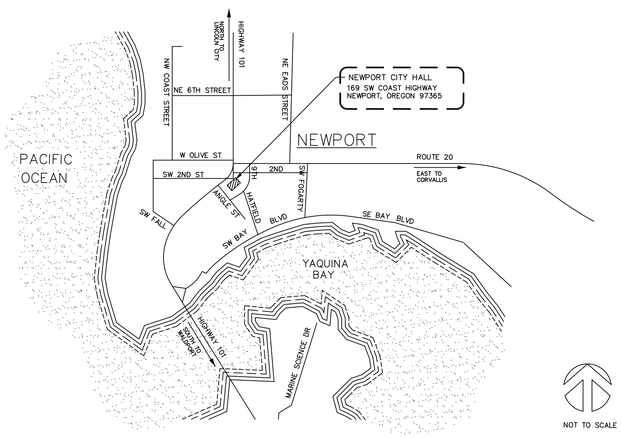
AMENDMENT NO. 1
TO RFP FOR AUDIO-VISUAL EQUIPMENT

For potential proposer review, the as-built drawings for the original audio-visual system are included on the city website.

VICINITY MAP



NATERLIN CENTER REMODEL

169 SW COAST HIGHWAY
NEWPORT, OR 97365

A/V DESIGNED BY:

SPECTRUM
SYSTEMS DESIGN
937 S.W. 14th, SUITE #101
PORTLAND, OREGON 97205
(503) 248-0248

ARCHITECT:

WBGS
ARCHITECTURE & PLANNING, PC
72 WEST BROADWAY
EUGENE, OREGON 97401
PHONE 541-342-7291
FAX 541-342-1535

PROJECT TEAM

OWNER

NEWPORT DEVELOPMENT COMMISSION
810 SW ALDER STREET, NEWPORT, OR 97365
PHONE: (541) 265-5331 FAX: (541) 574-0609
CONTACT: SAM SASAKI, EXECUTIVE DIRECTOR

ARCHITECT AND PLANNERS

WBGS ARCHITECTURE & PLANNING PC
72 WEST BROADWAY, EUGENE, OR 97401
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PRINCIPAL IN CHARGE: ERIC GUNDERSON, AIA
CONTACT: TRICIA BERG, AIA

A/V CONSULTANT

SPECTRUM SYSTEMS DESIGN
937 SW 14TH SUITE 101, PORTLAND, OR 97205
PHONE: (503) 248-0248 FAX: (503) 274-7684
CONTACT: LINDSEY MCGILL

CITY OF NEWPORT OREGON

CITY HALL AUDIO VIDEO SYSTEMS

CONTENTS:

AV-1 A/V EQUIPMENT LOCATIONS, FLOOR PLAN, CEILING PLAN & SECTION
AV-2 CONNECTION PANEL DETAILS
AV-3 FLOOR BOX CONNECTION PANEL DETAILS
AV-4 DAIS AND WITNESS LECTERN FURNITURE DETAILS
AV-5 POWER, REMOTE CONTROL AND VIDEO DATA WIRING DIAGRAMS
AV-6 AUDIO WIRING DIAGRAM
AV-7 A/V CONNECTOR WIRING DETAILS
AV-8 EQUIPMENT RACK ELEVATIONS
AV-E1 ELECTRICAL REQUIREMENTS
AV-E2 CONSTRUCTION DETAILS

AUDIO VIDEO AS BUILT DRAWINGS SEPTEMBER 1, 2002

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COVER SHEET

SCALE NONE | DATE 09-01-02 | DRAWN BY E. SHANNON

AV 0

COUNCIL CHAMBERS

AS BUILT DRAWINGS

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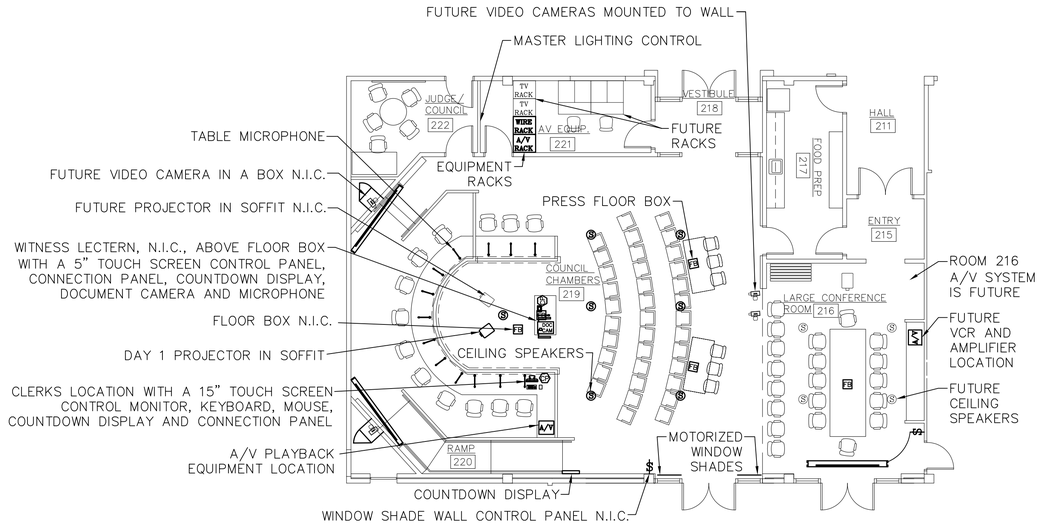
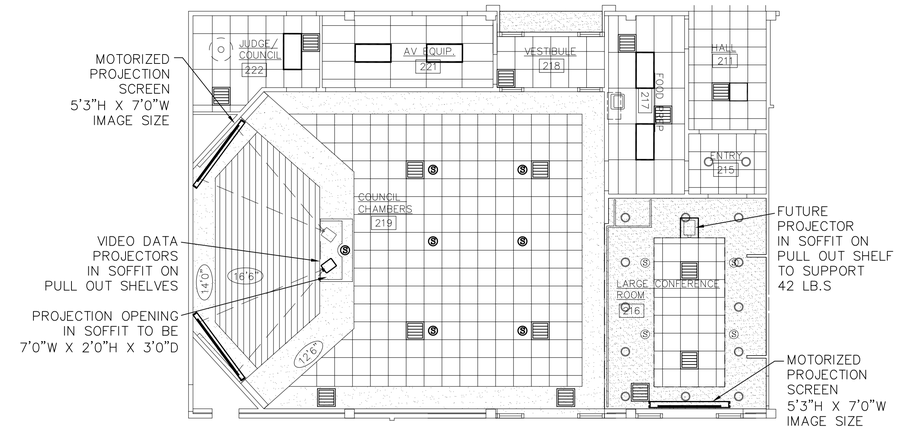
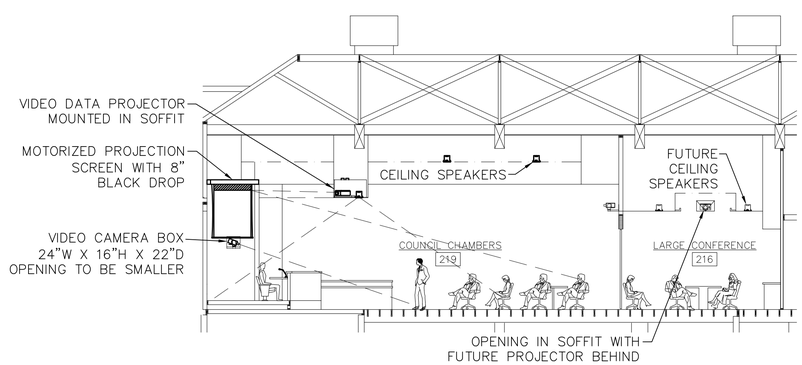


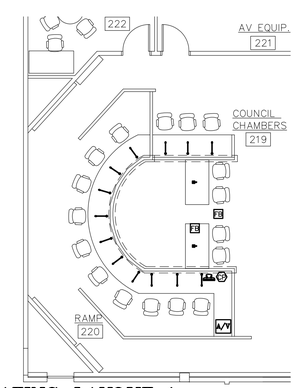
1 AV1 COUNCIL CHAMBERS 219 FLOOR PLAN
SCALE: 1/8"=1'-0"



2 AV1 COUNCIL CHAMBERS 219 CEILING PLAN
SCALE: 1/8"=1'-0"



3 AV1 COUNCIL CHAMBERS 219/ PARTIAL BUILDING SECTION
SCALE: 1/8"=1'-0"



A OPTIONAL SEATING LAYOUT 1

4 AV1 COUNCIL CHAMBERS 219 SEATING
SCALE: 1/8"=1'-0"

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A/V LAYOUT

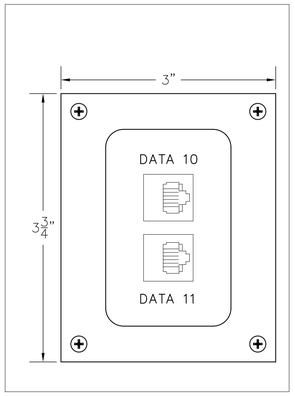
AV 1

SCALE 1/8"=1'0" | DATE 01-15-02 | DRAWN BY E. SHANNON

COUNCIL CHAMBERS

AS BUILT DRAWINGS

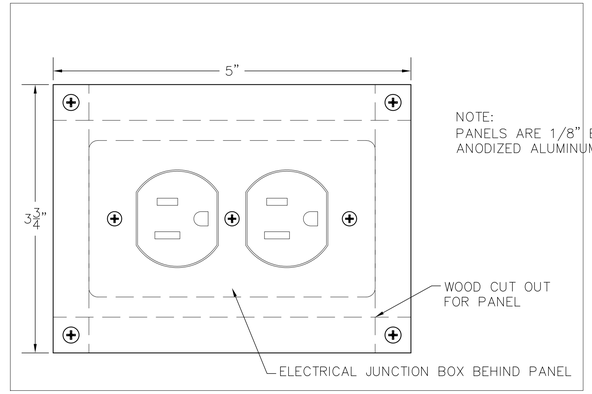
U:\SSD\02073\ACAD02073\AV1.DWG



NOTE:
PANELS ARE 1/8" BLACK ANODIZED ALUMINUM WITH WHITE ETCHED AND FILLED LETTERING. PHONE AND DATA TEXT CHANGES PER PANEL.

1 / AV2 DAIS PHONE DATA PANELS

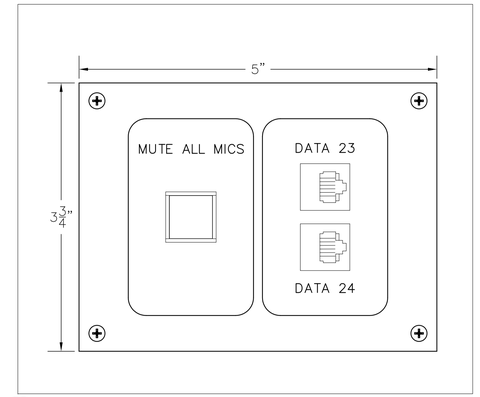
SCALE: 1=1 QUANTITY OF 13



NOTE:
PANELS ARE 1/8" BLACK ANODIZED ALUMINUM.

