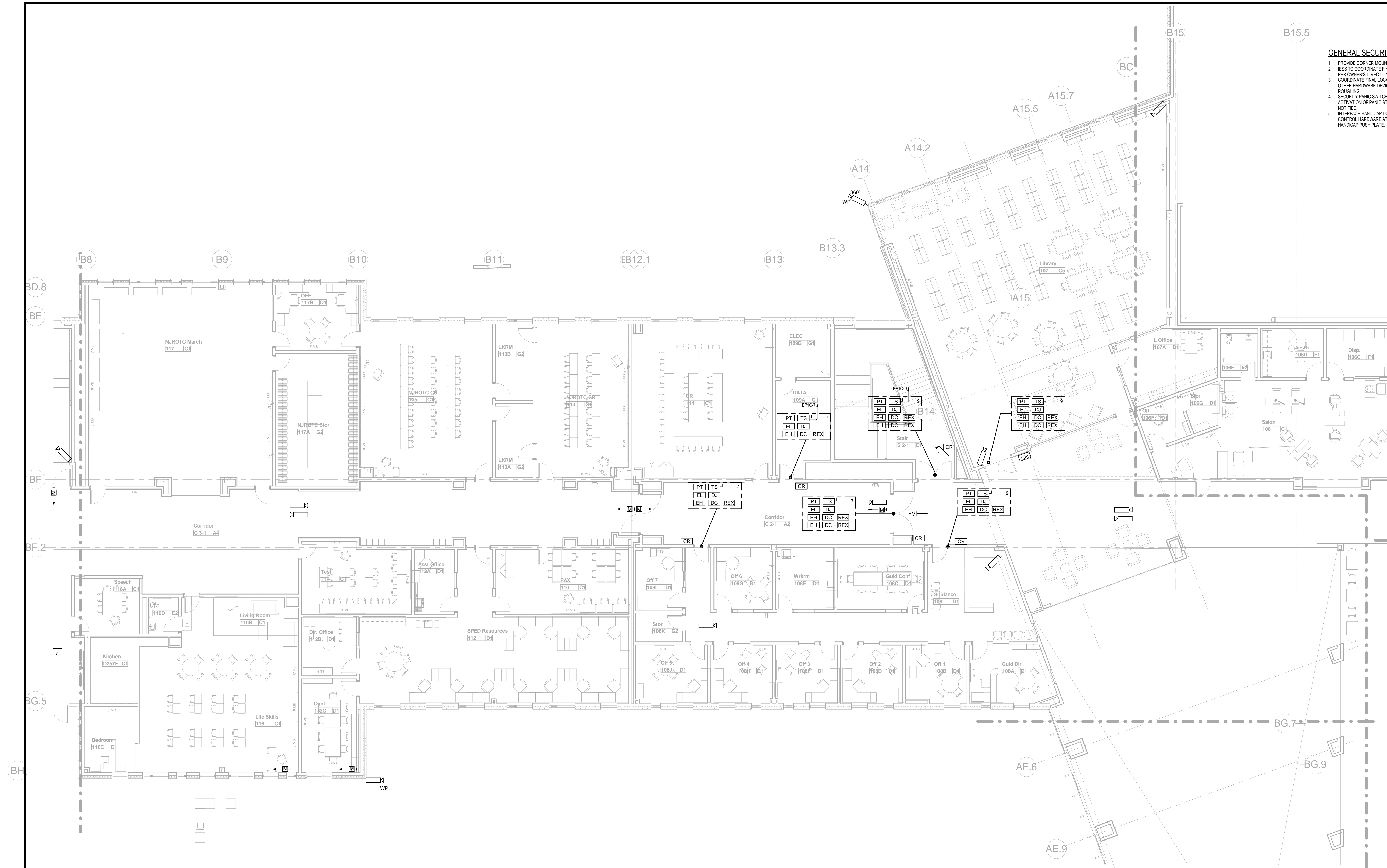
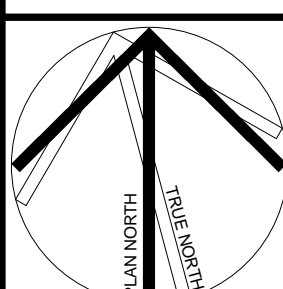


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 2. LESS TO COORDINATE FINAL SECURITY ZONES WITH OWNER, PROGRAM PER OWNER'S DIRECTIONS.
 3. COORDINATE FINAL LOCATIONS OF MAGNETIC DOOR HOLDERS AND OTHER HARDWARE DEVICES WITH HARDWARE SUPPLIER PRIOR TO ROUGHING.
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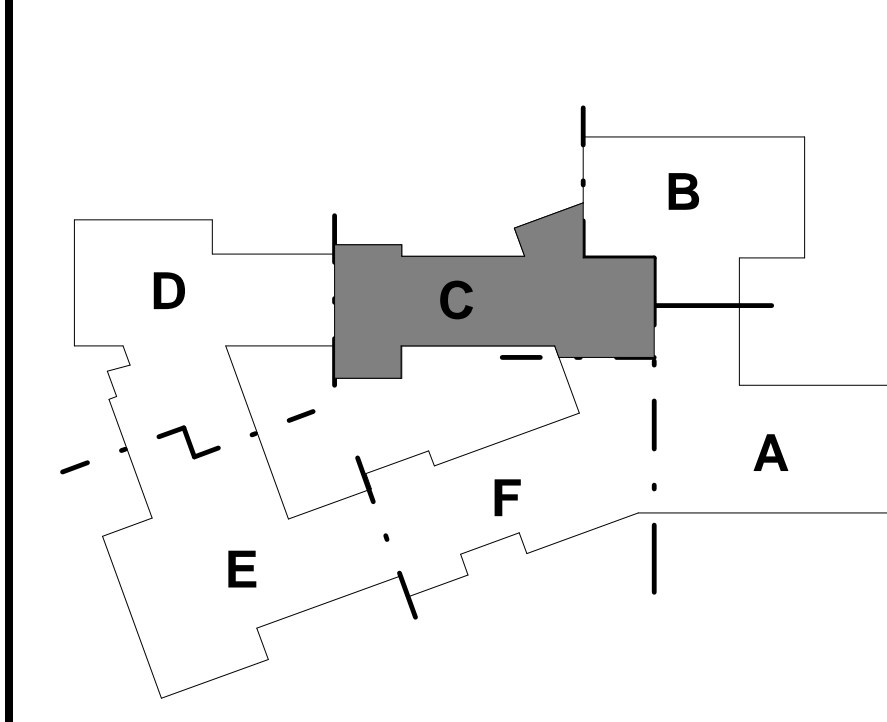


1 FIRST FLOOR PLAN PART C - SECURITY
E5.1C SCALE: 1/8" = 1'-0"

100% CONFORMED SET - FOR CONSTRUCTION
9/12/16



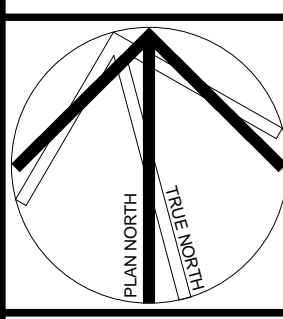
KEYPLAN



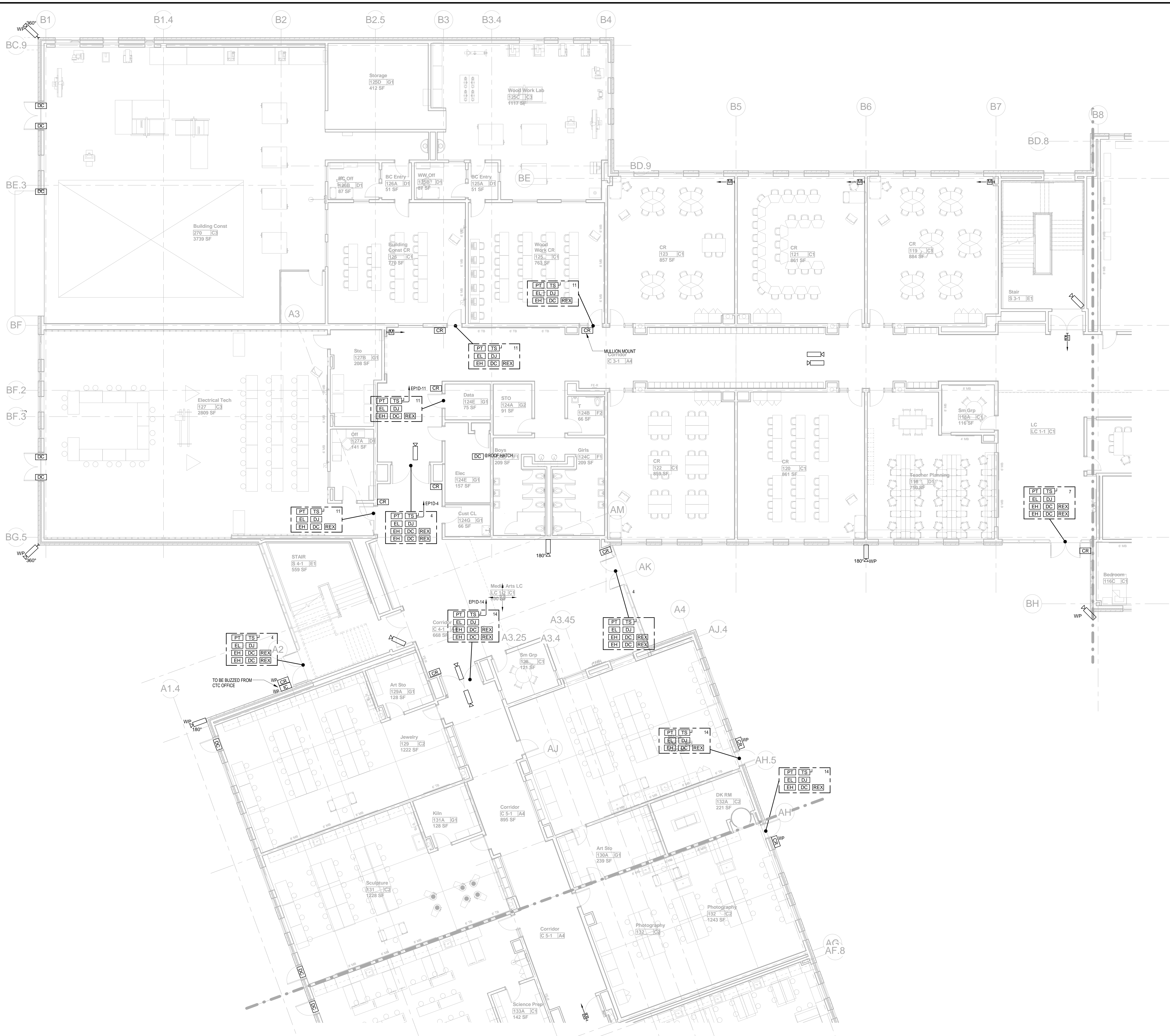
REVISIONS NO.	DATE	REMARKS	BY

Dover HS / CTC
Dover, NH
FIRST FLOOR PLAN PART C - SECURITY
SCALE: As Indicated
DRAWN BY: IMM
CHECKED BY: DMP

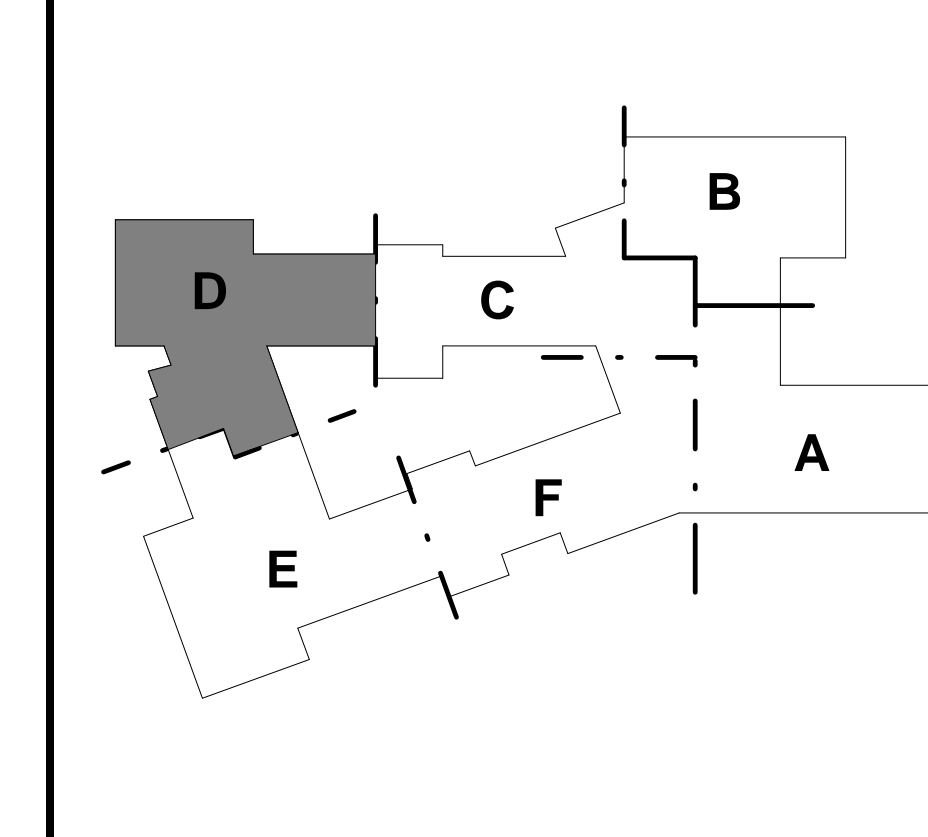
E5.1C



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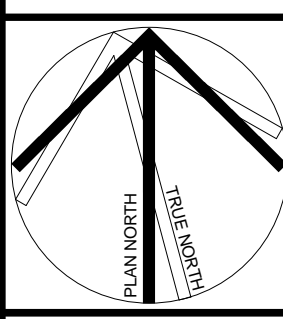
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REVISIONS NO.	DATE	REMARKS	BY

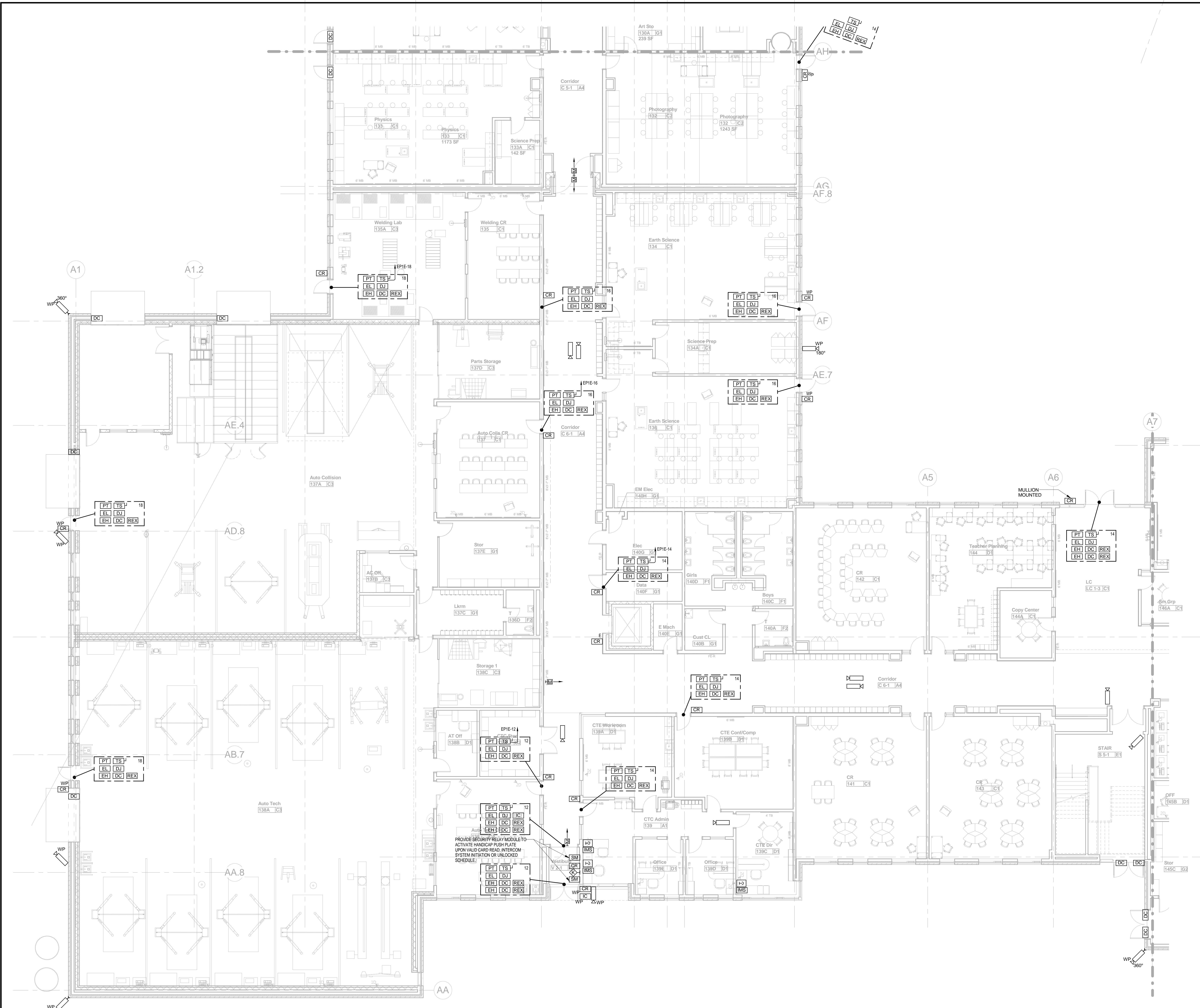
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9/12/16



Dover HS / CTC
Dover, NH
FIRST FLOOR PLAN PART E - SECURITY
SCALE: As Indicated
DRAWN BY: WJK
CHECKED BY: DMP

DRAWING NUMBER
E5.1E
JOB NUMBER 40114

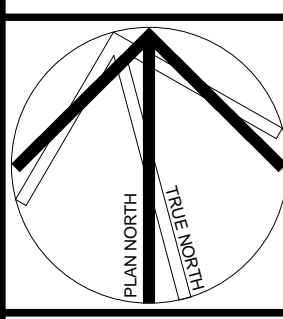


PROVIDE SECURITY RELAY MODULE TO ACTIVATE HANDICAP PUSH PLATE UPON VALID CARD READ INTERCOM SYSTEM INITIATION OR UNLOCKED SCHEDULE.

KEYPLAN

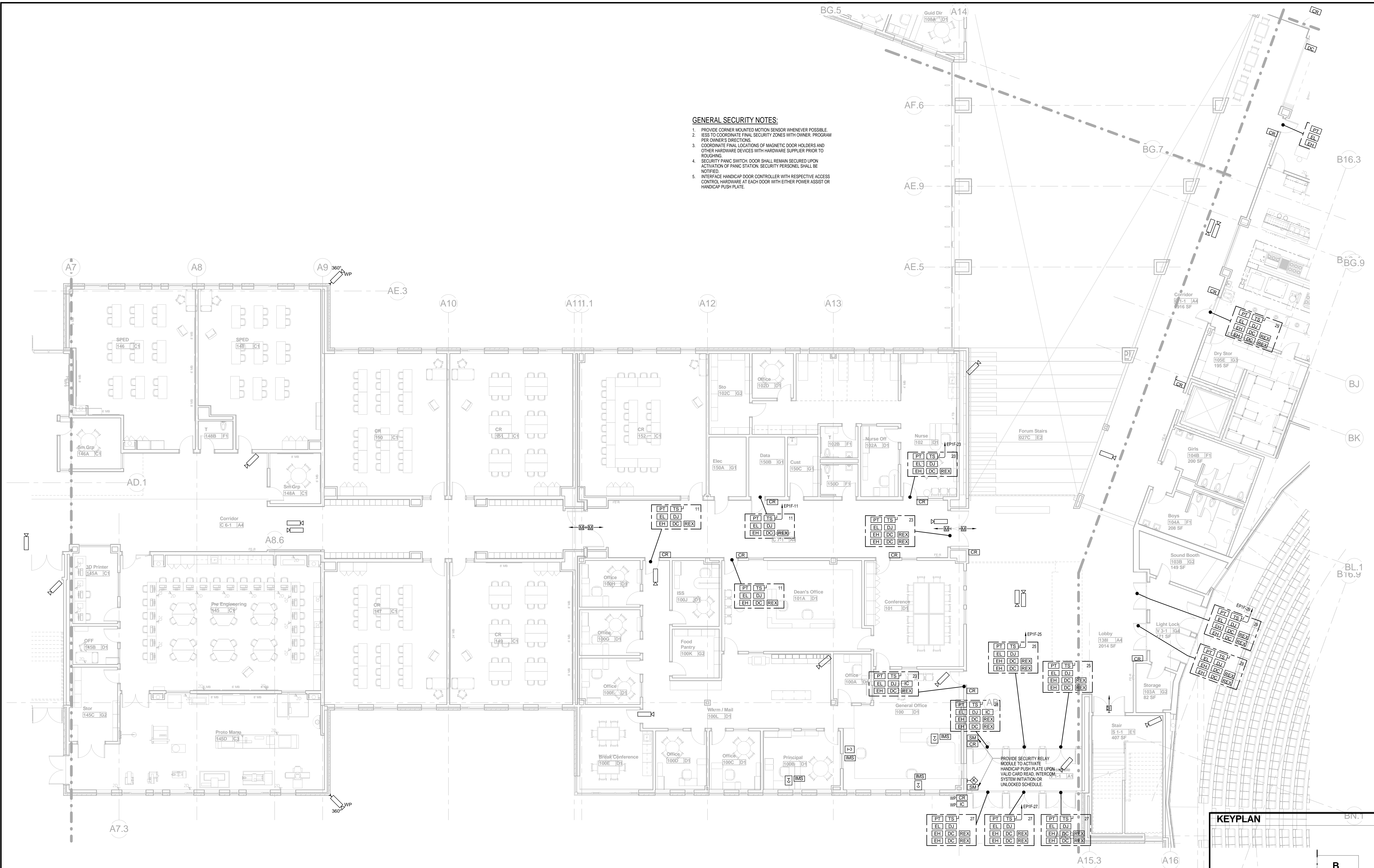
REVISIONS NO.	DATE	REMARKS	BY

1 FIRST FLOOR PLAN PART E - SECURITY
E5.1E
SCALE: 1/8" = 1'-0"

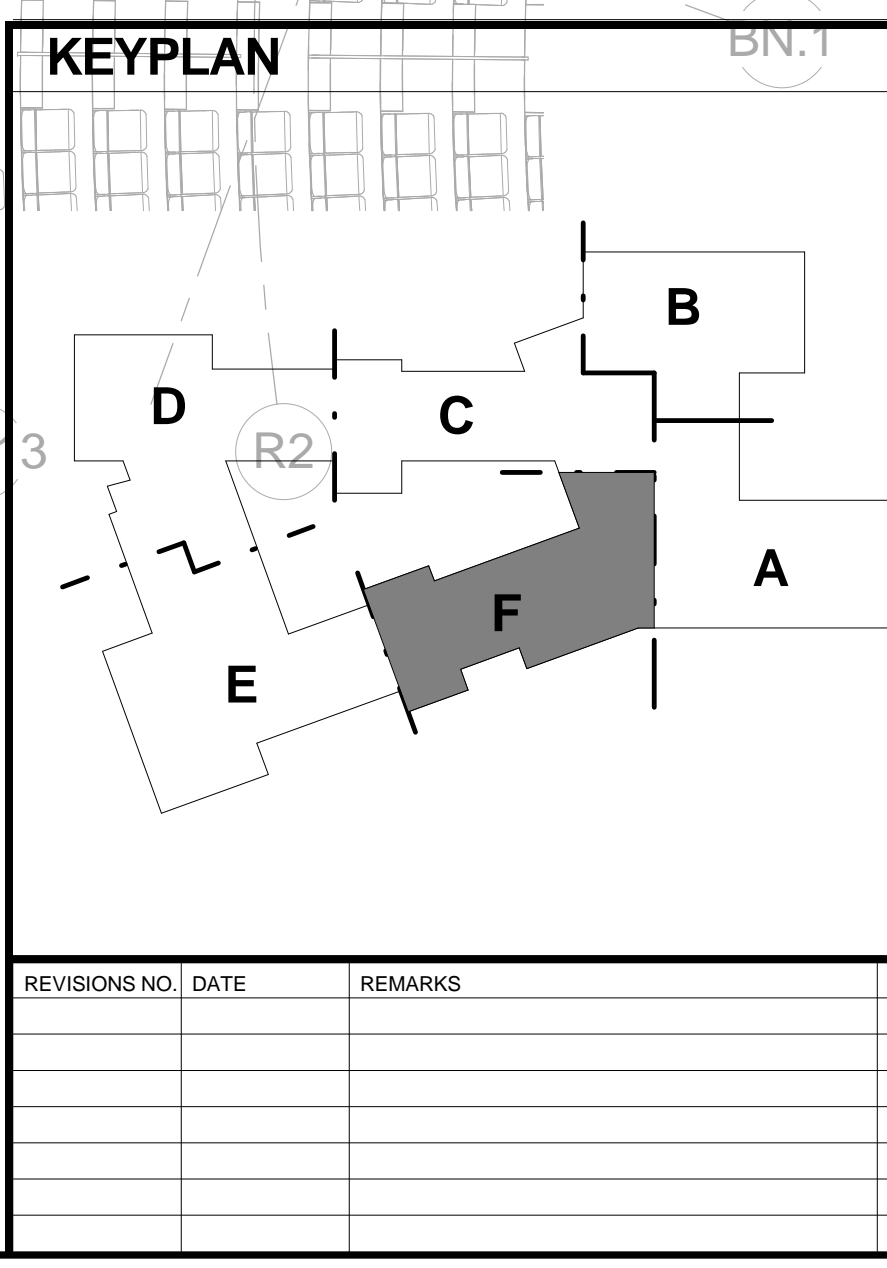


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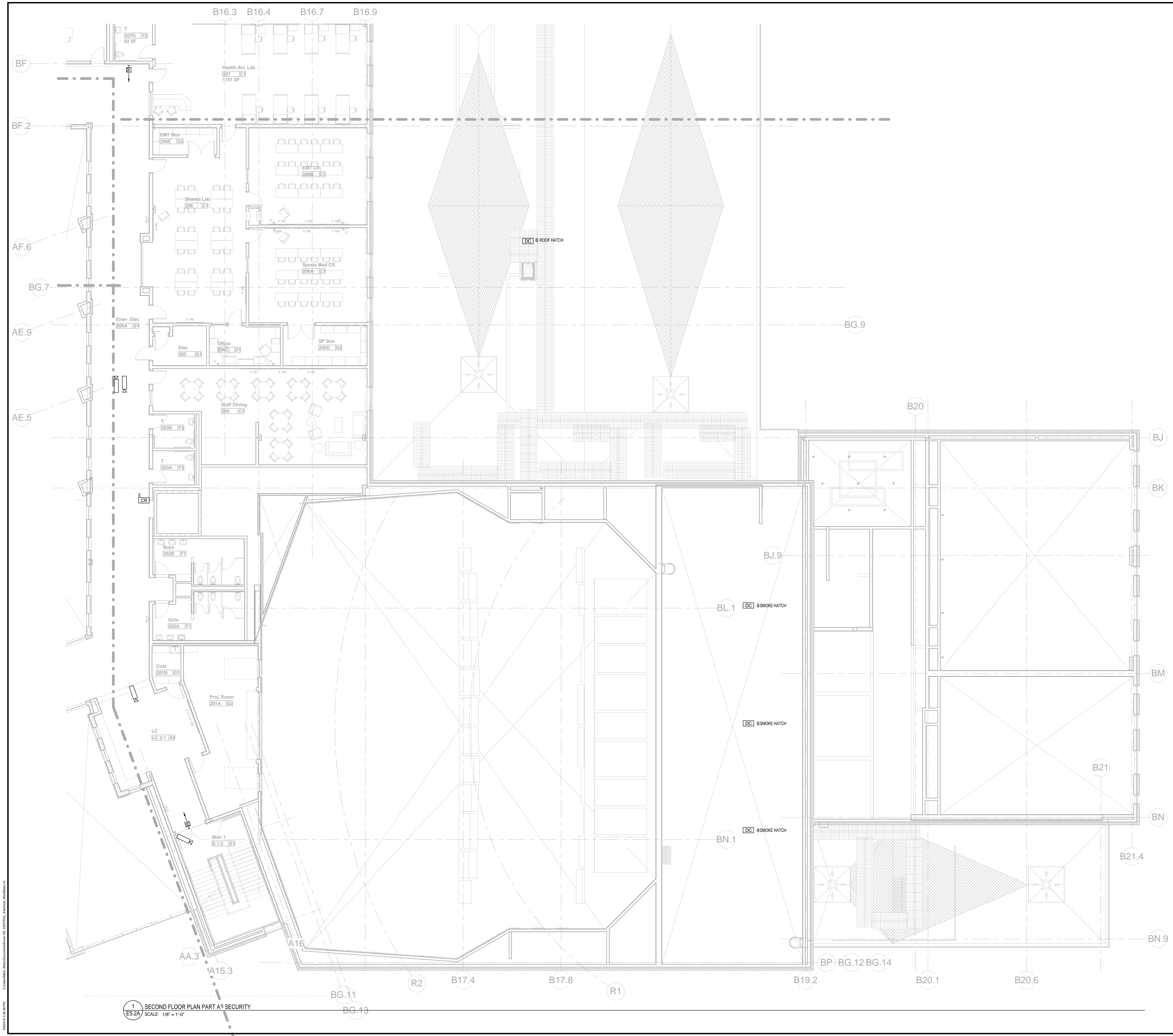
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1 FIRST FLOOR PLAN PART F - SECURITY
E5.1F
SCALE: 1/8" = 1'-0"

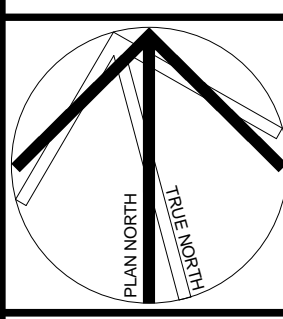


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1 SECOND FLOOR PLAN PART A - SECURITY
E5.2A SCALE: 1/8" = 1'-0"

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9/12/16

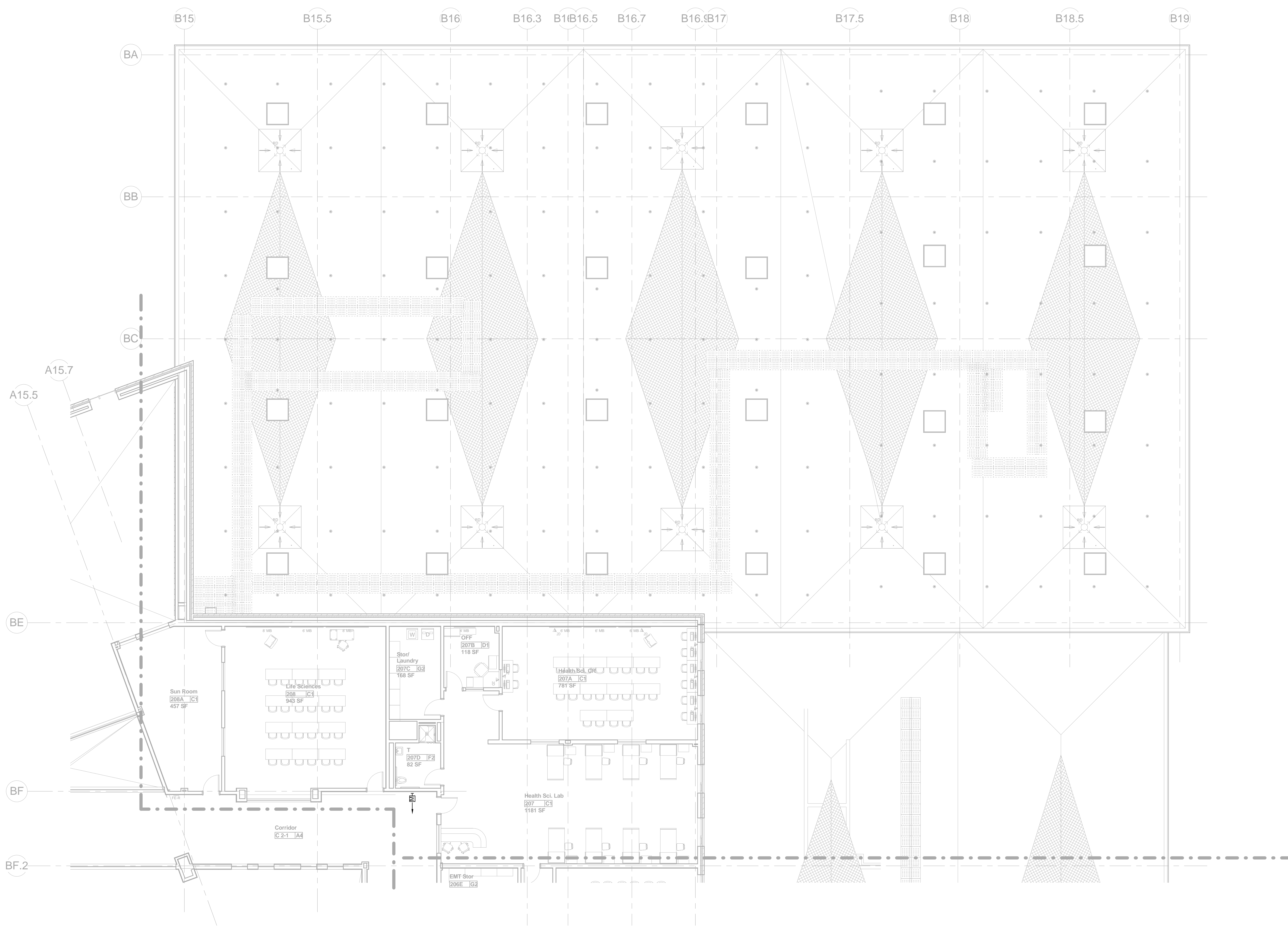


KEYPLAN

REVISIONS NO.	DATE	REMARKS	BY

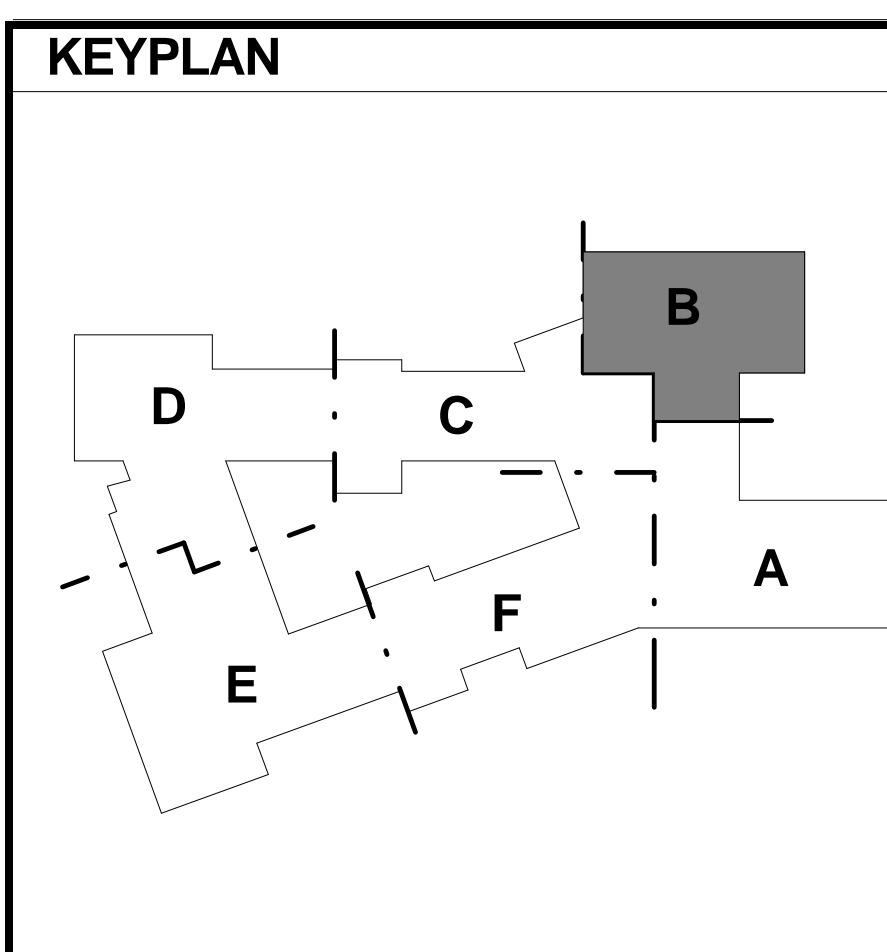
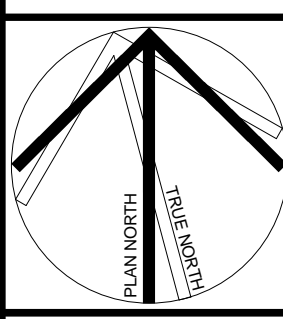
Dover HS / CTC
Dover, NH
SECOND FLOOR PLAN PART A - SECURITY
SCALE: As Indicated
DRAWN BY: WJK
CHECKED BY: DMP
DRAWING NUMBER
E5.2A
JOB NUMBER 40114

- GENERAL SECURITY NOTES:**
1. PROVIDE CORNER MOUNTED MOTION SENSOR WHENEVER POSSIBLE. ISSUES TO COORDINATE FINAL SECURITY ZONES WITH OWNER. PROGRAM PER OWNER'S DIRECTIONS.
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1 SECOND FLOOR PLAN PART B - SECURITY
E5.2B SCALE: 1/8" = 1'-0"

100% CONFORMED SET - FOR CONSTRUCTION
9/12/16

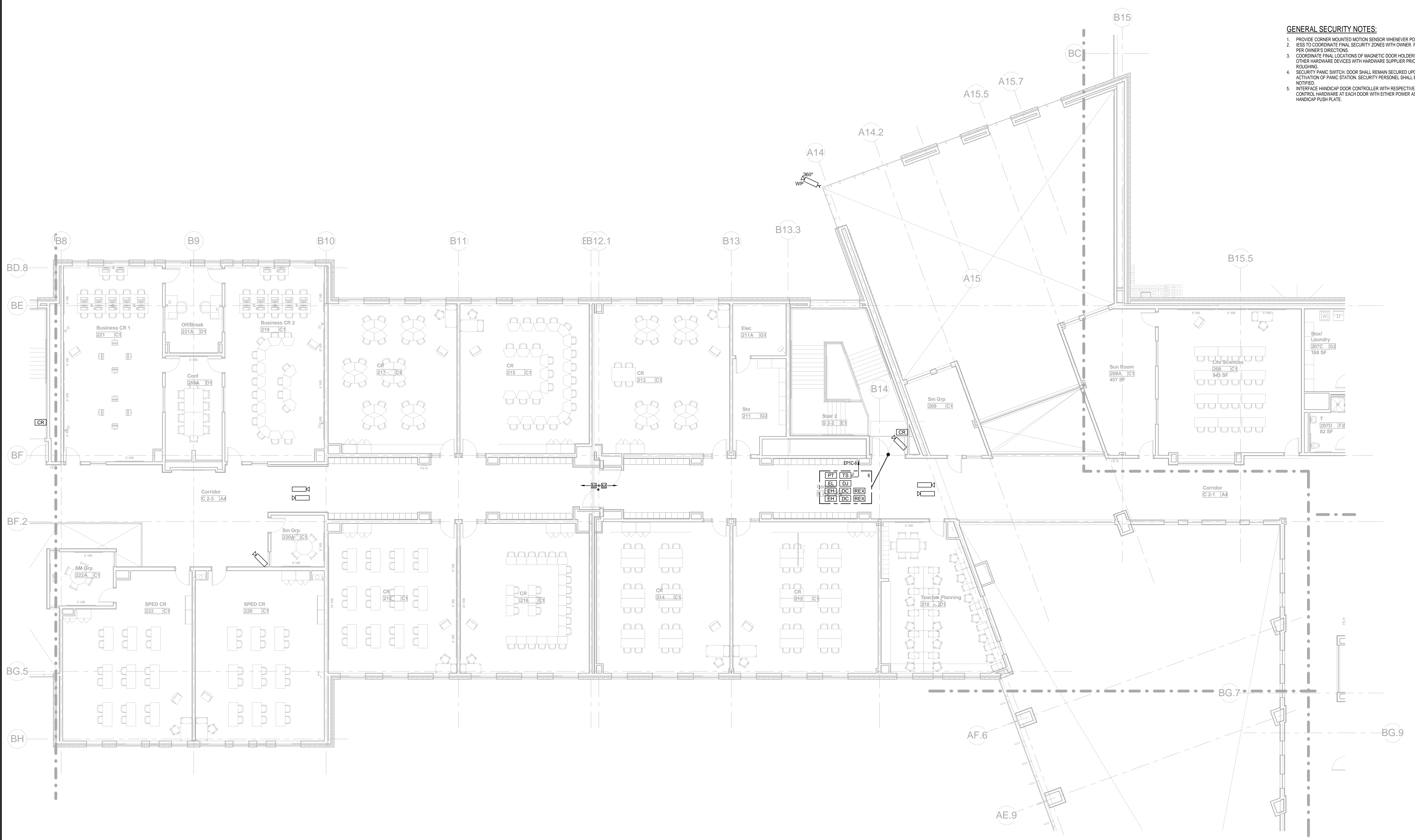


Dover HS / CTC
Dover, NH
SECOND FLOOR PLAN PART B - SECURITY
SCALE: As Indicated
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CHECKED BY: DMP

REVISIONS NO.	DATE	REMARKS	BY

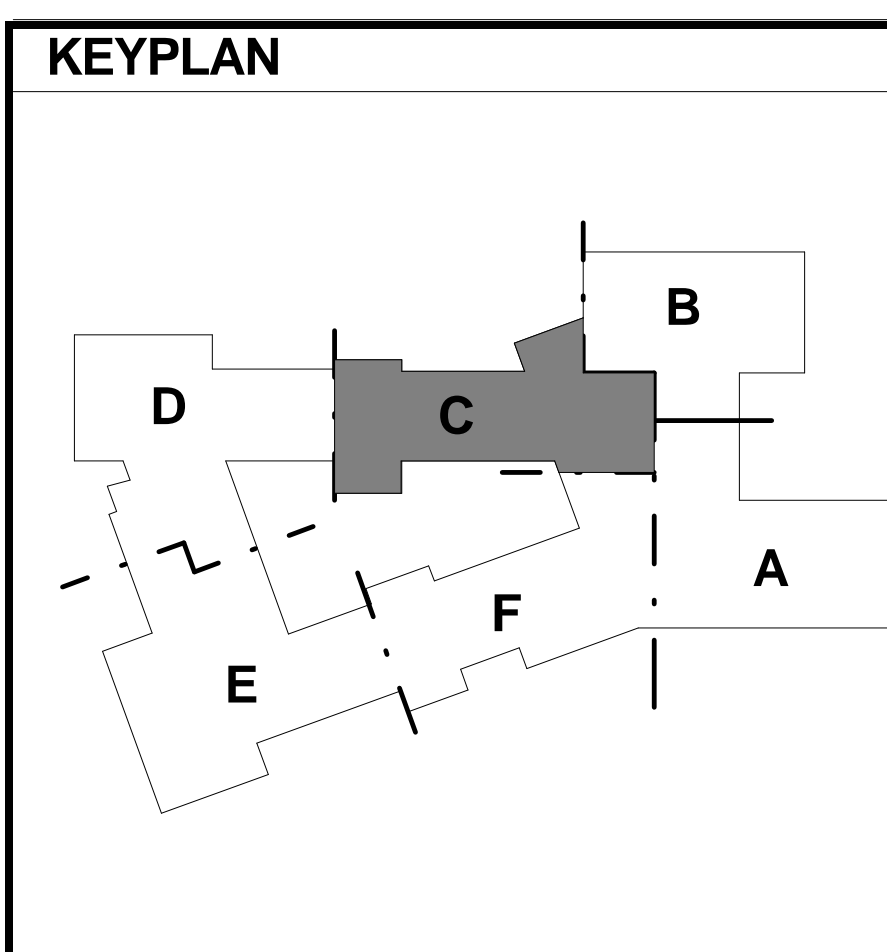
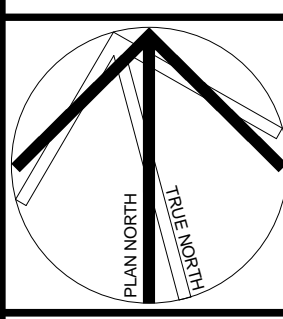
DRAWING NUMBER
E5.2B
JOB NUMBER 40114

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1 SECOND FLOOR PLAN PART C - SECURITY
E5.2C SCALE: 1/8" = 1'-0"

100% CONFORMED SET - FOR CONSTRUCTION
9/12/16

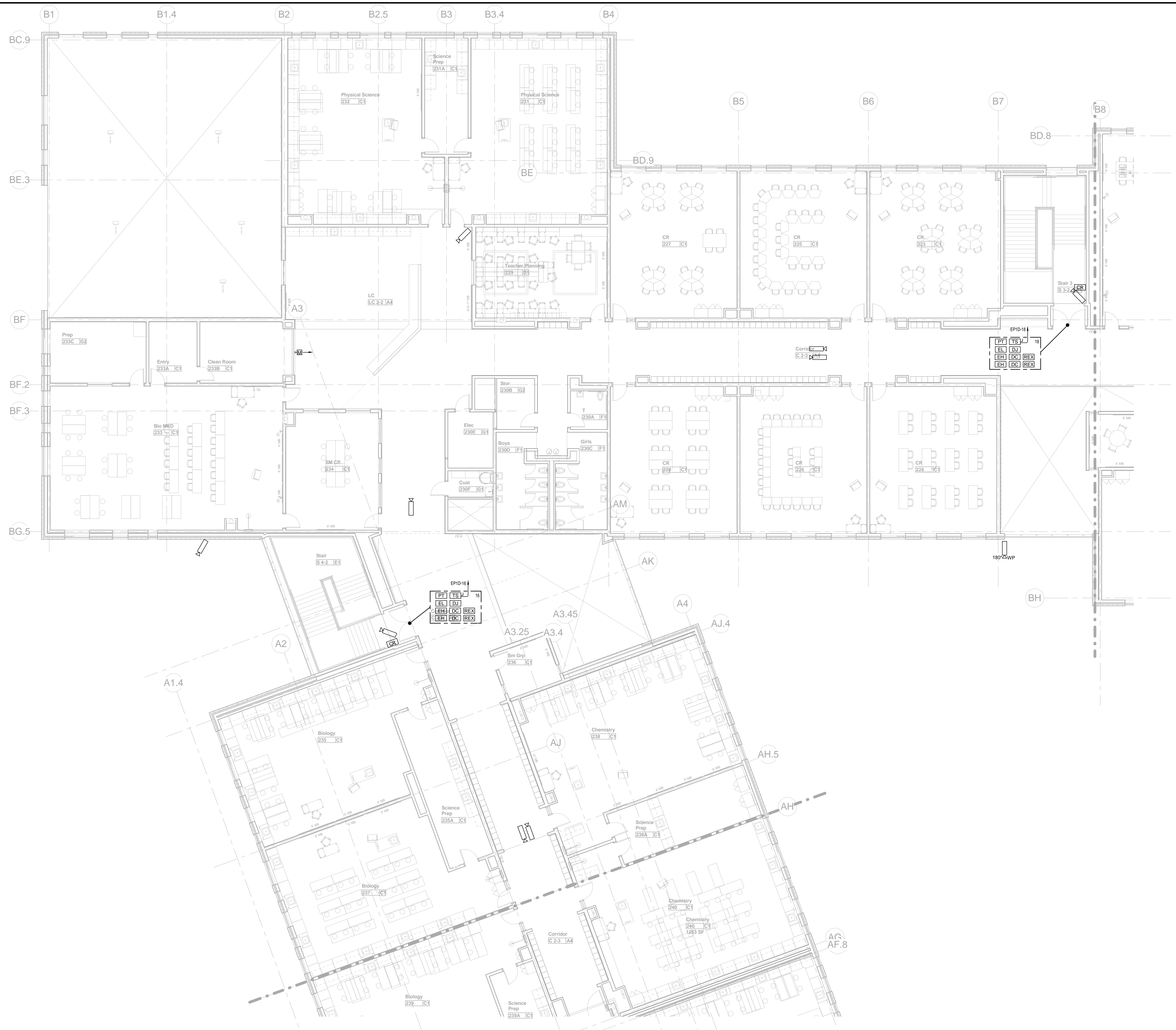


REVISIONS NO.	DATE	REMARKS	BY

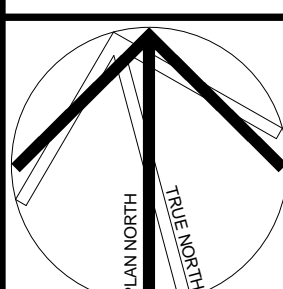
Dover HS / CTC
Dover, NH
SECOND FLOOR PLAN PART C - SECURITY
SCALE: As Indicated
DRAWN BY: WJK
CHECKED BY: DMP

DRAWING NUMBER
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JOB NUMBER 40114

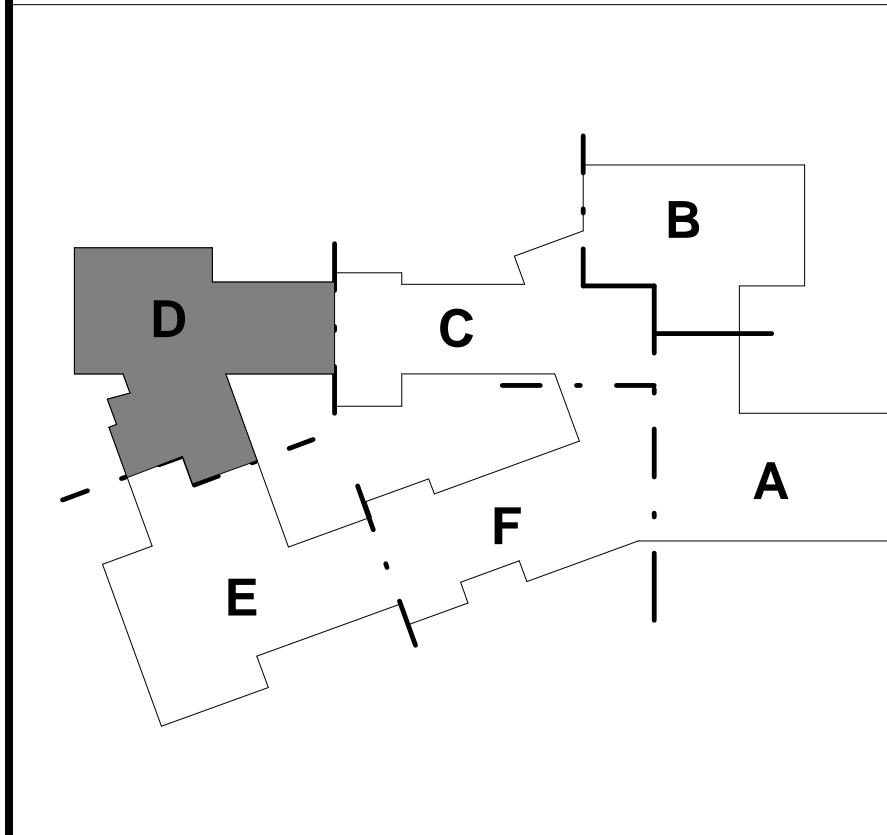
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KEYPLAN



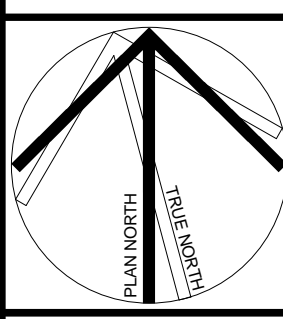
REVISIONS NO.	DATE	REMARKS	BY

Dover HS / CTC
Dover, NH
SECOND FLOOR PLAN PART D - SECURITY
SCALE: As Indicated
DRAWN BY: WJK
CHECKED BY: DMP

E5.2D
JOB NUMBER 40114

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9/12/16

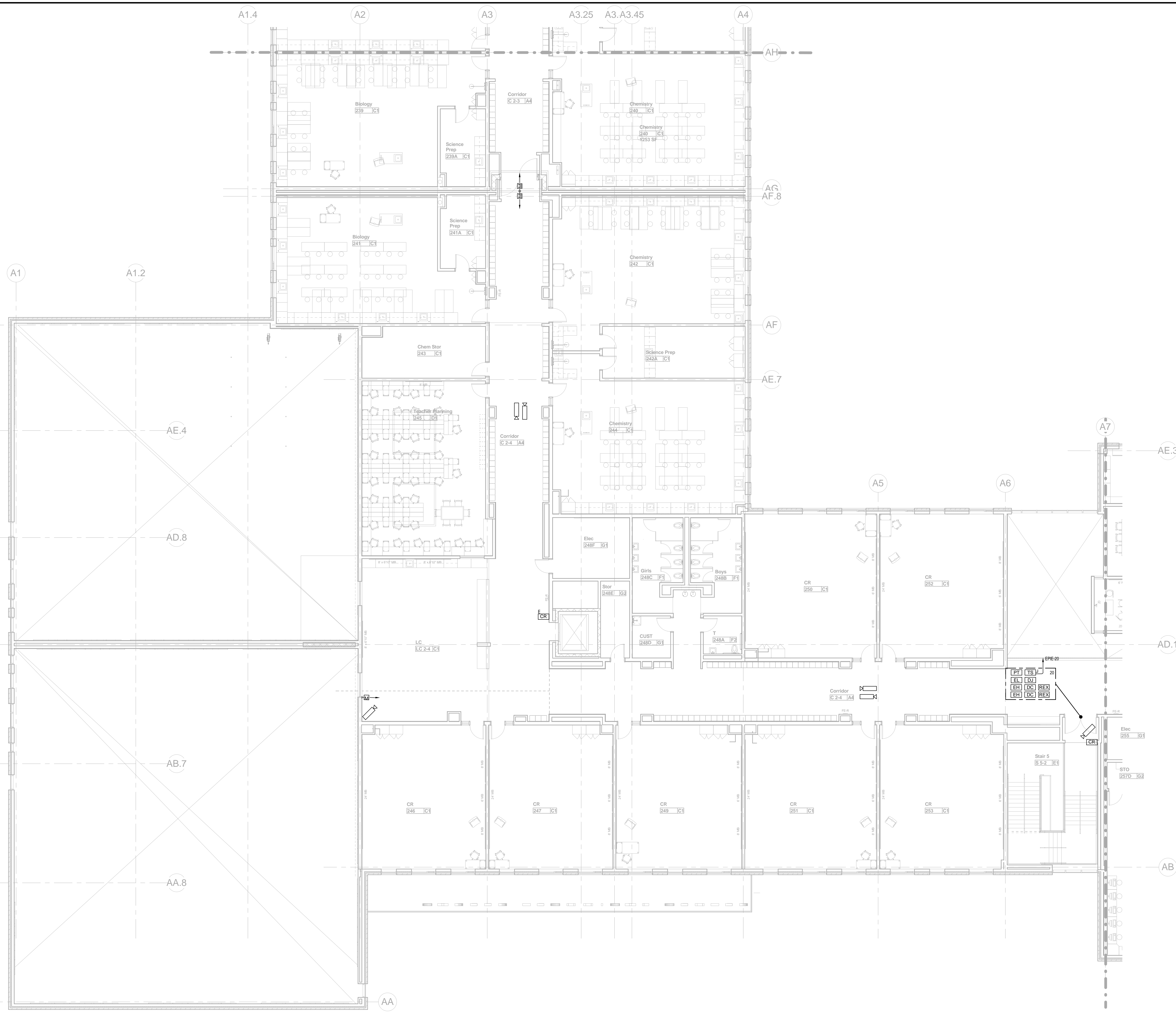


Dover HS / CTC
Dover, NH
SECOND FLOOR PLAN PART E - SECURITY
SCALE: As Indicated
DRAWN BY: WJK
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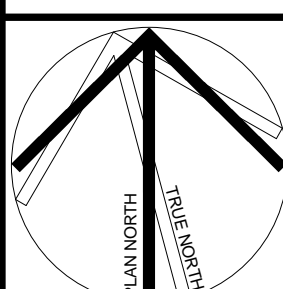
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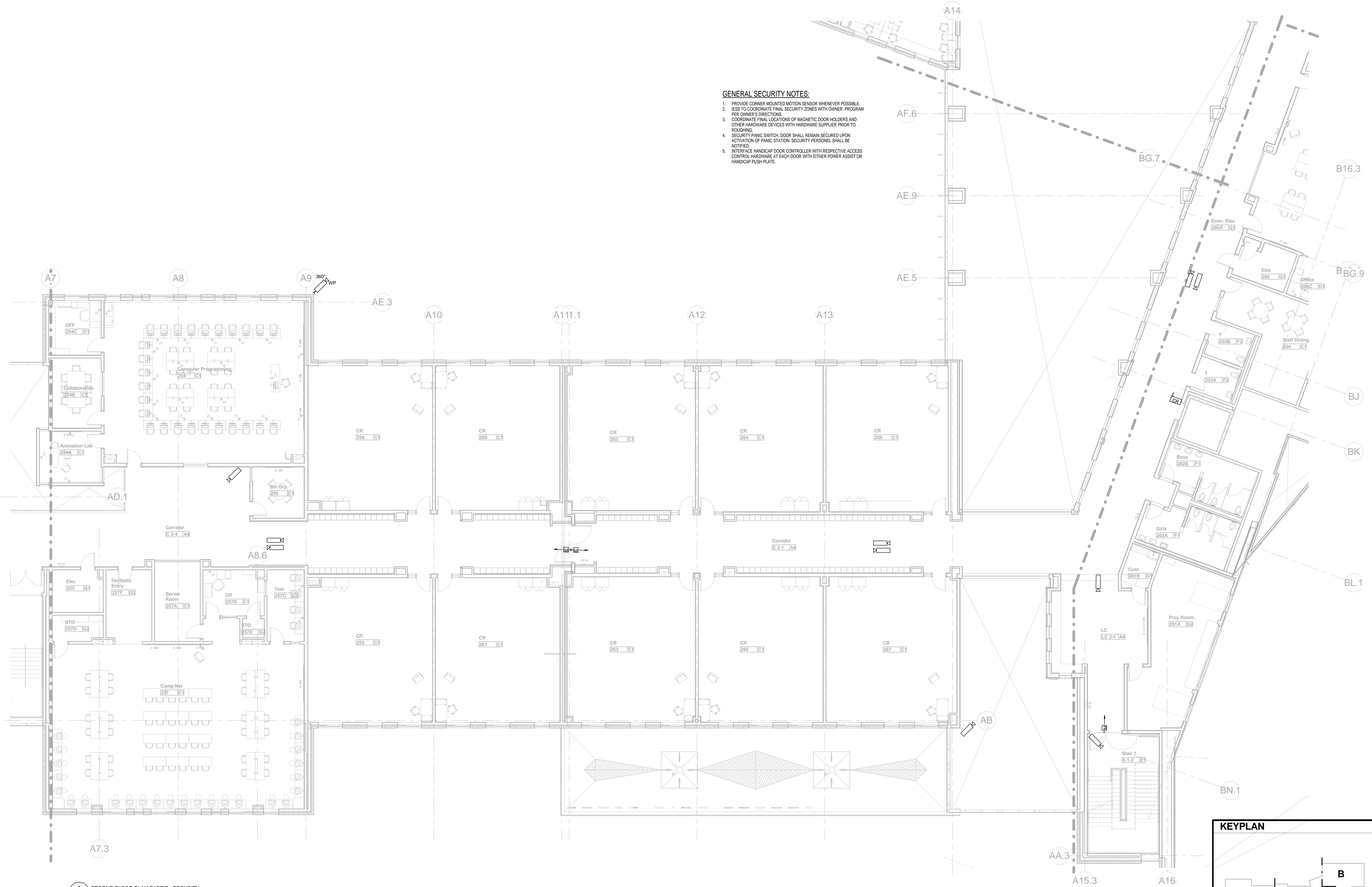
REVISIONS NO.	DATE	REMARKS	BY



1 SECOND FLOOR PLAN PART E - SECURITY
E5.2E SCALE: 1/8" = 1'-0"



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1 SECOND FLOOR PLAN PART F - SECURITY
E5.2F SCALE: 1/8" = 1'-0"

KEYPLAN

REVISIONS NO.	DATE	REMARKS	BY

SYMBOL LIST

- ## TEL/DATA OUTLETS
- W** WALL MOUNTED TELEPHONE OUTLET @ 48" A.F.F. REFER TO TEL/DATA RISER FOR WIRING REQUIREMENTS. COVER PLATES SHALL BE STAINLESS STEEL.
- #V/#D** WALL MOUNTED DATA OUTLET @ 18" A.F.F. REFER TO TEL/DATA RISER FOR WIRING REQUIREMENTS. NUMERAL INDICATES NUMBER OF RJ45 JACKS ON SAME FACEPLATE. COVER PLATES SHALL BE STAINLESS STEEL.
- COMBINATION TEL/DATA OUTLET @ 18" A.F.F.**
#V INDICATES NUMBER OF RJ45 VOICE JACKS. #D INDICATES NUMBER OF RJ45 DATA JACKS ON SAME FACEPLATE.
(1) VOICE & (1) DATA IF #V/#D IS NOT SHOWN (TYPICAL). REFER TO TEL/DATA RISER FOR WIRING REQUIREMENTS. COVER PLATES SHALL BE STAINLESS STEEL.
- AN** WIRELESS ACCESS NODE - DATA REFER TO TEL/DATA RISER FOR WIRING REQUIREMENTS. COVER PLATES SHALL BE STAINLESS STEEL. MOUNTED ABOVE CEILING U.N.O.
- [TVC]** CABLE/DATA OUTLET REFER TO TEL/DATA RISER FOR WIRING REQUIREMENTS. COVER PLATES SHALL BE STAINLESS STEEL. MOUNTED @ 84" A.F.F. U.N.O.
- [TVE]** VIDEO PROJECTOR OUTLET REFER TO TEL/DATA RISER FOR WIRING REQUIREMENTS. COVER PLATES SHALL BE STAINLESS STEEL. CEILING MOUNTED U.N.O.
- T** TEACHER'S STATION REFER TO TEL/DATA RISER FOR WIRING REQUIREMENTS. COVER PLATES SHALL BE STAINLESS STEEL. MOUNTED @ 18" A.F.F. U.N.O.
- IDF** INTERMEDIATE DISTRIBUTION FRAME
- MDF** MAIN DISTRIBUTION FRAME
- W** WIRELESS SYSTEM CLOCK
- [S]** FLUSH MOUNTED CEILING SPEAKER
- [+S]** FLUSH WALL MOUNTED SPEAKER
- [+S] WP** WEATHER PROOF FLUSH MOUNTED SPEAKER. FINISH TO BE SELECTED BY ARCH.
- [S]** SPEAKER CEILING TYPE SUBSCRIPT 'S' DENOTES SURFACE MOUNTED
- [SRP]** SMART RESCUE PHONE
- [ARA]** AREA RESCUE ASSISTANCE BUTTON

RECEPTACLES

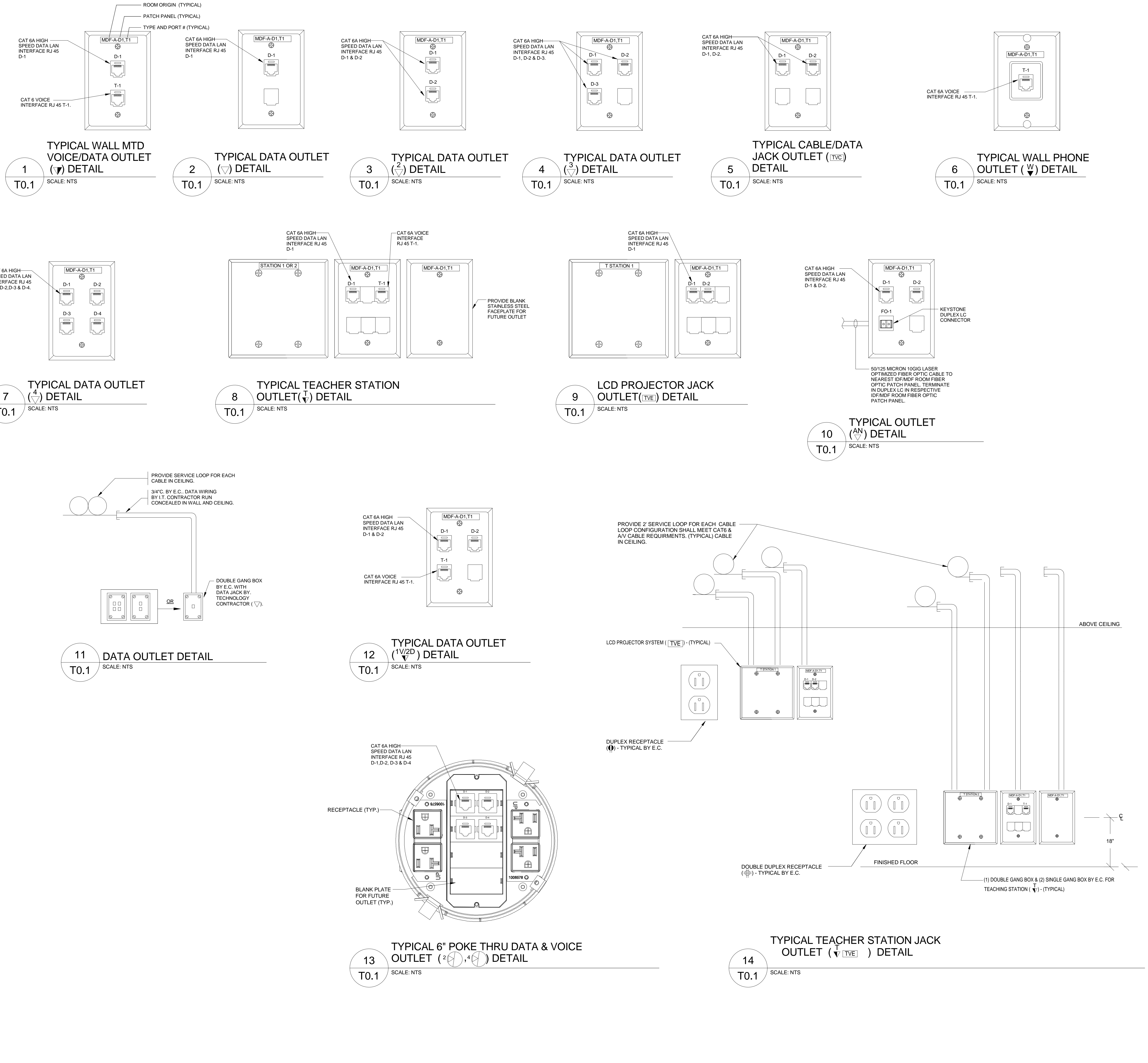
- [F1]** FLUSH FLOOR OUTLET BOXES WITH BOTH 120 VOLT & TELE/DATA COMPARTMENTS FLOOR BOX BY OTHERS. BRASS COVER PLATE BY I.T. CONTRACTOR.
- [F2]** FLUSH FLOOR OUTLET BOXES WITH BOTH 120 VOLT & DATA COMPARTMENTS. FLOOR BOX BY OTHERS. BRASS COVER PLATE BY I.T. CONTRACTOR.
- W** WIREMOLD RACEWAY PROVIDED UNDER SECTION 260000
- [FS1]** RECESSED 12 GANG FLOOR BOX.
- [FS2]** RECESSED 10 GANG FLOOR BOX.

LOCAL SOUND SYSTEMS

- [AMP]** LOCAL SOUND SYSTEM AMPLIFIER-SEE SPEC FOR DETAILS
- [LS]** HIGH OUTPUT SPEAKER FOR LOCAL SOUND SYSTEM-SEE SPEC FOR DETAILS
- [S]** SPEAKER CEILING TYPE SUBSCRIPT 'S' DENOTES SURFACE MOUNTED
- [M]** MICROPHONE
- [V]** VOLUME CONTROL
- [S<]** SOUND SPHERE SPEAKER
- [S<] WP** WEATHER PROOF SPEAKER. FINISH TO BE SELECTED BY ARCH.
- [R]** PRIORITY RELAY
- [+S]** FLUSH WALL MOUNTED SPEAKER
- [+S] WP** WEATHER PROOF SPEAKER. FINISH TO BE SELECTED BY ARCH.
- [M+]** MICROPHONE
- [AJ]** RCA AUDIO INPUT JACK
- [B-]** BLUE BEACON FOR PAGING SYSTEM - AT 108" A.F.F. UNO-SINGLE GANG OPENING WITH SINGLE GANG PLASTER RING AND PULL LINE TO NEAREST ACCESSIBLE CEILING SPACE. JACKS AND WIRING BY I.T. SUBCONTRACTOR.

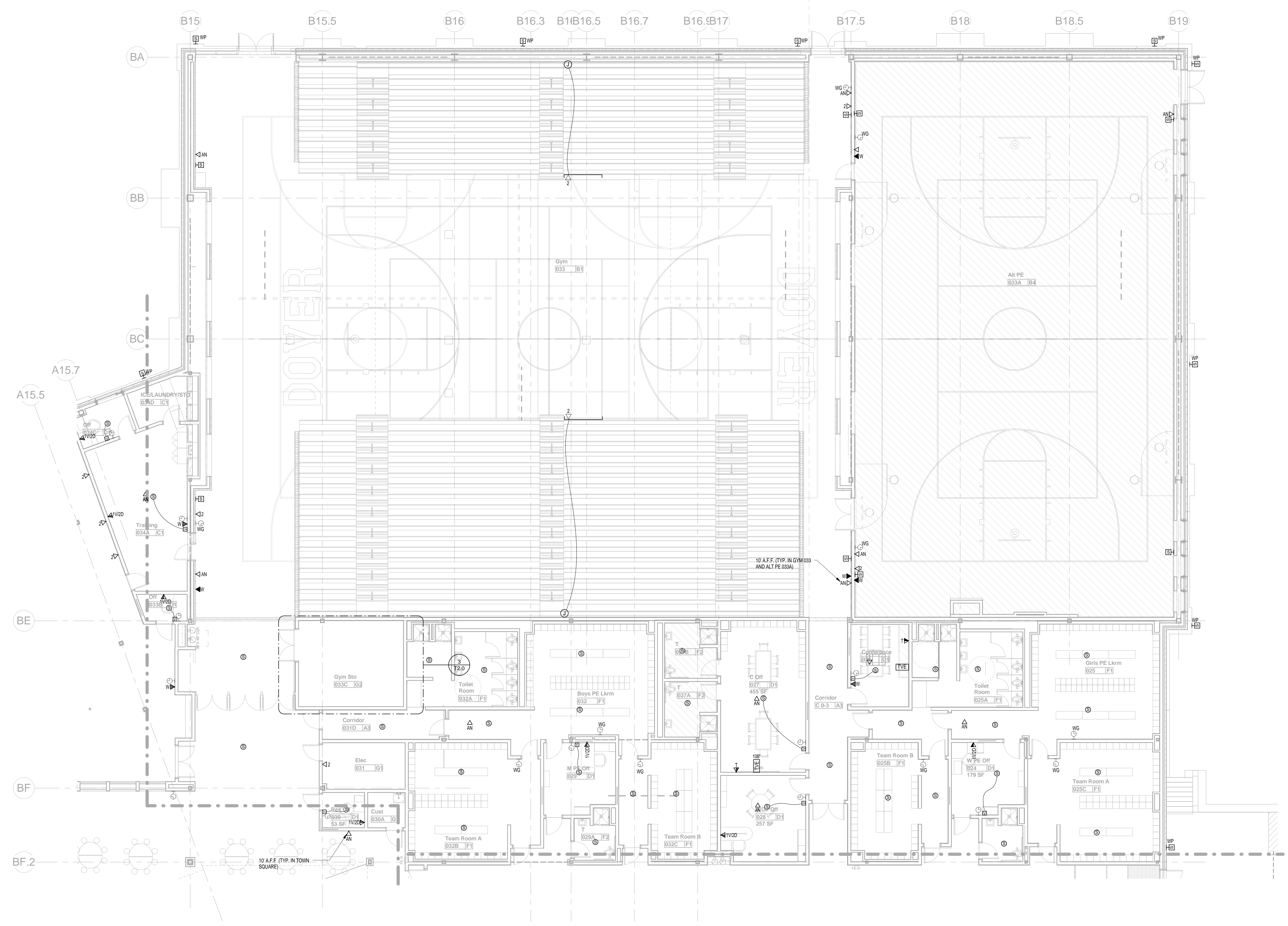
ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR	P.C.	PLUMBING CONTRACTOR
A.F.G.	ABOVE FINISHED GRADE	M.H.	MOUNTING HEIGHT
APC	ANGLE POLISHED CONNECTOR	W.P.	WEATHER PROOF
ARCH.	ARCHITECT	U.N.O.	UNLESS NOTED OTHERWISE
A.T.C.	AUTO-TEMP CONTROL CONTRACTOR	WG	WIRE GUARD
CLG.	CENTERLINE	CATV	CABLE TELEVISION
E.C.	ELECTRICAL CONTRACTOR	DH	DOOR HOLDER
F&I	FURNISHED AND INSTALLED	F.A.C.P.	FIRE ALARM CONTROL PANEL
F.P.C.	FIRE PROTECTION CONTRACTOR	PAC	PUBLIC ACCESS COMPUTER
G.C.	GENERAL CONTRACTOR	MAC	MACINTOSH COMPUTER
H.V.A.C.	HEATING, VENTILATION, AND AIR CONDITIONING CONTRACTOR	I.T.	INFORMATION TECHNOLOGY
		IESS	INTEGRATED ELECTRONIC SECURITY SYSTEM INTEGRATOR



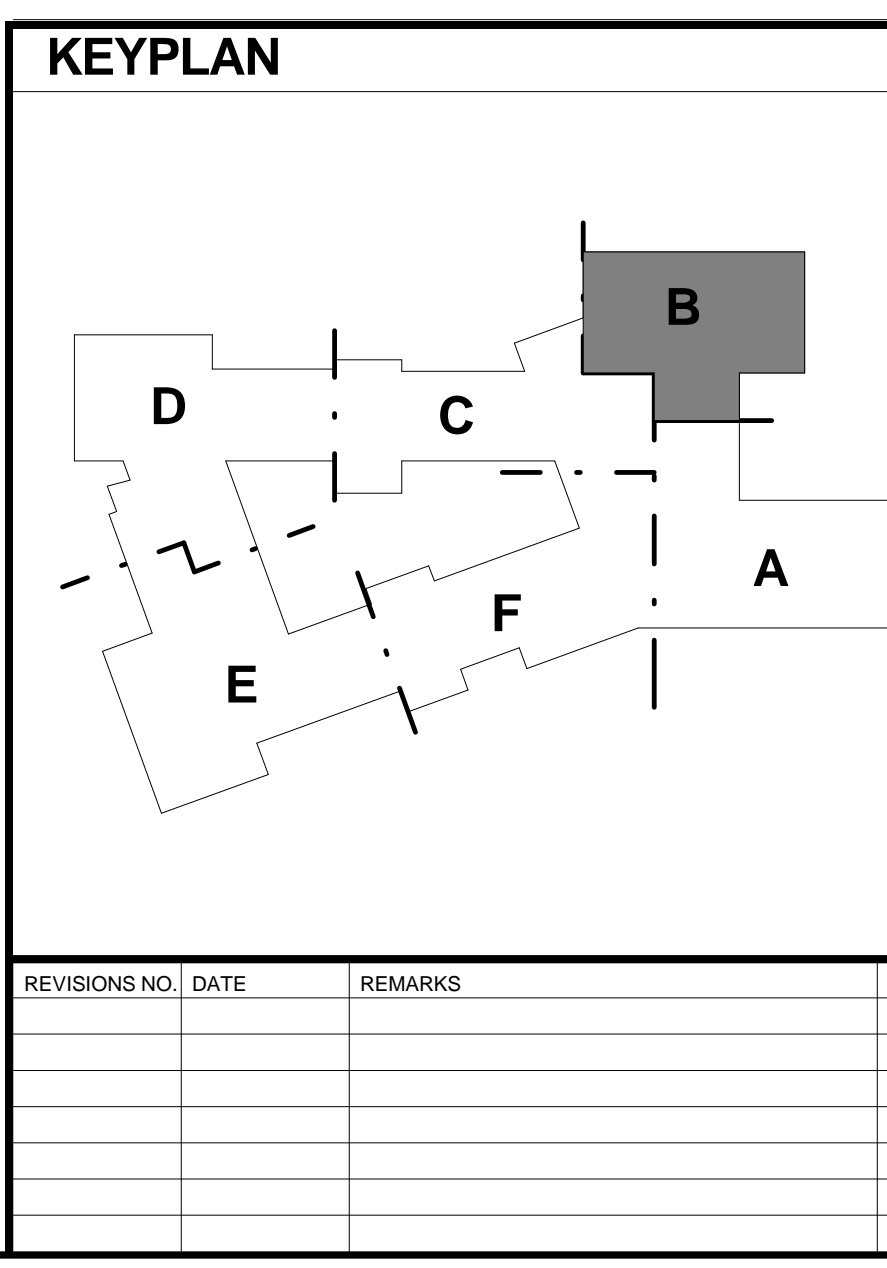
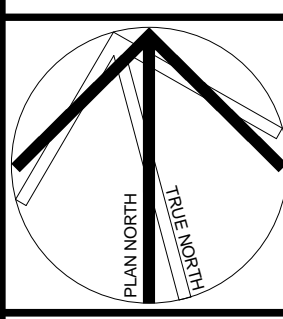
REVISIONS NO.	DATE	REMARKS	BY

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 2. KEEP COMMUNICATIONS CABLING AT LEAST 12" AWAY FROM POWER WIRING.
 3. ALL CONDUITS AND JUNCTION BOXES TO BE PROVIDED UNDER DIVISION 260000. CONDUITS SHOWN ARE FOR REFERENCE ONLY.



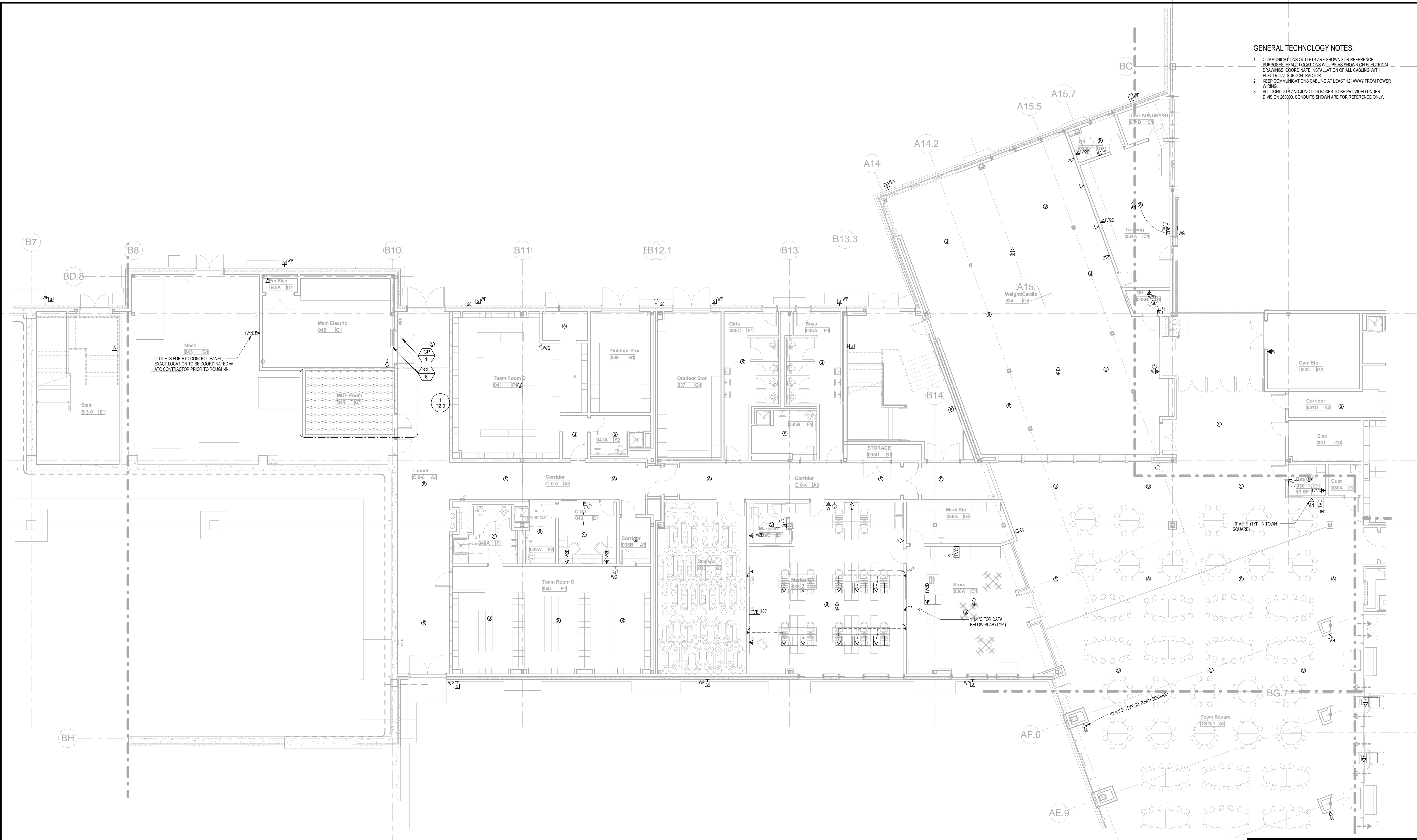
1 GROUND FLOOR PLAN PART B - TECHNOLOGY
T1.0B SCALE: 1/8" = 1'-0"

100% CONFORMED SET - FOR CONSTRUCTION
9/12/16



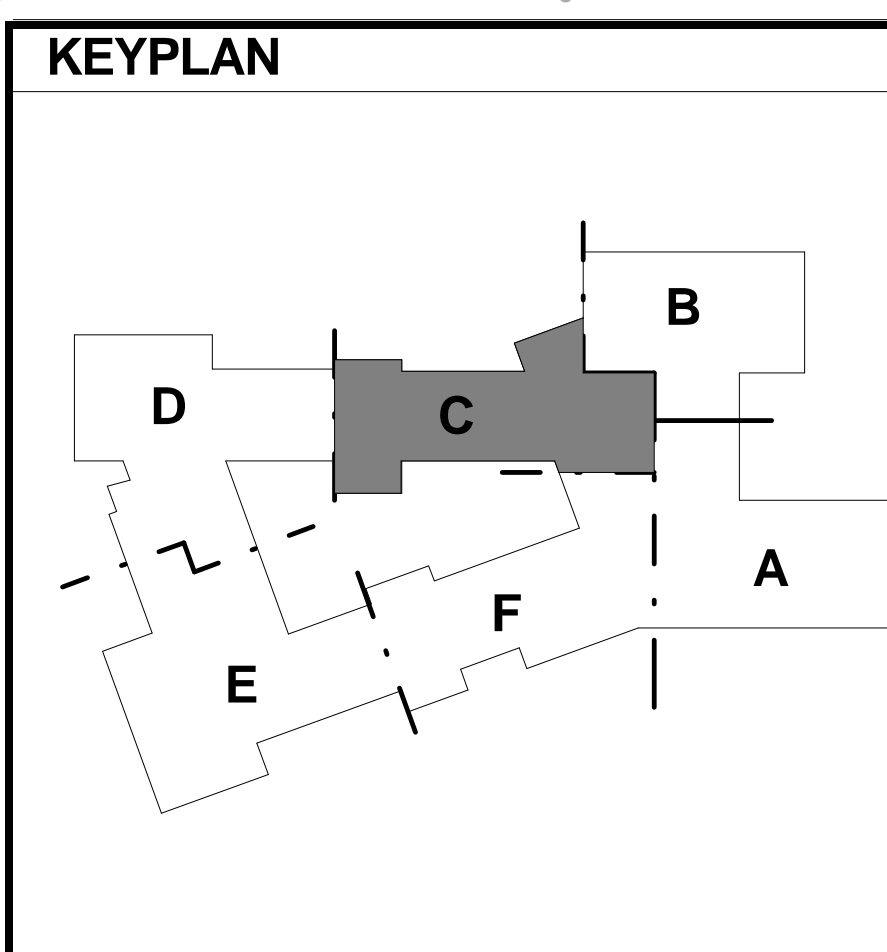
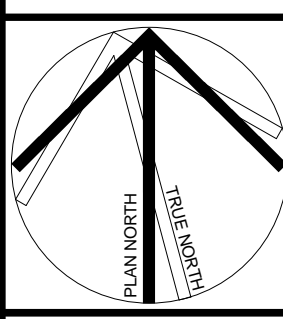
Dover HS / CTC
Dover, NH
GROUND FLOOR PLAN PART B - TECHNOLOGY
SCALE: AS SHOWN DRAWN BY: WJK CHECKED BY: DMP
DRAWING NUMBER
T1.0B
JOB NUMBER 40114

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1 GROUND FLOOR PLAN PART C - TECHNOLOGY
SCALE: 1/8" = 1'-0"

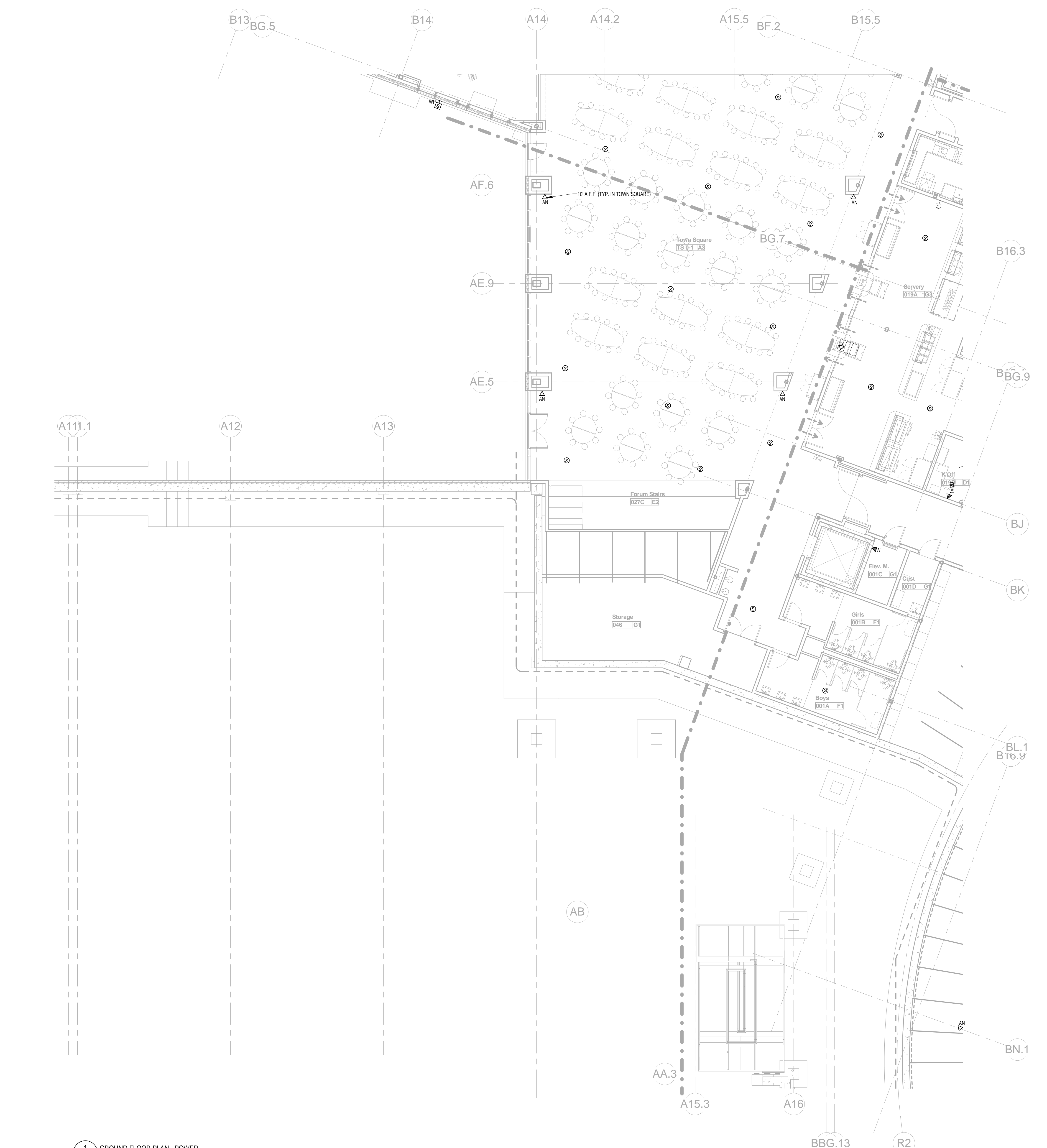
100% CONFORMED SET - FOR CONSTRUCTION
9/12/16



REVISIONS NO.	DATE	REMARKS	BY
B	2016-09-01	Addendum B	B

Dover HS / CTC
Dover, NH
GROUND FLOOR PLAN PART C - TECHNOLOGY
SCALE: AS INDICATED
DRAWN BY: WJK
CHECKED BY: DMP

DRAWING NUMBER
T1.0C
JOB NUMBER 403114



- GENERAL TECHNOLOGY NOTES:**
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 2. KEEP COMMUNICATIONS CABLING AT LEAST 12" AWAY FROM POWER WIRING.
 3. ALL CONDUITS AND JUNCTION BOXES TO BE PROVIDED UNDER DIVISION 260000. CONDUITS SHOWN ARE FOR REFERENCE ONLY.

1 GROUND FLOOR PLAN - POWER
T1.0F SCALE: 1/8" = 1'-0"

KEYPLAN

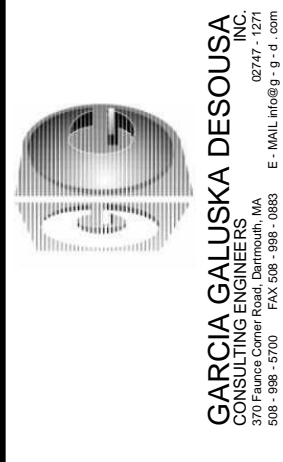
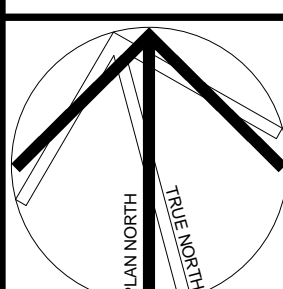
REVISIONS NO.	DATE	REMARKS	BY

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Dover, NH
GROUND FLOOR PLAN PART F - TECHNOLOGY
SCALE: As Indicated DRAWN BY: WJK CHECKED BY: DMP

T1.0F

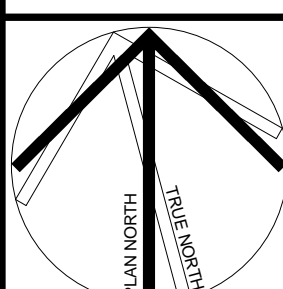
JOB NUMBER 40114

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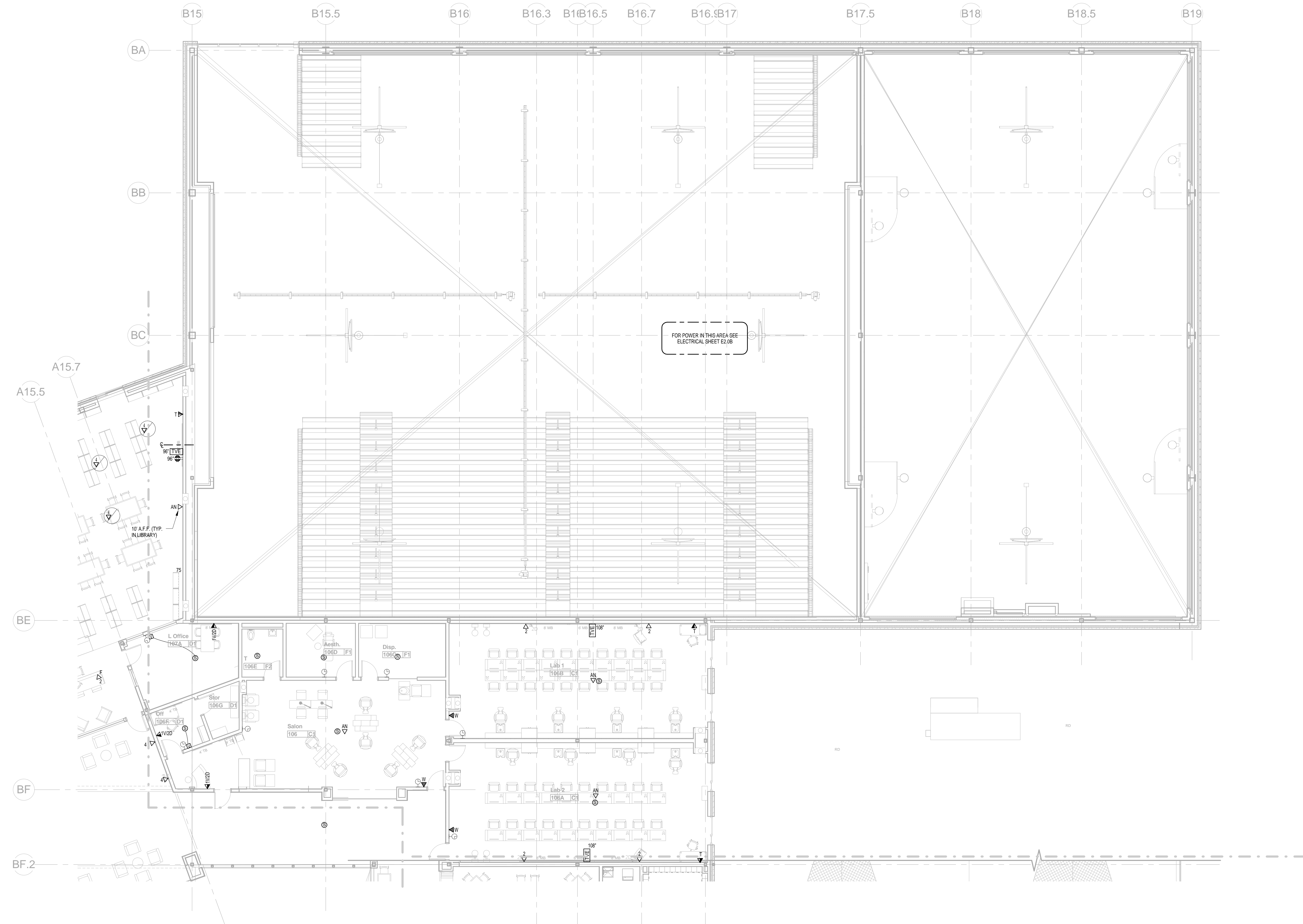


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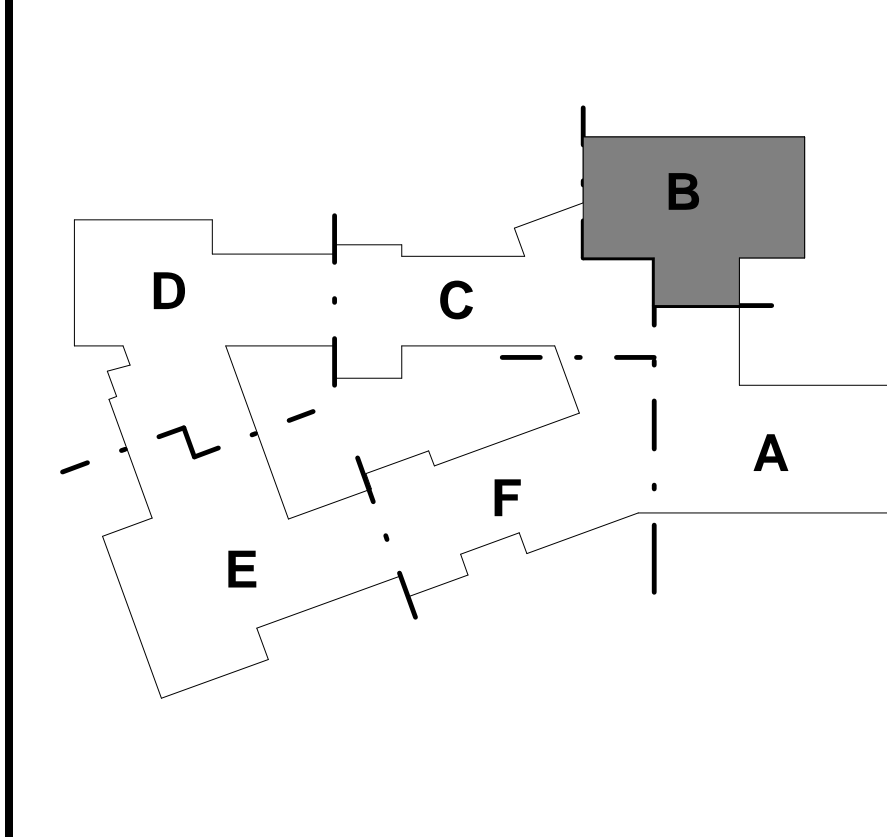


- GENERAL TECHNOLOGY NOTES:**
- COMMUNICATIONS OUTLETS ARE SHOWN FOR REFERENCE PURPOSES. EXACT LOCATIONS WILL BE AS SHOWN ON ELECTRICAL DRAWINGS. COORDINATE INSTALLATION OF ALL CABLING WITH ELECTRICAL SUBCONTRACTOR.
 - KEEP COMMUNICATIONS CABLING AT LEAST 12" AWAY FROM POWER WIRING.
 - ALL CONDUITS AND JUNCTION BOXES TO BE PROVIDED UNDER DIVISION 280000. CONDUITS SHOWN ARE FOR REFERENCE ONLY.

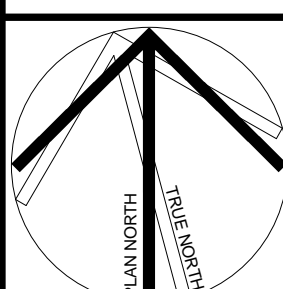


1 FIRST FLOOR PLAN PART B - TECHNOLOGY
T1.1B SCALE: 1/8" = 1'-0"

KEYPLAN



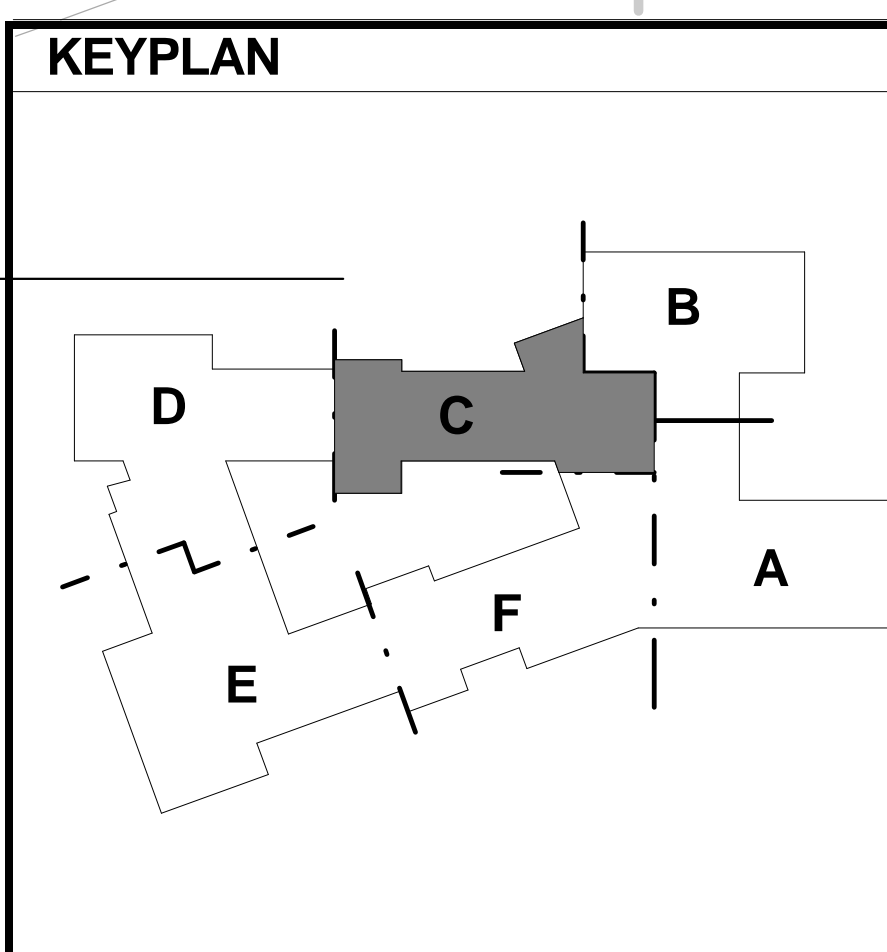
REVISIONS NO.	DATE	REMARKS	BY



- GENERAL TECHNOLOGY NOTES:**
1. COMMUNICATIONS OUTLETS ARE SHOWN FOR REFERENCE PURPOSES. EXACT LOCATIONS WILL BE AS SHOWN ON ELECTRICAL DRAWINGS. COORDINATE INSTALLATION OF ALL CABLING WITH ELECTRICAL SUBCONTRACTOR.
 2. KEEP COMMUNICATIONS CABLING AT LEAST 12" AWAY FROM POWER WIRING.
 3. ALL CONDUITS AND JUNCTION BOXES TO BE PROVIDED UNDER DIVISION 20000. CONDUITS SHOWN ARE FOR REFERENCE ONLY.



1 FIRST FLOOR PLAN PART C - TECHNOLOGY
T1.1C SCALE: 1/8" = 1'-0"



REVISIONS NO.	DATE	REMARKS	BY
B	2016-09-01	Addendum B	B

DRAWING NUMBER
T1.1C
JOB NUMBER 40114

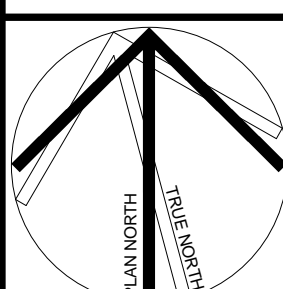


- GENERAL TECHNOLOGY NOTES:**
1. COMMUNICATIONS OUTLETS ARE SHOWN FOR REFERENCE PURPOSES. EXACT LOCATIONS WILL BE AS SHOWN ON ELECTRICAL DRAWINGS. COORDINATE INSTALLATION OF ALL CABLING WITH ELECTRICAL SUBCONTRACTOR.
 2. KEEP COMMUNICATIONS CABLING AT LEAST 12" AWAY FROM POWER WIRING.
 3. ALL CONDUITS AND JUNCTION BOXES TO BE PROVIDED UNDER DIVISION 26000. CONDUITS SHOWN ARE FOR REFERENCE ONLY.

