616.796.0200

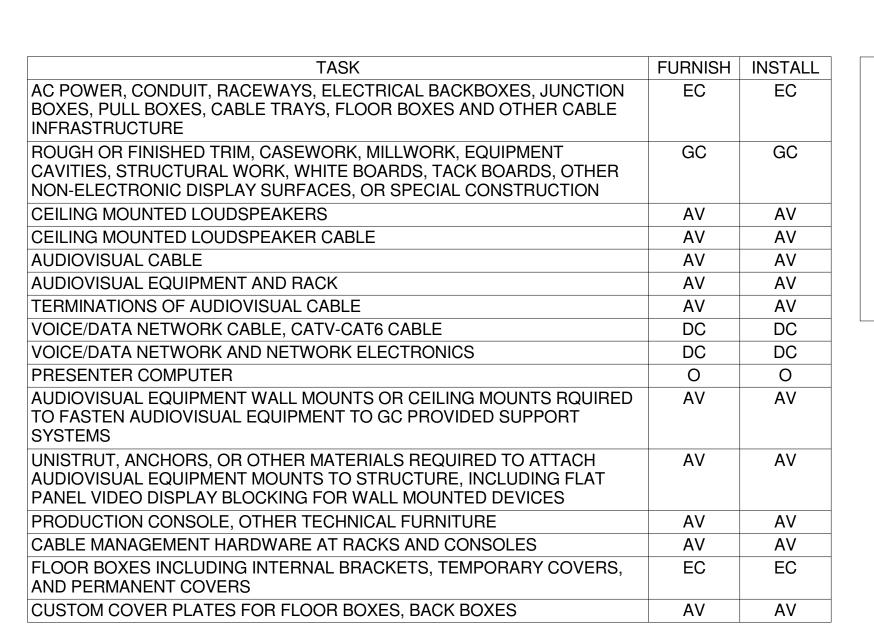
www.gmb.com

ISSUANCES

10-9-24

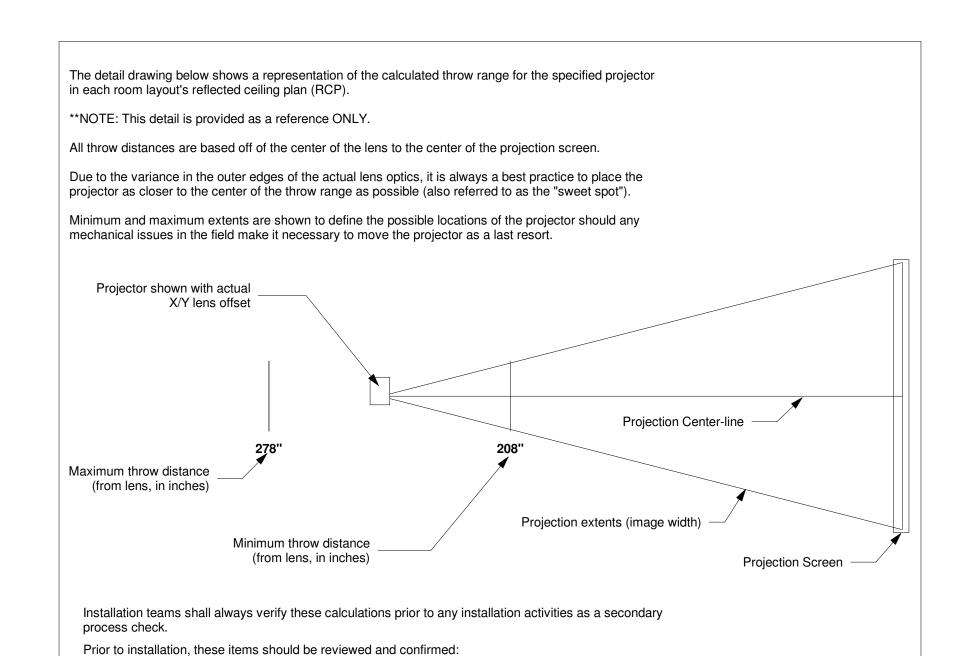
AV SYMBOLS, NOTES, DIVISION OF LABOR

TA001



GENERAL DIVISION OF RESPONSIBILITIES

- AV AUDIO VIDEO CONTRACTOR GC - GENERAL CONTRACTOR DC - DATA COMMUNICATIONS CONTRACTOR
- EC ELECTRICAL CONTRACTOR
- FC FURNITURE CONTRACTOR O - OWNER

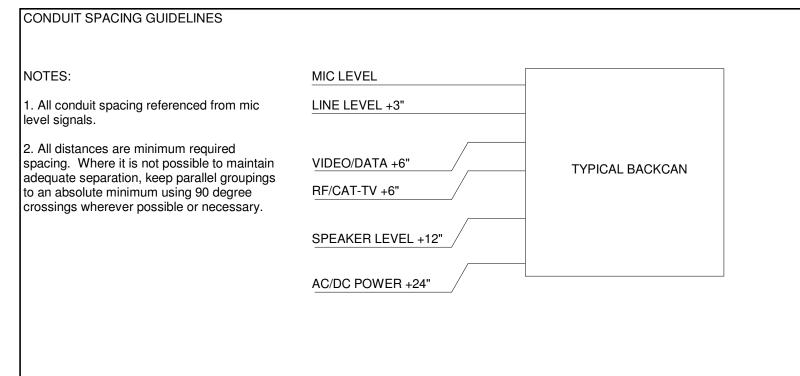


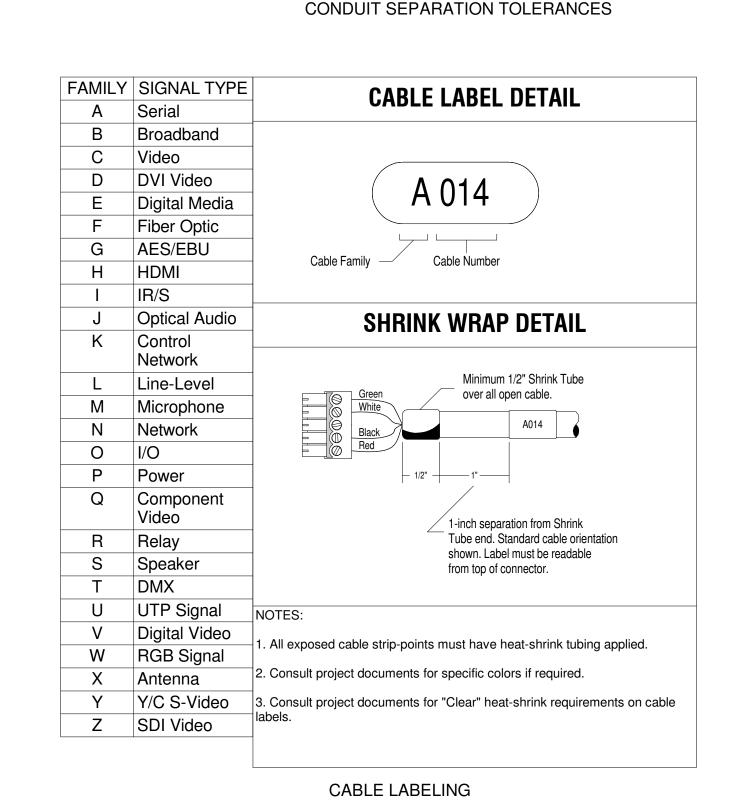
PROJECTOR THROW RANGE DETAIL (RCP ONLY)

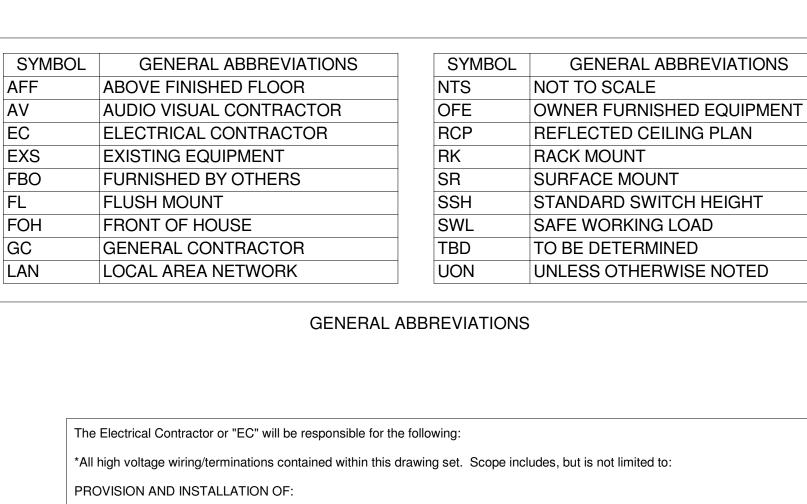
1. The projected light path is clear from interference, and/or any obstructions.

or items that will hinder the placement of the projector.

2. The area for the projector to be installed, physically, is clear of any mechanical obstructions,

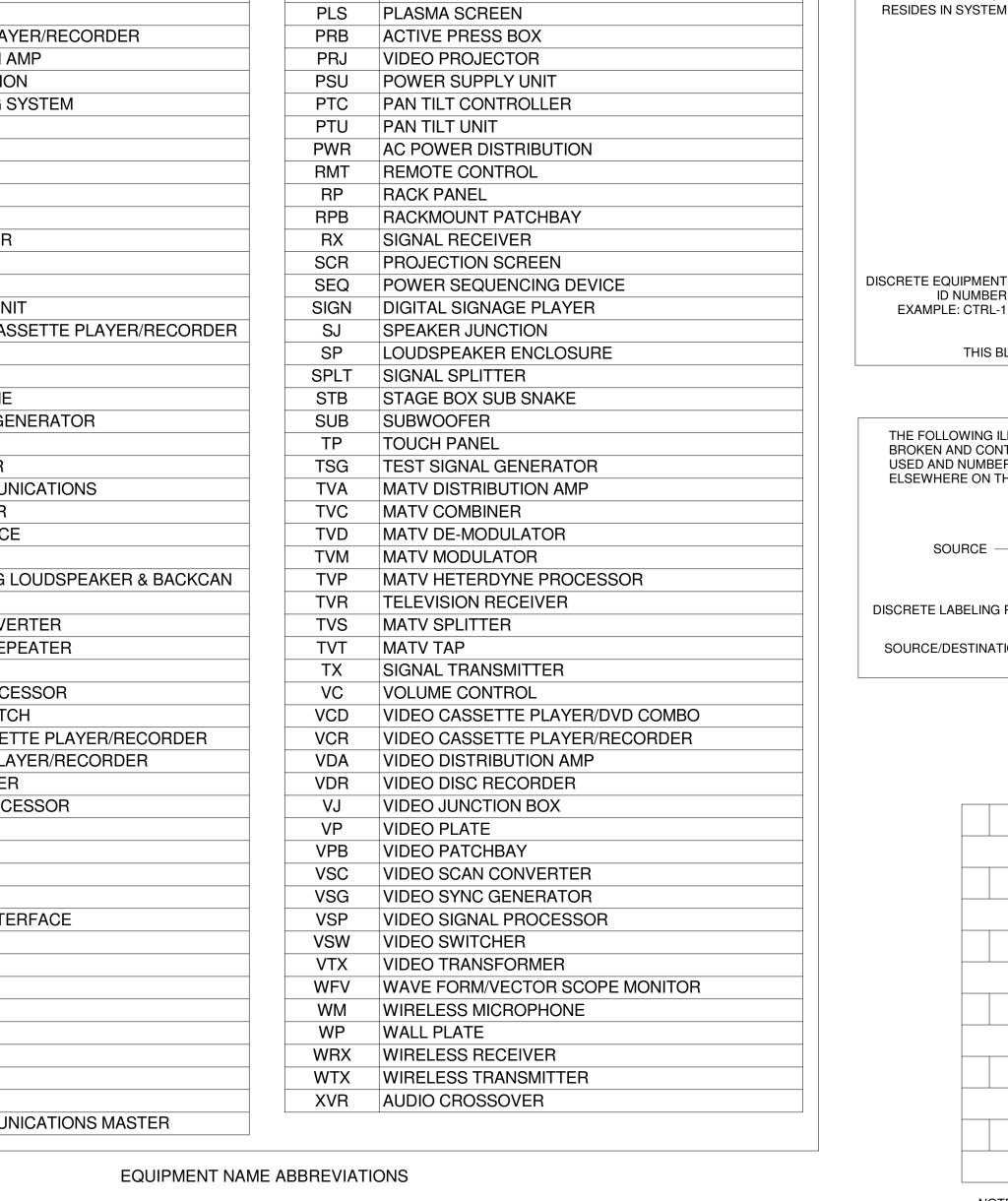


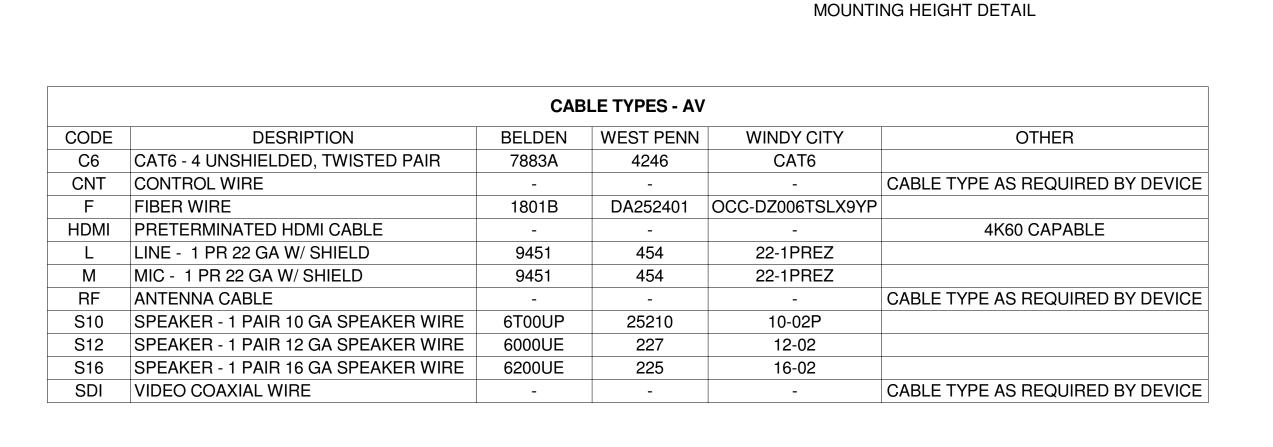












WHERE DEVICE

ID NUMBER

ELSEWHERE ON THE SHEET.

DISCRETE LABELING PER INSTANCE

SOURCE/DESTINATION SHEET

EXAMPLE: CTRL-1

LOCATION A

MANUFACTURER

MODEL NUMBER

EQUIPMENT ID NO.

THIS BLOCK TYPICAL FOR ALL DIAGRAMS AND DRAWINGS

SCHEMATIC DEVICE KEY

THE FOLLOWING ILLUSTRATION SHOWN IS USED WHEN A CONNECTION NEEDS TO BE

CABLE CONNECTION FLAGS

NOTE: ALL MOUNTING HEIGHTS FOR AVL BOXES

IN THIS PROJECT MEASURED TO CENTER OF BOX

USED AND NUMBERED (LABELED) TO SHOW THE CONNECTION IS CONTINUED

BROKEN AND CONTINUED WITHIN A DRAWINGS SHEET. AN INTRA/SHEET FLAG WILL BE

LOCATION B

RESIDES IN SYSTEM

WHERE DEVICE

NET RJ452-M - N001 - //

RESIDES IN LOCATION A

TYPICAL CONNECTION

DESTINATION

TOUCHPANEL

WALL PLATE

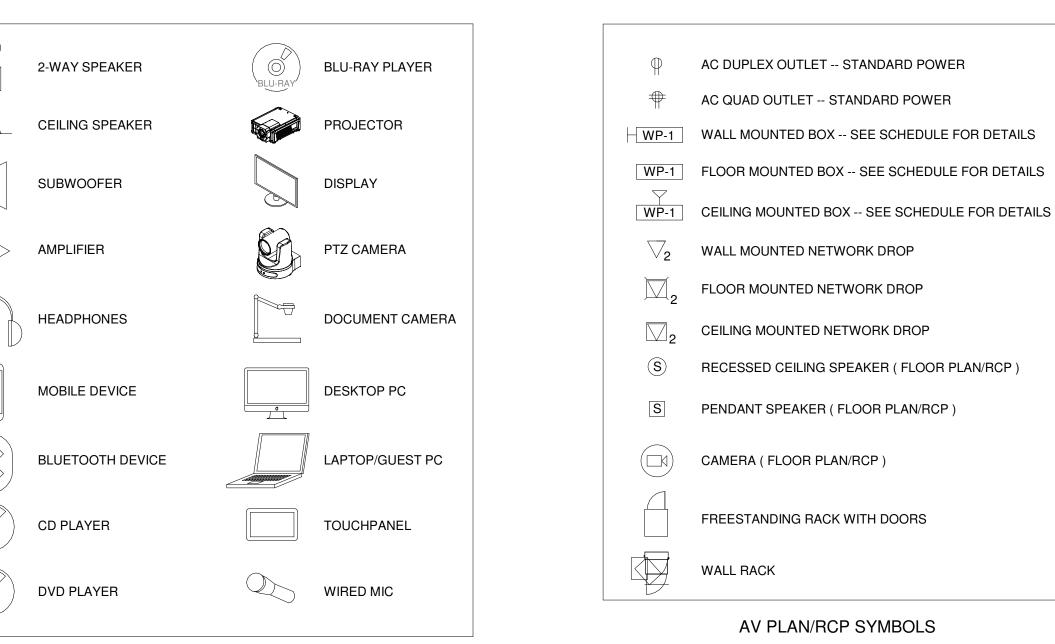
VOLUME CONTROL

WITH CONNECTION

TYPE SHOWN

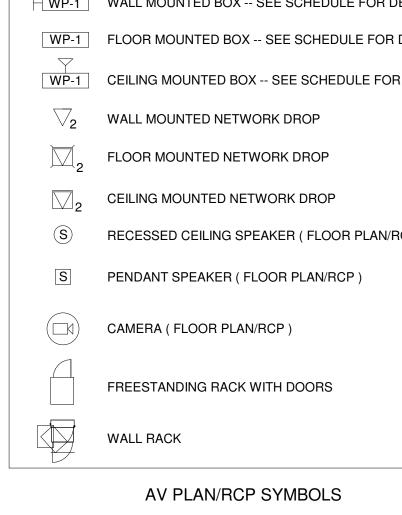
CONDUIT GENERAL NOTES FOR ELECTRICAL CONTRACTOR	SYMBOL	CONDUIT SIZE	SYMBOL	CONDUIT TYPES
	1	3/4"	EMT	ELECTRICAL
- EC to provide and install all conduit, backboxes, gutter boxes, terminal cans, raceways,	2	1"		METALLIC TUBING
cable trays and access panels unless otherwise noted.	3	1 1/4"	PVC	POLY-VINYL
- EC to install pull lines in all conduits.	4	1 1/2"		CHLORIDE
- EC shall not substitute conduit type without written permission from the consultant.	5	2"	RGD	GALVANIZED RIGID
- Conduit runs are drawn for illustration only. Actual conduit paths & interim boxes to be	6	3"	FLV	
determined by the EC.	7	4"	FLX	FLEXIBLE METALLIC TUBING
- EC may increase the size of junction boxes, gutters & conduit as needed in the event	8	6"	PLS	FLEXIBLE PLASTIC
that a conflict exists.	9	8"	I LO	TUBING
- EC to provide and install all high voltage (120V - 240V) cable and fixtures unless	10	12"	WMT	WIRE MOLD TRACK
otherwise notes.	11	6" CABLE	IMC	INTERMEDIATE
- Install applicable size pull boxes after 270 deg. of bend or if conduit run is more than 100'.		TRAY		METAL CONDUIT
- Label all conduit for destinations such as box numbers and/or room locations.	12	12" CABLE TRAY	EXST	EXISTING CONDUIT
- Deburr all rough edges to prevent cable abrasion.	13	NO CONDUIT		
- Ensure all conduits are free from debris & water.			_	
- Ensure all in ground pull boxes and vaults are weather proof & free of debris & water.				
	1			

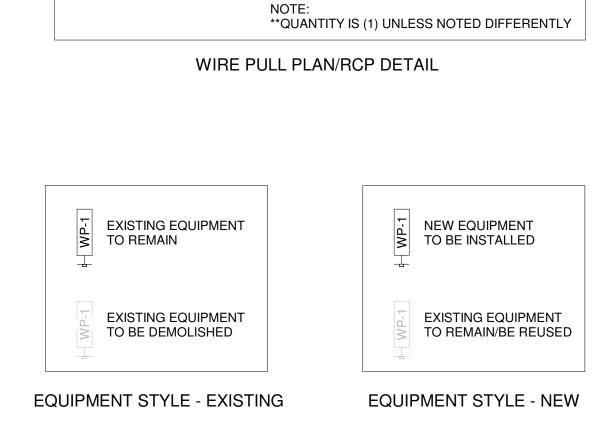
CONDUIT NOTES & COORDINATION



- Ensure conduit is electrically isolated from all equipment racks & enclosures.

AV SCHEMATIC SYMBOLS





BOX DESIGNATION

CONDUIT BY E.C.

