



Procurement Services
Lucas Administrative Center, 617
1 Nunn Drive
Highland Heights, KY 41099
859.572.6605
FAX 859.572.6995

ADDENDUM NO: 4

IFB/RFP No: NKCC-02-20

Commodity: SU Ballroom AV

Date: 1/15/2020

Due Date: **01/31/2020 @ 2PM**

BIDDER/RESPONDER SHALL CONFORM TO THE FOLLOWING CHANGES AS SAME SHALL BECOME BINDING UPON THE CONTRACT TO BE ISSUED IN RESPONSE TO THIS INVITATION FOR BID.

1. Please see the attached documents with questions and answers from the engineering firm.

END OF ADDENDUM

RS-1/27/2020

ADDENDUM 4

Project Name: Northern Kentucky University Student Union Ballroom Technology Room Upgrades

Date: 01/24/2020

Project Number: 21514.00

Client: Northern Kentucky University

The following modifications to the Bidding and Contract Documents for the referenced project shall hereby be incorporated into the Work described, and their effect on the bidding shall be reflected in the Bidder's Form of Proposal. Bidder shall verify receipt of Addendum on the Form of Proposal. Bidder is cautioned to read entire Addendum, as a definite order does not necessarily follow, and to check that all pages of Addendum have been included in Bidder's copy of Addendum.

GENERAL

1. Existing system documents provided for reference only. These documents represent the original DESIGN and may not be representative of the system as it is currently installed. The contractor is responsible for work with the system as it exists today. No change orders will be allowed for differences between the original drawings and the existing system.

DRAWING CHANGE(S)


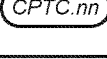




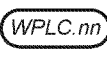
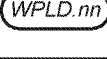
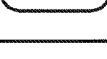




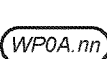
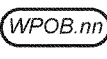
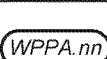
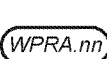
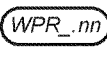


1. Sheet: F-100 - FIRE PROTECTION LEVEL 1 PLAN OVERALL
 - a. Relocate 2 sprinkler heads in the existing soffit areas for new screen installation.
2. Sheet: FD101 - FIRE PROTECTION DEMOLITION LEVEL 1 PLAN OVERALL
 - a. Added 2 sprinkler heads to be removed for new relocation shown on sheet F-100.
3. Sheet: T-642 - TECHNOLOGY SCHEDULES AND DIAGRAMMS
 - a. Updated intercom patch panel requirements.

QUESTIONS


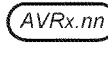
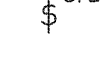





1. Are there any schematics or documentation available for existing AV installation?
 - a. Documents detailing the original system design can be provided, but those documents may not completely represent the current state of the system. The contractor is responsible for demolition of the current system as it exists today.
2. Is there an existing BOM of currently installed components?
 - a. See question 1 Response.
3. What is the make and model of existing speakers?
 - a. Existing speakers are a mix of Electro-voice products. See AV6.44 of the original design package for the model numbers requested in the original system. As referenced in the answer to question 1, these documents may differ from the currently installed components.
4. Schematic shows a 20x20 12G Black Magic HDSDI Router. Only Black Magic 12G model is 40x40. Should spec be 20x20 6G model or 40x40 12G model?
 - a. Provide 12G router.



5. Is there a make and model for existing installed projector lifts?
 - a. Existing projector lifts are to be demolished. Make and model are not required for removal.
6. Is the existing intercom system and patch panel being re purposed? Is there a make and model for controller and receivers?
 - a. Existing Intercom patch panels shall be replaced. Current patch panels feature 6-pin connectors for dual channel system. Current university intercom equipment is single channel and only requires 3-pin. Replace existing patch panels with 3-pin connector panels. Use existing cabling and abandon one shielded pair.

AV TECHNOLOGIES LEGEND						
SYMBOL	DESCRIPTION	DEFAULT ROUGH-IN – SEE NOTES (2)(7)			NOTES	
		BOX (4)(5)	HEIGHT	RACEWAY (5)		
CONTROL PANELS						
MTG ROOMS	 CONTROL PANEL – TOUCH PANEL	12"H X 12"W X 4"D SC-TYPE PULL BOX	54" TO CENTER OF BOX	SEE PLANS AND PATHWAY RISER	REQUIRES CUSTOM SUB-PLATE THAT ADAPTS TOUCH PANEL TO BOX.	
	 CONTROL PANEL – TOUCH PANEL	15"H X 15"W X 4"D SC-TYPE PULL BOX	54" TO CENTER OF BOX	SEE PLANS AND PATHWAY RISER	REQUIRES CUSTOM SUB-PLATE THAT ADAPTS TOUCH PANEL TO BOX.	
BALLROOM	 CONTROL PANEL – TOUCH PANEL	15"H X 15"W X 4"D SC-TYPE PULL BOX	54" TO CENTER OF BOX	SEE PLANS AND PATHWAY RISER	REQUIRES CUSTOM SUB-PLATE THAT ADAPTS TOUCH PANEL TO BOX.	
MULTI-PURPOSE ROOM	 CONTROL PANEL – TOUCH PANEL	15"H X 15"W X 4"D SC-TYPE PULL BOX	54" TO CENTER OF BOX	SEE PLANS AND PATHWAY RISER	REQUIRES CUSTOM SUB-PLATE THAT ADAPTS TOUCH PANEL TO BOX.	
	 CONTROL PANEL – TOUCH PANEL	15"H X 15"W X 4"D SC-TYPE PULL BOX	54" TO CENTER OF BOX	SEE PLANS AND PATHWAY RISER	REQUIRES CUSTOM SUB-PLATE THAT ADAPTS TOUCH PANEL TO BOX.	
GAME ROOM	 CONTROL PANEL – TOUCH PANEL	15"H X 15"W X 4"D SC-TYPE PULL BOX	54" TO CENTER OF BOX	SEE PLANS AND PATHWAY RISER	REQUIRES CUSTOM SUB-PLATE THAT ADAPTS TOUCH PANEL TO BOX.	
GOVERNANCE	 CONTROL PANEL – TOUCH PANEL	15"H X 15"W X 4"D SC-TYPE PULL BOX	54" TO CENTER OF BOX	SEE PLANS AND PATHWAY RISER	REQUIRES CUSTOM SUB-PLATE THAT ADAPTS TOUCH PANEL TO BOX.	
FLOOR PLATES						
BALLROOM	 FLOOR BOX PLATE, MICROPHONE	SEE ELECTRICAL SPECS AND DRAWINGS	IN FLOOR	SEE PLANS AND PATHWAY RISER		
WALL PLATES – FACILITATOR						
BALLROOM	 WALL PLATE, FACILITATOR CONNECTION, MULTI-SERVICE	8"H X 20"W X 4"D SC-TYPE	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER		
BALLROOM	 WALL PLATE, FACILITATOR CONNECTION	8"H X 8"W X 4"D SC-TYPE	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER		
GOVERNANCE	 WALL PLATE, FACILITATOR CONNECTION, MULTI-SERVICE	8"H X 16"W X 4"D SC-TYPE	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER		
WALL PLATES – LECTERN						
MTG ROOMS	 WALL PLATE, LECTERN CONNECTION, MULTI-SERVICE	8"H X 20"W X 4"D SC-TYPE	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER	INSTALL BOX CAREFULLY TO ENSURE THAT FRONT OF BOX DOES NOT STAND PROUD OF FINISHED AT ANY POINT.	
MULTI-PURPOSE ROOM	 WALL PLATE, LECTERN CONNECTION, MULTI-SERVICE	8"H X 20"W X 4"D SC-TYPE	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER	INSTALL BOX CAREFULLY TO ENSURE THAT FRONT OF BOX DOES NOT STAND PROUD OF FINISHED AT ANY POINT.	
	 WALL PLATE, LECTERN CONNECTION, MULTI-SERVICE	8"H X 20"W X 4"D SC-TYPE	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER	INSTALL BOX CAREFULLY TO ENSURE THAT FRONT OF BOX DOES NOT STAND PROUD OF FINISHED AT ANY POINT.	
BALLROOM	 WALL PLATE, LECTERN CONNECTION, MULTI-SERVICE	8"H X 20"W X 4"D SC-TYPE	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER	INSTALL BOX CAREFULLY TO ENSURE THAT FRONT OF BOX DOES NOT STAND PROUD OF FINISHED AT ANY POINT.	
BALLROOM	 WALL PLATE, LECTERN CONNECTION, MULTI-SERVICE	8"H X 20"W X 4"D SC-TYPE	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER	INSTALL BOX CAREFULLY TO ENSURE THAT FRONT OF BOX DOES NOT STAND PROUD OF FINISHED AT ANY POINT.	
WALL PLATES – MICROPHONES +PLUS						
BALLROOM	 WALL PLATE, MICROPHONE	1-GANG	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER		
BALLROOM	 WALL PLATE, MICROPHONE	8"H X 8"W X 4"D	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER		
BALLROOM	 WALL PLATE, MICROPHONE / CAM	12"H X 12"W X 4"D	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER		
BALLROOM	 WALL PLATE, MICROPHONE	12"H X 15"W X 4"D	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER		
GOVERNANCE	 WALL PLATE, MICROPHONE	4-GANG BOX	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER		
GOVERNANCE	 WALL PLATE, MICROPHONE	2-GANG BOX	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER		
GOVERNANCE	 WALL PLATE, MICROPHONE	6"H X 8"W X 4"D SC-TYPE PULL BOX	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER		
BALLROOM	 WALL PLATE, MICROPHONE / CAM / PRESS	8"H X 8"W X 4"D SC-TYPE PULL BOX	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER		
MULTI-PURPOSE ROOM	 WALL PLATE, MICROPHONE & MONITOR	12"H X 12"W X 4"D SC-TYPE PULL BOX	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER		
WALL PLATES – MIXER +PLUS						
MULTI-PURPOSE ROOM	 WALL PLATE, MIXER CONNECTION	12"H X 20"W X 4"D SC-TYPE PULL BOX	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER		
BALLROOM	 WALL PLATE, MIXER CONNECTION	12"H X 20"W X 4"D SC-TYPE PULL BOX	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER		
WALL PLATES – PRESS +PLUS						
BALLROOM	 WALL PLATE, PRESS CONNECTION	4-GANG	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER		
GOVERNANCE	 WALL PLATE, PRESS CONNECTION	4-GANG	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER		
WALL PLATES – EQUIPMENT RACKS						
MTG ROOMS	 WALL PLATE, EQUIPMENT RACK	8"H X 16"W X 4"D SC-TYPE	16" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER		
	 WALL PLATE, EQUIPMENT RACK			SEE PLANS AND PATHWAY RISER		
WALL PLATES – TV MONITORS						
GAMEROOM	 WALL PLATE, TELEVISION CONNECTIONS, MULTI-SERVICE	3-GANG BOX	3"-8" AFF TO CENTER OF BOX, EXCEPT AS NOTED	SEE PLANS AND PATHWAY RISER		
MULTI-PURPOSE ROOM						
LEGEND NOTES:						
(1) WHERE SUBSCRIPTS ARE USED WITH THESE SYMBOLS, LETTERS DENOTE DEVICE TYPE, NUMBERS DENOTE INDEX.						
(2) PRIOR TO INSTALLATION OF ROUGH-IN, VERIFY ROUGH-IN SIZE REQUIREMENTS WITH DEVICE SUPPLIER;						
(3) INCREASE SIZE OF BOX, AS REQUIRED TO ACCOMMODATE THE QUANTITY AND SIZE OF CONDUITS ENTERING BOX.						
(4) ALL 1-GANG AND 2-GANG ROUGH-IN BOXES, RECESS/FLUSH MOUNTED, SHALL BE ASSEMBLED FROM 4" SQUARE BOXES AND SEPARATE TRIM RINGS. DEPTH OF COMPOSITE ASSEMBLY SHALL AS INDICATED, MINIMUM.						
(5) IN APPLICATIONS WHERE THE DRAWINGS AND/OR SPECIFICATIONS REQUIRE THE USE OF SURFACE RACEWAY AND BOXES IN LIEU OF CONCEALED ROUGH-IN, CONTRACTOR SHALL MATCH THE SIZE OF THE BOX LISTED ON THE LEGEND; SHALL MATCH THE QUANTITY OF USABLE RACEWAYS; AND SHALL MATCH THE USABLE RACEWAY CABLE AREA SUBSTANTIALLY, TO QUANTITY AND SIZES OF RACEWAYS LISTED ON THE LEGEND. CONTRACTOR IS ADVISED THAT THIS MAY REQUIRE PROCUREMENT OF MATERIALS ONLY AVAILABLE BY SPECIAL ORDER FROM THE MANUFACTURERS.						
(6) CONDUIT REQUIRED WHEN DEVICE INSTALLED WITHIN INACCESSIBLE CEILING; NOT REQUIRED IN ACCESSIBLE DROP CEILINGS.						
(7) REFER TO PLANS AND OTHER DRAWINGS THIS SERIES FOR CONDUIT RISERS AND DETAILS FOR SPECIAL REQUIREMENTS.						

NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

AV TECHNOLOGIES LEGEND					
SYMBOL	DESCRIPTION	DEFAULT ROUGH-IN — SEE NOTES (2)(7)		NOTES	
		BOX (4)(5)	HEIGHT		
 IPD	IPD DOCKING STATION	8"H X 8"W X 4"D SC-TYPE	54" TO CENTER OF BOX	SEE PLANS AND RISER DIAGRAM	REQUIRES CUSTOM SUB-PLATE TO ADAPT'S DOCKING STATION TO BACKBOX.
EQUIPMENT RACKS					
 AVR	AUDIO VISUAL/SOUND RACK	SEE PLANS, RISERS & DETAILS	SEE PLANS, RISERS & DETAILS	SEE PLANS, RISERS & DETAILS	
SWITCHES					
 S/L	SWITCH — PROJ. SCREEN & LIFT	2-GANG BOX	48" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER	
 S/S	SWITCH — MULTIPLE PROJ. SCREENS	3-GANG BOX	48" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER	
 L2	SWITCH — PROJ. LIFT	2-GANG BOX	48" AFF TO BOTTOM OF BOX	SEE PLANS AND PATHWAY RISER	
MISCELLANEOUS					
 SPEAKER WALL MOUNTED	SEE NOTE (1)	1-GANG	12" BELOW FINISHED CEILING	SEE PLANS AND PATHWAY RISER	
 SPEAKER	SEE NOTE (1)	1-GANG	AS NOTED	SEE PLANS AND PATHWAY RISER	
 SPEAKER CEILING TYPE	SEE NOTE (1)	MODEL DEPENDANT	FLUSH IN CEILING, EXCEPT WHERE OTHERWISE NOTED OR DETAILED.	J-HOOK PATHWAY (5" MAX SPACING) ABOVE ACCESSIBLE CEILING. 3/4" CONDUIT IN OTHERS. SEE PLANS AND PATHWAY RISER FOR ADD'L INFORMATION.	SEE DETAILS FOR SPECIAL ROUGH-IN AND OTHER INSTALLATION GUIDELINES.

DRAWING INDEX		
AV0.01	AV TECH. LEGEND & NOTES	
AV0.02	AV TECH. LEGEND & NOTES	
AV3.40	PROJECTION SECTIONS	
AV4.40A	AV TECH. PLAN & PATHWAY RISERS	(BALL ROOM)
AV4.40B	AV TECH. PLAN	(BALL ROOM)
AV4.41	AV TECH. PLAN & PATHWAY RISERS	(MULTI-PURPOSE & GAME ROOM)
AV4.42	AV TECH. PLAN & PATHWAY RISERS	(GOVERNANCE)
AV4.43	AV TECH. PLAN & PATHWAY RISERS	(MEETING ROOMS)
AV5.01	AV TECH. DETAILS - ROUGH-IN	
AV6.02	AV TECH. DETAILS	
AV6.03	AV TECH. DETAILS - WALL PLATES/PANELS	(LECTERN)
AV6.04	AV TECH. DETAILS - WALL PLATES/PANELS	(FACILITATOR)
AV6.05	AV TECH. DETAILS - WALL PLATES/PANELS	(MICROPHONE/MIXER/PRESS/CAM/ETC...)
AV6.06	AV TECH. DETAILS - WALL PLATES/PANELS	(CONTROL/IPOD/SCREEN/LIFT)
AV6.07	AV TECH. DETAILS - RACK PLATES/PANELS	
AV6.41	AV TECH. RACK LAYOUTS, CASEWORK & FURNITURE	(RACKS)
AV6.42	AV TECH. RACK LAYOUTS, CASEWORK & FURNITURE	(LECTERNS)
AV6.43	AV TECH. RACK LAYOUTS, CASEWORK & FURNITURE	
AV6.44	AV TECH. RACK LAYOUTS, CASEWORK & FURNITURE	
AV6.45	AV TECH. RACK LAYOUTS, CASEWORK & FURNITURE	
AV6.46	AV TECH. SYSTEM DIAGRAMS	(BALLROOM)
AV6.47	AV TECH. SYSTEM DIAGRAMS	(BALLROOM)
AV6.48	AV TECH. SYSTEM DIAGRAMS	(BALLROOM)
AV6.49	AV TECH. SYSTEM DIAGRAMS	(BALLROOM)
AV6.50	AV TECH. SYSTEM DIAGRAMS	(BALLROOM)
AV6.51	AV TECH. SYSTEM DIAGRAMS	(BALLROOM)
AV6.52	AV TECH. SYSTEM DIAGRAMS	(BALLROOM)
AV6.48	AV TECH. SYSTEM DIAGRAMS	(MULTI-PURPOSE/GAMEROOM/BALLROOM)
AV6.49	AV TECH. SYSTEM DIAGRAMS	(MULTI-PURPOSE/GAMEROOM)
AV6.50	AV TECH. SYSTEM DIAGRAMS	(MULTI-PURPOSE/GAMEROOM)
AV6.51	AV TECH. SYSTEM DIAGRAMS	(MULTI-PURPOSE/GAMEROOM/GOVERNANCE)
AV6.52	AV TECH. SYSTEM DIAGRAMS	(GOVERNANCE/MEETING ROOMS)
AV6.53	AV TECH. SYSTEM DIAGRAMS	(MULTI-PURPOSE)
AV6.54	AV TECH. SYSTEM DIAGRAMS	(GOVERNANCE)
AV6.55	AV TECH. SYSTEM DIAGRAMS	(MEETING ROOMS)
AV6.56	AV TECH. SYSTEM DIAGRAMS	(PAGING/BACKGROUND MUSIC)

GENERAL CABLING NOTES:

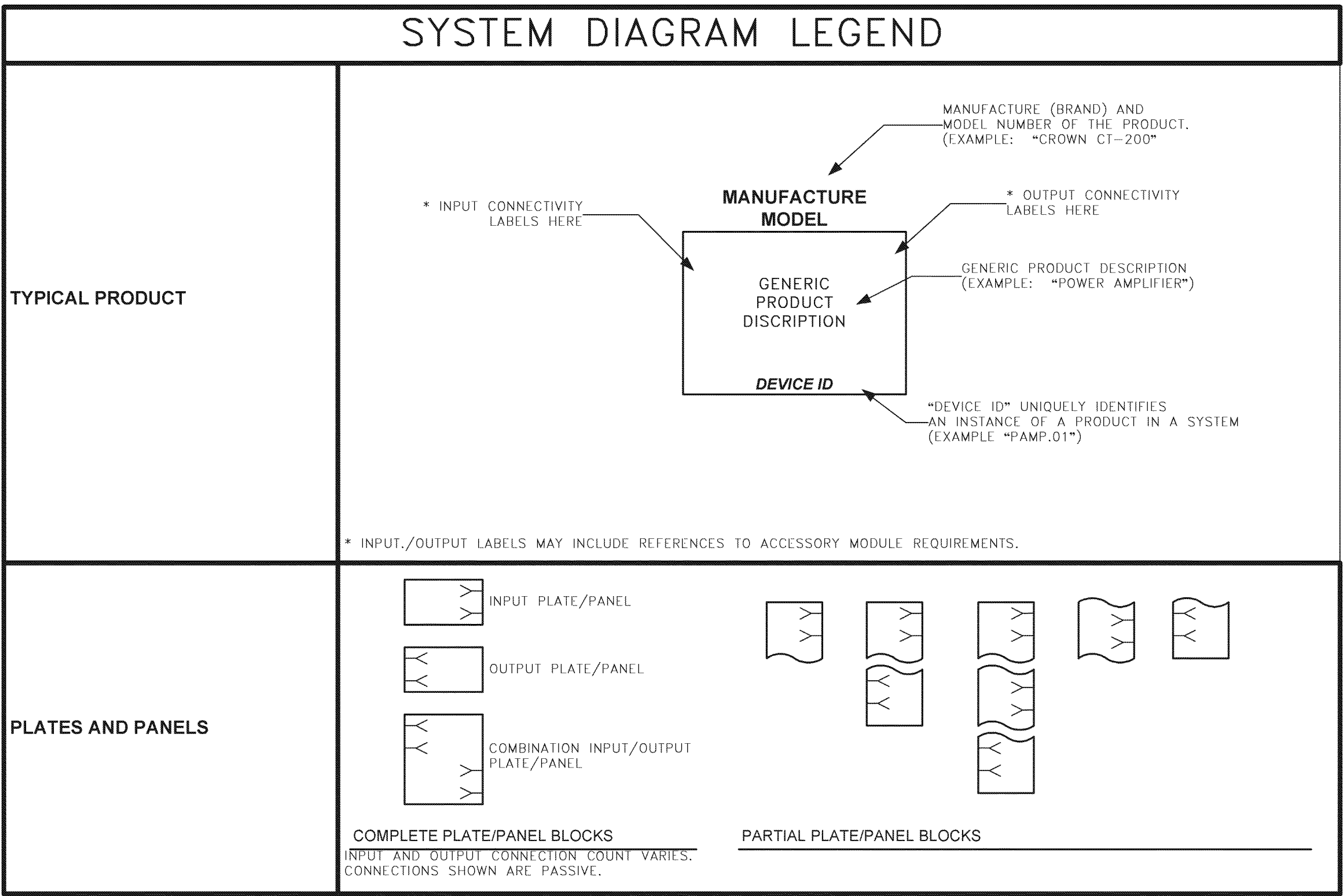
- 1) ALL CABLE PROVIDED THAT IS NOT INSTALLED IN A FULLY ENCLOSED CONDUIT SYSTEM SHALL BE RATED FOR INSTALLATION WITHIN A RETURN AIR PLENUM.
- 2) ALL INSTALLED CABLING SHALL BE CONTINUOUS AND WITHOUT SPLICES, EXCEPT WHERE OTHERWISE NOTE.

GENERAL DEFINITIONS:

- 1) "ABOVE ACCESSIBLE CEILING" SHALL BE INTERPRETED TO GENERALLY MEAN THE ACCESSIBLE CAVITY ABOVE SUSPENDED CEILING AND BENEATH THE DECK/FLOOR ABOVE. CONDUITS STUBBED ABOVE ACCESSIBLE CEILING SHALL TERMINATE IN A LOCATION IN WHICH A NORMAL HEIGHT PERSON CAN VIEW AND ACCESS WITHOUT STRAIN WHILE STANDING UPRIGHT ON A LADDER OR OTHER VERTICAL LIFT DEVICE.

GENERAL NOTES:

- 1) ALL EXPOSED WORK SHALL BE PAINTED TO MATCH SURROUNDING FINISHES. COORDINATE FINISHES WITH PROJECT ARCHITECT.



ABBREVIATIONS AND DEFINITIONS

SYMBOL	DEFINITION
ACC	ADMINISTRATIVE CONTROL CONSOLE
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISH FLOOR
AFSF	ABOVE FINISHED STAGE FLOOR
AFG	ABOVE FINISH GRADE
BFC	BELOW FINISHED CEILING
CCTV	CLOSED CIRCUIT TELEVISION
CH	COUNTER HEIGHT
CT	COMMUNICATIONS TECHNOLOGY
CTC	COMMUNICATIONS TECHNOLOGY CONTRACTOR
CVBS	COMPOSITE VIDEO, BLANKING & SYNC
DVR	DIGITAL VIDEO RECORDER
EF	ENTRANCE FACILITY
ER-xx	MAIN EQUIPMENT ROOM (xx = ROOM IDENTIFIER)
EC	ELECTRICAL CONTRACTOR
FB	FLOOR BOX
HC	HORIZONTAL CROSS-CONNECT
IC	INTERMEDIATE CROSS-CONNECT; INTERCOM
LI	LOCAL (AV) INPUT
LO	LOCAL (AV) OUTPUT
MC	MAIN CROSS-CONNECT
OFE	OWNER FURNISHED EQUIPMENT
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PAY	PAY TELEPHONE LOCATION
SR	STRIKE RELEASE - DOOR
TBOB	TO BOTTOM OF BOX
SC	SOUND CABINET; SCREW COVER
SJB	SPEAKER JUNCTION BOX
SCJB	SECURITY CAMERA JUNCTION BOX
TAAC	TO ABOVE ACCESSIBLE SUSPENDED CEILING (SEE ALSO - GENERAL ROUGH-IN NOTES)
TAHC	TO ABOVE ACCESSIBLE SUSPENDED HALLWAY CEILING
TBB	TELECOMMUNICATIONS BACKBOARD
TO	TELECOMMUNICATIONS OUTLET
UON	UNLESS OTHERWISE NOTED
VCR	VIDEO CASSETTE RECORDER
W	WALL MOUNTED CORRESPONDING SYMBOL
WAP	WIRELESS ACCESS POINT FOR LOCAL AREA NETWORK
WG	WIRE GUARD

AVR	AUDIO VISUAL RACK
DTR	DATA/TELECOMMUNICATIONS RACK
PAR	PUBLIC ADDRESS RACK
RFR	RADIO FREQUENCY (EQUIPMENT) RACK
SER	SECURITY SYSTEM EQUIPMENT RACK
SSR	SOUND SYSTEM EQUIPMENT RACK

