

PLOT DATE: 9/24/2015 / PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) / PLOT BY: ANDY ADAMS

" AMERICANS EXHIBITION "

THE SMITHSONIAN NATIONAL MUSEUM OF THE AMERICAN INDIAN
THIRD LEVEL GALLERY SOUTH, GALLERY 3007
4TH STREET AND INDEPENDENCE AVENUE SW
WASHINGTON, DC 161202

AUDIO, VIDEO AND CONTROL SYSTEMS
AS BUILT
FEBRUARY 13, 2018

ELECTROSONIC

ISSUE

DESCRIPTION
AS BUILT
DATE
FEBRUARY 13, 2018
APPROVED

REVISIONS

REV	DATE	DESCRIPTION

PROJECT NO.	SCALE
ENC100655	NONE
ENGINEER	
PFA	
DRAWN	CREATED
ESI	
AREA/ATTRACTION	

AMERICANS
EXHIBITION

PROJECT
NATIONAL MUSEUM OF THE AMERICAN INDIAN

TITLE
AV COVER SHEET

SHEET NO.	REV
AV0.00	

PLOT DATE: 9/24/2015 / PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) / PLOT BY: ANDY ADAMS

AV DRAWING SHEET INDEX				
SHEET NUMBER	SHEET TITLE	ISSUE DATE	SCALE	REVISION DATE
AV0.00	AV COVER SHEET	2018-01-17	NONE	
AV0.01	AV SHEET INDEX	2018-01-17	NONE	
AV0.02	AV GENERAL NOTES AND ABBREVIATIONS	07/31/2017	NONE	
AV0.03	AV SYMBOL LEGEND	07/31/2017	NONE	
AV0.04	AV CABLE SCHEDULE	2018-01-17	NONE	
AV1.01	AV OVERALL FLOOR PLAN	2018-01-17	1/8"-1'-0"	
AV2.01	AV OVERALL REFLECTED CEILING PLAN	2018-01-17	1/8"-1'-0"	
AV4.01	AV CONNECTION DETAILS	2018-01-17	NONE	
AV5.02	RACK ELEVATIONS	2018-01-17	NONE	
AV5.03	RACK ELEVATIONS	2018-01-17	NONE	
AV5.04	RACK ELEVATIONS	2018-01-17	NONE	
AV7.01	AV SINGLE LINE BLOCK DIAGRAM	2018-01-17	NONE	
AV7.02	AV SINGLE LINE BLOCK DIAGRAM	2018-01-17	NONE	
AV7.03	AV SINGLE LINE BLOCK DIAGRAM	2018-01-17	NONE	
AV7.04	AV SINGLE LINE BLOCK DIAGRAM	2018-01-17	NONE	
AV7.05	AV SINGLE LINE BLOCK DIAGRAM	2018-01-17	NONE	
AV7.06	AV SINGLE LINE BLOCK DIAGRAM	2018-01-17	NONE	
AV7.07	AV SINGLE LINE BLOCK DIAGRAM	2018-01-17	NONE	
AV7.08	AV SINGLE LINE BLOCK DIAGRAM	2018-01-17	NONE	
AV7.09	AV SINGLE LINE BLOCK DIAGRAM	2018-01-17	NONE	
AV7.10	AV SINGLE LINE BLOCK DIAGRAM	2018-01-17	NONE	
AV8.01	AV PROJECTION STUDY: NEXUS	2018-01-17	NONE	
AV8.02	AV PROJECTION: NEXUS - PIXELMAP	2018-01-17	NONE	
AV8.03	AV PROJECTION STUDY: ENIGMA	2018-01-17	NONE	
AV9.01	MOUNT DETAIL AV-4 "QUOTES"	2018-01-17	AS NOTED	

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AMERICANS EXHIBITION

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NATIONAL MUSEUM OF THE AMERICAN INDIAN

TITLE

AV SHEET INDEX

SHEET NO.

AV0.01

REV

SHEET SIZE: ARCH D - 24" X 36"

DO NOT SCALE DRAWING

PLOT DATE: 9/24/2015 / PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) / PLOT BY: ANDY ADAMS

AV DEVICE ABBREVIATIONS		NOTE: THE DEVICE ABBREVIATIONS LISTED HEREIN ARE NOT ALL NECESSARILY USED IN THIS DESIGN PACKAGE	
ADA	AUDIO DISTRIBUTION AMPLIFIER	KBM	KEYBOARD AND/OR MOUSE
ALS	ASSISTED LISTENING SYSTEM DEVICE	KVM	KEYBOARD, VIDEO, AND MOUSE DEVICE
AMP	AUDIO AMPLIFIER		
ANT	ANTENNA	LED	LED TILE
APB	AUDIO PATCH BAY	LEN	PROJECTOR OR CAMERA LENS
ASP	AUDIO SIGNAL PROCESSOR		
ASW	AUDIO SWITCH (ROUTER / SELECTOR)	MBL	MOBILE COMPUTING DEVICE
AVR	AUDIO VISUAL EQUIPMENT RACK	MIC	MICROPHONE
		MID	MIDI DEVICE
		MLE	MISCELLANEOUS LOOSE EQUIPMENT
BLN	BALUN	MNT	MOUNT
BOX	BOX / ENCLOSURE (NON-RACK)	MON	VIDEO MONITOR
		MSD	MEDIA STREAMING DEVICE
CAM	CAMERA		
CMS	CONTENT MANAGEMENT SYSTEM DEVICE	NAS	NETWORK ATTACHED STORAGE
CNV	SIGNAL CONVERTER	NET	NETWORK DEVICE
COM	INTERCOM DEVICE		
CON	CONSOLE	OPM	OUTPUT MODULE
CPD	COLLABORATION PRESENTATION DEVICE		
CTL	CONTROL DEVICE	PNL	PANEL
		PRJ	PROJECTOR
DAP	DIGITAL AUDIO PLAYER	PWR	POWER DEVICE
DEC	DECODER		
DMX	DMX DEVICE	RCV	RECEIVER
DVP	DIGITAL VIDEO PLAYER		
		SCR	PROJECTION SCREEN
ENC	ENCODER	SDA	SIGNAL DISTRIBUTION AMPLIFIER
ESN	ESCAN DEVICE	SEN	SENSOR
ETR	EXTENDER - TRANSCEIVER	SPK	SPEAKER
EXR	EXTENDER - RECEIVER	TRA	TRANSMITTER
EXT	EXTENDER - TRANSMITTER	TRC	TRANSCEIVER
		TSC	TOUCHSCREEN
FAN	COMPONENT COOLING FAN	TUN	TUNER
FPB	FIBER PATCH BAY		
FRM	FRAME	UPS	UNINTERRUPTIBLE POWER SUPPLY
GEN	SIGNAL GENERATOR		
GPC	GENERAL PURPOSE COMPUTER	VDA	VIDEO DISTRIBUTION AMPLIFIER
		VPB	VIDEO PATCH BAY
ICP	INTERCONNECT PANEL	VSP	VIDEO SIGNAL PROCESSOR
IEM	IN-EAR MONITOR	VSW	VIDEO SWITCH
ION	INPUT OUTPUT MODULE	VTC	VIDEO TELECONFERENCE DEVICE
IPM	INPUT MODULE		
		WAP	WIRELESS ACCESS POINT
AV DEVICE ABBREVIATION KEY			
[XXX][NN]-[DD]			
↑			
↑			
↑			
DESIGNATES EQUIPMENT TYPE UNIQUE NUMBER			
DESIGNATES EQUIPMENT TYPE MANUFACTURER AND MODEL			
AV DEVICE ABBREVIATION: DESIGNATES EQUIPMENT TYPE BY CATEGORY			

AV GENERAL ABBREVIATIONS						NOTE: THE GENERAL ABBREVIATIONS LISTED HEREIN ARE NOT ALL NECESSARILY USED IN THIS DESIGN PACKAGE					
A	AMP(S)	FF	FINISHED FLOOR	PR	PAIR						
AC	ALTERNATING CURRENT	FG	FINISHED GRADE								
ADA	AMERICANS WITH DISABILITY ACT	FL	FLOOR	R	RADIUS						
AFF	ABOVE FINISHED FLOOR	FOH	FRONT OF HOUSE	RCP	REFLECTED CEILING PLAN						
AFG	ABOVE FINISHED GRADE	FT	FOOT or FEET	REV	REVISION						
AHJ	AUTHORITY HAVING JURISDICTION			REQ	REQUIRED						
ARCH	ARCHITECT or ARCHITECTURAL	GC	GENERAL CONTRACTOR	RF	RADIO FREQUENCY						
AV	AUDIO VISUAL SHOW SYSTEMS	GFI	GROUND FAULT CIRCUIT INTERRUPTER	RM	ROOM						
AWG	AMERICAN WIRE GAUGE	GND	GROUND	RU	RACK UNIT(S) (1.75"/45mm)						
&	AND										
~	APPROXIMATELY (PLUS OR MINUS)	HOR	HORIZONTAL	S	SOUTH						
@	AT	HT	HEIGHT	SCHD	SCHEDULE						
		HVAC	HEATING, VENTILATION & AIR CONDITIONING	SE	STRUCTURAL ENGINEER						
BGM	BACKGROUND MUSIC			SEC	SECTION						
BLDG	BUILDING	IN	INPUT	SHBD	SHEET BORDER OR TITLE BLOCK						
BOH	BACK OF HOUSE	IN	INCH or INCHES	SHT	SHEET						
				SL	STAGE LEFT						
CL	CENTER LINE	J-BOX	ELECTRICAL JUNCTION BOX	SPEC	SPECIFICATION						
CS	CENTER STAGE	KVA	KILOVOLT AMPS	SR	STAGE RIGHT						
		Kg	KILOGRAMS	S/S	STAINLESS STEEL						
DET	DETAIL	KW	KILOWATTS	STD	STANDARD						
Ø	DIAMETER OR PHASE			SUSP	SUSPENDED						
DEL	DELETED										
DIA	DIAMETER	LB(S)	POUND(S)	TBD	TO BE DETERMINED						
DIM	DIMENSION	LED	LIGHT EMITTING DIODE	TEMP	TEMPERATURE						
DMX	DIGITAL MULTIPLEX SIGNAL	LT(G)	LIGHTING	TEL	TELEPHONE						
DS	DOWN STAGE			TYP.	TYPICAL						
DSC	DOWN STAGE CENTER	MAX	MAXIMUM								
DSL	DOWN STAGE LEFT	M	METER	U.O.N.	UNLESS OTHERWISE NOTED						
DSR	DOWN STAGE RIGHT	mm	MILLIMETER	UPSTAGE	UPSTAGE						
DWG	DRAWING	MFG	MANUFACTURER	USC	UPSTAGE CENTER						
		MIN	MINIMUM	USL	UPSTAGE LEFT						
		MISC	MISCELLANEOUS	USR	UPSTAGE RIGHT						
E	EAST										
EA	EACH	N	NORTH	V	VOLT(S)						
EC	ELECTRICAL CONTRACTOR	N/A	NOT APPLICABLE	VAC	VOLTS ALTERNATING CURRENT						
EE	ELECTRICAL ENGINEER	NIC	NOT IN CONTRACT	VERT	VERTICAL						
ELEC	ELECTRIC	NO	NUMBER	VIF	VERIFY IN FIELD						
ENCL	ENCLOSURE	<	NOT TO EXCEED or LESS THAN								
EQ	EQUAL	NTS	NOT TO SCALE	W	WATT(S) or WEST						
EQUIV	EQUIVALENT			W/	WITH						
EST	ESTIMATED	OC	ON CENTER	W/O	WITHOUT						
EXST	EXISTING	OD	OUTSIDE DIAMETER	WT	WEIGHT						
		OFE	OWNER FURNISHED EQUIPMENT								
		OS	OFF STAGE								
		OUT	OUTPUT								

PLOT DATE: 9/24/2015 / PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) / PLOT BY: ANDY ADAMS

AV SYMBOL LEGEND

NOTE: NOT ALL SYMBOLS DEPICTED ARE NECESSARILY USED IN THIS DESIGN PACKAGE.

PLAN SYMBOLS

AUDIO DEVICES

- ⑤ SPK[NN]-[DD] ——— INDICATES CEILING MOUNTED SPEAKER, TYPE AND NUMBER
NOTE ——— INDICATES DEVICE SPECIFIC NOTE, IF NEEDED
DETAIL ——— INDICATES DEVICE SPECIFIC DETAILS, IF NEEDED
- ⑤ SPK[NN]-[DD] ——— INDICATES SURFACE MOUNTED SPEAKER, TYPE AND NUMBER
NOTE ——— INDICATES DEVICE SPECIFIC NOTE, IF NEEDED
DETAIL ——— INDICATES DEVICE SPECIFIC DETAILS, IF NEEDED
- ⑤ SPK[NN]-[DD] ——— INDICATES FLOOR OR IN-GROUND MOUNTED SPEAKER, TYPE AND NUMBER
NOTE ——— INDICATES DEVICE SPECIFIC NOTE, IF NEEDED
DETAIL ——— INDICATES DEVICE SPECIFIC DETAILS, IF NEEDED

ELECTRICAL DEVICES

- Ⓢ XXXVAC ——— INDICATES CEILING MOUNTED DUPLEX RECEPTACLE
NOTE ——— INDICATES DEVICE SPECIFIC NOTE, IF NEEDED
DETAIL ——— INDICATES DEVICE SPECIFIC DETAILS, IF NEEDED
- Ⓢ XXXVAC ——— INDICATES SURFACE MOUNTED DUPLEX RECEPTACLE
NOTE ——— INDICATES DEVICE SPECIFIC NOTE, IF NEEDED
DETAIL ——— INDICATES DEVICE SPECIFIC DETAILS, IF NEEDED
- Ⓢ XXXVAC ——— INDICATES FLOOR OR IN-GROUND MOUNTED DUPLEX RECEPTACLE
NOTE ——— INDICATES DEVICE SPECIFIC NOTE, IF NEEDED
DETAIL ——— INDICATES DEVICE SPECIFIC DETAILS, IF NEEDED
- Ⓢ XXXVAC ——— INDICATES CEILING MOUNTED QUAD RECEPTACLE
NOTE ——— INDICATES DEVICE SPECIFIC NOTE, IF NEEDED
DETAIL ——— INDICATES DEVICE SPECIFIC DETAILS, IF NEEDED
- Ⓢ XXXVAC ——— INDICATES SURFACE MOUNTED QUAD RECEPTACLE
NOTE ——— INDICATES DEVICE SPECIFIC NOTE, IF NEEDED
DETAIL ——— INDICATES DEVICE SPECIFIC DETAILS, IF NEEDED
- Ⓢ XXXVAC ——— INDICATES FLOOR OR IN-GROUND MOUNTED QUAD RECEPTACLE
NOTE ——— INDICATES DEVICE SPECIFIC NOTE, IF NEEDED
DETAIL ——— INDICATES DEVICE SPECIFIC DETAILS, IF NEEDED

NOTE: ALL DUPLEX AND QUAD RECEPTACLES ARE 120VAC 60Hz, UNLESS OTHERWISE NOTED.