DESTINATION BOX

- QTY OF CONDUIT**

- CONDUIT SIZE

CONDUIT TYPE

WIRE TYPE

QUANTITY OF WIRE

	SHEET LIST - TA SERIES
NUMBER	NAME
TA001	AV SYMBOLS, NOTES, DIVISION OF LABOR
TA101B	AV DEMO PLAN - LOWER LEVEL - UNIT B
TA101C	AV DEMO PLAN - LOWER LEVEL - UNIT C
TA102G	AV DEMO PLAN - FIRST FLOOR - UNIT G
TA102J	AV DEMO PLAN - FIRST FLOOR - UNIT J, UNIT K
TA111C	AV DEMO RCP - LOWER LEVEL - UNIT C
TA112B	AV DEMO RCP - FIRST FLOOR - UNIT B
TA112G	AV DEMO RCP - FIRST FLOOR - UNIT G
TA112H	AV DEMO RCP - FIRST FLOOR - UNIT H
TA112J	AV DEMO RCP - FIRST FLOOR - UNIT J, UNIT K
TA201B	AV PLAN - LOWER LEVEL - UNIT B
TA201C	AV PLAN - LOWER LEVEL - UNIT C
TA202G	AV PLAN - FIRST FLOOR - UNIT G
TA202H	AV PLAN - FIRST FLOOR - UNIT H
TA202J	AV PLAN - FIRST FLOOR - UNIT J, UNIT K
TA211C	AV RCP - LOWER LEVEL - UNIT C
TA212B	AV RCP - FIRST FLOOR - UNIT B
TA212G	AV RCP - FIRST FLOOR - UNIT G
TA212H	AV RCP - FIRST FLOOR - UNIT H
TA212J	AV RCP - FIRST FLOOR - UNIT J, UNIT K
TA301	AV SECTIONS, ELEVATIONS
TA302	AV SECTIONS, ELEVATIONS CONT.
TA303	AV SECTIONS, ELEVATIONS CONT.
TA401	AV RACKS, PLATES, DETAILS
TA402	AV DETAILS CONT.
TA403	AV TOUCHPANEL STORYBOARD - GYMNASIUMS
TA404	AV TOUCHPANEL STORYBOARD - DRAMA C035, MEDIA CENTER H132
TA405	AV TOUCHPANEL STORYBOARD - CAFETERIA J127, J132
TA406	AV DETAILS - LED WALL
TA407	AV DETAILS - LED WALL CONT.
TA701	AV SCHEMATIC - GYMNASIUM B002
TA702	AV SCHEMATICS - DRAMA C034, AUX GYMNASIUM G104
TA703	AV SCHEMATICS - MEDIA CENTER H132
TA704	AV SCHEMATIC - CAFETERIA J127, K132

BOYS LOCKER

ROOM

L009

CORRIDOR

		CAB	LE TYPES - AV		
CODE	DESRIPTION	BELDEN	WEST PENN	WINDY CITY	OTHER
C6	CAT6 - 4 UNSHIELDED, TWISTED PAIR	7883A	4246	CAT6	
CNT	CONTROL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE
F	FIBER WIRE	1801B	DA252401	OCC-DZ006TSLX9YP	
HDMI	PRETERMINATED HDMI CABLE	-	-	-	4K60 CAPABLE
L	LINE - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ	
М	MIC - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ	
RF	ANTENNA CABLE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE
S10	SPEAKER - 1 PAIR 10 GA SPEAKER WIRE	6T00UP	25210	10-02P	
S12	SPEAKER - 1 PAIR 12 GA SPEAKER WIRE	6000UE	227	12-02	
S16	SPEAKER - 1 PAIR 16 GA SPEAKER WIRE	6200UE	225	16-02	
SDI	VIDEO COAXIAL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE

GMB www.gmb.com HAV DESIGN 55 E. Main Ave. Zeeland, MI 49464 616.836.1776

	DEMO NOTES
#	NOTES
1	EXISTING LOUDSPEAKER CLUSTER AT THIS LOCATION TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING
2	EXISTING SURFACE-MOUNTED LOUDSPEAKER TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING
3	EXISTING PENDANT LOUDSPEAKER AT THIS LOCATION TO REMAIN AND BE RE-USED. ASSOCIATED WIRING TO BE TESTED AND REPAIRED AS NEEDED

EXISTING PLATE TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING

EXISTING VIDEO PLATE TO BE REMOVED. TEST EXISTING WIRE AND REPLACE AS NEEDED

EXISTING PROJECTOR TO BE REMAIN ALONG WITH ALL ASSOCIATED WIRING

EXISTING CONTROL PANEL TO BE REMOVE. TEST EXISTING WIRE AND REPLACE AS NEEDED. EXISTING WALL-MOUNTED AV RACK TO BE REMOVED ALONG WITH ALL ASSOCIATED EQUIPMENT AND WIRING

EQUIPMENT IN EXISTING WALL-MOUNTED AV RACK TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING. AV RACK TO

10 EXISTING PROJECTOR AND ASSOCIATED SCREEN TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING

EXISTING PROJECTION SCREEN TO BE REMOVED EXISTING SCOREBOARD TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING 13 EXISTING IT RACK AT THIS LOCATION TO REMAIN AND BE RE-USED IN THE PROJECT

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> > UNIT C UNIT B UNIT A





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ISSUANCES

10-9-24 BIDS

1 AV DEMO PLAN - LOWER LEVEL - UNIT 'B' 1/8" = 1'-0"

AV DEMO PLAN - LOWER LEVEL - UNIT 'C'

		CABI	LE TYPES - AV		
CODE	DESRIPTION	BELDEN	WEST PENN	WINDY CITY	OTHER
C6	CAT6 - 4 UNSHIELDED, TWISTED PAIR	7883A	4246	CAT6	
CNT	CONTROL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE
F	FIBER WIRE	1801B	DA252401	OCC-DZ006TSLX9YP	
HDMI	PRETERMINATED HDMI CABLE	-	-	-	4K60 CAPABLE
L	LINE - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ	
M	MIC - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ	
RF	ANTENNA CABLE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE
S10	SPEAKER - 1 PAIR 10 GA SPEAKER WIRE	6T00UP	25210	10-02P	
S12	SPEAKER - 1 PAIR 12 GA SPEAKER WIRE	6000UE	227	12-02	
S16	SPEAKER - 1 PAIR 16 GA SPEAKER WIRE	6200UE	225	16-02	
SDI	VIDEO COAXIAL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE

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	DEMO NOTES
#	NOTES
1	EXISTING LOUDSPEAKER CLUSTER AT THIS LOCATION TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING
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3	EXISTING PENDANT LOUDSPEAKER AT THIS LOCATION TO REMAIN AND BE RE-USED. ASSOCIATED WIRING TO BE TESTED ANI REPAIRED AS NEEDED
4	EXISTING PROJECTOR TO BE REMAIN ALONG WITH ALL ASSOCIATED WIRING

EXISTING VIDEO PLATE TO BE REMOVED. TEST EXISTING WIRE AND REPLACE AS NEEDED EXISTING CONTROL PANEL TO BE REMOVE. TEST EXISTING WIRE AND REPLACE AS NEEDED. EXISTING WALL-MOUNTED AV RACK TO BE REMOVED ALONG WITH ALL ASSOCIATED EQUIPMENT AND WIRING

EQUIPMENT IN EXISTING WALL-MOUNTED AV RACK TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING. AV RACK TO EXISTING PROJECTOR AND ASSOCIATED SCREEN TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING

EXISTING PROJECTION SCREEN TO BE REMOVED EXISTING SCOREBOARD TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING

13 EXISTING IT RACK AT THIS LOCATION TO REMAIN AND BE RE-USED IN THE PROJECT

EXISTING PLATE TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING

SCHO EDG

10-9-24 BIDS

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UNIT E

UNIT G UNIT F 5

1 AV DEMO PLAN - FIRST FLOOR - UNIT 'G' 1/8" = 1'-0"

		CABI	LE TYPES - AV		
CODE	DESRIPTION	BELDEN	WEST PENN	WINDY CITY	OTHER
C6	CAT6 - 4 UNSHIELDED, TWISTED PAIR	7883A	4246	CAT6	
CNT	CONTROL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE
F	FIBER WIRE	1801B	DA252401	OCC-DZ006TSLX9YP	
HDMI	PRETERMINATED HDMI CABLE	-	-	-	4K60 CAPABLE
L	LINE - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ	
M	MIC - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ	
RF	ANTENNA CABLE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE
S10	SPEAKER - 1 PAIR 10 GA SPEAKER WIRE	6T00UP	25210	10-02P	
S12	SPEAKER - 1 PAIR 12 GA SPEAKER WIRE	6000UE	227	12-02	
S16	SPEAKER - 1 PAIR 16 GA SPEAKER WIRE	6200UE	225	16-02	
SDI	VIDEO COAXIAL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE

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	DEMO NOTES
#	NOTES
1	EXISTING LOUDSPEAKER CLUSTER AT THIS LOCATION TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING
2	EXISTING SURFACE-MOUNTED LOUDSPEAKER TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING
3	EXISTING PENDANT LOUDSPEAKER AT THIS LOCATION TO REMAIN AND BE RE-USED. ASSOCIATED WIRING TO BE TESTED ANI REPAIRED AS NEEDED

6	EXISTING VIDEO PLATE TO BE REMOVED. TEST EXISTING WIRE AND REPLACE AS NEEDED
7	EXISTING CONTROL PANEL TO BE REMOVE. TEST EXISTING WIRE AND REPLACE AS NEEDED.

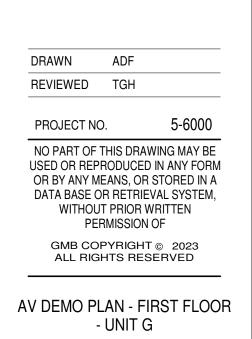
- EXISTING WALL-MOUNTED AV RACK TO BE REMOVED ALONG WITH ALL ASSOCIATED EQUIPMENT AND WIRING
- EQUIPMENT IN EXISTING WALL-MOUNTED AV RACK TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING. AV RACK TO
- 10 EXISTING PROJECTOR AND ASSOCIATED SCREEN TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING EXISTING PROJECTION SCREEN TO BE REMOVED

EXISTING PROJECTOR TO BE REMAIN ALONG WITH ALL ASSOCIATED WIRING EXISTING PLATE TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING

EXISTING SCOREBOARD TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING 13 EXISTING IT RACK AT THIS LOCATION TO REMAIN AND BE RE-USED IN THE PROJECT

> UNIT G UNIT F UNIT E UNIT C UNIT B UNIT A





10-9-24 BIDS

OTHER

CABLE TYPE AS REQUIRED BY DEVICE

4K60 CAPABLE

CABLE TYPE AS REQUIRED BY DEVICE

CABLE TYPE AS REQUIRED BY DEVICE

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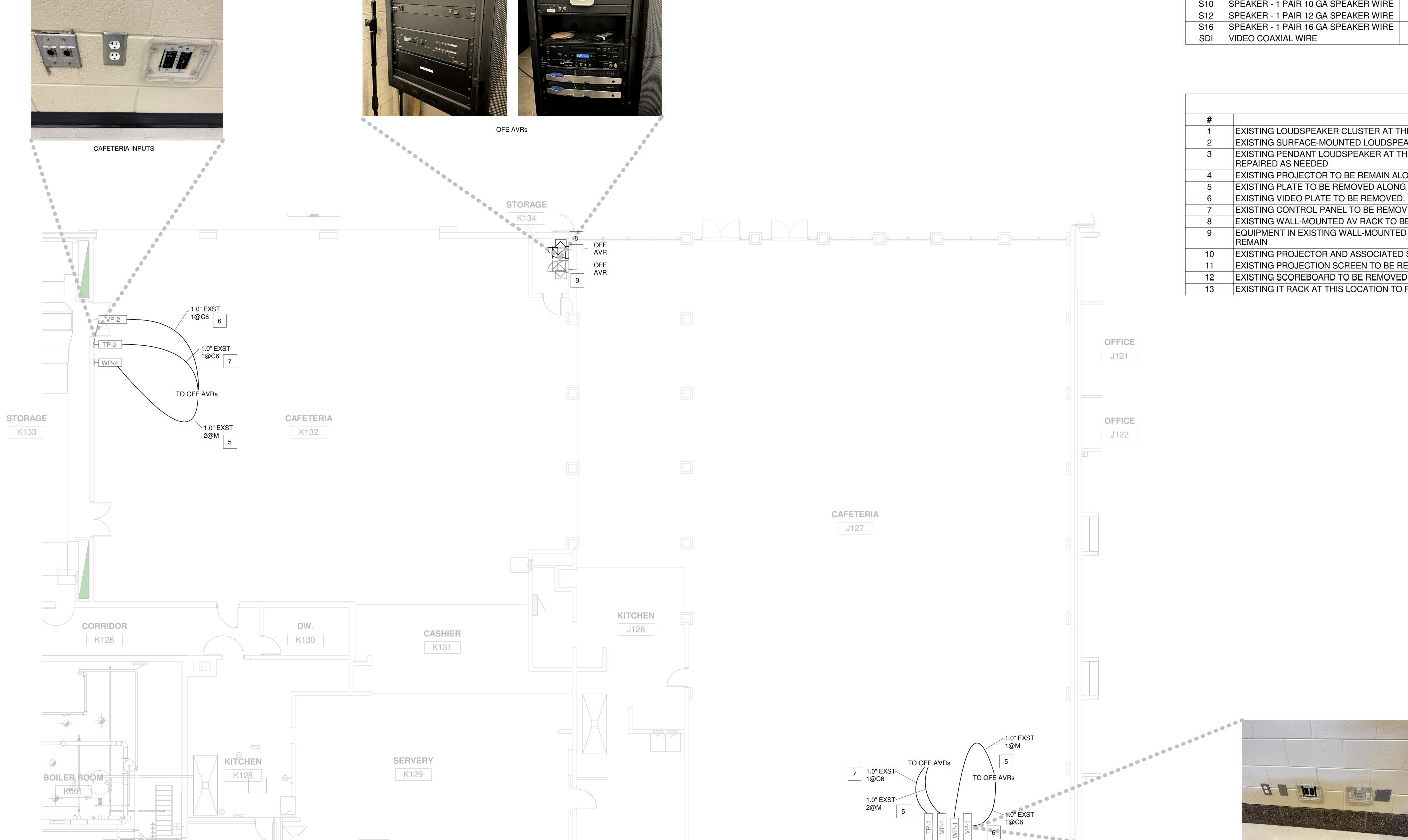
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PERMISSION OF

TA102J



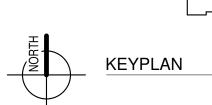
CAFETERIA INPUTS





AV DEMO PLAN - FIRST FLOOR - UNIT 'J', UNIT 'K'

1/8" = 1'-0"



UNIT G UNIT F

UNIT E



CABLE TYPES - AV BELDEN WEST PENN CODE DESRIPTION WINDY CITY OTHER C6 CAT6 - 4 UNSHIELDED, TWISTED PAIR 7883A CAT6 4246 CNT CONTROL WIRE CABLE TYPE AS REQUIRED BY DEVICE F FIBER WIRE DA252401 OCC-DZ006TSLX9YP 1801B HDMI PRETERMINATED HDMI CABLE 4K60 CAPABLE 9451 LINE - 1 PR 22 GA W/ SHIELD 22-1PREZ 22-1PREZ M MIC - 1 PR 22 GA W/ SHIELD 9451 454 RF ANTENNA CABLE CABLE TYPE AS REQUIRED BY DEVICE 10-02P S10 SPEAKER - 1 PAIR 10 GA SPEAKER WIRE 6T00UP 25210 S12 SPEAKER - 1 PAIR 12 GA SPEAKER WIRE 6000UE 227 12-02 S16 SPEAKER - 1 PAIR 16 GA SPEAKER WIRE 225 6200UE 16-02 SDI VIDEO COAXIAL WIRE CABLE TYPE AS REQUIRED BY DEVICE

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SCHO

EDG

	DEMO NOTES
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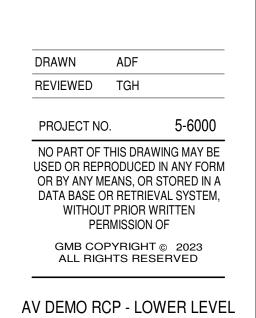
13 EXISTING IT RACK AT THIS LOCATION TO REMAIN AND BE RE-USED IN THE PROJECT

EXISTING PROJECTOR TO BE REMAIN ALONG WITH ALL ASSOCIATED WIRING EXISTING PLATE TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING EXISTING VIDEO PLATE TO BE REMOVED. TEST EXISTING WIRE AND REPLACE AS NEEDED EXISTING CONTROL PANEL TO BE REMOVE. TEST EXISTING WIRE AND REPLACE AS NEEDED. EXISTING WALL-MOUNTED AV RACK TO BE REMOVED ALONG WITH ALL ASSOCIATED EQUIPMENT AND WIRING EQUIPMENT IN EXISTING WALL-MOUNTED AV RACK TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING. AV RACK TO EXISTING PROJECTOR AND ASSOCIATED SCREEN TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING EXISTING PROJECTION SCREEN TO BE REMOVED EXISTING SCOREBOARD TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING

-

UNIT G UNIT F UNIT E





10-9-24 BIDS

- UNIT C



SCHO

DEMO NOTES
NOTES
EXISTING LOUDSPEAKER CLUSTER AT THIS LOCATION TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING
EXISTING SURFACE-MOUNTED LOUDSPEAKER TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING
EXISTING PENDANT LOUDSPEAKER AT THIS LOCATION TO REMAIN AND BE RE-USED. ASSOCIATED WIRING TO BE TESTED AND REPAIRED AS NEEDED

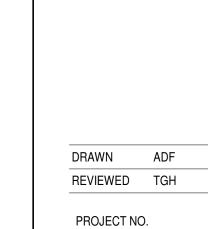
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UNIT G UNIT F 5 UNIT E UNIT C UNIT B UNIT A



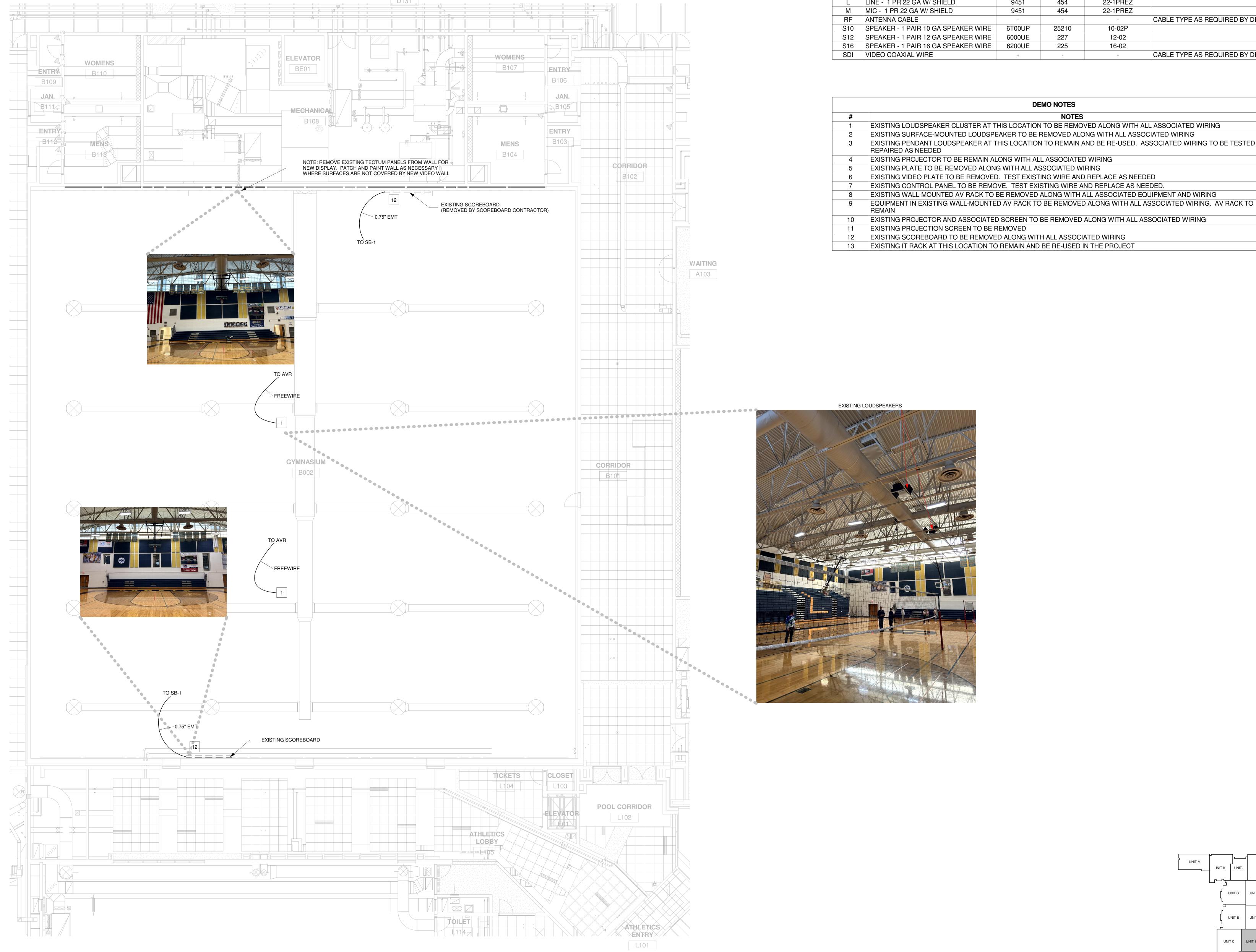
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AV DEMO RCP - FIRST FLOOR - UNIT B