2 / AV2 POWER PANELS

SCALE: 1=1 QUANTITY OF 14

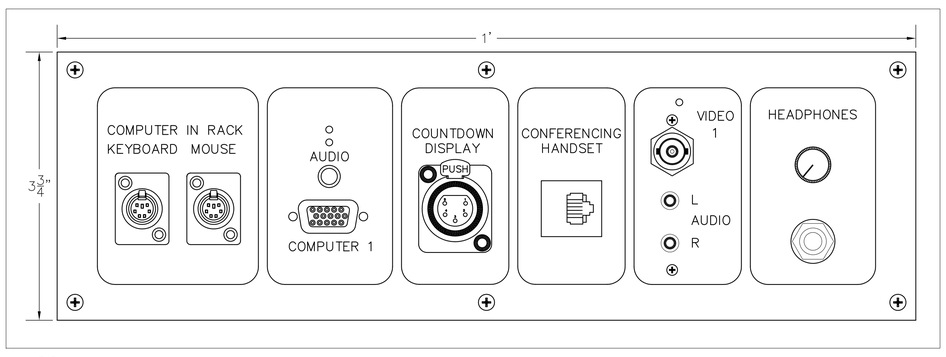


NOTE:
PANEL IS 1/8" BLACK ANODIZED ALUMINUM WITH WHITE ETCHED AND FILLED LETTERING.

3 / AV2 MAYORS DAIS PANEL

SCALE: 1=1 QUANTITY OF 1

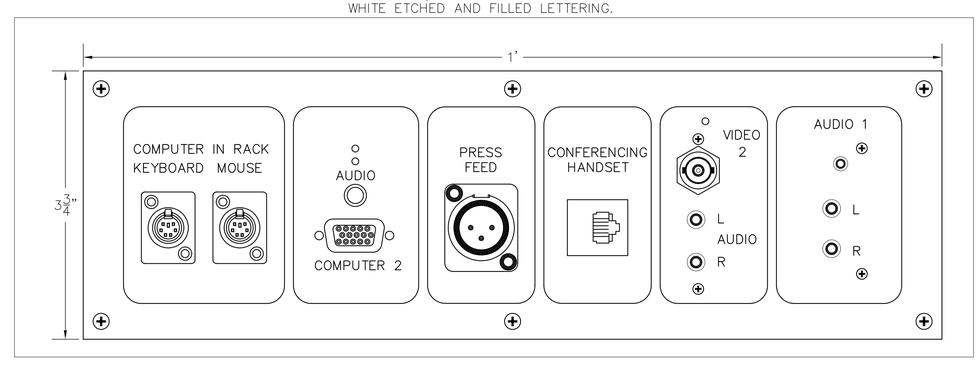
NOTE:
PANEL IS 1/8" BLACK ANODIZED ALUMINUM WITH WHITE ETCHED AND FILLED LETTERING.



4 / AV2 CLERKS DAIS PANEL

SCALE: 1=1 QUANTITY OF 1

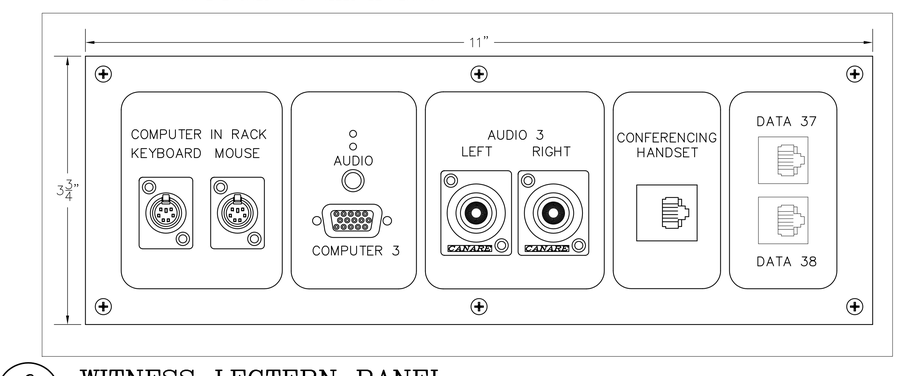
NOTE:
PANEL IS 1/8" BLACK ANODIZED ALUMINUM WITH WHITE ETCHED AND FILLED LETTERING.



5 / AV2 STAFF CONNECTION PANEL

SCALE: 1=1 QUANTITY OF 1

NOTE:
PANEL IS 1/8" BLACK ANODIZED ALUMINUM WITH WHITE ETCHED AND FILLED LETTERING.



6 / AV2 WITNESS LECTERN PANEL

SCALE: 1=1 QUANTITY OF 1

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09-01-02	

CUSTOM PANELS

SCALE 1=1 | DATE 03-01-02 | DRAWN BY E. SHANNON

AV 2

COUNCIL CHAMBERS

DAIS AND WITNESS PANELS

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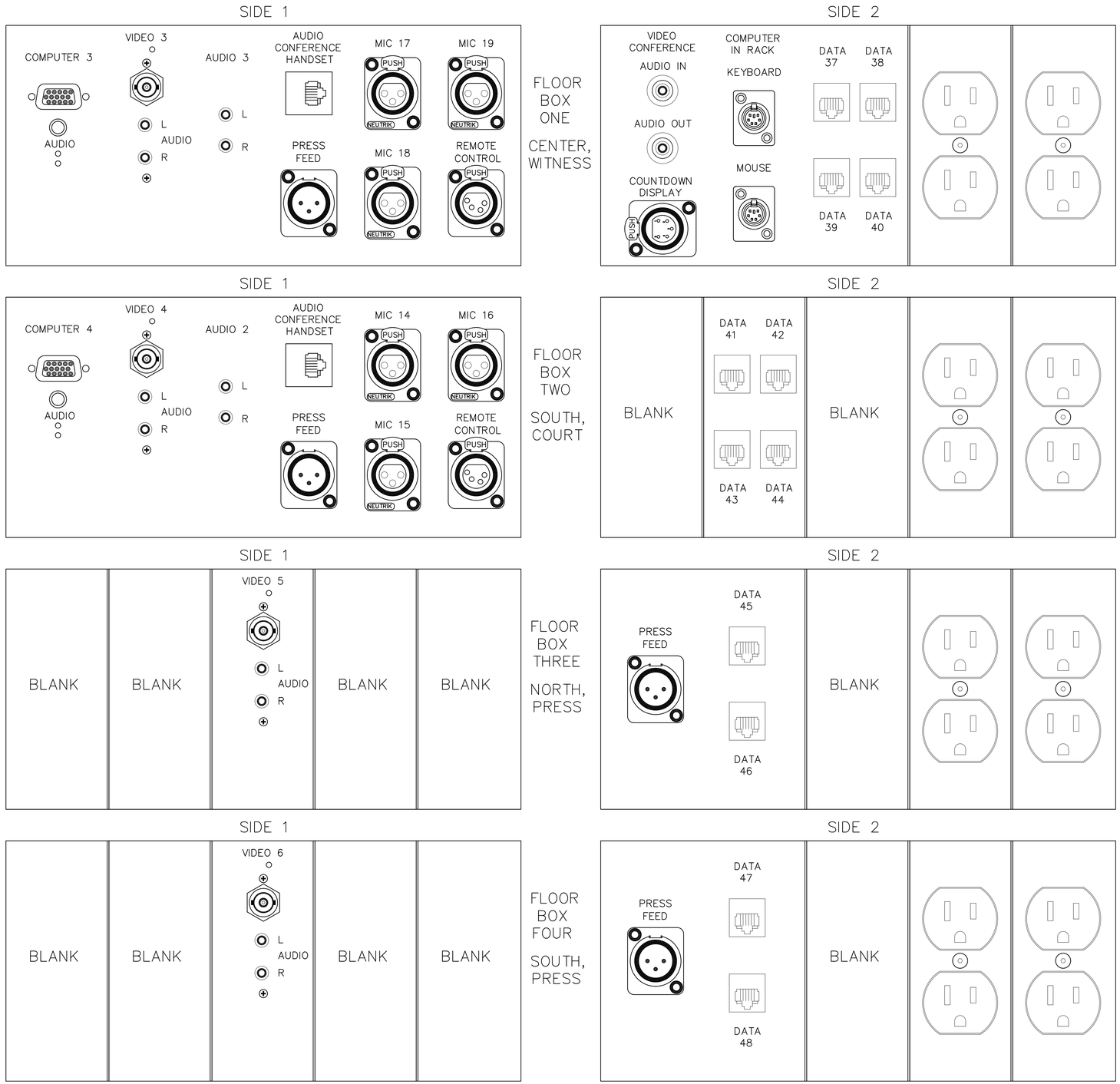

NOTE:
FLOOR BOX PANELS ARE 1/16" GALVANIZED STEEL. FLOOR BOX LABELS TO BE BLACK STICK-ON LEXAN WITH WHITE TEXT. LABELS TO COVER ENTIRE PANEL.

1 / AV3 COUNCIL CHAMBERS 219 FLOOR BOX CONNECTION PANELS

SCALE: 1=1 QUANTITY OF 1 EACH

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CUSTOM PANELS

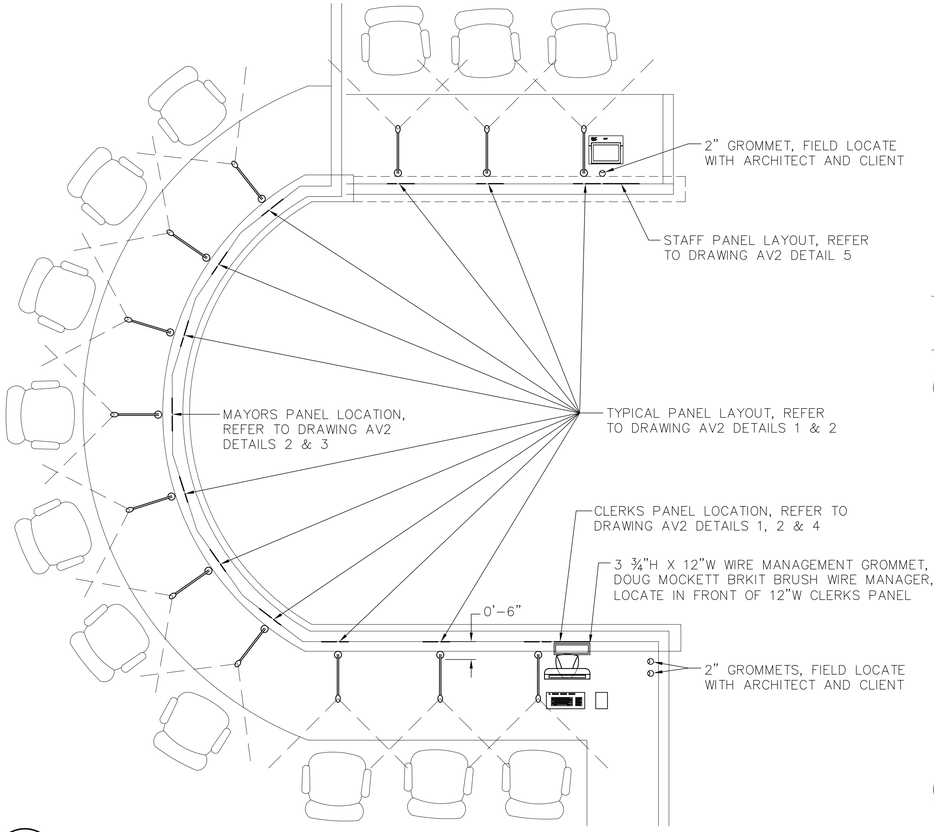
SCALE 1=1 | DATE 02-27-02 | DRAWN BY E. SHANNON

