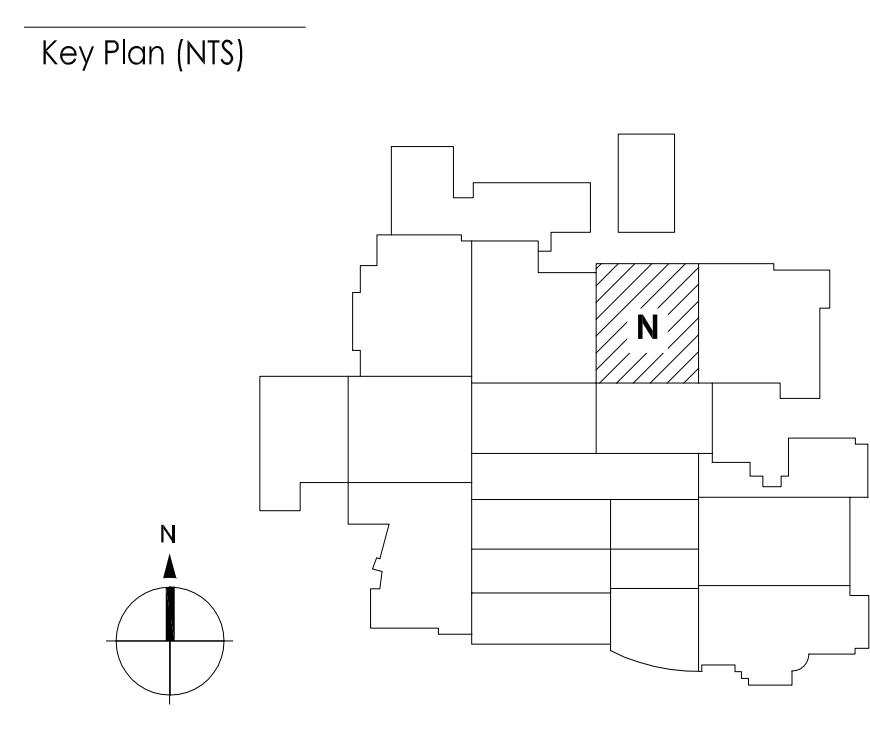




Notes

AUDIOVISUAL DATA DROP REQUIREMENTS (BY DATA/TELECOM)		
DEVICE / LOCATION	QTY AT EACH LOC.	ADDITIONAL NOTES
TV-H	1	TERMINATE (1) DATA OUTLET ADJACENT TO EACH "TV" PLATE
AV1	8	(8) DATA OUTLETS ADJACENT TO EQUIPMENT RACK "AV1"
VI-H	2	TERMINATE (2) DATA OUTLETS ADJACENT TO "VI" PLATE

AUDIOVISUAL SYSTEM DEVICE LEGEND		
AG-H	ENCLOSURE: 6" X 6" X 6" NEMA TYPE 1 BOX MOUNTING: FLUSH AT 18" A.F.F. PANEL: BUILDING STANDARD BLANK COVER DEVICE(S): AV CABLE PULL BOX	
AP-H	ENCLOSURE: 6" X 6" X 6" NEMA TYPE 1 BOX MOUNTING: FLUSH AT 18" A.F.F. PANEL: CUSTOM DEVICE(S): AUDIO TIE-LINES	
AV1	ENCLOSURE: FLOOR MOUNTED RACK (BY DIV. 27) MOUNTING: SEE F3AV004 PANEL: N/A DEVICE(S): AUDIOVISUAL EQUIPMENT RACK (SEE POWER RISER FOR ASSOCIATED POWER REQUIREMENTS)	
CA-H	ENCLOSURE: 6" X 6" X 6" NEMA TYPE 1 BOX MOUNTING: FLUSH MOUNTED AT HEIGHT INDICATED ON DRAWINGS PANEL: BLANK DEVICE(S): INPUT FOR FUTURE PTZ CAMERA	
IC-H	ENCLOSURE: 1-GANG, 3-1/2" DEEP BOX MOUNTING: FLUSH AT 18" A.F.F. UNLESS OTHERWISE NOTED PANEL: CUSTOM DEVICE(S): 2 CHANNEL PRODUCTION INTERCOM	
DA-H	ENCLOSURE: 1-GANG, 3-1/2" DEEP BOX MOUNTING: FLUSH AT 6" ABOVE TOP OF DOOR PANEL: CUSTOM DEVICE(S): ON-AIR SIGN	
S1-H	ENCLOSURE: 1-GANG, 3-1/2" DEEP BOX MOUNTING: FLUSH MOUNTED AT 8' AFF PANEL: 1-GANG CUSTOM DEVICE(S): WALL-MOUNTED MONITOR LOUDSPEAKER	
S2-H	ENCLOSURE: 1-GANG, 3-1/2" DEEP BOX MOUNTING: FLUSH MOUNTED AT 8' AFF PANEL: 1-GANG CUSTOM DEVICE(S): WALL-MOUNTED MONITOR LOUDSPEAKER	
TV-H	ENCLOSURE: 2-GANG, 3-1/2" DEEP BOX MOUNTING: FLUSH MOUNTED AT 8' AFF PANEL: 2-GANG CUSTOM DEVICE(S): VIDEO DISPLAY	
V-H	ENCLOSURE: 2-GANG, 3-1/2" DEEP BOX MOUNTING: FLUSH MOUNTED AT 48" A.F.F. PANEL: 2-GANG CUSTOM DEVICE(S): 70V VOLUME CONTROL	
VI-H	ENCLOSURE: 6" X 6" X 6" NEMA TYPE 1 BOX MOUNTING: FLUSH MOUNTED AT 18" A.F.F. PANEL: CUSTOM DEVICE(S): VIDEO INPUT PLATE	
WA	ENCLOSURE: 2-GANG, 3-1/2" DEEP BOX MOUNTING: FLUSH MOUNTED IN CEILING PANEL: CUSTOM PLATE DEVICE(S): WIRELESS ACCESS POINT	
WI-H	ENCLOSURE: 3-GANG, 3-1/2" DEEP BOX MOUNTING: FLUSH MOUNTED IN WALL AT 10' AFF PANEL: 3-GANG CUSTOM DEVICE(S): MAIN WIRELESS MIC ANTENNA	
W2-H	ENCLOSURE: 1-GANG, 3-1/2" DEEP BOX MOUNTING: FLUSH MOUNTED IN WALL AT 10' AFF PANEL: BLANK DEVICE(S): FUTURE PRODUCTION INTERCOM WIRELESS ANTENNA	
	CABLE TRAY: COOPER B-LINE KWN8PLCE ALUMINUM LADDER TYPE OR EQUAL COMPLETE WITH ALL REQUIRED MOUNTING HARDWARE. PROVIDE 12" WIDE TRAY WITH 4" HIGH SIDES	
	CABLE TRAY: COOPER B-LINE FLEXTRAY OR EQUAL COMPLETE WITH ALL REQUIRED MOUNTING HARDWARE. SEE DRAWINGS FOR CABLE BASKET SIZE.	
	SPECIFIED TECHNOLOGIES INC MODEL EZ-PATH SMOKE AND ACoustICAL PATHWAY - ACoustically isolated cable pass-through. Pathway to be 4.5" X 4.5". Wall mount in locations and heights shown in drawings. Provide EZ-PATH GANG PLATES, AS INDICATED	

 ALL ABOVE AUDIOVISUAL DEVICES ARE PROVIDED AND
 INSTALLED UNDER DIVISION 26 UNLESS NOTED OTHERWISE

 1 ADDENDUM #1
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 2017.08.11 YYYY.MM.DD

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 Issue
 2017.07.28 YYYY.MM.DD

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 Client/Project
RICHARDSON ISD

 RICHARDSON HS ADDITION &
 RENOVATIONS
 1250 W BELT LINE RD,
 RICHARDSON, TX 75080

 Title
**AUDIOVISUAL GENERAL NOTES AND
 LEGEND**

 Project No.
 214000493
 Revision
 Scale
 AS INDICATED
 Drawing No.