TA112B



CORRIDOR

1 AV DEMO RCP - FIRST FLOOR - UNIT 'B' 1/8" = 1'-0"

1 AV DEMO RCP - FIRST FLOOR - UNIT 'G' 1/8" = 1'-0"

CABLE TYPES - AV CODE DESRIPTION BELDEN WEST PENN WINDY CITY OTHER C6 CAT6 - 4 UNSHIELDED, TWISTED PAIR 7883A CAT6 4246 CABLE TYPE AS REQUIRED BY DEVICE CNT CONTROL WIRE F FIBER WIRE 1801B DA252401 OCC-DZ006TSLX9YP 4K60 CAPABLE HDMI PRETERMINATED HDMI CABLE 9451 L LINE - 1 PR 22 GA W/ SHIELD 22-1PREZ M MIC - 1 PR 22 GA W/ SHIELD 22-1PREZ 9451 454 RF ANTENNA CABLE CABLE TYPE AS REQUIRED BY DEVICE -6T00UP 10-02P S10 SPEAKER - 1 PAIR 10 GA SPEAKER WIRE 25210 S12 SPEAKER - 1 PAIR 12 GA SPEAKER WIRE 12-02 S16 SPEAKER - 1 PAIR 16 GA SPEAKER WIRE 225 6200UE 16-02 SDI VIDEO COAXIAL WIRE CABLE TYPE AS REQUIRED BY DEVICE ---



	DEMO NOTES
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EQUIPMENT IN EXISTING WALL-MOUNTED AV RACK TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING. AV RACK TO

10 EXISTING PROJECTOR AND ASSOCIATED SCREEN TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING

EXISTING PROJECTION SCREEN TO BE REMOVED

EXISTING SCOREBOARD TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING 13 EXISTING IT RACK AT THIS LOCATION TO REMAIN AND BE RE-USED IN THE PROJECT

EXISTING PROJECTOR TO BE REMAIN ALONG WITH ALL ASSOCIATED WIRING

SCHO

DRAWN ADF

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AV DEMO RCP - FIRST FLOOR - UNIT G

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UNIT G UNIT F

UNIT E

EXISTING LOUDSPEAKER

F119

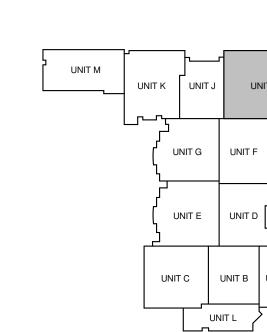
	CABLE TYPES - AV						
CODE	DESRIPTION	BELDEN	WEST PENN	WINDY CITY	OTHER		
C6	CAT6 - 4 UNSHIELDED, TWISTED PAIR	7883A	4246	CAT6			
CNT	CONTROL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE		
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HDMI	PRETERMINATED HDMI CABLE	-	-	-	4K60 CAPABLE		
L	LINE - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ			
М	MIC - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ			
RF	ANTENNA CABLE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE		
S10	SPEAKER - 1 PAIR 10 GA SPEAKER WIRE	6T00UP	25210	10-02P			
S12	SPEAKER - 1 PAIR 12 GA SPEAKER WIRE	6000UE	227	12-02			
S16	SPEAKER - 1 PAIR 16 GA SPEAKER WIRE	6200UE	225	16-02			
SDI	VIDEO COAXIAL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE		

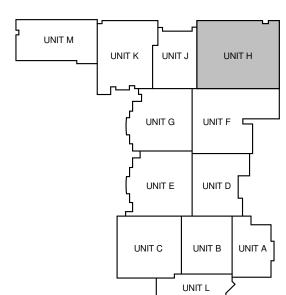


DEMO NOTES

NOTES

- # EXISTING LOUDSPEAKER CLUSTER AT THIS LOCATION TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING
- EXISTING SURFACE-MOUNTED LOUDSPEAKER TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING
- EXISTING PENDANT LOUDSPEAKER AT THIS LOCATION TO REMAIN AND BE RE-USED. ASSOCIATED WIRING TO BE TESTED AND REPAIRED AS NEEDED
- EXISTING PROJECTOR TO BE REMAIN ALONG WITH ALL ASSOCIATED WIRING
- EXISTING PLATE TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING
- EXISTING VIDEO PLATE TO BE REMOVED. TEST EXISTING WIRE AND REPLACE AS NEEDED
- EXISTING CONTROL PANEL TO BE REMOVE. TEST EXISTING WIRE AND REPLACE AS NEEDED. EXISTING WALL-MOUNTED AV RACK TO BE REMOVED ALONG WITH ALL ASSOCIATED EQUIPMENT AND WIRING
- EQUIPMENT IN EXISTING WALL-MOUNTED AV RACK TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING. AV RACK TO
- EXISTING PROJECTOR AND ASSOCIATED SCREEN TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING
- EXISTING PROJECTION SCREEN TO BE REMOVED
- EXISTING SCOREBOARD TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING 13 EXISTING IT RACK AT THIS LOCATION TO REMAIN AND BE RE-USED IN THE PROJECT







TA112H

SCHO

DRAWN ADF REVIEWED TGH

PROJECT NO.

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AV DEMO RCP - FIRST FLOOR - UNIT H

AV DEMO RCP - FIRST FLOOR - UNIT 'J', UNIT 'K'

1/8" = 1'-0"

CABLE TYPES - AV CODE DESRIPTION BELDEN WEST PENN WINDY CITY OTHER C6 CAT6 - 4 UNSHIELDED, TWISTED PAIR 7883A CAT6 CNT CONTROL WIRE CABLE TYPE AS REQUIRED BY DEVICE F FIBER WIRE DA252401 OCC-DZ006TSLX9YP 1801B 4K60 CAPABLE HDMI PRETERMINATED HDMI CABLE L LINE - 1 PR 22 GA W/ SHIELD 9451 22-1PREZ M MIC - 1 PR 22 GA W/ SHIELD 22-1PREZ 9451 454 RF ANTENNA CABLE CABLE TYPE AS REQUIRED BY DEVICE -10-02P S10 SPEAKER - 1 PAIR 10 GA SPEAKER WIRE 6T00UP 25210 S12 SPEAKER - 1 PAIR 12 GA SPEAKER WIRE 12-02 S16 SPEAKER - 1 PAIR 16 GA SPEAKER WIRE 225 16-02 6200UE SDI VIDEO COAXIAL WIRE CABLE TYPE AS REQUIRED BY DEVICE ---



	DEMO NOTES
#	NOTES
1	EXISTING LOUDSPEAKER CLUSTER AT THIS LOCATION TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING
2	EXISTING SURFACE-MOUNTED LOUDSPEAKER TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING
3	EXISTING PENDANT LOUDSPEAKER AT THIS LOCATION TO REMAIN AND BE RE-USED. ASSOCIATED WIRING TO BE TESTED AND REPAIRED AS NEEDED

EXISTING PROJECTOR TO BE REMAIN ALONG WITH ALL ASSOCIATED WIRING EXISTING PLATE TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING

EXISTING VIDEO PLATE TO BE REMOVED. TEST EXISTING WIRE AND REPLACE AS NEEDED EXISTING CONTROL PANEL TO BE REMOVE. TEST EXISTING WIRE AND REPLACE AS NEEDED.

EXISTING WALL-MOUNTED AV RACK TO BE REMOVED ALONG WITH ALL ASSOCIATED EQUIPMENT AND WIRING

EQUIPMENT IN EXISTING WALL-MOUNTED AV RACK TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING. AV RACK TO

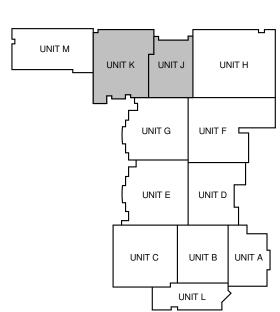
EXISTING PROJECTOR AND ASSOCIATED SCREEN TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING EXISTING PROJECTION SCREEN TO BE REMOVED

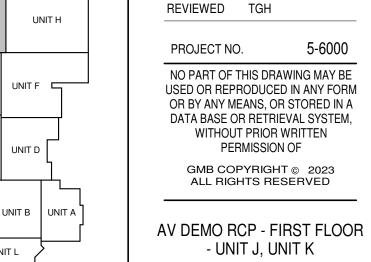
EXISTING SCOREBOARD TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING 13 EXISTING IT RACK AT THIS LOCATION TO REMAIN AND BE RE-USED IN THE PROJECT

SCHO

ISSUANCES 10-9-24 BIDS

DRAWN ADF







TA112J

CABLE TYPES - AV

DA252401

454

25210

227

225

-

WINDY CITY

CAT6

OCC-DZ006TSLX9YP

22-1PREZ

22-1PREZ

10-02P

12-02

16-02

-

ΑV

ΑV

ΑV

ΑV

ΑV

ΑV

ΑV AV

ΑV

ΑV

ΑV

ΑV

 AV

OTHER

CABLE TYPE AS REQUIRED BY DEVICE

4K60 CAPABLE

CABLE TYPE AS REQUIRED BY DEVICE

CABLE TYPE AS REQUIRED BY DEVICE

BELDEN WEST PENN

7883A

1801B

9451

9451

6T00UP

6000UE

6200UE

CODE

CNT CONTROL WIRE

RF ANTENNA CABLE

SDI VIDEO COAXIAL WIRE

FIELD

BOX#

ANT-A

AVR

BT-1

SJ-2

LOCATIONS

2 GANG DEEP

DWR-24-22

2 GANG DEEP

2 GANG DEEP

2 GANG DEEP

4 SQ

1 GANG DEEP

1 GANG DEEP

2 GANG DEEP

2 GANG DEEP

WP-4 2 GANG DEEP 1' - 6" FLUSH

1 GANG DEEP 8' - 0"

F FIBER WIRE

DESRIPTION

C6 CAT6 - 4 UNSHIELDED, TWISTED PAIR

HDMI PRETERMINATED HDMI CABLE

M MIC - 1 PR 22 GA W/ SHIELD

LINE - 1 PR 22 GA W/ SHIELD

S10 SPEAKER - 1 PAIR 10 GA SPEAKER WIRE

S12 SPEAKER - 1 PAIR 12 GA SPEAKER WIRE

S16 SPEAKER - 1 PAIR 16 GA SPEAKER WIRE

	AV LOUDSPEAKER SCHEDULE - GYMNASIUM B002						
LABEL	MAKE	MODEL	PITCH	AZIMUTH			
SP-1	FULCRUM ACOUSTICS	CX1526	-38.00°	0.00°			
SP-2	FULCRUM ACOUSTICS	CX1526	-38.00°	0.00°			
SP-3	FULCRUM ACOUSTICS	CX1526	-38.00°	0.00°			
SP-4	FULCRUM ACOUSTICS	CX1526	-38.00°	0.00°			
SP-5	FULCRUM ACOUSTICS	CX1526	-38.00°	0.00°			
SP-6	FULCRUM ACOUSTICS	CX1526	-38.00°	0.00°			
SP-7	FULCRUM ACOUSTICS	CX1595	-45.00°	0.00°			
SP-8	FULCRUM ACOUSTICS	CX1595	-45.00°	0.00°			
SP-9	FULCRUM ACOUSTICS	CX1595	-45.00°	0.00°			
SP-10	FULCRUM ACOUSTICS	CX1595	-45.00°	0.00°			
SP-11	FULCRUM ACOUSTICS	CX1595	-90.00°	0.00°			
SP-12	FULCRUM ACOUSTICS	CX1595	-90.00°	0.00°			
SP-13	FULCRUM ACOUSTICS	CX1595	-90.00°	0.00°			
SP-14	FULCRUM ACOUSTICS	CX1595	-90.00°	0.00°			
SP-15	QSC	AD-C6T-LP					
SP-16	QSC	AD-C6T-LP					
SP-17	QSC	AD-C6T-LP					
SUB-1	FULCRUM ACOUSTICS	US221-2	0.00°	0.00°			
SUB-2	FULCRUM ACOUSTICS	US221-2	0.00°	0.00°			

FLUSH

FLUSH

SURFACE

SURFACE

FLUSH

FLUSH

FLUSH

FLUSH

FLUSH

20' - 0" SURFACE

20' - 0" SURFACE

20' - 0" SURFACE

20' - 0" SURFACE

20' - 0"

20' - 0"

4' - 6"

0' - 6"

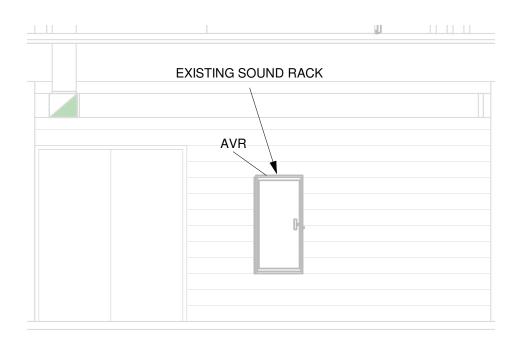
EC

EC

EXST

EXST

EXST



2 AV ELEVATION - STORAGE B010 SOUTH 1/4" = 1'-0"

UNIT M	UNIT K UNIT J	UNIT H
	UNIT E	UNIT F UNIT D
∶ ſ		UNIT B UNIT A





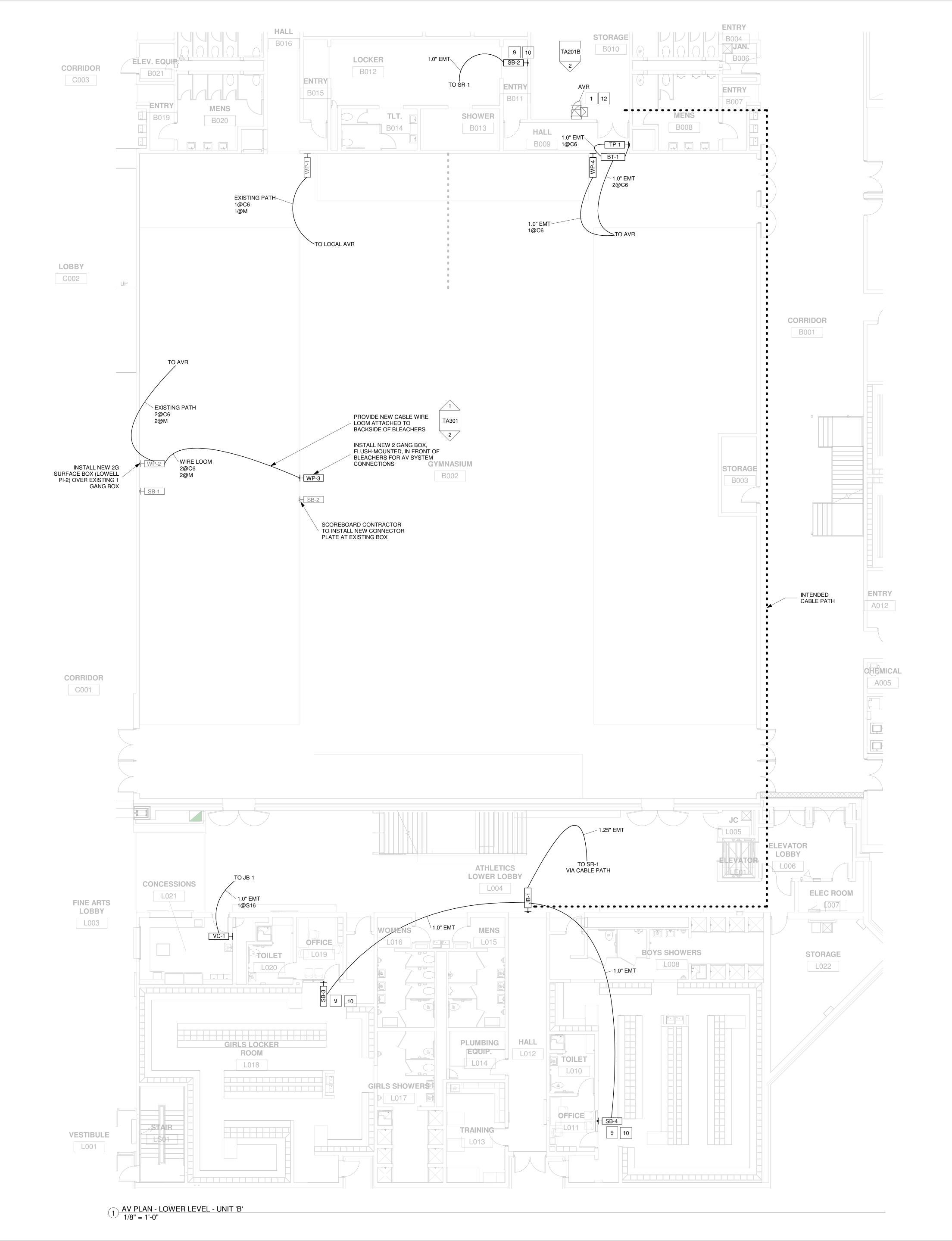
ISSUANCES

DRAWN ADF REVIEWED TGH PROJECT NO.

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AV PLAN - LOWER LEVEL -UNIT B

TA201B



1 AV PLAN - LOWER LEVEL - UNIT 'C' 1/8" = 1'-0"

CABLE TYPES - AV							
CODE	DESRIPTION	BELDEN	WEST PENN	WINDY CITY	OTHER		
C6	CAT6 - 4 UNSHIELDED, TWISTED PAIR	7883A	4246	CAT6			
CNT	CONTROL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE		
F	FIBER WIRE	1801B	DA252401	OCC-DZ006TSLX9YP			
HDMI	PRETERMINATED HDMI CABLE	-	-	-	4K60 CAPABLE		
L	LINE - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ			
М	MIC - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ			
RF	ANTENNA CABLE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE		
S10	SPEAKER - 1 PAIR 10 GA SPEAKER WIRE	6T00UP	25210	10-02P			
S12	SPEAKER - 1 PAIR 12 GA SPEAKER WIRE	6000UE	227	12-02			
S16	SPEAKER - 1 PAIR 16 GA SPEAKER WIRE	6200UE	225	16-02			
SDI	VIDEO COAXIAL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE		



SCHO

LEDG

	GENERAL AV NOTES
#	NOTES
1	CONTRACTOR TO REFURBISH EXISTING RACK AS APPROPRIATE
2	CONTRACTOR TO VERIFY EXACT LOCATION FOR NEW AVR INSTALLATION IN FIELD
3	CONTRACTOR TO RE-USE EXISTING POWER CIRCUITS TO AVR AS APPROPRIATE
4	CONTRACTOR TO INSTALL WIRELESS MIC ANTENNA TO WALL AT THIS LOCATION. SEE TA402 FOR DETAILS
5	NEW PROJECTOR AND SCREEN TO BE INSTALLED TO EXISTING PIPE GRID. VERIFY ALL PROJECTION CALCS IN FIELD AND ADJUST TO NEAREST MOUNTING POINT ON PIPE GRID AS APPROPRIATE
6	CONTRACTOR TO PROVIDE UNISTRUT AND APPROPRIATE RIGGING EQUIPMENT FOR LOUDSPEAKER AT THIS LOCATION
7	AV TO CONNECT NEW AMPLIFIER TO EXISTING LOUDSPEAKER WIRE RUNS AS APPROPRIATE. VERIFY POWER REQUIREMENTS

8 AV TO CONNECT LOW-VOLTAGE MOTOR CONTROL TO DSP AS SHOWN IN ONE-LINE SCHEMATIC
9 INSTALL DAKTRONICS TI-2031 TO WALL AT THIS LOCATION AT AN APPROPRIATE HEIGHT. VERIFY INSTALLATION HEIGHT IN

10 EC TO PROVIDE (1) 20A/120V CIRCUIT AT THIS LOCATION
11 EC TO PROVIDE (4) 20A/120V CIRCUITS FOR LED WALL AT THIS LOCATION. REFER TO LED WALL DOCUMENTATION FOR OUTLET LOCATIONS

12 EC TO PROVIDE (2) 20A/120V CIRCUITS WITHIN AVR AT THIS LOCATION
13 CONTRACTOR TO INSTALL WIRELESS MIC ANTENNA TO BEAM AT THIS LOCATION

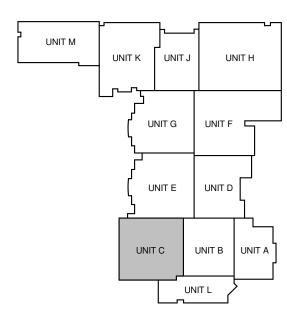
IN-FIELD BEFORE ORDERING AMPLIFIER

AV BOX SCHEDULE - DRAMA C034						
BOX#	TYPE	MOUNTING HEIGHT	MOUNTING TYPE	BOX & COVER PROVIDED BY	CONN. PLATE PROVIDED BY	COMMENTS
BT-1	2 GANG DEEP	3' - 6"	FLUSH	EC	AV	
OFE IT RACK	DWR-16-22		WALL			
TP-1	3 GANG DEEP	4' - 6"	FLUSH	EC	AV	
VJ-1	1 GANG DEEP	10' - 0"	SURFACE	EC	AV	
VJ-1	1 GANG DEEP	10' - 0"	SURFACE	EC	AV	
VP-1	2 GANG DEEP	1' - 6"	FLUSH	EC	AV	

A	- DRAMA C034	
LABEL	MAKE	MODEL
SP-1	QSC	AD-S8T
SP-2	QSC	AD-S8T

AV PROJECTION SCREEN CALCS - DRAMA C034						
LABEL	MAKE	MODEL	ASPECT RATIO	SCREEN HEIGHT	SCREEN WIDTH	
SCR-1	DALITE	93229	16x9	65"	116"	
SCR-2	DALITE	93229	16x9	65"	116"	