AV 3

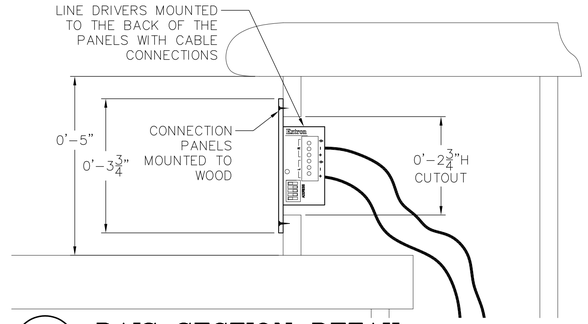
COUNCIL CHAMBERS

FLOOR BOX CONNECTIONS

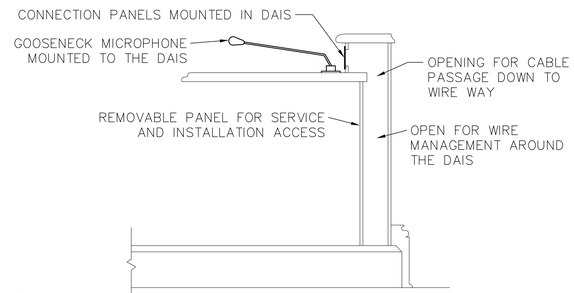
U:\SSD\02073\ACAD02073\AV3.DWG



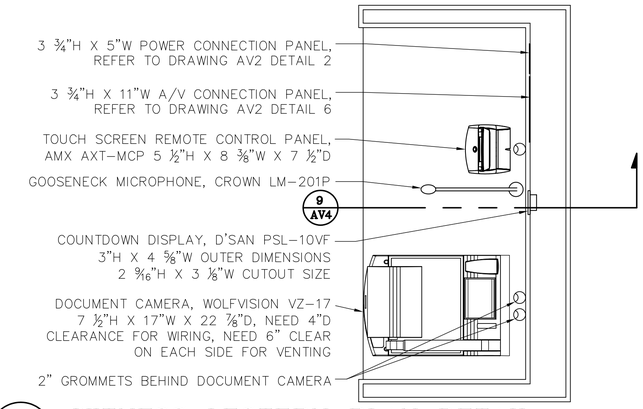
1 AV4 DAIS LAYOUT – PLAN VIEW
SCALE: 1/2"=1'-0"



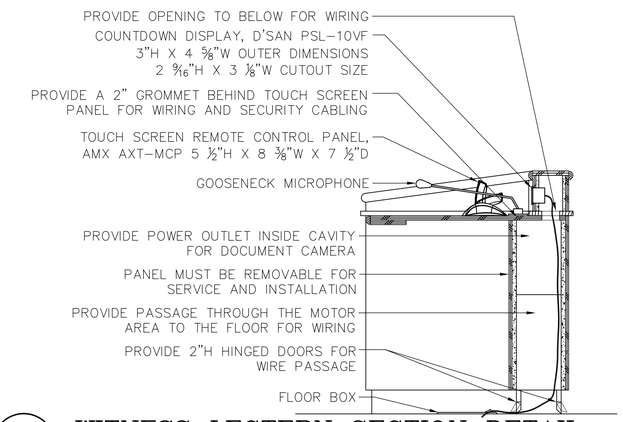
4 AV4 DAIS SECTION DETAIL
SCALE: 1/4"=1"



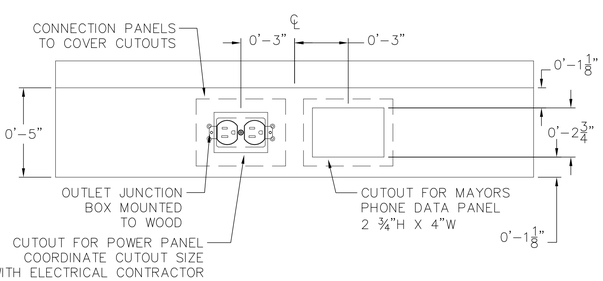
5 AV4 DAIS SECTION DETAIL
SCALE: 1"=1'-0"



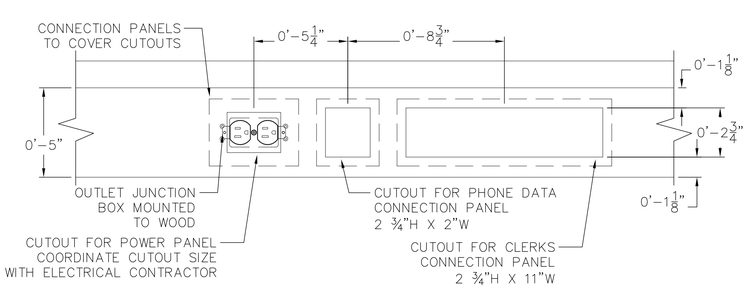
8 AV4 WITNESS LECTERN PLAN DETAIL
SCALE: 1"=1'-0"



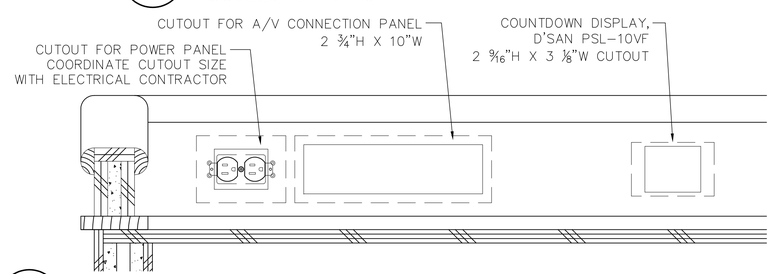
9 AV4 WITNESS LECTERN SECTION DETAIL
SCALE: 1"=1'-0"



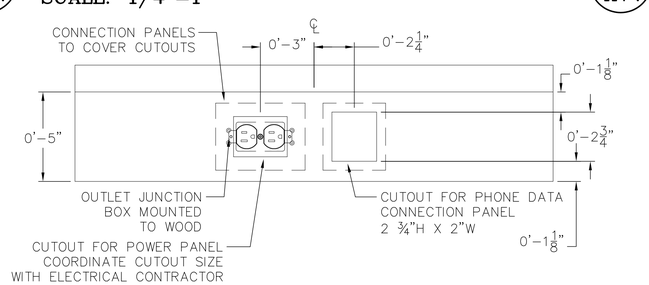
3 AV4 MAYORS PANEL LAYOUT ELEVATION
SCALE: 1/4"=1"



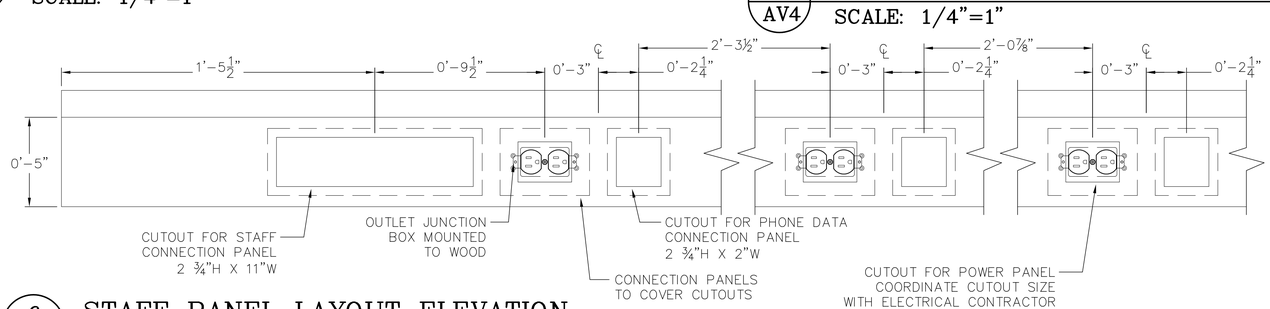
7 AV4 CLERKS DAIS PANEL LAYOUT ELEVATION
SCALE: 1/4"=1"



10 AV4 WITNESS LECTERN TOP ELEVATION
SCALE: 1/4"=1"



2 AV4 TYPICAL DAIS PANEL LAYOUT ELEVATION
SCALE: 1/4"=1"



6 AV4 STAFF PANEL LAYOUT ELEVATION
SCALE: 1/4"=1"

NOTE:
ALL PANEL CUTOUTS TO BE FIELD VERIFIED BY A/V CONTRACTOR BEFORE PURCHASING CUSTOM CONNECTION PANELS.

THIS DRAWING IS FOR A/V CONTRACTOR REFERENCE ONLY.

CITY OF NEWPORT OREGON

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937 S.W. 14th SUITE 101
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FURNITURE DETAILS

DRAWN BY: E. SHANNON
DATE: 01-30-02
SCALE: AS NOTED

COUNCIL CHAMBERS

DAIS AND WITNESS PANELS

AV 4

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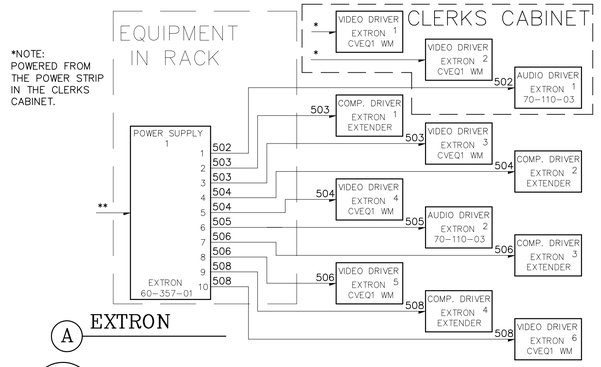
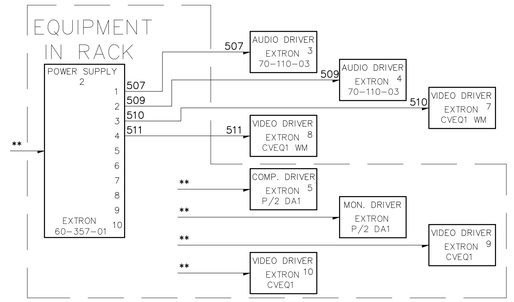
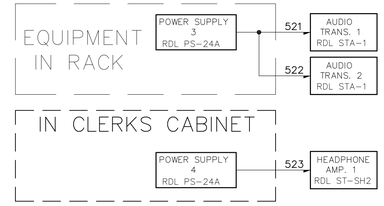






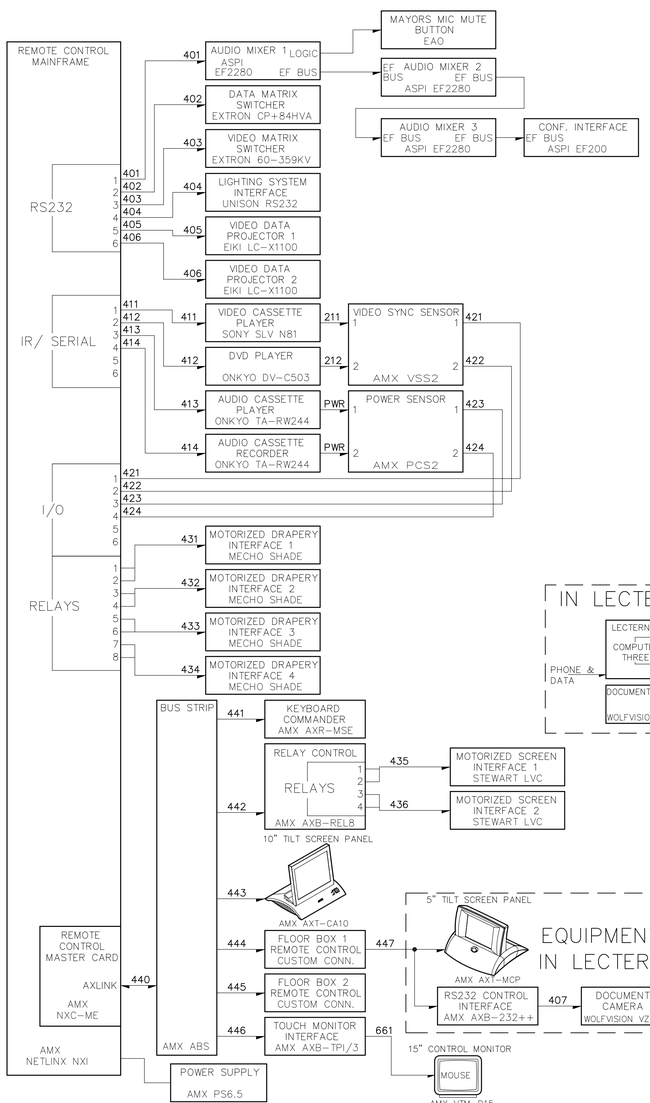
1 AV5 COUNCIL CHAMBERS 219 POWER WIRING

SCALE: NONE

DELTA	DESCRIPTION	LENGTH	BRAND	MODEL
1	MALE TO MALE VGA WITH AUDIO	12 FEET	EXTRON	26-490-03
2	FEMALE VGA TO 5 FEMALE BNC	6 INCHES	EXTRON	26-532-01
3	MALE VGA TO 5 MALE BNC	12 FEET	EXTRON	26-173-03
4	MALE TO MALE VGA WITH AUDIO	6 FEET	EXTRON	26-490-02
5	MALE TO FEMALE PS/2 CABLE	50 FEET*	NTI	VKEXT-50
6	PS/2 CABLE SUPPLIED W/ EQUIP.	6 FEET	SUPPLIED	W/ EQUIP.