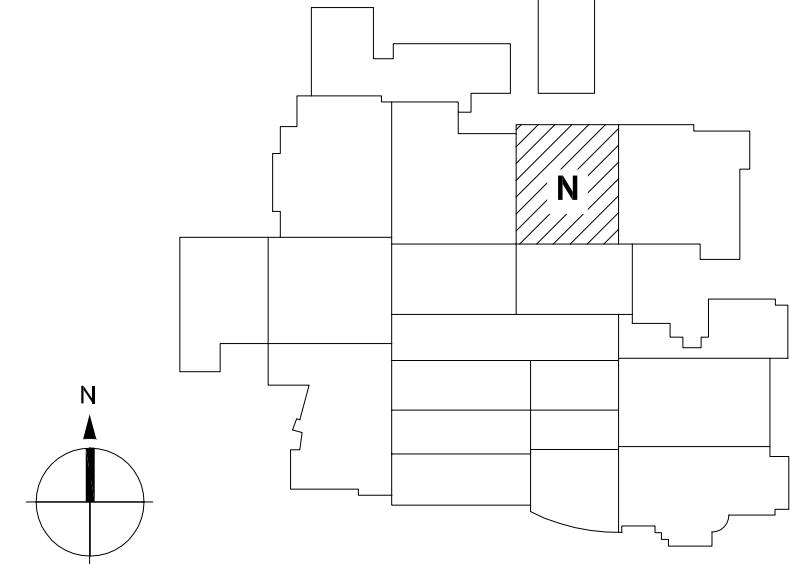
AV001
BID PACKAGE 04

ELECTRICAL & CONDUIT INSTALLATION NOTES (DIV. 26)		
1. ALL 120/240 VAC POWER CONDUCTORS, POWER DISTRIBUTION PANELS, JUNCTION BOXES, TERMINAL PANELS, CONDUITS, WIREWAYS, POWER RECEPTACLES AND ALL OTHER DEVICES ASSOCIATED WITH 120/240 VAC POWER CIRCUITS SHALL BE FURNISHED, INSTALLED AND TERMINATED UNDER DIVISION 26 UNLESS OTHERWISE NOTED.	12. CAULK OR OTHERWISE SEAL ALL PENETRATIONS THROUGH ACOUSTICAL PARTITIONS AND BARRIERS.	24. ALL CONDUIT THAT RUNS THROUGH SPACES WITH EXPOSED CEILING AREAS WILL RUN ALONG STRUCTURAL SUPPORTS AND BEAMS; NOT ACROSS EXPOSED AREAS BETWEEN STRUCTURAL SUPPORTS AND BEAMS.
2. ALL CONDUIT BACK BOXES, CABLE TRAY, AND CABLE BASKETS SHOWN IN AV DRAWING IS FOR AUDIO/VIDEO SYSTEM SIGNAL CABLE AND IS NOT RELATED TO ANY CONDUIT FOR AC POWER. ALL AUDIO/VIDEO SYSTEM CONDUIT, BACKBOXES, CABLE TRAY, AND CABLE BASKETS BY DIVISION 26.	13. ELECTRICAL CONTRACTOR SHALL REFER TO ELECTRICAL DRAWINGS FOR ALL 120/240 VAC CONDUIT SIZING.	25. ALL CONDUIT AND JUNCTION BOXES WILL BE PAINTED TO MATCH THE FINAL STRUCTURE COLOR. VERIFY FINAL COLOR SELECTION IN EACH AREA WITH THE ARCHITECT.
3. ALL CONDUIT IS 1" EMT UNLESS OTHERWISE NOTED.	14. ELECTRICAL CONTRACTOR SHALL REFER TO OTHER DRAWINGS FOR NON-AUDIO/VIDEO SYSTEM RELATED ELECTRICAL INFORMATION FOR THESE AREAS. AUDIO/VIDEO SYSTEM DRAWINGS DO NOT CONTAIN ALL ROOM ELECTRICAL REQUIREMENTS.	26. IN THE EVENT THE AV CONTRACT DOES NOT PROCEED, PROVIDE COVER PLATES FOR ALL JUNCTION BOXES.
4. ALL CONDUIT CONNECTIONS SHALL BE FURNISHED WITH NYLON BUSHINGS TO PREVENT DAMAGE TO CABLES FROM BURRED OR UNEVENLY CUT CONDUIT.	15. ALL POWER CIRCUITS SHALL BE 120VAC, 20 AMP DEDICATED CIRCUITS UNLESS OTHERWISE NOTED.	27. REFER TO AV CONDUIT RISER FOR DISTANCE LIMITATIONS ON SPECIFIC CONDUIT RUNS.
5. USE NONMETALLIC FLEX CONDUIT TO CONNECT CONDUIT TO EQUIPMENT RACKS, TO INSULATE CONDUIT GROUND FROM EQUIPMENT RACK GROUND SYSTEM.	16. ELECTRICAL CONTRACTOR SHALL LABEL ALL CIRCUIT BREAKER POSITIONS IN ALL BREAKER PANELS.	28. CLEARLY LABEL ALL CONDUIT AT PULL BOXES AND TERMINATION POINTS.
6. KEEP 90° BENDS TO A MINIMUM. THE CONDUIT SYSTEM SHALL NOT HAVE MORE THAN THREE 90° BENDS OR THEIR EQUIVALENT BETWEEN PULL BOXES.	17. INSTALL SEPARATE DEDICATED NEUTRAL CONDUCTOR FROM POWER DISTRIBUTION PANEL FOR EACH INDIVIDUAL CIRCUIT.	
7. ALL PULL BOXES AND OUTLET BOXES SHALL BE AT LEAST 3-1/2" DEEP.	18. ALLOW MINIMUM 20% SPARE BREAKERS FOR EACH POWER DISTRIBUTION PANEL.	
8. ALL CONDUIT RUNS IN EXCESS OF 100 FEET SHALL HAVE INTERMEDIATE JUNCTION BOXES EVERY 100 FEET OR THREE BENDS, WHICHEVER COMES FIRST.	19. 120/240 VAC POWER TO THE EQUIPMENT RACKS SHALL BE TERMINATED INSIDE THE RACKS TO AUDIO/VIDEO SYSTEM SUBCONTRACTOR-SUPPLIED ISOLATED GROUND PLUGMOLD PLUGSTRIPS OR ISOLATED GROUND QUAD CONVENIENCE OUTLETS.	
9. ALL AUDIO/VIDEO SYSTEM RELATED JUNCTION BOXES SHALL REMAIN ACCESSIBLE AT ALL TIMES.	20. CLEARLY LABEL BREAKER PANEL DOOR "AUDIO/VIDEO SYSTEM EQUIPMENT ONLY".	
10. INSTALL NYLON PULL STRINGS IN ALL EMPTY CONDUITS.	21. RECESSED LOUDSPEAKER ENCLOSURES AND FLOOR POCKETS SHALL BE FURNISHED BY THE AUDIO/VIDEO SYSTEMS CONTRACTOR AND BE INSTALLED UNDER DIVISION 26.	
11. THE ELECTRICAL CONTRACTOR SHALL INSTALL AND WIRE ALL HIGH VOLTAGE DEVICES, UNLESS OTHERWISE NOTED.	22. REFER TO "RELATED WORK IN OTHER SECTIONS" IN AUDIO/VIDEO SYSTEM SPECIFICATIONS FOR ADDITIONAL INFORMATION.	
	23. CONDUIT WILL BE REQUIRED BETWEEN ANY AND ALL LOUDSPEAKERS UNLESS THE LOUDSPEAKERS ARE ASSOCIATED WITH AN ACCESSIBLE CEILING PLENUM. WIRE NOT INSTALLED IN EQUIPMENT RACKS, NOT PORTABLE, OR NOT INSTALLED IN CONDUIT SHALL BE FIRE-RATED AND MEET ALL APPLICABLE CODES.	



Notes

Key Plan (NTS)



2 ASI-17
1 ADDENDUM #1
Revision
2018.03.14
2017.08.11
By Appd
YYYY.MM.DD

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Issue
YYYY.MM.DD


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Client/Project
RICHARDSON ISD

RICHARDSON HS ADDITION &
RENOVATIONS
1250 W BELT LINE RD,
RICHARDSON, TX 75080

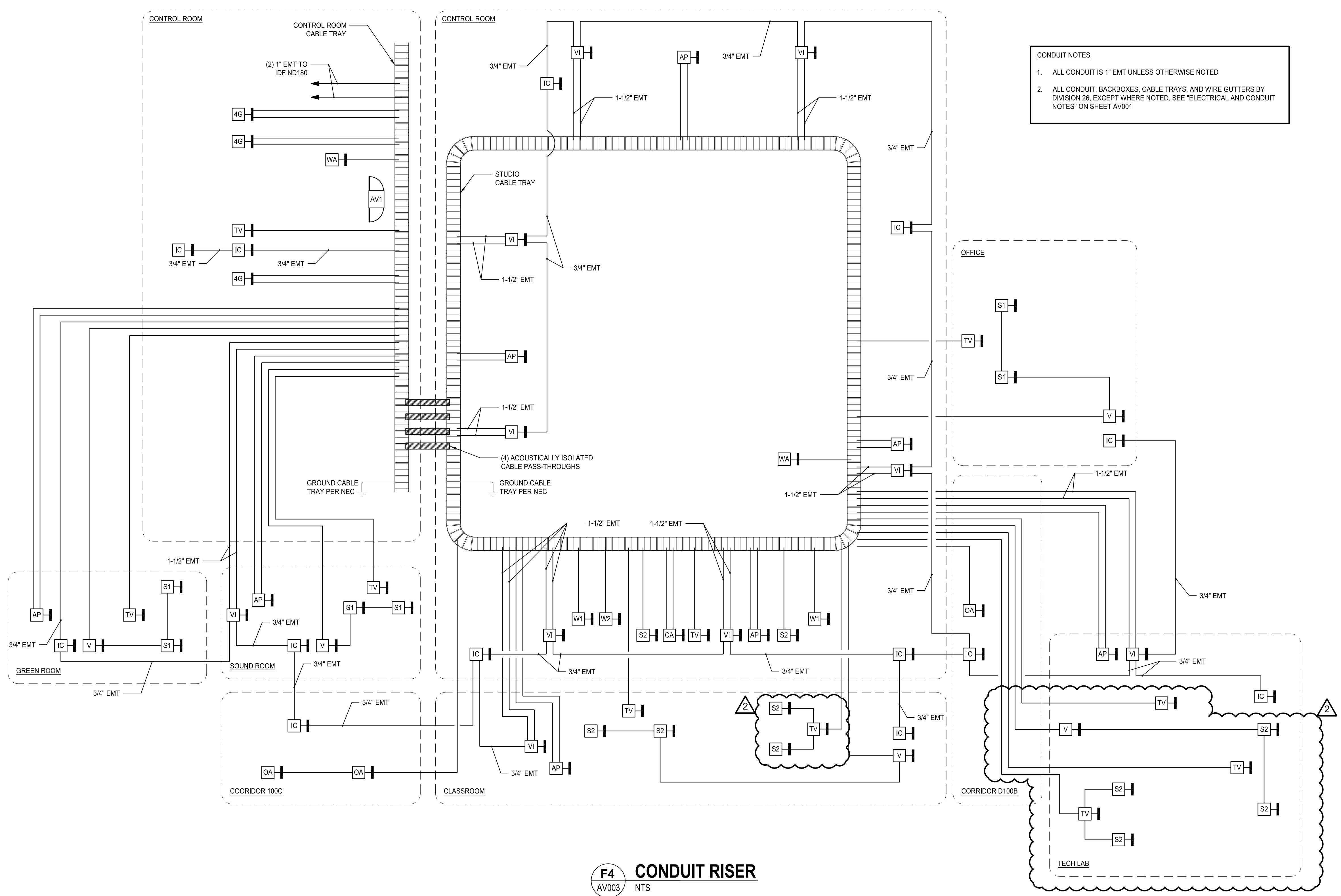
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AUDIOVISUAL POWER RISER AND
DETAILS
Project No.
21400493
Revision
Scale
AS INDICATED
Drawing No.

AV002
BID PACKAGE 04





Notes



F4 CONDUIT RISER
AV003 NTS

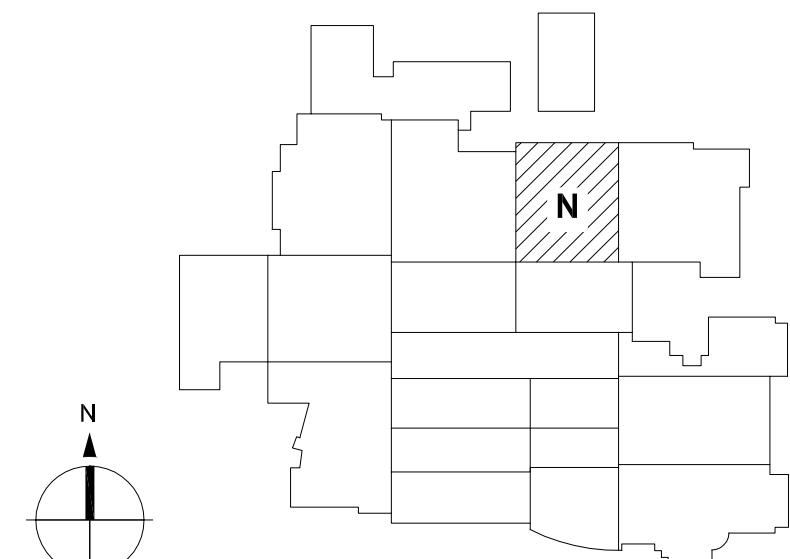
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Revision Drawing No.