AV PROJECTOR CALCS - DRAMA C034							
LABEL MAKE MODEL RATIO HEIGHT WIDTH LENS DISTANCE							
PRJ-1	EPSON	POWERLITE L610U	16x9	65"	116"		15' - 0"
PRJ-2	EPSON	POWERLITE L610U	16x9	65"	116"		15' - 0"





PROJECT NO. 5-6000

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10-9-24 BIDS

TA201C

AV PLAN - LOWER LEVEL -UNIT C 2 AV PLAN - EQUIPMENT PLATFORM - UNIT G 1/4" = 1'-0"

MENS LOCKER

G119

COACH

G123

STAIR

GS02

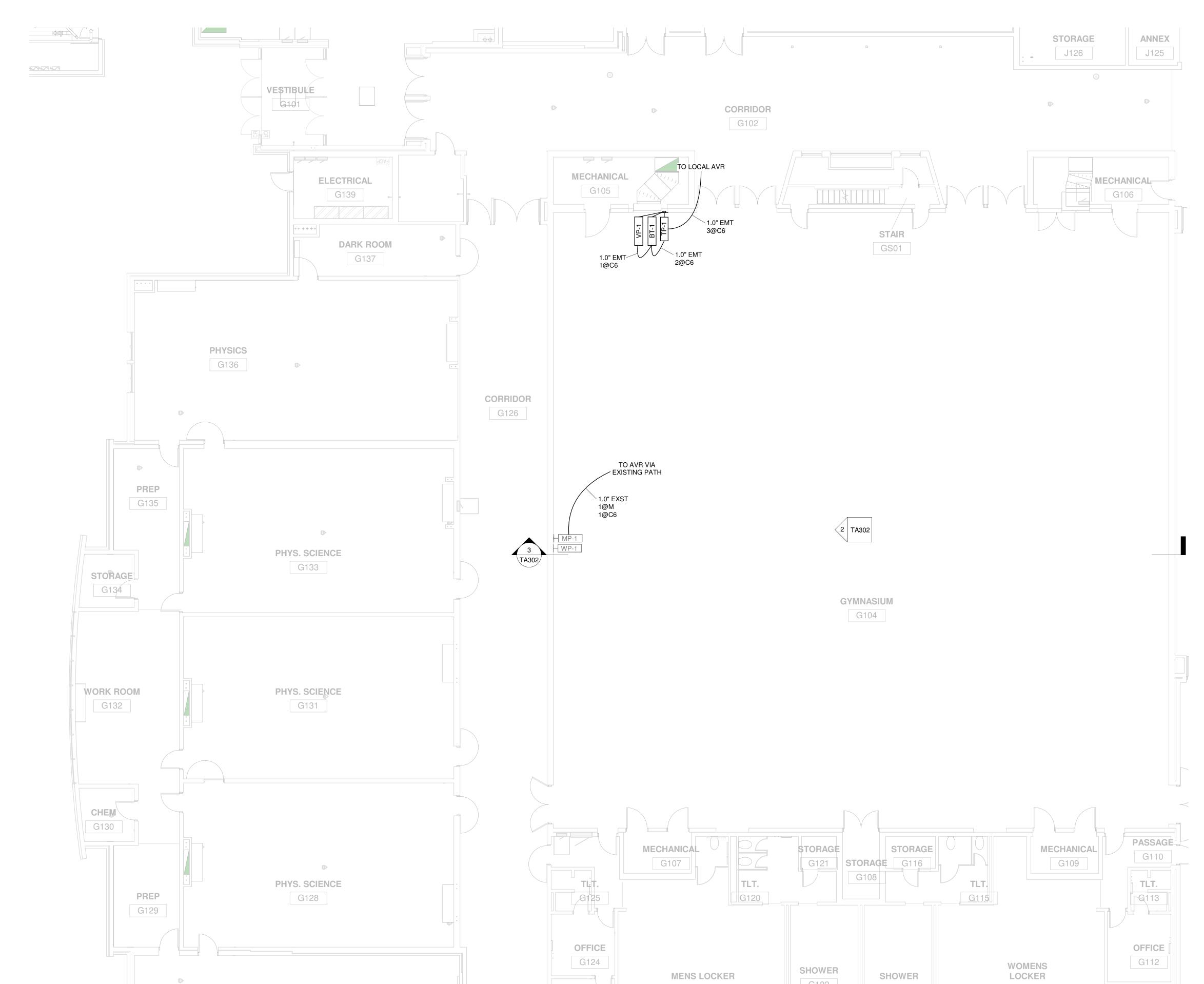
CHEMISTRY

G127

1 AV PLAN - FIRST FLOOR - UNIT 'G' 1/8" = 1'-0"

VESTIBULE

E118



			CABI	LE TYPES - AV		
	CODE	DESRIPTION	BELDEN	WEST PENN	WINDY CITY	OTHER
	C6	CAT6 - 4 UNSHIELDED, TWISTED PAIR	7883A	4246	CAT6	
	CNT	CONTROL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE
	F	FIBER WIRE	1801B	DA252401	OCC-DZ006TSLX9YP	
	HDMI	PRETERMINATED HDMI CABLE	-	-	-	4K60 CAPABLE
	L	LINE - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ	
	М	MIC - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ	
	RF	ANTENNA CABLE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE
	S10	SPEAKER - 1 PAIR 10 GA SPEAKER WIRE	6T00UP	25210	10-02P	
	S12	SPEAKER - 1 PAIR 12 GA SPEAKER WIRE	6000UE	227	12-02	
_	S16	SPEAKER - 1 PAIR 16 GA SPEAKER WIRE	6200UE	225	16-02	
	SDI	VIDEO COAXIAL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE



LEDG

	GENERAL AV NOTES
#	NOTES
1	CONTRACTOR TO REFURBISH EXISTING RACK AS APPROPRIATE
2	CONTRACTOR TO VERIFY EXACT LOCATION FOR NEW AVR INSTALLATION IN FIELD
3	CONTRACTOR TO RE-USE EXISTING POWER CIRCUITS TO AVR AS APPROPRIATE
4	CONTRACTOR TO INSTALL WIRELESS MIC ANTENNA TO WALL AT THIS LOCATION. SEE TA402 FOR DETAILS
5	NEW PROJECTOR AND SCREEN TO BE INSTALLED TO EXISTING PIPE GRID. VERIFY ALL PROJECTION CALCS IN FIELD AND ADJUST TO NEAREST MOUNTING POINT ON PIPE GRID AS APPROPRIATE
6	CONTRACTOR TO PROVIDE UNISTRUT AND APPROPRIATE RIGGING EQUIPMENT FOR LOUDSPEAKER AT THIS LOCATION
7	AV TO CONNECT NEW AMPLIFIER TO EXISTING LOUDSPEAKER WIRE RUNS AS APPROPRIATE. VERIFY POWER REQUIREMENTS IN-FIELD BEFORE ORDERING AMPLIFIER
8	AV TO CONNECT LOW-VOLTAGE MOTOR CONTROL TO DSP AS SHOWN IN ONE-LINE SCHEMATIC
9	INSTALL DAKTRONICS TI-2031 TO WALL AT THIS LOCATION AT AN APPROPRIATE HEIGHT. VERIFY INSTALLATION HEIGHT IN FIELD
10	EC TO PROVIDE (1) 20A/120V CIRCUIT AT THIS LOCATION
11	EC TO PROVIDE (4) 20A/120V CIRCUITS FOR LED WALL AT THIS LOCATION. REFER TO LED WALL DOCUMENTATION FOR OUTLET LOCATIONS

AV BOX SCHEDULE - GYMNASIUM G104						
BOX#	TYPE	MOUNTING HEIGHT	MOUNTING TYPE	BOX & COVER PROVIDED BY	CONN. PLATE PROVIDED BY	COMMENTS
ANT-A	2 GANG DEEP	22' - 0"	FLUSH	EC	AV	
AVR	DWR-16-22		WALL			
BT-1	2 GANG DEEP	3' - 6"	FLUSH	EC	AV	
MP-1	1 GANG DEEP	1' - 6"	FLUSH	EXST	EXST	
SJ-1	4 SQ	23' - 0"	SURFACE	EC	AV	
SJ-2	4 SQ	23' - 0"	SURFACE	EC	AV	
TP-1	3 GANG DEEP	4' - 6"	FLUSH	EC	AV	
VJ-1	4 SQ	23' - 0"	SURFACE	EC	AV	
VP-1	2 GANG DEEP	1' - 6"	FLUSH	EC	AV	
WP-1	8x8x6	1' - 6"	FLUSH	EXST	EXST	

AV LOUDSPEAKER SCHEDULE - GYMNASIUM G104						
LABEL	MAKE	MODEL	PITCH	AZIMUTH		
SP-1	QSC	E115	-45.00°	0.00°		
SP-2	QSC	E115	-45.00°	0.00°		
SP-3	QSC	E115	-45.00°	0.00°		
SP-4	QSC	E115	-90.00°	0.00°		
SP-5	QSC	E115	-90.00°	0.00°		
SP-6	QSC	E115	-90.00°	0.00°		

12 EC TO PROVIDE (2) 20A/120V CIRCUITS WITHIN AVR AT THIS LOCATION

13 CONTRACTOR TO INSTALL WIRELESS MIC ANTENNA TO BEAM AT THIS LOCATION

AV PROJECTION SCREEN CALCS - GYMNASIUM G104						
LABEL	MAKE	MODEL	ASPECT RATIO	SCREEN HEIGHT	SCREEN WIDTH	
SCR-1	DALITE	99291L	16x9	108"	192"	

G112

COACH

G114

WOMENS LOCKER

G111

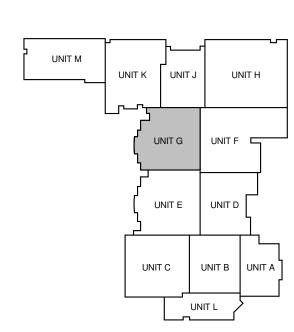
SHOWER

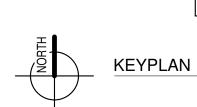
G117

OFFICE

G118

AV PROJECTOR CALCS - GYMNASIUM G104							
LABEL	MAKE	MODEL	ASPECT RATIO	IMAGE HEIGHT	IMAGE WIDTH	LENS	THROW DISTANCE
PRJ-1	EPSON	EB-PU2010B	16x9	108"	192"	ELPLW06	21' - 11"





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ISSUANCES

10-9-24 BIDS

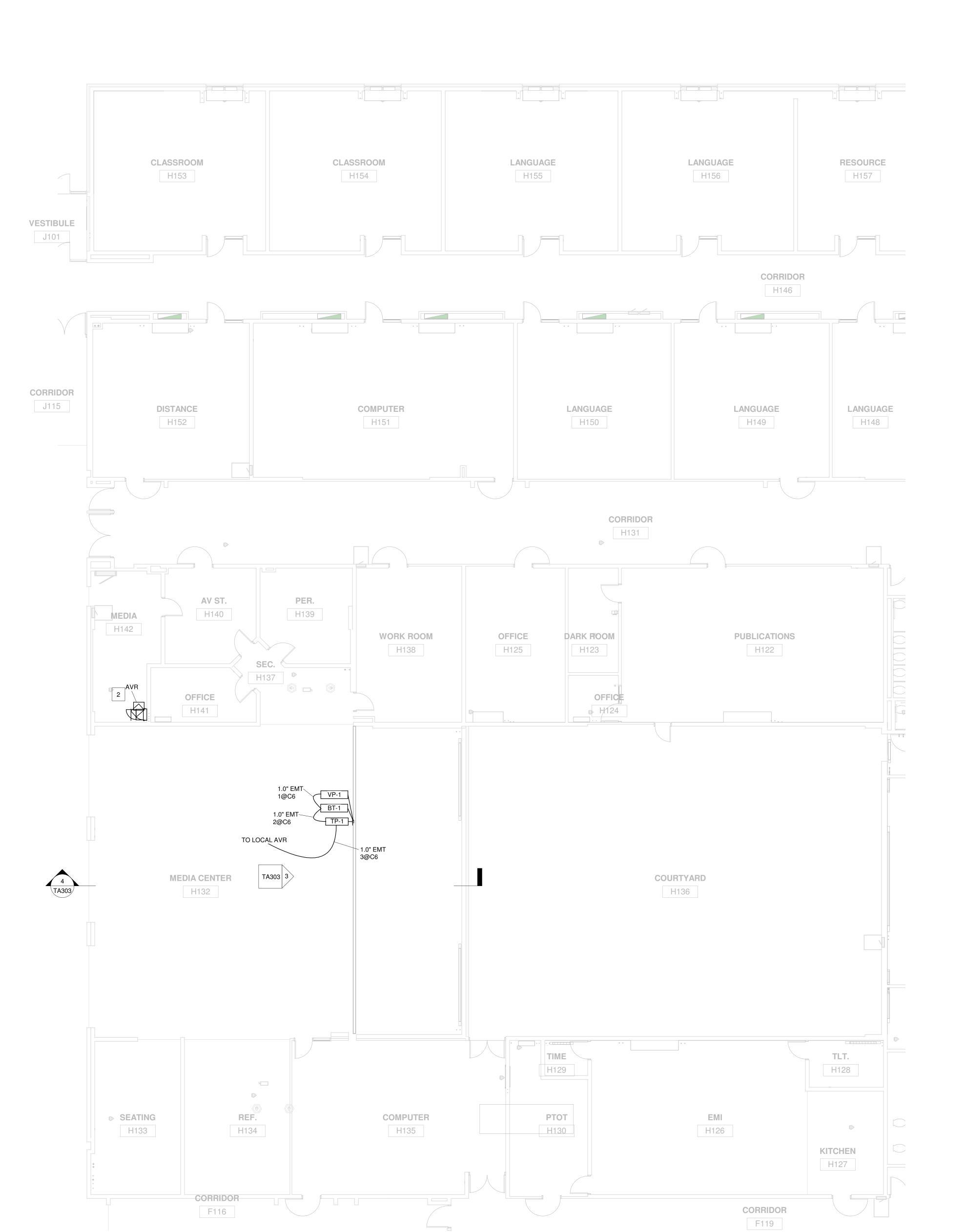
TA202G

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AV PLAN - FIRST FLOOR - UNIT

TA202H



1 AV PLAN - FIRST FLOOR - UNIT 'H' 1/8" = 1'-0"

CODE	DESRIPTION	BELDEN	WEST PENN	WINDY CITY	OTHER
C6	CAT6 - 4 UNSHIELDED, TWISTED PAIR	7883A	4246	CAT6	
CNT	CONTROL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE
F	FIBER WIRE	1801B	DA252401	OCC-DZ006TSLX9YP	
HDMI	PRETERMINATED HDMI CABLE	-	-	-	4K60 CAPABLE
L	LINE - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ	
М	MIC - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ	
RF	ANTENNA CABLE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE
S10	SPEAKER - 1 PAIR 10 GA SPEAKER WIRE	6T00UP	25210	10-02P	
S12	SPEAKER - 1 PAIR 12 GA SPEAKER WIRE	6000UE	227	12-02	
S16	SPEAKER - 1 PAIR 16 GA SPEAKER WIRE	6200UE	225	16-02	
SDI	VIDEO COAXIAL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE

	GENERAL AV NOTES
#	NOTES
1	CONTRACTOR TO REFURBISH EXISTING RACK AS APPROPRIATE
2	CONTRACTOR TO VERIFY EXACT LOCATION FOR NEW AVR INSTALLATION IN FIELD
3	CONTRACTOR TO RE-USE EXISTING POWER CIRCUITS TO AVR AS APPROPRIATE
4	CONTRACTOR TO INSTALL WIRELESS MIC ANTENNA TO WALL AT THIS LOCATION. SEE TA402 FOR DETAILS
5	NEW PROJECTOR AND SCREEN TO BE INSTALLED TO EXISTING PIPE GRID. VERIFY ALL PROJECTION CALCS IN FIELD AND ADJUST TO NEAREST MOUNTING POINT ON PIPE GRID AS APPROPRIATE
6	CONTRACTOR TO PROVIDE UNISTRUT AND APPROPRIATE RIGGING EQUIPMENT FOR LOUDSPEAKER AT THIS LOCATION
7	AV TO CONNECT NEW AMPLIFIER TO EXISTING LOUDSPEAKER WIRE RUNS AS APPROPRIATE. VERIFY POWER REQUIREMENTS IN-FIELD BEFORE ORDERING AMPLIFIER
8	AV TO CONNECT LOW-VOLTAGE MOTOR CONTROL TO DSP AS SHOWN IN ONE-LINE SCHEMATIC
9	INSTALL DAKTRONICS TI-2031 TO WALL AT THIS LOCATION AT AN APPROPRIATE HEIGHT. VERIFY INSTALLATION HEIGHT IN FIELD
10	EC TO PROVIDE (1) 20A/120V CIRCUIT AT THIS LOCATION
11	EC TO PROVIDE (4) 20A/120V CIRCUITS FOR LED WALL AT THIS LOCATION. REFER TO LED WALL DOCUMENTATION FOR OUTLE LOCATIONS
12	EC TO PROVIDE (2) 20A/120V CIRCUITS WITHIN AVR AT THIS LOCATION

	AV BOX SCHEDULE - MEDIA CENTER H132							
BOX#	TYPE	MOUNTING HEIGHT	MOUNTING TYPE	BOX & COVER PROVIDED BY	CONN. PLATE PROVIDED BY	COMMENTS		
ANT-A	2 GANG DEEP	22' - 0"	FLUSH	EC	AV			
AVR	DWR-16-22		WALL					
BT-1	2 GANG DEEP	3' - 6"	FLUSH	EC	AV			
MP-1	1 GANG DEEP	1' - 6"	FLUSH	EXST	EXST			
SJ-1	4 SQ	23' - 0"	SURFACE	EC	AV			
SJ-2	4 SQ	23' - 0"	SURFACE	EC	AV			
TP-1	3 GANG DEEP	4' - 6"	FLUSH	EC	AV			
VJ-1	4 SQ	23' - 0"	SURFACE	EC	AV			
VP-1	2 GANG DEEP	1' - 6"	FLUSH	EC	AV			
WP-1	8x8x6	1' - 6"	FLUSH	EXST	EXST			

ABEL	MAKE	MODEL
SP-1	QSC	AD-S8T
SP-2	QSC	AD-S8T
SP-3	QSC	AD-S8T
SP-4	QSC	AD-S8T
SP-5	QSC	AD-S8T
SP-6	QSC	AD-S8T

AV PROJECTION SCREEN CALCS - MEDIA CENTER H132							
LABEL	MAKE	MODEL	ASPECT RATIO	SCREEN HEIGHT	SCREEN WIDTH		
SCR-1	DALITE	93229	16x9	65"	116"		

13 CONTRACTOR TO INSTALL WIRELESS MIC ANTENNA TO BEAM AT THIS LOCATION

AV PROJECTOR CALCS - MEDIA CENTER H132							
LABEL	MAKE	MODEL	ASPECT RATIO	IMAGE HEIGHT	IMAGE WIDTH	LENS	THROW DISTANCE
PRJ-1	EPSON	POWERLITE L610U	16x9	65"	116"	N/A	15' - 0"

UNIT G UNIT F

UNIT E UNIT D

1 AV PLAN - FIRST FLOOR - UNIT 'J', UNIT 'K' 1/8" = 1'-0"

CABLE TYPES - AV					
CODE	DESRIPTION	BELDEN	WEST PENN	WINDY CITY	OTHER
C6	CAT6 - 4 UNSHIELDED, TWISTED PAIR	7883A	4246	CAT6	
CNT	CONTROL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE
F	FIBER WIRE	1801B	DA252401	OCC-DZ006TSLX9YP	
HDMI	PRETERMINATED HDMI CABLE	-	-	-	4K60 CAPABLE
L	LINE - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ	
М	MIC - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ	
RF	ANTENNA CABLE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE
S10	SPEAKER - 1 PAIR 10 GA SPEAKER WIRE	6T00UP	25210	10-02P	
S12	SPEAKER - 1 PAIR 12 GA SPEAKER WIRE	6000UE	227	12-02	
S16	SPEAKER - 1 PAIR 16 GA SPEAKER WIRE	6200UE	225	16-02	
SDI	VIDEO COAXIAL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE



SCHO

EDG

	GENERAL AV NOTES
#	NOTES
1	CONTRACTOR TO REFURBISH EXISTING RACK AS APPROPRIATE
2	CONTRACTOR TO VERIFY EXACT LOCATION FOR NEW AVR INSTALLATION IN FIELD
3	CONTRACTOR TO RE-USE EXISTING POWER CIRCUITS TO AVR AS APPROPRIATE
4	CONTRACTOR TO INSTALL WIRELESS MIC ANTENNA TO WALL AT THIS LOCATION. SEE TA402 FOR DETAILS
5	NEW PROJECTOR AND SCREEN TO BE INSTALLED TO EXISTING PIPE GRID. VERIFY ALL PROJECTION CALCS IN FIELD AND ADJUST TO NEAREST MOUNTING POINT ON PIPE GRID AS APPROPRIATE
6	CONTRACTOR TO PROVIDE UNISTRUT AND APPROPRIATE RIGGING EQUIPMENT FOR LOUDSPEAKER AT THIS LOCATION
7	AV TO CONNECT NEW AMPLIFIER TO EXISTING LOUDSPEAKER WIRE RUNS AS APPROPRIATE. VERIFY POWER REQUIREMENTS IN-FIELD BEFORE ORDERING AMPLIFIER
8	AV TO CONNECT LOW-VOLTAGE MOTOR CONTROL TO DSP AS SHOWN IN ONE-LINE SCHEMATIC
9	INSTALL DAKTRONICS TI-2031 TO WALL AT THIS LOCATION AT AN APPROPRIATE HEIGHT. VERIFY INSTALLATION HEIGHT IN FIELD
10	EC TO PROVIDE (1) 20A/120V CIRCUIT AT THIS LOCATION
11	EC TO PROVIDE (4) 20A/120V CIRCUITS FOR LED WALL AT THIS LOCATION. REFER TO LED WALL DOCUMENTATION FOR OUTLET LOCATIONS
12	EC TO PROVIDE (2) 20A/120V CIRCUITS WITHIN AVR AT THIS LOCATION