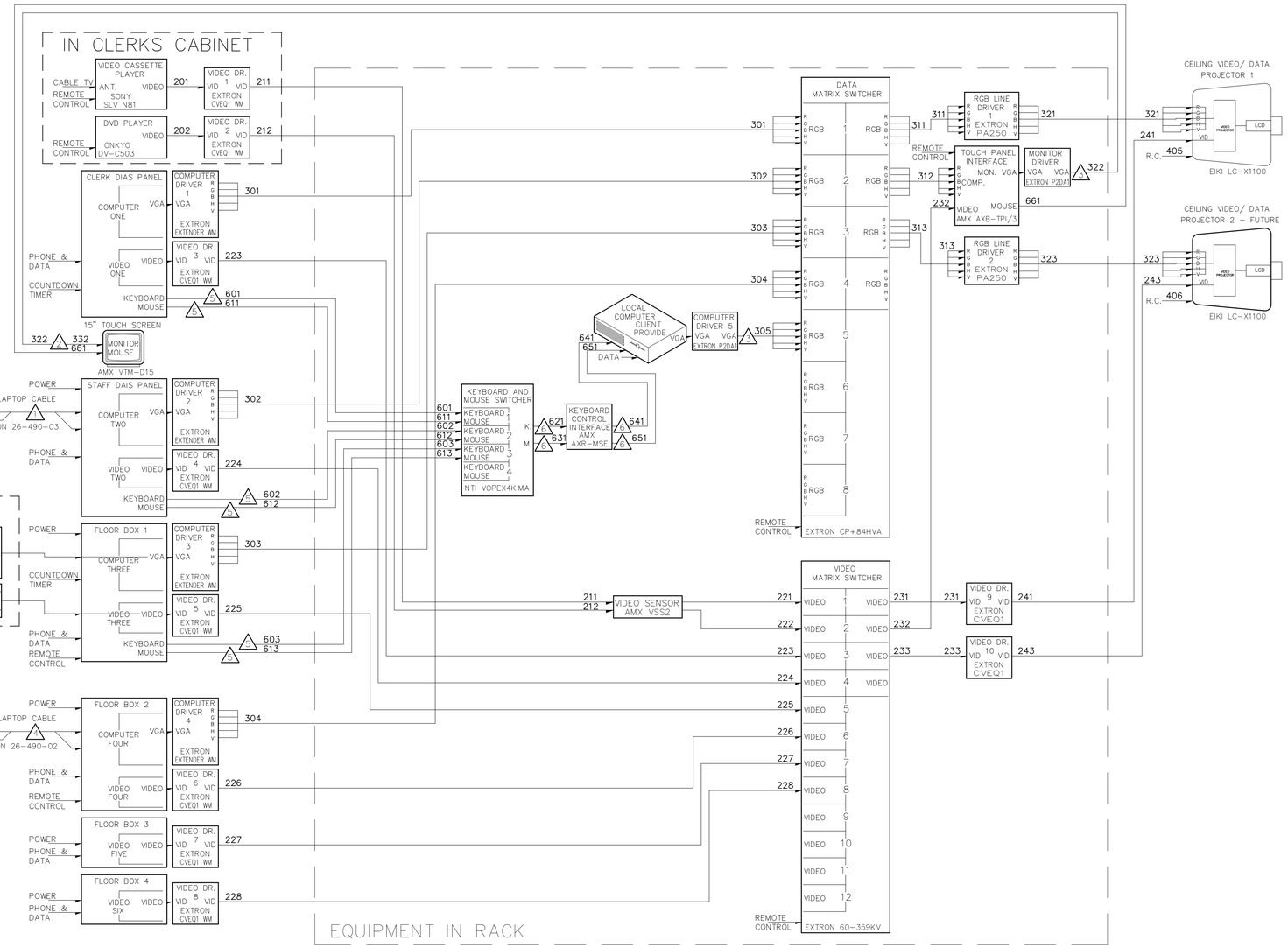
3 AV5 EXT. & ADAPTER CABLES LEGEND

SCALE: NONE



2 AV5 ROOM 219 REMOTE CONTROL WIRING

SCALE: NONE



4 AV5 COUNCIL CHAMBERS 219 VIDEO DATA WIRING DIAGRAM

SCALE: NONE

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WIRING DIAGRAMS

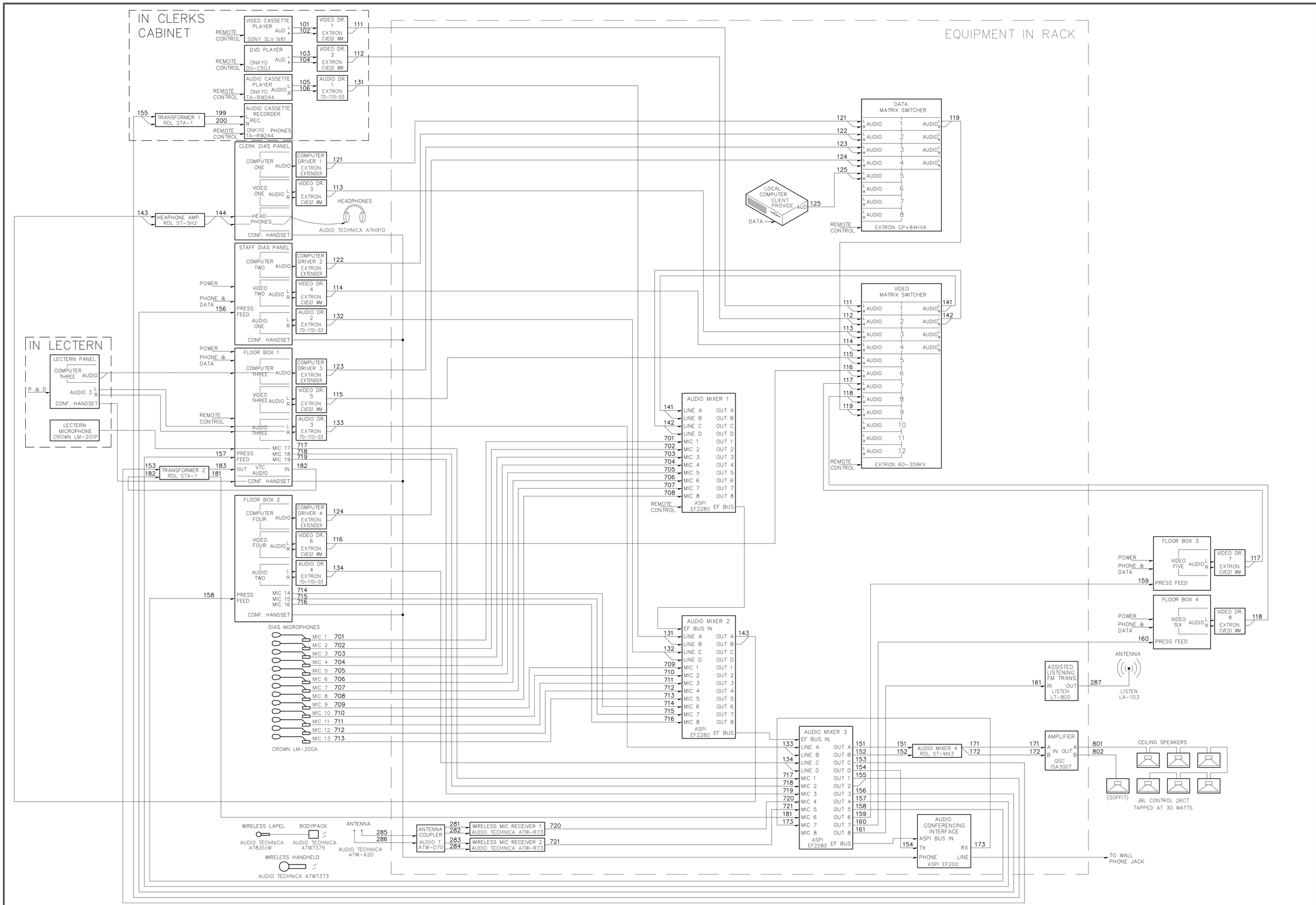
AS BUILT DRAWINGS

COUNCIL CHAMBERS

AV 5

SCALE: NONE | DATE: 02-08-02 | DRAWN BY: E. SHANNON

U:\SSD\02073\ACAD02073\AV5.DWG



1
AV6

COUNCIL CHAMBERS 219 AUDIO AND MICROPHONE WIRING DIAGRAM

SCALE: NONE

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AUDIO WIRING DIAGRAM

AV 6

SCALE NONE | DATE 02-08-02 | DRAWN BY E. SHANNON

COUNCIL CHAMBERS

AS BUILT DRAWINGS

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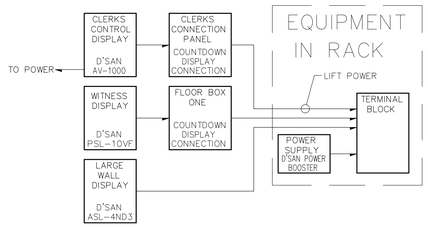
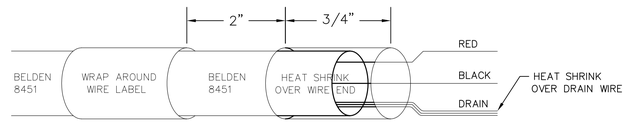


1 AV7 COUTDOWN TIMER WIRING

SCALE: NONE

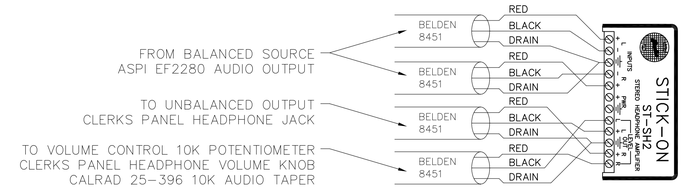
NOTE:
DETAIL AND NOTES ARE TYPICAL AND APPLY TO ALL WIRING.
USE CLEAR SHRINK ON DRAIN WIRE. APPLY ALL LABELS TO READ WITH TERMINATED END IN LEFT HAND. LABEL WIRE WITH A WRAP AROUND LABEL THAT READS:
LINE 1: WIRE NUMBER
LINE 2: SOURCE AND DESTINATION
LINE 3: WIRE NUMBER



3 AV7 TYP. WIRE SHRINK & LABEL DETAIL

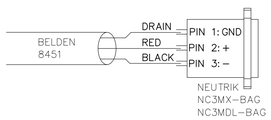
SCALE: NONE

NOTE:
RDL ST-SH2 WIRING FOR HEAPHONE AMPLIFIER. BALANCED AUDIO FROM ASPI EF2280 AUDIO MATRIX MIXER TO CLERKS HEADPHONES WITH VOLUME CONTROL.