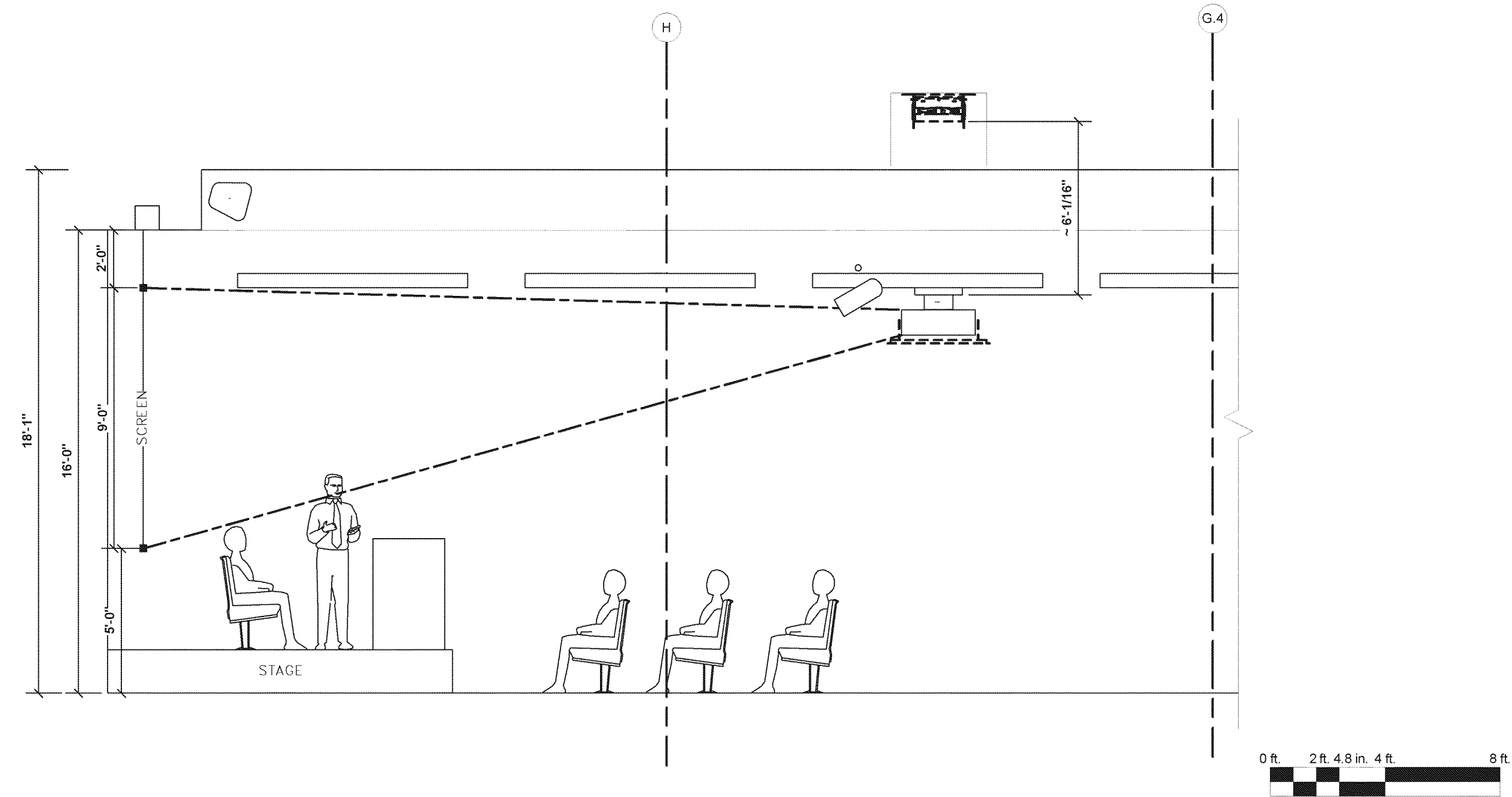
LEGEND - MISCELLANEOUS

SYMBOL	DESCRIPTION
J	JUNCTION BOX - WALL MOUNTED FLUSH MOUNTED IN FINISHED AREAS.
U	JUNCTION BOX - CEILING MOUNTED LOCATED ABOVE ACCESSIBLE CEILING, OR HIGH TO STRUCTURE IN UNFINISHED AREAS
P	PULL BOX - WALL MOUNTED FLUSH MOUNTED IN FINISHED AREAS. NO SPLICES/CABLE CONNECTIONS PERMITTED IN THIS BOX.
Ⓟ	PULL BOX - CEILING MOUNTED LOCATED ABOVE ACCESSIBLE CEILING, OR HIGH TO STRUCTURE IN UNFINISHED AREAS. NO SPLICES/CABLE CONNECTIONS PERMITTED IN THIS BOX.
⚡	DEVICE LOCATION MODIFIER PROVIDES CLARIFICATION AS TO THE INTENDED LOCATION OF A DEVICE. GENERALLY USED WHEN DEVICES ARE TO BE LOCATED IN CLOSE PROXIMITY HORIZONTALLY, OR ORIENTED VERTICALLY, BUT DRAWING SCALE DOES NOT ALLOW THIS TO BE SHOWN WITH VISUAL CLARITY.
XXXX	LOCATION LABEL AN ABBREVIATION USED TO UNIQUELY IDENTIFY A LOCATION ON A DRAWING. SPECIFICATIONS, SYSTEM DRAWING AND DETAILS REFER TO THIS LOCATION. ID TEXT VARIES.
XXXX	DEVICE ID LABEL USED TO UNIQUELY IDENTIFY A DEVICE ON A DRAWING. OFTEN USED TO ASSOCIATE THE INSTALLED LOCATION OF A DEVICE (AS DEPICTED ON A PLAN DRAWING) WITH ADDITIONAL INFORMATION ABOUT THE DEVICE AS INDICATED ON THE COMMUNICATION TECHNOLOGY SYSTEM, DETAIL AND ELEVATION DRAWING. ID TEXT VARIES.
XXXX	ROUTING DESTINATION IDENTIFIERS IDENTIFIES THE DEVICE/LOCATION TO THE WIRE WAY AND CABLING SHALL BE ROUTED. PROVIDE CONDUIT AND CABLING AS LISTED AND AS SPECIFIED.
⌈	CONDUIT SLEEVE 2" DIAMETER UNLESS OTHERWISE NOTED; PROVIDE FIRE STOPPING; ROUTE FROM ACCESSIBLE CEILING TO ACCESSIBLE CEILING
⌋	CONDUIT STUB UP INTO ACCESSIBLE CEILING QUANTITY AND SIZE OF CONDUIT PER LEGEND; AS SPECIFIED; AS NOTED.
⌋	CONDUIT(S) BENEATH FINISHED FLOOR QUANTITY AND SIZE OF CONDUIT AS NOTED AND AS LISTED AND AS SPECIFIED

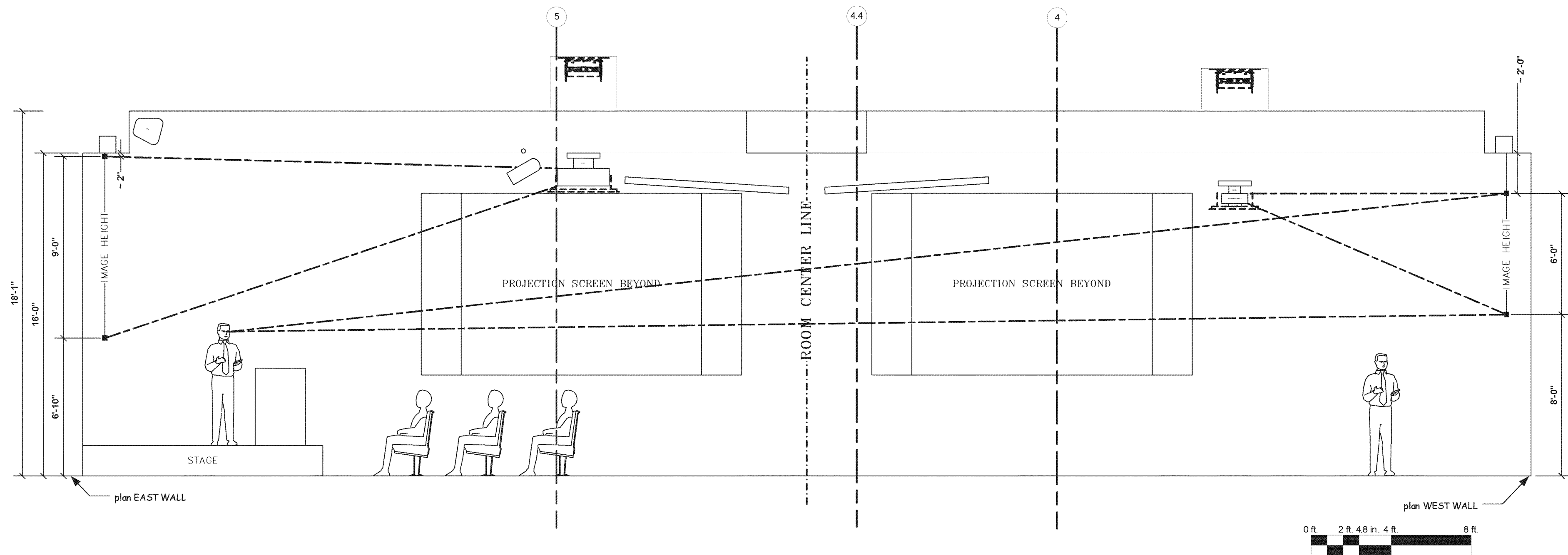
NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.



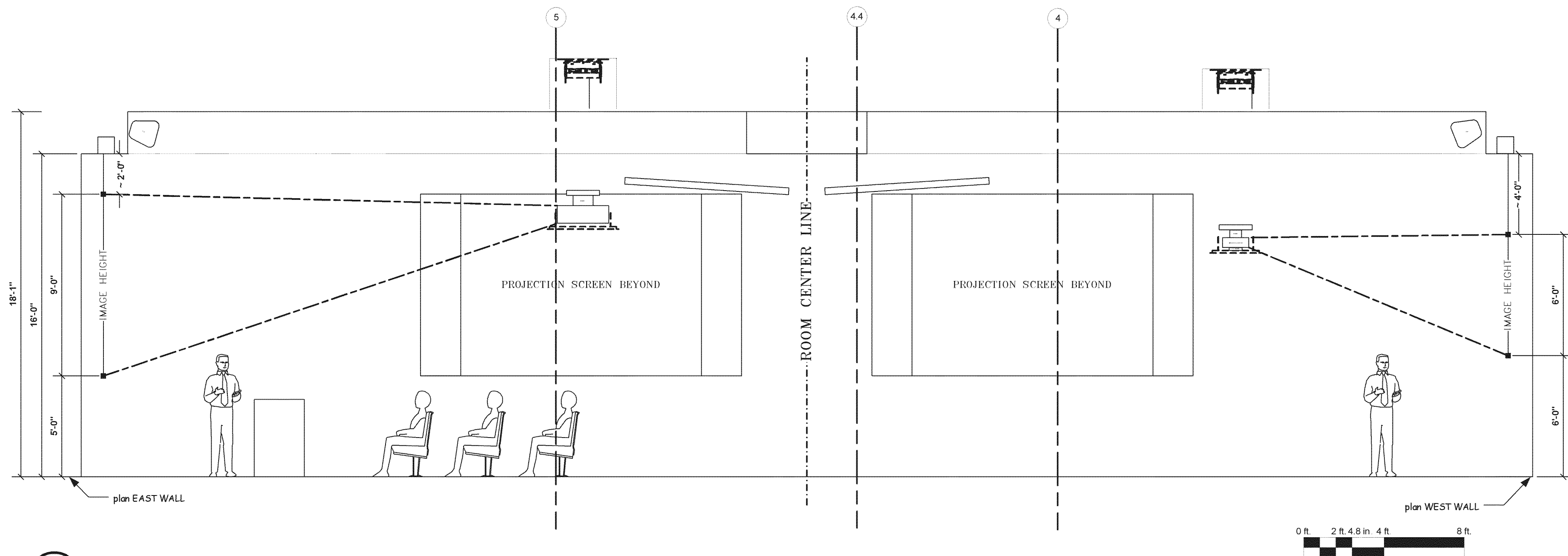
REVISIONS		DATE	Student Union		
1	AV BID	11/19/07	Northern Kentucky University		
2	Re-Bid	12/24/07			
3					
4					
5					
6					
7					
8					
9					
RECORD DATE			AV TECHNOLOGIES LEGEND		DRAWING Nº
DRAWN BY			COMMONWEALTH OF KENTUCKY		AV0.02
CHECKED BY			FINANCE AND ADMINISTRATION CABINET		
A & E FILE Nº			DIVISION OF ENGINEERING		
7700CT002			DEPARTMENT FOR FACILITIES MANAGEMENT		
DATE			Omni		REVIEWED
AUG 2007			ARCHITECTS		BY. OF ENGR.
			215 North Upper Street Louisville, Kentucky 40207-1000 P 502.583.6864 F 502.583.6398 www.omniarchitects.com		ENGR. FILE Nº.
AGENCY AUTHORIZED AGENT			APPROVED FOR PROGRAM CONCEPT ONLY		DATE
DIVISION OF ENGINEERING			APPROVED FOR PROGRAM CONCEPT ONLY		DATE



A PROJECTION SECTION — BALLROOM — SOUTH WALL, EAST & WEST
Scale: 1/2" = 1'-0"



B PROJECTION SECTION — BALLROOM — EAST AND WEST WALLS, CENTER
Scale: 1/2" = 1'-0"




C PROJECTION SECTION — BALLROOM — EAST AND WEST WALLS, NORTH
Scale: 1/2" = 1'-0"

NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

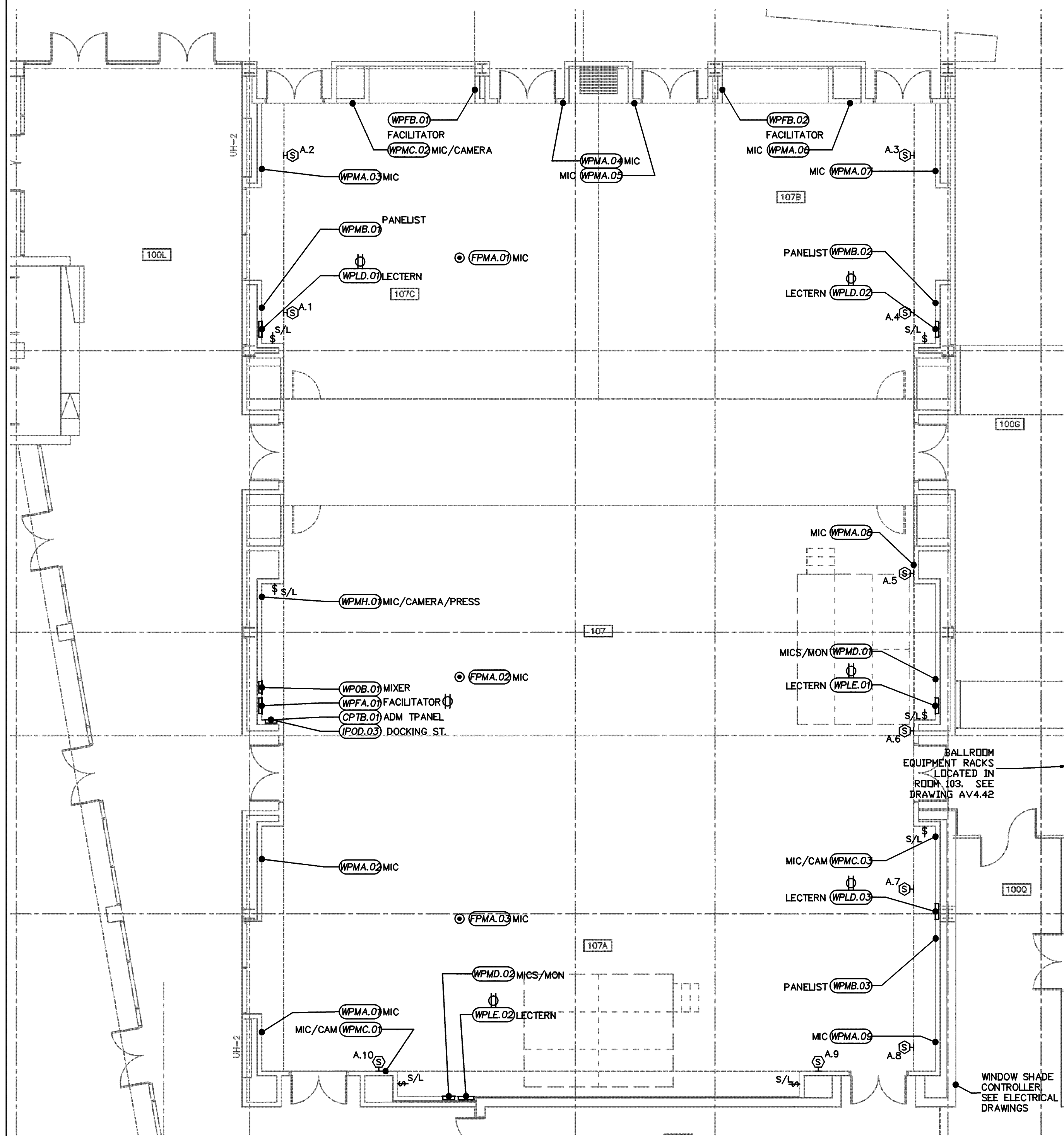


KOHRS LORINGMANN HILL ENGINEERS, PSC
MECHANICAL/ELECTRICAL ENGINEERS
WWW.KLHENGINEERS.COM
1308 ALDAMORA PKG., STE. 11
ST. THOMAS, KENTUCKY 41076
859-554-7763
859-442-8060
859-442-8068 FAX

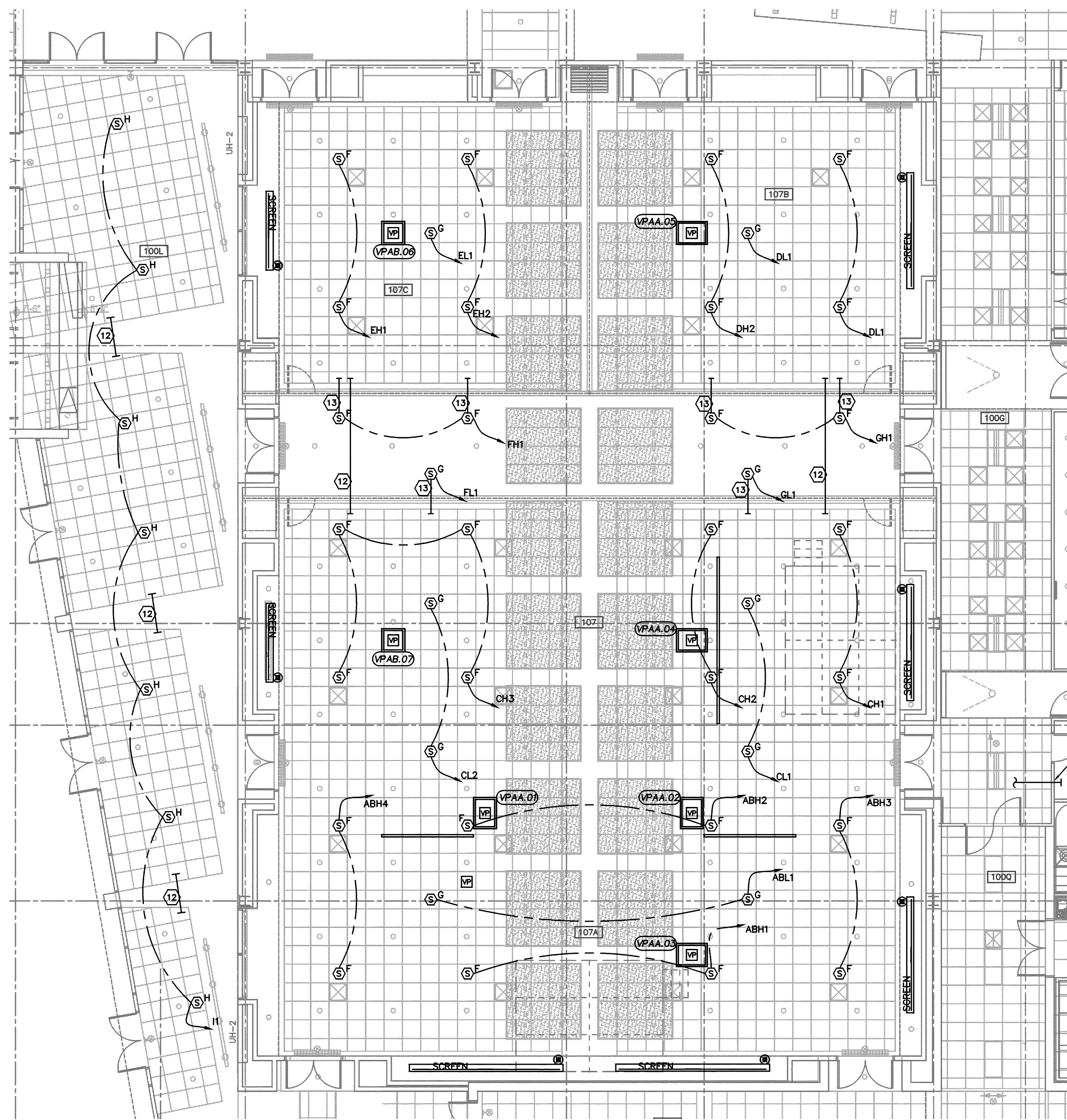
Student Union Northern Kentucky University			DRAWING NO. AV3.40 REVIEWED DIV. OF ENGR. ENGR. FILE NO.
RECORD DATE	AV TECHNOLOGIES PROJECTION SECTIONS		
DRAWN BY MJB	COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DIVISION OF ENGINEERING DEPARTMENT FOR FACILITIES MANAGEMENT FRANKFORT, KENTUCKY		
CHECKED BY MJB			
A & E FILE NO. 7700CT001	 212 North Upper Street Lexington, Kentucky 40501-1001 p 606.253.0666 f 606.253.2320 www.omniarchitects.com		
DATE AUG 2007			
AGENCY AUTHORIZED AGENT	APPROVED FOR PROGRAM CONCEPT ONLY	DATE	
DIVISION OF ENGINEERING	APPROVED FOR PROGRAM CONCEPT ONLY	DATE	



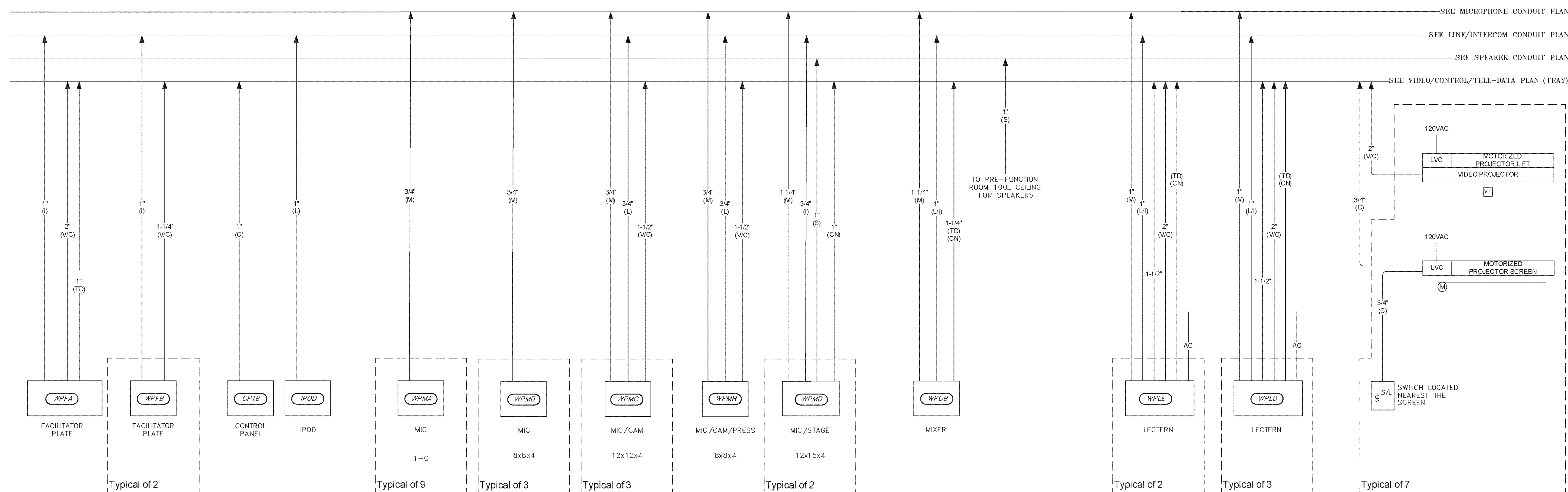
215 North Upper Street
Lexington, Kentucky 40507-1100
P 859.253.0864 F 859.253.0399
www.omniarchitects.com



AV TECHNOLOGY PLAN – BALLROOM & PRE-FUNCTION
SCALE: 1/8" = 1'-0"