Notes

Key Plan (NTS)



2 ASH-17
1 ADDENDUM #1
Revision

2018.03.14
2017.08.11
By Appd
YYYY.MM.DD

BID PACKAGE 04
Issue

2017.07.28
YYYY.MM.DD

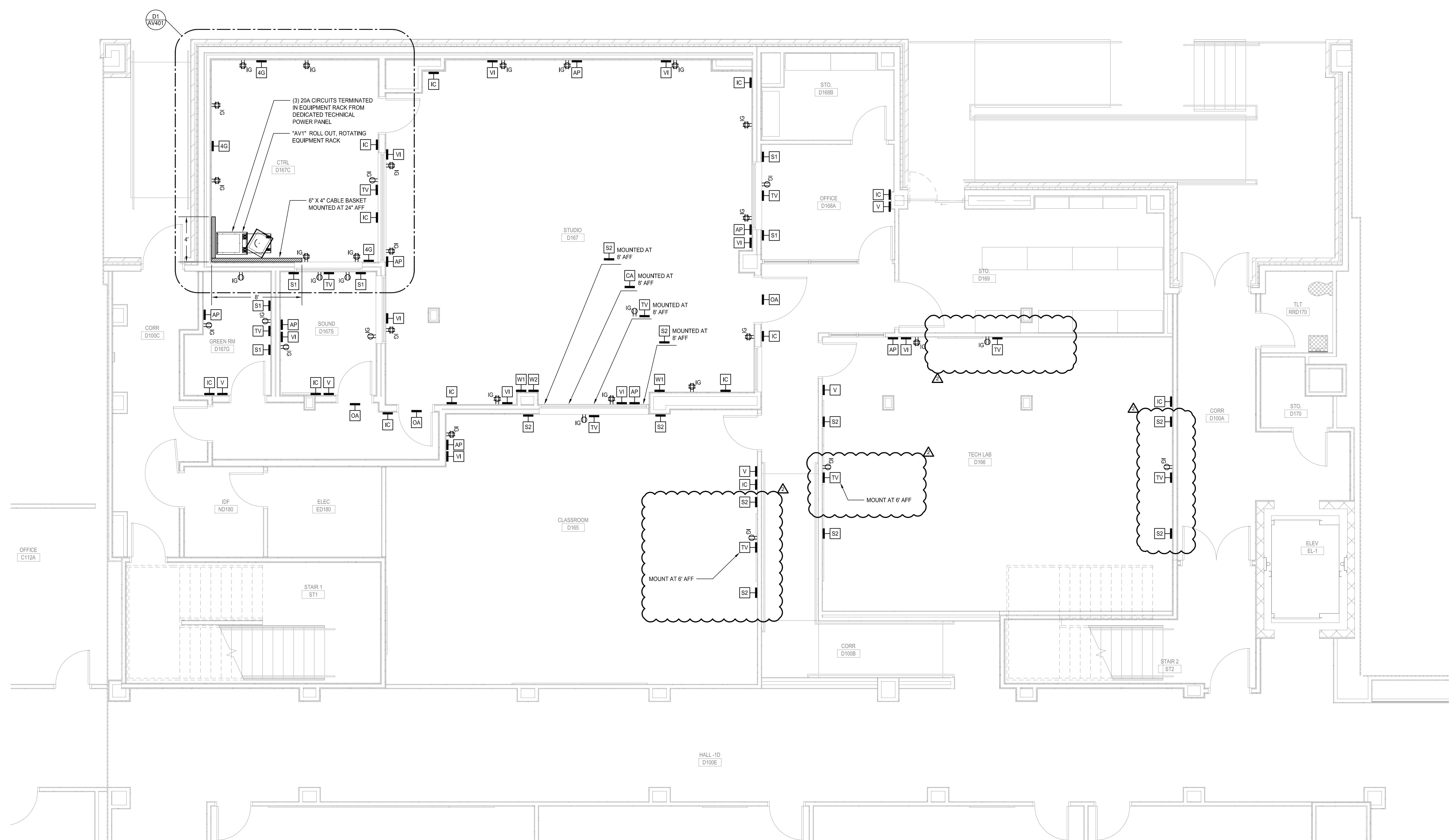
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Client/Project
RICHARDSON ISD

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RENOVATIONS
1250 W BELT LINE RD,
RICHARDSON, TX 75080

Title
AUDIOVISUAL DEVICES FLOOR PLAN -
LEVEL 1 - PARTIAL AREA "N"
Project No. 21400493
Revision
Scale AS INDICATED
Drawing No.

AV110
BID PACKAGE 04

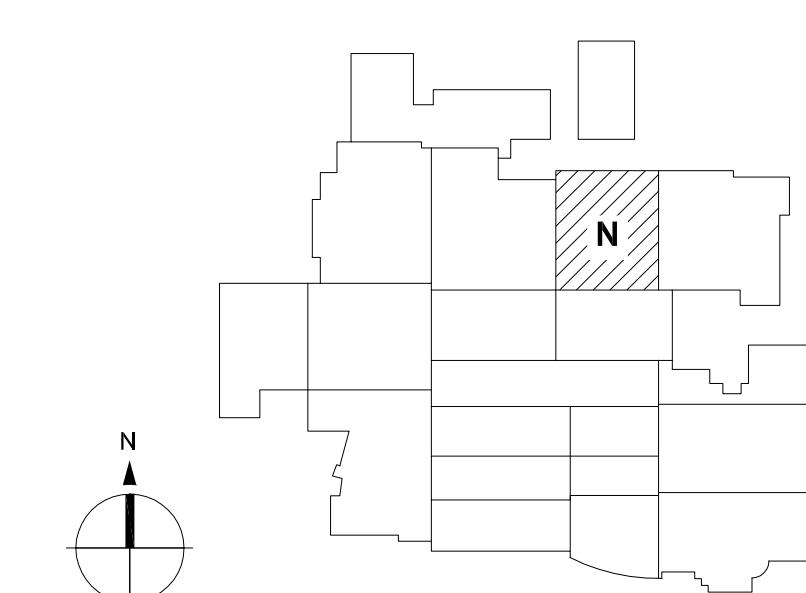


E4
AV110 1/4" = 1'-0"
AUDIOVISUAL DEVICES FLOOR PLAN - LEVEL 1 - PARTIAL AREA "N"



Notes

Key Plan (NTS)


 Revision _____
 By _____ Appd. YYYY.MM.DD

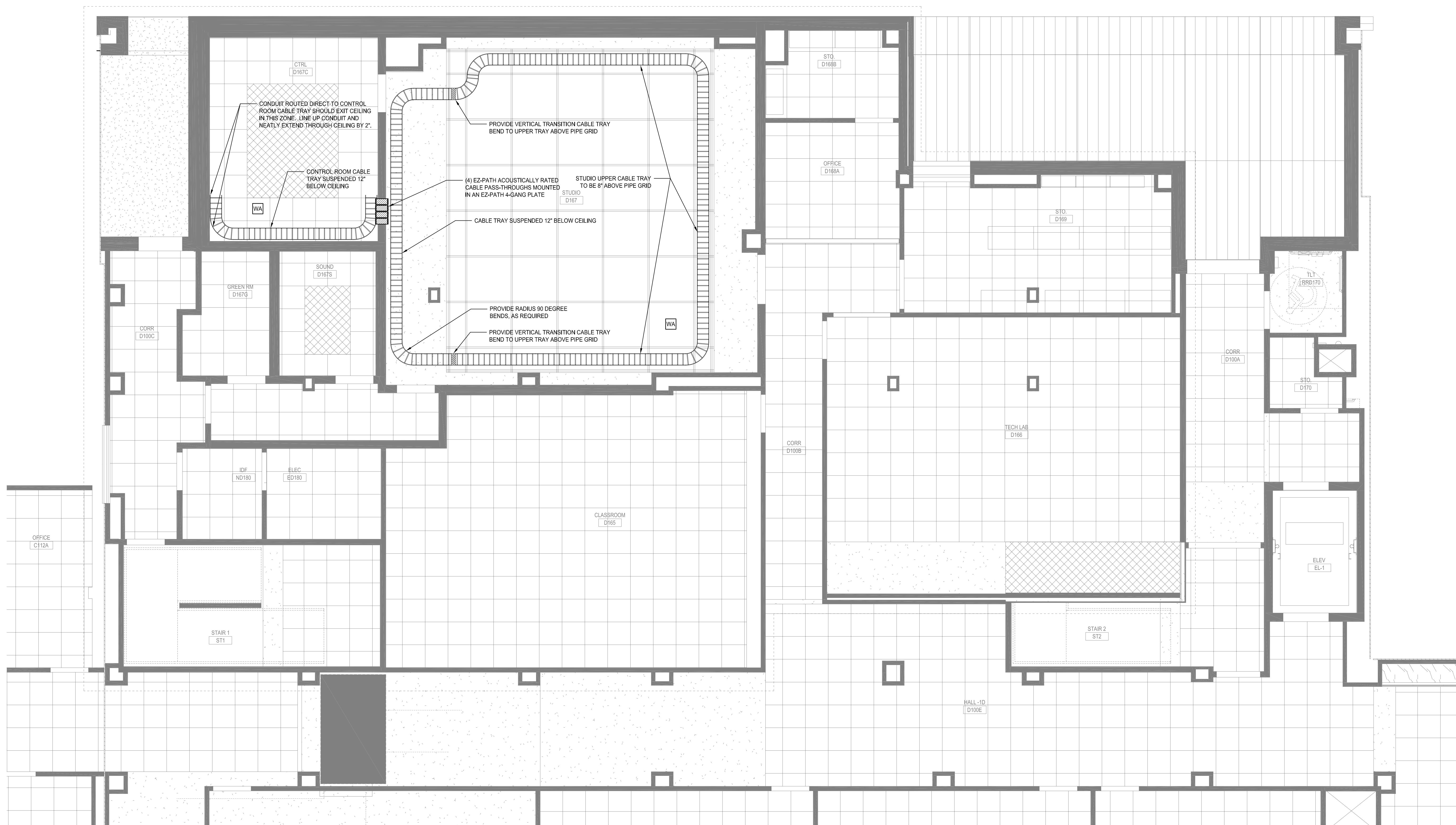
 BID PACKAGE 04
 Issue 2017.07.28
 YYYY.MM.DD

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 Client/Project
RICHARDSON ISD

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 RENOVATIONS
 1250 W BELT LINE RD,
 RICHARDSON, TX 75080

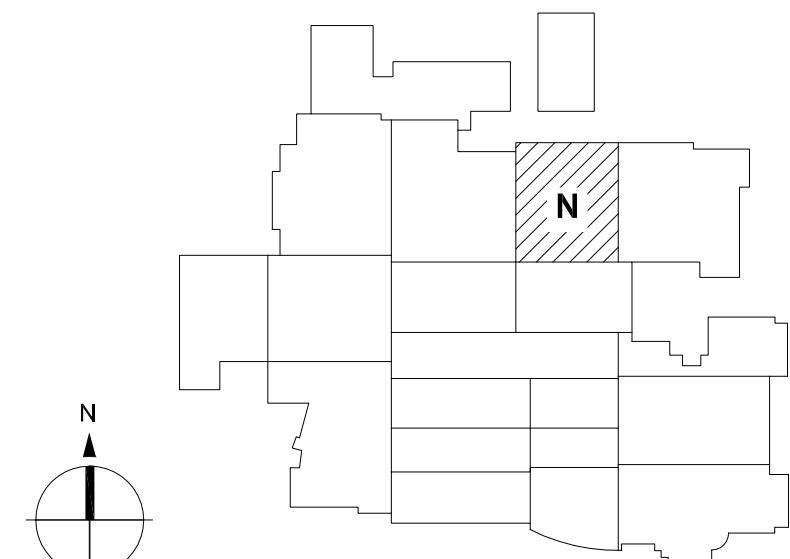
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**AUDIOVISUAL DEVICES RCP -
LEVEL 1 - PARTIAL AREA "N"**

 Project No. 21400493
 Scale AS INDICATED
 Revision Drawing No.