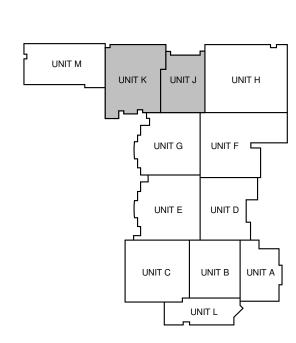
CONTRACTOR TO INSTALL WIRELESS MIC ANTENNA TO BEAM AT THIS LOCATION

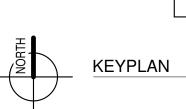
AV BOX SCHEDULE - CAFETERIA J127, K132						
BOX#	TYPE	MOUNTING HEIGHT	MOUNTING TYPE	BOX & COVER PROVIDED BY	CONN. PLATE PROVIDED BY	COMMENTS
ANT-1	2 GANG DEEP	10' - 0"	FLUSH	EC	AV	
ANT-2	2 GANG DEEP	10' - 0"	FLUSH	EC	AV	
AVR	DWR-24-22		WALL			
BT-1	2 GANG DEEP	1' - 6"	FLUSH	EC	AV	
BT-2	2 GANG DEEP	1' - 6"	FLUSH	EC	AV	
TP-1	3 GANG EXTRA DEEP	4' - 6"	FLUSH	EXST	EXST	
TP-2	3 GANG DEEP	4' - 6"	FLUSH	EC	AV	
VJ-1	1 GANG DEEP	10' - 0"	SURFACE	EC	AV	
VJ-2	1 GANG DEEP	10' - 0"	SURFACE	EC	AV	
VP-1	2 GANG DEEP	1' - 6"	FLUSH	EXST	EXST	
VP-2	2 GANG DEEP	1' - 6"	FLUSH	EC	AV	
WP-1	2 GANG DEEP	1' - 6"	FLUSH	EXST	EXST	
WP-2	2 GANG DEEP	1' - 6"	FLUSH	EC	AV	

AV LOUDSP	EAKER SCHEDULE - C	CAFETERIA J127, K
LABEL	MAKE	MODEL
OFE PENDANT	OFE	OFE

AV PROJECTION SCREEN CALCS - CAFETERIA J127, K132						
LABEL	MAKE	MODEL	ASPECT RATIO	SCREEN HEIGHT	SCREEN WIDTH	
SCR-1	OFE		16x9	101"	180"	
SCR-2	OFE		16x9	101"	180"	

		AV PROJEC	TOR CALCS	- CAFETERIA J	127, K132		
LABEL	MAKE	MODEL	ASPECT RATIO	IMAGE HEIGHT	IMAGE WIDTH	LENS	THROW DISTANCE
PRJ-1	EPSON	EB-PU2010B	16x9	101"	180"	ELPLM15	30' - 0"
PRJ-2	EPSON	EB-PU2010B	16x9	101"	180"	ELPLM15	30' - 0"







ISSUANCES

10-9-24 BIDS

1 AV RCP - LOWER LEVEL - UNIT 'C' 1/8" = 1'-0"

		CAB	LE TYPES - AV		
CODE	DESRIPTION	BELDEN	WEST PENN	WINDY CITY	OTHER
C6	CAT6 - 4 UNSHIELDED, TWISTED PAIR	7883A	4246	CAT6	
CNT	CONTROL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE
F	FIBER WIRE	1801B	DA252401	OCC-DZ006TSLX9YP	
HDMI	PRETERMINATED HDMI CABLE	-	-	-	4K60 CAPABLE
L	LINE - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ	
М	MIC - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ	
RF	ANTENNA CABLE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE
S10	SPEAKER - 1 PAIR 10 GA SPEAKER WIRE	6T00UP	25210	10-02P	
S12	SPEAKER - 1 PAIR 12 GA SPEAKER WIRE	6000UE	227	12-02	
S16	SPEAKER - 1 PAIR 16 GA SPEAKER WIRE	6200UE	225	16-02	
SDI	VIDEO COAXIAL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE



EDG

ISSUANCES

10-9-24 BIDS

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	GENERAL AV NOTES
#	NOTES
1	CONTRACTOR TO REFURBISH EXISTING RACK AS APPROPRIATE
2	CONTRACTOR TO VERIFY EXACT LOCATION FOR NEW AVR INSTALLATION IN FIELD
3	CONTRACTOR TO RE-USE EXISTING POWER CIRCUITS TO AVR AS APPROPRIATE
4	CONTRACTOR TO INSTALL WIRELESS MIC ANTENNA TO WALL AT THIS LOCATION. SEE TA402 FOR DETAILS
5	NEW PROJECTOR AND SCREEN TO BE INSTALLED TO EXISTING PIPE GRID. VERIFY ALL PROJECTION CALCS IN FIELD AND
	ADJUST TO NEAREST MOUNTING POINT ON PIPE GRID AS APPROPRIATE
6	CONTRACTOR TO PROVIDE UNISTRUT AND APPROPRIATE RIGGING EQUIPMENT FOR LOUDSPEAKER AT THIS LOCATION

IN-FIELD BEFORE ORDERING AMPLIFIER AV TO CONNECT LOW-VOLTAGE MOTOR CONTROL TO DSP AS SHOWN IN ONE-LINE SCHEMATIC INSTALL DAKTRONICS TI-2031 TO WALL AT THIS LOCATION AT AN APPROPRIATE HEIGHT. VERIFY INSTALLATION HEIGHT IN

10 EC TO PROVIDE (1) 20A/120V CIRCUIT AT THIS LOCATION EC TO PROVIDE (4) 20A/120V CIRCUITS FOR LED WALL AT THIS LOCATION. REFER TO LED WALL DOCUMENTATION FOR OUTLET LOCATIONS

12 EC TO PROVIDE (2) 20A/120V CIRCUITS WITHIN AVR AT THIS LOCATION

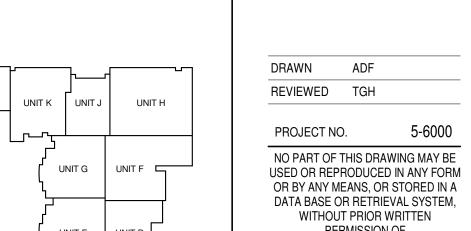
CONTRACTOR TO INSTALL WIRELESS MIC ANTENNA TO BEAM AT THIS LOCATION

AV BOX SCHEDULE - DRAMA C034						
BOX#	TYPE	MOUNTING HEIGHT	MOUNTING TYPE	BOX & COVER PROVIDED BY	CONN. PLATE PROVIDED BY	COMMENTS
BT-1	2 GANG DEEP	3' - 6"	FLUSH	EC	AV	
OFE IT RACK	DWR-16-22		WALL			
TP-1	3 GANG DEEP	4' - 6"	FLUSH	EC	AV	
VJ-1	1 GANG DEEP	10' - 0"	SURFACE	EC	AV	
VJ-1	1 GANG DEEP	10' - 0"	SURFACE	EC	AV	
VP-1	2 GANG DEEP	1' - 6"	FLUSH	EC	AV	

A	AV LOUDSPEAKER SCHEDULE - DRAMA C034				
LABEL	MAKE	MODEL			
SP-1	QSC	AD-S8T			
SP-2	QSC	AD-S8T			

	AV PR	OJECTION SCREE	N CALCS - DRA	AMA C034	
LABEL	MAKE	MODEL	ASPECT RATIO	SCREEN HEIGHT	SCREEN WIDTH
SCR-1	DALITE	93229	16x9	65"	116"
SCR-2	DALITE	93229	16x9	65"	116"

		AV PRO	JECTOR CAI	LCS - DRAMA C	034		
LABEL	MAKE	MODEL	ASPECT RATIO	IMAGE HEIGHT	IMAGE WIDTH	LENS	THROW DISTANCE
PRJ-1	EPSON	POWERLITE L610U	16x9	65"	116"		15' - 0"
PRJ-2	EPSON	POWERLITE L610U	16x9	65"	116"		15' - 0"



AV RCP - LOWER LEVEL - UNIT **TA211C**

UNIT E



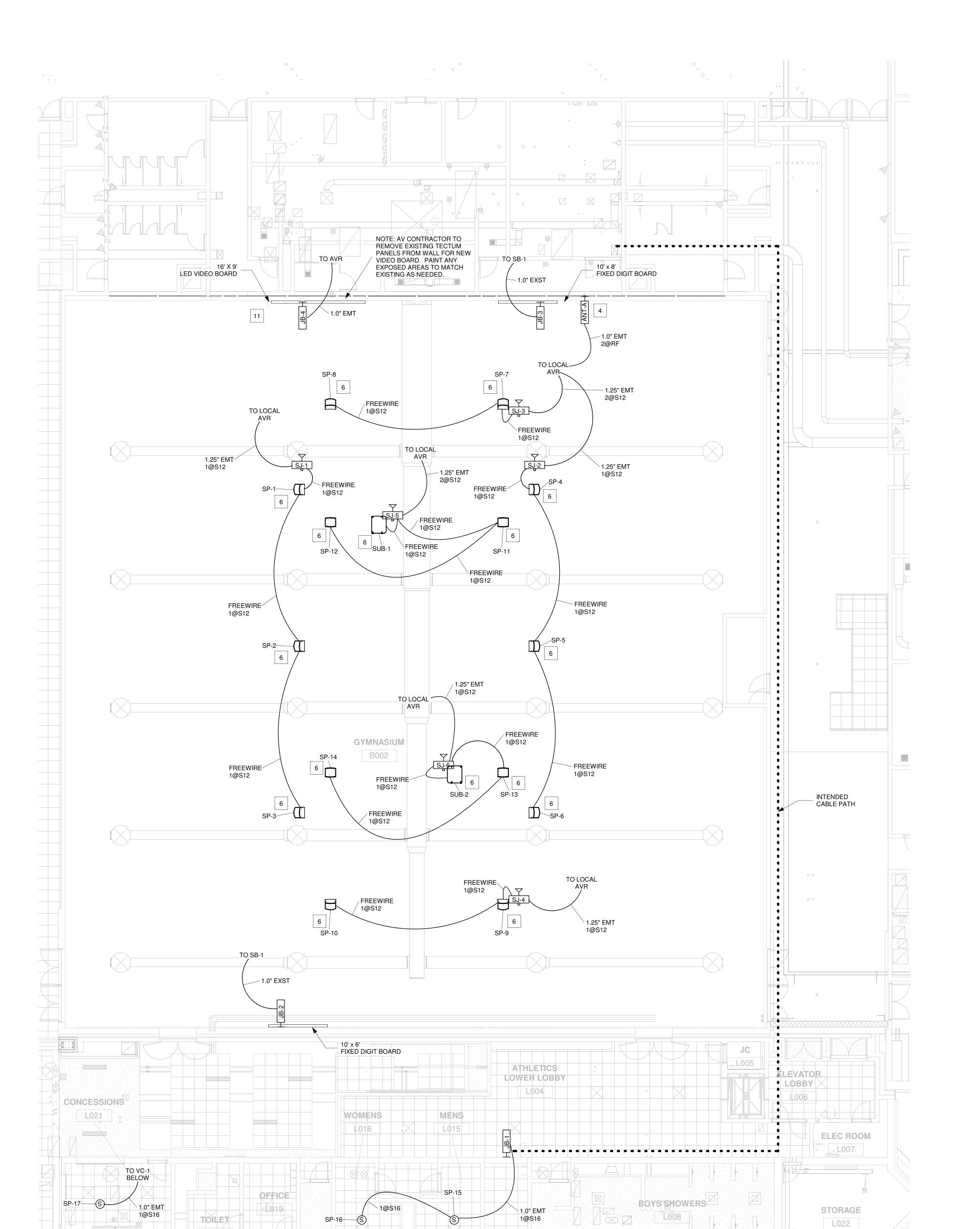
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1 AV RCP - FIRST FLOOR - UNIT 'B' 1/8" = 1'-0"

		CAB	LE TYPES - AV	,	
CODE	DESRIPTION	BELDEN	WEST PENN	WINDY CITY	OTHER
C6	CAT6 - 4 UNSHIELDED, TWISTED PAIR	7883A	4246	CAT6	
CNT	CONTROL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVIC
F	FIBER WIRE	1801B	DA252401	OCC-DZ006TSLX9YP	
HDMI	PRETERMINATED HDMI CABLE	-	-	-	4K60 CAPABLE
L	LINE - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ	
М	MIC - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ	
RF	ANTENNA CABLE	-	-	-	CABLE TYPE AS REQUIRED BY DEVIC
S10	SPEAKER - 1 PAIR 10 GA SPEAKER WIRE	6T00UP	25210	10-02P	
S12	SPEAKER - 1 PAIR 12 GA SPEAKER WIRE	6000UE	227	12-02	
S16	SPEAKER - 1 PAIR 16 GA SPEAKER WIRE	6200UE	225	16-02	
SDI	VIDEO COAXIAL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVIC

	GENERAL AV NOTES
#	NOTES
1	CONTRACTOR TO REFURBISH EXISTING RACK AS APPROPRIATE
2	CONTRACTOR TO VERIFY EXACT LOCATION FOR NEW AVR INSTALLATION IN FIELD
3	CONTRACTOR TO RE-USE EXISTING POWER CIRCUITS TO AVR AS APPROPRIATE
4	CONTRACTOR TO INSTALL WIRELESS MIC ANTENNA TO WALL AT THIS LOCATION. SEE TA402 FOR DETAILS
5	NEW PROJECTOR AND SCREEN TO BE INSTALLED TO EXISTING PIPE GRID. VERIFY ALL PROJECTION CALCS IN FIELD AND ADJUST TO NEAREST MOUNTING POINT ON PIPE GRID AS APPROPRIATE
6	CONTRACTOR TO PROVIDE UNISTRUT AND APPROPRIATE RIGGING EQUIPMENT FOR LOUDSPEAKER AT THIS LOCATION
7	AV TO CONNECT NEW AMPLIFIER TO EXISTING LOUDSPEAKER WIRE RUNS AS APPROPRIATE. VERIFY POWER REQUIREMENTS IN-FIELD BEFORE ORDERING AMPLIFIER
8	AV TO CONNECT LOW-VOLTAGE MOTOR CONTROL TO DSP AS SHOWN IN ONE-LINE SCHEMATIC
	INICIALL BALTBONICO TI CON TO MALL AT THIS LOCATION AT AN ABBROODIATE HEIGHT. MEDIEV/INICIALL ATION HEIGHT IN

INSTALL DAKTRONICS TI-2031 TO WALL AT THIS LOCATION AT AN APPROPRIATE HEIGHT. VERIFY INSTALLATION HEIGHT IN FIELD EC TO PROVIDE (1) 20A/120V CIRCUIT AT THIS LOCATION EC TO PROVIDE (4) 20A/120V CIRCUITS FOR LED WALL AT THIS LOCATION. REFER TO LED WALL DOCUMENTATION FOR OUTLET LOCATIONS

12 EC TO PROVIDE (2) 20A/120V CIRCUITS WITHIN AVR AT THIS LOCATION

CONTRACTOR TO INSTALL WIRELESS MIC ANTENNA TO BEAM AT THIS LOCATION

AV BOX SCHEDULE - GYMNASIUM BO

BOX#	TYPE	MOUNTING HEIGHT	MOUNTING TYPE	BOX & COVER PROVIDED BY	CONN. PLATE PROVIDED BY	COMMENTS
ANT-A	2 GANG DEEP	12' - 0"	FLUSH	EC	AV	
AVR	DWR-24-22					
BT-1	2 GANG DEEP	3' - 6"	FLUSH	EC	AV	
JB-1	4 SQ	8' - 0"	FLUSH	EC	AV	
JB-2	2 GANG DEEP	18' - 6"	FLUSH	EC	AV	
JB-3	2 GANG DEEP	18' - 6"	FLUSH	EC	AV	
JB-4	2 GANG DEEP	18' - 6"	FLUSH	EC	AV	
SB-1	2 GANG DEEP	1' - 6"	FLUSH	EC	AV	
SB-2	1 GANG DEEP	8' - 0"	FLUSH	EC	AV	
SB-2	2 GANG DEEP	0' - 6"	FLUSH	EC	AV	
SB-3	1 GANG DEEP	8' - 0"	FLUSH	EC	AV	
SB-4	1 GANG DEEP	8' - 0"	FLUSH	EC	AV	
SJ-1	4 SQ	20' - 0"	SURFACE	EC	AV	
SJ-2	4 SQ	20' - 0"	SURFACE	EC	AV	
SJ-3	4 SQ	20' - 0"	SURFACE	EC	AV	
SJ-4	4 SQ	20' - 0"	SURFACE	EC	AV	
SJ-5	4 SQ	20' - 0"	SURFACE	EC	AV	
SJ-6	4 SQ	20' - 0"	SURFACE	EC	AV	
TP-1	3 GANG DEEP	4' - 6"	FLUSH	EC	AV	
VC-1	1 GANG DEEP	3' - 6"	FLUSH	EC	AV	
WP-1	1 GANG DEEP	1' - 6"	FLUSH	EXST	AV	
WP-2	2 GANG DEEP	1' - 6"	FLUSH	EXST	AV	
WP-3	2 GANG DEEP	0' - 6"	FLUSH	EXST	AV	
WP-4	2 GANG DEEP	1' - 6"	FLUSH	EC	AV	

AV LOUDSPEAKER SCHEDULE - GYMNASIUM B002								
LABEL	MAKE	MODEL	PITCH	AZIMUTH				
SP-1	FULCRUM ACOUSTICS	CX1526	-38.00°	0.00°				
SP-2	FULCRUM ACOUSTICS	CX1526	-38.00°	0.00°				
SP-3	FULCRUM ACOUSTICS	CX1526	-38.00°	0.00°				
SP-4	FULCRUM ACOUSTICS	CX1526	-38.00°	0.00°				
SP-5	FULCRUM ACOUSTICS	CX1526	-38.00°	0.00°				
SP-6	SP-6 FULCRUM ACOUSTICS		-38.00°	0.00°				
SP-7	FULCRUM ACOUSTICS	CX1595	-45.00°	0.00°				
SP-8	FULCRUM ACOUSTICS	CX1595	-45.00°	0.00°				
SP-9	FULCRUM ACOUSTICS	CX1595	-45.00°	0.00°				
SP-10	FULCRUM ACOUSTICS	CX1595	-45.00°	0.00°				
SP-11	FULCRUM ACOUSTICS	CX1595	-90.00°	0.00°				
SP-12	12 FULCRUM ACOUSTICS		-90.00°	0.00°				
SP-13	FULCRUM ACOUSTICS	CX1595	-90.00°	0.00°				
SP-14	FULCRUM ACOUSTICS	CX1595	-90.00°	0.00°				
SP-15	QSC	AD-C6T-LP						
SP-16	QSC	AD-C6T-LP						
SP-17	QSC	AD-C6T-LP						
SUB-1	FULCRUM ACOUSTICS	US221-2	0.00°	0.00°				
SUB-2	FULCRUM ACOUSTICS	US221-2	0.00°	0.00°				

NOTE: VERIFY ALL AIMING ANGLES WITH CONSULTANT AS SPEAKERS ARE BEING HUNG. FIELD CONDITIONS MAY DICTATE SLIGHTLY DIFFERENT AIMING ANGLES TO ACCOMMODATE BLEACHERS.

