Mini-Jack, External Speaker Jack (2) RS-232C, IR Remote
POWER CONSUMPTION	
On (Typical)	86W
ECO Mode Standby	<1W
PHYSICAL SPECIFICATIONS	
Bezel Width (L/R, T/B)	1.3 in. / 1.3 in. / 1.3 in. 32.8mm/32.8mm, 32.8mm/32.8mm
Net Dimensions (without stand; WxHxD)	43.1 x 25.6 x 3.2 in.; 1095 x 650 x 80.3mm
Net Weight (without stand)	62.0 lbs / 66.1kg.
VESA Hole Configuration	300 x 300mm (4-hole)
ENVIRONMENTAL CONDITIONS	
Operating Temperature	41-104°F / 5-40°C
Operating Humidity	20 - 80%
Operating Altitude	9843 ft. / 3000m
LIMITED WARRANTY	
ADDITIONAL FEATURES	3 years parts and labor, including backlight* Integrated 4-camera optical imaging touch solution (V423-TM, V463-TM and V652-TM); Double AR protective glass; Advanced thermal capabilities; Advanced cooling system; Ethernet Control and Communication; RS-232 Control and Communication; Carbon footprint meter; Plug and Play (DDCI, DDC2B); Scheduler (w/ real-time clock); Built-in speakers; OPS/Expansion slot; Power connector; DVI-D cable; Wireless remote control; Batteries; Main switch cover; CD-ROM (user manual); Clamp; Screws; USB A to B Cable; Speaker (SP-RMT) and SP-TF1; Stand (ST-4820); Dual Core AMD OPS PC with Windows 7 Professional (OPS-PC-QFO-Q-PH)
SHIPS WITH OPTIONAL ACCESSORIES	

1 TYPICAL NEC #V484 48" TOUCHSCREEN DISPLAY SPECIFICATIONS

Scale: NTS



TYPICAL NEC #V484 48" TOUCHSCREEN DISPLAY DETAIL/VIEWS

2

PERMIT ISSUE

ARCHITECT:



BERGMAN WALLS &
ASSOCIATES
109 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE
PROJECT ARE THE PROPERTY OF THE ARCHITECT. ANY COPIES MADE
ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS
PROJECT MUST BE APPROVED BY THE ARCHITECT AND MAY NOT
BE USED ON ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS & ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION.

SEAL:

CONSULTANT:



MGM RESORTS
INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone 702.662.1750 Fax

702.692.9622 Phone 702.662.1750 Fax

Mike@D3Strategic.com

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AHIC - CATCH

REVISIONS:
No. Date Description

03/16/18 PERMIT ISSUE

These drawings are the instruments of service and are the property
of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the
right to make changes at any time and without notice.
These plans are not to be reproduced, changed or copied in any
form, whole or in part, whatsoever, nor are they to be assigned to any third
party, without the written consent of Joyen M. Vail, R.A. Written dimensions on these
plans are in inches and millimeters.

© COPYRIGHT 2010 JOYEN M. VAIL, R.A.

DRAWING TITLE:

VIDEO SYSTEM
DETAIL -
PERRLES
DS-VW765-PQR
MOUNT

All dimensions, levels, layouts and field conditions shall be verified
and checked by the architect before proceeding with the work.

MRID Project No. 17026

Consultant Project No. 17050

Date: 03/16/18

Drawn By D3 Inc.

Checked By D3 Inc.

Approved By D3 Inc.

File Name:

ELV700.03

PERMIT ISSUE

Model Numbers

DS-VW765-PQR SmartMount® Full Service Video Wall Mount with Quick Release - Portrait for 42"-65" Displays

Product Specifications

DIMENSIONS (W x H x D) 22.24" x 26.87" x 3.08"-3.83" (565 x 683 x 78-97mm)

PRODUCT WEIGHT 28.4lb (12.9kg)

LOAD CAPACITY 125lb (57kg)

FINISH Textured

AVAILABLE COLORS Black

Package Specifications

PACKAGE SIZE (W x H x D) 28.88" x 28.75" x 3.75" (734 x 730 x 95mm)

PACKAGE SHIP WEIGHT 33.75lb (15.3kg)

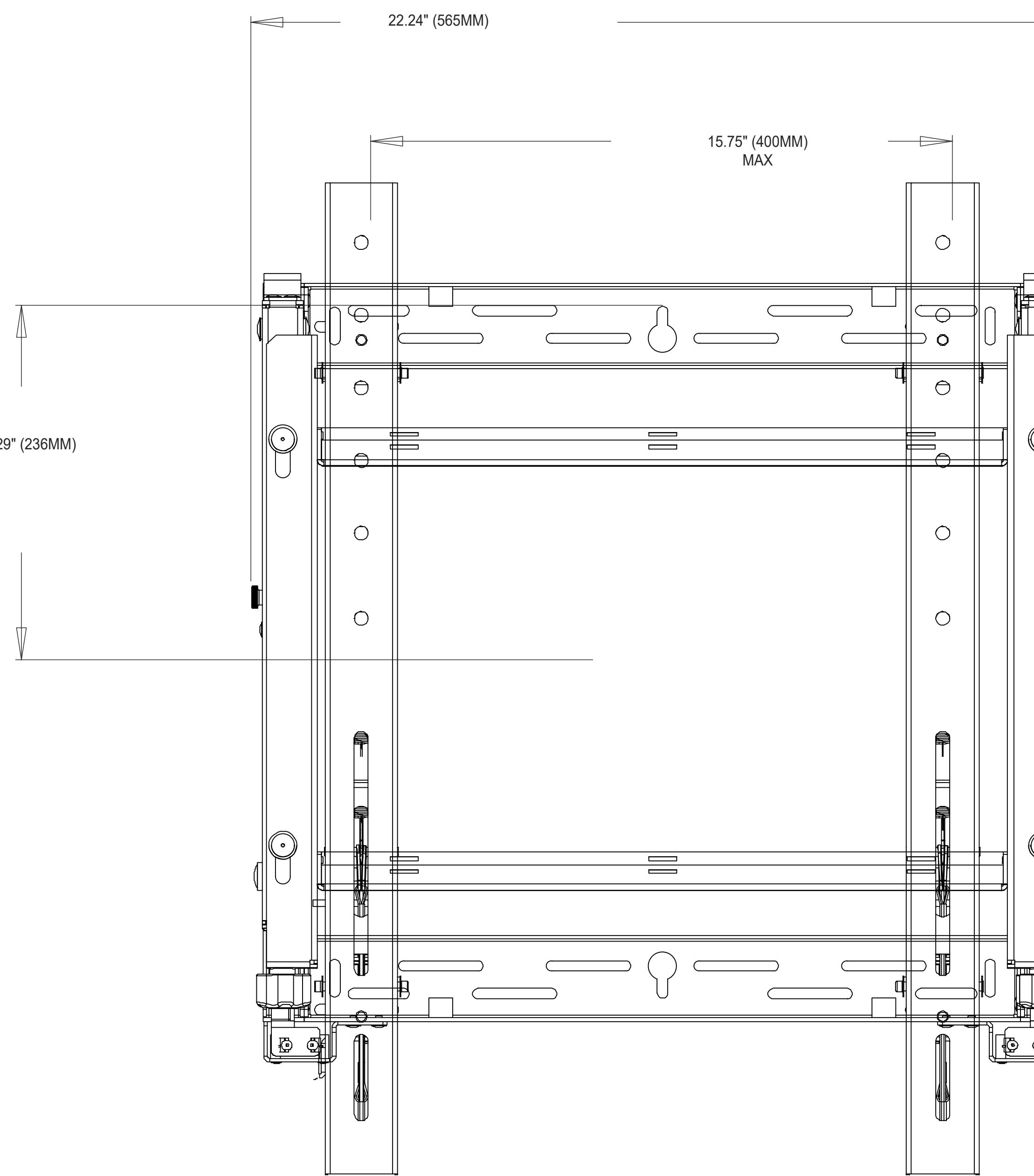
PACKAGE UPC CODE 735029300854

PACKAGE CONTENTS Wall mount assembly, mounting attachment rails, fasteners

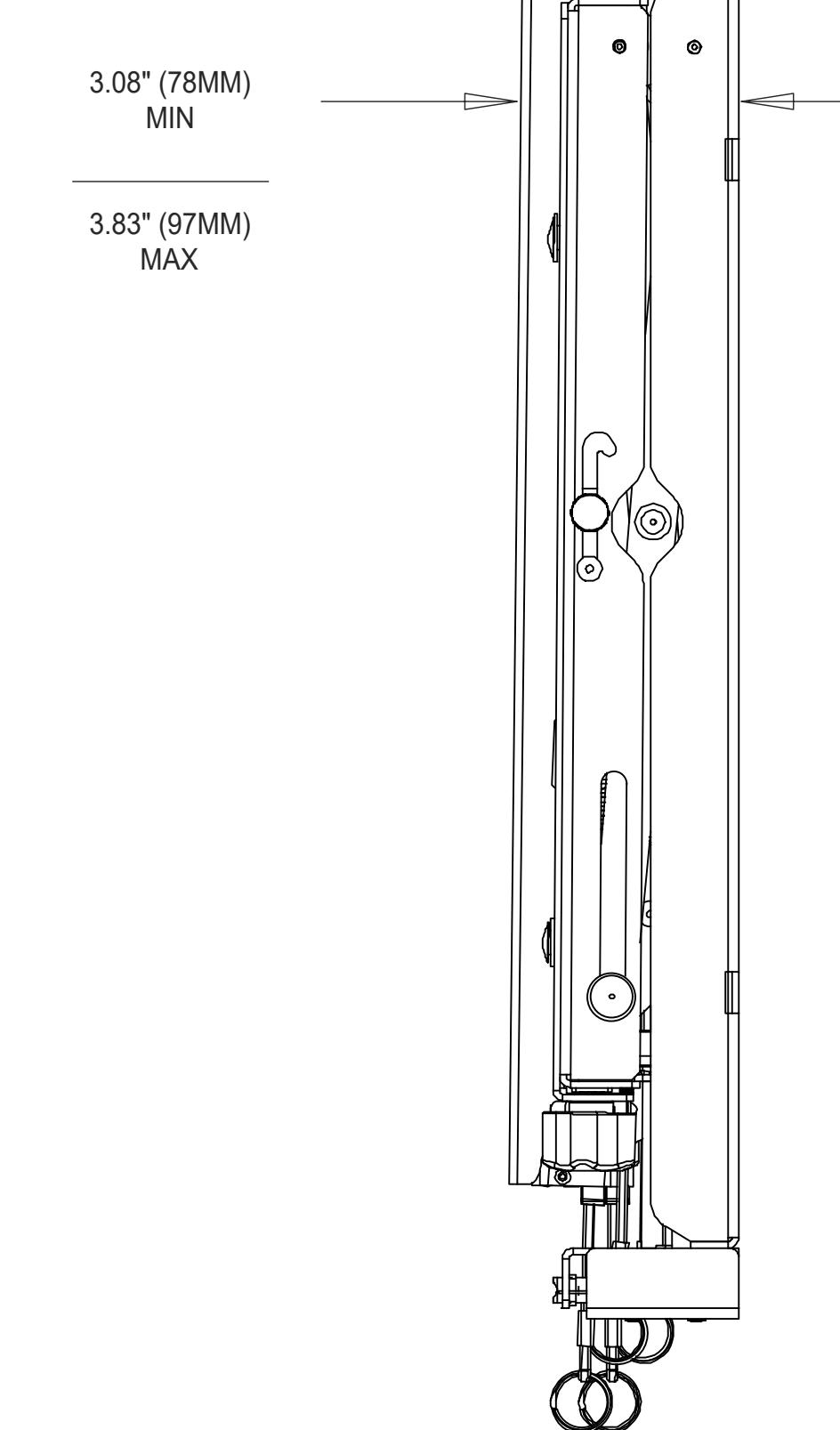
UNITS IN PACKAGE 1

1 TYPICAL VIDEO WALL MOUNT BRACKET PEERLESS #DS-VW765-PQR SPECIFICATIONS

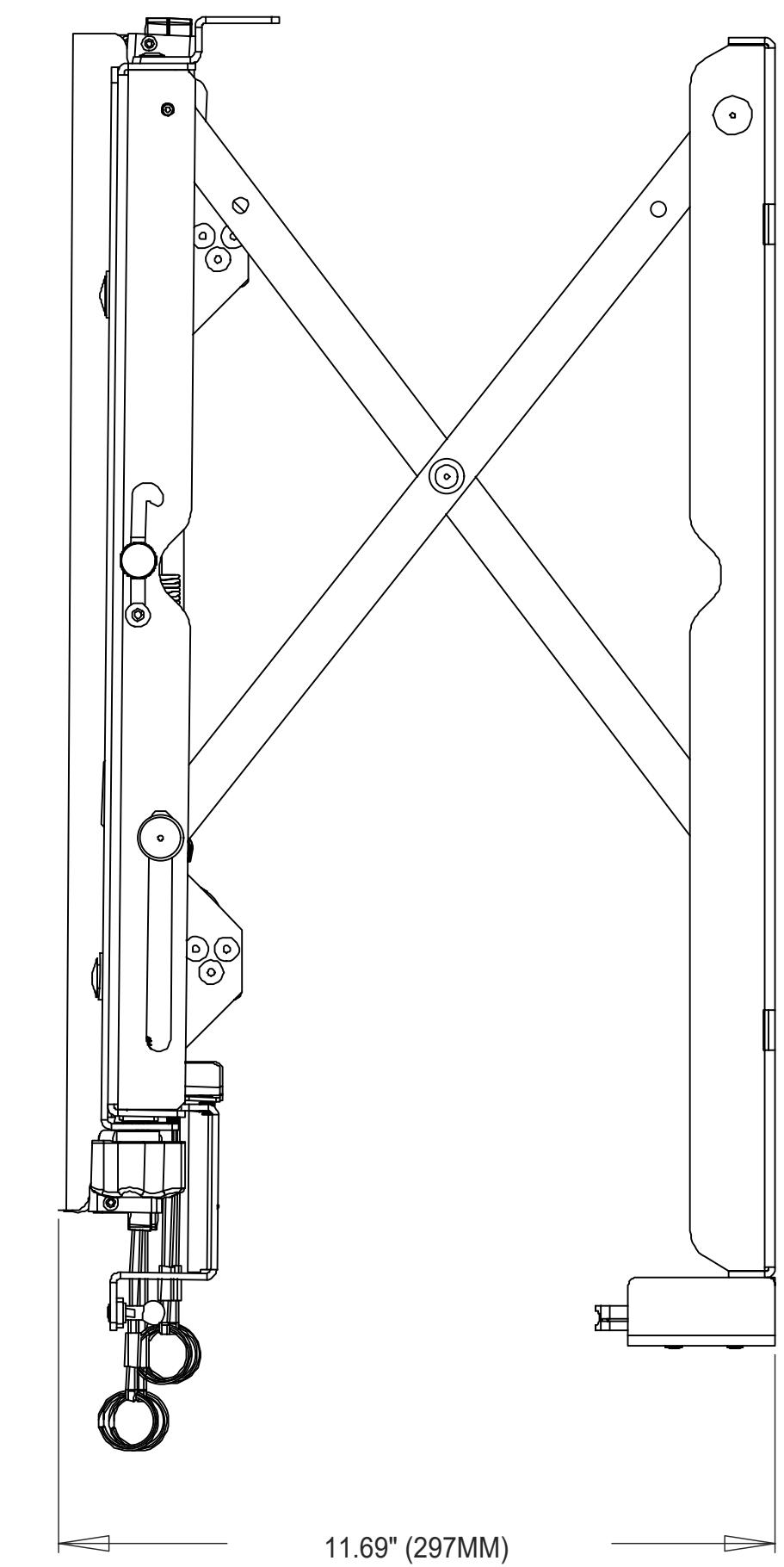
Scale: NTS



SIDE VIEW



SIDE VIEW EXTENDED



COMPONENT ACCESS

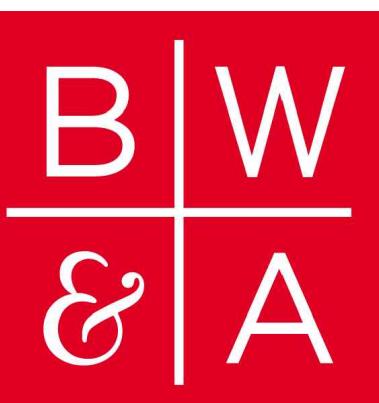
24

2 TYPICAL VIDEO WALL MOUNT BRACKET PEERLESS #DS-VW765-PQR DETAIL/VIEWS

Scale: NTS

PERMIT ISSUE

ARCHITECT:



BERGMAN WALLS &
ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE
PROJECT DOCUMENTS REMAIN THE PROPERTY OF THE
ARCHITECT, AND SHALL NOT BE COPIED OR USED
ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS
PROJECT, WITHOUT THE WRITTEN CONSENT OF THE
ARCHITECT AND BERGMAN WALLS & ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION.

SEAL:

CONSULTANT:



MGM RESORTS
INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone 702.862.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AH-C - CATCH

REVISIONS:
No. Date Description
03.16.18 PERMIT ISSUE

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes in these plans at any time. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the written consent of Joyen M. Vail, R.A. Written dimensions on these plans are in inches and millimeters.

© COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:

VIDEO SYSTEM
DETAIL -
PEERLESS
SA761PU MOUNT

All dimensions, levels, layouts and field conditions shall be verified
and checked by the architect before proceeding with the work.
MRID Project No. 17026

Consultant Project No. 17050

Date: 03/16/18

Drawn By D3 Inc.

Checked By D3 Inc.

Approved By D3 Inc.