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KEYPLAN
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 C
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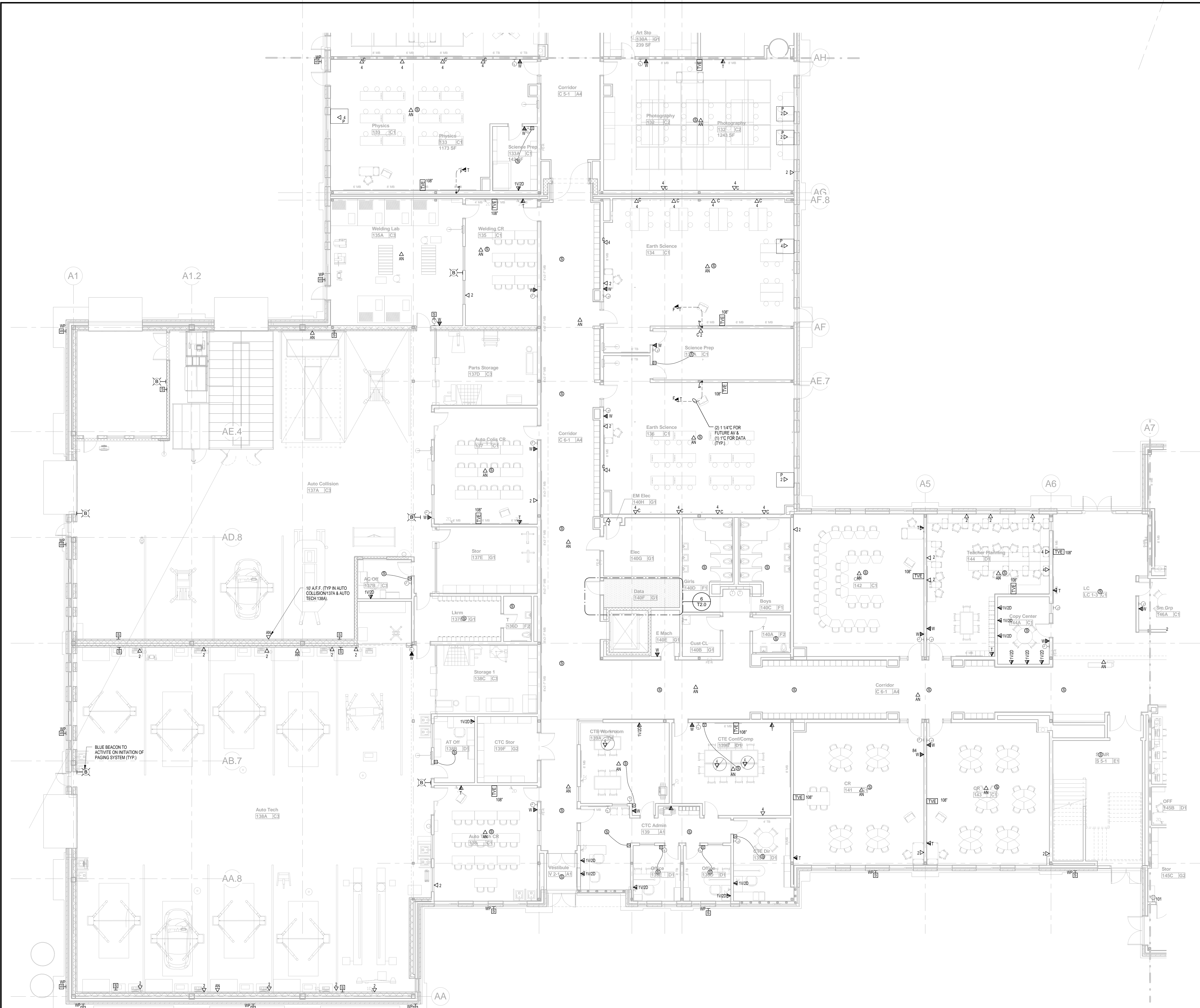
T1.1D

1 FIRST FLOOR PLAN PART D - TECHNOLOGY
 SCALE: 1/8" = 1'-0"

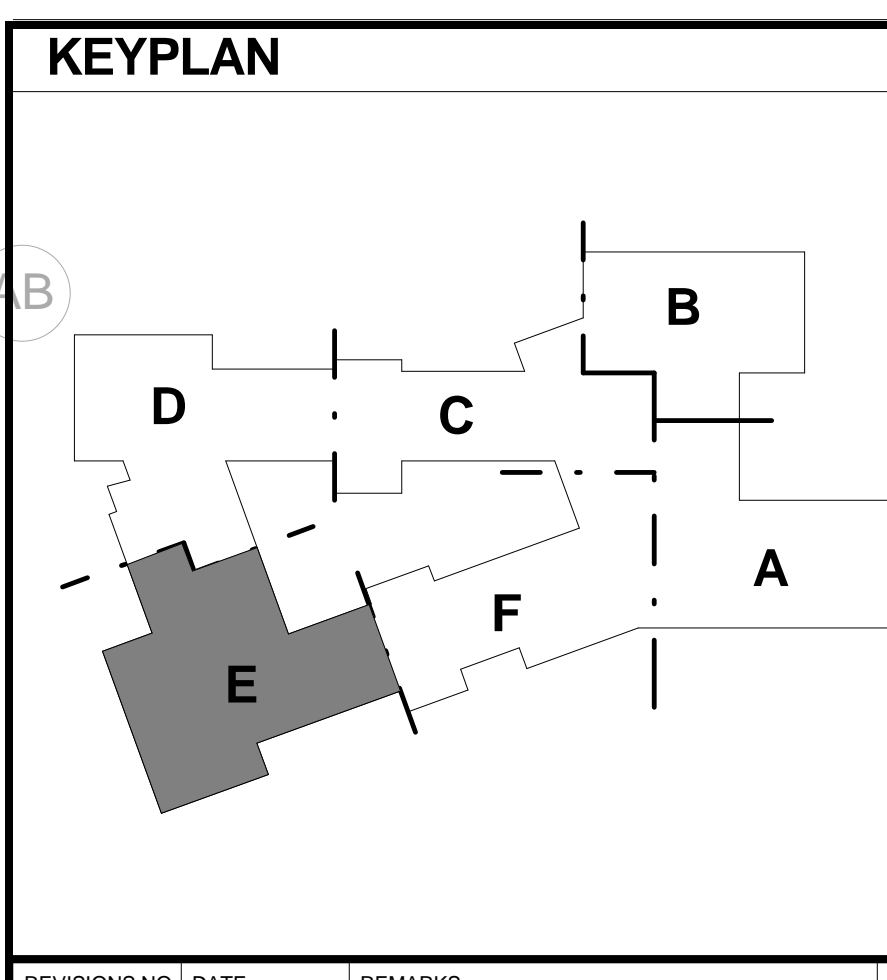
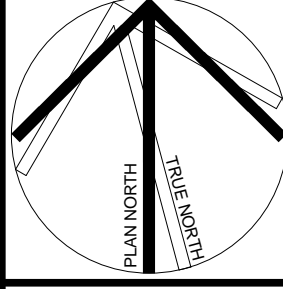
REVISIONS NO.	DATE	REMARKS	BY

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- GENERAL TECHNOLOGY NOTES:**
1. COMMUNICATIONS OUTLETS ARE SHOWN FOR REFERENCE PURPOSES. EXACT LOCATIONS WILL BE AS SHOWN ON ELECTRICAL DRAWINGS. COORDINATE INSTALLATION OF ALL CABLING WITH ELECTRICAL SUBCONTRACTOR.
 2. KEEP COMMUNICATIONS CABLING AT LEAST 12" AWAY FROM POWER WIRING.
 3. ALL CONDUITS AND JUNCTION BOXES TO BE PROVIDED UNDER DIVISION 50000. CONDUITS SHOWN ARE FOR REFERENCE ONLY.



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FIRST FLOOR PLAN PART E - TECHNOLOGY
SCALE: As Indicated DRAWN BY: WJK CHECKED BY: DMP

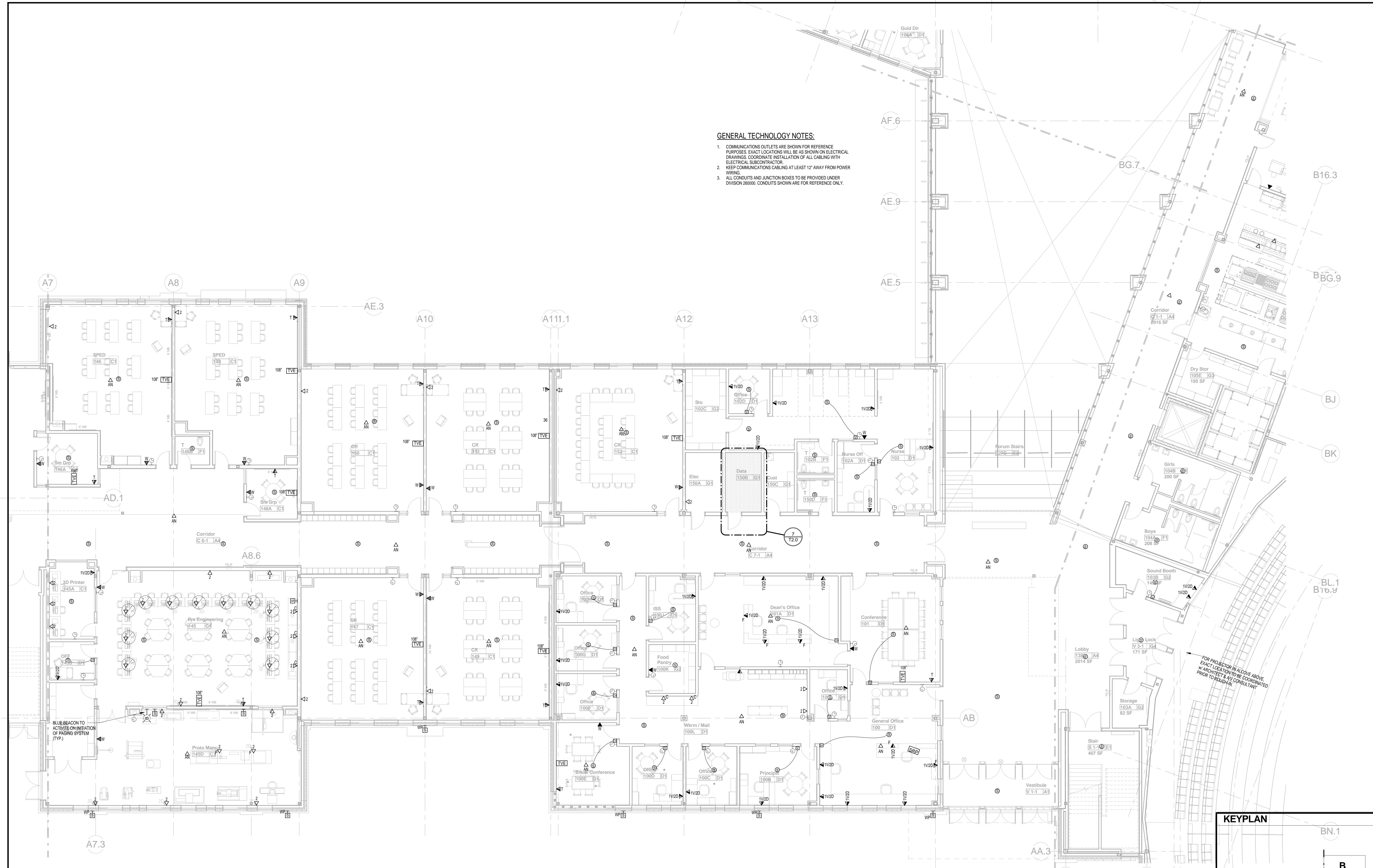
REVISIONS NO.	DATE	REMARKS	BY
B	2016-09-01	Addendum B	B

T1.1E
JOB NUMBER 403114

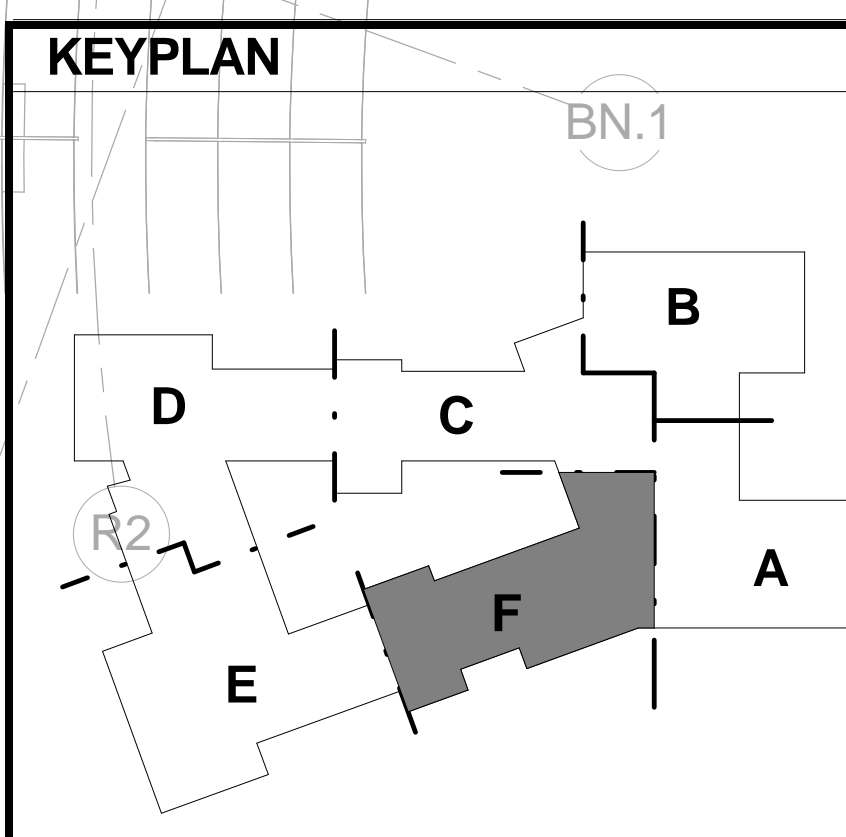
1 FIRST FLOOR PLAN PART E - TECHNOLOGY
SCALE: 1/8" = 1'-0"

GENERAL TECHNOLOGY NOTES:

1. COMMUNICATIONS OUTLETS ARE SHOWN FOR REFERENCE PURPOSES. EXACT LOCATIONS WILL BE AS SHOWN ON ELECTRICAL DRAWINGS. COORDINATE INSTALLATION OF ALL CABLING WITH ELECTRICAL SUBCONTRACTOR.
2. KEEP COMMUNICATIONS CABLING AT LEAST 12" AWAY FROM POWER WIRING.
3. ALL CONDUITS AND JUNCTION BOXES TO BE PROVIDED UNDER DIVISION 26XXXX. CONDUITS SHOWN ARE FOR REFERENCE ONLY.



1 FIRST FLOOR PLAN PART F - TECHNOLOGY
T1.1F SCALE: 1/8" = 1'-0"



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FIRST FLOOR PLAN PART F -
TECHNOLOGY
SCALE: As Indicated DRAWN BY: WJK CHECKED BY: DMP

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B	2016-09-01	Addendum B	B

T1.1F

JOB NUMBER 40114



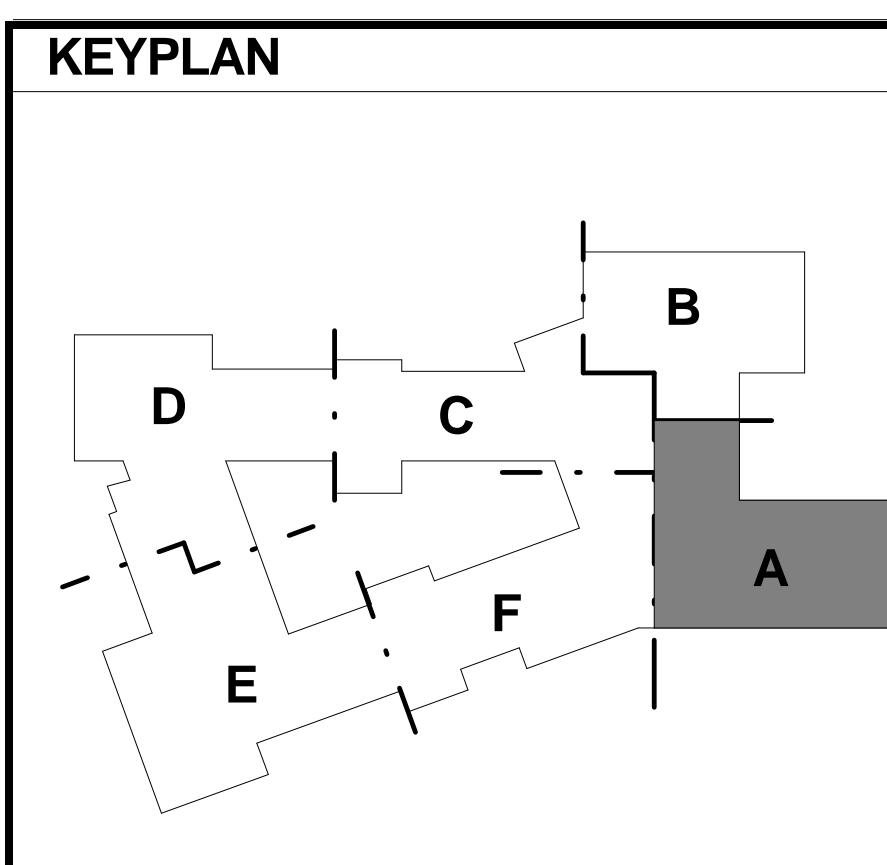
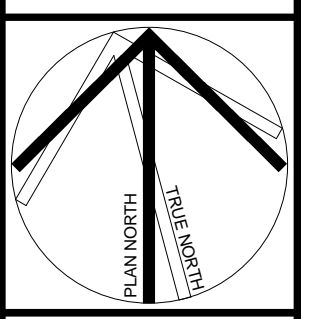
- GENERAL TECHNOLOGY NOTES:**
1. COMMUNICATIONS OUTLETS ARE SHOWN FOR REFERENCE PURPOSES. EXACT LOCATIONS WILL BE AS SHOWN ON ELECTRICAL DRAWINGS. COORDINATE INSTALLATION OF ALL CABLING WITH ELECTRICAL SUBCONTRACTOR.
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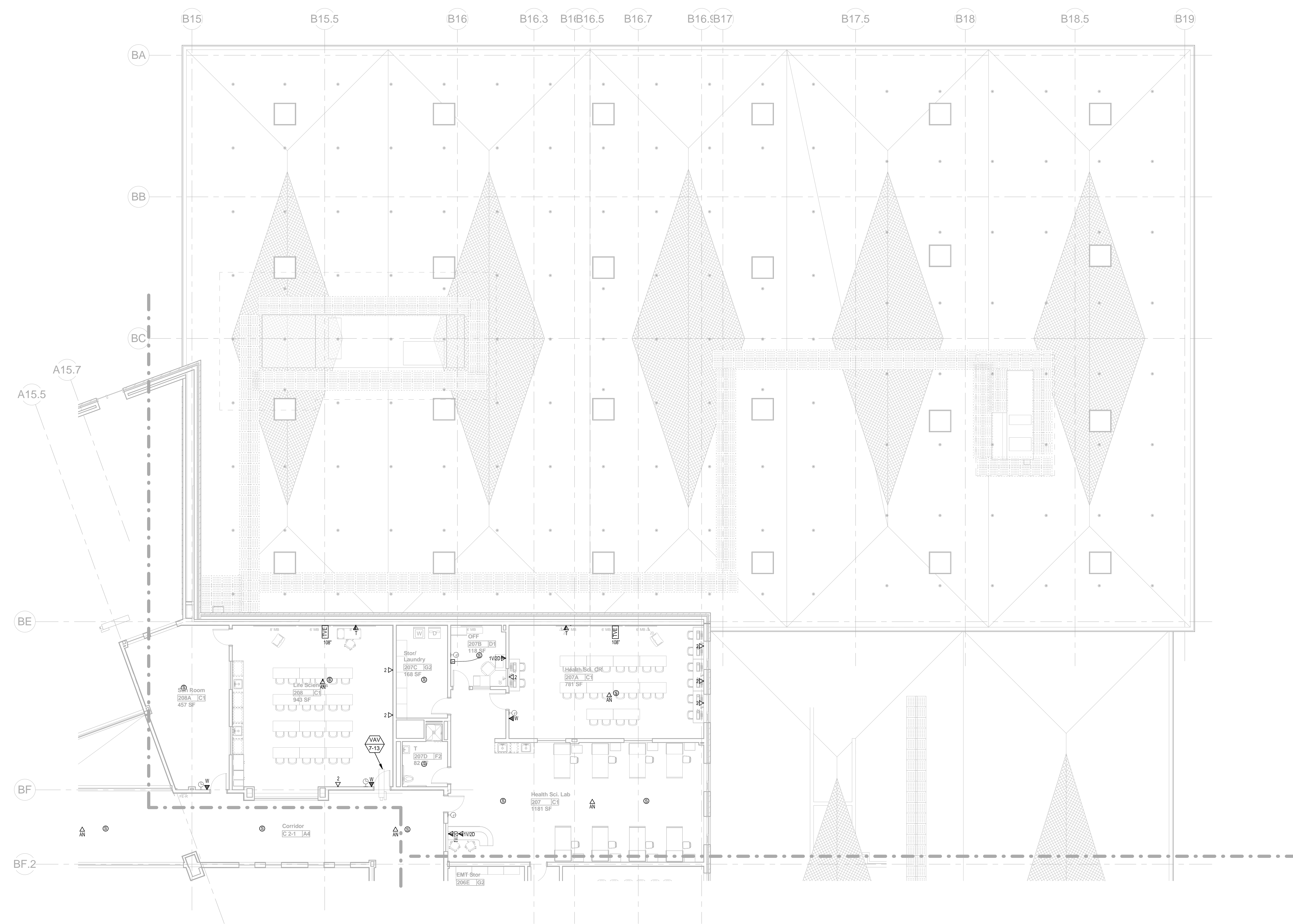
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SECOND FLOOR PLAN PART A - TECHNOLOGY
 SCALE: As Indicated DRAWN BY: WJK CHECKED BY: DMP

1 SECOND FLOOR PLAN PART A - TECHNOLOGY
T1.2A SCALE: 1/8" = 1'-0"

REVISIONS NO.	DATE	REMARKS	BY

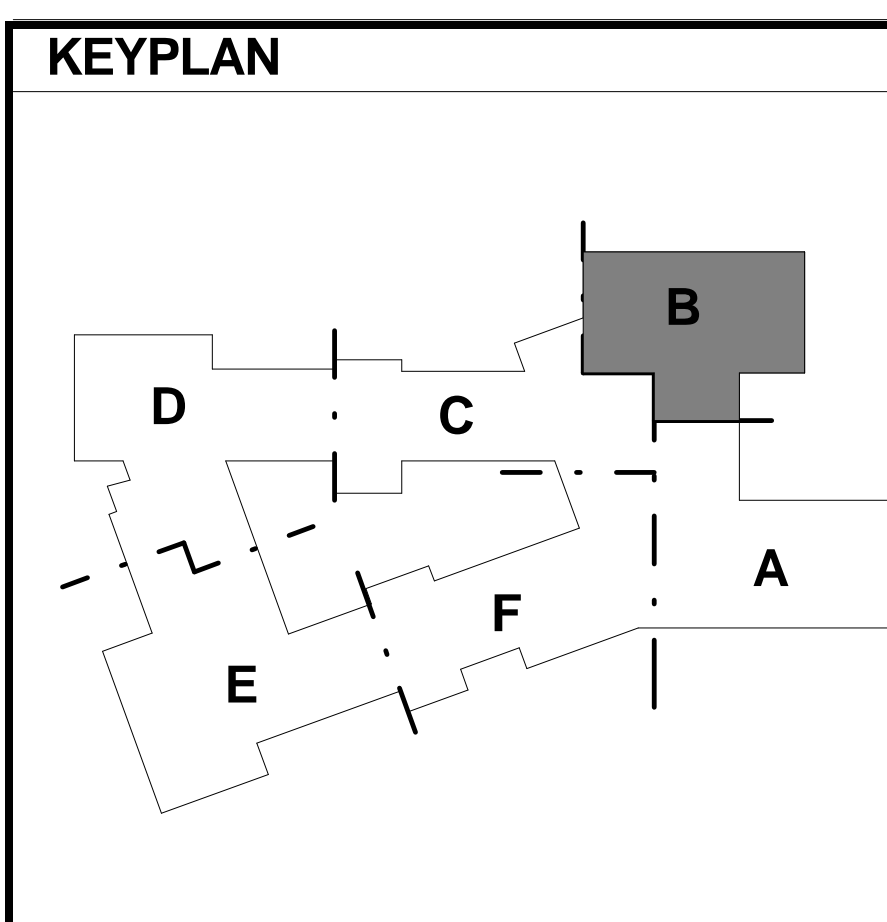
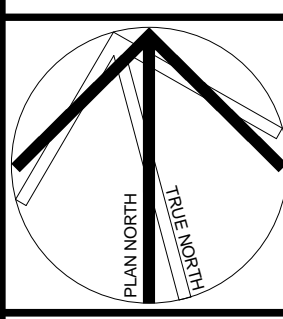
T1.2A
 JOB NUMBER 40114

- GENERAL TECHNOLOGY NOTES:**
1. COMMUNICATIONS OUTLETS ARE SHOWN FOR REFERENCE PURPOSES. EXACT LOCATIONS WILL BE AS SHOWN ON ELECTRICAL DRAWINGS. COORDINATE INSTALLATION OF ALL CABLING WITH ELECTRICAL SUBCONTRACTOR.
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1 SECOND FLOOR PLAN PART B - TECHNOLOGY
T1.2B SCALE: 1/8" = 1'-0"

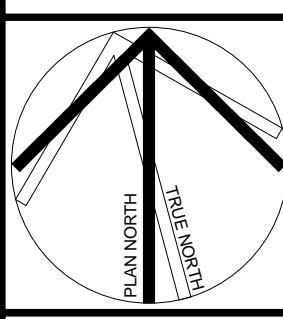
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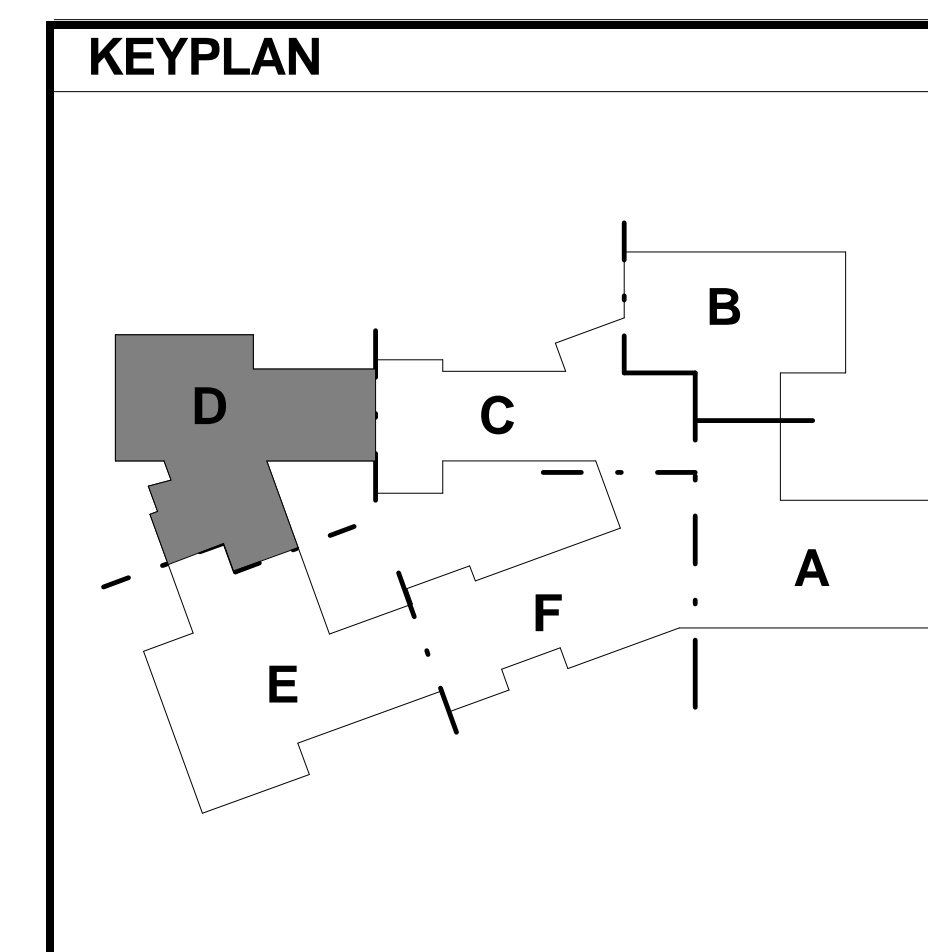
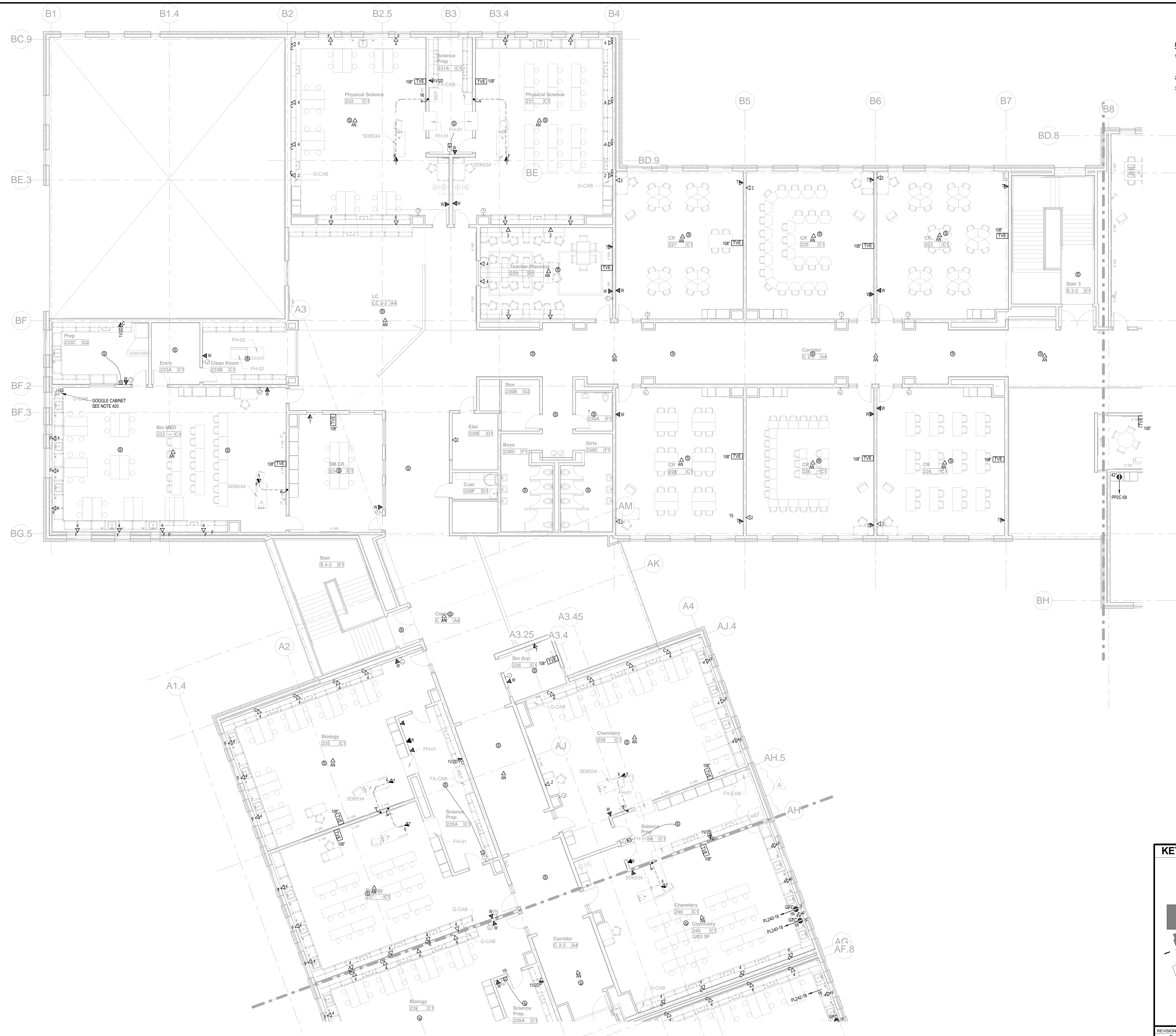
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SECOND FLOOR PLAN PART B - TECHNOLOGY
SCALE: As Indicated DRAWN BY: WJK CHECKED BY: DMP

REVISIONS NO.	DATE	REMARKS	BY
B	2016-09-01	Addendum B	B

T1.2B
JOB NUMBER 40114



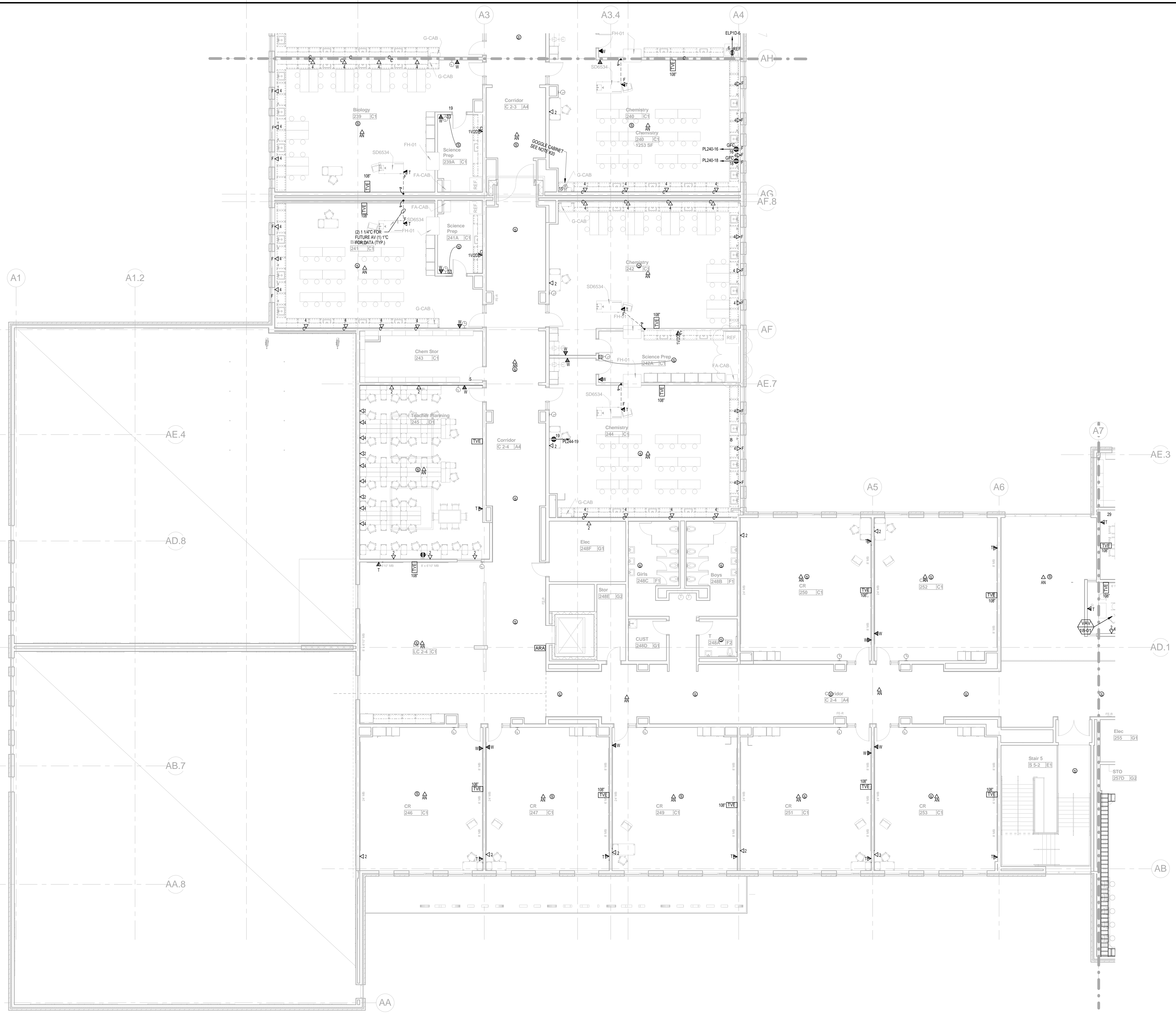
- GENERAL TECHNOLOGY NOTES:**
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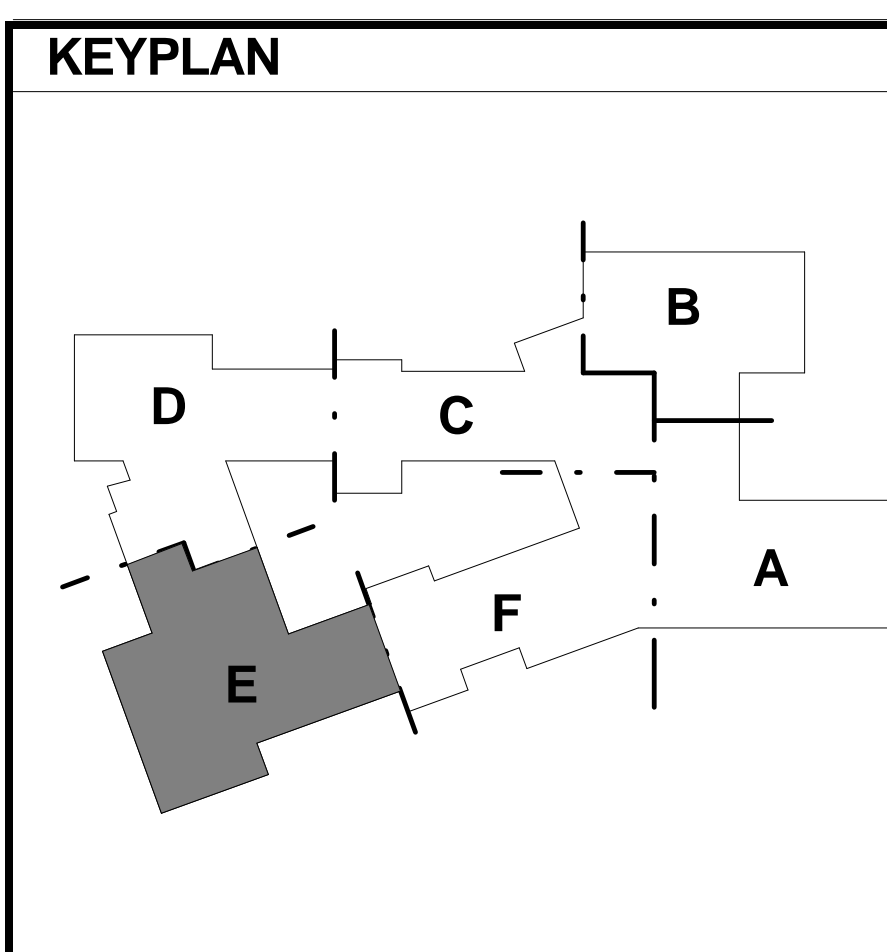
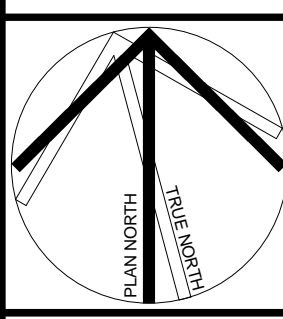
1 SECOND FLOOR PLAN PART D - TECHNOLOGY
T1.2D SCALE: 1/8" = 1'-0"

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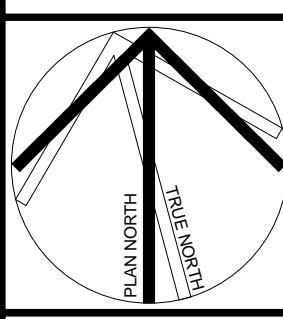


REVISIONS NO.	DATE	REMARKS	BY
B	2016-09-01	Addendum B	B

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SECOND FLOOR PLAN PART E - TECHNOLOGY
SCALE: As Indicated DRAWN BY: WJK CHECKED BY: DMP

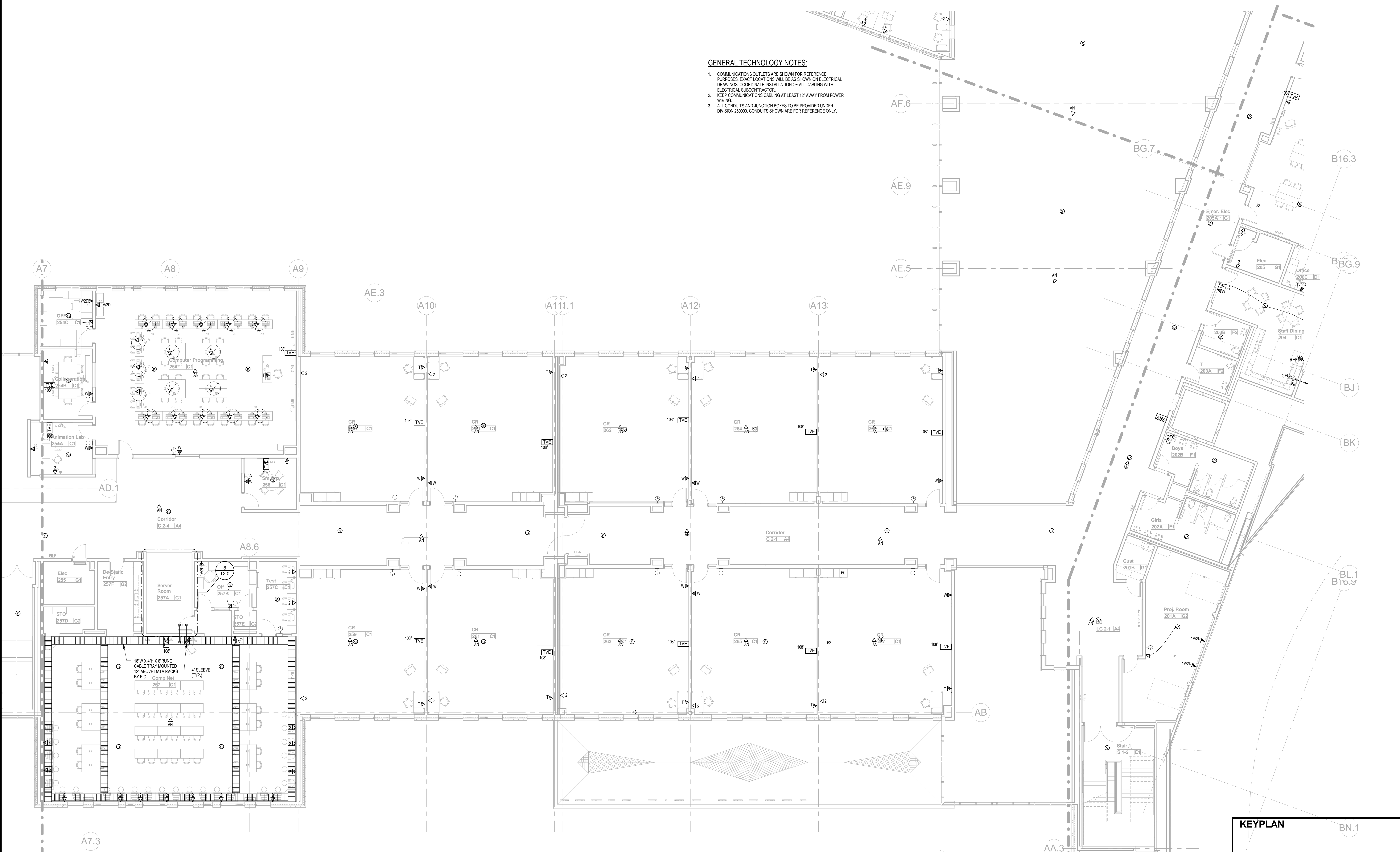
T1.2E
JOB NUMBER 40114

1 SECOND FLOOR PLAN PART E - TECHNOLOGY
T1.2E SCALE: 1/8" = 1'-0"



GENERAL TECHNOLOGY NOTES:

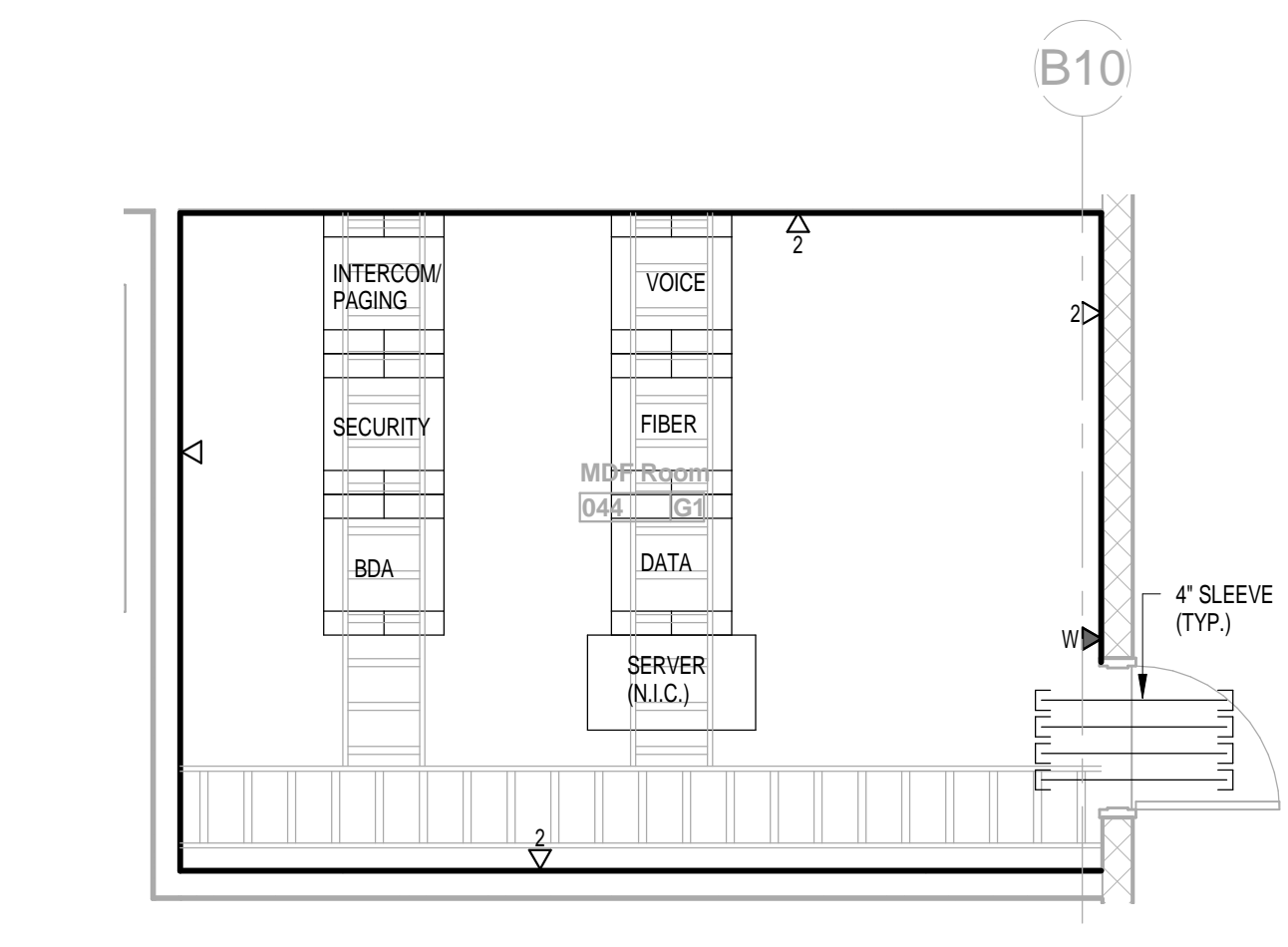
1. COMMUNICATIONS OUTLETS ARE SHOWN FOR REFERENCE PURPOSES. EXACT LOCATIONS WILL BE AS SHOWN ON ELECTRICAL DRAWINGS. COORDINATE INSTALLATION OF ALL CABLING WITH ELECTRICAL SUBCONTRACTOR.
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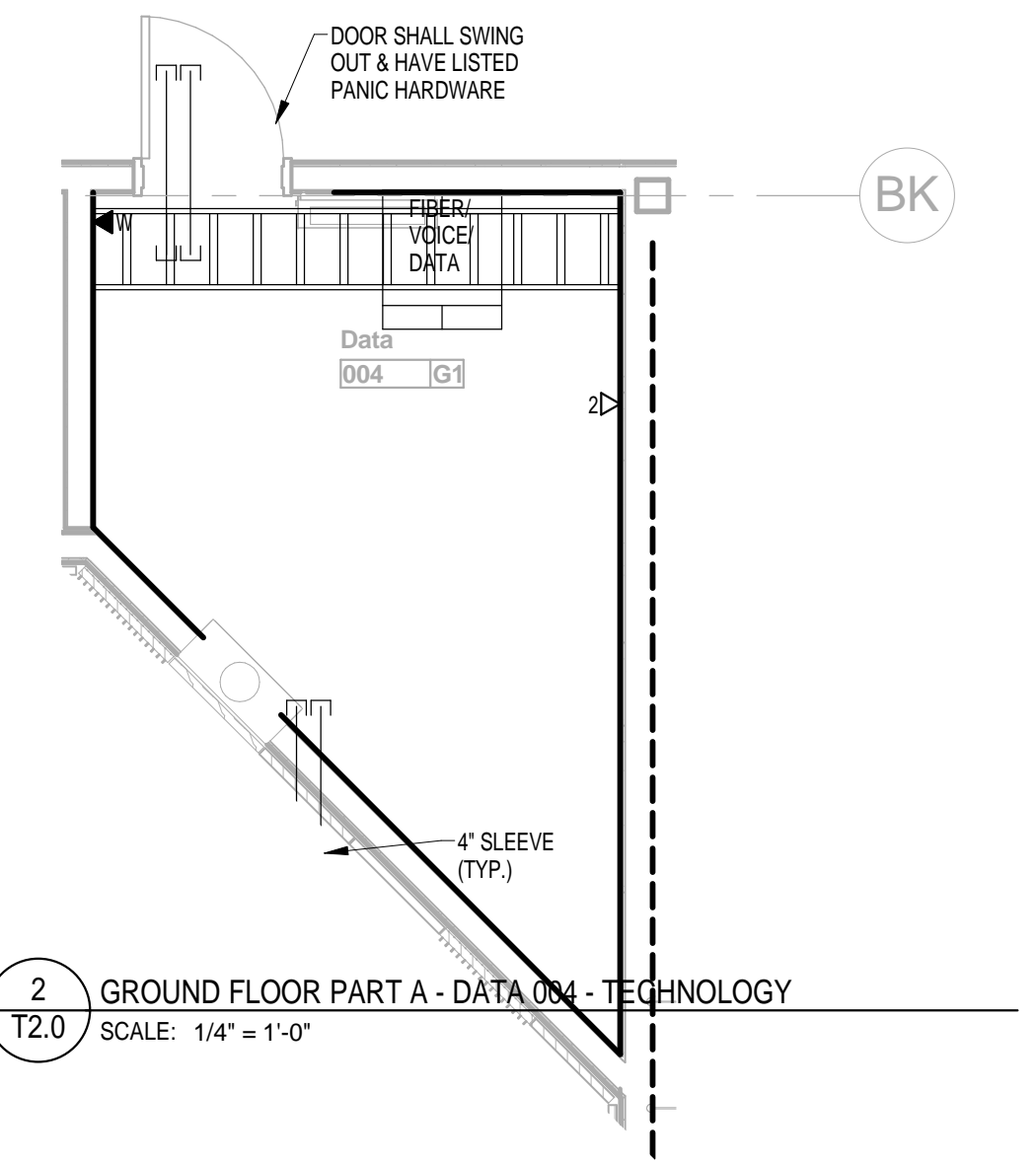
1 SECOND FLOOR PLAN PART F - TECHNOLOGY
SCALE: 1/8" = 1'-0"

KEYPLAN

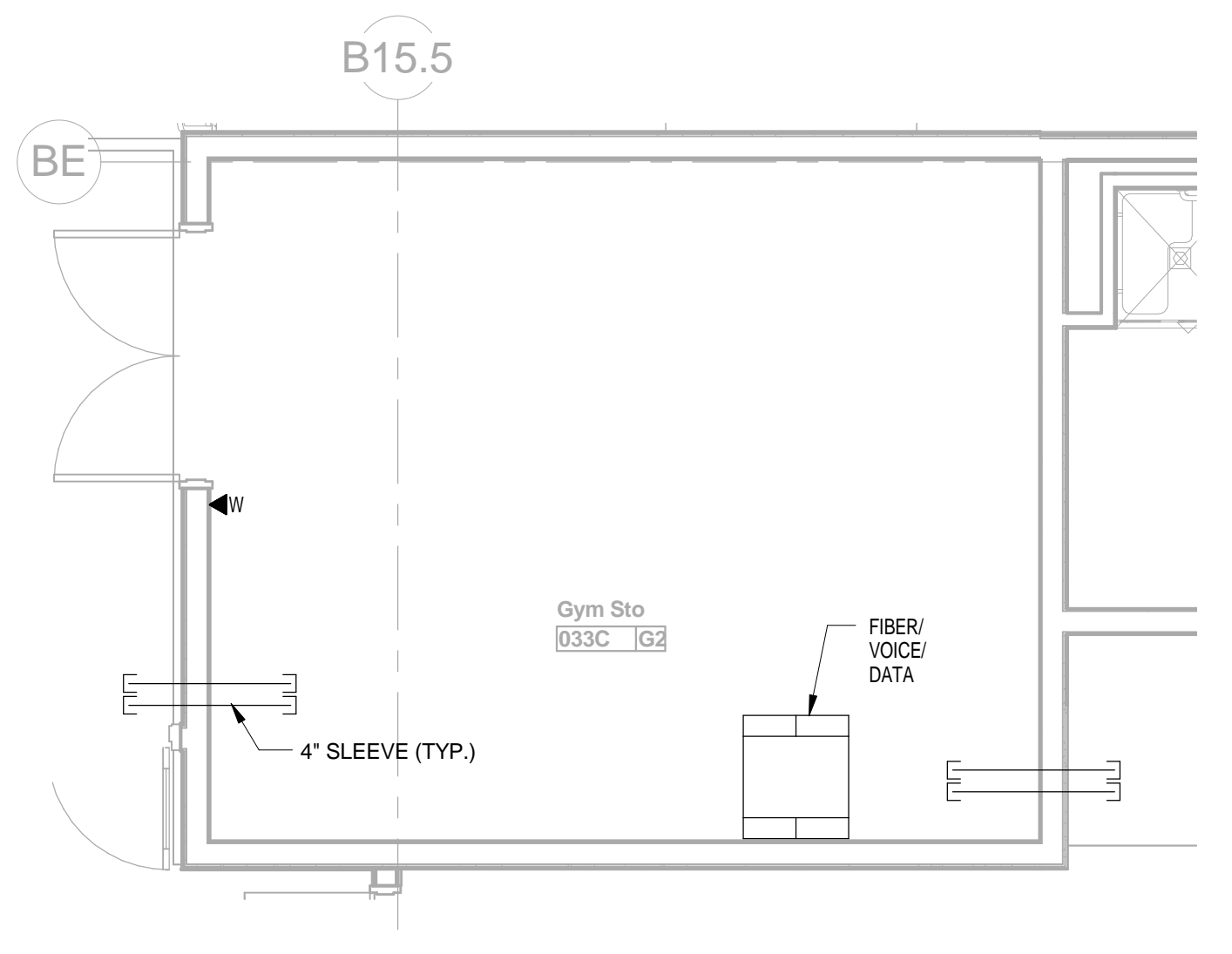
REVISIONS NO.	DATE	REMARKS	BY



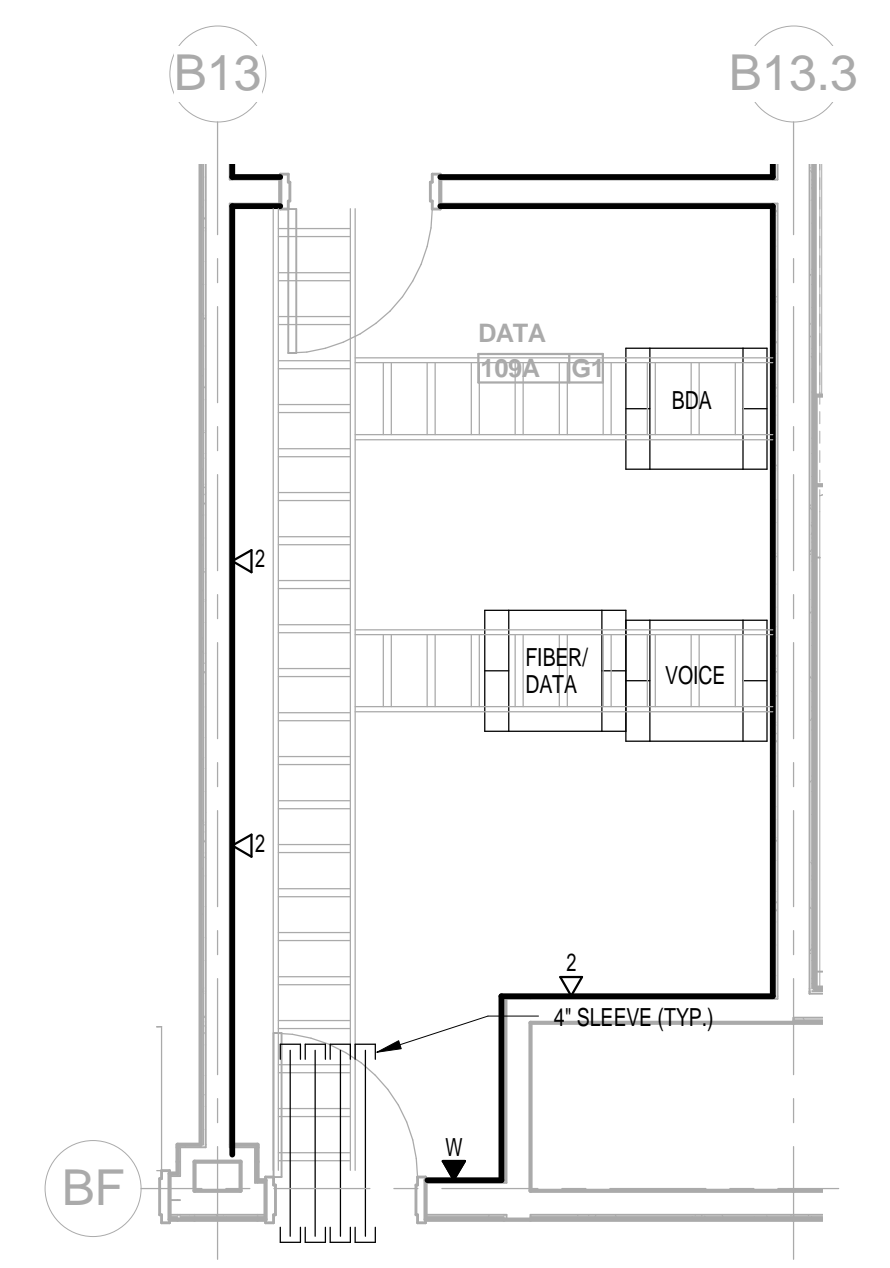
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T2.0 SCALE: 1/4" = 1'-0"



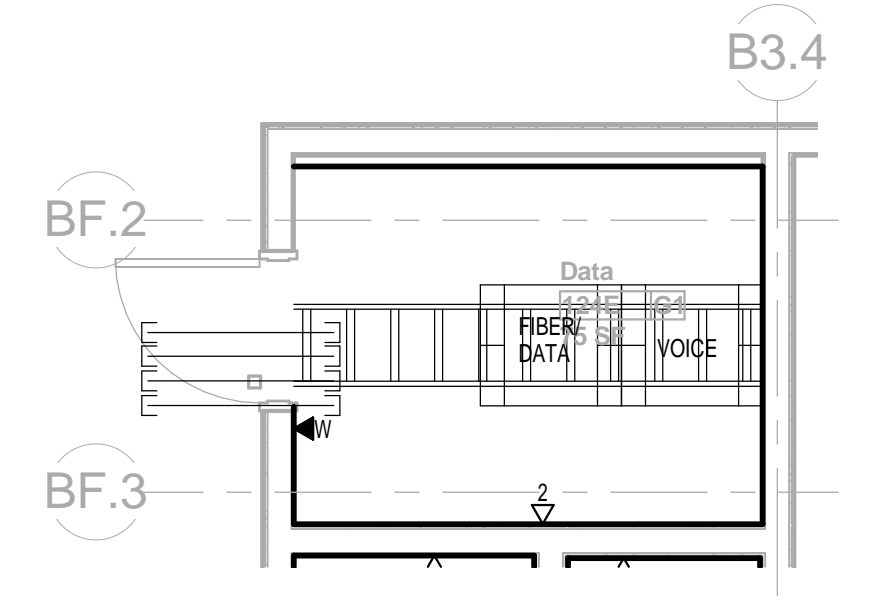
2 GROUND FLOOR PART A - DATA 004 - TECHNOLOGY
T2.0 SCALE: 1/4" = 1'-0"



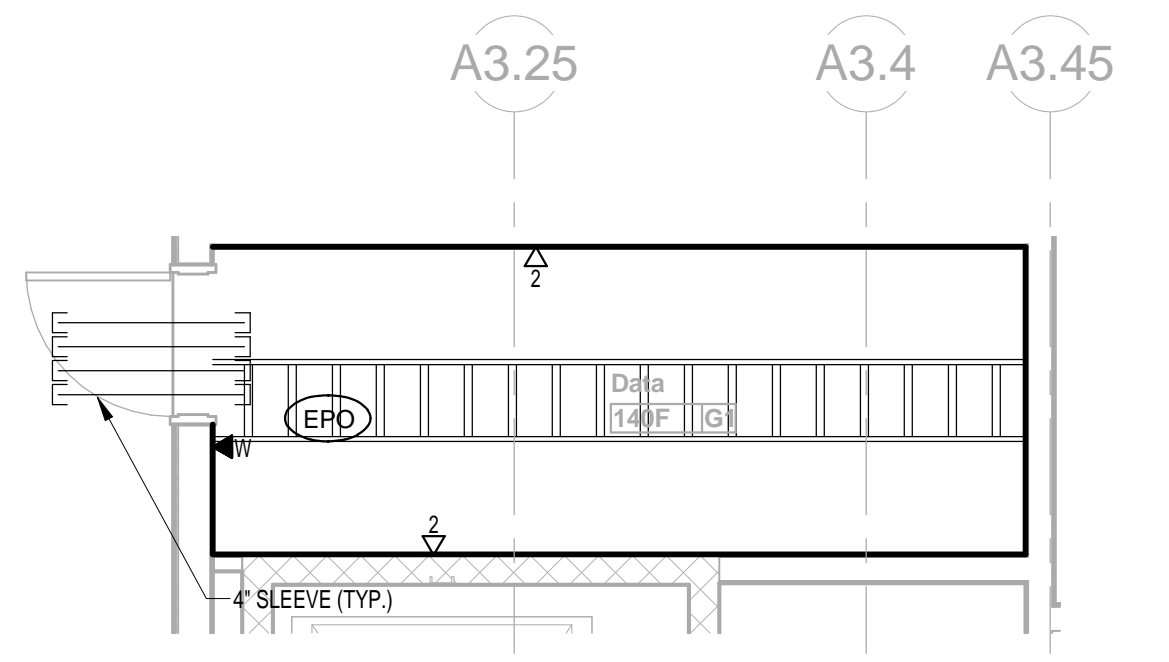
3 GROUND FLOOR PART B - GYM STO 033C(IDF) - TECHNOLOGY
T2.0 SCALE: 1/4" = 1'-0"



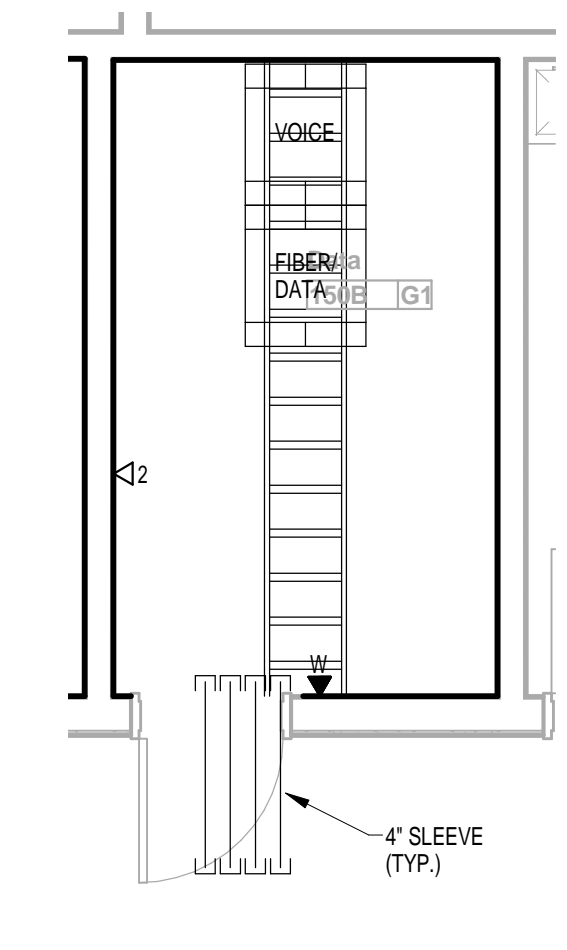
4 FIRST FLOOR PART C - DATA -109A - TECHNOLOGY
T2.0 SCALE: 1/4" = 1'-0"



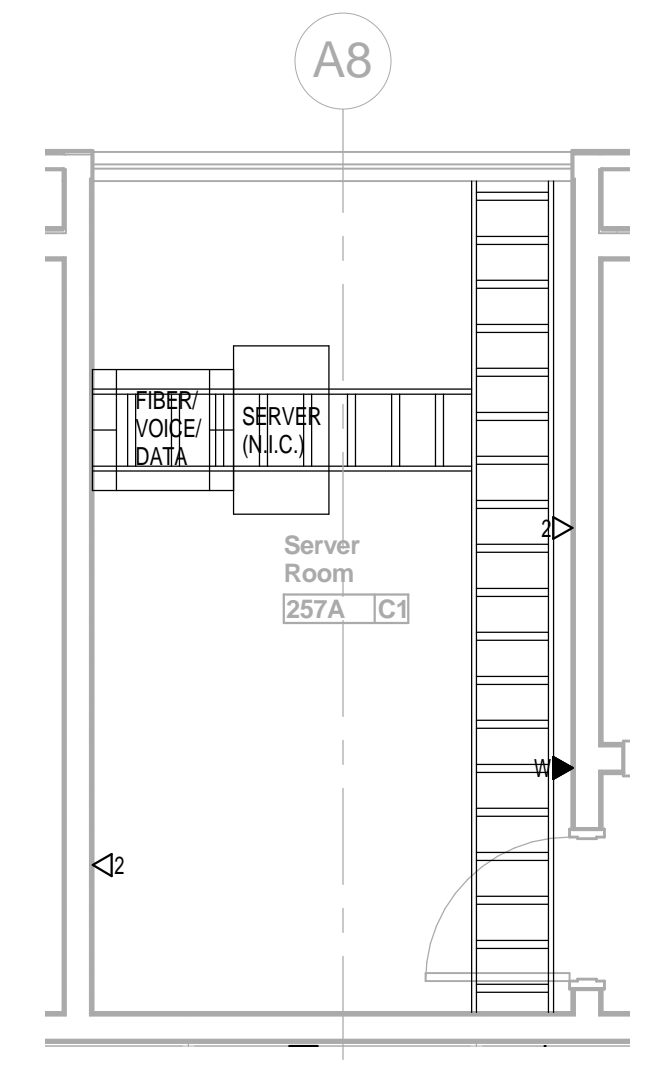
5 FIRST FLOOR PART D - DATA 124E - TECHNOLOGY
T2.0 SCALE: 1/4" = 1'-0"



6 FIRST FLOOR PART E - DATA 140F - TECHNOLOGY
T2.0 SCALE: 1/4" = 1'-0"

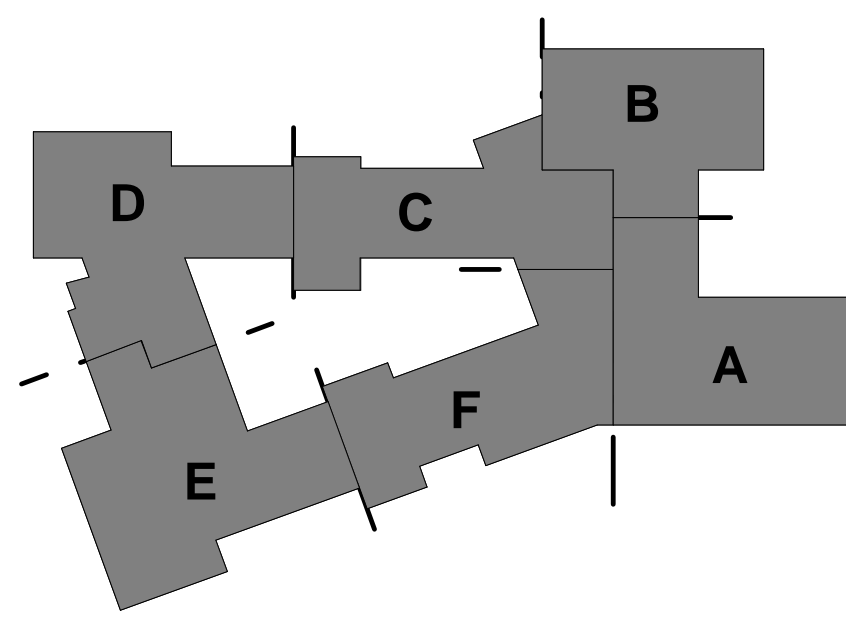


7 FIRST FLOOR PART F - DATA 150B - TECHNOLOGY
T2.0 SCALE: 1/4" = 1'-0"



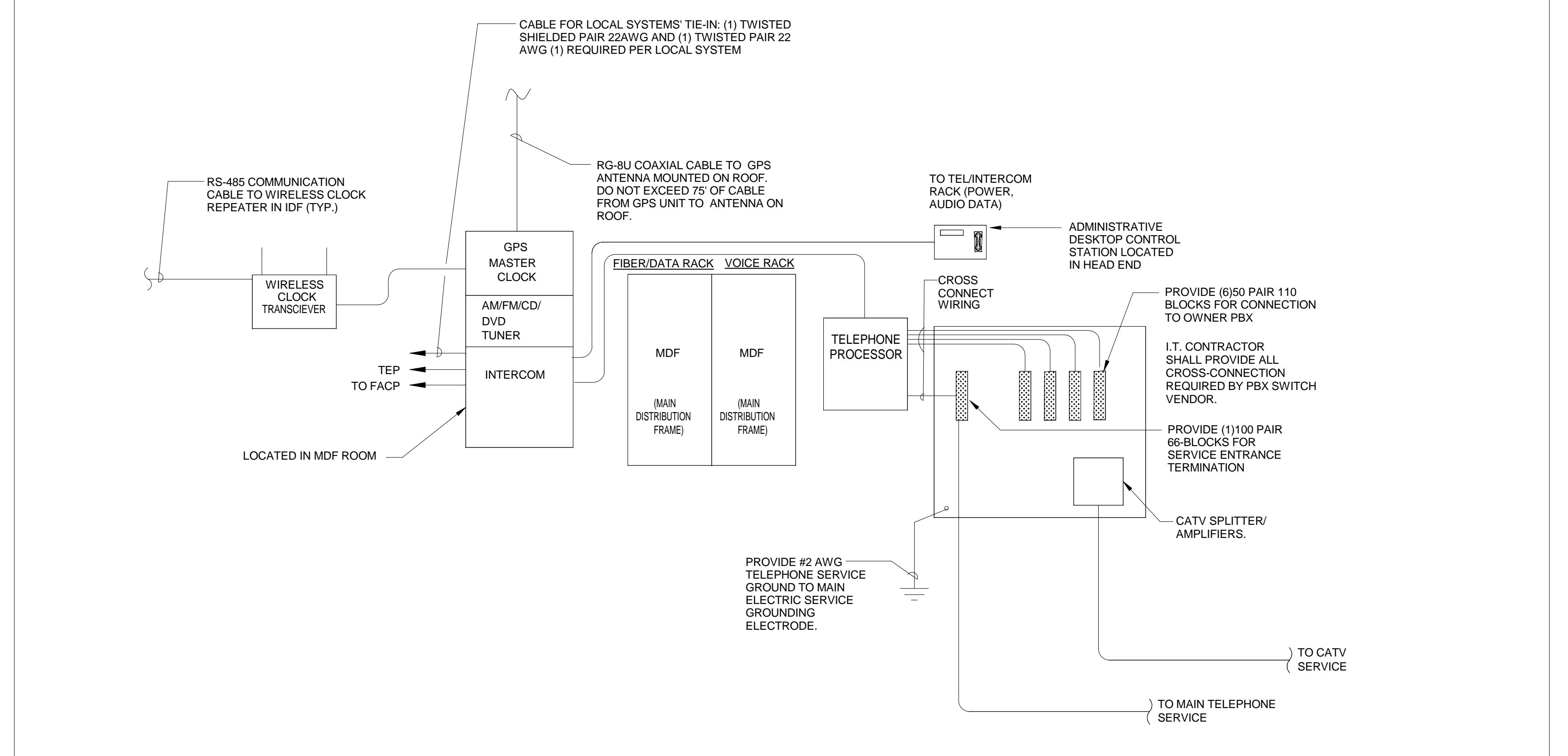
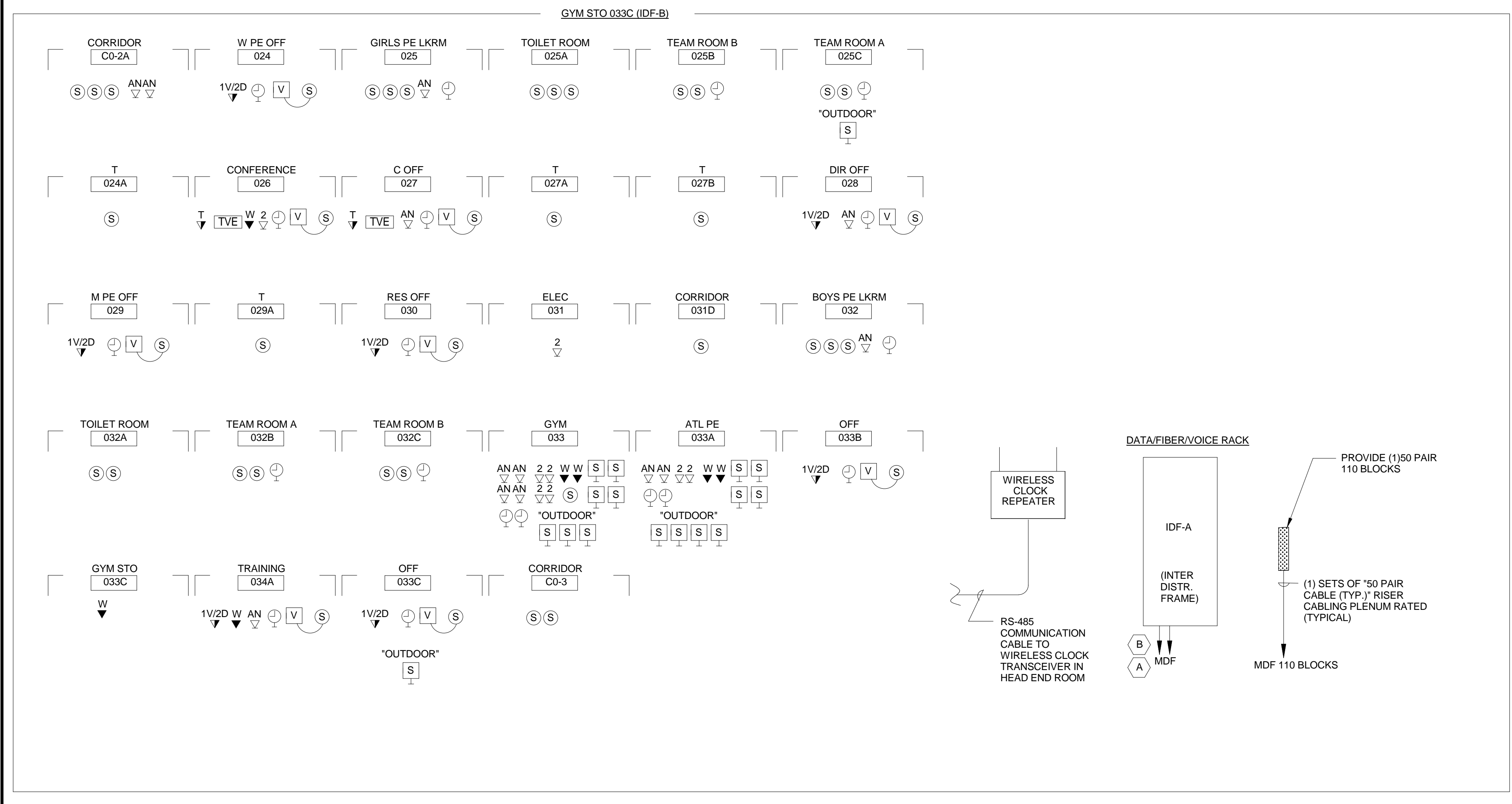
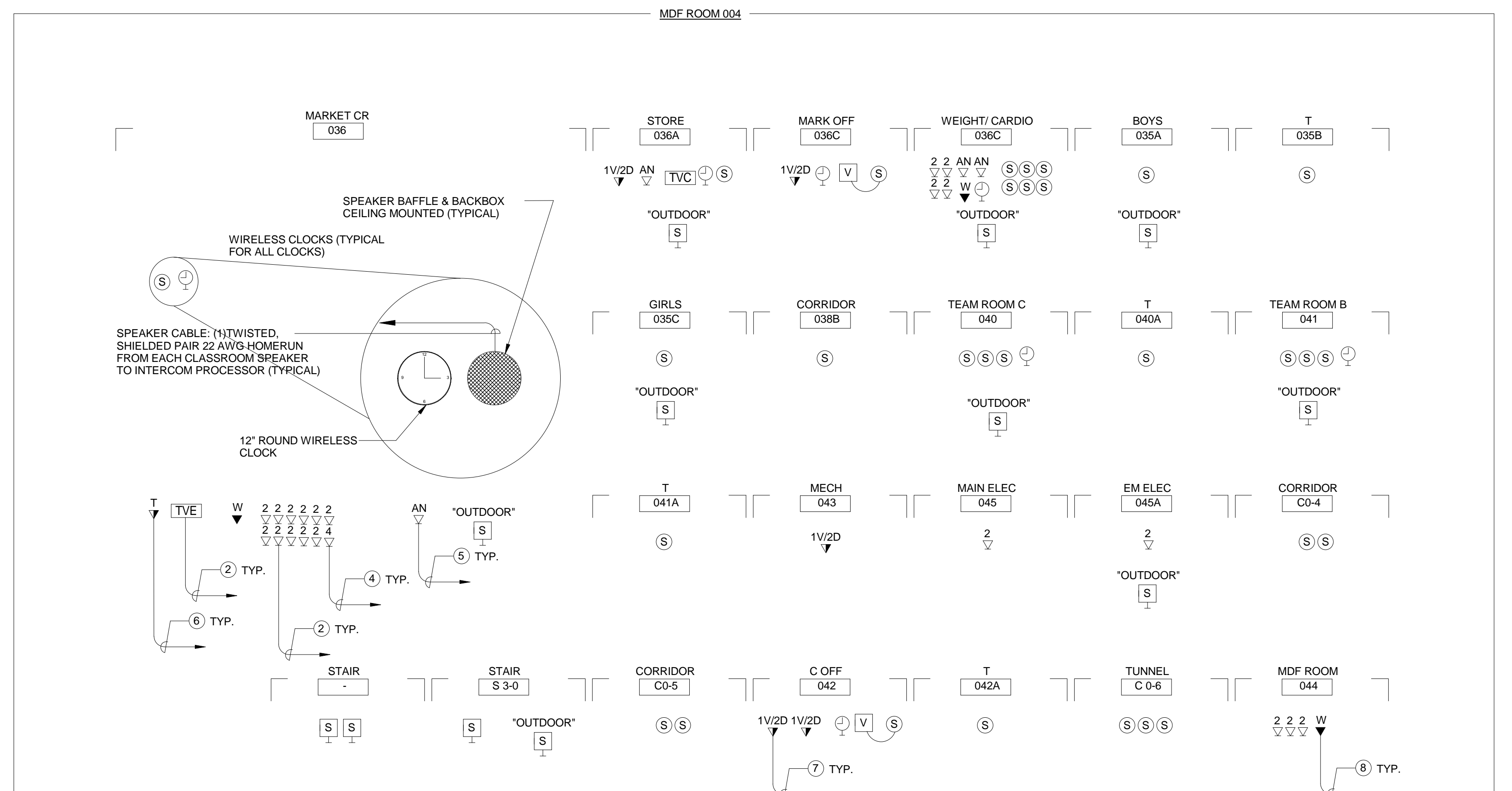
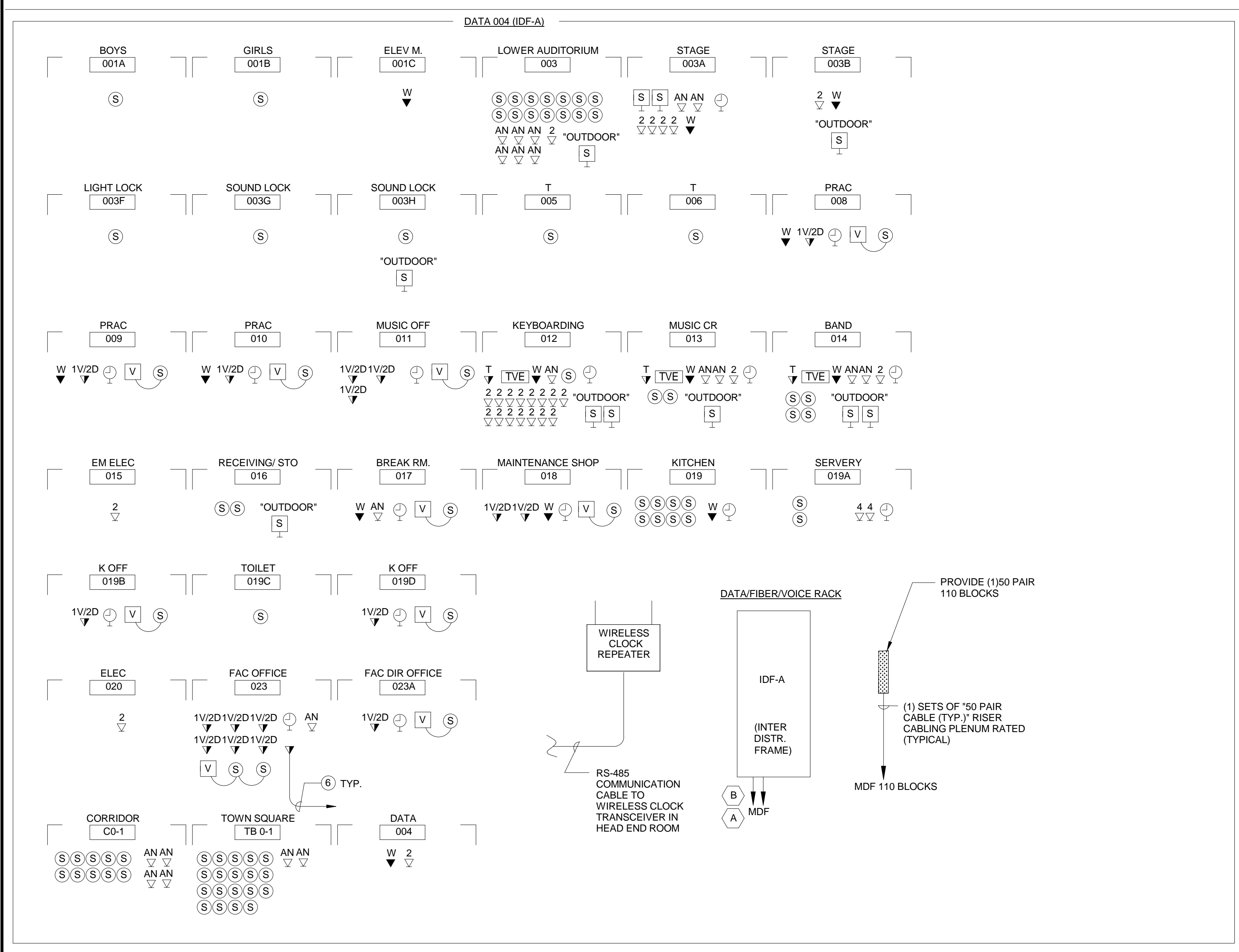
8 SECOND FLOOR PART F - SERVER ROOM 257A - TECHNOLOGY
T2.0 SCALE: 1/4" = 1'-0"