UNIT G UNIT F

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AV RCP - FIRST FLOOR - UNIT

AV RCP - FIRST FLOOR - UNIT 'G'

1/8" = 1'-0"

	CABLE TYPES - AV								
CODE	DESRIPTION	BELDEN	WEST PENN	WINDY CITY	OTHER				
C6	CAT6 - 4 UNSHIELDED, TWISTED PAIR	7883A	4246	CAT6					
CNT	CONTROL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE				
F	FIBER WIRE	1801B	DA252401	OCC-DZ006TSLX9YP					
HDMI	PRETERMINATED HDMI CABLE	-	-	-	4K60 CAPABLE				
L	LINE - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ					
М	MIC - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ					
RF	ANTENNA CABLE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE				
S10	SPEAKER - 1 PAIR 10 GA SPEAKER WIRE	6T00UP	25210	10-02P					
S12	SPEAKER - 1 PAIR 12 GA SPEAKER WIRE	6000UE	227	12-02					
S16	SPEAKER - 1 PAIR 16 GA SPEAKER WIRE	6200UE	225	16-02					
SDI	VIDEO COAXIAL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE				

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GENERAL AV NOTES
NOTES
CONTRACTOR TO REFURBISH EXISTING RACK AS APPROPRIATE

- CONTRACTOR TO VERIFY EXACT LOCATION FOR NEW AVR INSTALLATION IN FIELD CONTRACTOR TO RE-USE EXISTING POWER CIRCUITS TO AVR AS APPROPRIATE
- 4 CONTRACTOR TO INSTALL WIRELESS MIC ANTENNA TO WALL AT THIS LOCATION. SEE TA402 FOR DETAILS
- 5 NEW PROJECTOR AND SCREEN TO BE INSTALLED TO EXISTING PIPE GRID. VERIFY ALL PROJECTION CALCS IN FIELD AND ADJUST TO NEAREST MOUNTING POINT ON PIPE GRID AS APPROPRIATE
- 6 CONTRACTOR TO PROVIDE UNISTRUT AND APPROPRIATE RIGGING EQUIPMENT FOR LOUDSPEAKER AT THIS LOCATION
- 7 AV TO CONNECT NEW AMPLIFIER TO EXISTING LOUDSPEAKER WIRE RUNS AS APPROPRIATE. VERIFY POWER REQUIREMENTS IN-FIELD BEFORE ORDERING AMPLIFIER
- 8 AV TO CONNECT LOW-VOLTAGE MOTOR CONTROL TO DSP AS SHOWN IN ONE-LINE SCHEMATIC
- 9 INSTALL DAKTRONICS TI-2031 TO WALL AT THIS LOCATION AT AN APPROPRIATE HEIGHT. VERIFY INSTALLATION HEIGHT IN FIELD
- 10 EC TO PROVIDE (1) 20A/120V CIRCUIT AT THIS LOCATION
 11 EC TO PROVIDE (4) 20A/120V CIRCUITS FOR LED WALL AT THIS L
- 11 EC TO PROVIDE (4) 20A/120V CIRCUITS FOR LED WALL AT THIS LOCATION. REFER TO LED WALL DOCUMENTATION FOR OUTLET LOCATIONS

12	EC TO PROVIDE (2) 20A/120V CIRCUITS WITHIN AVR AT THIS LOCATION

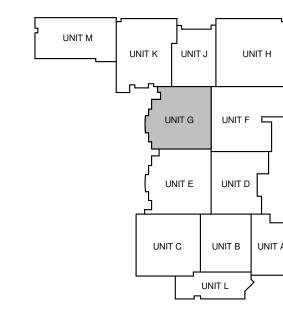
Ī	13	CONTRACTOR TO INSTALL WIRELESS MIC ANTENNA TO BEAM AT THIS LOCATION
	13	CONTRACTOR TO INSTALL WINLESS WIG ANTENNA TO BEAW AT THIS LOCATION

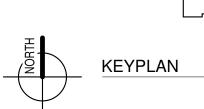
			AV	BOX SCHEDULE - GYN	INASIUM G104	
BOX #	TYPE	MOUNTING HEIGHT	MOUNTING TYPE	BOX & COVER PROVIDED BY	CONN. PLATE PROVIDED BY	COMMENTS
ANT-A	2 GANG DEEP	22' - 0"	FLUSH	EC	AV	
AVR	DWR-16-22		WALL			
BT-1	2 GANG DEEP	3' - 6"	FLUSH	EC	AV	
MP-1	1 GANG DEEP	1' - 6"	FLUSH	EXST	EXST	
SJ-1	4 SQ	23' - 0"	SURFACE	EC	AV	
SJ-2	4 SQ	23' - 0"	SURFACE	EC	AV	
TP-1	3 GANG DEEP	4' - 6"	FLUSH	EC	AV	
VJ-1	4 SQ	23' - 0"	SURFACE	EC	AV	
VP-1	2 GANG DEEP	1' - 6"	FLUSH	EC	AV	
WP-1	8x8x6	1' - 6"	FLUSH	EXST	EXST	

	AV LOUDSPEAKER SCHEDULE - GYMNASIUM G104								
LABEL	MAKE	MODEL	PITCH	AZIMUTH					
SP-1	QSC	E115	-45.00°	0.00°					
SP-2	QSC	E115	-45.00°	0.00°					
SP-3	QSC	E115	-45.00°	0.00°					
SP-4	QSC	E115	-90.00°	0.00°					
SP-5	QSC	E115	-90.00°	0.00°					
SP-6	QSC	E115	-90.00°	0.00°					

	AV PROJECTION SCREEN CALCS - GYMNASIUM G104									
LABEL	MAKE	MODEL	ASPECT RATIO	SCREEN HEIGHT	SCREEN WIDTH					
SCR-1	DALITE	99291L	16x9	108"	192"					

AV PROJECTOR CALCS - GYMNASIUM G104								
LABEL	MAKE	MODEL	ASPECT RATIO	IMAGE HEIGHT	IMAGE WIDTH	LENS	THROW DISTANCE	
PRJ-1	EPSON	EB-PU2010B	16x9	108"	192"	ELPLW06	21' - 11"	





DRAWN ADF

REVIEWED TGH

PROJECT NO. 5-6000

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TA212G

AV RCP - FIRST FLOOR - UNIT

1 AV RCP - FIRST FLOOR - UNIT 'H' 1/8" = 1'-0"

	CABLE TYPES - AV								
CODE	DESRIPTION	BELDEN	WEST PENN	WINDY CITY	OTHER				
C6	CAT6 - 4 UNSHIELDED, TWISTED PAIR	7883A	4246	CAT6					
CNT	CONTROL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE				
F	FIBER WIRE	1801B	DA252401	OCC-DZ006TSLX9YP					
HDMI	PRETERMINATED HDMI CABLE	-	-	-	4K60 CAPABLE				
L	LINE - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ					
М	MIC - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ					
RF	ANTENNA CABLE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE				
S10	SPEAKER - 1 PAIR 10 GA SPEAKER WIRE	6T00UP	25210	10-02P					
S12	SPEAKER - 1 PAIR 12 GA SPEAKER WIRE	6000UE	227	12-02					
S16	SPEAKER - 1 PAIR 16 GA SPEAKER WIRE	6200UE	225	16-02					
SDI	VIDEO COAXIAL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE				



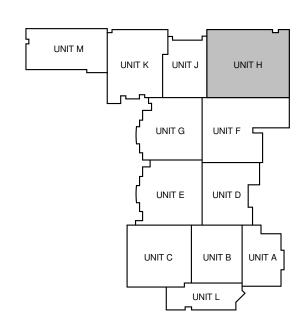
	GENERAL AV NOTES						
#	NOTES						
1	CONTRACTOR TO REFURBISH EXISTING RACK AS APPROPRIATE						
2	CONTRACTOR TO VERIFY EXACT LOCATION FOR NEW AVR INSTALLATION IN FIELD						
3	CONTRACTOR TO RE-USE EXISTING POWER CIRCUITS TO AVR AS APPROPRIATE						
4	CONTRACTOR TO INSTALL WIRELESS MIC ANTENNA TO WALL AT THIS LOCATION. SEE TA402 FOR DETAILS						
5	NEW PROJECTOR AND SCREEN TO BE INSTALLED TO EXISTING PIPE GRID. VERIFY ALL PROJECTION CALCS IN FIELD AND ADJUST TO NEAREST MOUNTING POINT ON PIPE GRID AS APPROPRIATE						
6	CONTRACTOR TO PROVIDE UNISTRUT AND APPROPRIATE RIGGING EQUIPMENT FOR LOUDSPEAKER AT THIS LOCATION						
7	AV TO CONNECT NEW AMPLIFIER TO EXISTING LOUDSPEAKER WIRE RUNS AS APPROPRIATE. VERIFY POWER REQUIREMENTS IN-FIELD BEFORE ORDERING AMPLIFIER						
8	AV TO CONNECT LOW-VOLTAGE MOTOR CONTROL TO DSP AS SHOWN IN ONE-LINE SCHEMATIC						
9	INSTALL DAKTRONICS TI-2031 TO WALL AT THIS LOCATION AT AN APPROPRIATE HEIGHT. VERIFY INSTALLATION HEIGHT IN FIELD						
10	EC TO PROVIDE (1) 20A/120V CIRCUIT AT THIS LOCATION						
11	EC TO PROVIDE (4) 20A/120V CIRCUITS FOR LED WALL AT THIS LOCATION. REFER TO LED WALL DOCUMENTATION FOR OUTLET LOCATIONS						
12	EC TO PROVIDE (2) 20A/120V CIRCUITS WITHIN AVR AT THIS LOCATION						

AV BOX SCHEDULE - MEDIA CENTER H132								
BOX#	TYPE	MOUNTING HEIGHT	MOUNTING TYPE	BOX & COVER PROVIDED BY	CONN. PLATE PROVIDED BY	COMMENTS		
ANT-A	2 GANG DEEP	22' - 0"	FLUSH	EC	AV			
AVR	DWR-16-22		WALL					
BT-1	2 GANG DEEP	3' - 6"	FLUSH	EC	AV			
MP-1	1 GANG DEEP	1' - 6"	FLUSH	EXST	EXST			
SJ-1	4 SQ	23' - 0"	SURFACE	EC	AV			
SJ-2	4 SQ	23' - 0"	SURFACE	EC	AV			
TP-1	3 GANG DEEP	4' - 6"	FLUSH	EC	AV			
VJ-1	4 SQ	23' - 0"	SURFACE	EC	AV			
VP-1	2 GANG DEEP	1' - 6"	FLUSH	EC	AV			
WP-1	8x8x6	1' - 6"	FLUSH	EXST	EXST			

LABEL	MAKE	MODEL
SP-1	QSC	AD-S8T
SP-2	QSC	AD-S8T
SP-3	QSC	AD-S8T
SP-4	QSC	AD-S8T
SP-5	QSC	AD-S8T
SP-6	QSC	AD-S8T

	AV PROJECTION SCREEN CALCS - MEDIA CENTER H132								
LABEL	MAKE	MODEL	ASPECT RATIO	SCREEN HEIGHT	SCREEN WIDTH				
SCR-1	DALITE	93229	16x9	65"	116"				

AV PROJECTOR CALCS - MEDIA CENTER H132									
LABEL	MAKE	MODEL	ASPECT RATIO	IMAGE HEIGHT	IMAGE WIDTH	LENS	THROW DISTANCE		
PRJ-1	EPSON	POWERLITE L610U	16x9	65"	116"	N/A	15' - 0"		





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AV RCP - FIRST FLOOR - UNIT

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TA212H

CONTRACTOR TO INSTALL WIRELESS MIC ANTENNA TO BEAM AT THIS LOCATION

1 AV RCP - FIRST FLOOR - UNIT 'J', UNIT 'K' 1/8" = 1'-0"

CABLE TYPES - AV									
CODE	DESRIPTION	BELDEN	WEST PENN	WINDY CITY	OTHER				
C6	CAT6 - 4 UNSHIELDED, TWISTED PAIR	7883A	4246	CAT6					
CNT	CONTROL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE				
F	FIBER WIRE	1801B	DA252401	OCC-DZ006TSLX9YP					
HDMI	PRETERMINATED HDMI CABLE	-	-	-	4K60 CAPABLE				
L	LINE - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ					
М	MIC - 1 PR 22 GA W/ SHIELD	9451	454	22-1PREZ					
RF	ANTENNA CABLE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE				
S10	SPEAKER - 1 PAIR 10 GA SPEAKER WIRE	6T00UP	25210	10-02P					
S12	SPEAKER - 1 PAIR 12 GA SPEAKER WIRE	6000UE	227	12-02					
S16	SPEAKER - 1 PAIR 16 GA SPEAKER WIRE	6200UE	225	16-02					
SDI	VIDEO COAXIAL WIRE	-	-	-	CABLE TYPE AS REQUIRED BY DEVICE				



SCHO

	GENERAL AV NOTES						
#	NOTES						
1	CONTRACTOR TO REFURBISH EXISTING RACK AS APPROPRIATE						
2	CONTRACTOR TO VERIFY EXACT LOCATION FOR NEW AVR INSTALLATION IN FIELD						
3	CONTRACTOR TO RE-USE EXISTING POWER CIRCUITS TO AVR AS APPROPRIATE						
4	CONTRACTOR TO INSTALL WIRELESS MIC ANTENNA TO WALL AT THIS LOCATION. SEE TA402 FOR DETAILS						
5	NEW PROJECTOR AND SCREEN TO BE INSTALLED TO EXISTING PIPE GRID. VERIFY ALL PROJECTION CALCS IN FIELD AND ADJUST TO NEAREST MOUNTING POINT ON PIPE GRID AS APPROPRIATE						

6 CONTRACTOR TO PROVIDE UNISTRUT AND APPROPRIATE RIGGING EQUIPMENT FOR LOUDSPEAKER AT THIS LOCATION
7 AV TO CONNECT NEW AMPLIFIER TO EXISTING LOUDSPEAKER WIRE RUNS AS APPROPRIATE. VERIFY POWER REQUIREMENTS IN-FIELD BEFORE ORDERING AMPLIFIER

8 AV TO CONNECT LOW-VOLTAGE MOTOR CONTROL TO DSP AS SHOWN IN ONE-LINE SCHEMATIC
9 INSTALL DAKTRONICS TI-2031 TO WALL AT THIS LOCATION AT AN APPROPRIATE HEIGHT. VERIFY INSTALLATION HEIGHT IN

FIELD

10 EC TO PROVIDE (1) 20A/120V CIRCUIT AT THIS LOCATION

11 EC TO PROVIDE (4) 20A/120V CIRCUITS FOR LED WALL AT THIS LOCATION. REFER TO LED WALL DOCUMENTATION FOR OUTLET

12 EC TO PROVIDE (2) 20A/120V CIRCUITS WITHIN AVR AT THIS LOCATION

LOCATIONS

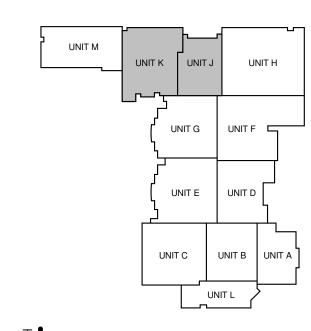
13 CONTRACTOR TO INSTALL WIRELES NEW YEAR OF THE STATE OF

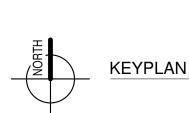
BOX#	TYPE	MOUNTING HEIGHT	MOUNTING TYPE	BOX & COVER PROVIDED BY	CONN. PLATE PROVIDED BY	COMMENTS
ANT-1	2 GANG DEEP	10' - 0"	FLUSH	EC	AV	
ANT-2	2 GANG DEEP	10' - 0"	FLUSH	EC	AV	
AVR	DWR-24-22		WALL			
BT-1	2 GANG DEEP	1' - 6"	FLUSH	EC	AV	
BT-2	2 GANG DEEP	1' - 6"	FLUSH	EC	AV	
TP-1	3 GANG EXTRA DEEP	4' - 6"	FLUSH	EXST	EXST	
TP-2	3 GANG DEEP	4' - 6"	FLUSH	EC	AV	
VJ-1	1 GANG DEEP	10' - 0"	SURFACE	EC	AV	
VJ-2	1 GANG DEEP	10' - 0"	SURFACE	EC	AV	
VP-1	2 GANG DEEP	1' - 6"	FLUSH	EXST	EXST	
VP-2	2 GANG DEEP	1' - 6"	FLUSH	EC	AV	
WP-1	2 GANG DEEP	1' - 6"	FLUSH	EXST	EXST	
WP-2	2 GANG DEEP	1' - 6"	FLUSH	EC	AV	

LABEL	MAKE	MODEL
FE PENDANT	OFE	OFE
OFE PENDANT	OFE	OFE
OFE PENDANT	OFE	OFE
OFE PENDANT	OFE	OFE
OFE PENDANT	OFE	OFE
OFE PENDANT	OFE	OFE
OFE PENDANT	OFE	OFE
OFE PENDANT	OFE	OFE
OFE PENDANT	OFE	OFE
FE PENDANT	OFE	OFE
FE PENDANT	OFE	OFE
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OFE PENDANT	OFE	OFE
OFE PENDANT	OFE	OFE
OFE PENDANT	OFE	OFE
FE PENDANT	OFE	OFE
FE PENDANT	OFE	OFE
FE PENDANT	OFE	OFE

AV PROJECTION SCREEN CALCS - CAFETERIA J127, K132									
LABEL	MAKE	MODEL	ASPECT RATIO	SCREEN HEIGHT	SCREEN WIDTH				
SCR-1	OFE		16x9	101"	180"				
SCR-2	OFE		16x9	101"	180"				

	AV PROJECTOR CALCS - CAFETERIA J127, K132									
LABEL	MAKE	MODEL	ASPECT RATIO	IMAGE HEIGHT	IMAGE WIDTH	LENS	THROW DISTANCE			
PRJ-1	EPSON	EB-PU2010B	16x9	101"	180"	ELPLM15	30' - 0"			
PRJ-2	EPSON	EB-PU2010B	16x9	101"	180"	ELPLM15	30' - 0"			





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AV RCP - FIRST FLOOR - UNIT J, UNIT K

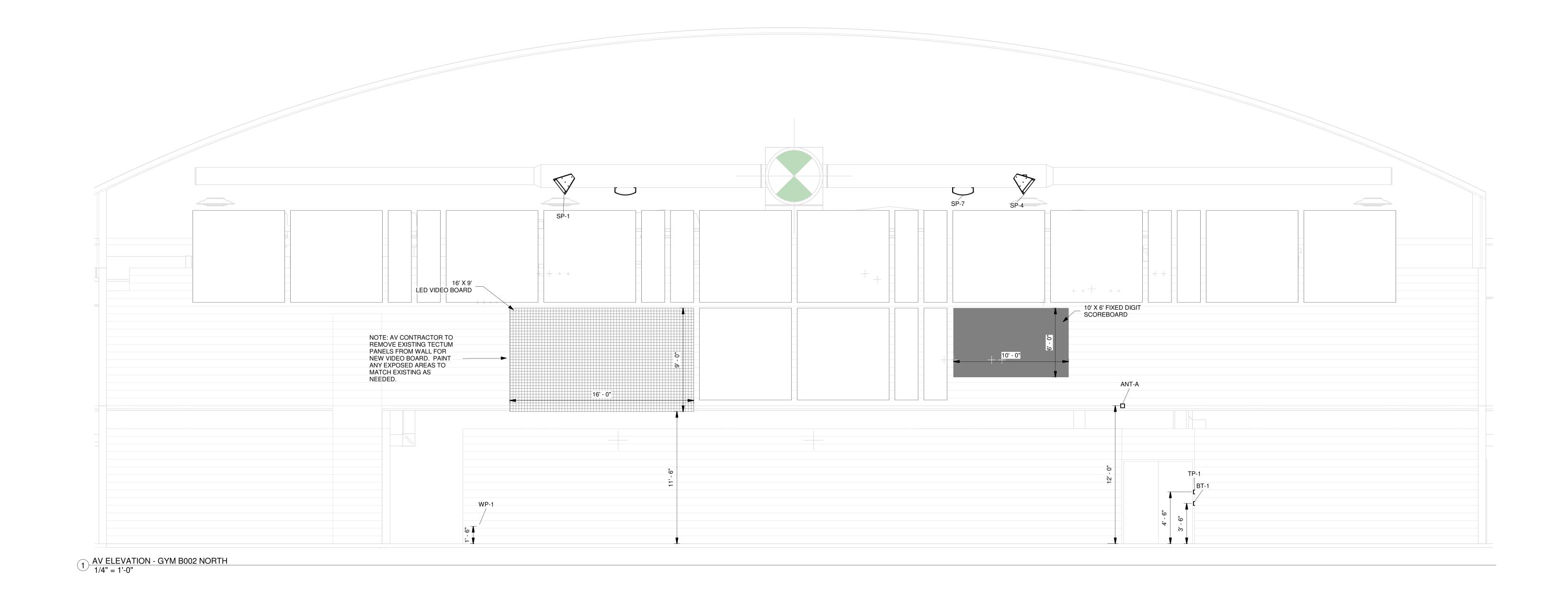
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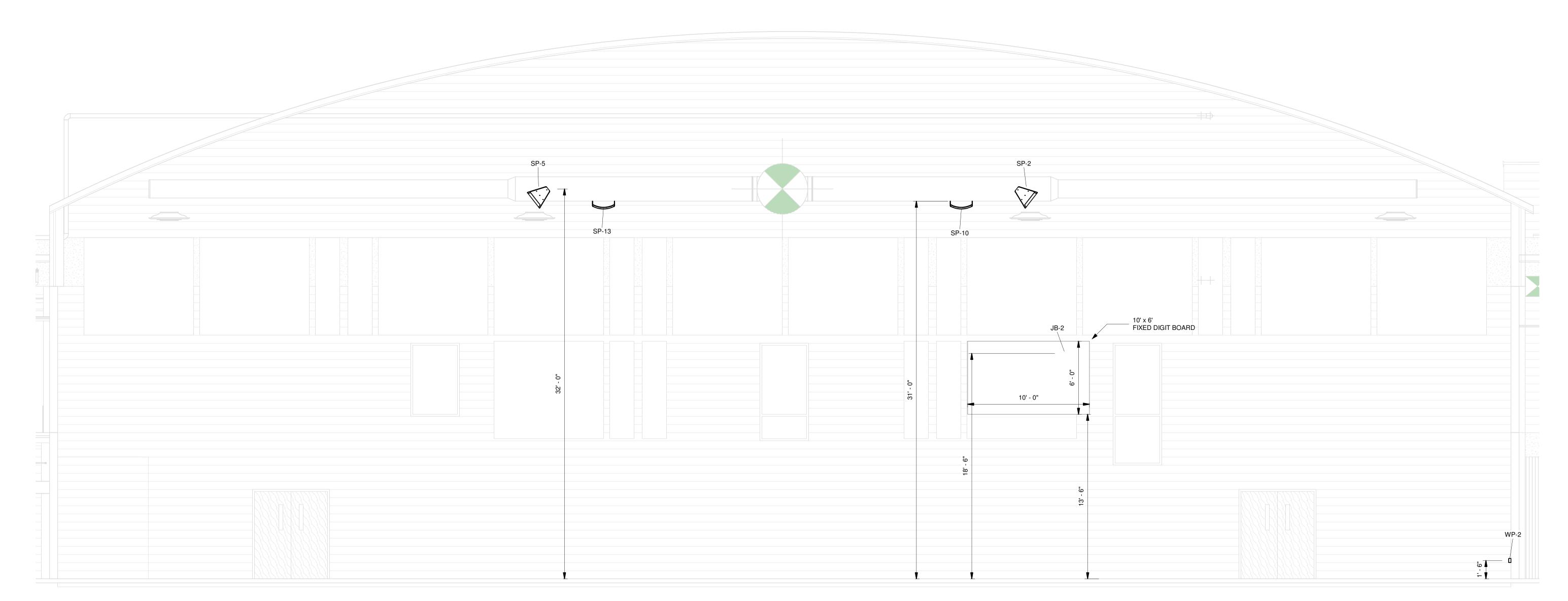
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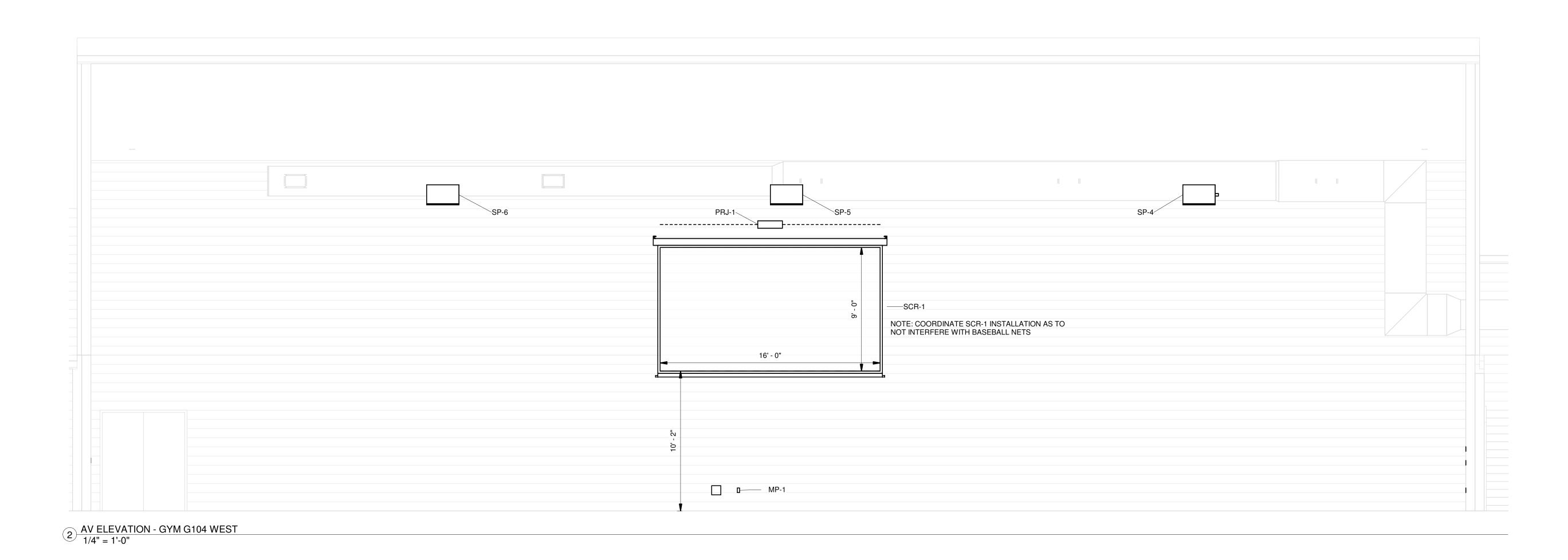
TA212J