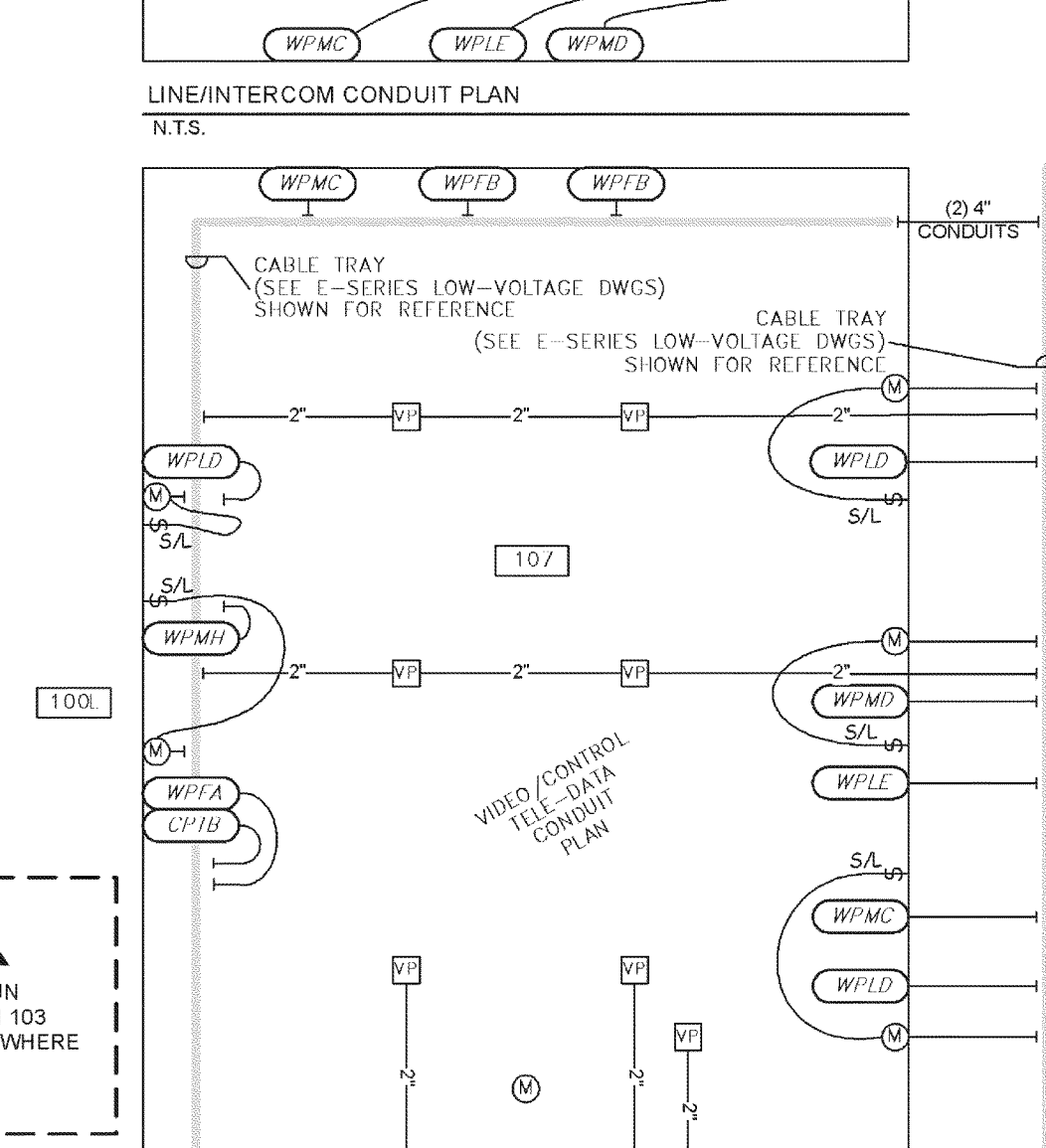
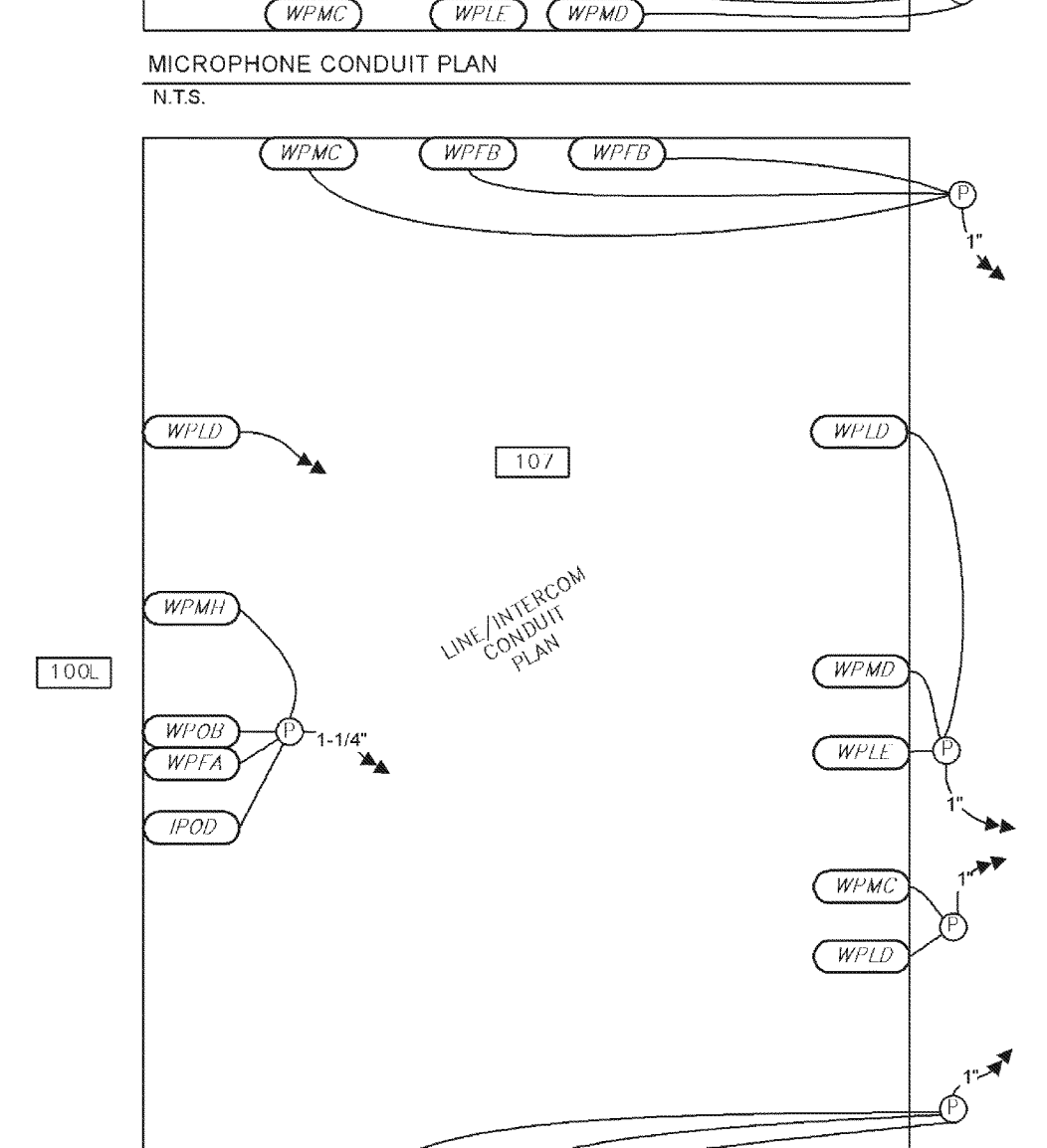
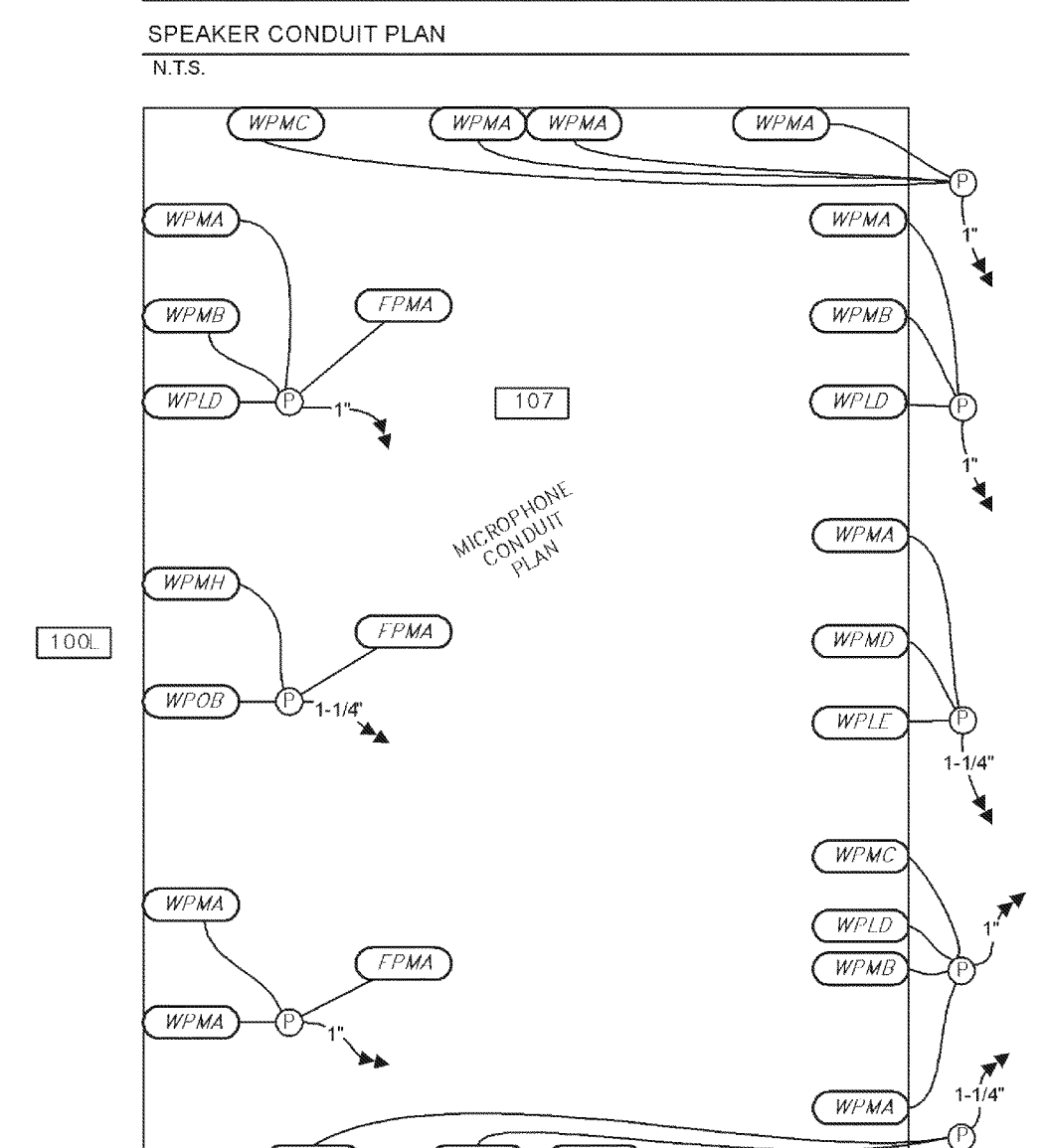
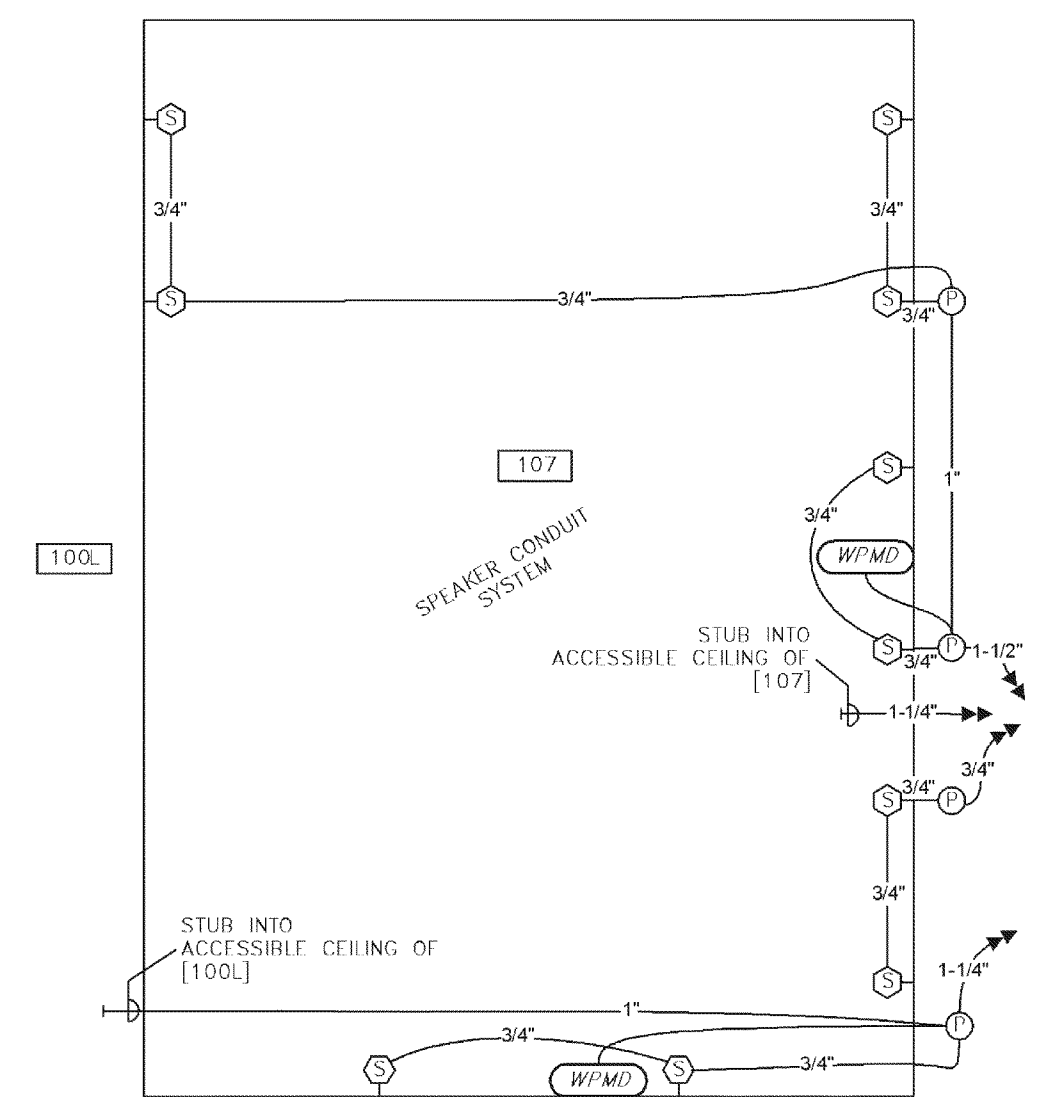


AV TECHNOLOGY REFLECTED PLAN – BALLROOM & PRE-FUNCTION
SCALE: 1/8" = 1'-0"



AV TECHNOLOGY PATHWAY RISER – BALLROOM
SCALE: 1/8" = 1'-0"

- KEYED NOTES:
1. INSTALL CEILING SPEAKER IN GYPOBOARD CEILING BENEATH OPEN CEILING GRID.
 2. INSTALL CEILING SPEAKER FLUSH IN FINISHED CEILING.
 3. HOME RUN CONDUIT TO AV PULL BOX ABOVE RACK IN ROOM 100B.
 4. 3/4" CONDUIT TO ABOVE ACCESSIBLE CORRIDOR CEILING.
 5. 3/4" CEILING SPEAKER INTERCONNECT CONDUIT (TYPICAL).
 6. LOCATE JUNCTION BOXES FOR THESE SPEAKERS IN CEILING NEAR FRONT OF STAGE. COORDINATE LOCATION IN FIELD WITH DESIGNER.
 7. 3/4" CONDUIT TO CABLE TRAY IN ROOM 100. TAP SPEAKERS THIS CIRCUIT # 5 WATTS EACH. HOME RUN SPEAKER CABLE TO EQUIPMENT RACK(S) LOCATED AT WEST END OF ROOM 100.
 8. TAP SPEAKER THIS CIRCUIT # 5 WATTS EACH. HOME RUN SPEAKER CABLE FROM SPEAKER SHOWN TO EQUIPMENT RACK IN ROOM 100B.
 9. INTERCONNECT SPEAKERS AS SHOWN. USE APPROVED J-HOOK PATHWAY FOR SUPPORT OF SPEAKER CABLE ABOVE ACCESSIBLE CEILING.
 10. INTERCONNECT SPEAKERS AS SHOWN. USE APPROVED J-HOOK PATHWAY FOR SUPPORT OF CABLE ABOVE ACCESSIBLE CEILING. TAP SPEAKERS # 5 WATTS EACH. ROUTE TO EQUIPMENT RACK DESIGNATED.
 11. INTERCONNECT SPEAKERS AS SHOWN. USE APPROVED J-HOOK PATHWAY FOR SUPPORT OF CABLE ABOVE ACCESSIBLE CEILING. TAP SPEAKERS # 5 WATTS EACH. ROUTE TO EQUIPMENT RACKS LOCATE IN WEST END OF ROOM 100.
 12. 1" CONDUIT SLEEVE FOR SPEAKER WIRE(S). ROUTE FROM ACCESSIBLE CEILING TO ABOVE ACCESSIBLE CEILING.
 13. 3/4" CONDUIT FROM SPEAKER TO ABOVE ACCESSIBLE CEILING.



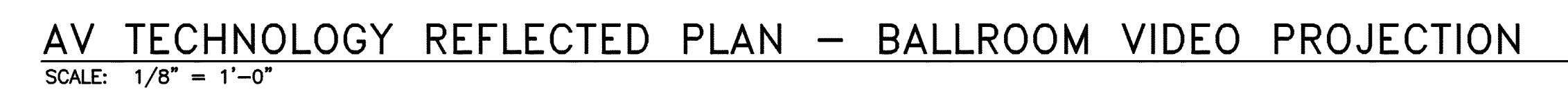
REVISIONS		DATE	RECORD DATE	DRAWING NO.
1	For Rough-In Only	8/27/07		AV4.40A
2	Add Spkrs/Notes	9/06/07		
3	AV BID	11/19/07		
4	Re-Bid	12/24/07		
5				
6				
7				
8				
9				

Student Union Northern Kentucky University		DRAWING NO.
AV TECHNOLOGIES PLAN & PATHWAY RISERS		AV4.40A
COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DIVISION OF ENGINEERING DEPARTMENT FOR FACILITIES MANAGEMENT FRANKFORT, KENTUCKY		FORMERLY CT4.40 REVIEWED DIV. OF ENGR.
A & E FILE NO. 7700CT440		ENGR. FILE NO.
DATE AUG 2007		

KOHRS LONNEMANN HILL ENGINEERS, P.C.		Omni ARCHITECTS	
1308 ALDAMURA RD., STE. 11 ST. THOMAS, KENTUCKY 40370 502-254-1733 502-254-1735 502-442-8058 FAX		215 North Upper Street Lexington, Kentucky 40507-1000 606-253-0866 www.omniarchitects.com	

AGENCY AUTHORIZED AGENT		DATE
APPROVED FOR PROGRAM CONCEPT ONLY		
APPROVED FOR PROGRAM CONCEPT ONLY		

NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

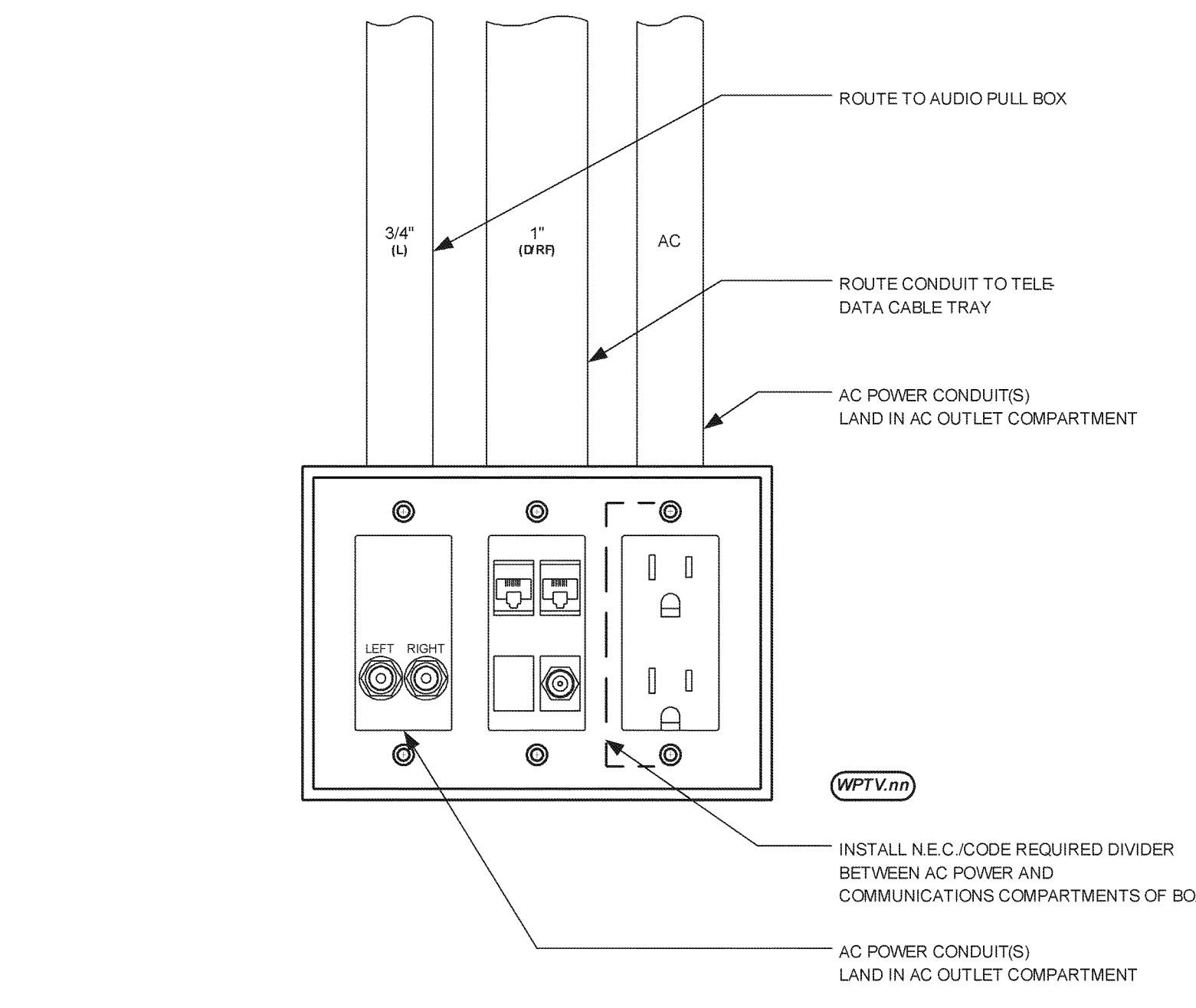
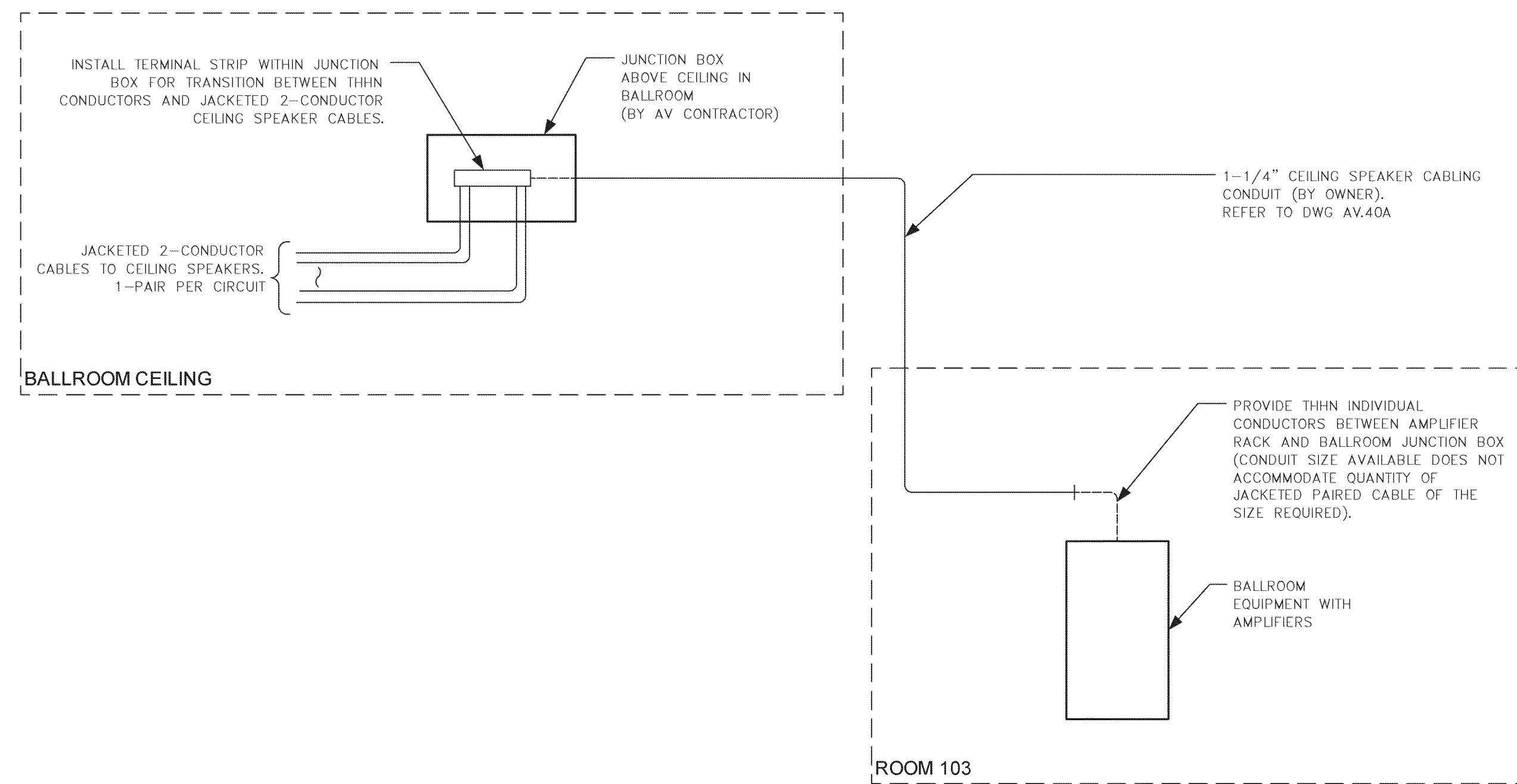
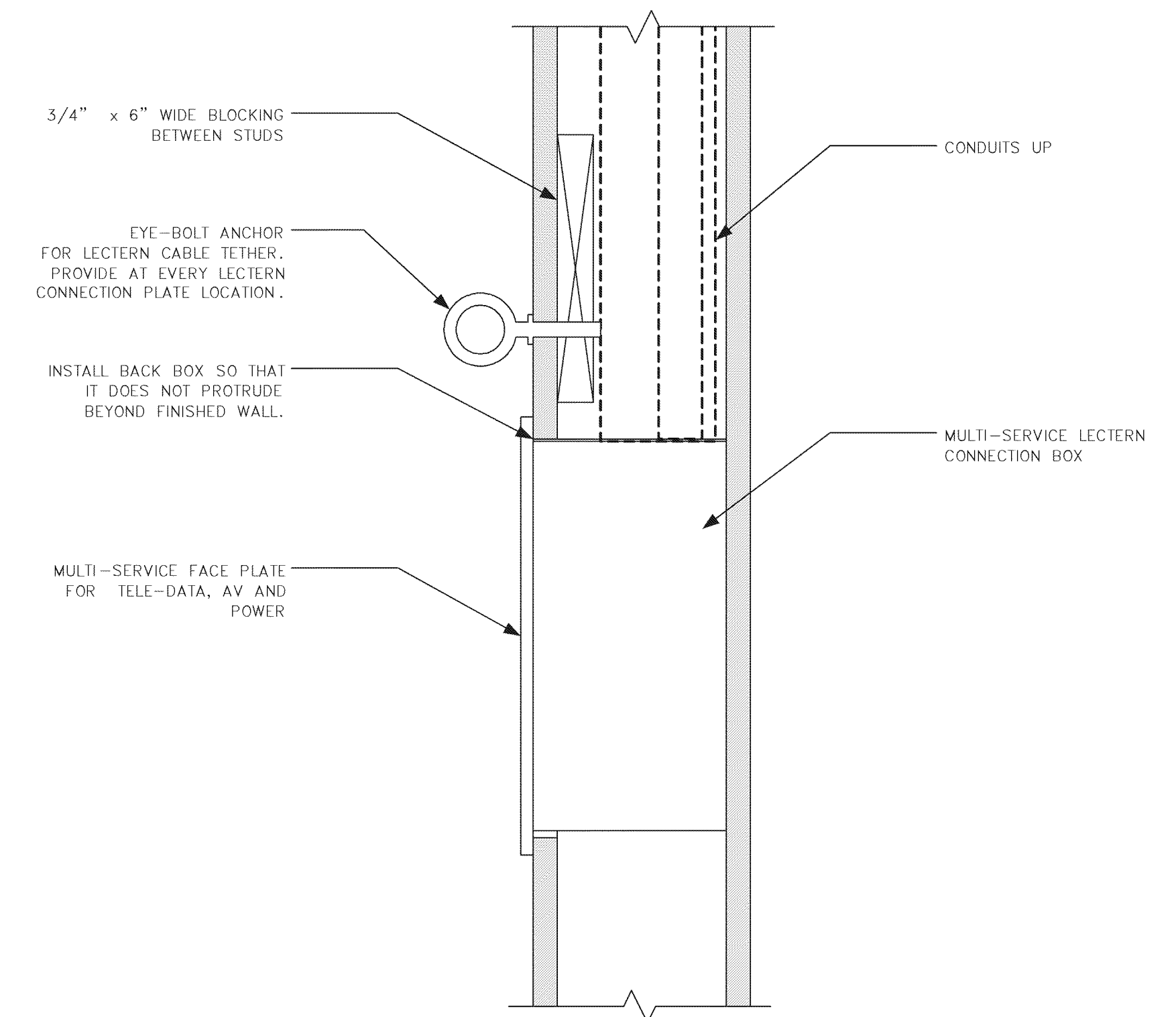
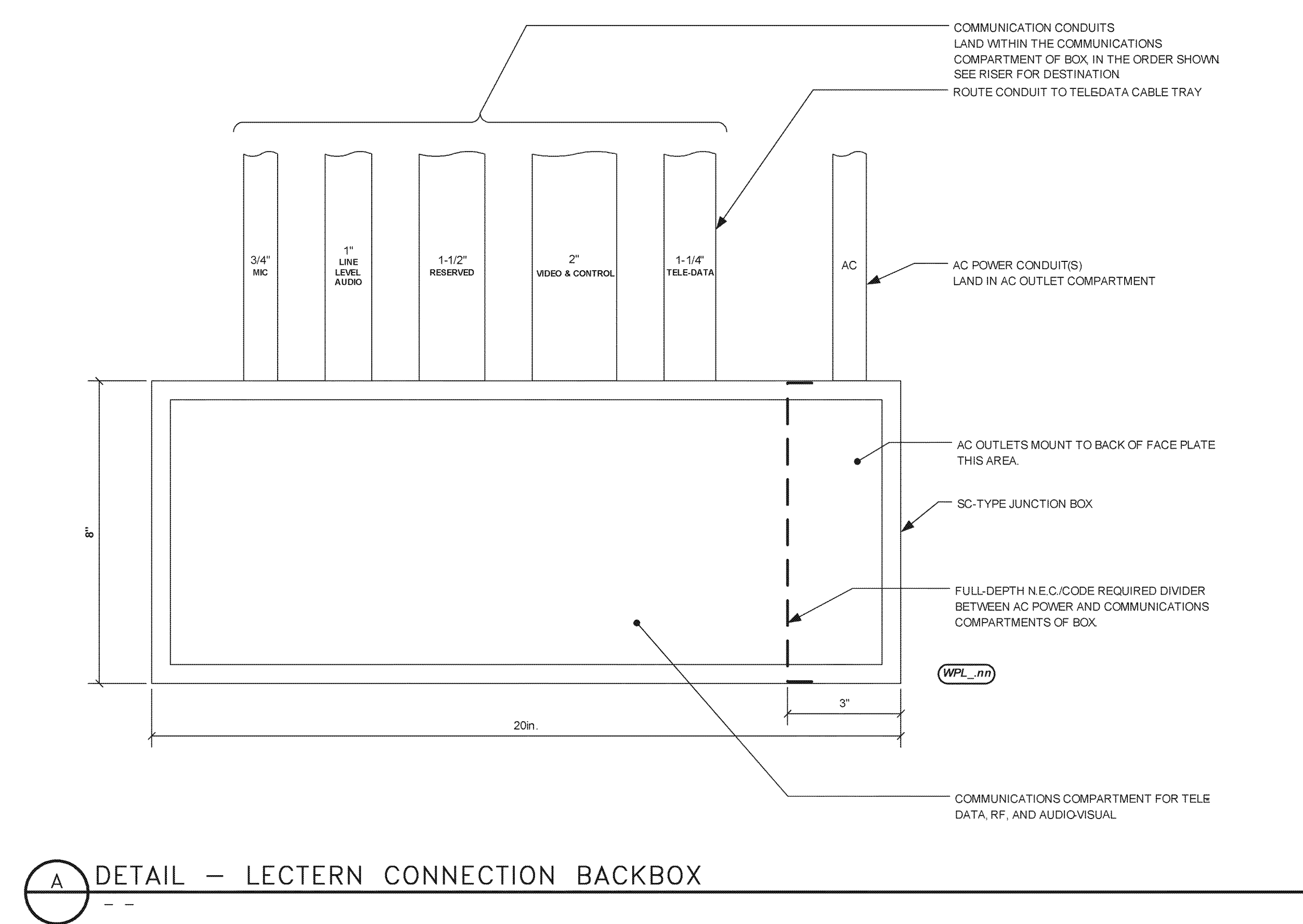
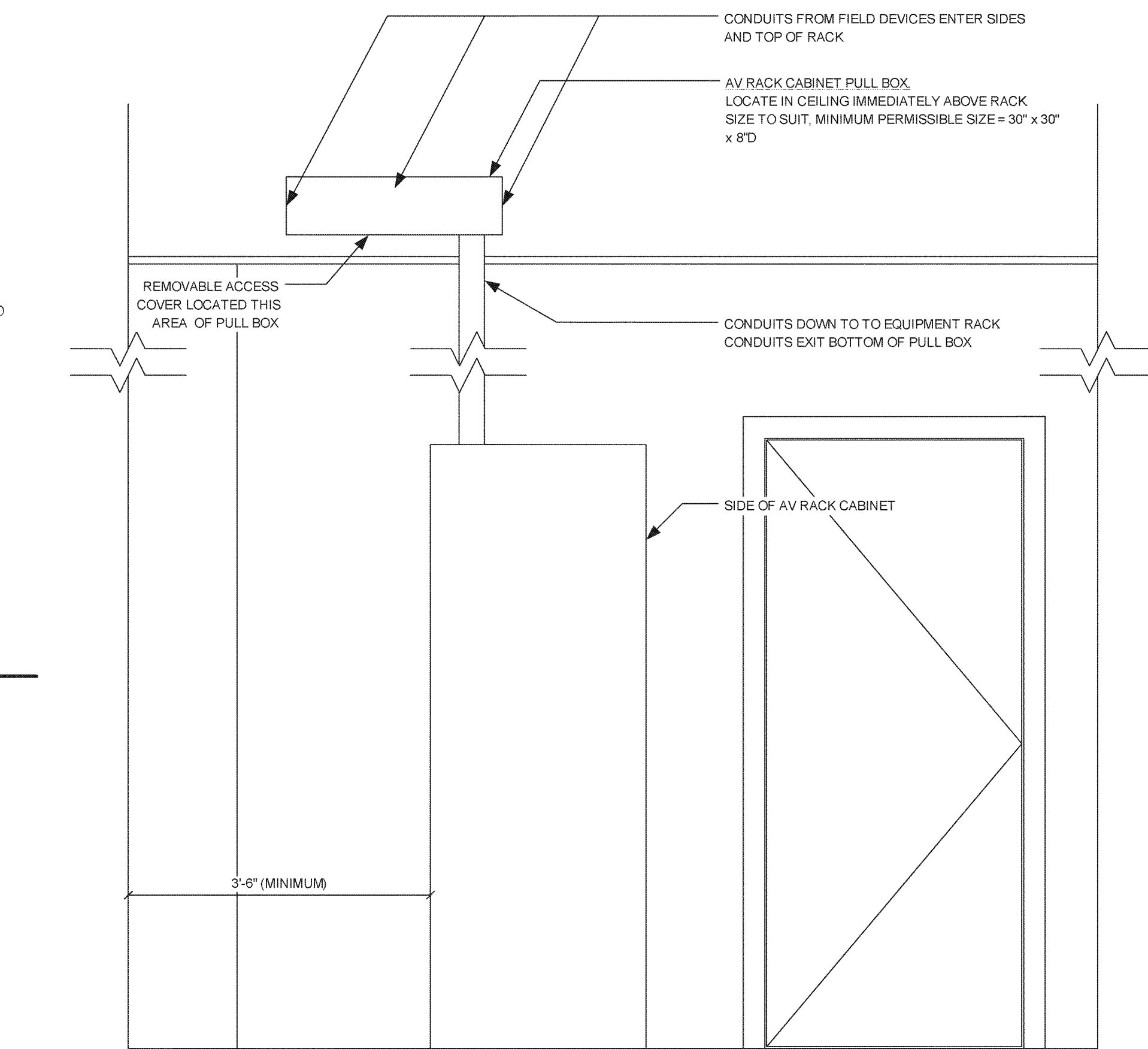
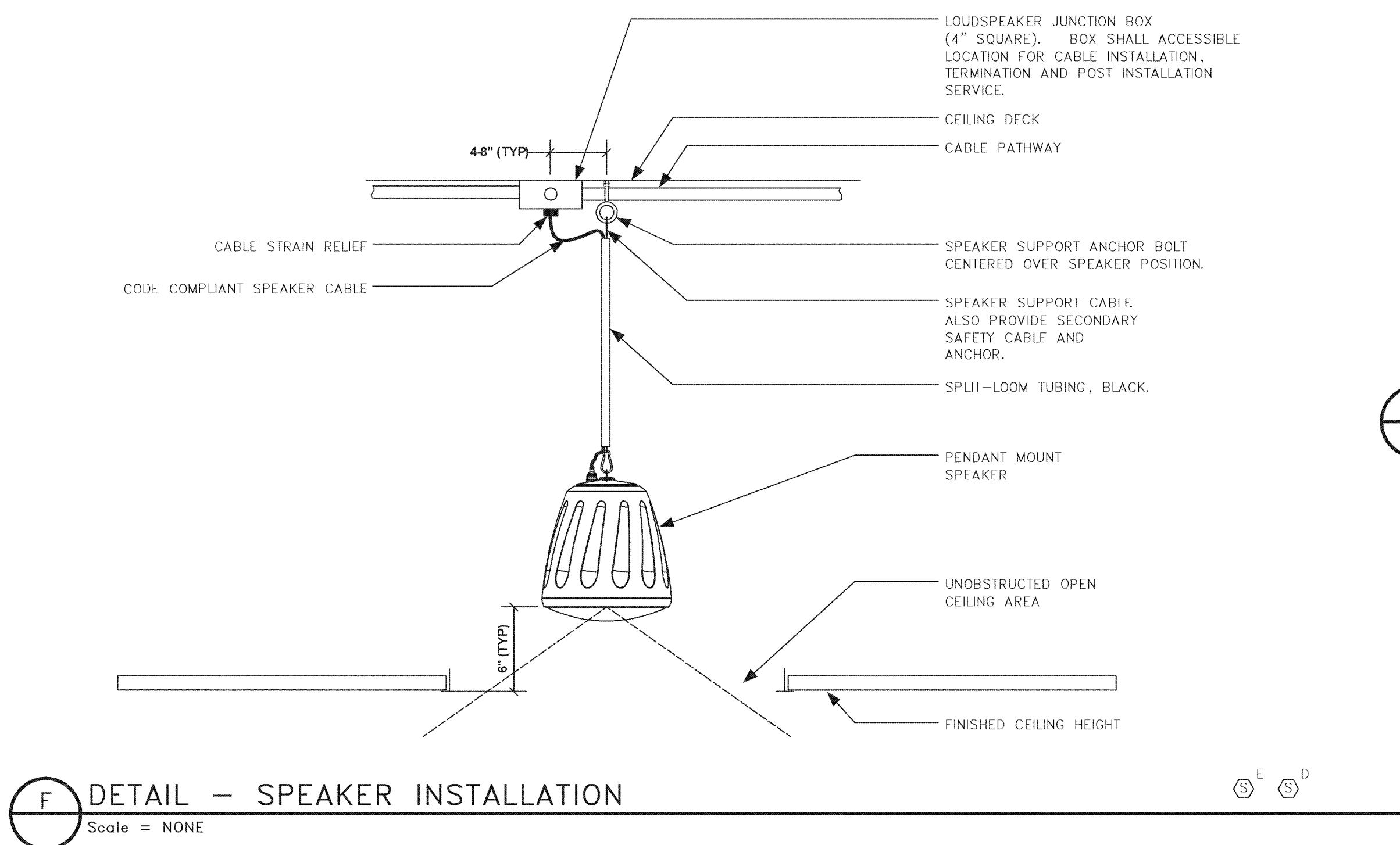
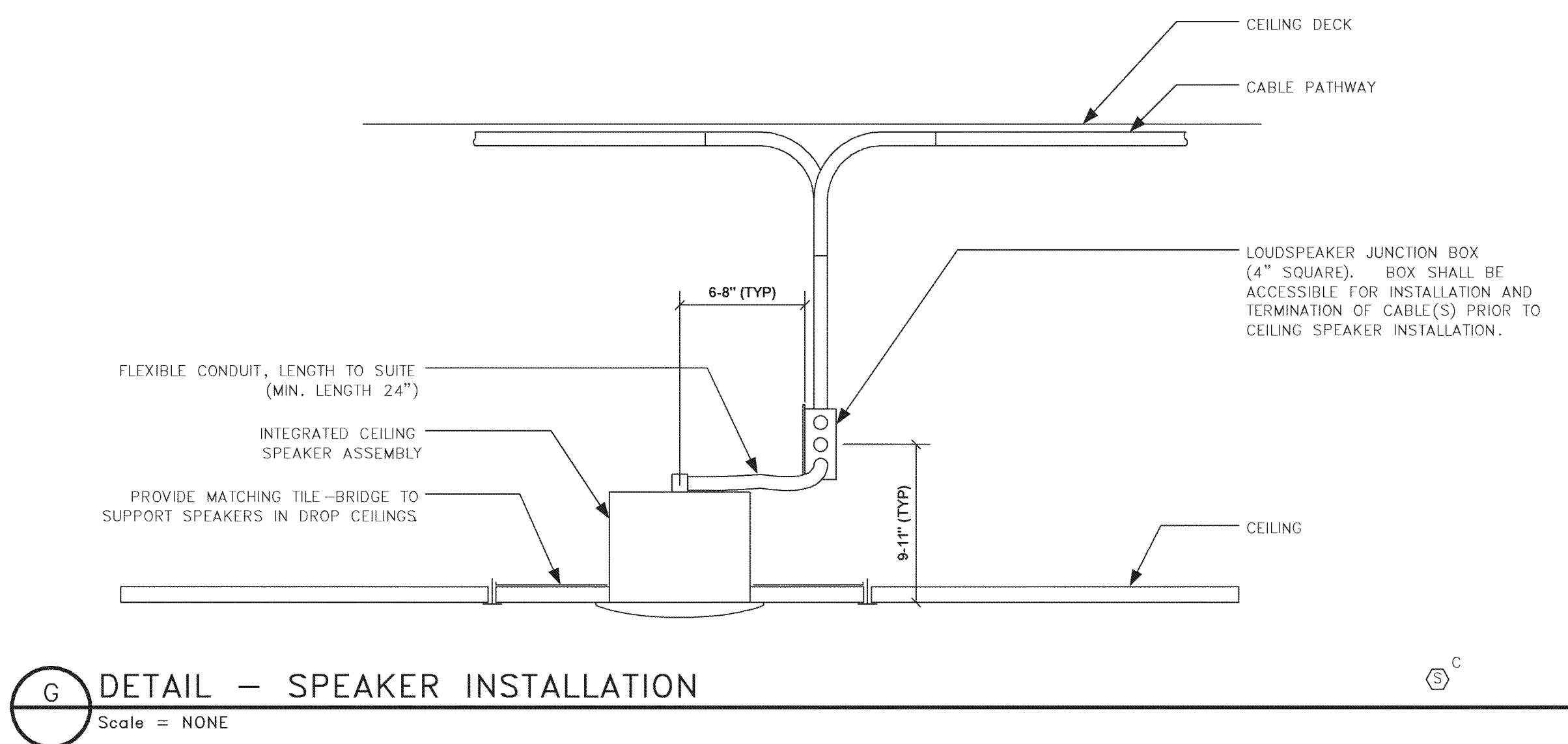