KEYPLAN



REVISIONS NO.	DATE	REMARKS	BY
A	2016-08-23	Addendum A	A

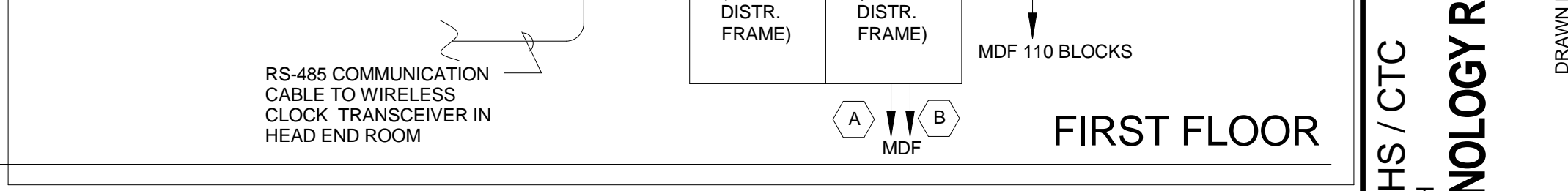
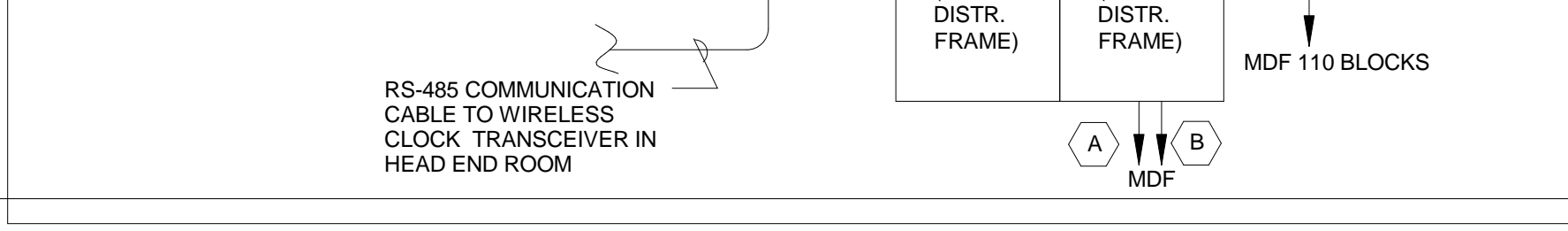
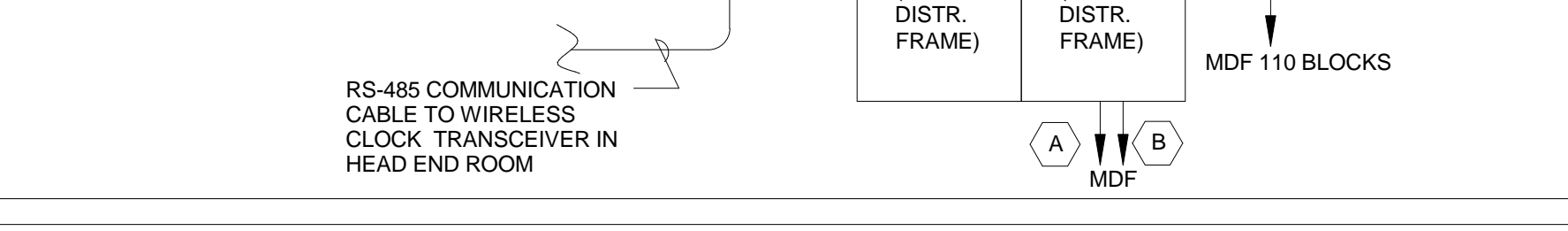
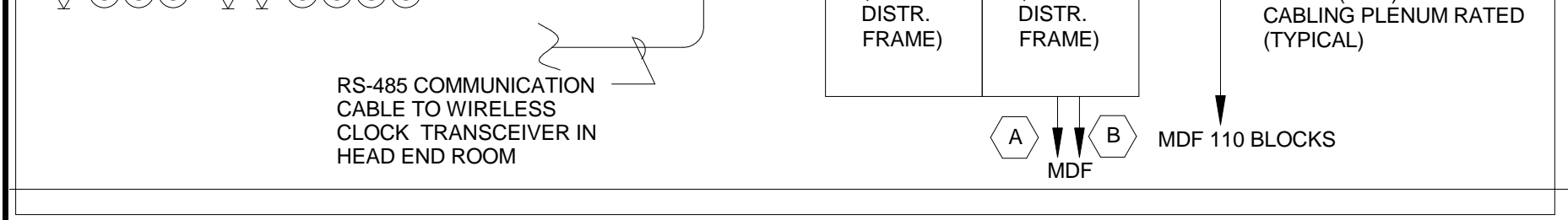
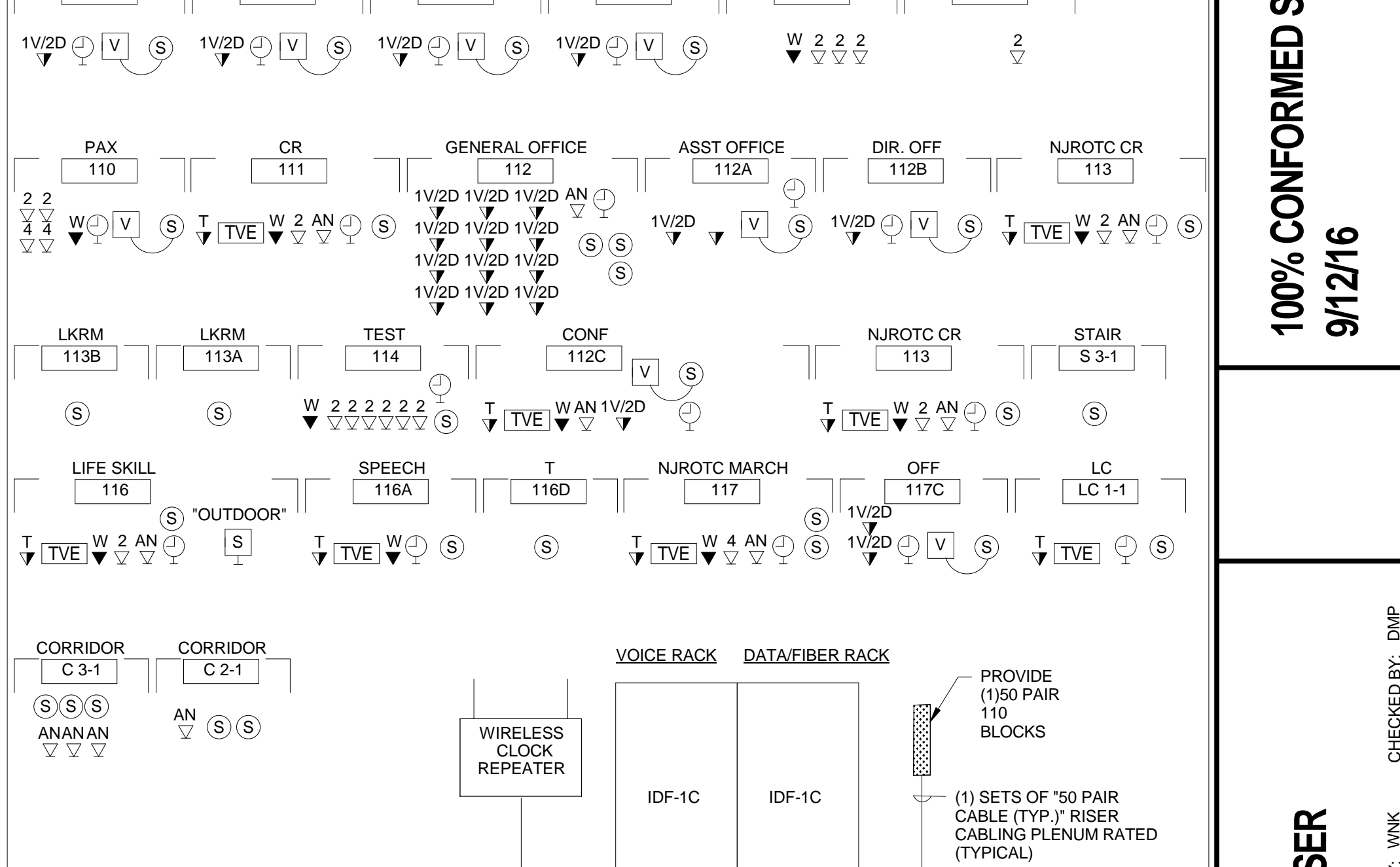
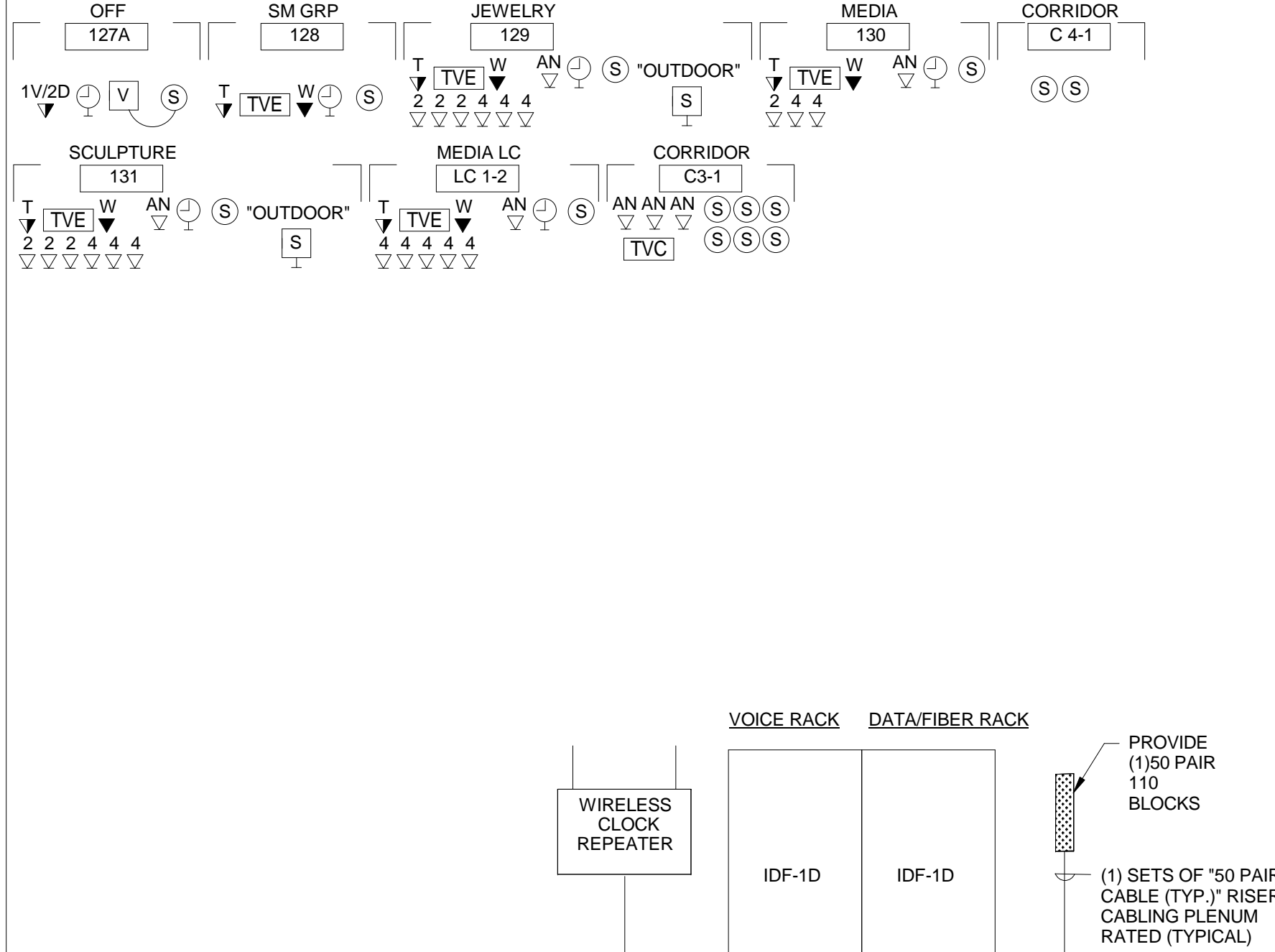
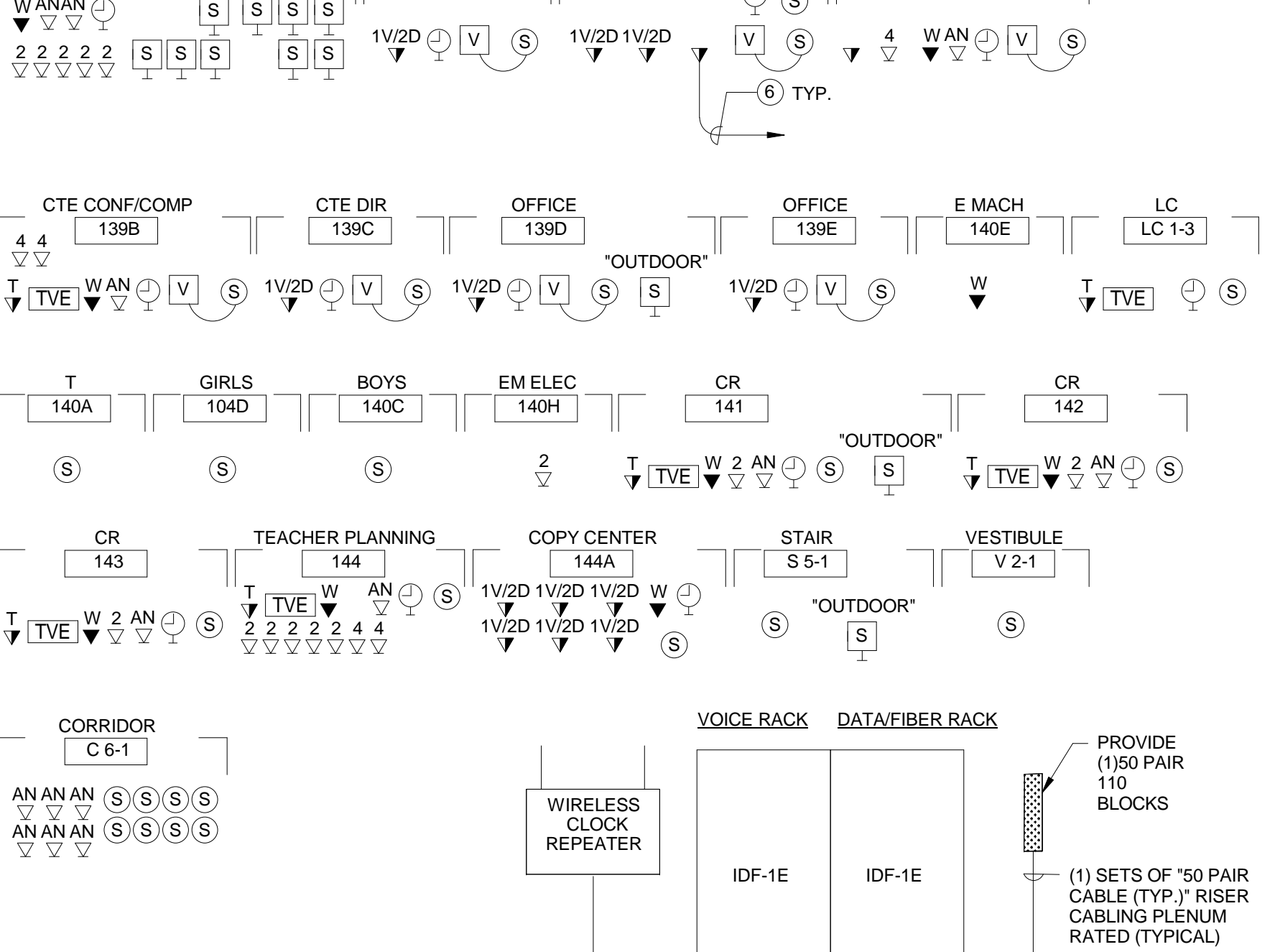
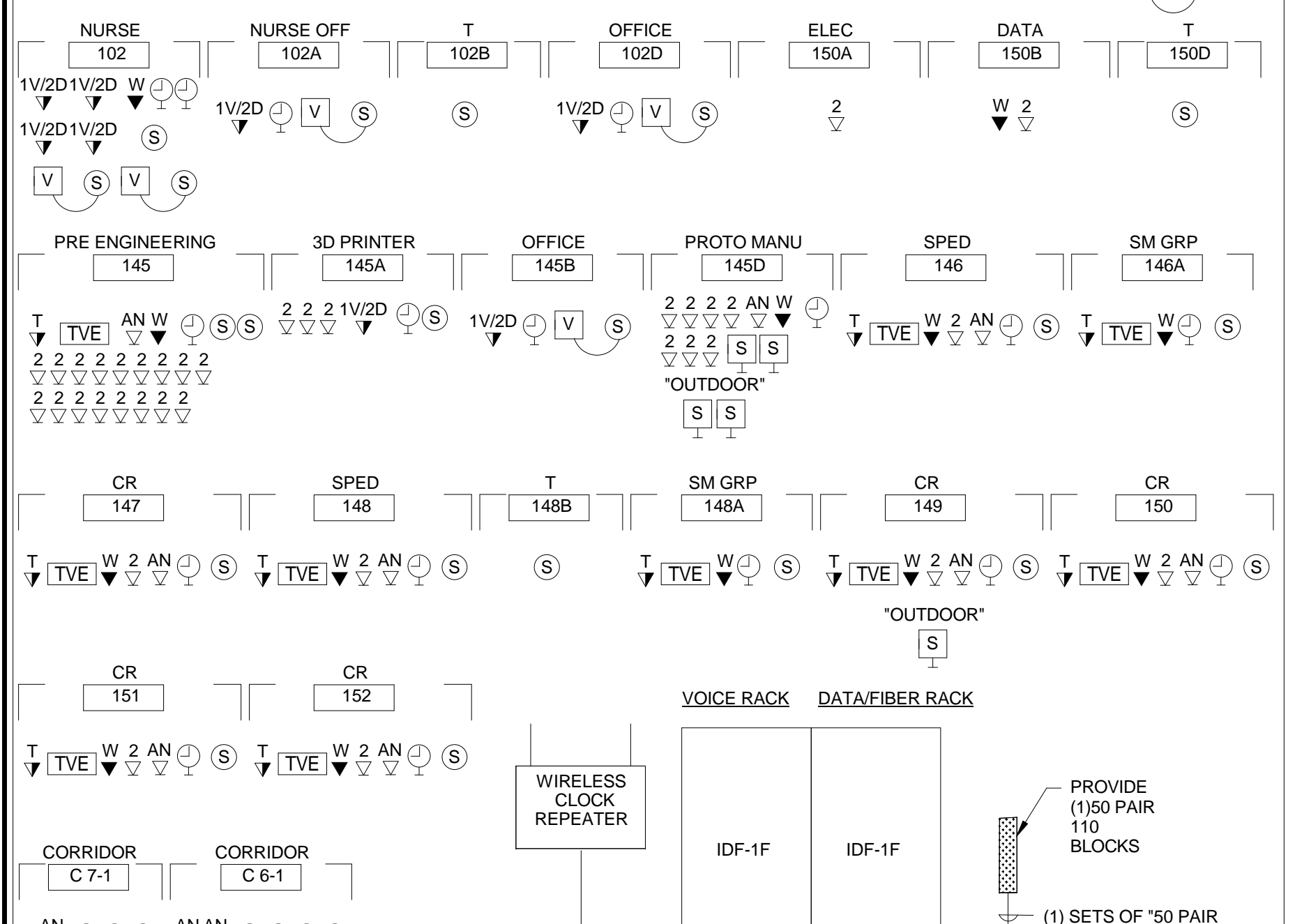
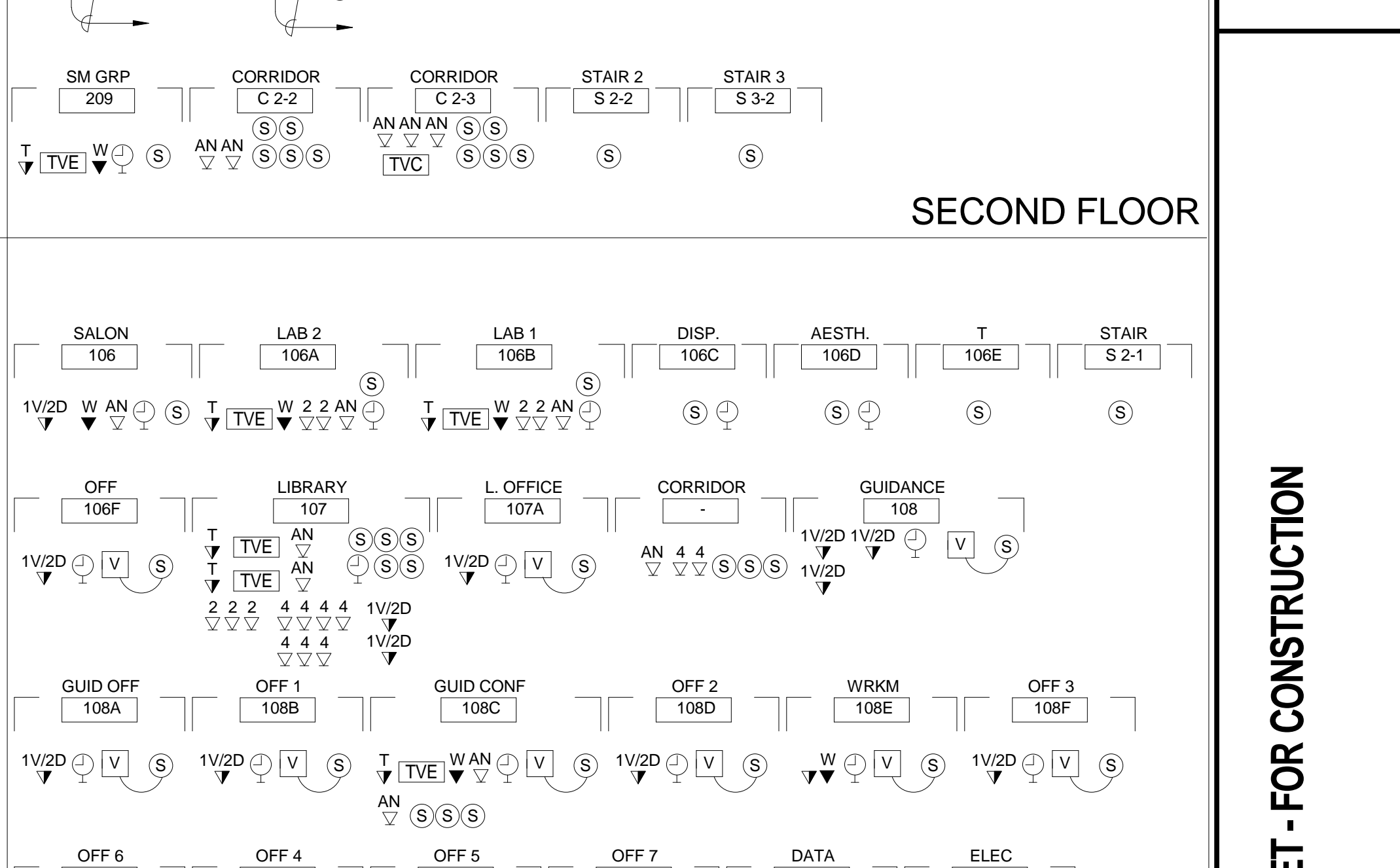
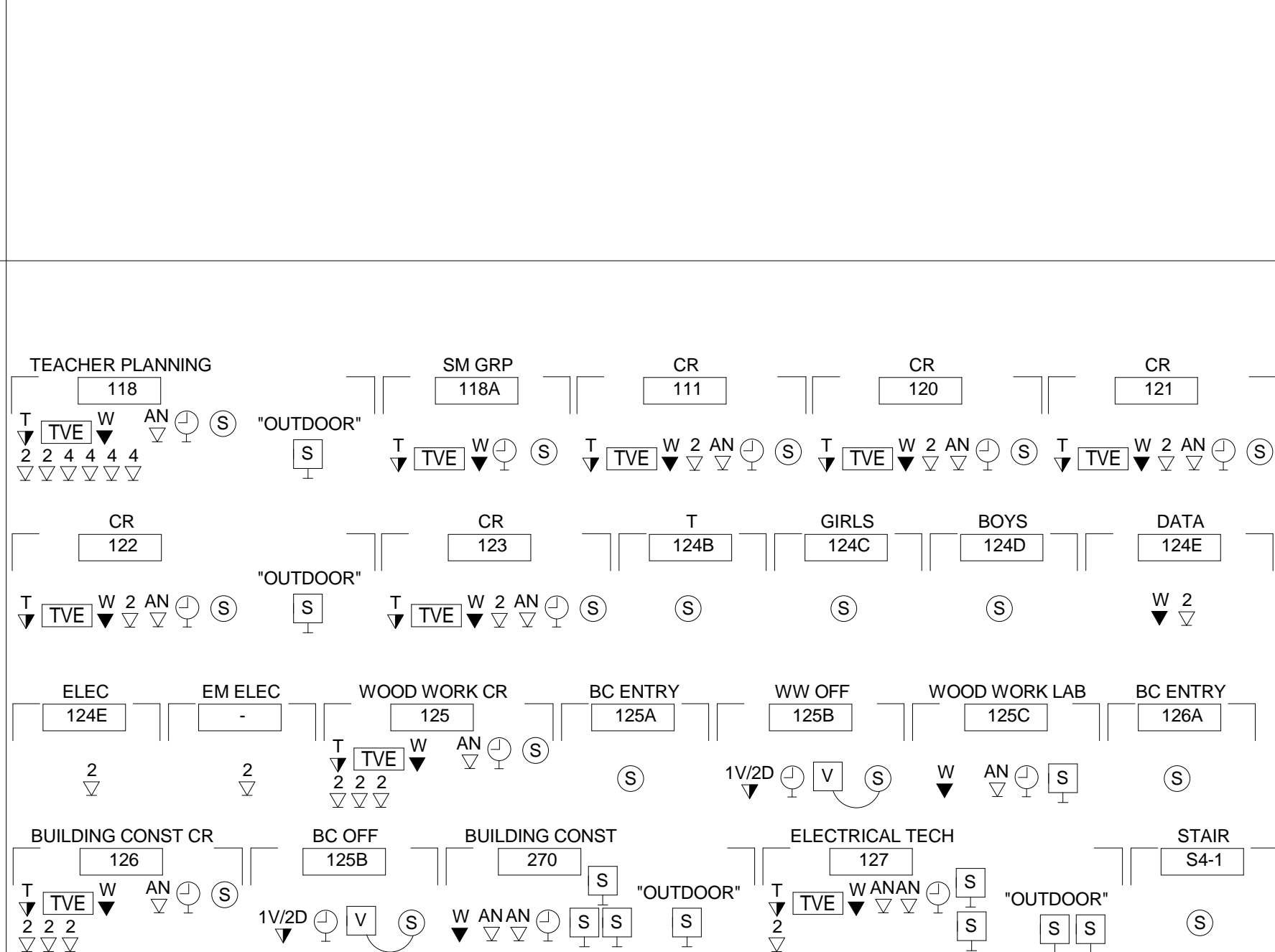
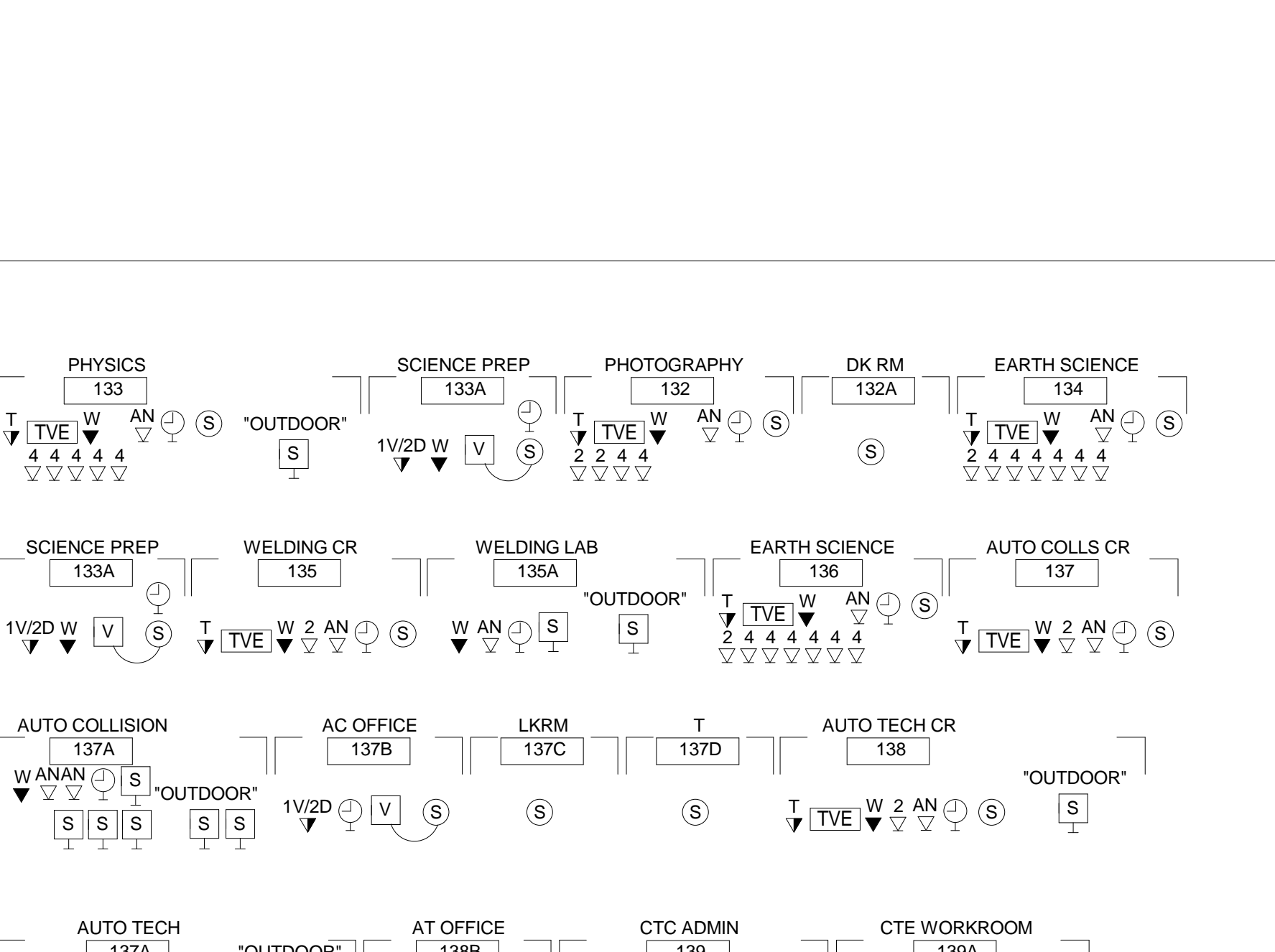
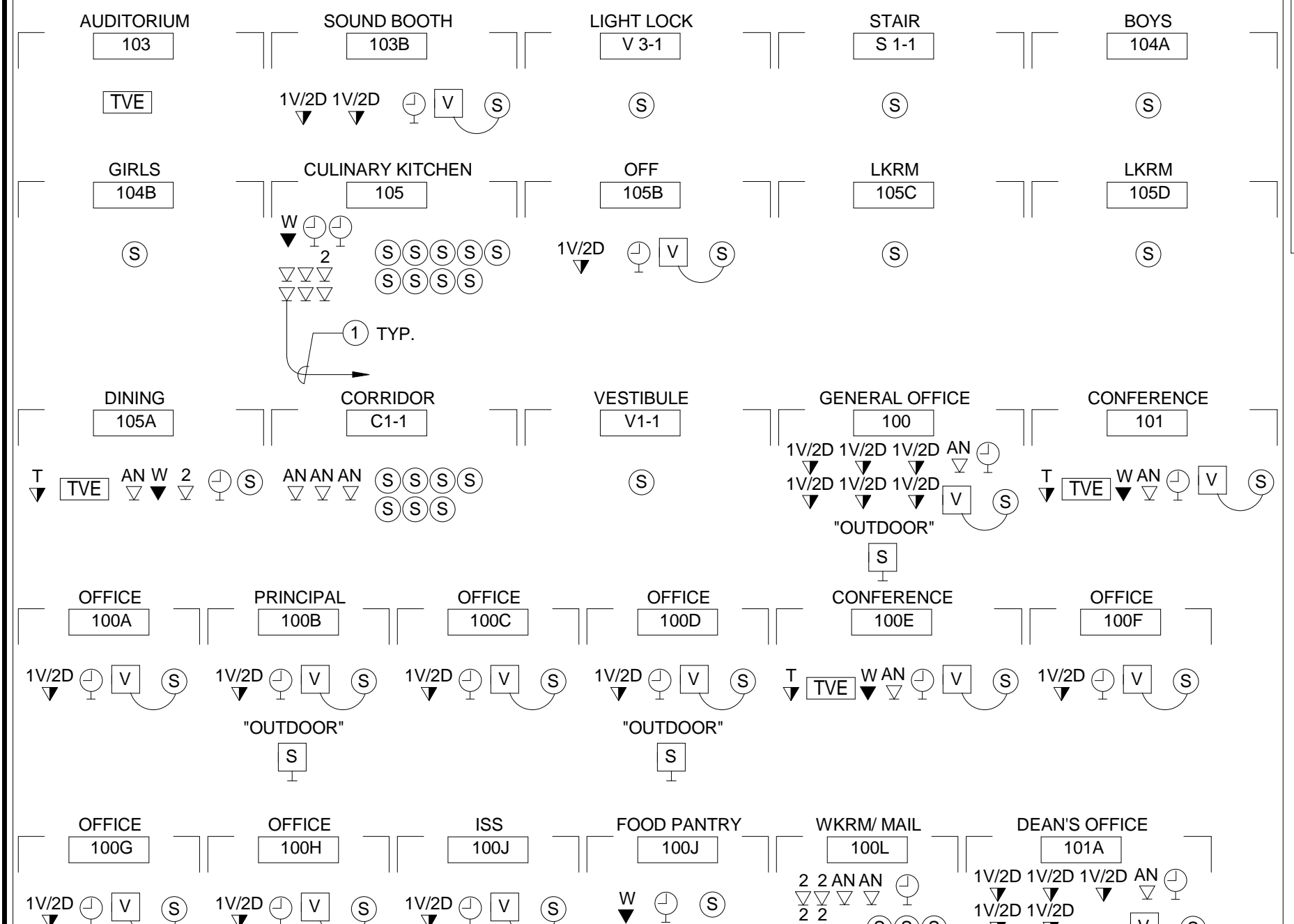
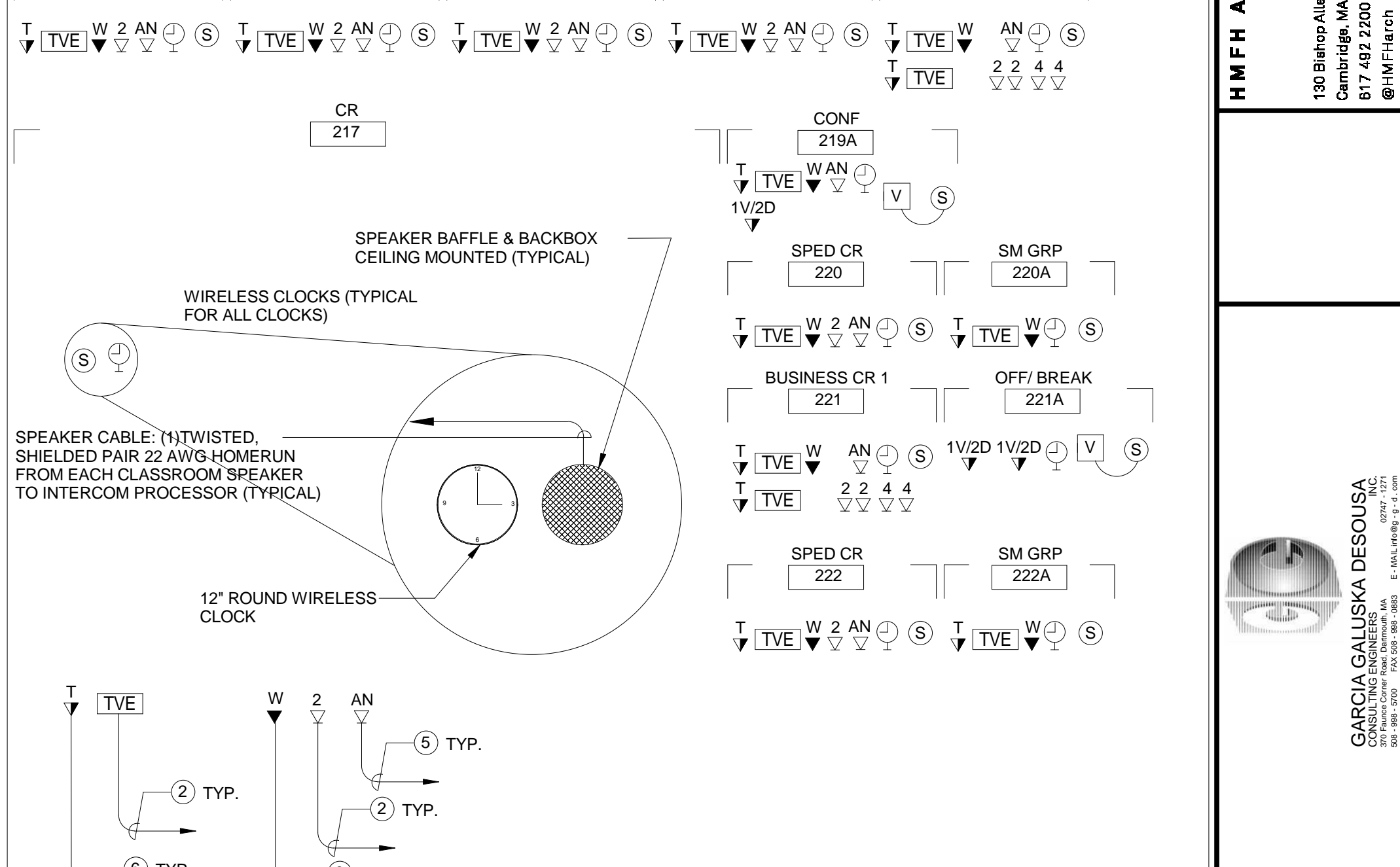
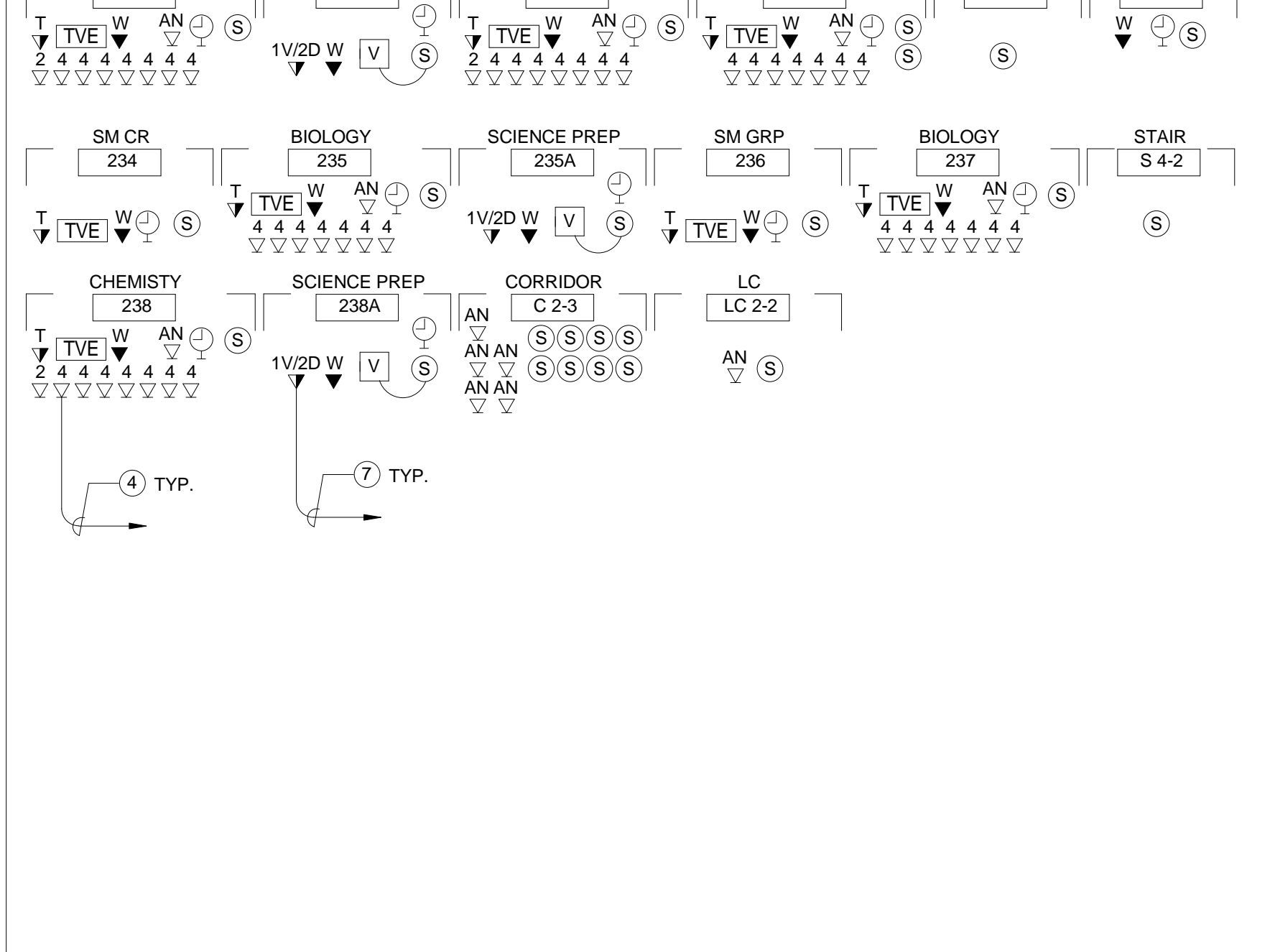
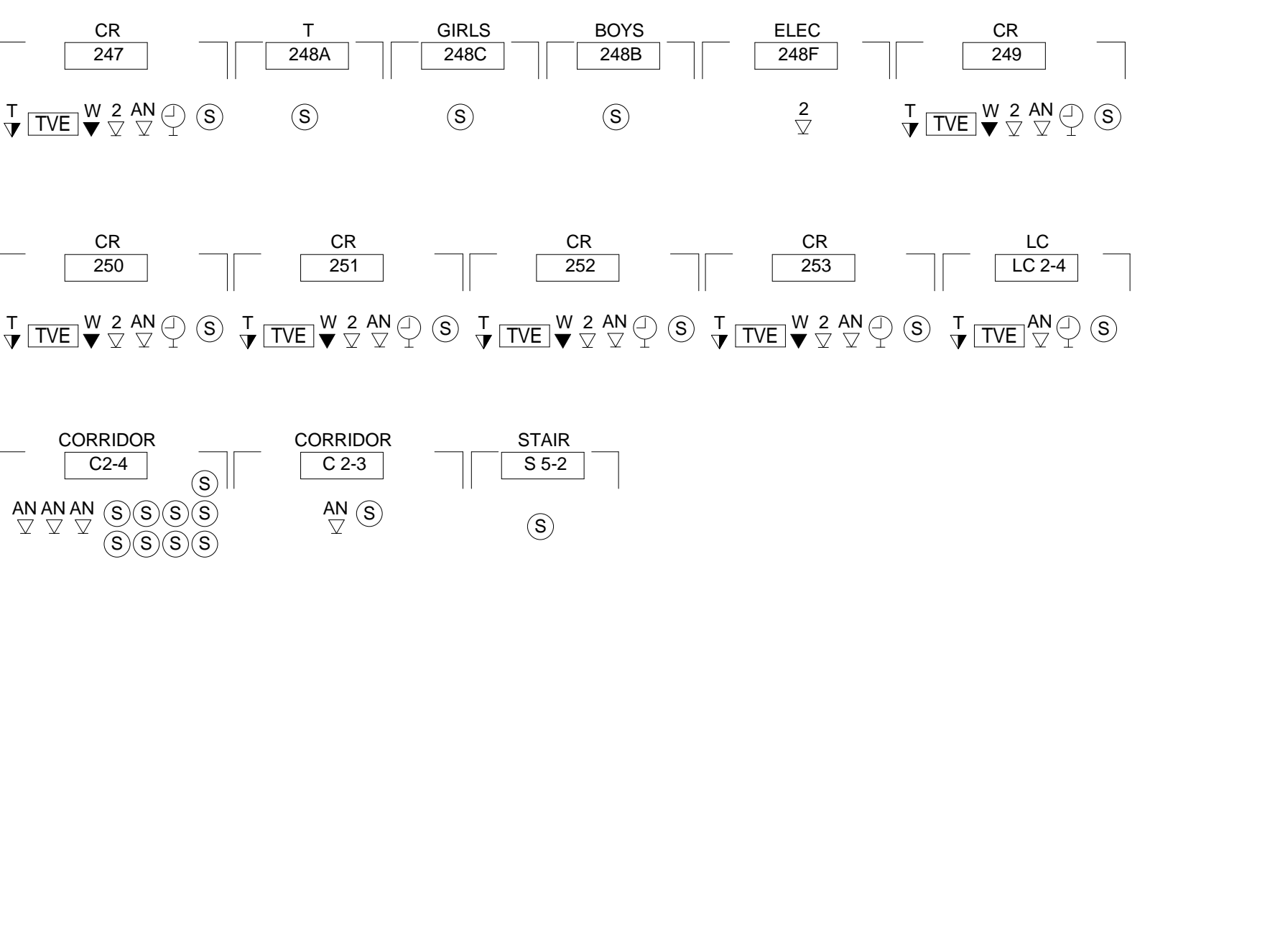
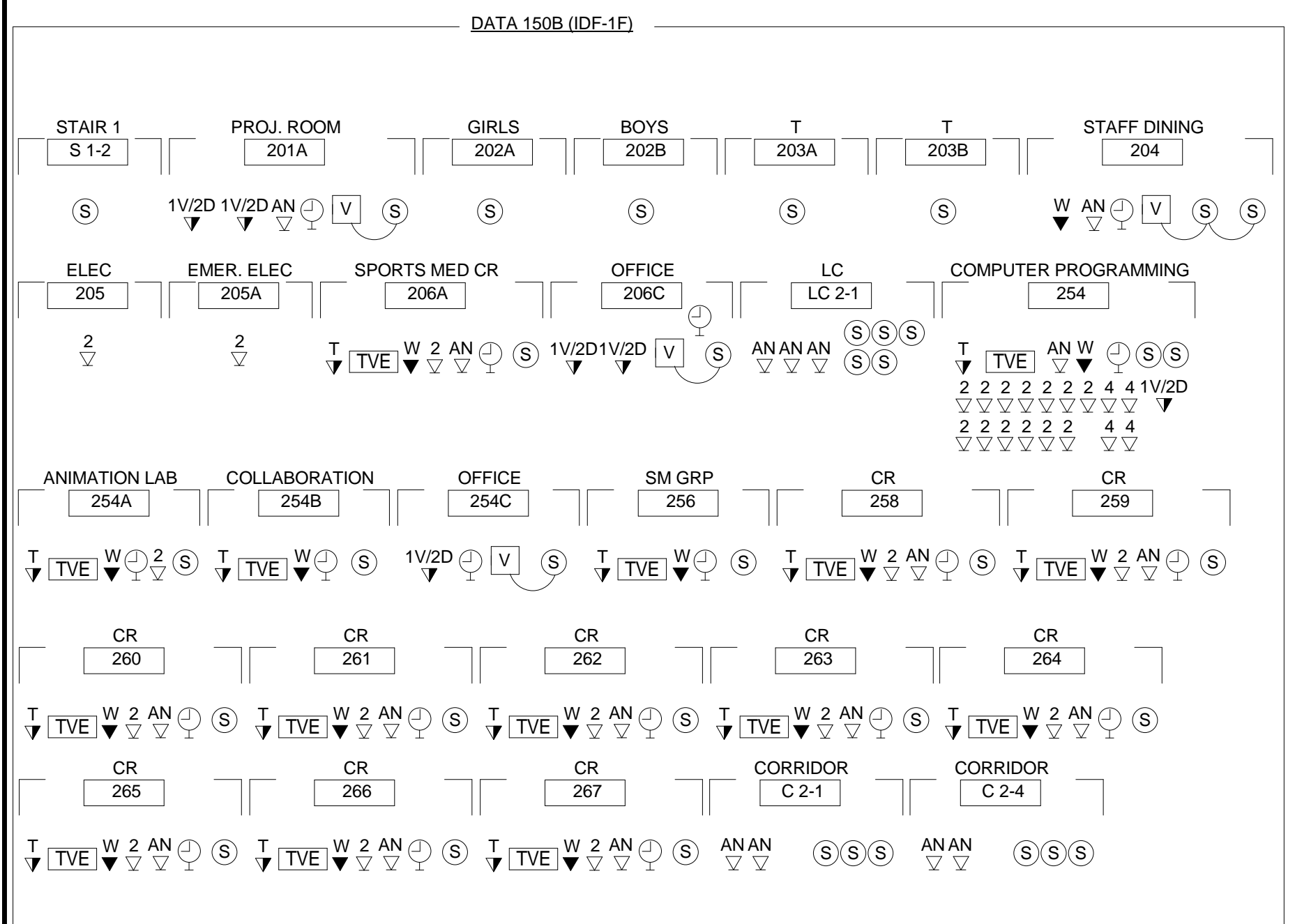
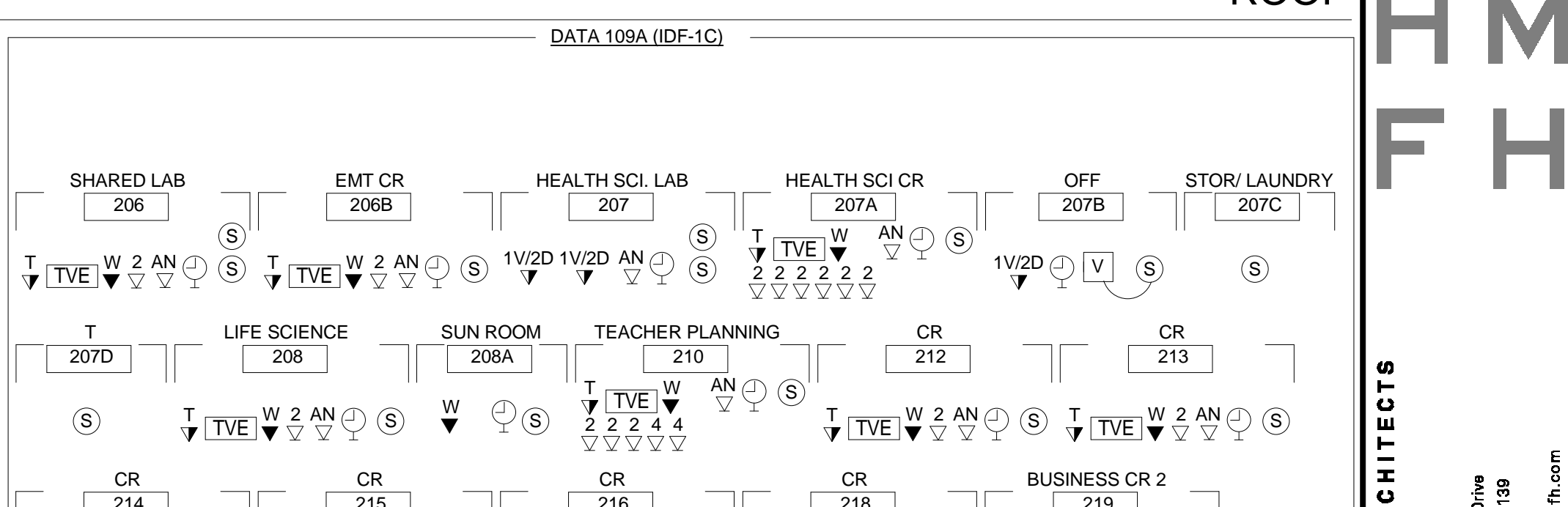
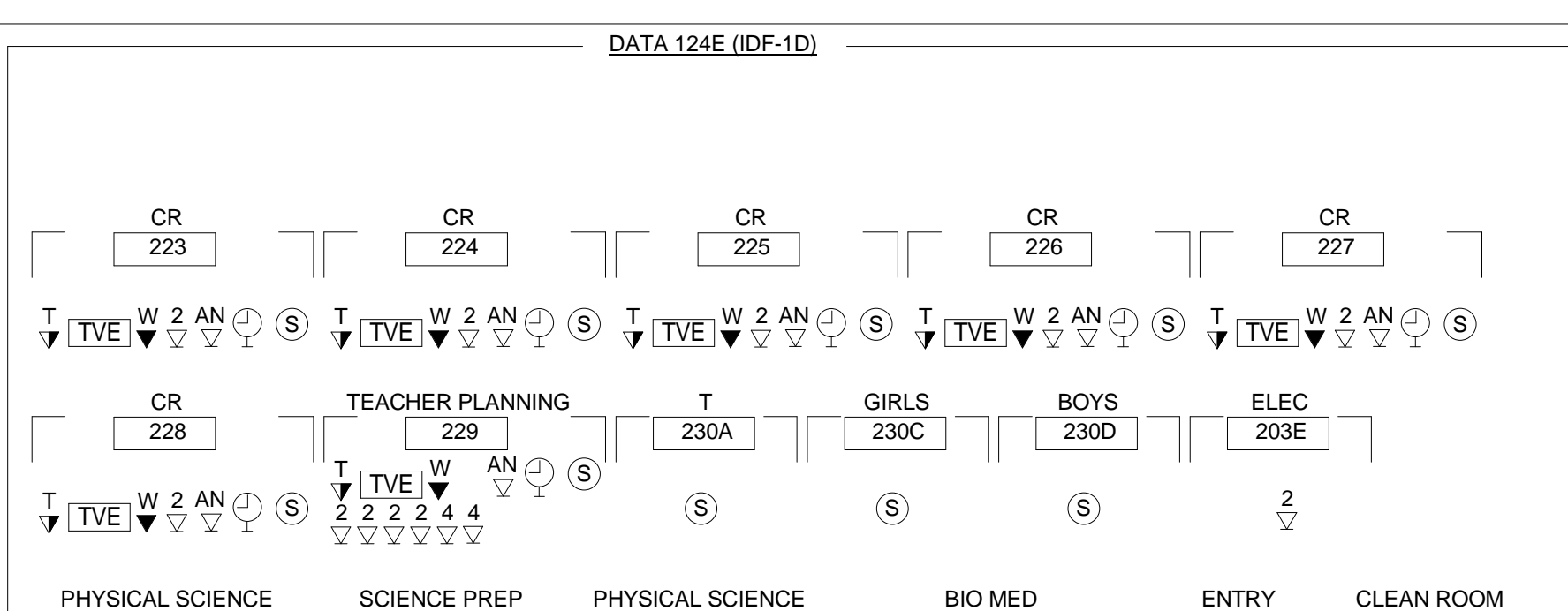
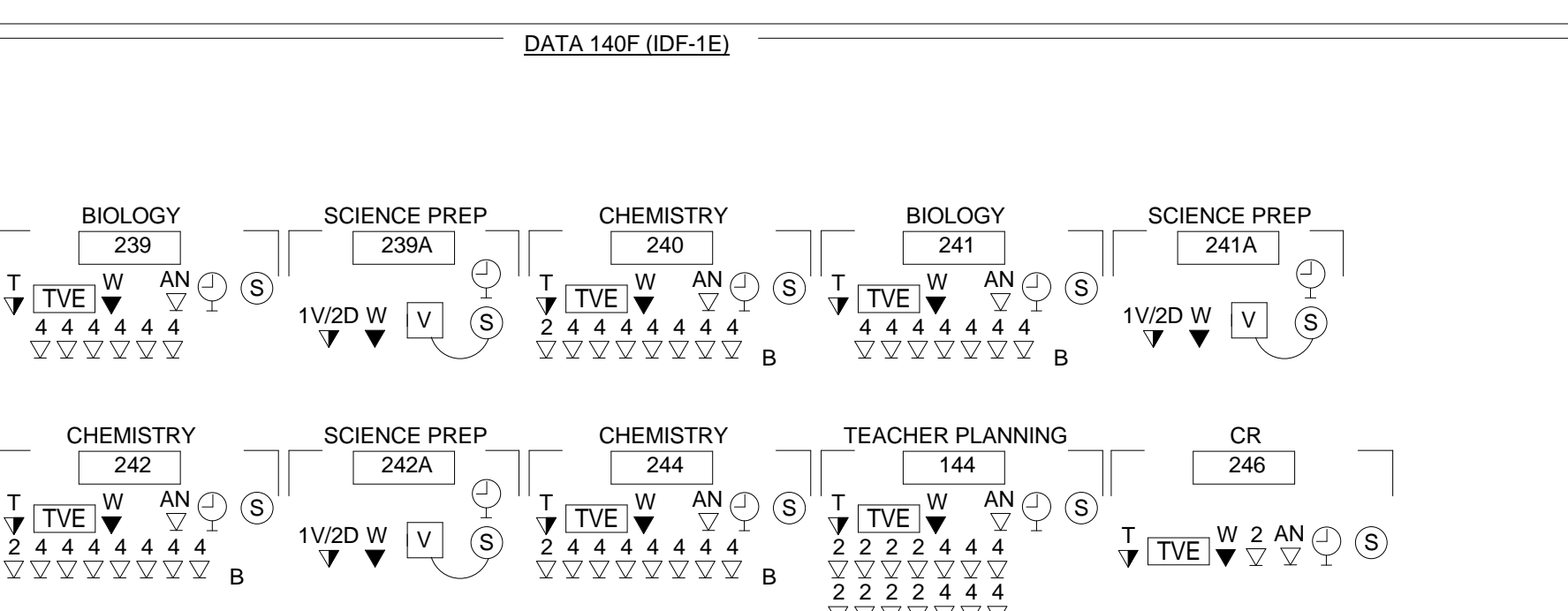
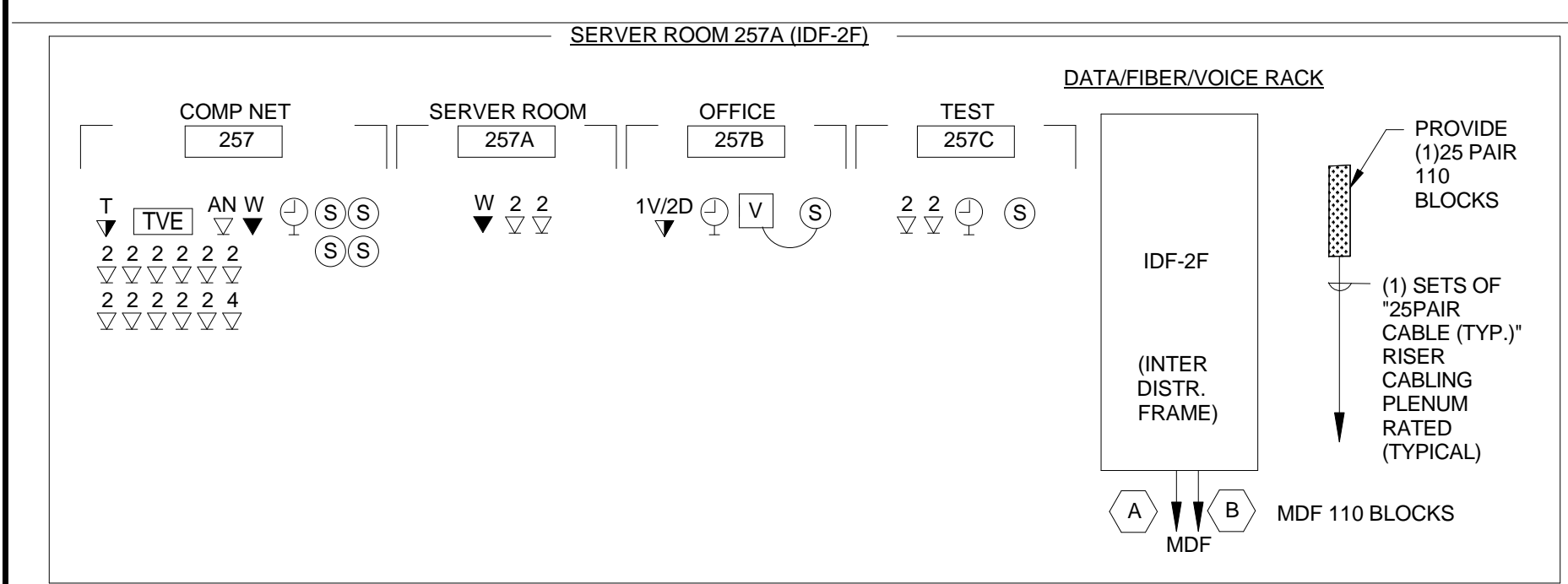
TO GPS MASTER CLOCK
ROOF MTD ANTENNA FOR MASTER CLOCK SYSTEM GPS UNIT.
COORDINATE EXACT LOCATION WITH ARCHITECT & SYSTEM SUPPLIER.



- NOTES:**
- ① - (1) CAT 6 UTP CABLES TO IDF/MDF DATA RACK IN BLOCKED AREA (TYPICAL)
 - ② - (2) CAT 6 UTP CABLES TO IDF/MDF DATA RACK IN BLOCKED AREA (TYPICAL)
 - ③ - (3) CAT 6 UTP CABLES TO IDF/MDF DATA RACK IN BLOCKED AREA (TYPICAL)
 - ④ - (4) CAT 6 UTP CABLES TO IDF/MDF DATA RACK IN BLOCKED AREA & (1) CAT 6 UTP CABLE TO IDF/MDF VOICE RACK IN BLOCKED AREA (TYPICAL)
 - ⑤ - (2) CAT 6A UTP CABLES TO IDF/MDF IN BLOCKED AREA. 2 STRAND MULTI-MODE LASER OPTIMIZED FIBER CABLE TO IDF/MDF IN BLOCKED AREA INSTALL IN PLENUM RATED INNER DUCT. (TYPICAL)
 - ⑥ - (1) CAT 6 UTP CABLE TO IDF/MDF VOICE RACK IN BLOCKED AREA (TYPICAL)
 - ⑦ - (2) CAT 6 UTP CABLES TO IDF/MDF DATA RACK IN BLOCKED AREA & (1) CAT 6 UTP CABLES TO IDF/MDF VOICE RACK IN BLOCKED AREA
 - ⑧ - (1) CAT 6 UTP CABLE TO IDF/MDF VOICE RACK IN BLOCKED AREA (TYPICAL)

- NOTE:**
1. THIS CONTRACTOR SHALL PROVIDE FOR A COMPLETE INSTALLATION. FURNISH ALL EQUIP., LABOR, WIRING AND OUTLETS REQUIRED FOR A COMPLETELY OPERATIONAL SYSTEM.
 2. ALL WIRING SHALL BE IN ACCORDANCE WITH EQUIPMENT SUPPLIER. COORDINATE ALL WIRING REQUIREMENTS PRIOR TO ROUGHING-IN.
 3. PROVIDE APPROPRIATE QUANTITIES OF DATA PATCH PANELS TO ACCOMMODATE ALL RESPECTIVE DATA CIRCUITS.
 4. PROVIDE CAT 6 PATCH CORDS TO MATCH TOTAL QUANTITY OF PATCH PANEL PORTS, AT BOTH MDF/IDF AND WORK STATION.

- A 12 STRAND MULTI-MODE FIBER CABLE TO MDF. INSTALL PLENUM RATED INNER-DUCT.
- B 6 STRAND SINGLE MODE 89 MICRON FIBER CABLE TO MDF. INSTALL PLENUM RATED INNER-DUCT.



NOTES:
1 - (1) CAT 6 UTP CABLES TO IDF/MDF DATA RACK IN BLOCKED AREA (TYPICAL)
2 - (2) CAT 6 UTP CABLES TO IDF/MDF DATA RACK IN BLOCKED AREA (TYPICAL)
3 - (3) CAT 6 UTP CABLES TO IDF/MDF DATA RACK IN BLOCKED AREA (TYPICAL)
4 - (4) CAT 6 UTP CABLES TO IDF/MDF DATA RACK IN BLOCKED AREA (TYPICAL)
5 - (2) CAT 6A UTP CABLES TO IDF/MDF DATA RACK IN BLOCKED AREA (TYPICAL). LASER OPTIMIZED FIBER CABLE TO IDF/MDF IN BLOCKED AREA INSTALL IN PLENUM RATED INNER DUCT. (TYPICAL)
6 - (1) CAT 6 UTP CABLE TO IDF/MDF DATA RACK IN BLOCKED AREA & (1) CAT 6 UTP CABLE TO IDF/MDF VOICE RACK IN BLOCKED AREA (TYPICAL)
7 - (2) CAT 6 UTP CABLES TO IDF/MDF VOICE RACK IN BLOCKED AREA
8 - (1) CAT 6 UTP CABLE TO IDF/MDF VOICE RACK IN BLOCKED AREA (TYPICAL)
A - 12 STRAND MULTI-MODE FIBER CABLE TO MDF. INSTALL PLENUM RATED INNER-DUCT.
B - 6 STRAND SINGLE MODE 8/9 MICRON FIBER CABLE TO MDF. INSTALL PLENUM RATED INNER-DUCT.

NOTES:
1 - (1) CAT 6 UTP CABLE TO IDF/MDF DATA RACK IN BLOCKED AREA (TYPICAL)
2 - (2) CAT 6 UTP CABLES TO IDF/MDF VOICE RACK IN BLOCKED AREA
3 - (3) CAT 6 UTP CABLES TO IDF/MDF DATA RACK IN BLOCKED AREA (TYPICAL)
4 - (4) CAT 6 UTP CABLES TO IDF/MDF DATA RACK IN BLOCKED AREA (TYPICAL)
5 - (2) CAT 6A UTP CABLES TO IDF/MDF DATA RACK IN BLOCKED AREA (TYPICAL). LASER OPTIMIZED FIBER CABLE TO IDF/MDF IN BLOCKED AREA INSTALL IN PLENUM RATED INNER DUCT. (TYPICAL)
6 - (1) CAT 6 UTP CABLE TO IDF/MDF DATA RACK IN BLOCKED AREA & (1) CAT 6 UTP CABLE TO IDF/MDF VOICE RACK IN BLOCKED AREA (TYPICAL)
7 - (2) CAT 6 UTP CABLES TO IDF/MDF VOICE RACK IN BLOCKED AREA
8 - (1) CAT 6 UTP CABLE TO IDF/MDF VOICE RACK IN BLOCKED AREA (TYPICAL)
A - 12 STRAND MULTI-MODE FIBER CABLE TO MDF. INSTALL PLENUM RATED INNER-DUCT.
B - 6 STRAND SINGLE MODE 8/9 MICRON FIBER CABLE TO MDF. INSTALL PLENUM RATED INNER-DUCT.

NOTES:
1 - (1) CAT 6 UTP CABLE TO IDF/MDF VOICE RACK IN BLOCKED AREA (TYPICAL)
2 - (2) CAT 6 UTP CABLES TO IDF/MDF VOICE RACK IN BLOCKED AREA
3 - (3) CAT 6 UTP CABLES TO IDF/MDF DATA RACK IN BLOCKED AREA (TYPICAL)
4 - (4) CAT 6 UTP CABLES TO IDF/MDF DATA RACK IN BLOCKED AREA (TYPICAL)
5 - (2) CAT 6A UTP CABLES TO IDF/MDF DATA RACK IN BLOCKED AREA (TYPICAL). LASER OPTIMIZED FIBER CABLE TO IDF/MDF IN BLOCKED AREA INSTALL IN PLENUM RATED INNER DUCT. (TYPICAL)
6 - (1) CAT 6 UTP CABLE TO IDF/MDF DATA RACK IN BLOCKED AREA & (1) CAT 6 UTP CABLE TO IDF/MDF VOICE RACK IN BLOCKED AREA (TYPICAL)
7 - (2) CAT 6 UTP CABLES TO IDF/MDF VOICE RACK IN BLOCKED AREA
8 - (1) CAT 6 UTP CABLE TO IDF/MDF VOICE RACK IN BLOCKED AREA (TYPICAL)
A - 12 STRAND MULTI-MODE FIBER CABLE TO MDF. INSTALL PLENUM RATED INNER-DUCT.
B - 6 STRAND SINGLE MODE 8/9 MICRON FIBER CABLE TO MDF. INSTALL PLENUM RATED INNER-DUCT.

NOTES:
1. THIS CONTRACTOR SHALL PROVIDE FOR A COMPLETE INSTALLATION. FURNISH ALL EQUIP. LABOR, WIRING AND OUTLETS REQUIRED FOR A COMPLETELY OPERATIONAL SYSTEM.
2. ALL WIRING SHALL BE IN ACCORDANCE WITH EQUIPMENT SUPPLIER. COORDINATE ALL WIRING REQUIREMENTS PRIOR TO ROUGHING-IN.
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4. PROVIDE CAT 6 PATCH CORDS TO MATCH TOTAL QUANTITY OF PATCH PANEL PORTS. AT BOTH MDF/IDF AND WORK STATION.
REVISIONS NO. DATE REMARKS BY
B 2016-09-01 Addendum B B

QUANTITY OF DEVICES			
MDF ROOM 004 (MDF)			
	DATA (CAT 6A)	VOICE (CAT 6A)	
2	= 20	40	-
4	= 1	4	-
AN	= 4	8	-
1V2D	= 5	10	5
W	= 3	-	3
TVE	= 1	1	1
TVC	= 1	2	-
TOTAL	67	9	

QUANTITY OF DEVICES			
DATA 004 (IDF-A)			
	DATA (CAT 6A)	VOICE (CAT 6A)	
2	= 26	52	-
4	= 2	8	-
AN	= 21	42	-
1V2D	= 17	34	17
W	= 13	-	13
TVE	= 3	3	3
TVC	= 3	6	-
TOTAL	146	34	

QUANTITY OF DEVICES			
DATA 109A (IDF-1C)			
	DATA (CAT 6A)	VOICE (CAT 6A)	
2	= 48	96	-
4	= 18	72	-
AN	= 42	84	-
1V2D	= 8	16	8
W	= 36	-	36
TVE	= 35	35	35
TVC	= 35	70	-
TOTAL	377	81	

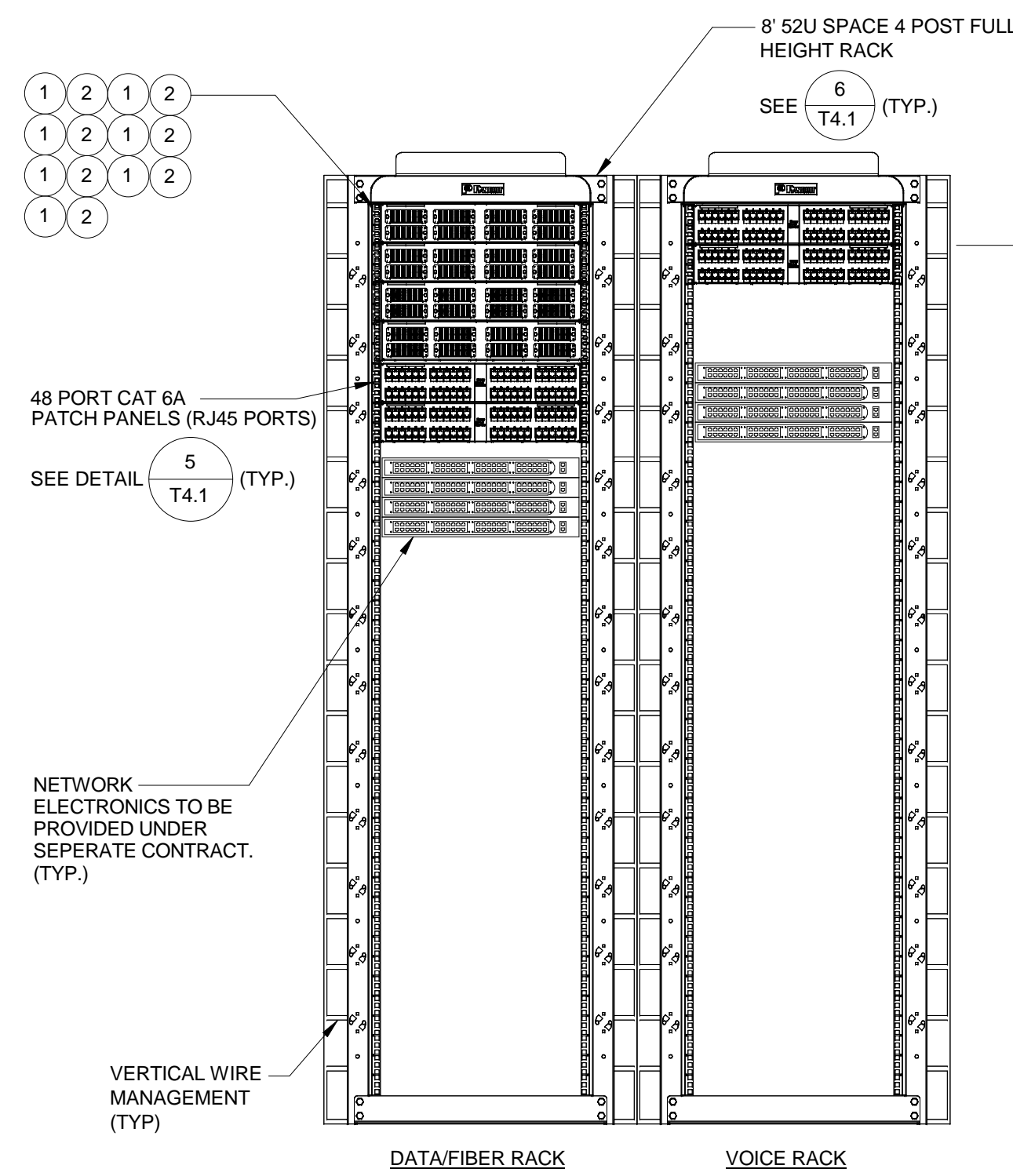
QUANTITY OF DEVICES			
DATA 124E (IDF-1D)			
	DATA (CAT 6A)	VOICE (CAT 6A)	
2	= 38	76	-
4	= 61	244	-
AN	= 39	78	-
1V2D	= 6	12	6
W	= 37	-	37
TVE	= 30	30	30
TVC	= 30	60	-
TOTAL	529	86	

QUANTITY OF DEVICES			
DATA 140F (IDF-1E)			
	DATA (CAT 6A)	VOICE (CAT 6A)	
2	= 40	80	-
4	= 64	256	B
AN	= 42	84	-
1V2D	= 21	42	21
W	= 36	-	36
TVE	= 27	27	27
TVC	= 27	54	-
TOTAL	545	86	

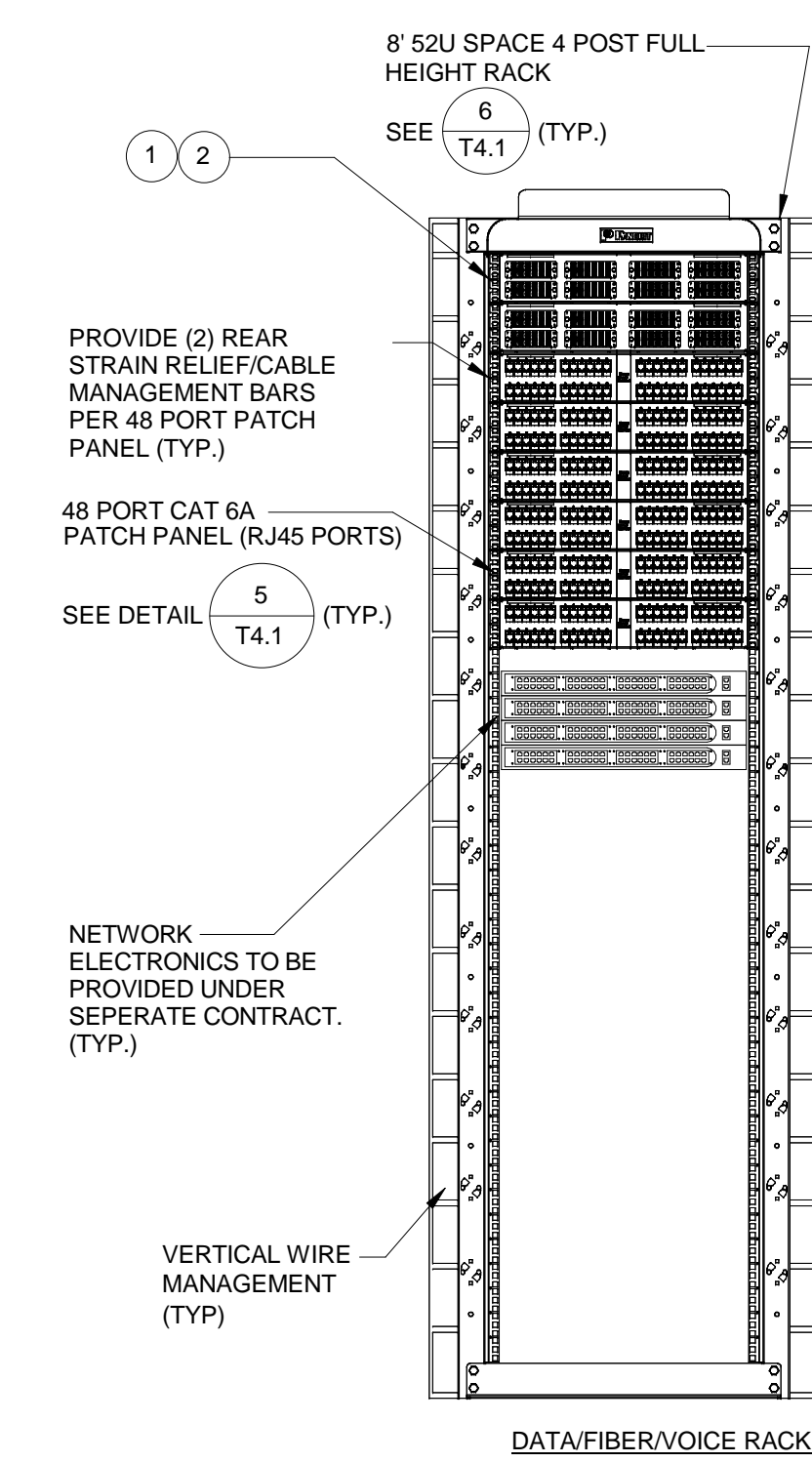
QUANTITY OF DEVICES			
DATA 150B (IDF-1F)			
	DATA (CAT 6A)	VOICE (CAT 6A)	
2	= 5	-	-
4	= 69	138	-
AN	= 4	16	-
1V2D	= 36	72	36
W	= 34	-	34
TVE	= 28	28	28
TVC	= 29	58	-
TOTAL	404	99	

QUANTITY OF DEVICES			
SERVER ROOM 257 (IDF-2F)			
	DATA (CAT 6A)	VOICE (CAT 6A)	
2	= 15	30	-
4	= 1	4	-
AN	= 1	2	-
1V2D	= 1	2	1
W	= 2	-	2
TVE	= 1	1	1
TVC	= 1	2	-
TOTAL	41	4	

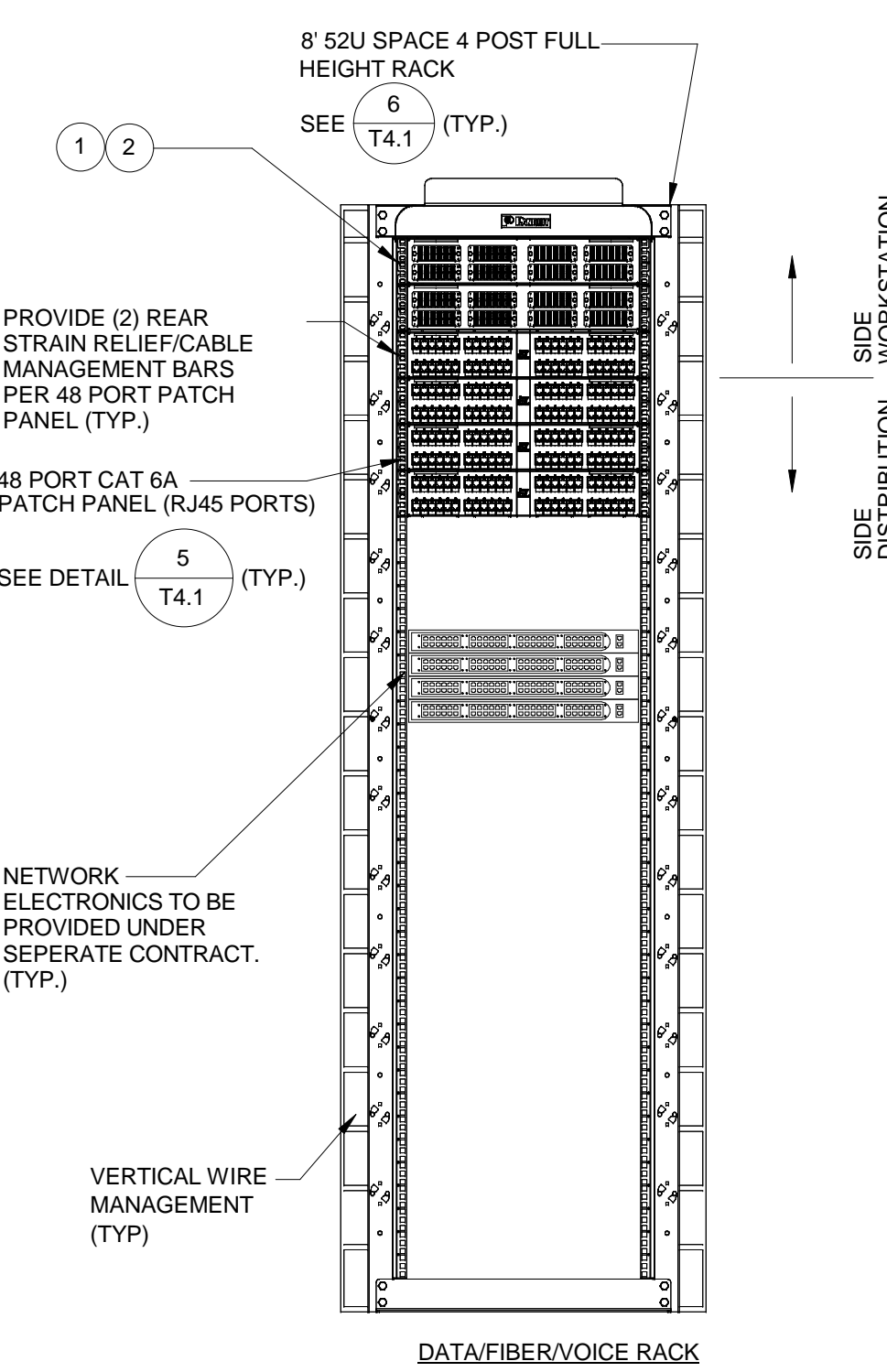
MAIN DISTRIBUTION FRAME MDF					
LOCATION: MDF ROOM 004 (MDF)					
CAT 6A (RJ45) VOICE PORT			CAT 6A (RJ45) DATA PORTS		
USED	SPARE	PATCH PANEL SIZE	USED	SPARE	PATCH PANEL SIZE
9	39	(1) 48 PORT (1) 48 PORT	67	29	(2) 48 PORT
INTERMEDIATE DISTRIBUTION FRAME IDF					
LOCATION: DATA 004 (IDF-A)					
34	14	(1) 48 PORT (1) 48 PORT	146	46	(4) 48 PORT
INTERMEDIATE DISTRIBUTION FRAME IDF					
LOCATION: GYM STO 033C (IDF-B)					
16	32	(1) 48 PORT (1) 48 PORT	62	34	(2) 48 PORT
INTERMEDIATE DISTRIBUTION FRAME IDF					
LOCATION: DATA 109A (IDF-1C)					
81	15	(2) 48 PORT (2) 48 PORT	277	11	(6) 48 PORT
INTERMEDIATE DISTRIBUTION FRAME IDF					
LOCATION: DATA 124E (IDF-1D)					
73	23	(2) 48 PORT (2) 48 PORT	502	26	(11) 48 PORT
INTERMEDIATE DISTRIBUTION FRAME IDF					
LOCATION: DATA 140F (IDF-1E)					
86	10	(2) 48 PORT (2) 48 PORT	545	31	(12) 48 PORT
INTERMEDIATE DISTRIBUTION FRAME IDF					
LOCATION: DATA 150B (IDF-1F)					
99	45	(3) 48 PORT (3) 48 PORT	404	28	(9) 48 PORT
INTERMEDIATE DISTRIBUTION FRAME IDF					
LOCATION: SERVER ROOM 257 (IDF-2F)					
4	44	(1) 48 PORT (1) 48 PORT	41	7	(1) 48 PORT



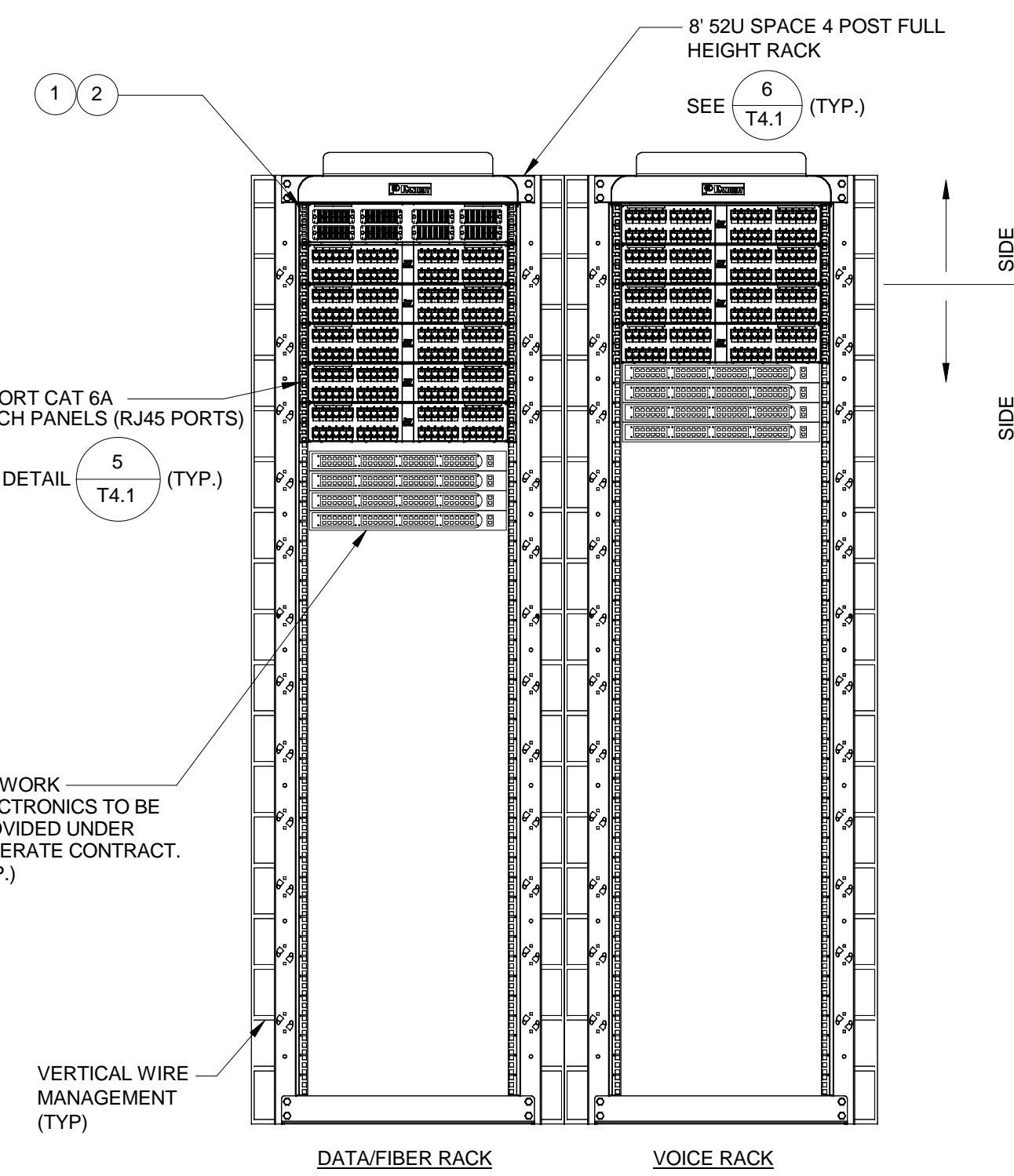
1 MDF DETAIL
T4.0 NOT TO SCALE



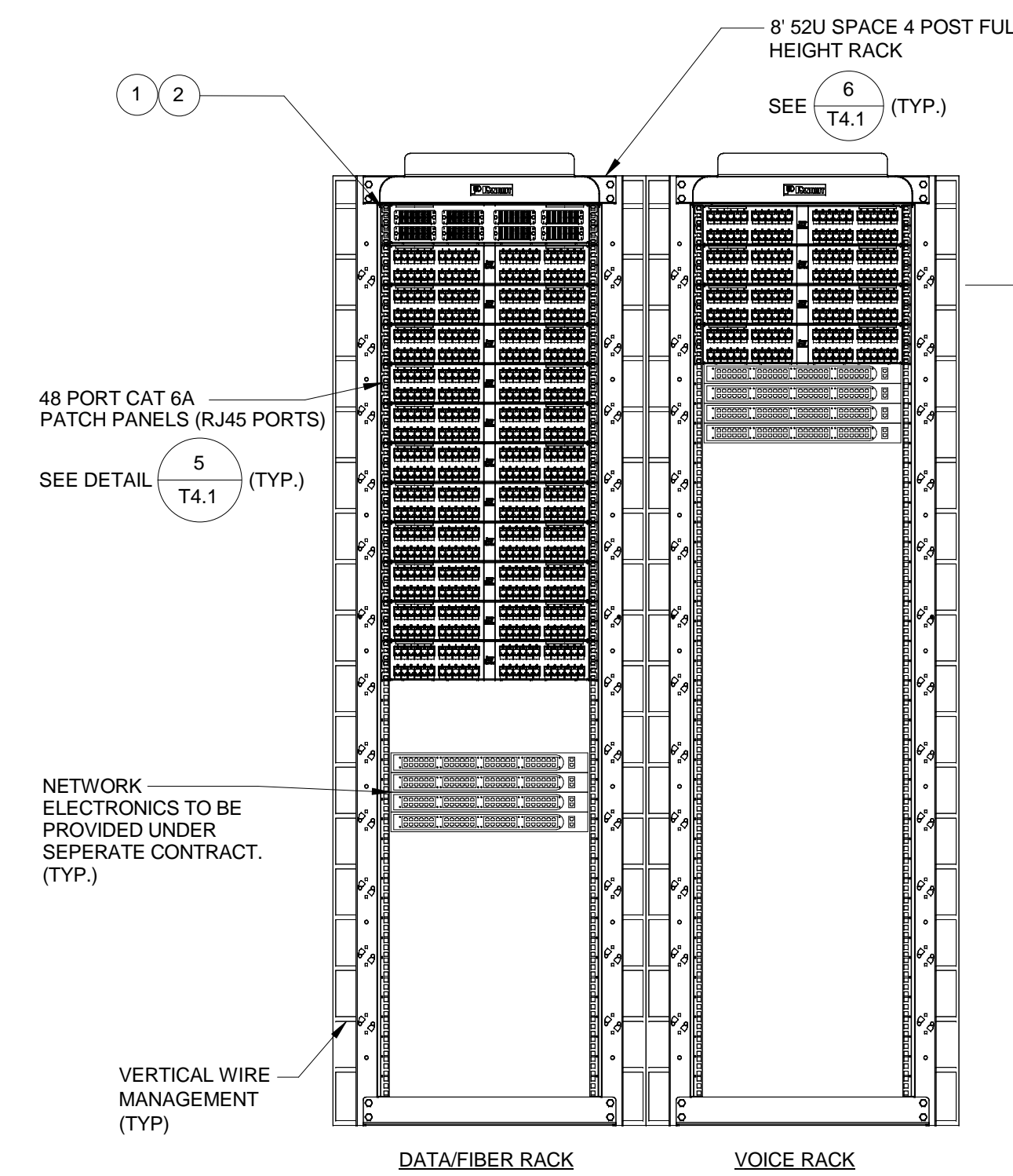
2 IDF-A (DATA 004) DETAIL
T4.0 NOT TO SCALE



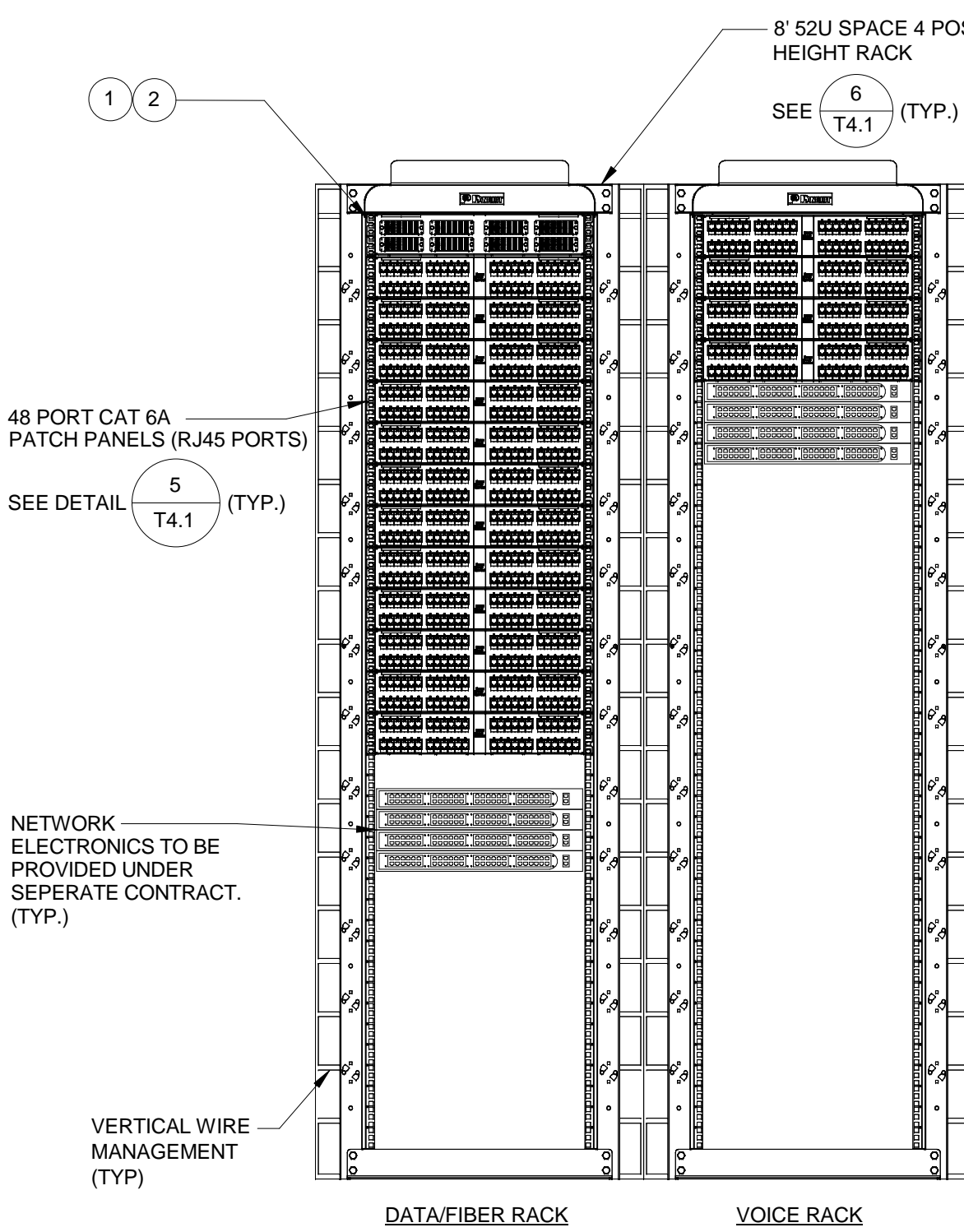
3 IDF-B (GYM STO 033C) DETAIL
T4.0 NOT TO SCALE



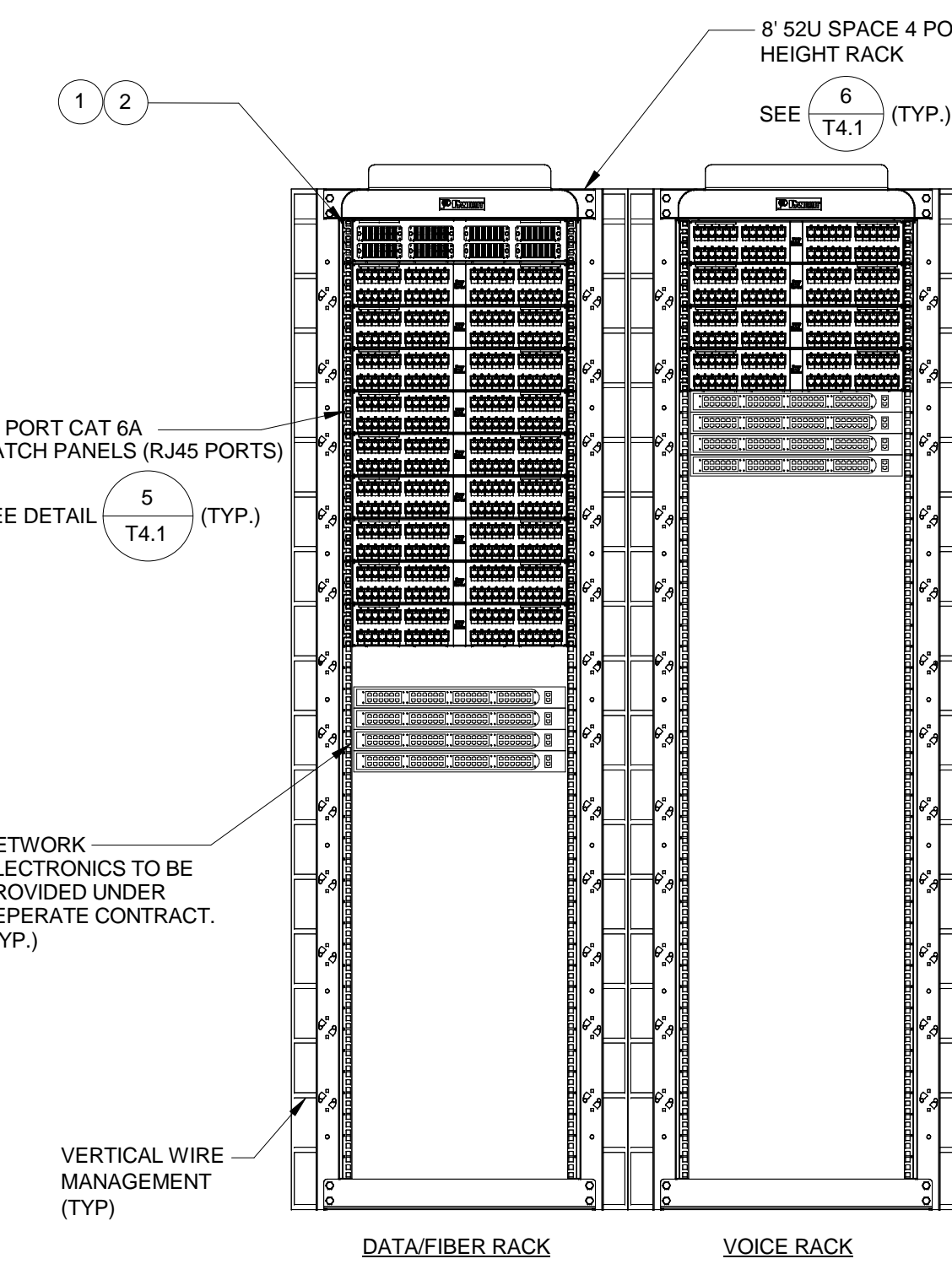
4 IDF-1C (DATA 109A) DETAILS
T4.0 NOT TO SCALE



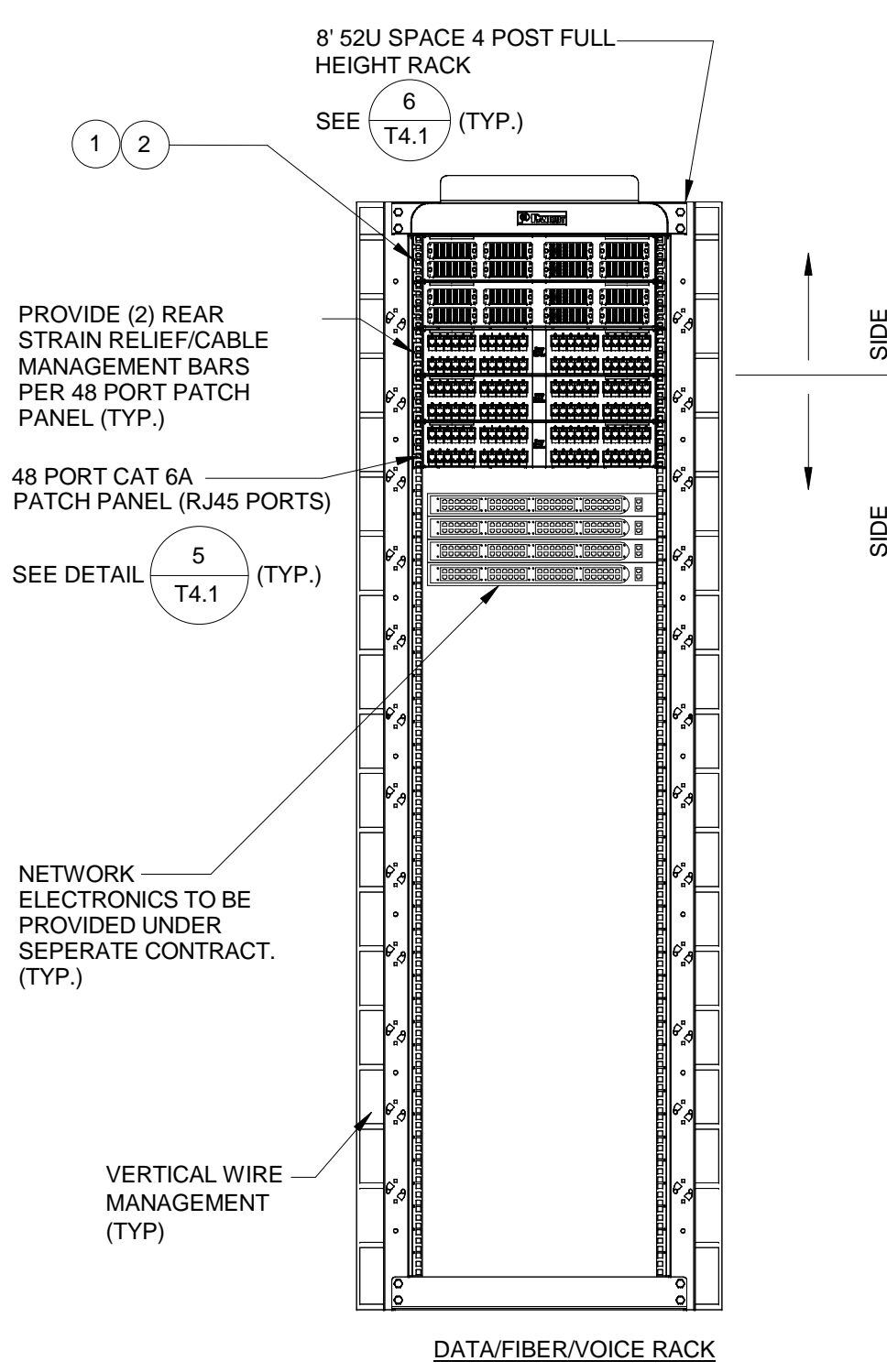
5 IDF-1D (DATA 124E) DETAILS
T4.0 NOT TO SCALE



6 IDF-1E (DATA 140F) DETAILS
T4.0 NOT TO SCALE



7 IDF-1F (DATA 150B) DETAILS
T4.0 NOT TO SCALE



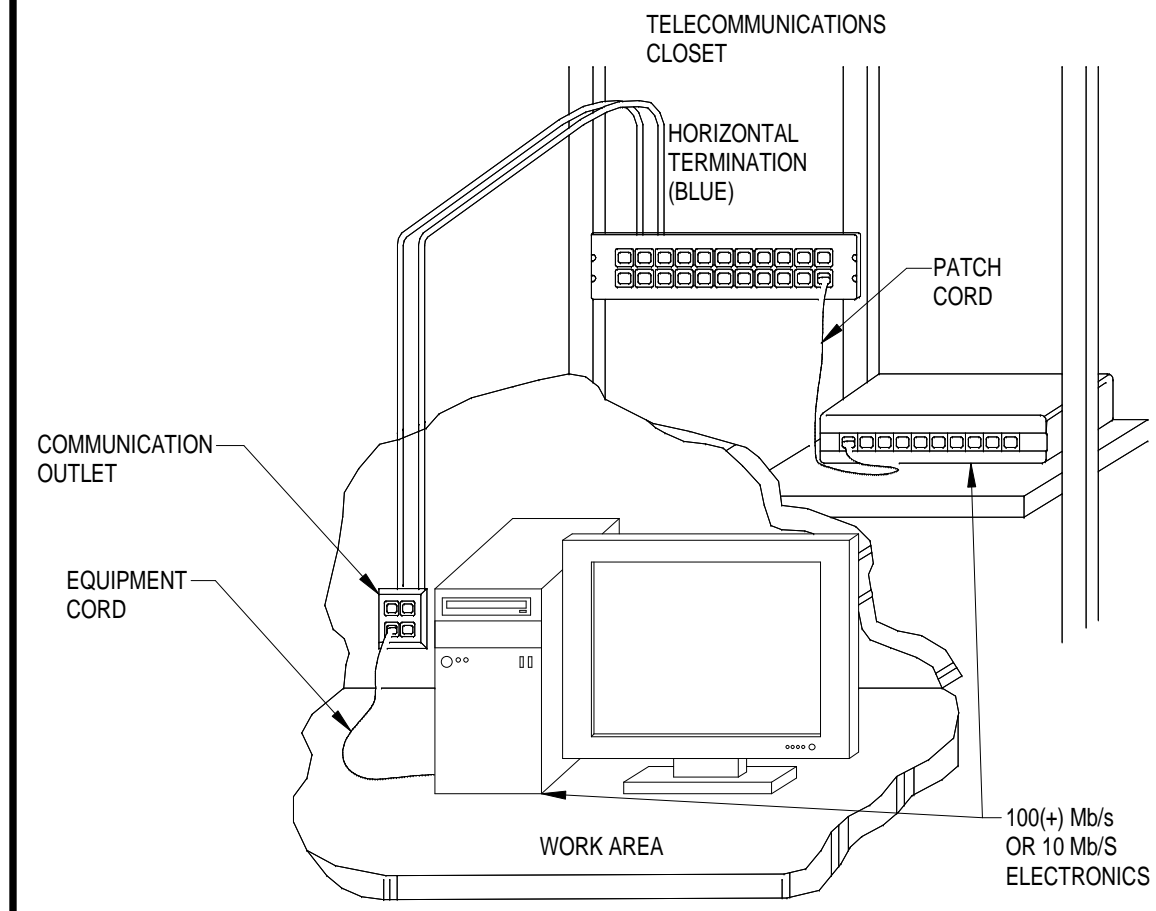
8 IDF-2F (SERVER ROOM 257) DETAIL
T4.0 NOT TO SCALE

CABLE/FIBER SCHEDULE

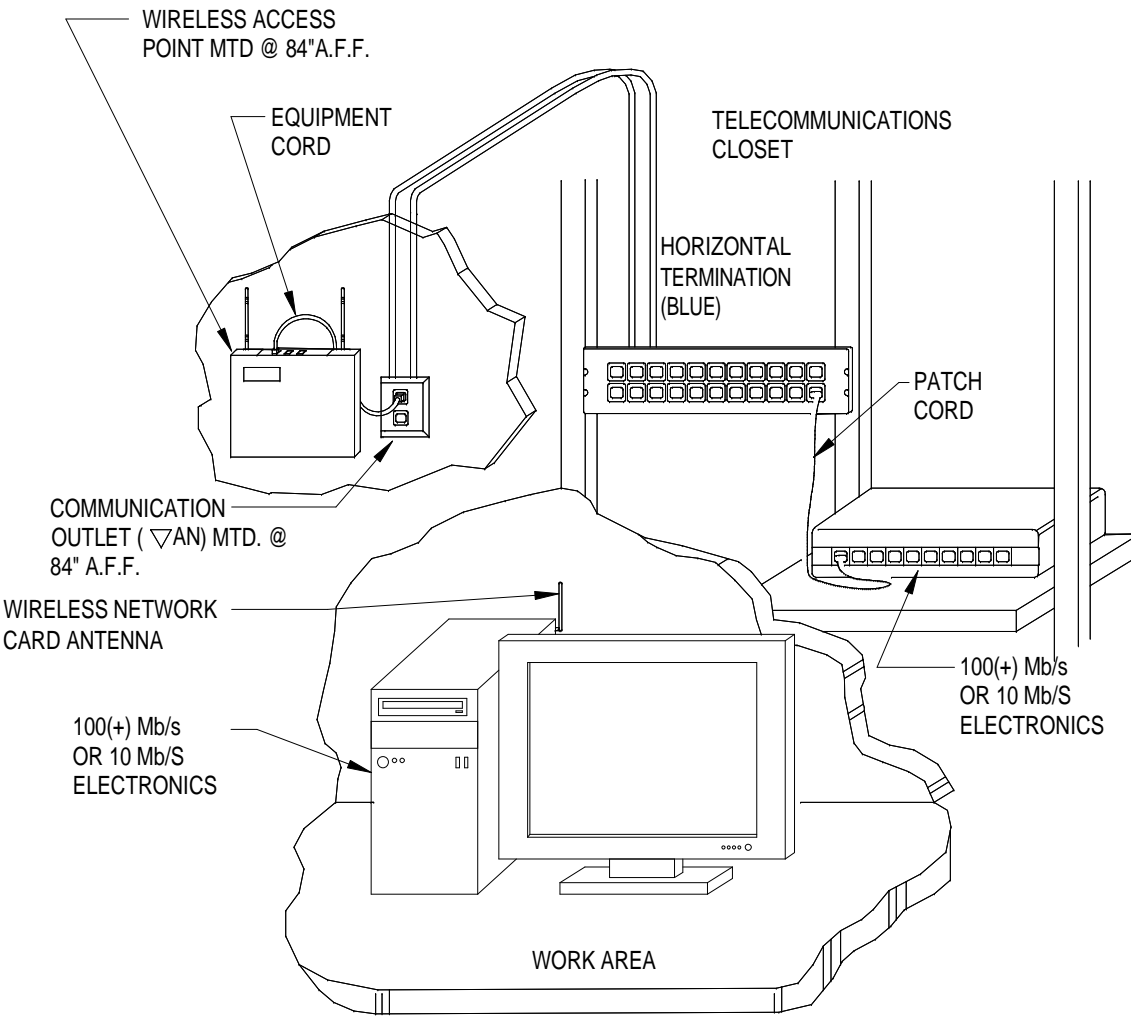
- FIBER OPTIC MULTIMODE LIU (LIGHTGUIDE INTERFACE UNIT) PATCH PANEL (12 PORT - SC CONNECTORS) - PREMISES DISTRIBUTION
- FIBER OPTIC SINGLEMODE LIU (LIGHTGUIDE INTERFACE UNIT) PATCH PANEL (6 PORT - ST CONNECTORS) - PREMISES DISTRIBUTION
- FIBER OPTIC SINGLEMODE LIU (LIGHTGUIDE INTERFACE UNIT) PATCH PANEL (12 PORT - ST CONNECTORS) - PREMISES DISTRIBUTION

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100% CONFORMED SET - FOR CONSTRUCTION
 9/12/16
 DRAWING: WJK
 CHECKED BY: DMP
 DOVER HS / CTC
 Dover, NH
TECHNOLOGY SCHEDULES & DETAILS
 SCALE
 DRAWING NUMBER
T4.0
 JOB NUMBER 40114

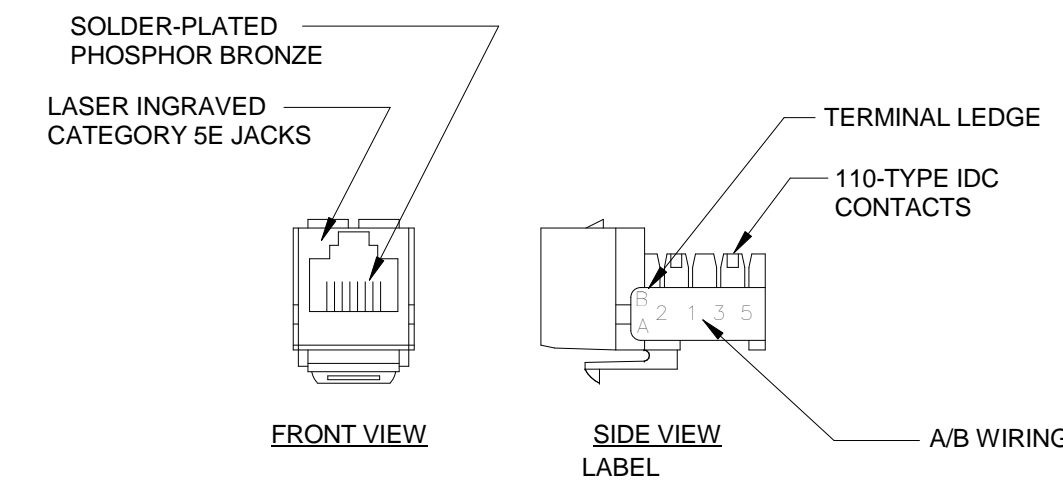
REVISIONS NO.	DATE	REMARKS	BY
B	2016-09-01	Addendum B	B



1
T4.1 TYPICAL INTERCONNECTION ARCHITECTURE
NOT TO SCALE

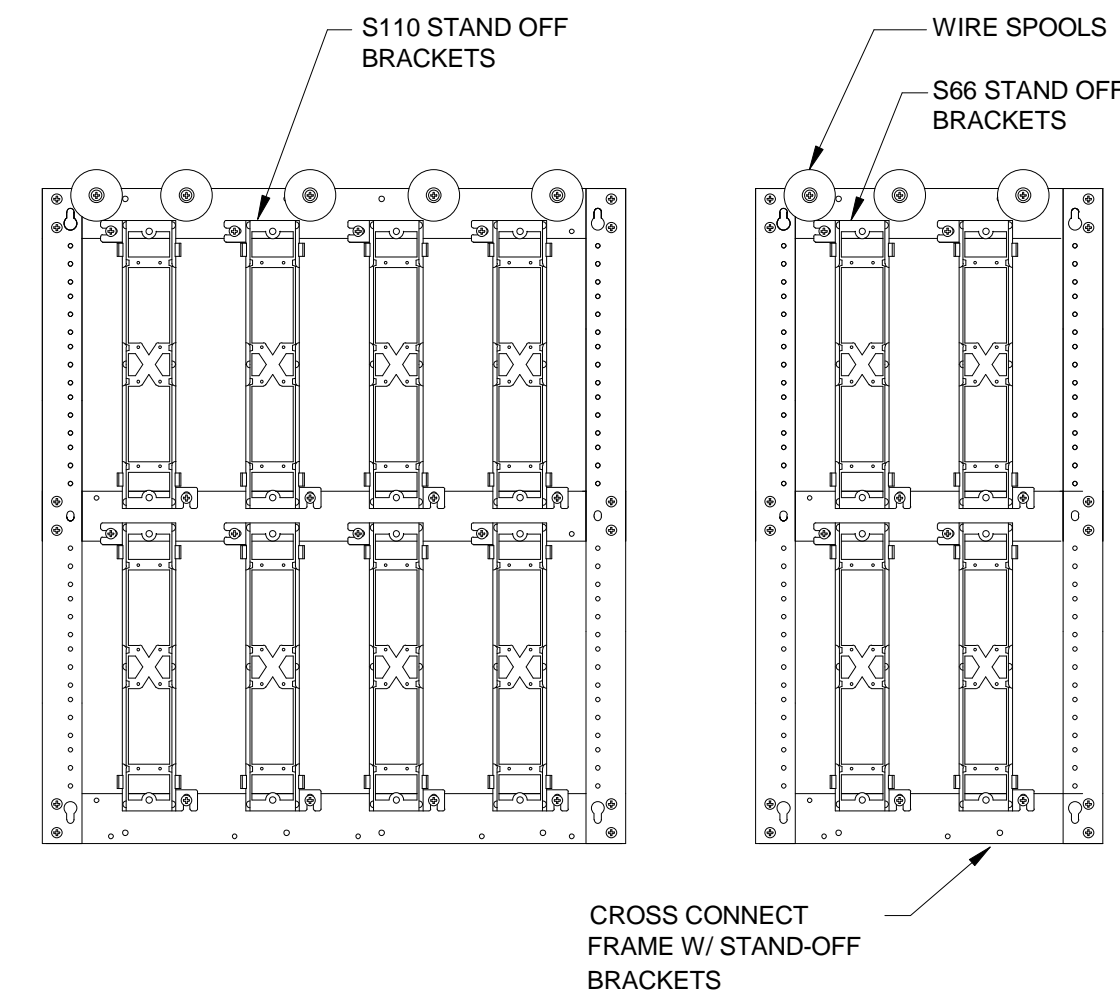


2
T4.1 TYPICAL WIRELESS INTERCONNECTION ARCHITECTURE
NOT TO SCALE

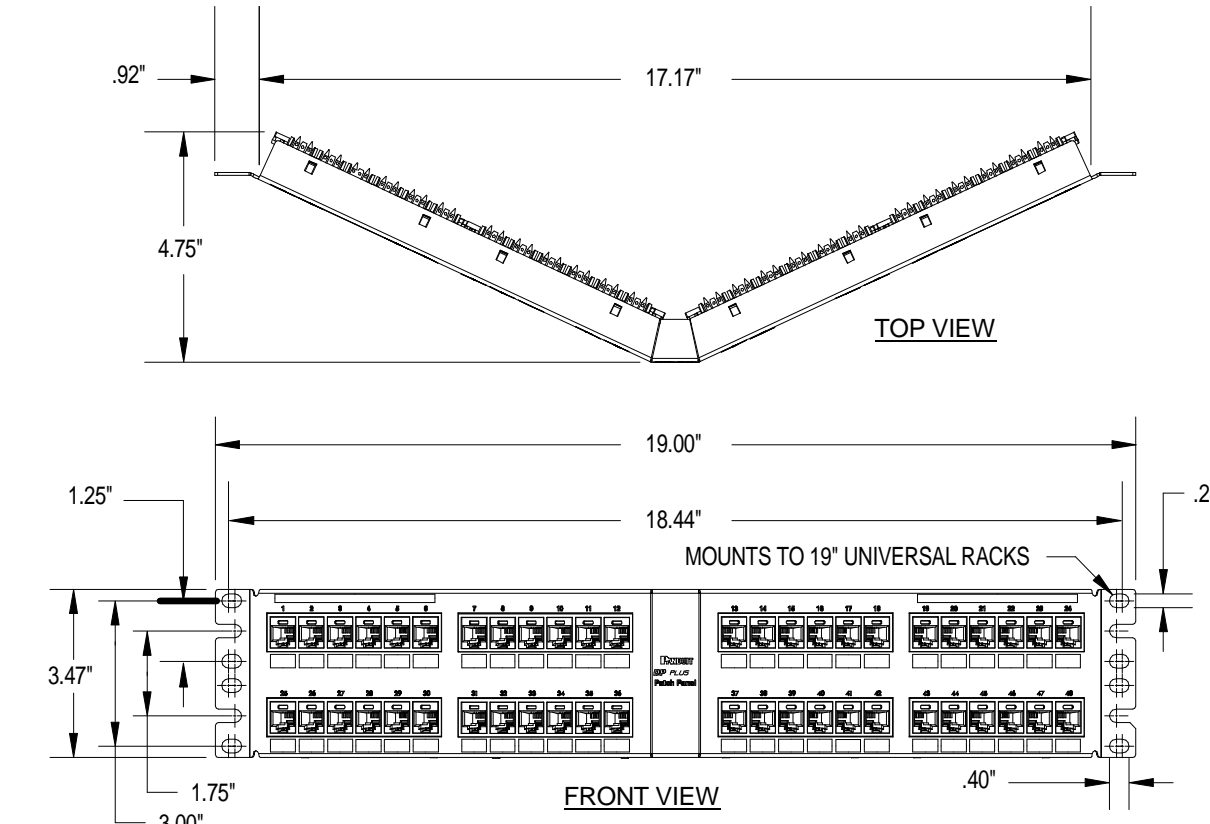


3
T4.1 RJ45 CONNECTION DETAILS
NOT TO SCALE

NOTE
PANELS SHALL BE UL LISTED, MEET NATIONAL ELECTRICAL CODE REQUIREMENTS AND SPECIFICATIONS FOR UL 1863, AND FULLY COMPLY WITH FCC PART 68 AND TIA-568-A CATEGORY 5E.

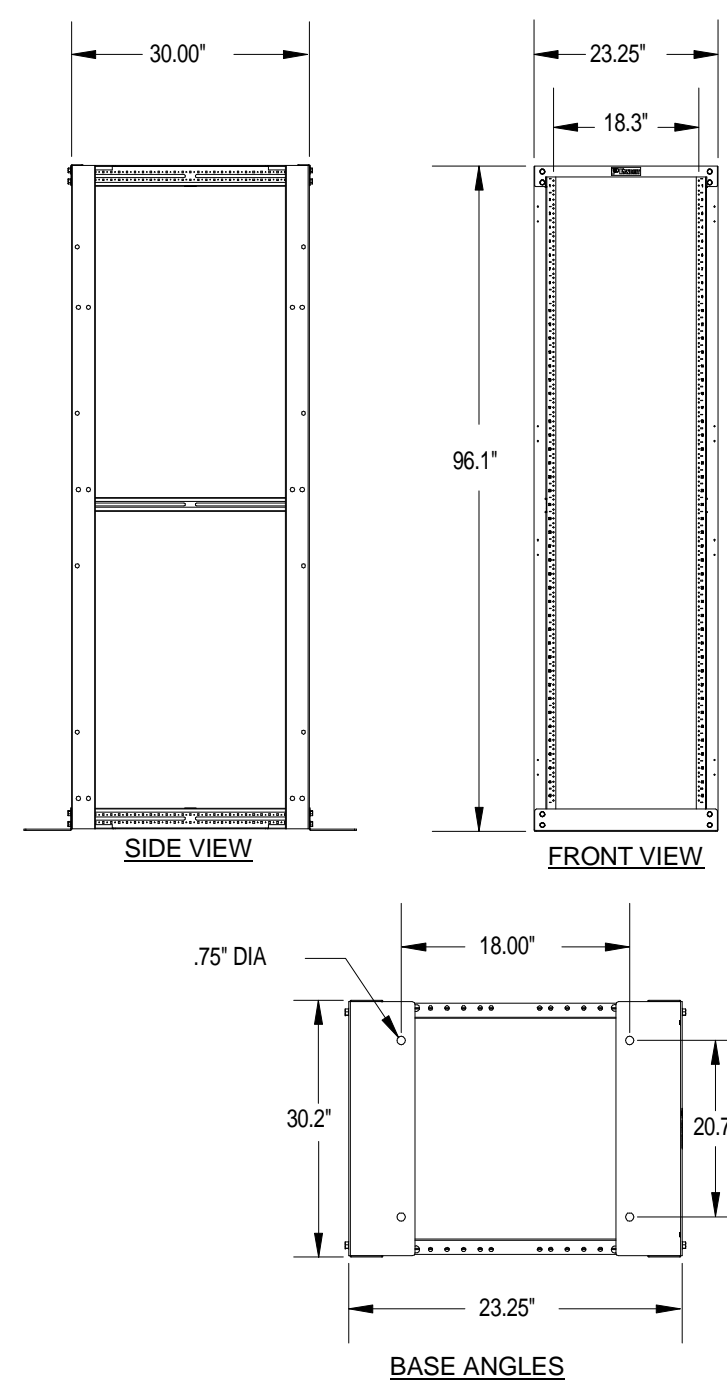


4
T4.1 TYPICAL CROSS CONNECT
NOT TO SCALE



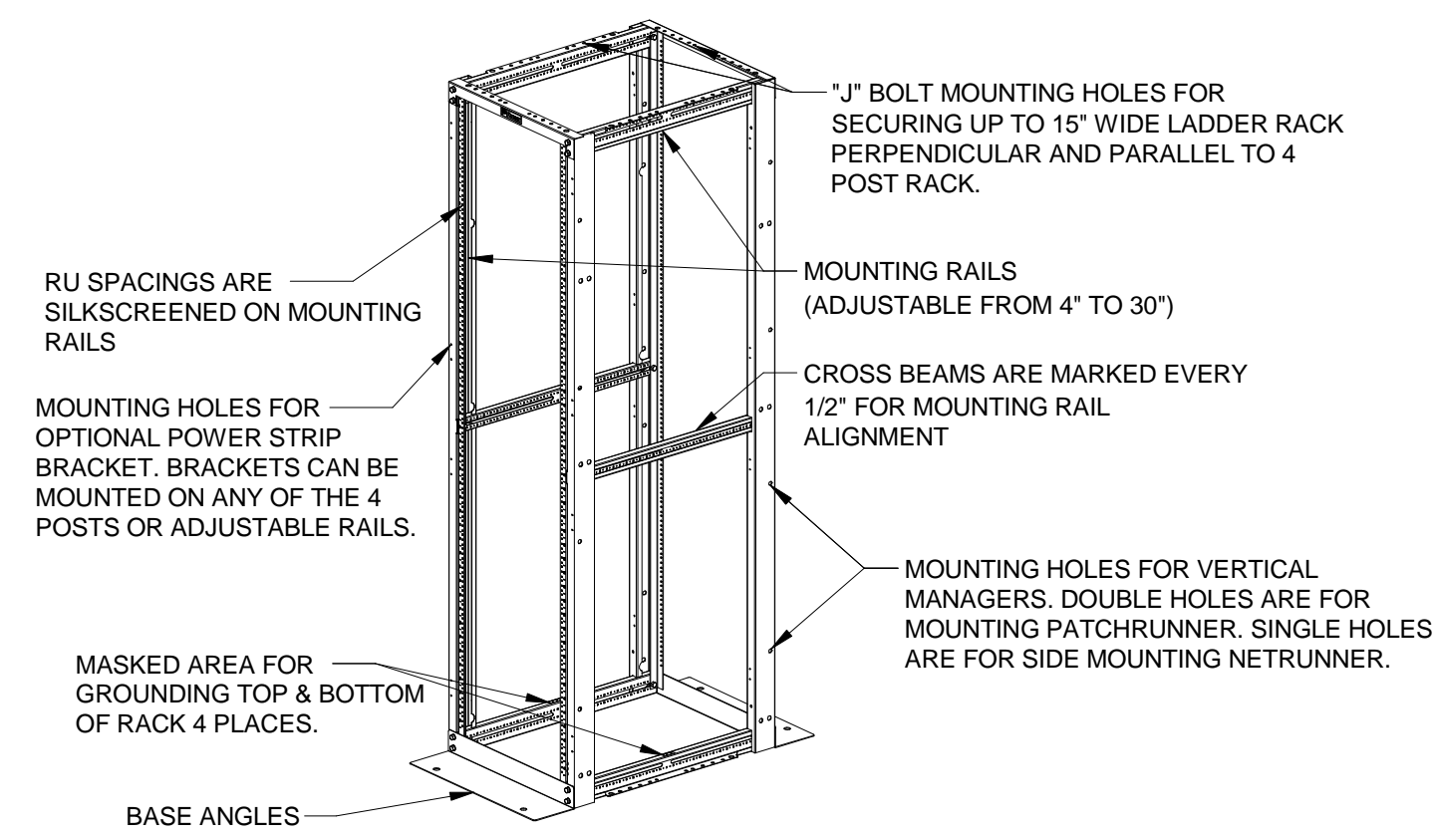
5
T4.1 48 PORT CAT 6A PATCH PANEL
NOT TO SCALE

NOTE
PANELS SHALL BE UL LISTED, MEET NATIONAL ELECTRICAL CODE REQUIREMENTS AND SPECIFICATIONS FOR UL 1863, AND FULLY COMPLY WITH FCC PART 68 AND TIA-568-A CATEGORY 6.