File Name:

ELV700.04

PERMIT ISSUE

Model Numbers

SA761PU : SmartMount® Articulating Wall Arm for 39" to 75" Displays

Product Specifications

DIMENSIONS (W x H x D): 24.50" x 19.87" x 3.10"-26.60" (622 x 505 x 79-676mm)

PRODUCT WEIGHT: 24.5lb (11.1kg)

LOAD CAPACITY: 125lb (57kg)

FINISH: Scratch resistant fused epoxy

AVAILABLE COLORS: Semi-gloss black

Package Specifications

PACKAGE SIZE (W x H x D): 40.75" x 23.75" x 4.75" (1035 x 603 x 121mm)

PACKAGE SHIP WEIGHT: 33.6lb (15.2kg)

PACKAGE UPC CODE: 00735029266587

PACKAGE CONTENTS: Wall mount, wall and display installation hardware, installation instructions

UNITS IN PACKAGE: 1

Accessories

ACCXT400: Recessed Power Outlet with Low Voltage In-Wall Cable Routing

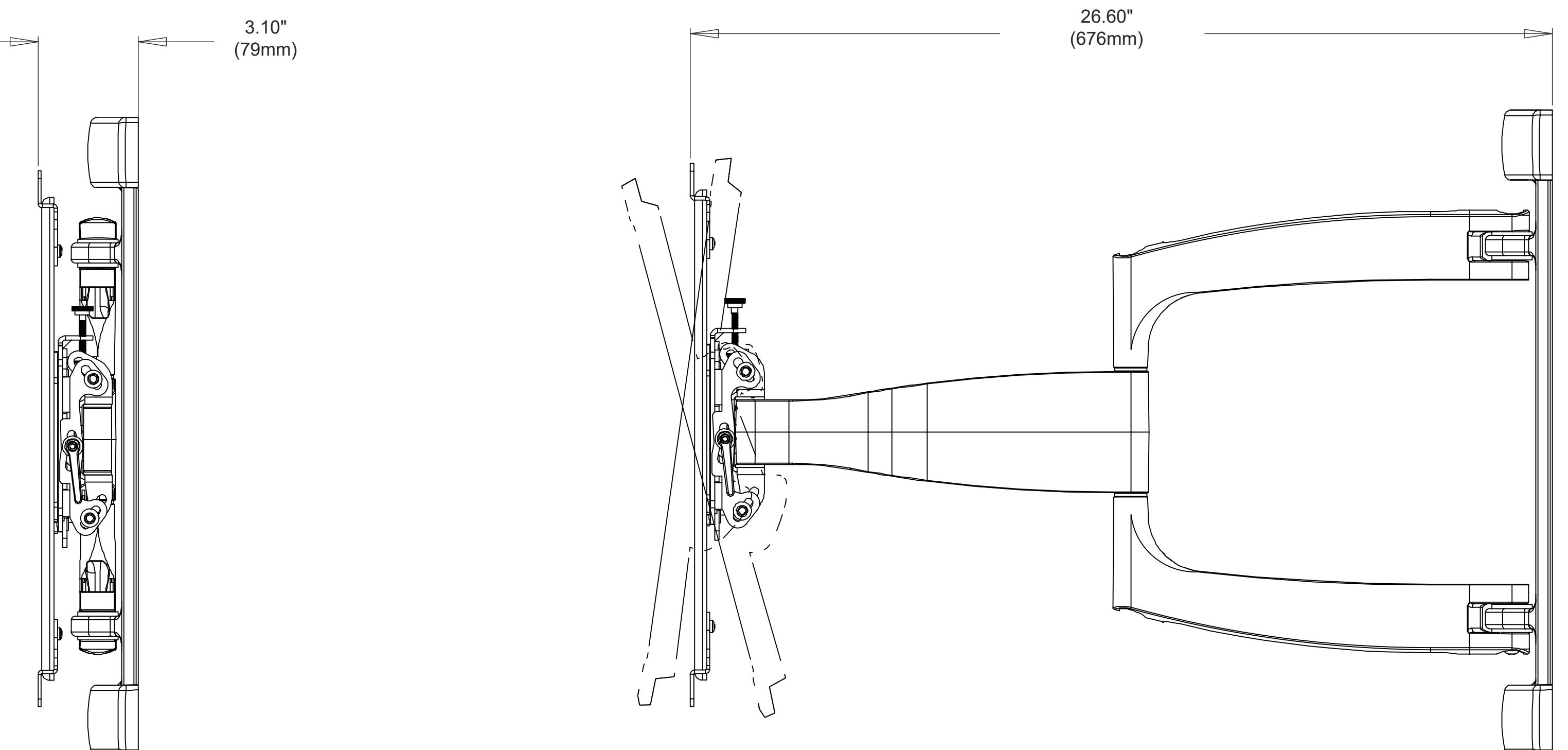
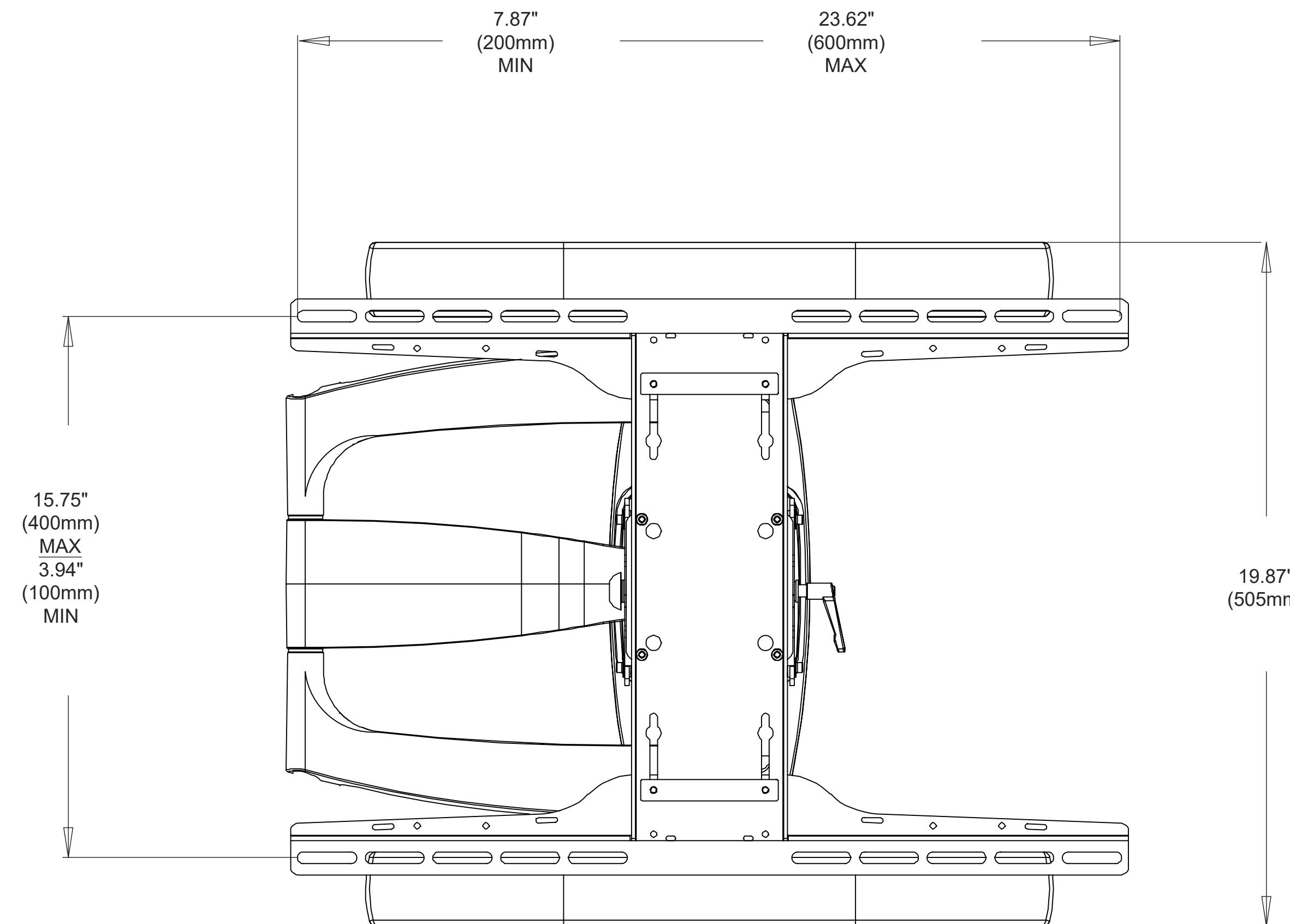
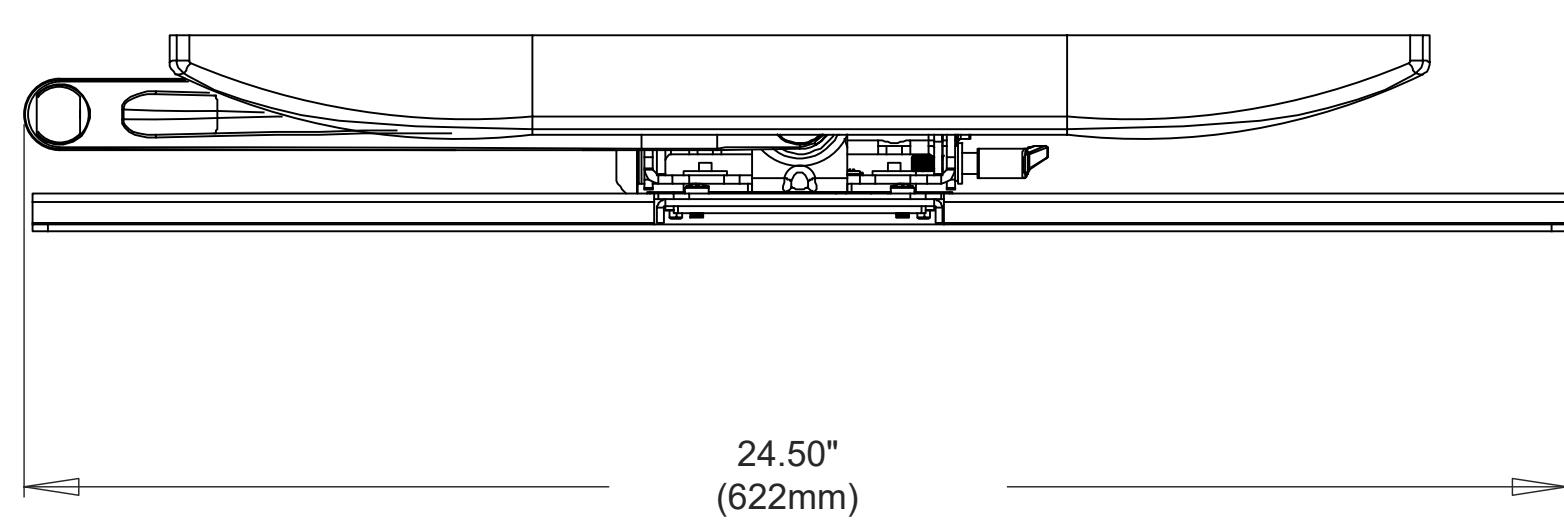
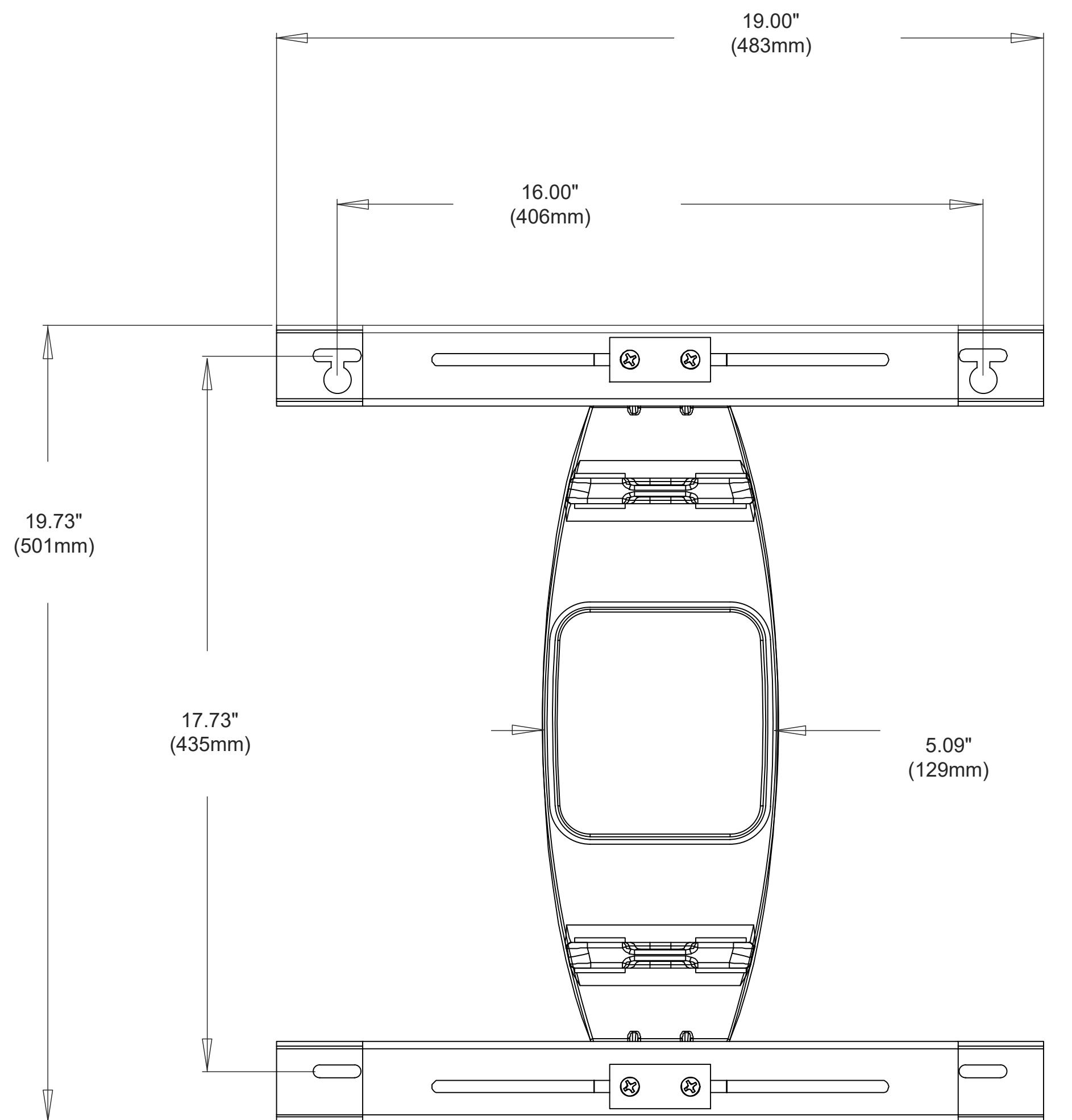
IBA4-W: Easy Mount Recessed Low Voltage Cable Plate

IBA5-W: Recessed Low Voltage Media Plate with Duplex Surge Suppressor

WSP756: Metal Stud Wall Plate

1 TYPICAL PEERLESS #SA761PU SPECIFICATIONS

Scale: NTS



2 TYPICAL PEERLESS #SA761PU DETAIL/VIEWS

Scale: NTS

PERMIT ISSUE

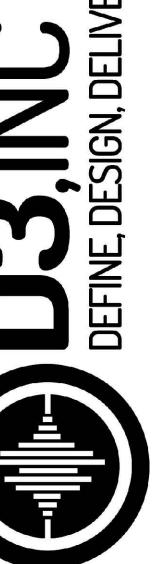


BERGMAN WALLS &
ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE
PROJECT ARE THE PROPERTY OF THE ARCHITECT. ANY COPIES MADE
ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS
PROJECT MUST BE APPROVED BY THE ARCHITECT AND
THE WRITTEN CONSENT OF BERGMAN WALLS &
ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION

SEAL:

CONSULTANT:



DEFINE DESIGN DELIVER
6955 N. Durango Dr. Suite 115-281
Las Vegas, Nevada 89149
702.921.5700
Mike@D3Strategic.com

OWNER:



MGM RESORTS
INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone: 702.862.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AHG - CATCH

REVISIONS:

No.	Date	Description
03.16.18		PERMIT ISSUE

These drawings are the instruments of service and are the property
of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the
right to make changes at any time and without notice.
These plans are not to be reproduced, changed or copied in any
form, whole or in part, without the written consent of Joyen M. Vail, R.A. Written dimensions on these
plans are to be taken from the original drawing only.

© COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:

VIDEO SYSTEM
DETAIL - CHIEF
PAC525
BACKBOX

All dimensions, levels, layouts and field conditions shall be verified
and checked by field before proceeding with the work.
MRID Project No. 17026

Consultant Project No. 17050

Date: 03/16/18

Drawn By D3 Inc.

Checked By D3 Inc.

Approved By D3 Inc.