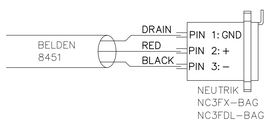


5 AV7 RDL HEADPHONE AMPLIFIER WIRING

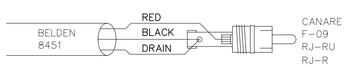
SCALE: NONE



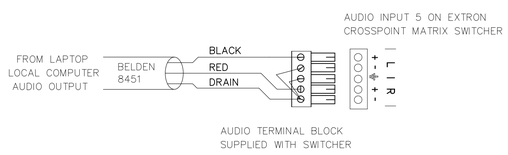
A AUDIO – 3 PIN XLR MALE



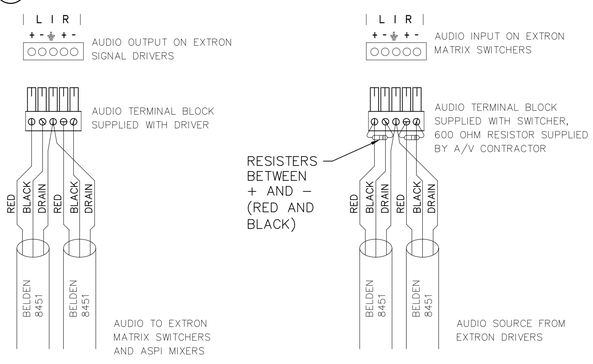
B MICROPHONE – 3 PIN XLR FEMALE



C LINE LEVEL AUDIO UNBALANCED RCA



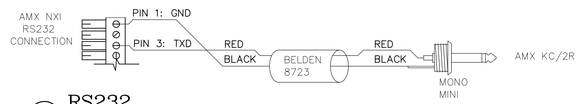
D LINE AUDIO UNBALANCED STEREO INPUT – EXTRON



E LINE LEVEL AUDIO BALANCED STEREO – EXTRON

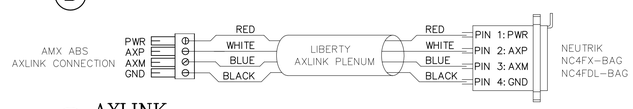
2 AV7 AUDIO CONNECTOR WIRING

SCALE: NONE

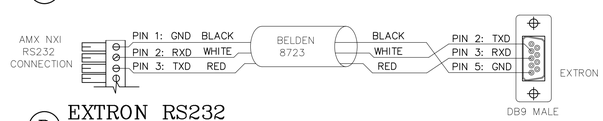


A RS232

B AXLINK



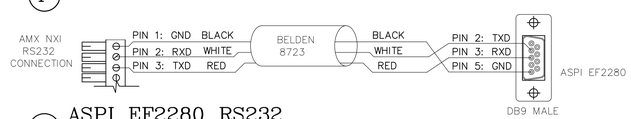
C AXLINK



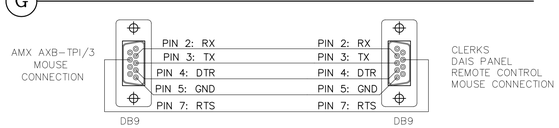
D EXTRON RS232

E LUTRON GRX-RS232 RS232

F EIKI LC-X1000 RS232



G ASPI EF2280 RS232

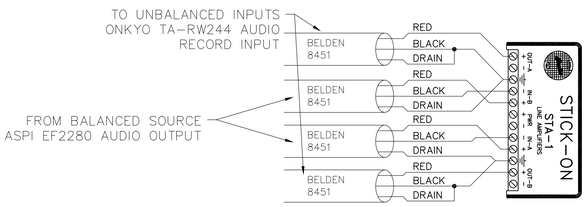


H AXB-TPI/3 MOUSE CONTROL

4 AV7 CONTROL CONNECTOR WIRING

SCALE: NONE

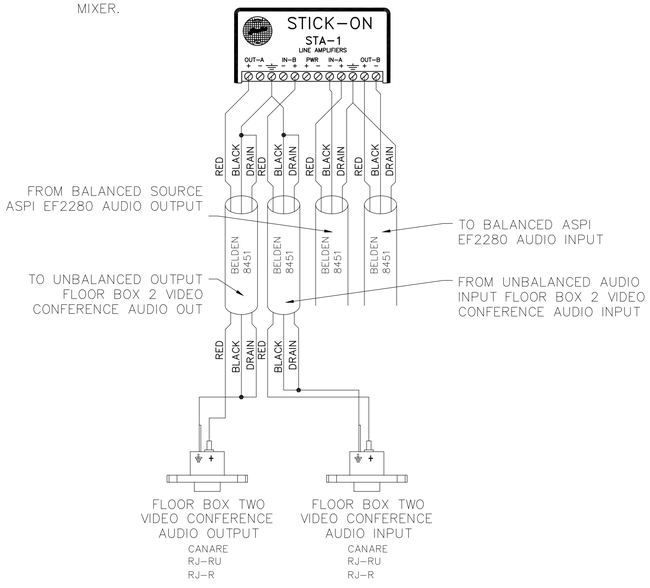
NOTE:
RDL STA-1 WIRING FOR TRANSFORMER 1. BALANCED AUDIO FROM ASPI EF2280 AUDIO MATRIX MIXER TO UNBALANCED INPUTS OF ONKYO TA-RW244 AUDIO CASSETTE RECORDER.



6 AV7 RDL TRANSFORMER 1 WIRING

SCALE: NONE

NOTE:
RDL STA-1 WIRING FOR TRANSFORMER 2.
CHANNEL A: BALANCED AUDIO FROM ASPI EF2280 AUDIO MATRIX MIXER TO UNBALANCED OUTPUT OF FLOOR BOX TWO, VIDEO CONFERENCE AUDIO OUT.
CHANNEL B: UNBLANCED AUDIO INPUT OF FLOOR BOX TWO, VIDEO CONFERENCE AUDIO IN TO BALANCED INPUT OF ASPI EF2280 AUDIO MATRIX MIXER.



7 AV7 RDL TRANSFORMER 2 WIRING

SCALE: NONE

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04-11-02	
09-01-02	

WIRING DIAGRAMS

AV 7

SCALE: NONE | DATE: 02-08-02 | DRAWN BY: E. SHANNON

COUNCIL CHAMBERS

AS BUILT DRAWINGS

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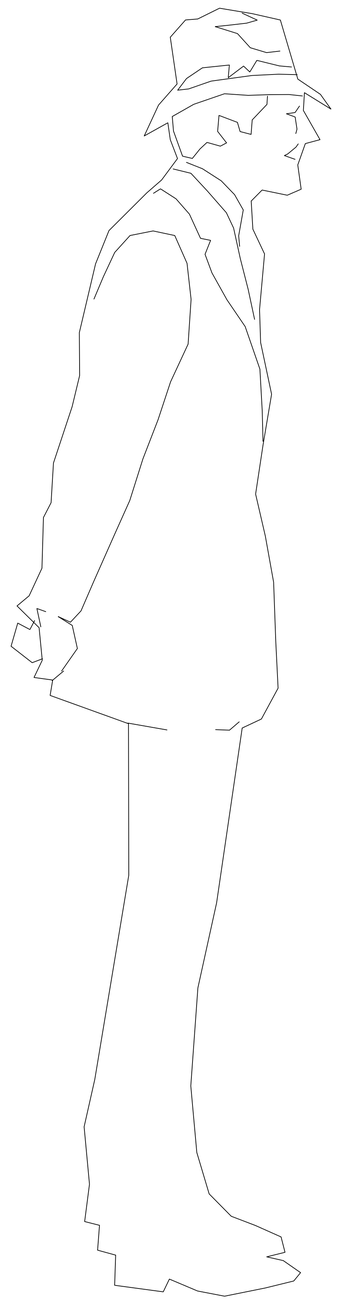
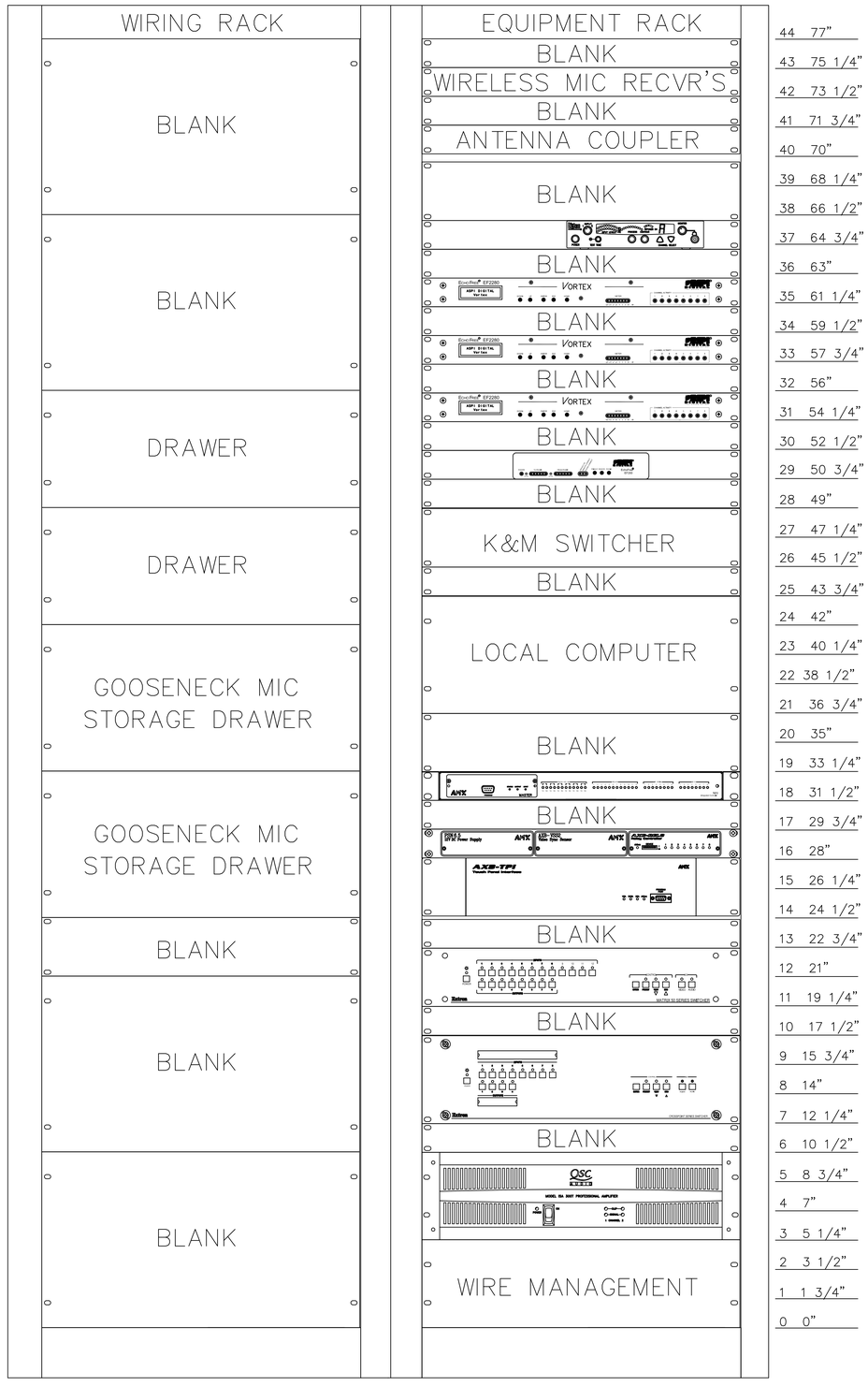
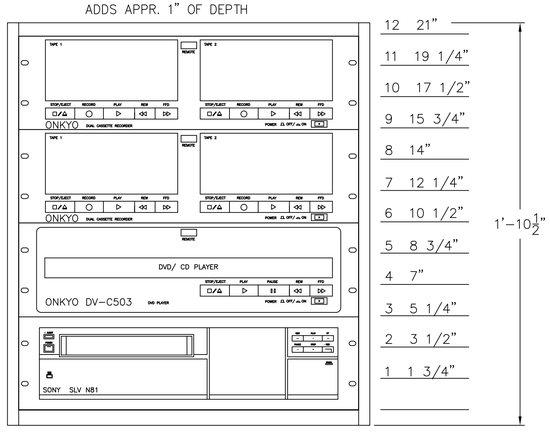