- Ⓢ XXXVAC ——— INDICATES CEILING MOUNTED SPECIAL ELECTRICAL SERVICE
NOTE ——— INDICATES DEVICE SPECIFIC NOTE, IF NEEDED
DETAIL ——— INDICATES DEVICE SPECIFIC DETAILS, IF NEEDED
- Ⓢ XXXVAC ——— INDICATES SURFACE MOUNTED SPECIAL ELECTRICAL SERVICE
NOTE ——— INDICATES DEVICE SPECIFIC NOTE, IF NEEDED
DETAIL ——— INDICATES DEVICE SPECIFIC DETAILS, IF NEEDED
- Ⓢ XXXVAC ——— INDICATES FLOOR OR IN-GROUND MOUNTED SPECIAL ELECTRICAL SERVICE
NOTE ——— INDICATES DEVICE SPECIFIC NOTE, IF NEEDED
DETAIL ——— INDICATES DEVICE SPECIFIC DETAILS, IF NEEDED
- Ⓢ JBX[NN]-[DD] ——— INDICATES CEILING MOUNTED JUNCTION BOX, TYPE AND NUMBER
NOTE ——— INDICATES DEVICE SPECIFIC NOTE, IF NEEDED
DETAIL ——— INDICATES DEVICE SPECIFIC DETAILS, IF NEEDED
- Ⓢ JBX[NN]-[DD] ——— INDICATES SURFACE MOUNTED JUNCTION BOX, TYPE AND NUMBER
NOTE ——— INDICATES DEVICE SPECIFIC NOTE, IF NEEDED
DETAIL ——— INDICATES DEVICE SPECIFIC DETAILS, IF NEEDED
- Ⓢ JBX[NN]-[DD] ——— INDICATES FLOOR OR IN-GROUND MOUNTED JUNCTION BOX, TYPE AND NUMBER
NOTE ——— INDICATES DEVICE SPECIFIC NOTE, IF NEEDED
DETAIL ——— INDICATES DEVICE SPECIFIC DETAILS, IF NEEDED

CABLE AND HOMERUNS

- Ⓢ ——— FILL QUANTITY AND CABLE TYPE
- XXXX ——— TERMINATION LOCATION

SHEET NOTATIONS

- XX ——— INDICATES SHEET NOTE NUMBER
- X ——— INDICATES DETAIL DRAWING NUMBER
XXX ——— INDICATES DETAIL DRAWING SHEET NUMBER
- X ——— INDICATES ELEVATION DRAWING NUMBER
XXX ——— INDICATES ELEVATION DRAWING SHEET NUMBER
- XX-XXX ——— INDICATES MATCHLINE OFF SHEET DRAWING SHEET NUMBER
XX-XXX ——— INDICATES MATCHLINE ACTIVE DRAWING SHEET NUMBER
- X ——— INDICATES DETAIL DRAWING NUMBER
XXX ——— INDICATES DETAIL DRAWING SHEET NUMBER
- DETAIL AREA BOUNDARY

SINGLE LINE BLOCK DIAGRAM SYMBOLS

GENERIC DEVICES

- [XXX][NN]-[DD] ——— INDICATES DEVICE TYPE ABBREVIATION
XXXX ——— INDICATES MANUFACTURER AND MODEL NUMBER
XXXX ——— INDICATES BRIEF DESCRIPTION
- 00 XX W# ——— INDICATES OUTPUT WIRE NUMBER
ZZ ——— INDICATES OUTPUT SIGNAL TYPE
ZZ ——— INDICATES OUTPUT CONNECTOR OR TERMINATION TYPE
- 00 XX XX1 W# ——— INDICATES OUTPUT WIRE NUMBER
ZZ ——— INDICATES OUTPUT SIGNAL TYPE
ZZ ——— INDICATES OUTPUT CONNECTOR AND/OR TERMINATION TYPE ADAPTER

NOTE: THE ABOVE INFORMATION DEPICTED FOR OUTPUTS IS ALSO TYPICAL FOR INPUTS

- XXXX ——— INDICATES EQUIPMENT ENCLOSURE
- INDICATES PARTIAL DEVICE OR CONTINUATION
- INDICATES PARTIAL DEVICE OR CONTINUATION
- INDICATES AUDIO AMPLIFIER CHANNEL (INPUT AND OUTPUT CONNECTIONS NOT SHOWN)
- XX XX ——— INDICATES FULL NORMALLED PATCHBAY
XX XX ——— INDICATES HALF NORMALLED PATCHBAY
XX XX ——— INDICATES NON NORMALLED PATCHBAY

GENERIC WIRING AND WIRING DEVICES

- INDICATES WIRE BUSS OR WIRE BUNDLE
- INDICATES WIRE CONNECTION
- INDICATES NO WIRE CONNECTION
- INDICATES TEMPORARY CONNECTION
- XXXX ——— INDICATES TO OR FROM SYSTEMS PROVIDED BY OTHERS

SINGLE LINE BLOCK DIAGRAM SYMBOLS

SHEET NOTATIONS

- (TO SHEET NUMBER) (DESTINATION ID) ——— INDICATES OFF SHEET FLAG: SOURCE
- (FROM SHEET NUMBER) (SOURCE ID) ——— INDICATES OFF SHEET FLAG: DESTINATION
- X ——— SAME SHEET FLAG
- DETAIL ——— INDICATES LOCATION SPECIFIC DETAILS
LOCATION ——— INDICATES DEVICE LOCATION AT TOP OF SHEET
- LOCATION ——— INDICATES DEVICE LOCATION AT TOP OF SHEET
DETAIL ——— INDICATES LOCATION SPECIFIC DETAILS
DETAIL ——— INDICATES ADDITIONAL LOCATION SPECIFIC DETAILS

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TITLE
AV SYMBOL LEGEND

SHEET NO.
AV0.03
REV

SHEET SIZE: ARCH D - 24" X 36"
DO NOT SCALE DRAWING

PLOT DATE: 9/24/2015 / PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) / PLOT BY: ANDY ADAMS

AV CABLE SCHEDULE							
CABLE TYPE	USAGE	MANUFACTURER	PART NUMBER	DESCRIPTION	RATING	COLOR	SUBSTITUTIONS ¹
BULK CABLE							
A	AUDIO, CONTROL, LV POWER	BELDEN	9451P	AWG22/2, 1-TP, SHIELDED, PLENUM	CMP	BK	Y
N	NETWORK	LIBERTY	24P-4P-P-L6SH-BLK	CAT 6 F/UTP	CMP	BK	Y
S	SPEAKER	BELDEN	82740	AWG 18, 1-TP, PLENUM	CMP	NC	Y
Z	FIBER OPTIC EXTENSION	CORNING	002T88-31180-29	FIBER OPTIC CABLE, TIGHT-BUFFERED, 50UM, OM3, 2-STRAND, PLENUM	OFNP, FT6	AQ	Y
PRETERMINATED CABLE							
B6	USB	C2G	28102	USB A - USB B, 6FT	CM	BK	Y
HH6	DIGITAL VIDEO	C2G	50627	HDMI - HDMI, 6FT	CL2	BK	Y
N5	NETWORK	C2G	00812	CAT 6 F/FTP, 5FT	CM	BK	Y
N10	NETWORK	C2G	00817	CAT 6 F/FTP, 10FT	CM	BK	Y
N15	NETWORK	C2G	00820	CAT 6 F/FTP, 15FT	CM	BK	Y
PH6	DIGITAL VIDEO	KRAMER	C-MDP/HM-6	MINI-DISPLAYPORT - HDMI, 6FT	CM	WT	Y
Q6	QSC DATAPORT	QSC	DPC-6	DATAPORT, 6FT	CM	BK	N
Z15	FIBER OPTIC PATCH	LIBERTY	DMM10LCLC-005M	FIBER OPTIC PATCH CABLE, DUPLEX MULTIMODE OM3, LC-LC, 5M	OFNP, FT6	AQ	Y

NOTE 1. IF CABLE TYPE INDICATES SUBSTITUTIONS ALLOWED, ANY SUBSTITUTION MUST BE OF EQUIVALENT CABLE TYPE AND EQUAL OR SUPERIOR SPECIFICATIONS.
ALL SUBSTITUTIONS MUST BE APPROVED BY ELECTROSONIC ENGINEERING PRIOR TO INSTALLATION.

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TITLE

AV CABLE SCHEDULE

SHEET NO.

AV0.04

REV

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1 AV OVERALL FLOOR PLAN
SCALE: 1/8" = 1'-0"



SHEET SPECIFIC NOTES

GENERAL SHEET NOTES

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AV OVERALL FLOOR PLAN

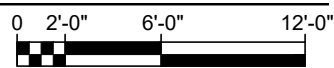
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1 AV OVERALL REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



SHEET SPECIFIC NOTES

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GENERAL SHEET NOTES

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OF THE AMERICAN
INDIAN**

TITLE
**AV OVERALL
REFLECTED
CEILING PLAN**

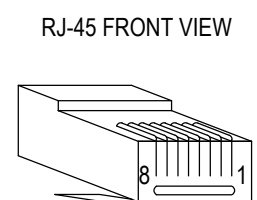
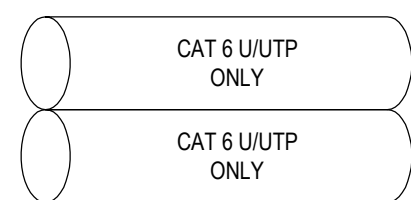
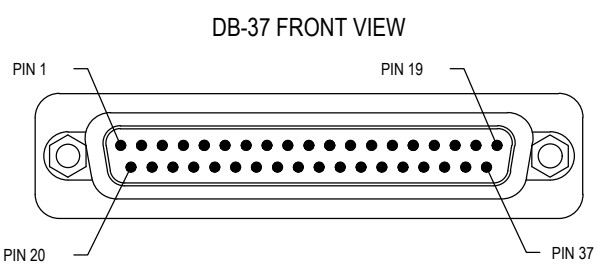
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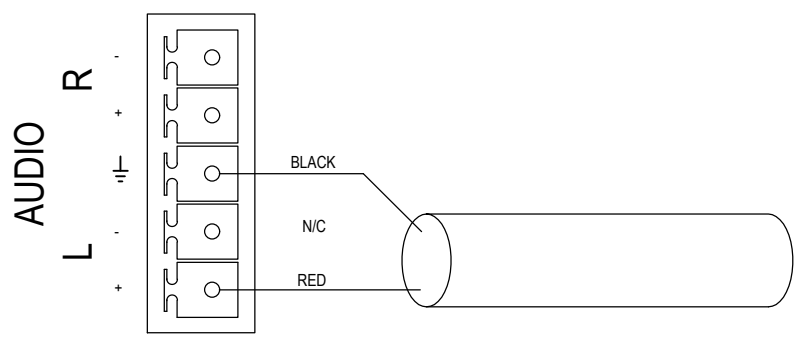
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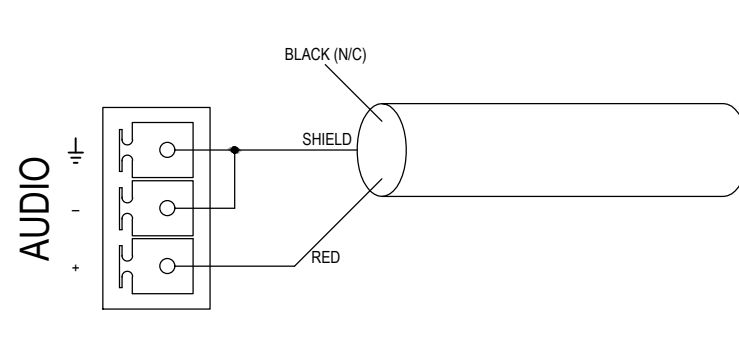
DB37 MALE			
PIN	SIGNAL	CABLE	WIRE
1	1+	1	ORWT
2	2+		GRWWT
3	3+		BL
4	4+		BN/WT
5	5+	2	ORWT
6	6+		GRWWT
7	7+		BL
8	8+		BN/WT
20	1-	1	OR
21	2-		GN
22	3-		BL/WT
23	4-		BN
24	5-	2	OR
25	6-		GN
26	7-		BL/WT
27	8-		BN

RJ45 MALE			
CABLE	PIN	SIGNAL	WIRE
1	1	1+	ORWT
	2	1-	OR
	3	2+	GNWT
	4	3+	BL
	5	3-	BL/WT
	6	2-	GN
	7	4+	BNWT
	8	4-	BN
2	1	5+	ORWT
	2	5-	OR
	3	6+	GNWT
	4	7+	BL
	5	7-	BL/WT
	6	6-	GN
	7	8+	BNWT
	8	8-	BN

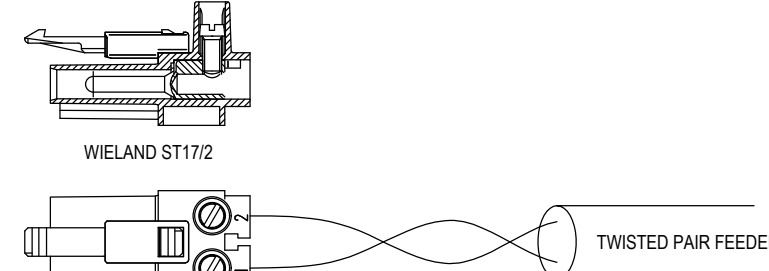
AES AES INTERFACE CABLE



DTL01 EXTRON PHOENIX AUDIO -- MONO, UNBALANCED

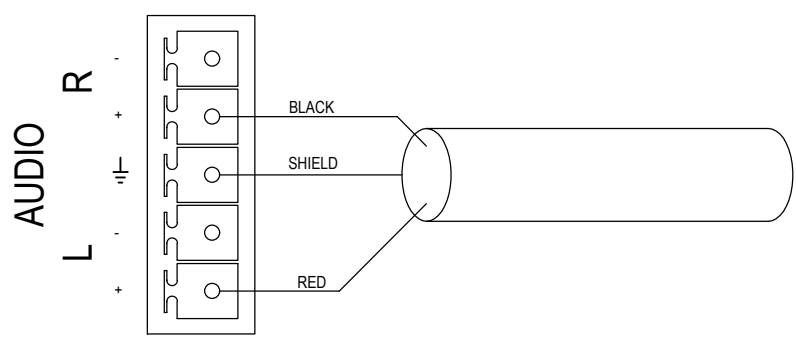


DTL03 QSC PHOENIX AUDIO -- MONO, UNBALANCED

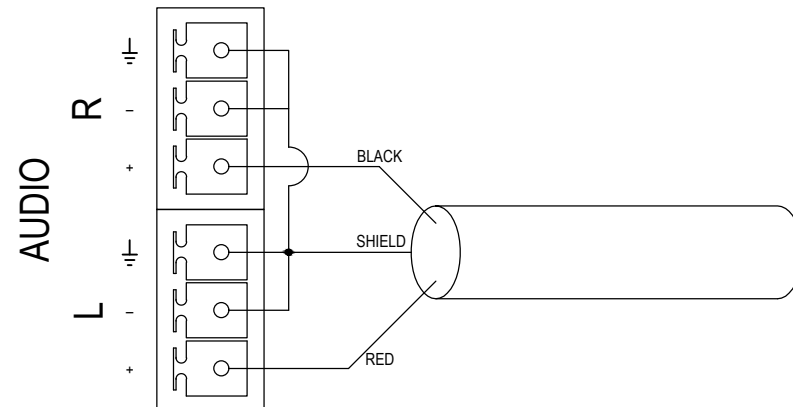


NOTE: CONNECTOR PROVIDED WITH DEVICES ALS01-XX.

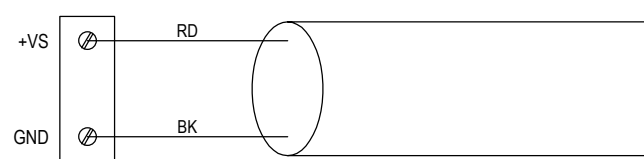
DTL05 INDUCTION LOOP



DTL02 EXTRON PHOENIX AUDIO -- STEREO, UNBALANCED

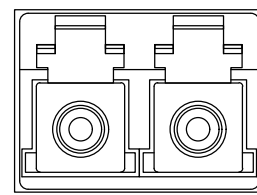


DTL04 QSC PHOENIX AUDIO -- STEREO, UNBALANCED



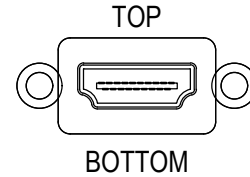
DTL06 ADAM-60XX +24VDC DEVICE POWER

B

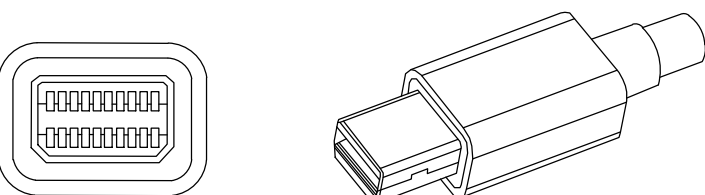


2LC DUPLEX LC FIBER OPTIC

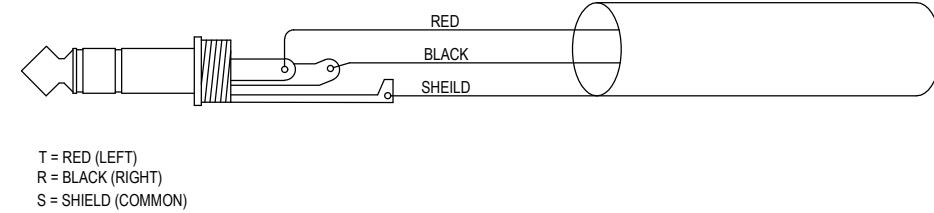
ALL HDMI TO BE SECURED
WITH EXTRON LOCK-IT
OR SIMILAR DEVICE.