NORTH CAROLINA STATE UNIVERSITY

DRAWING Nº	AV4.40B
REVIEWED DIV. OF ENGR.	
ENGR. FILE NO.	

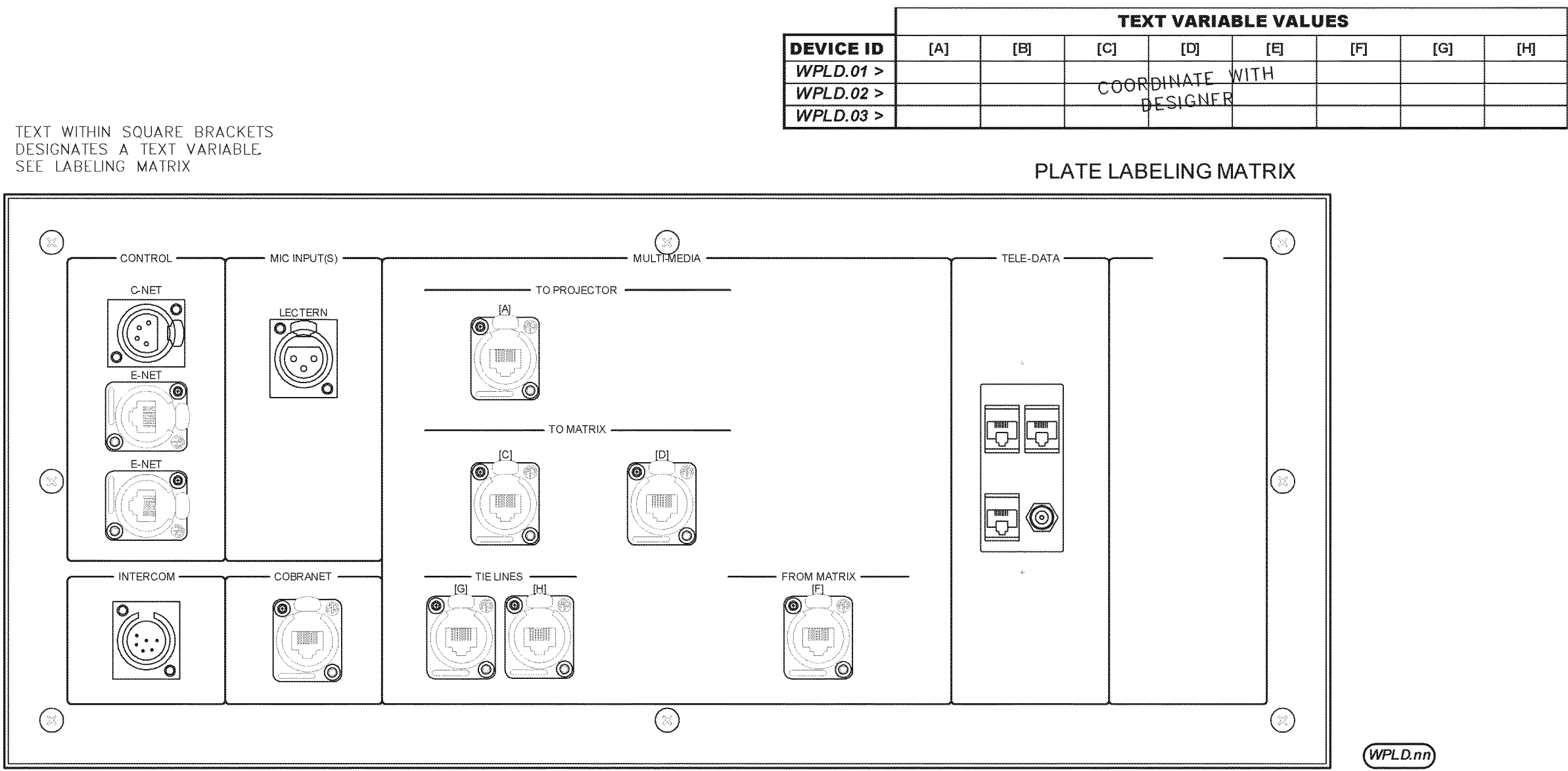
Lexington, Kentucky 40507-1001
p 859.252.6684 f 859.253.2366
www.cemilarchitects.com

AGENCY AUTHORIZED AGENT _____ DATE _____
 DIVISION OF ENGINEERING APPROVED FOR PROGRAM CONCEPT ONLY
 _____ DATE _____

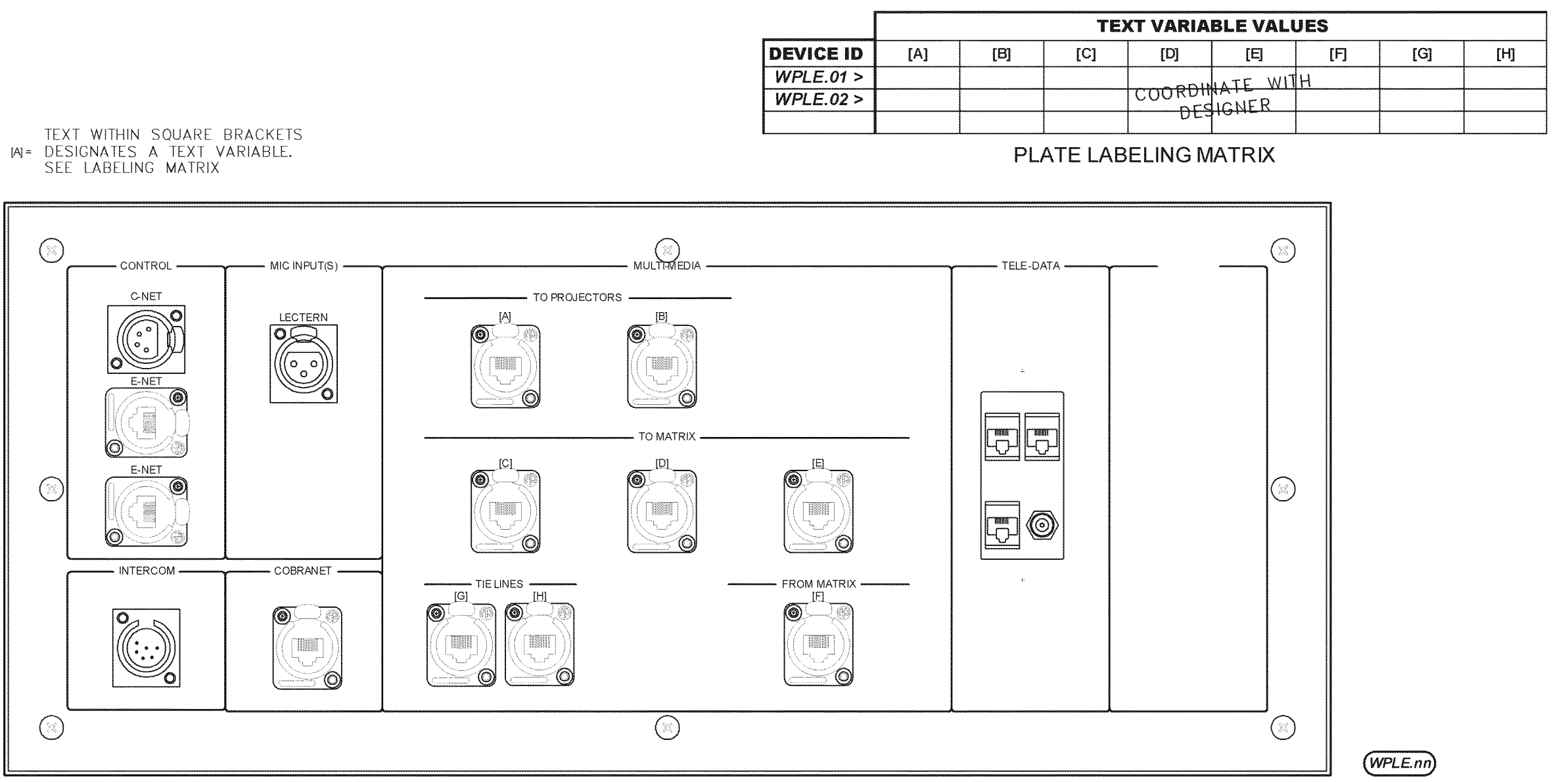


NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

REVISIONS 1 For Rough-in Only 8/14/07 2 Add Details 9/06/07 3 AV BID 11/19/07 4 Re-Bid 12/24/07 5 6 7 8 9		DATE 8/14/07 9/06/07 11/19/07 12/24/07 	RECORD DATE 8/14/07 9/06/07 11/19/07 12/24/07 	DRAWN BY MJB CHECKED BY MJB A & E FILE # 7700CT501 DATE AUG 2007	Student Union Northern Kentucky University AV TECHNOLOGIES DETAILS COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DIVISION OF ENGINEERING DEPARTMENT FOR FACILITIES MANAGEMENT FRANKFORT, KENTUCKY	DRAWING # AV5.01 REVIEWED DIV. OF ENGR. ENGR. FILE NO.
AGENCY AUTHORIZED AGENT APPROVED FOR PROGRAM CONCEPT ONLY APPROVED FOR PROGRAM CONCEPT ONLY		DATE _____ DATE _____		Omni ARCHITECTS 215 North Upper Street Lexington, Kentucky 40507-1000 P 502.252.8864 F 502.252.2398 www.omniarchitects.com		



D WALL PANEL – LECTERN CONNECTIONS – BALLROOM
Scale: 1/2" = 1"



E WALL PANEL– LECTERN CONNECTIONS – BALLROOM
Scale: 1/2" = 1"

- GENERAL PLATE & PANEL NOTES:
- CONTRACTOR IS RESPONSIBLE FOR FINAL COORDINATION AND RECONCILIATION OF ALL PLATES AND PANELS AGAINST SYSTEM DIAGRAM AND DETAILS PRIOR TO FABRICATION.
 - CONTRACTOR SHALL MAKE SURE THAT ALL REQUIRED CONNECTORS ARE PRESENT AND THAT ALL LABELING IS CONSISTENT AND LOGICAL BEFORE FABRICATION.
 - SHOP DRAWINGS FROM THE PLATE MANUFACTURER DEPICTING THE FINAL LAYOUT OF ALL PLATES AND PANELS SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION.

NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

REVISIONS		DATE	Student Union Northern Kentucky University		DRAWING NO.
1	AV BID	11/19/07	RECORD DATE	AV TECHNOLOGIES DETAILS WALL PLATES/PANELS	AV5.03
2	Re-Bid	12/24/07	DRAWN BY	COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET	
3			CHECKED BY	DIVISION OF ENGINEERING DEPARTMENT FOR FACILITIES MANAGEMENT FRANKFORT, KENTUCKY	REVIEWED DIV. OF ENGR.
4			A & E FILE NO.	7700CT503	ENGR. FILE NO.
5			DATE	AUG 2007	
6			AGENCY	Omni ARCHITECTS	
7			AUTHORIZED AGENT	APPROVED FOR PROGRAM CONCEPT ONLY	DATE
8			DIVISION OF ENGINEERING	APPROVED FOR PROGRAM CONCEPT ONLY	DATE
9					

BEK
KORRS LONNEMANN HIEL
ENGINEERS, P.C.
MECHANICAL/ELECTRICAL ENGINEERS
WWW.KLENGERS.COM

1538 ALDAMURA PKW. STE. 11
ST. THOMAS, KENTUCKY 41076
502-554-1783
502-554-1785
502-442-8000
502-442-8008 FAX

333 W. FIRST STREET, STE. 415
DAYTON, OHIO 45402
937-235-9755
937-235-9752 FAX

The diagram illustrates the station's layout, organized into several functional areas:

- CONTROL SYSTEM:** Located at the top left, it includes a C-NET control room with a large circular monitor and a control console, and an E-NET control room with a smaller monitor and control console.
- MULTI-MEDIA:** Located at the top center, it contains a row of eight control consoles, each with a monitor and control panel, labeled with callouts like (M) and (C).
- TELE DATA:** Located at the top right, it features a row of four control consoles, each with a monitor and control panel, labeled with callouts like (M) and (C).
- INTERCOM:** Located at the bottom left, it includes a control console with a monitor and control panel, labeled with callouts like (M) and (C).
- TELE UNITS:** Located at the bottom center, it contains a row of eight control consoles, each with a monitor and control panel, labeled with callouts like (M) and (C).
- LIGHTING:** Located at the bottom right, it features a control console with a monitor and control panel, labeled with callouts like (M) and (C).

The diagram also includes a legend for symbols: 'C' for control, 'M' for monitor, and 'L' for lighting. Dimensions are provided for various areas, such as 10' x 10' for the control rooms and 10' x 10' for the studios. The overall layout is designed to facilitate efficient workflow and communication between different departments.

TEXT WITHIN SQUARE BRACKETS
DESIGNATES A TEXT VARIABLE.
COORDINATE WITH DESIGNER

The diagram shows a 4x4 grid of square modules, each with a circular connector on its front face. The modules are arranged in four rows and four columns. The top row is labeled 'CONTROL SYSTEM' and 'MULTIMEDIA'. The second row is labeled 'C-NET' and 'MATRIX'. The third row is labeled 'E-NET' and 'MATRIX'. The fourth row is labeled 'INTERCOM' and 'TIE LINES'. Each module has a unique internal design and a circular connector with a specific pattern of pins or ports. The modules are connected to each other by lines, indicating a network or system architecture. The diagram is enclosed in a rectangular frame with a double-line border. The text 'TEXT WITHIN SQUARE BRACKETS DESIGNATES A TEXT VARIABLE. COORDINATE WITH DESIGNER' is located at the top left of the page.

CONTROL SYSTEM

MULTIMEDIA

C-NET

MATRIX

E-NET

MATRIX

INTERCOM

TIE LINES

WFFM

TEXT WITHIN SQUARE BRACKETS
DESIGNATES A TEXT VARIABLE.
COORDINATE WITH DESIGNER


The diagram illustrates a control room layout with the following components and connections:


- COBURNET**: A rack containing 10 units, arranged in two columns of five. Each unit is labeled with a text variable in square brackets, such as [PT], [MT], [ST], [MT], [ST], [MT], [ST], [MT], [ST], and [MT].
- INTERCOM**: A rack containing 1 unit, labeled with a text variable in square brackets.
- CONTROL**: A rack containing 2 units, labeled with text variables in square brackets.
- SOUND SYSTEM LINE INPUTS**: A rack containing 6 units, labeled with text variables in square brackets.
- MONITORS**: A rack containing 2 units, labeled with text variables in square brackets.
- HOUSE BOUN**: A rack containing 1 unit, labeled with a text variable in square brackets.
- LEFT**: A rack containing 1 unit, labeled with a text variable in square brackets.
- RIGHT**: A rack containing 1 unit, labeled with a text variable in square brackets.
- CHINA**: A rack containing 1 unit, labeled with a text variable in square brackets.
- CHB**: A rack containing 1 unit, labeled with a text variable in square brackets.

Connections are indicated by lines between the racks, showing the flow of audio and video signals between the various components.