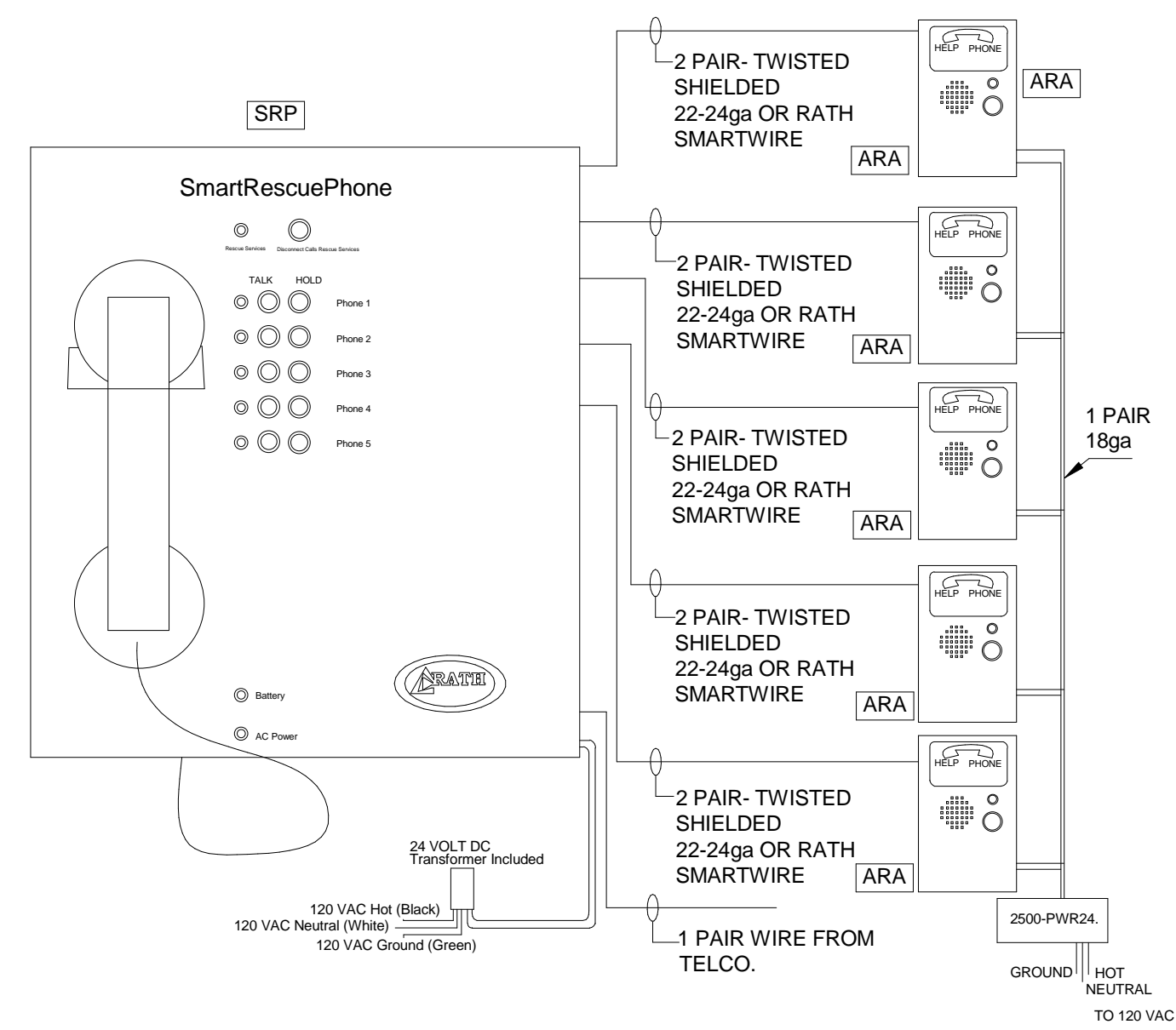


NOTES:

- CAN BE USED WITH ANY EIA STANDARD COMPONENT IN ADDITION TO ALL PANDUIT HORIZONTAL CABLE MANAGEMENT AND PATCH PANEL PRODUCTS.
- 52 AVAILABLE RACK SPACES.
- RU SPACING NUMBERS ARE CLEARLY PRINTED ON MOUNTING RAILS.
- EASY ASSEMBLY, ONE WRENCH NEEDED TO INSTALL BOLTS INTO WELDNUTS IN ALL 8 CORNERS.
- FULLY BONDED STRUCTURE WHEN ASSEMBLED PER INSTRUCTIONS.
- LOAD RATING - 2000 LBS.



6
T4.1 8' 52U SPACE 4 POST RACK
NOT TO SCALE



7
T4.1 SMARTRESCUE BASE STATION WIRING DIAGRAM
SCALE: N.T.S.

SRP SMART RESCUE PHONE
ARA AREA RESCUE ASSISTANCE BUTTON

AUDIOVISUAL DEVICE KEY				
DEVICE	DESCRIPTION	BACK BOX DESCRIPTION	MOUNTING HEIGHT ADVICE	COMMENTS
AL	ASSISTIVE LISTENING ANTENNA CONNECTION	ONE GANG ELECTRICAL BOX	PER ARCHITECT	
AV	AUDIO CONNECTION PANEL	TWO GANG ELECTRICAL BOX	PROJECT RECEPTACLE HEIGHT	
BCP	BLEACHER CONNECTION PANEL	TWO GANG ELECTRICAL BOX	PROJECT RECEPTACLE HEIGHT	
CA	CAMERA CONNECTION PANEL	TWO GANG ELECTRICAL BOX	PER ARCHITECT	
CC	CENTER CLUSTER LOUDSPEAKER WIRING	4"x4"x4" ELECTRICAL BOX	ABOVE LOUDSPEAKER LOCATION	
CI	CAMERA CONNECTION PANEL	THREE GANG ELECTRICAL BOX	PROJECT RECEPTACLE HEIGHT	
CT1	CABLE TRAY	N/A	ABOVE MAIN AUDITORIUM EQUIPMENT RACKS	
D	DELAY LOUDSPEAKER WIRING	4"x4"x4" ELECTRICAL BOX	ABOVE LOUDSPEAKER LOCATION	
DC	DIMMER CONTROL WIRING	ONE GANG ELECTRICAL BOX	IN BACKPAN OF LIGHTING EQUIPMENT RACK	
FB1	FLOOR BOX - LARGE, 12 GANG	6" DEEP		FSR FL-600
FB2	FLOOR BOX - MEDIUM, 10 GANG	6" DEEP		FSR FL-500
FF	FRONT FILL LOUDSPEAKER	FRAMED CAVITY IN WALL, NO BACK BOX	PER ARCHITECT	STUB CONDUIT INTO CAVITY
I	INTERCOM CONNECTION PANEL	ONE GANG ELECTRICAL BOX	PROJECT RECEPTACLE HEIGHT	
JB1	JUNCTION BOX FOR RACK WIRING	AS REQUIRED	ABOVE EQUIPMENT RACK	STAGE EQUIPMENT RACK
JB2	JUNCTION BOX FOR RACK WIRING	AS REQUIRED	ABOVE EQUIPMENT RACK	SOUND BOOTH EQUIPMENT RACK
JB3	JUNCTION BOX FOR RACK WIRING	AS REQUIRED	ABOVE EQUIPMENT RACK	
JB4	JUNCTION BOX FOR RACK WIRING	AS REQUIRED	ABOVE EQUIPMENT RACK	WEIGHT/CARDIO EQUIPMENT RACK
L	LINE OUTPUT PANEL	ONE GANG ELECTRICAL BOX	PROJECT RECEPTACLE HEIGHT	
L2	LINE OUTPUT PANEL	ONE GANG ELECTRICAL BOX	PROJECT RECEPTACLE HEIGHT	
LG	LOUDSPEAKER WIRING DEVICE	4" X 4" X 4" SURFACE MOUNT BOX	ABOVE LOUDSPEAKER LOCATION	
LR	LEFT/RIGHT LOUDSPEAKER CONNECTION	TWO GANG ELECTRICAL BOX	HIGH ON WALL	
M	MICROPHONE CONNECTION PANEL	ONE GANG ELECTRICAL BOX	PROJECT RECEPTACLE HEIGHT	
M4	MICROPHONE CONNECTION PANEL	TWO GANG ELECTRICAL BOX	PROJECT RECEPTACLE HEIGHT	
MD	MICROPHONE AND DIGITAL AUDIO CONNECTION PANEL	TWO GANG ELECTRICAL BOX	PROJECT RECEPTACLE HEIGHT	
MM	MONITOR MICROPHONE CONNECTION PANEL	ONE GANG ELECTRICAL BOX	ABOVE MICROPHONE LOCATION	
MX	MIX POSITION CONNECTION PANEL	12" x12" x 6" WALL BOX	PROJECT RECEPTACLE HEIGHT	
MXP	PROJECTION ROOM CONNECTION PANEL	12" X 12" X 4" WALL BOX	PROJECT RECEPTACLE HEIGHT	
OR	ORCHESTRA CONNECTION BOX	12" x 12" x 6" WALL BOX	PROJECT RECEPTACLE HEIGHT	
PF	PRESS FEED PANEL	ONE GANG ELECTRICAL BOX	PROJECT RECEPTACLE HEIGHT	
PL	PROGRAM LOUDSPEAKER	ONE GANG ELECTRICAL BOX	BEHIND LOUDSPEAKER	LOUDSPEAKER HEIGHT AS INDICATED ON SECTION. PROVIDE BLOCKING AS REQUIRED.
PS	PROJECTION SCREEN CONTROL CONNECTION	ONE GANG ELECTRICAL BOX	MOUNT TO SCREEN CASE	
R	RECORDING MICROPHONE CONNECTION	ONE GANG ELECTRICAL BOX	PROJECT RECEPTACLE HEIGHT	
R2	RECORDING MICROPHONE CONNECTION - DUAL	ONE GANG ELECTRICAL BOX		
R4	RECORDING MICROPHONE CONNECTION	TWO GANG ELECTRICAL BOX	PROJECT RECEPTACLE HEIGHT	
RC	CLASSROOM RACK CONNECTION PANEL	FOUR GANG ELECTRICAL BOX	PROJECT RECEPTACLE HEIGHT	
S	CEILING LOUDSPEAKER, FLUSH	CEILING LOUDSPEAKER		
S6	LARGE CEILING LOUDSPEAKER, FLUSH	LOUDSPEAKER-SPECIFIC BACK BOX		
S9	LARGE CEILING LOUDSPEAKER, FLUSH	LOUDSPEAKER-SPECIFIC BACK BOX		
SB	CEILING SUBWOOFER LOUDSPEAKER, FLUSH	LOUDSPEAKER-SPECIFIC BACK BOX		
SC	SCREEN CONTROL PANEL	ONE GANG ELECTRICAL BOX	PROJECT SWITCH HEIGHT	
SP	STAGE CONNECTION PANEL	12" X 12" X 4" WALL BOX	PROJECT RECEPTACLE HEIGHT	
SW	CEILING LOUDSPEAKER, FLUSH	LOUDSPEAKER-SPECIFIC BACK BOX		
USP	UPSTAGE CONNECTION PANEL	12" X 12" X 4" WALL BOX	PROJECT RECEPTACLE HEIGHT	
V	VOLUME CONTROL - DSP	ONE GANG ELECTRICAL BOX	PROJECT SWITCH HEIGHT	WITH PROTECTIVE COVER, PER DETAIL
VC	VOLUME CONTROL	ONE GANG ELECTRICAL BOX	PROJECT SWITCH HEIGHT	
VP	VIDEO PROJECTOR CONNECTION PANEL	THREE GANG ELECTRICAL BOX	AT OR ABOVE PROJECTOR LOCATION	
WA	WIRELESS MICROPHONE ANTENNA	ONE GANG ELECTRICAL BOX	PER ARCHITECT	
WBG	WALL BOX, GYM	8" x 8" x 6" WALL BOX RECESSED IN WALL	PROJECT RECEPTACLE HEIGHT	

AUDIOVISUAL SHEET LIST	
SHEET NUMBER	SHEET NAME
AV0.0	AUDIOVISUAL KEYS, NOTES AND SCHEDULES
AV0.1	AUDIOVISUAL CONDUIT RISERS
AV0.2	AUDIOVISUAL DETAILS
AV2.0A	AUDIOVISUAL DEVICE PLAN - GROUND LEVEL - PART A
AV2.0B	AUDIOVISUAL DEVICE PLAN - GROUND LEVEL - PART B
AV2.0C	AUDIOVISUAL DEVICE PLAN - GROUND LEVEL - PART C
AV2.1A	AUDIOVISUAL DEVICE PLAN - FIRST FLOOR - PART A
AV2.2A	AUDIOVISUAL DEVICE PLAN - SECOND FLOOR - PART A
AV3.0A	AUDIOVISUAL RCP - GROUND LEVEL - PART A
AV3.0B	AUDIOVISUAL RCP - GROUND FLOOR - PART B
AV3.0C	AUDIOVISUAL RCP - GROUND LEVEL - PART C
AV3.1A	AUDIOVISUAL RCP - FIRST FLOOR - PART A
AV3.2A	AUDIOVISUAL RCP - SECOND FLOOR - PART A
AV3.2B	AUDIOVISUAL RCP - SECOND FLOOR - PART B
AV4.1	AUDIOVISUAL - AUDITORIUM EQUIPMENT
AV4.2	AUDIOVISUAL - GYMNASIUM LOUDSPEAKERS
AV4.3	AUDIOVISUAL ELEVATIONS AND SECTIONS
AV4.4	AUDIOVISUAL LOUDSPEAKER DETAILS
AV5.0	AUDIOVISUAL DIAGRAM KEY AND DETAILS
AV5.1	AUDIOVISUAL FUNCTIONAL DIAGRAM - AUDITORIUM
AV5.2	AUDIOVISUAL FUNCTIONAL DIAGRAM - AUDITORIUM
AV5.3	AUDIOVISUAL FUNCTIONAL DIAGRAMS - AUDITORIUM
AV5.4	AUDIOVISUAL FUNCTIONAL DIAGRAMS - AUDITORIUM
AV5.5	AUDIOVISUAL FUNCTIONAL DIAGRAM - TOWN SQUARE
AV5.6	AUDIOVISUAL FUNCTIONAL DIAGRAM - GYM
AV5.7	AUDIOVISUAL FUNCTIONAL DIAG. - CLASSROOM & CARDIO
AV6.1	AUDIOVISUAL RACK ELEVATIONS
AV6.2	AUDIOVISUAL PLATE AND PANEL DETAILS
AV6.3	AUDIOVISUAL PLATE AND PANEL DETAILS

AUDIOVISUAL POWER REQUIREMENTS					
LOCATION	SERVING	IG RECEPTACLES	NON-IG RECEPTACLE	20A CIRCUITS	NOTES
AUDITORIUM AV ROOM	AV EQUIPMENT RACKS	4		4	L5-20 OUTLETS MOUNTED TO CABLE TRAY ABOVE RACKS
AUDITORIUM STAGE	AV EQUIPMENT	5		1	ADJACENT TO SP AND USP DEVICES
AUDITORIUM STAGE APRON	AV EQUIPMENT	5		1	EVENLY SPACED ON STAGE APRON
AUDITORIUM STAGE	FLOOR BOXES	1		1	MOUNTED IN FLOOR BOX
AUDITORIUM SOUND ROOM	AV EQUIPMENT RACK	3		3	MOUNT IN BACKPAN OF RACK
AUDITORIUM SOUND ROOM	AV EQUIPMENT	2		1	UNDER COUNTER
AUDITORIUM SEATING	AV EQUIPMENT	3		1	HOUSE REAR AND CENTER
AUDITORIUM CAMERA LOCATIONS	PTZ CAMERAS	3		1	ADJACENT TO CA DEVICES
AUDITORIUM PROJECTION ROOM	AV EQUIPMENT	3		1	UNDER COUNTER
AUDITORIUM PROJECTION SCREEN	PROJECTION SCREEN		1	1	FLEXIBLE WHIP TO PROJECTION SCREEN CASE
AUDITORIUM REAR	VIDEO PROJECTOR	1		1	ADJACENT TO VP DEVICE
TOWN SQUARE	AV EQUIPMENT	1		1	ADJACENT TO AV DEVICE
GYM STORAGE	AV EQUIPMENT RACK	4		4	MOUNT IN BACKPAN OF RACK
GYMNASIUM	AV EQUIPMENT	5		1	ADJACENT TO BCP AND WBG DEVICES
WEIGHT/CARDIO ROOM	AV EQUIPMENT RACK	2		2	MOUNT IN BACKPAN OF RACK
MUSIC CLASSROOM	AV EQUIPMENT	1		1	ADJACENT TO RC DEVICE
KEYBOARDING CLASSROOM	AV EQUIPMENT	1		1	ADJACENT TO RC DEVICE
BAND CLASSROOM	AV EQUIPMENT	1		1	ADJACENT TO RC DEVICE

PROJECTION SCREEN SCHEDULE				
LOCATION	IMAGE HEIGHT	IMAGE WIDTH	TOP BLACK DROP LENGTH	SCREEN MATERIAL
Motorized Large Venue Projection Screen				
AUDITORIUM	146"	259 1/2"	46"	PER SPEC
GYMNASIUM	120"	213 1/4"	6"	PER SPEC

AUDIOVISUAL EQUIPMENT RACK SCHEDULE				
LOCATION	HEAT LOAD, ACTIVE (BTU)	HEAT LOAD, STANDBY (BTU)	DESCRIPTION	COMMENTS
BAND CLASSROOM	1,500	1,000	ROLLING EQUIPMENT RACK	
KEYBOARDING CLASSROOM	1,500	1,000	ROLLING EQUIPMENT RACK	
MUSIC CLASSROOM	1,500	1,000	ROLLING EQUIPMENT RACK	
GYM STORAGE	5,000	3,000	19" PIVOTING EQUIPMENT RACK	SERVES BOTH GYMS
AUDITORIUM AV ROOM	6,000	3,500	19" GANGABLE EQUIPMENT RACK	
AUDITORIUM AV ROOM	6,000	3,500	19" GANGABLE EQUIPMENT RACK	
AUDITORIUM - STAGE LEFT	2,000	2,000	19" PIVOTING EQUIPMENT RACK	
AUDITORIUM SOUND ROOM	5,000	3,000	19" PIVOTING EQUIPMENT RACK	SERVES AUDITORIUM AND TOWN SQUARE
WEIGHT/CARDIO	3,000	1,500	19" PIVOTING EQUIPMENT RACK	

AUDIOVISUAL CONDUIT SEPARATION DISTANCES...					
GROUP	SIGNALS TYPES	GROUP A	GROUP B	GROUP C	GROUP D
A	MICROPHONE	ADJAC...	6"	18"	12"
B	LINE LEVEL ANALOG...	6"	ADJACE...	12"	12"
C	LOUDSPEAKER LEVEL	18"	12"	ADJACENT	3"
D	DATA, CONTROL,...	12"	12"	3"	ADJACENT
120VAC POWER		24"	18"	9"	9"
277VAC POWER		38"	24"	12"	12"
DIMMED POWER		36"	24"	12"	12"
NON-AV LOW-VOLTAGE		12"	6"	ADJACENT	ADJACENT

ELECTRICAL NOTES

- ALL CONDUIT TO BE FERROUS METAL (E.G., STEEL). ALL CONDUIT IN PLENUM SPACES TO BE RIGID STEEL CONDUIT RUN IN AND BELOW CONCRETE SLABS ON GRADE TO BE PVC COATED STEEL.
- ALL CONDUIT TO BE HOME RUNS TO JUNCTION BOXES UNLESS OTHERWISE NOTED.
- INTERMEDIATE MARSHALLING BOXES FOR THE GROUPING OF HOME RUN CONDUITS BY CONDUIT GROUP ARE ACCEPTABLE. CONTRACTOR RESPONSIBLE FOR MAINTAINING CONDUIT CAPACITY AND PULL BOX SIZE. USE 30% FILL FOR CONDUIT SIZE CALCULATIONS.
- FOR FLUSH-MOUNTED GANG BOXES USE RACO 3-1/2" DEEP STEEL BACK BOXES OR EQUAL.
- FOR SURFACE- AND PIPE-MOUNTED GANG BOXES USE FSR SMMWB, LEVITON BKBOX SERIES SURFACE MOUNT POWDER-COATED STEEL BOX OR EQUAL BY ELECTRONIC THEATRE CONTROLS.
- USE SEPARATE STEEL CONDUITS FOR MICROPHONE-LEVEL CIRCUITS (BELOW -20 DBM), LINE-LEVEL CIRCUITS (UP TO +30 DBM), LOUDSPEAKER CIRCUITS (ABOVE +30 DBM), CONTROL CIRCUITS, DATA CIRCUITS, VIDEO CIRCUITS AND POWER CIRCUITS. USE AUDIO CONDUIT THAT IS SPACED AT LEAST 12 INCHES AWAY FROM POWER CONDUIT. INSULATE ALL CONDUIT FROM THE EQUIPMENT RACK(S); GROUND CONDUIT ONLY TO POWER SYSTEM GROUND. DO NOT SPLICE LINES IN CONDUIT. CONNECT EACH INPUT RECEPTACLE BY AN INDIVIDUAL, INSULATED LINE TO THE SYSTEM EQUIPMENT RACK.
- GROUP D CONDUITS WITH CATEGORY CABLE MAXIMUM RUN: 300 FEET.
- CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS AND CONDUIT SIZE.
- PROVIDE ALL EMPTY CONDUITS WITH PULL-STRINGS.
- PROVIDE PULL BOX AFTER 180 DEGREES OF CONDUIT BEND.
- ELECTRICAL CONTRACTOR TO PROVIDE ALL STANDARD ELECTRICAL BACK BOXES AND FLOOR BOXES.
- AUDIOVISUAL CONTRACTOR TO PROVIDE CUSTOM AUDIOVISUAL FACEPLATES.
- REFERENCE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.

ELECTRICAL DEVICE KEY

GENERAL NOTE: SUBSCRIPT AT RECEPTACLE INDICATES CIRCUIT ASSIGNMENT; DO NOT SHARE CIRCUITS BETWEEN ROOMS, AND DO NOT SHARE WITH OTHER LOADS UNLESS INDICATED. WHERE CIRCUIT ASSIGNMENT IS INDICATED, FEED CIRCUITS WITHIN A ROOM FROM A COMMON PANEL AND FROM A COMMON PHASE IN THAT PANEL. WHERE SUBSCRIPT NOT SHOWN, ASSIGN CIRCUITS PER CODE REQUIREMENTS.

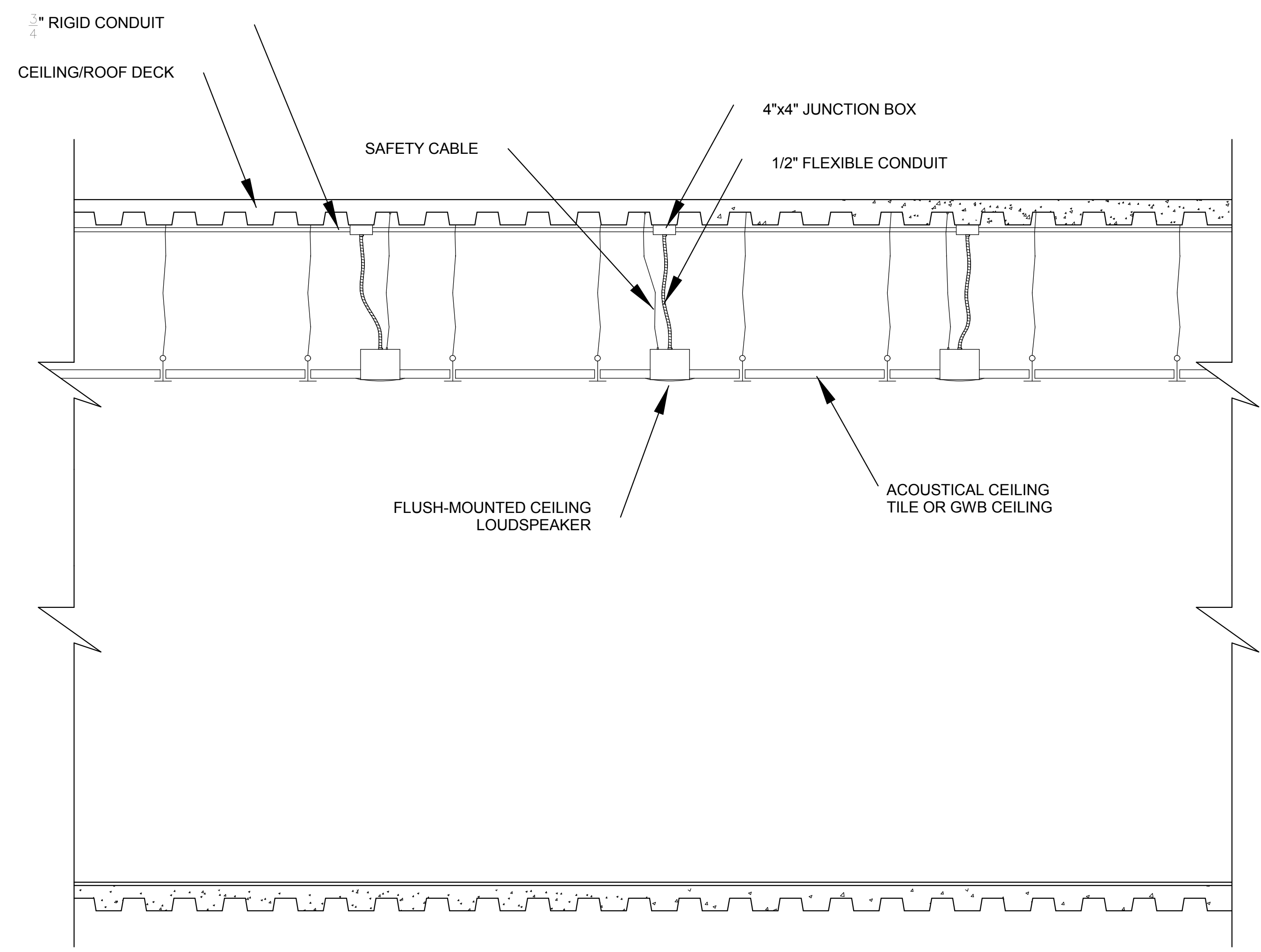
- DUPLEX 120VAC 20A 5-20 RECEPTACLE FLUSH MOUNTED IN WALL AT STANDARD RECEPTACLE HEIGHT UNLESS OTHERWISE INDICATED.
- QUAD 120VAC 20A 5-20 RECEPTACLE FLUSH MOUNTED IN WALL AT STANDARD RECEPTACLE HEIGHT UNLESS OTHERWISE INDICATED.
- SINGLE NEMA TYPE L5-20 120VAC 20A TWIST-LOCK RECEPTACLE MOUNTED AT PROJECT RECEPTACLE HEIGHT, UNLESS OTHERWISE NOTED.
- DUPLEX 120VAC 20A 5-20 RECEPTACLE FLUSH MOUNTED IN CEILING.
- QUAD 120VAC 20A 5-20 RECEPTACLE FLUSH MOUNTED IN CEILING.
- SINGLE NEMA TYPE L5-20 120VAC 20A TWIST-LOCK RECEPTACLE MOUNTED IN CEILING.
- FLEXIBLE CONNECTION TO 120VAC SERVICE. CIRCUIT PER CODE REQUIREMENTS.
- RAISED FLOOR GROMMET FOR AUDIOVISUAL CABLE PATHWAY, SIZE AS REQUIRED
- PROJECTION SCREEN UP/DOWN SWITCH, 120V

AUDIOVISUAL DEVICE LEGEND

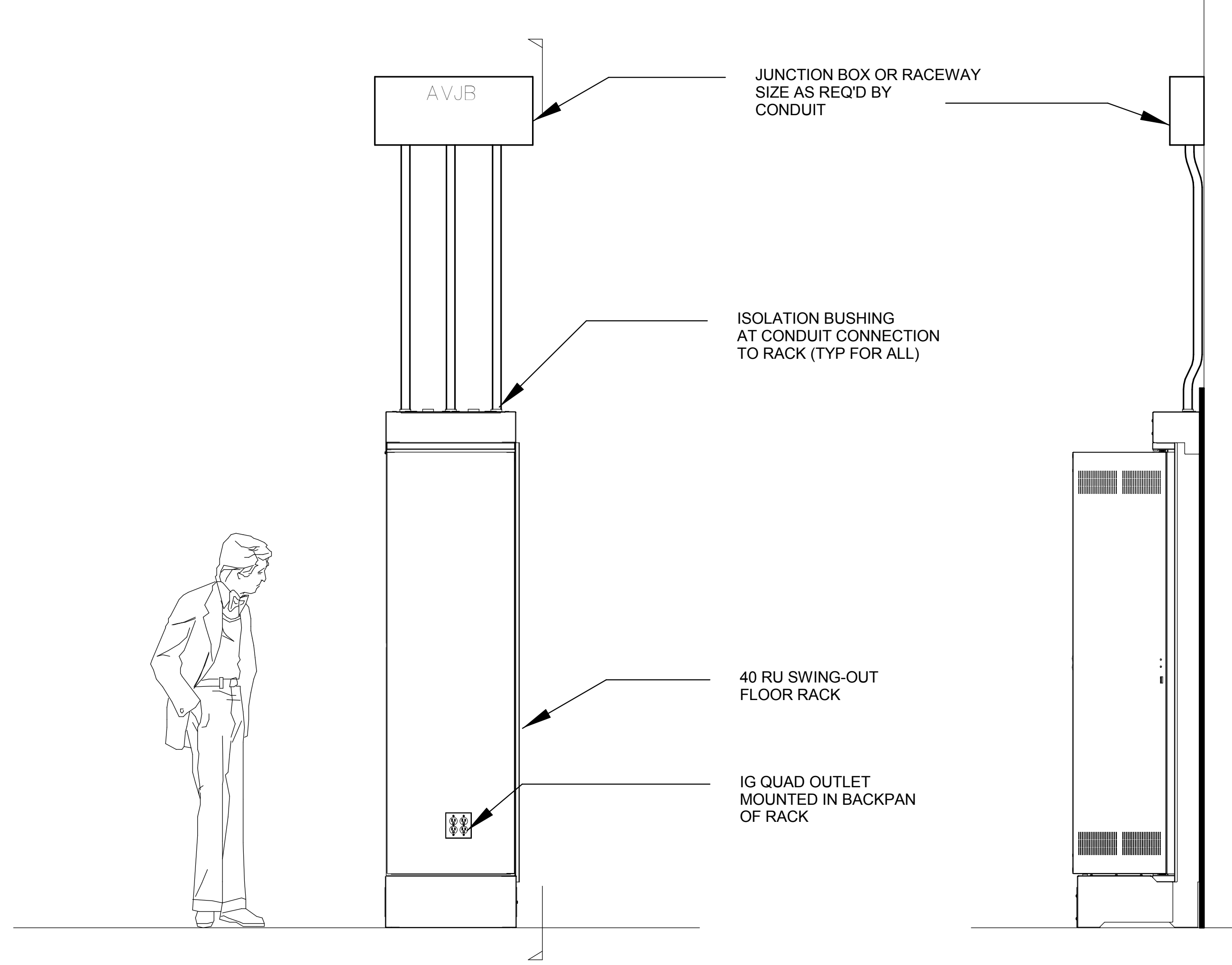
- AUDIOVISUAL DEVICE WITH POWER AND DATA DEVICES MOUNTED ADJACENT TO AUDIOVISUAL DEVICE
- AUDIOVISUAL DEVICE WITH DATA DROP WITHIN AUDIOVISUAL DEVICE BOX
- FLOOR MOUNTED DEVICE
- WALL MOUNTED DEVICE, FLUSH
- WALL MOUNTED DEVICE, SURFACE
- CEILING MOUNTED DEVICE SUBSCRIPT INDICATES ZONE
- VIDEO PROJECTOR
- ELECTRIC, ROLL-DOWN FRONT PROJECTION SCREEN, IMAGE SIZE INDICATED
- MANUAL ROLL-DOWN FRONT PROJECTION SCREEN, IMAGE SIZE INDICATED
- STATIC FRONT PROJECTION SCREEN IMAGE SIZE INDICATED
- FLAT PANEL DISPLAY NOMINAL DIAGONAL IMAGE SIZE INDICATED
- VIDEO CAMERA, WALL MOUNTED
- AUDIOVISUAL EQUIPMENT RACK

AUDIOVISUAL DEVICE KEY NOTES

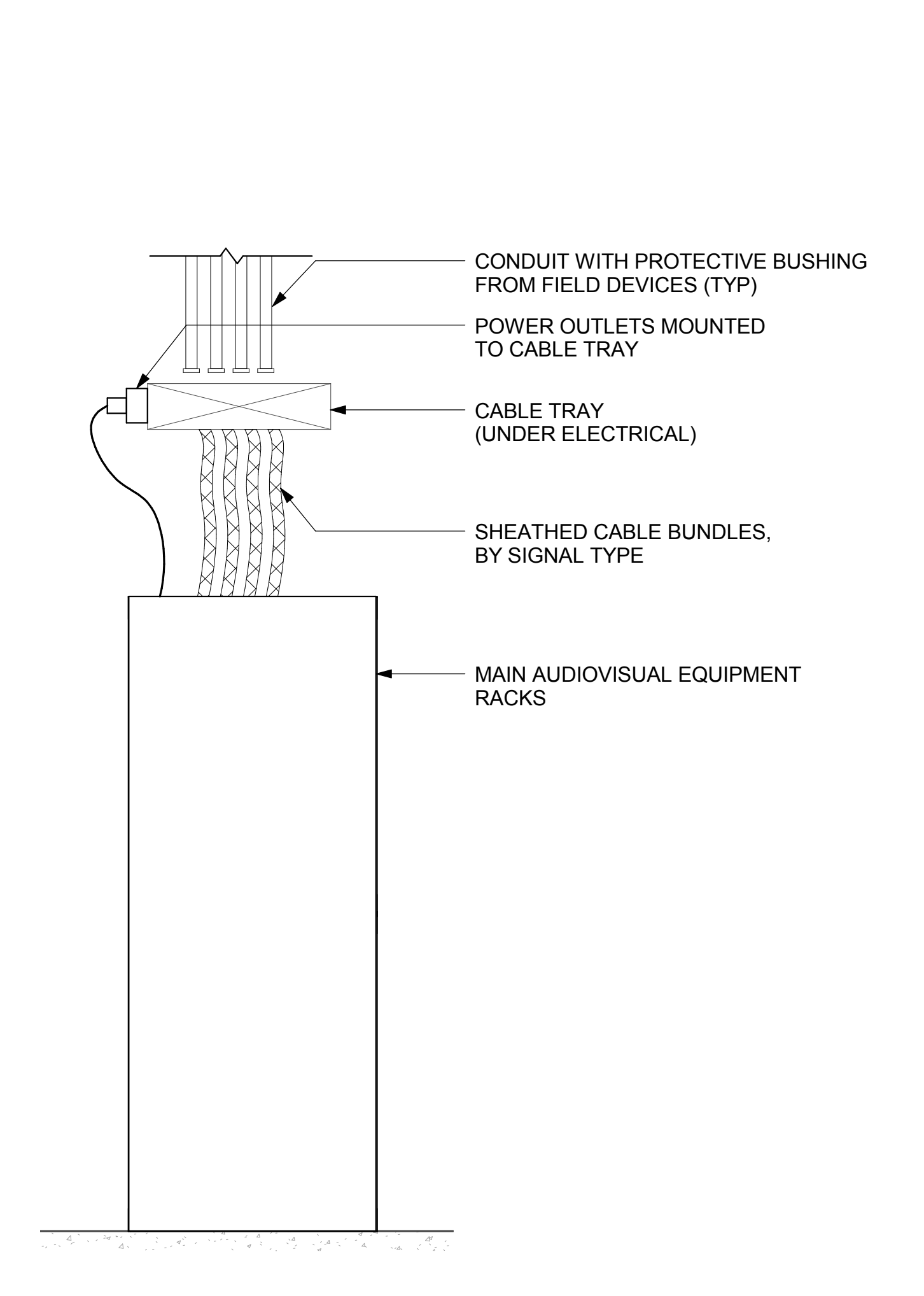
- ABBREVIATIONS
P.S.H. = PROJECT SWITCH HEIGHT
P.R.H. = PROJECT RECEPTACLE HEIGHT



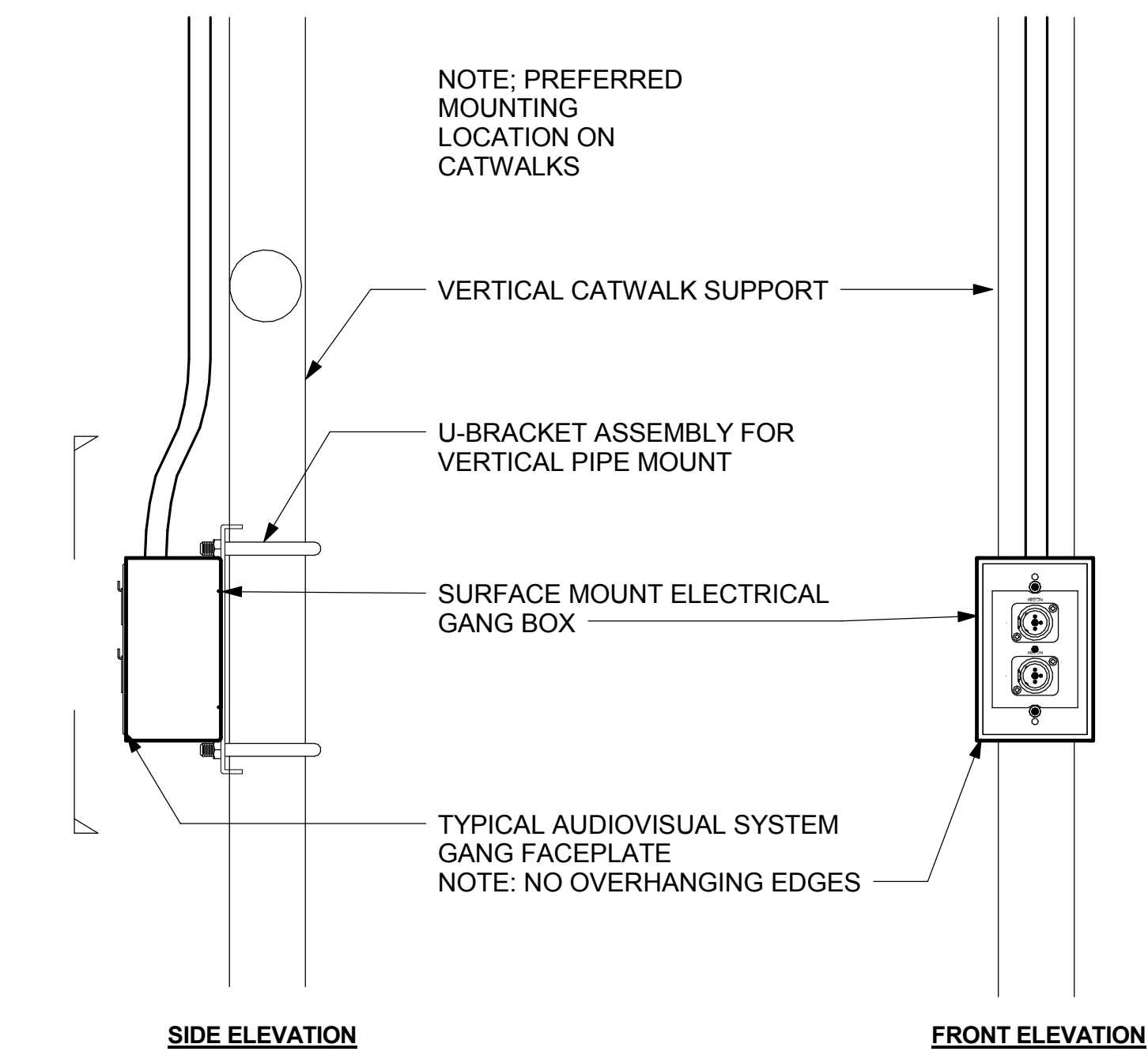
1 CEILING MOUNT LOUDSPEAKER DETAIL
3/4" = 1'-0"



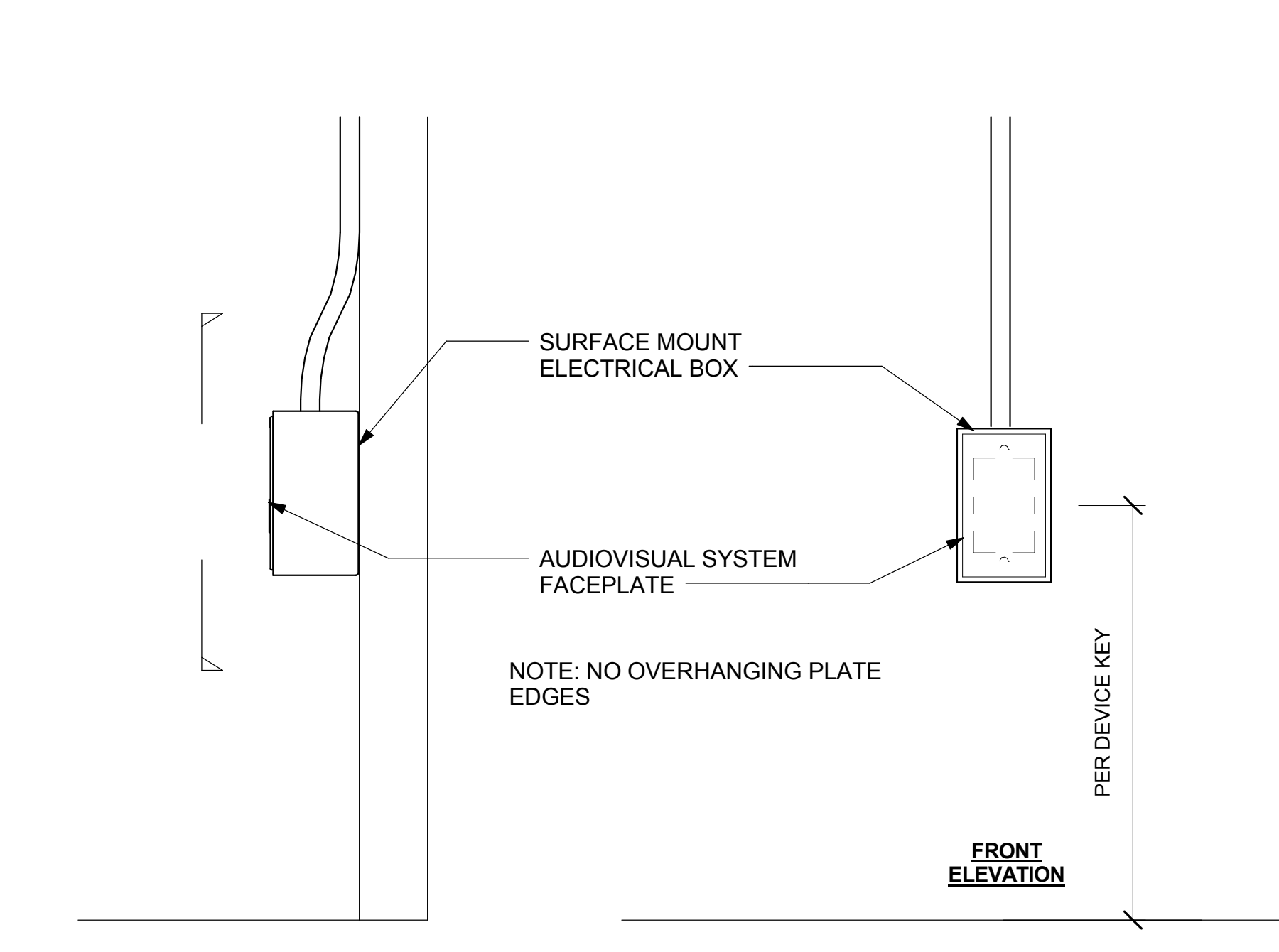
2 FLOOR-MOUNTED SWING-OUT EQUIPMENT RACK DETAIL
3/4" = 1'-0"



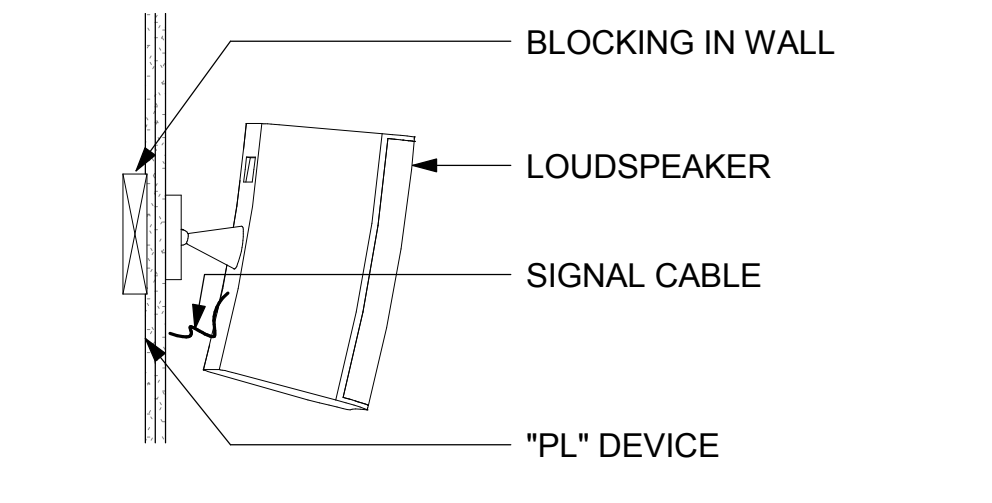
3 AUDITORIUM MAIN EQUIPMENT RACK DETAIL
3/4" = 1'-0"



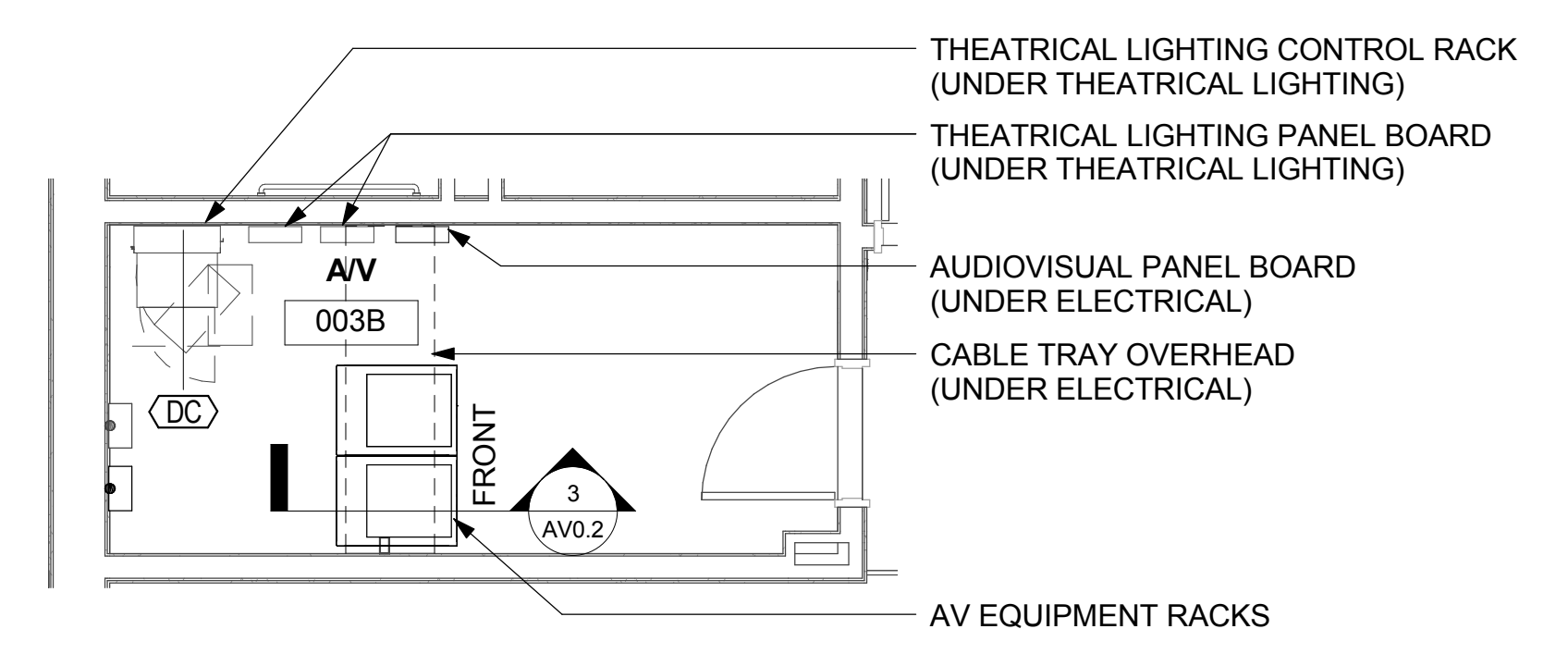
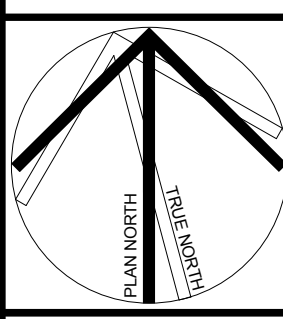
4 MOUNTING DETAIL - VERTICAL PIPE MOUNT DEVICE
3" = 1'-0"



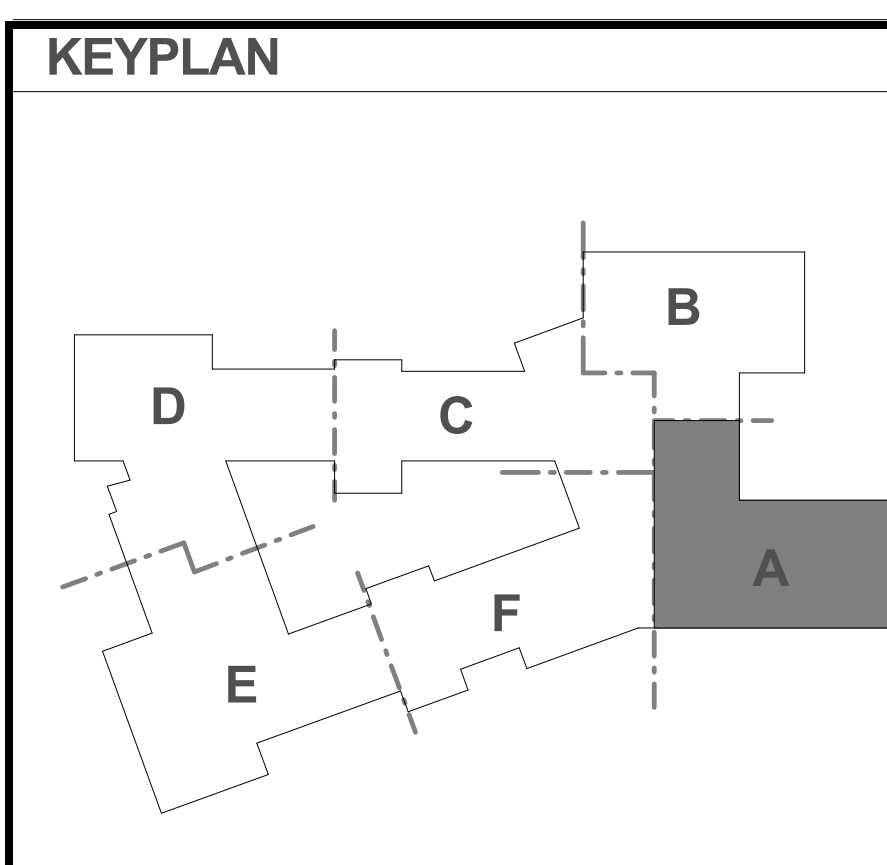
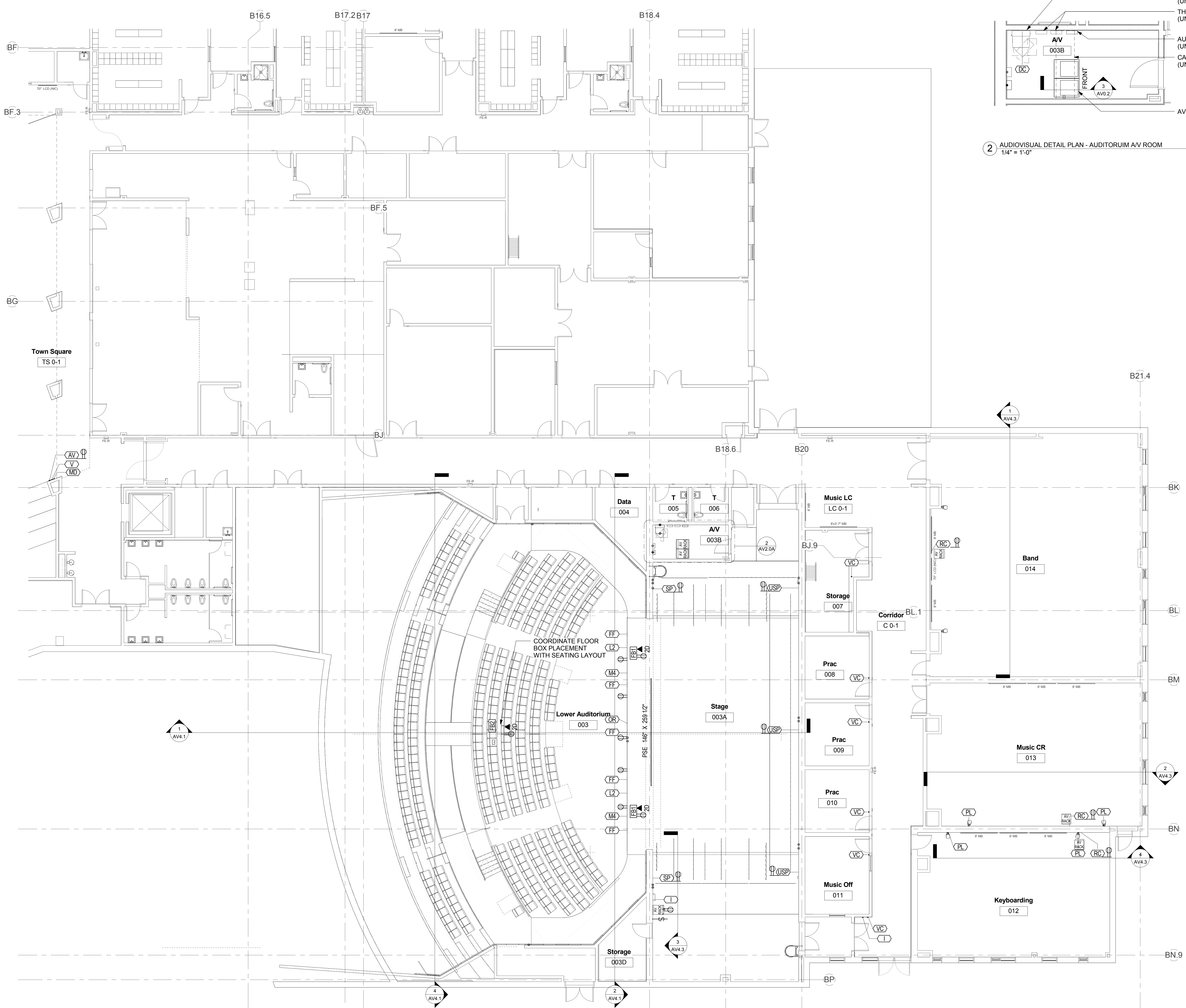
5 MOUNTING DETAIL - SURFACE MOUNT DEVICE
3" = 1'-0"



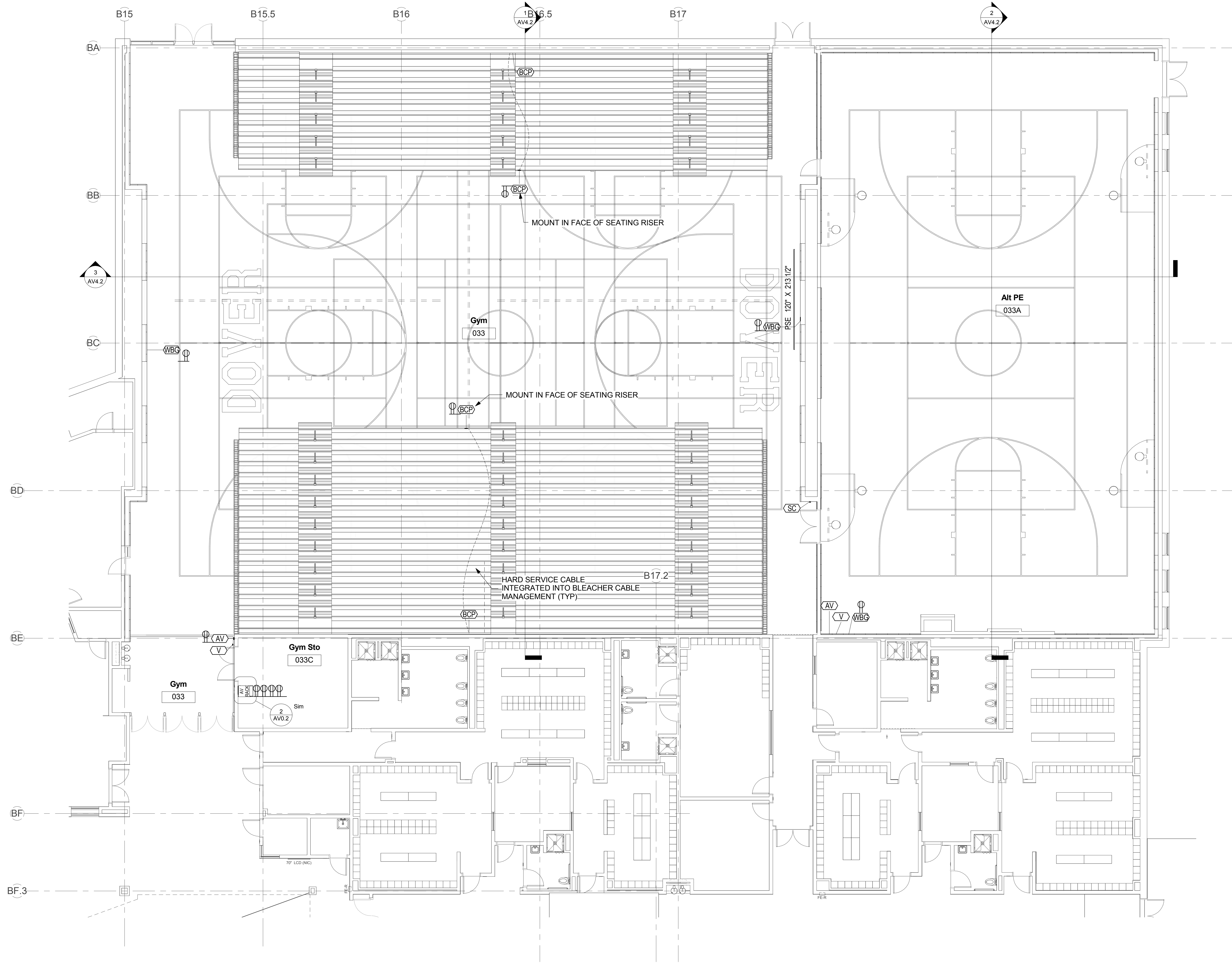
6 CLASSROOM WALL LOUDSPEAKER MOUNTING DETAIL
1" = 1'-0"



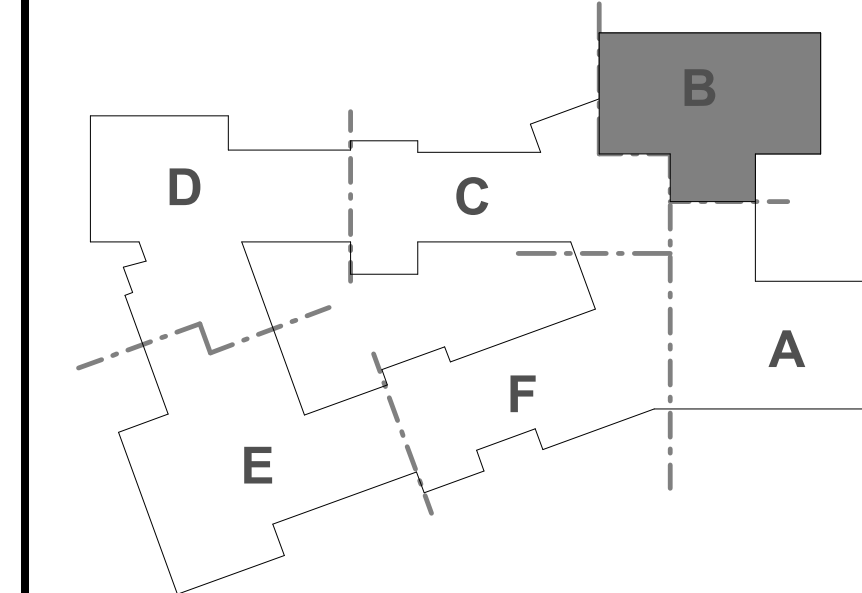
2 AUDIOVISUAL DETAIL PLAN - AUDITORIUM AV ROOM
1/4" = 1'-0"



1 AUDIOVISUAL PLAN - GROUND LEVEL - PART A
1/8" = 1'-0"



KEYPLAN

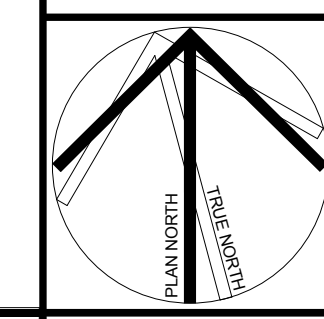


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**AUDIOVISUAL DEVICE PLAN -
 GROUND LEVEL - PART B**
 SCALE: 1/8" = 1'-0" DRAWN BY: Admin CHECKED BY: Checker

DRAWING NUMBER
AV2.0B

JOB NUMBER 403114

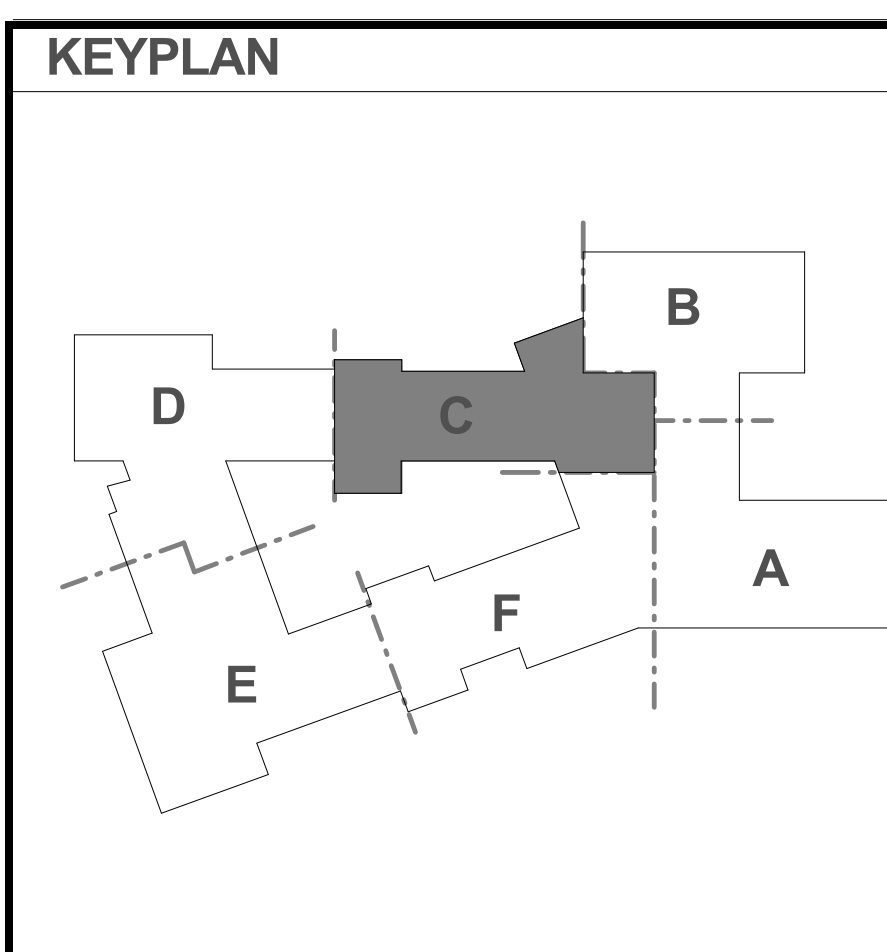
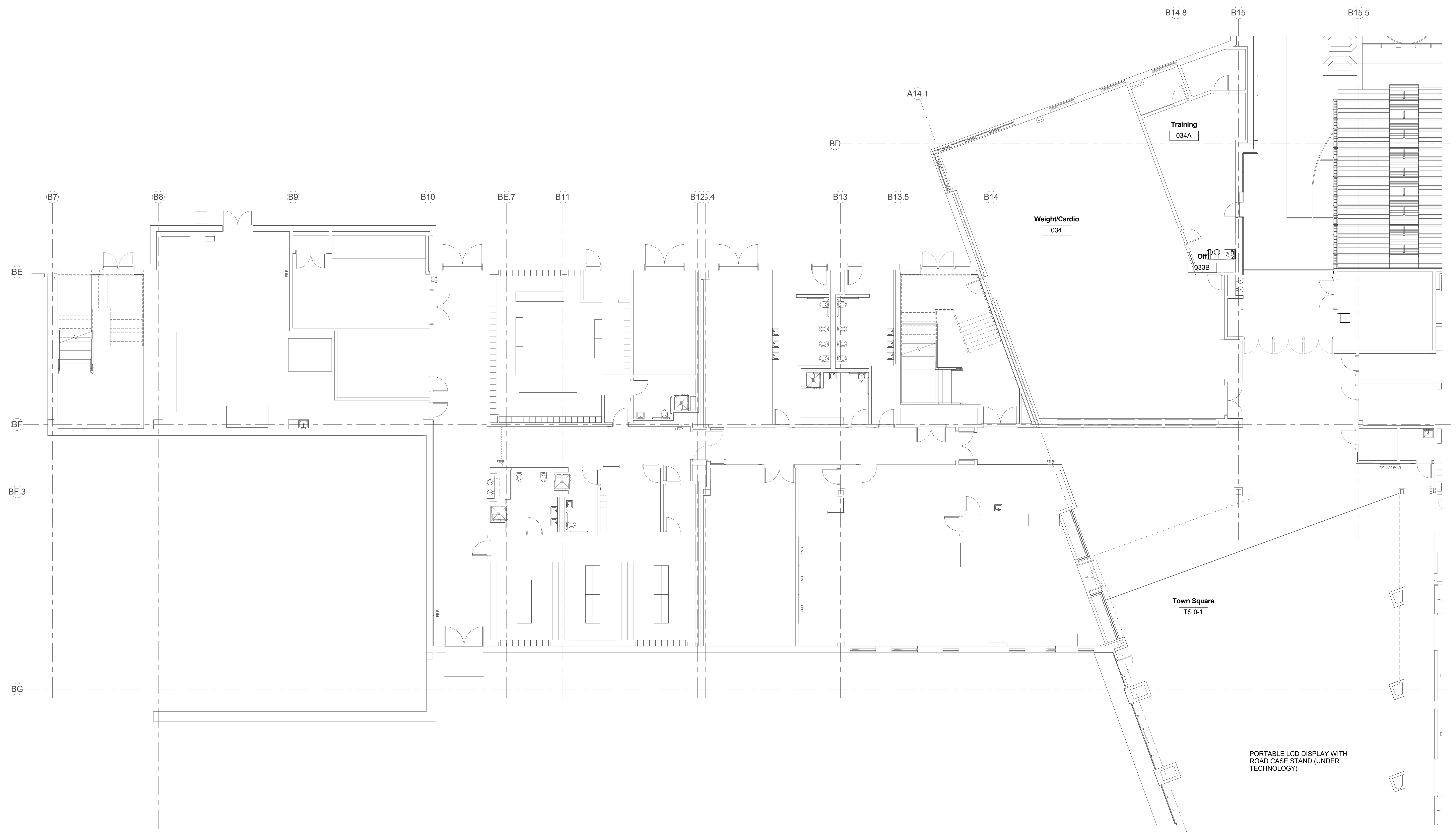
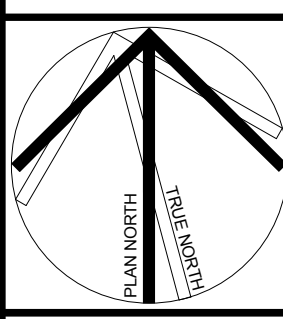
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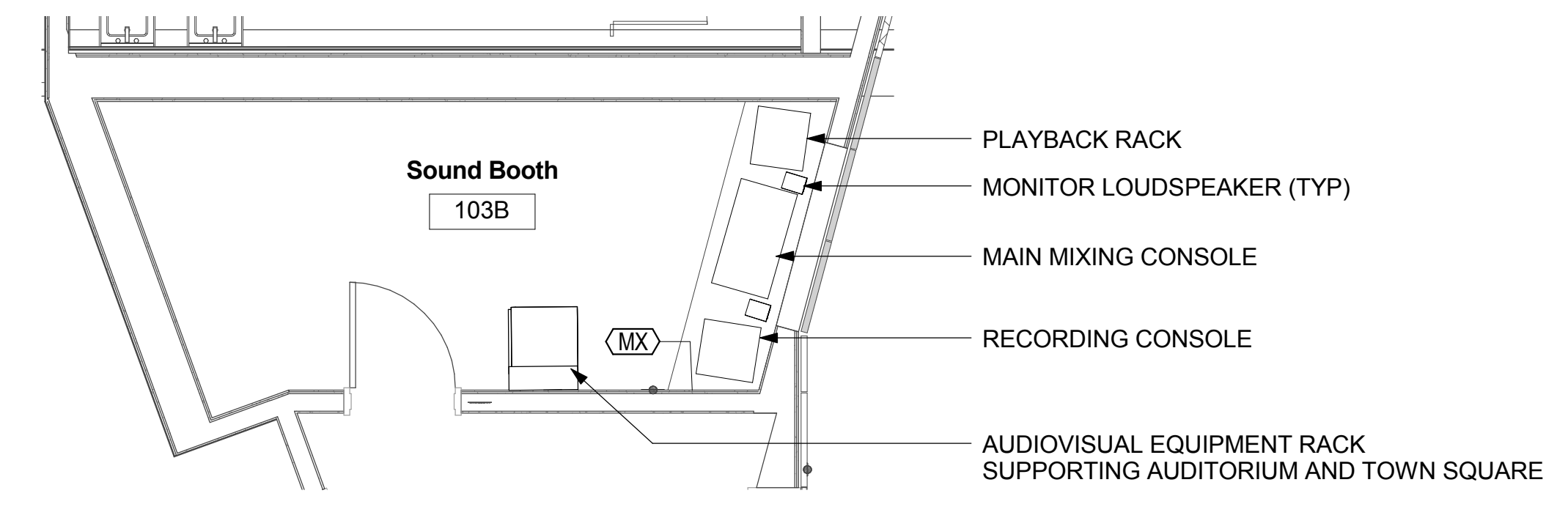
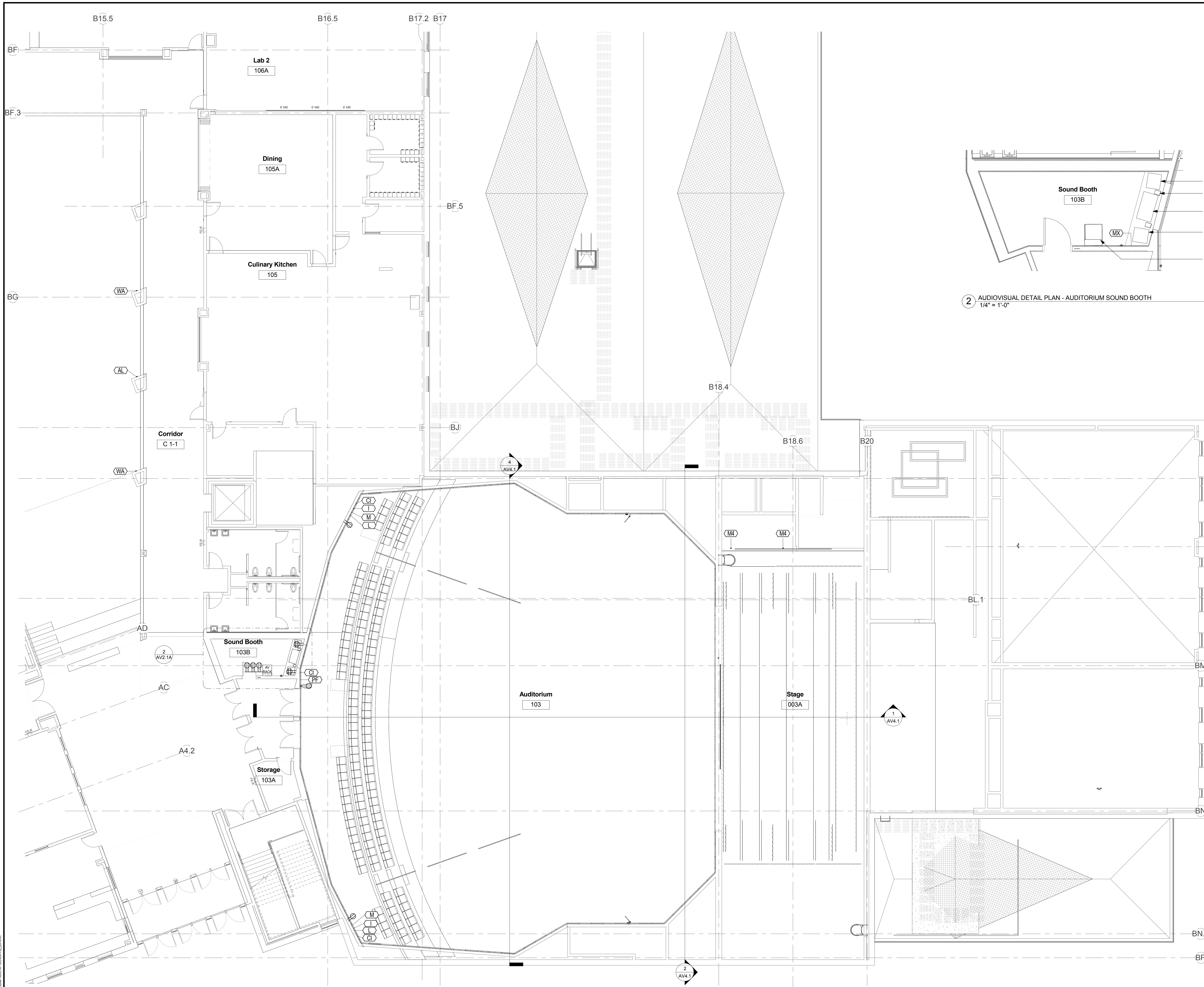


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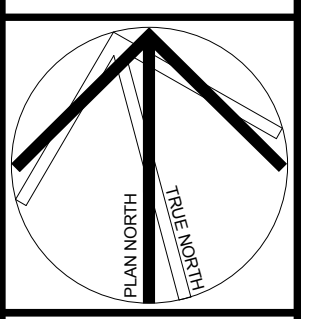
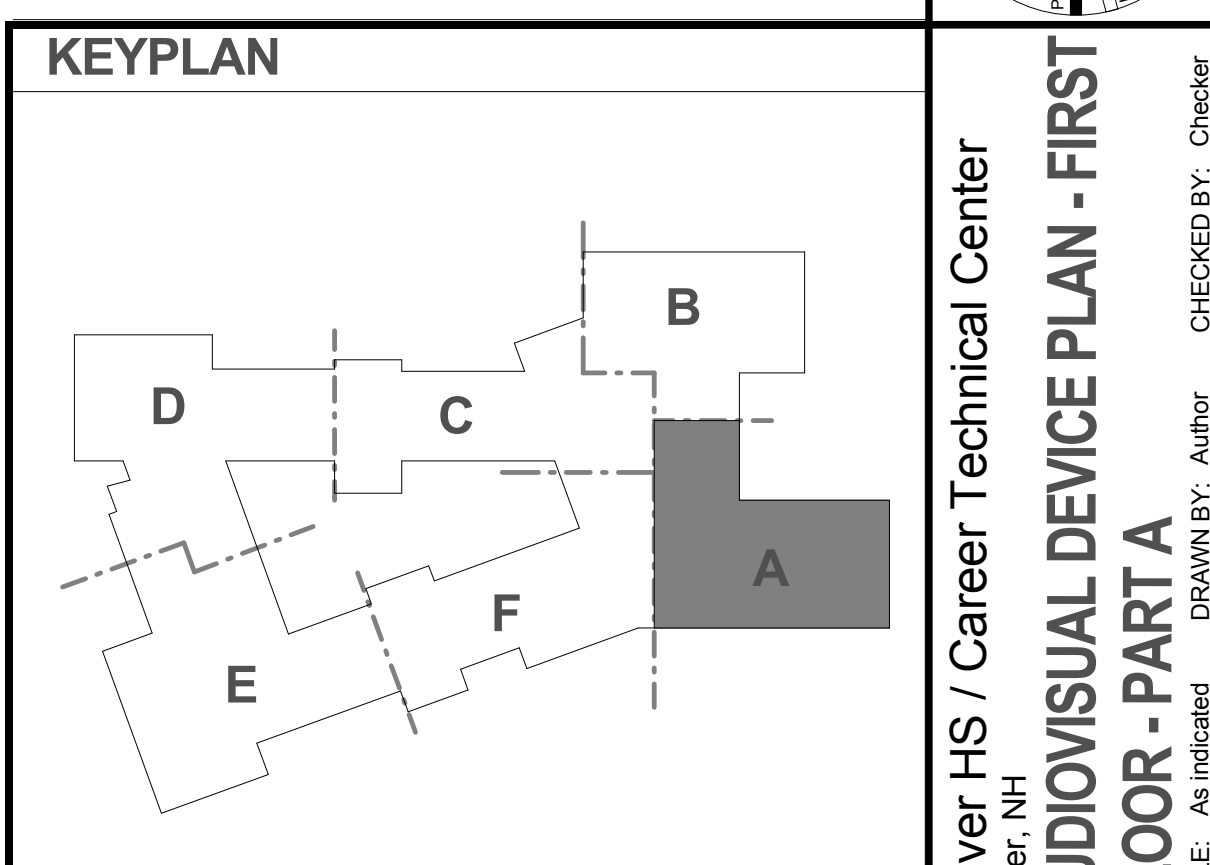
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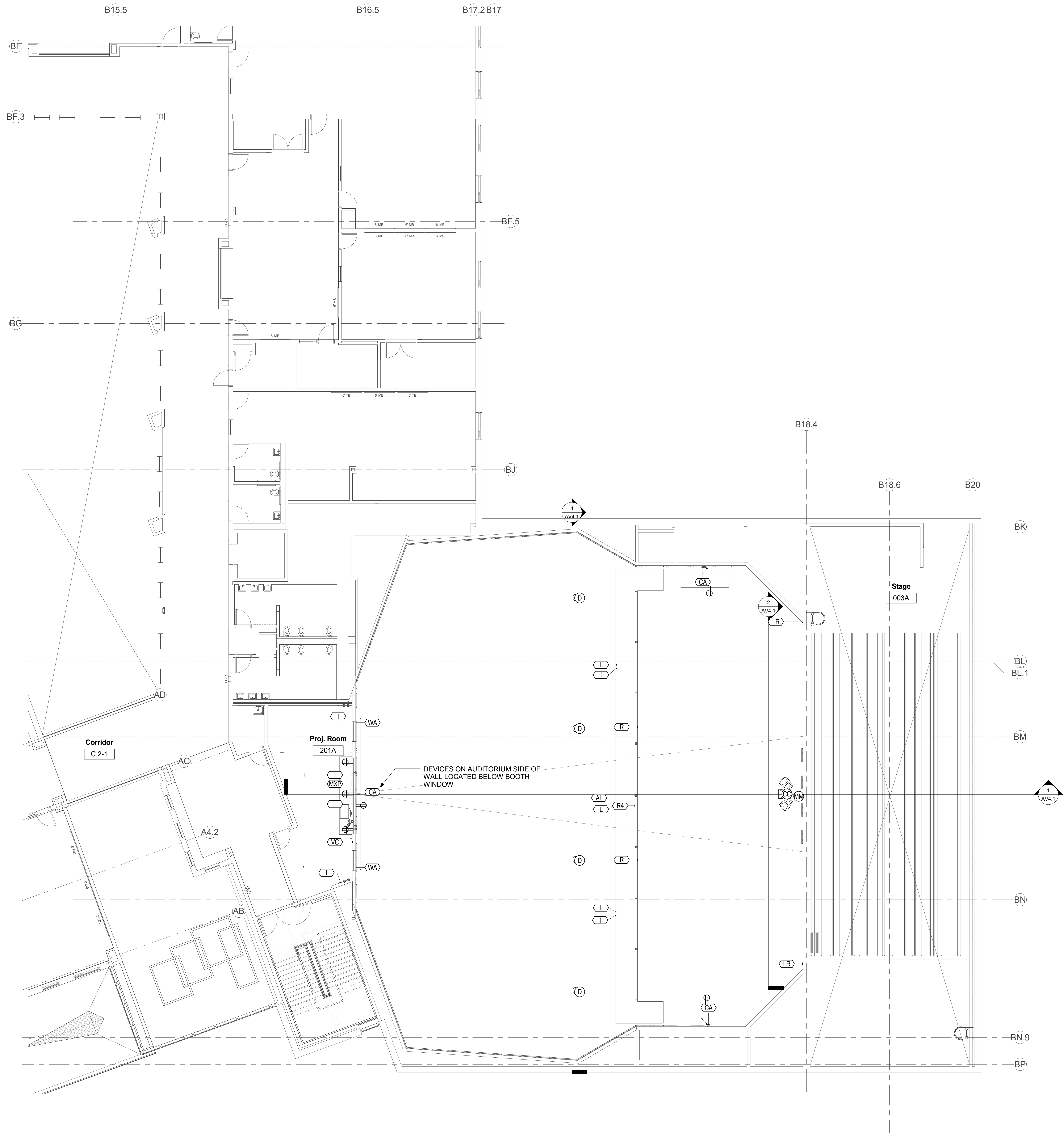




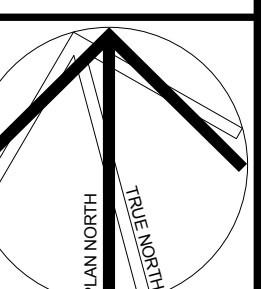
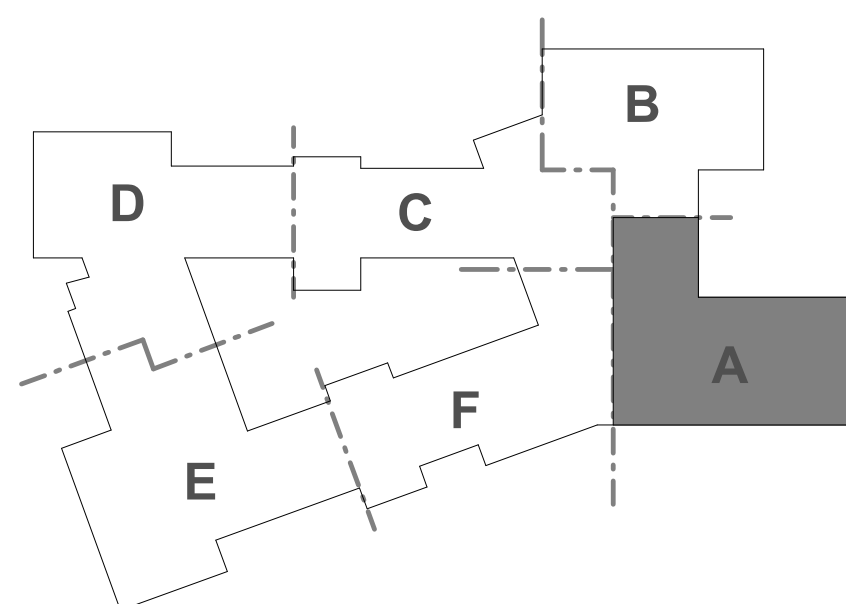
2 AUDIOVISUAL DETAIL PLAN - AUDITORIUM SOUND BOOTH
1/4" = 1'-0"

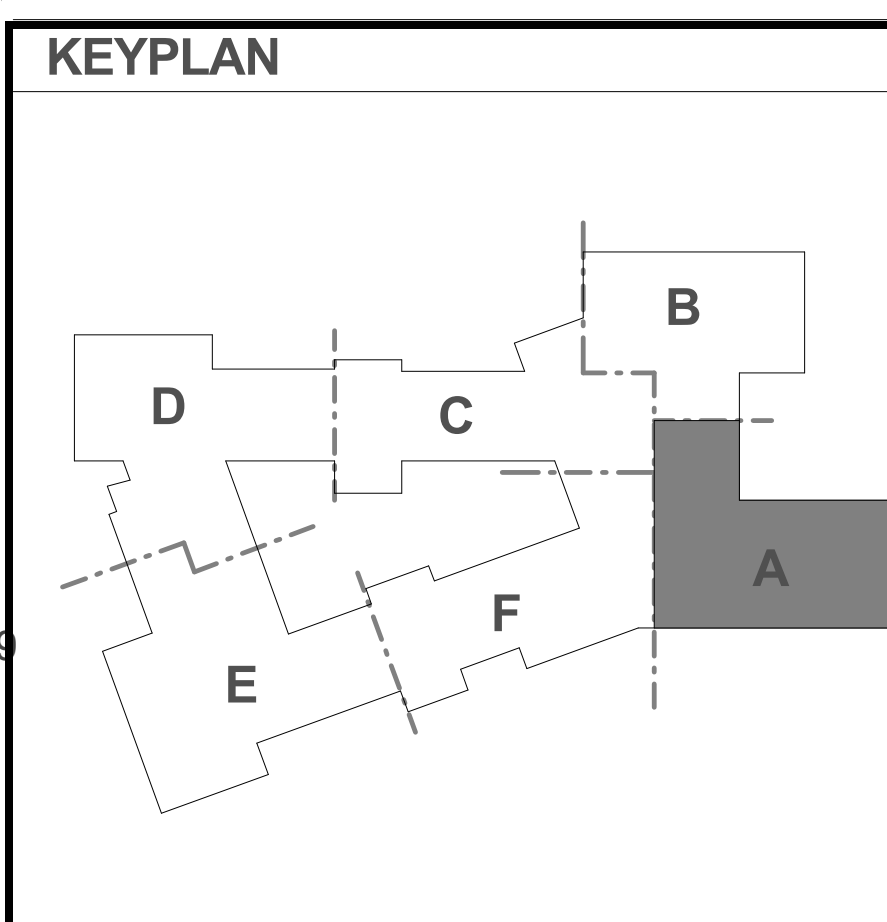
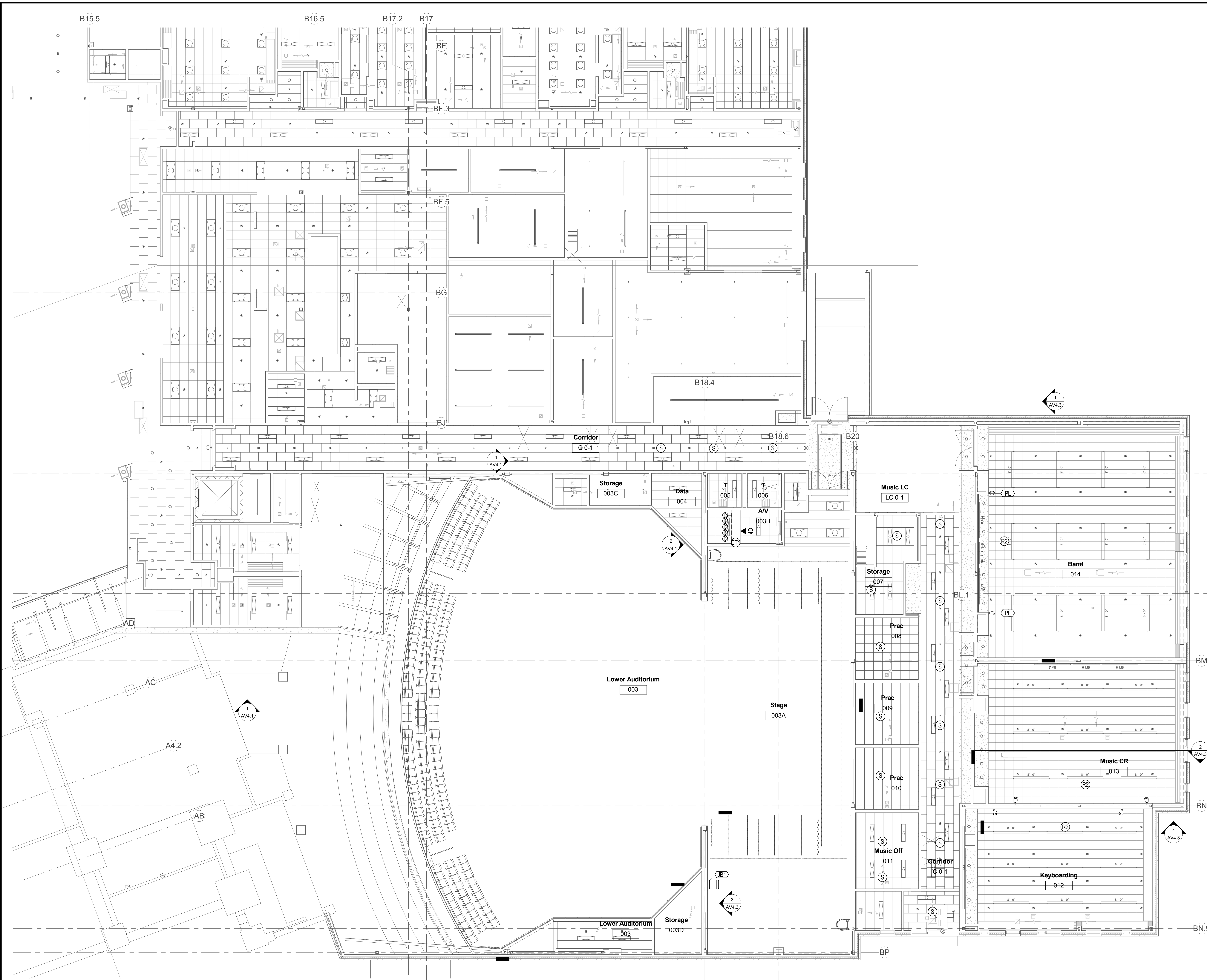
1 AUDIOVISUAL PLAN - FIRST FLOOR - PART A
1/8" = 1'-0"





KEYPLAN





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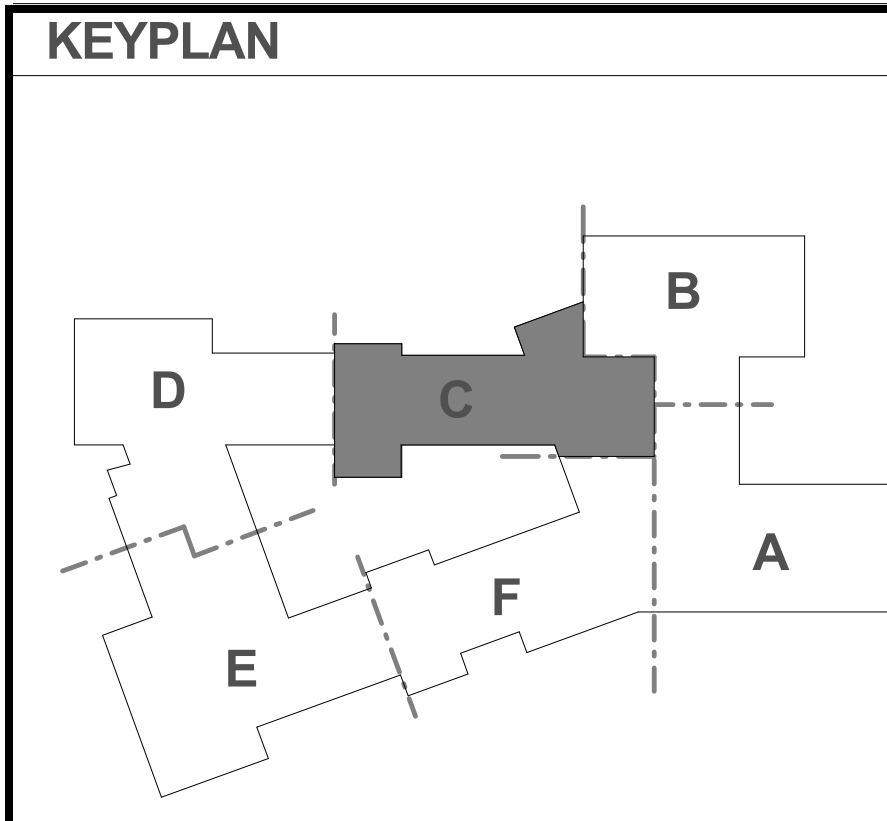
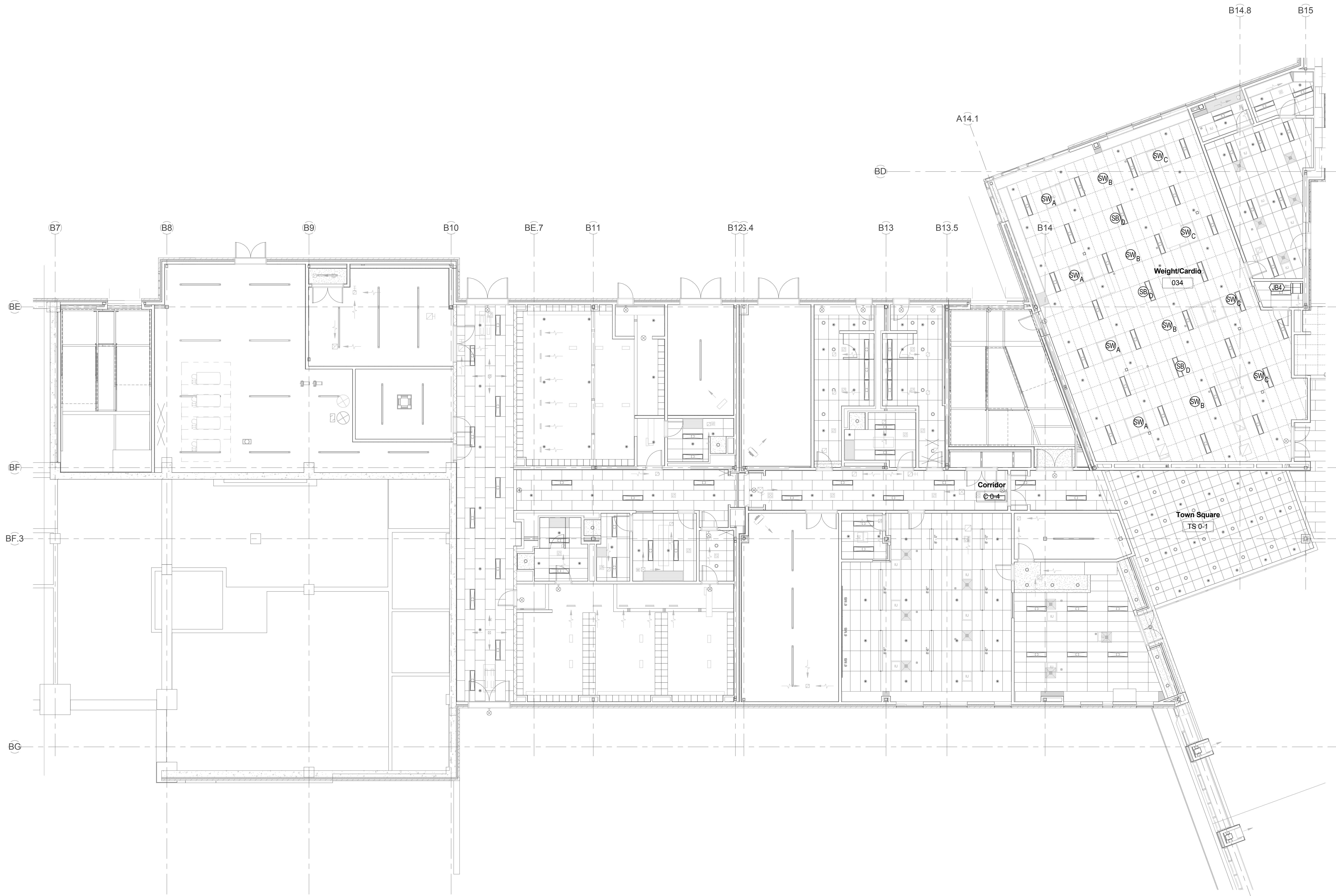
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AUDIOVISUAL RCP - GROUND
LEVEL - PART A
SCALE: 1/8" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

AV3.0A

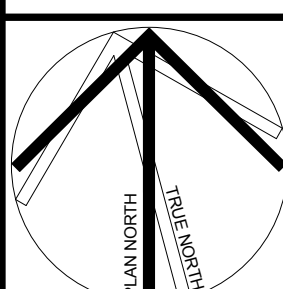
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**AUDIOVISUAL RCP - GROUND
 LEVEL - PART C**
 SCALE: 1/8" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
AV3.00
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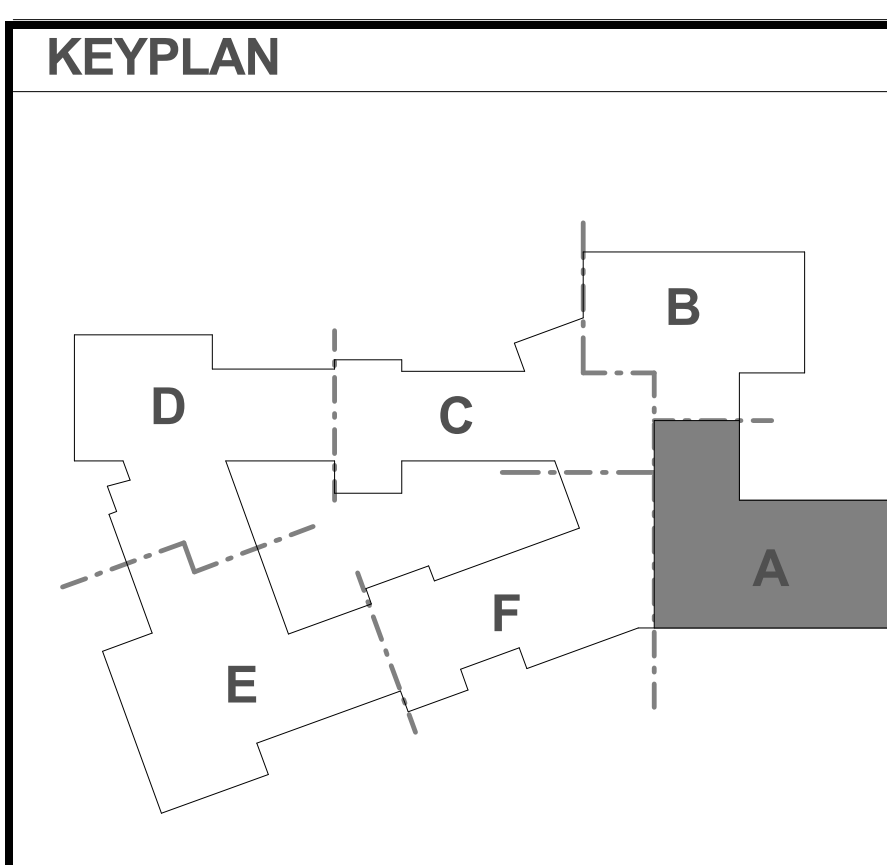
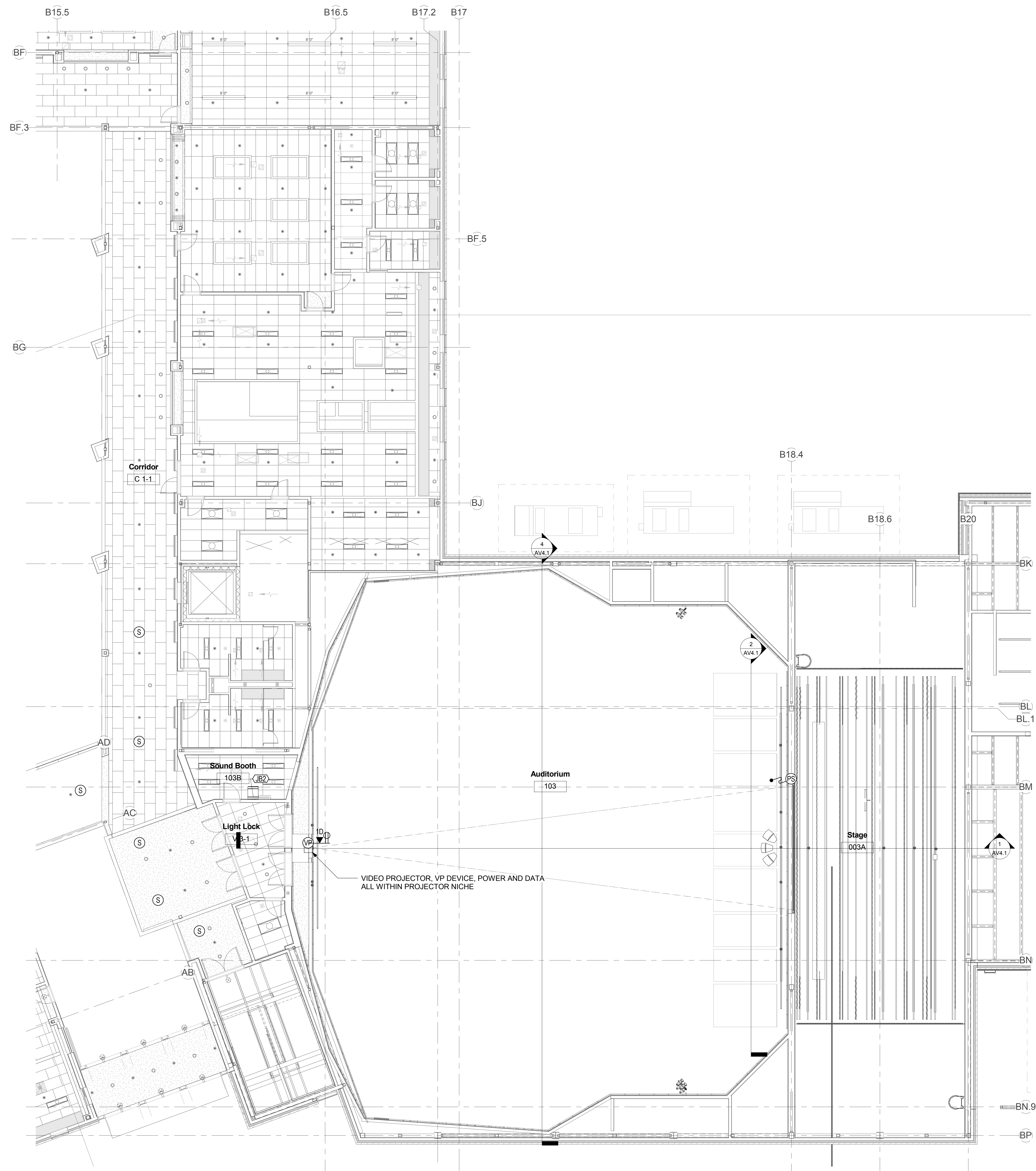
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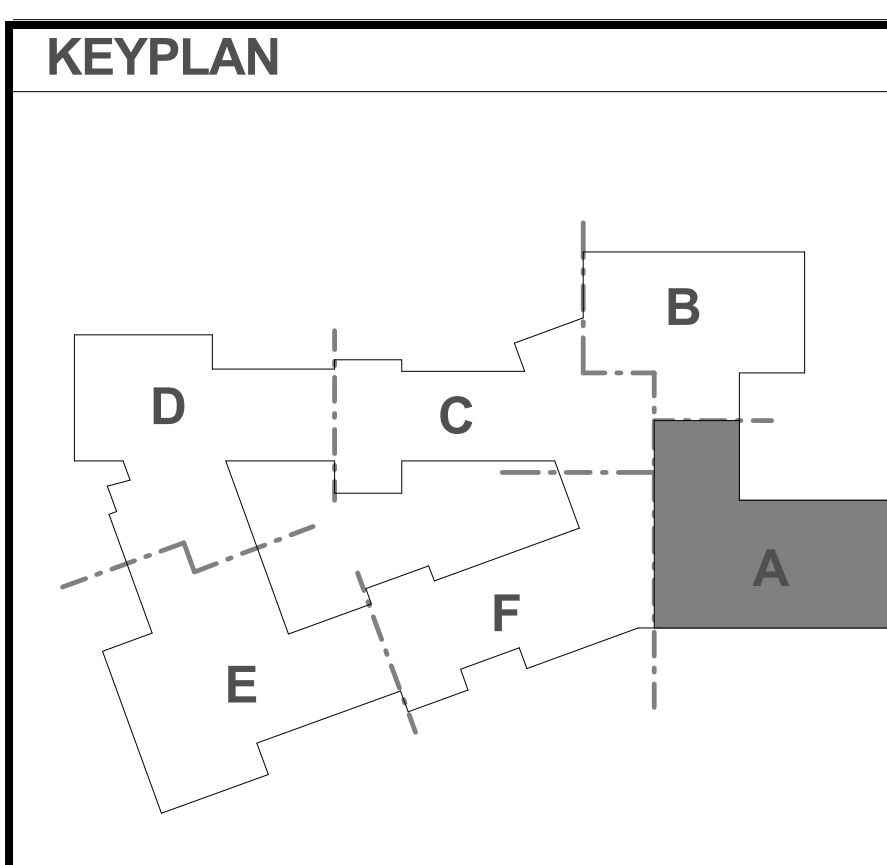
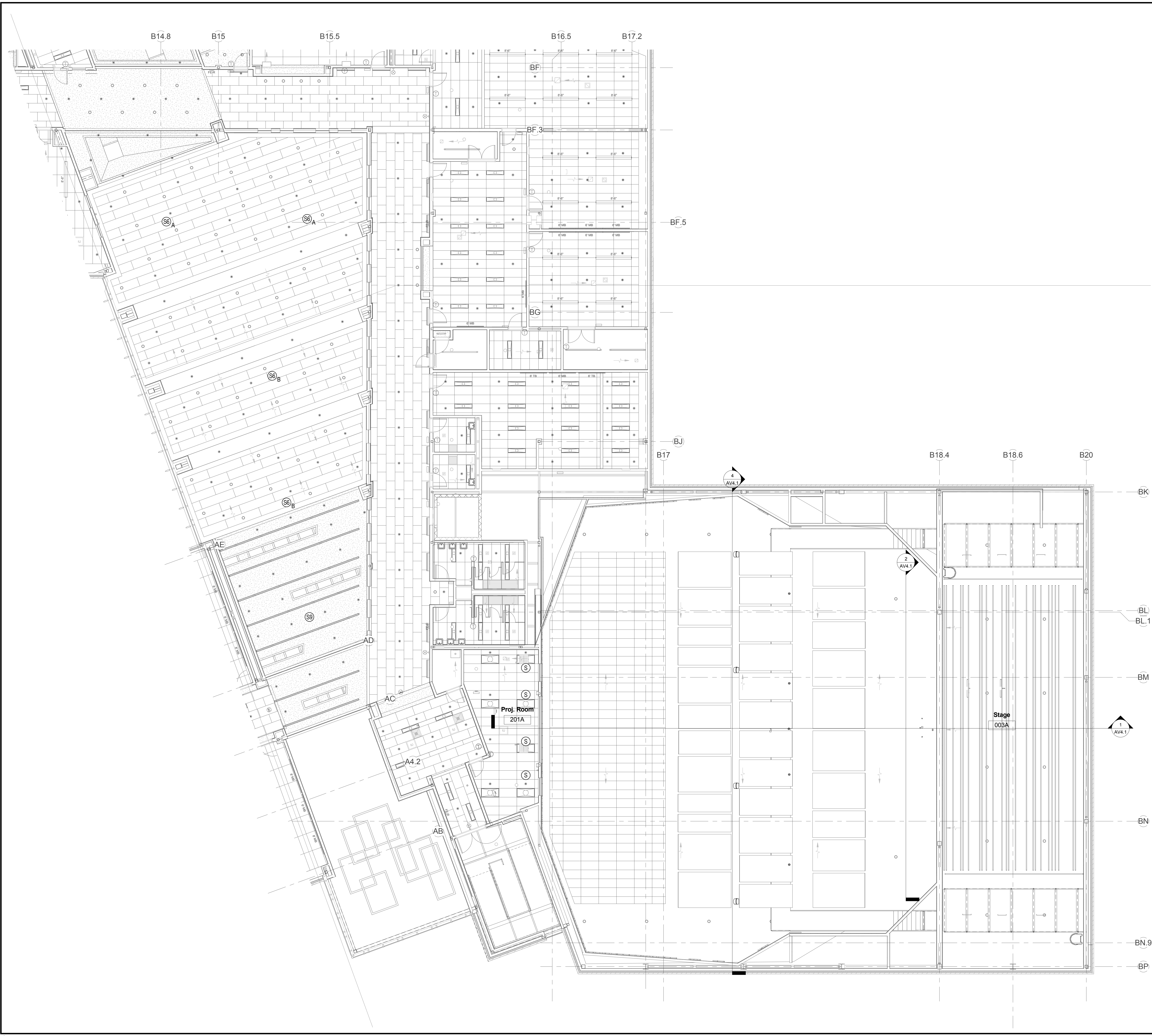
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AUDIOVISUAL RCP - FIRST FLOOR -
PART A
SCALE: 1/8" = 1'-0" DRAWN BY: Auhof CHECKED BY: Chedoke