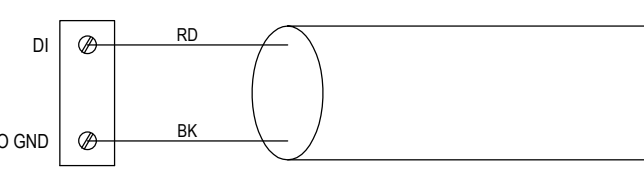
HDM01 HDMI MALE



MDP01 MINI-DISPLAYPORT (MALE)

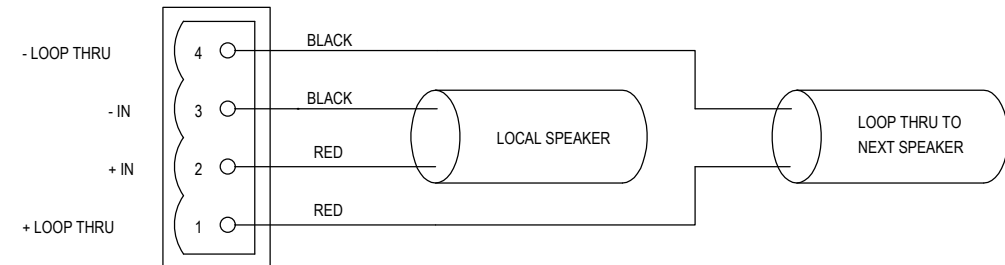


MRSM1 MINI TRS UNBALANCED STEREO (MALE)



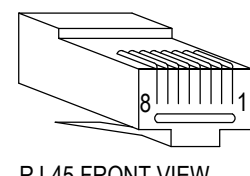
DTL07 ADAM-60XX DRY CONTACT INPUT

C

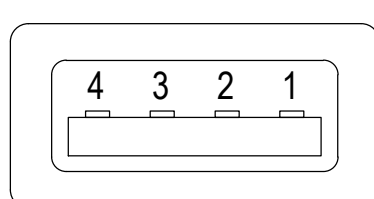


PXM07 PHOENIX BLOCK CEILING SPEAKER

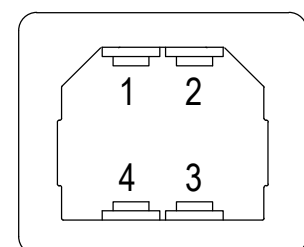
PIN	COLOR
1	WHITEORANGE
2	ORANGE
3	WHITEGREEN
4	BLUE
5	WHITEBLUE
6	GREEN
7	WHITEBROWN
8	BROWN



RJM45 UTP 586B RJ45 CAT 5 (MALE)



USBMA USB-A MALE



USBMB USB-B MALE

D

ISSUE

DESCRIPTION
AS BUILT
DATE
FEBRUARY 13, 2018
APPROVED

REVISIONS

REV	DATE	DESCRIPTION

PROJECT NO.
ENC100655
ENGINEER
PFA
DRAWN
ESJ
AREA/ATTRACTION

SCALE
NONE

**AMERICANS
EXHIBITION**

PROJECT
**NATIONAL MUSEUM
OF THE AMERICAN
INDIAN**

TITLE
**AV CONNECTION
DETAILS**

SHEET NO.
AV4.01
REV

PLOT DATE: 9/24/2015 / PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) / PLOT BY: ANDY ADAMS

1 AVR-01 -- NCC (BASEMENT LEVEL)
SCALE: 1-1/2" = 1'-0"



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1	2017-07-17	AS SHOWN

PROJECT NO.
ENC100655
ENGINEER
PFA
DRAWN
ESI

SCALE
1-1/2" = 1'-0"

AREA/ATTRACTION

AMERICANS
EXHIBITION

PROJECT
NATIONAL MUSEUM
OF THE AMERICAN
INDIAN

TITLE
AV RACK ELEVATIONS

SHEET NO.
AV5.02
REV

SHEET SIZE: ARCH D - 24" X 36"
DO NOT SCALE DRAWING

PLOT DATE: 9/24/2015 / PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) / PLOT BY: ANDY ADAMS

1 AVR-02 -- NCC (BASEMENT LEVEL)
SCALE: 1-1/2" = 1'-0"



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REV	DATE	DESCRIPTION
1	2017-07-17	AS SHOWN

PROJECT NO.	SCALE
ENC100655	1-1/2" = 1'-0"

ENGINEER	
PFA	
DRAWN	CREA
ESI	
AREA/ATTRACTION	

AMERICANS
EXHIBITION

PROJECT
NATIONAL MUSEUM OF THE AMERICAN INDIAN

TITLE
AV RACK ELEVATIONS

SHEET NO.	REV
AV5.03	

SHEET SIZE: ARCH D - 24" X 36"
DO NOT SCALE DRAWING

PLOT DATE: 9/24/2015 / PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) / PLOT BY: ANDY ADAMS

1 AVR-03 -- IDF (MEZZANINE LEVEL)
SCALE: 1-1/2" = 1'-0"



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REV	DATE	DESCRIPTION
1	2017-07-17	AS SHOWN

PROJECT NO.	SCALE
ENC100655	1-1/2" = 1'-0"

ENGINEER	
PFA	
DRAWN	CREATED
ESI	

AREA/ATTRACTION
AMERICANS EXHIBITION

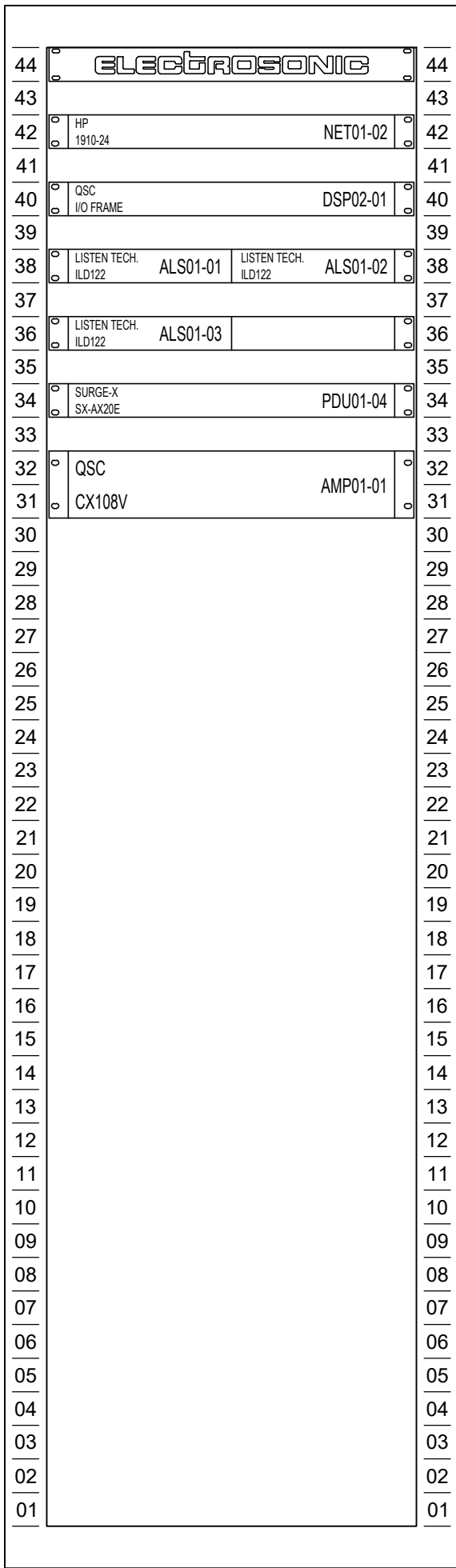
PROJECT
NATIONAL MUSEUM OF THE AMERICAN INDIAN

TITLE
AV RACK ELEVATIONS

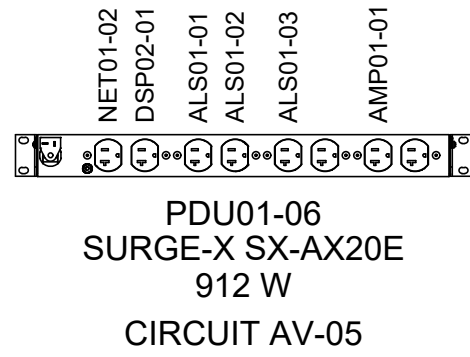
SHEET NO.	REV
AV5.04	

SHEET SIZE: ARCH D - 24" X 36"
DO NOT SCALE DRAWING

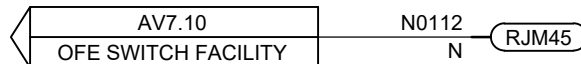
MOUNT: MID.ATL. UTR1
MOUNT: MID.ATL. UTR1



AVR-03
OFE
EQUIPMENT RACK
FRONT ELEVATION



FACILITY POWER LOAD:
CIRCUIT AV-05: 912 W



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ENC100655

ENGINEER

PFA

DRAWN

CREATED

AREA/ATTRACTION

AMERICANS
EXHIBITION

PROJECT

NATIONAL MUSEUM
OF THE AMERICAN
INDIAN

TITLE

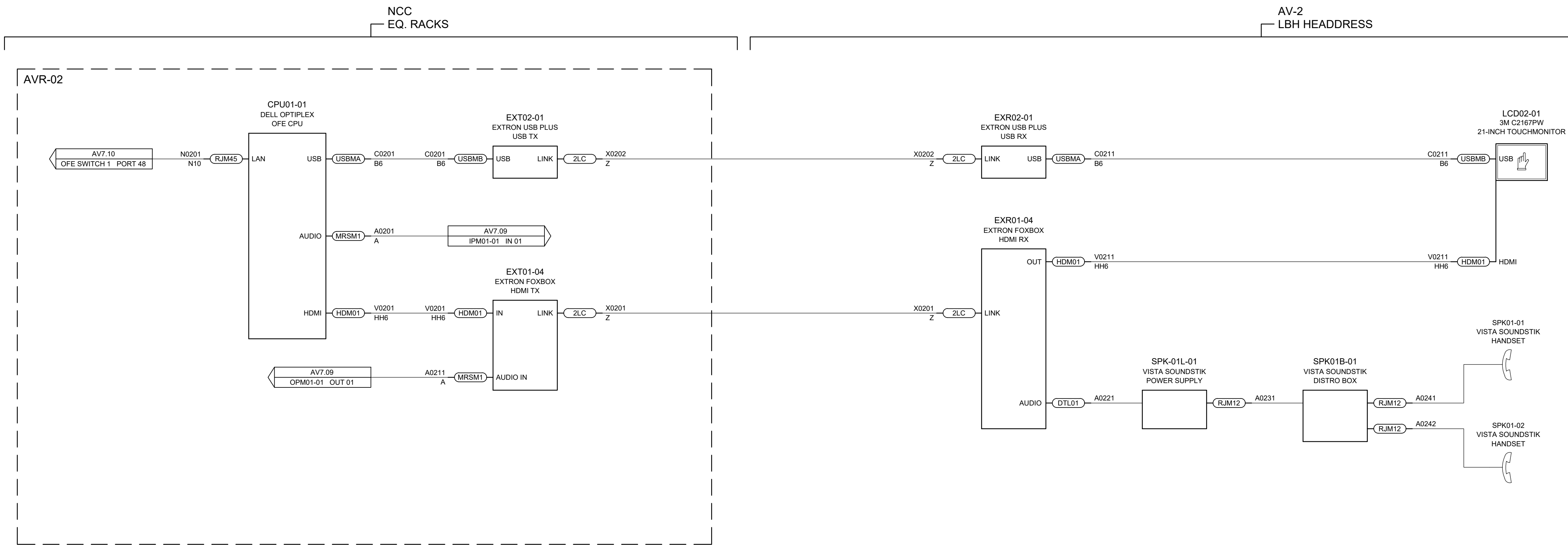
AV SINGLE LINE BLOCK DIAGRAM

SHEET NO.

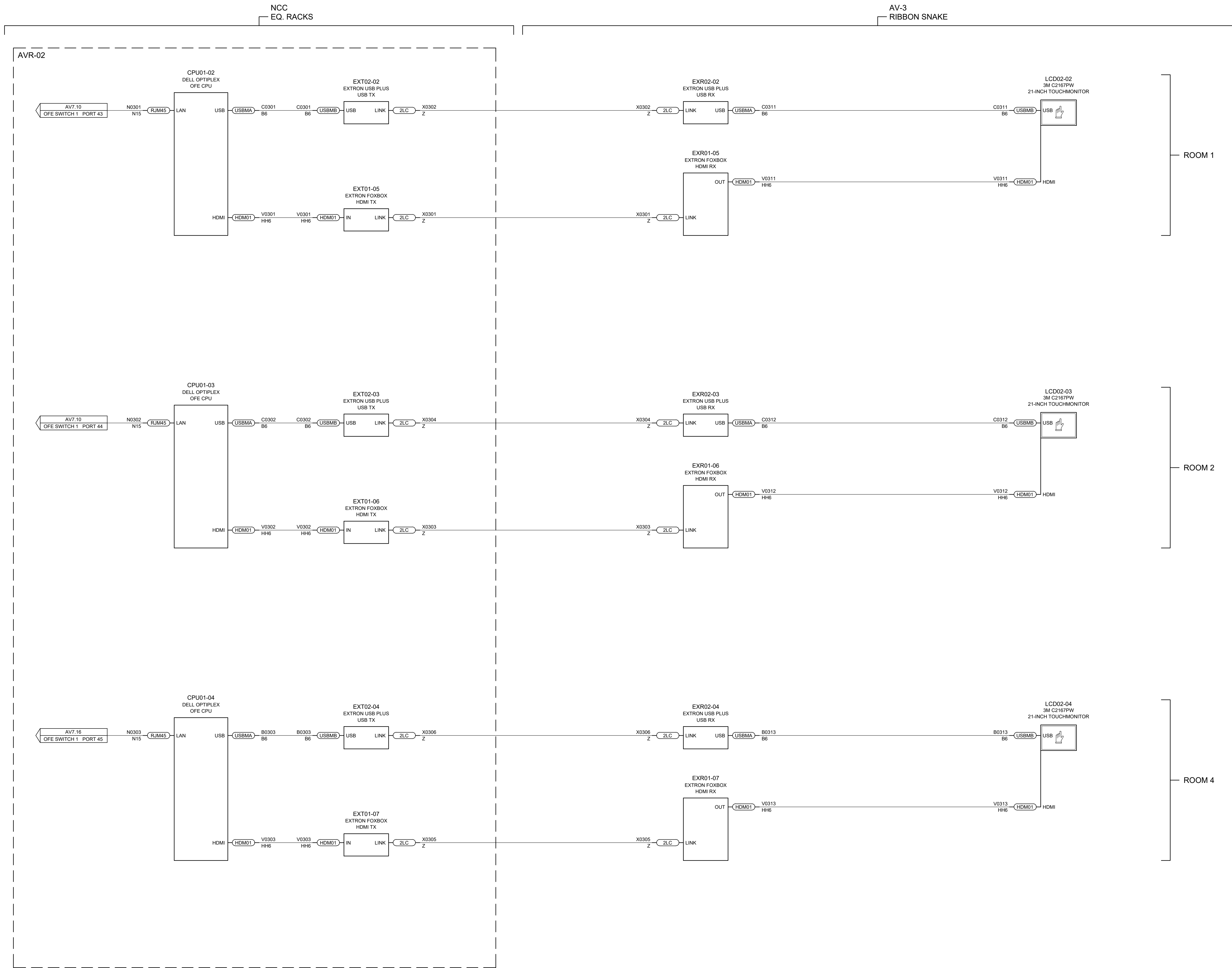
AV7.02

REV

SHEET SIZE: ARCH D - 24" X 36"
DO NOT SCALE DRAWING



PLOT DATE: 9/24/2015 / PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) / PLOT BY: ANDY ADAMS



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DATE
FEBRUARY 13, 2018
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REV	DATE	DESCRIPTION
1	2017-07-17	AS SHOWN