 E4
 AV210 1/4" = 1'-0"
 AUDIOVISUAL DEVICES REFLECTED CEILING PLAN - LEVEL 1 - PARTIAL AREA "N"



Notes

Key Plan (NTS)



3 ASI-26	2018.03.01
2 ASI-17	2018.03.14
1 ADDENDUM #1	2017.08.11

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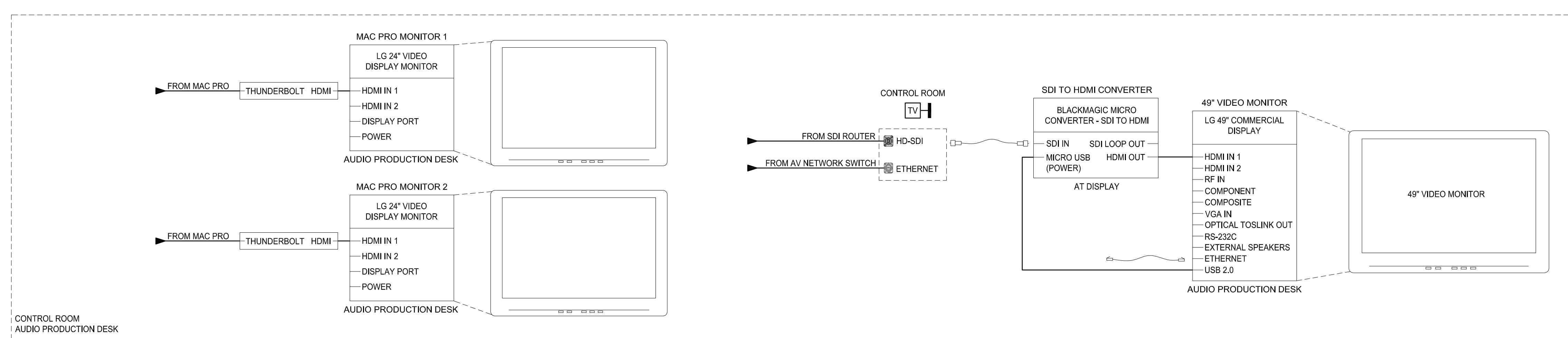
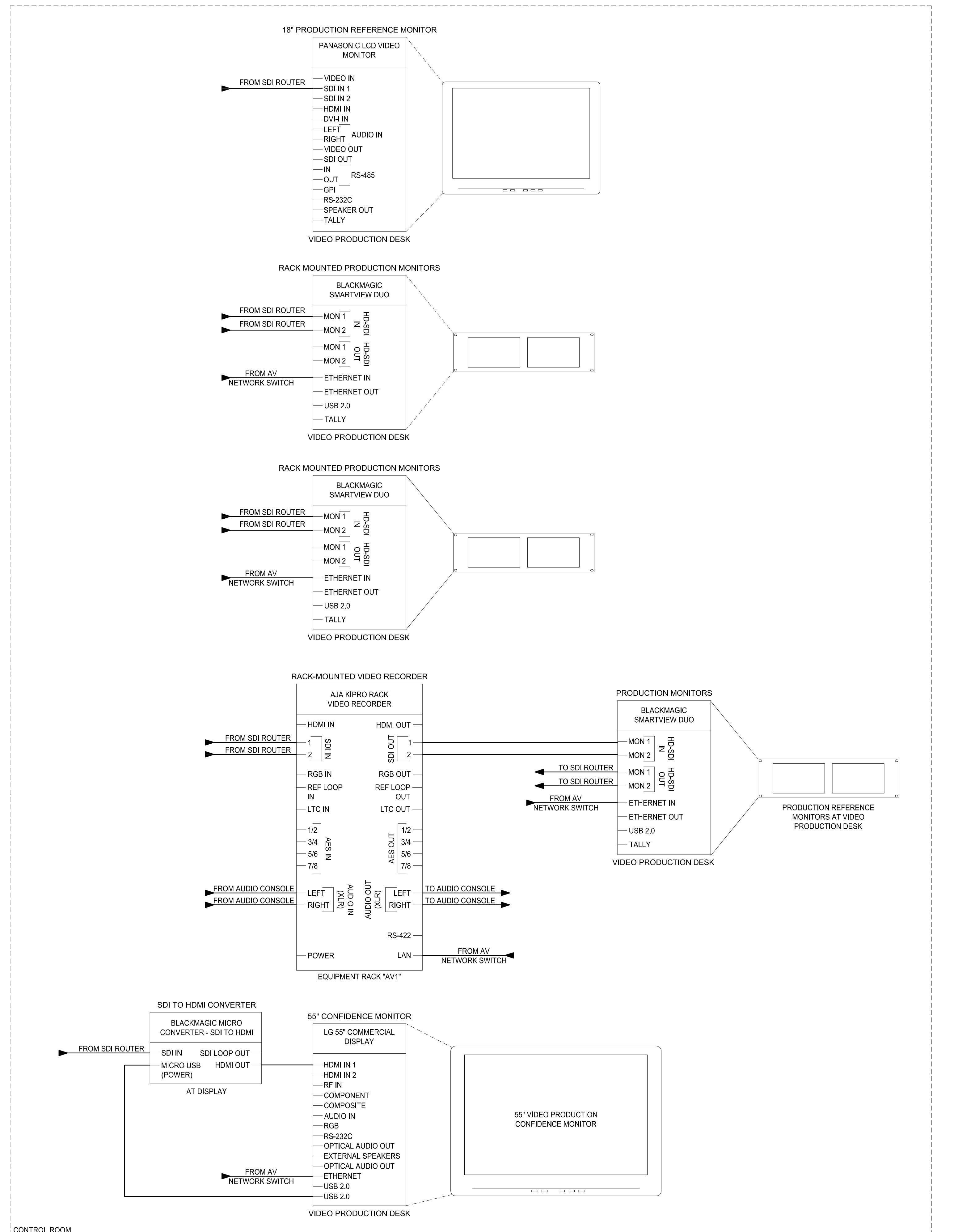
BID PACKAGE 04	2017.07.28
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RICHARDSON ISD

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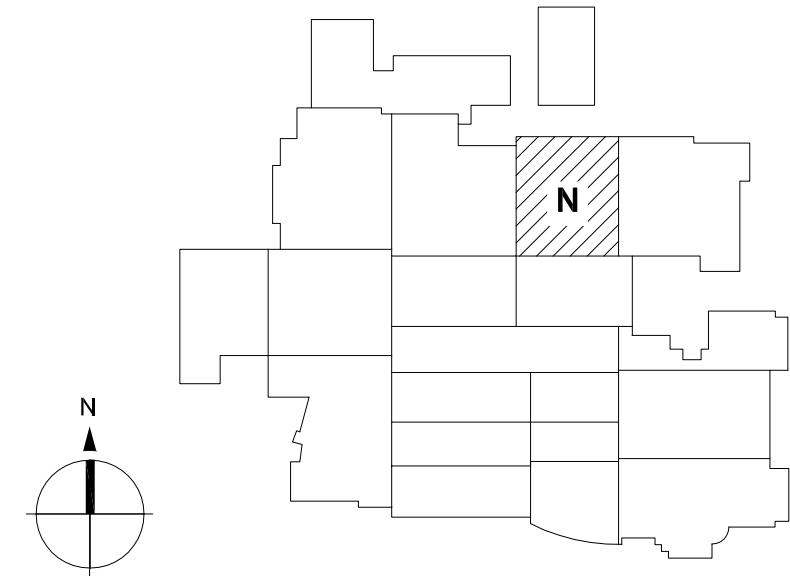
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AUDIOVISUAL SCHEMATIC ONELINES

 Project No. 21400493 Scale AS INDICATED
 Revision Drawing No.




Notes

Key Plan (NTS)


 3 ASI-26
 2 ASI-17
 1 ADDENDUM #1
 Revision
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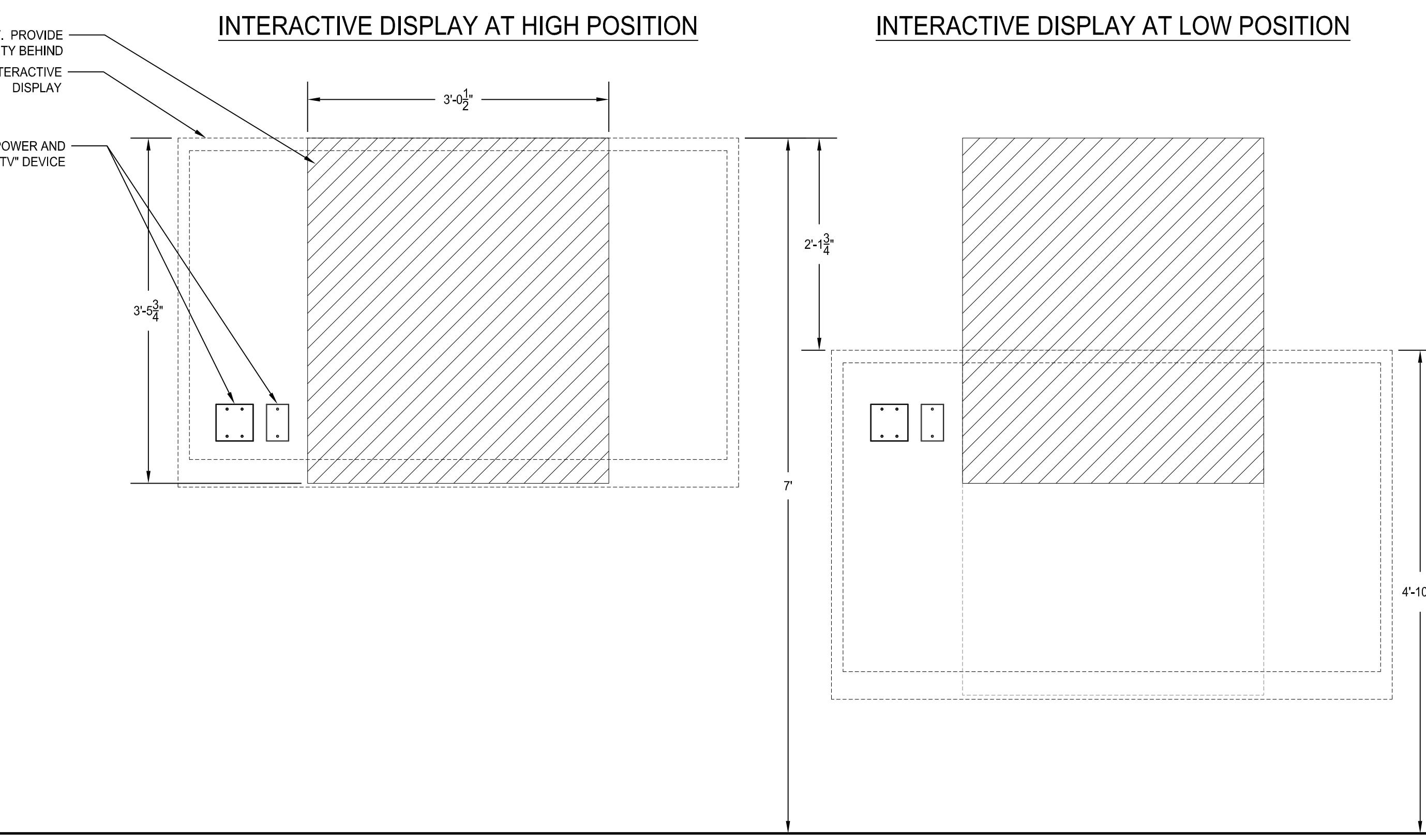
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RICHARDSON ISD