File Name:

ELV700.05

PERMIT ISSUE

Specifications

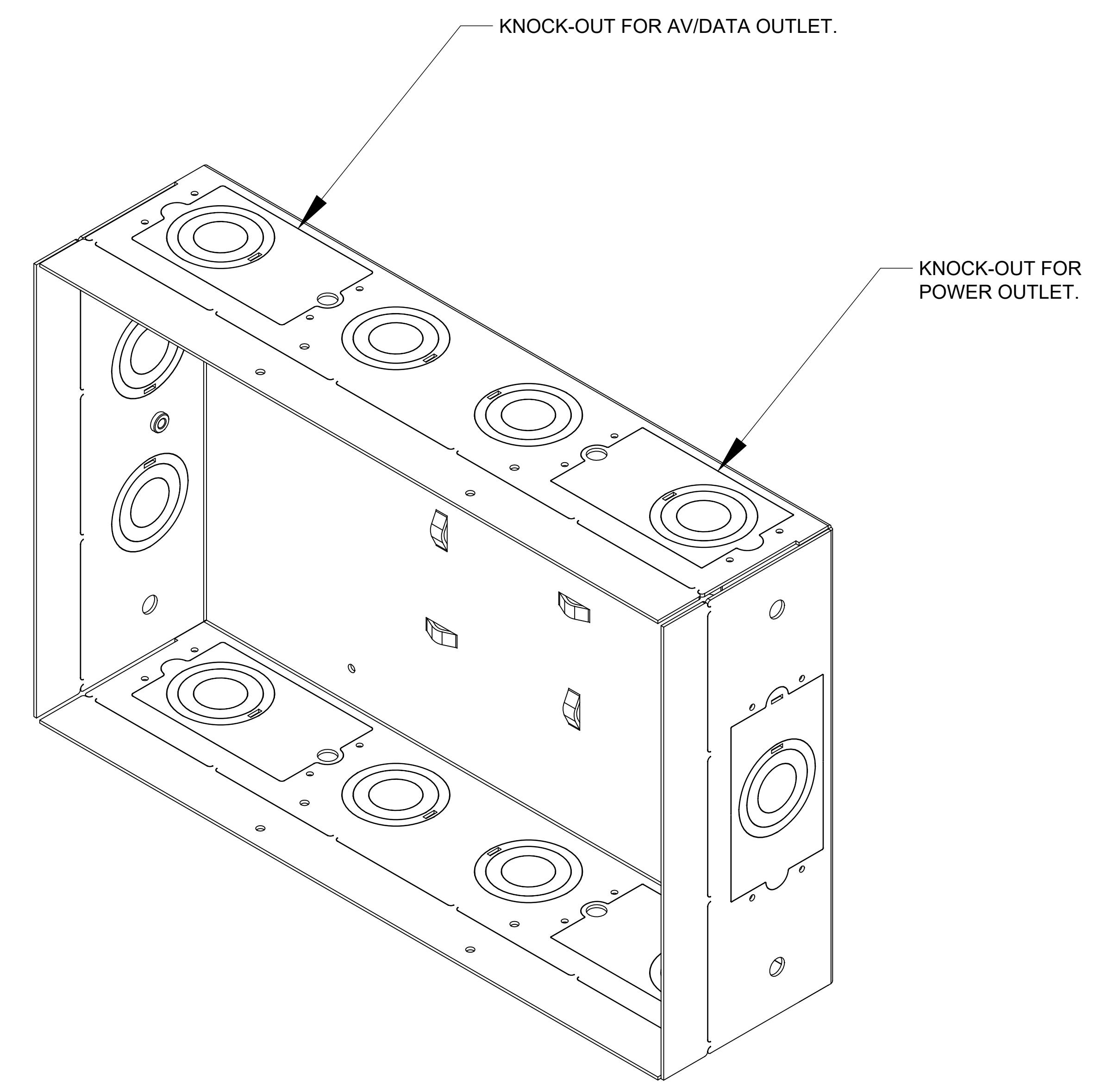
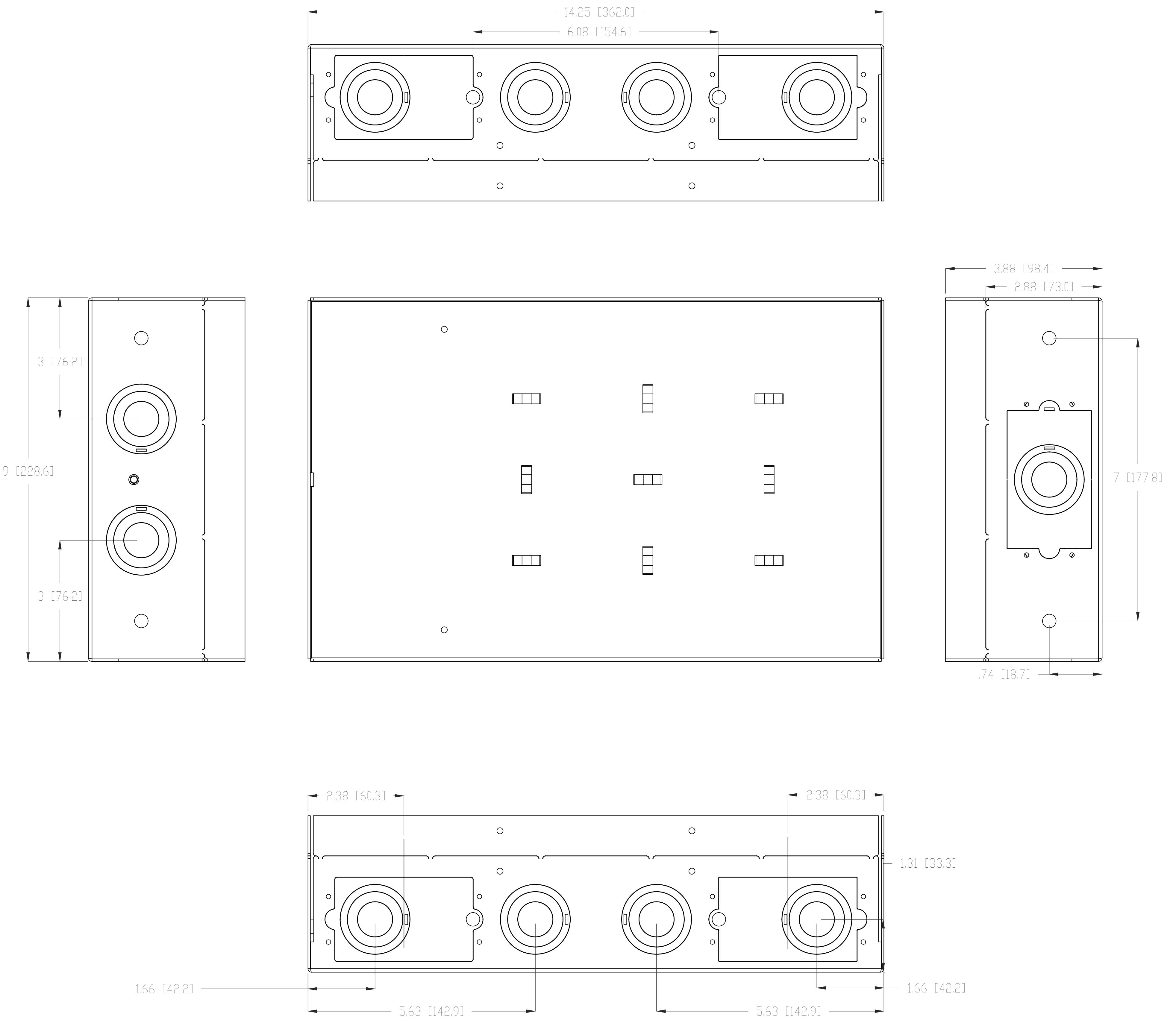
Certifications: UL Listed
Overall Dimensions (H x W x D): 9" x 14.25" x 3.9"
Weight Capacity: 10 lbs

Features

Multiple depth break away edge allows compatibility with standard 3.5" studs & 2.5" studs
Pre and post construction installation options
Drywall and stud mountable
Knockouts for single gang outlets and 1-1/4", 1", & 1/2" conduit
Integrated universal zip tie anchor points
Landscape/Portrait installation
Stores a large variety of AV components
Paintable flange and cover options to blend in any environment
Cover includes optional tamper proof security
Black & white color options

1 TYPICAL CHIEF #PAC525 BACK BOX SPECIFICATIONS

Scale: NTS



2 TYPICAL RECESSED BACKBOX CHIEF #PAC525 DETAIL

Scale: NTS

PERMIT ISSUE



BERGMAN WALLS &
ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE
PROJECT SHALL REMAIN THE PROPERTY OF THE
ARCHITECT, AND SHALL NOT BE COPIED OR USED
ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS
PROJECT, WITHOUT THE WRITTEN CONSENT OF THE
WRITTEN CONSENT OF BERGMAN, WALLS &
ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION.

SEAL:

CONSULTANT:



OWNER:
MGM RESORTS INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone, 702.662.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AHG - CATCH

REVISIONS:
No. Date Description
03.16.18 PERMIT ISSUE

These drawings are the instruments of service and are the property
of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the
right to make changes at any time and without notice.
These plans are not to be reproduced, changed or copied in any
way, whole or in part, without the written consent of Joyen M. Vail, R.A. Written dimensions on these
drawings are in inches and are to be taken at the face of the work.
© COPYRIGHT 2010 JOYEN M. VAIL, R.A.

DRAWING TITLE:
CONTROL
SYSTEM DETAIL -
7IN TOUCH
PANEL

All dimensions, levels, layouts and field conditions shall be verified
and checked by the architect before proceeding with the work.
MRID Project No. 17050

Consultant Project No. 17050
Date: 03/16/18
Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.
File Name:

ELV700.07

PERMIT ISSUE

SPECIFICATIONS:
Touch Screen Display
Display Type: TFT Active matrix color LCD
Size: 7 inch (178 mm) diagonal
Aspect Ratio: 16:9 WVGA
Resolution: 800 x 480 pixels
Brightness: 300 nits (cd/m²)
Contrast: 350:1
Color Depth: 18-bit, 262k colors
Illumination: Edge-lit LED
Viewing Angle: ±70° horizontal, ±65° vertical
Touch Screen: Projected Capacitive

Buttons
Hard Keys: (5) Projected capacitive pushbuttons, programmable, pre-labeled with icons
for "Power", "Home", "Lights", "Up", and "Down".
Reset: (1) Miniature pushbutton on rear panel for hardware reset.

Memory
LPDDR2 RAM: 1 GB
Flash: 4 GB
Maximum Project Size: 512 MB

Graphics Engine
Supports Smart Graphics™[2], multi-language Web browser[1], multilanguage
on-screen keyboard, screensaver.

Communications
Ethernet: 10/100 Mbps, auto-switching, auto-negotiating, auto-discovery,
full/half duplex, DHCP, IEEE 802.3af and 802.3at Type 1 compliant.

Video
Streaming Formats: H.264 (MPEG-4 part 10 AVC), MJPEG

Audio
Features: Built-in microphone and speakers, Rava® SIP Intercom, multilanguage voice
recognition[1].
Audio Feedback Formats: MP3

Connectors
LAN PoE: (1) 8-wire RJ45 with 2 LED indicators; 10Base-T/100Base-TX Ethernet port,
Power over Ethernet compliant; Green and yellow LEDs indicate Ethernet
port status.

Power Requirements
Power over Ethernet: IEEE 802.3at Type 1 (802.3af compatible) Class 3 (12.95W) PoE Powered
Device.

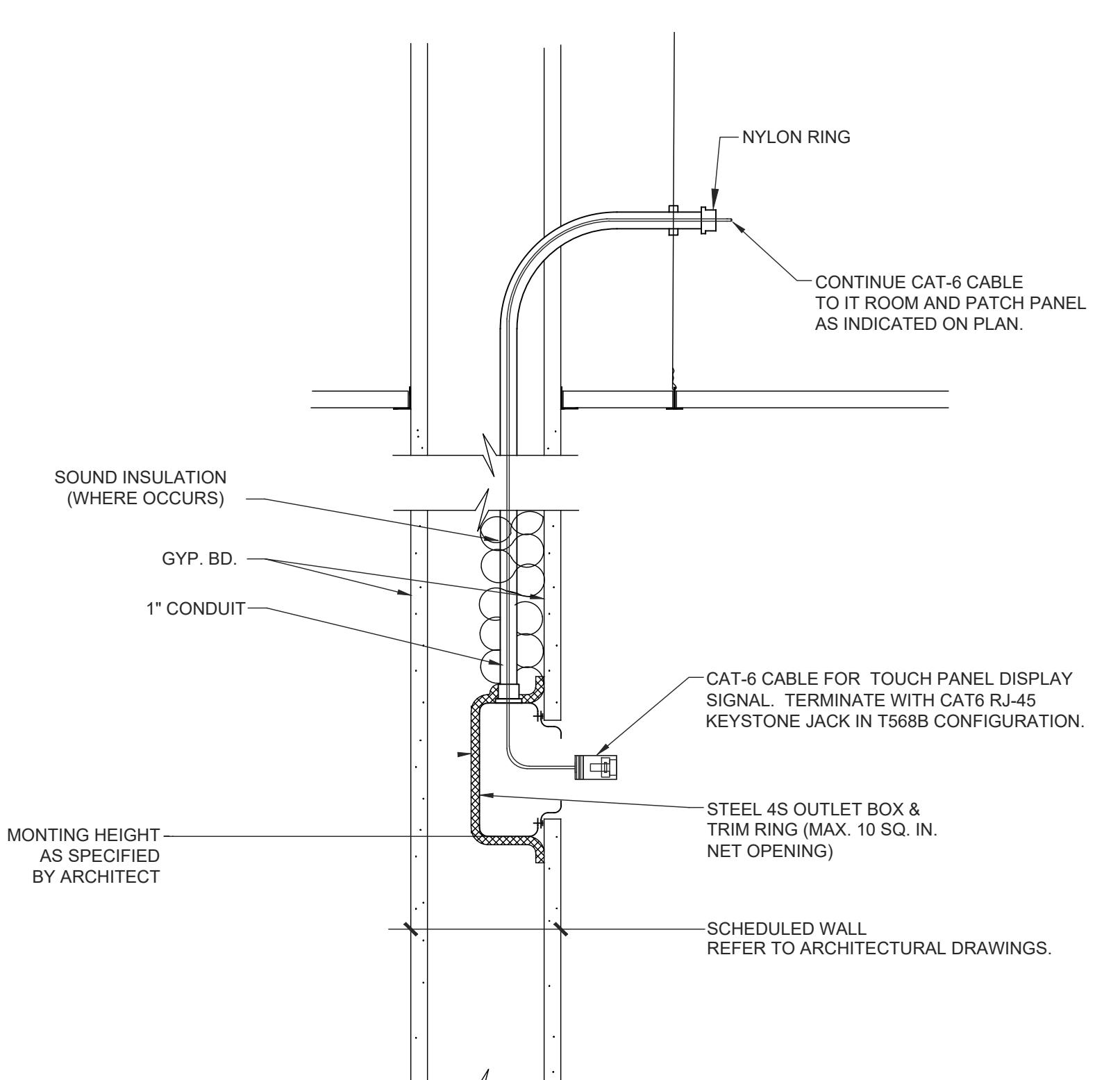
Environmental
Temperature: 32° to 112°F (0° to 45°C)
Humidity: 10% to 90% RH (non-condensing)
Heat Dissipation: 44 BTU/hr

Enclosure
Construction: Plastic, smooth black or white finish
Mounting: Surface mount over a 2 or 3-gang electrical box, 2-Gang
European (DIN 49073) electrical box, or 2-3/8" H x 3-3/8" W (60mm H
x 86mm W) cutout[5]; additional wall mount and tabletop options available
separately.

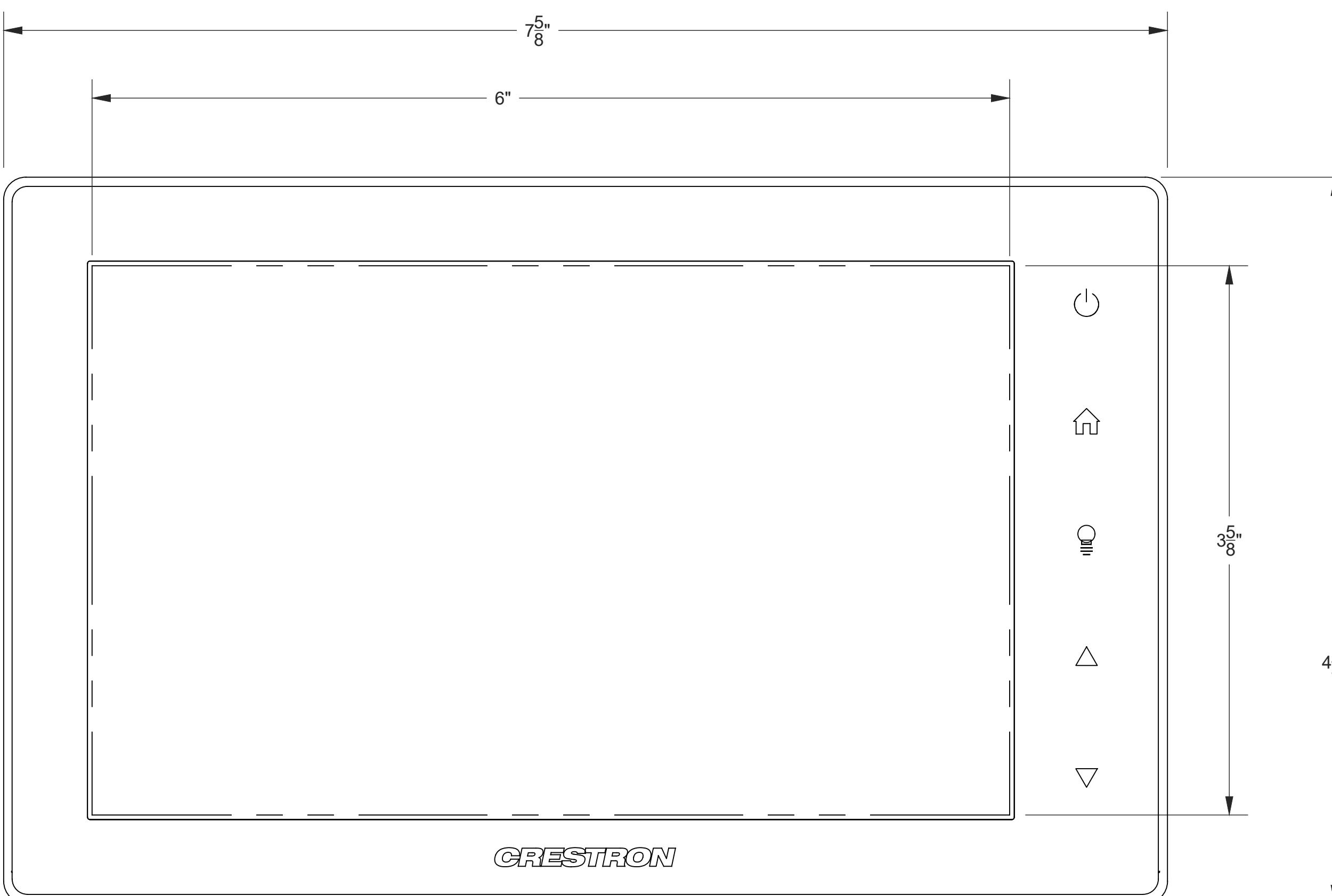
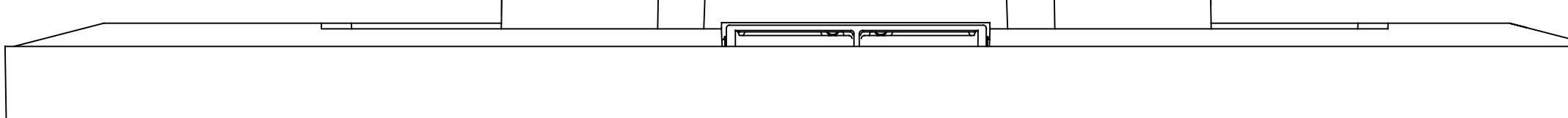
Dimensions
Height: 4.74 in (121 mm)
Width: 7.59 in (193 mm)
Depth: 2.03 in (52 mm)
Weight: 14.1 oz (400 g)