PROJECT NO.	SCALE
ENC100655	NONE
ENGINEER	
PFA	
DRAWN	CREATED
ESI	

AREA/ATTRACTION

**AMERICANS
EXHIBITION**

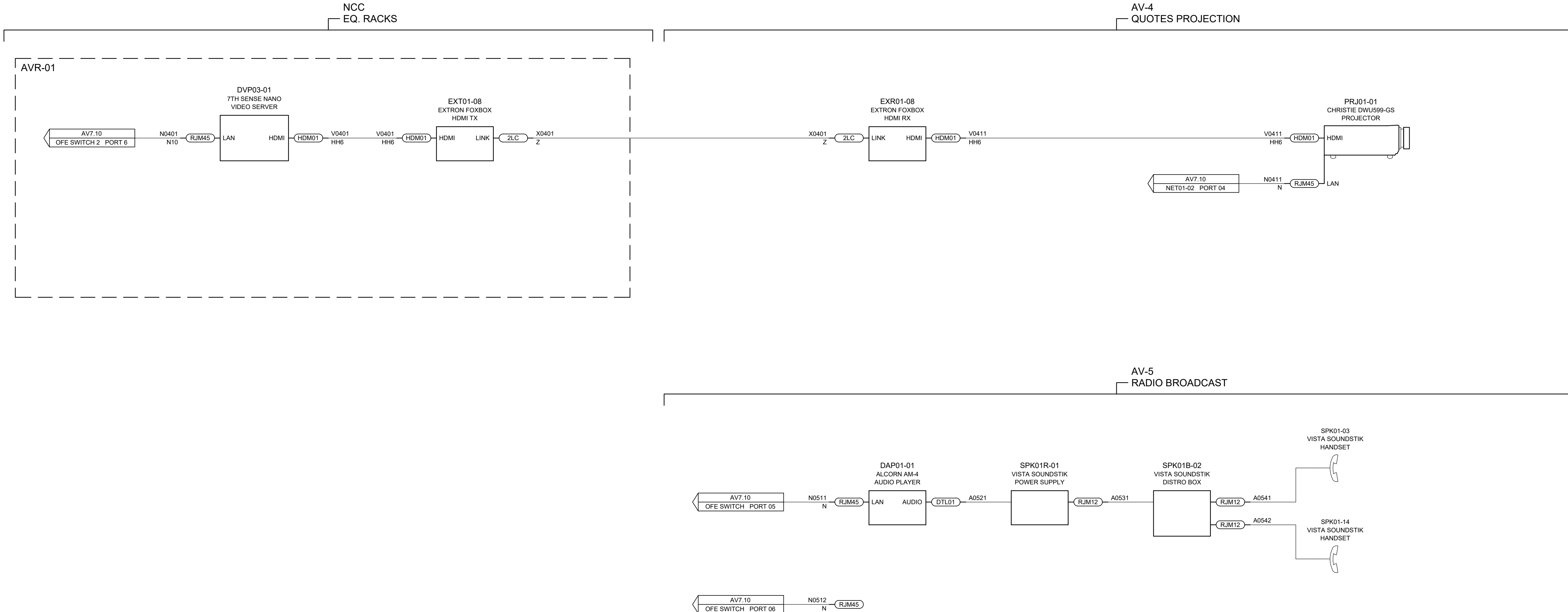
PROJECT
**NATIONAL MUSEUM
OF THE AMERICAN
INDIAN**

TITLE
**AV SINGLE LINE
BLOCK DIAGRAM**

SHEET NO.
AV7.03

SHEET SIZE: ARCH D - 24" X 36"
DO NOT SCALE DRAWING

PLOT DATE: 9/24/2015 / PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) / PLOT BY: ANDY ADAMS



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REV	DATE	DESCRIPTION
1	2017-07-17	AS SHOWN

PROJECT NO.	SCALE
ENC100655	NONE
ENGINEER	
PFA	
DRAWN	CREATED
ESI	

AREA/ATTRACTION

AMERICANS
EXHIBITION

PROJECT

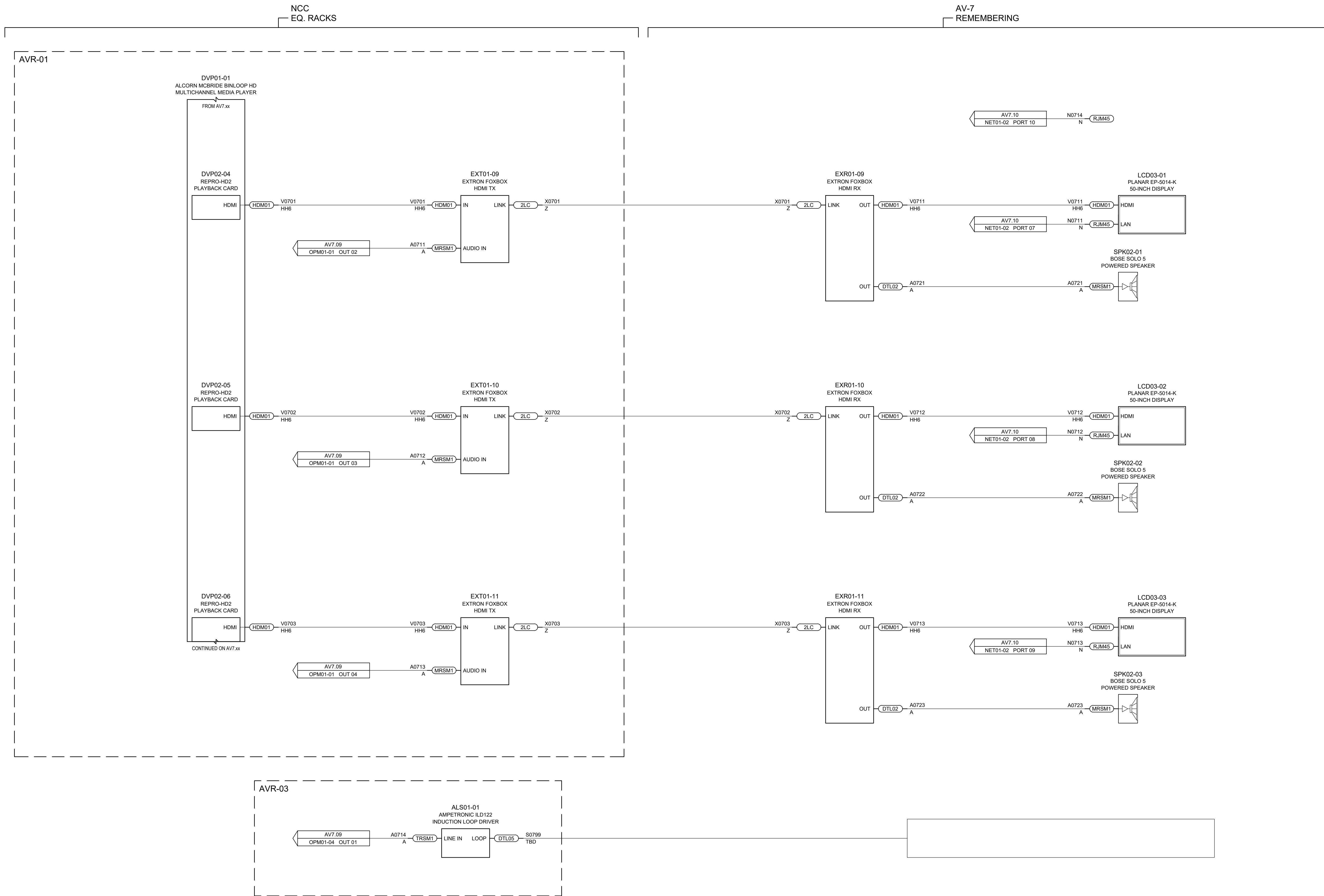
NATIONAL MUSEUM
OF THE AMERICAN
INDIAN

TITLE

AV SINGLE LINE
BLOCK DIAGRAM

SHEET NO.	REV
AV7.04	

PLOT DATE: 9/24/2015 / PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) / PLOT BY: ANDY ADAMS



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PROJECT NO.
ENC100655

ENGINEER
PFA

DRAWN
ESI

SCALE
NONE

CREATED

AREA/ATTRACTION

**AMERICANS
EXHIBITION**

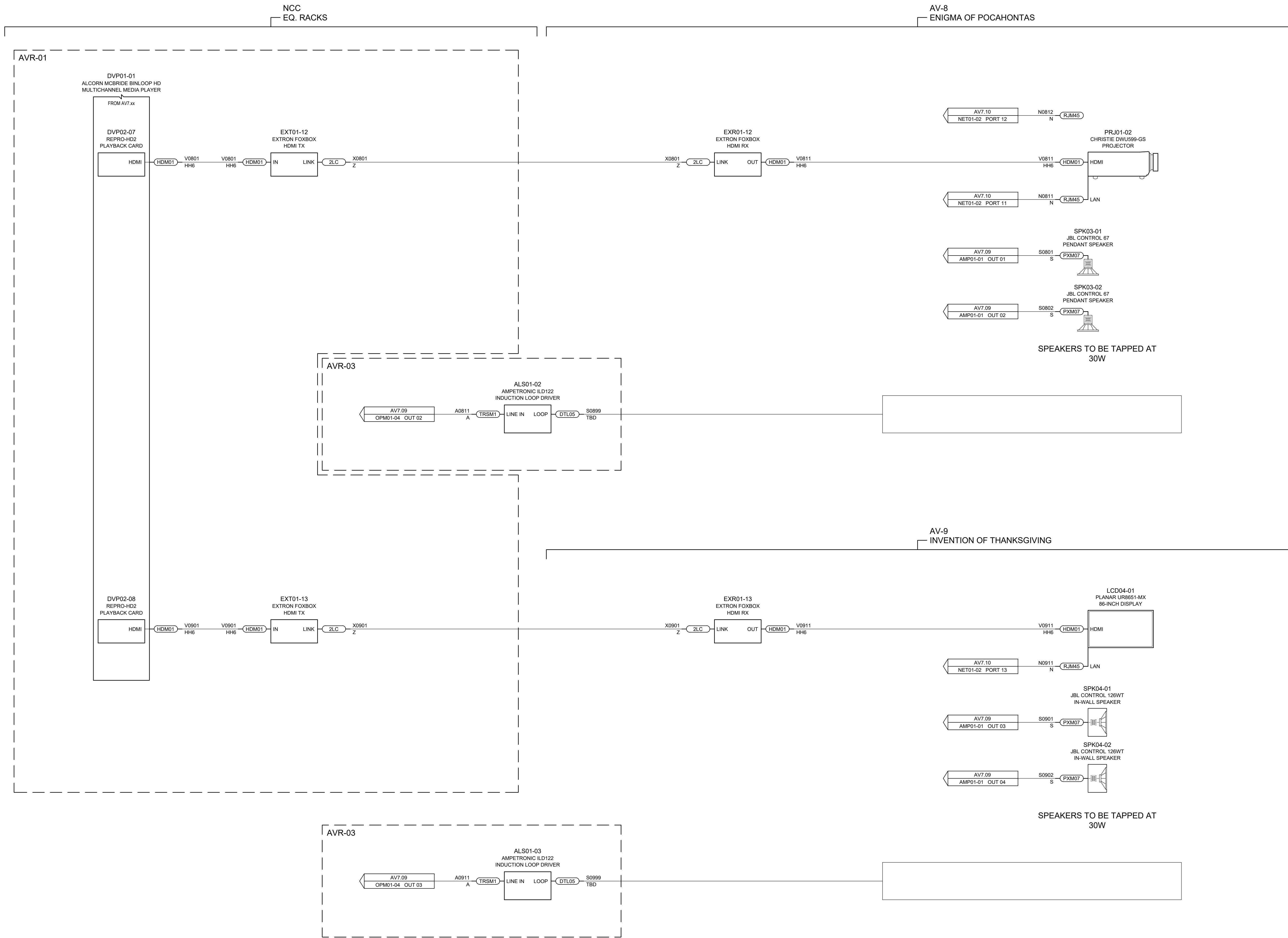
PROJECT
**NATIONAL MUSEUM
OF THE AMERICAN
INDIAN**

TITLE
**AV SINGLE LINE
BLOCK DIAGRAM**

SHEET NO.
AV7.05

REV

PLOT DATE: 9/24/2015 / PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) / PLOT BY: ANDY ADAMS



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REV	DATE	DESCRIPTION
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1	2017-07-17	AS SHOWN
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PROJECT NO.	SCALE
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ENC100655	NONE
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ENGINEER

PFA

DRAWN

ESI

AREA/ATTRACTION

AMERICANS

EXHIBITION

PROJECT

NATIONAL MUSEUM

OF THE AMERICAN

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TITLE

AV SINGLE LINE

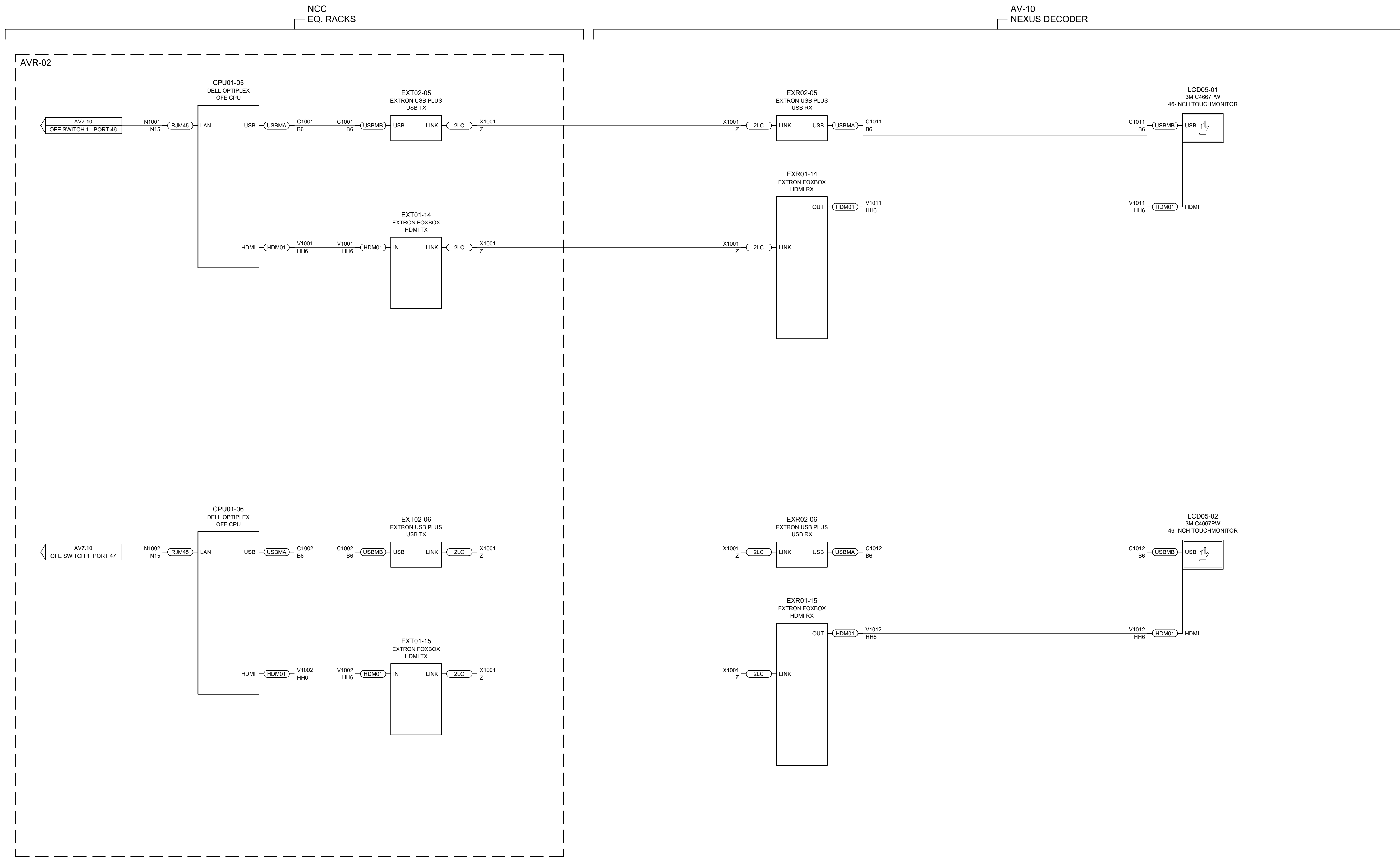
BLOCK DIAGRAM

SHEET NO.