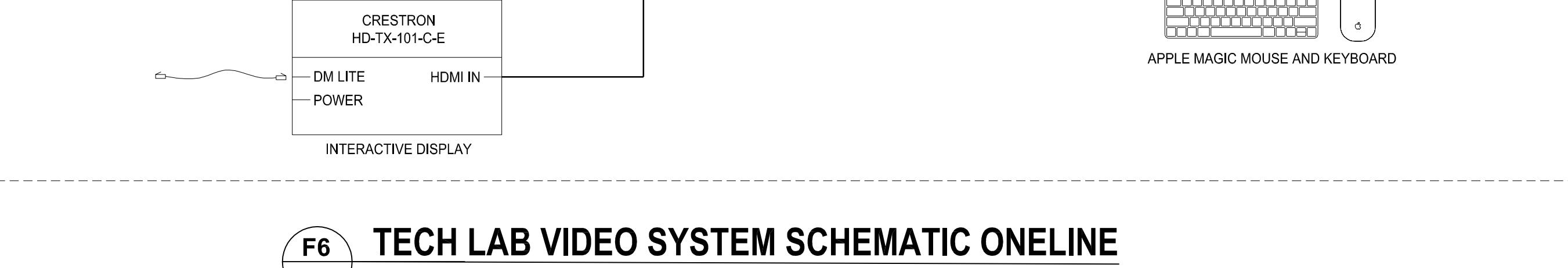
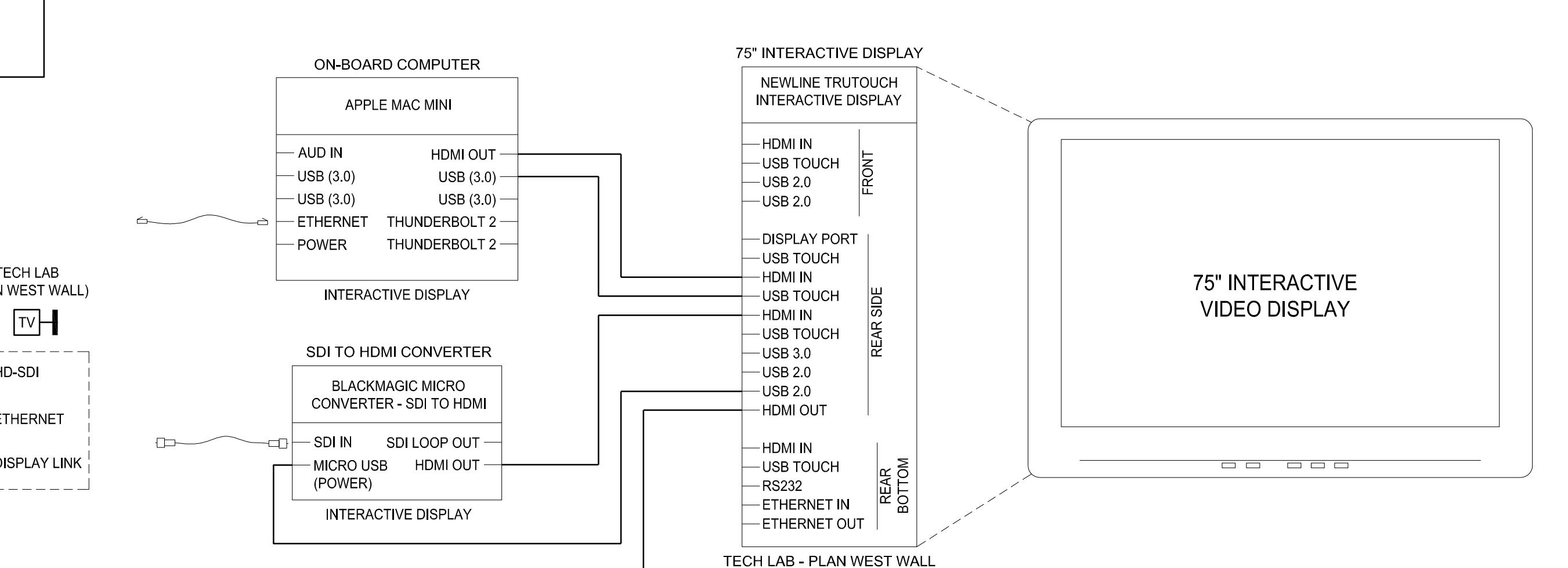
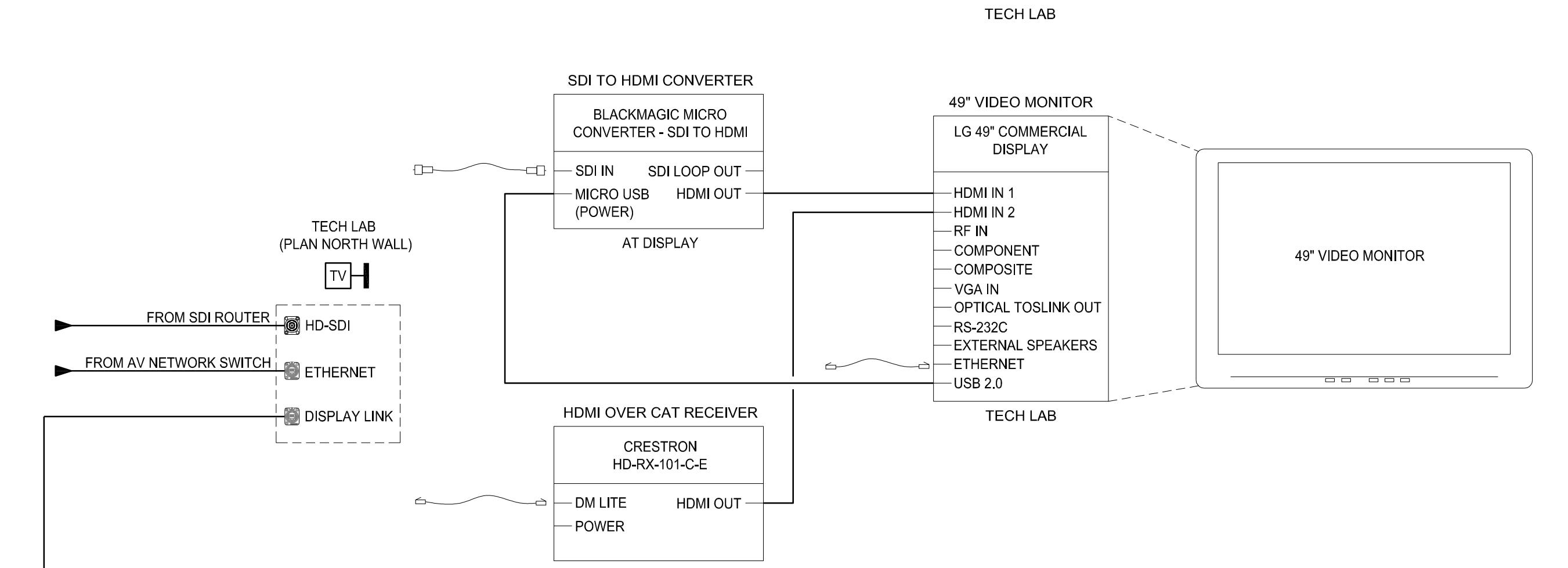
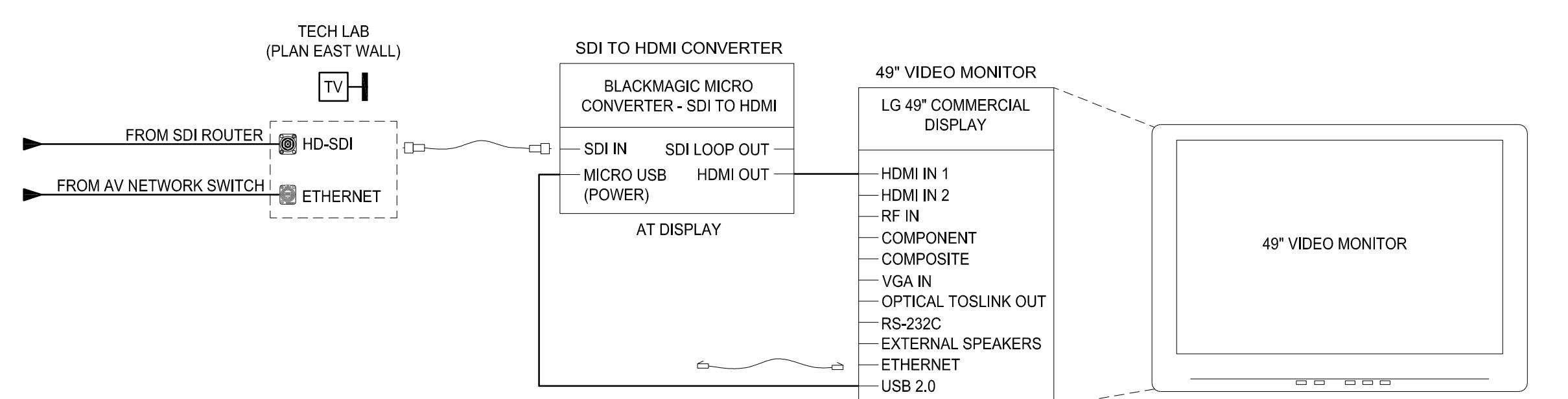
 RICHARDSON HS ADDITION &
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 1250 W BELT LINE RD,
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 Title
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 Project No.
 21400493
 Revision
 Scale
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 Drawing No.
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
 AV302A
 BID PACKAGE 04

INTERACTIVE DISPLAY AT HIGH POSITION

INTERACTIVE DISPLAY AT LOW POSITION
C5 INTERACTIVE DISPLAY WALL ELEVATION

 AV302A
 NTS

F2 CLASSROOM VIDEO SYSTEM SCHEMATIC ONELINE

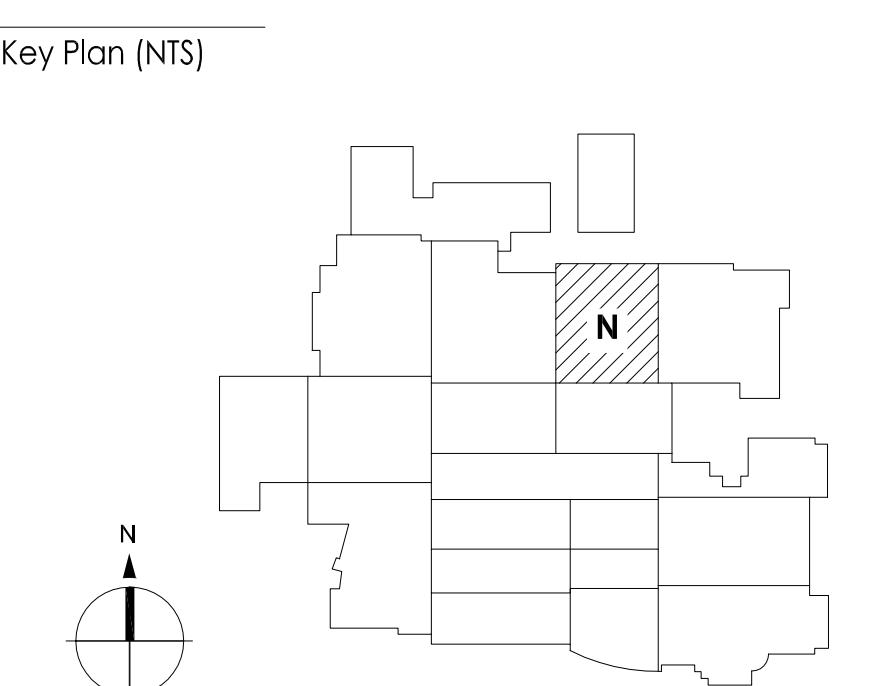
 AV302A
 NTS

F6 TECH LAB VIDEO SYSTEM SCHEMATIC ONELINE

 AV302A
 NTS




Notes



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Issue
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2017.07.28