1 TYPICAL CRESTRON #TSW-760-B-S CONTROL TOUCH SCREEN SPECIFICATIONS
Scale: NTS

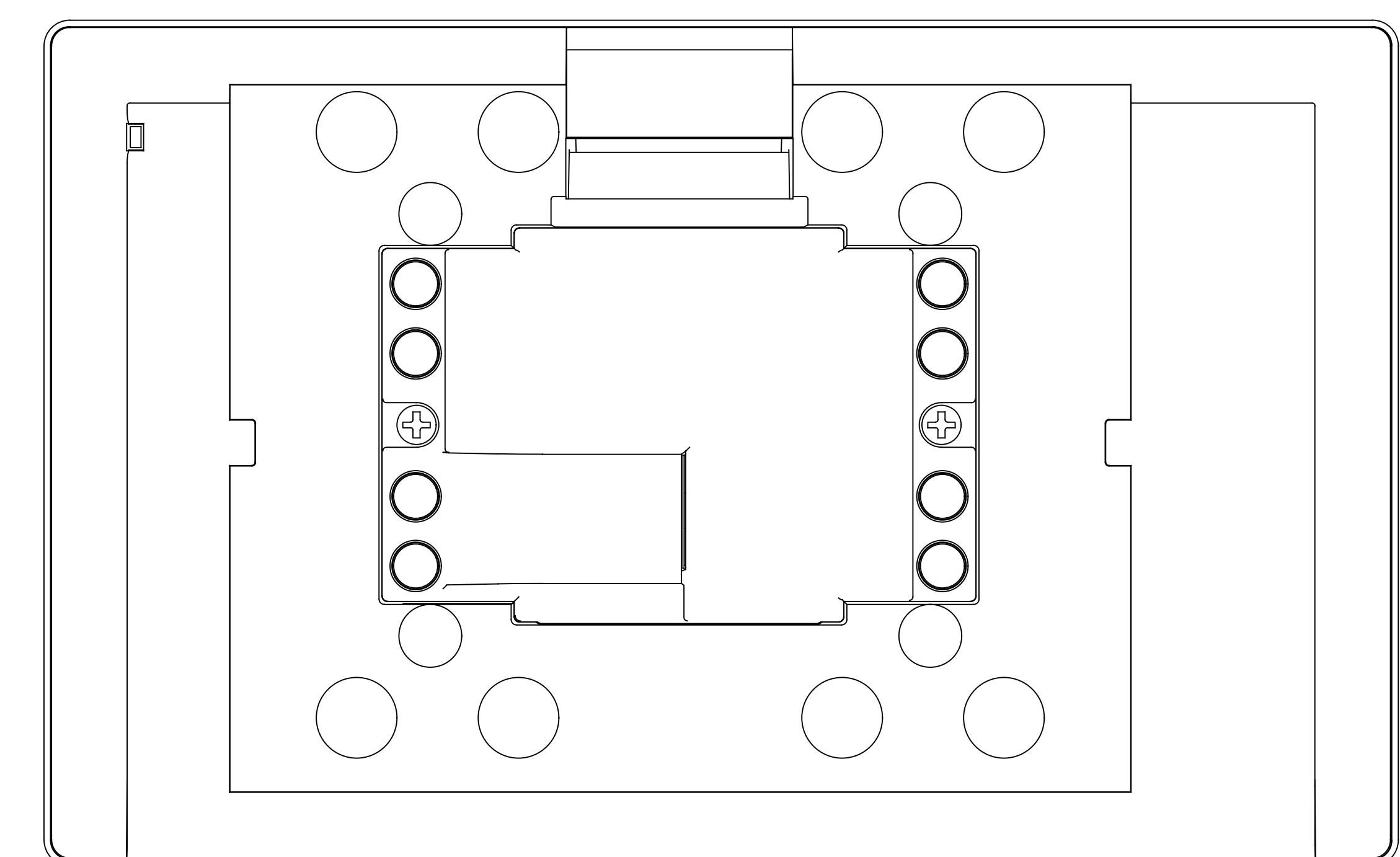
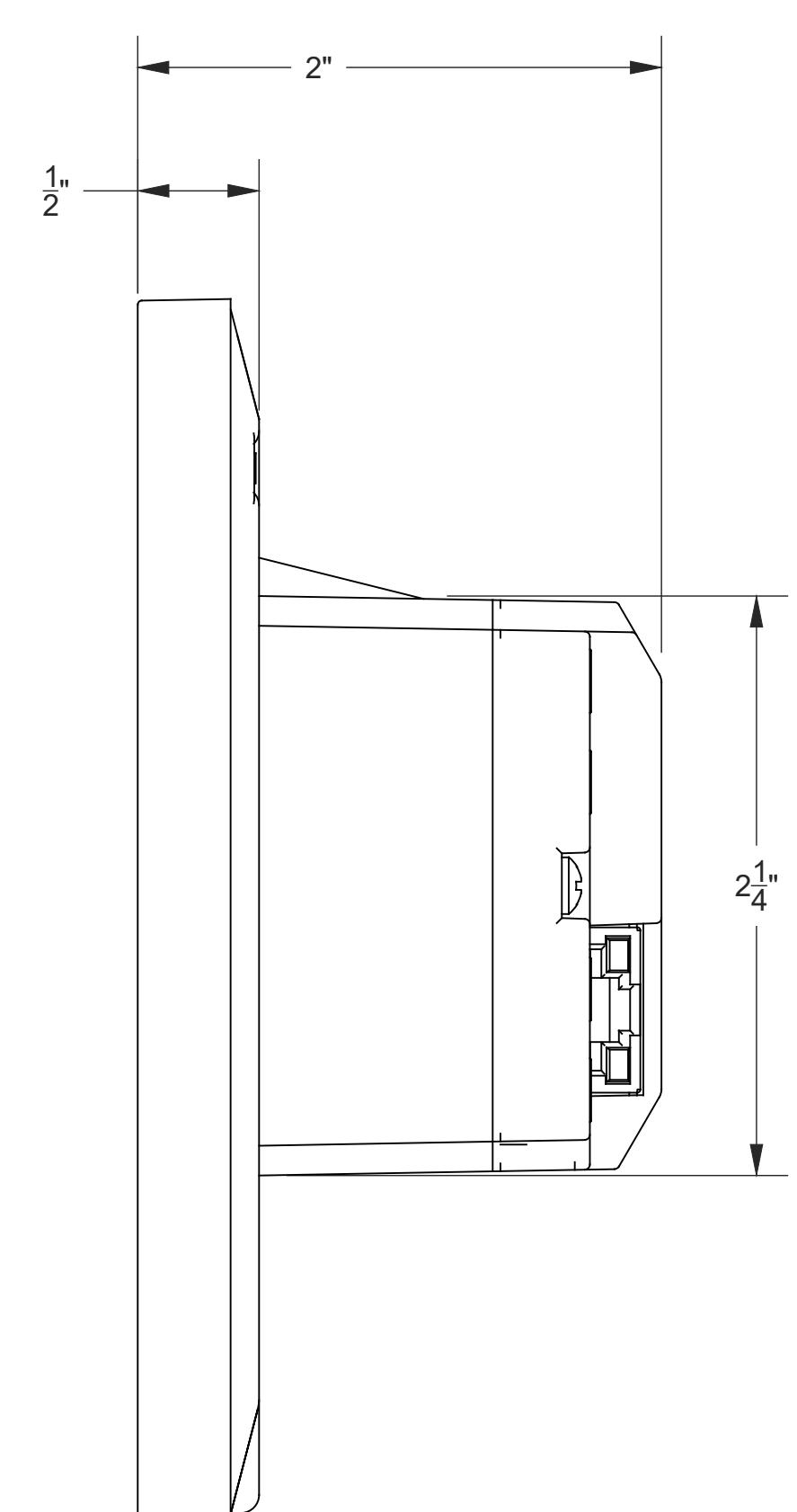
1



3 TYPICAL CRESTRON #TSW-760-B-S CONTROL TOUCH SCREEN BACK BOX DETAIL
Scale: NTS



2 TYPICAL CRESTRON #TSW-760-B-S 7" CONTROL TOUCH SCREEN DETAIL/VIEWS



ELV700.07
PERMIT ISSUE
Scale: NTS



BERGMAN WALLS &
ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THIS
PROJECT SHALL REMAIN THE PROPERTY OF THE
ARCHITECT, AND SHALL NOT BE COPIED OR USED
ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS
PROJECT, WITHOUT THE WRITTEN CONSENT OF THE
WRITTEN CONSENT OF BERGMAN WALLS &
ASSOCIATES LTD ARCHITECTS, A NEVADA CORPORATION

SEAL:

CONSULTANT:



OWNER:
MGM RESORTS INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone 702.862.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AHG - CATCH

REVISIONS:
No. Date Description
03.16.18 PERMIT ISSUE

These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes at any time. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the written consent of Joyen M. Vail, R.A. Written dimensions on these plans are to be taken from the original drawing only.

© COPYRIGHT 2010 JOYEN M. VAIL, R.A.
DRAWING TITLE:

CONTROL
SYSTEM DETAIL -
6 BUTTON KEY
PAD

All dimensions, levels, layouts and field conditions shall be verified
and checked by the architect before proceeding with the work.
MRID Project No. 17026

Consultant Project No. 17050

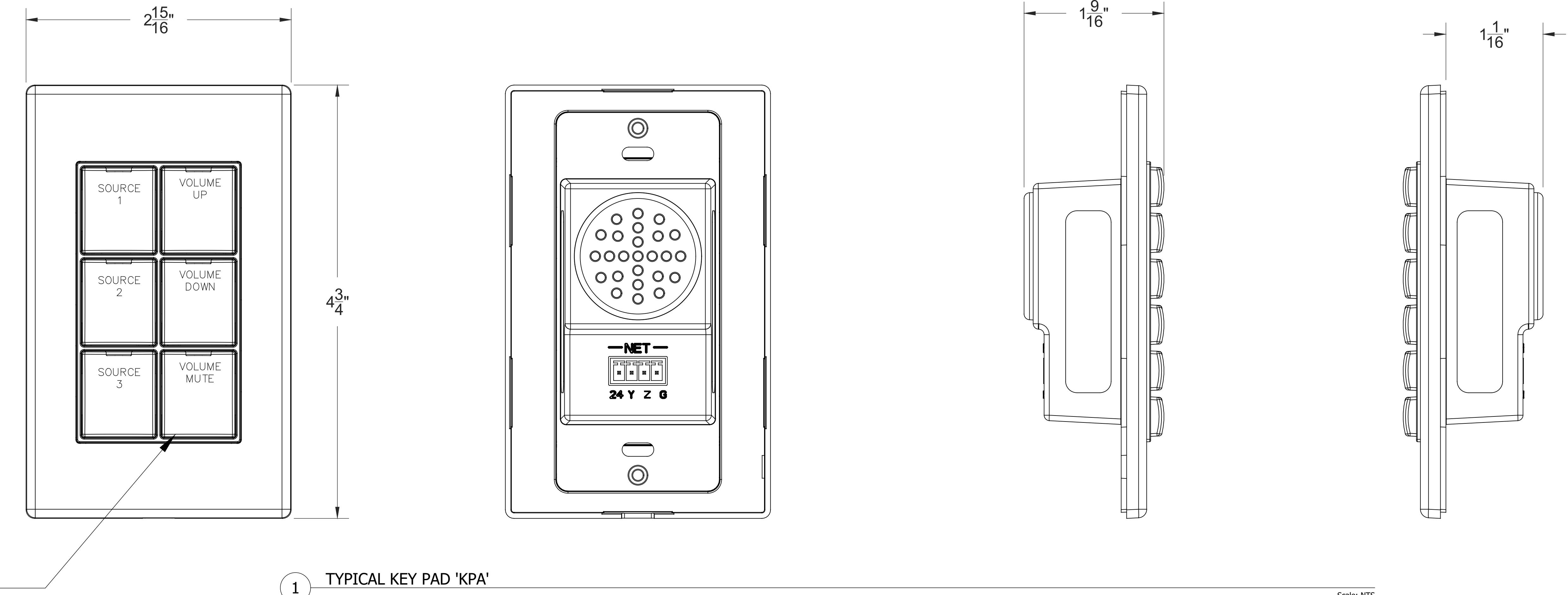
Date: 03/16/18

Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.

File Name:

ELV700.08

PERMIT ISSUE



CRESTRON CNX-B12 TO CONTROL ROOM LIGHTING
PRESETS AND ROOM AUDIO LEVEL AND SOURCE.
FOR REFERENCE ONLY.
INTEGRATOR TO COORDINATE WITH OWNER AND
CRESTRON PROGRAMMER FOR EXACT BUTTON
ENGRAVING LAYOUT AND KEYPAD COLOR.

1 TYPICAL KEY PAD 'KPA'

Scale: NTS

PERMIT ISSUE



BERGMAN WALLS &
ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THIS
PROJECT SHALL REMAIN THE PROPERTY OF THE
ARCHITECT, AND SHALL NOT BE COPIED OR USED
ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS
PROJECT, WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS &
ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION.

SEAL:

CONSULTANT:



6955 N. Durango Dr. Suite 115-281
Las Vegas, Nevada 89149
702.921.5700
Mike@D3Strategic.com

MGM RESORTS
INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone, 702.662.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AHG - CATCH

REVISIONS:

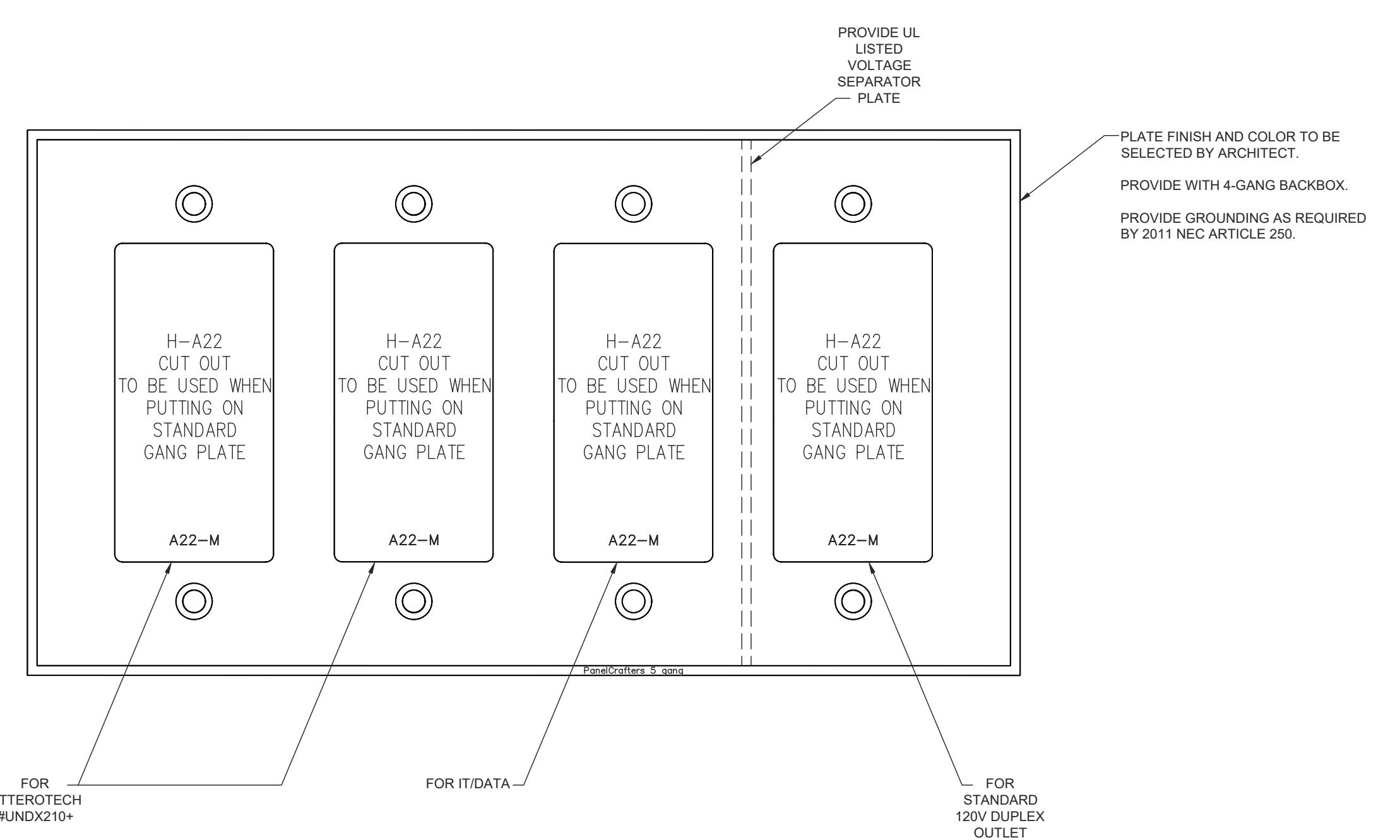
No.	Date	Description
	03.16.18	PERMIT ISSUE
▲	03.30.18	ADDENDUM A

These drawings are the instruments of service and are the property
of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the
right to make changes in them at any time and without notice.
These plans are not to be reproduced, changed or copied in any
form, whole or in part, without the written consent of Joyen M. Vail, R.A. Written dimensions on these
drawings are in inches. All dimensions, levels, layouts and field conditions shall be verified
and checked by the architect before proceeding with the work.