AV3.1A
DRAWING NUMBER JOB NUMBER 403114



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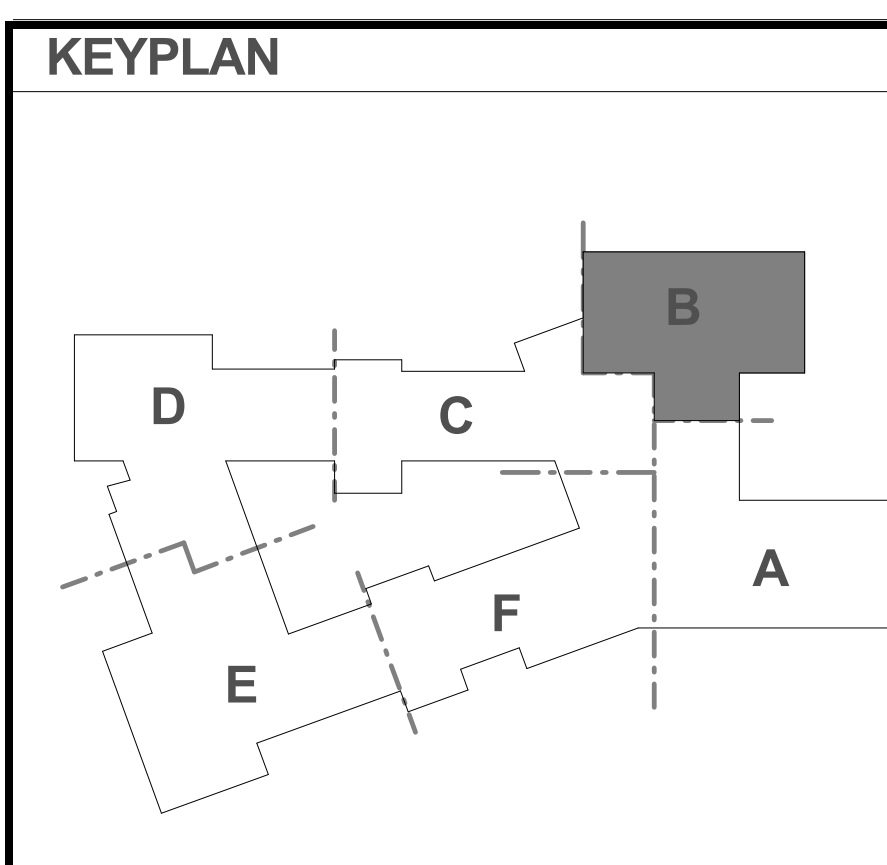
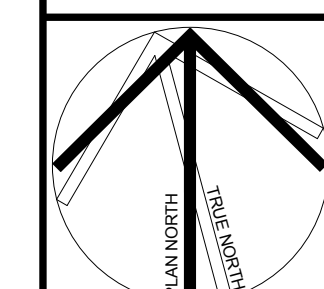
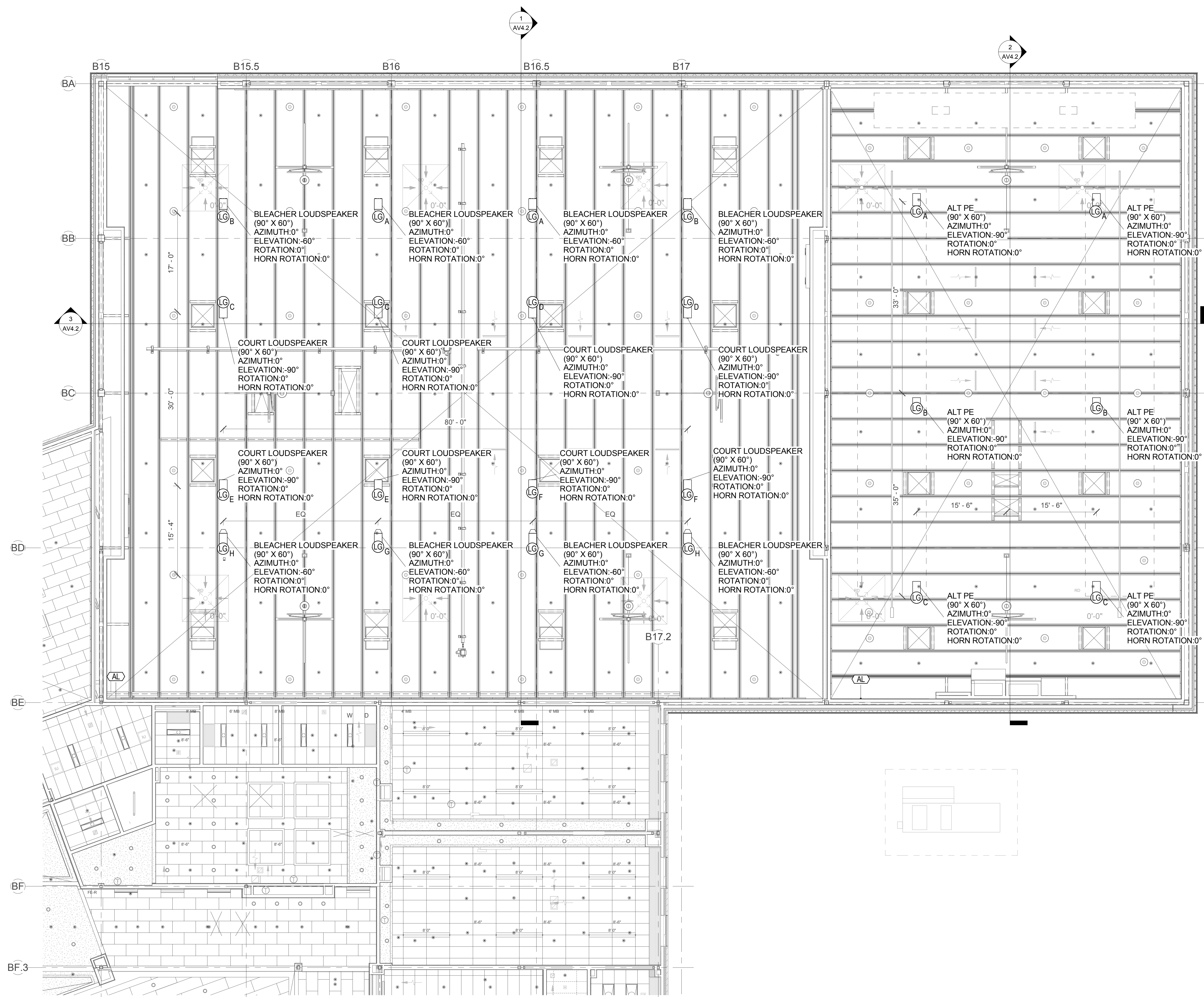
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AUDIOVISUAL RCP - SECOND FLOOR - PART A
 SCALE: 1/8" = 1'-0" DRAWN BY: Aubrey CHECKED BY: Checker

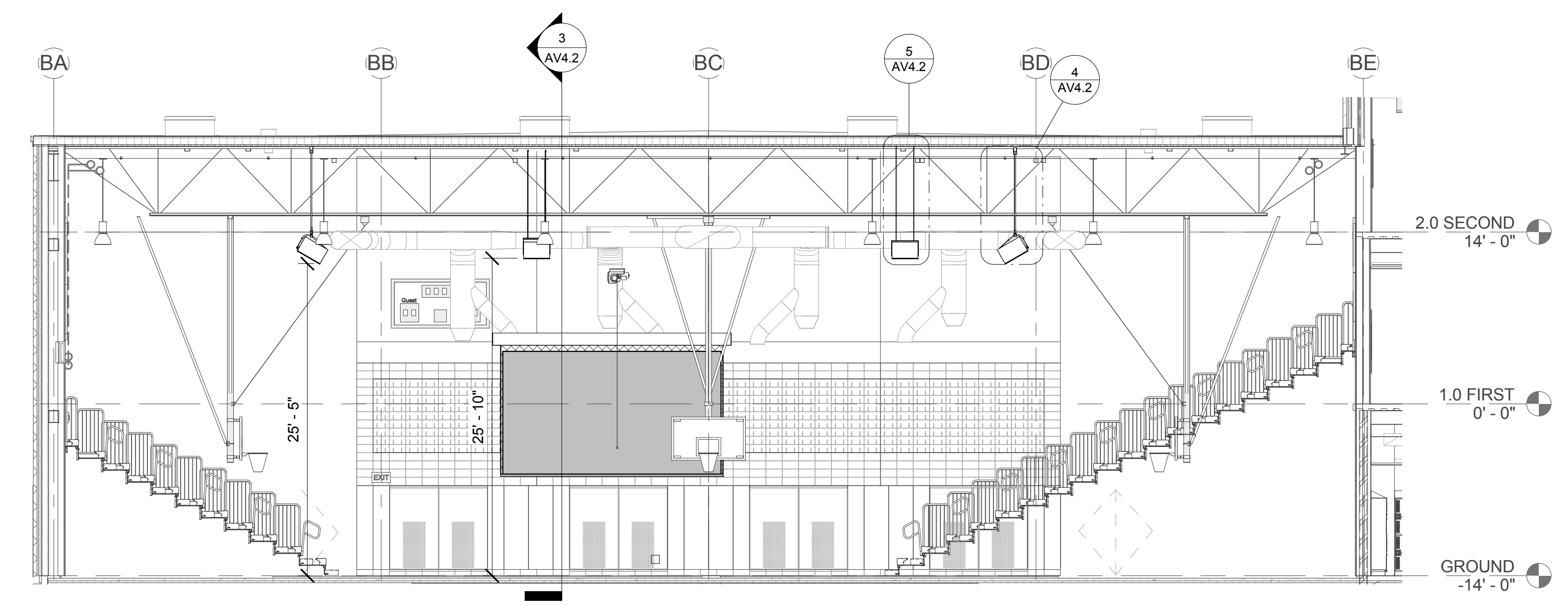
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JOB NUMBER 403114

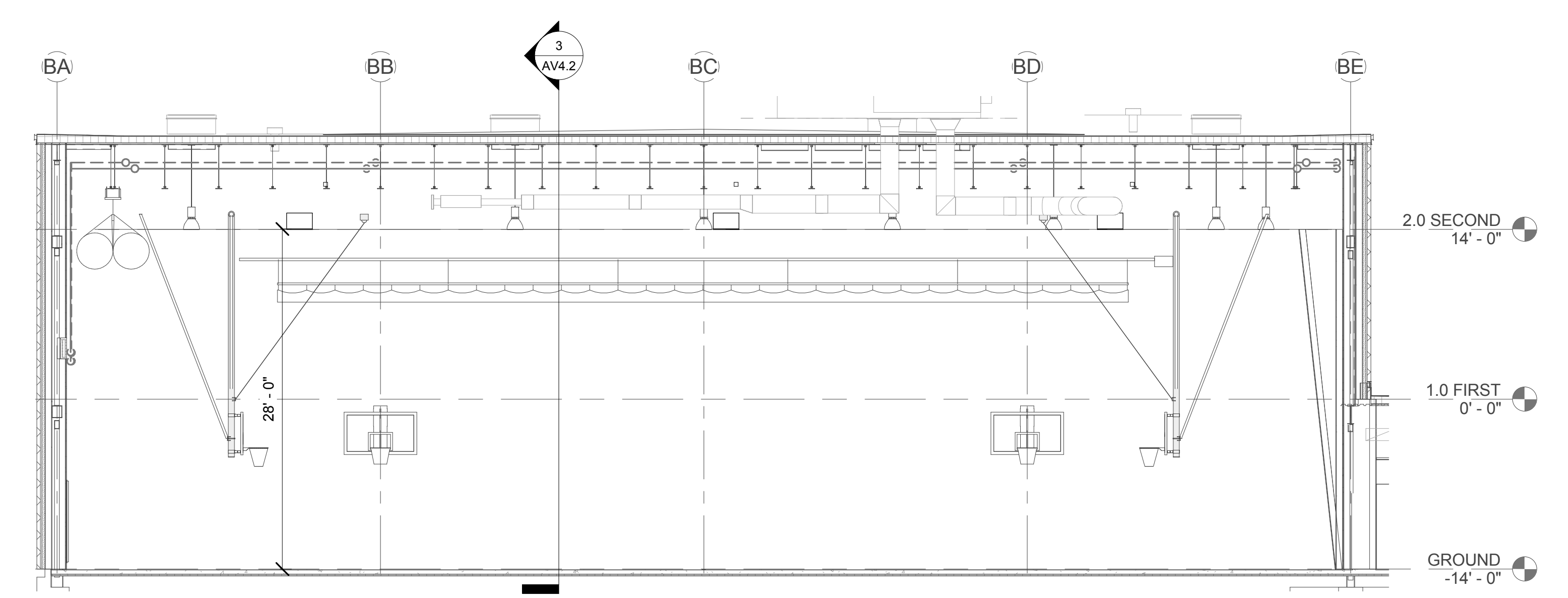
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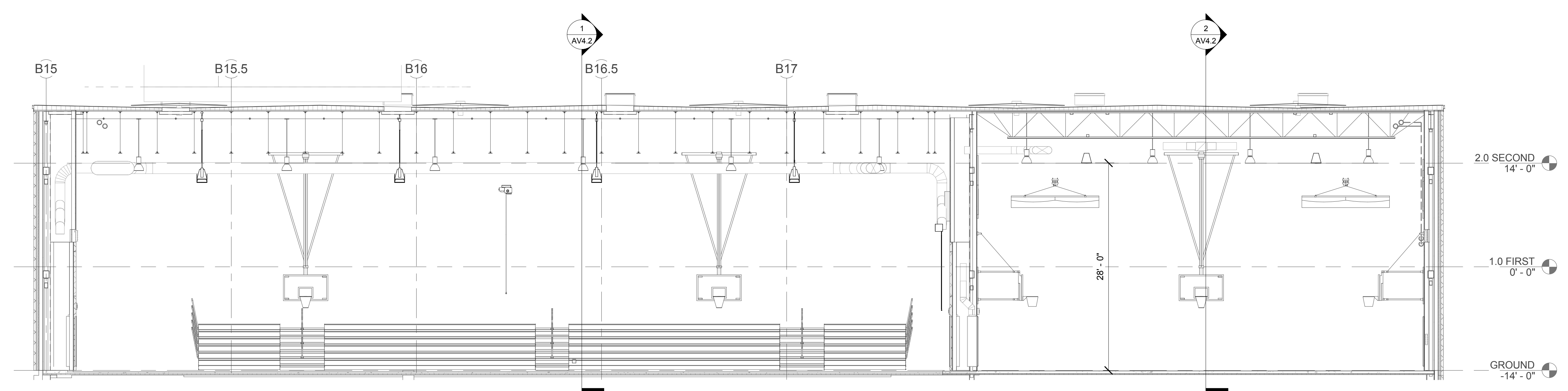
Dover HS / Career Technical Center
Dover, NH
AUDIOVISUAL RCP - SECOND
FLOOR - PART B
SCALE: 1/8" = 1'-0" DRAWN BY: AUBNY CHECKED BY: CHESTER



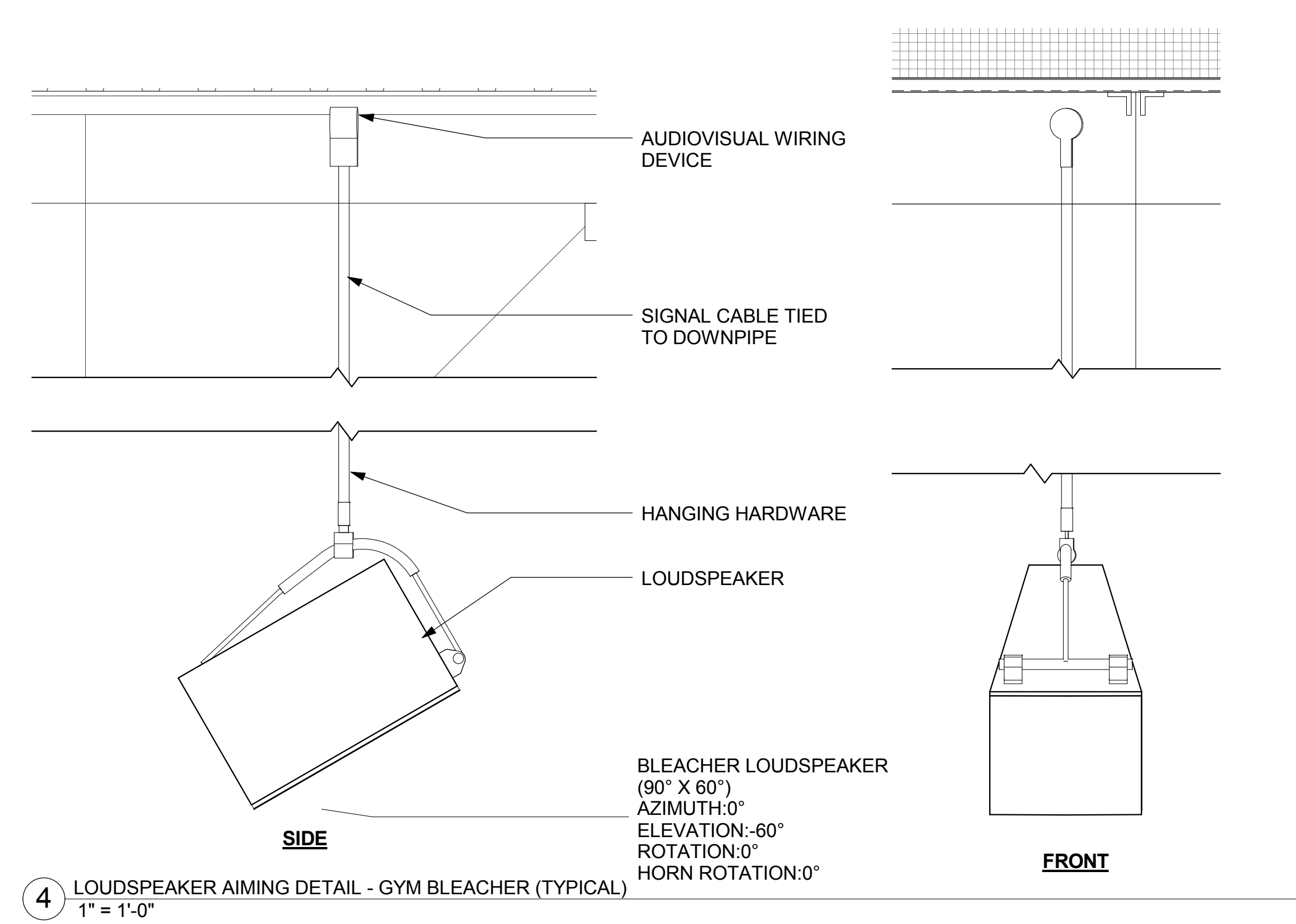
1 GYMNASIUM - SECTION 1
1/8" = 1'-0"



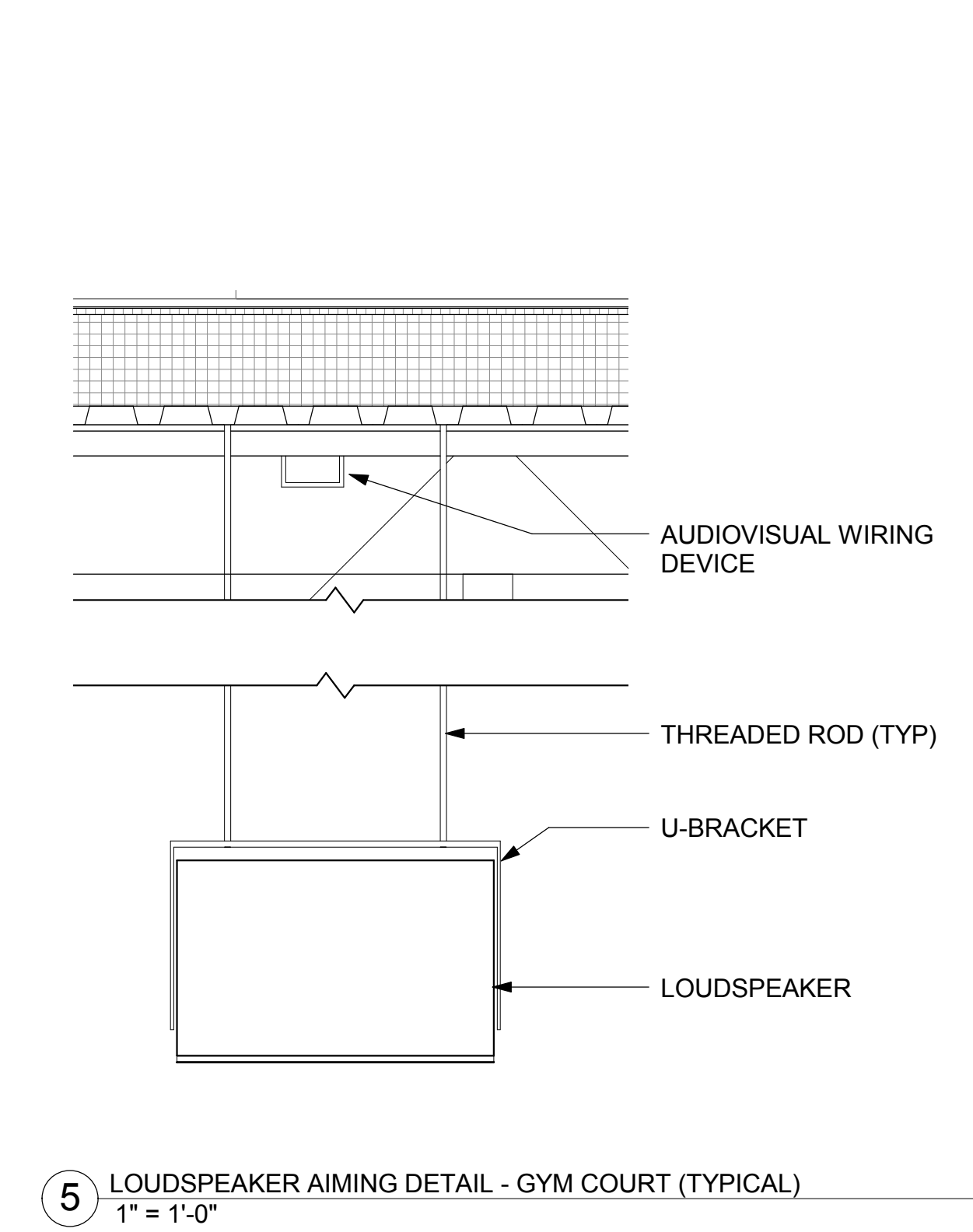
2 GYMNASIUM - SECTION 2
1/8" = 1'-0"



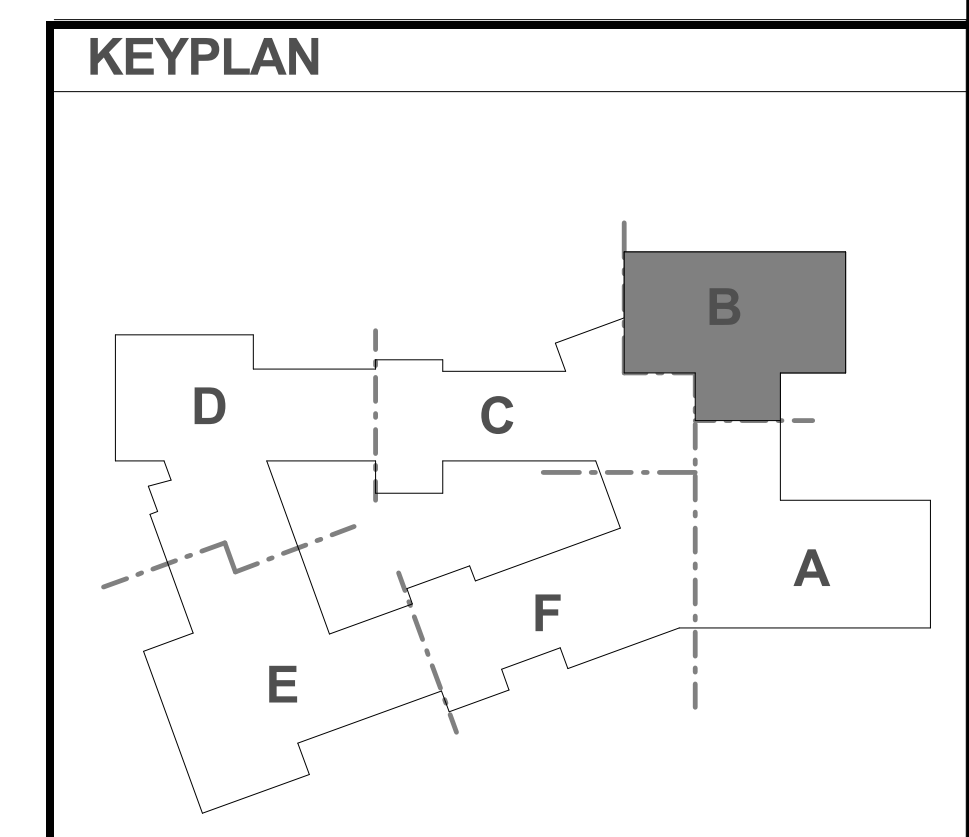
3 GYMNASIUM - SECTION 3
1/8" = 1'-0"



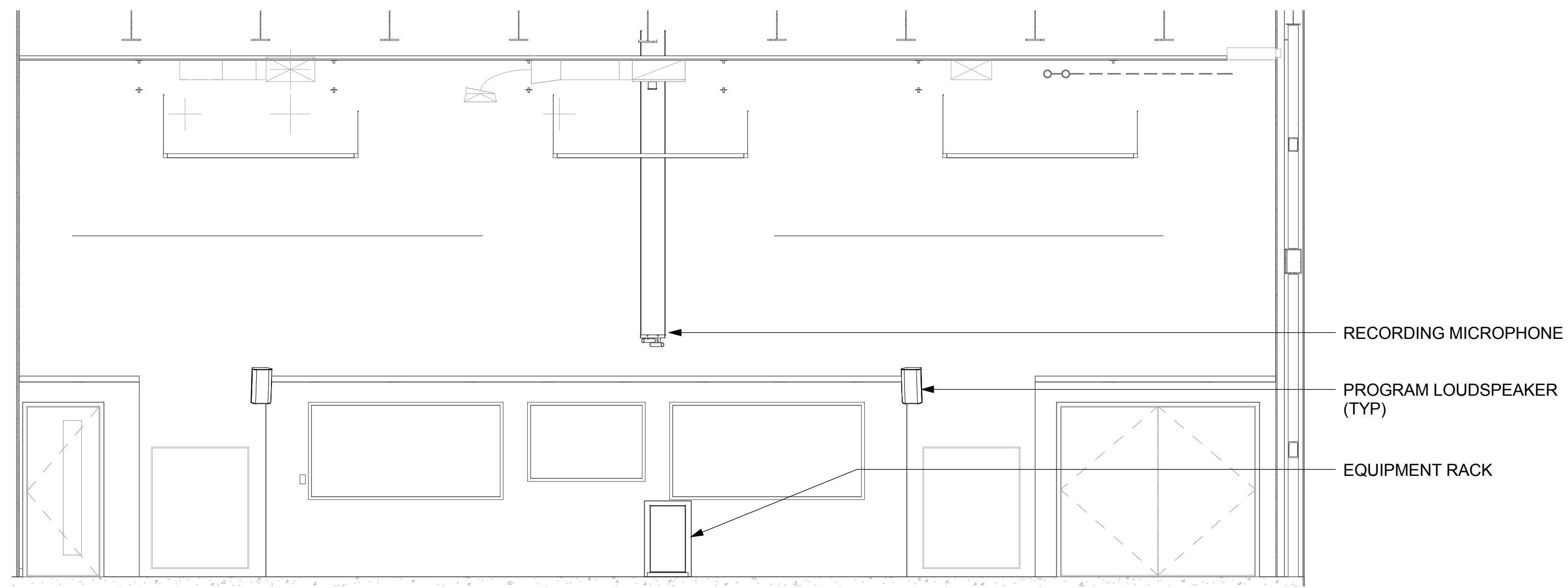
4 LOUSPEAKER AIMING DETAIL - GYM BLEACHER (TYPICAL)
1" = 1'-0"



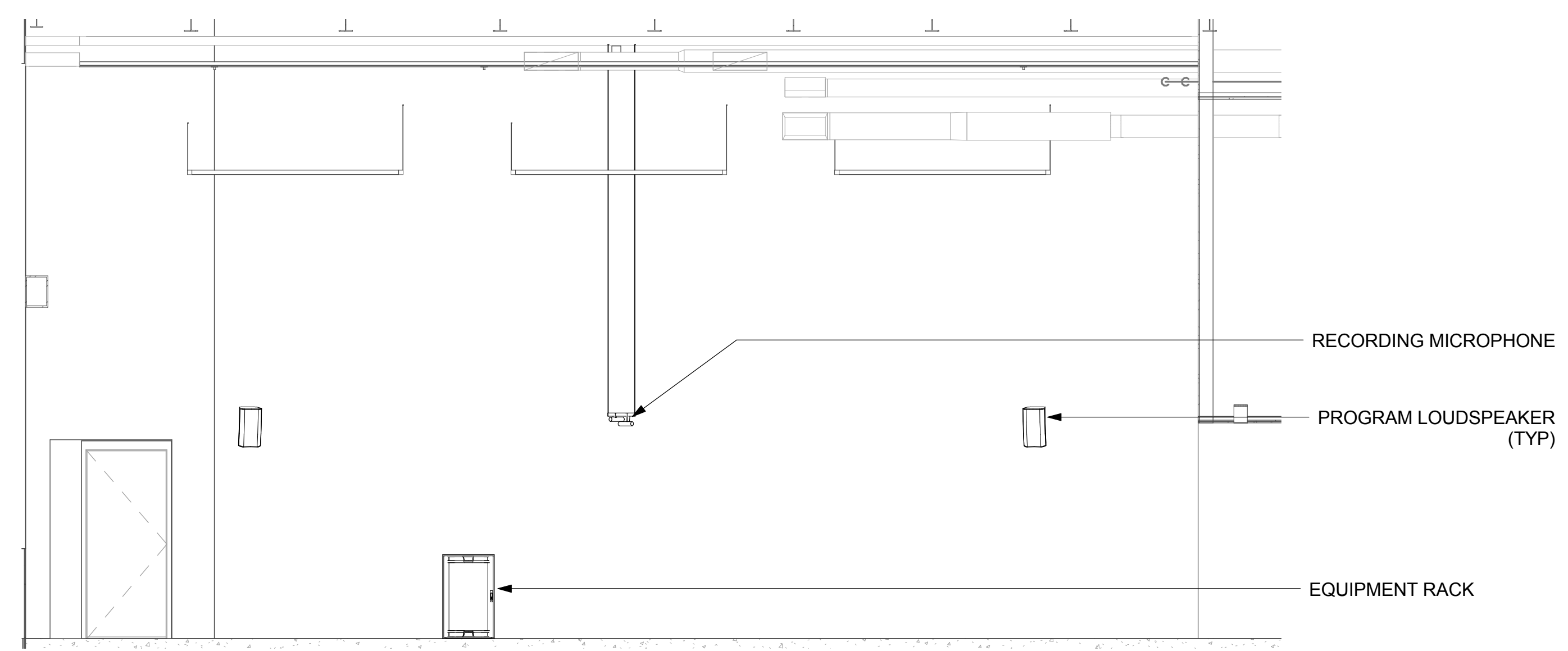
5 LOUSPEAKER AIMING DETAIL - GYM COURT (TYPICAL)
1" = 1'-0"



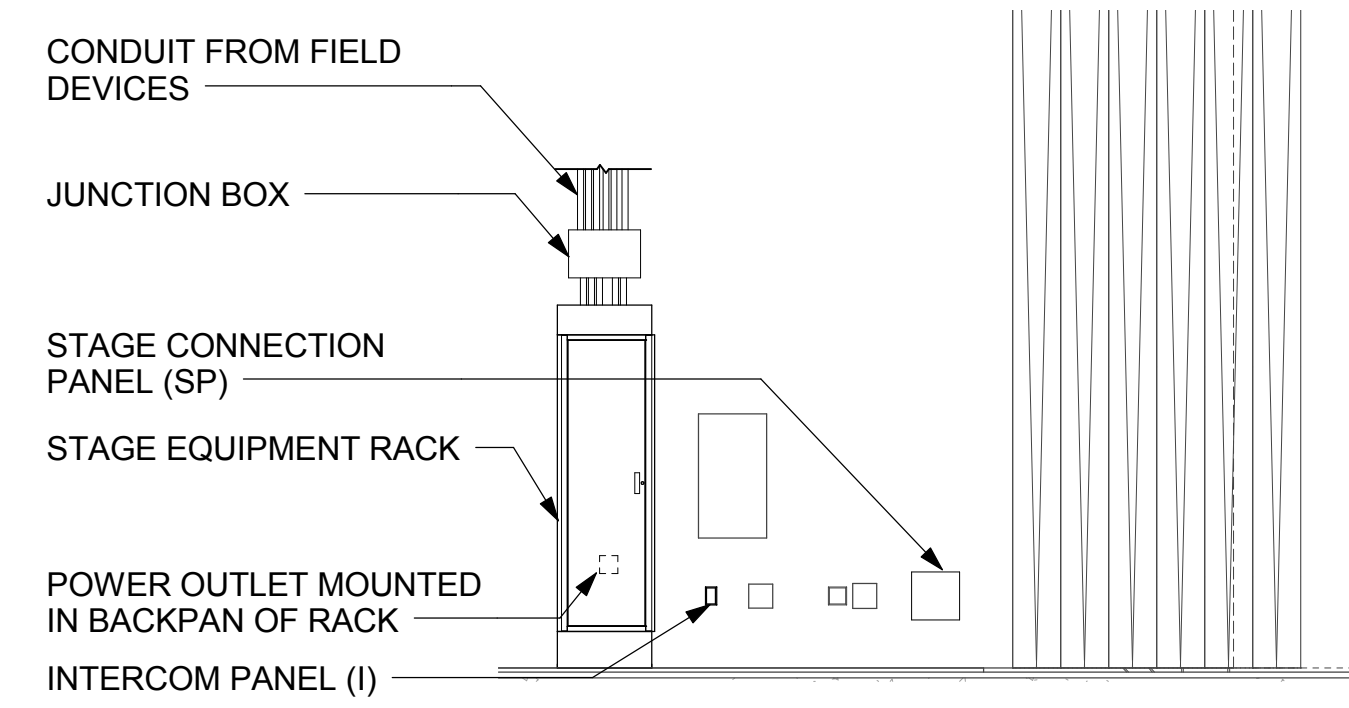
KEYPLAN



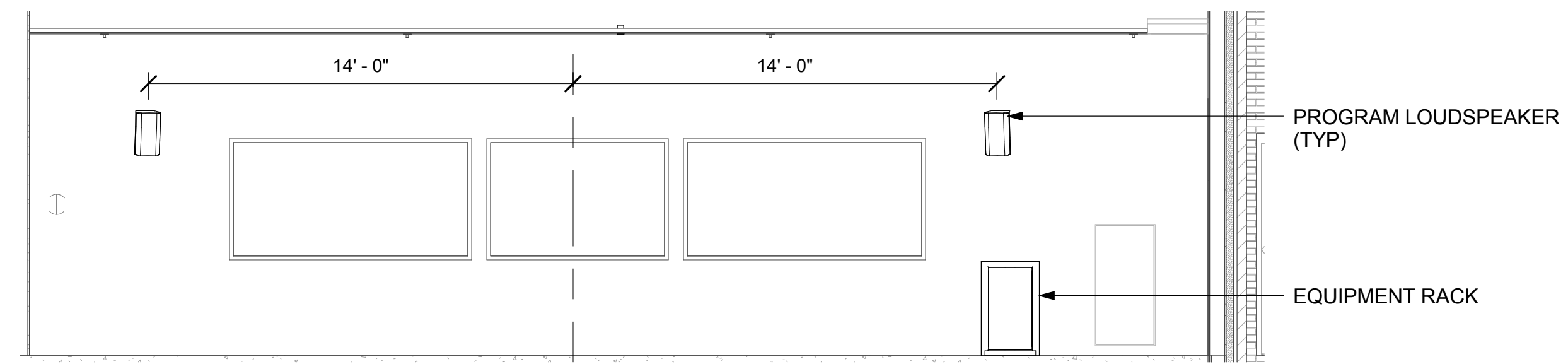
1 ELEVATION - BAND ROOM TEACHING WALL
1/4" = 1'-0"



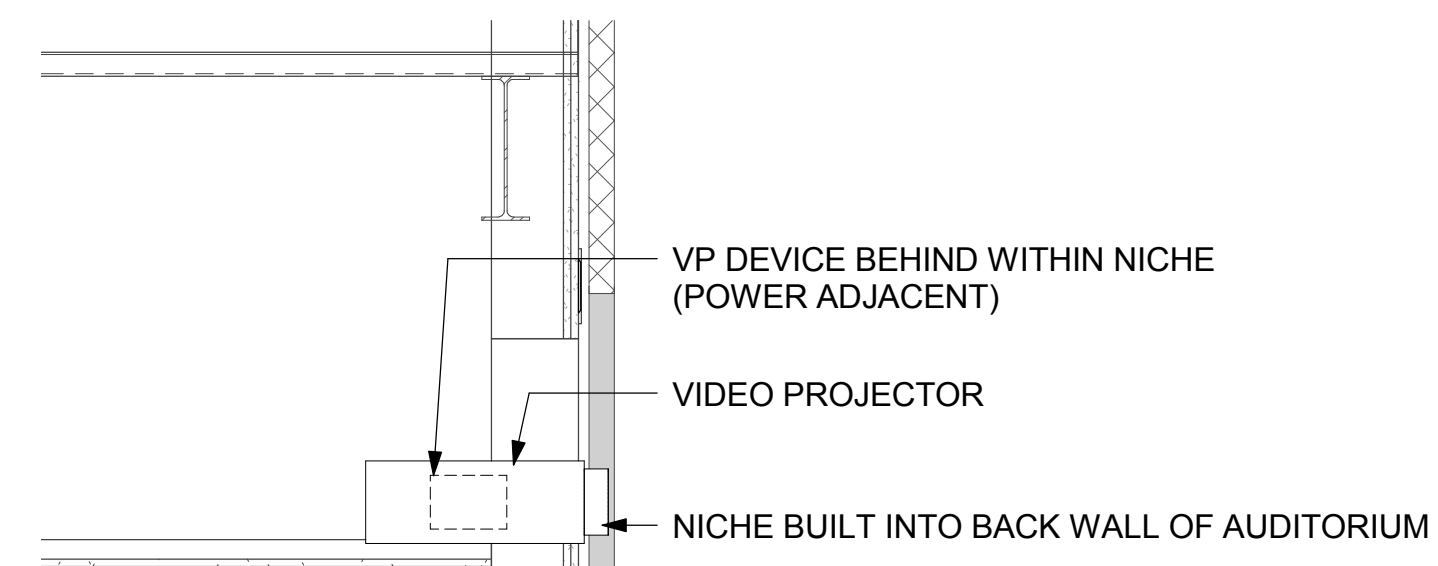
2 ELEVATION - MUSIC CLASSROOM TEACHING WALL
1/4" = 1'-0"



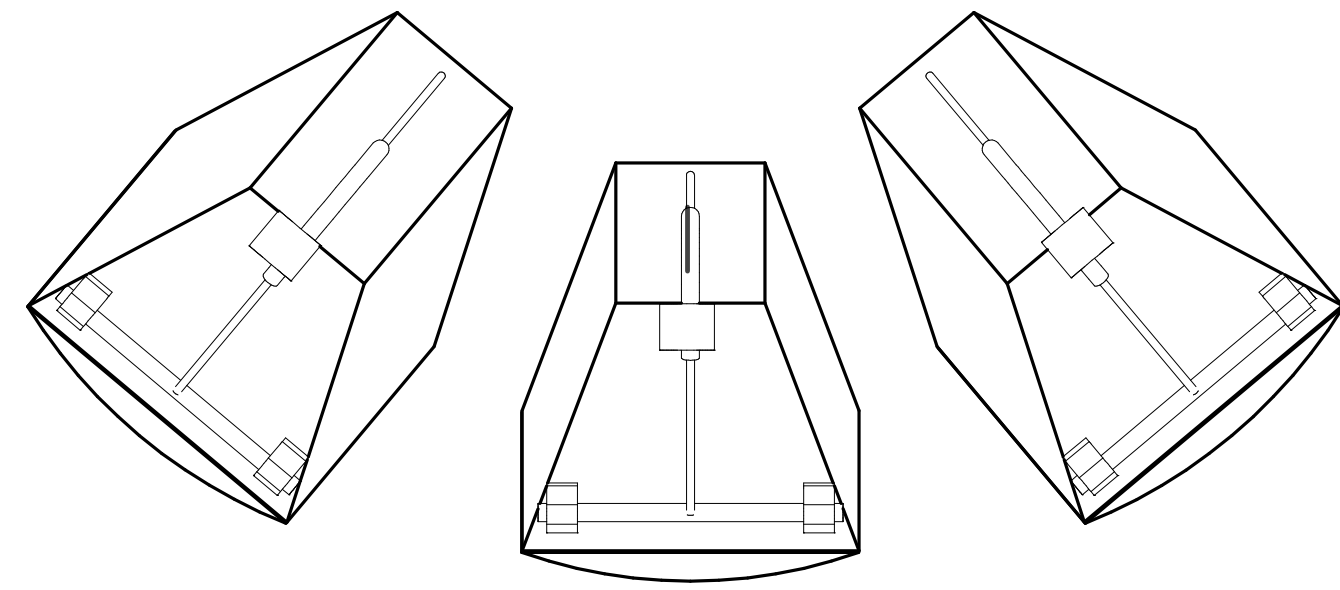
3 ELEVATION - DOWNSTAGE LEFT WALL
1/4" = 1'-0"



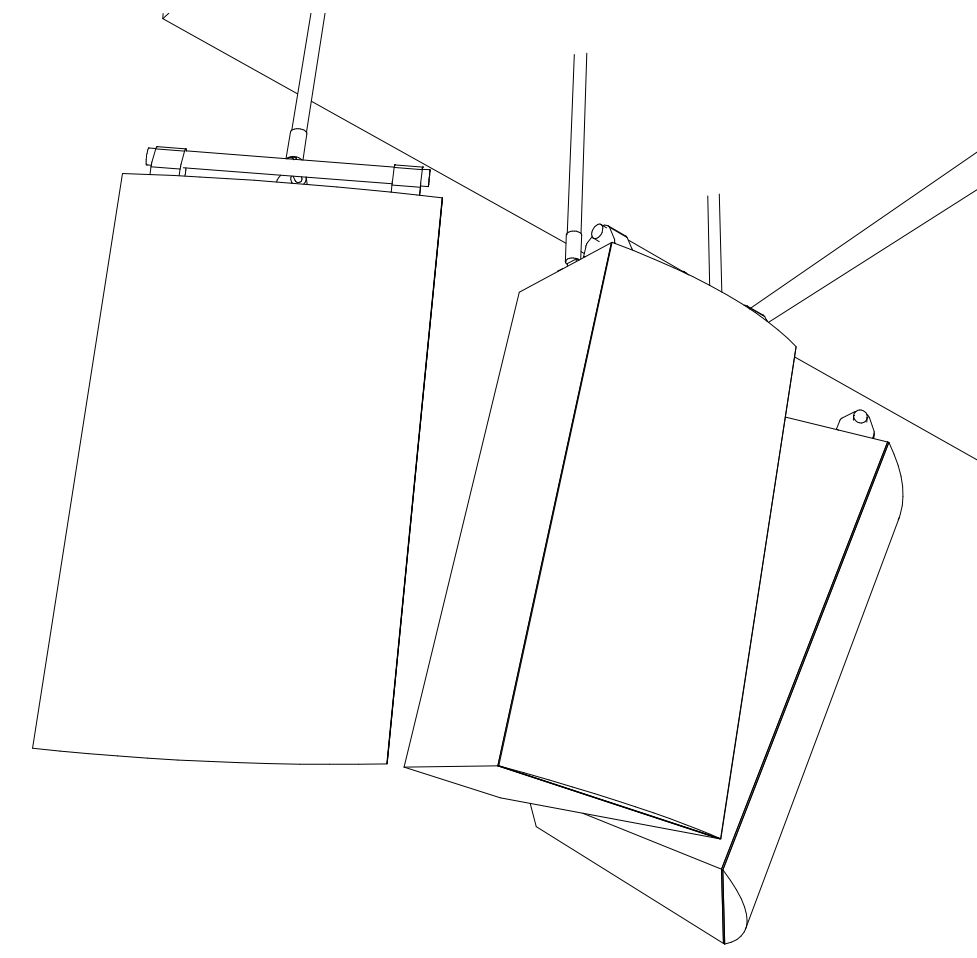
4 ELEVATION - KEYBOARDING TEACHING WALL
1/4" = 1'-0"



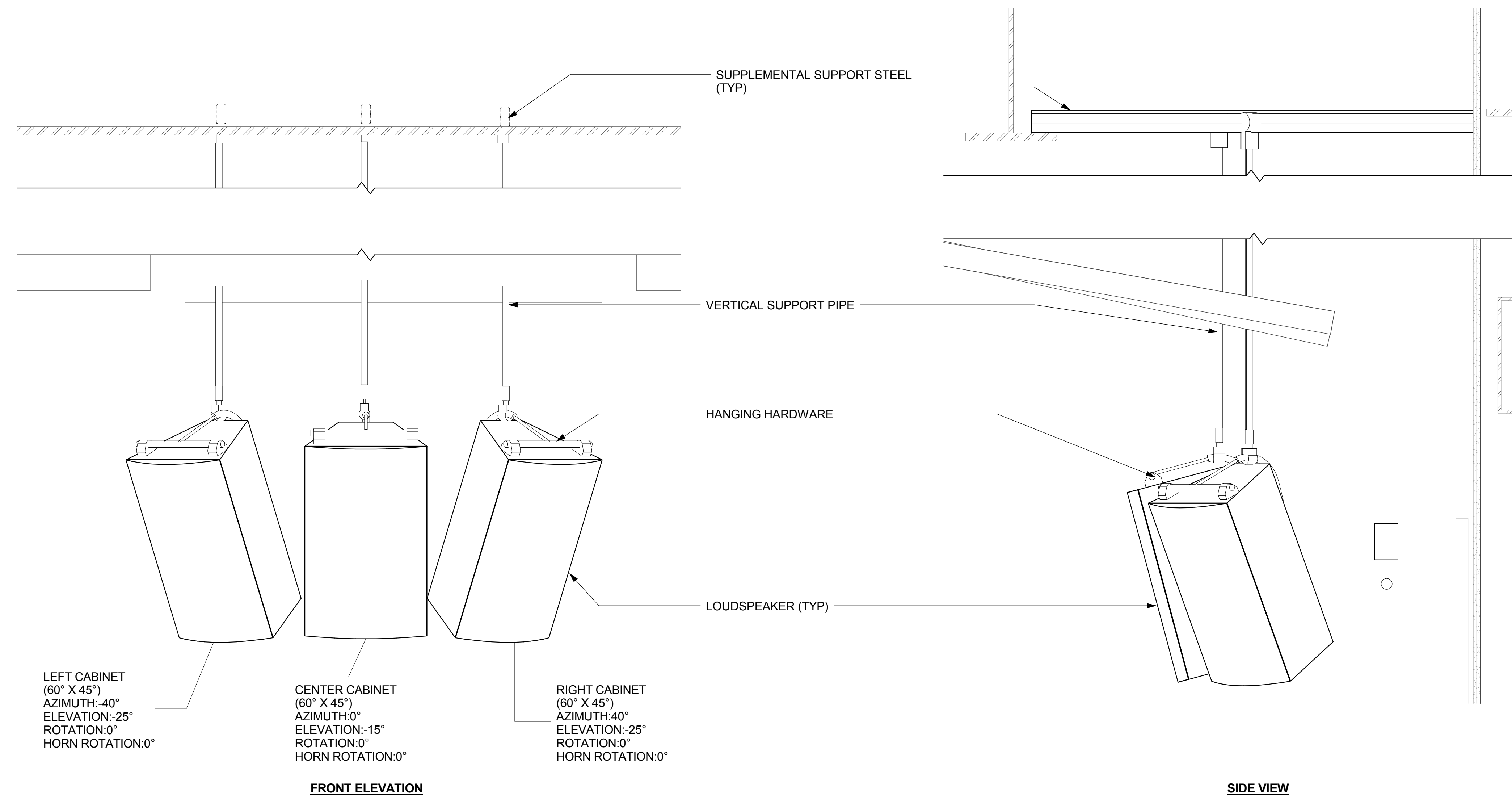
5 AUDITORIUM - PROJECTOR MOUNTING DETAIL
3/4" = 1'-0"



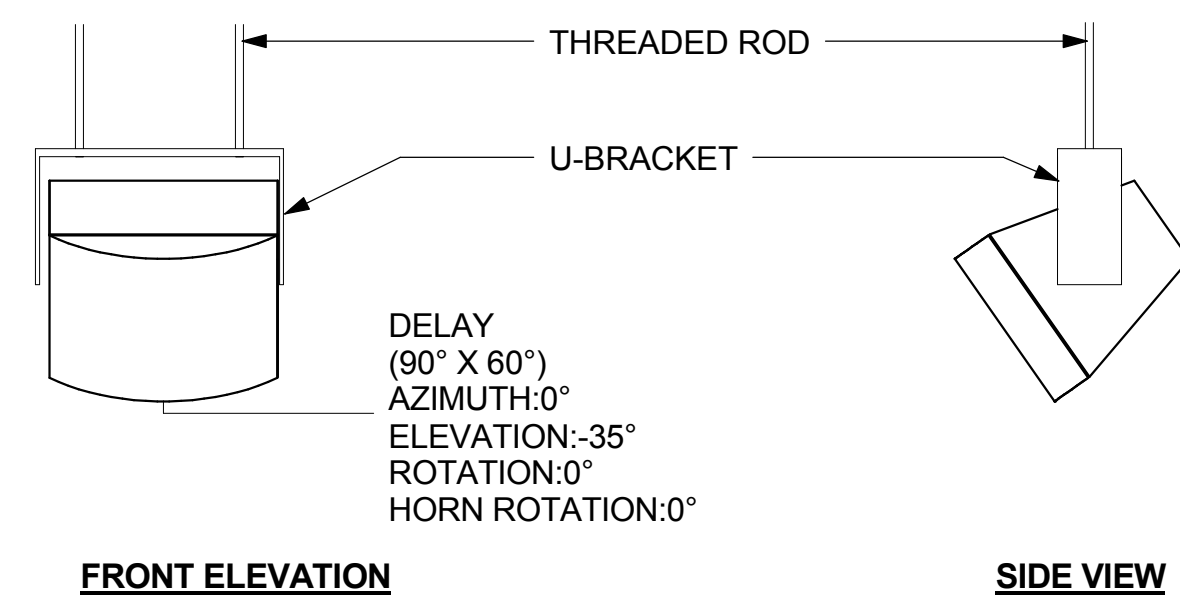
PLAN



ISOMETRIC

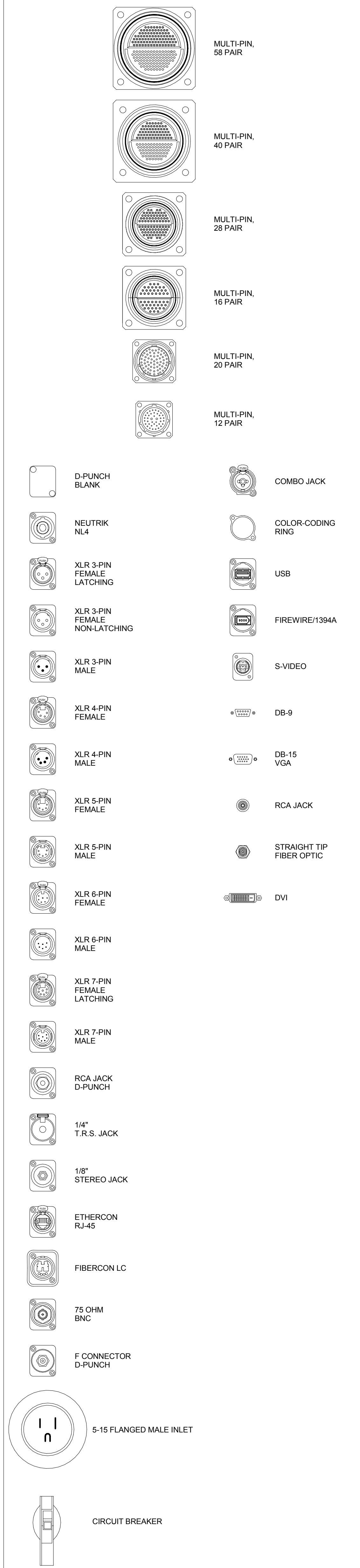


1 LOUDSPEAKER AIMING DETAIL - AUDITORIUM CENTER CLUSTER
1" = 1'-0"

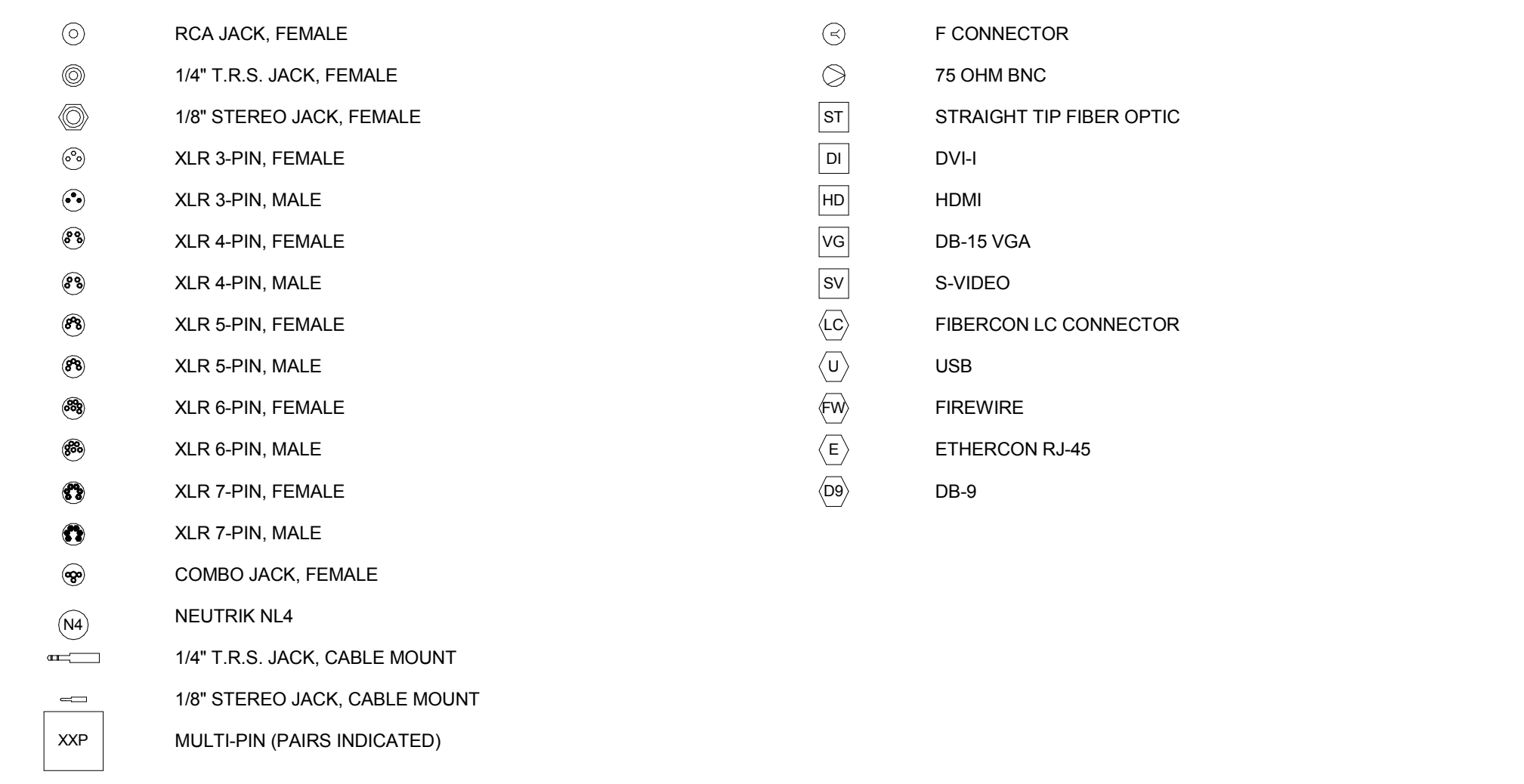


2 LOUDSPEAKER AIMING DETAIL - AUDITORIUM DELAY SPEAKER (TYP)
1" = 1'-0"

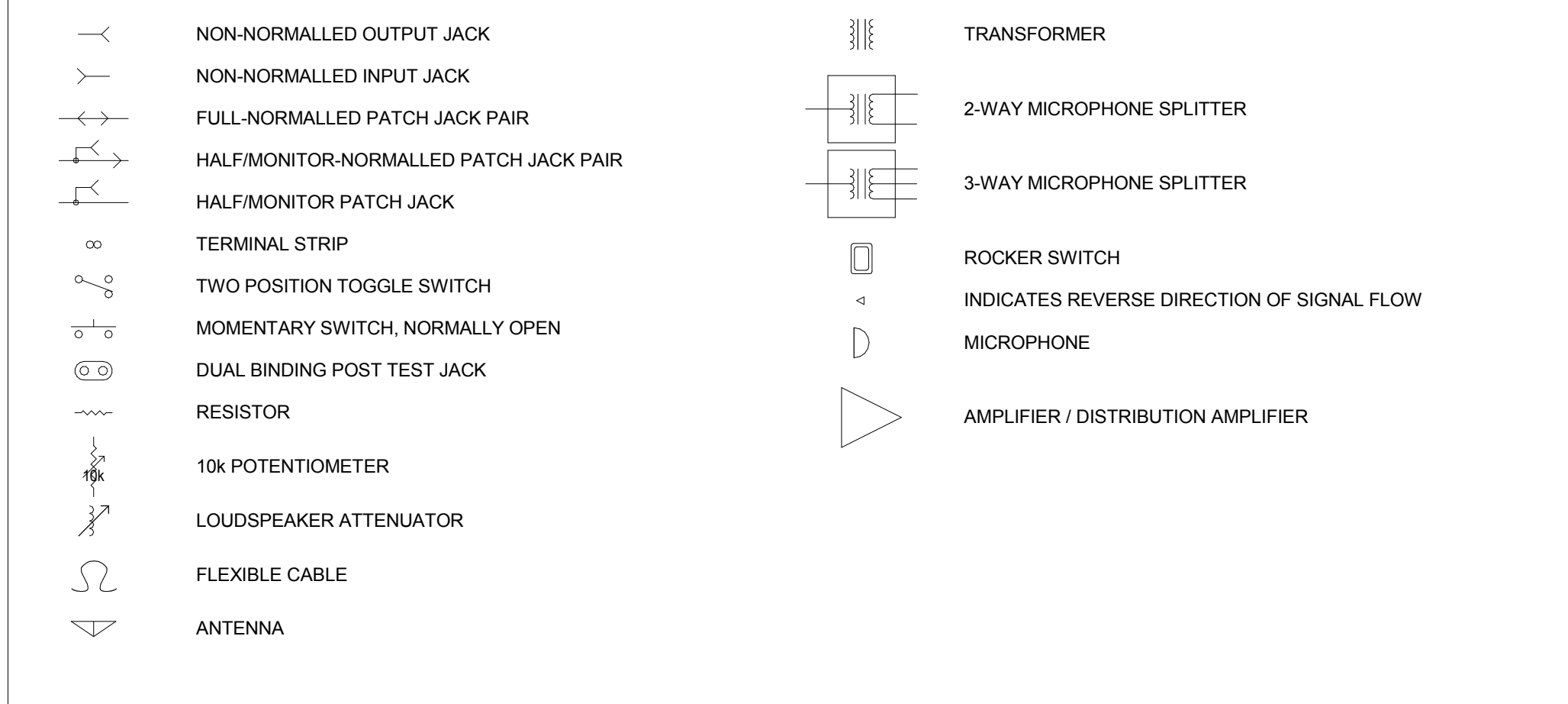
PANEL CONNECTOR KEY



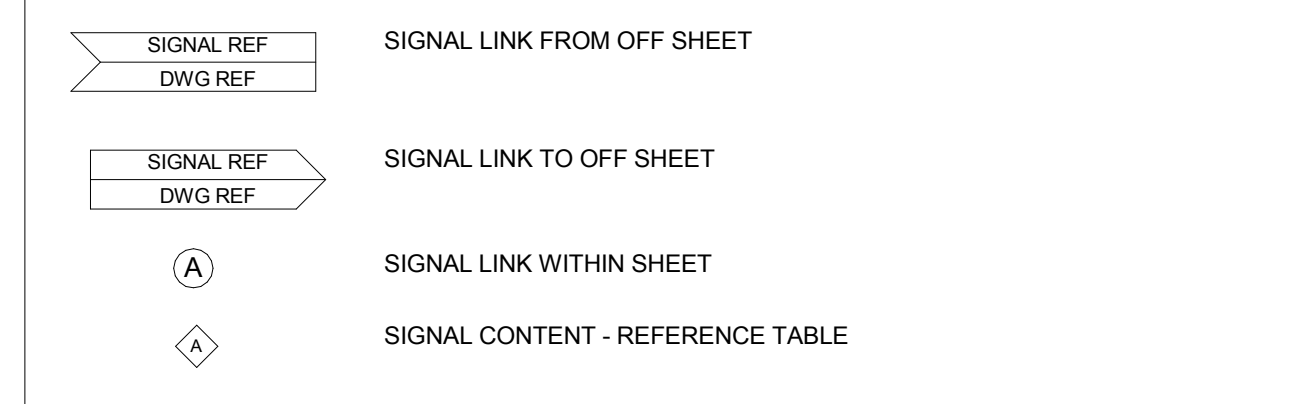
CONNECTOR KEY



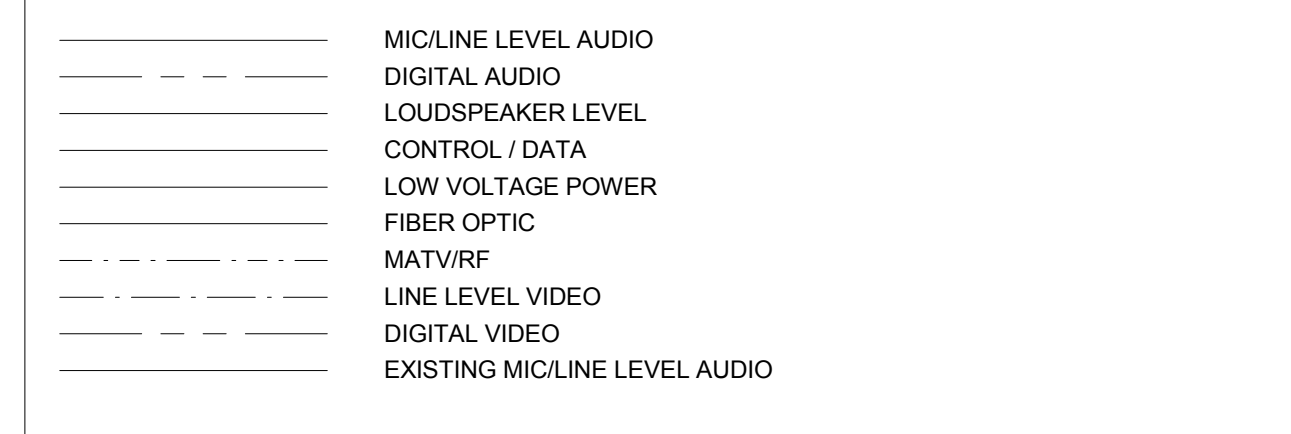
DEVICE KEY



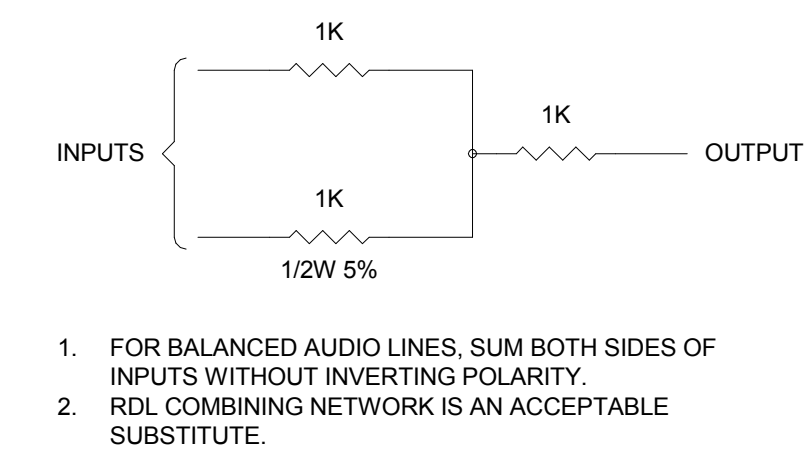
REFERENCE KEY



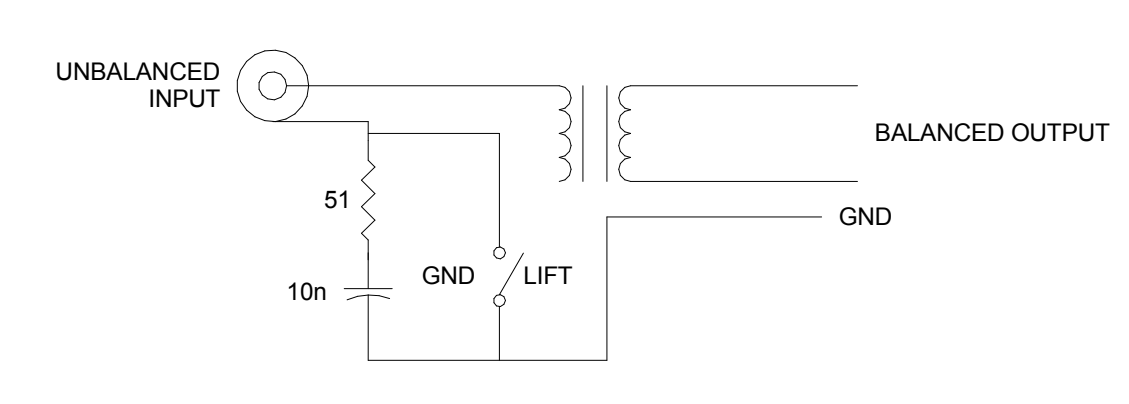
SIGNAL TYPE KEY



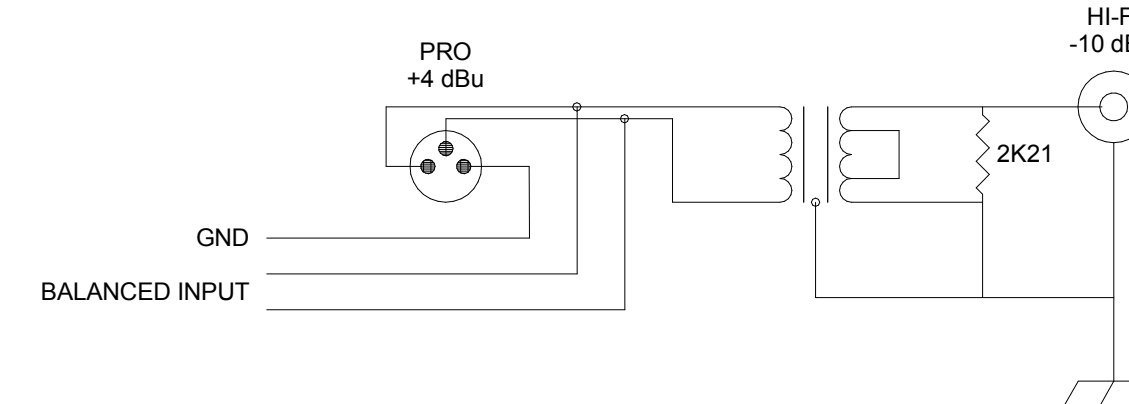
RESISTIVE SUMMER DETAIL



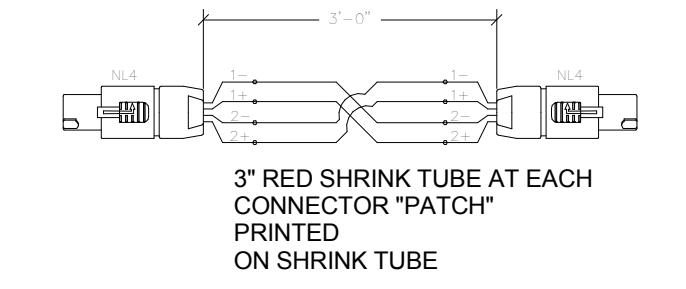
AUDIOVISUAL INPUT DETAIL



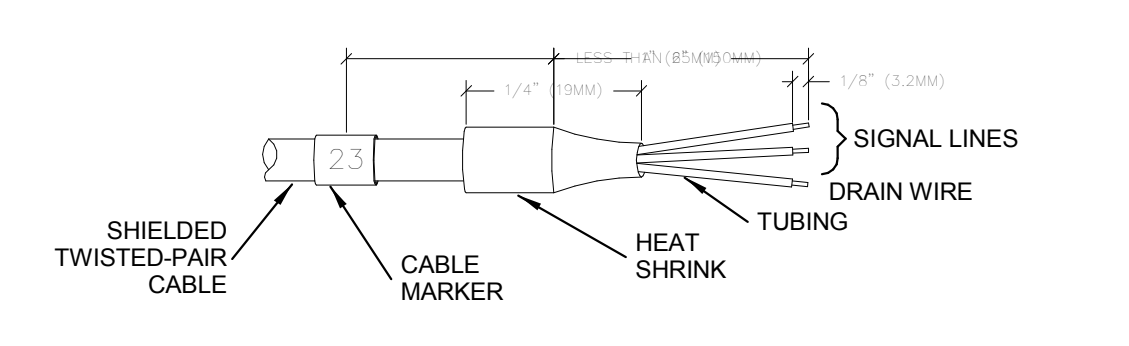
PRESS FEED OUTPUT DETAIL



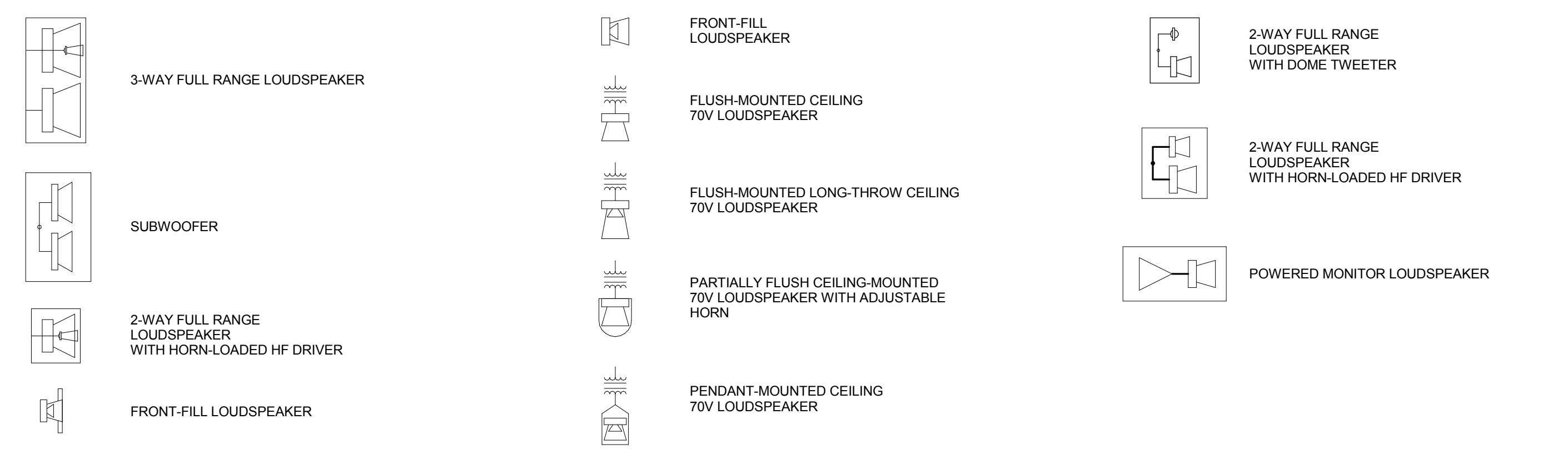
LOUDSPEAKER PATCH CABLE DETAIL



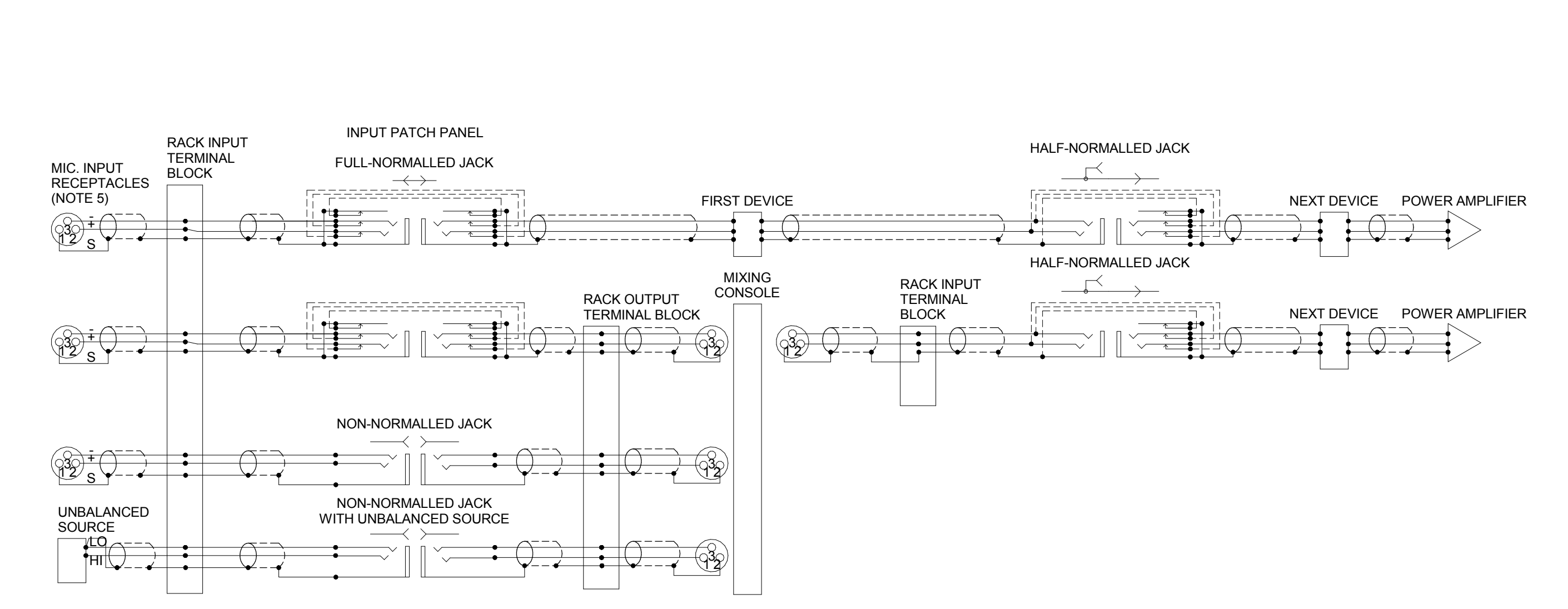
BALANCED AUDIO CABLE TERMINATION DETAIL



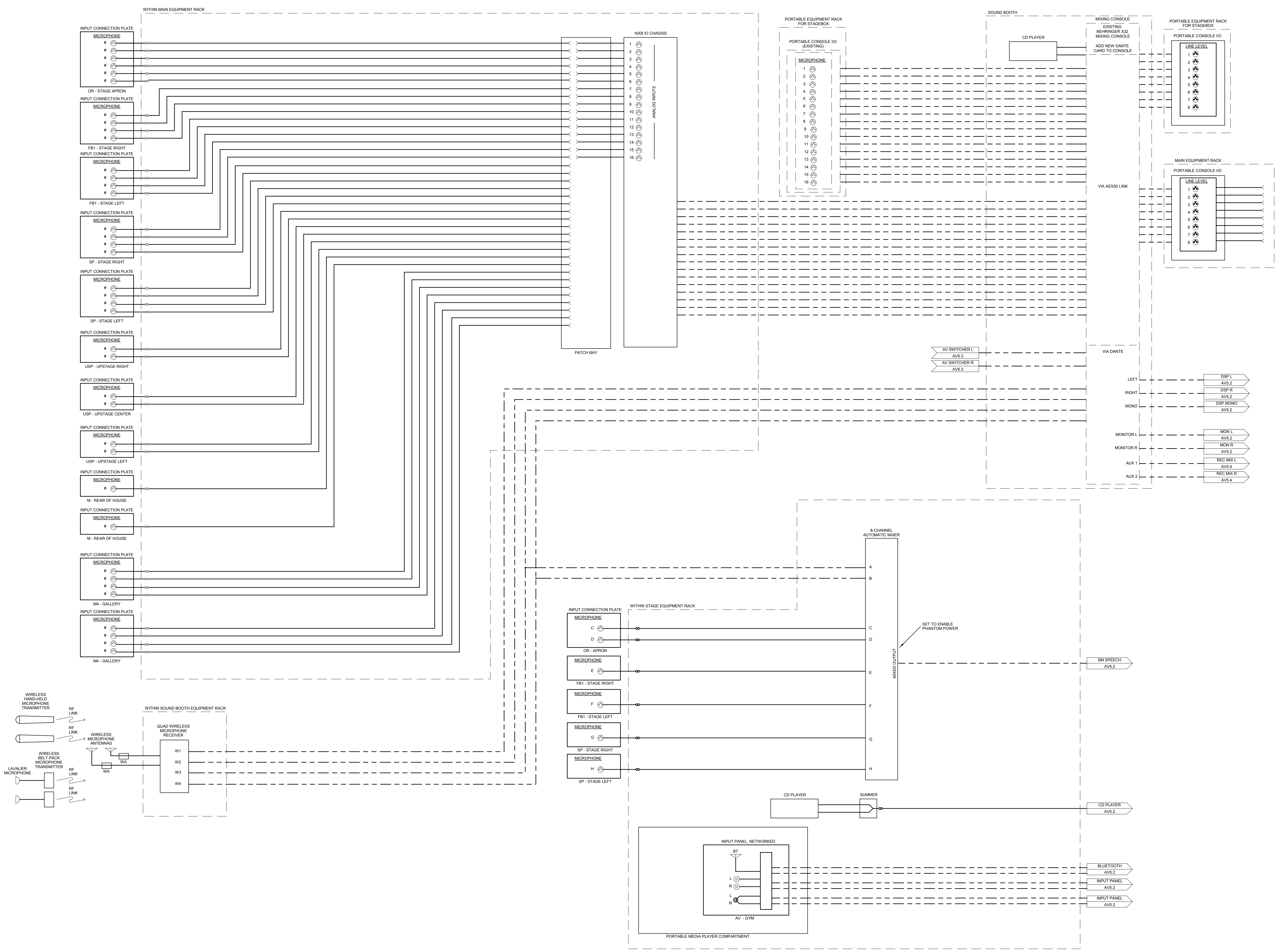
LOUDSPEAKER KEY



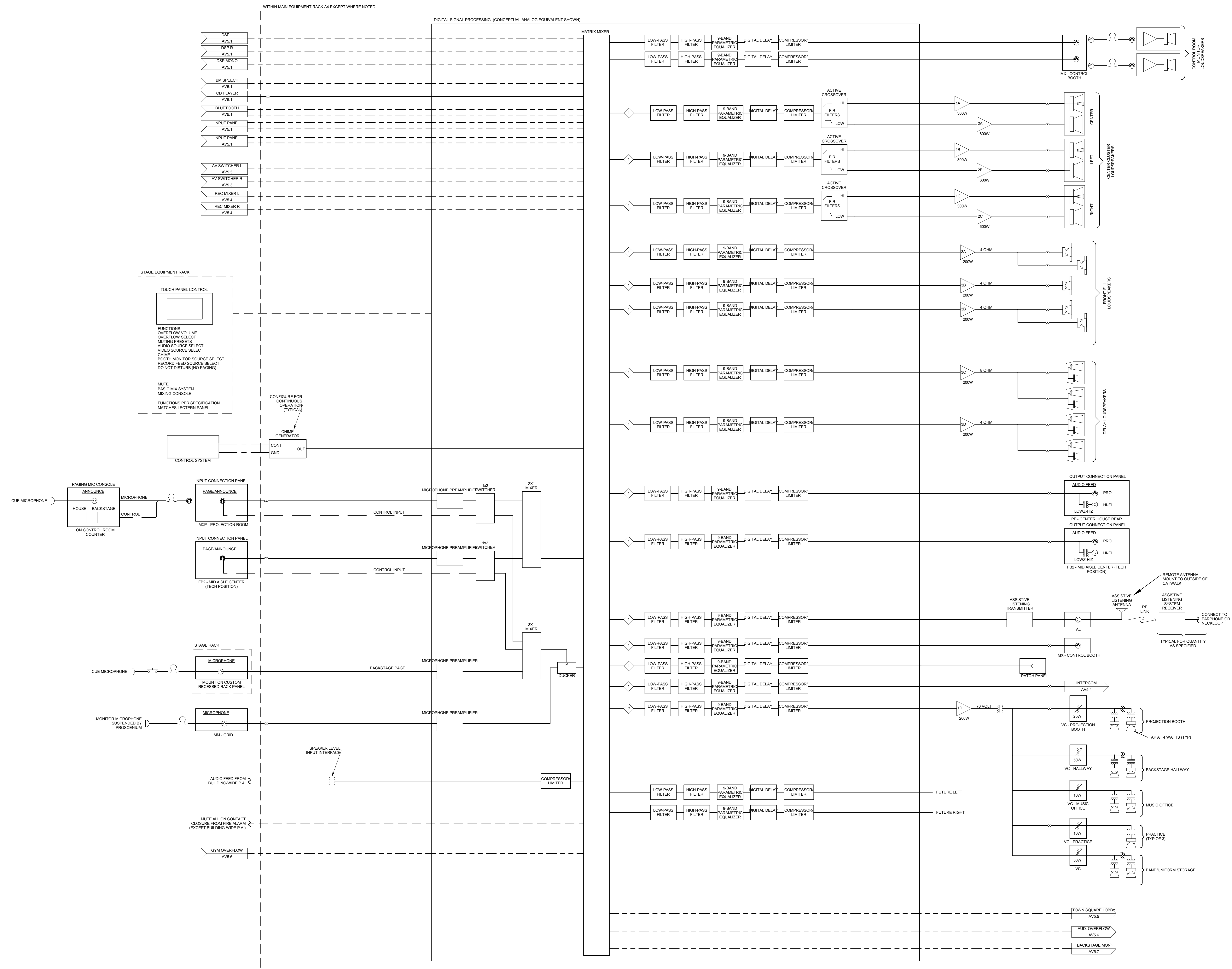
SIGNAL GROUNDING DETAIL



- ALL LINES ARE BALANCED CIRCUITS, EXCEPT AS NOTED.
- DASHED LINE INDICATE NORMALLED CONNECTIONS.
- AUDIO SHIELDS SHALL BE CONNECTED AT DEVICE INPUTS AND OUTPUTS. SHIELDS MAY BE LIFTED AT DEVICE INPUTS TO BREAK GROUND LOOPS.
- DO NOT BUS SHIELDS, EXCEPT AS SHOWN.
- DO NOT CONNECT SHIELDS TO DEVICE CHASSIS IF SHIELDS ARE GROUNDED ELSEWHERE AS SHOWN.
- MAINTAIN ELECTRICAL ISOLATION OF SHIELD FROM CONDUIT, ELECTRICAL BOXES AND PANELS.
- TYPICAL EQUIPMENT ARRANGEMENT SHOWN. REFERENCE SYSTEM SCHEMATIC DRAWINGS FOR ACTUAL ARRANGEMENT.



- SYMBOL SIGNAL CONTENT
- ◇ STANDARD OPERATION: CONSOLE MONO, BASIC MIX PROGRAM & SPEECH AV SWITCHER (SUM L/R), HOUSE ANNOUNCE OVERFLOW, SELECTED OVERFLOW FEED
 - ◇ STANDARD: BACKSTAGE ANNOUNCE; MONITOR MICROPHONE
 - ◇ STANDARD: CHIME



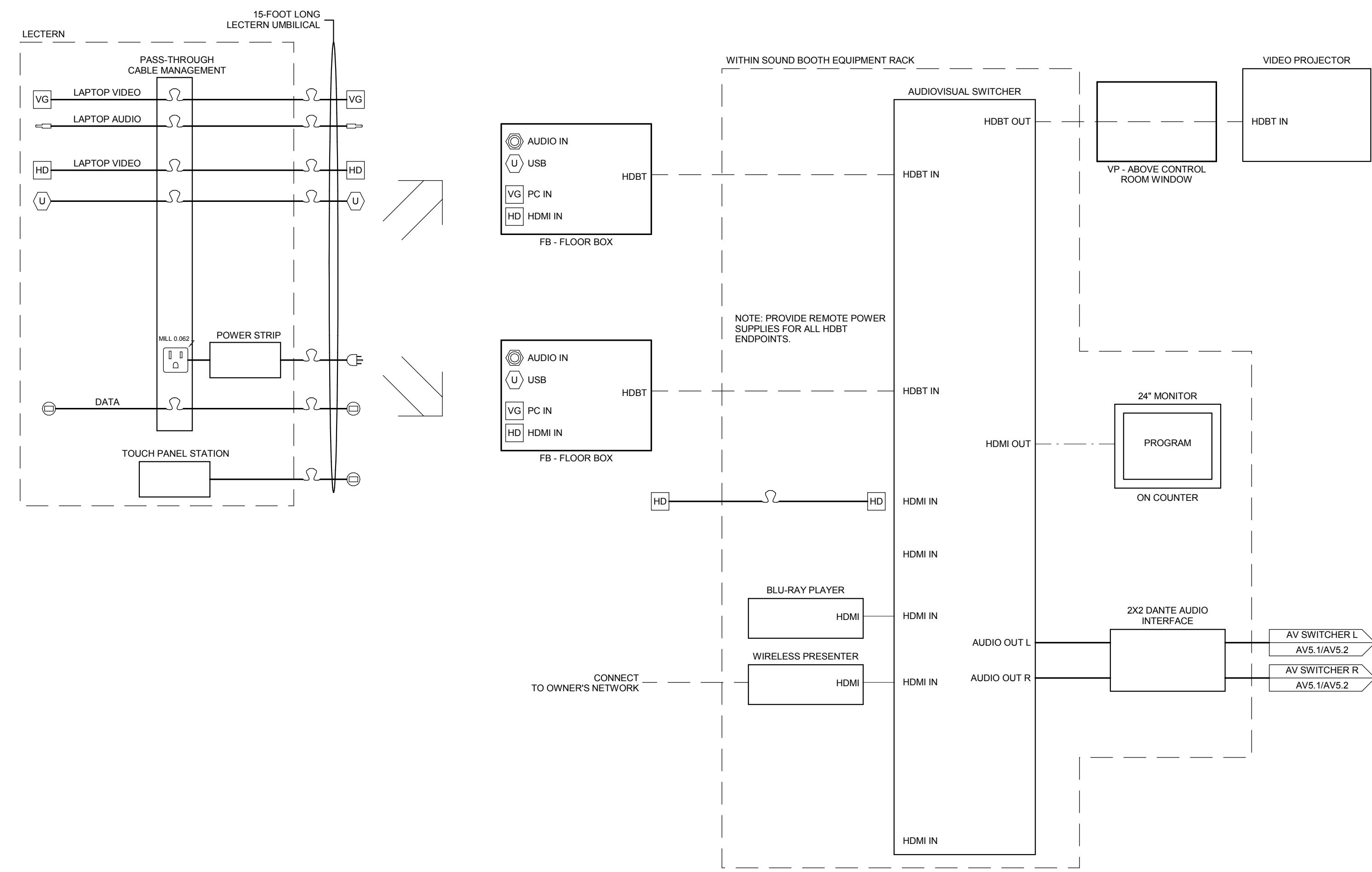
TOUCH PANEL CONTROL

FUNCTIONS:
OVERFLOW VOLUME
OVERFLOW SELECT
MUTING PRESETS
AUDIO SOURCE SELECT
VIDEO SOURCE SELECT
CHIME
BOOTH MONITOR SOURCE SELECT
RECORD FEED SOURCE SELECT
DO NOT DISTURB (NO PAGING)

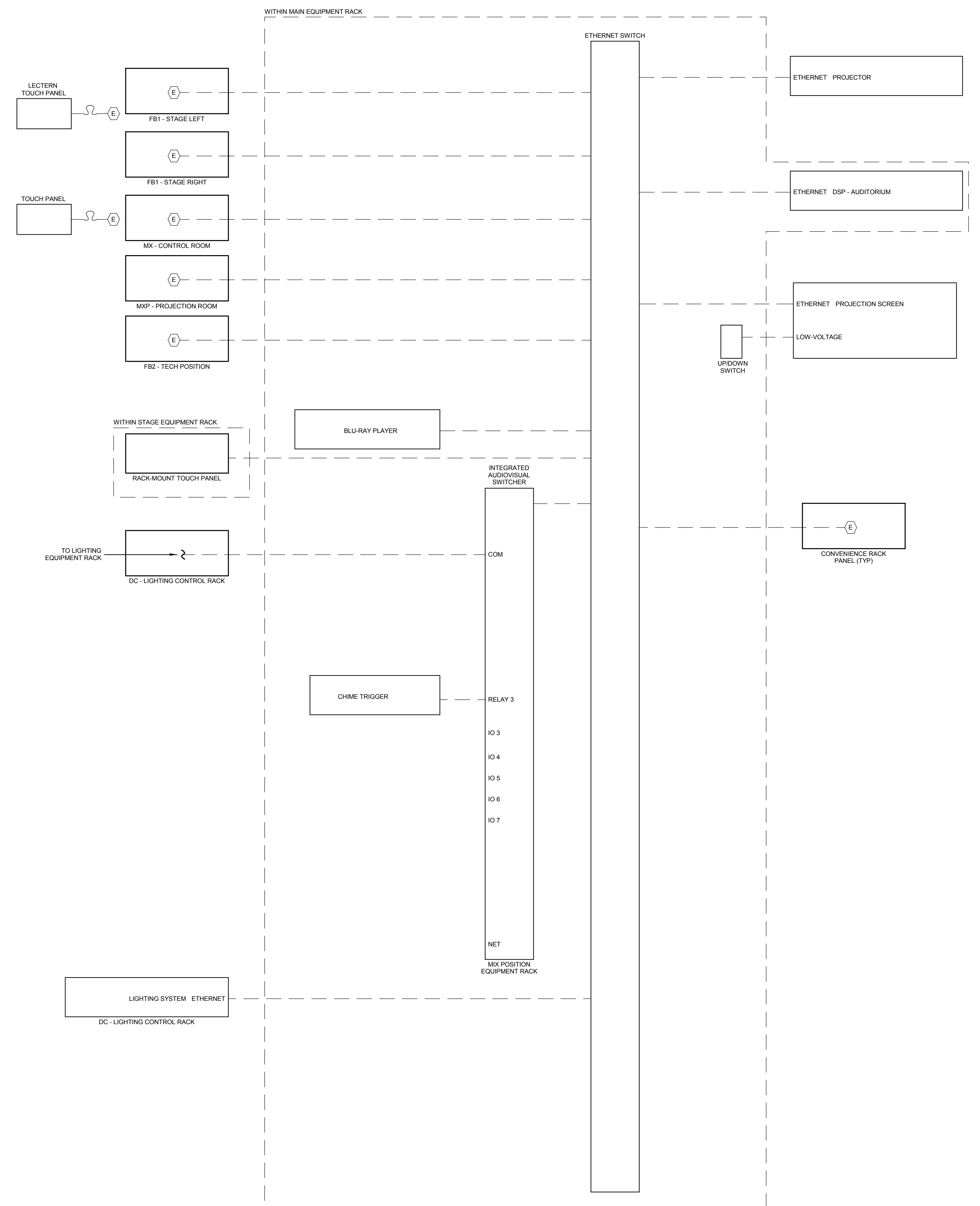
MUTE
BASIC MIX SYSTEM
MIXING CONSOLE
FUNCTIONS PER SPECIFICATION
MATCHES LECTERN PANEL

WITHIN MAIN EQUIPMENT RACK A4 EXCEPT WHERE NOTED

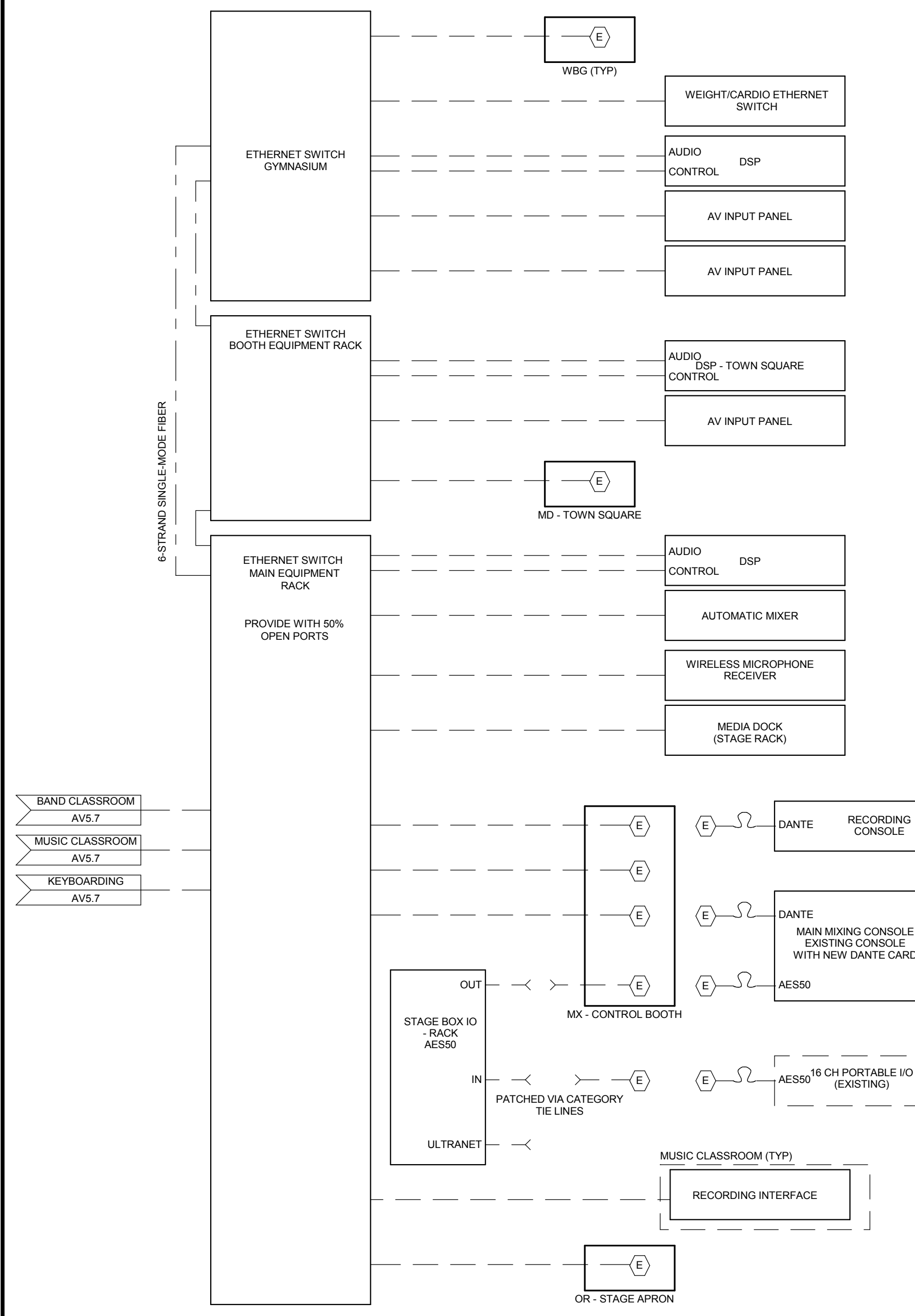
NOTE: ALL AMPLIFIERS AND DIGITAL SIGNAL PROCESSING DEVICES TO BE ON CONSTANT POWER AND PROVIDED WITH SECURITY COVERS



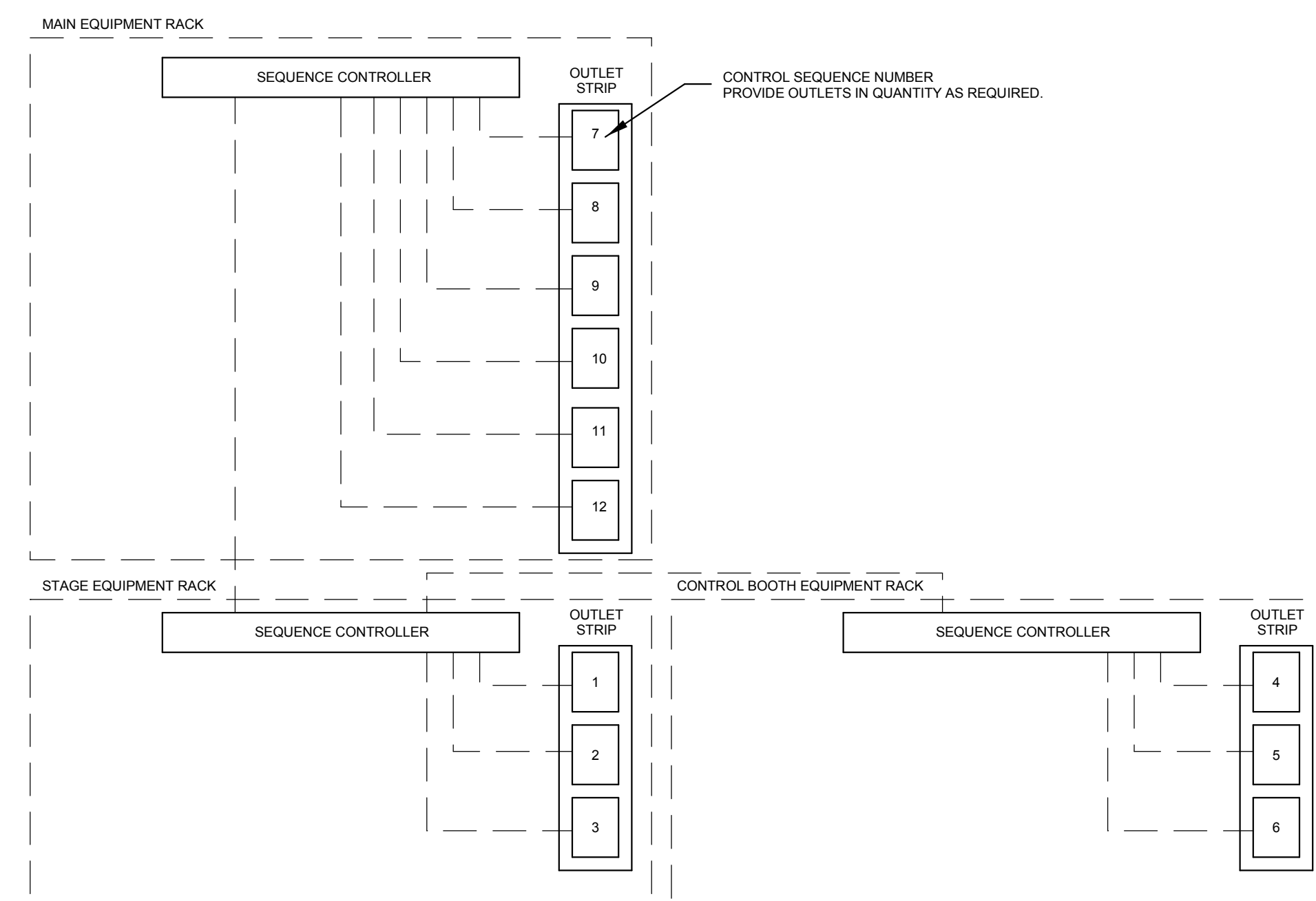
1 AUDITORIUM VIDEO PRESENTATION SYSTEM
NTS