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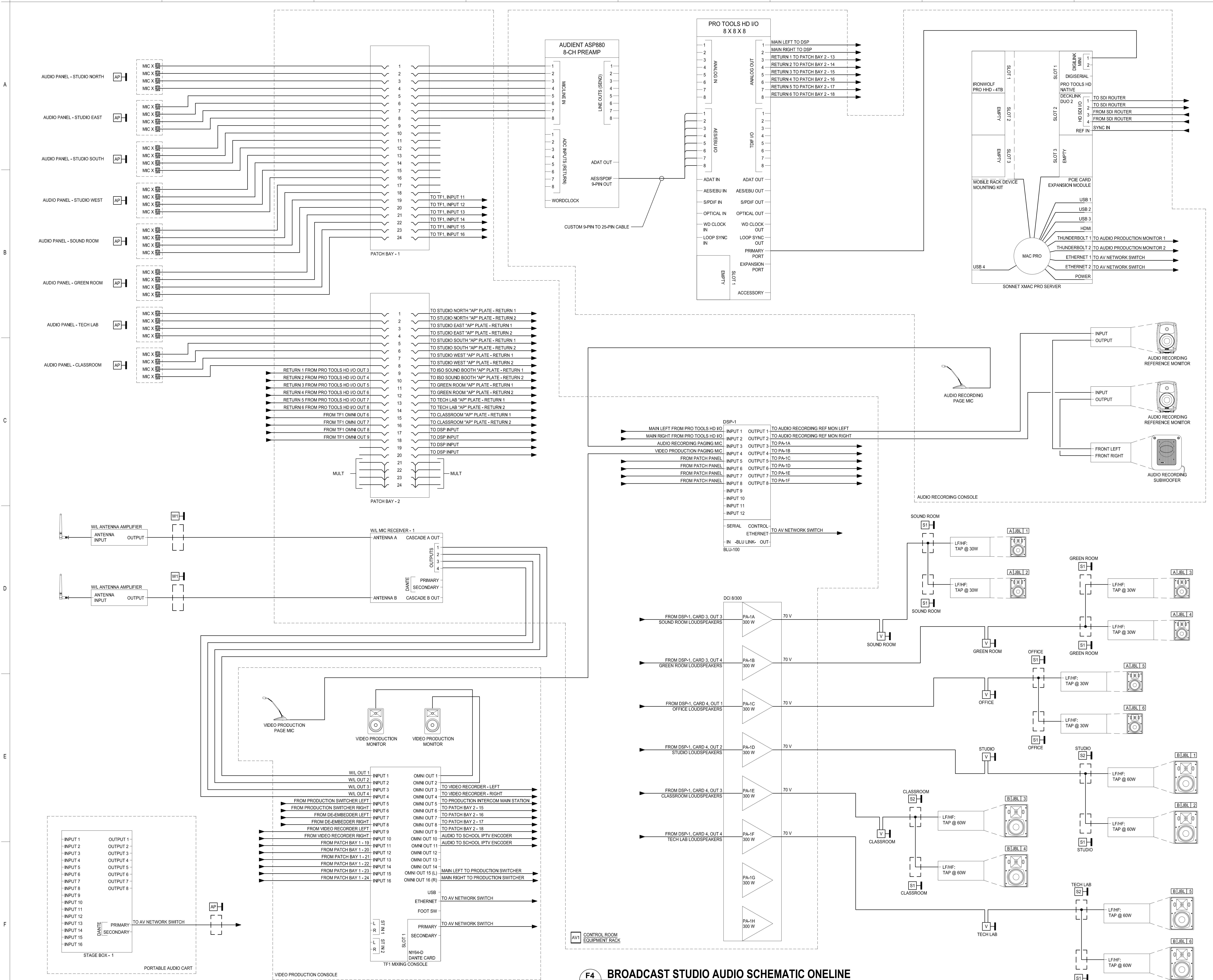
Client/Project
RICHARDSON ISD

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RENOVATIONS
1250 W BELT LINE RD,
RICHARDSON, TX 75080

Title
AUDIOVISUAL SCHEMATIC ONELINES

Project No. 214000493
Scale AS INDICATED
Revision
Drawing No.

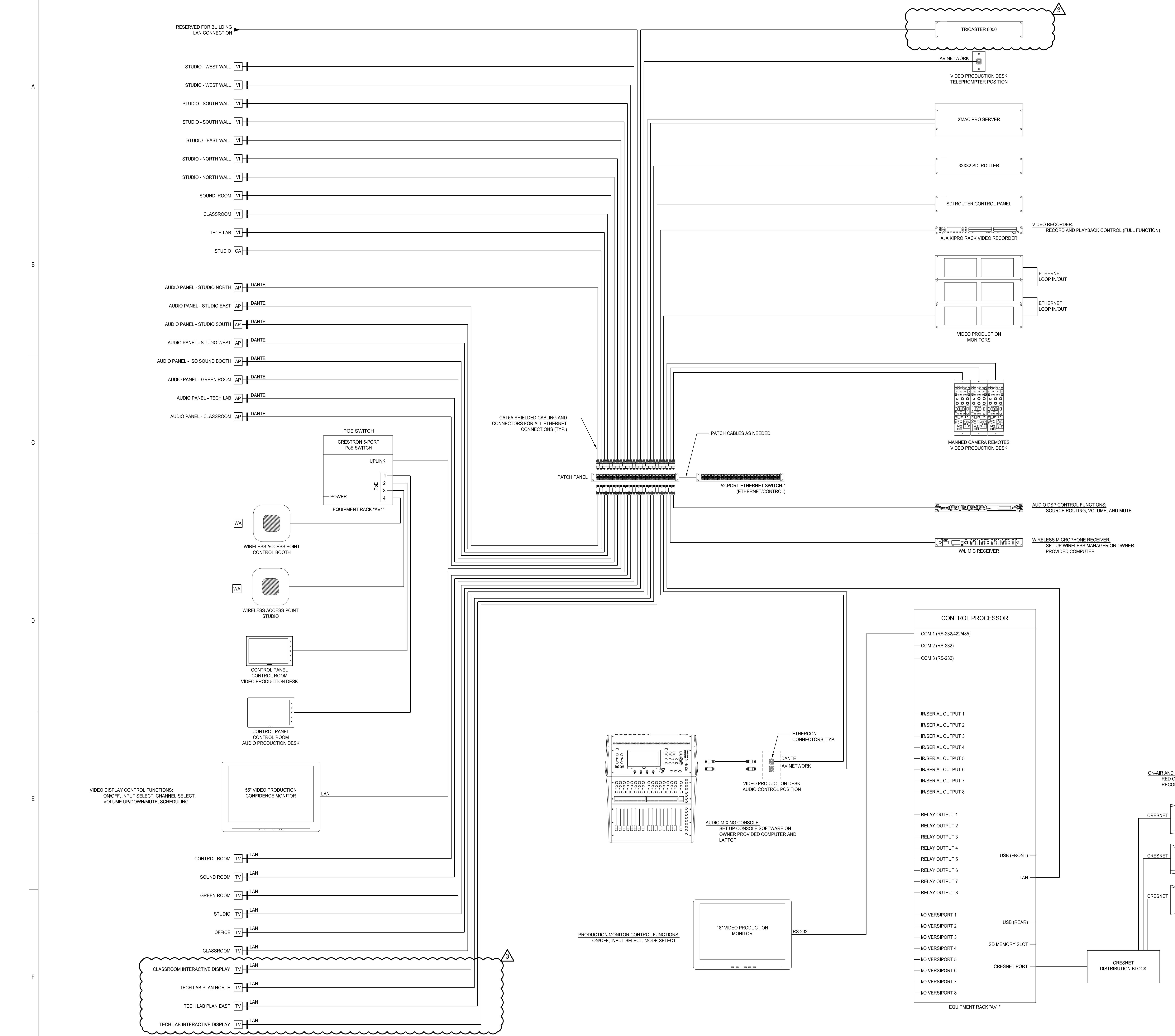
AV303
BID PACKAGE 04



F4 AV303 NTS
BROADCAST STUDIO AUDIO SCHEMATIC ONELINE



Notes



BROADCAST STUDIO AV NETWORK SCHEMATIC ONLINE

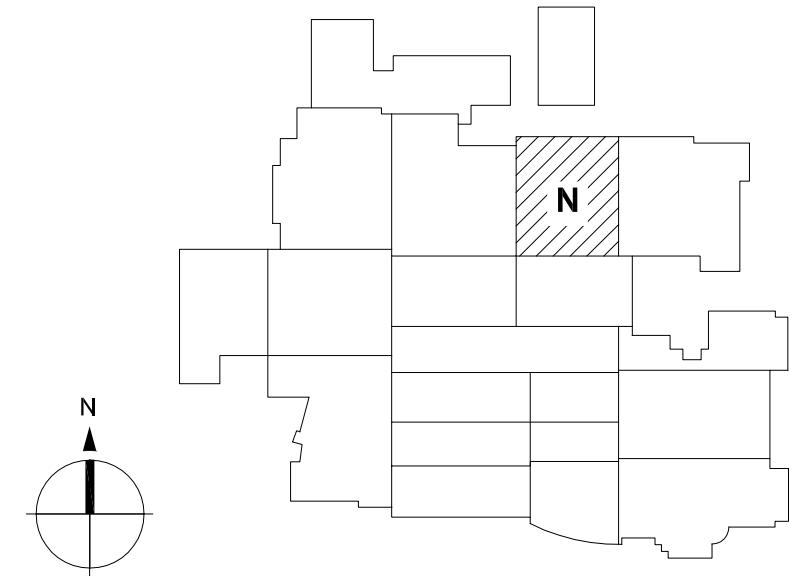
Consultants

Acoustical Consultant
BAI LLC
4245 North Central Expressway, Suite 600
Dallas, TX 75205
Tel: (214) 384-4124
www.baiatx.com



Notes

Key Plan (NTS)



1 ADDENDUM #1	By _____	Appd. 2017.08.11
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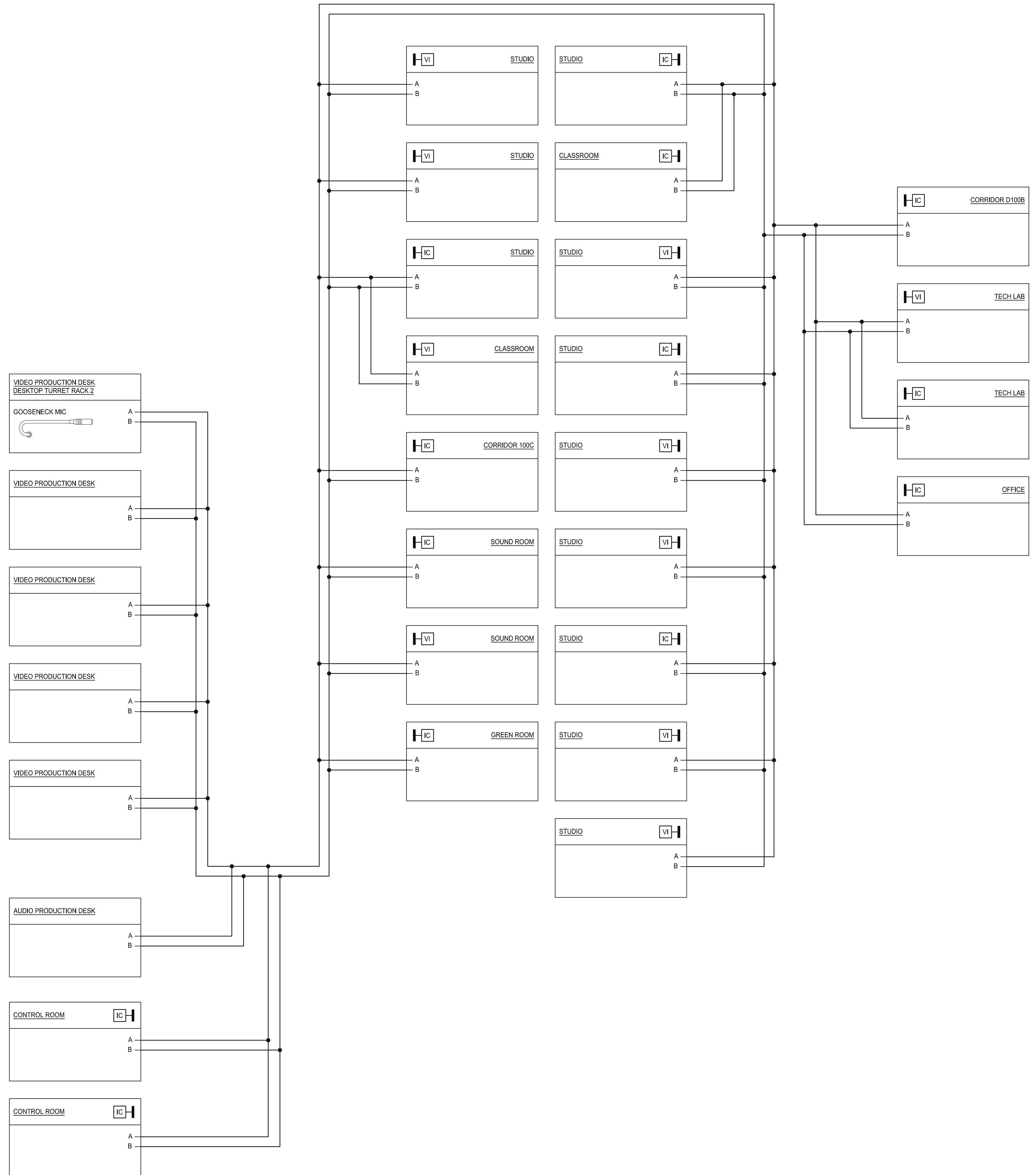
Client/Project
RICHARDSON ISD