AV7.06

SHEET SIZE: ARCH D - 24" X 36"
DO NOT SCALE DRAWING

PLOT DATE: 9/24/2015 / PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) / PLOT BY: ANDY ADAMS



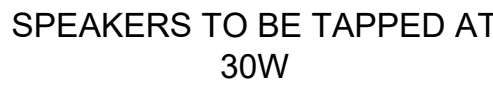
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DESCRIPTION		
AS BUILT		
DATE		
FEBRUARY 13, 2018		
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REVISIONS		
REV	DATE	DESCRIPTION
1	2017-07-17	AS SHOWN

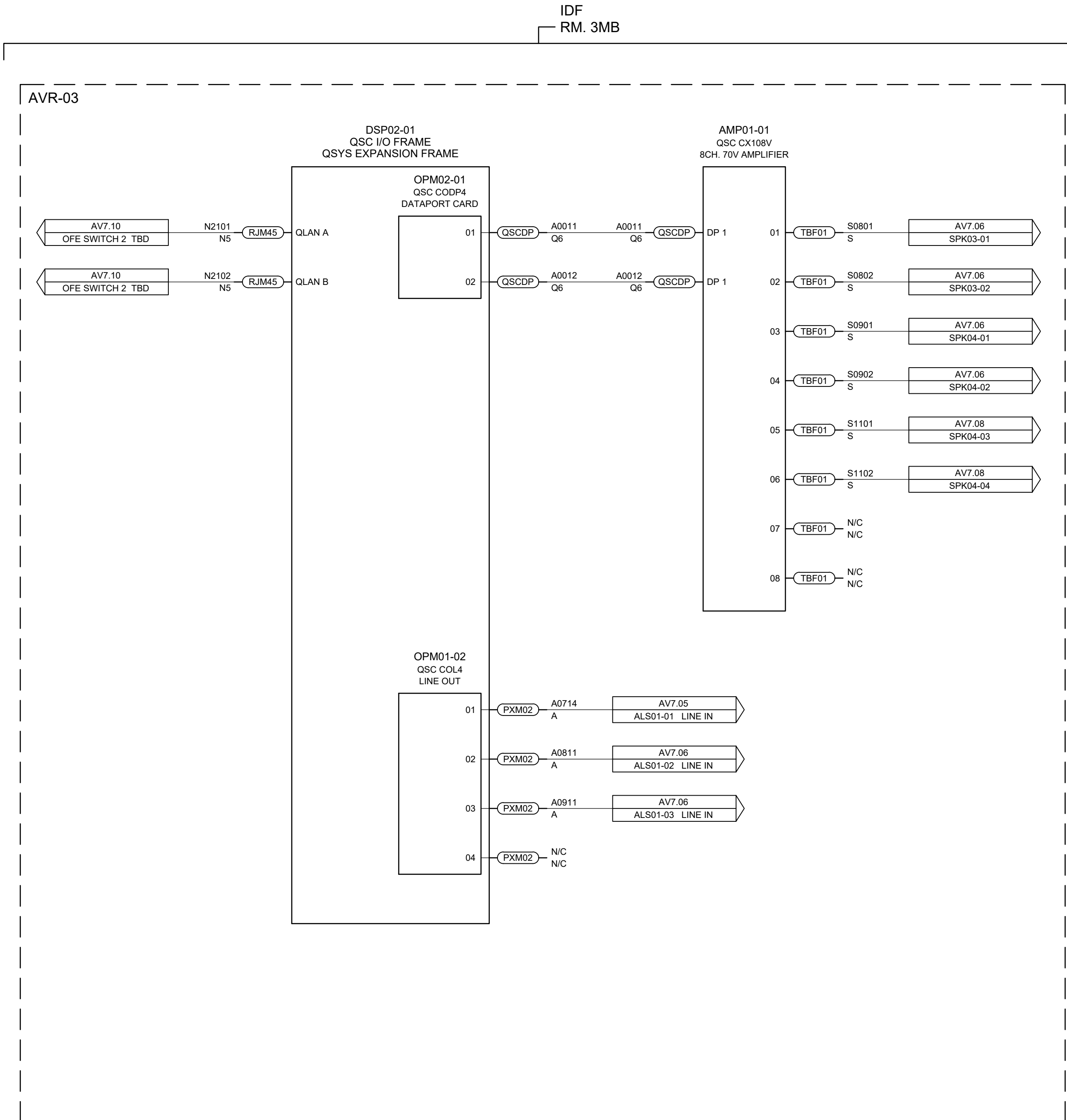
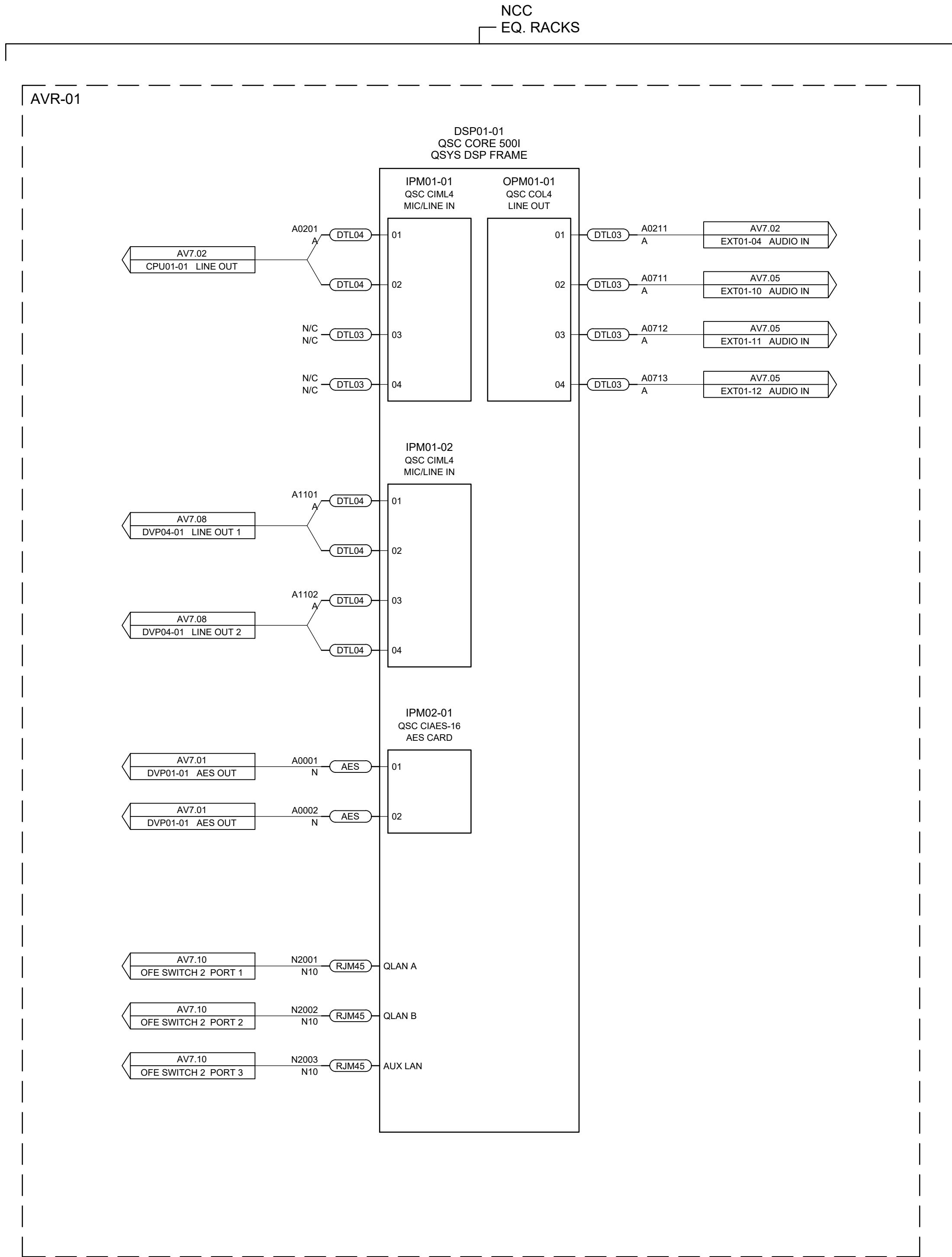
PROJECT NO.	SCALE
ENC100655	NONE
ENGINEER	
PFA	
DRAWN	CREATED
ESI	

AREA/ATTRACTION	AMERICANS EXHIBITION
PROJECT	NATIONAL MUSEUM OF THE AMERICAN INDIAN

TITLE	AV SINGLE LINE BLOCK DIAGRAM
SHEET NO.	AV7.07
	REV



PLOT DATE: 9/24/2015 / PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) / PLOT BY: ANDY ADAMS



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1	2017-07-17	AS SHOWN

PROJECT NO.
ENC100655

ENGINEER
PFA

DRAWN
ESI

SCALE
NONE

CREATED

AREA/ATTRACTION

AMERICANS
EXHIBITION

PROJECT
NATIONAL MUSEUM
OF THE AMERICAN
INDIAN

TITLE
AV SINGLE LINE
BLOCK DIAGRAM

SHEET NO.
AV7.09

REV

PLOT DATE: 9/24/2015 / PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) / PLOT BY: ANDY ADAMS

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PROJECT NO.
ENC100655

ENGINEER
PFA

DRAWN
ESI

AREA/ATTRACTION
**AMERICANS
EXHIBITION**

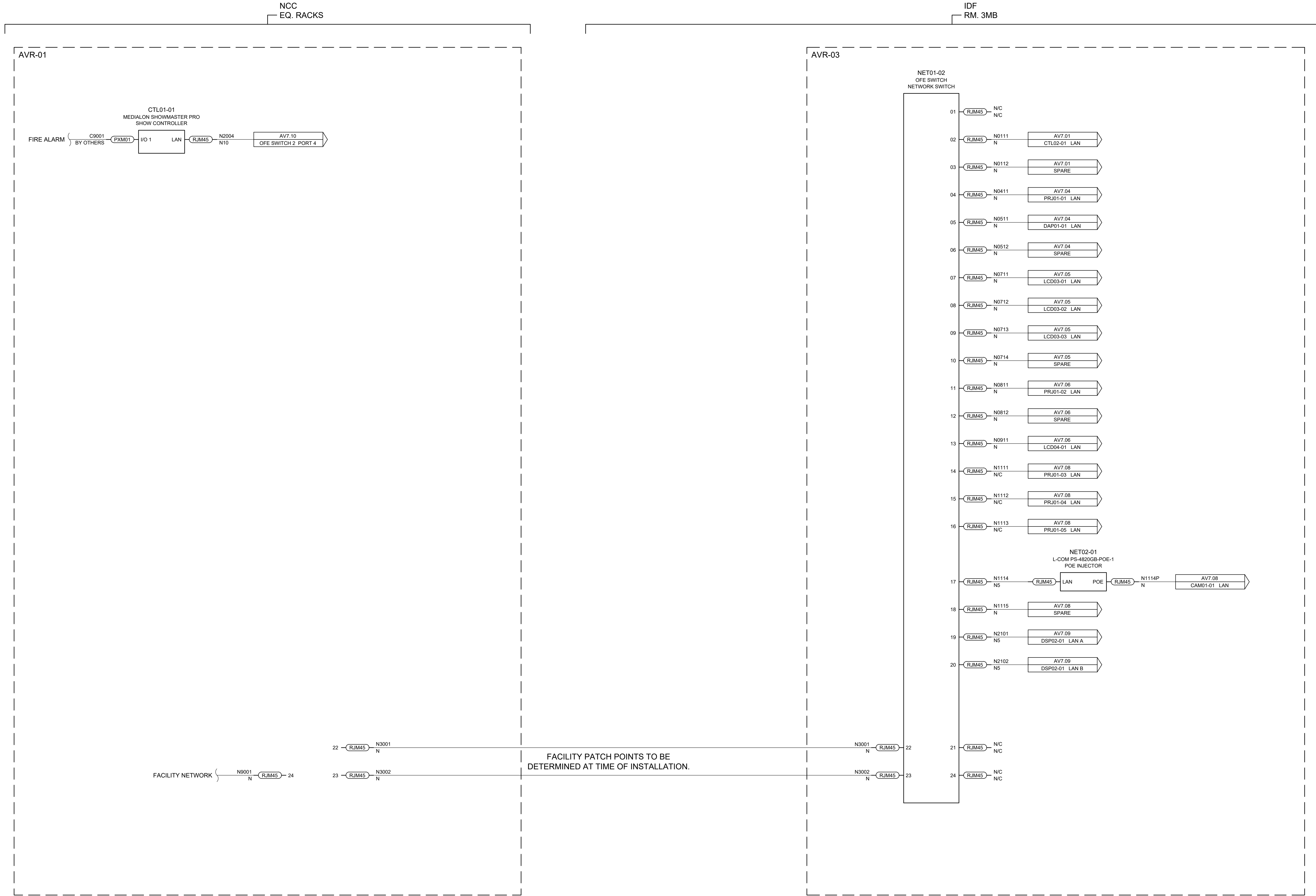
PROJECT
**NATIONAL MUSEUM
OF THE AMERICAN
INDIAN**

TITLE
**AV SINGLE LINE
BLOCK DIAGRAM**

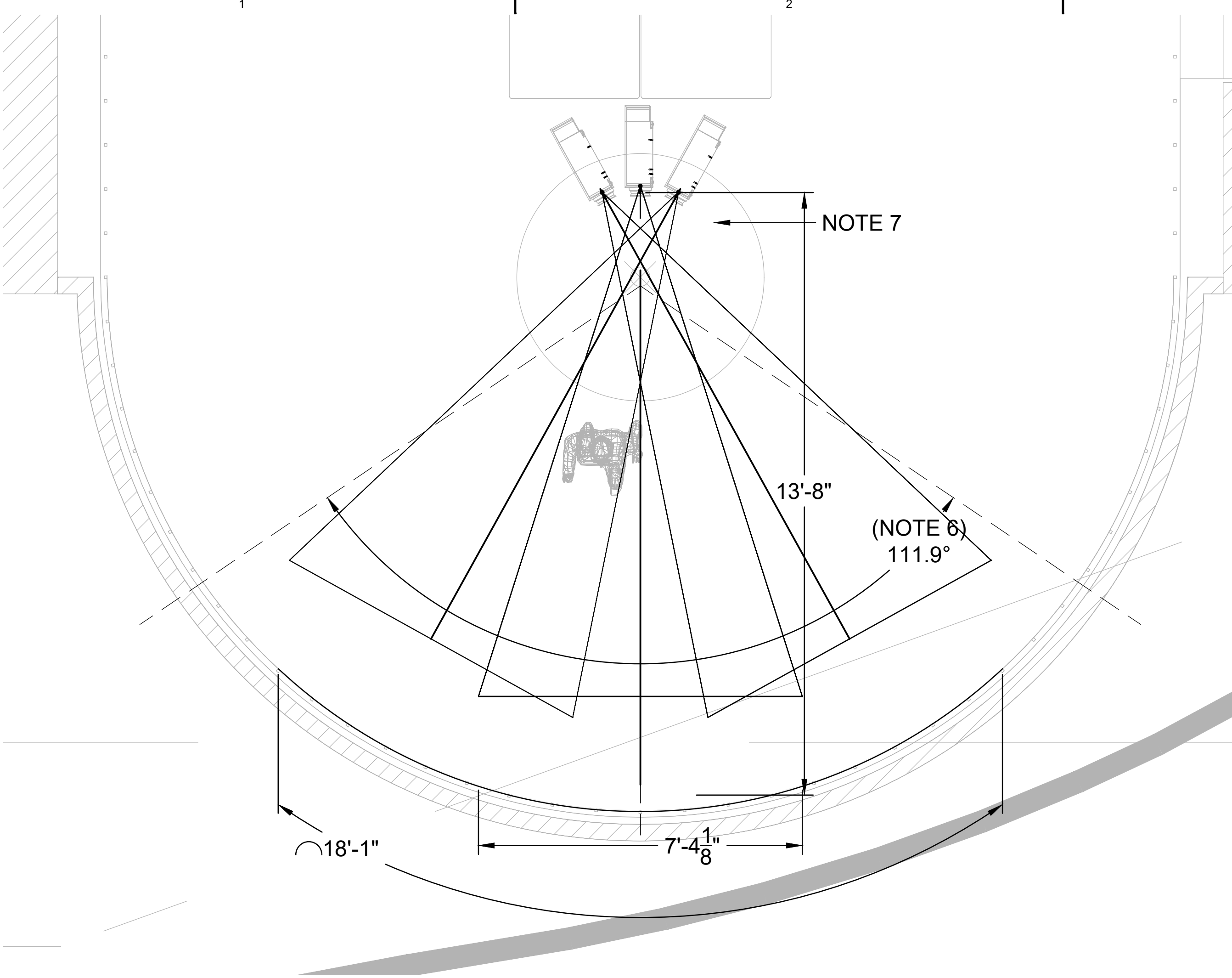
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AV7.10