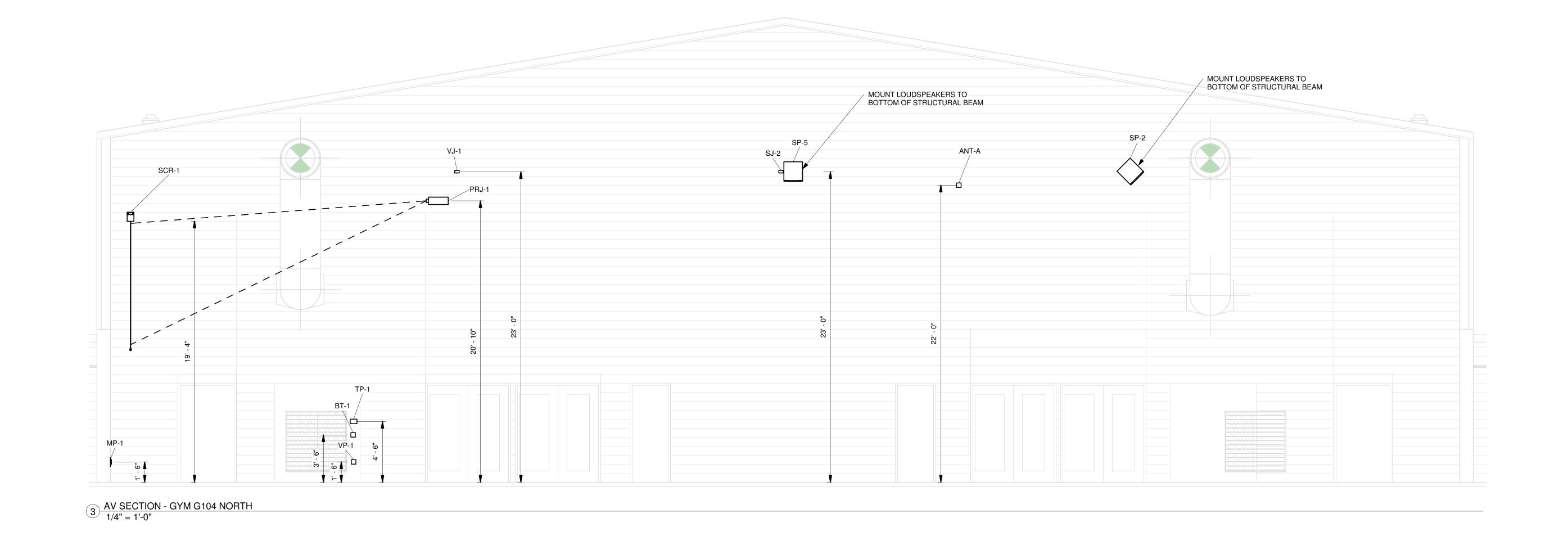
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AV SECTIONS, ELEVATIONS









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AND LEDGE PUBLIC SCHOOLS

ISSUANCES

10-9-24 BIDS

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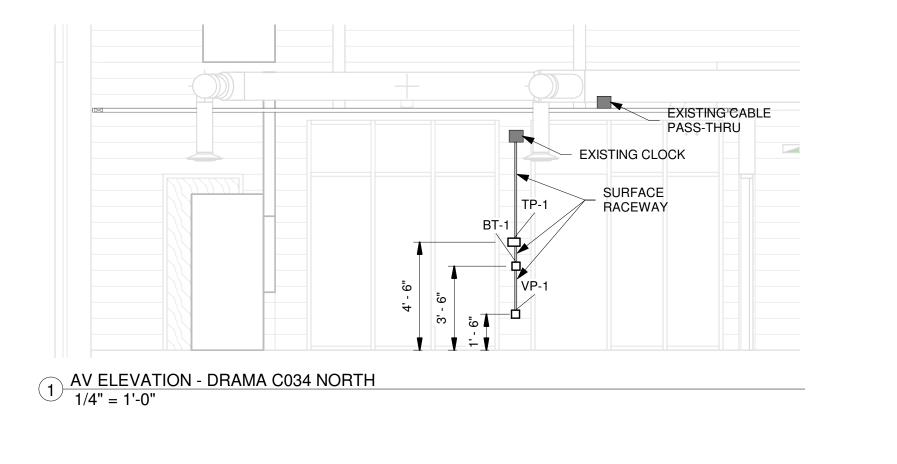
AV SECTIONS, ELEVATIONS
CONT.

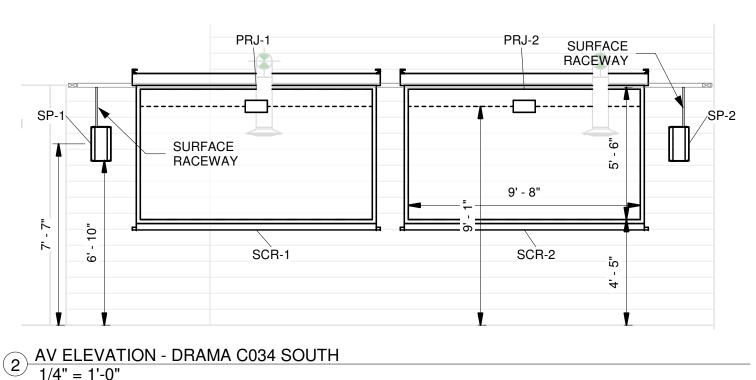
PROJECTOR _ MOUNTING PIPE

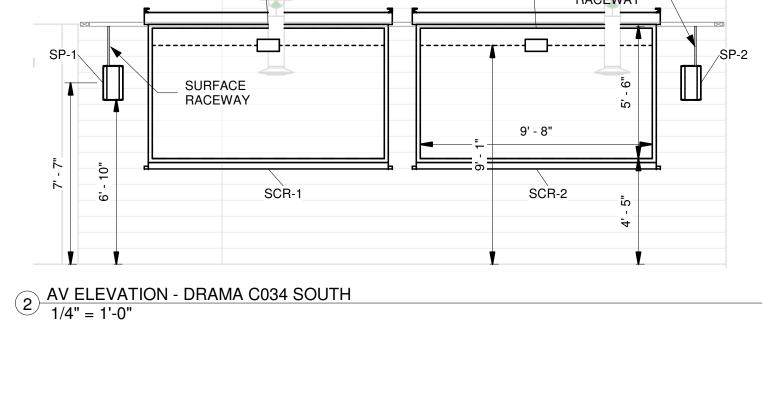
SURFACE RACEWAY

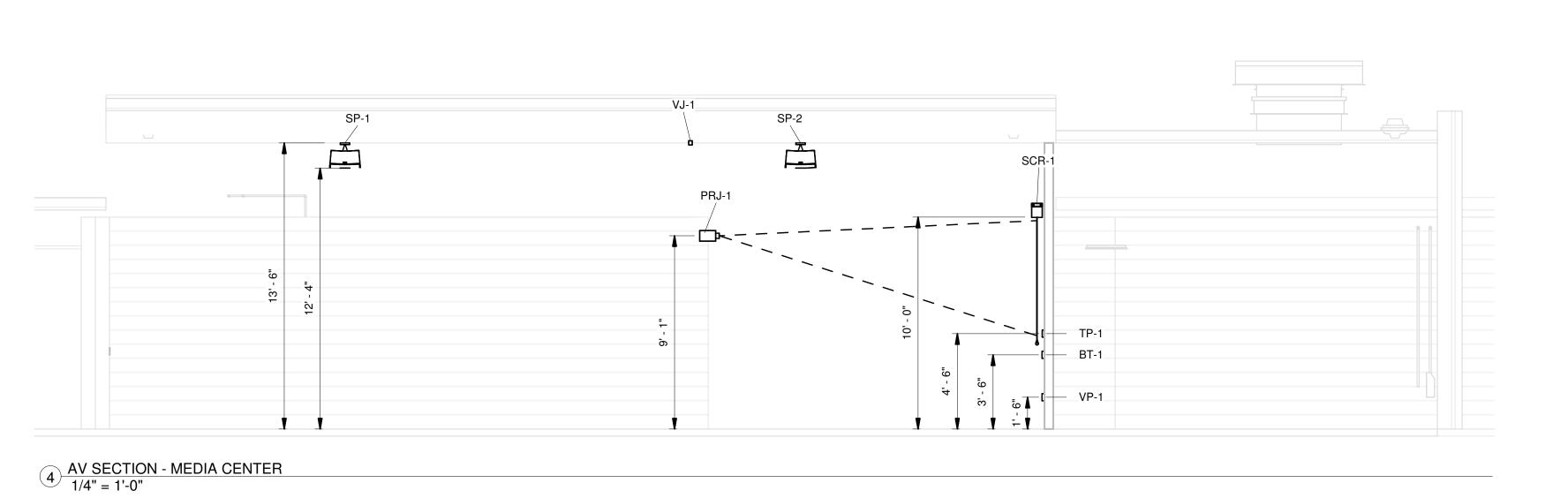
3 AV ELEVATION - MEDIA CENTER H132 EAST 1/4" = 1'-0"

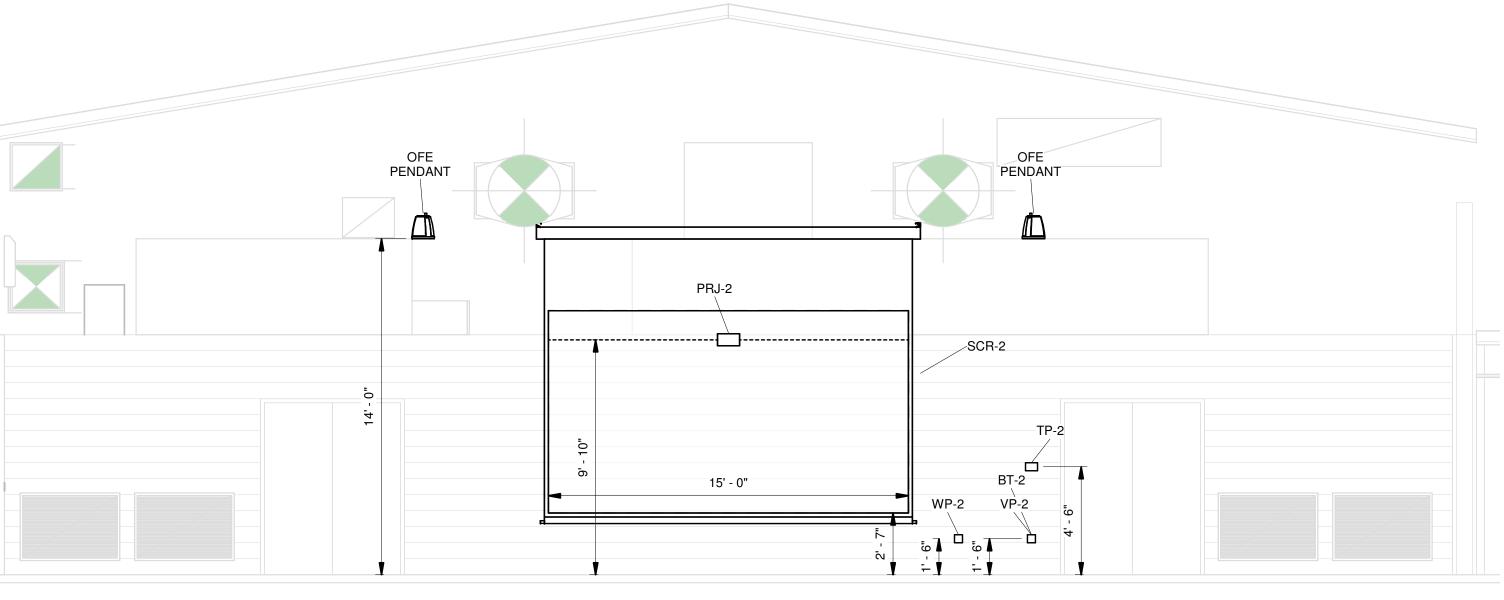
6 AV ELEVATION - CAFETERIA K132 WEST 1/4" = 1'-0"











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RENOVATIONS

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AV SECTIONS, ELEVATIONS CONT.





ISSUANCES

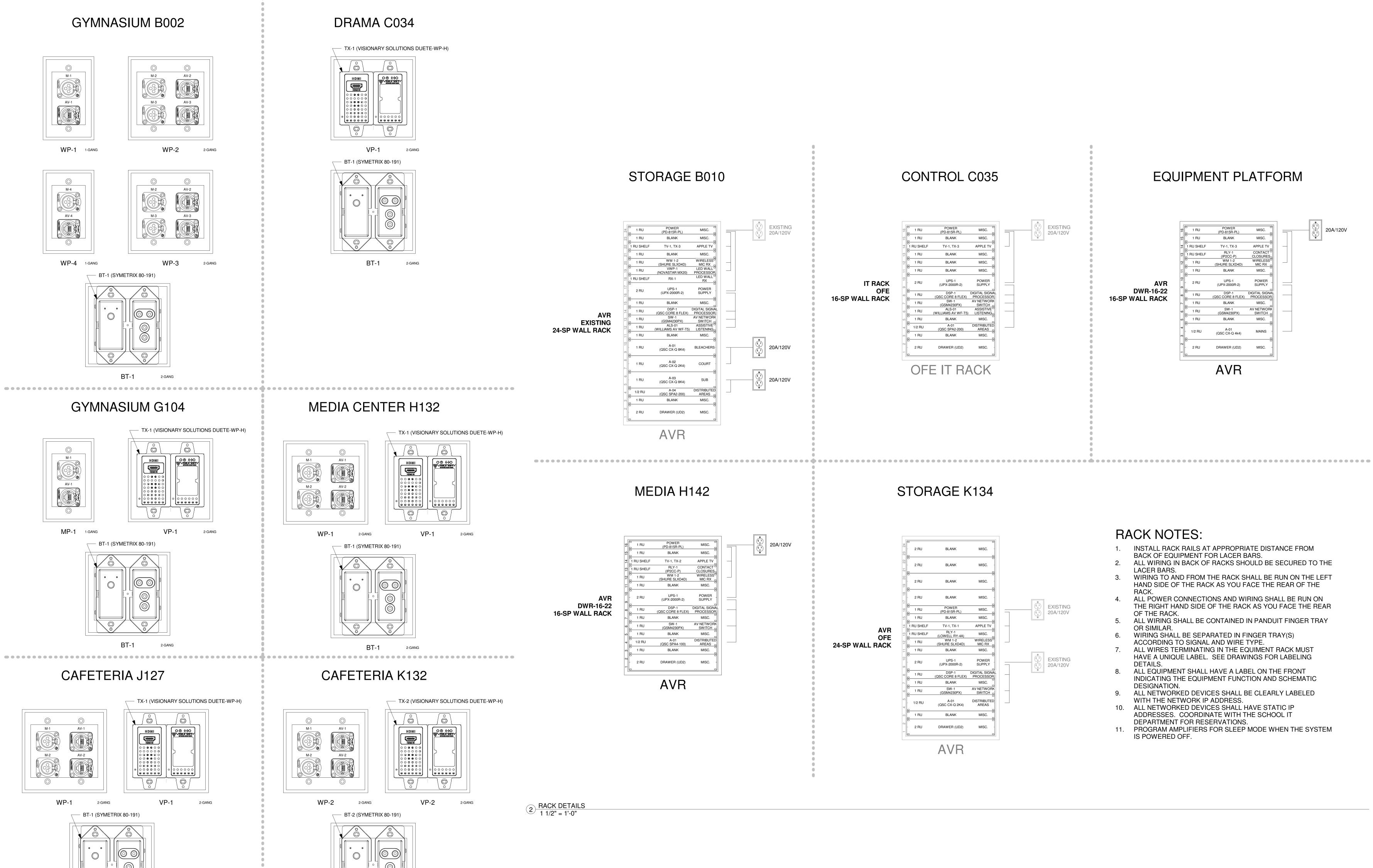
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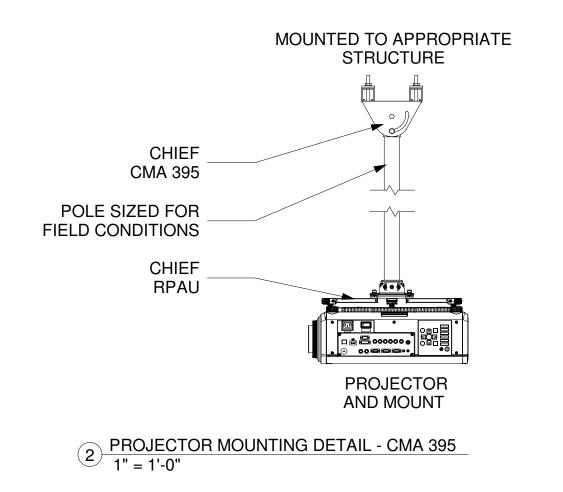
AV RACKS, PLATES, DETAILS