NOTE:

IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW AN INTERFERED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

		REVISIONS DATE 1 AV BID 11/19/07 2 Re-Bid 12/24/07 3 4 5 6 7 8 9		RECORD DATE DRAWN BY CHECKED BY A & E FILE # 7700CT504 DATE AUG 2007 AGENCY AUTHORIZED AGENT DIVISION OF ENGINEERING		AV TECHNOLOGIES DETAILS WALL PLATES/PANELS COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DIVISION OF ENGINEERING DEPARTMENT FOR FACILITIES MANAGEMENT FRANKFORT, KENTUCKY  212 North Upper Street Lexington, Kentucky 40507-1001 P 606.263.6664 F 606.263.3336 www.omniarchitects.com		DRAWING # AV5.04 REVIEWED DIV. OF ENGR. ENGR. FILE NO.	
--	--	---	--	---	--	---	--	--	--



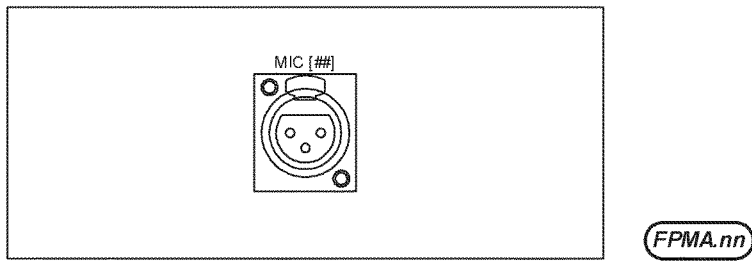
KOHRS LOHRENMANN HEIL
ENGINEERS, P.C.
 MECHANICAL/ELECTRICAL ENGINEERS
WWW.KLEHENG.COM

1536 ALABAMA, P.O. BOX 11
 ST. LOUIS, MISSOURI 63103
 631-443-8050
 631-443-9008 FAX

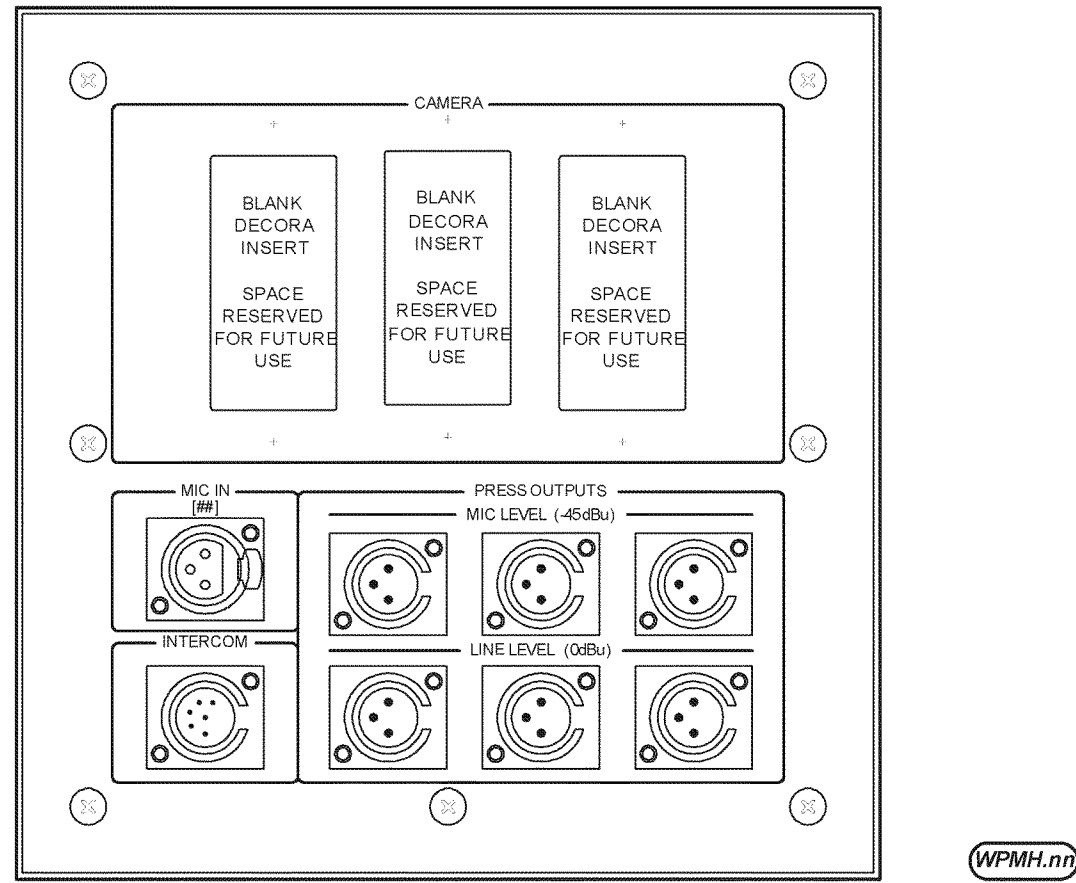
333 W. FIRST STREET, STE. 416
 LEXINGTON, MISS. 38402
 833-670-0752 FAX
 833-670-0752 FAX

NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

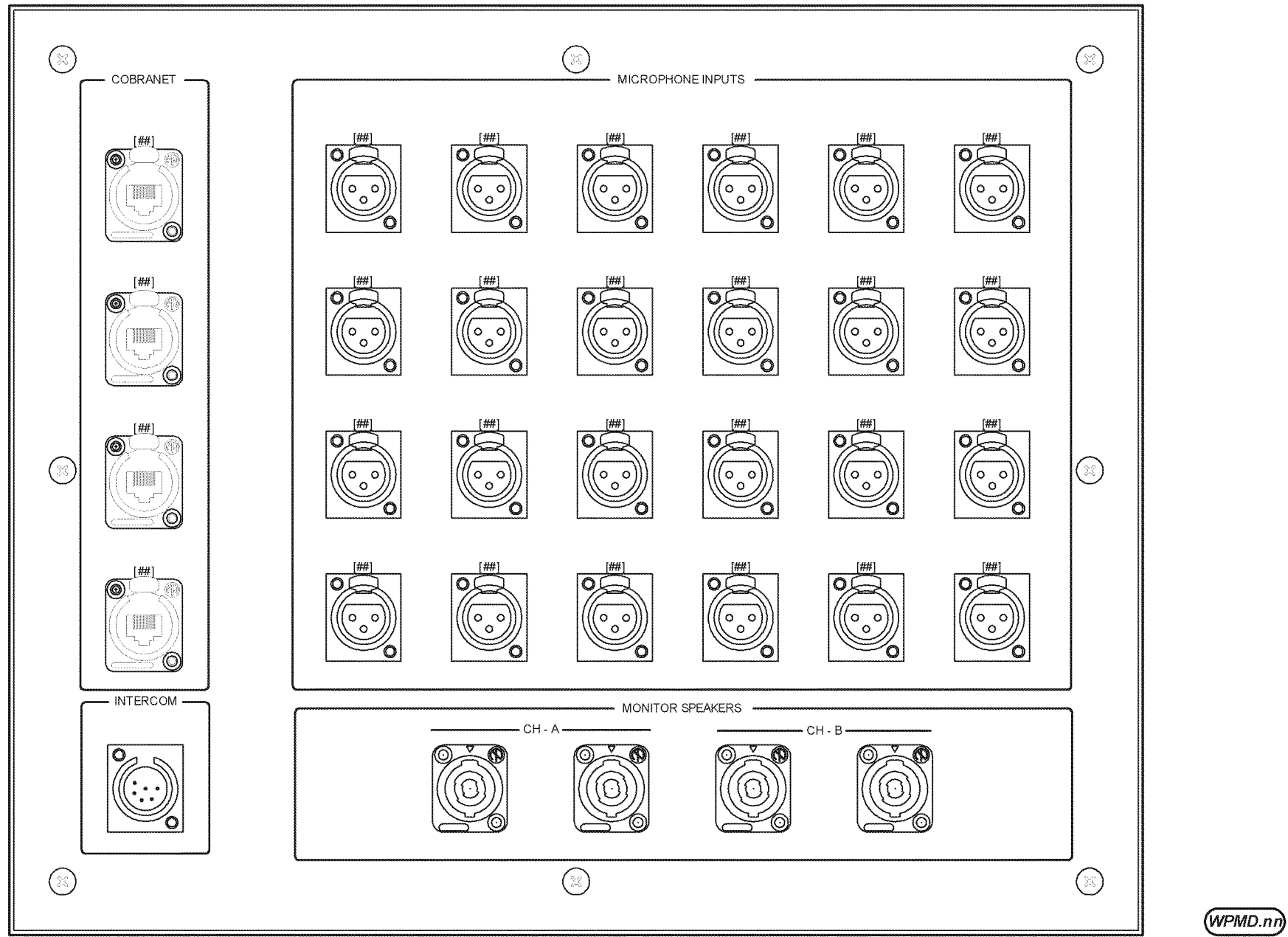
G FLOOR PLATE – BALLROOM
Scale: None



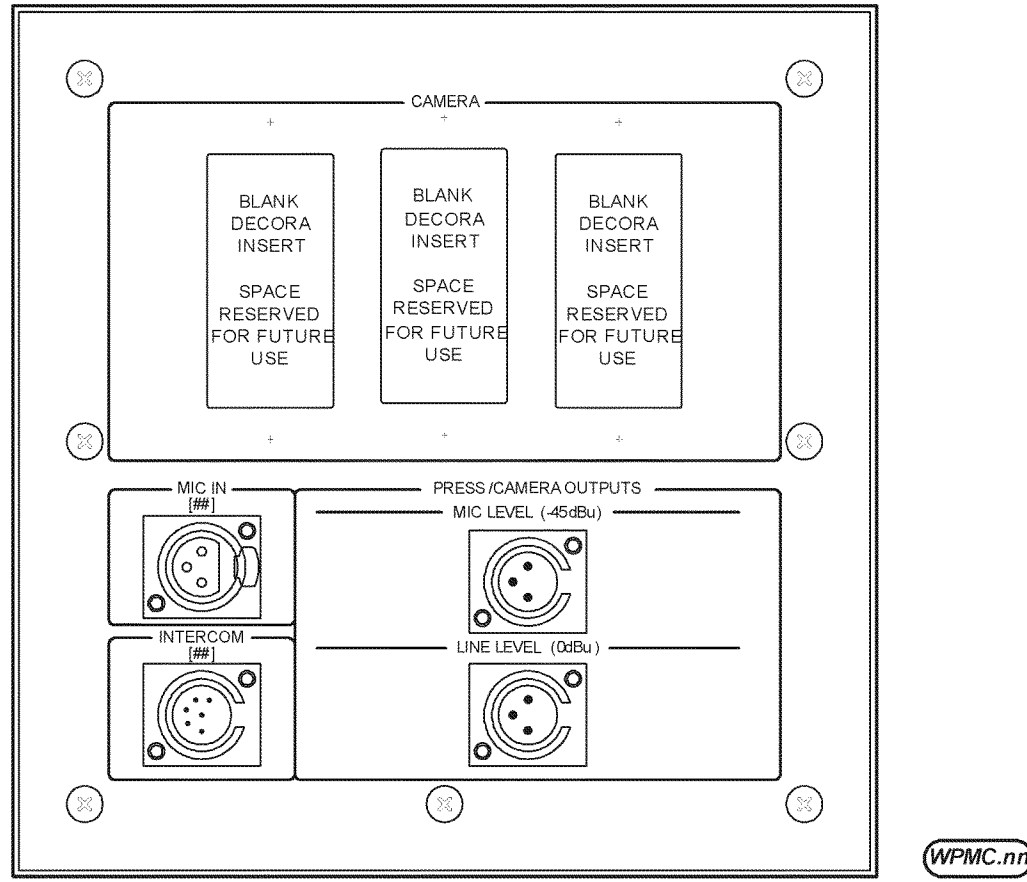
F WALL PANEL– BALLROOM
Scale: 1/2" = 1"



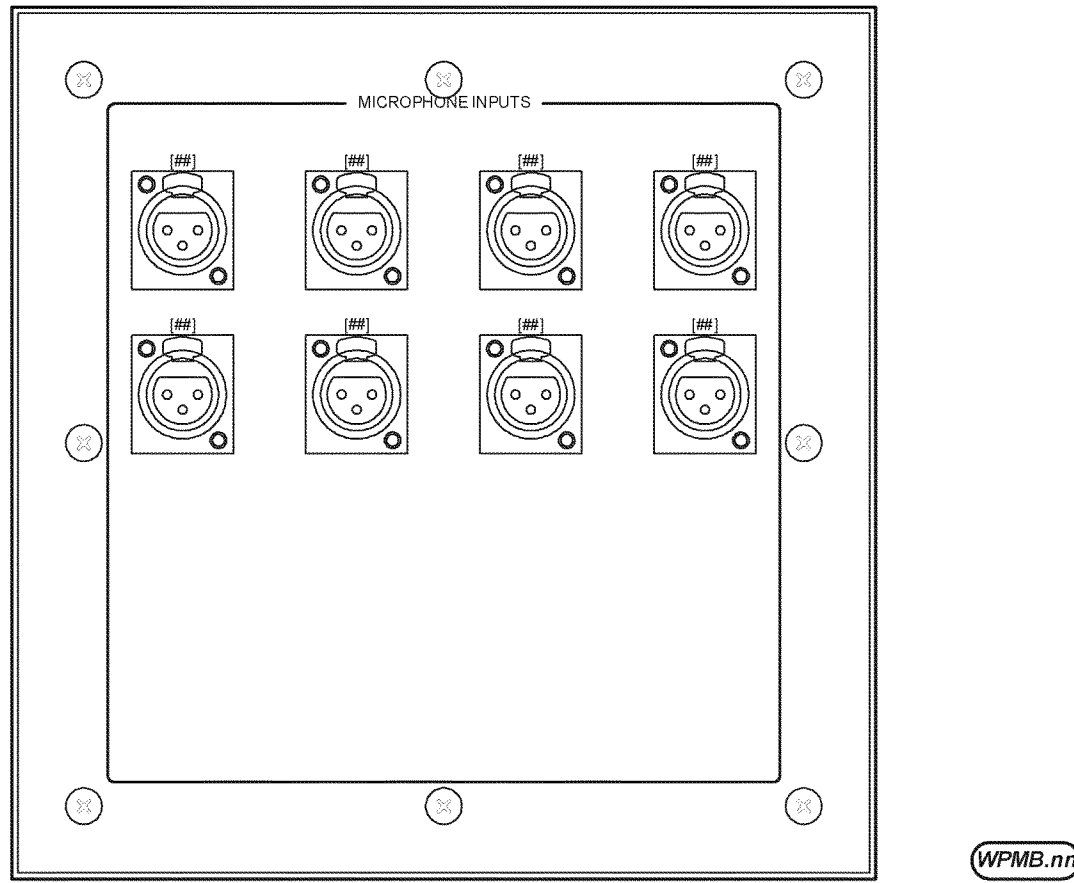
D WALL PANEL– STAGE CONNECTIONS – BALLROOM
Scale: 1/2" = 1"



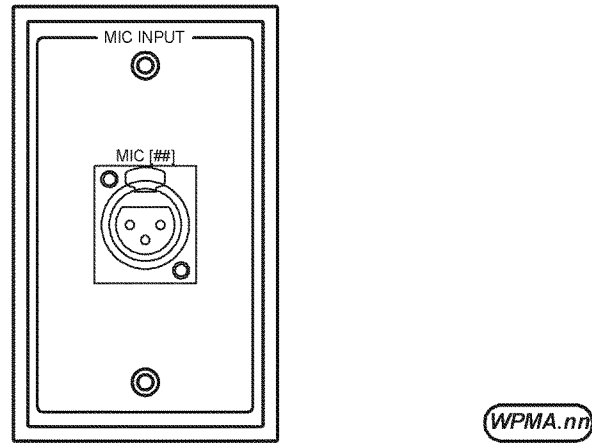
C WALL PANEL– BALLROOM
Scale: 1/2" = 1"

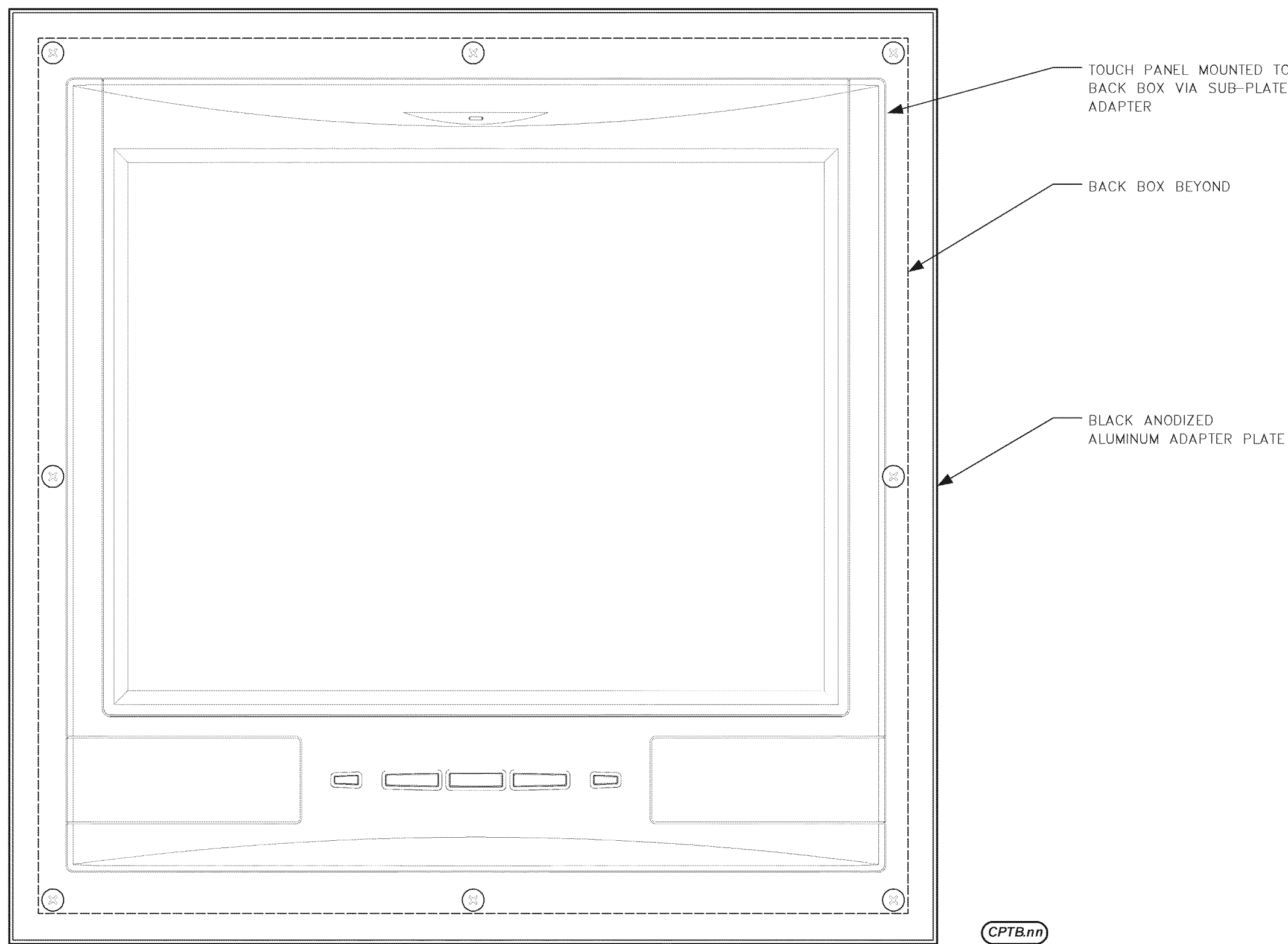


B WALL PANEL– MICROPHONE CONNECTIONS – BALLROOM
Scale: 1/2" = 1"

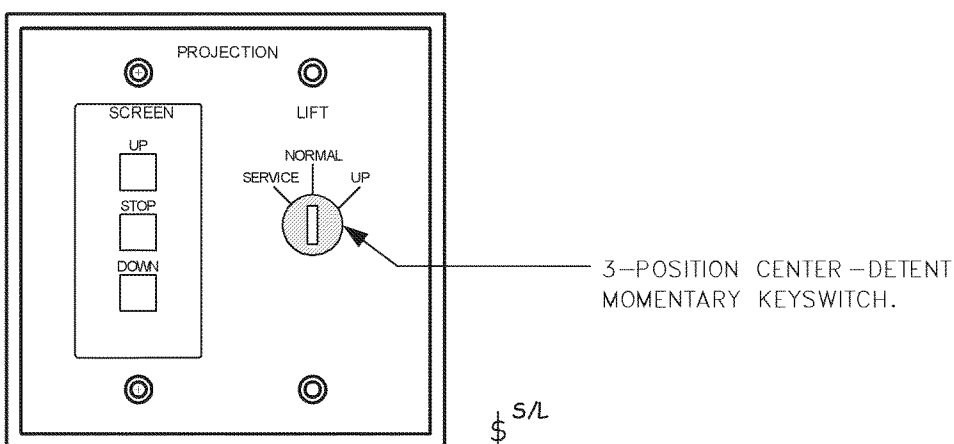


A WALL PLATE – BALLROOM
Scale: NONE

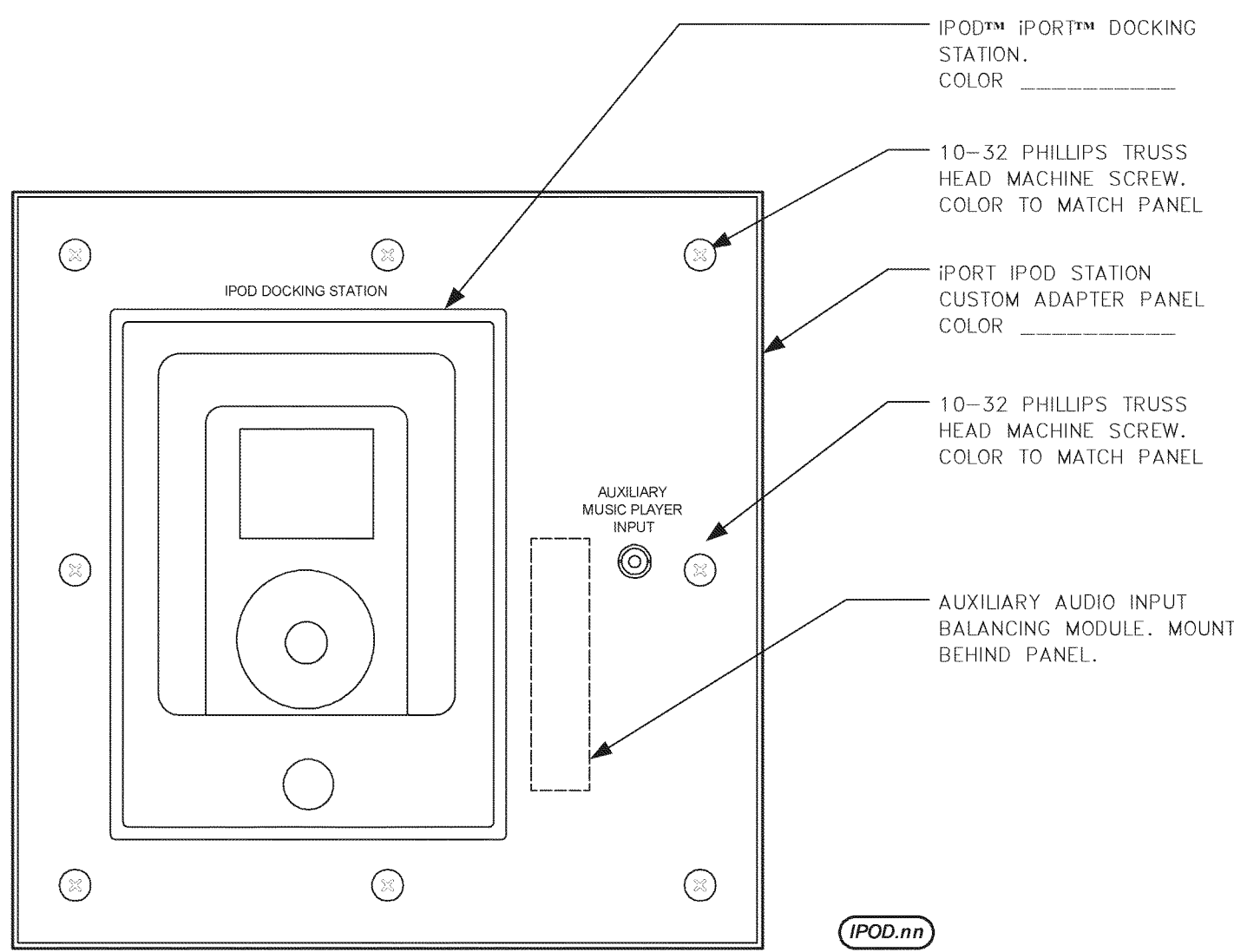




F CONTROL PANEL — BALLROOM
Scale: 1/2" = 1"



I SWITCH PLATE — SCREEN/LIFT CONTROL — BALLROOM
Scale: 1/2" = 1"



B IPOD STATION — MULTI-PURPOSE, GAMEROOM, BALLROOM
Scale: 1/2" = 1"

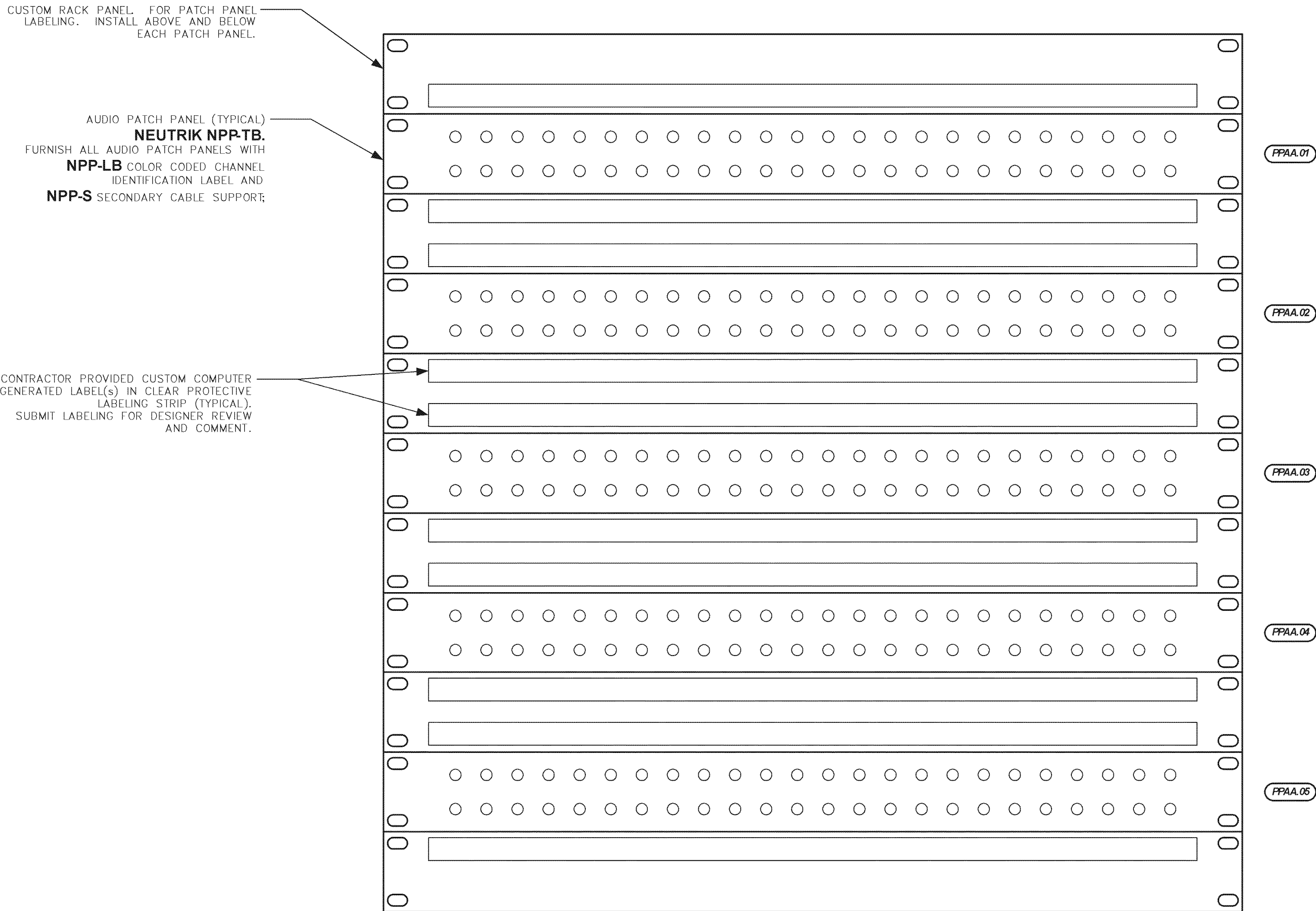
NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.