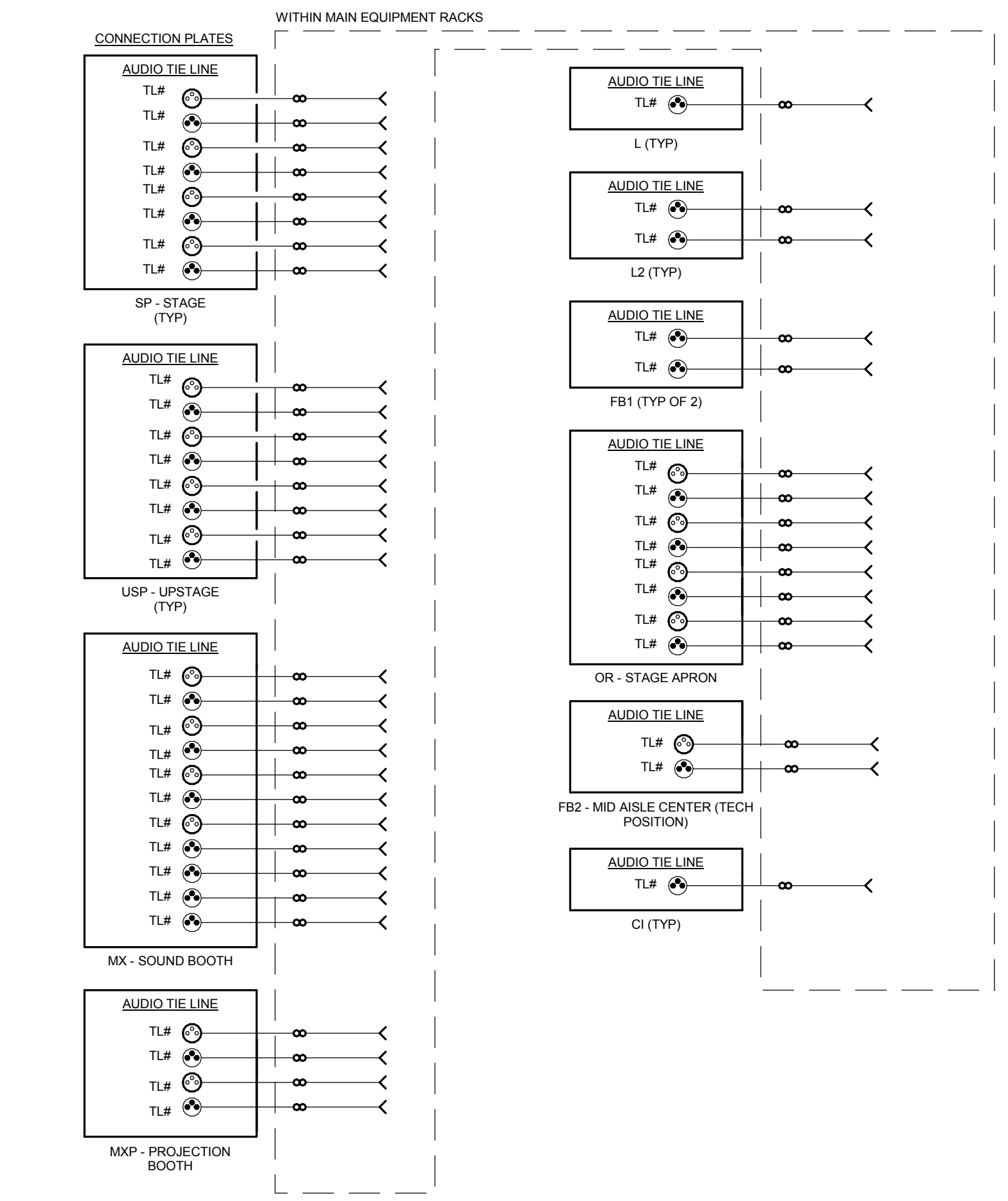
2 AUDITORIUM CONTROL SYSTEM
NTS



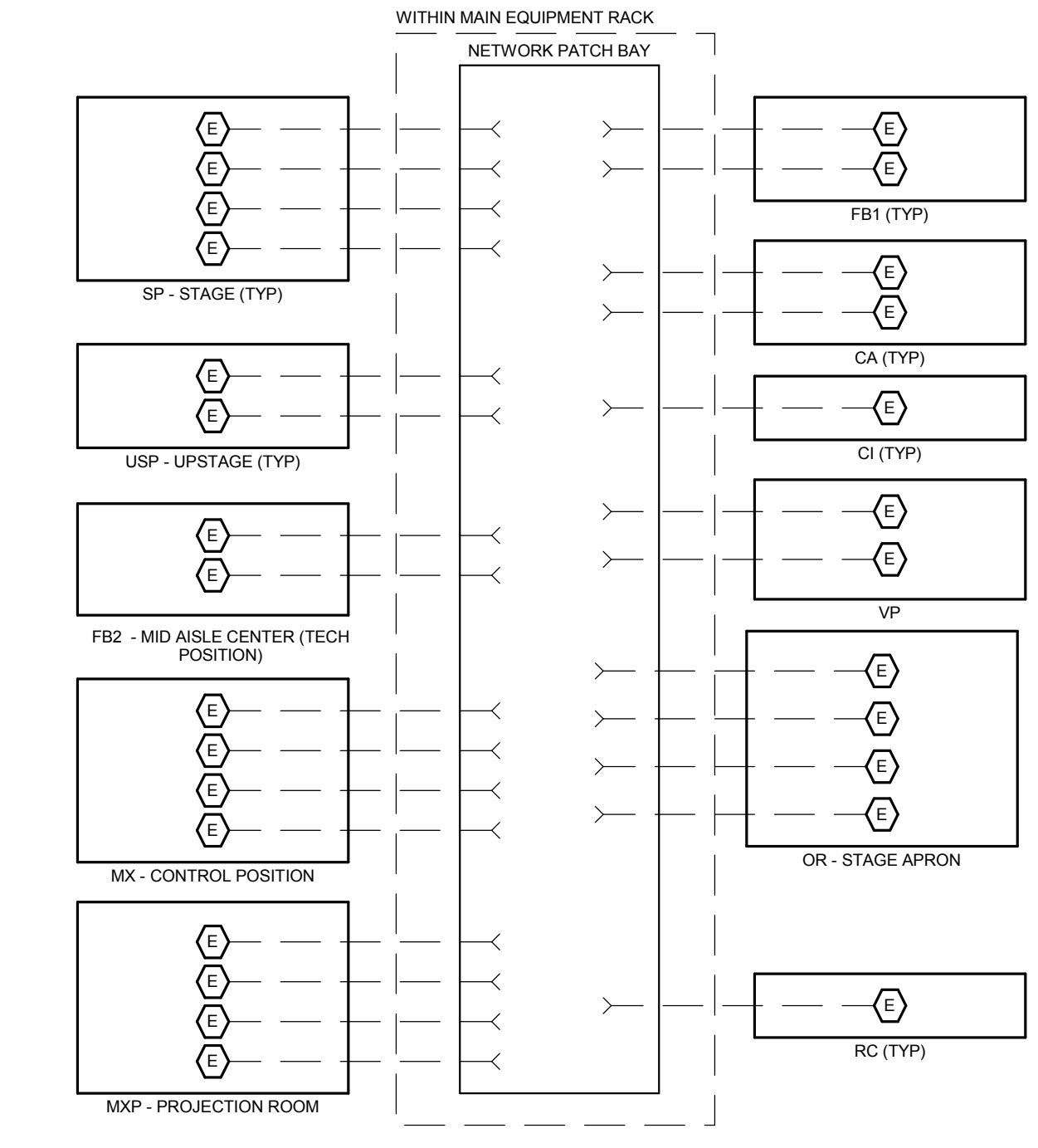
3 DIGITAL AUDIO NETWORK
NTS



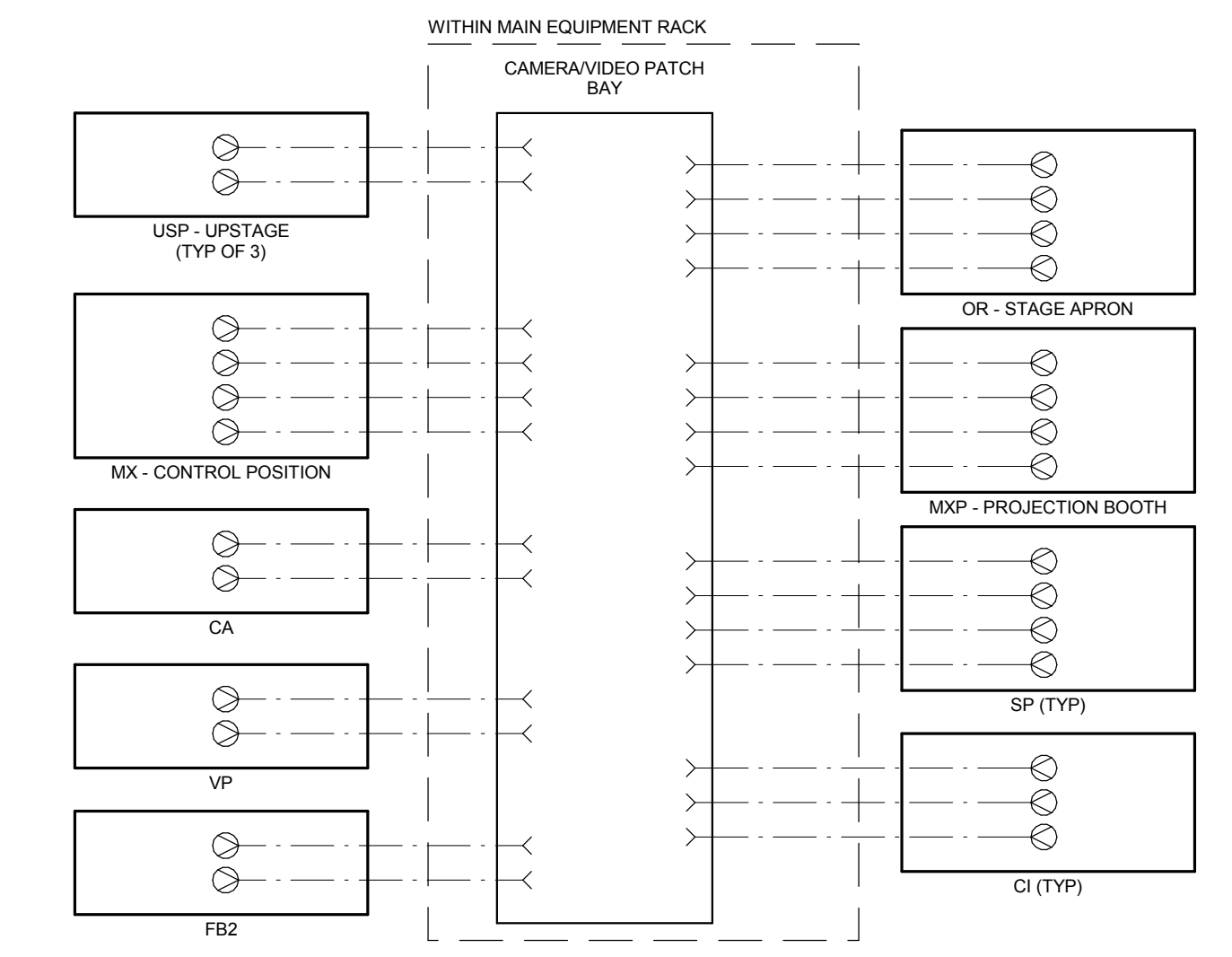
4 AUDITORIUM POWER SEQUENCING
NTS



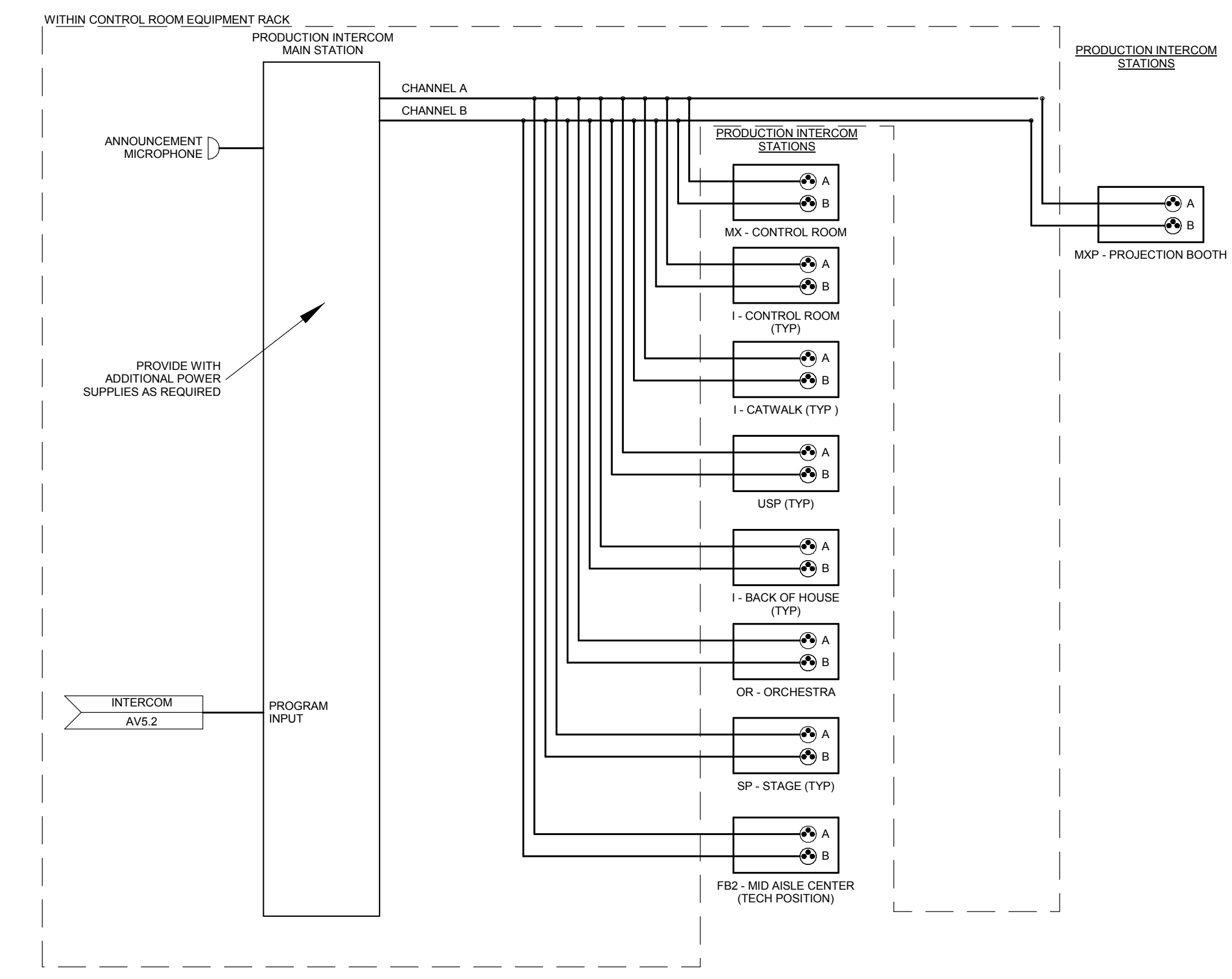
1 AUDITORIUM AUDIO TIE LINES
NTS



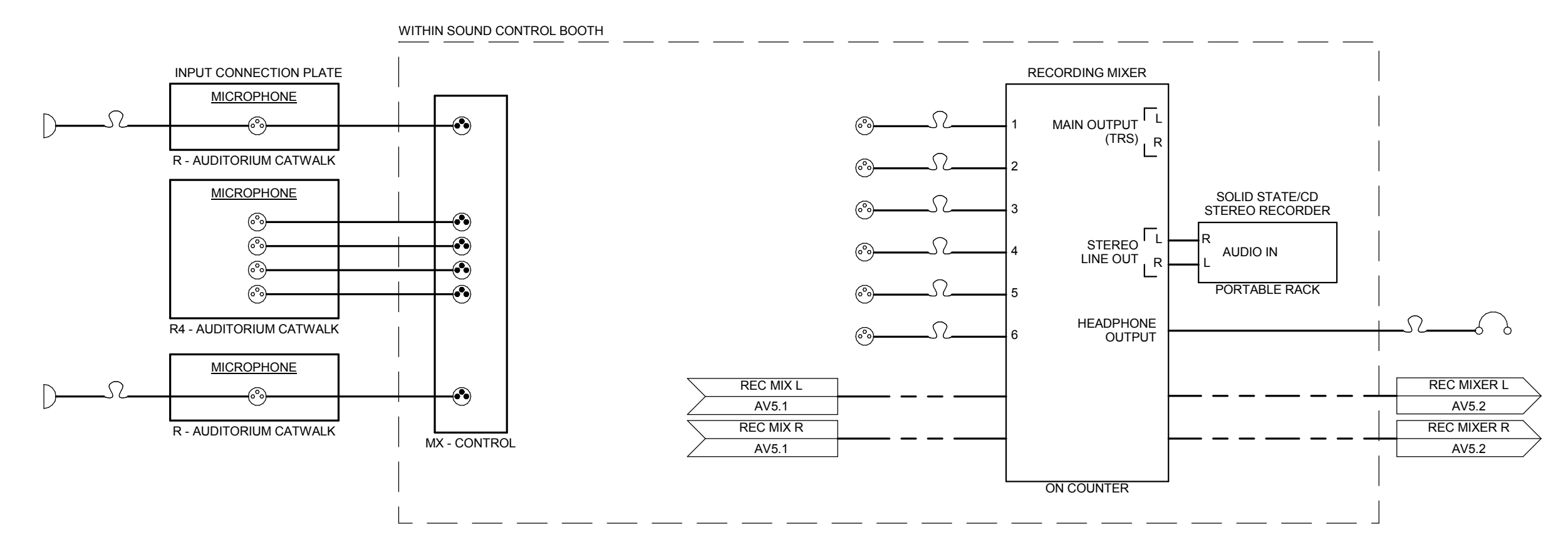
2 AUDITORIUM CATEGORY TIE LINES
NTS



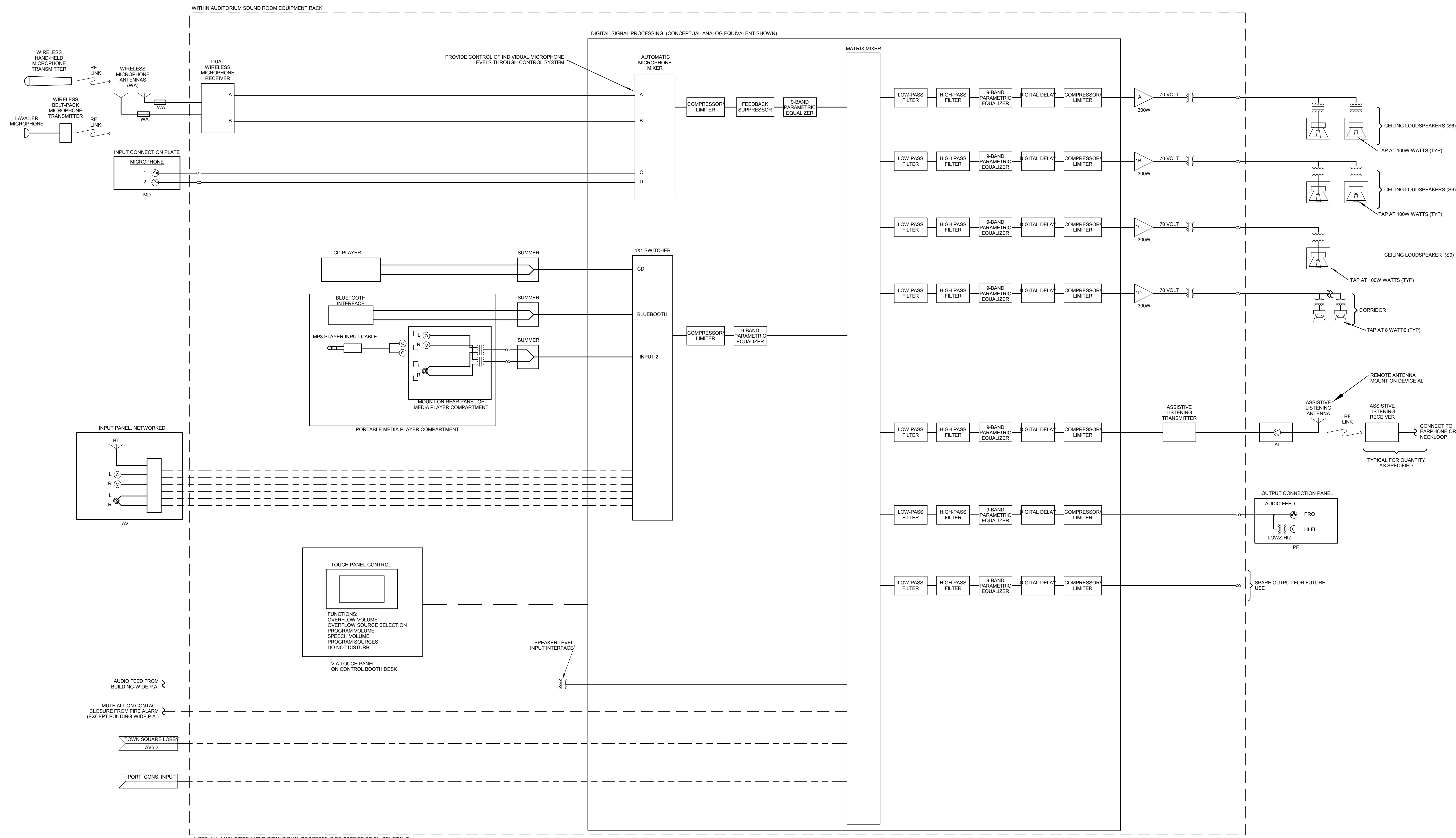
3 AUDITORIUM VIDEO TIE LINES
NTS



4 AUDITORIUM PRODUCTION INTERCOM SYSTEM
NTS

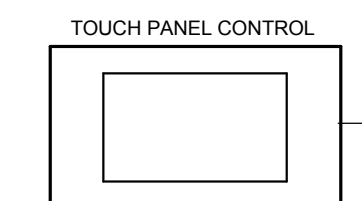


5 AUDITORIUM PRODUCTION AUDIO RECORDING
NTS

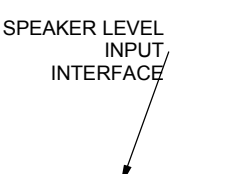
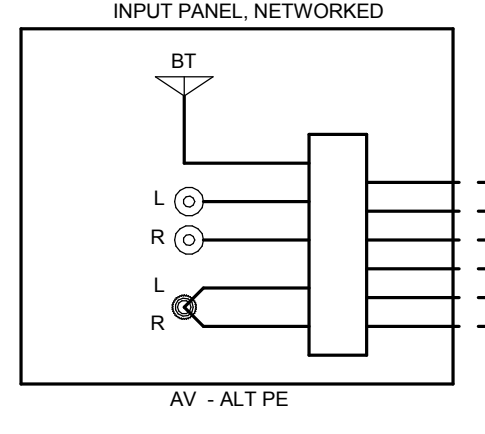
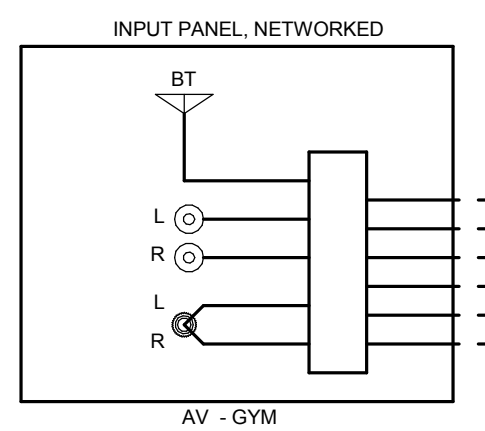
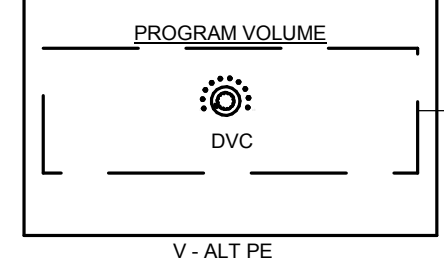
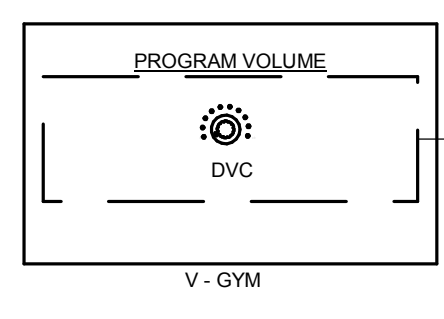
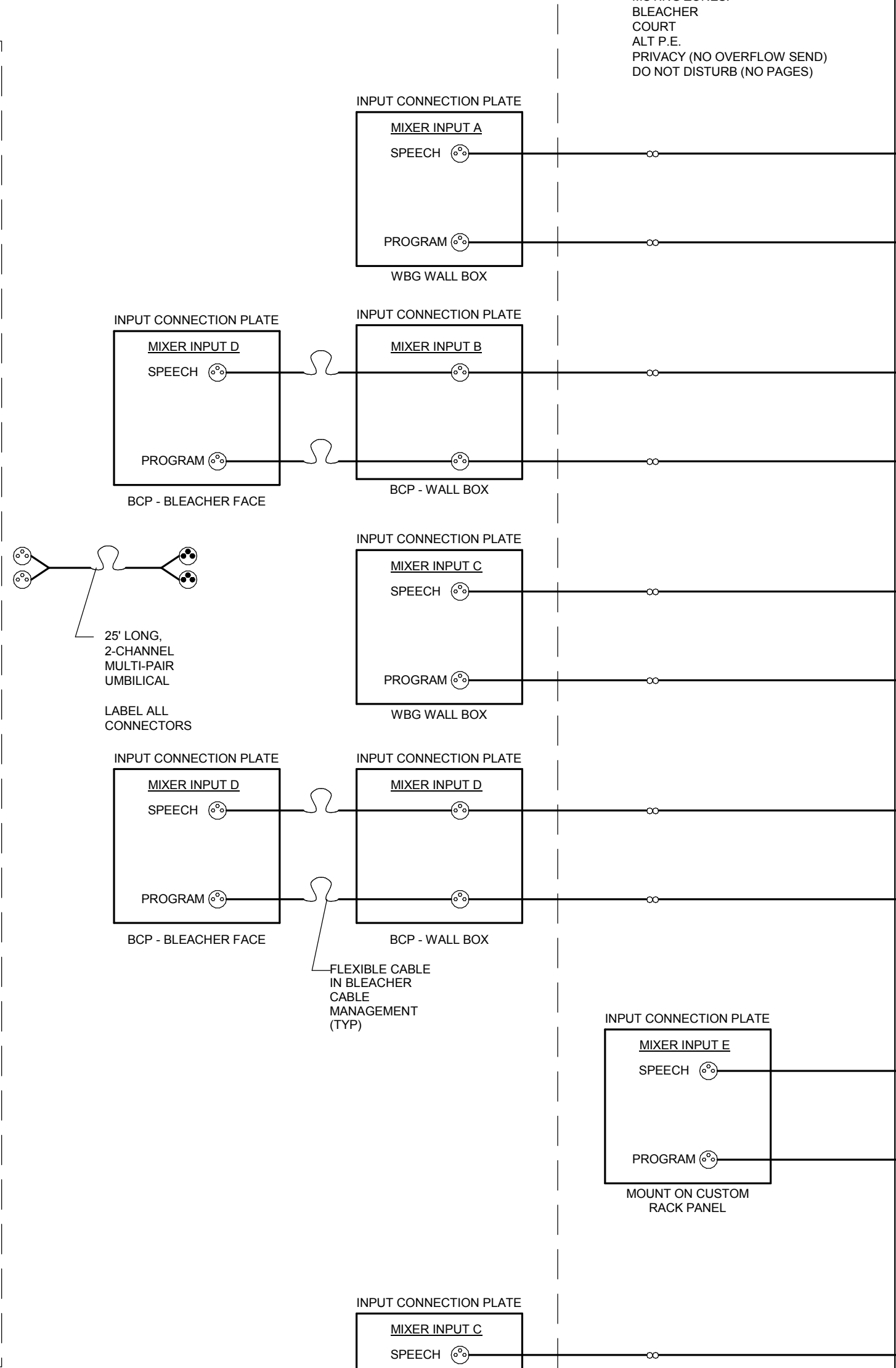
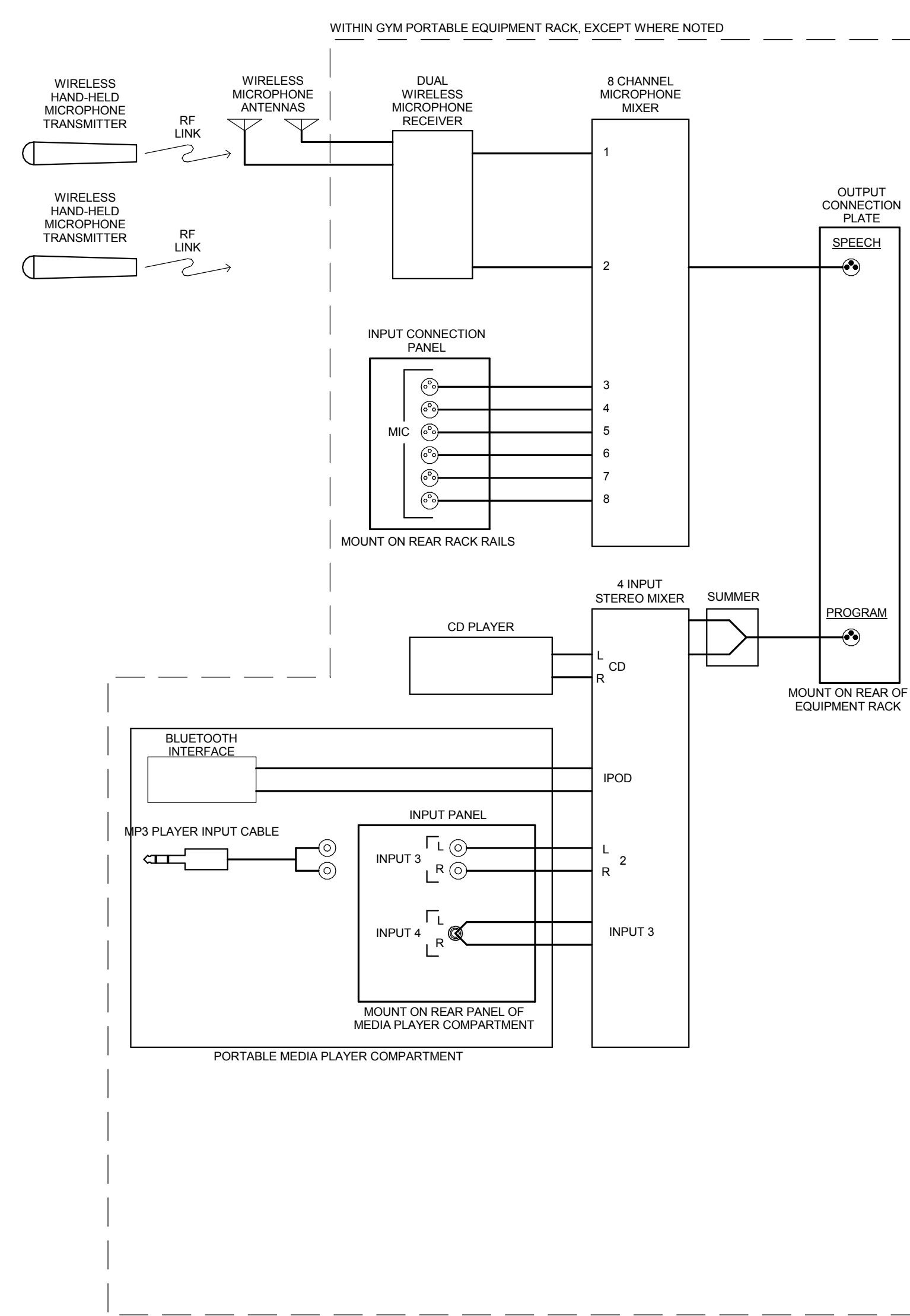


NOTE: ALL AMPLIFIERS AND DIGITAL SIGNAL PROCESSING DEVICES TO BE ON CONSTANT POWER AND PROVIDED WITH SECURITY COVERS

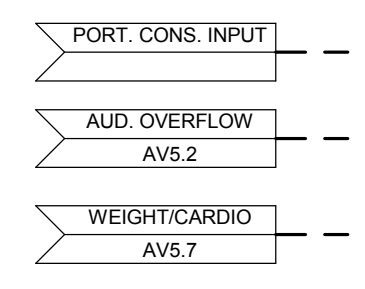
WITHIN GYM EQUIPMENT RACK
DIGITAL SIGNAL PROCESSING (CONCEPTUAL, ASR/CG EQUIVALENT SHOWN)



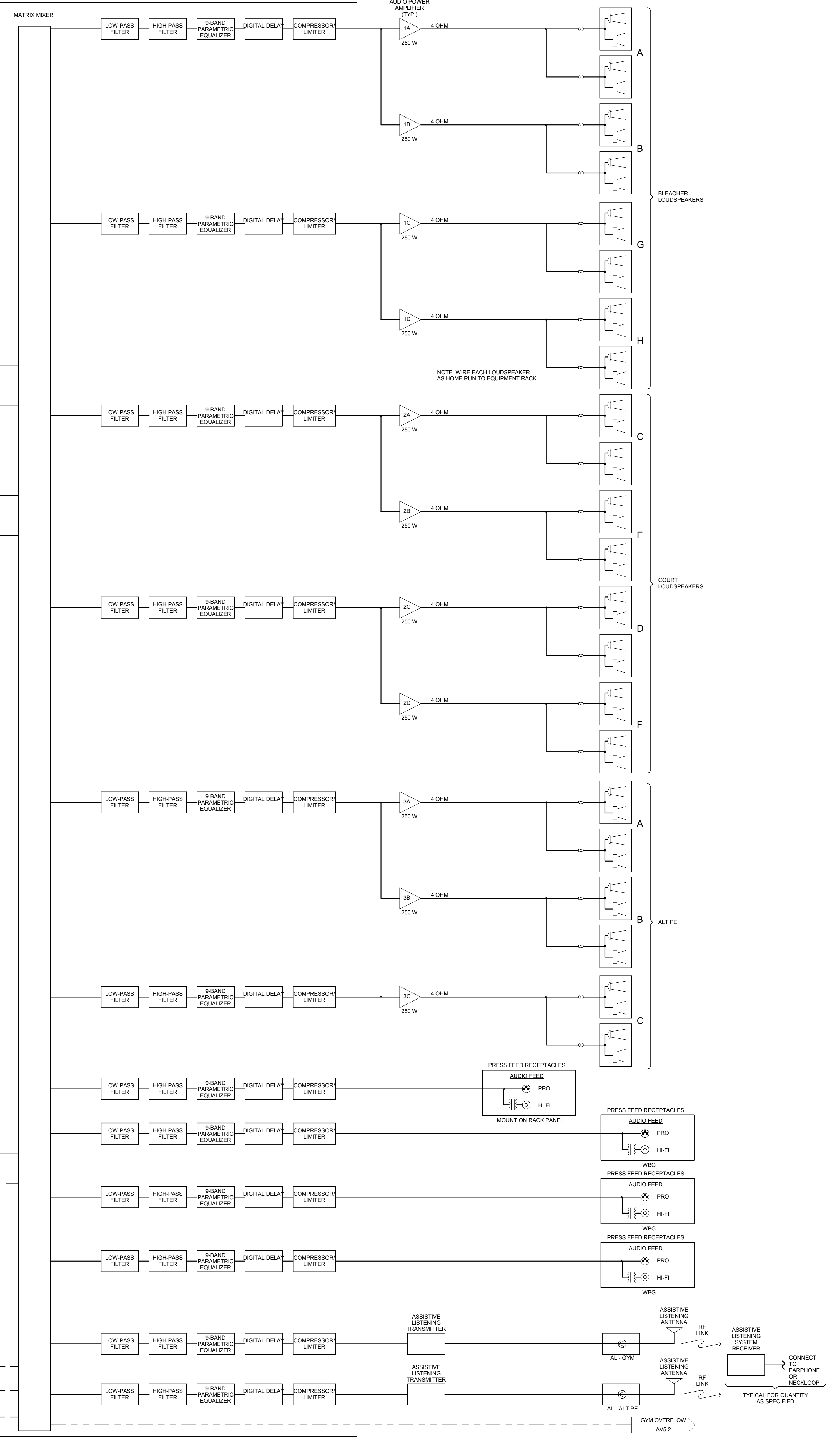
FUNCTIONS:
OVERFLOW VOLUME
OVERFLOW SOURCE SELECT
AUDITORIUM
TOWN SQUARE
PROGRAM VOLUME
PROGRAM SOURCES, BY ROOM
LINK ROOMS
MUTING ZONES:
BLEACHER
COURT
ALT P.E.
PRIVACY (NO OVERFLOW SEND)
DO NOT DISTURB (NO PAGES)



AUDIO FEES FROM BUILDING-WIDE P.A.
MUTE ALL ON CONTACT CLOSURE FROM FIRE ALARM (EXCEPT BUILDING-WIDE P.A.)

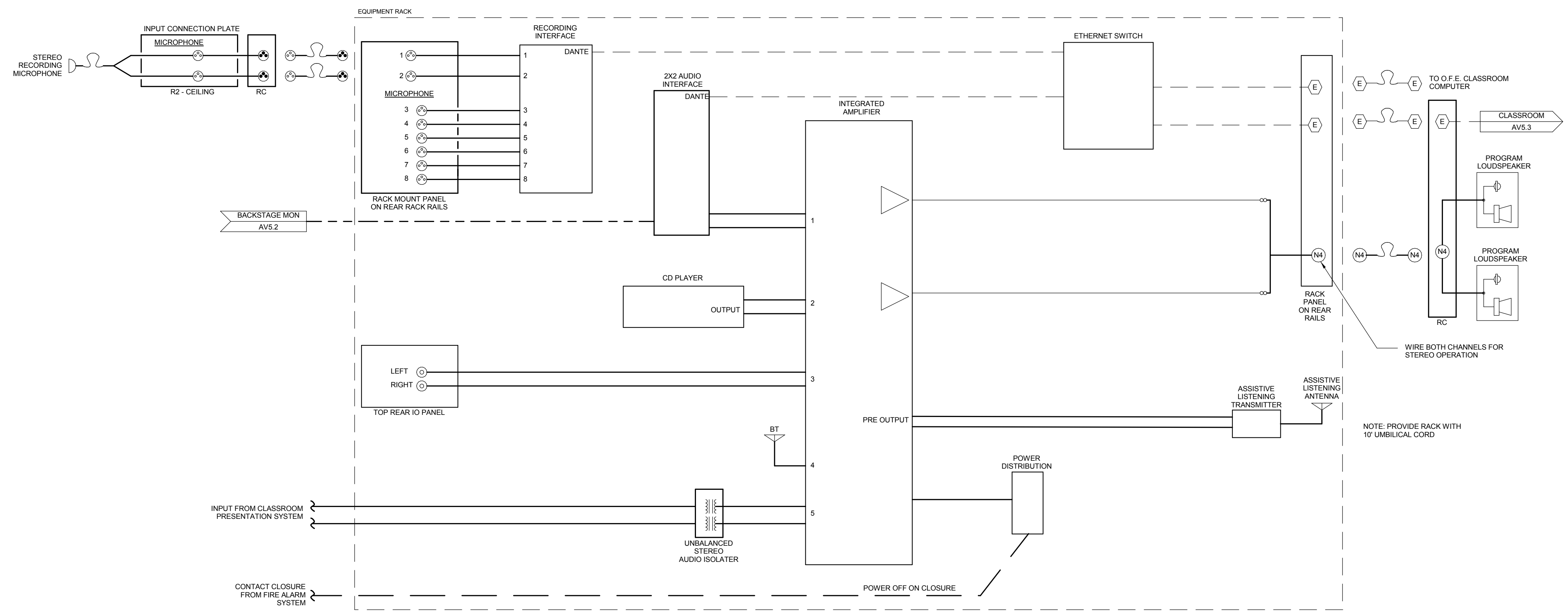


NOTE: ALL AMPLIFIERS AND DIGITAL SIGNAL PROCESSING DEVICES TO BE ON CONSTANT POWER AND PROVIDED WITH SECURITY COVERS

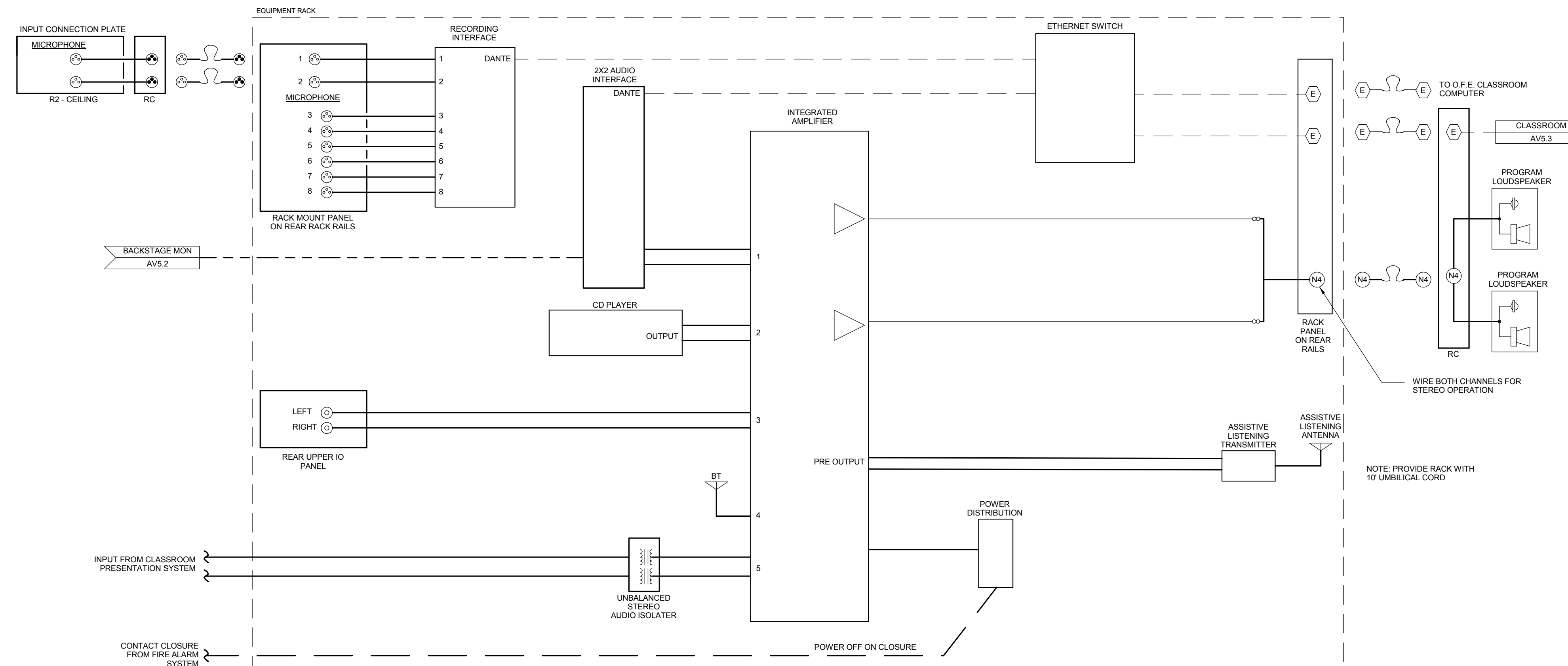


NOTE: WIRE EACH LOUDSPEAKER AS HOME RUN TO EQUIPMENT RACK

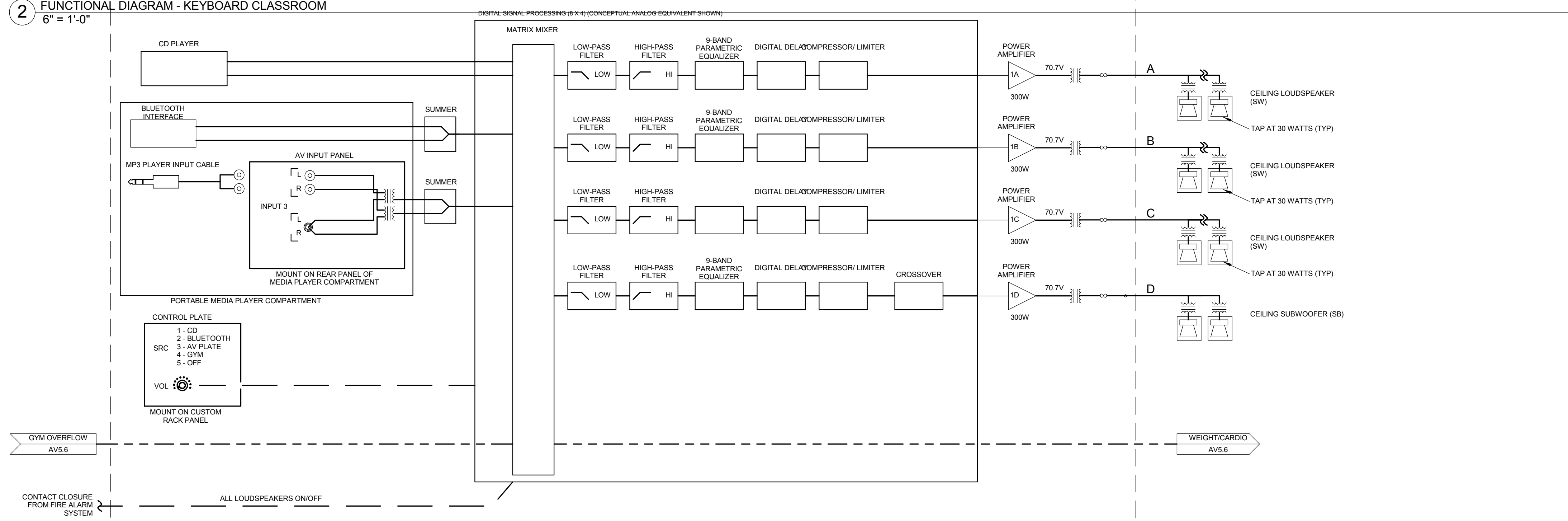
TYPICAL FOR QUANTITY AS SPECIFIED



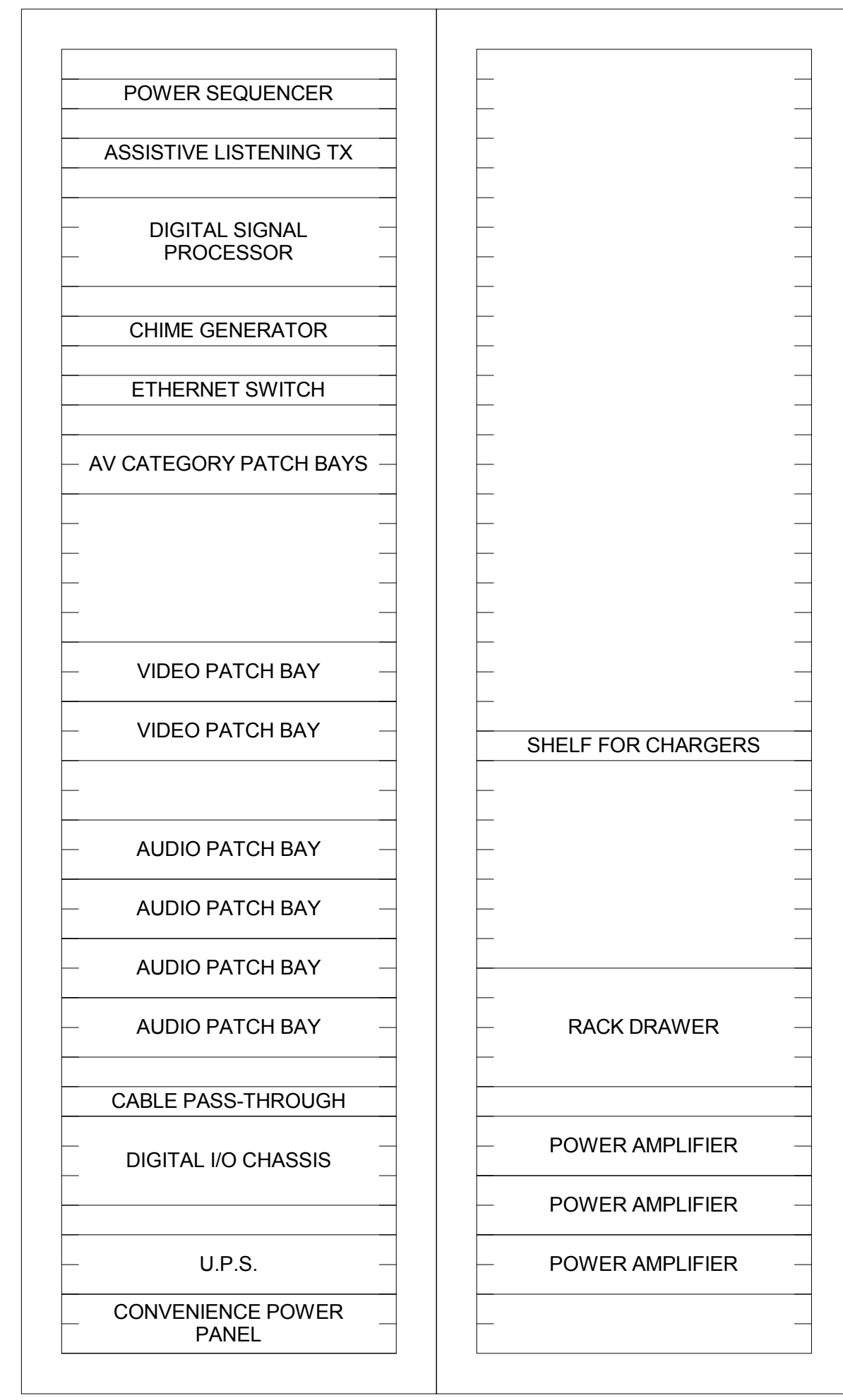
1 FUNCTIONAL DIAGRAM - BAND AND MUSIC CLASSROOMS
NTS



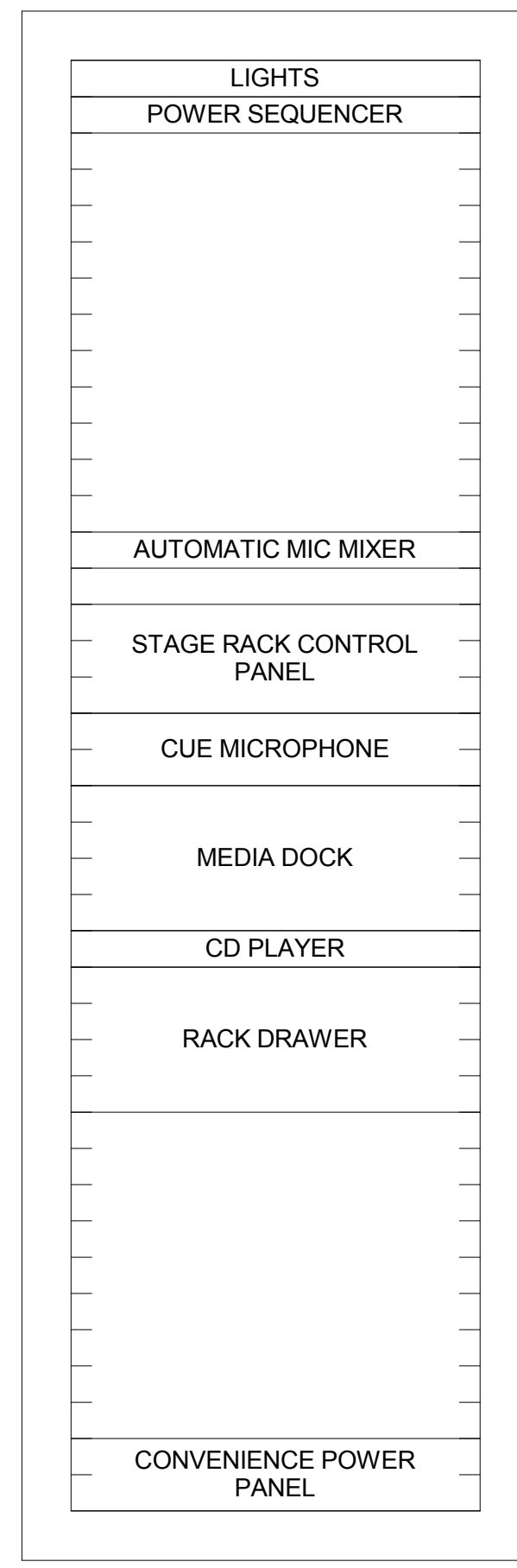
2 FUNCTIONAL DIAGRAM - KEYBOARD CLASSROOM
6" = 1'-0"



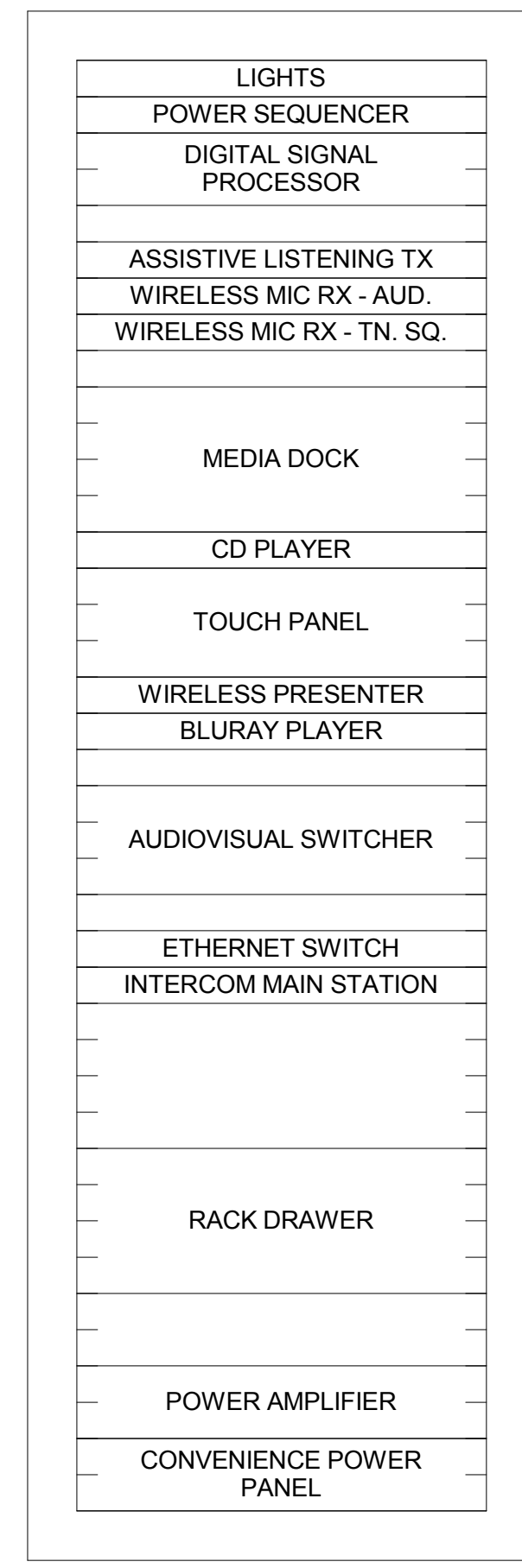
3 FUNCTIONAL DIAGRAM - WEIGHT/CARDIO ROOM
NTS



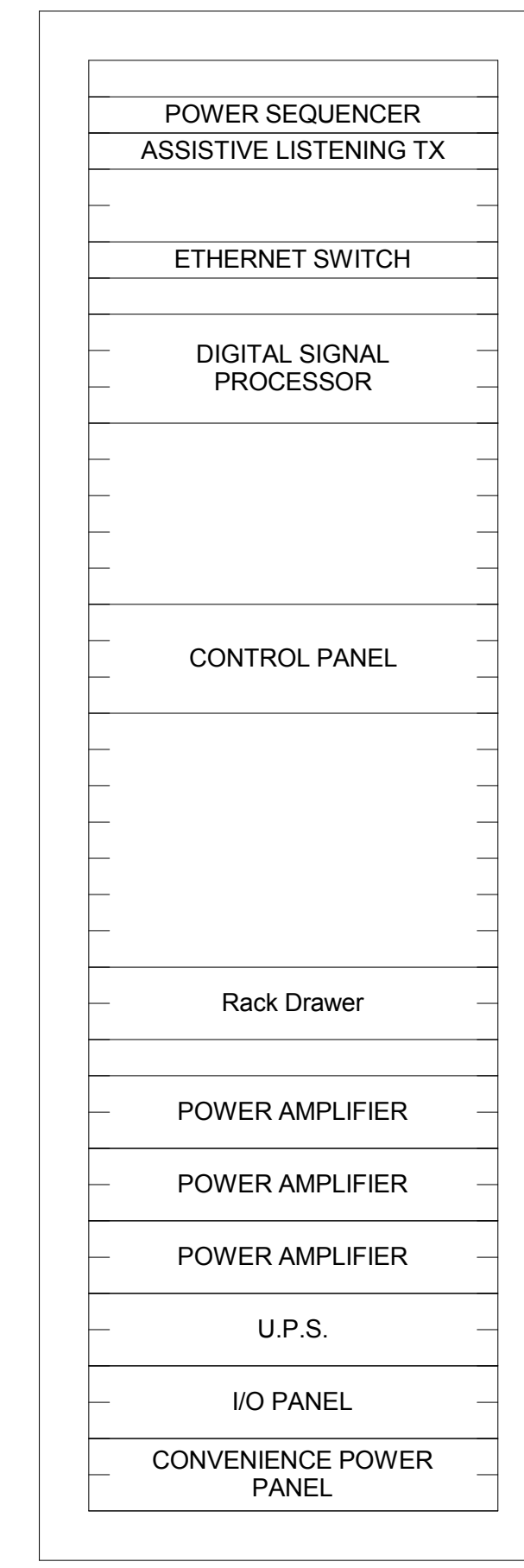
1 ELEVATION - AUDITORIUM MAIN EQUIPMENT RACKS
NTS



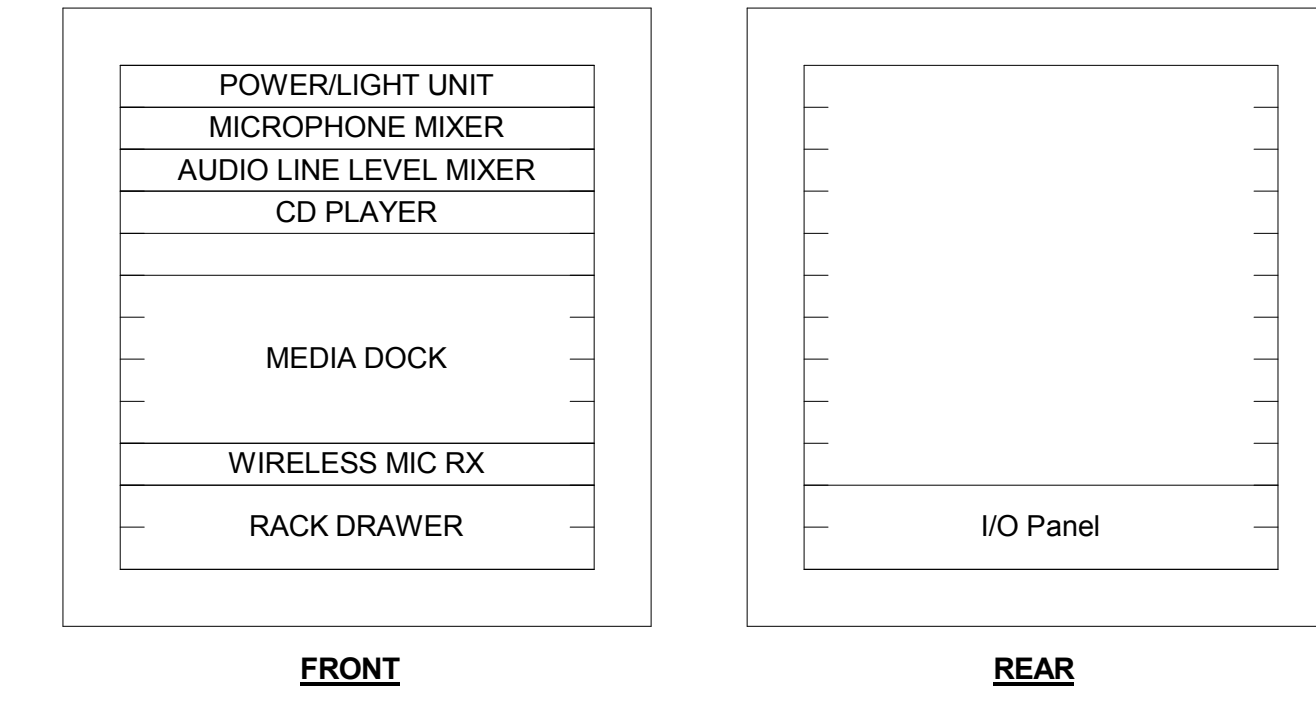
2 ELEVATION - AUDITORIUM STAGE EQUIPMENT RACK
NTS



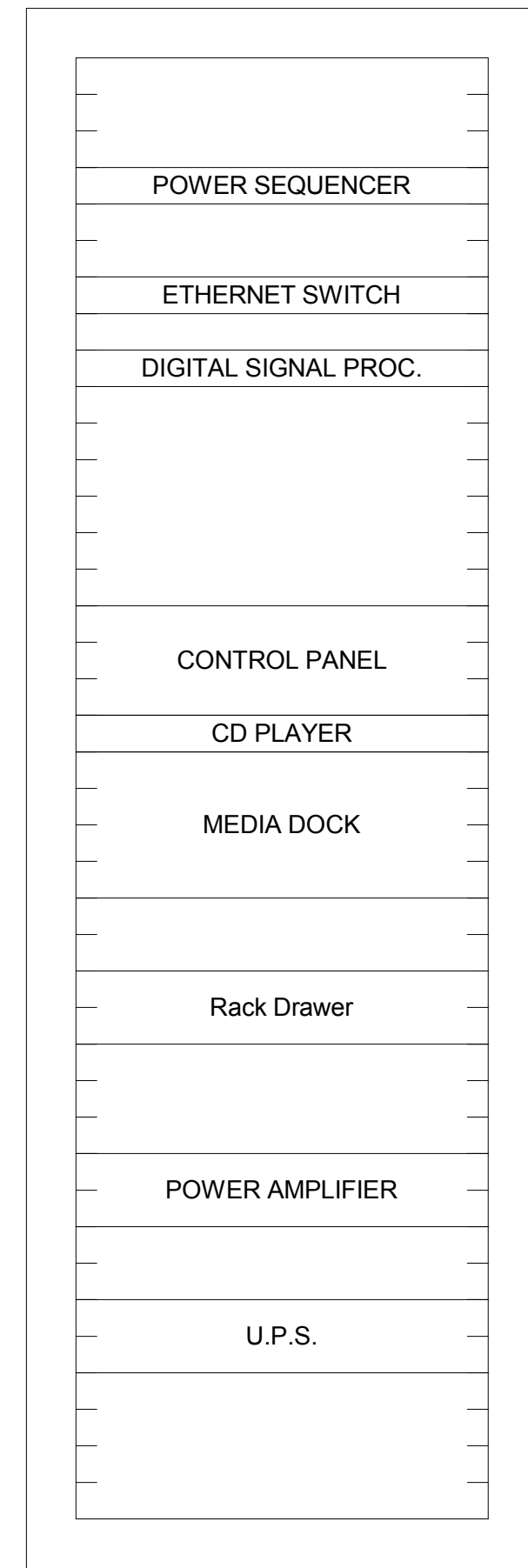
3 ELEVATION - AUDITORIUM SOUND BOOTH EQUIPMENT RACK
NTS



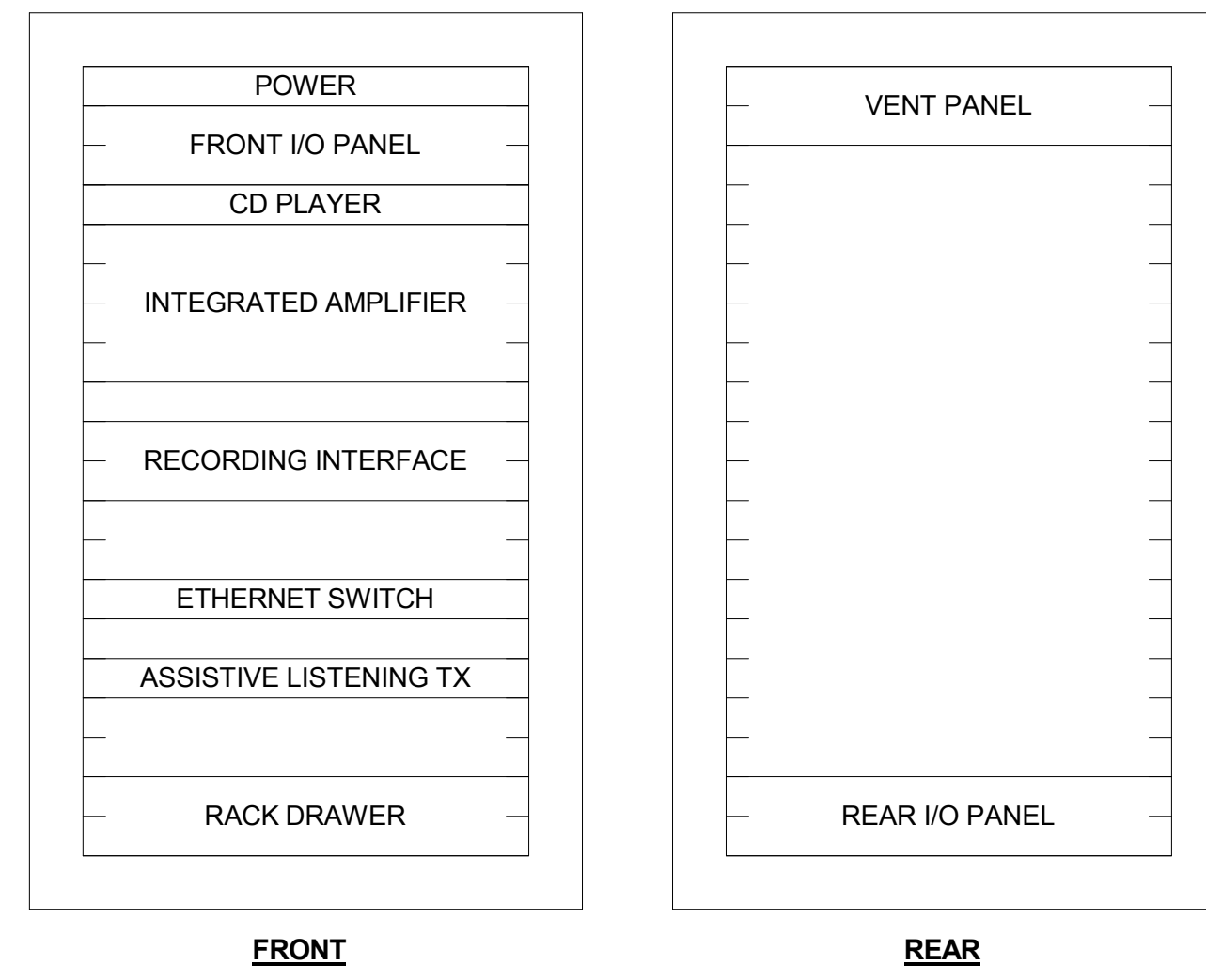
4 ELEVATION - GYM EQUIPMENT RACK
NTS



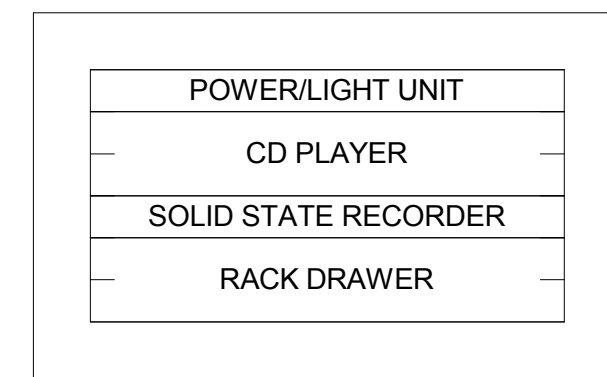
5 ELEVATION - GYM ROLLING EQUIPMENT RACK
NTS



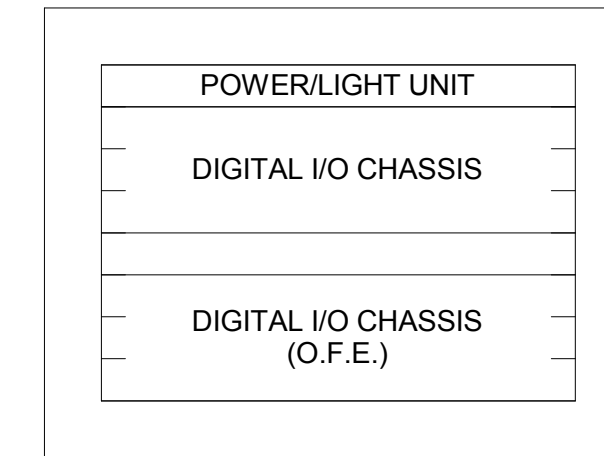
6 ELEVATION - CARDIO EQUIPMENT RACK
NTS



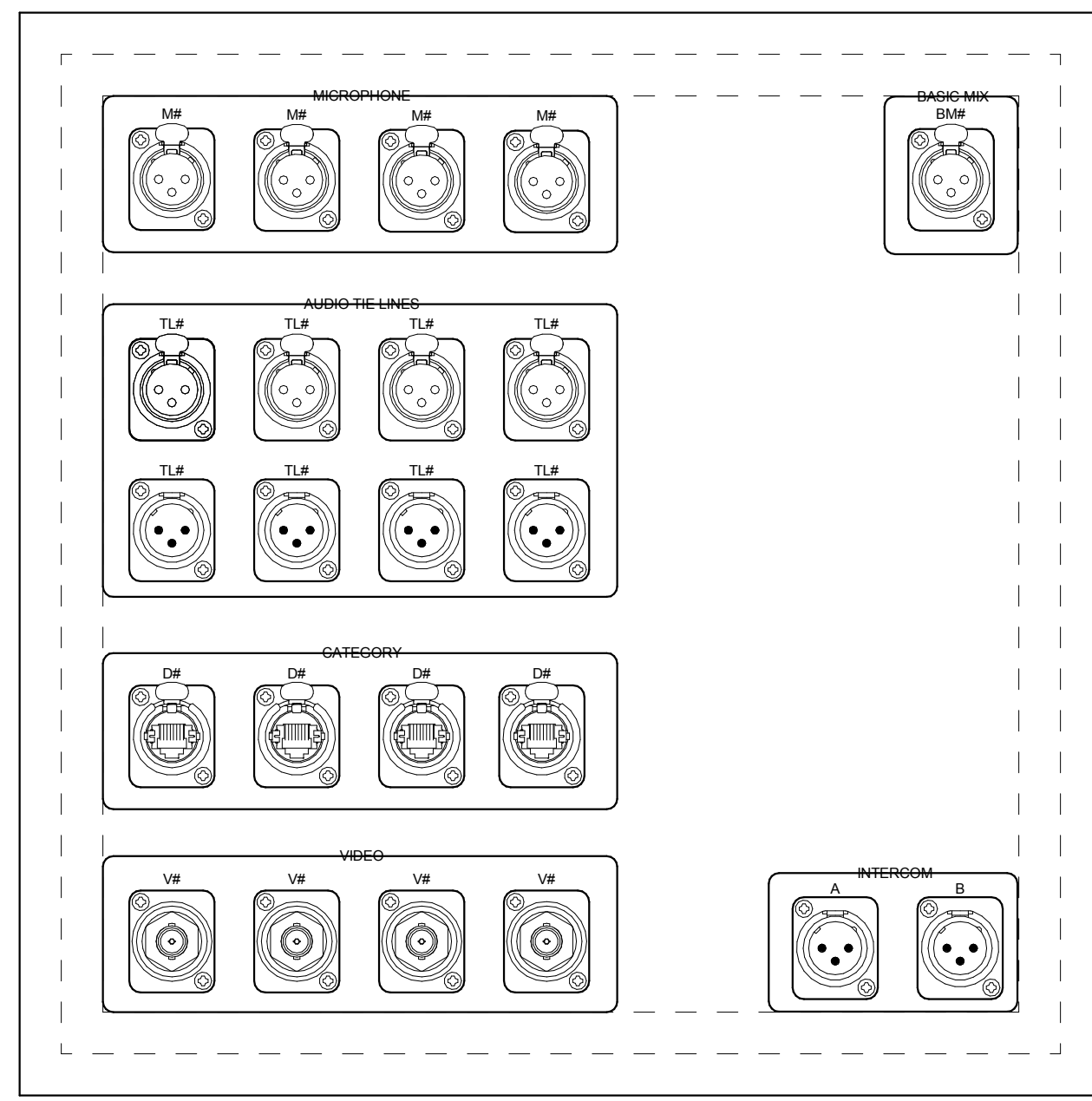
7 ELEVATION - CLASSROOM EQUIPMENT RACK
NTS



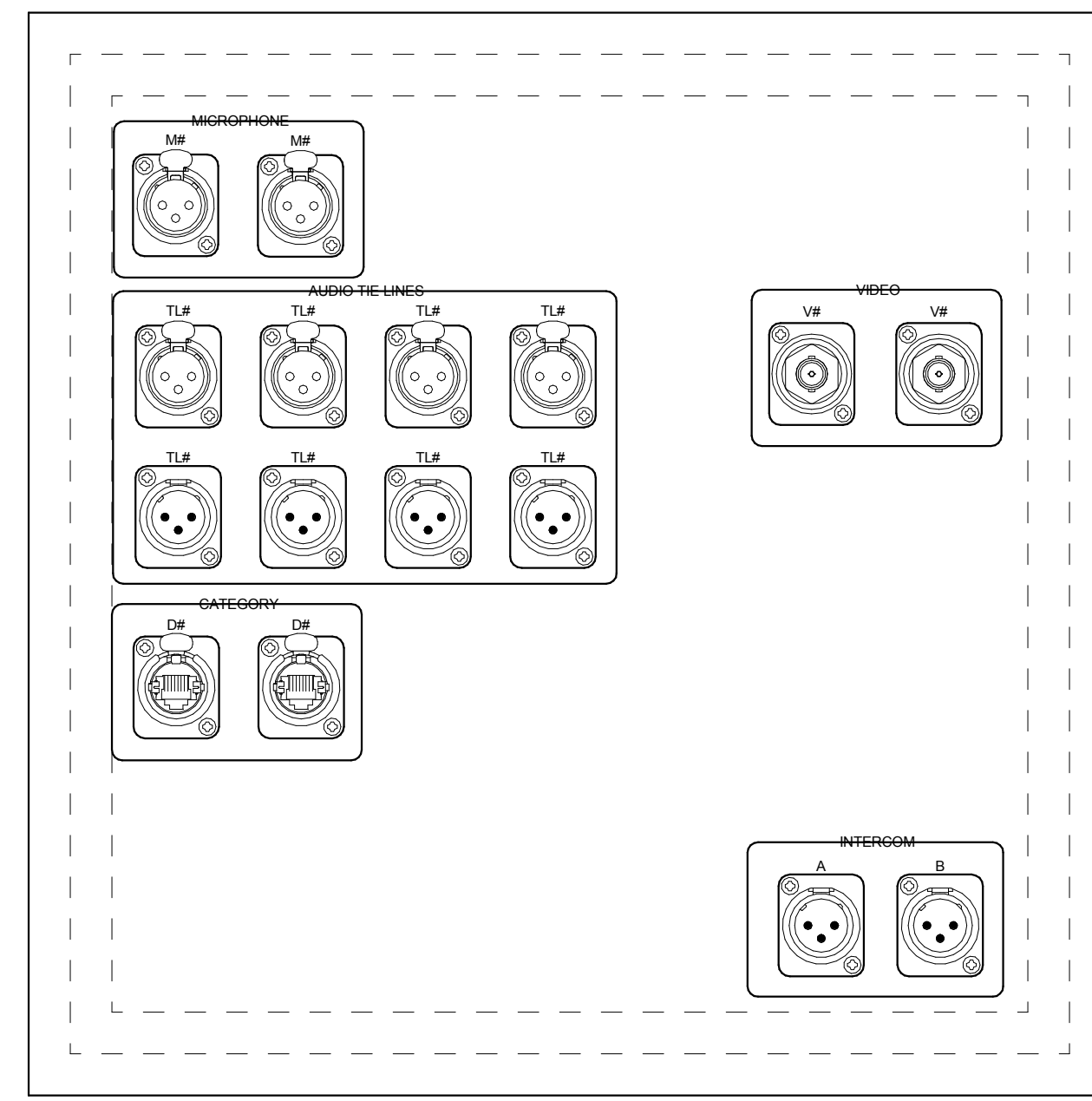
8 ELEVATION - AUDITORIUM PORTABLE PLAYBACK EQUIPMENT RACK
NTS



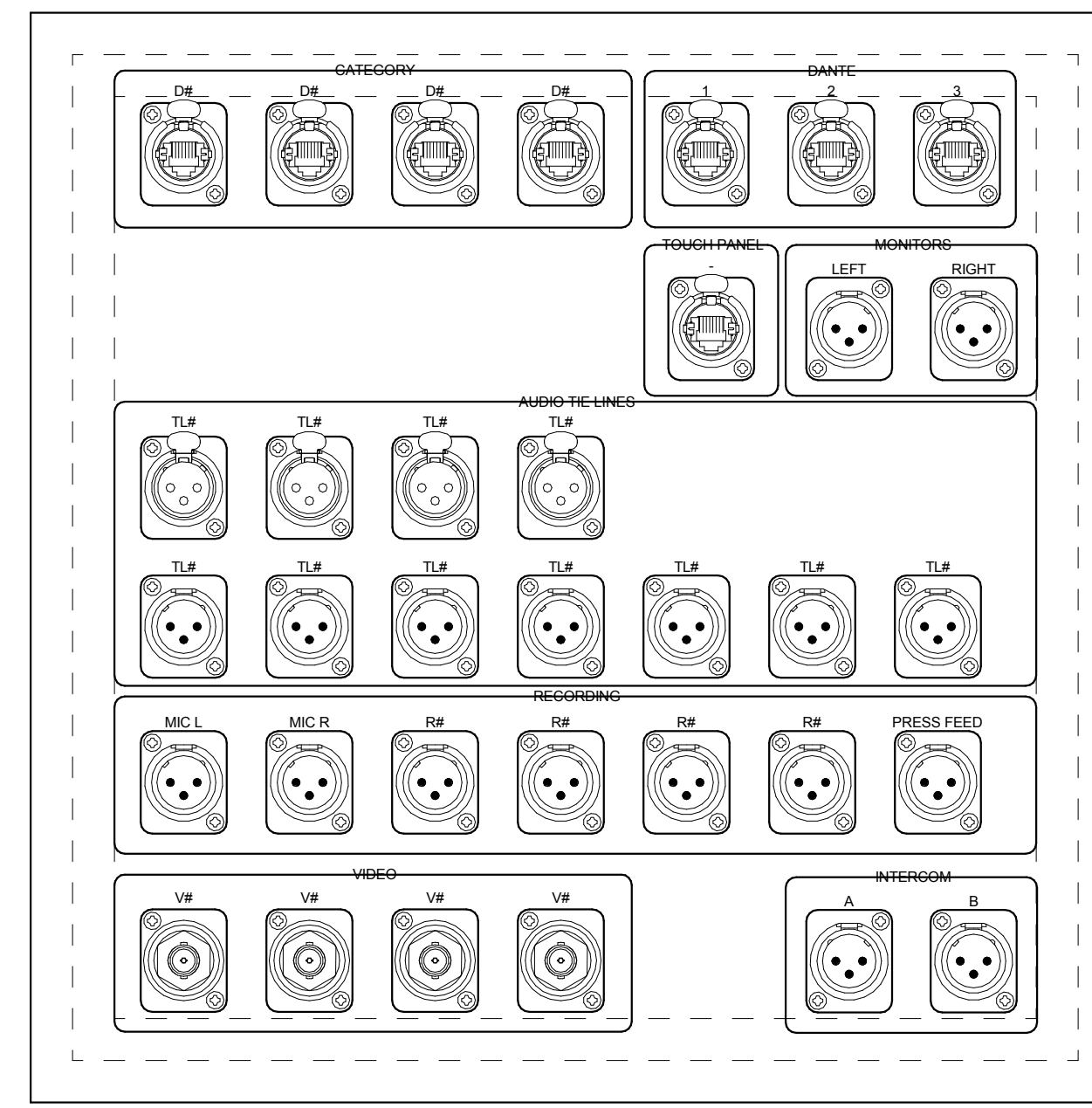
9 ELEVATION - AUDITORIUM PORTABLE I/O EQUIPMENT RACK
NTS



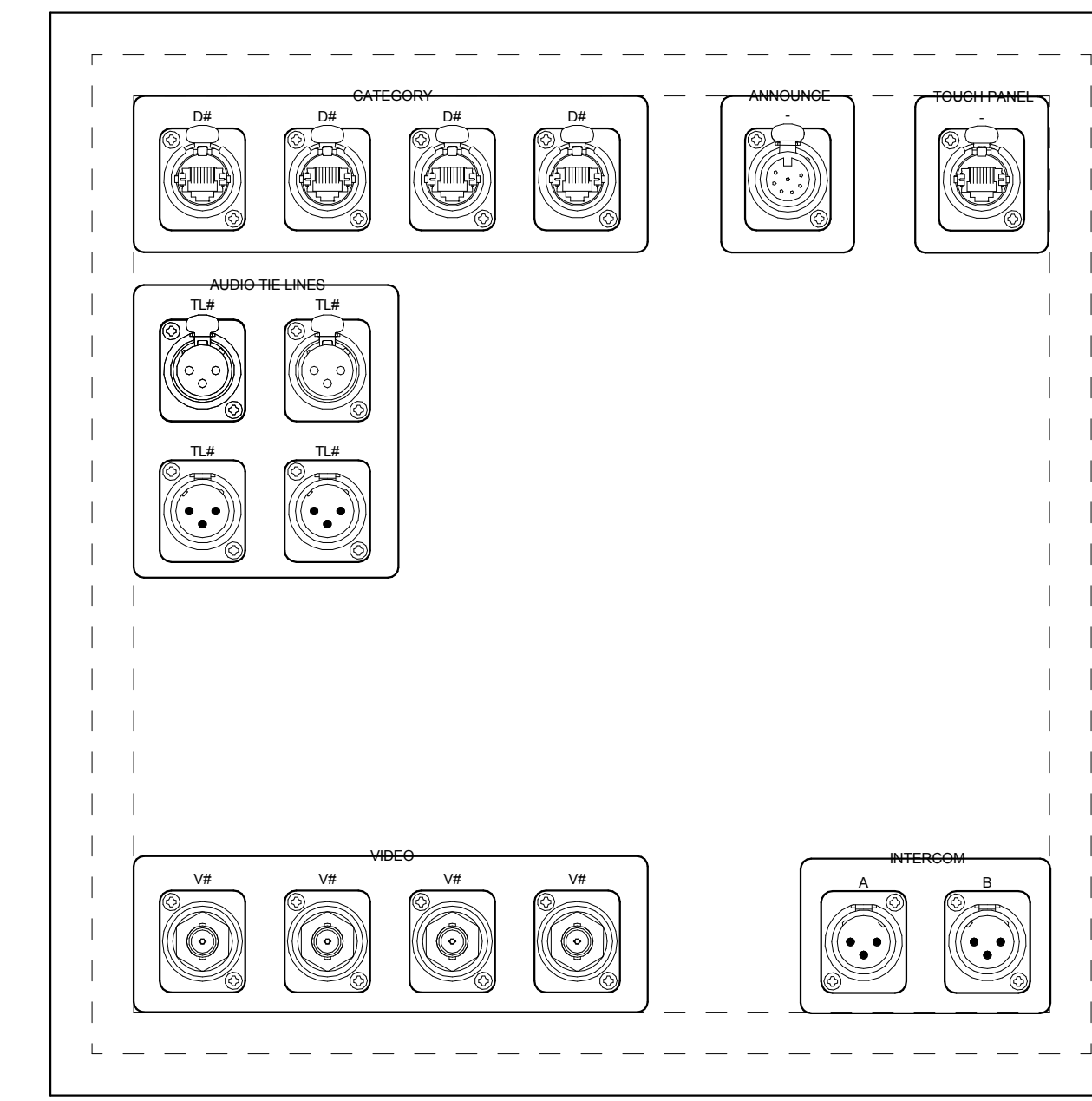
1 Device Detail - SP
6" = 1'-0"



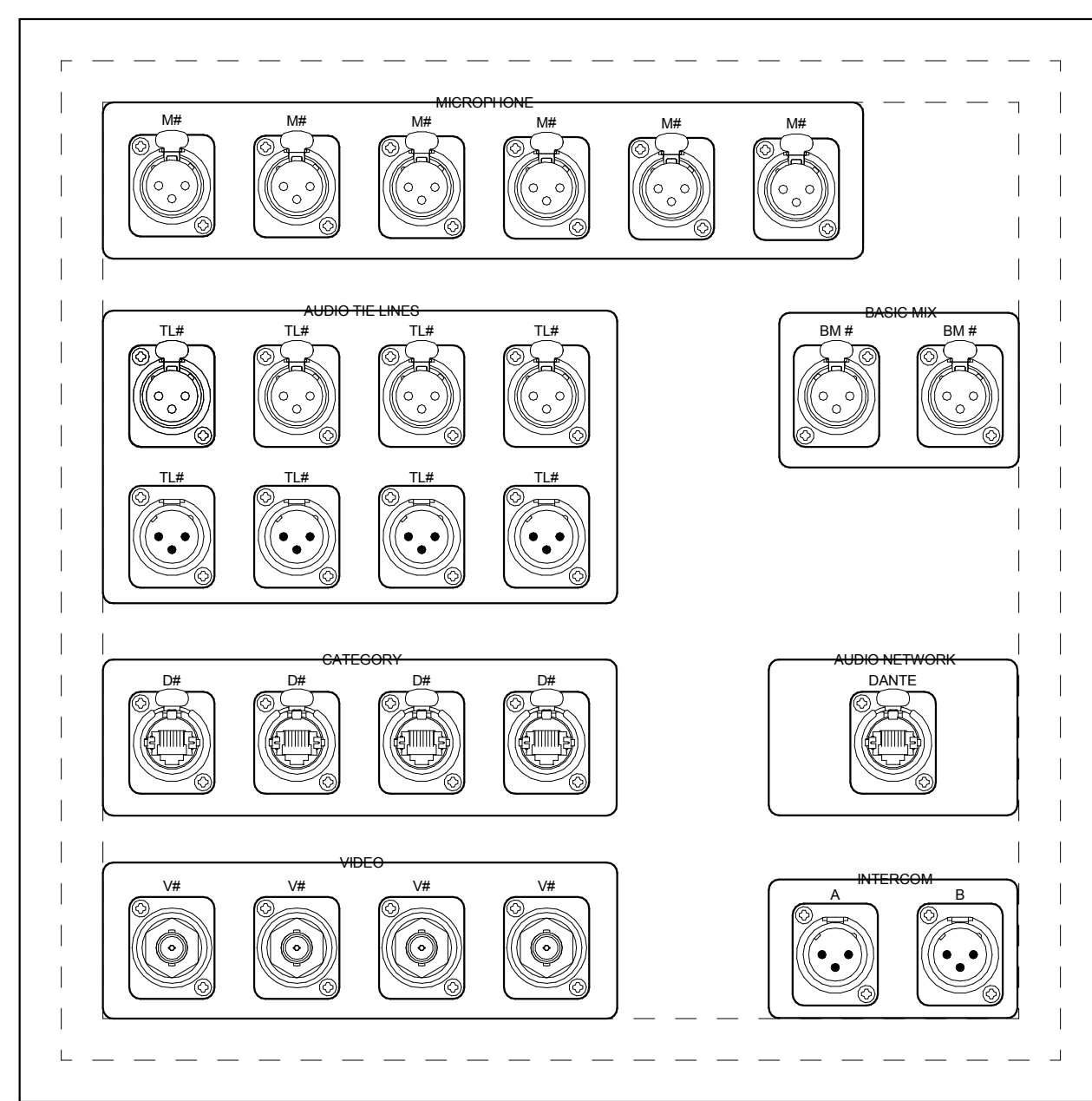
2 Device Detail - USP
6" = 1'-0"



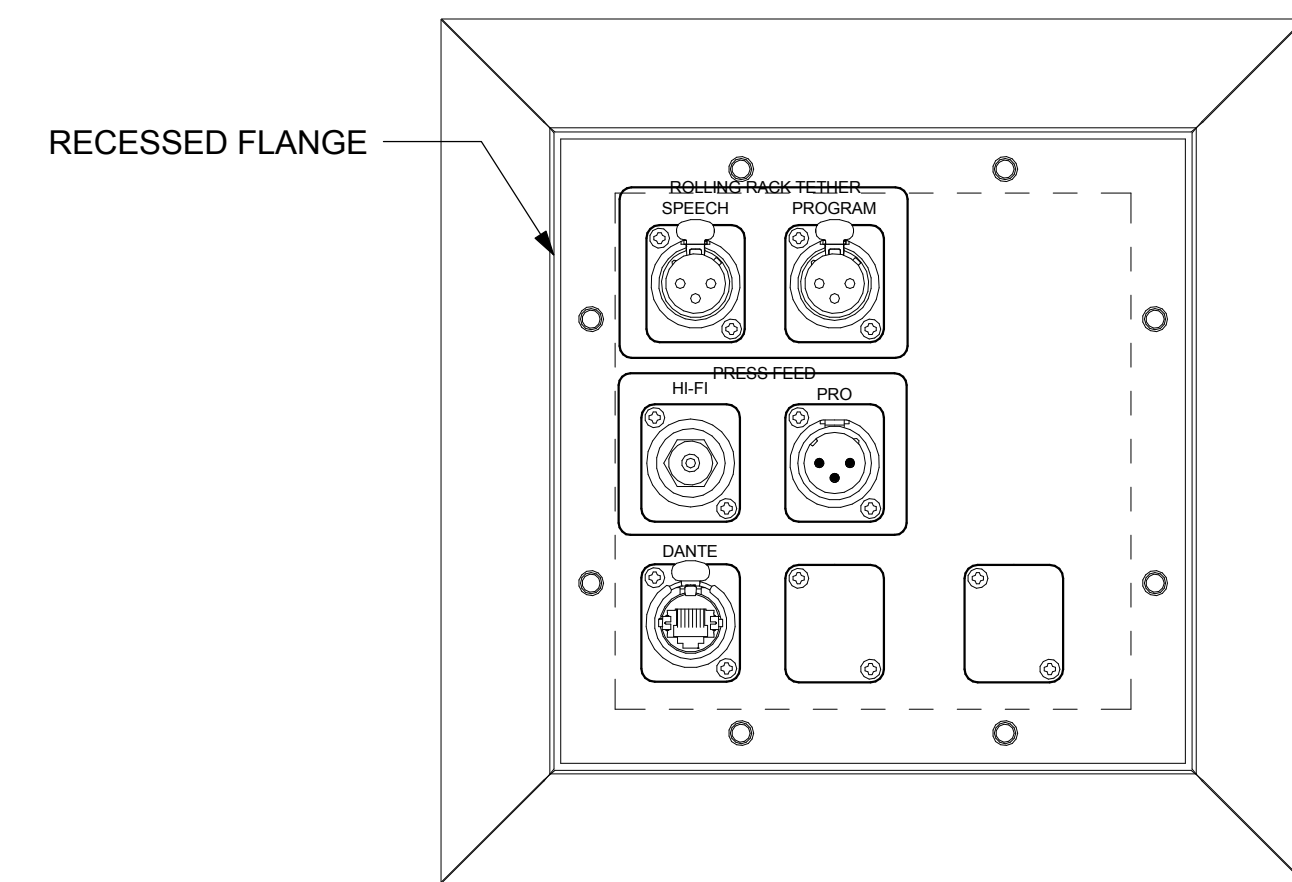
3 Device Detail - MX
6" = 1'-0"



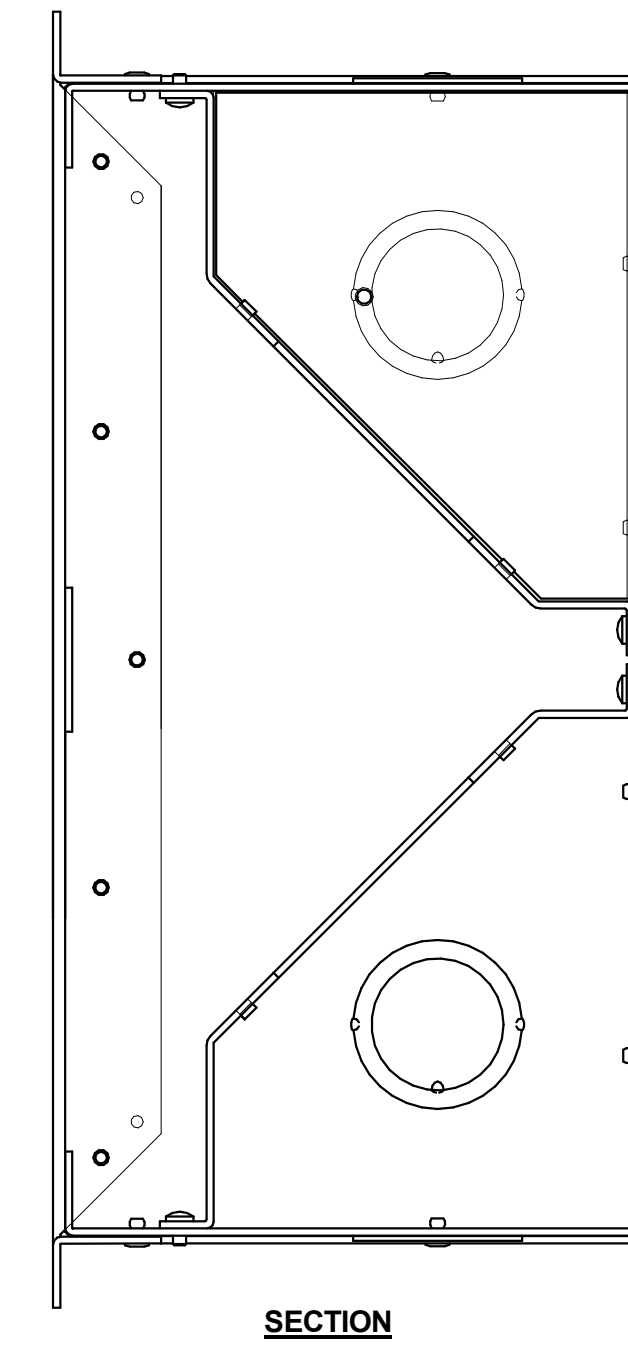
4 Device Detail - MXP
6" = 1'-0"



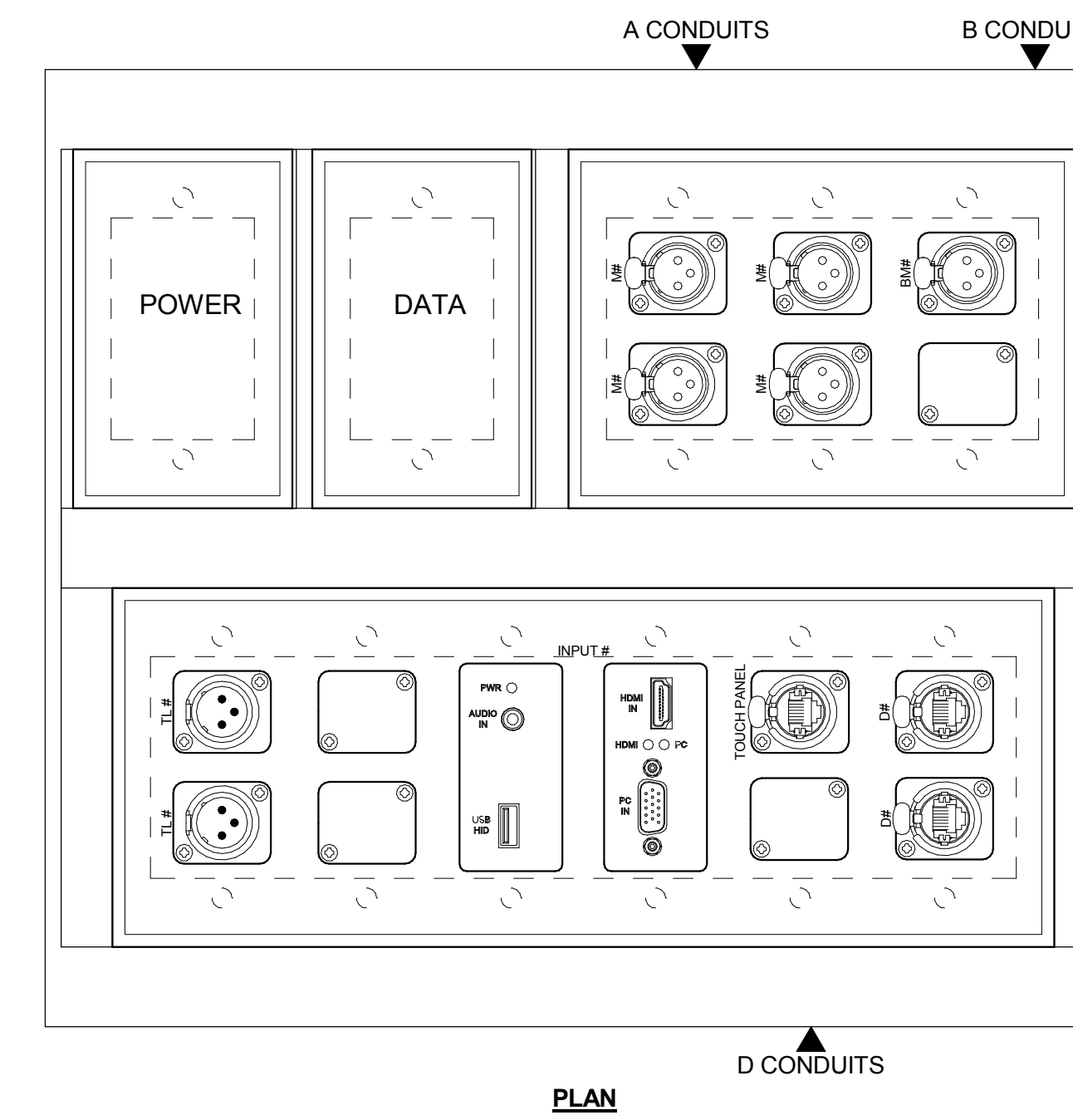
5 Device Detail - OR
6" = 1'-0"



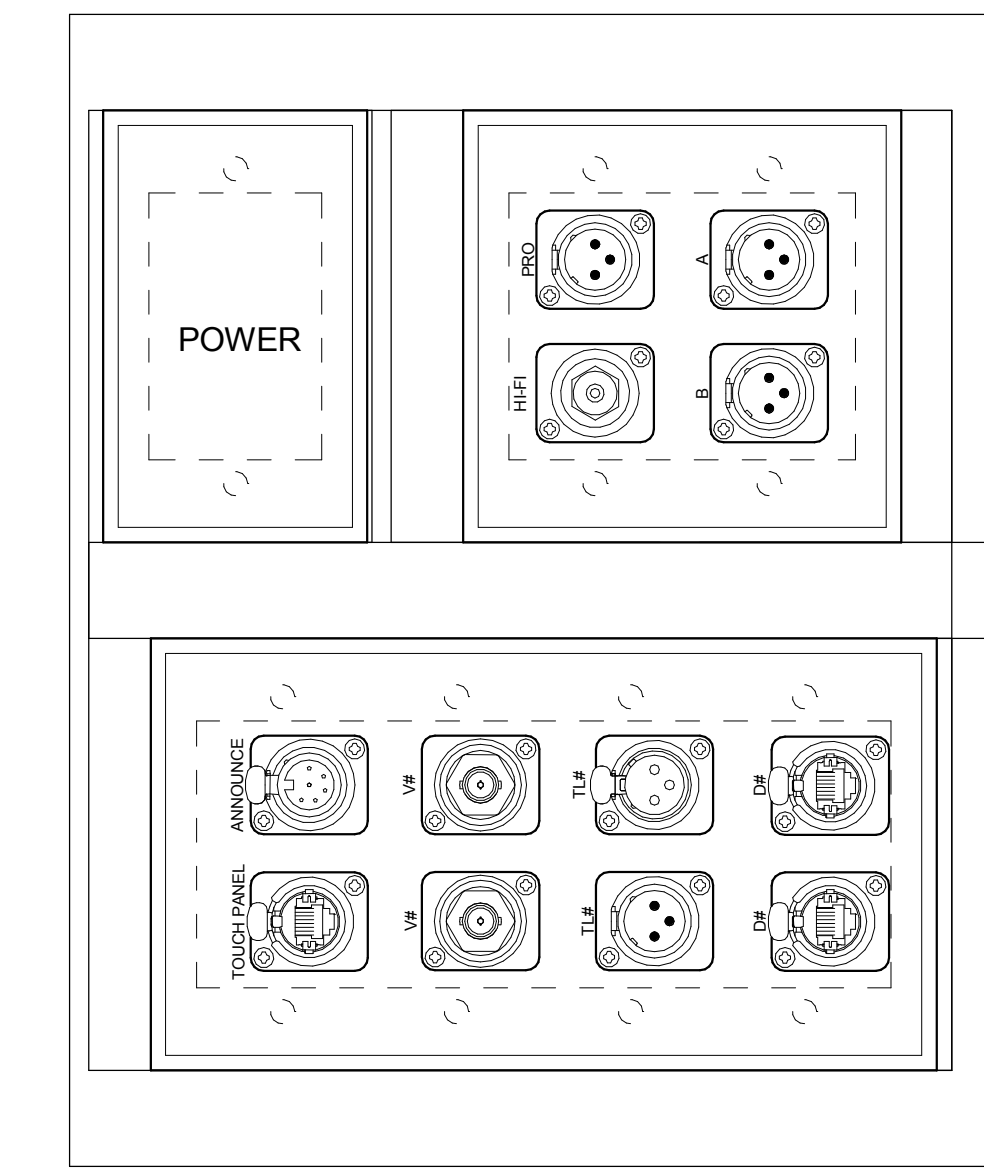
8 Device Detail - WBG
6" = 1'-0"