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RENOVATIONS
1250 W BELT LINE RD,
RICHARDSON, TX 75080

Title
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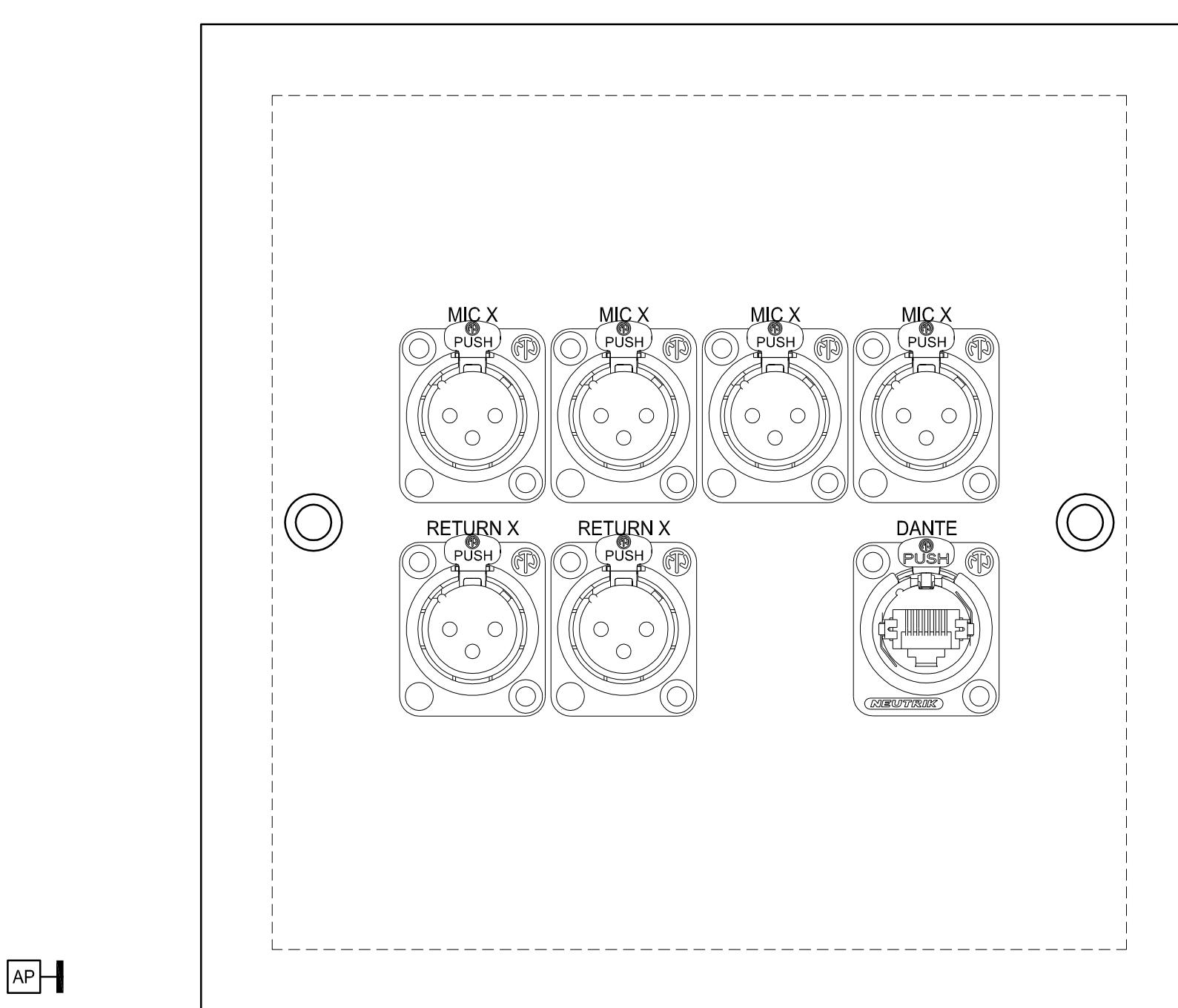
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Revision	Drawing No.