REVISIONS		DATE	Student Union Northern Kentucky University	
1	AV BD	11/19/07		
2	Re-Bld	12/24/07		
3				
4				
5				
6				
7				
8				
9				
RECORD DATE			AV TECHNOLOGIES DETAILS WALL PLATES/PANELS	DRAWING NO.
DRAWN BY MJB			COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DIVISION OF ENGINEERING DEPARTMENT FOR FACILITIES MANAGEMENT FRANKFORT, KENTUCKY	AV5.06
CHECKED BY MJB				REVIEWED DIV. OF ENGR.
A & E FILE NO. 7700CT506			Omni ARCHITECTS	ENGR. FILE NO.
DATE AUG 2007			AGENCY AUTHORIZED AGENT DIVISION OF ENGINEERING	APPROVED FOR PROGRAM CONCEPT ONLY DATE
			APPROVED FOR PROGRAM CONCEPT ONLY	DATE

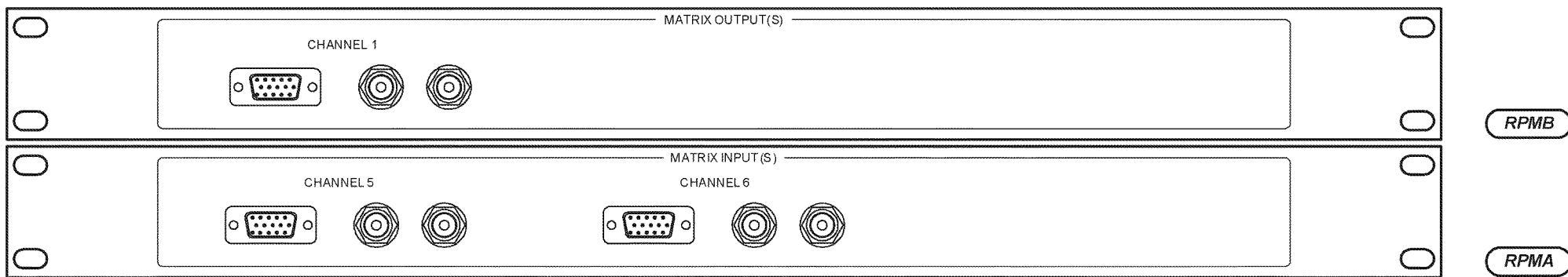
BEK
KOHRS LORINGMANN HILL
ENGINEERS, PSC
MECHANICAL/ELECTRICAL ENGINEERS
WWW.ALVENERS.COM
1538 ALDAMORA PKW. STE. 11
ST. THOMAS, KENTUCKY 41076
502-554-1793
502-554-1795
502-442-8090
502-442-8058 FAX

333 W. FIRST STREET, STE. 415
DAYTON, OHIO 45402
937-235-9725
937-235-9725
937-235-9725 FAX



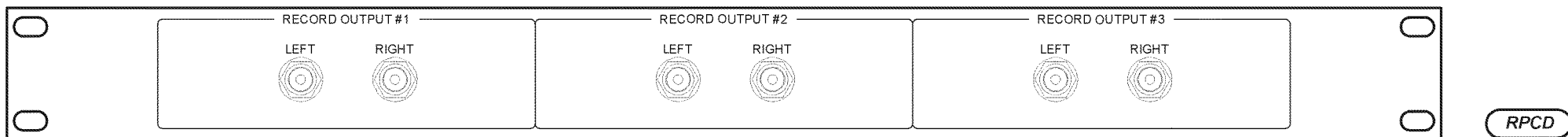
A PATCH PANEL(S) – AUDIO – BALLROOM

Scale: 1/2" = 1"



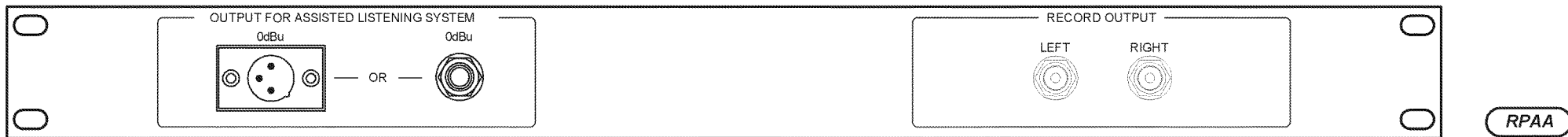
E CUSTOM RACK PANEL – MATRIX I/O CONNECTIONS – BALLROOM

Scale: 1/2" = 1"



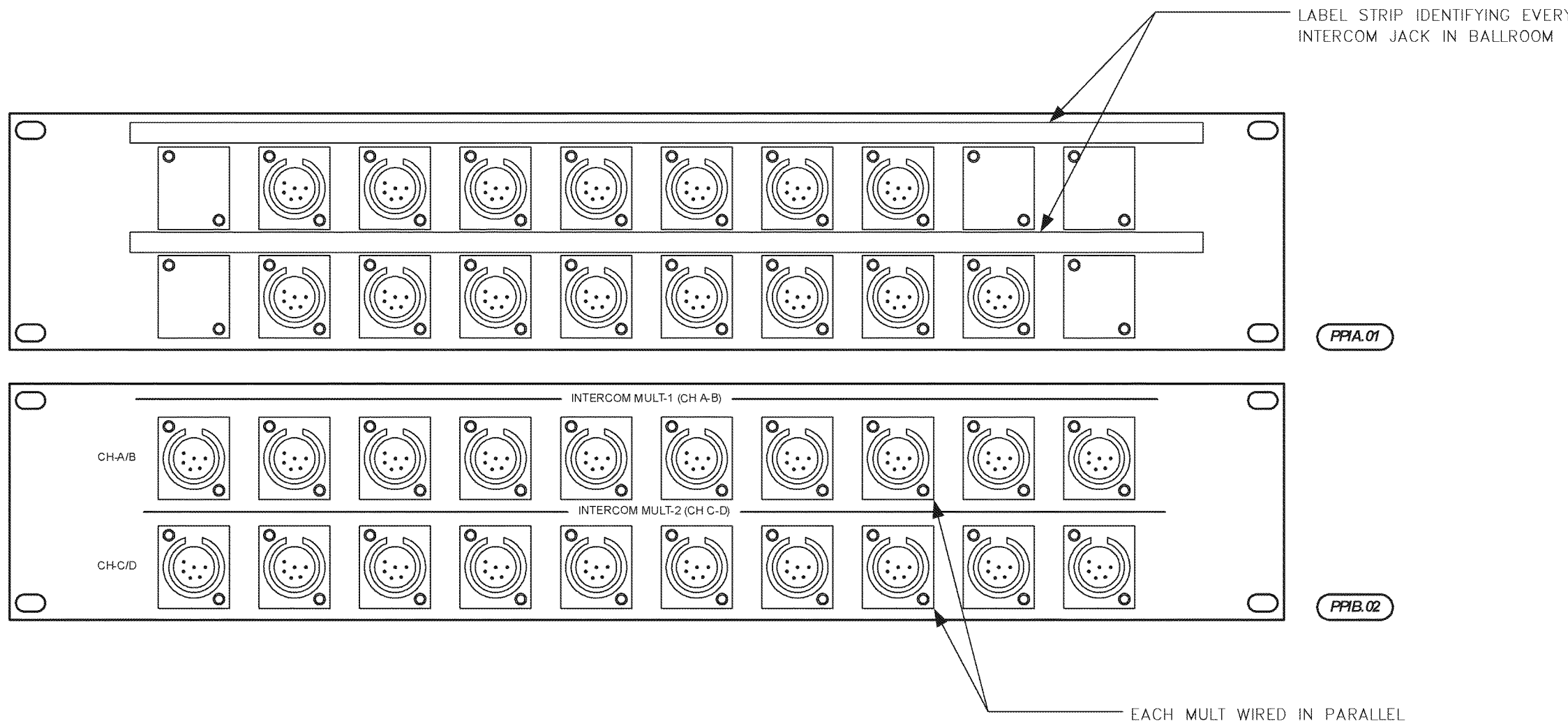
F CUSTOM RACK PANEL – RECORD CONNECTIONS – BALLROOM

Scale: 1/2" = 1"



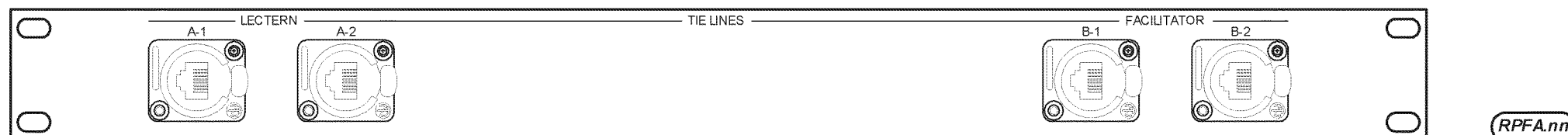
G CUSTOM RACK PANEL – ASSISTED LISTENING / RECORD

Scale: 1/2" = 1"



B CUSTOM PATCH PANEL(S) – INTERCOM – BALLROOM

Scale: 1/2" = 1"



C CUSTOM RACK PANE(S) – UTP TIE LINES

Scale: 1/2" = 1"

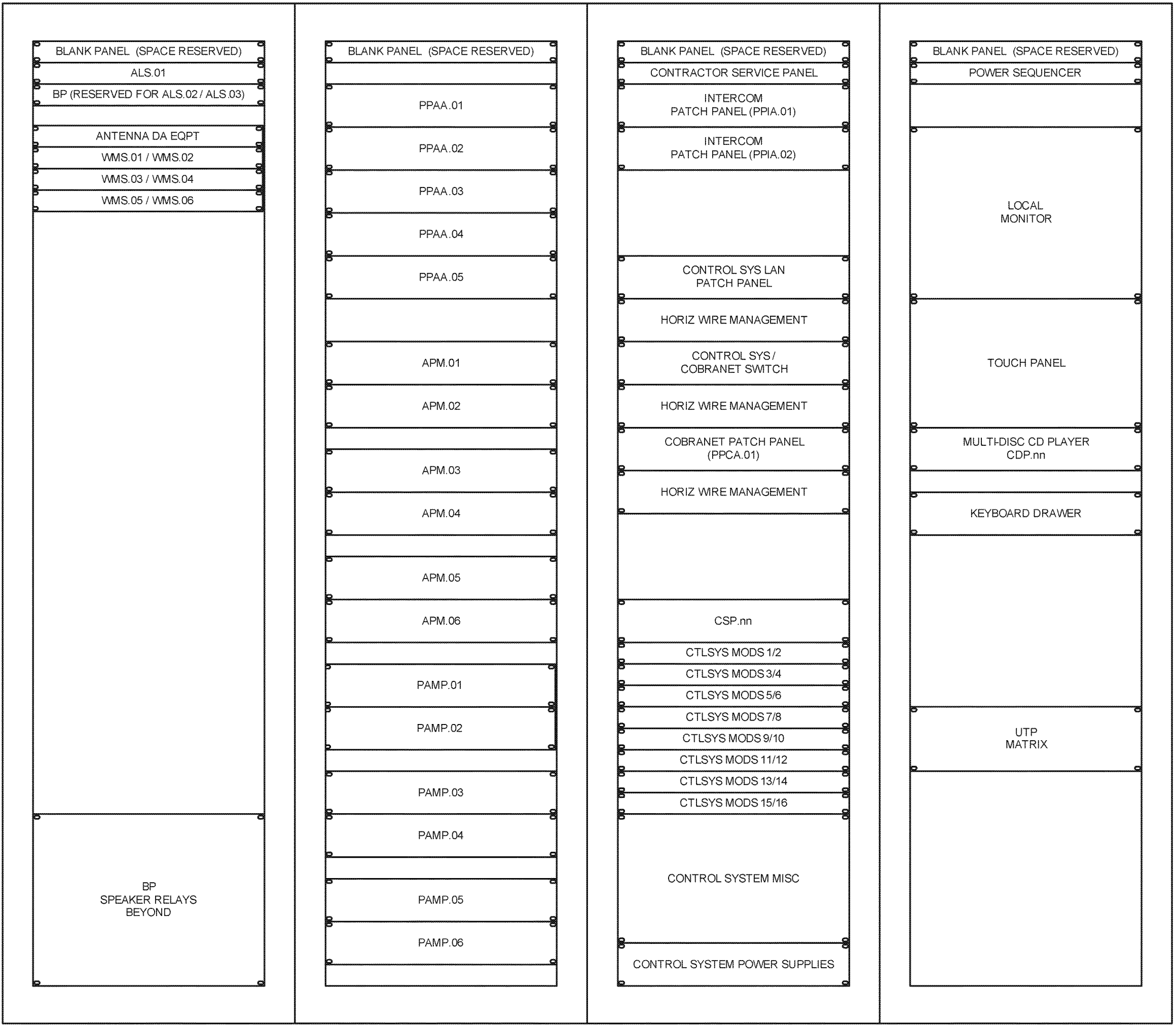
NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.



REVISIONS		DATE	Student Union Northern Kentucky University	
1	AV BD	11/19/07	RECORD DATE	AV TECHNOLOGIES DETAILS
2	Re-Bld	12/24/07		WALL PLATES/PANELS
3				
4				
5				
6				
7				
8				
9				

DRAWN BY MJB	COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DIVISION OF ENGINEERING DEPARTMENT FOR FACILITIES MANAGEMENT FRANKFORT, KENTUCKY	DRAWING NO. AV5.07
CHECKED BY MJB		
A & E FILE NO. 7700CT507		
DATE AUG 2007		
AGENCY AUTHORIZED AGENT DIVISION OF ENGINEERING	APPROVED FOR PROGRAM CONCEPT ONLY	DATE
	APPROVED FOR PROGRAM CONCEPT ONLY	DATE

BEH KOHRS LORINGMANN HIEL ENGINEERS, PSC MECHANICAL/ELECTRICAL ENGINEERS WWW.ALVENORS.COM	1530 ALDAMORA PKW. STE. 11 ST. THOMAS, KENTUCKY 41076 502-554-1793 502-442-8050 502-442-8058 FAX	333 W. FIRST STREET, STE. 415 DAYTON, OHIO 45402 937-235-9755 937-235-9752 FAX
215 North Upper Street Lexington, Kentucky 40507-1100 P 502.253.0864 F 502.253.0398 www.omniarchitects.com	Omni ARCHITECTS	REVIEWED DIV. OF ENGR. ENGR. FILE NO.



DEVICE ID	TYPE
(AVRC01)	C11
MISC	SU
	44

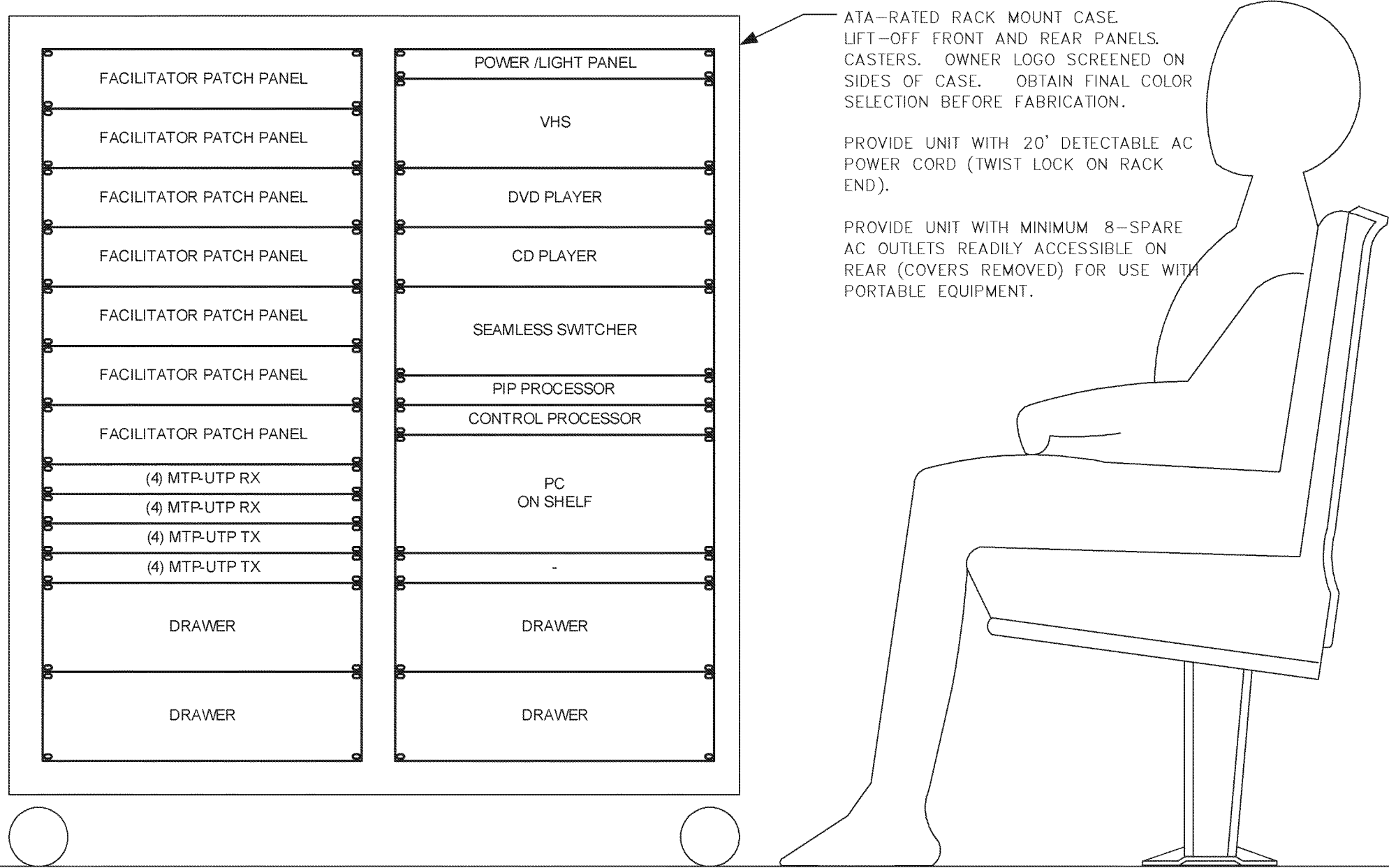
DEVICE ID	TYPE
(AVRC02)	C11
MISC	SU
	44

DEVICE ID	TYPE
(AVRC03)	C11
MISC	SU
	44

DEVICE ID	TYPE
(AVRC04)	C11
MISC	SU
	44

A DETAILS — EQUIPMENT RACK LAYOUTS — BALLROOM

Scale = NONE



ATA-RATED RACK MOUNT CASE.
LEFT-OFF FRONT AND REAR PANELS.
CASTERS. OWNER LOGO SCREENED ON
SIDES OF CASE. OBTAIN FINAL COLOR
SELECTION BEFORE FABRICATION.

PROVIDE UNIT WITH 20' DETECTABLE AC
POWER CORD (TWIST LOCK ON RACK
END).

PROVIDE UNIT WITH MINIMUM 8-SPARE
AC OUTLETS READILY ACCESSIBLE ON
REAR (COVERS REMOVED) FOR USE WITH
PORTABLE EQUIPMENT.

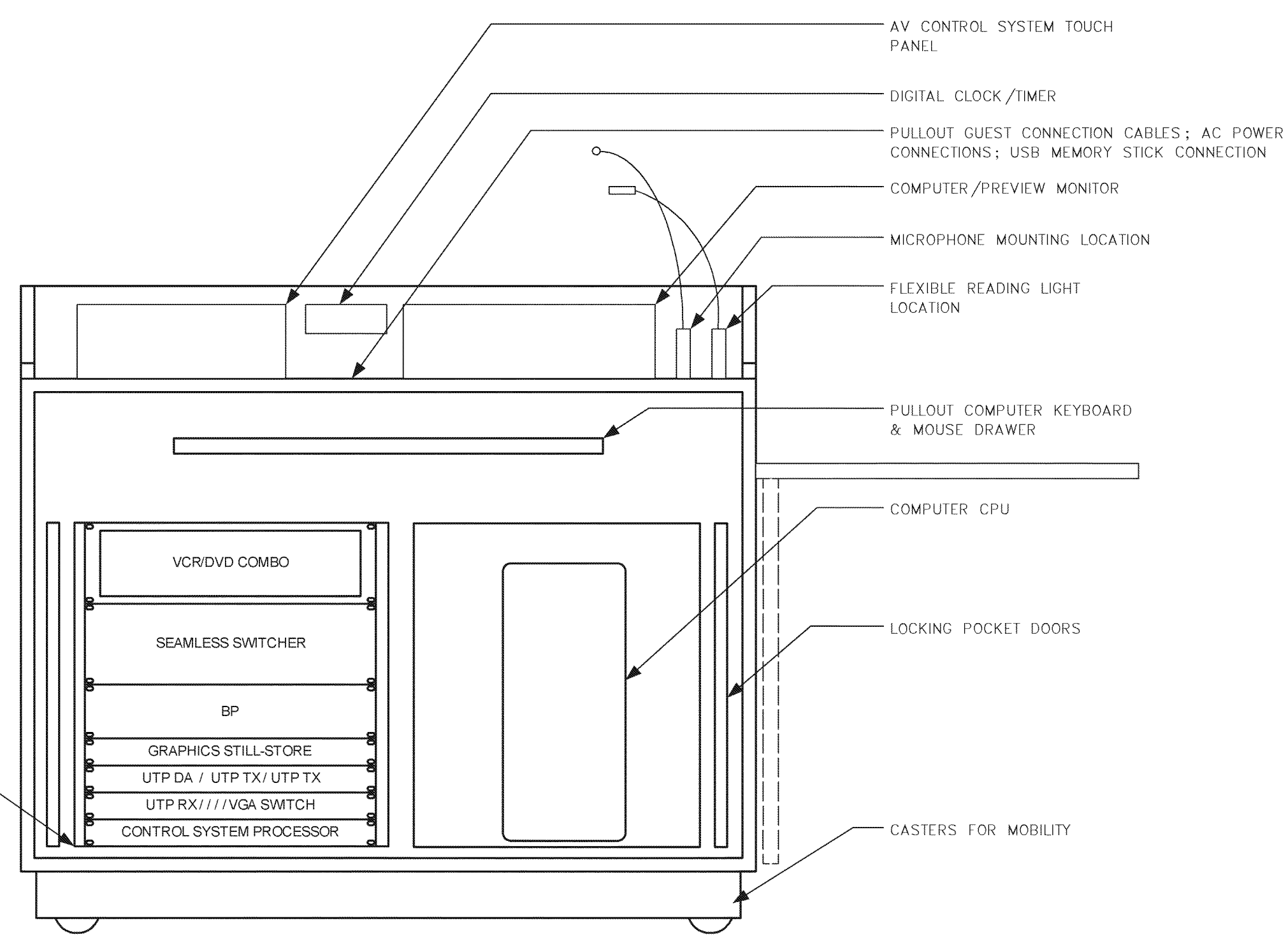
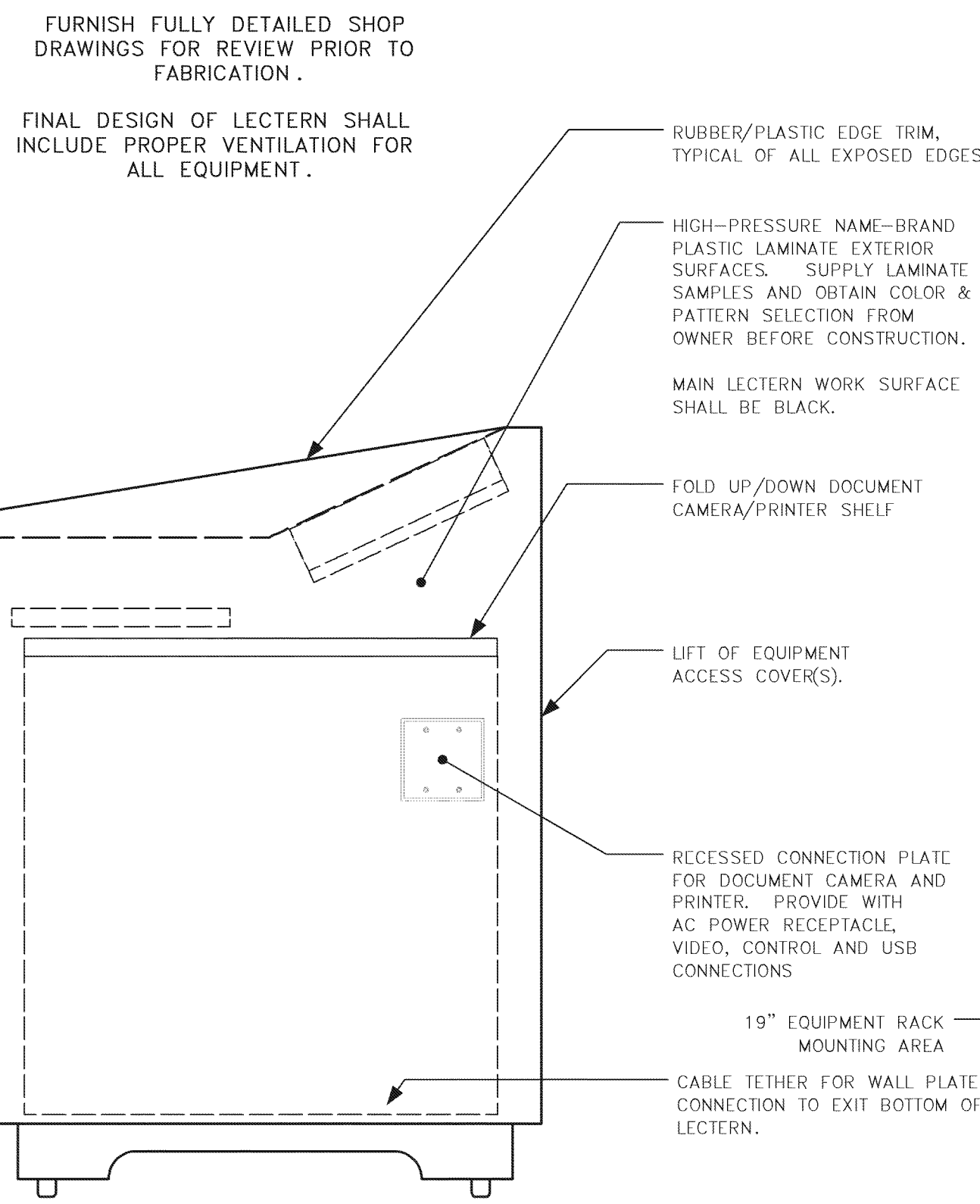
E PORTABLE FACILITATOR RACK(S) — BALLROOM

Scale: 1" = 8"

NOTE:

IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS
REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME
AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE
RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF
THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS AND FITTINGS REQUIRED.
NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK
OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE
AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

<div>1 AV-BD 11/19/07</div> <div>2 Re-Bld 12/24/07</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div>	REVISIONS	DATE	Student Union Northern Kentucky University		DRAWING N°
	RECORD DATE	AV TECHNOLOGIES RACK LAYOUTS, CASEWORK & FURNITURE	COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DIVISION OF ENGINEERING DEPARTMENT FOR FACILITIES MANAGEMENT FRANKFORT, KENTUCKY		AV5.41
	DRAWN BY	CHECKED BY	A & E FILE N°	7700CT541	REVIEWED DIV. OF ENGR.
	DATE AUG 2007	Omni ARCHITECTS	215 North Upper Street Lexington, Kentucky 40507-1000 P 502.253.6864 F 502.253.2398 www.omniarchitects.com	ENGR. FILE N°	
<div>BEH KOHRS LONNEMANN HIEL ENGINEERS, PSC MECHANICAL/ELECTRICAL ENGINEERS WWW.KLHENGINEERS.COM</div> <div>1536 ALDAMURA PKW, STE. 11 ST. THOMAS, KENTUCKY 41070 502-554-1783 502-554-1785 502-442-8000 502-442-8008 FAX</div> <div>333 W. FIRST STREET, STE. 415 DAYTON, OHIO 45402 937-235-9720 937-235-9722 FAX</div>		AGENCY AUTHORIZED AGENT DIVISION OF ENGINEERING		APPROVED FOR PROGRAM CONCEPT ONLY	DATE
		APPROVED FOR PROGRAM CONCEPT ONLY		DATE	



A PRESENTER LECTERN(S) – BALLROOM
Scale: 1" = 8"

NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.