REV

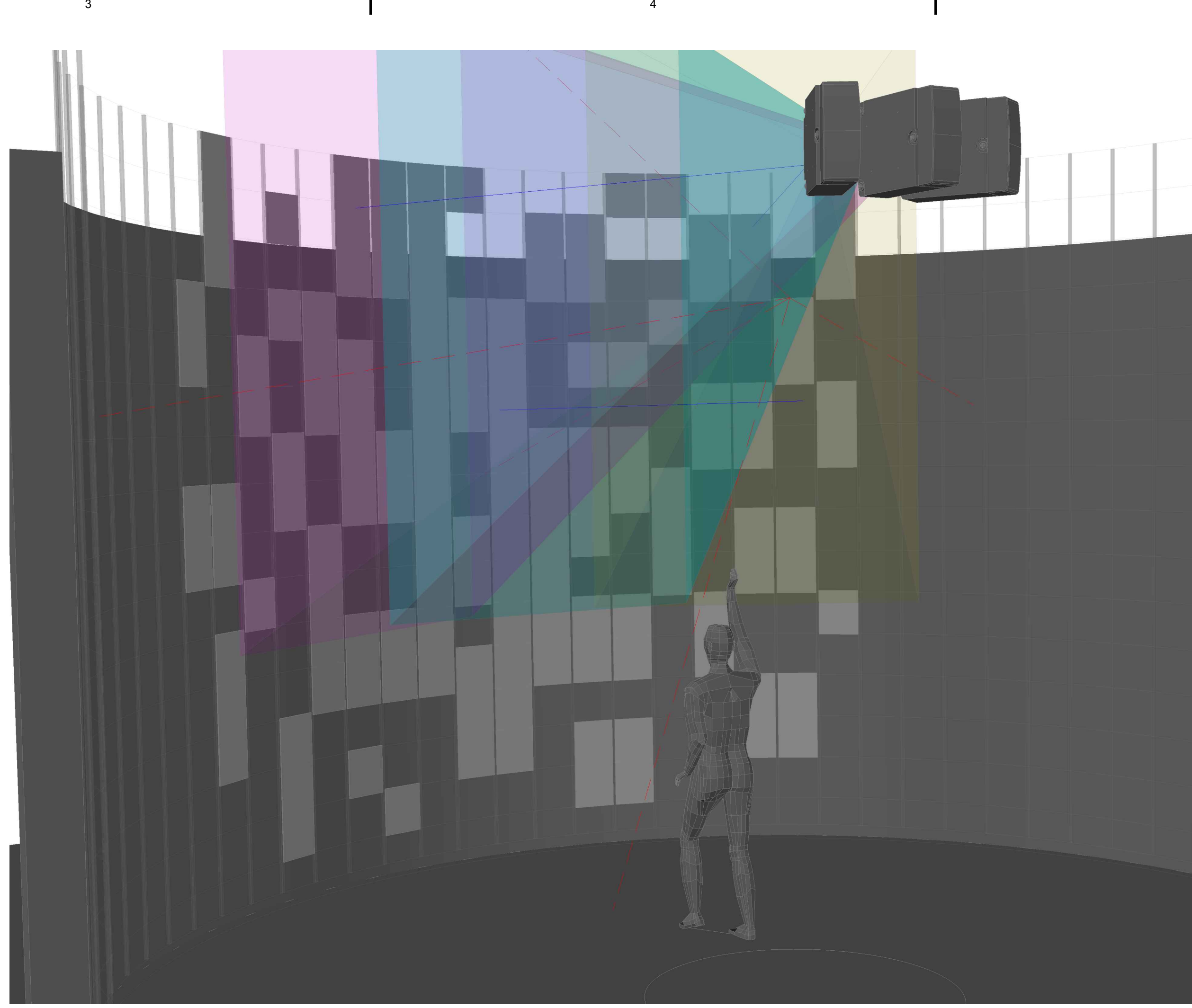
SHEET SIZE: ARCH D - 24" X 36"
DO NOT SCALE DRAWING



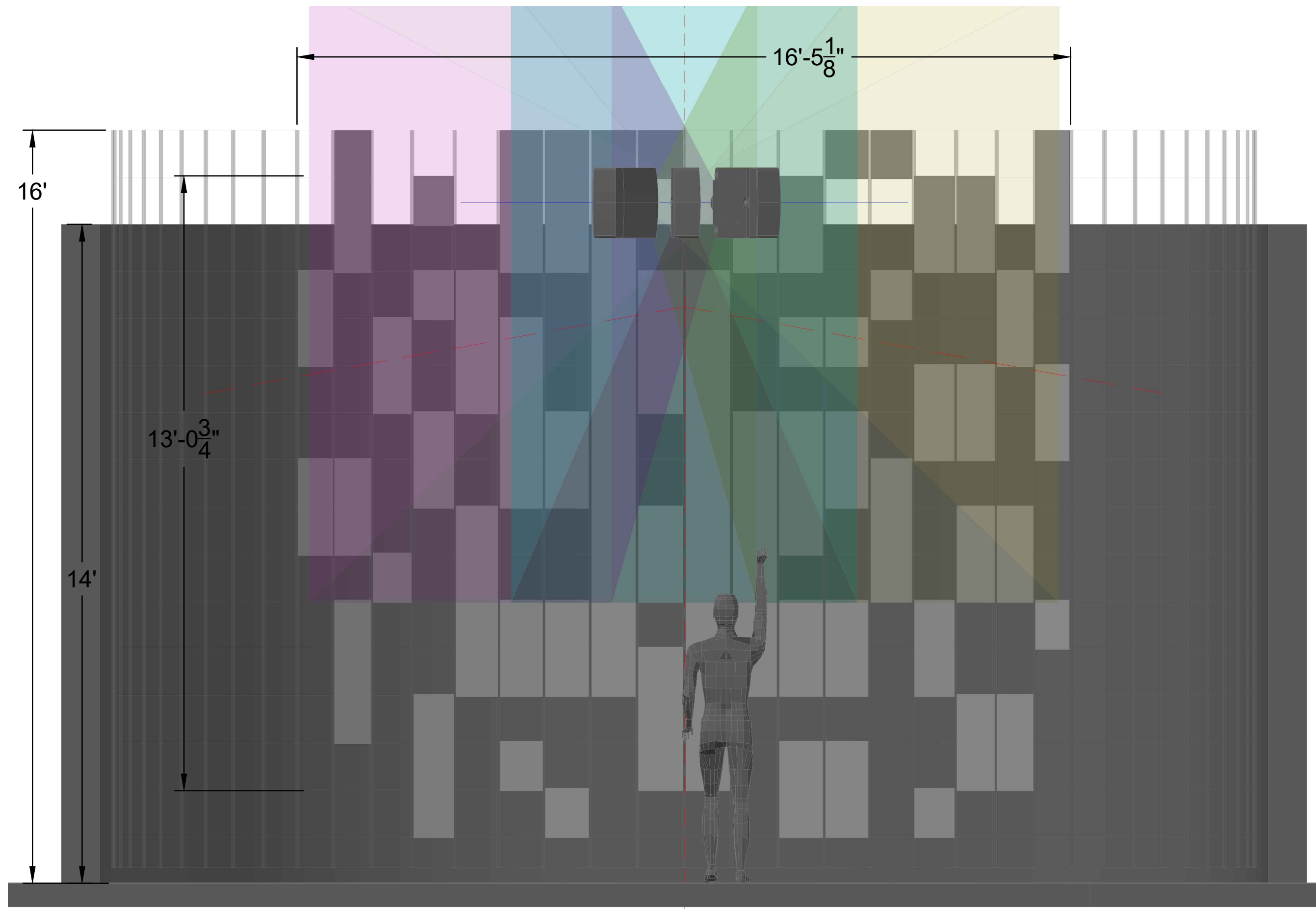
PLOT DATE: 9/24/2015 / PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) / PLOT BY: ANDY ADAMS



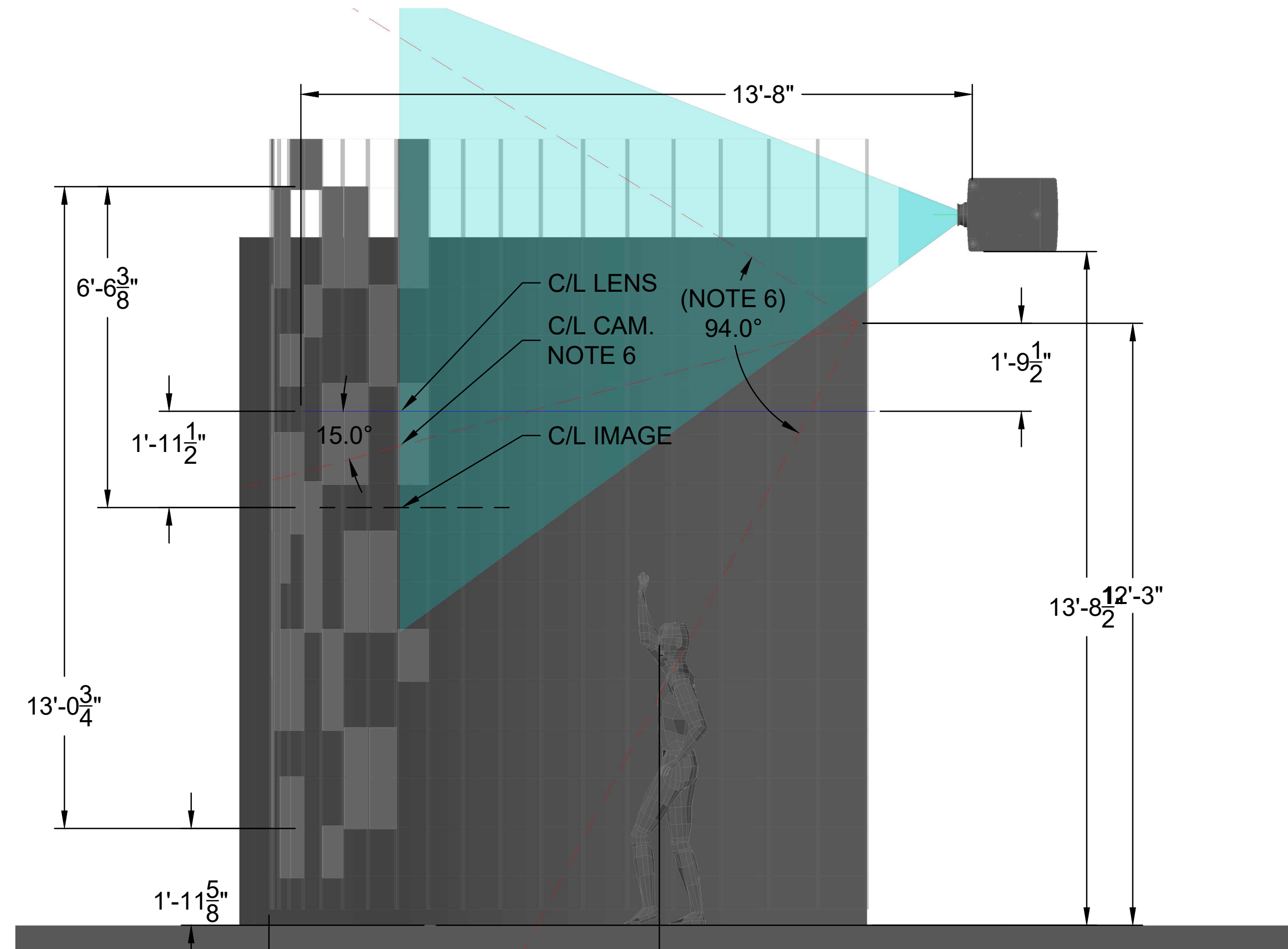
1 PLAN
SCALE: NTS



3 3D VIEW
SCALE: NTS



2 ELEVATION
SCALE: NTS



4 SIDE ELEVATION
SCALE: NTS
LEFT AND RIGHT PROJECTION CONES OMITTED FOR CLARITY.

SHEET SPECIFIC NOTES

- PROJECTORS: CHRISTIE DHD599-GS (1920 X 1080)
- LENSES: CHRISTIE 140-119102-01. .75- .95:1.0 ZOOM
- PROJECTORS IN PORTRAIT ORIENTATION. USE MAXIMUM LENS SHIFT TO POSITION PROJECTOR AT REQUIRED HEIGHT
- BLENDING / GEOMETRY CORRECTION IS REQUIRED
- VERIFY PROJECTOR MOUNTING METHOD
- ALIGNMENT CAMERA PICKUP REFERENCE (REV. 08.02.17)
- REV 1: REDUCE IMAGE, BY ONE PANEL TOP AND BOTTOM. PLACE PROJECTORS CLOSER TO SCREEN. L / R PROJECTORS ARE KEYSTONED SLIGHTLY TO ALLOW CLEARANCE BETWEEN THEM

GENERAL SHEET NOTES

- DO NOT SCALE DRAWING.



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REVISIONS

REV	DATE	DESCRIPTION

PROJECT NO.
ENC100655
ENGINEER
PFA
DRAWN
CREATED

ESI
AREA/ATTRACTION
AMERICANS
EXHIBITION

PROJECT
NATIONAL MUSEUM
OF THE AMERICAN
INDIAN

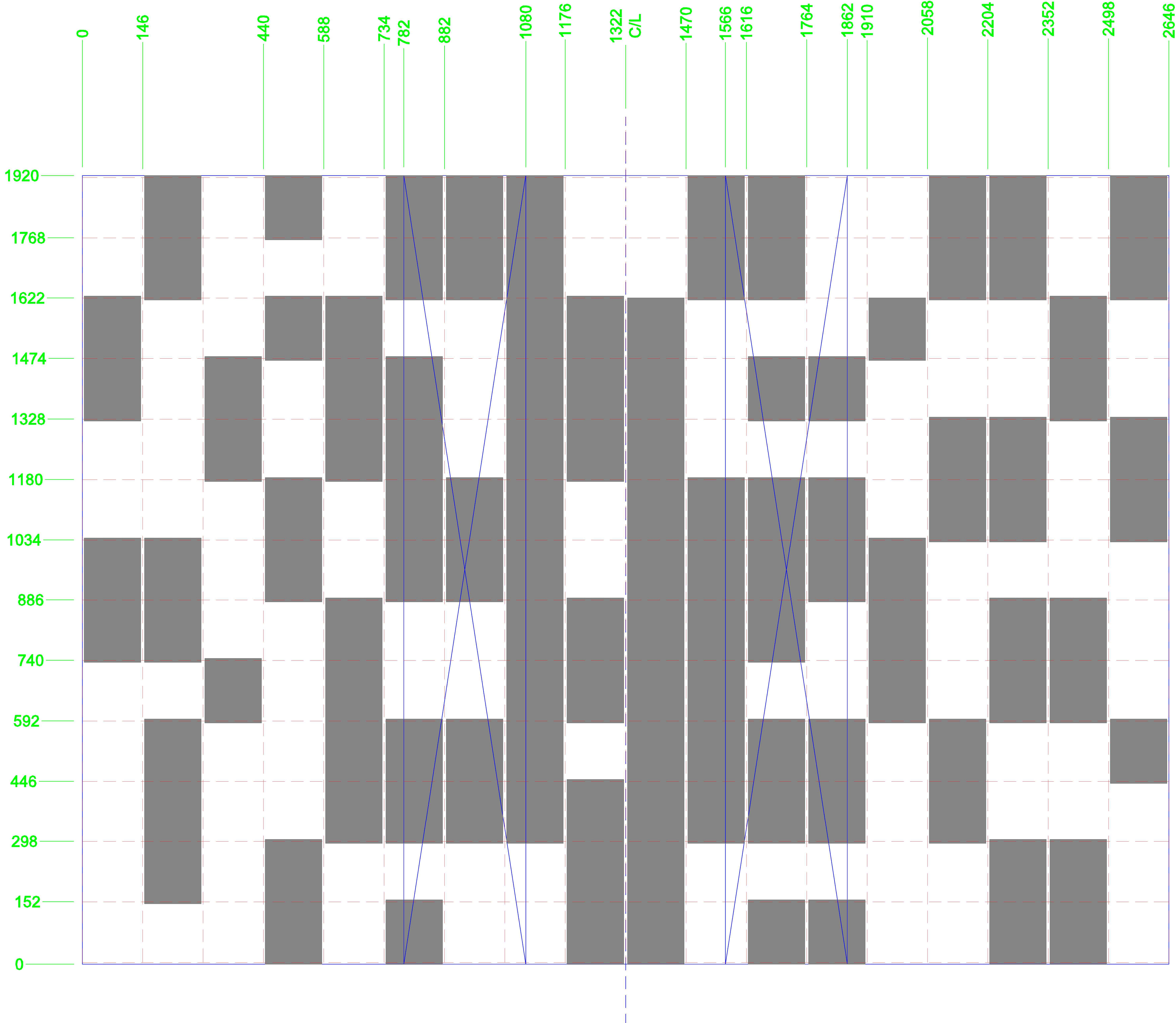
TITLE
AV PROJECTION
STUDY: NEXUS

SHEET NO.
AV8.01
REV

SHEET SIZE: ARCH D - 24" X 36"
DO NOT SCALE DRAWING

PLOT DATE: 9/24/2015 / PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) / PLOT BY: ANDY ADAMS

1 PIXELMAP
SCALE: NTS



- SHEET SPECIFIC NOTES**
1. VERIFY IF IMAGE APPEARS ON VERTICAL MEMBERS OF NEXUS FRAME
 2. REV 1: REDUCE IMAGE SIZE

- GENERAL SHEET NOTES**
- DO NOT SCALE DRAWING.