AV305
BID PACKAGE 04

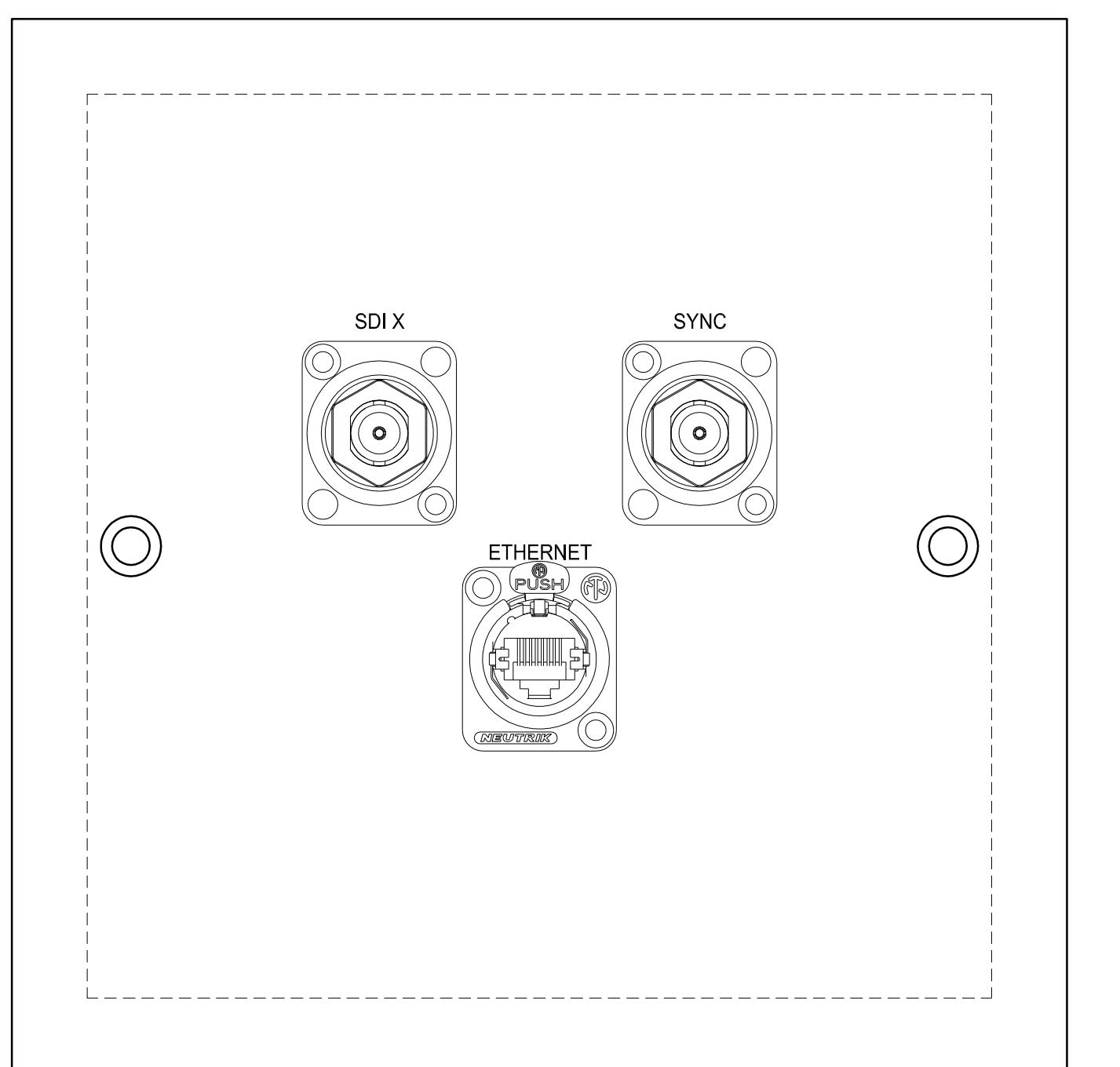




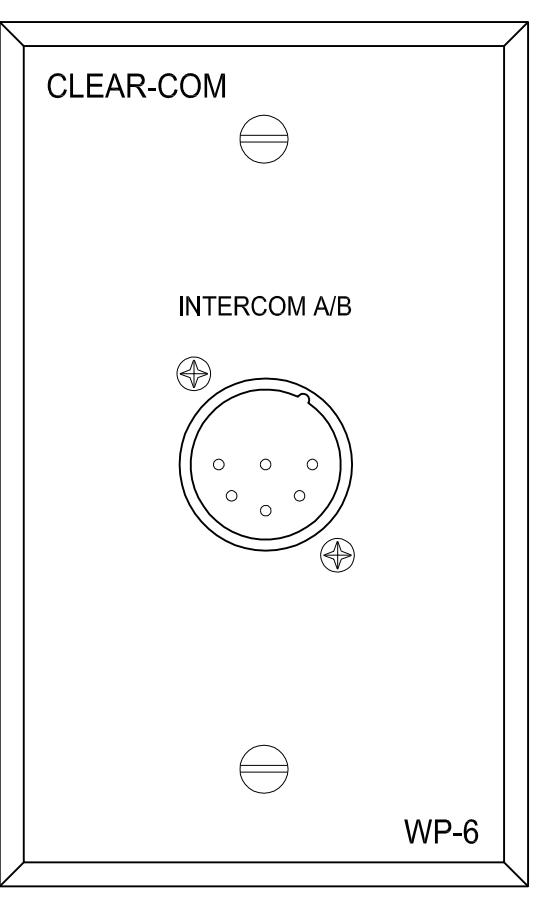
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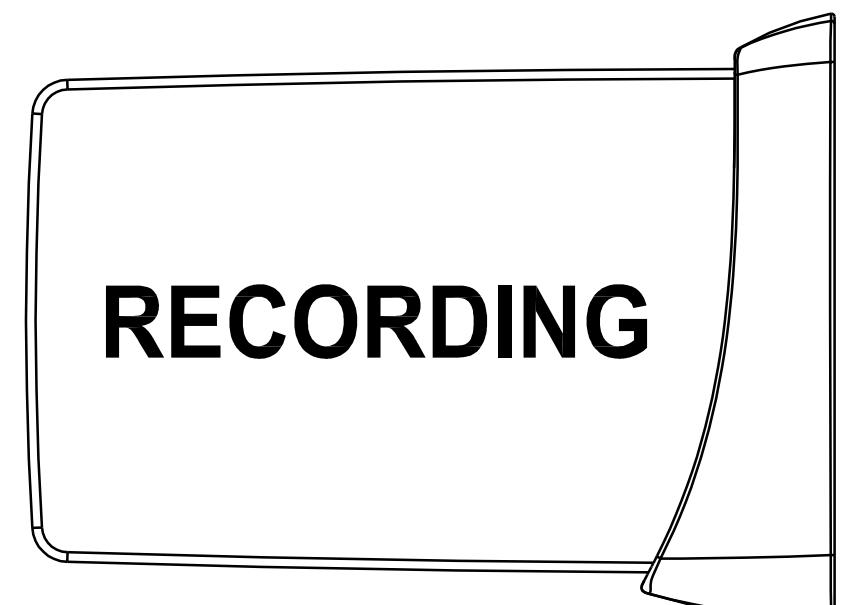
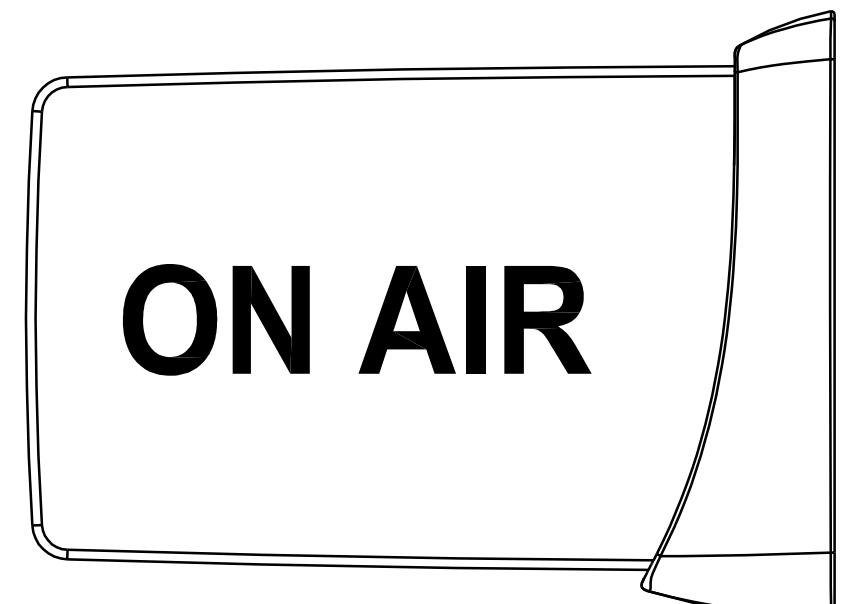
C1 "AP" PLATE DETAIL
AV402 1'-0" = 1'-0"



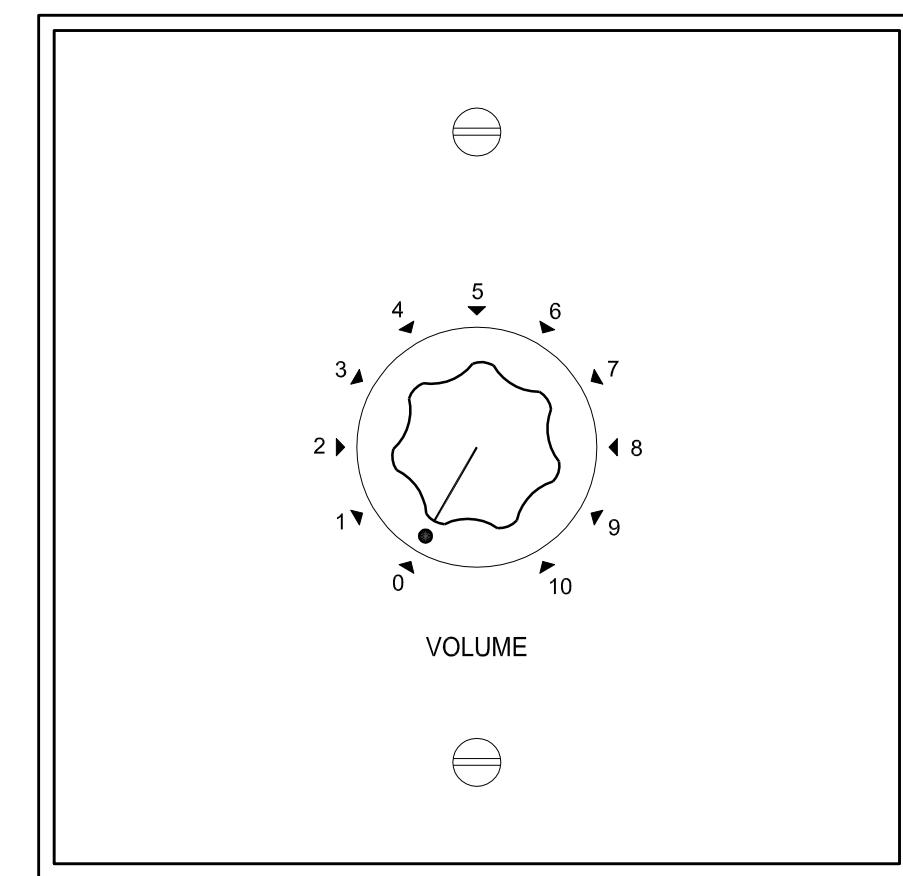
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AV402 1'-0" = 1'-0"



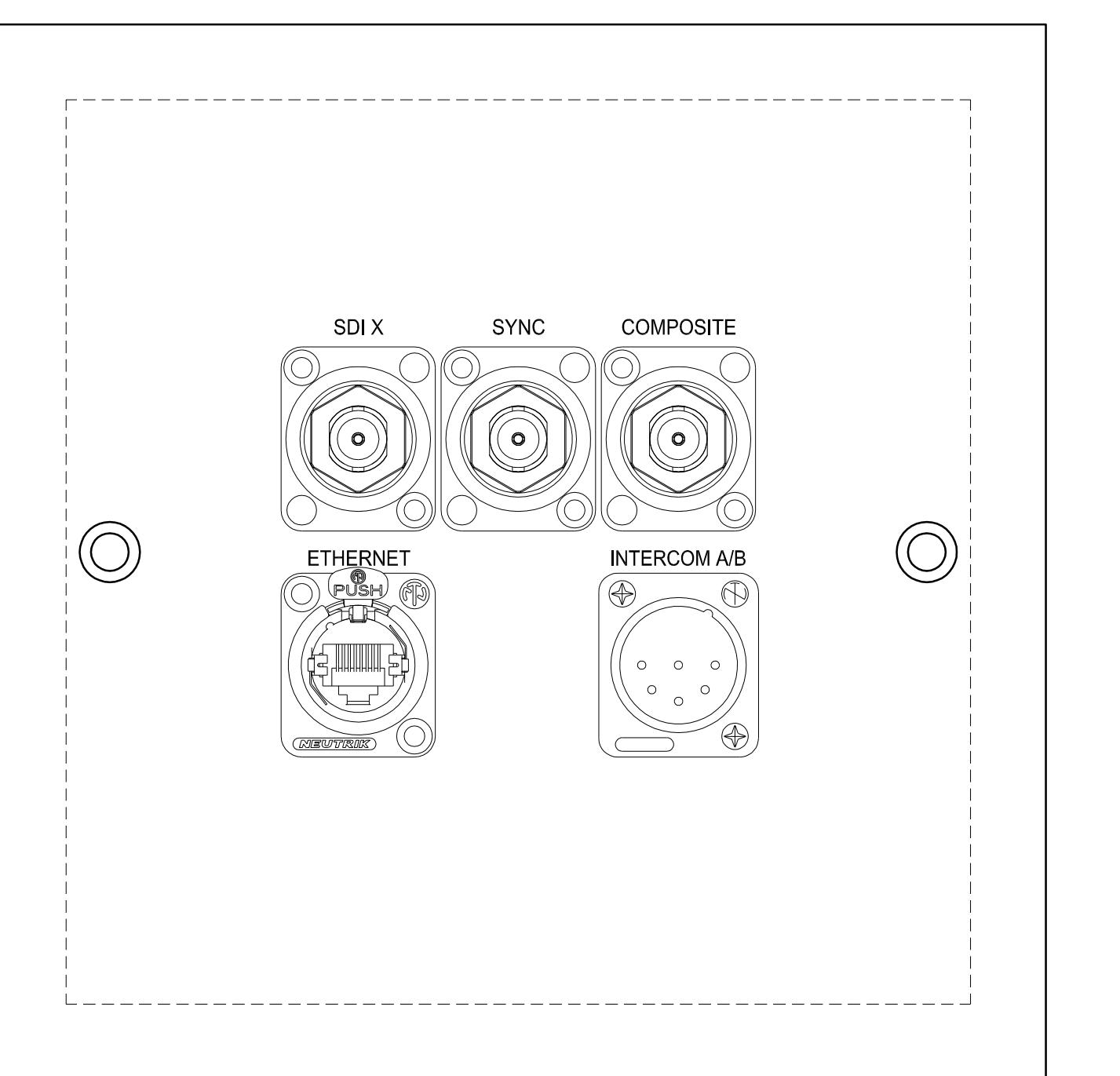
C6 "IC" PLATE DETAIL
AV402 1'-0" = 1'-0"



E1 "OA" PLATE DETAIL
AV402 6" = 1'-0"

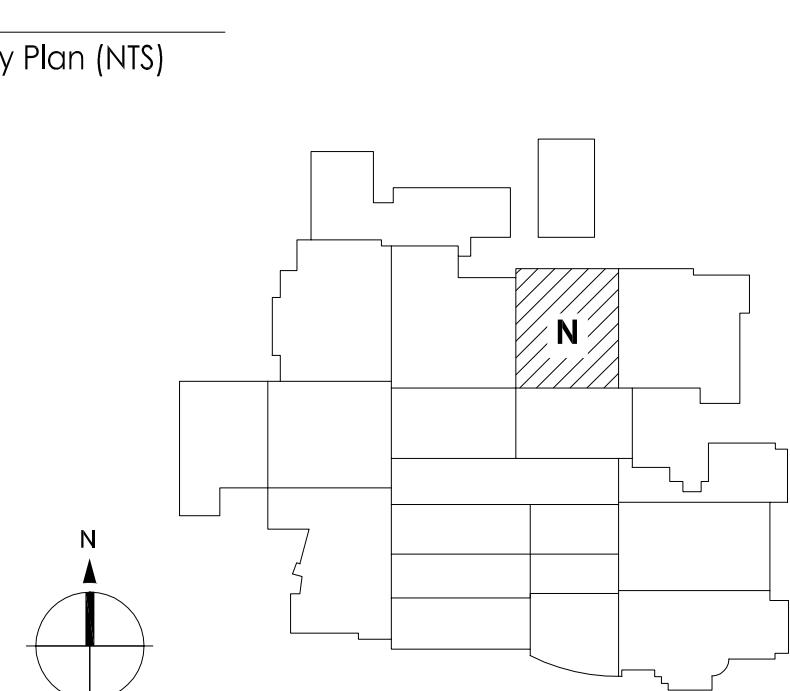


V



F4 "VI" PLATE DETAIL
AV402 1'-0" = 1'-0"

F1 "V" PLATE DETAIL
AV402 1'-0" = 1'-0"



1 ADDENDUM #1	2017.08.11
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Client/Project
RICHARDSON ISD

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1250 W BELT LINE RD,
RICHARDSON, TX 75080

Title
AUDIOVISUAL PLATE DETAILS

Project No. 21400493	Scale AS INDICATED
Revision	Drawing No.

AV402
BID PACKAGE 04