REVISIONS		DATE	Student Union		
1	AV BD	11/19/07	Northern Kentucky University		
2	Re-Bld	12/24/07			
3					
4					
5					
6					
7					
8					
9					

RECORD DATE	AV TECHNOLOGIES	DRAWING NO
DRAWN BY	RACK LAYOUTS, CASEWORK & FURNITURE	AV5.42
CHECKED BY	COMMONWEALTH OF KENTUCKY	
	FINANCE AND ADMINISTRATION CABINET	
	DIVISION OF ENGINEERING	
	DEPARTMENT FOR FACILITIES MANAGEMENT	
	FRANKFORT, KENTUCKY	

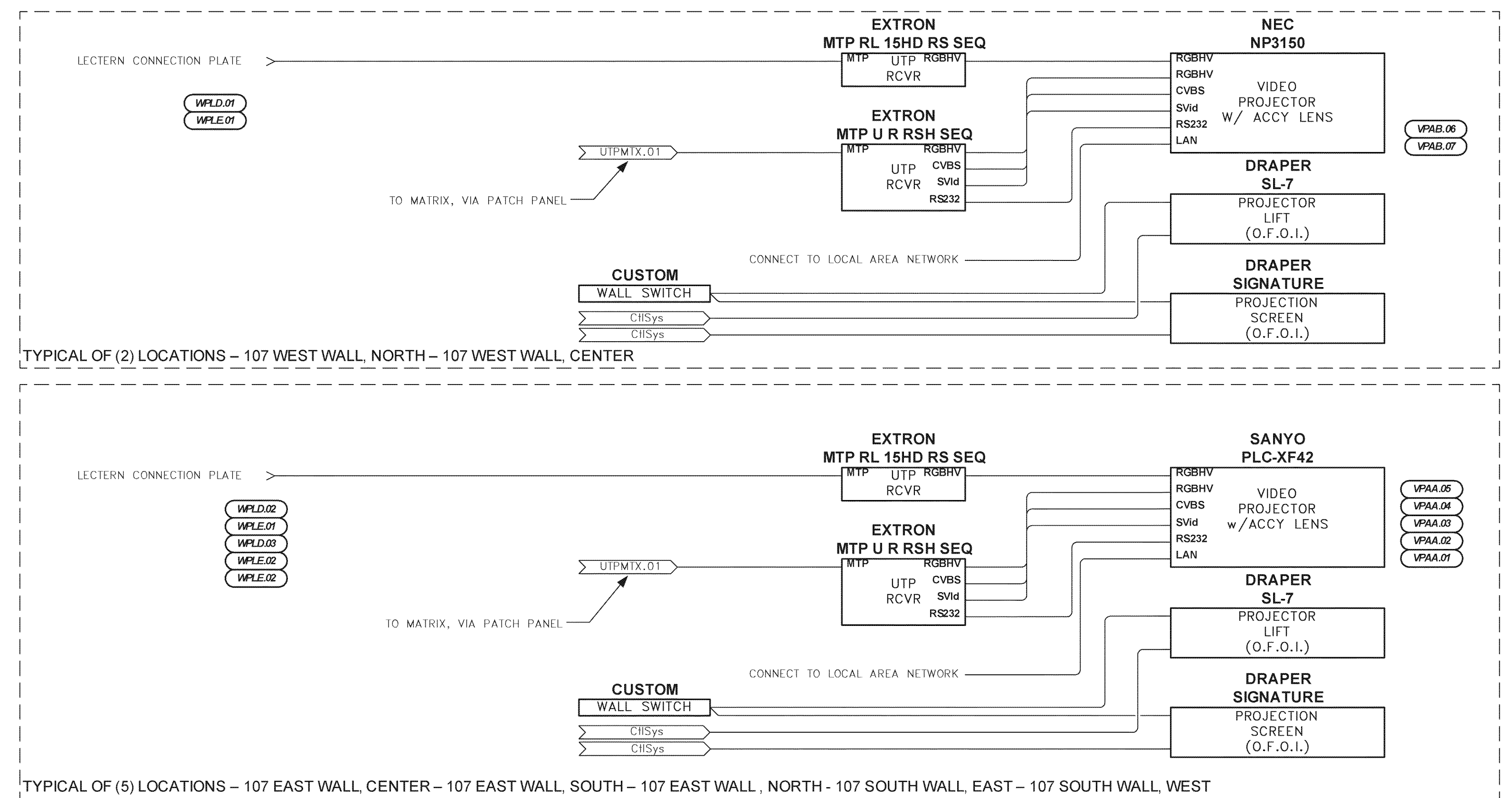
A & E FILE NO	7700CT542	REVIEWED
DATE	AUG 2007	DIV. OF ENGR.
AGENCY AUTHORIZED AGENT		ENGR. FILE NO.
APPROVED FOR PROGRAM CONCEPT ONLY		DATE
APPROVED FOR PROGRAM CONCEPT ONLY		DATE

KOHR'S LONGMANN HILL ENGINEERS, PSC
MECHANICAL/ELECTRICAL ENGINEERS
WWW.KLEHENGINEERS.COM

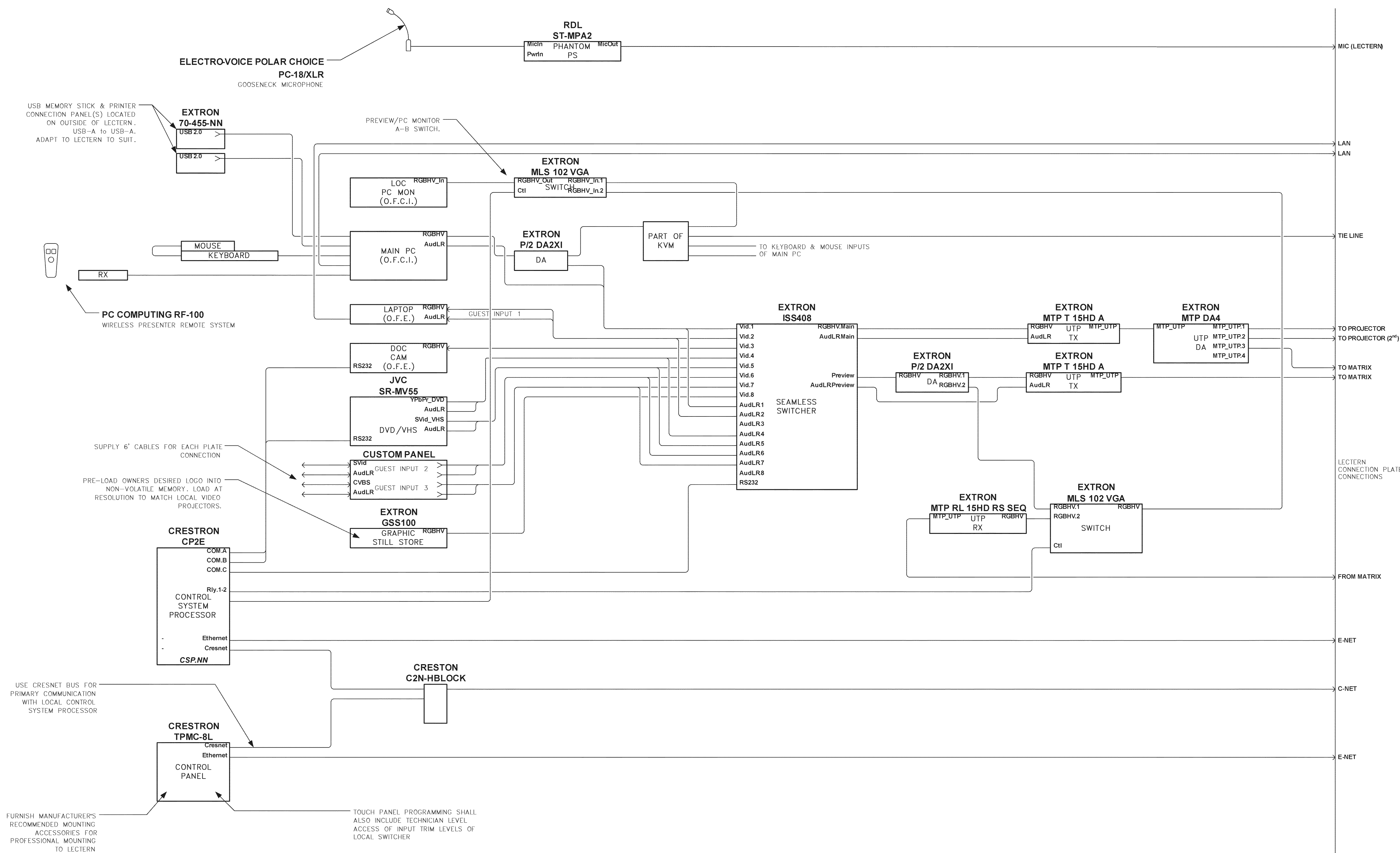
Omni ARCHITECTS
215 North Upper Street
Louisville, Kentucky 40207-1000
P 502.583.8864 F 502.583.8865
www.omniarchitects.com

1508 ALDAMORA PIKE, STE. 11
ST. THOMAS, KENTUCKY 41076
859-554-1783
859-442-8050
859-442-8058 FAX

333 W. FIRST STREET, STE. 410
DAYTON, OHIO 45402
937-235-9725
937-235-9725 FAX



A PARTIAL AV SYSTEM DIAGRAM – VIDEO – BALLROOM
Scale = NONE



NOTE:

IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK OF THE VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE, AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

PARTIAL AV SYSTEM DIAGRAM - LECTERN - BALLROOM
Scale = NONE

REVISIONS		DATE		Student Union Northern Kentucky University		DRAWING NO
1	AV BID	11/19/07				
2	Re-Bid	12/24/07				
3						
		RECORD DATE	AV TECHNOLOGIES SYSTEM DIAGRAMS			AV6.40
DRAWN BY		COMMONWEALTH OF KENTUCKY				
MAJ		FINANCE AND ADMINISTRATION CABINET				
CHECKED BY		DIVISION OF ENGINEERING				
MAJ		DEPARTMENT FOR FACILITIES MANAGEMENT FRANKFORT, KENTUCKY				
9	A & E FILE NO					REVIEWED



**KOHR'S LOHMANN HEIL
ENGINEERS, PSC**
MECHANICAL/ELECTRICAL ENGINEERS
10000 WILLOWDALE, P.O. BOX 10000
WILLOWDALE, IL 60077-1000
(708) 521-1000

Omni

AGENCY AUTHORIZED AGENT _____ DATE _____
 DIVISION OF ENGINEERING _____ APPROVED FOR PROGRAM CONCEPT ONLY
 _____ DATE _____
 APPROVED FOR PROGRAM CONCEPT ONLY



IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME TRADES TO SHOW THE REQUIRED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.



REVISIONS		DATE
1	AV BID	11/19/07
2	Re-Bid	12/24/07
3		
4		
5		
6		
7		
8		
9		

Student Union
Northern Kentucky University

RECORD DATE	AV TECHNOLOGIES SYSTEM DIAGRAMS	
DRAWN BY MJB	COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET	A
CHECKED BY MJB	DIVISION OF ENGINEERING DEPARTMENT FOR FACILITIES MANAGEMENT FRANKFORT, KENTUCKY	

A & E FILE #			
7700CT641			212 North Lincoln Street

DATE
AUG 2007

Omni
ARCHITECTS

Lexington, Kentucky 40507-1001
p 606.252.6664 f 606.253.2356
www.omniarchitects.com

AGENCY AUTHORIZED AGENT _____ DATE _____
 DIVISION OF ENGINEERING _____ APPROVED FOR PROGRAM CONCEPT ONLY
 _____ APPROVED FOR PROGRAM CONCEPT ONLY DATE _____



KOHLMANN HEIL
ENGINEERS, PSC
MECHANICAL/ELECTRICAL ENGINEERS
WWW.KHLENOR.COM

1538 ALEXANDRIA PIKE, STE. 11 333 W. FIRST STREET, STE. 415
FT. THOMAS, KENTUCKY 41075 DAYTON, OHIO 45402
900-354-9783 937-220-8700
859-442-8050 937-220-8702 FAX
859-442-8058 FAX

Washington, Kentucky 40307-1001
 o 859.252.8884 f 859.253.2358
 www.crrnarchitects.com

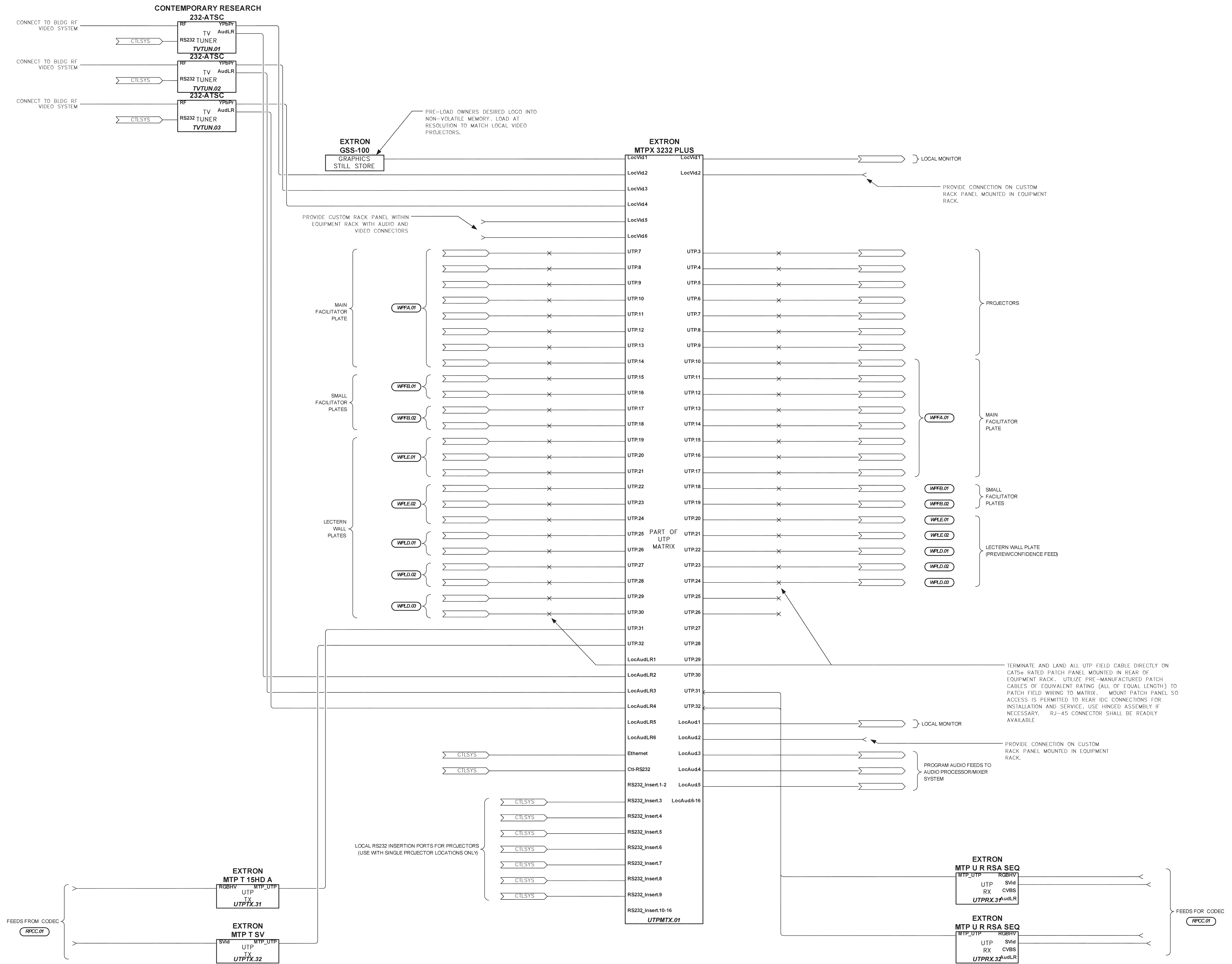
[illegible]

1000

DATE _____

CEPT ONLY

RECEIVED ONLY DATE —





A PARTIAL AV SYSTEM DIAGRAM — VIDEO — BALLROOM

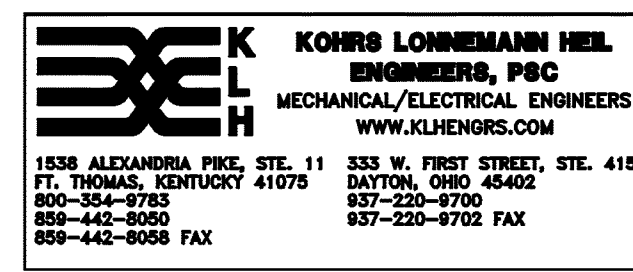
Scale = NONE

NOTE:

IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.



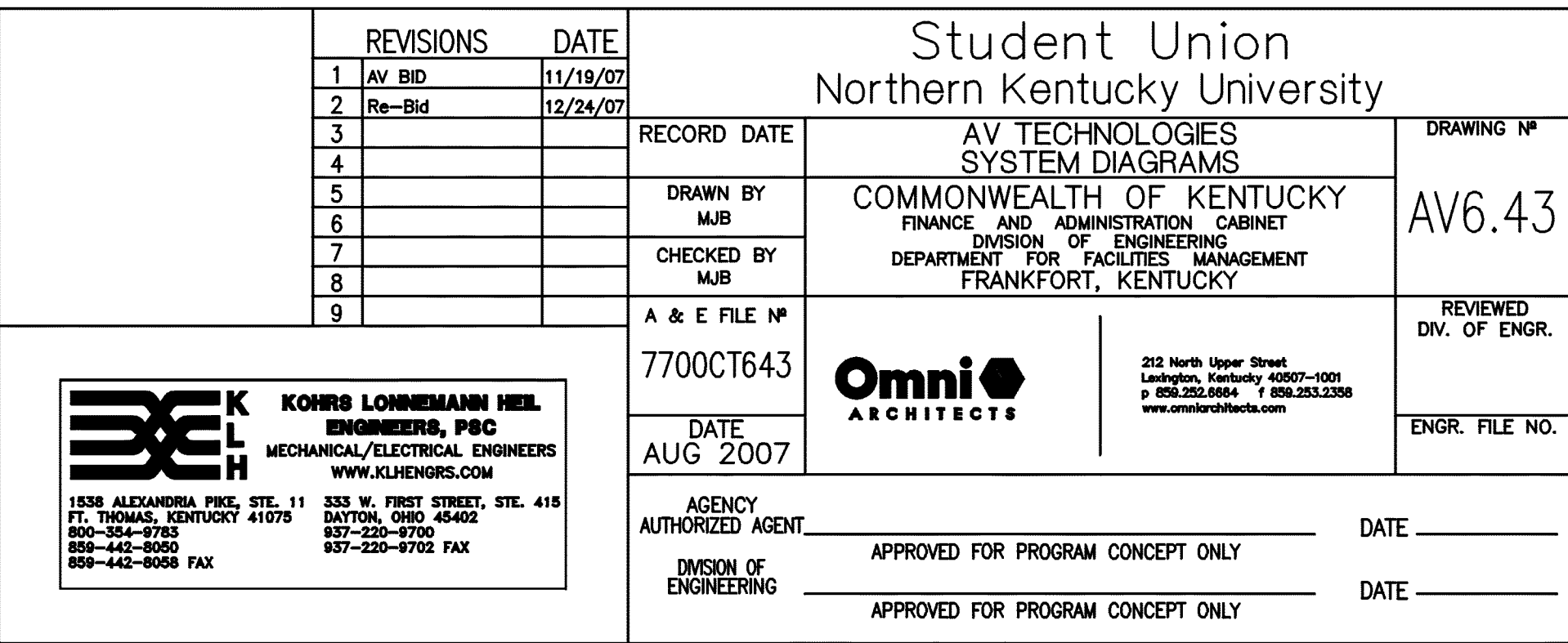
			Student Union Northern Kentucky University					
REVISIONS			DATE					
1	AV BID	11/19/07						
2	Re-Bid	12/24/07						
3								
4								
5								
6								
7								
8								
9								
 <p>KOHRS LOHMEYER HEIL ENGINEERS, PBC MECHANICAL/ELECTRICAL ENGINEERS WWW.KLHENGINEERS.COM</p> <p>1036 ALEXANDRIA PKW. STE. 111 704 S. THOMAS, EVANSVILLE, IN 47712 800-643-8050 800-643-8058 FAX</p>				RECORD DATE	AV TECHNOLOGIES SYSTEM DIAGRAMS	DRAWING NO.		
				DRAWN BY	MJB	COMMONWEALTH OF KENTUCKY	AV6.42	
				CHECKED BY	MJB	FINANCE AND ADMINISTRATION CABINET DIVISION OF ENGINEERING DEPARTMENT FOR FACILITIES MANAGEMENT FRANKFORT, KENTUCKY		
				A & E FILE #	7700CT642			
				DATE	AUG 2007			
							212 North Upper Street Lexington, Kentucky 40507-1000 P 606.255.1333 F 606.255.3356 www.omniarchitects.com	REVIEWED DIV. OF ENGR.
						AGENCY AUTHORIZED AGENT		ENGR. FILE NO.
						DIVISION OF ENGINEERING	APPROVED FOR PROGRAM CONCEPT ONLY	DATE
							APPROVED FOR PROGRAM CONCEPT ONLY	DATE



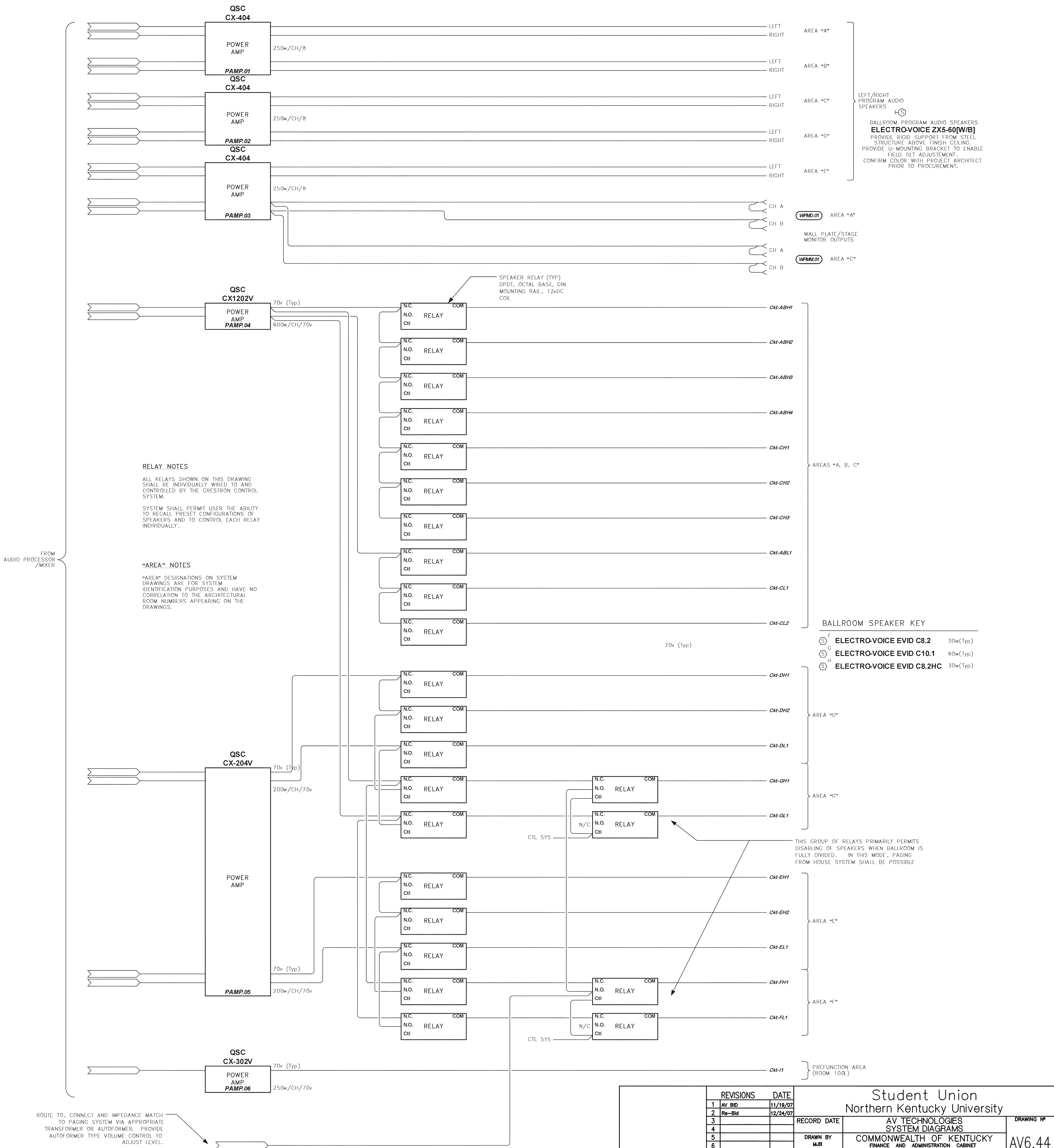
215 North Upper Street
Lexington, Kentucky 40507-1001
P 502.252.0564 F 502.252.0565
www.omniarchitects.com

DESIGNATES A
"NORMALLED" PATCH PANEL
CONNECTION.

- WHERE MICROPHONE CIRCUITS ARE
DEPICTED AS "NORMALLED", USE
MANUFACTURERS "FULL NORMALLED"
TRS CONFIGURATION.
- WHERE LINE LEVEL CIRCUITS ARE
DEPICTED AS "NORMALLED", USE
MANUFACTURERS "HALF NORMALLED
BOTTOM" TRS CONFIGURATION.



NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.