© COPYRIGHT 2010 JOYEN M. VAIL, R.A.

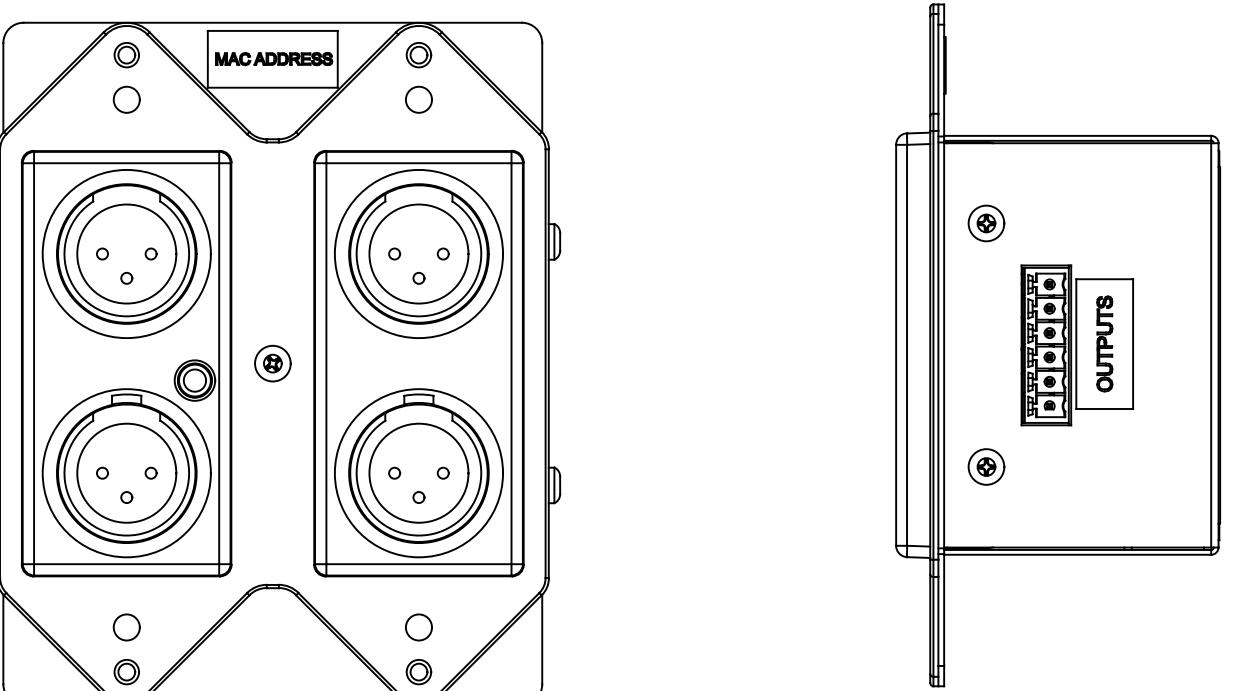
DRAWING TITLE:

WALL PLATE
DETAIL - TYPE
WPA WALL
PLATE



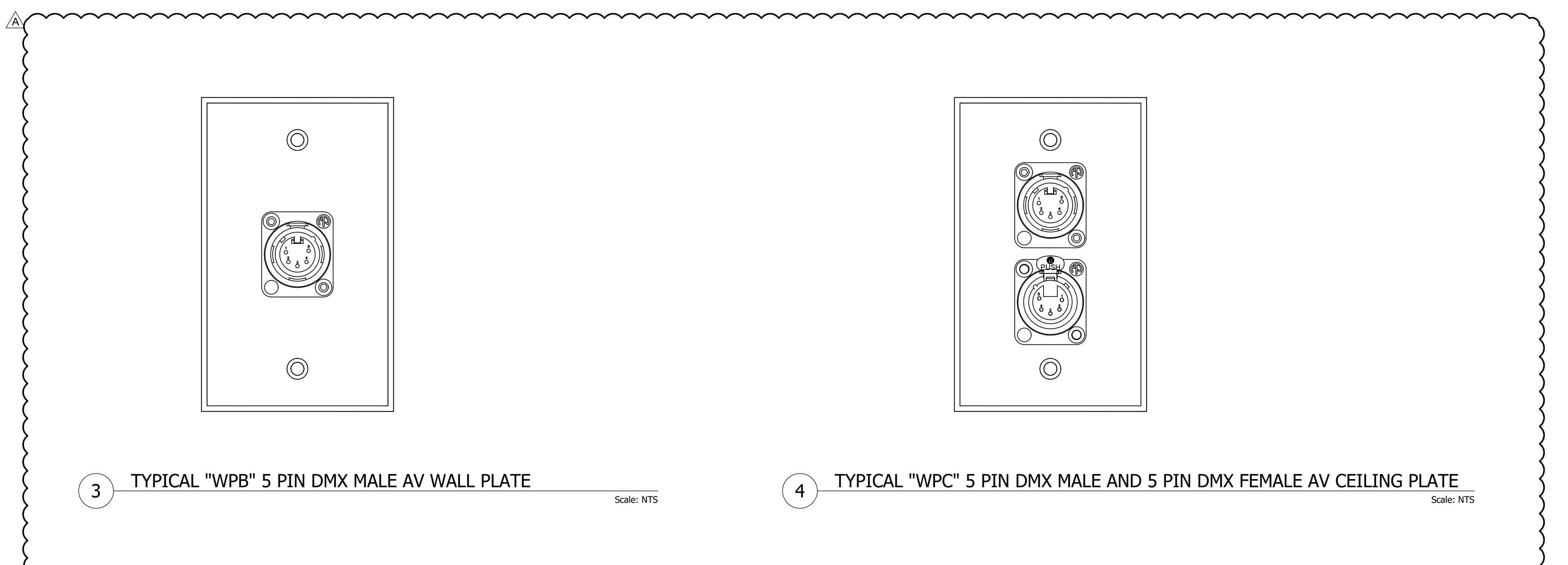
1 TYPICAL AUDIO VISUAL WALL PLATE DETAIL

Scale: NTS



2 TYPICAL ATTERTOTECH #UNDX210+ DETAIL TO BE MOUNT IN AV WALL PLATE

Scale: NTS



3 TYPICAL "WPB" 5 PIN DMX MALE AV WALL PLATE

Scale: NTS

4 TYPICAL "WPC" 5 PIN DMX MALE AND 5 PIN DMX FEMALE AV CEILING PLATE

Scale: NTS

All dimensions, levels, layouts and field conditions shall be verified
and checked by the architect before proceeding with the work.
MRID Project No. 17026

Consultant Project No. 17050

Date: 03/16/18

Drawn By D3 Inc.

Checked By D3 Inc.

Approved By D3 Inc.

File Name:

ELV700.09

PERMIT ISSUE

ARCHITECT:

BERGMAN WALLS & ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE
PROJECT DOCUMENTS REMAIN THE PROPERTY OF THE
ARCHITECT AND MAY NOT BE COPIED OR USED
ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS
PROJECT WITHOUT THE WRITTEN CONSENT OF THE
WRITTEN CONSENT OF BERGMAN WALLS &
ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION

SEAL:

CONSULTANT:



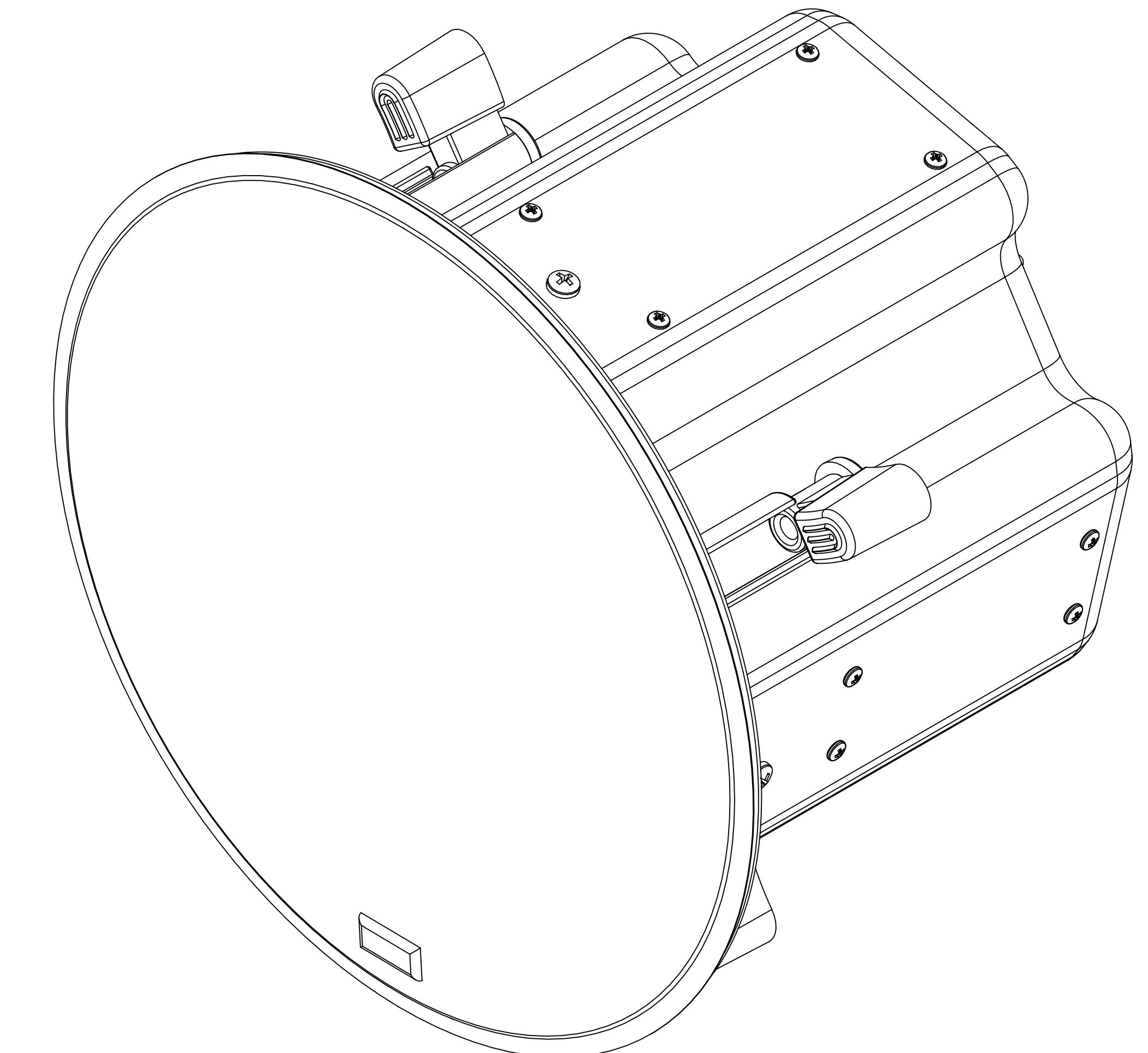
OWNER:

3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone, 702.662.1750 Fax

Scale: NTS

REVISIONS:
No. Date Description
03.16.18 PERMIT ISSUEThese drawings are the instruments of service and are the property
of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the
right to make changes at any time and without notice.
These plans are not to be reproduced, changed or copied in any
way, whole or in part, without the written consent of Joyen M. Vail, R.A. Written dimensions on these
plans are to be taken from the original drawing only.
© COPYRIGHT 2010 JOYEN M. VAIL, R.A.DRAWING TITLE:
AUDIO SYSTEM
DETAIL - MEYER
ASHBY-5C
SPEAKERAll dimensions, levels, layouts and field conditions shall be verified
and checked by the architect before proceeding with the work.
MRID Project No. 17026Consultant Project No. 17050
Date: 03/16/18
Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.
File Name:ELV700.10
Scale: NTS