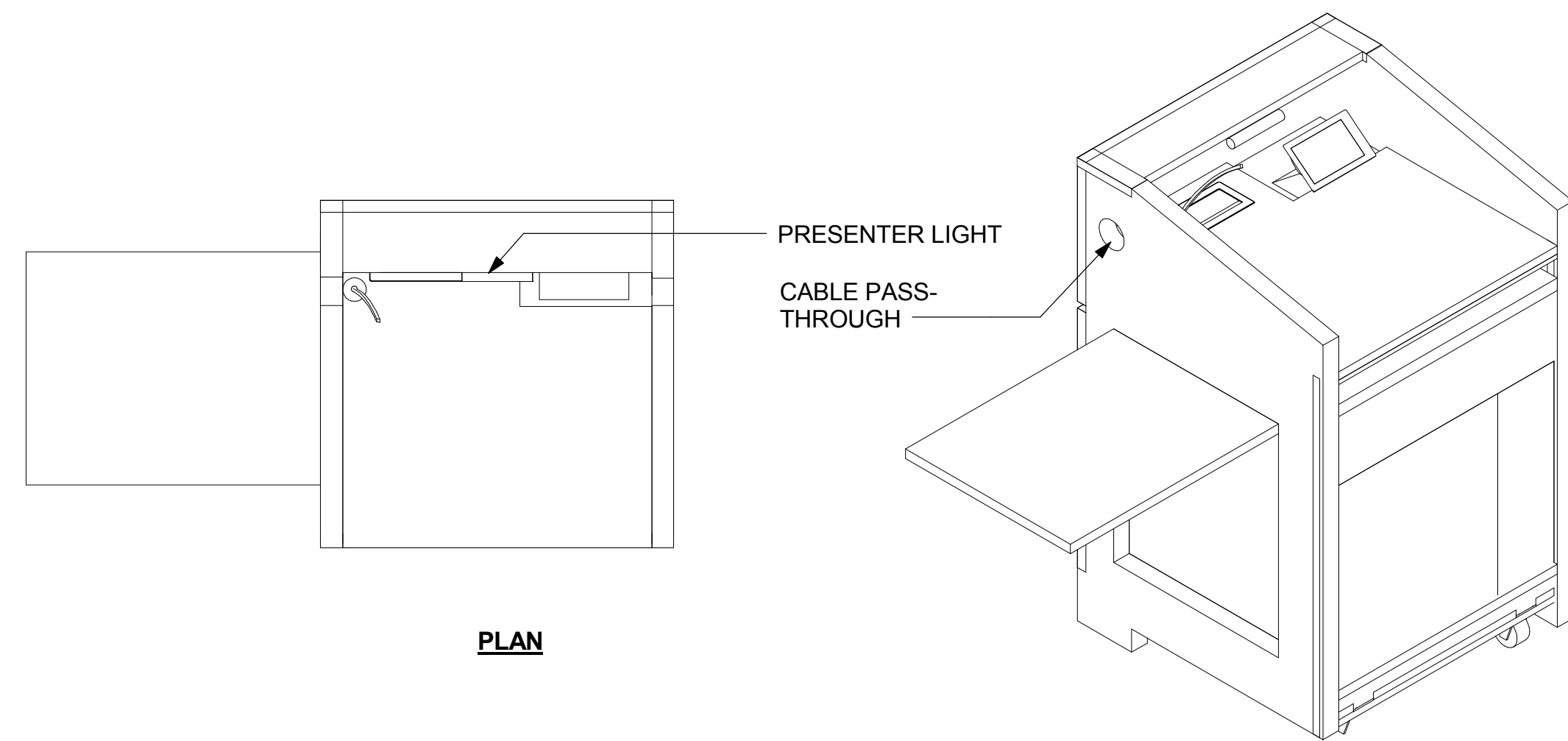
SECTION



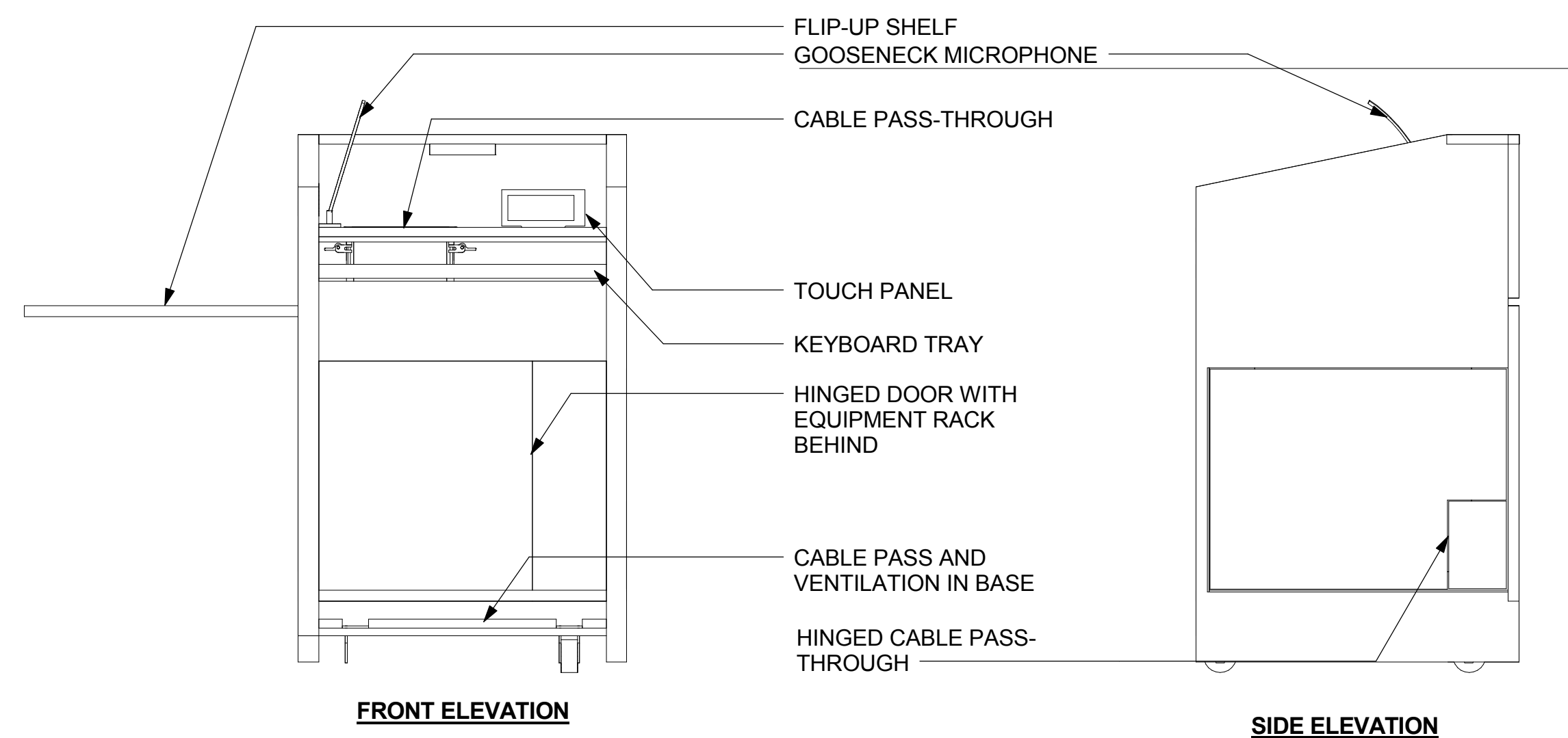
PLAN



7 Device Detail - FB2
6" = 1'-0"



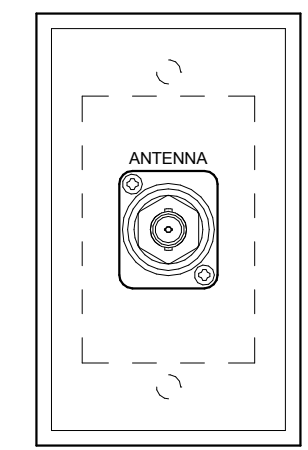
PLAN



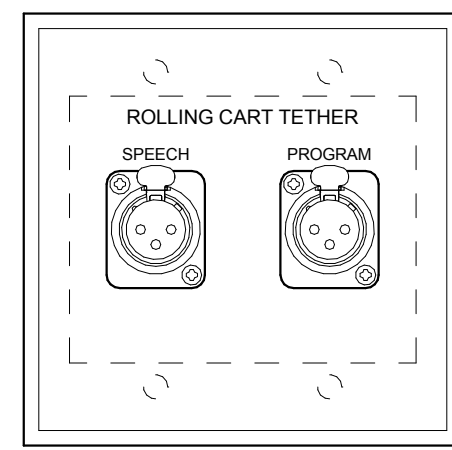
FRONT ELEVATION

SIDE ELEVATION

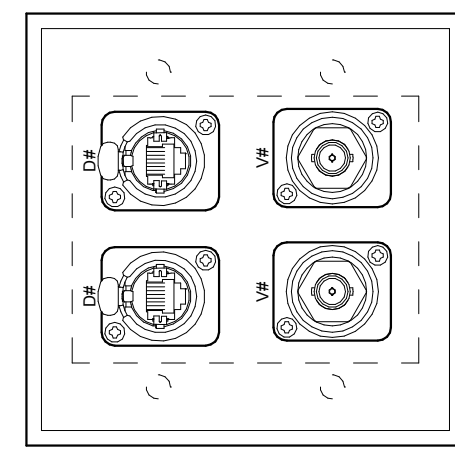
10 Device Detail - LECTERN
1" = 1'-0"



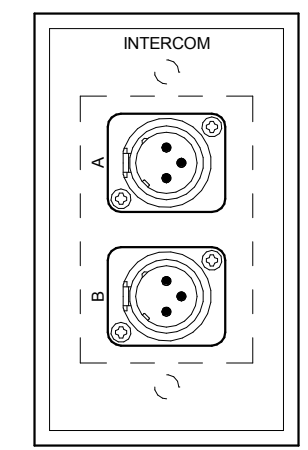
1 Device Detail - AL
6" = 1'-0"



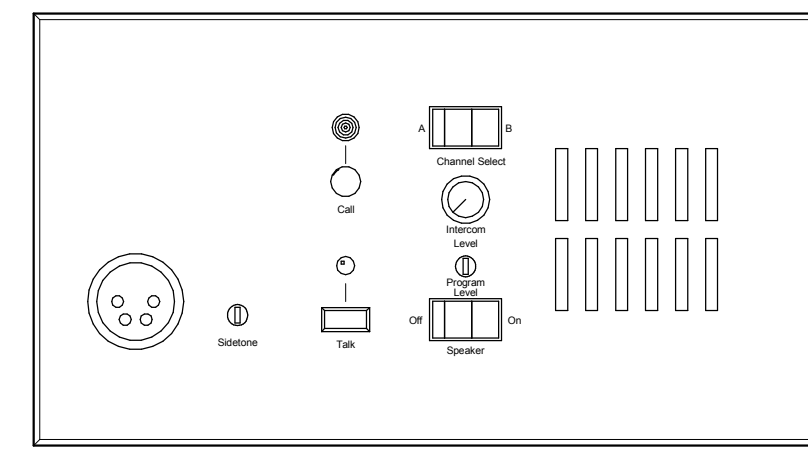
2 Device Detail - BCP
6" = 1'-0"



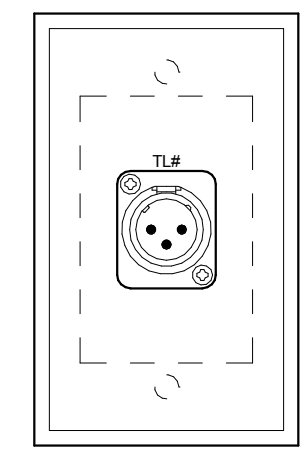
3 Device Detail - CA
6" = 1'-0"



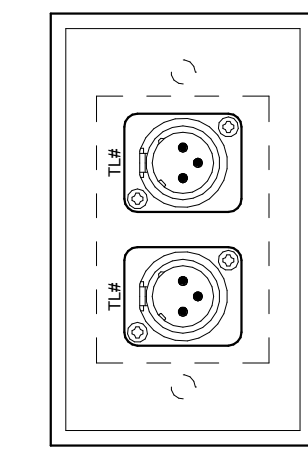
4 Device Detail - I
6" = 1'-0"



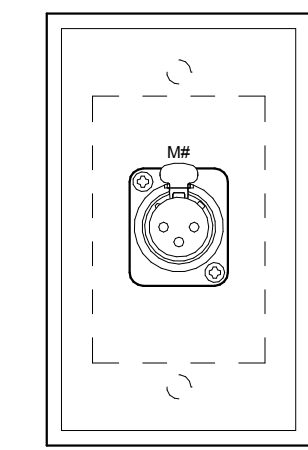
5 Device Detail - IS
6" = 1'-0"



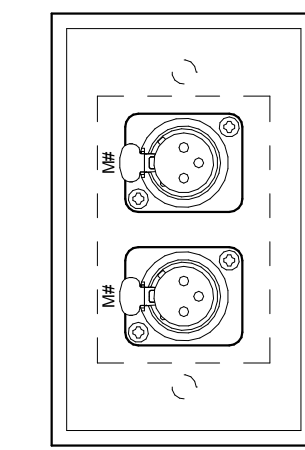
6 Device Detail - L
6" = 1'-0"



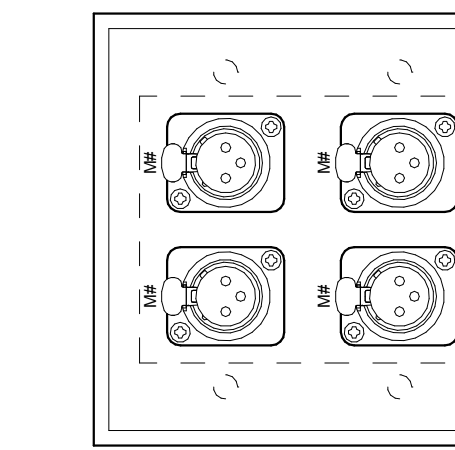
7 Device Detail - L2
6" = 1'-0"



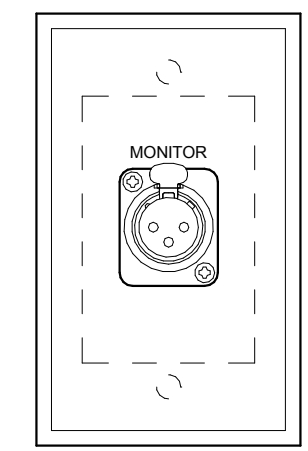
8 Device Detail - M
6" = 1'-0"



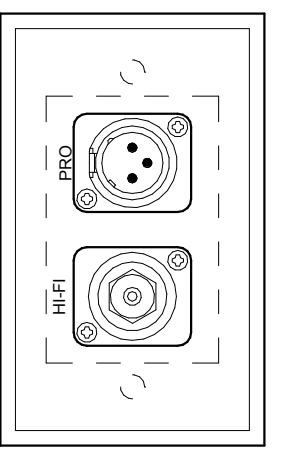
9 Device Detail - M2
6" = 1'-0"



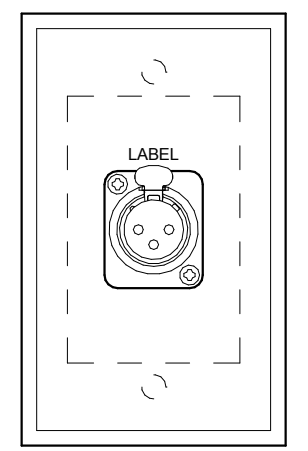
10 Device Detail - M4
6" = 1'-0"



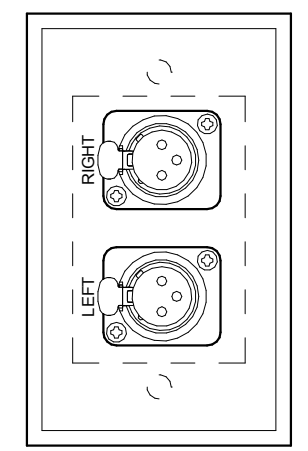
11 Device Detail - MM
6" = 1'-0"



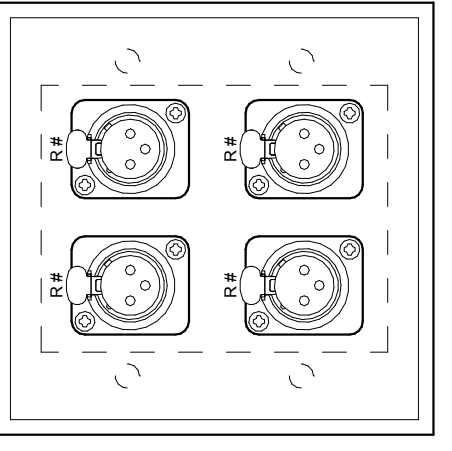
12 Device Detail - PF
6" = 1'-0"



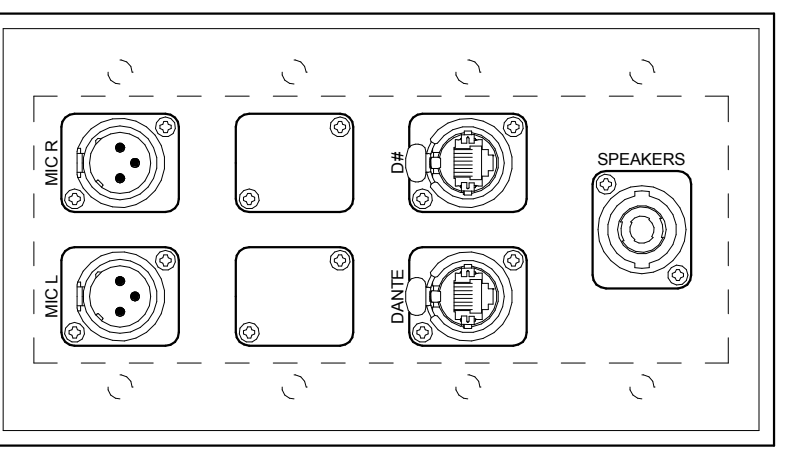
13 Device Detail - R
6" = 1'-0"



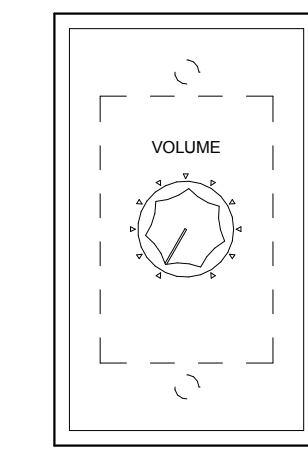
14 DEVICE DETAIL - R2
6" = 1'-0"



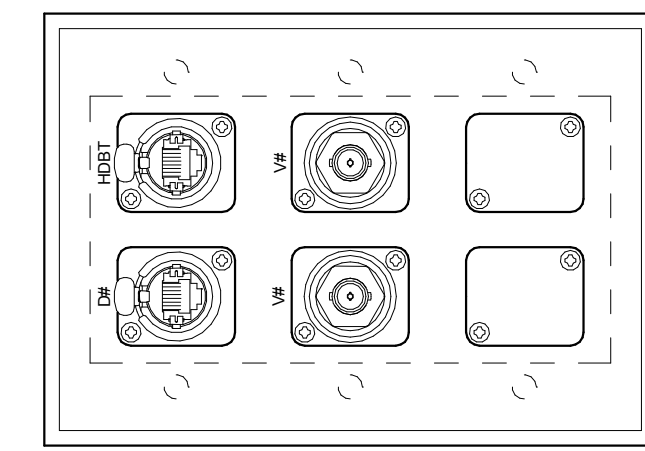
15 DEVICE DETAIL - R4
6" = 1'-0"



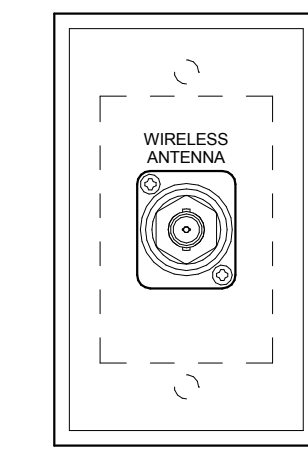
16 Device Detail - RC
6" = 1'-0"



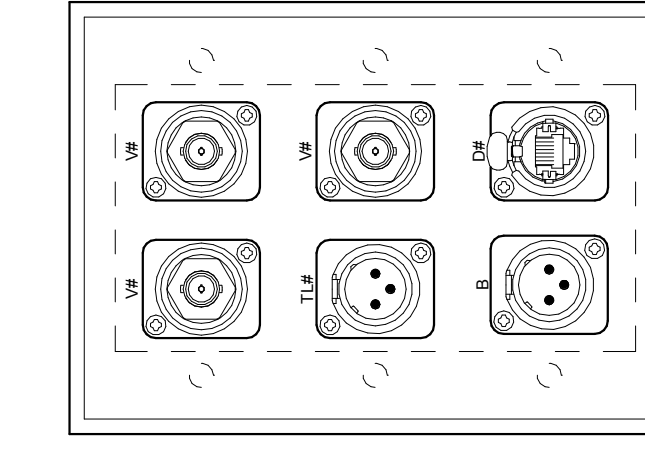
17 Device Detail - VC
6" = 1'-0"



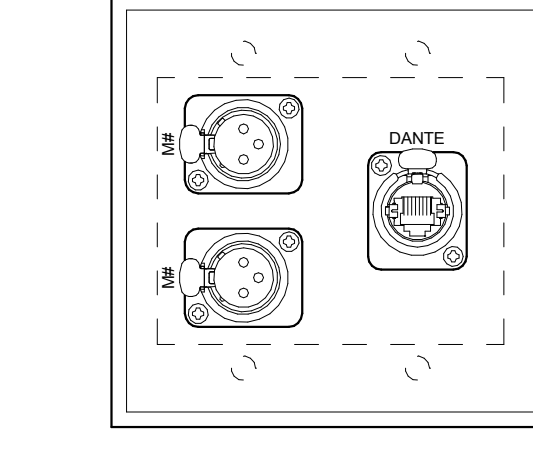
18 Device Detail - VP
6" = 1'-0"



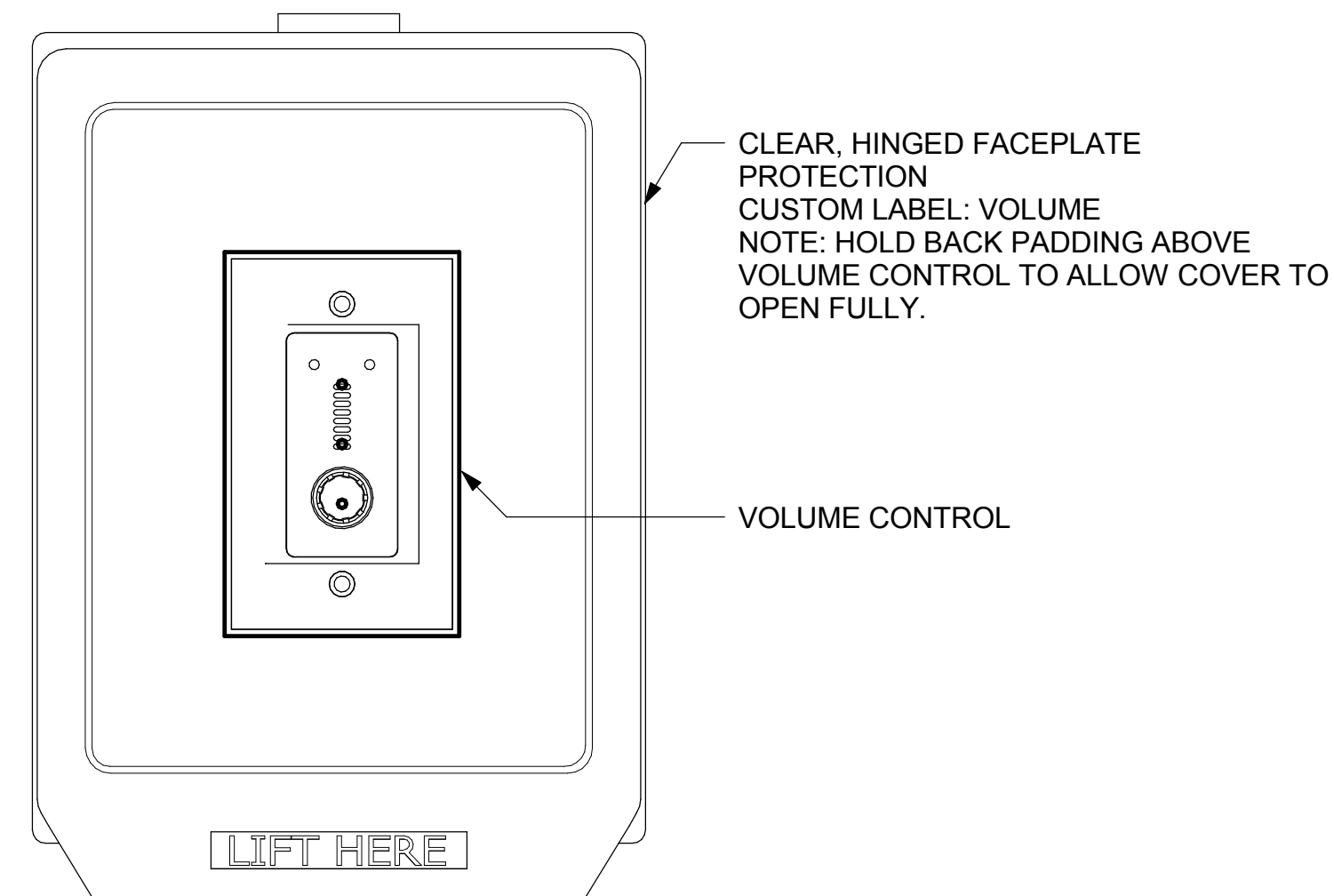
19 DEVICE DETAIL - WA
6" = 1'-0"



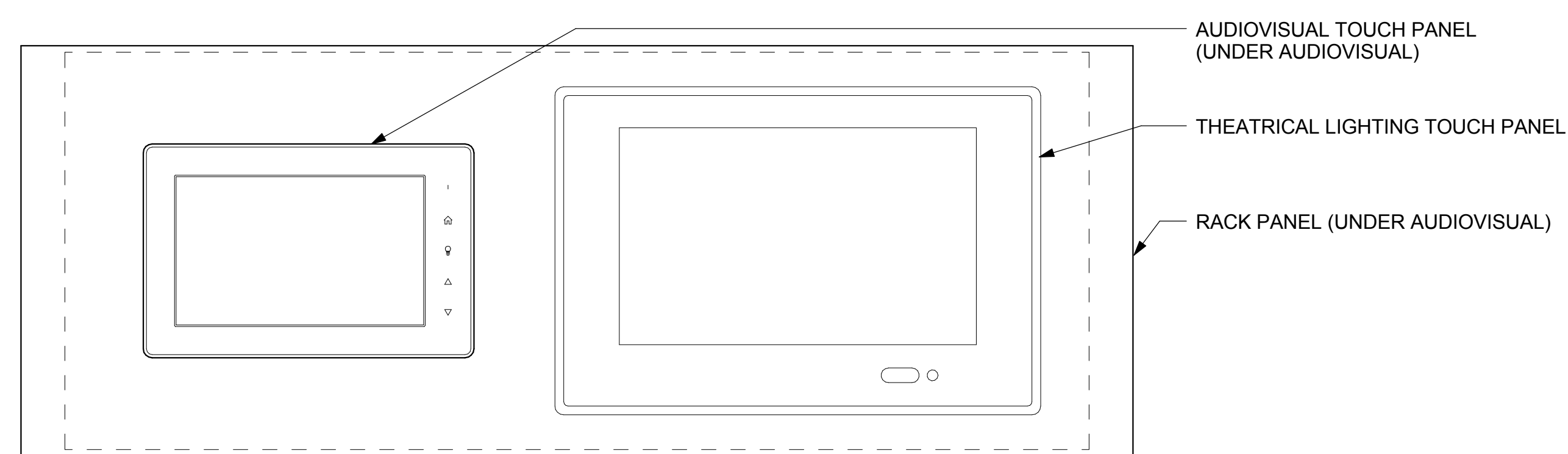
20 Device Detail - CI
6" = 1'-0"



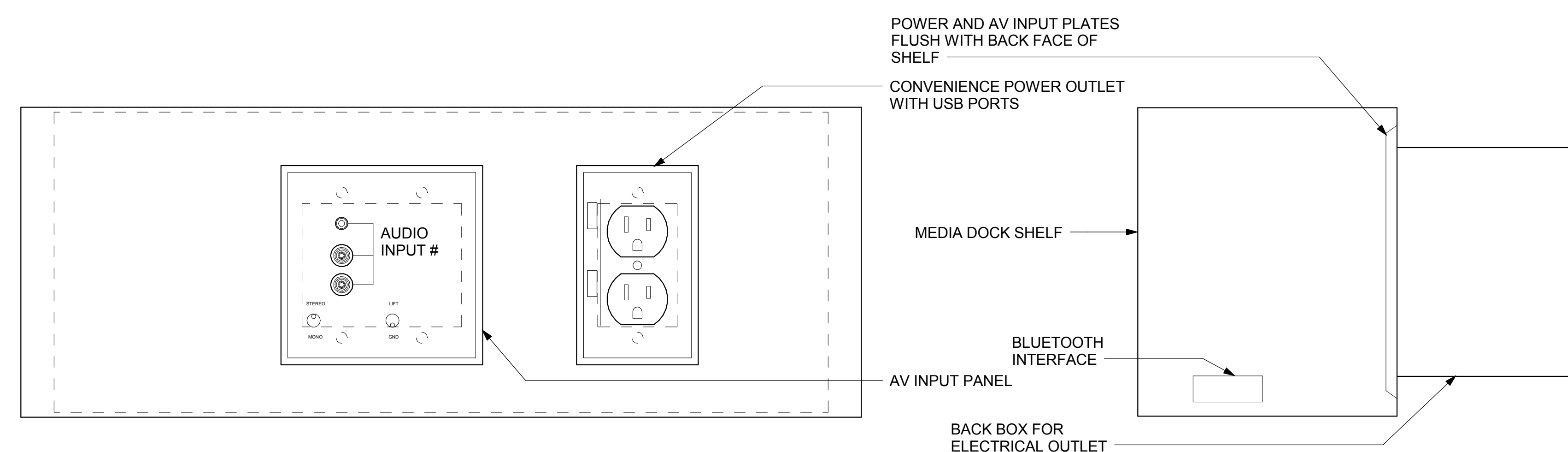
21 DEVICE DETAIL - MD
6" = 1'-0"



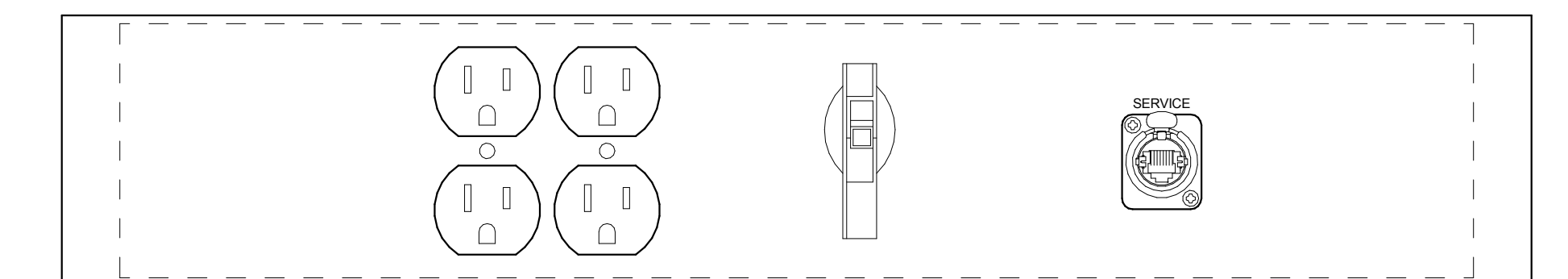
28 Device Detail - V
6" = 1'-0"



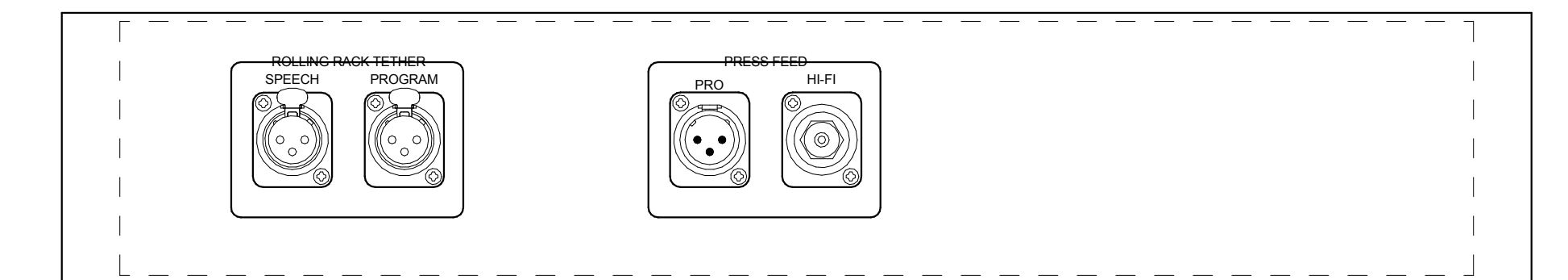
29 DEVICE DETAIL - STAGE RACK PANEL
6" = 1'-0"



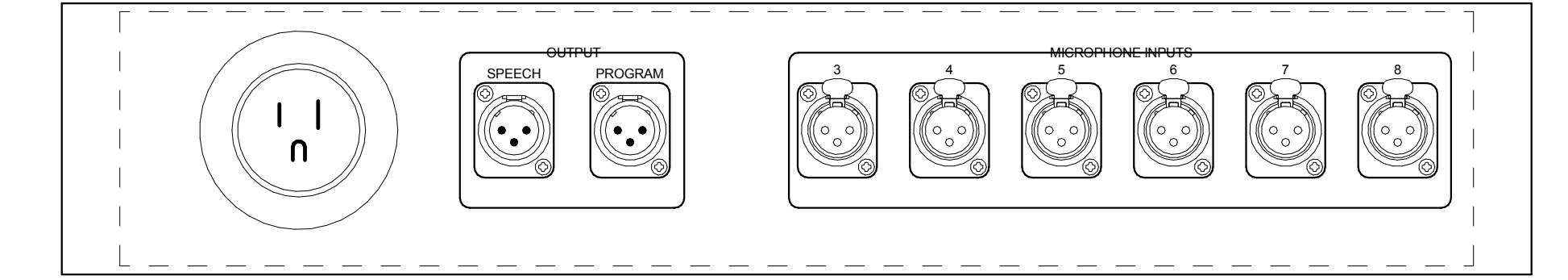
30 DEVICE DETAIL - MEDIA DOCK
6" = 1'-0"



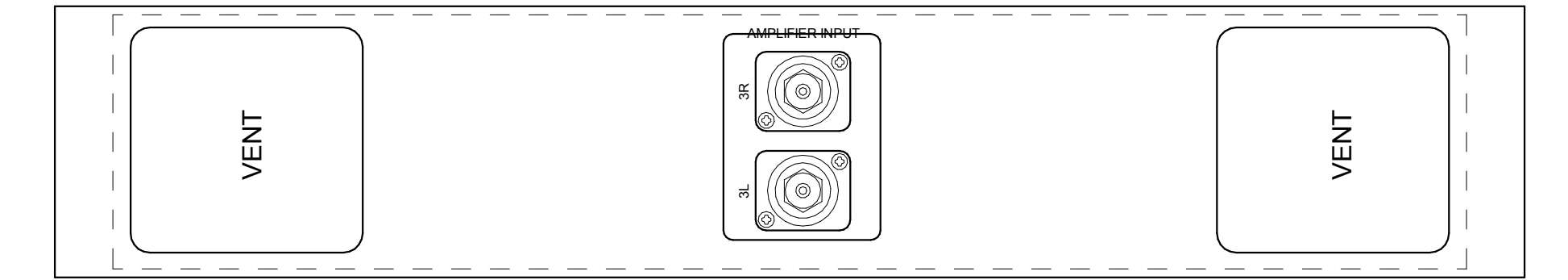
22 Device Detail - Convenience Outlet
6" = 1'-0"



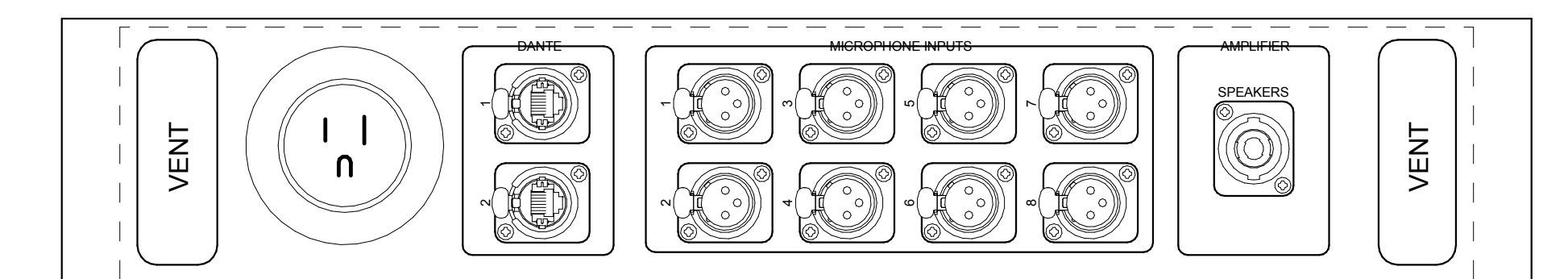
23 Device Detail - Gym Main Rack I/O Panel
6" = 1'-0"



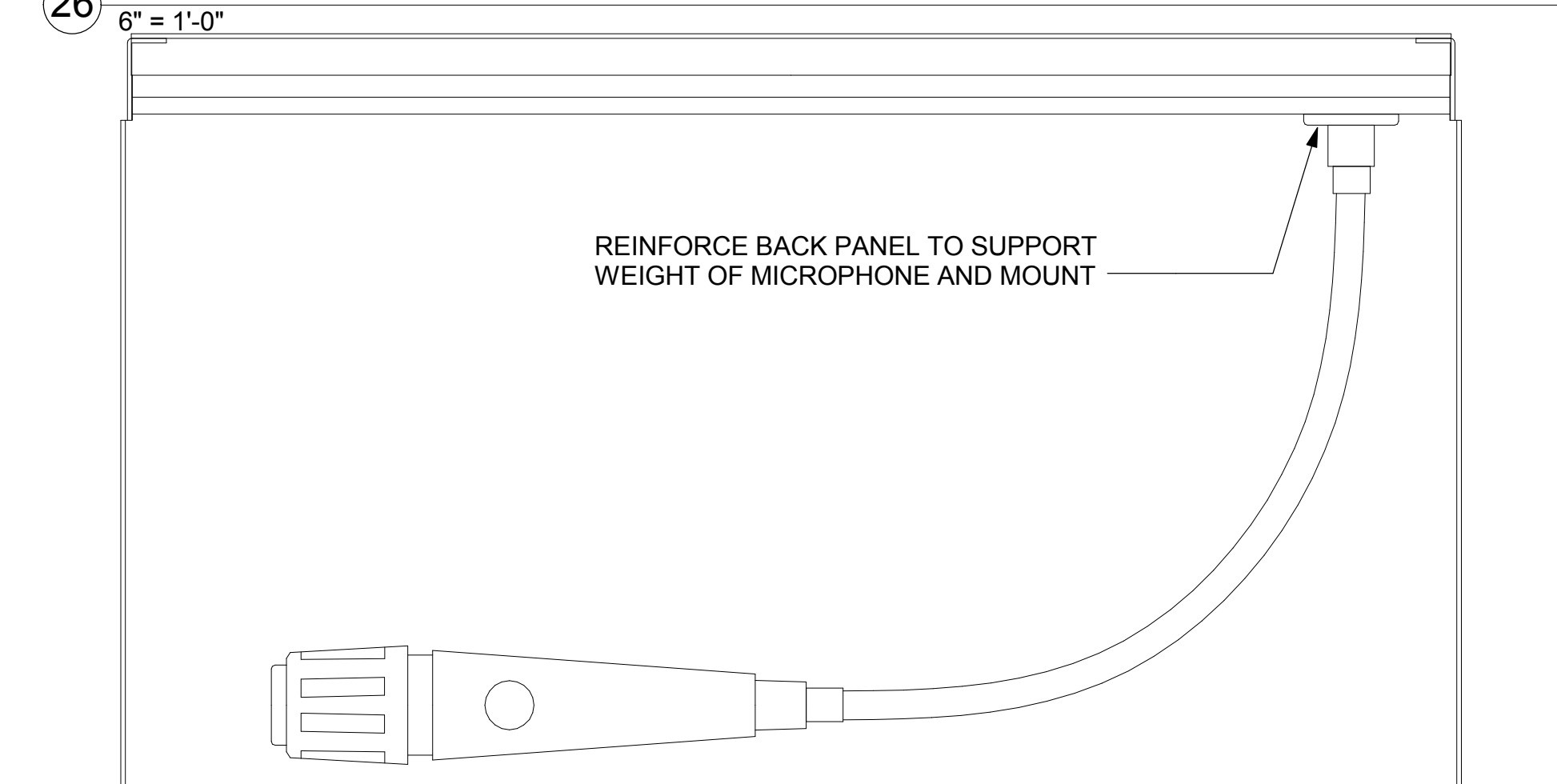
24 Device Detail - Gym Rolling Rack I/O Panel
6" = 1'-0"



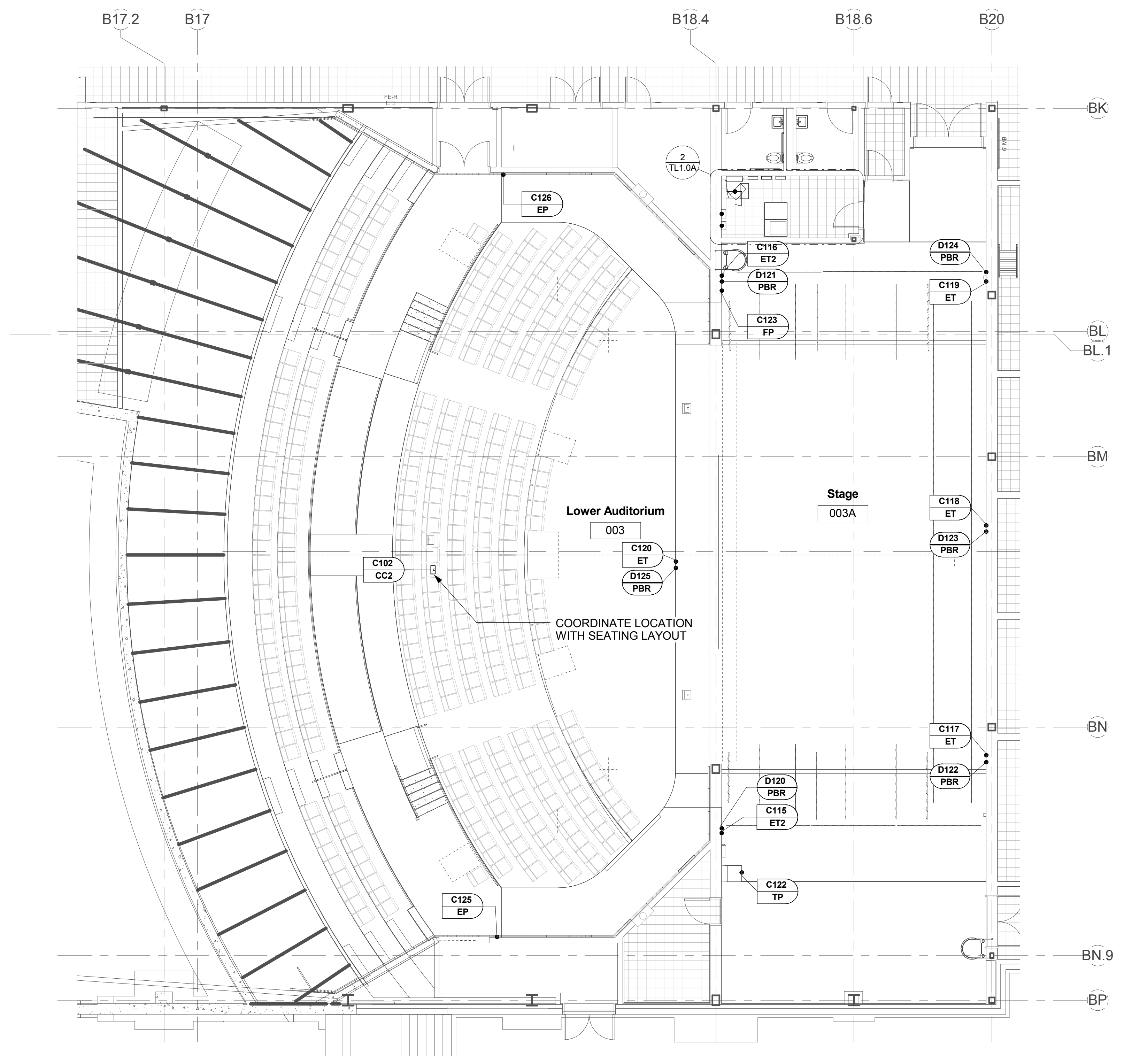
25 DEVICE DETAIL - CLASSROOM ROLLING RACK UPPER I/O PANEL
6" = 1'-0"



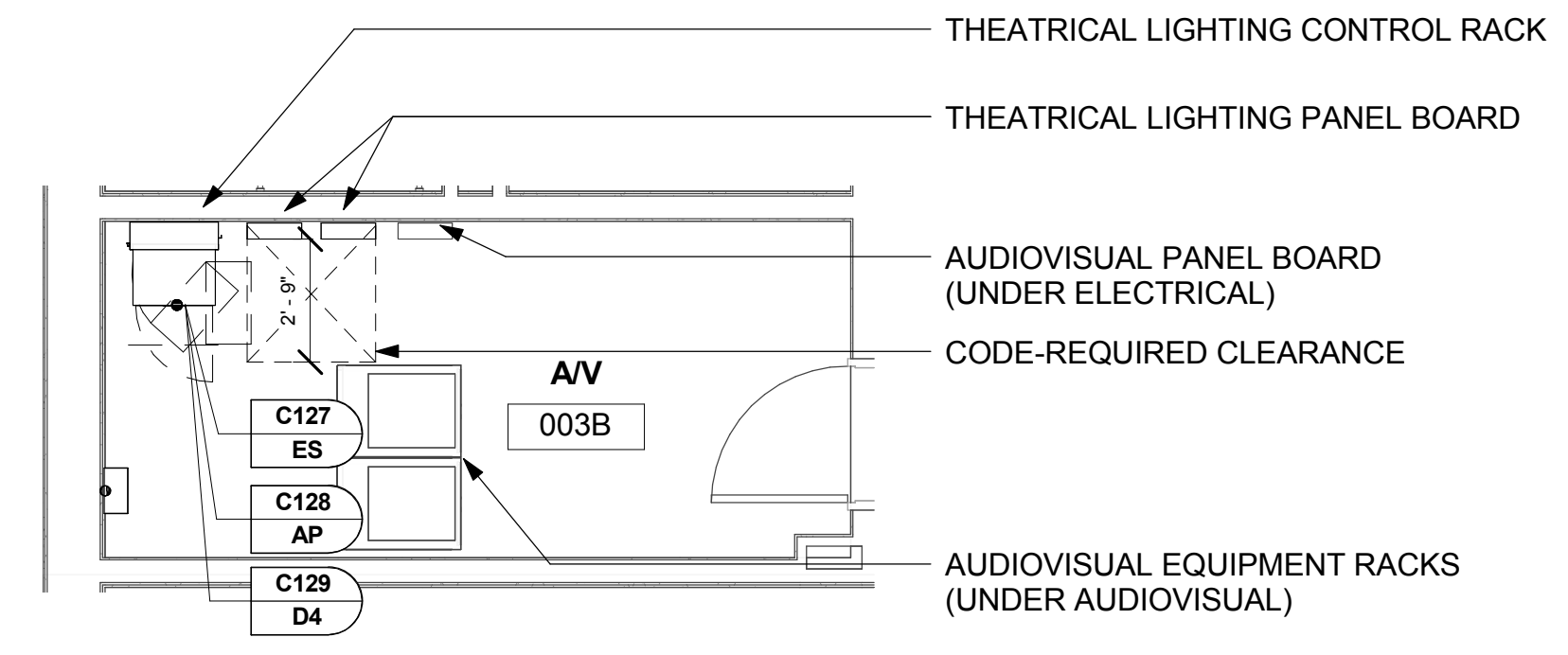
26 DEVICE DETAIL - CLASSROOM ROLLING RACK LOWER I/O PANEL
6" = 1'-0"



27 Device Detail - Cue Microphone
6" = 1'-0"



1 THEATRICAL LIGHTING DEVICE PLAN - AUDITORIUM - GROUND FLOOR
1/8" = 1'-0"



2 PLAN DETAIL - AUDITORIUM AV ROOM
1/4" = 1'-0"

DEVICE KEY

D### DEVICE NUMBER
PSR DEVICE TYPE

CONTROL DEVICES

C### ET ETHERNET TAP
MOUNT AT RECEPTACLE HEIGHT
UNLESS OTHERWISE NOTED.

C### ET2 DUAL ETHERNET TAP
MOUNT AT RECEPTACLE HEIGHT
UNLESS OTHERWISE NOTED.

C### CC1 CONSOLE CONNECTION PANEL.
MOUNT AT PROJECT
RECEPTACLE HEIGHT.

C### CC2 FLOOR BOX TECH TABLE
CONNECTION PANEL.

C### EP ENTRY STATION.
MOUNT AT PROJECT SWITCH
HEIGHT UNLESS OTHERWISE
NOTED.

C### TP TOUCH PANEL LIGHTING
CONTROL.
RACK MOUNTED.

C### FP FADER PANEL.
MOUNT AT SWITCH HEIGHT
UNLESS
OTHERWISE NOTED.

C### AP ARCHITECTURAL LIGHTING
PROCESSOR
RACK MOUNTED.

C### ES ETHERNET SWITCH AND
PATCHBAY
RACK MOUNTED

C### EN FOUR-PORT ETHERNET NODE.

DISTRIBUTION DEVICES

D### PSR PLUG-IN STRIP WITH
RECEPTACLES

D### PSP PLUG-IN STRIP WITH
PIGTAILS

D### PBR PLUG-IN BOX
WITH RECEPTACLES

D### PBP PLUG-IN BOX WITH PIGTAILS

D### HL JUNCTION BOX FOR ARCHITECTURAL
LIGHTING POWER CONNECTIONS

COMPANY SWITCH AMPERAGE
INDICATED

DIVISION 26 DEVICES

5-20 20A 120VAC DUPLEX
RECEPTACLE
INTEGRATED WITH CONTROL
DEVICE

RISER DIAGRAM WIRING KEY

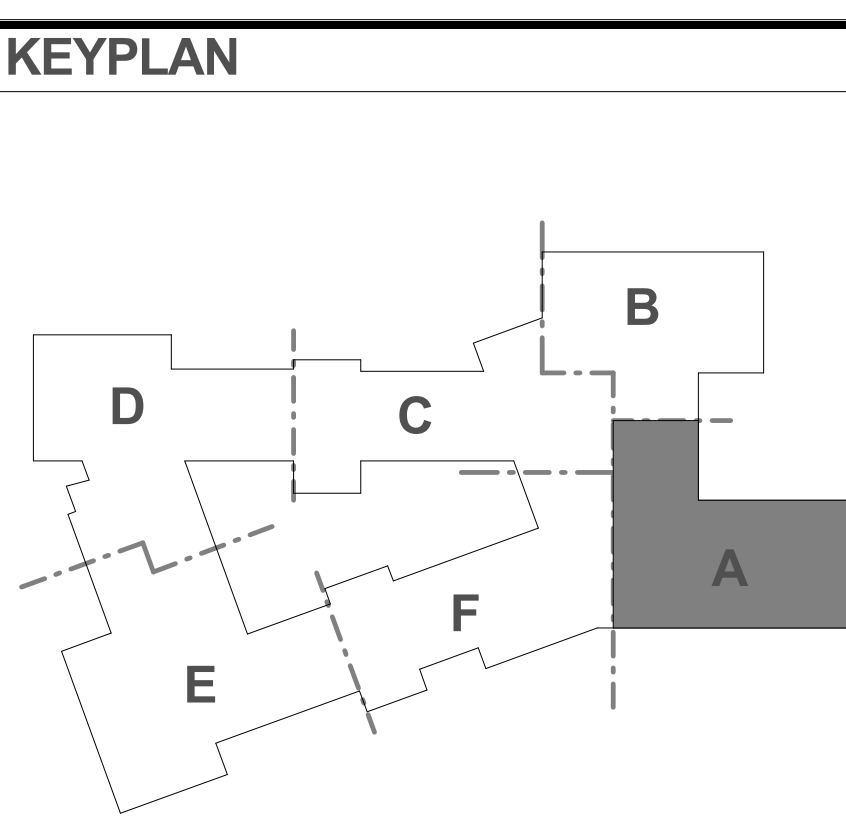
POWER

CONTROL

CONTROL WIRING LEGEND

TYPE	WIRE TYPE(S)	SIGNAL
A	(1) BELDEN 8471 (1) #14 AWG. STRANDED WIRE (2) #16 AWG	ARCH. CTRL.
B	(1) BELDEN 1583A	NETWORK
C	(1) BELDEN 9729	DMX

- NOTES**
- ALL CIRCUITS HOME-RUN TO PANELS FOR TERMINATION.
 - NO COMMON NEUTRALS PERMITTED. EACH CIRCUIT MUST HAVE DEDICATED NEUTRAL.
 - ALL DEVICES MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED.
 - ALL EXPOSED SURFACES ON ON-STAGE DEVICES FINISHED MATTE BLACK UNLESS OTHERWISE NOTED. PROVIDE BRACKETS AND HARDWARE FOR MOUNTING CONTRL AND DISTRIBUTION DEVICES AS REQUIRED.
 - ALL LOW-VOLTAGE CONTROL WIRING INSTALLED IN METAL CONDUIT.
 - FINAL CONTROL WIRING TYPES TO BE CONFIRMED BY LIGHTING SYSTEM MANUFACTURER.



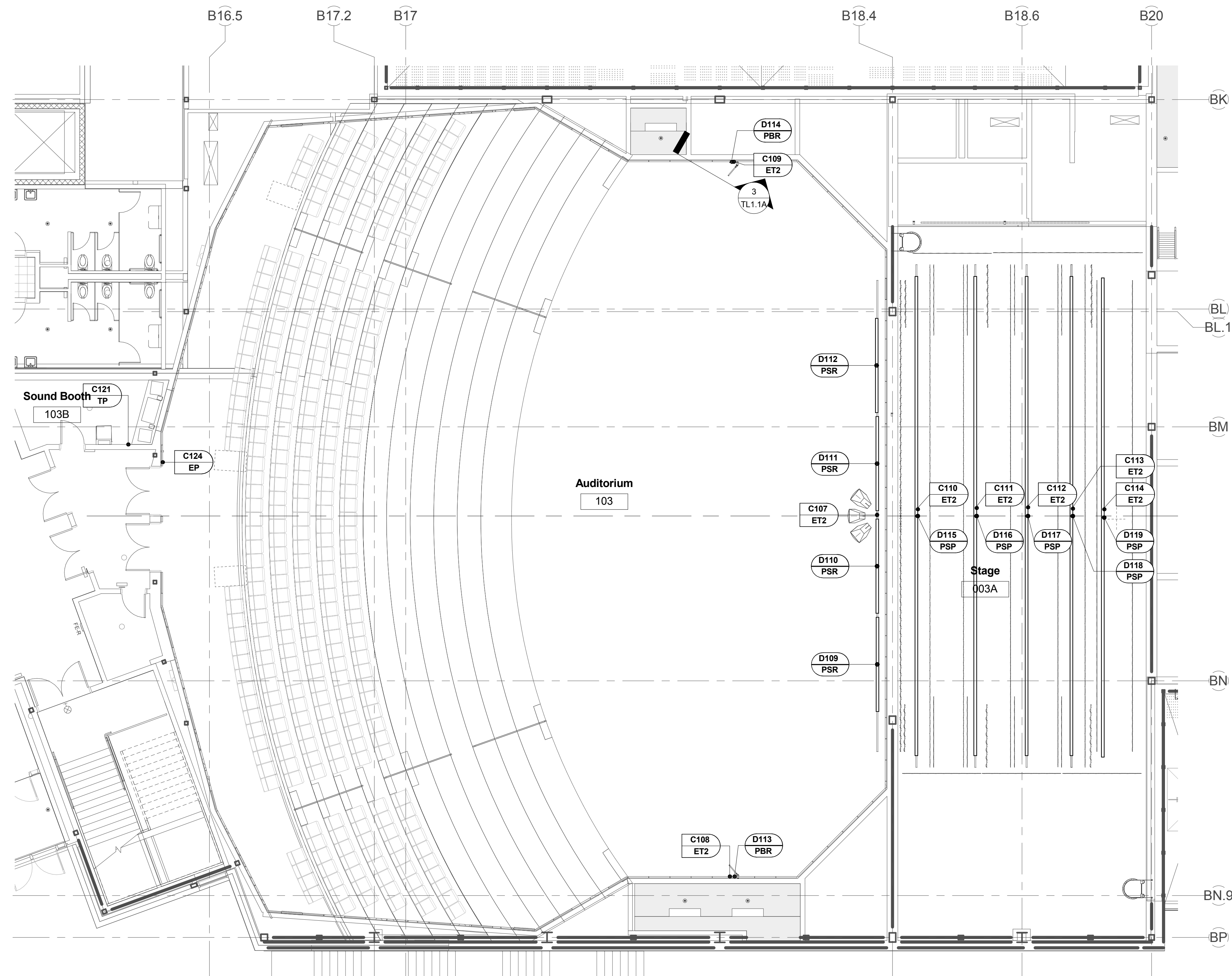
HMFH ARCHITECTS
130 Bishop Allen Drive
Dover, NH 03820
603.752.2000
hmfh.com

CAVANAUGH TOCCI
3077 BOSTON POST ROAD, SEASIDE, MA 01776

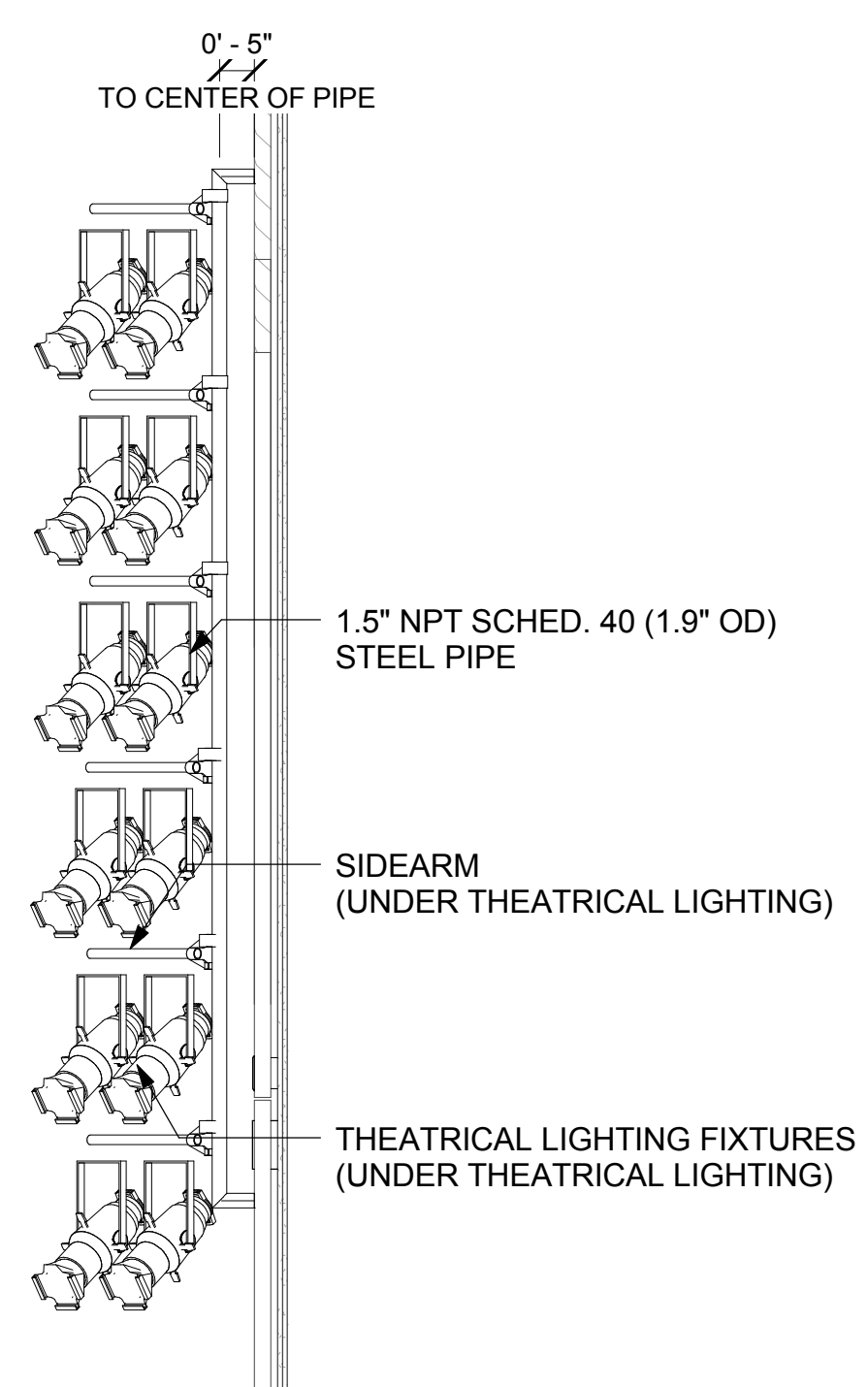
100% CONFORMED SET - FOR CONSTRUCTION
9/12/16

Dover HS / Career Technical Center
Dover, NH
THEATRICAL LIGHTING PLAN
SCALE: As indicated
DRAWN BY: Author
CHECKED BY: Checker

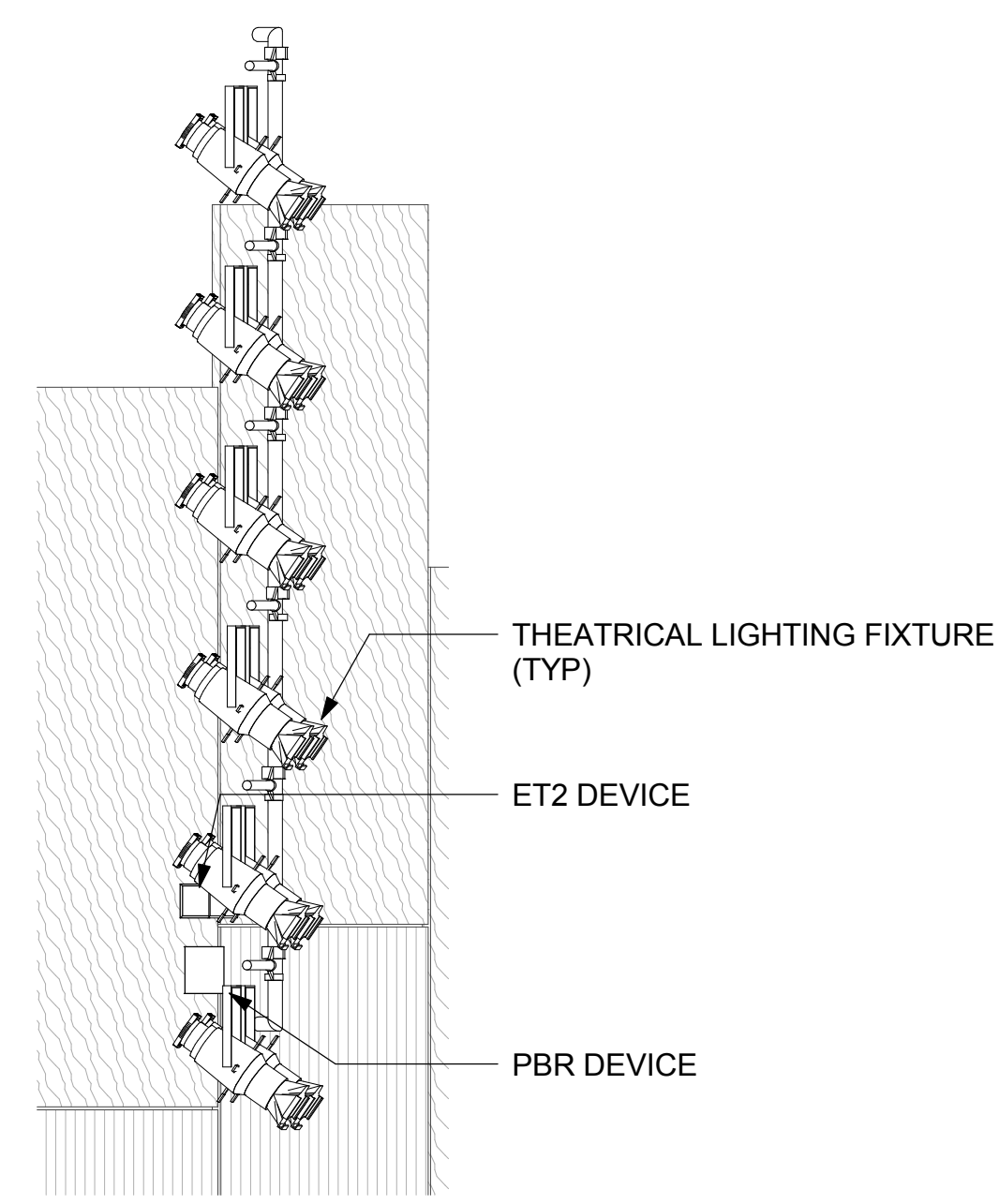
DRAWING NUMBER
TL1.0A
JOB NUMBER 40114



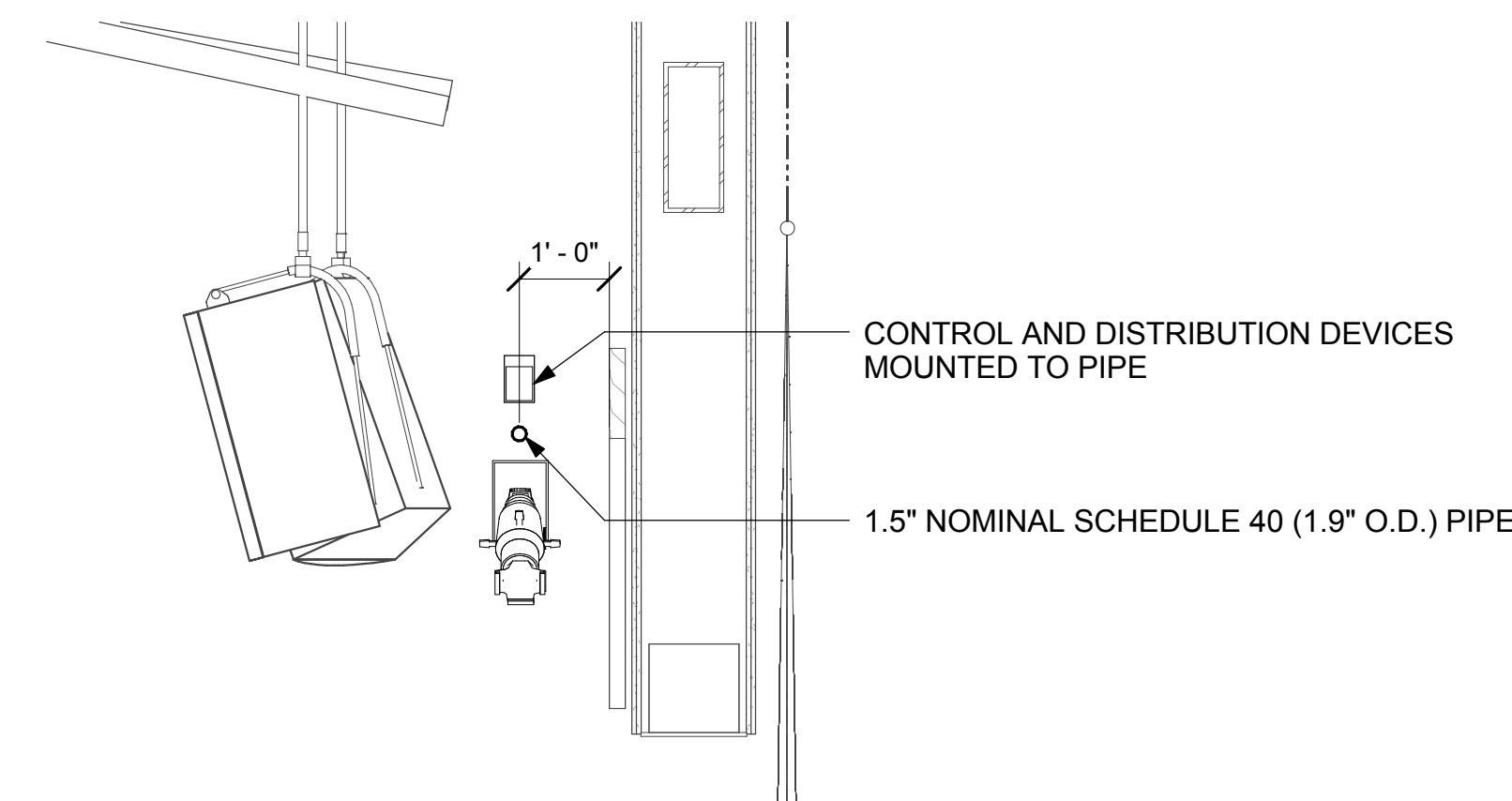
1 THEATRICAL LIGHTING DEVICE PLAN - AUDITORIUM - FIRST FLOOR
1/8" = 1'-0"



2 DETAIL SECTION - WALL LIGHTING POSITION
1/2" = 1'-0"



3 DETAIL SECTION - WALL LIGHTING POSITION 2
1/2" = 1'-0"



4 DETAIL SECTION - PROSCENIUM PIPE
1/2" = 1'-0"

DEVICE KEY

D### DEVICE NUMBER
PSR DEVICE TYPE

CONTROL DEVICES

C### ET	ETHERNET TAP MOUNT AT RECEPTACLE HEIGHT UNLESS OTHERWISE NOTED.
C### ET2	DUAL ETHERNET TAP MOUNT AT RECEPTACLE HEIGHT UNLESS OTHERWISE NOTED.
C### CC1	CONSOLE CONNECTION PANEL MOUNT AT PROJECT RECEPTACLE HEIGHT.
C### CC2	FLOOR BOX TECH TABLE CONNECTION PANEL.
C### EP	ENTRY STATION MOUNT AT PROJECT SWITCH HEIGHT UNLESS OTHERWISE NOTED.
C### TP	TOUCH PANEL LIGHTING CONTROL RACK MOUNTED.
C### FP	FADER PANEL MOUNT AT SWITCH HEIGHT UNLESS OTHERWISE NOTED.
C### AP	ARCHITECTURAL LIGHTING PROCESSOR RACK MOUNTED.
C### ES	ETHERNET SWITCH AND PATCHBAY RACK MOUNTED.
C### EN	FOUR-PORT ETHERNET NODE.

DISTRIBUTION DEVICES

D### PSR	PLUG-IN STRIP WITH RECEPTACLES
D### PSP	PLUG-IN STRIP WITH PIGTAILS
D### PBR	PLUG-IN BOX WITH RECEPTACLES
D### PBP	PLUG-IN BOX WITH PIGTAILS
D### HL	JUNCTION BOX FOR ARCHITECTURAL LIGHTING POWER CONNECTIONS

COMPANY SWITCH AMPERAGE INDICATED

DIVISION 26 DEVICES

5-20 20A 120VAC DUPLEX RECEPTACLE INTEGRATED WITH CONTROL DEVICE
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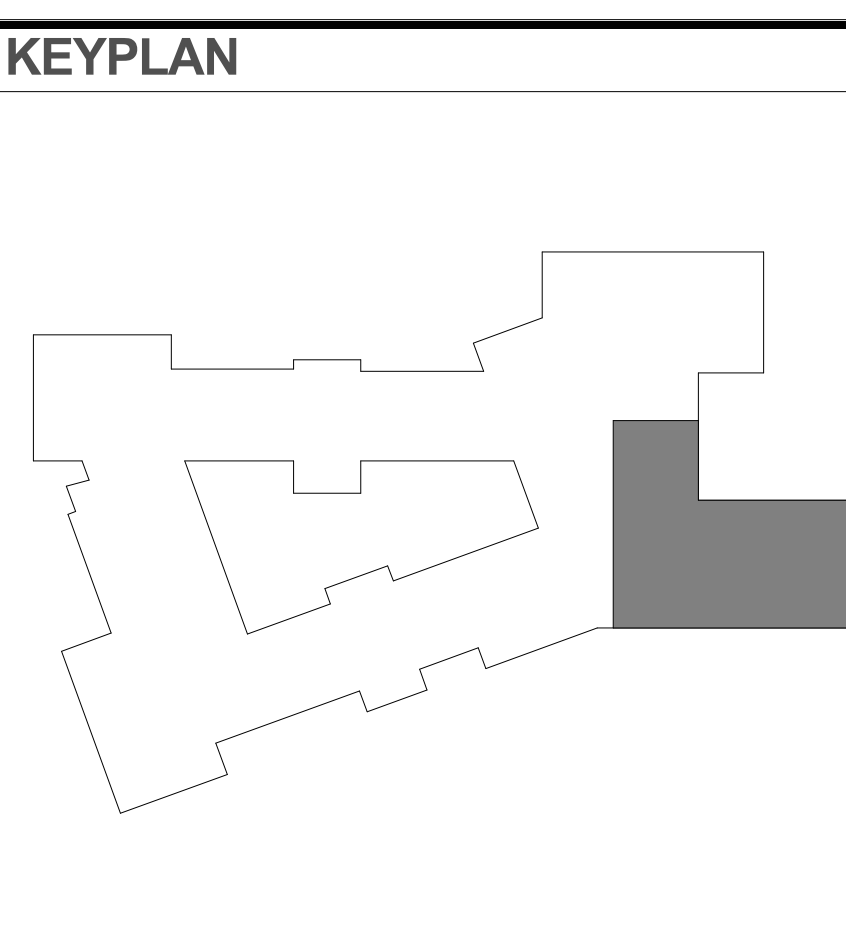
RISER DIAGRAM WIRING KEY

—	POWER
- - - - -	CONTROL

CONTROL WIRING LEGEND

TYPE	WIRE TYPE(S)	SIGNAL
A	(1) BELDEN 8471 (1) #14 AWG - STRANDED WIRE (2) #16 AWG	ARCH. CTRL.
B	(1) BELDEN 1583A	NETWORK
C	(1) BELDEN 9729	DMX

- NOTES**
- ALL CIRCUITS HOME-RUN TO PANELS FOR TERMINATION. NO COMMON NEUTRALS PERMITTED. EACH CIRCUIT MUST HAVE DEDICATED NEUTRAL.
 - ALL DEVICES MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED.
 - ALL EXPOSED SURFACES ON ON-STAGE DEVICES FINISHED MATTE BLACK UNLESS OTHERWISE NOTED. PROVIDE BRACKETS AND HARDWARE FOR MOUNTING CONTRL AND DISTRIBUTION DEVICES AS REQUIRED.
 - ALL LOW-VOLTAGE CONTROL WIRING INSTALLED IN METAL CONDUIT. FINAL CONTROL WIRING TYPES TO BE CONFIRMED BY LIGHTING SYSTEM MANUFACTURER.



HM FH ARCHITECTS
130 Bishop Allen Drive
Dover, NH 03820
603.752.2000
hmfh.com

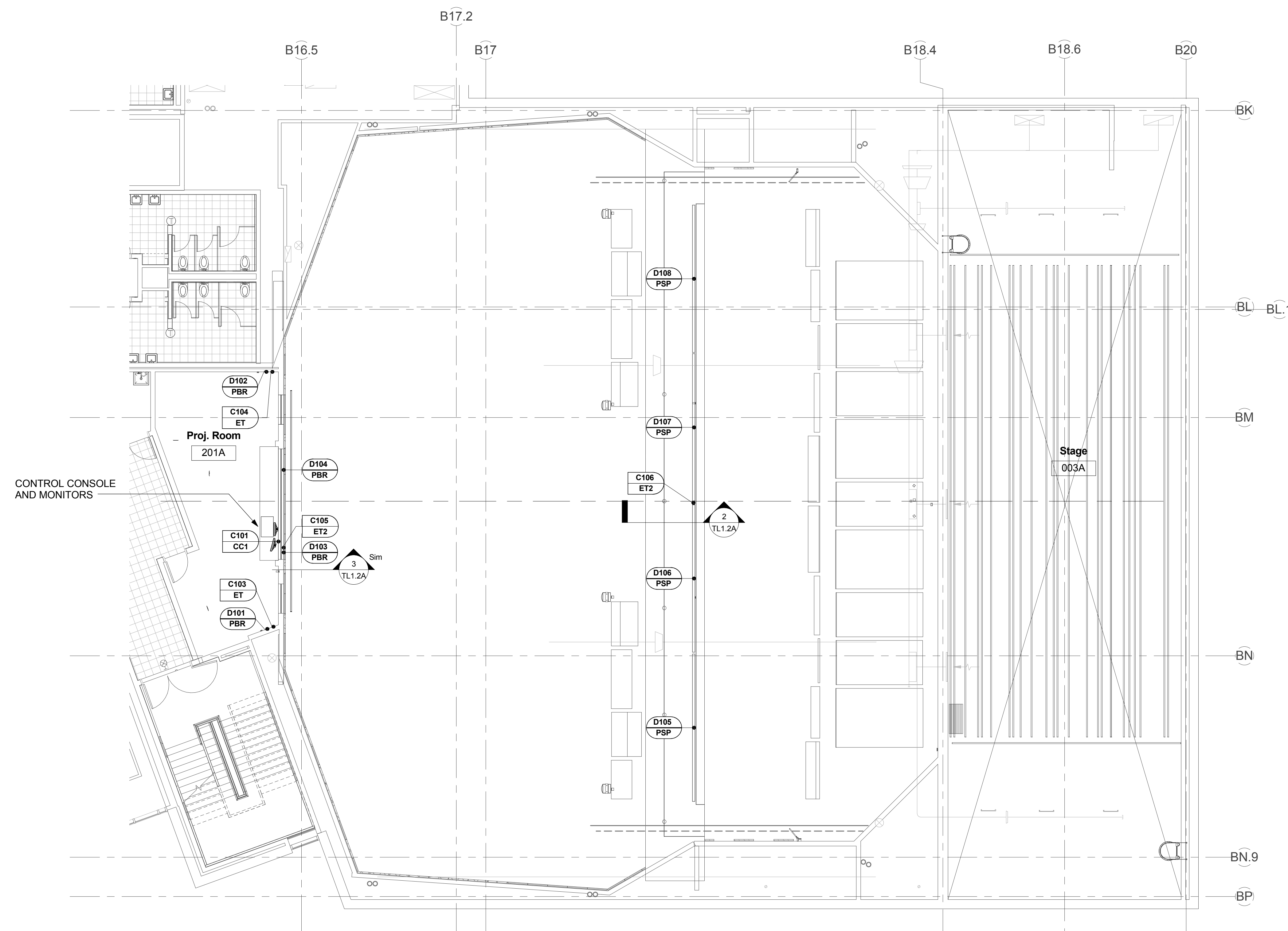
CAVANAUGH TOCCI
307 F BOSTON POST ROAD SEASIDE, MA 01776

100% CONFORMED SET - FOR CONSTRUCTION
9/12/16

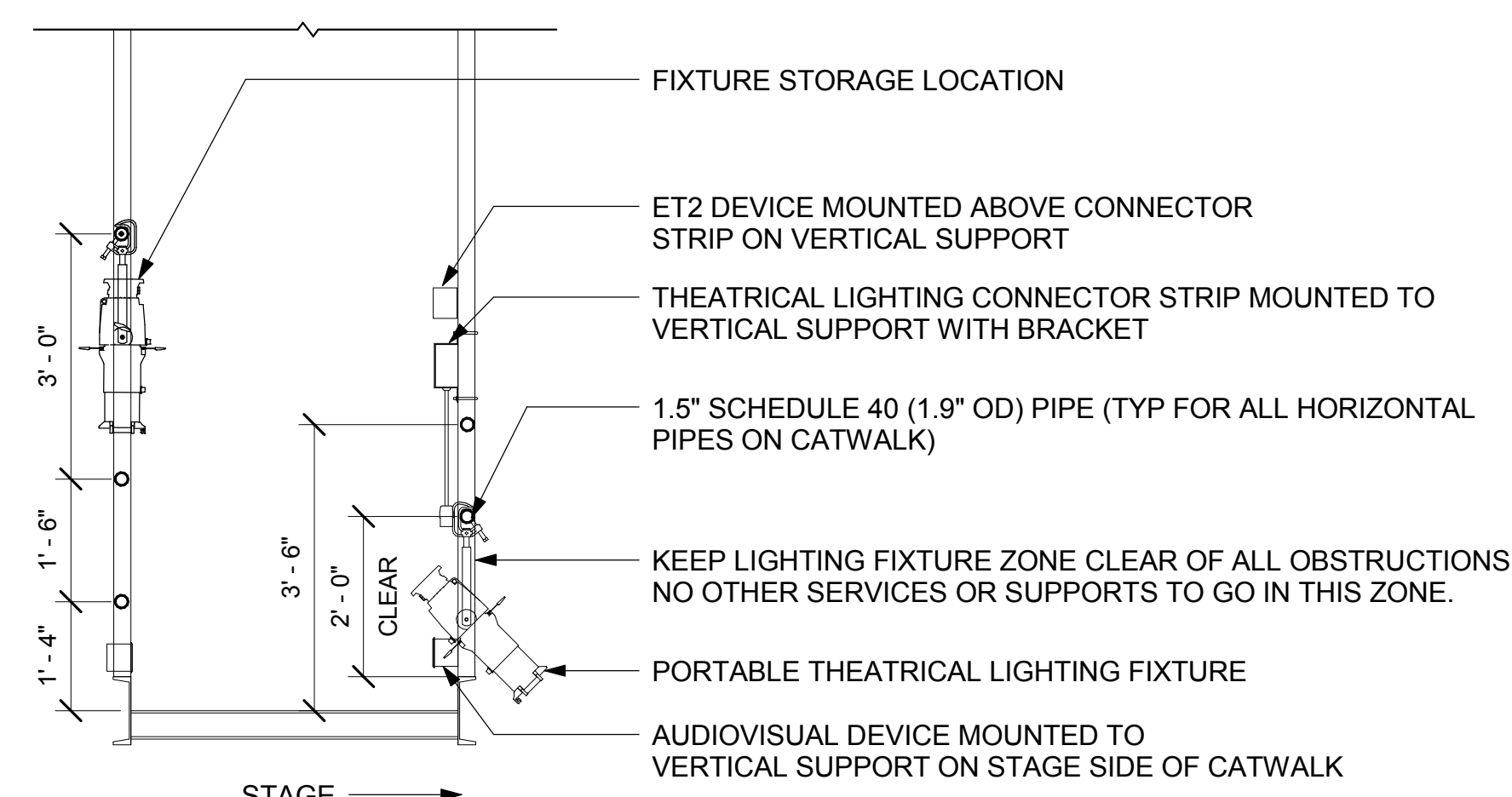
Dover HS / Career Technical Center
Dover, NH
THEATRICAL LIGHTING PLAN
SCALE: As indicated
DRAWN BY: Author
CHECKED BY: Checker

TL1.1A

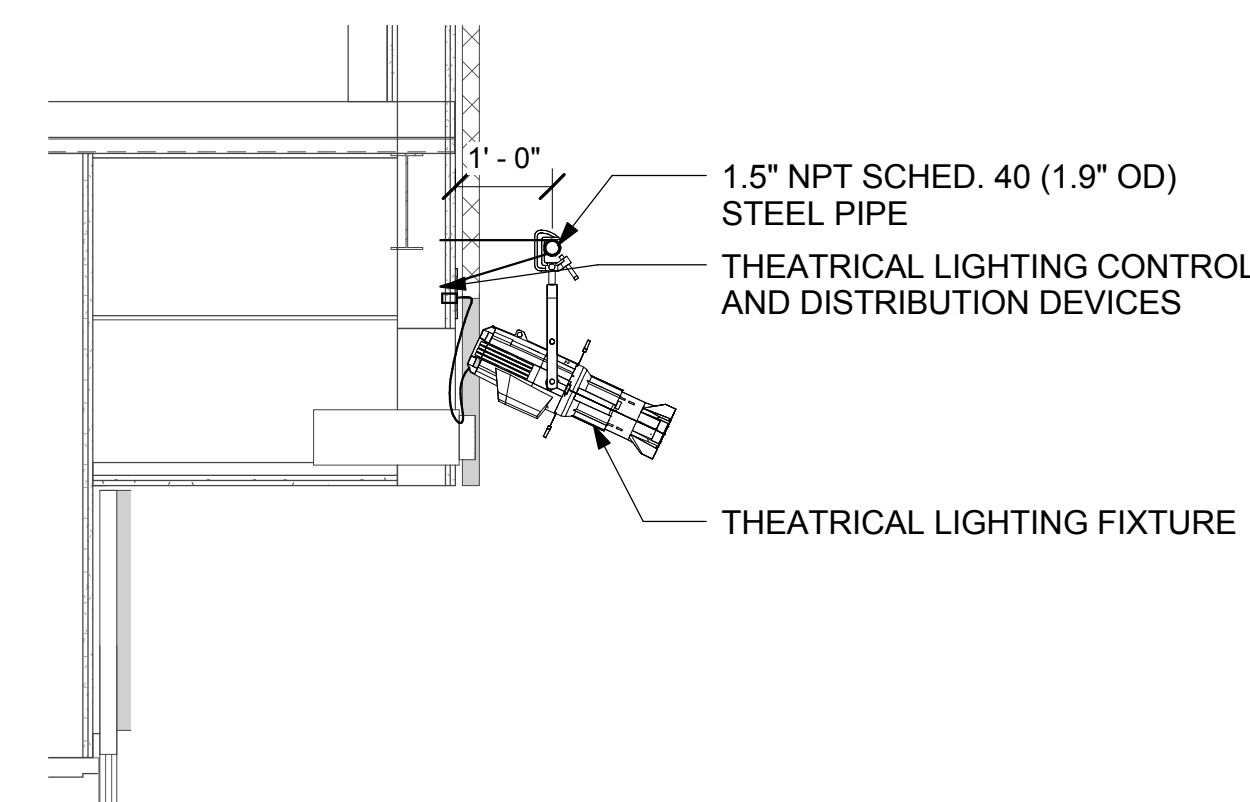
DRAWING NUMBER
JOB NUMBER 403114



1 THEATRICAL LIGHTING DEVICE PLAN - AUDITORIUM - SECOND FLOOR
1/8" = 1'-0"

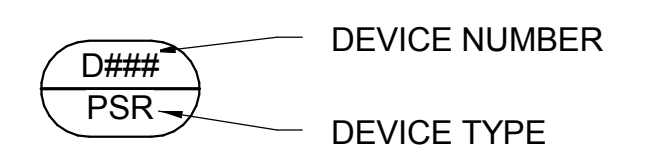


2 MOUNTING DETAIL - CATWALK DEVICES
1/2" = 1'-0"



3 DETAIL SECTION - BOOTH PIPE
1/2" = 1'-0"

DEVICE KEY



CONTROL DEVICES

- C###** ET ETHERNET TAP MOUNT AT RECEPTACLE HEIGHT UNLESS OTHERWISE NOTED.
- C###** ET2 DUAL ETHERNET TAP MOUNT AT RECEPTACLE HEIGHT UNLESS OTHERWISE NOTED.
- C###** CC1 CONSOLE CONNECTION PANEL. MOUNT AT PROJECT RECEPTACLE HEIGHT.
- C###** CC2 FLOOR BOX TECH TABLE CONNECTION PANEL.
- C###** EP ENTRY STATION. MOUNT AT PROJECT HEIGHT UNLESS OTHERWISE NOTED.
- C###** TP TOUCH PANEL LIGHTING CONTROL. RACK MOUNTED.
- C###** FP FADER PANEL. MOUNT AT SWITCH HEIGHT UNLESS OTHERWISE NOTED.
- C###** AP ARCHITECTURAL LIGHTING PROCESSOR. RACK MOUNTED.
- C###** ES ETHERNET SWITCH AND PATCHBAY. RACK MOUNTED.
- C###** EN FOUR-PORT ETHERNET NODE.

DISTRIBUTION DEVICES

- D###** PSR PLUG-IN STRIP WITH RECEPTACLES
- D###** PSP PLUG-IN STRIP WITH PIGTAILS
- D###** PBR PLUG-IN BOX WITH RECEPTACLES
- D###** PBP PLUG-IN BOX WITH PIGTAILS
- D###** HL JUNCTION BOX FOR ARCHITECTURAL LIGHTING POWER CONNECTIONS

COMPANY SWITCH AMPERAGE INDICATED

DIVISION 26 DEVICES

- 5-20 20A 120VAC DUPLEX RECEPTACLE INTEGRATED WITH CONTROL DEVICE

RISER DIAGRAM WIRING KEY

- POWER
- CONTROL

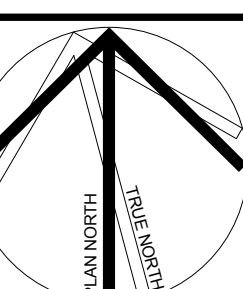
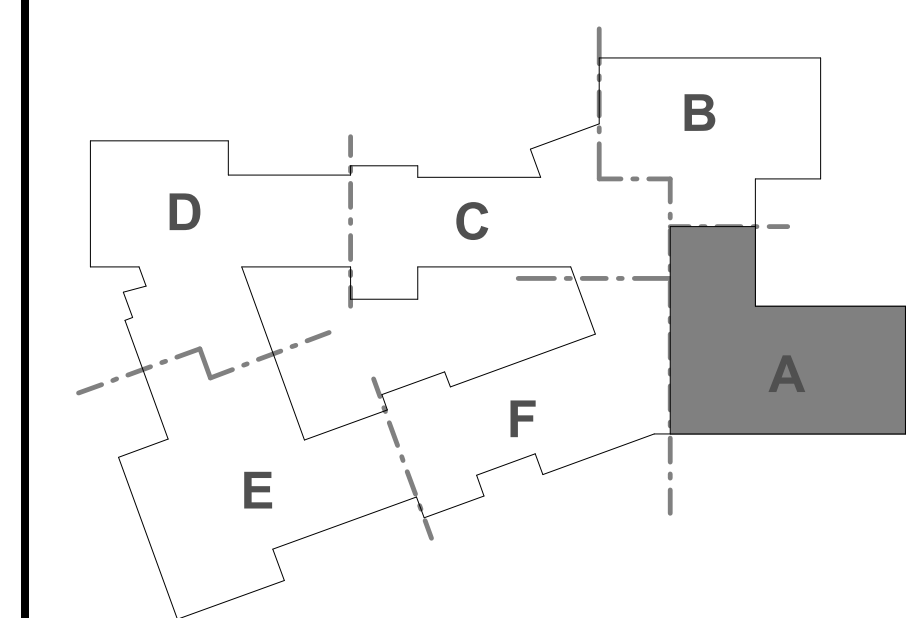
CONTROL WIRING LEGEND

TYPE	WIRE TYPE(S)	SIGNAL
A	(1) BELDEN 8471 (1) #14 AWG. STRANDED WIRE (2) #16 AWG	ARCH. CTRL.
B	(1) BELDEN 1583A	NETWORK
C	(1) BELDEN 9729	DMX

NOTES

1. ALL CIRCUITS HOME-RUN TO PANELS FOR TERMINATION.
2. NO COMMON NEUTRALS PERMITTED. EACH CIRCUIT MUST HAVE DEDICATED NEUTRAL.
3. ALL DEVICES MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED.
4. ALL EXPOSED SURFACES ON ON-STAGE DEVICES FINISHED MATTE BLACK UNLESS OTHERWISE NOTED. PROVIDE BRACKETS AND HARDWARE FOR MOUNTING CONTRL AND DISTRIBUTION DEVICES AS REQUIRED.
5. ALL LOW-VOLTAGE CONTROL WIRING INSTALLED IN METAL CONDUIT.
6. FINAL CONTROL WIRING TYPES TO BE CONFIRMED BY LIGHTING SYSTEM MANUFACTURER.

KEYPLAN



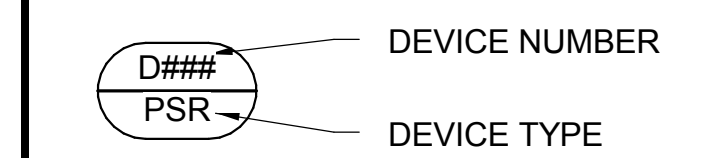
THEATRICAL LIGHTING CONTROL DEVICE SCHEDULE

DEVICE ID (C)	DEVICE TYPE	DESCRIPTION	LOCATION	FINISH	MOUNT TYPE	MOUNTING HEIGHT	BACK BOX SIZE
101	CC1	CONTROL CONSOLE PLUG-IN	CONTROL BOOTH	BLACK	FLUSH	P.R.H.	FIVE GANG ELECTRICAL BOX
102	CC2	FLOOR BOX CONTROL PLUG-IN	TECH POSITION	PER ARCHITECT			FLOOR BOX
103	ET	ETHERNET TAP, SINGLE	CONTROL BOOTH	BLACK	FLUSH	P.R.H.	TWO GANG ELECTRICAL BOX
104	ET	ETHERNET TAP, SINGLE	CONTROL BOOTH	BLACK	FLUSH	P.R.H.	TWO GANG ELECTRICAL BOX
105	ET2	ETHERNET TAP, DUAL	BOOTH PIPE	PER ARCHITECT	FLUSH	PER DETAIL	THREE GANG ELECTRICAL BOX
106	ET2	ETHERNET TAP, DUAL	CATWALK	BLACK	CATWALK VERTICAL SUPPORT	PER DETAIL	THREE GANG ELECTRICAL BOX
107	ET2	ETHERNET TAP, DUAL	PROSCENIUM PIPE	BLACK	PIPE	PER DETAIL	THREE GANG ELECTRICAL BOX
108	ET2	ETHERNET TAP, DUAL	HOUSE RIGHT WALL PIPE	PER ARCHITECT	FLUSH	PER DETAIL	THREE GANG ELECTRICAL BOX
109	ET2	ETHERNET TAP, DUAL	HOUSE LEFT WALL PIPE	PER ARCHITECT	FLUSH	PER DETAIL	THREE GANG ELECTRICAL BOX
110	ET2	ETHERNET TAP, DUAL	ELECTRIC #1	BLACK	INTEGRATED INTO CONNECTOR STRIP	P.R.H.	THREE GANG ELECTRICAL BOX
111	ET2	ETHERNET TAP, DUAL	ELECTRIC #2	BLACK	INTEGRATED INTO CONNECTOR STRIP	P.R.H.	THREE GANG ELECTRICAL BOX
112	ET2	ETHERNET TAP, DUAL	ELECTRIC #3	BLACK	INTEGRATED INTO CONNECTOR STRIP	P.R.H.	THREE GANG ELECTRICAL BOX
113	ET2	ETHERNET TAP, DUAL	ELECTRIC #4	BLACK	INTEGRATED INTO CONNECTOR STRIP	P.R.H.	THREE GANG ELECTRICAL BOX
114	ET2	ETHERNET TAP, DUAL	ELECTRIC #5	BLACK	INTEGRATED INTO CONNECTOR STRIP	P.R.H.	THREE GANG ELECTRICAL BOX
115	ET2	ETHERNET TAP, DUAL	DOWNSTAGE LEFT	BLACK	FLUSH	P.R.H.	THREE GANG ELECTRICAL BOX
116	ET2	ETHERNET TAP, DUAL	DOWNSTAGE RIGHT	BLACK	FLUSH	P.R.H.	THREE GANG ELECTRICAL BOX
117	ET	ETHERNET TAP, SINGLE	UPSTAGE LEFT	BLACK	FLUSH	P.R.H.	TWO GANG ELECTRICAL BOX
118	ET	ETHERNET TAP, SINGLE	UPSTAGE CENTER	BLACK	FLUSH	P.R.H.	TWO GANG ELECTRICAL BOX
119	ET	ETHERNET TAP, SINGLE	UPSTAGE RIGHT	BLACK	FLUSH	P.R.H.	TWO GANG ELECTRICAL BOX
120	ET	ETHERNET TAP, SINGLE	STAGE APRON	PER ARCHITECT	FLUSH	P.R.H.	TWO GANG ELECTRICAL BOX
121	TP	TOUCH PANEL	SOUND BOOTH	BLACK	FLUSH	P.S.H.	CUSTOM BACK BOX
122	TP	TOUCH PANEL	STAGE EQUIPMENT RACK	BLACK	RACK	IN RACK	CUSTOM BACK BOX
123	FP	FADER PANEL	DOWNSTAGE RIGHT	BLACK	FLUSH	P.S.H.	FOUR GANG ELECTRICAL BOX
124	EP	ENTRY PANEL	HOUSE REAR ENTRY	PER ARCHITECT	FLUSH	P.S.H.	ONE GANG ELECTRICAL BOX
125	EP	ENTRY PANEL	HOUSE RIGHT ENTRY	PER ARCHITECT	FLUSH	P.S.H.	ONE GANG ELECTRICAL BOX
126	EP	ENTRY PANEL	HOUSE LEFT ENTRY	PER ARCHITECT	FLUSH	P.S.H.	ONE GANG ELECTRICAL BOX
127	ES	ETHERNET SWITCH	LIGHTING CONTROL RACK	N/A	RACK		
128	AP	ARCHITECTURAL LIGHTING PROCESSOR	LIGHTING CONTROL RACK	N/A	RACK		
129	D4	4-PORT DMX NODE	LIGHTING CONTROL RACK	N/A	RACK		

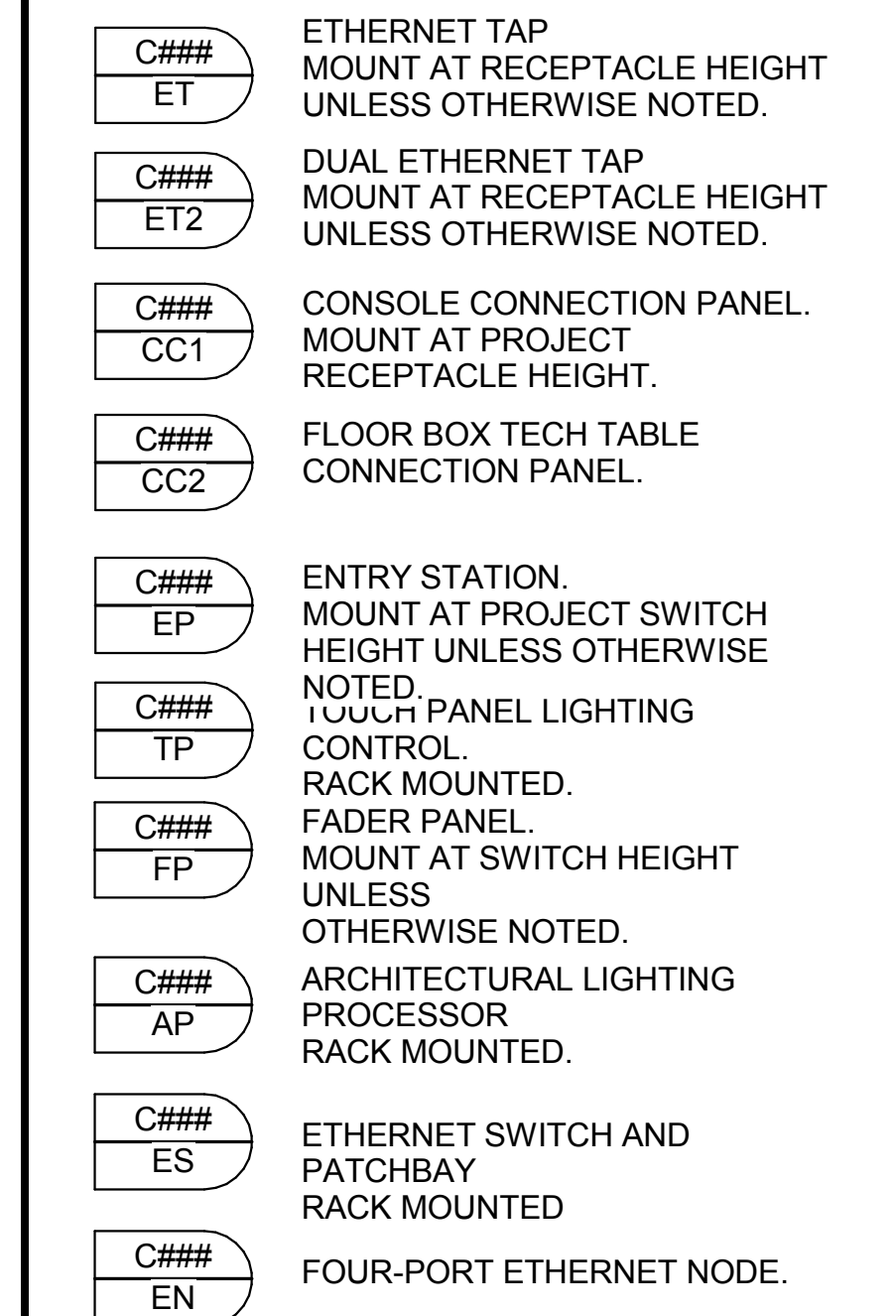
THEATRICAL LIGHTING DISTRIBUTION DEVICE SCHEDULE

DEVICE ID (D)	DEVICE TYPE	DESCRIPTION	LOCATION	FINISH	MOUNT TYPE	MOUNTING HEIGHT	# OF CIRCUITS (20A)	START #	END #
101	PBR	PLUG-IN BOX WITH RECEPTACLES	CONTROL BOOTH	BLACK	FLUSH	P.R.H.	1	1	1
102	PBR	PLUG-IN BOX WITH RECEPTACLES	CONTROL BOOTH	BLACK	FLUSH	P.R.H.	1	2	2
103	PBR	PLUG-IN BOX WITH RECEPTACLES	BOOTH PIPE	PER ARCHITECT	FLUSH	PER DETAIL	2	3	4
104	PBR	PLUG-IN BOX WITH RECEPTACLES	BOOTH PIPE	PER ARCHITECT	FLUSH	PER DETAIL	2	5	6
105	PSP	PLUG-IN STRIP WITH PIGTAILS	CATWALK	BLACK	SURFACE	PER DETAIL	3	7	9
106	PSP	PLUG-IN STRIP WITH PIGTAILS	CATWALK	BLACK	SURFACE	PER DETAIL	3	10	12
107	PSP	PLUG-IN STRIP WITH PIGTAILS	CATWALK	BLACK	SURFACE	PER DETAIL	3	13	15
108	PSP	PLUG-IN STRIP WITH PIGTAILS	CATWALK	BLACK	SURFACE	PER DETAIL	3	16	18
109	PSR	PLUG-IN STRIP WITH RECEPTACLES	PROSCENIUM PIPE	BLACK	PIPE MOUNT	PER DETAIL	3	19	21
110	PSR	PLUG-IN STRIP WITH RECEPTACLES	PROSCENIUM PIPE	BLACK	PIPE MOUNT	PER DETAIL	3	22	24
111	PSR	PLUG-IN STRIP WITH RECEPTACLES	PROSCENIUM PIPE	BLACK	PIPE MOUNT	PER DETAIL	3	25	27
112	PSR	PLUG-IN STRIP WITH RECEPTACLES	PROSCENIUM PIPE	BLACK	PIPE MOUNT	PER DETAIL	3	28	30
113	PBR	PLUG-IN BOX WITH RECEPTACLES	HOUSE RIGHT WALL PIPE	PER ARCHITECT	FLUSH	PER DETAIL	2	31	32
114	PBR	PLUG-IN BOX WITH RECEPTACLES	HOUSE LEFT WALL PIPE	PER ARCHITECT	FLUSH	PER DETAIL	2	33	34
115	PSP	PLUG-IN STRIP WITH PIGTAILS	ELECTRIC #1	BLACK	BATTEN		5	35	39
116	PSP	PLUG-IN STRIP WITH PIGTAILS	ELECTRIC #2	BLACK	BATTEN		5	40	44
117	PSP	PLUG-IN STRIP WITH PIGTAILS	ELECTRIC #3	BLACK	BATTEN		5	45	49
118	PSP	PLUG-IN STRIP WITH PIGTAILS	ELECTRIC #4	BLACK	BATTEN		5	50	54
119	PSP	PLUG-IN STRIP WITH PIGTAILS	ELECTRIC #5	BLACK	BATTEN		5	55	59
120	PBR	PLUG-IN BOX WITH RECEPTACLES	DOWNSTAGE LEFT	BLACK	FLUSH	P.R.H.	1	60	60
121	PBR	PLUG-IN BOX WITH RECEPTACLES	DOWNSTAGE RIGHT	BLACK	FLUSH	P.R.H.	1	61	61
122	PBR	PLUG-IN BOX WITH RECEPTACLES	UPSTAGE LEFT	BLACK	FLUSH	P.R.H.	1	62	62
123	PBR	PLUG-IN BOX WITH RECEPTACLES	UPSTAGE CENTER	BLACK	FLUSH	P.R.H.	1	63	63
124	PBR	PLUG-IN BOX WITH RECEPTACLES	UPSTAGE RIGHT	BLACK	FLUSH	P.R.H.	1	64	64
125	PBR	PLUG-IN BOX WITH RECEPTACLES	STAGE APRON	PER ARCHITECT	FLUSH	P.R.H.	2	65	66
125	HL	HOUSE LIGHTING POWER					6	67	72
126	CC	CC AND ET POWER					4	73	76
127	SP	SPARE CIRCUITS					3	77	79

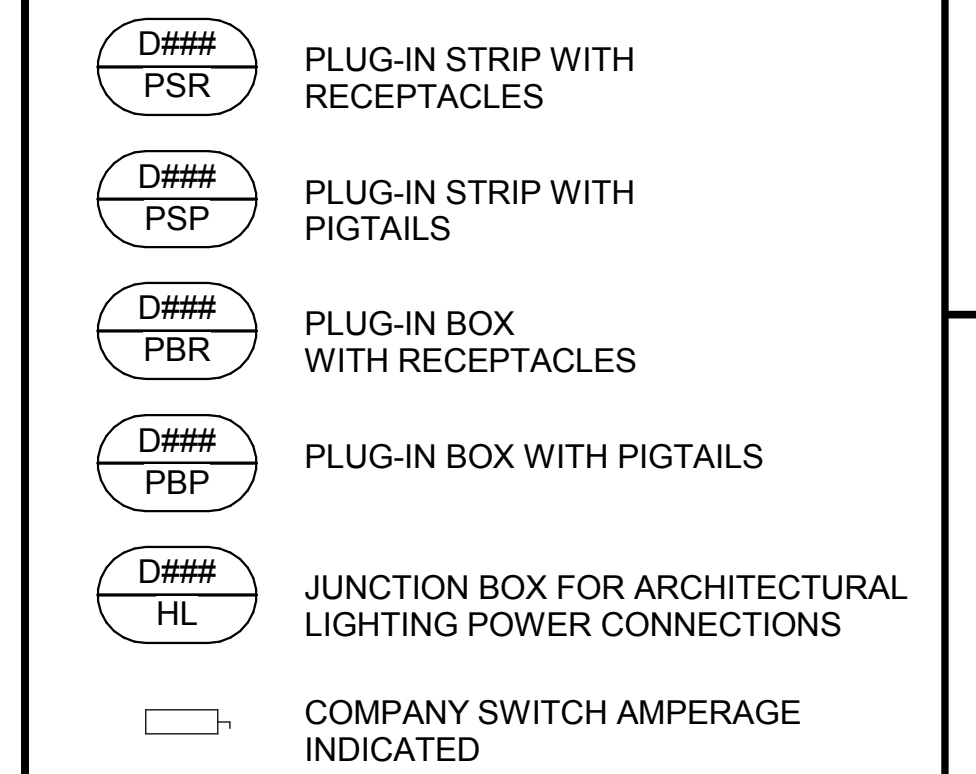
DEVICE KEY



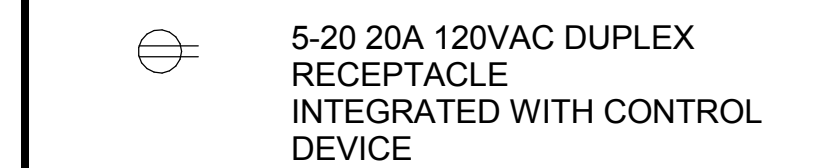
CONTROL DEVICES



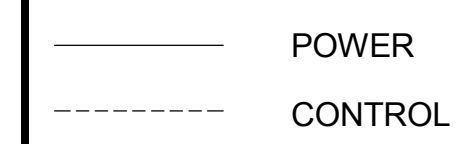
DISTRIBUTION DEVICES



DIVISION 26 DEVICES



RISER DIAGRAM WIRING KEY

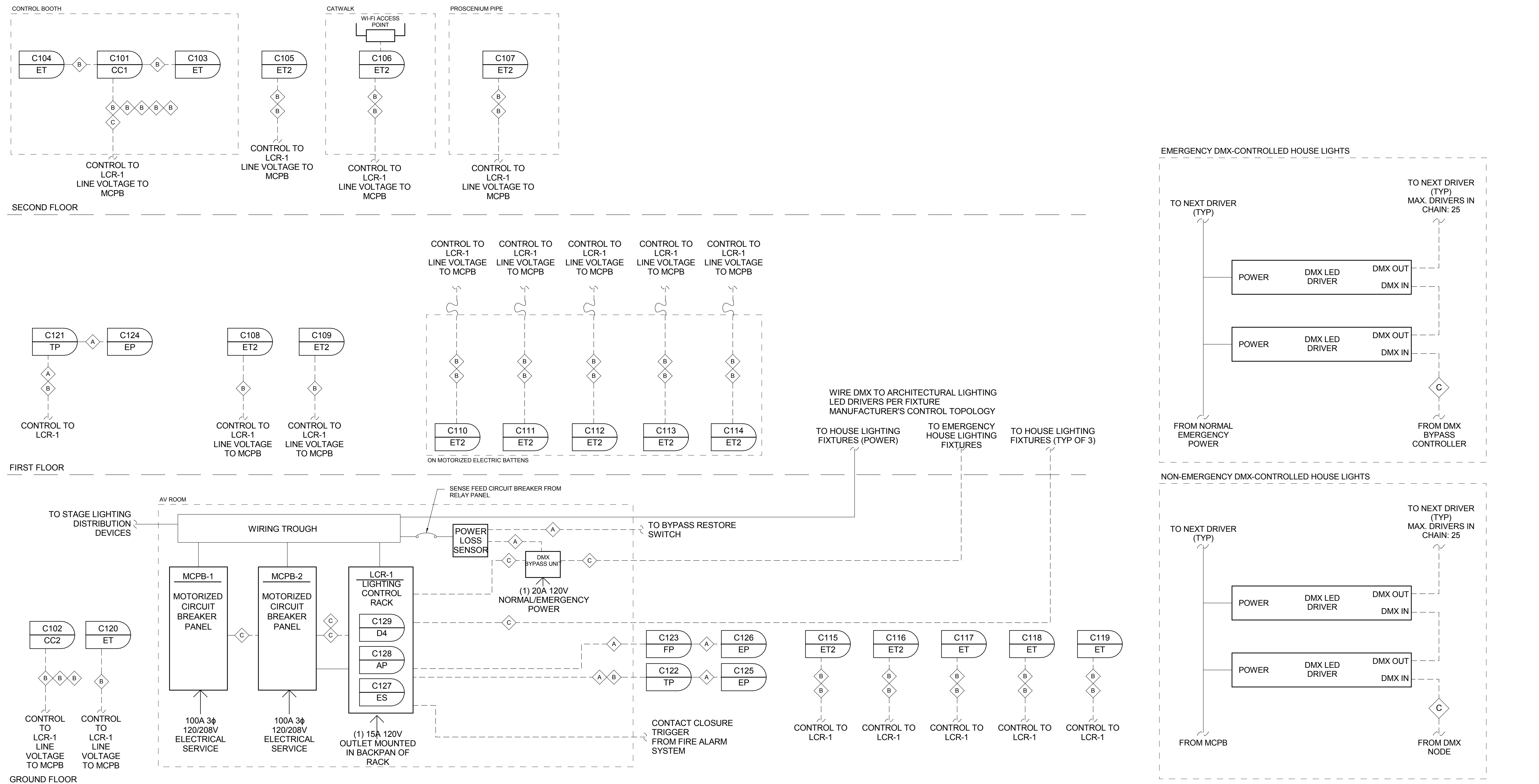


CONTROL WIRING LEGEND

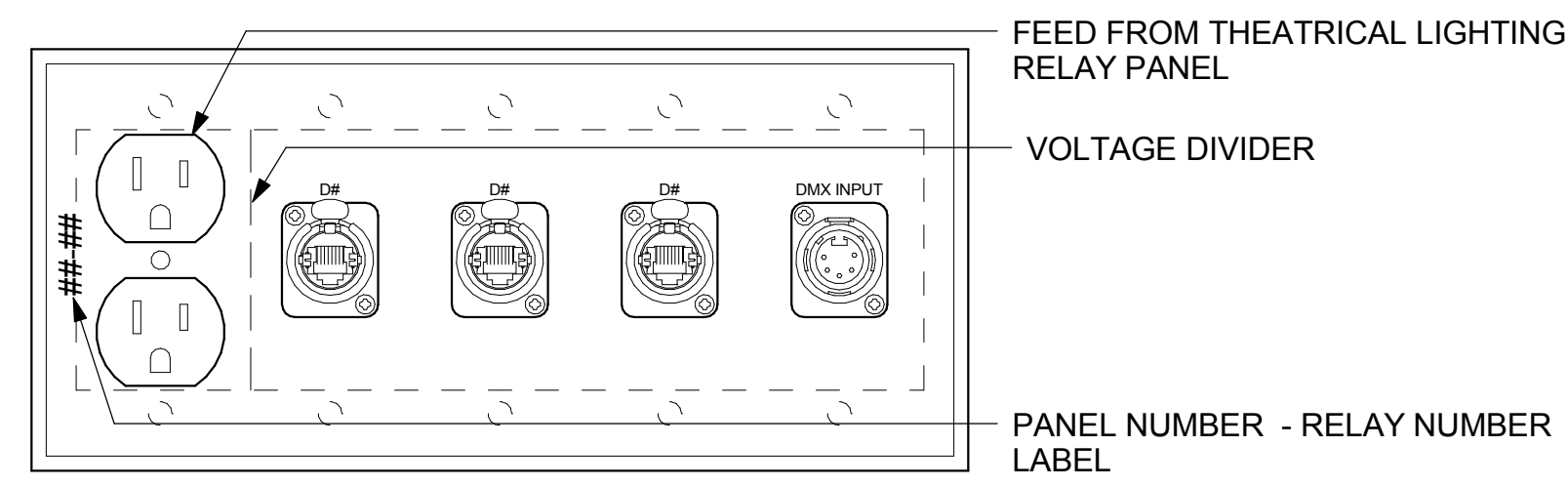
TYPE	WIRE TYPE(S)	SIGNAL
A	(1) BELDEN 8471 (1) #14 AWG. STRANDED WIRE (2) #16 AWG	ARCH. CTRL.
B	(1) BELDEN 1583A	NETWORK
C	(1) BELDEN 9729	DMX

NOTES

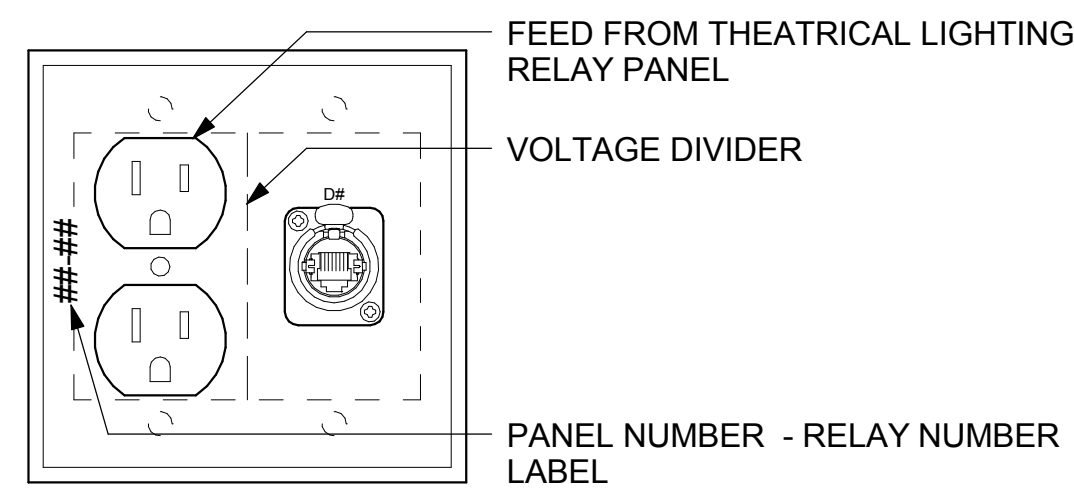
- ALL CIRCUITS HOME-RUN TO PANELS FOR TERMINATION.
- NO COMMON NEUTRALS PERMITTED. EACH CIRCUIT MUST HAVE DEDICATED NEUTRAL.
- ALL DEVICES MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED.
- ALL EXPOSED SURFACES ON ON-STAGE DEVICES FINISHED MATTE BLACK UNLESS OTHERWISE NOTED. PROVIDE BRACKETS AND HARDWARE FOR MOUNTING DEVICES AND DISTRIBUTION DEVICES AS REQUIRED.
- ALL LOW-VOLTAGE CONTROL WIRING INSTALLED IN METAL CONDUIT. FINAL CONTROL WIRING TYPES TO BE CONFIRMED BY LIGHTING SYSTEM MANUFACTURER.