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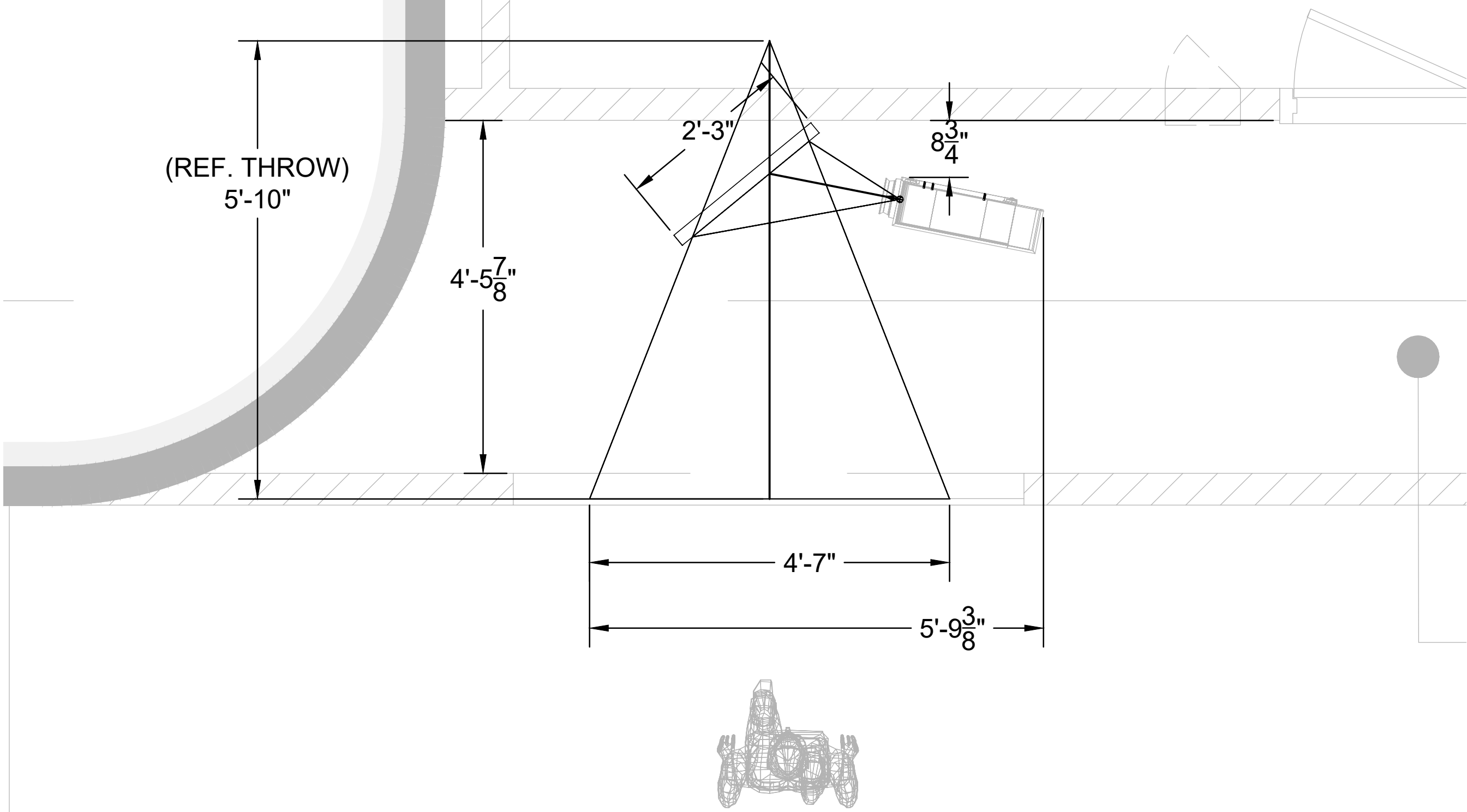
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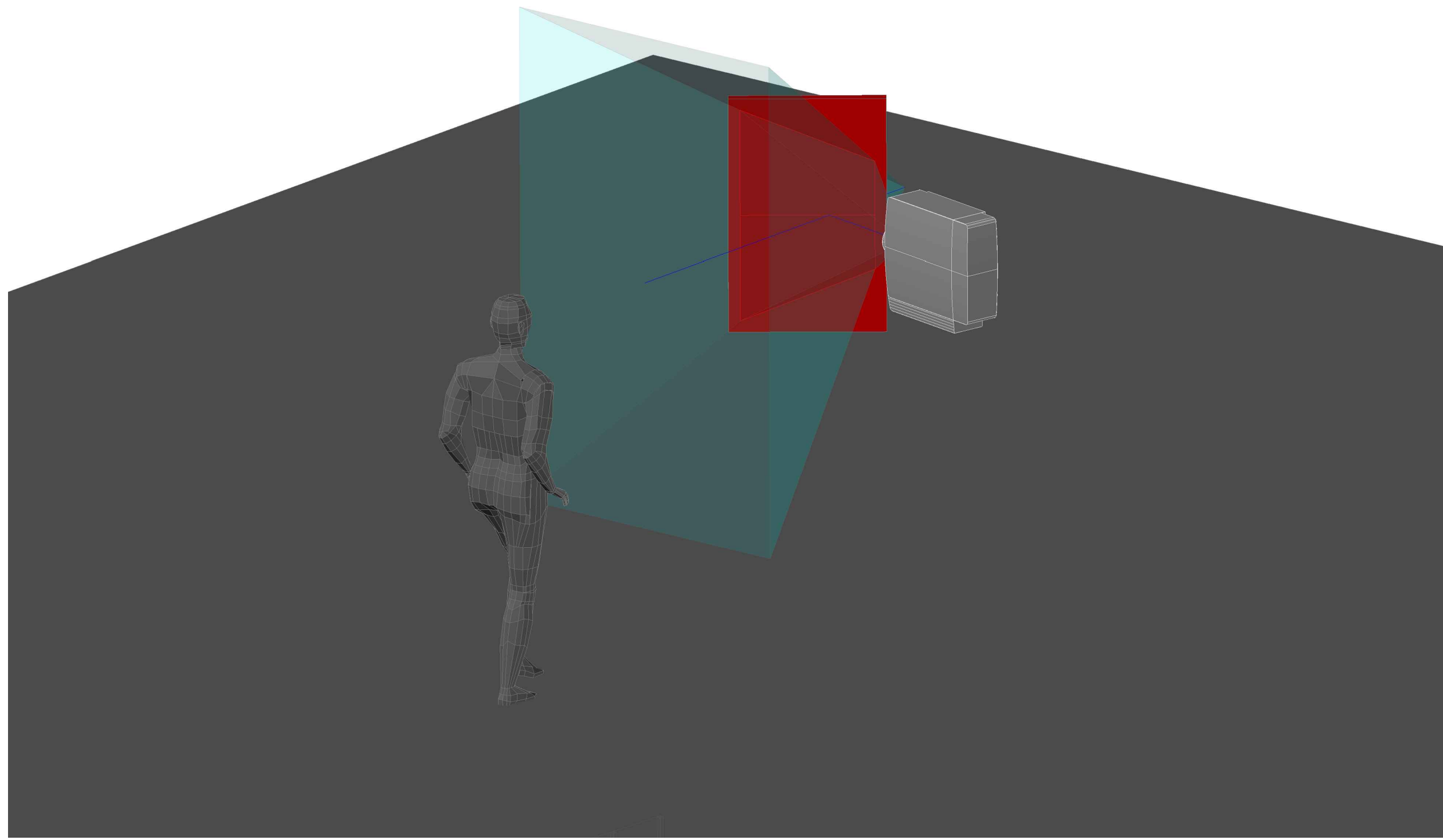
ISSUE		
DESCRIPTION		
AS BUILT		
DATE		
FEBRUARY 13, 2018		
APPROVED		
REVISIONS		
REV	DATE	DESCRIPTION

PROJECT NO.		SCALE	
ENC100655		AS NOTED	
ENGINEER			
PFA			
DRAWN		CREATED	
ESI			
AREA/ATTRACTION			
AMERICANS EXHIBITION			
PROJECT			
NATIONAL MUSEUM OF THE AMERICAN INDIAN			
TITLE			
AV PROJECTION: NEXUS - PIXELMAP			
SHEET NO.		REV	
AV8.02			
SHEET SIZE: ARCH D - 24" X 36"			
DO NOT SCALE DRAWING			

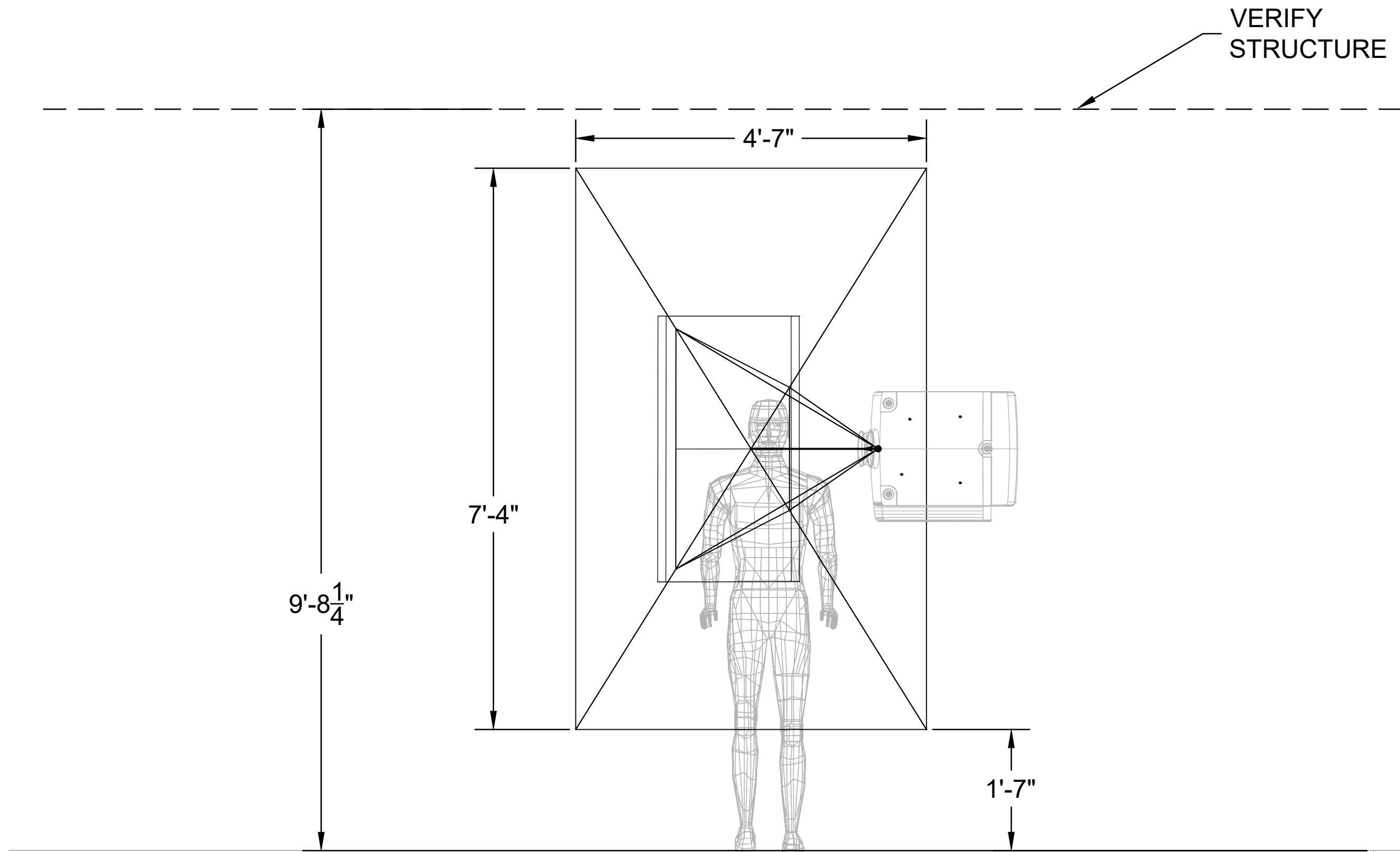
PLOT DATE: 9/24/2015 / PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) / PLOT BY: ANDY ADAMS



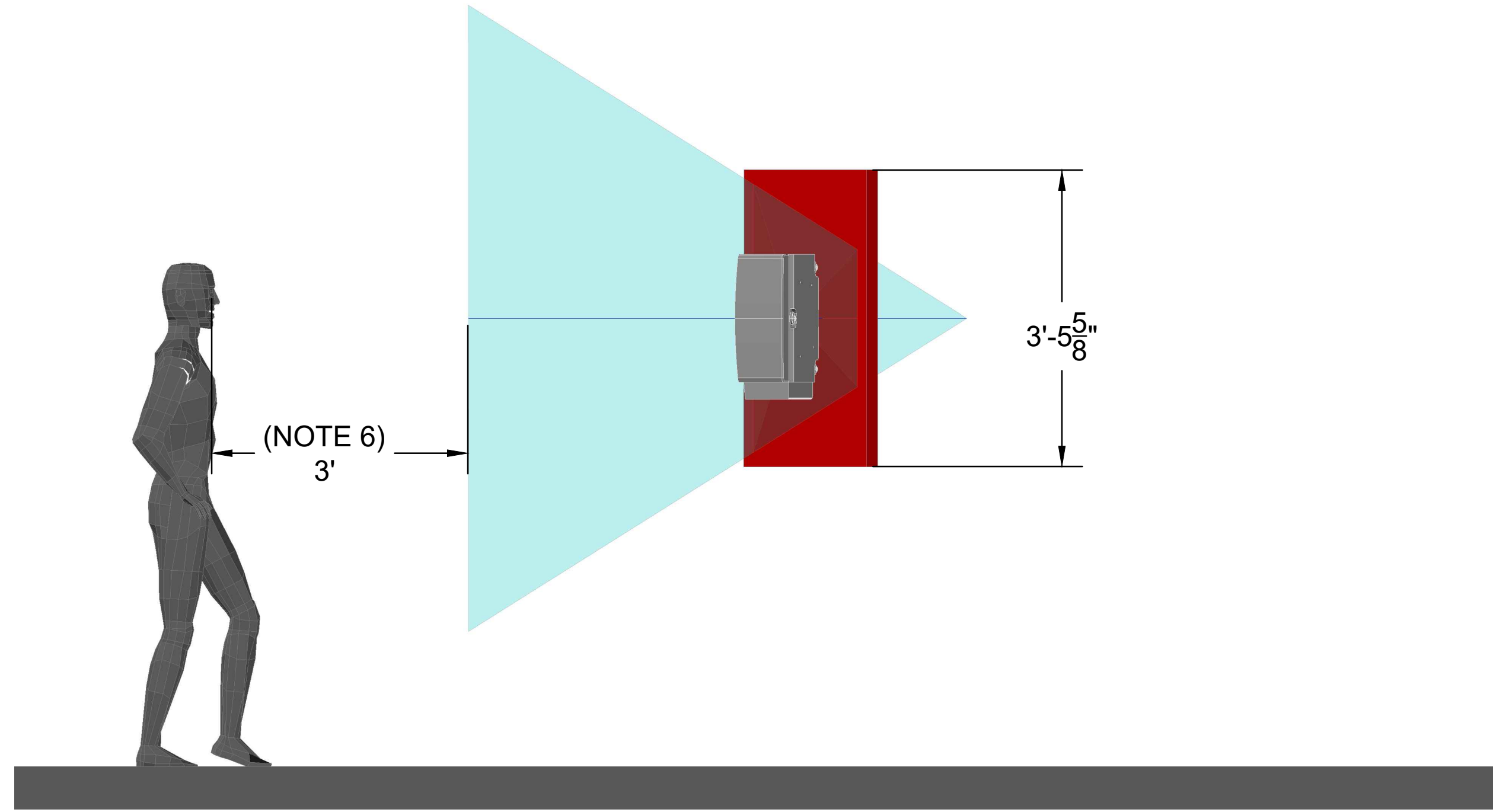
1 PLAN
SCALE: NTS



3 3D VIEW
SCALE: NTS



2 ELEVATION
SCALE: NTS



4 SIDE ELEVATION
SCALE: NTS

- SHEET SPECIFIC NOTES**
- PROJECTORS: CHRISTIE DWU599-GS (1920 X 1200)
 - LENSES: CHRISTIE 140-119102-01. .75- .95:1.0 ZOOM
 - PROJECTORS IN PORTRAIT ORIENTATION. USE MIRROR TO ALLOW FIT IN SHALLOW RP ROOM
 - VERIFY SCREEN HEIGHT AND LOCATION AFF
 - VERIFY PROJECTOR MOUNTING METHOD
 - CLOSEST "ACCEPTABLE VISUAL ACUITY" VIEWING DISTANCE

- GENERAL SHEET NOTES**
- DO NOT SCALE DRAWING.