CLERK'S EQUIPMENT CABINET:
MIDDLE ATLANTIC BRK-12
22 ½"H X 20 ⅜"W X 18"D
PLEXIGLAS SECURITY DOOR:
MIDDLE ATLANTIC PSDR12
ADDS APPR. 1" OF DEPTH



1 / AV8 COUNCIL CHAMBERS 219 EQUIPMENT RACK AND DIAS TABLE EQUIPMENT CABINET ELEVATION
SCALE: 1/4"=1"

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EQUIPMENT RACK ELEVATIONS

SCALE 1/4"=1" | DATE 02-08-02 | DRAWN BY E. SHANNON

COUNCIL CHAMBERS

AS BUILT DRAWINGS

AV 8

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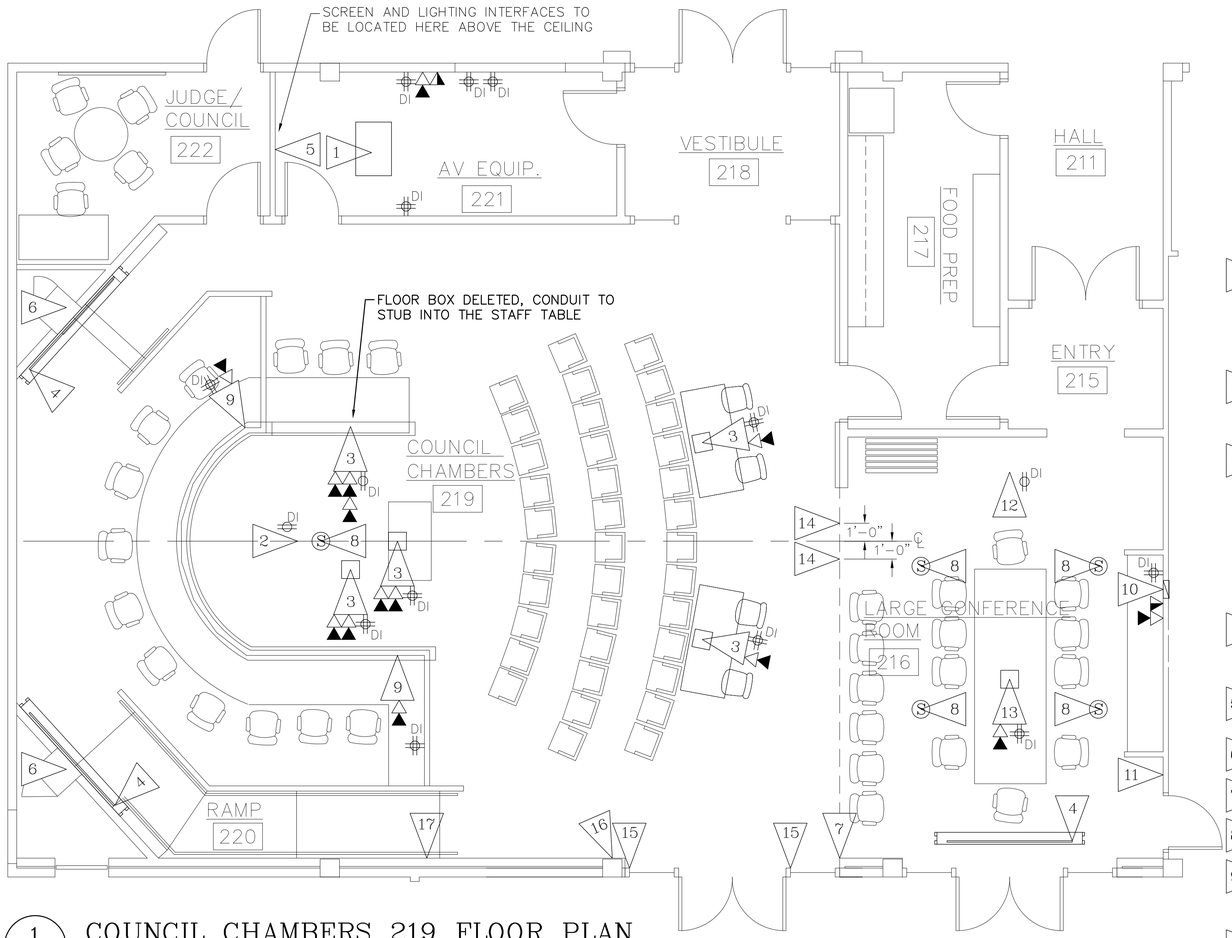
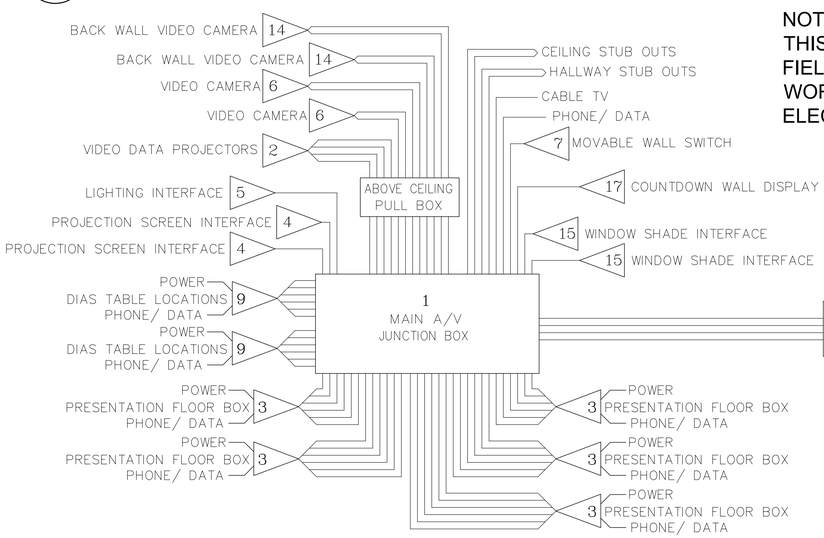


1 AVE1 COUNCIL CHAMBERS 219 FLOOR PLAN

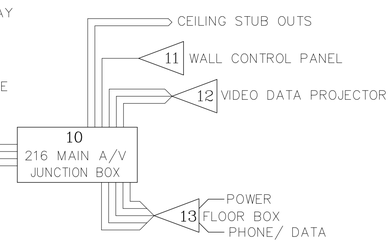
SCALE: 1/4"=1'-0"

NOTE:
THIS DRAWING IS FOR REFERENCE ONLY, FIELD VERIFY ALL CONDITIONS. THIS WORK IS COMPLETED BY GENERAL AND ELECTRICAL CONTRACTORS.



2 AVE1 COUNCIL CHAMBERS 219 CONDUIT RISER

SCALE: NONE



3 AVE1 CONFERENCE RM. 216 RISER

SCALE: NONE

GENERAL NOTES:

1. USE EMT FOR CONDUIT. AVOID USING FLEX FOR CONDUIT UNLESS SPECIFIED.
2. PROVIDE PULL STRING IN CONDUIT.
3. PROVIDE COVERS FOR ALL JUNCTION BOXES SPECIFIED.
4. POWER, PHONE AND DATA ARE TO USE OTHER CONDUIT AND NOT THE CONDUIT SPECIFIED HERE FOR A/V USE.

LEGEND:

- DUPLEX POWER OUTLET
- FOURPLEX POWER OUTLET
- CABLE TV / PHONE / DATA
- DI DUPLEX POWER OUTLET WITH DEDICATED CIRCUIT AND ISOLATED GROUND
- DI FOURPLEX POWER OUTLET WITH DEDICATED CIRCUIT AND ISOLATED GROUND

1 MAIN A/V JUNCTION BOX: Provide a 36"H X 24"W x 12"D junction box Circle AW Nema Type One with screw cover flush mounted in slab. Provide two (2) 1" conduits to stub out above the hallway ceiling. Provide two (2) 1" conduits to stub out above the Council Chamber t-bar ceiling. Provide four (4) fourplex power outlets on the wall with a dedicated circuit and an isolated ground each. Provide a phone, data and cable TV connection on the wall. Provide a 24"W X 24"H X 4"D pull junction box above the ceiling. Provide four (4) 2" and eight (8) 1" conduits between the pull box in the ceiling and the in-slab Main A/V Junction Box.

2 VIDEO DATA PROJECTORS: Provide a four gang junction box with a four gang mud ring flush mounted in the top of the projector cavity in the soffit. Provide four (4) 1" conduits to the Main A/V Junction Box. Provide a duplex power outlet flush mounted next to this junction box with a dedicated circuit and isolated ground on the same phase of power as the Main A/V Junction Box power outlet. Provide weight support in the soffit.

3 PRESENTATION FLOOR BOXES: Provide a Thomas & Betts AFM-8 floor box (verify color with architect) with two (2) AFP-8A power panels, eight (8) AFP-8B blank panels, an AFM-8PAR voltage separator panel, and a custom rough in housing to hold the AFM-8. Custom rough in housing is manufactured by and can be purchased through: D&S Electrical Contractors, P.O. Box 549, Clarkston, Washington 99403, phone 509-758-6642 fax 509-758-8446 ATTN: Dick Flerchinger. Provide six (6) 1" conduits from the rough in box to the Main A/V Junction Box. Provide a fourplex or duplex power outlet (refer to symbols on floorplan) with a dedicated circuit and isolated ground that is on the same phase of power as the Main A/V Junction Box power outlet. Provide phone and data connections (refer to symbols on floor plan for quantities) in the floor box, phone/ data contractor to provide cabling, connectors, and punched panels for the AFM-8 floor box. All conduit entering rough in box must be located in the bottom 2 inches of the box. Power must be in flex from rough-in box to the floor box insert. The custom rough-in box is not an electrical box but rather houses the AFM-8 floor box and allows cable passage.

4 MOTORIZED FRONT PROJECTION SCREEN: Provide one (1) 3/4" conduit from the low voltage interface of the projection screen to the Main A/V Junction Box. Control of the screen will be by the remote control system. General Contractor to install the client provide projection screen in the ceiling and the low voltage interface above the Main A/V Junction Box, Electrical Contractor to wire the power to the projection screen through the low voltage interface.