PERMIT ISSUE



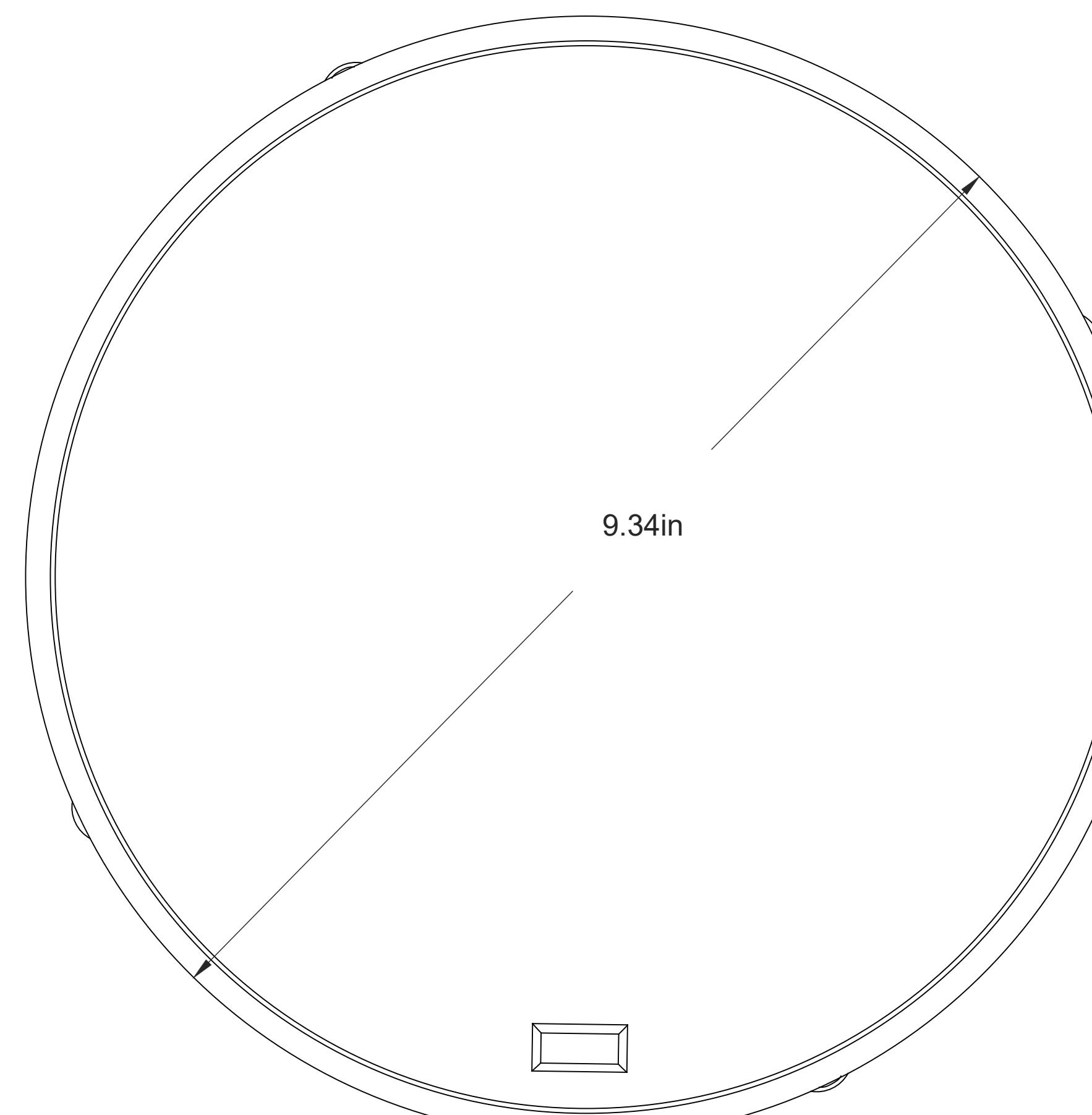
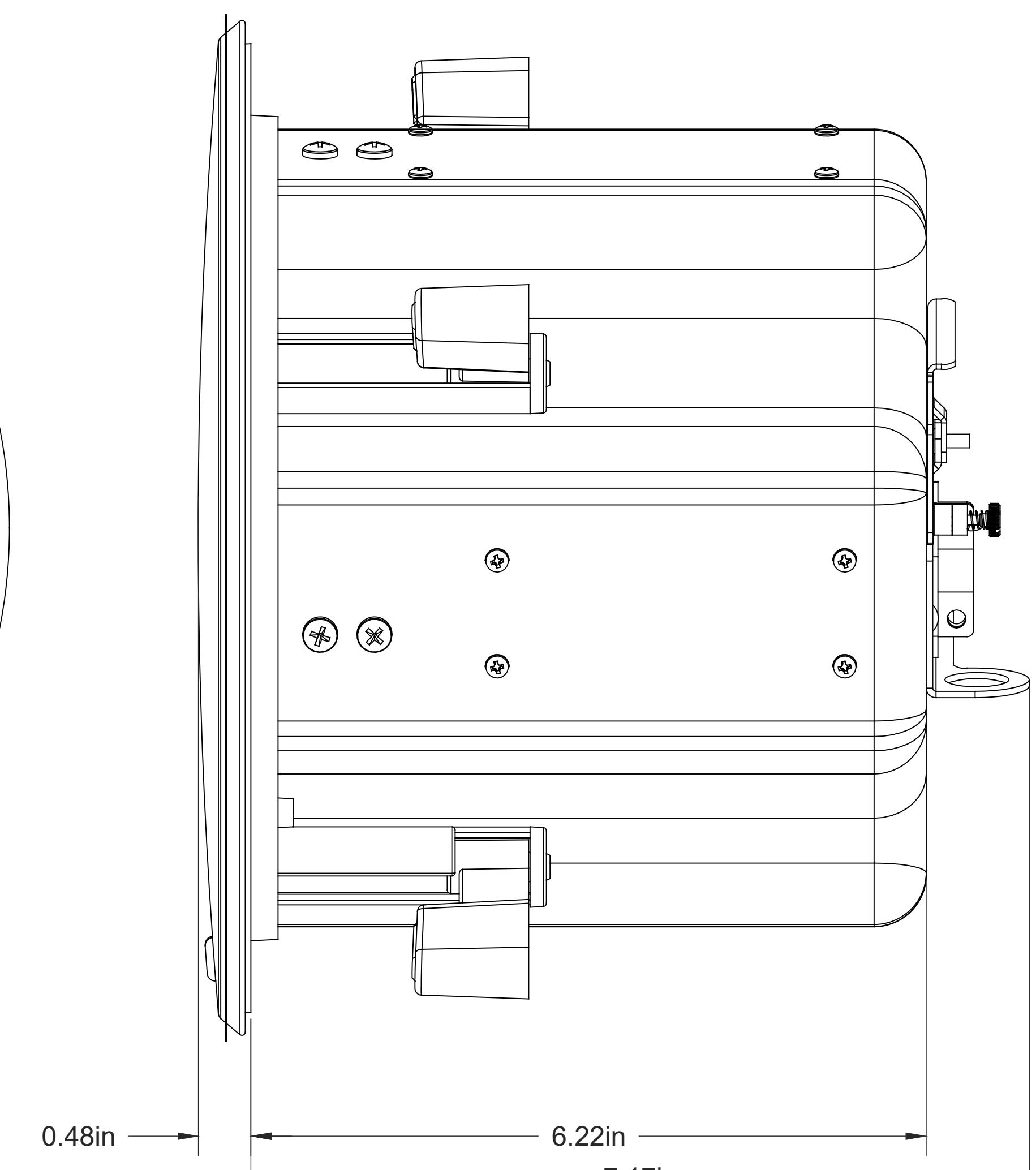
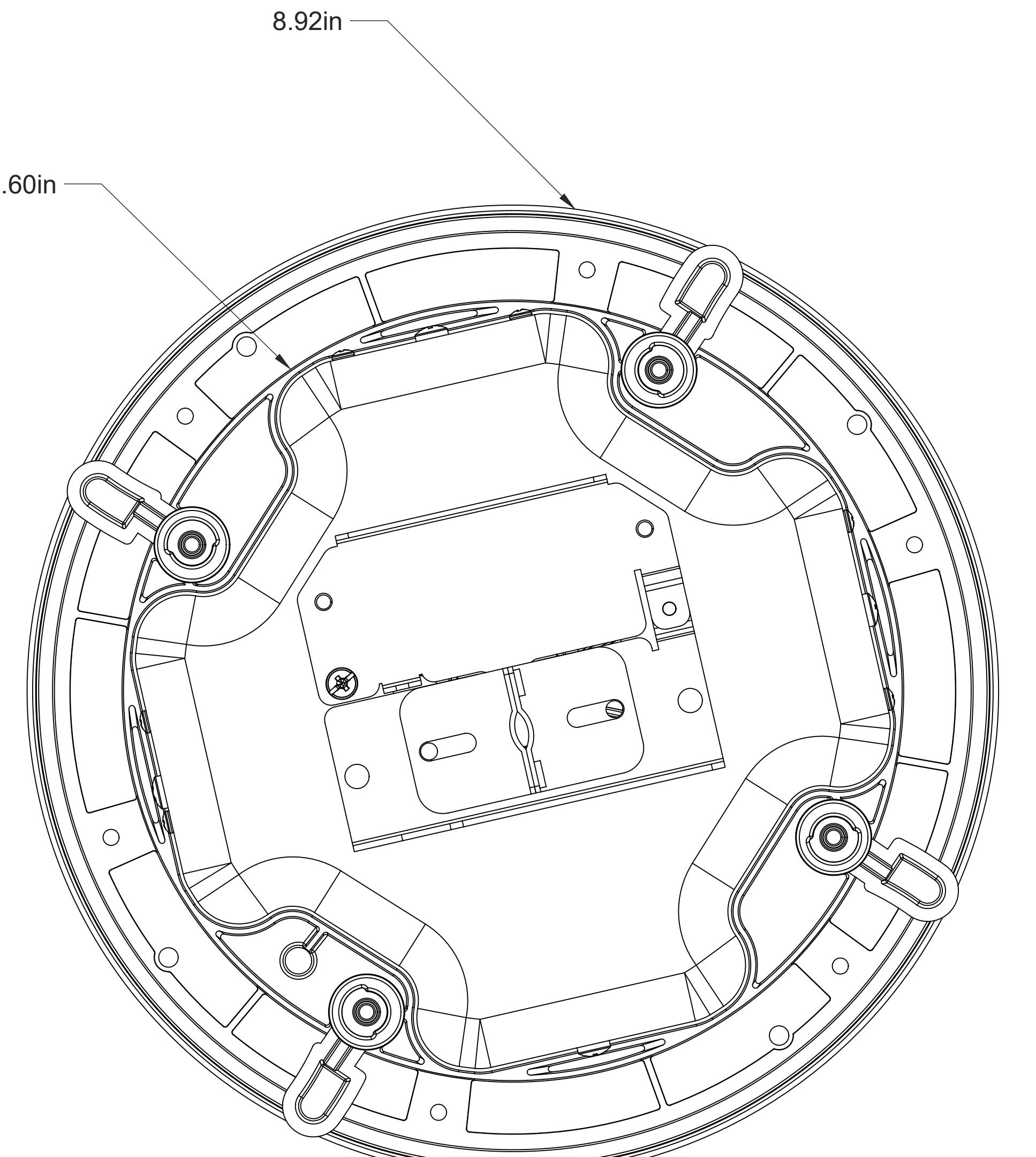
SPECIFICATIONS:
ACOUSTICAL
 OPERATING FREQUENCY RANG 1: 100 Hz - 18Hz
 FREQUENCY RESPONSE 2: 110Hz - 16kHz ±4 dB
 PHASE RESPONSE:
 LINEAR PEAK SPL3: 104.5 dB, PINK NOISE 107.5 dB, B-NOISE 112.0dB, M-NOISE
COVERAGE
COVERAGE: 110° CONICAL
TRANSDUCERS
LOW FREQUENCY: ONE 5-IN CONE DRIVER
HIGH FREQUENCY: ONE 0.75-IN DOME TWEETER MOUNTED CONCENTRICALLY IN WAVE GUIDE IN FRONT OF 5-IN DRIVER
CONNECTOR PANEL
AUDIO/POWER CONNECTOR: TWO 5-PIN FEMALE PHOENIX (ONE INPUT AND A HARD WIRED LOOP-OUTPUT)
PINOUT: TWO PINS FOR 48 DC POWER, THREE PINS FOR BALANCED AUDIO
POWER WIRING: PIN 1: DC POWER (-) PIN 2: DC POWER (+)
AUDIO WIRING: PIN 3: AUDIO SHIELD, CHASSIS/EARTH PIN 4: SIGNAL (-) PIN 5: SIGNAL (+)
LED: DISPLAYS LOUDSPEAKER STATUS
INPUT
TYPE: DIFFERENTIAL, ELECTRONICALLY BALANCED
IMPEDANCE: 10 KΩ BALANCED (AC IMPEDANCE)
NOMINAL INPUT SENSITIVITY: -2.5 dBV (0.25 V RMS, 100 V PEAK) CONTINUOUS AVERAGE IS TYPICALLY THE ONESET OF LIMITING FOR NOISE AND MUSIC WHERE PINK NOISE HAS 12dB PEAK-TO-RMS RATIO
AUDIO INPUT SOURCE: AUDIO SOURCE MUST BE CAPABLE OF PRODUCING +16 dBV (6.3 V RMS, 9.0 V PEAK) INTO 600 Ω TO PRODUCE THE MAXIMUM PEAK SPL OVER THE OPERATING BANDWIDTH OF THE LOUDSPEAKER WITH A SINE WAVE.
AMPLIFIER
TYPE: HIGH EFFICIENCY CLASS D
OUTPUT POWER 4: 220 W (440 W PEAK)
COOLING: NATURAL CONVECTION THROUGH THE METAL ENCLOSURE
DC POWER
48V DC: POWERED FROM MEYER SOUND MPS-488HP
SAFETY AGENCY RATED OPERATING RANGE 5: 48 V DC
CURRENT DRAW
IDLE CURRENT: 0.16 A RMS
MAXIMUM LONG-TERM CONTINUOUS CURRENT (>3 SEC): 0.32 A RMS
MAXIMUM INSTANTANEOUS PEAK CURRENT: 1.70 A PEAK
MEYER SOUND POWER SUPPLY REQUIRED: FOR INFORMATION AND SPECIFICATIONS ON THE MEYER SOUND MPS-488HP INTELLIGENTDC EXTERNAL POWER SUPPLY, REFER TO ITS DATASHEET.

COMPLIANCE
SAFETY AGENCY CERTIFICATION: STANDARD FOR AUDIO, VIDEO AND SIMILAR ELECTRONIC APPARATUS: UL 60065, CSA C22.2 NO. 60065-03 (AMD 2), IEC 60065, IEC 62368-1 FIRE RATED TO UL STANDARD 2043; PRODUCT AND ACCESSORIES INSTALLED IN AIR-HANDLING SPACES CE AND FCC PART 15 EMISSION CLASS B EMISSION LIMITS APPLIED

EMC CERTIFICATION:

① TYPICAL MEYER #ASHBY-5C SPEAKER SPECIFICATIONS

Scale: NTS



② TYPICAL MEYER #ASHBY-5C SPEAKER DETAIL

Scale: NTS

PERMIT ISSUE

ARCHITECT:

BERGMAN WALLS & ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE
PROJECT DOCUMENTS REMAIN THE PROPERTY OF THE
ARCHITECT, AND SHALL NOT BE COPIED OR USED
ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS
PROJECT, WITHOUT THE WRITTEN CONSENT OF THE
BERGMAN WALLS & ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION

SEAL:

CONSULTANT:



OWNER:

3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone, 702.662.1750 Fax

RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT: AH-C - CATCH

REVISIONS:

No.	Date	Description
03.16.18		PERMIT ISSUE

These drawings are the instruments of service and are the property
of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the
right to make changes at any time and without notice.
These plans are not to be reproduced, changed or copied in any
way, whole or in part, without the written consent of Joyen M. Vail, R.A. Written dimensions on these
drawings are in inches. All dimensions, levels, layouts and field conditions shall be verified
and checked by the contractor before proceeding with the work.
© COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:

AUDIO SYSTEM
DETAIL - MEYER
MM-4XPD
SPEAKERAll dimensions, levels, layouts and field conditions shall be verified
and checked by the contractor before proceeding with the work.
MRID Project No. 17026

Consultant Project No. 17050

Date: 03/16/18

Drawn By D3 Inc.

Checked By D3 Inc.

Approved By D3 Inc.

File Name:

PERMIT ISSUE

Scale: NTS

ELV700.11

SPECIFICATIONS:

ACOUSTICAL

OPERATING FREQUENCY RANG 1: 120 Hz - 18Hz
 FREQUENCY RESPONSE 2: 135Hz - 17kHz ±4 dB
 PHASE RESPONSE: 330Hz - 20kHz ± 45°
 MAXIMUM PEAK SPL 3: 113 dB
 DYNAMIC RANGE: 100 dB

COVERAGE

HORIZONTAL AND VERTICAL: HYPERCARDIOID RESPONSE WITH <10 dB FRONT-TO-BACK RATIO UP TO 500 Hz 120° (500 Hz - 4 kHz); 80° (4kHz - 10 kHz ±10°)

TRANSDUCERS

TYPE: ONE 4" CONE DRIVER
 NOMINAL IMPEDANCE: 4Ω

REAR PANEL

AUDIO/POWER CONNECTOR: SWITCHCRAFT EN3 5-PIN MALE (TWO PINS FOR 48 V DC POWER, THREE PINS FOR BALANCED AUDIO)
 POWER WIRING: PIN 1: DC POWER (-) PIN 2: DC POWER (+)
 AUDIO WIRING: PIN 3: AUDIO SHIELD, CHASSIS/ EARTH PIN 4: AUDIO (-) PIN 5: AUDIO (+)

LED: DISPLAYS LOUDSPEAKER STATUS

AUDIO INPUT

TYPE: DIFFERENTIAL, ELECTRONICALLY BALANCED

MAXIMUM COMMON MODE RANGE: ±5 V DC

INPUT IMPEDANCE: 10kΩ ELECTRONICALLY BALANCED

DC BLOCKING: 4.8 Hz HIGH PASS

CMRR: <-60 dB, TYPICALLY <-72 dB (200 Hz - 3 kHz)

RF FILTER: COMMON MODE: 616 kHz DIFFERENTIAL MODE: 616 kHz

NOMINAL INPUT SENSITIVITY: -2.5 dBV (0.75 V RMS, 1.00 V PEAK) CONTINUOUS AVERAGE IS TYPICALLY THE ONSET OF LIMITING FOR NOISE AND MUSIC

INPUT LEVEL: AUDIO SOURCE MUST BE CAPABLE OF PRODUCING ±16 dBV (6.3 V RMS, 9.0 V PEAK) INTO 600 Ω TO PRODUCE MAXIMUM PEAK SPL OVER THE OPERATING BANDWIDTH OF THE LOUDSPEAKER