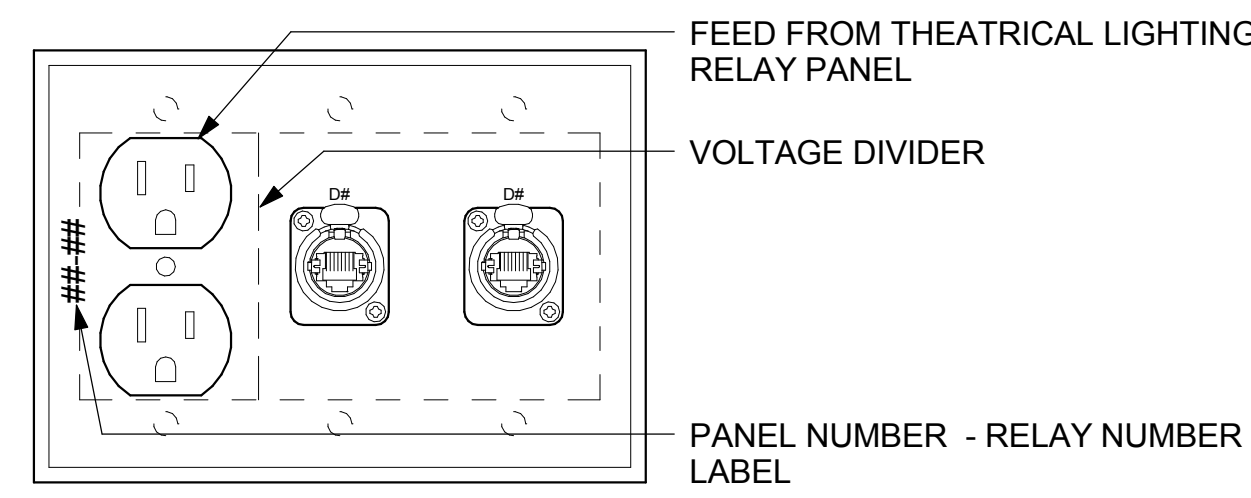
1 AUDITORIUM CONTROL RISER DIAGRAM NTS



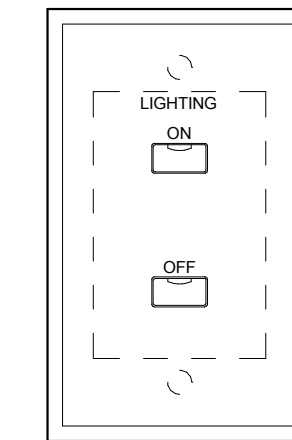
1 DEVICE DETAIL - CC1
6" = 1'-0"



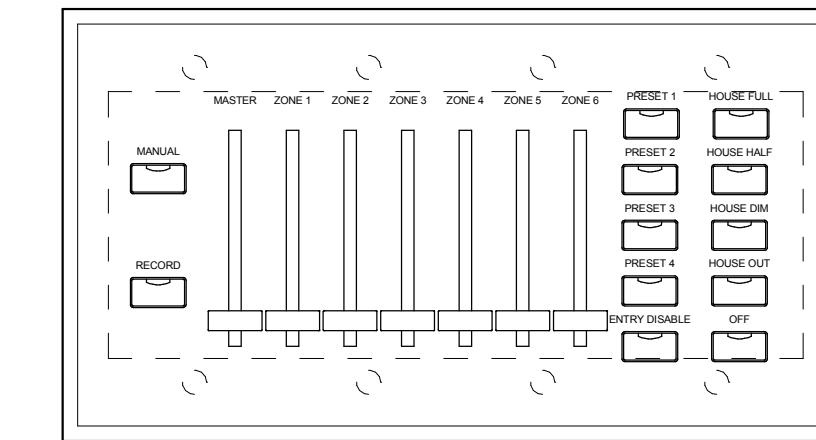
2 DEVICE DETAIL - ET
6" = 1'-0"



3 DEVICE DETAIL - ET2
6" = 1'-0"



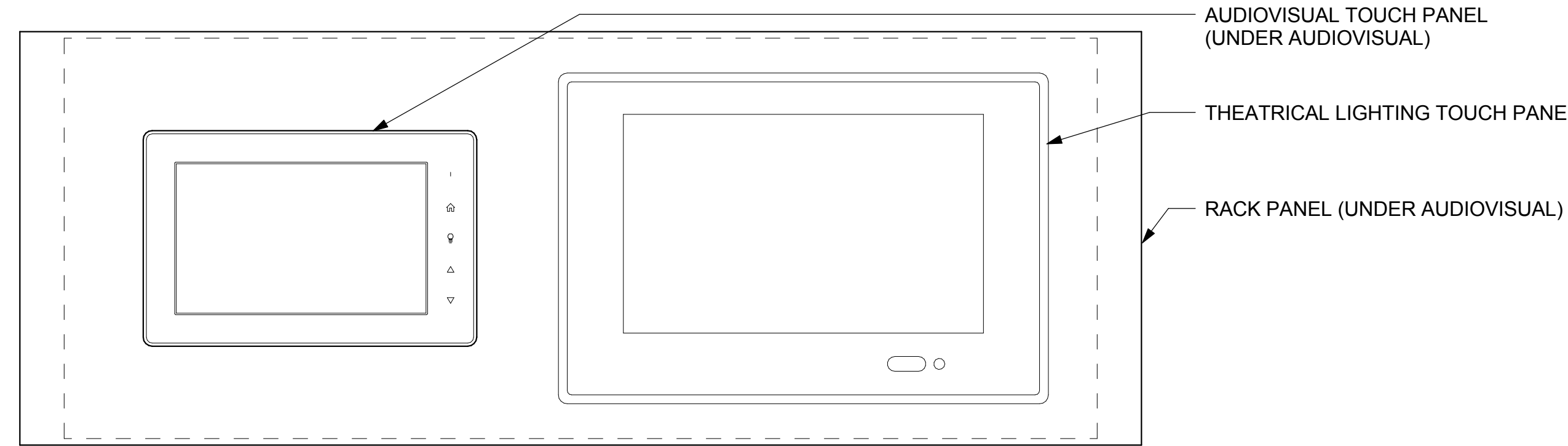
4 DEVICE DETAIL - EP
6" = 1'-0"



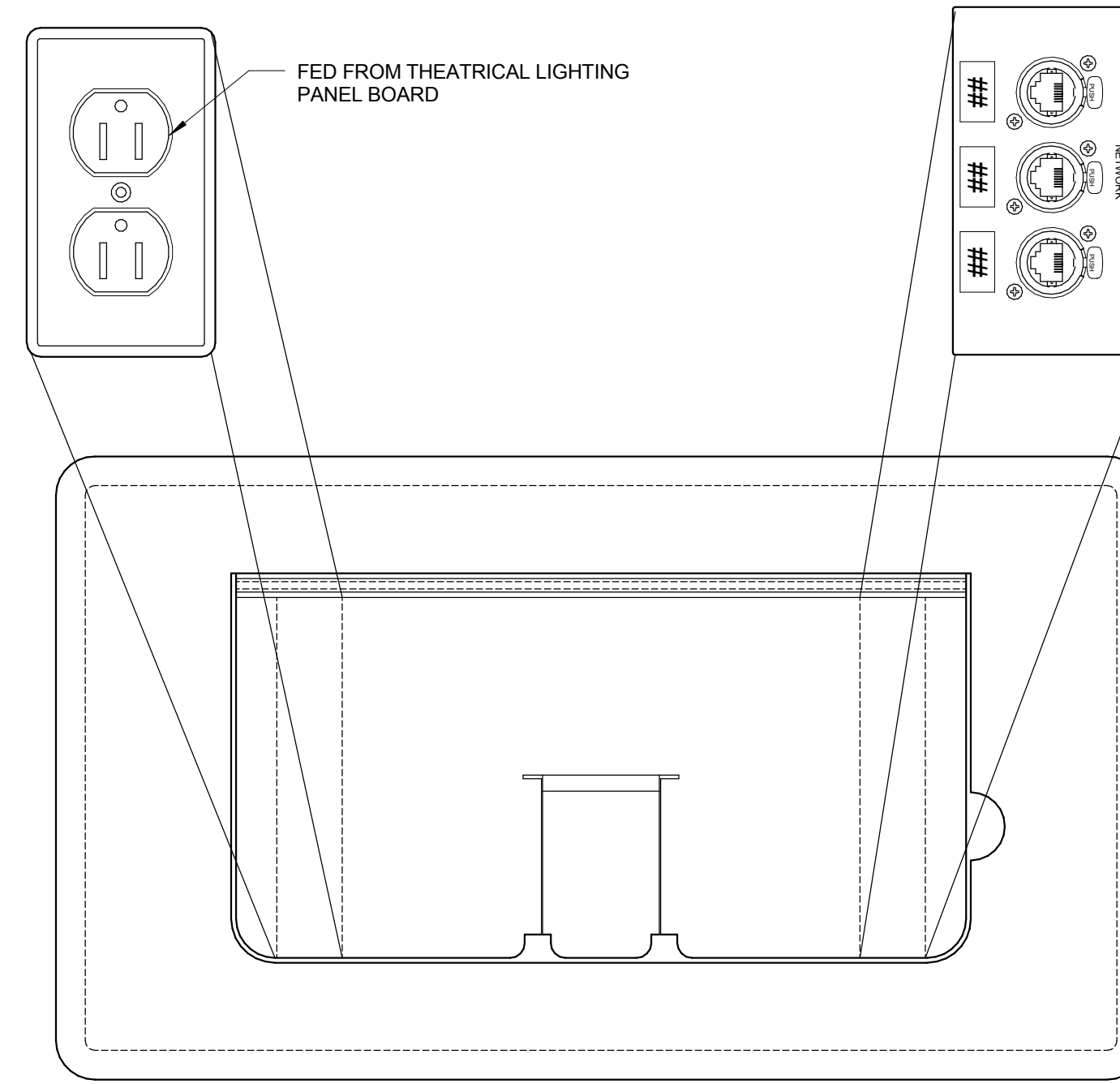
5 DEVICE DETAIL - FP
6" = 1'-0"



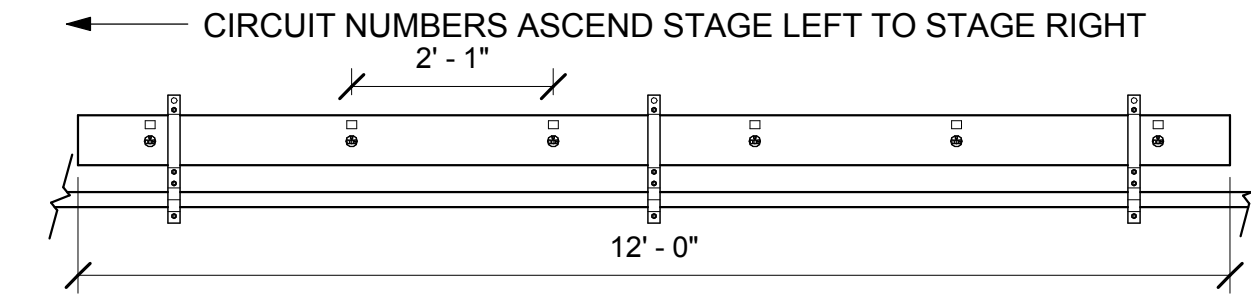
6 DEVICE DETAIL - WALL MOUNT TP
6" = 1'-0"



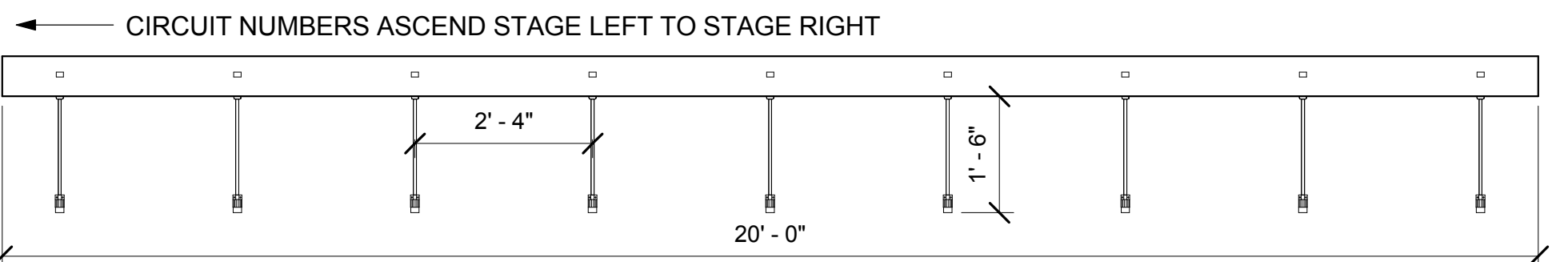
7 DEVICE DETAIL - STAGE RACK PANEL
6" = 1'-0"



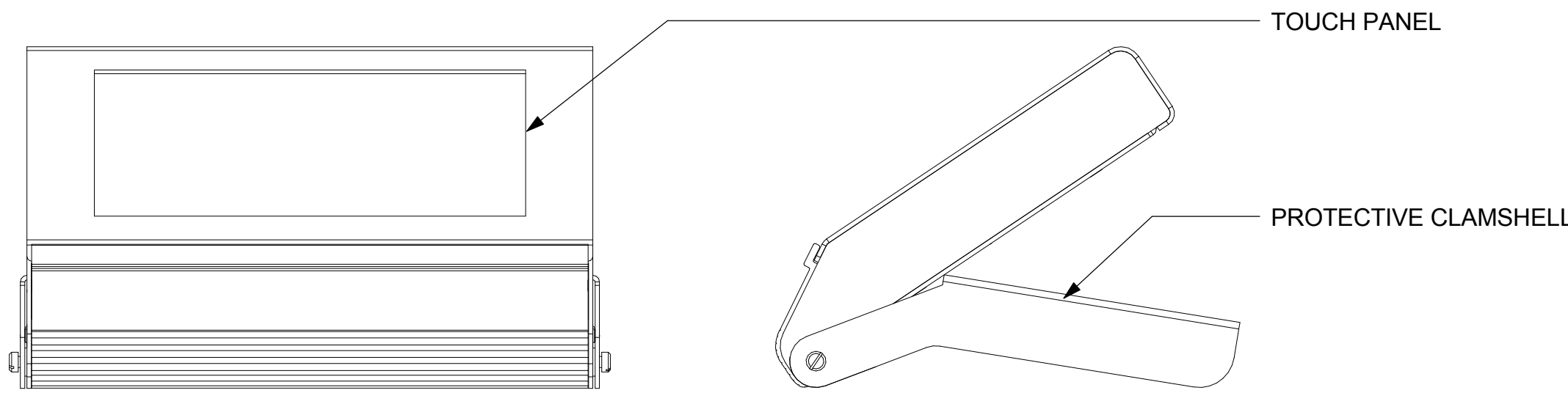
9 DEVICE DETAIL - CC2
6" = 1'-0"



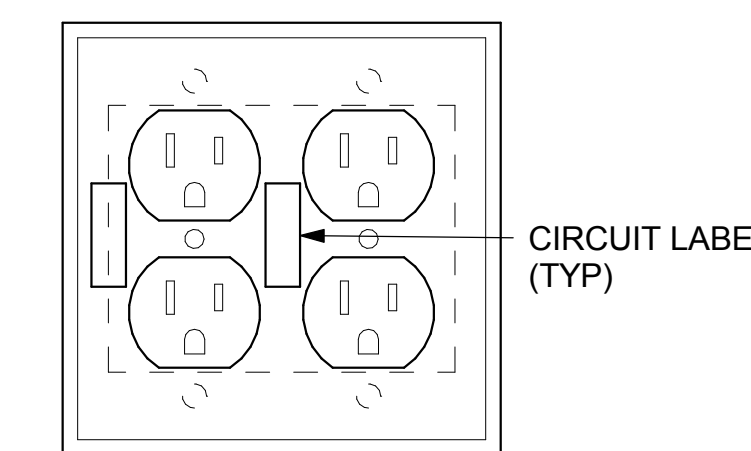
10 DEVICE DETAIL - PSR 3 CIRCUIT
1/2" = 1'-0"



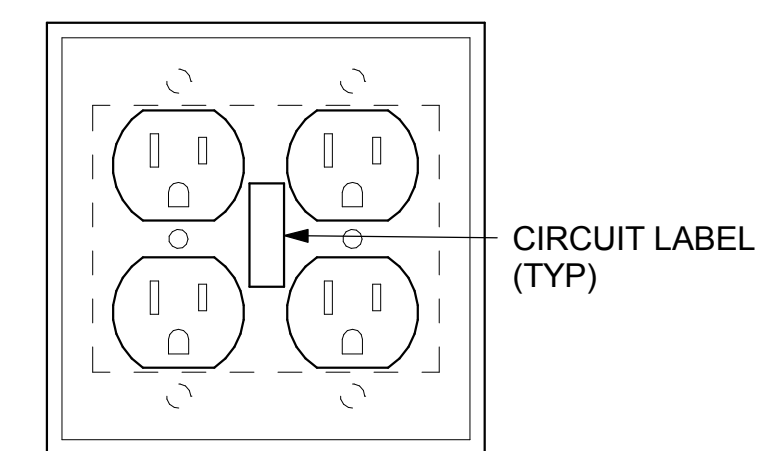
11 DEVICE DETAIL - PSP 3 CIRCUIT
1/2" = 1'-0"



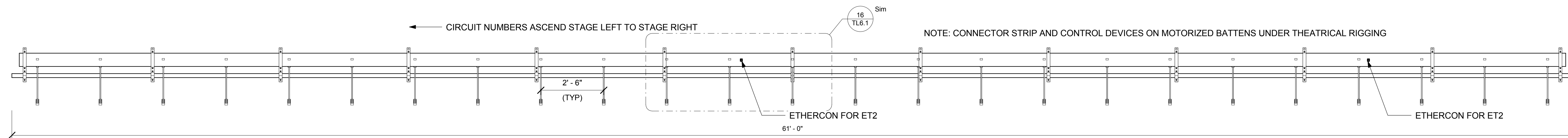
8 DEVICE DETAIL - PORTABLE TOUCH PANEL
6" = 1'-0"



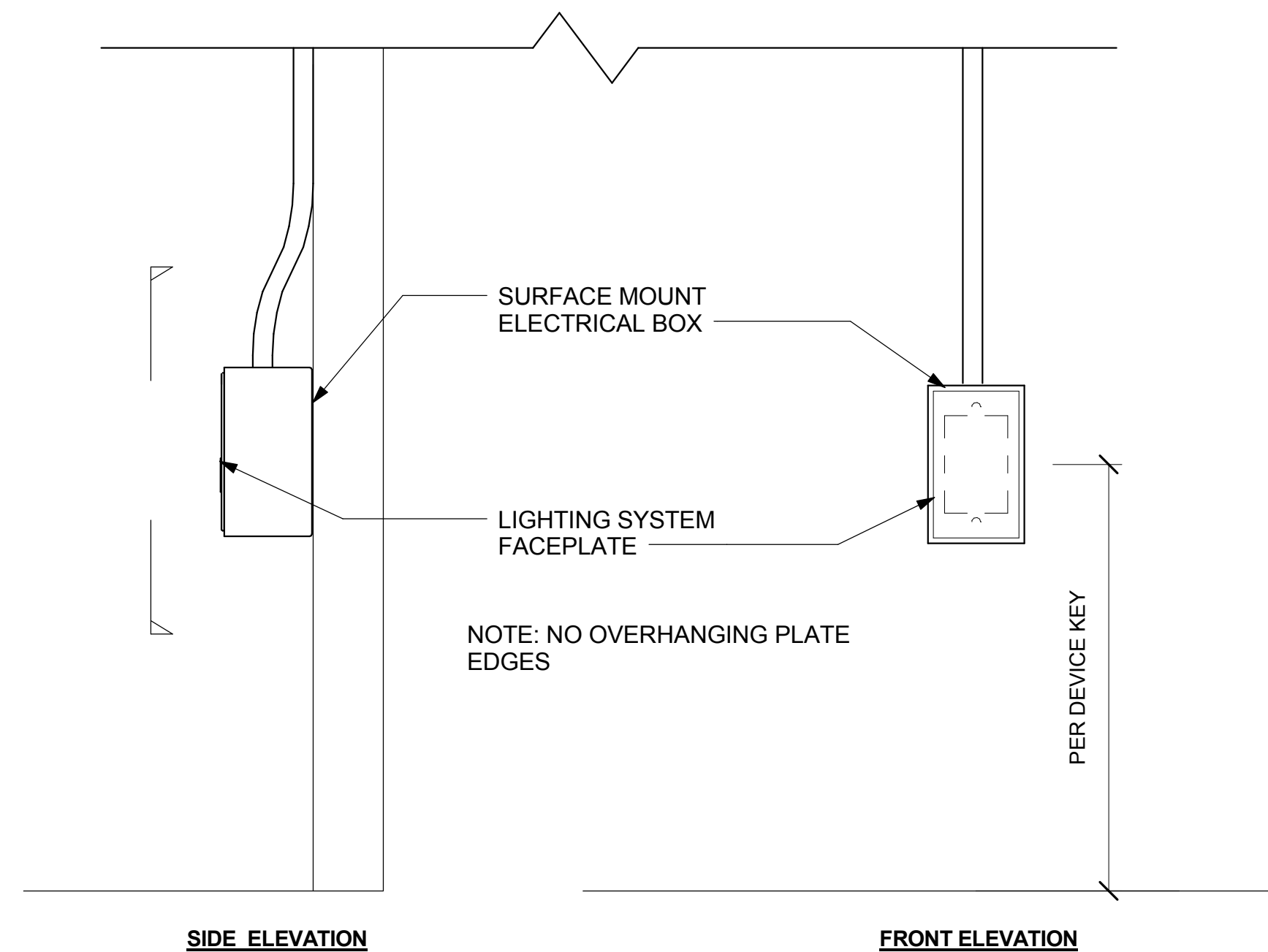
12 DEVICE DETAIL - PBR 1 CIRCUIT
6" = 1'-0"



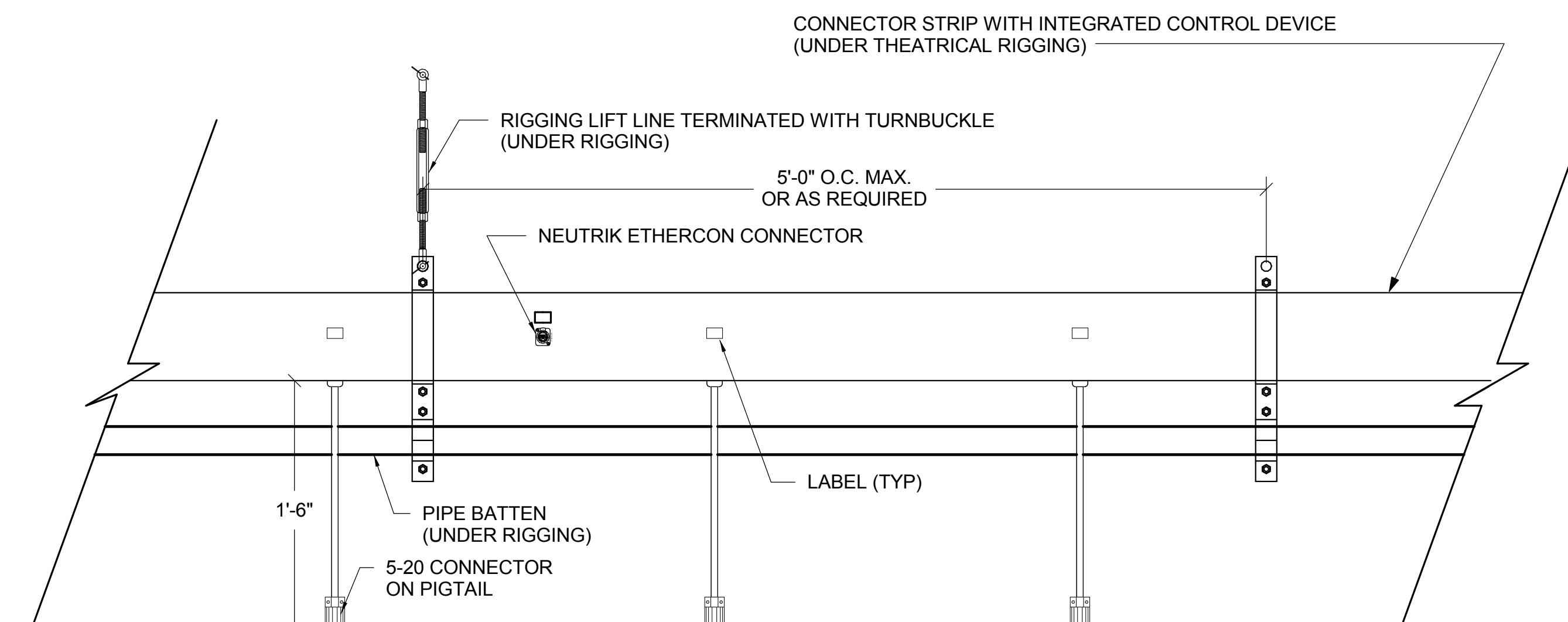
13 DEVICE DETAIL - PBR 2 CIRCUIT
6" = 1'-0"



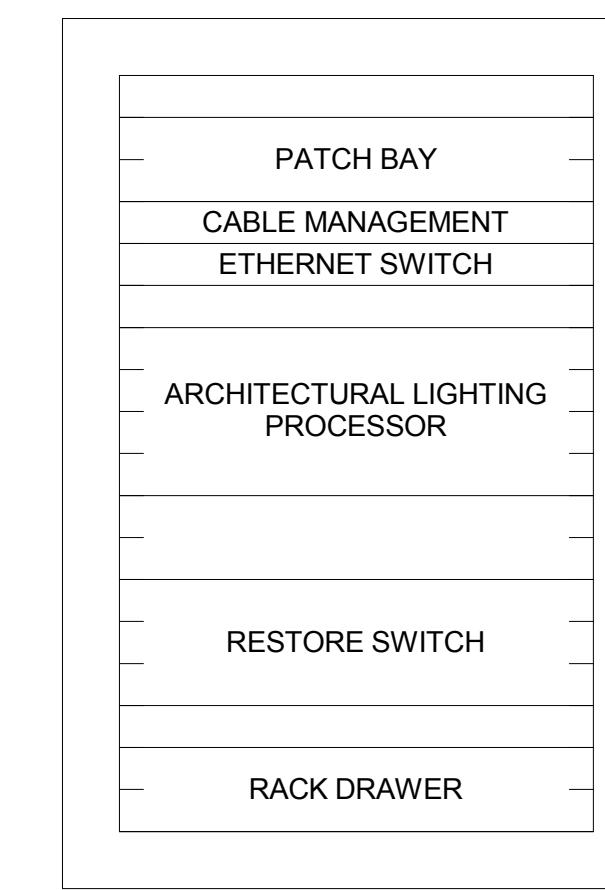
14 DEVICE DETAIL - PSP - 5 CIRCUIT WITH INTEGRATED ET2
1/2" = 1'-0"



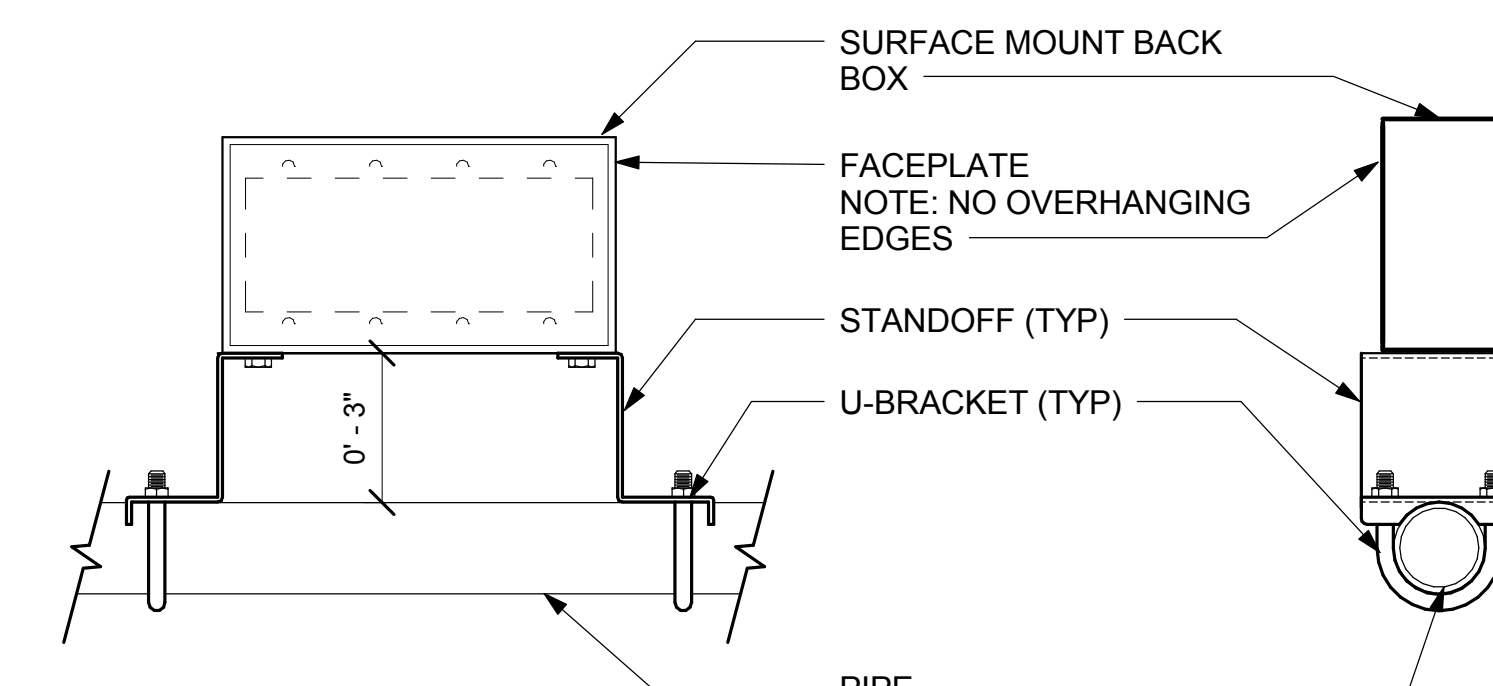
15 MOUNTING DETAIL - SURFACE MOUNT DEVICE
3" = 1'-0"



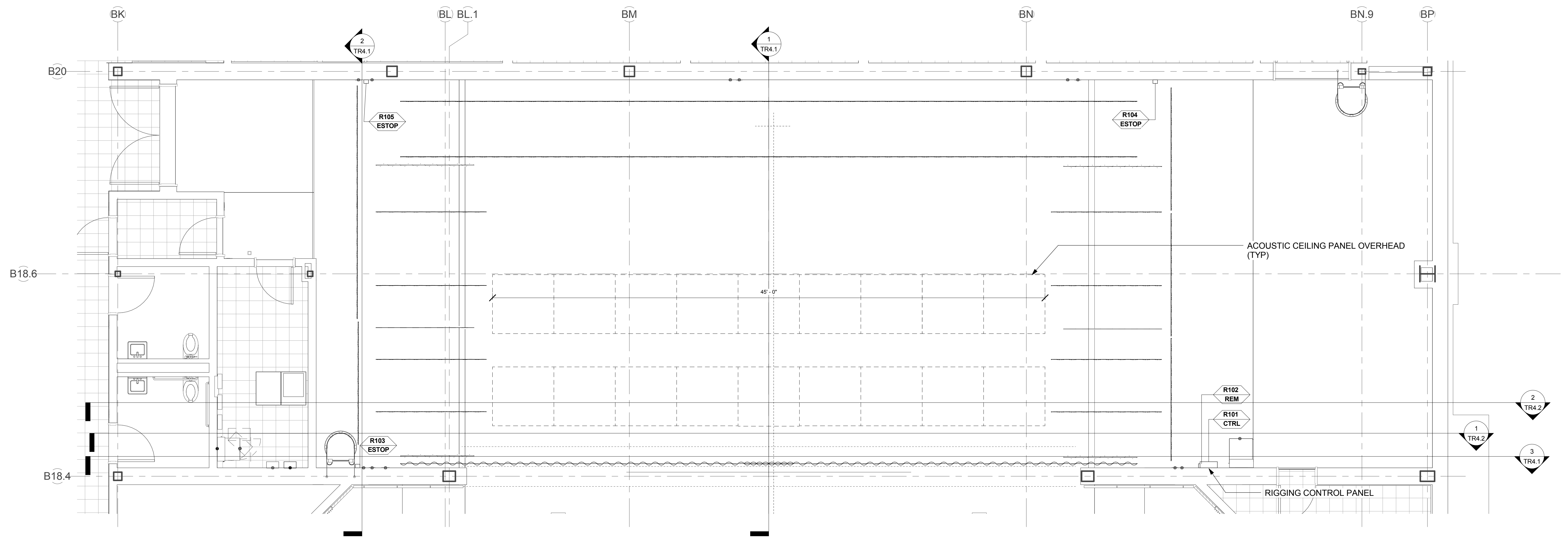
16 DETAIL - CONNECTOR STRIP WITH PIGTAILS
1 1/2" = 1'-0"



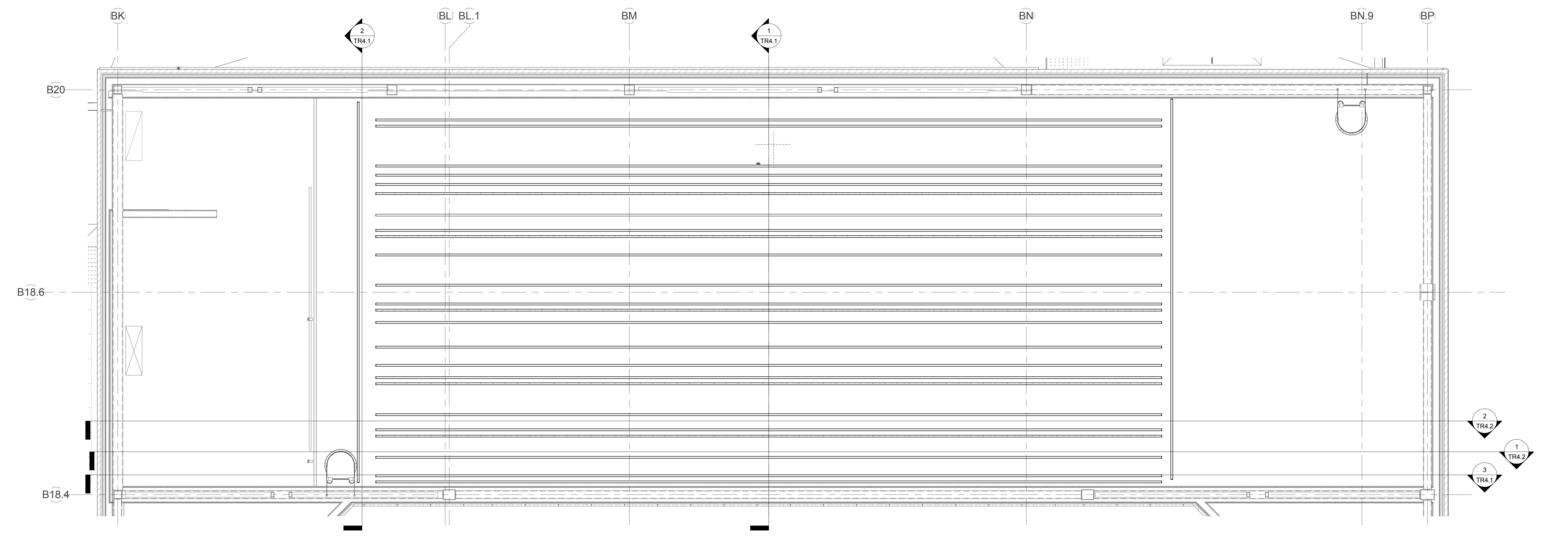
17 ELEVATION - LIGHTING CONTROL RACK
NTS



18 MOUNTING DETAIL - PIPE MOUNTED DEVICES (TYP)
3" = 1'-0"

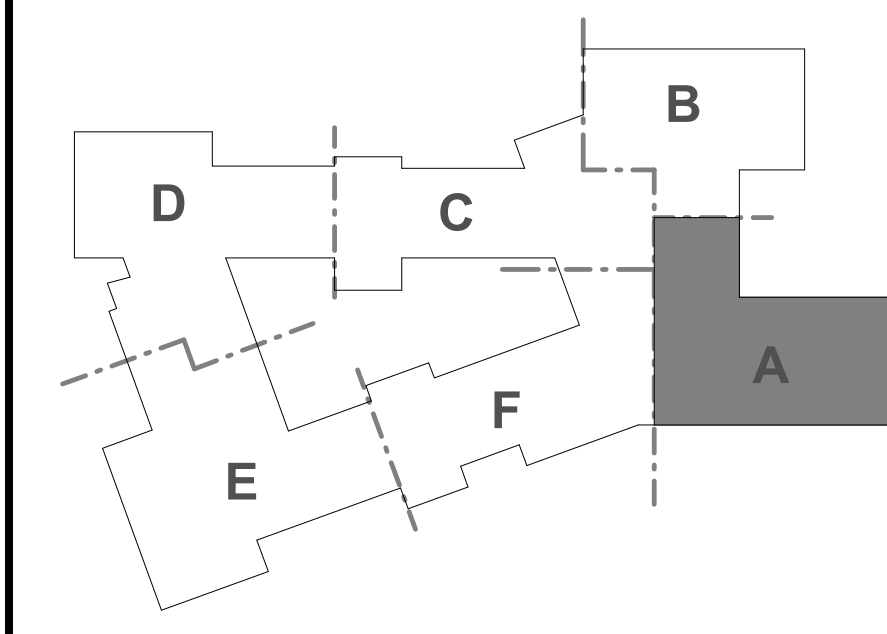


1 THEATRICAL RIGGING - AUDITORIUM - GROUND FLOOR PLAN
1/4" = 1'-0"

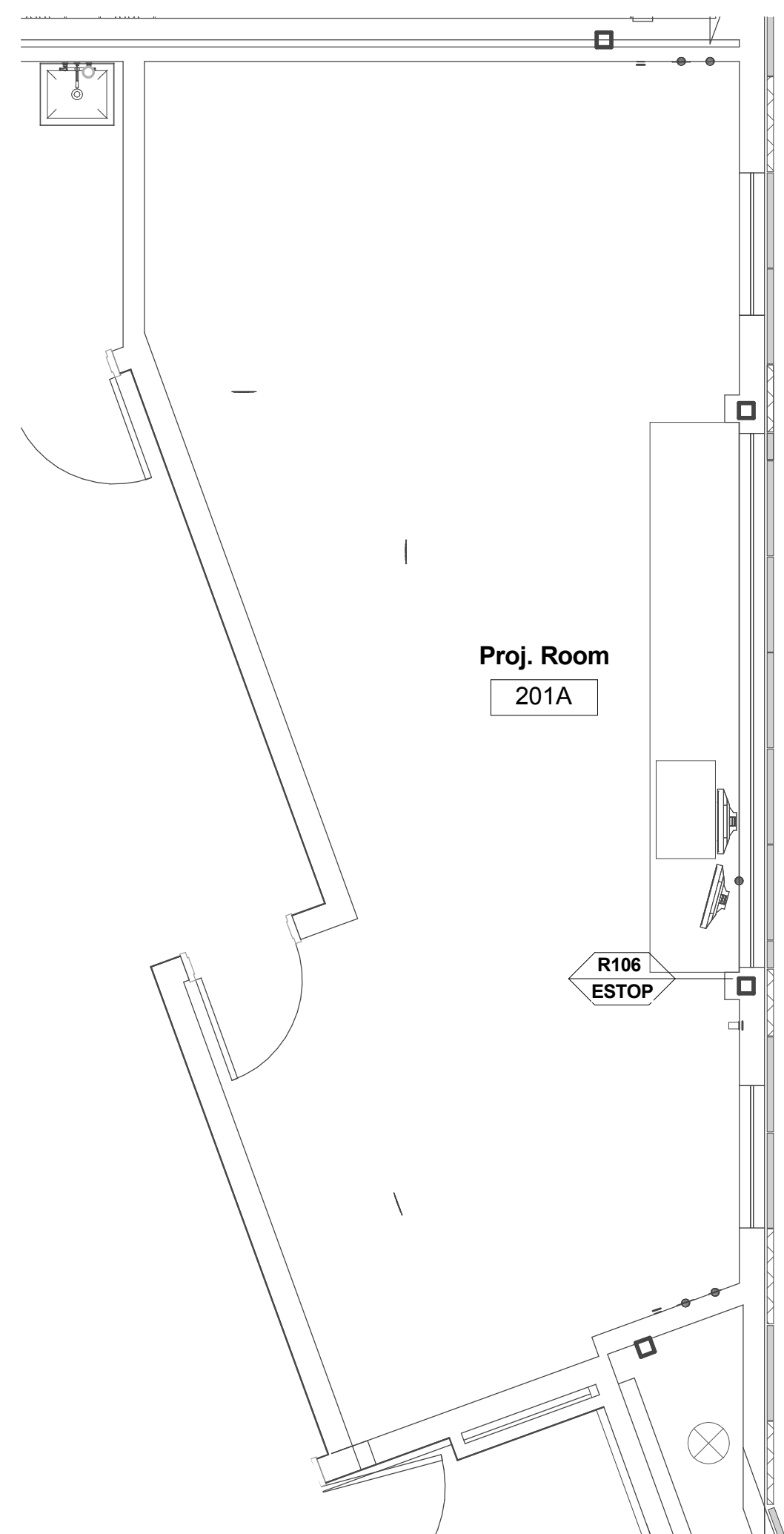


2 THEATRICAL RIGGING - AUDITORIUM - BATTEN PLAN
1/4" = 1'-0"

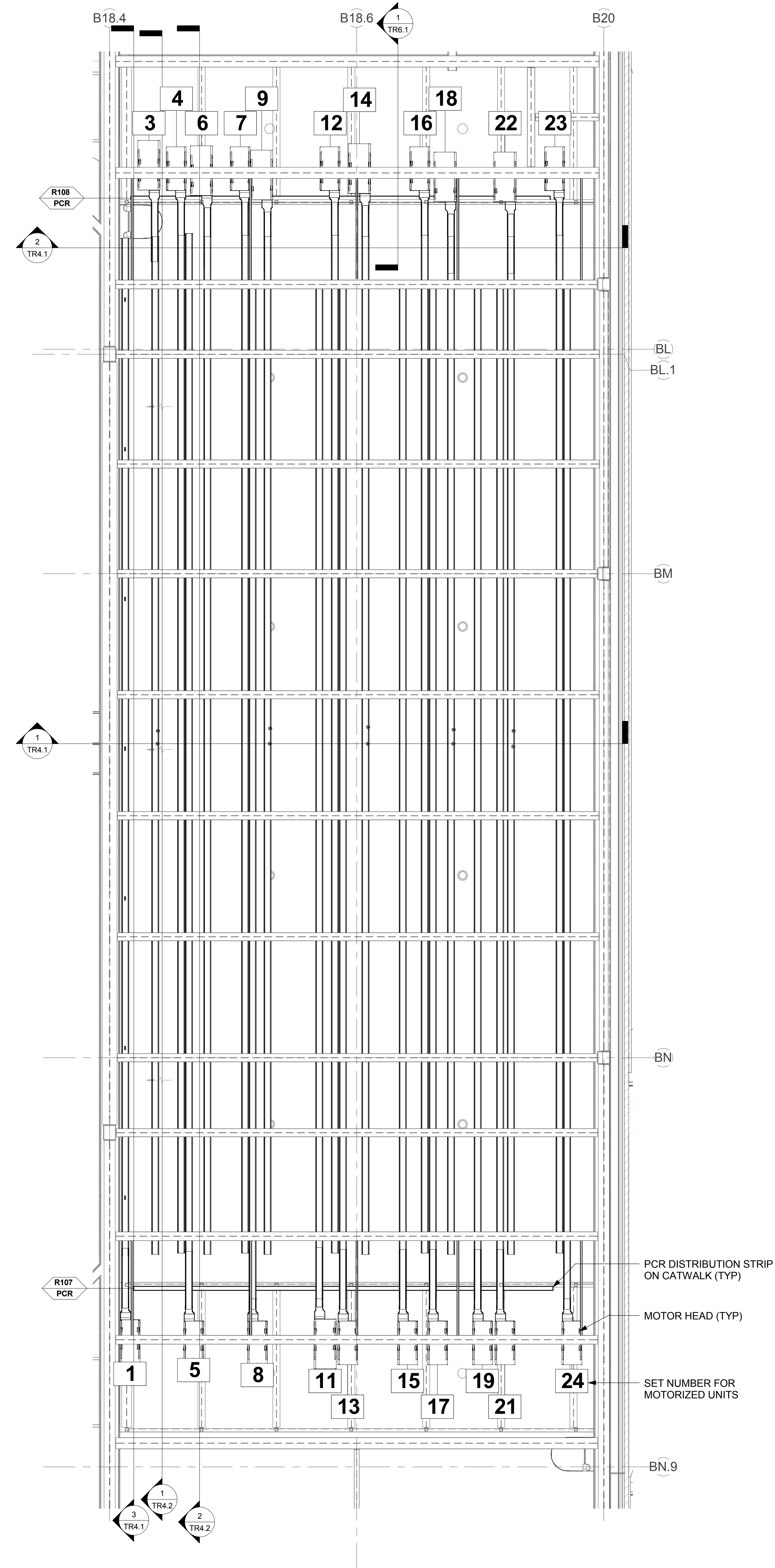
KEYPLAN



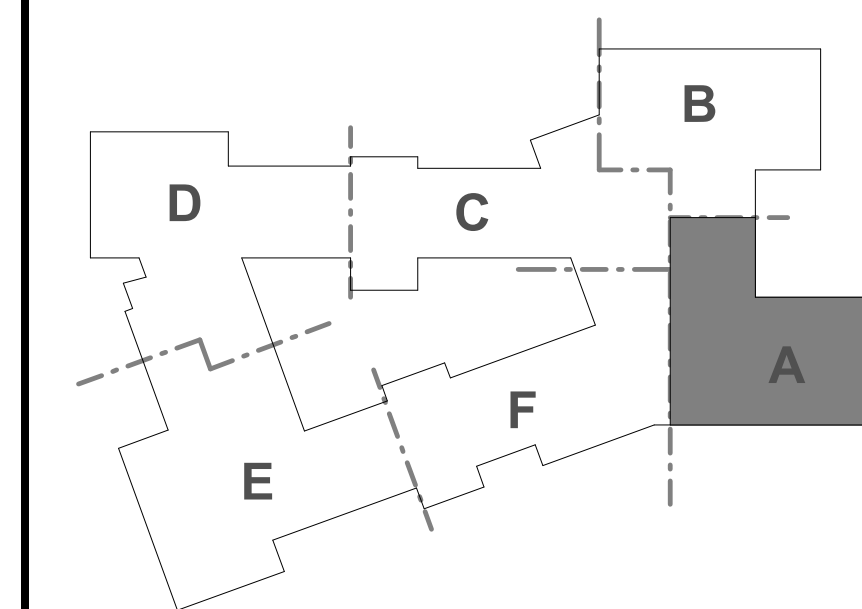
2 THEATRICAL RIGGING PLAN - PROJECTION ROOM
1/4" = 1'-0"



1 THEATRICAL RIGGING - MOTOR PLAN
1/4" = 1'-0"



KEYPLAN

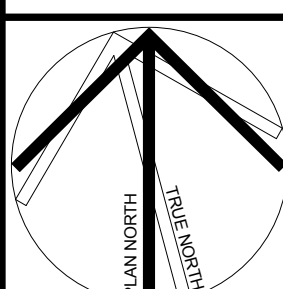


Dover HS / Career Technical Center
Dover, NH
THEATRICAL RIGGING PLANS
SCALE: 1/4" = 1'-0"
DRAWN BY: AUBRY
CHECKED BY: CHECKER

DRAWING NUMBER
TR1.2

JOB NUMBER 40114

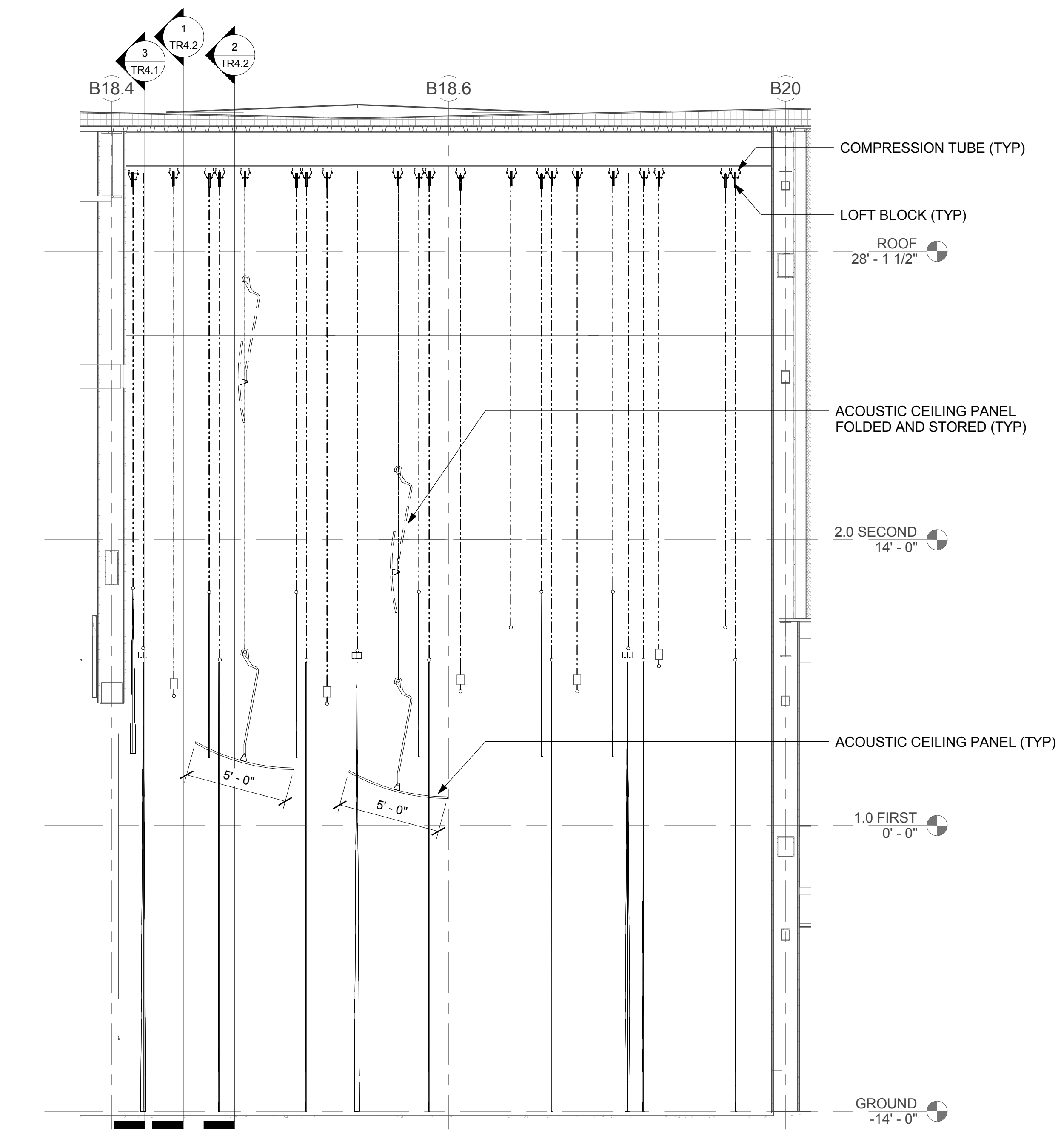
100% CONFORMED SET - FOR CONSTRUCTION
9/12/16



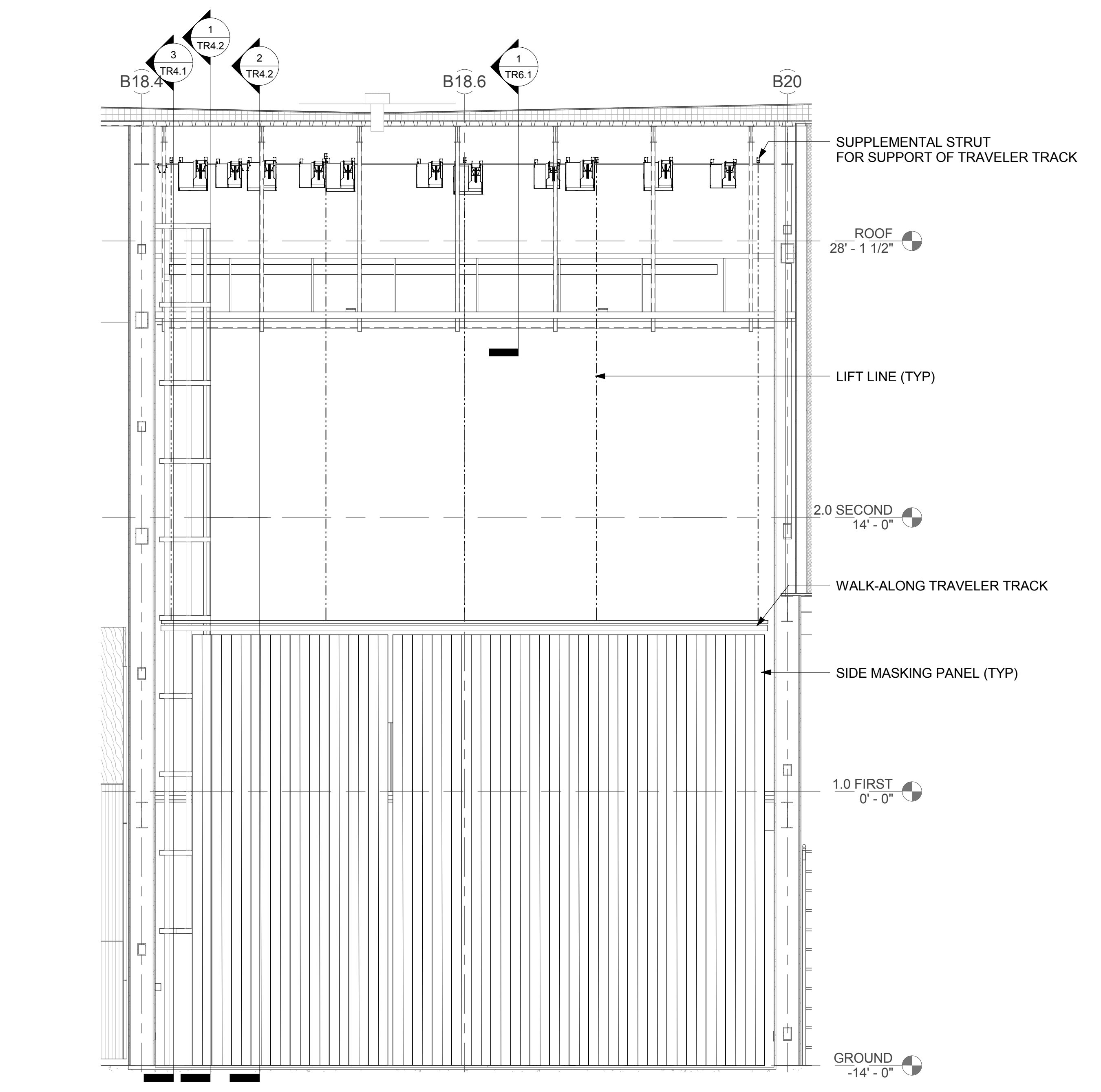
CAVANAUGH TOCCI
3077 BOSTON POST ROAD SUDDERY, MA 01776

HMFH ARCHITECTS
120 Bishop Allen Drive
Dover, NH 03820
603.752.2000
@HMFHArch hmfh.com

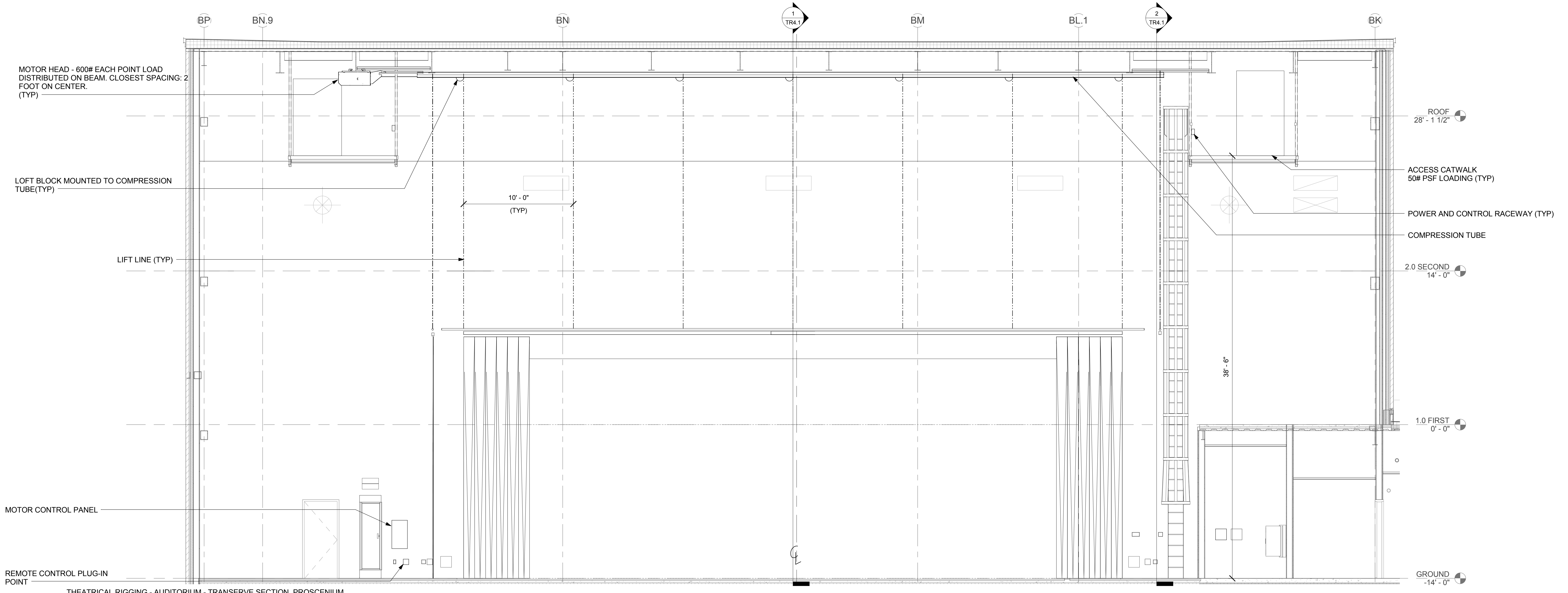
HMFH



1 THEATRICAL RIGGING - AUDITORIUM - CENTERLINE SECTION
1/4" = 1'-0"

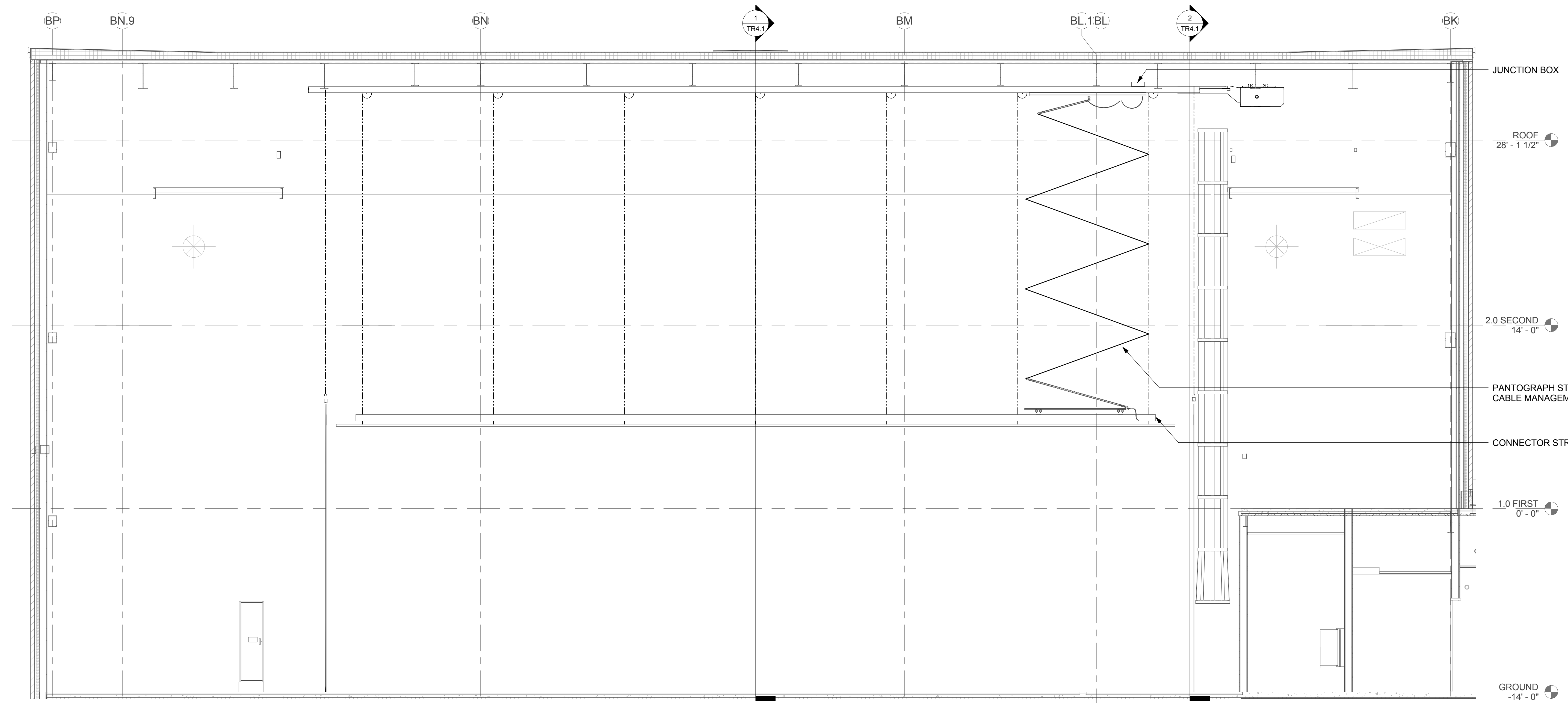


2 THEATRICAL RIGGING - AUDITORIUM - SECTION LOOKING STAGE RIGHT
1/4" = 1'-0"

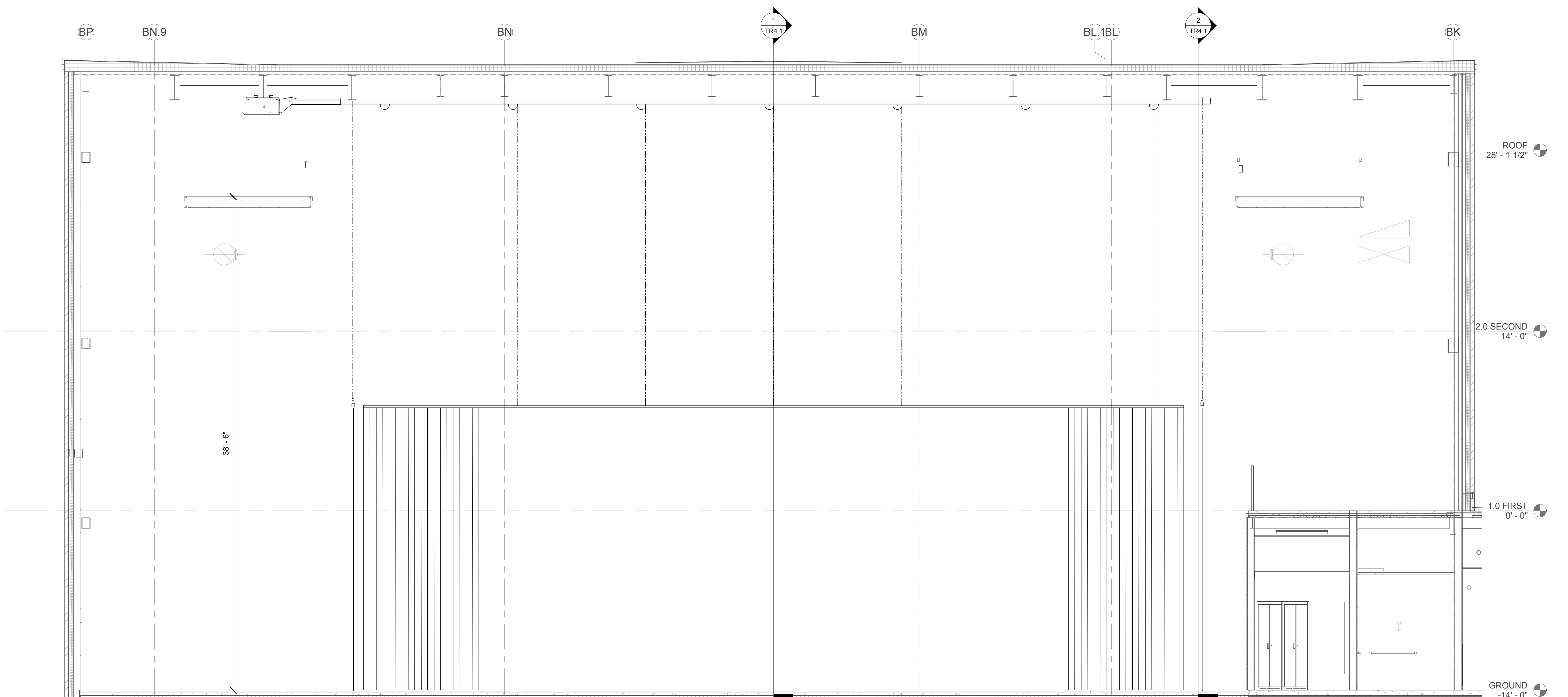


3 THEATRICAL RIGGING - AUDITORIUM - TRANSVERSE SECTION, PROSCENIUM WALL, LOOKING DOWNSTAGE
1/4" = 1'-0"

9/12/16 1:58 PM C:\projects\CAVANAUGH TOCCI\DOVER HS\TR4.1.dwg
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1 THEATRICAL RIGGING - AUDITORIUM - ELECTRIC BATTEN ELEVATION
1/4" = 1'-0"

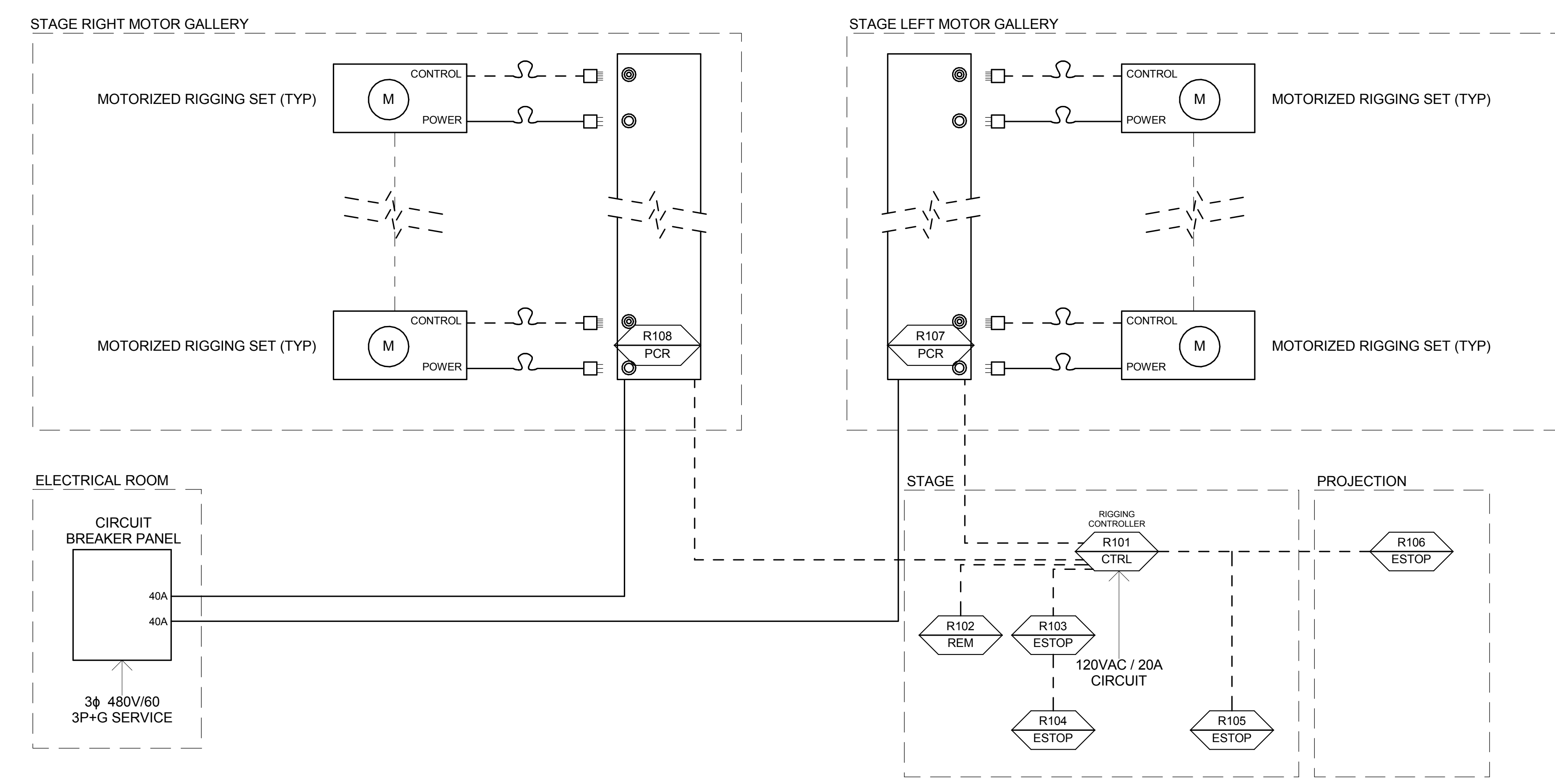


2 THEATRICAL RIGGING - AUDITORIUM - GENERAL PURPOSE BATTEN
1/4" = 1'-0"

LINESSET SCHEDULE

SET NUMBER	DISTANCE FROM PLASTER	USAGE	WEIGHT (DEAD)	CAPACITY (LIVE)	HORSE POWER	PIPE LENGTH	COMMENTS	BASE BID	ALTERNATE
1	0' - 6"	MAIN VALANCE	400.00 lbf	800.00 lbf	1.5	64' - 0"	MOTORIZED, FIXED SPEED	INSTALLED	
2	1' - 0"	MAIN CURTAIN	900.00 lbf	0.00 lbf		64' - 0"	DEAD HUNG	INSTALLED	
3	2' - 6"	ELECTRIC BATTEN #1	1600.00 lbf	1500.00 lbf	2	64' - 0"	MOTORIZED, FIXED SPEED	INSTALLED	
4	4' - 3"	BORDER	500.00 lbf	800.00 lbf	1.5	64' - 0"	MOTORIZED, FIXED SPEED	DEAD HUNG	MOTORIZED
5	4' - 9"	LEG	500.00 lbf	800.00 lbf	1.5	64' - 0"	MOTORIZED, FIXED SPEED	DEAD HUNG	MOTORIZED
6	6' - 0"	ACOUSTIC CEILING PANEL	750.00 lbf	1300.00 lbf	1.5	64' - 0"	MOTORIZED, FIXED SPEED	INSTALLED	
7	8' - 6"	BORDER	500.00 lbf	800.00 lbf	1.5	64' - 0"	MOTORIZED, FIXED SPEED	DEAD HUNG	MOTORIZED
8	9' - 0"	LEG	500.00 lbf	800.00 lbf	1.5	64' - 0"	MOTORIZED, FIXED SPEED	DEAD HUNG	MOTORIZED
9	10' - 0"	ELECTRIC BATTEN #2	1600.00 lbf	1500.00 lbf	2	64' - 0"	MOTORIZED, FIXED SPEED	INSTALLED	
10	11' - 6"	MID-STAGE TRAVELER	800.00 lbf	0.00 lbf		64' - 0"	DEAD HUNG	INSTALLED	
11	13' - 6"	ACOUSTIC CEILING PANEL	750.00 lbf	1300.00 lbf	1.5	64' - 0"	MOTORIZED, FIXED SPEED	INSTALLED	
12	14' - 6"	BORDER	500.00 lbf	800.00 lbf	1.5	64' - 0"	MOTORIZED, FIXED SPEED	DEAD HUNG	MOTORIZED
13	15' - 0"	LEG	500.00 lbf	800.00 lbf	1.5	64' - 0"	MOTORIZED, FIXED SPEED	DEAD HUNG	MOTORIZED
14	16' - 6"	ELECTRIC BATTEN #3	1600.00 lbf	1500.00 lbf	2	64' - 0"	MOTORIZED, FIXED SPEED	INSTALLED	
15	19' - 0"	GENERAL PURPOSE	1000.00 lbf	1000.00 lbf	7.5	64' - 0"	MOTORIZED, VARIABLE SPEED	NOT INSTALLED	INSTALLED
16	20' - 6"	BORDER	500.00 lbf	800.00 lbf	1.5	64' - 0"	MOTORIZED, FIXED SPEED	DEAD HUNG	MOTORIZED
17	21' - 0"	LEG	500.00 lbf	800.00 lbf	1.5	64' - 0"	MOTORIZED, FIXED SPEED	DEAD HUNG	MOTORIZED
18	22' - 3"	ELECTRIC BATTEN #4	1600.00 lbf	1500.00 lbf	2	64' - 0"	MOTORIZED, FIXED SPEED	INSTALLED	
19	24' - 0"	BORDER	500.00 lbf	800.00 lbf	1.5	64' - 0"	MOTORIZED, FIXED SPEED	DEAD HUNG	MOTORIZED
20	24' - 9"	UPSTAGE TRAVELER	800.00 lbf	0.00 lbf		64' - 0"	DEAD HUNG	INSTALLED	
21	25' - 6"	SCRIM	500.00 lbf	800.00 lbf	1.5	64' - 0"	MOTORIZED, FIXED SPEED	NOT INSTALLED	INSTALLED
22	26' - 3"	ELECTRIC BATTEN #5	1600.00 lbf	1500.00 lbf	2	64' - 0"	MOTORIZED, FIXED SPEED	INSTALLED	
23	29' - 6"	GENERAL PURPOSE	1000.00 lbf	1000.00 lbf	7.5	64' - 0"	MOTORIZED, VARIABLE SPEED	NOT INSTALLED	INSTALLED
24	30' - 0"	CYCLORAMA	1000.00 lbf	1000.00 lbf	7.5	64' - 0"	MOTORIZED, VARIABLE SPEED	INSTALLED	
0		SIDE MASKING TRAVELER	500.00 lbf	0.00 lbf		31' - 0"	DEAD HUNG - UPSTAGE/DOWNSTAGE	INSTALLED	
0		SIDE MASKING TRAVELER	500.00 lbf	0.00 lbf		31' - 0"	DEAD HUNG - UPSTAGE/DOWNSTAGE	INSTALLED	

NOTE: THEATRICAL RIGGING CONTRACTOR TO PROVIDE CONNECTOR STRIPS, CABLE MANAGEMENT, CABLE AND ALL ACCESSORIES ASSOCIATED WITH ELECTRIC BATTENS. REFERENCE THEATRICAL LIGHTING DRAWINGS AND SPECIFICATIONS FOR CONNECTION STRIP SPECIFICATION.
PROVIDE UNIT PRICING, PER SPECIFICATIONS, FOR ALTERNATES.

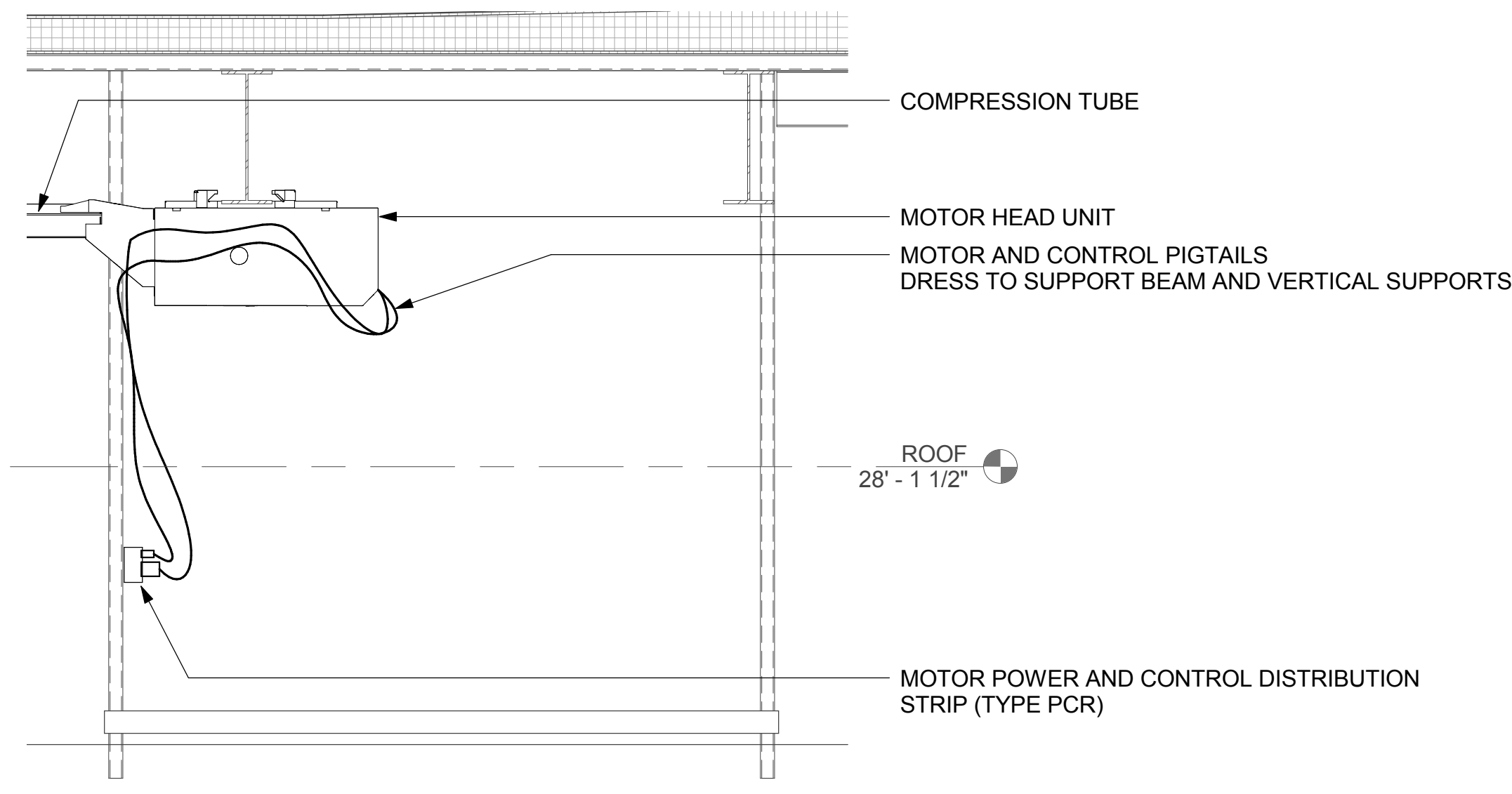


- DEVICE KEY**
- R102 ESTOP: DEVICE NUMBER
 - ESTOP: DEVICE TYPE
- DEVICES**
- RXXX ESTOP: EMERGENCY STOP FLUSH MOUNT AT PROJECT SWITCH HEIGHT
 - RXXX CTRL: MAIN CONTROLLER
 - RXXX REM: REMOTE CONTROL PLUG-IN POINT FLUSH MOUNT AT PROJECT RECEPTACLE HEIGHT
 - RXXX PCR: POWER AND CONTROL RACEWAY FOR HOIST PLUG-IN
 - [Symbol]: DISCONNECT SWITCH
 - M: 480 VAC 3φ MOTOR HORSEPOWER PER SCHEDULE
 - [Symbol]: 4-POSITION ROTARY LIMIT SWITCH
 - [Symbol]: POWER WIRING
 - [Symbol]: CONTROL WIRING
- NOTES**
1. THREADED FASTENERS TO HAVE LOCK-WASHERS OR LOCK-NUTS.
 2. ALL FASTENERS TO BE GRADE 8 OR BETTER.

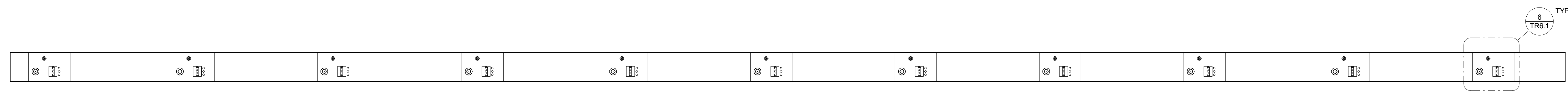
1 THEATRICAL RIGGING RISER DIAGRAM
NTS

THEATRICAL RIGGING DEVICE SCHEDULE

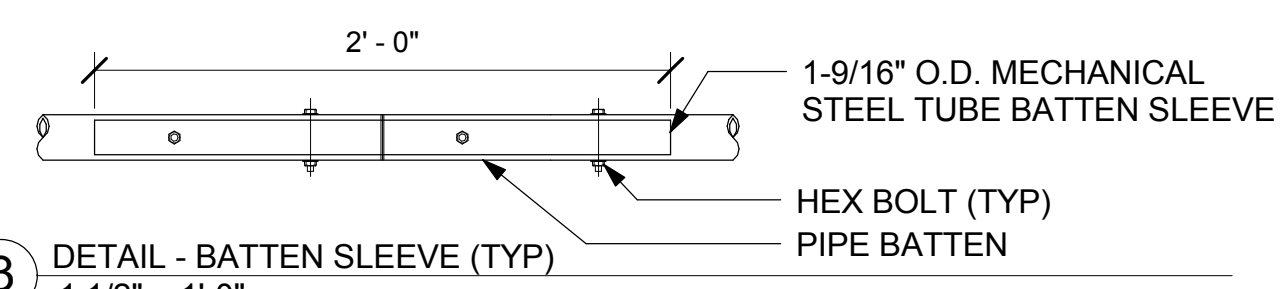
DEVICE ID (R)	DEVICE TYPE	DESCRIPTION	LOCATION	MOUNTING HEIGHT	COMMENTS
101	CTRL	HOIST CONTROLLER	DOWNSTAGE LEFT		
102	REM	REMOTE CONTROL PLUG-IN POINT	DOWNSTAGE LEFT	P.R.H.	
103	ESTOP	EMERGENCY STOP	DOWNSTAGE RIGHT	P.S.H.	
104	ESTOP	EMERGENCY STOP	UPSTAGE LEFT	P.S.H.	
105	ESTOP	EMERGENCY STOP	UPSTAGE RIGHT	P.S.H.	
106	ESTOP	EMERGENCY STOP	PROJECTION ROOM	P.S.H.	
107	PCR	POWER AND CONTROL RACEWAY	STAGE LEFT MOTOR GALLERY		PER DETAIL
108	PCR	POWER AND CONTROL RACEWAY	STAGE RIGHT MOTOR GALLERY		PER DETAIL



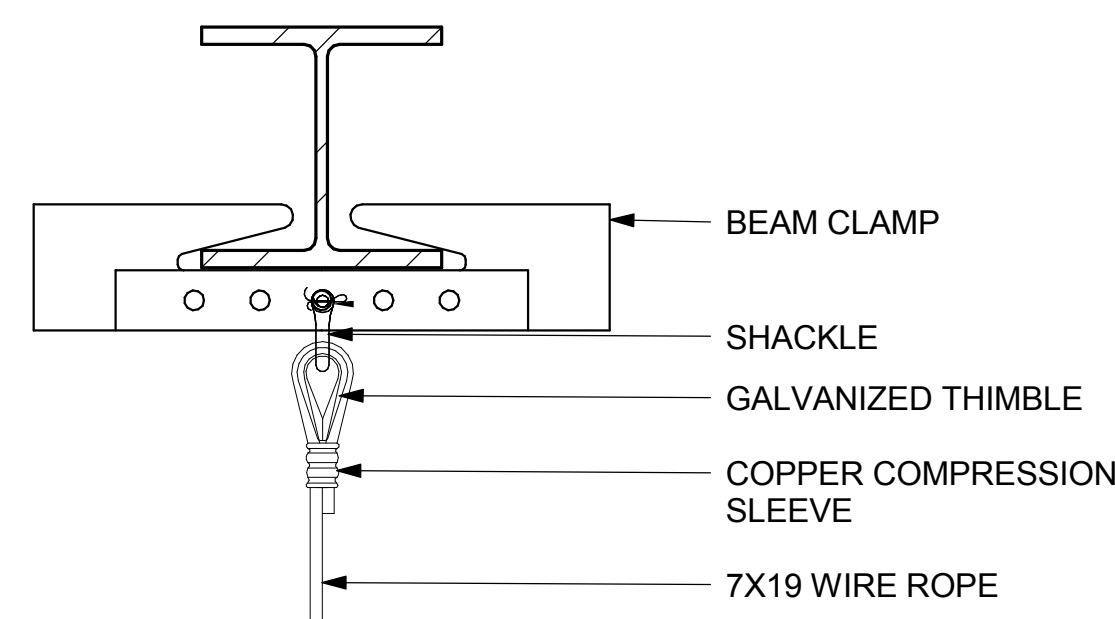
1 MOTOR SERVICE CATWALK DETAIL
1/2" = 1'-0"



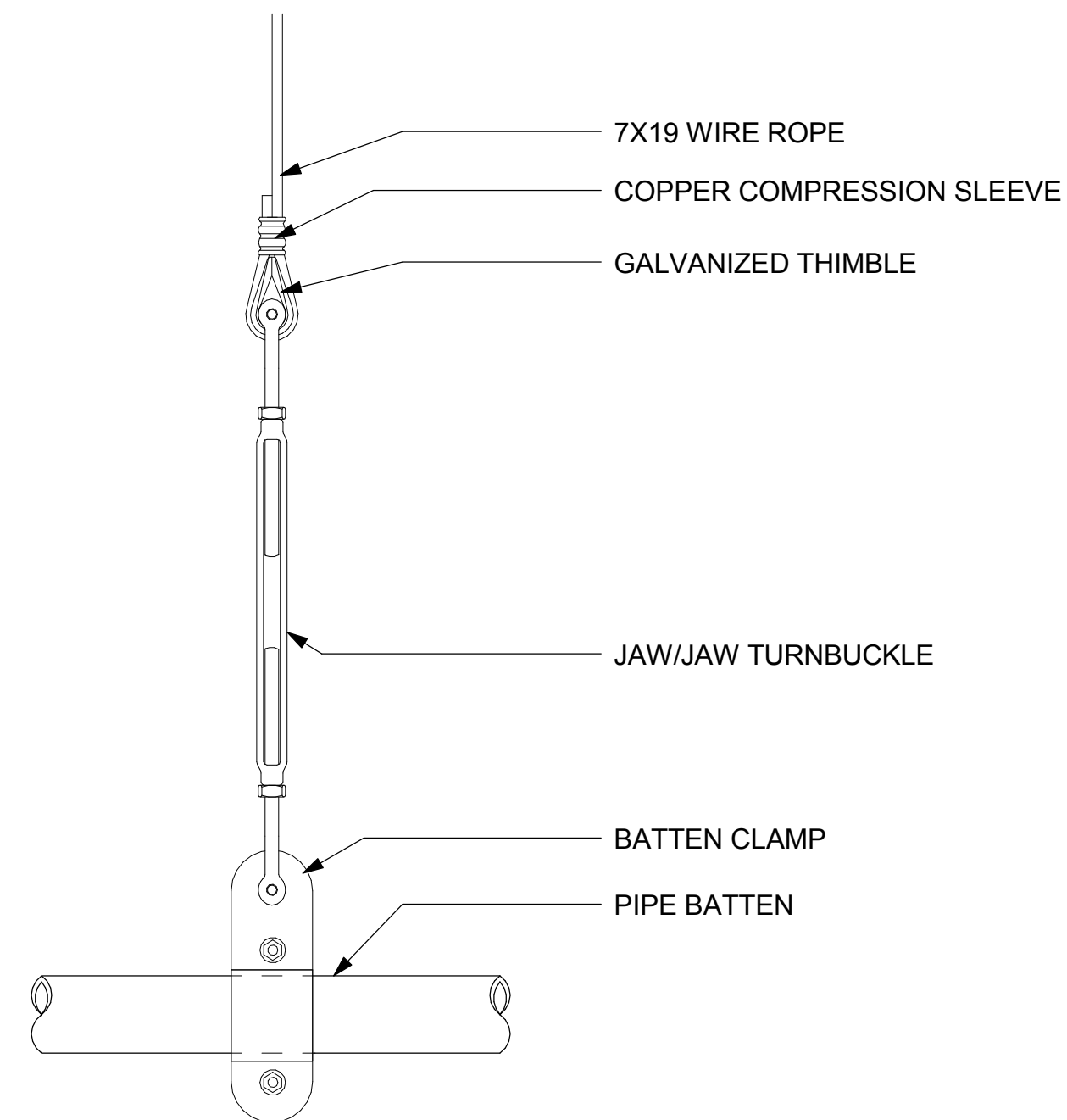
2 DEVICE DETAIL - PCR - MOTOR POWER AND CONTROL DISTRIBUTION STRIP
1" = 1'-0"



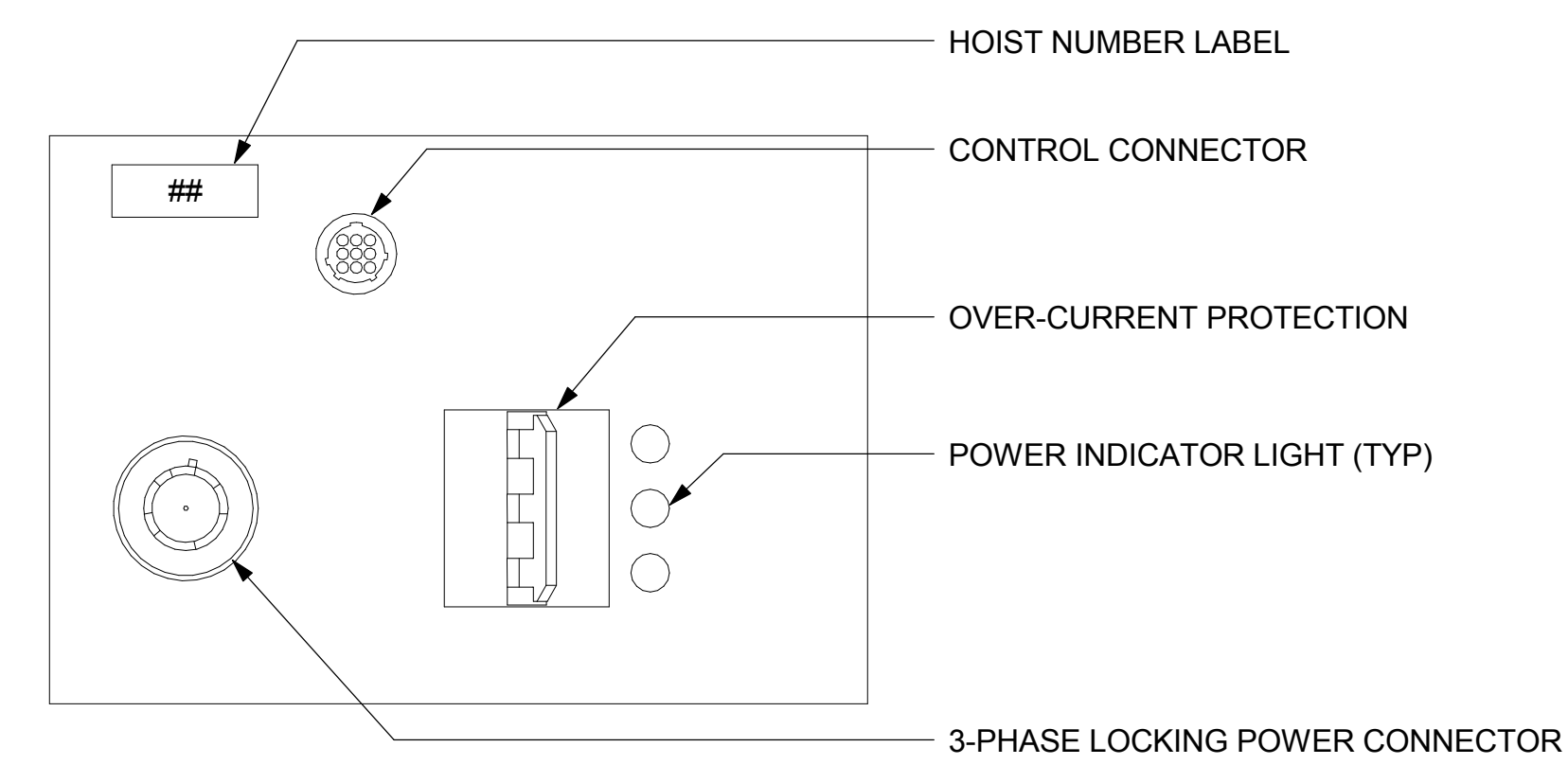
3 DETAIL - BATTEN SLEEVE (TYP)
1 1/2" = 1'-0"



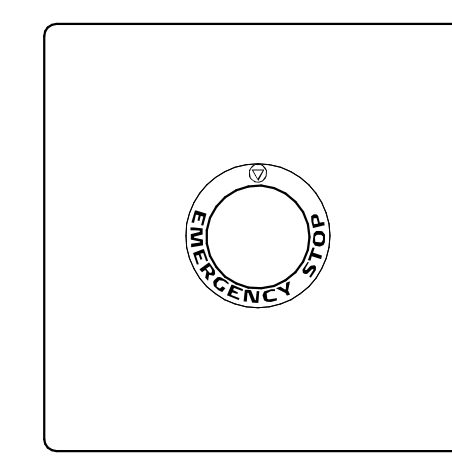
5 DETAIL - DEAD HUNG BATTEN BEAM SUPPORT TERMINATION
3" = 1'-0"



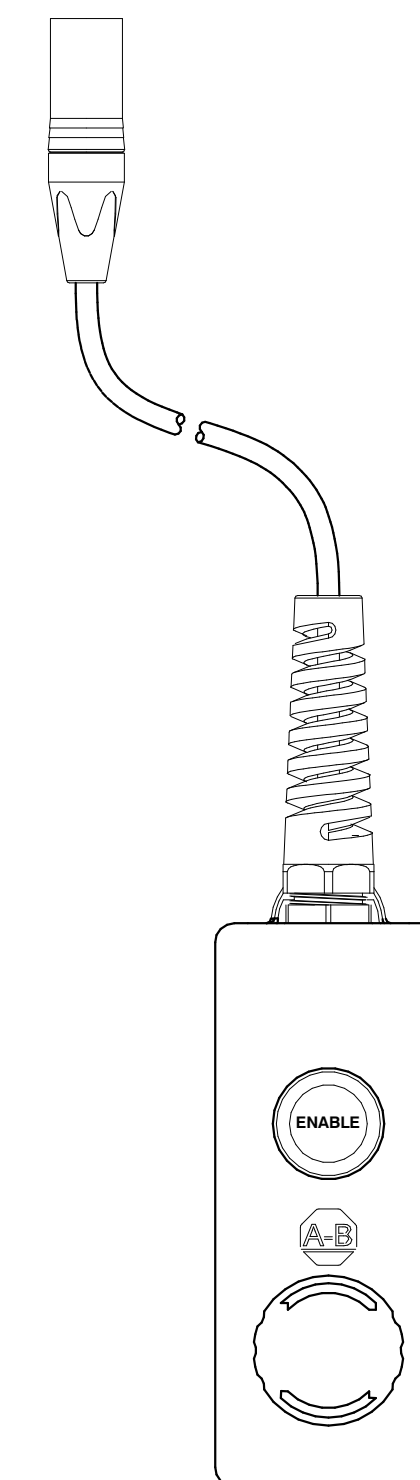
4 DETAIL - BATTEN TERMINATION (TYP)
3" = 1'-0"



6 DETAIL - MOTOR CONNECTION POINT (TYP ONE PER MOTOR)
6" = 1'-0"



7 DEVICE DETAIL - ESTOP
6" = 1'-0"



8 DEVICE DETAIL - REMOTE PENDANT
6" = 1'-0"