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ELECTROSONIC

ISSUE

DESCRIPTION
AS BUILT

DATE
FEBRUARY 13, 2018

APPROVED

REVISIONS		
REV	DATE	DESCRIPTION

PROJECT NO.
ENC100655

ENGINEER
PFA
DRAWN
ESI

SCALE
AS NOTED

AREA/ATTRACTION
AMERICANS EXHIBITION

PROJECT
NATIONAL MUSEUM OF THE AMERICAN INDIAN

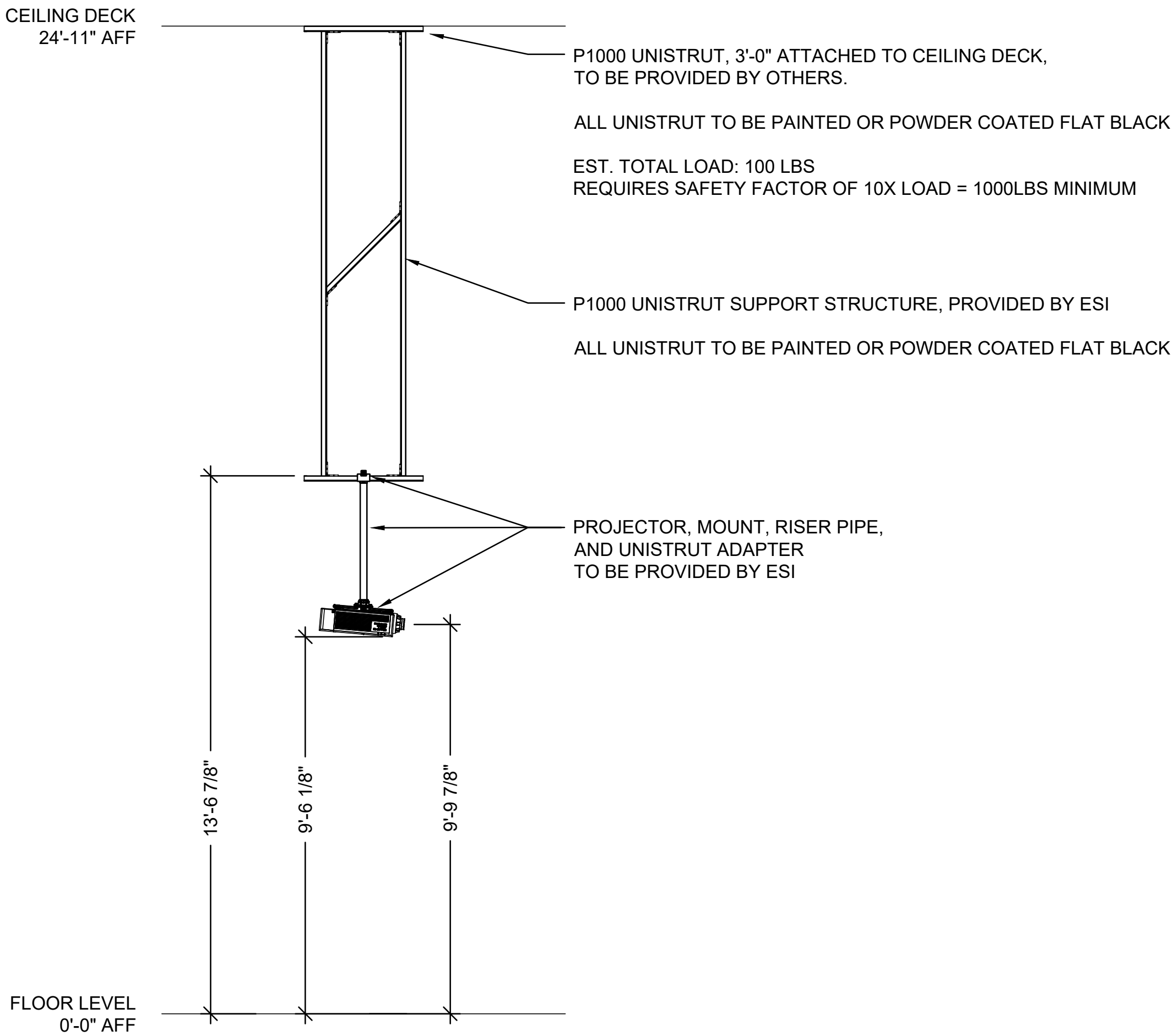
TITLE
AV PROJECTION STUDY: ENIGMA

SHEET NO.
AV8.03

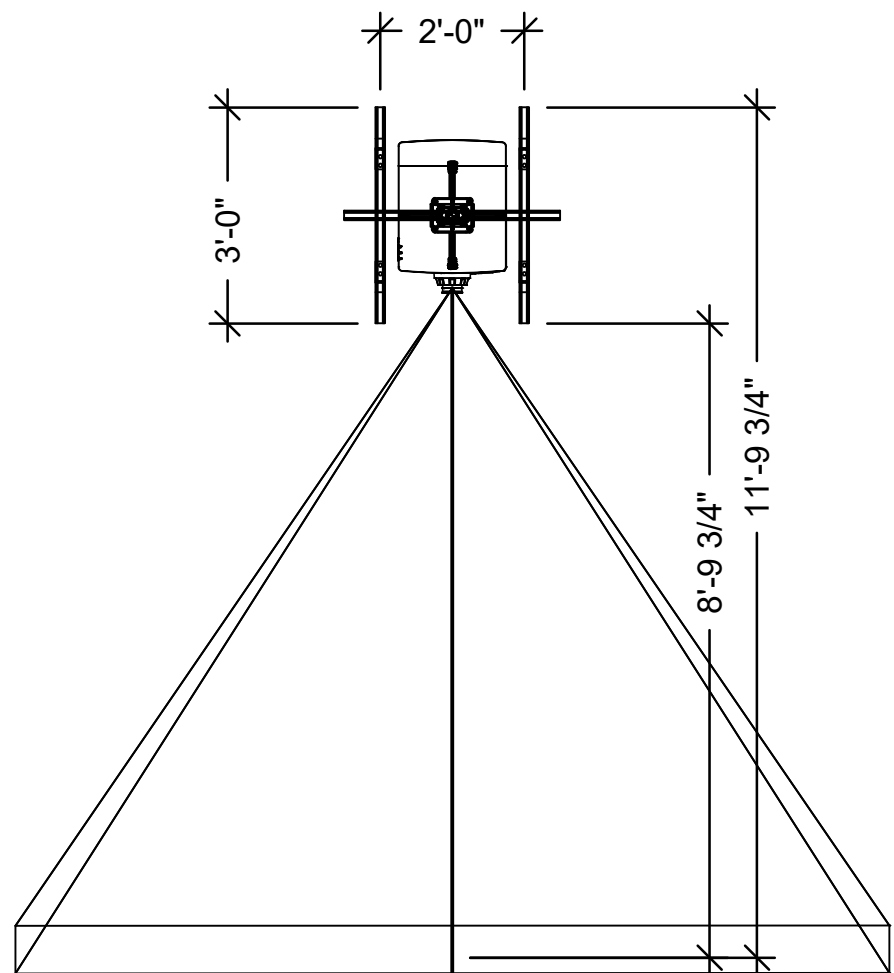
REV

SHEET SIZE: ARCH D - 24" X 36"
DO NOT SCALE DRAWING

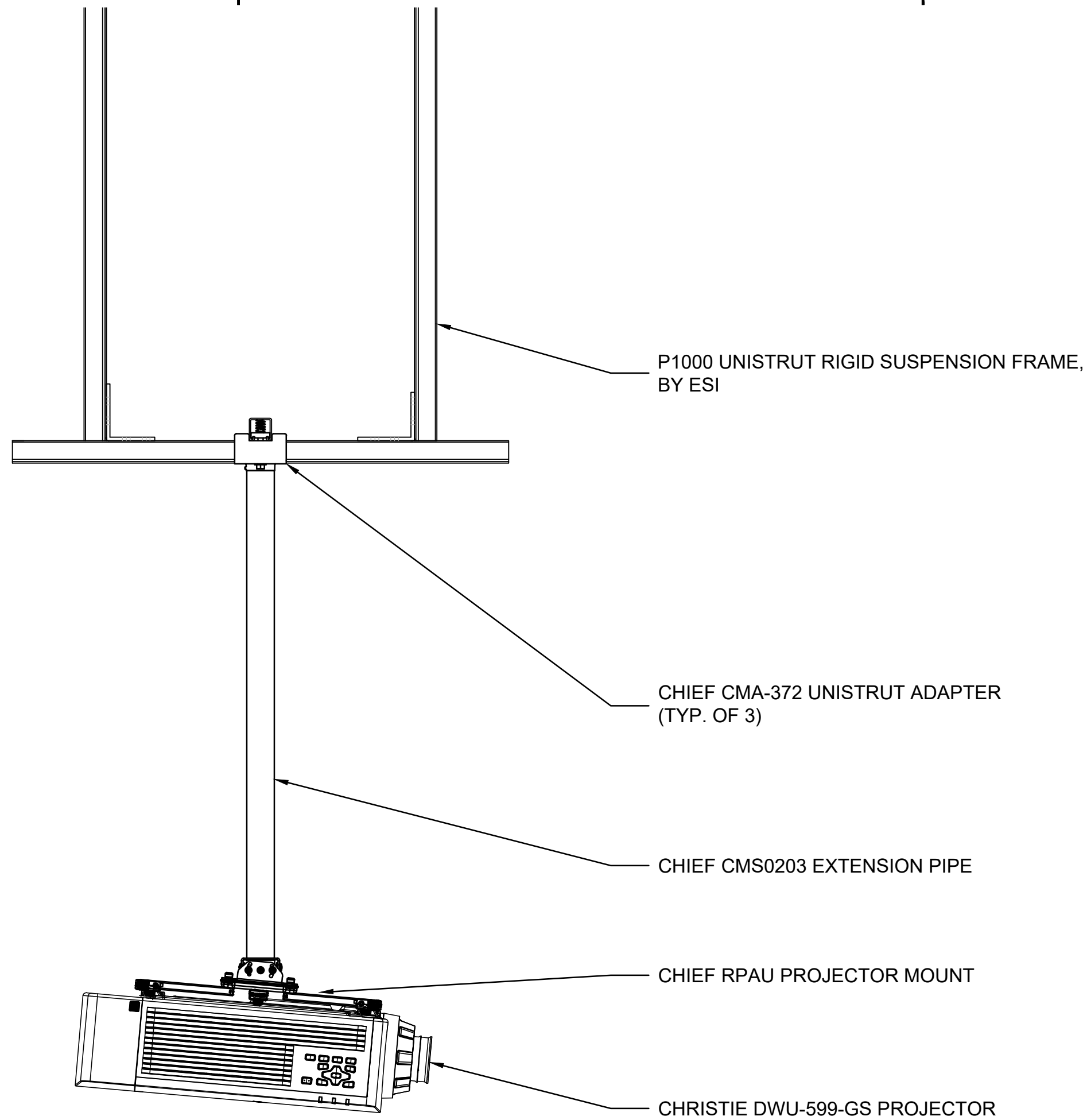
PLOT DATE: 9/24/2015 / PLOT SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) / PLOT BY: ANDY ADAMS



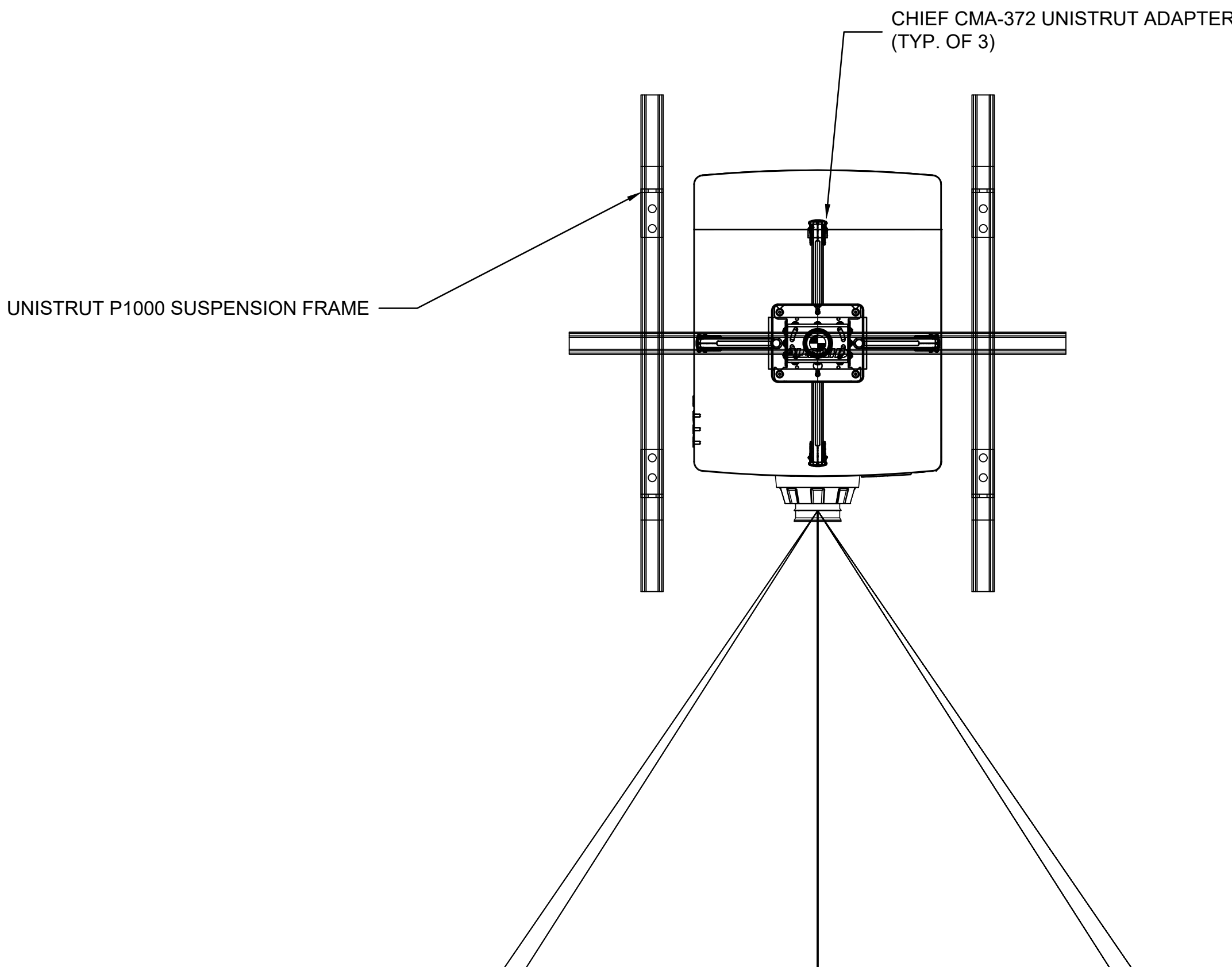
1 AV-4 "QUOTES" PROJECTION MOUNTING -- PROFILE
SCALE: 3/8" = 1'-0"



3 AV-4 "QUOTES" PROJECTION MOUNTING -- PLAN
SCALE: 3/8" = 1'-0"



2 AV-4 "QUOTES" PROJECTION MOUNTING -- PROFILE DETAIL
SCALE: 1-1/2" = 1'-0"



4 AV-4 "QUOTES" PROJECTION MOUNTING -- PLAN DETAIL
SCALE: 1-1/2" = 1'-0"

SHEET SPECIFIC NOTES

1. XXXXX

GENERAL SHEET NOTES

- DO NOT SCALE DRAWING.

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NATIONAL MUSEUM
OF THE AMERICAN
INDIAN

TITLE

MOUNT DETAIL
AV-4 "QUOTES"

SHEET NO.

AV9.01

REV

SHEET SIZE: ARCH D - 24" X 36"
DO NOT SCALE DRAWING