AMPLIFIER

TYPE: CLASS-D
 OUTPUT POWER 4: 220 W (440 W PEAK)
 THD, IM, TIM: <0.02%
 LOAD: 4Ω
 COOLING: CONVECTION

DC POWER

SAFETY AGENCY RATED OPERATING RANGE 5: 48 V DC

CURRENT DRAW: 0.7 A AVERAGE; 2.2 A PEAK

IDLE CURRENT: 0.16 A RMS

MAXIMUM LONG-TERM CONTINUOUS CURRENT (>3 SEC): 0.7 A RMS

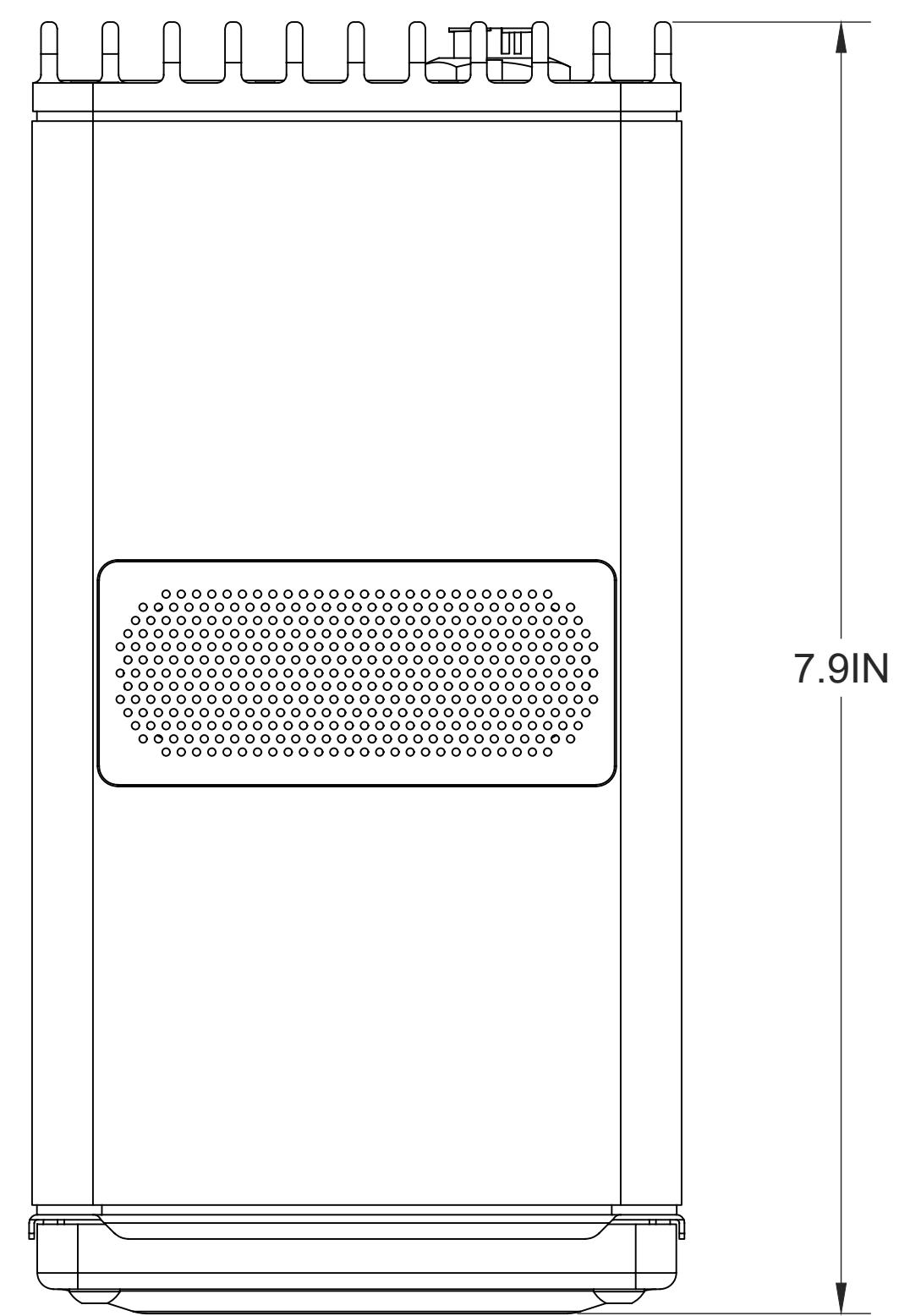
BURST CURRENT (<1 SEC): 2.2 A RMS

MAXIMUM INSTANTANEOUS PEAK CURRENT: 2.35 A PEAK

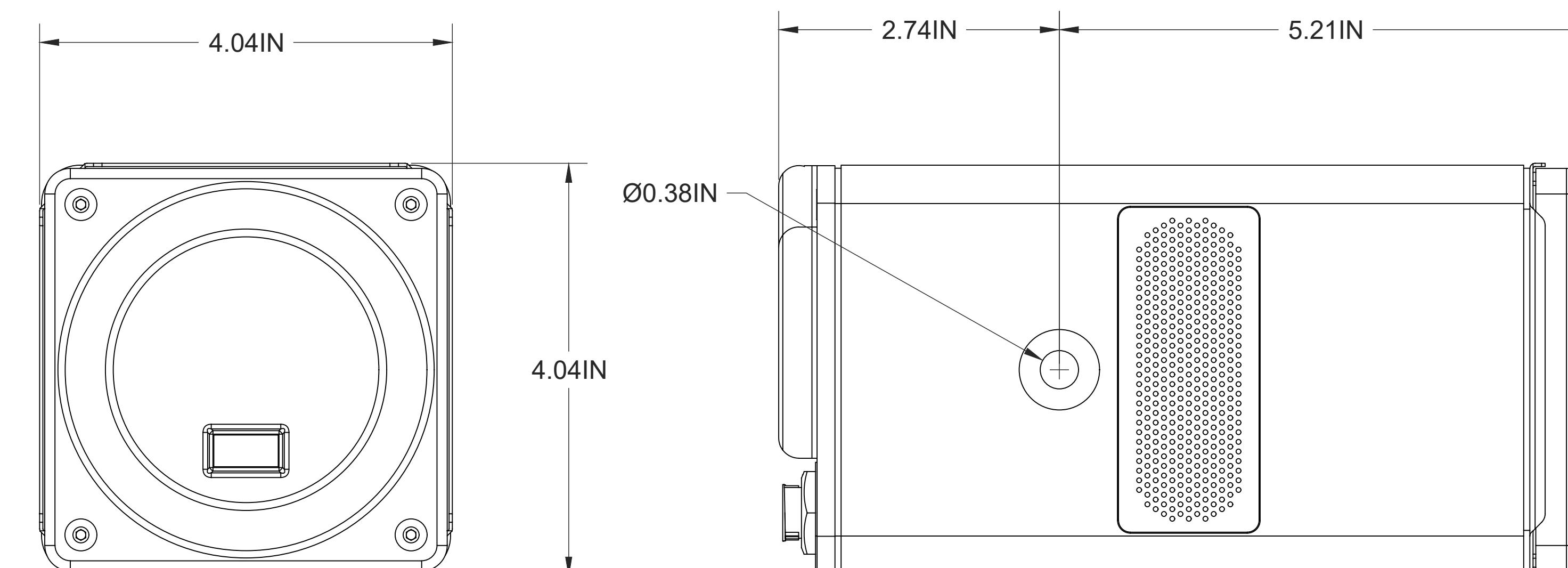
INRUSH CURRENT: <7.0 A PEAK

1 TYPICAL MEYER #MM-4XPD SPEAKER SPECIFICATIONS

Scale: NTS



7.9IN

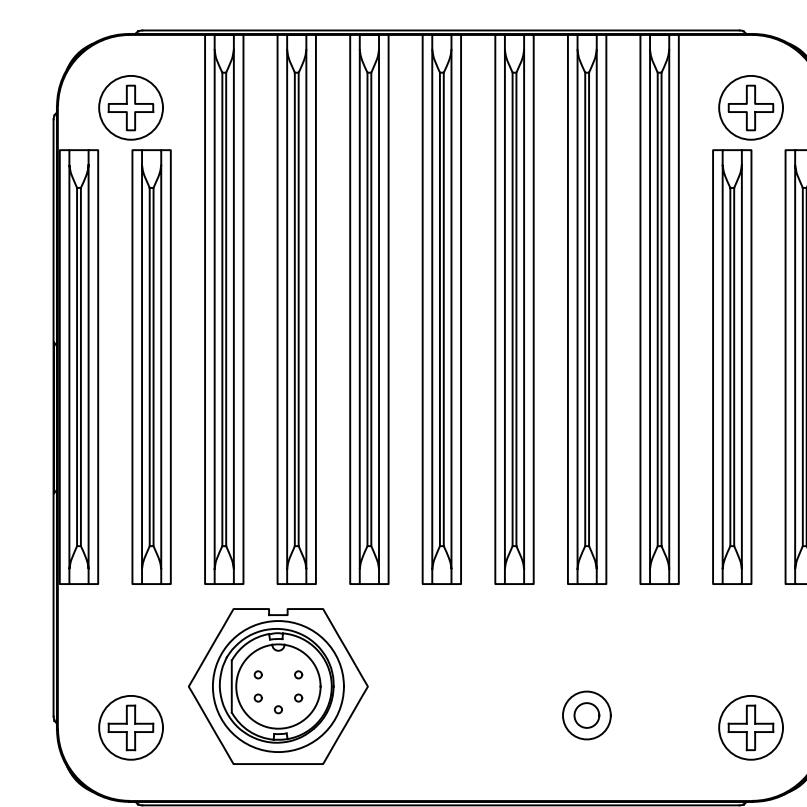


Ø0.38IN

4.04IN

2.74IN

5.21IN



2 TYPICAL MEYER #MM-4XPD SPEAKER DETAIL

Scale: NTS

PERMIT ISSUE

ARCHITECT:



BERGMAN WALLS &
ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014

ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE
SERVICES RENDERED BY THE ARCHITECT FOR THIS
PROJECT ARE THE PROPERTY OF THE ARCHITECT AND MAY NOT BE COPIED
ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS
PROJECT, WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS &
ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION

SEAL:

CONSULTANT:



OWNER:
MGM RESORTS INTERNATIONAL
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone, 702.862.1750 Fax

Aria
RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT:

REVISIONS:
No. Date Description
03.16.18 PERMIT ISSUE

These drawings are the instruments of service and are the property
of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the
right to make changes at any time. These plans are not to be reproduced, changed or copied in any
way, whole or in part, without the written consent of Joyen M. Vail, R.A. Written dimensions on these
plans are to be taken at the time of issue.

© COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:

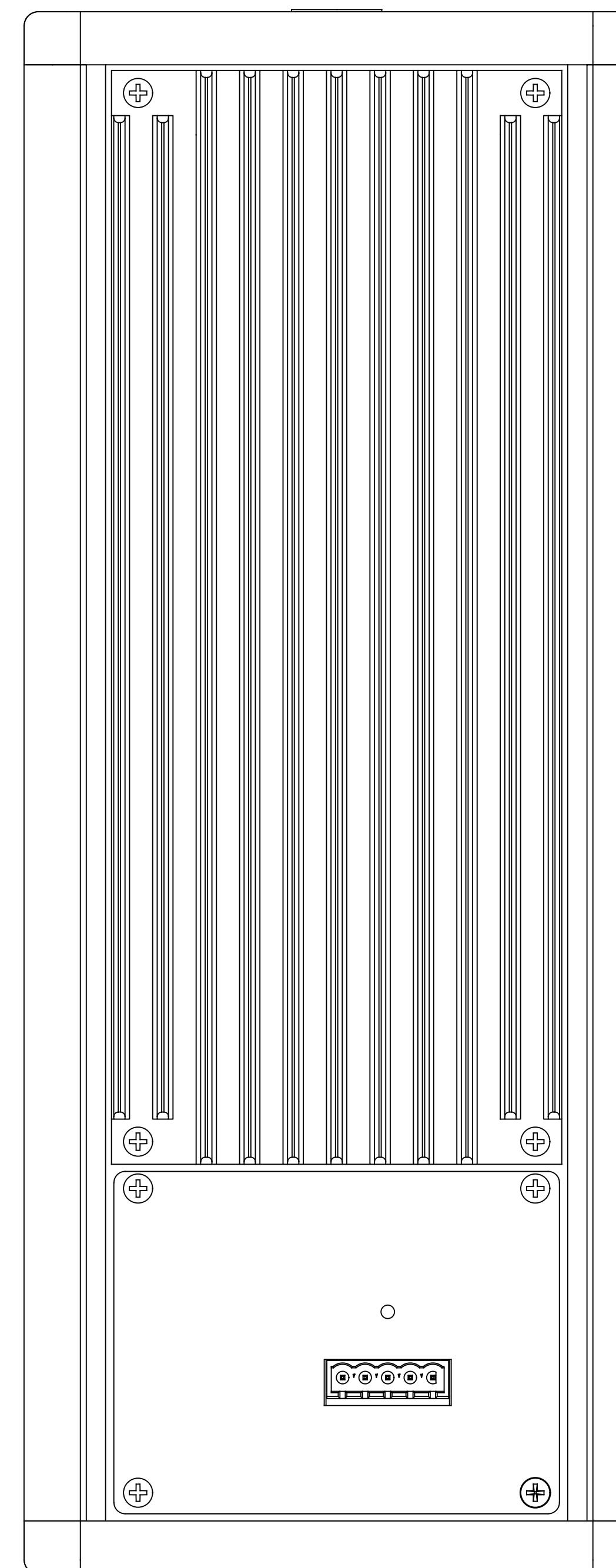
AUDIO SYSTEM
DETAIL - MEYER
UP-4XP
SPEAKER

All dimensions, levels, layouts and field conditions shall be verified
and checked by the architect before proceeding with the work.
MRID Project No. 17026

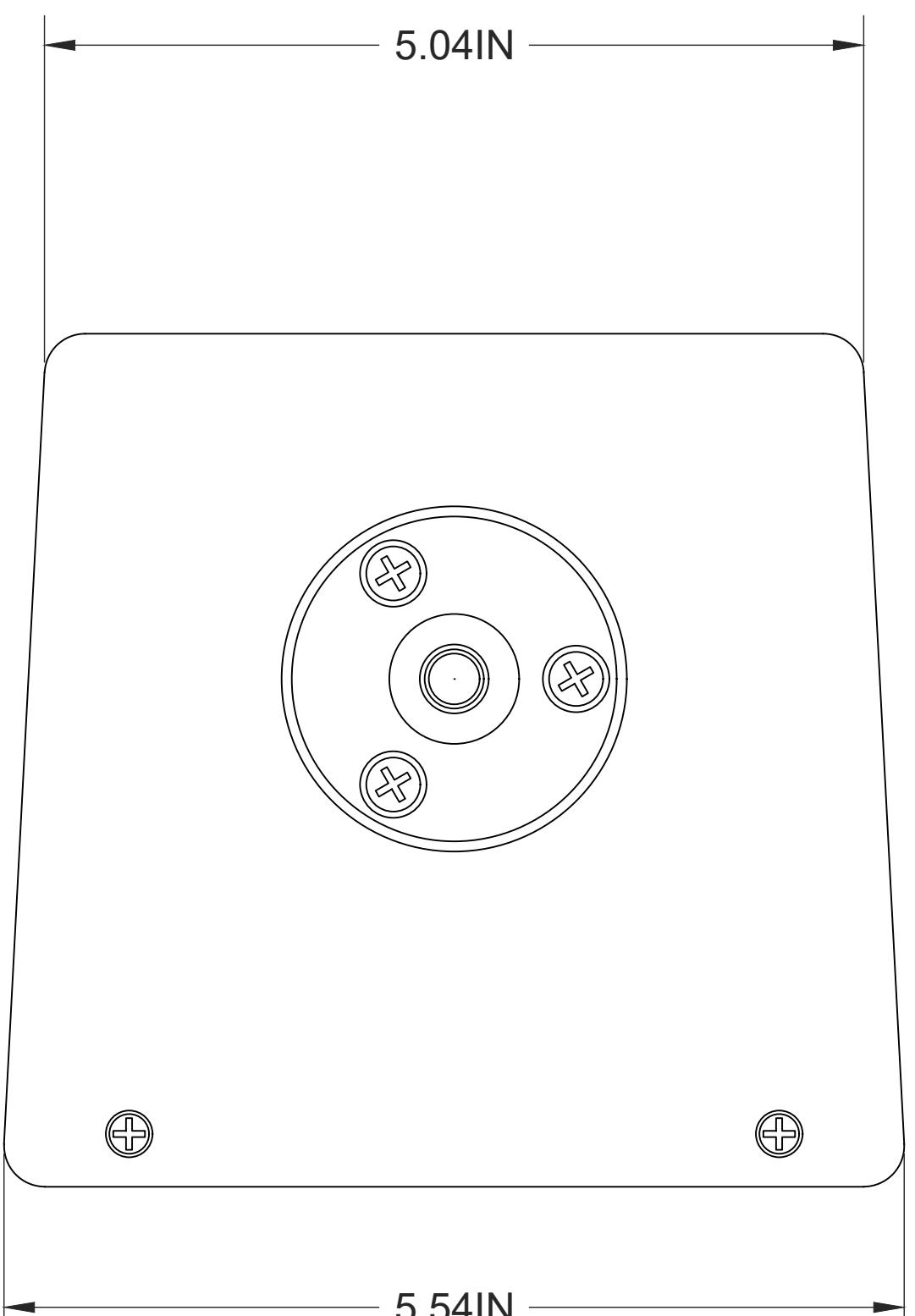
Consultant Project No. 17050
Date: 03/16/18
Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.
File Name:

ELV700.12

PERMIT ISSUE

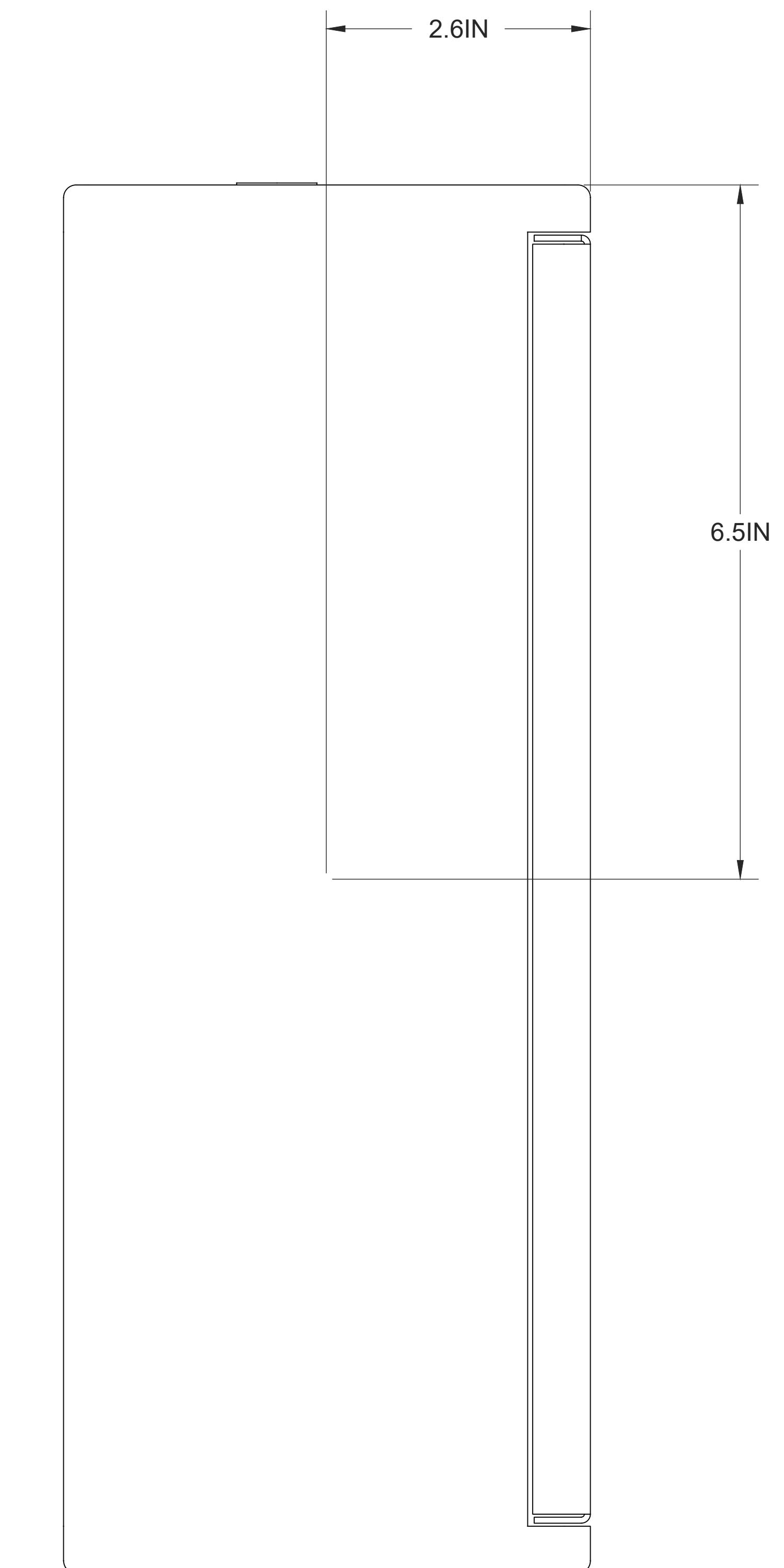
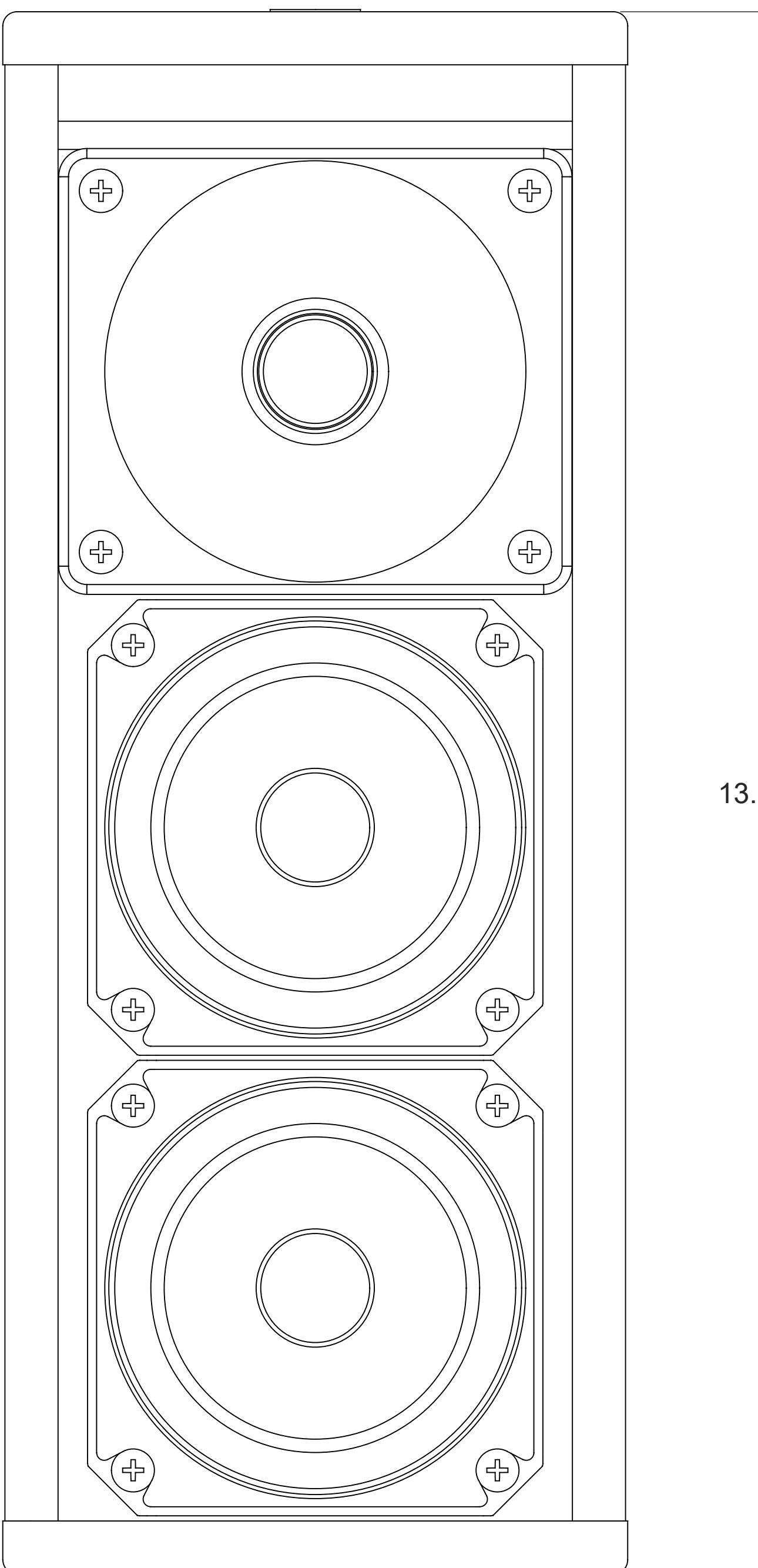