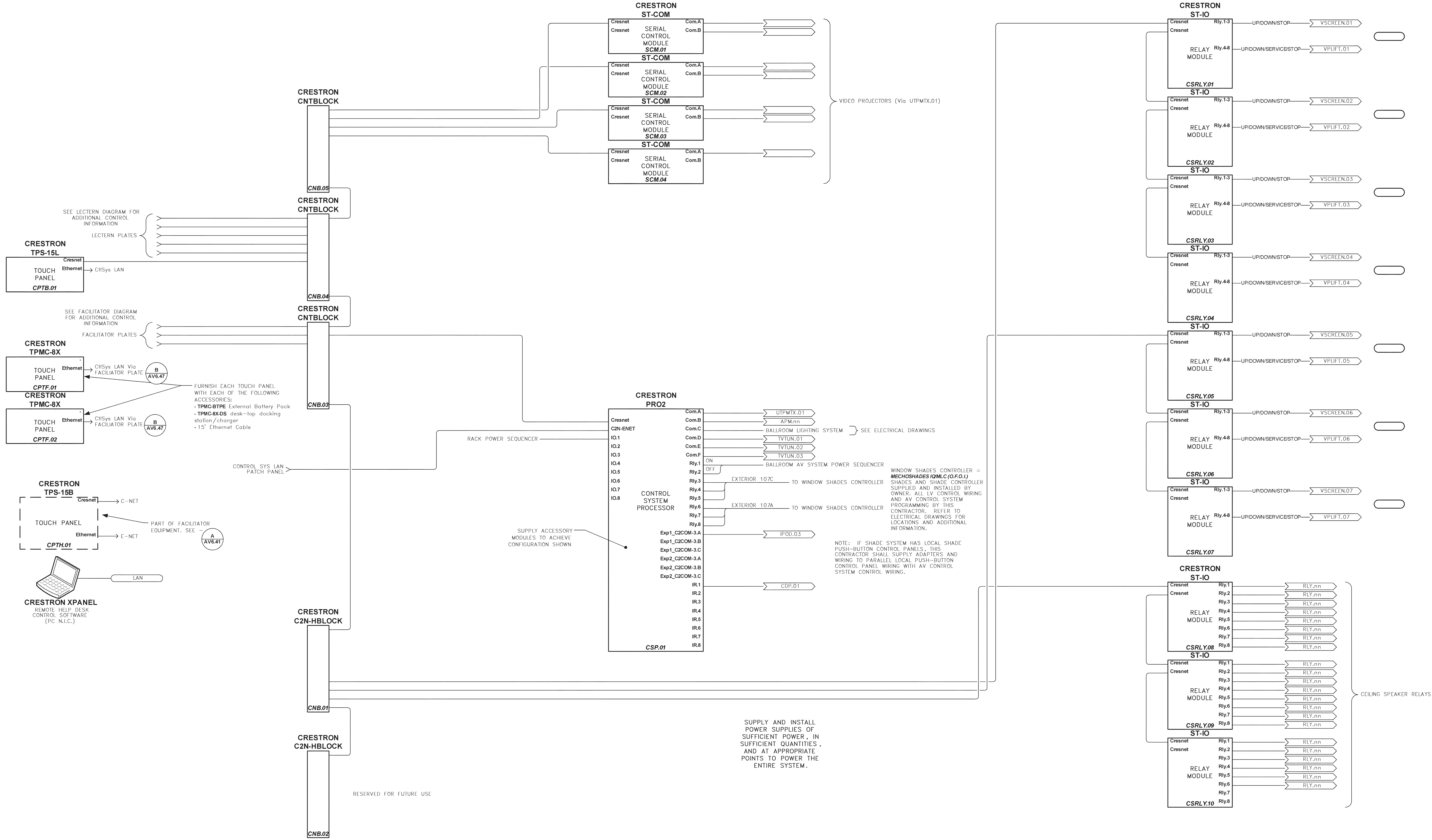
PARTIAL AV SYSTEM DIAGRAM — AUDIO — BALLROOM
Scale = NONE



REVISIONS		DATE	Student Union Northern Kentucky University	
1	AV BID	11/19/07	DRAWING N°	
2	Re-Bid	12/24/07	AV6.44	
3			REVIEWED	
4			DIV. OF ENGR.	
5			ENGR. FILE NO.	
6				
7				
8				
9				

RECORD DATE	AV TECHNOLOGIES SYSTEM DIAGRAMS	DRAWING N°
DRAWN BY MJB	COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DIVISION OF ENGINEERING DEPARTMENT FOR FACILITIES MANAGEMENT FRANKFORT, KENTUCKY	AV6.44
CHECKED BY MJB		
A & E FILE N°		
7700CT644		
DATE AUG 2007		
AGENCY AUTHORIZED AGENT		DATE
APPROVED FOR PROGRAM CONCEPT ONLY		DATE
APPROVED FOR PROGRAM CONCEPT ONLY		DATE


BEH KORRIS LORNEBACH HILL ENGINEERS, PSC MECHANICAL/ELECTRICAL ENGINEERS WWW.KLEHENGINEERS.COM	215 North Upper Street Lexington, Kentucky 40507-1000 P 502.253.0864 F 502.253.0398 www.korrishill.com
1538 ALDAMURA PKW. STE. 11 FT. THOMAS, KENTUCKY 41075 502-554-1783 502-554-1785 502-442-8058 FAX	333 W. FIRST STREET, STE. 415 DAYTON, OHIO 45402 937-232-9725 937-232-9722 FAX




A PARTIAL AV SYSTEM DIAGRAM – CONTROL – BALLROOM
Scale = NONE

NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

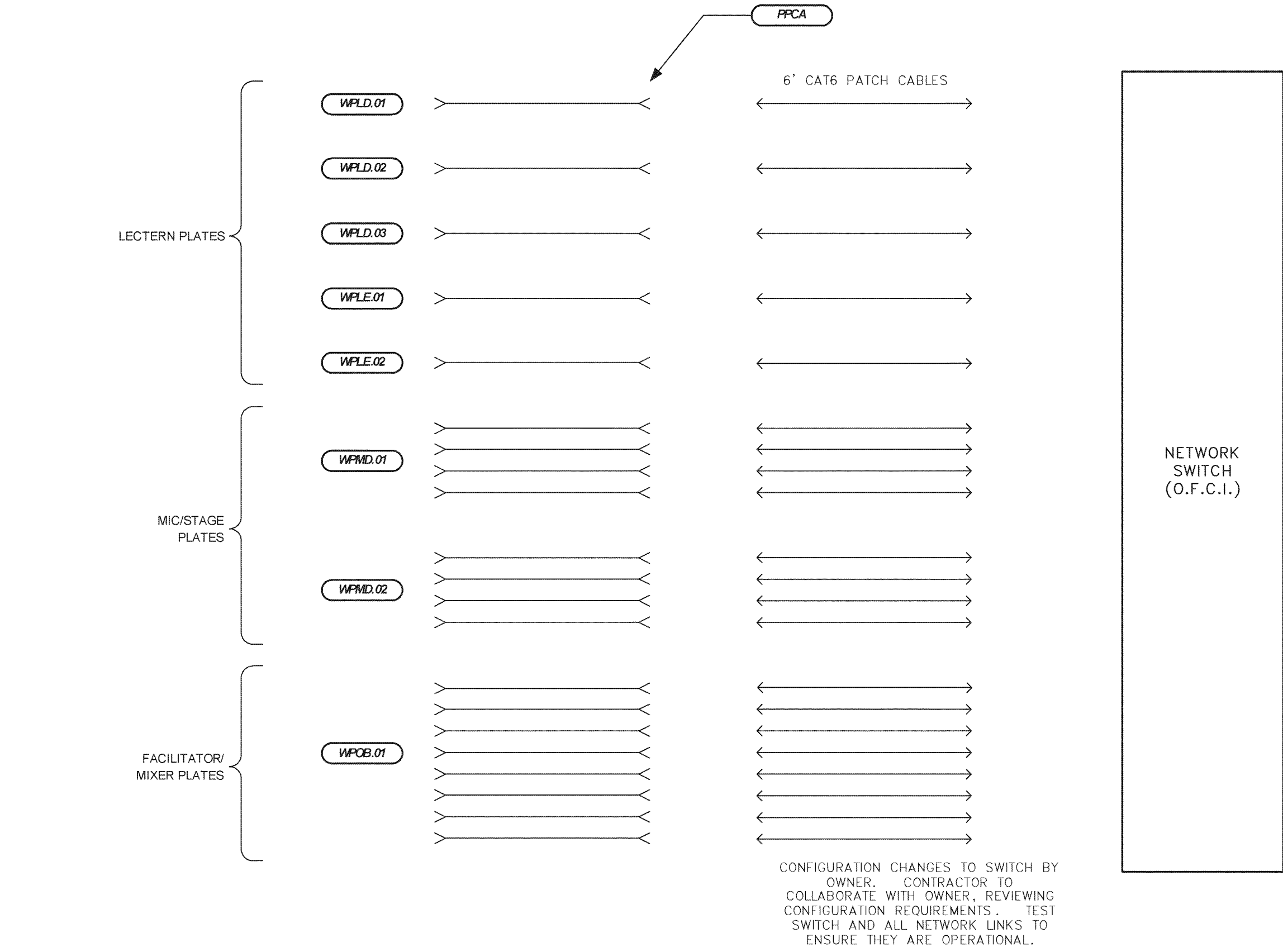


		REVISIONS	DATE	Student Union Northern Kentucky University			
1		AV BID	11/19/07	RECORD DATE	AV TECHNOLOGIES SYSTEM DIAGRAMS	DRAWING N°	
2		Re-Bid	12/24/07				
3							
4							
5							
6							
7							
8							
9							
				DRAWN BY	COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DIVISION OF ENGINEERING DEPARTMENT FOR FACILITIES MANAGEMENT FRANKFORT, KENTUCKY	AV6.46	
				MJB			
				CHECKED BY			
				MJB			
				A & E FILE N°		REVIEWED DIV. OF ENGR.	
				7700CT646			
				DATE			
				AUG 2007		ENGR. FILE NO.	
				AGENCY	 215 North Upper Street Lexington, Kentucky 40507-1000 P 502.253.0864 F 502.253.0398 www.omniarchitects.com	APPROVED FOR PROGRAM CONCEPT ONLY	DATE
				AUTHORIZED AGENT			
				DIVISION OF ENGINEERING			
				APPROVED FOR PROGRAM CONCEPT ONLY		DATE	

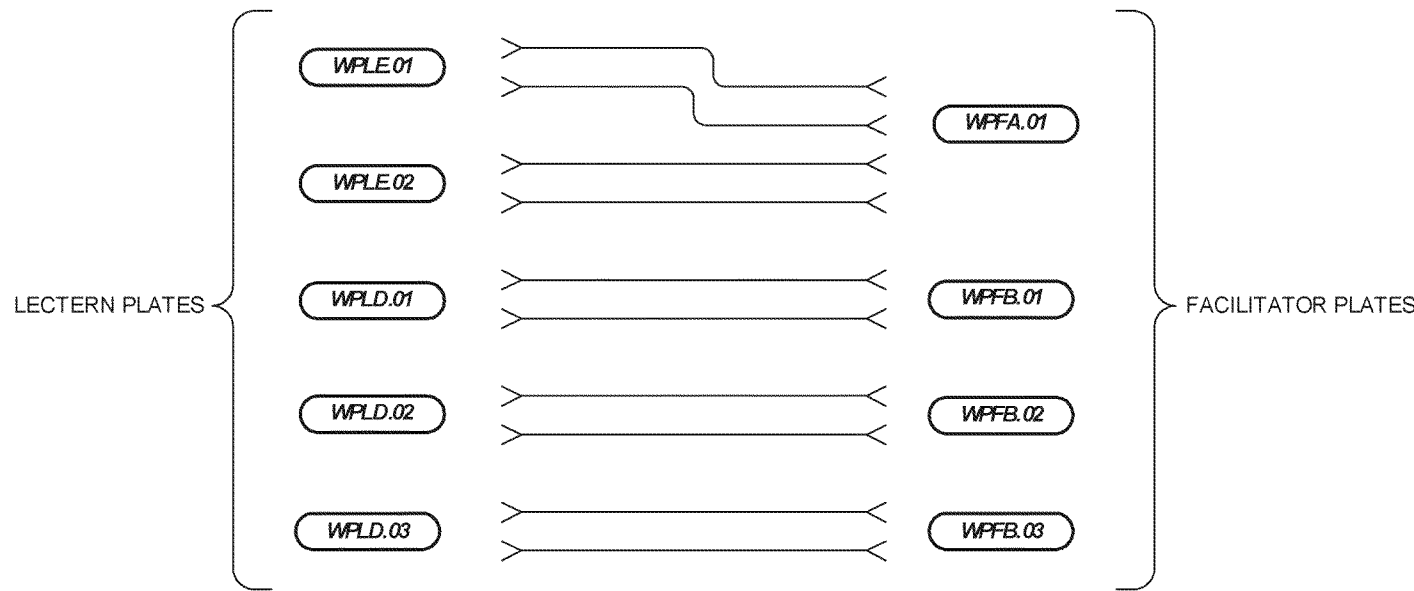
**KORRIS LONNEMANN HIEL
ENGINEERS, P.C.
MECHANICAL/ELECTRICAL ENGINEERS
WWW.KLHENGINEERS.COM**

1508 ALDAMURA PKW. STE. 11
ST. THOMAS, KENTUCKY 41070
502-344-7783
502-442-8058
502-442-8058 FAX

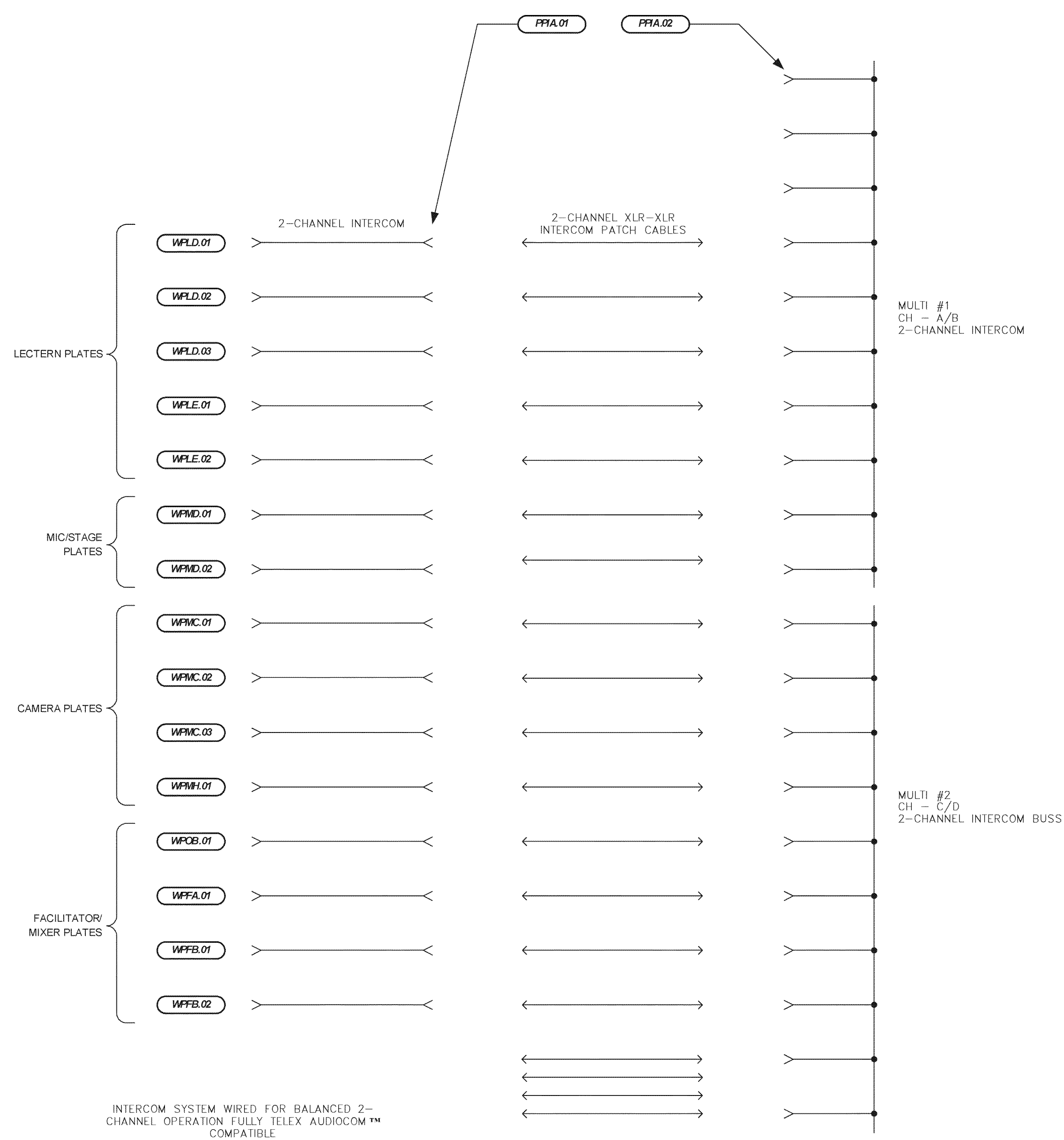
333 W. FIRST STREET, STE. 410
DAYTON, OHIO 45402
937-232-8750
937-232-8752 FAX



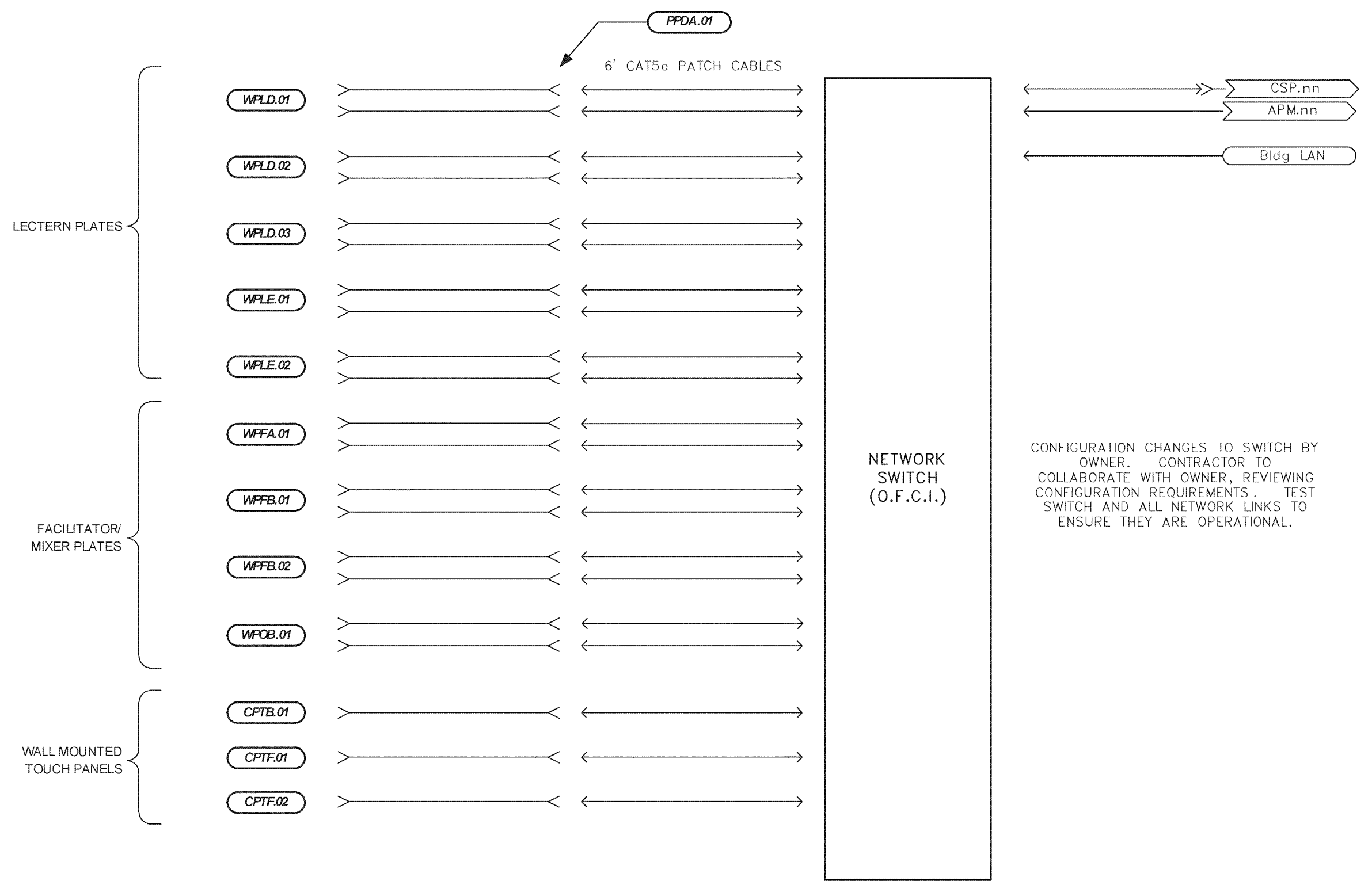
C PARTIAL AV SYSTEM DIAGRAM – COBRANET – BALLROOM
Scale = NONE



D PARTIAL AV SYSTEM DIAGRAM – LECTERN TO FACILITATOR TIE LINES – BALLROOM
Scale = NONE



A PARTIAL AV SYSTEM DIAGRAM – INTERCOM – BALLROOM
Scale = NONE



B PARTIAL AV SYSTEM DIAGRAM – CONTROL SYS LAN – BALLROOM
Scale = NONE

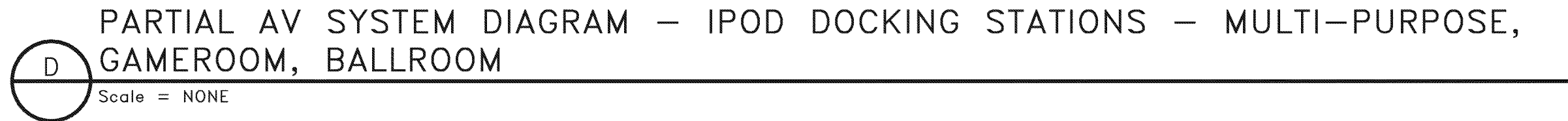
NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTING CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.





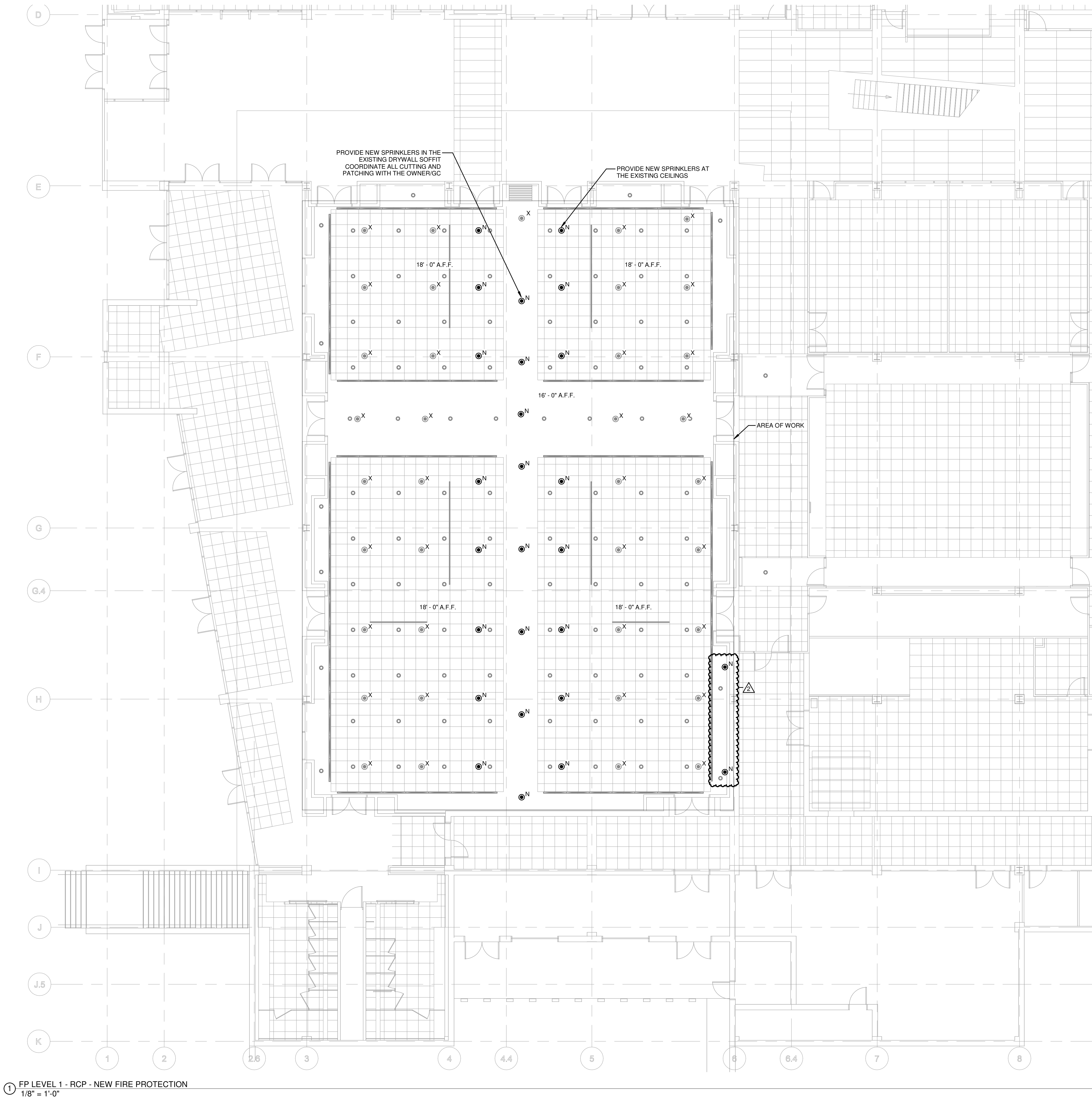
BEH KORRS LONNEMANN HILL ENGINEERS, P.C. MECHANICAL/ELECTRICAL ENGINEERS WWW.KLHENGINEERS.COM	1538 ALDAMURA PKW. STE. 11 ST. THOMAS, KENTUCKY 41070 502-554-5750 502-554-5755 502-442-8058 FAX	333 W. FIRST STREET, STE. 410 DAYTON, OHIO 45402 937-232-9750 937-232-9755 FAX

REVISIONS	DATE	RECORD DATE: 11/19/07 DRAWN BY: MJB CHECKED BY: MJB A & E FILE # 7700CT647 DATE: AUG 2007	Student Union Northern Kentucky University AV TECHNOLOGIES SYSTEM DIAGRAMS COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DIVISION OF ENGINEERING DEPARTMENT FOR FACILITIES MANAGEMENT FRANKFORT, KENTUCKY	DRAWING # AV6.47 REVIEWED DIV. OF ENGR. ENGR. FILE NO.	
1	AV BID				11/19/07
2	Re-Bld				12/24/07
3					
4					
5					
6					
7					
8					
9					

AGENCY AUTHORIZED AGENT	APPROVED FOR PROGRAM CONCEPT ONLY	DATE
DIVISION OF ENGINEERING	APPROVED FOR PROGRAM CONCEPT ONLY	DATE



		REVISONS		DATE		Student Union Northern Kentucky University			
1	AV BID			11/19/07					
2	Reg-Bid			12/24/07					
3									
4									
5									
6									
7									
8									
9									
		RECORD DATE		AV TECHNOLOGIES SYSTEM DIAGRAMS				DRAWING NO.	
		DRAWN BY MJB		COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DIVISION OF ENGINEERING DEPARTMENT FOR FACILITIES MANAGEMENT FRANKFORT, KENTUCKY				AV6.48	
		CHECKED BY MJB						REVIEWED DIV. OF ENGR.	
		A & E FILE NO.		7700CT648				ENGR. FILE NO.	
		DATE AUG 2007		 Omni ARCHITECTS		312 North Upper Street Lexington, Kentucky 40507-1005 P 606.258.1100 F 606.258.1398 www.omniarchts.com			
 KOHRS LOHREMAHN UEL ENGINEERS, P.C. MECHANICAL/ELECTRICAL ENGINEERS WWW.KLENSORS.COM		1238 ALDAMURA PARK, STE. 11 11, TOWSON, KENTUCKY 41270 502-442-8000 502-442-8000 FAX		333 W. FIRST STREET, STE. 415 11, TOWSON, KENTUCKY 41270 502-442-8000 502-442-8000 FAX		AGENCY AUTHORITY AGENT _____ DATE _____ DIVISION OF ENGINEERING _____ APPROVED FOR PROGRAM CONCEPT ONLY _____ DATE _____ _____ APPROVED FOR PROGRAM CONCEPT ONLY _____ DATE _____			



① FP LEVEL 1 - RCP - NEW FIRE PROTECTION
1/8" = 1'-0"

2" REFERENCE LINE

REVISIONS	
12/05/19	Construction Doc.
01/13/20	Addendum 3
DWN: BGK	CHK: GRS
PROJ. DATE	
SHEET DATE	01/13/20
JOB NO.	21514.00
FIRE PROTECTION LEVEL 1 PLAN OVERALL	

F-100



2° REFERENCE LINE

REVISIONS	
12/05/19	Construction Doc.
01/13/20	Addendum 3
DWN: BGK CHK:GRS	
PROJ. DATE	
SHEET DATE 01/13/20	
JOB NO. 21514.00	

FIRE
PROTECTION
DEMOLITION
LEVEL 1 PLAN
OVERALL

FD101

KLH JOB 21514.00

NKU Student Union Ballroom Upgrades

Nunn Drive
Highland Heights, KY 41099
Northern Kentucky University

KLH
ENGINEERS

1338 ALEXANDRIA PIKE, SUITE 11
FT. THOMAS, KENTUCKY 41075
859-442-8050
859-442-8055 FAX

MECHANICAL/ELECTRICAL
ENGINEERS

WWW.KLHENGRS.COM

LEXINGTON, KENTUCKY
COLUMBUS, OHIO
NEW YORK, NEW YORK

2" REFERENCE LINE