5 LIGHTING MASTER CONTROL LOCATION: Provide a lighting control dimming system capable of 4 lighting presets. Provide a low voltage control interface. Provide one (1) 3/4" conduit from the low voltage interface of the Lighting Control System to the Main A/V Junction Box.

6 VIDEO CAMERA: Provide one (1) 2" and one (1) 1" conduit to the Main A/V Junction Box from the Video Camera box. Locate the conduit stubs in the side of the camera box towards the back down low.

7 MOVABLE WALL SWITCH: Provide one (1) 3/4" conduit from the top of the movable wall to the Main A/V Junction Box.

8 CEILING SPEAKER: A/V Contractor to provide speaker and mounting hole.

9 DIAS TABLE LOCATIONS: Provide six (6) 1" conduits from the Main A/V Junction Box to stub out in the table leg next to the wireway. Provide a phone connection and a fourplex power outlet 2" below dais counter with a dedicated circuit and an isolated ground. Provide data and duplex power outlets for distribution around the table (budget for ten (10) duplex outlets and ten (10) phone and data connections total for the Dias Table).

10 CONF. RM. 216 MAIN A/V JUNCTION BOX: Provide a 12"H X 12"W x 4"D junction box Circle AW Nema Type One with screw cover flush mounted in the wall, coordinate height with cabinet manufacturer & A/V Contractor. Provide two (2) 1" conduits to stub out above the ceiling. Provide four (4) 1" conduits to the Main A/V Junction Box in the A/V Equip room 221. Provide a fourplex power outlet next to this junction box with a dedicated circuit and an isolated ground. Provide a phone, data and cable TV connection next to this junction box.

11 CONF. RM. 216 WALL CONTROL PANEL: Double gang junction box with a double gang mud ring flush mounted at standard light switch height. Provide one (1) 3/4" conduit to Conf. Rm. 216 Main A/V Junction Box.

12 CONF. RM. 216 VIDEO DATA PROJECTOR: Provide a three gang junction box with a three gang mud ring flush mounted in the Video Data Projector cavity in the ceiling soffit. Provide two (2) 1" and one (1) 3/4" conduits to Conf. Rm. 216 Main A/V Junction Box. Provide a duplex power outlet next to this junction box with a dedicated circuit and isolated ground on the same phase of power as Conf. Rm. 216 Main A/V Junction Box power outlet. Provide weight support in the soffit.

13 CONF. RM. 216 FLOOR BOX: Provide a Thomas & Betts AFM-8 floor box (verify color with architect) with two (2) AFP-8A power panels, eight (8) AFP-8B blank panels, an AFM-8PAR voltage separator panel, and a custom rough in housing to hold the AFM-8. Custom rough in housing is manufactured by and can be purchased through: D&S Electrical Contractors, P.O. Box 549, Clarkston, Washington 99403, phone 509-758-6642 fax 509-758-8446 ATTN: Dick Flerchinger. Provide five (5) 1" conduits from the rough in box to Conf. Rm. 216 Main A/V Junction Box. Provide a fourplex power outlet with a dedicated circuit and isolated ground that is on the same phase of power as Conf. Rm. 216 Main A/V Junction Box power outlet. Provide one phone and two data connections in the floor box, phone/ data contractor to provide cabling, connectors, and punched panels for the AFM-8 floor box. All conduit entering rough in box must be located in the bottom 2 inches of the box. Power must be in flex from rough-in box to the floor box insert. The custom rough-in box is not an electrical box but rather houses the AFM-8 floor box and allows cable passage.

14 BACK WALL VIDEO CAMERA: Provide a double gang junction box with a double gang mud ring flush mounted in the wall on top of the glu-lam beam. Provide one (1) 2" and one (1) 1" conduit from this junction box to the Main A/V Junction Box. Provide a minimum of 24" wood backing in the wall.

15 MOTORIZED WINDOW SHADES: Provide one (1) 3/4" conduit from the low voltage interface of the Motorized Window Shades to the Main A/V Junction Box. Control of the shades will be by the remote control system. General Contractor to install the client provide Motorized Window Shades at the windows and the low voltage interface above the Main A/V Junction Box, Electrical Contractor to wire the power to the window shade motors through the low voltage interfaces.

16 SHADES WALL CONTROL PANEL: Provide low voltage control panel compatible with the Motorized Window Shades flush mounted in the wall at standard light switch height. Electrical Contractor to wire the wall control panel to the low voltage control interface of the Motorized Window Shades and verify operation.

17 COUNTDOWN WALL DISPLAY: Provide a double gang junction box with a single gang mud ring flush mounted in the wall at 6'-11" AFF. Provide one (1) 3/4" conduit to the Main A/V Junction Box.

4 AVE1 ELECTRICAL REQUIREMENT NOTES

SCALE: NONE

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01-30-02	

ELECTRICAL LAYOUT

SCALE	DATE	DRAWN BY
AS NOTED	03-20-01	E. SHANNON

AV E 1

COUNCIL CHAMBERS

AUDIO VIDEO SYSTEMS

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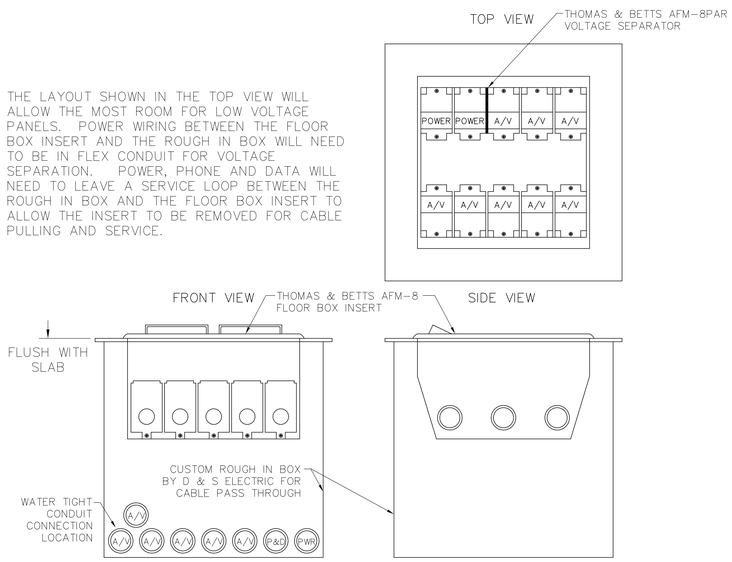
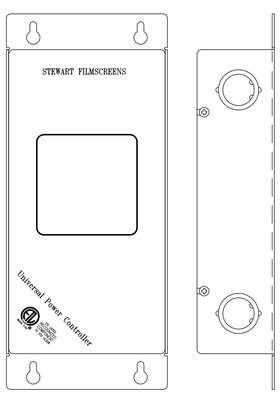
THE LAYOUT SHOWN IN THE TOP VIEW WILL ALLOW THE MOST ROOM FOR LOW VOLTAGE PANELS. POWER WIRING BETWEEN THE FLOOR BOX INSERT AND THE ROUGH IN BOX WILL NEED TO BE IN FLEX CONDUIT FOR VOLTAGE SEPARATION. POWER, PHONE AND DATA WILL NEED TO LEAVE A SERVICE LOOP BETWEEN THE ROUGH IN BOX AND THE FLOOR BOX INSERT TO ALLOW THE INSERT TO BE REMOVED FOR CABLE PULLING AND SERVICE.



1 AVE2 FLOOR BOX DETAIL
SCALE: 1/4"=1"



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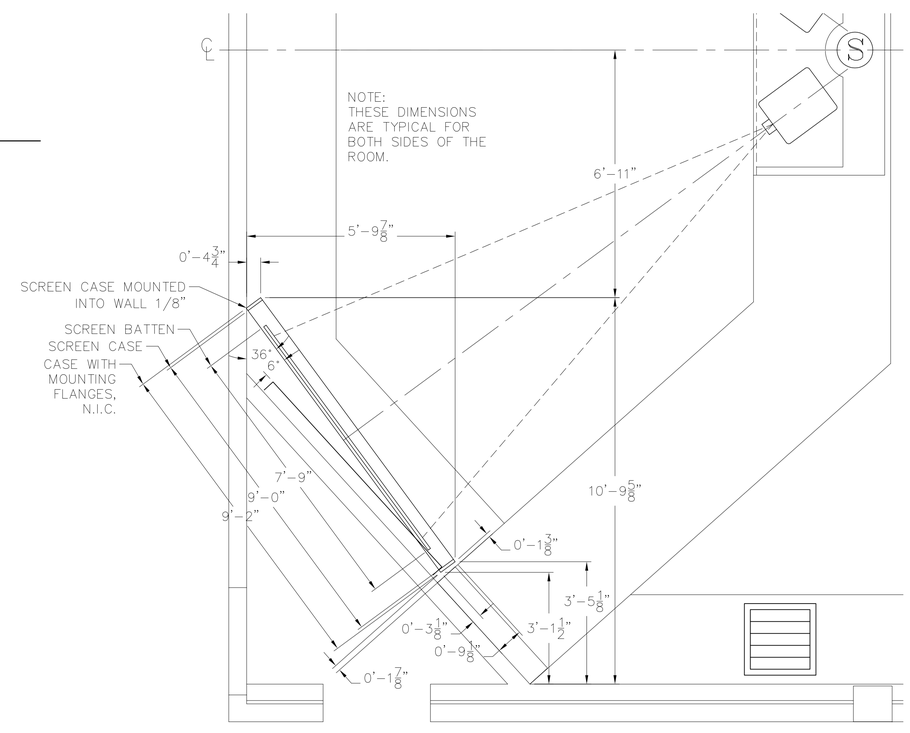
FRONT VIEW SIDE VIEW OPEN VIEW, NTS

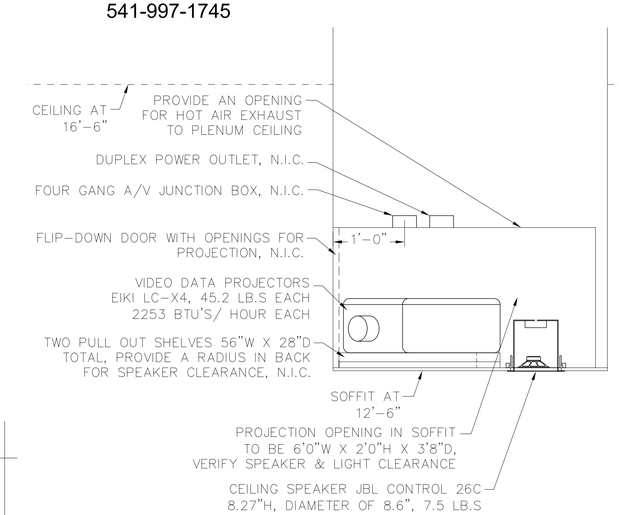
2 AVE2 MOTOR CONTROL INTERFACE DETAIL
SCALE: 1/2"=1"

NOTE:
THIS DETAIL IS FOR REFERENCE ONLY, FIELD VERIFY ALL CONDITIONS. THIS WORK IS COMPLETED BY GENERAL AND ELECTRICAL CONTRACTORS. PROJECTION SCREEN PROVIDED BY OTHERS.