2 TYPICAL MEYER #UP-4XP SPEAKER DETAIL



1 TYPICAL MEYER #UP-4XP SPEAKER SPECIFICATIONS

Scale: NTS



Scale: NTS

PERMIT ISSUE

ARCHITECT:

BERGMAN WALLS & ASSOCIATES
799 VALLE VERDE COURT
HENDERSON, NEVADA 89014ALL DRAWINGS AND SPECIFICATIONS ISSUED AS PART OF THE
PROJECT DOCUMENTS REMAIN THE PROPERTY OF THE ARCHITECT AND ARE NOT TO BE COPIED OR USED ON ANY OTHER PROJECT OR FOR COMPLETION OF THIS PROJECT WITHOUT THE WRITTEN CONSENT OF BERGMAN WALLS & ASSOCIATES LTD. ARCHITECTS, A NEVADA CORPORATION.

SEAL:

CONSULTANT:

DEFINE DESIGN DELIVER
6955 N Durango Dr. Suite 115-281
Las Vegas, Nevada 89149
702.921.5700
Mike@D3Strategic.com

OWNER:

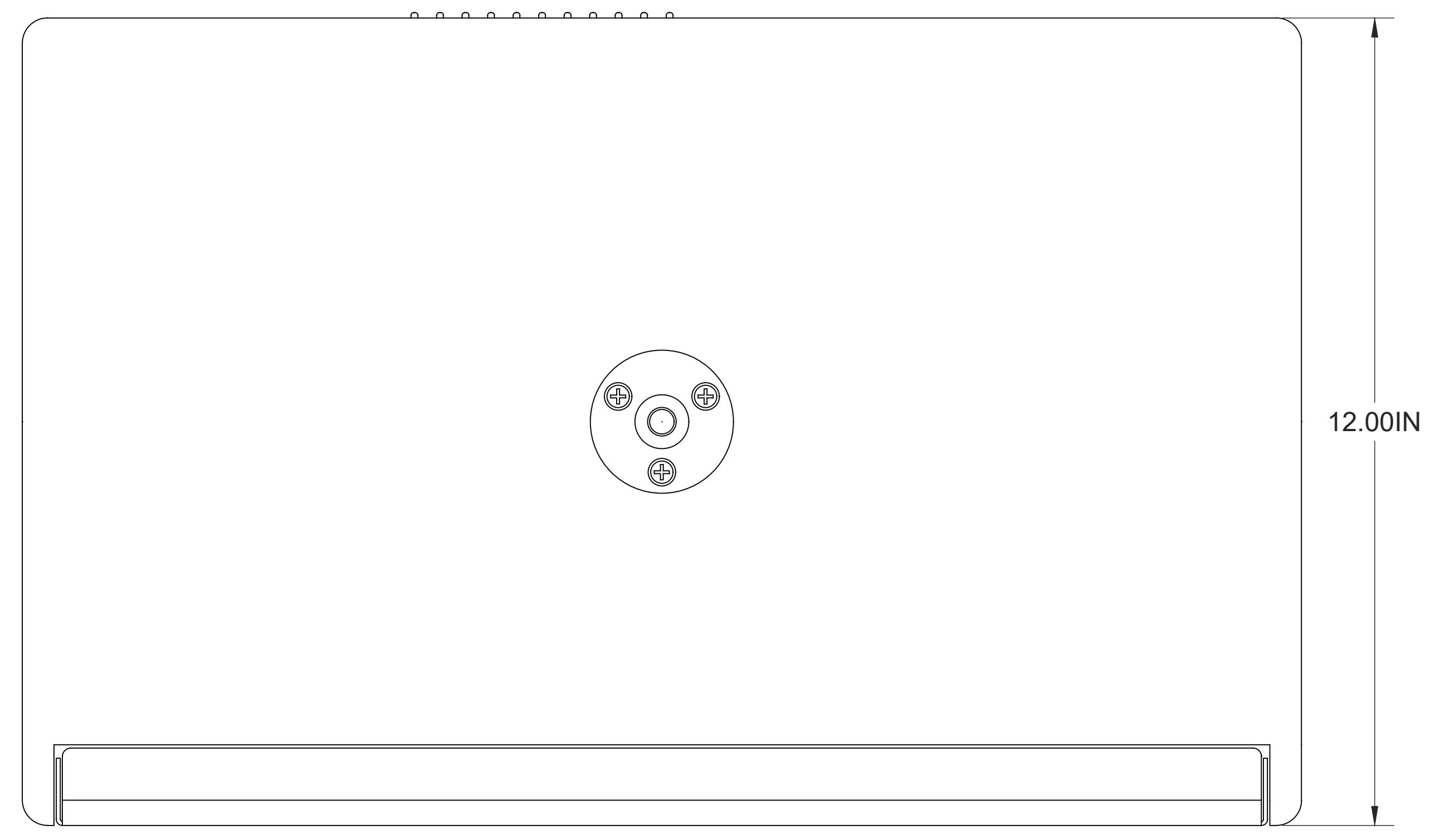
3260 Industrial Road, Las Vegas,
NV 89109
702.692.9622 Phone 702.862.1750 Fax

RESORT HOTEL & CASINO LAS VEGAS, NEVADA
PROJECT:REVISIONS:
No. Date Description
03.16.18 PERMIT ISSUE

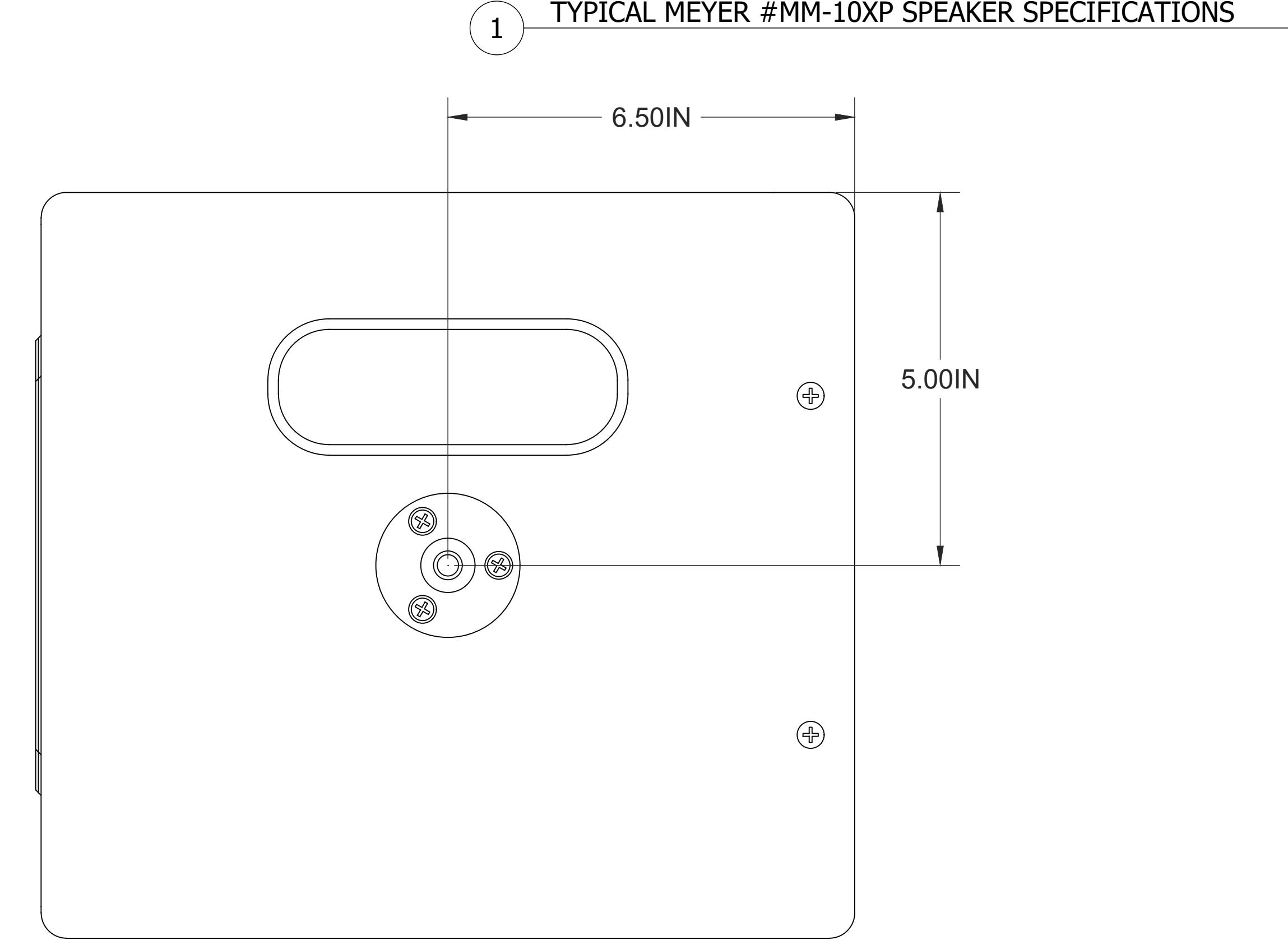
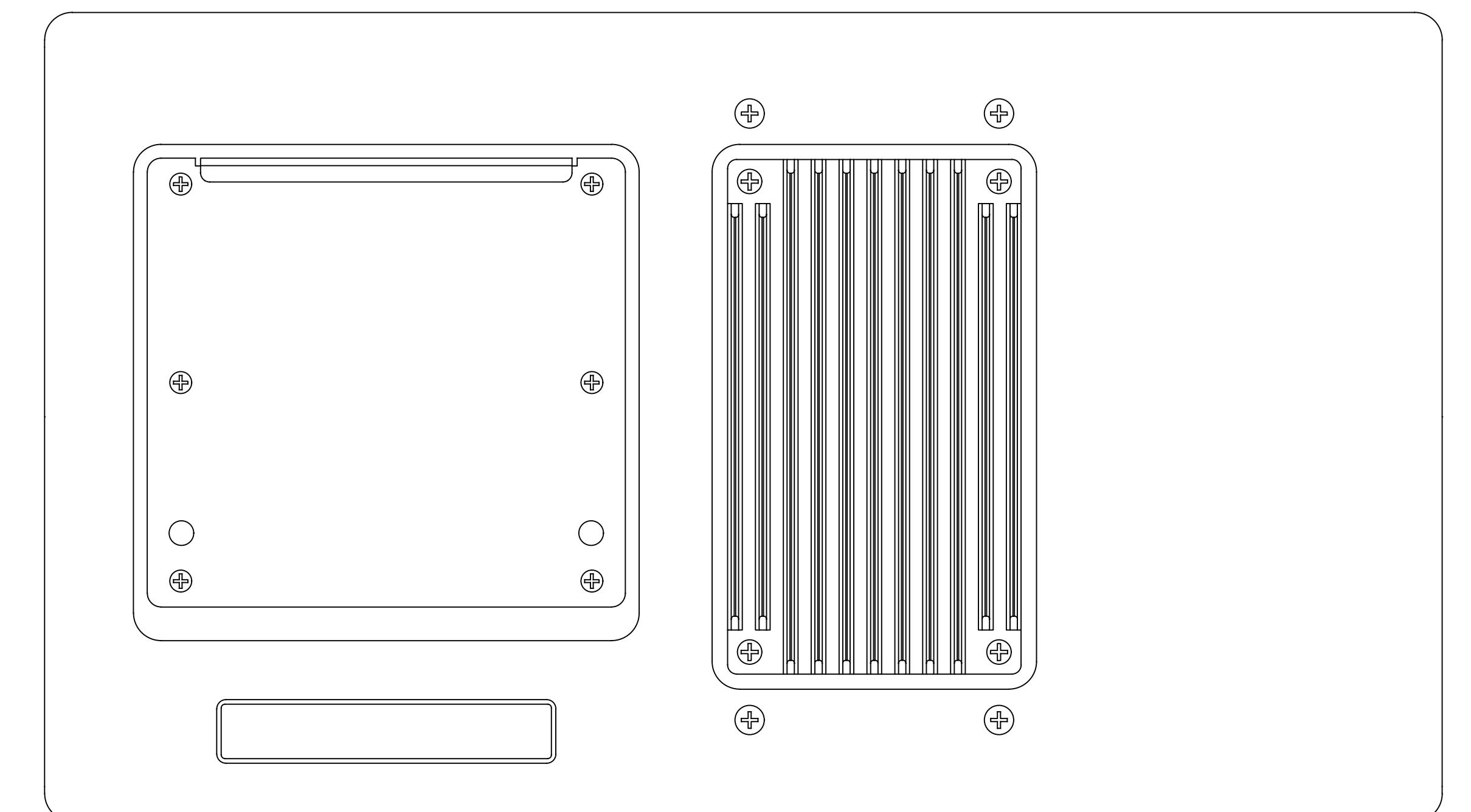
These drawings are the instruments of service and are the property of Joyen M. Vail, R.A. Joyen M. Vail expressly reserves the right to make changes at any time. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are they to be assigned to any third party without the written consent of Joyen M. Vail, R.A. Written dimensions on these plans are in inches. © COPYRIGHT 2018 JOYEN M. VAIL, R.A.

DRAWING TITLE:
AUDIO SYSTEM
DETAIL - MEYER
MM-10XP
SPEAKERAll dimensions, levels, layouts and field conditions shall be verified and checked by the contractor before proceeding with the work.
MRID Project No. 17026Consultant Project No. 17050
Date: 03/16/18
Drawn By D3 Inc. Checked By D3 Inc. Approved By D3 Inc.
File Name:ELV700.13
Scale: NTS

PERMIT ISSUE



1 TYPICAL MEYER #MM-10XP SPEAKER DETAIL



SPECIFICATIONS:

ACOUSTICAL

- OPERATING FREQUENCY RANGE 1: 33 Hz - 228Hz
- FREQUENCY RESPONSE 2: 35Hz - 208Hz ±4 dB
- PHASE RESPONSE: 28Hz - 138Hz ± 45°
- MAXIMUM PEAK SPL 3: 123 dB
- DYNAMIC RANGE 4: <100 dB

COVERAGE

- COVERAGE: 360°

TRANSDUCERS

- TYPE: 10-IN CONE DRIVER
- NOMINAL IMPEDANCE: 4 OHMS
- VOICE COIL SIZE: 2 INCHES
- POWER HANDLING: 400 W (AES) 4

AUDIO INPUT

- TYPE: DIFFERENTIAL, ELECTRONICALLY BALANCED
- MAXIMUM COMMON MODE RANGE: ±5 V DC
- INPUT IMPEDANCE: 10K OHMS ELECTRONICALLY BALANCED
- DC BLOCKING: 4.8 Hz HIGH PASS
- CMRR: <-60 dB, TYPICALLY <-72 dB (200 Hz - 3 kHz)
- RF FILTER: COMMON MODE: 616 kHz; DIFFERENTIAL MODE: 616 kHz
- NOMINAL INPUT SENSITIVITY: -2.0 dBV (0.8 V RMS) CONTINUOUS IS TYPICALLY THE ONSET OF LIMITING FOR NOISE AND MUSIC
- INPUT LEVEL: AUDIO SOURCE MUST BE CAPABLE OF PRODUCING ±16 dBV (6.3 V RMS, 9.0 V PEAK) INTO 600Ω TO PRODUCE THE MAXIMUM PEAK SPL OVER THE OPERATING BANDWIDTH OF THE LOUDSPEAKER

AMPLIFIER

- TYPE: CLASS D
- OUTPUT POWER 4: 220 W
- TOTAL OUTPUT: 440 W PEAK
- THD, IM, TIM: <.02%
- LOAD CAPACITY: 4Ω
- COOLING: CONVECTION

1 TYPICAL MEYER #MM-10XP SPEAKER SPECIFICATIONS

Scale: NTS

PERMIT ISSUE