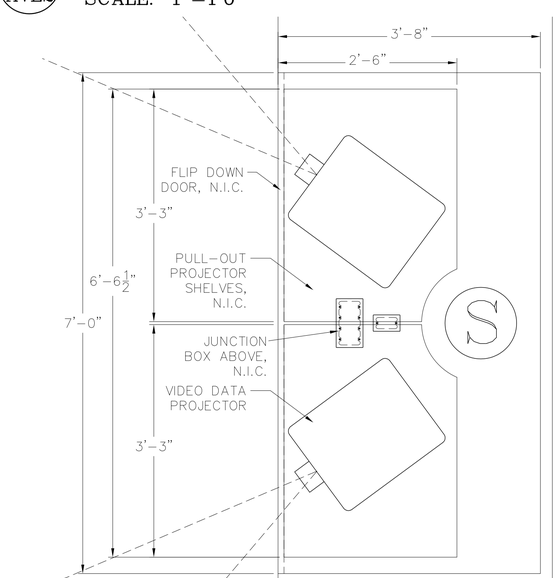


3 AVE2 SCREEN LOCATION DETAIL – PLAN
SCALE: 1/2"=1'-0"

NOTE:
A/V CONTRACTOR IS RESPONSIBLE FOR CUTTING THE PROJECTION HOLE IN THE SOFFIT DOOR. A/V CONTRACTOR IS TO USE:
OREGON HOME CENTER
KEN ORY
541-997-1745



6 AVE2 PROJECTION SOFFIT SECTION
SCALE: 1"=1'0"



7 AVE2 PROJECTION SOFFIT PLAN
SCALE: 1"=1'0"

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CONSTRUCTION DETAILS
SCALE AS NOTED | DATE 03-20-01 | DRAWN BY E. SHANNON
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AV E2

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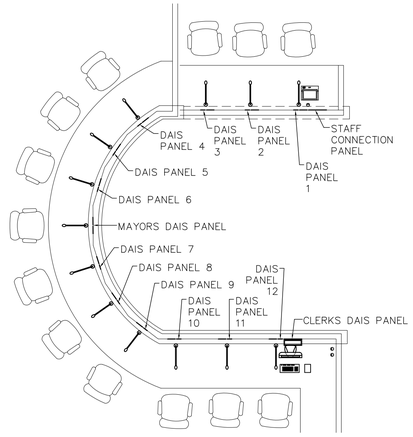
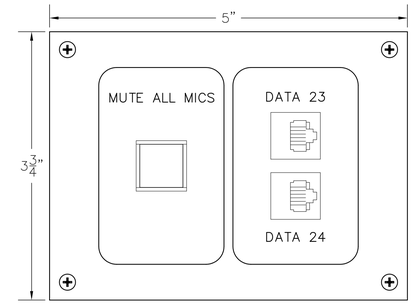


1 AVP1 DAIS PLAN VIEW – PANEL LOCATIONS DETAIL

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

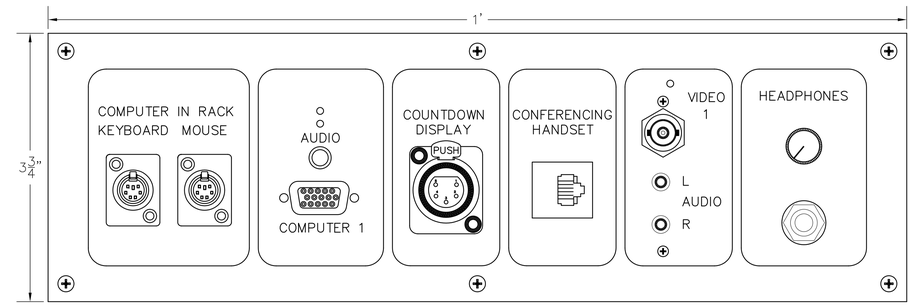
2 AVP1 DAIS PHONE DATA PANELS

SCALE: 1=1 QUANTITY OF 12



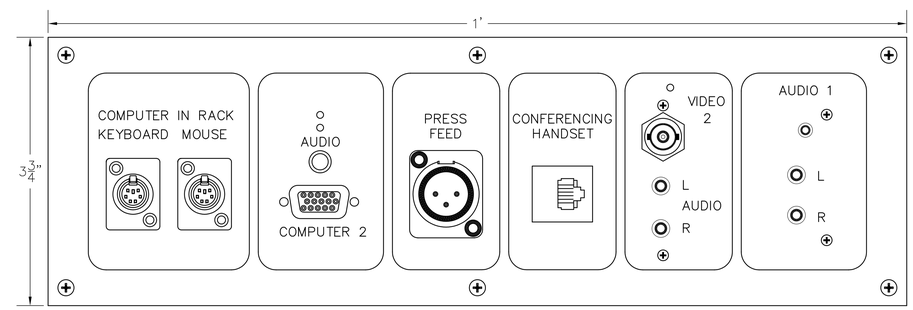
3 AVP1 MAYORS DAIS PANEL

SCALE: 1=1 QUANTITY OF 1



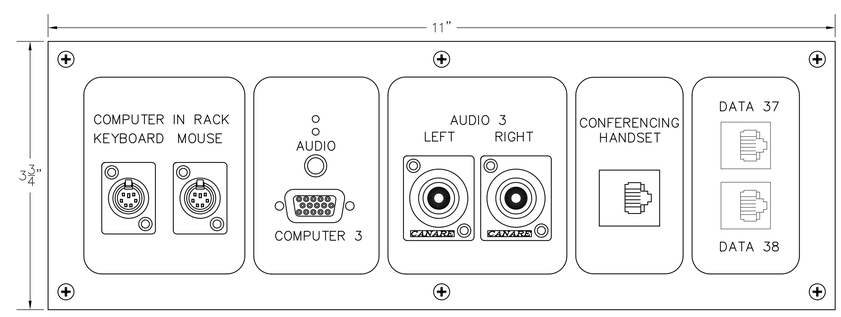
4 AVP1 CLERKS DAIS PANEL

SCALE: 1=1 QUANTITY OF 1



5 AVP1 STAFF CONNECTION PANEL

SCALE: 1=1 QUANTITY OF 1



6 AVP1 WITNESS LECTERN PANEL

SCALE: 1=1 QUANTITY OF 1

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CUSTOM PANELS

AV P1

SCALE 1=1 | DATE 05-21-02 | DRAWN BY E. SHANNON

COUNCIL CHAMBERS

DAIS AND WITNESS PANELS

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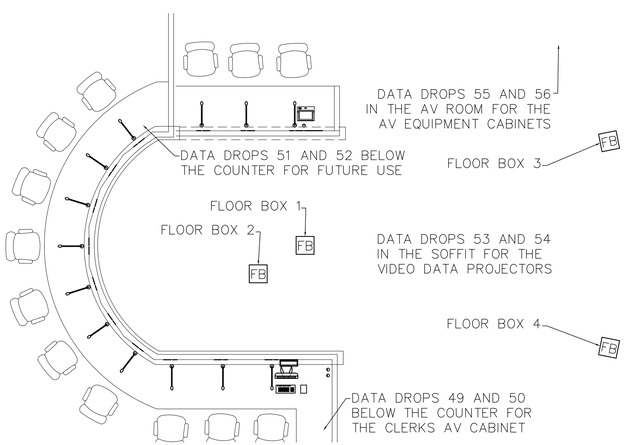
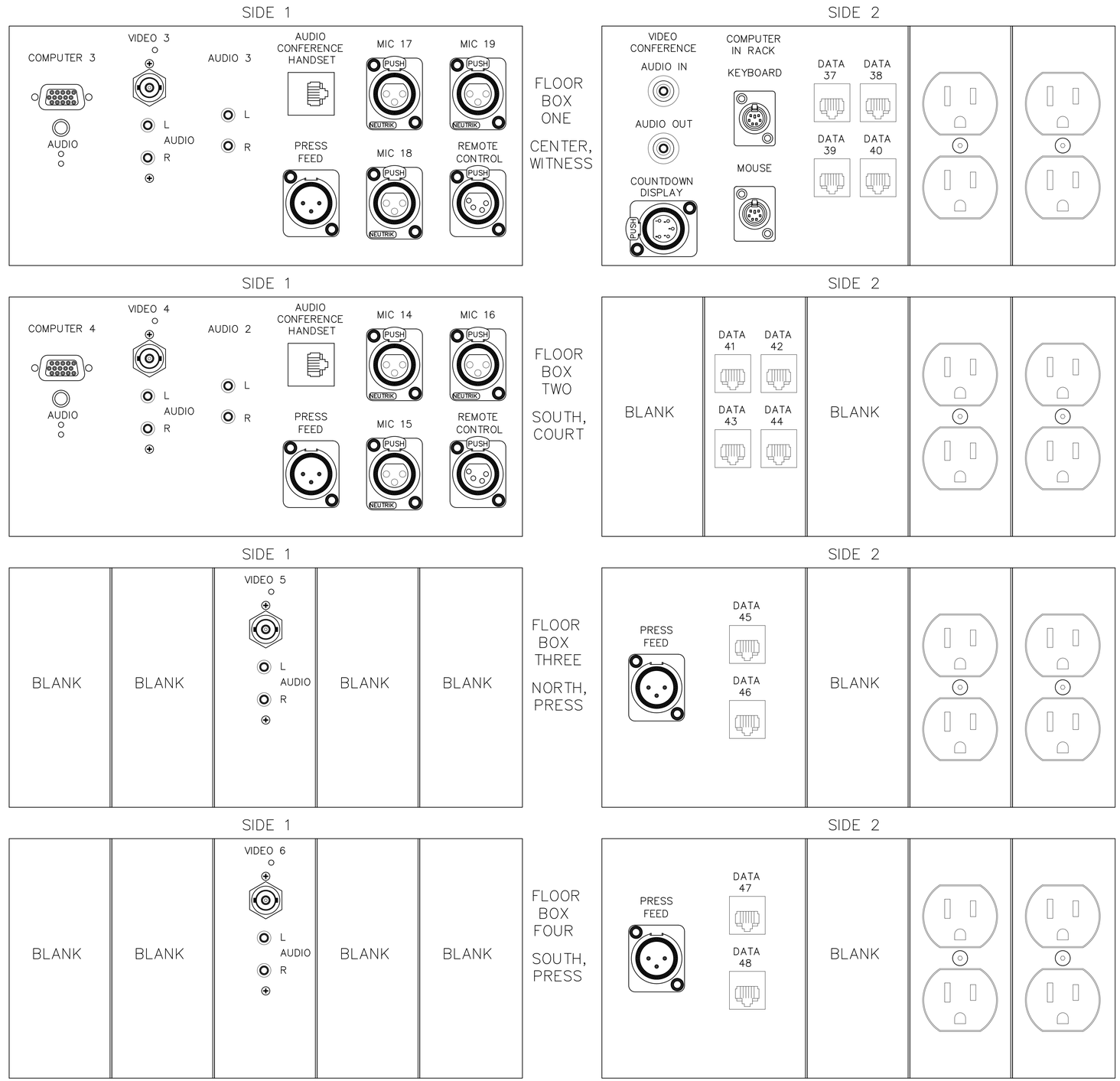
NOTE:
THE WITNESS LECTERN CONNECTION PANEL DATA DROPS 37 AND 38 WILL BE WIRED TO FLOOR BOX 1 DATA DROPS 37 AND 38.



1 AVP2 PLAN VIEW – FLOOR BOX LOCATIONS DETAIL
SCALE: 1/4"=1'-0"



2 AVP2 COUNCIL CHAMBERS 219 FLOOR BOX CONNECTION PANELS
SCALE: 1=1 QUANTITY OF 1 EACH

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FLOOR BOX PANELS

SCALE	DATE	DRAWN BY
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COUNCIL CHAMBERS
AUDIO VIDEO SYSTEMS

AV P2

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