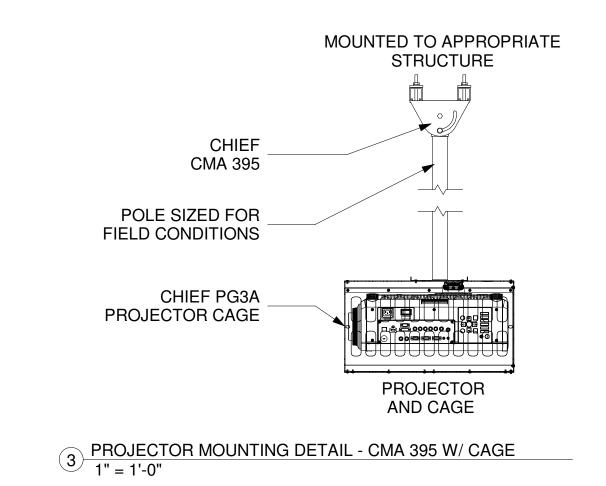
TA401

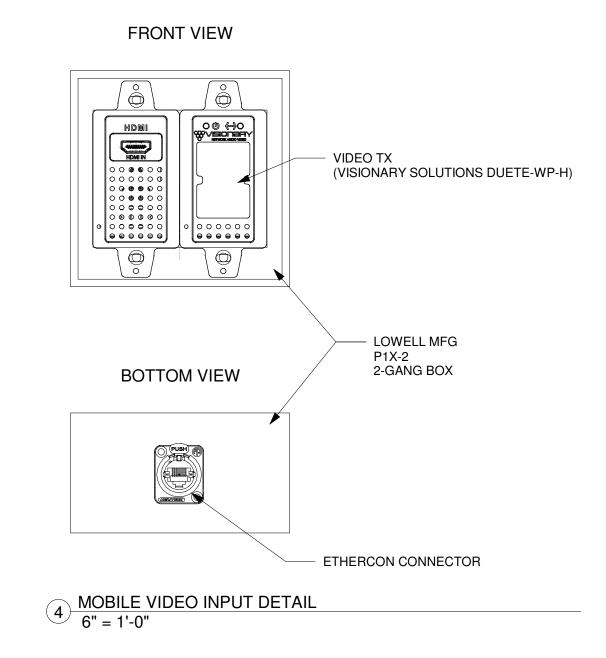


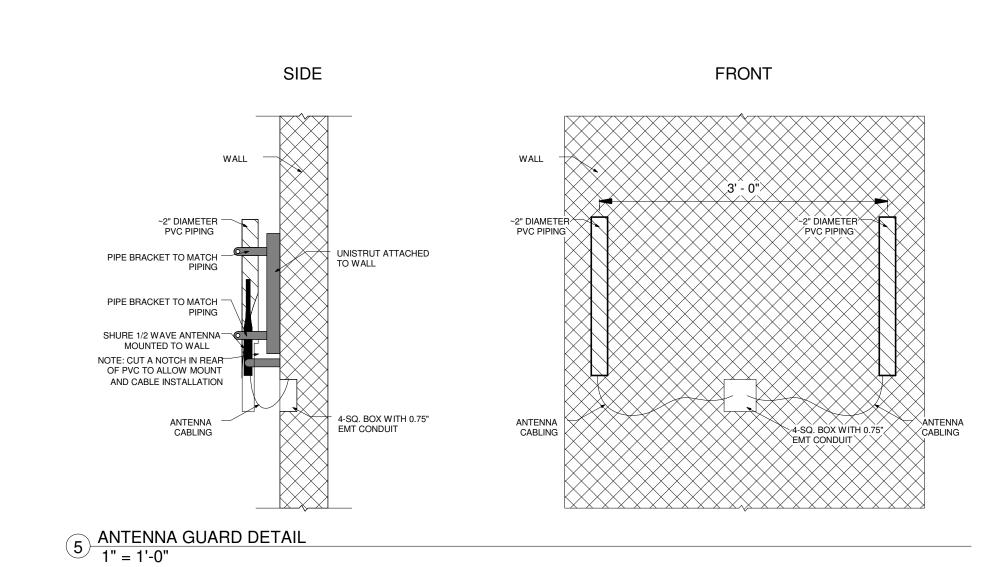
1 AV DETAIL - PLATE LAYOUTS 6" = 1'-0"

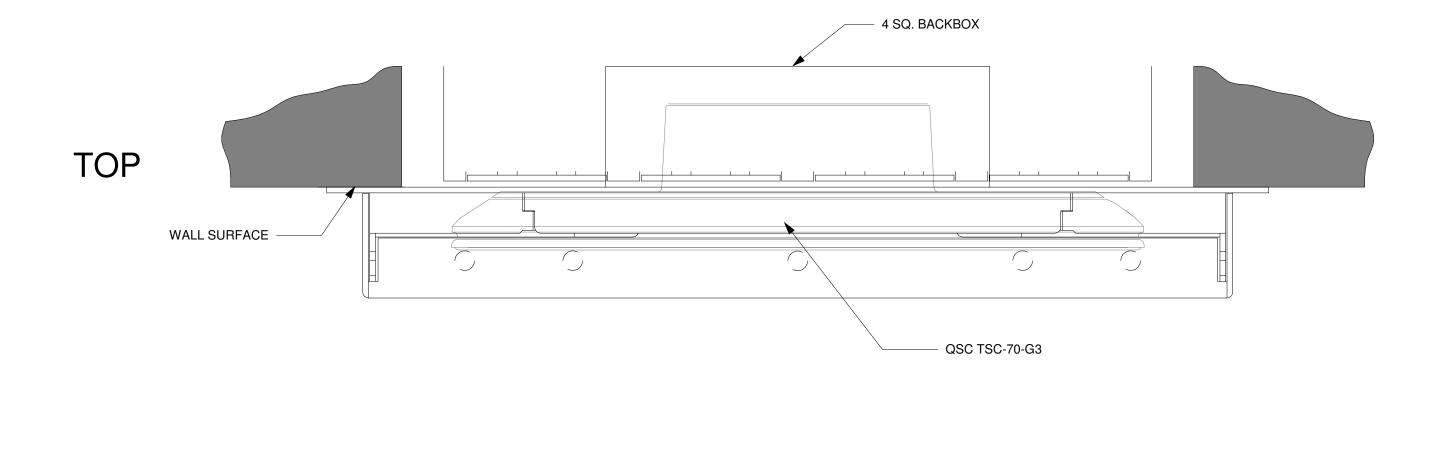
BT-1

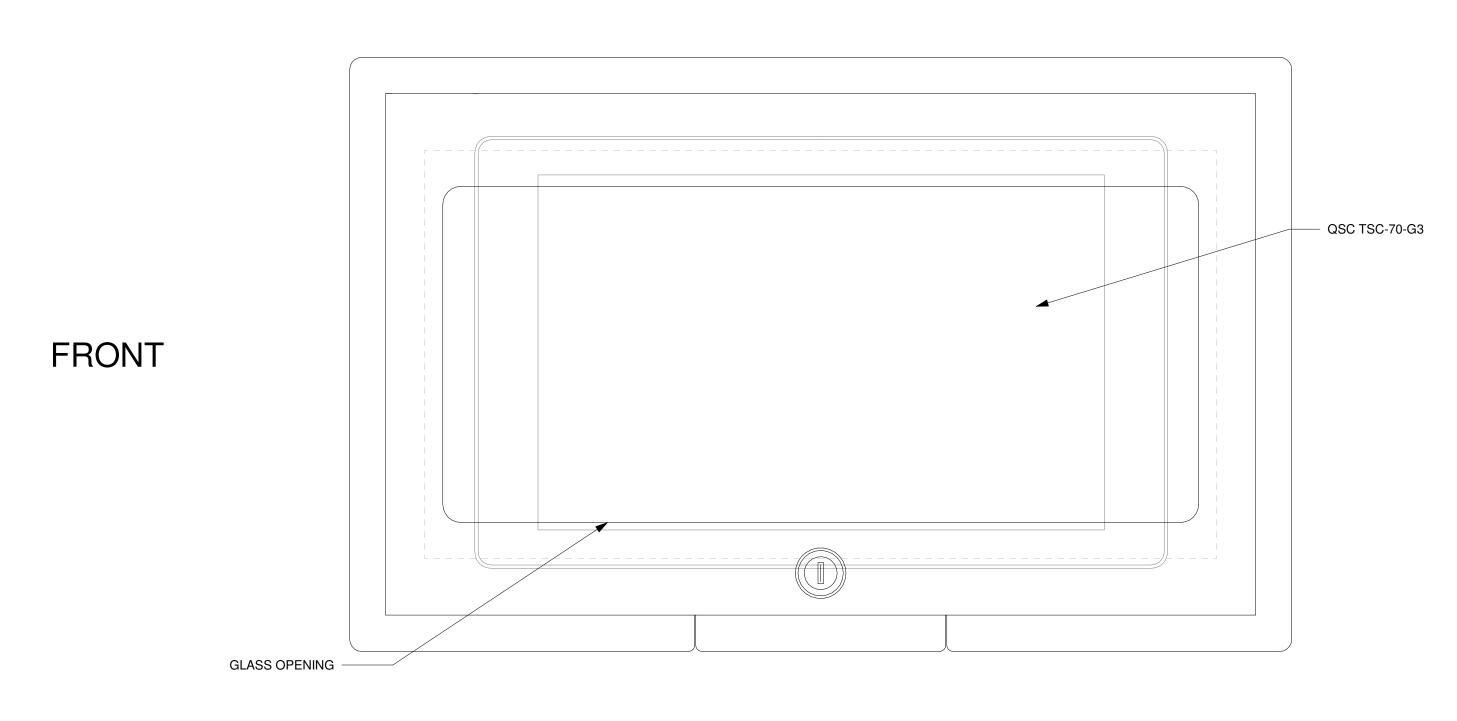












SAVY US STPC-Q-7-B MOUNTED ATOP QSC TSC-70-G3

6 TOUCHPANEL MOUNTING CONCEPT 12" = 1'-0" 616.796.0200
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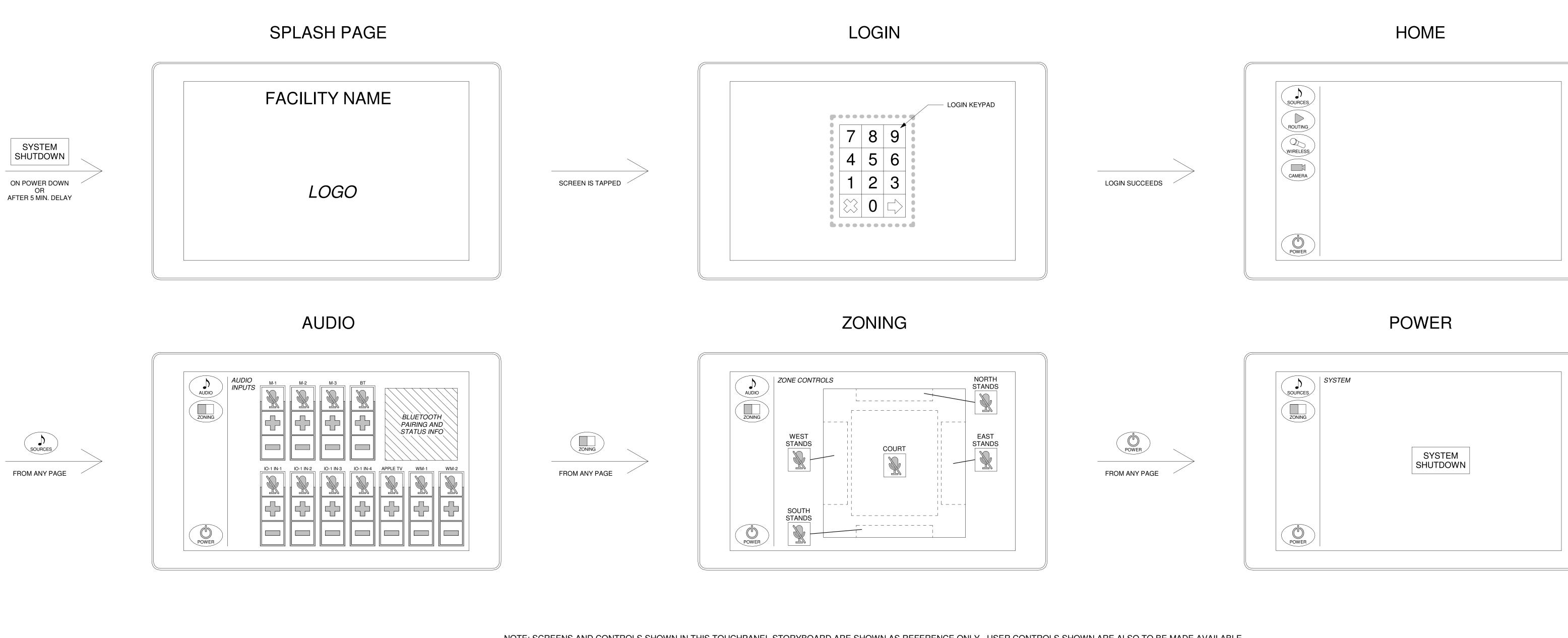
AV DETAILS CONT.

DRAWN ADF

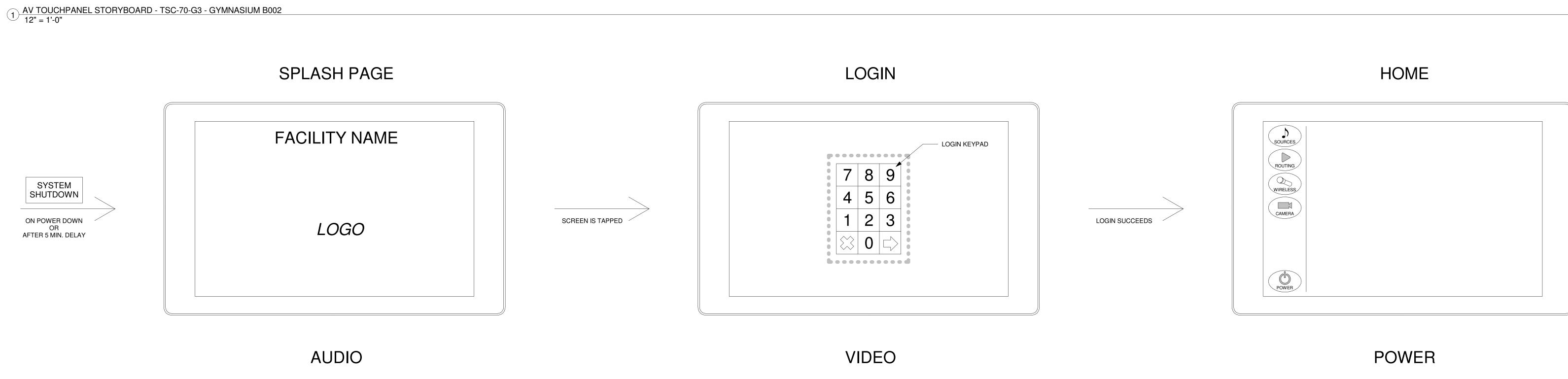
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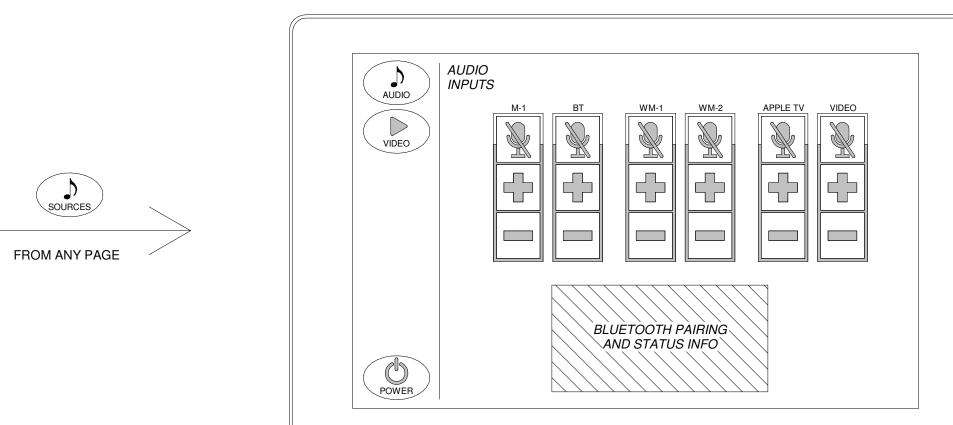
AV TOUCHPANEL STORYBOARD - GYMNASIUMS

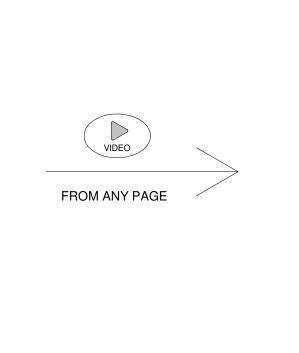
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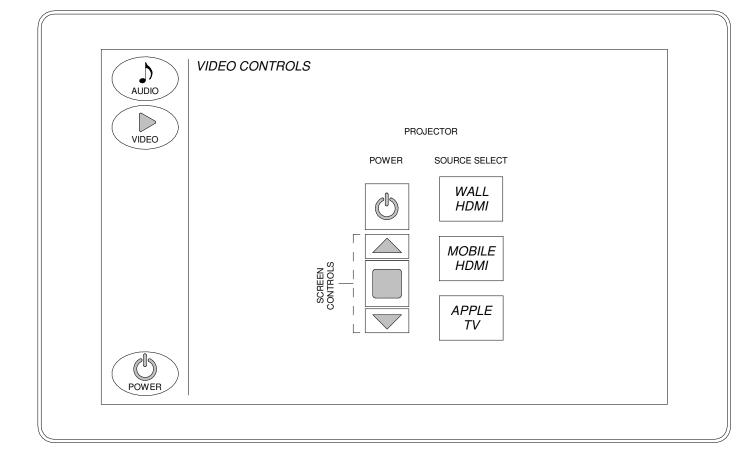


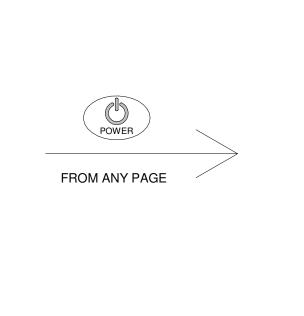
NOTE: SCREENS AND CONTROLS SHOWN IN THIS TOUCHPANEL STORYBOARD ARE SHOWN AS REFERENCE ONLY. USER CONTROLS SHOWN ARE ALSO TO BE MADE AVAILABLE AS A WEBPAGE INTENDED FOR USE ON TABLET DEVICES. COORDINATE FORMATTING AND STYLING OF WEBPAGE INTERFACE TO MIMIC FINAL TOUCHPANEL LAYOUTS.











PROJECTOR

SYSTEM SHUTDOWN

POWER

ISSUANCES

10-9-24 BIDS

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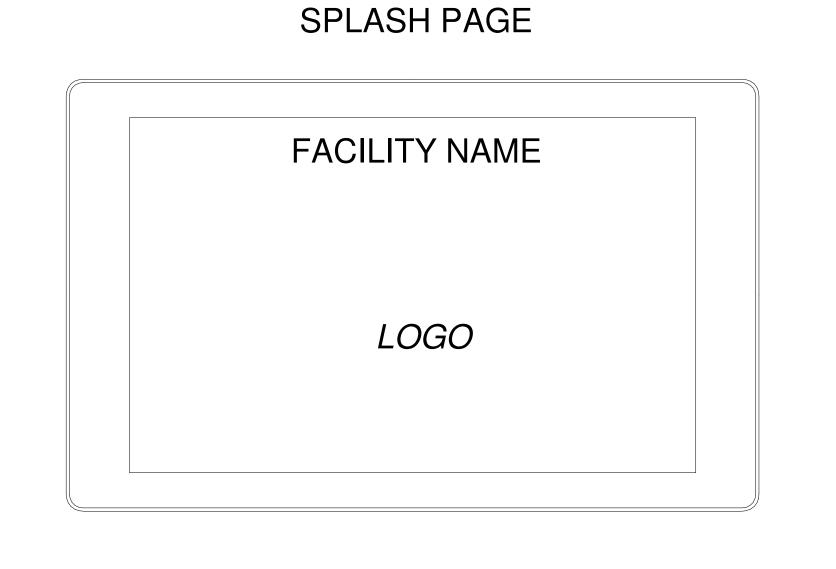
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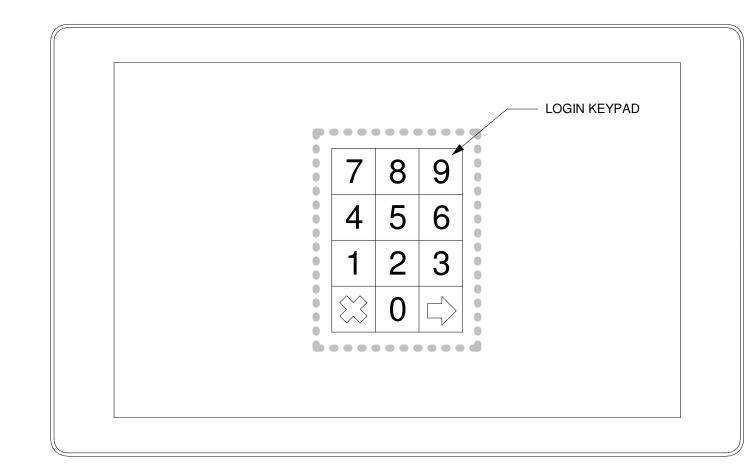
AV TOUCHPANEL STORYBOARD - DRAMA C035,

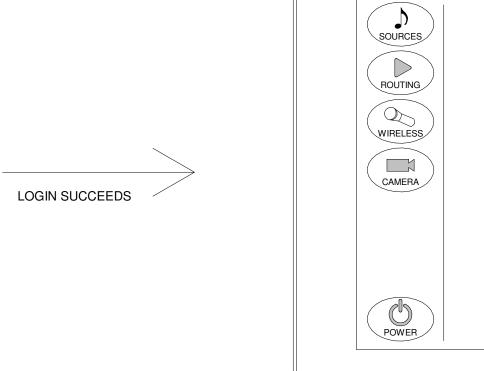
MEDIA CENTER H132

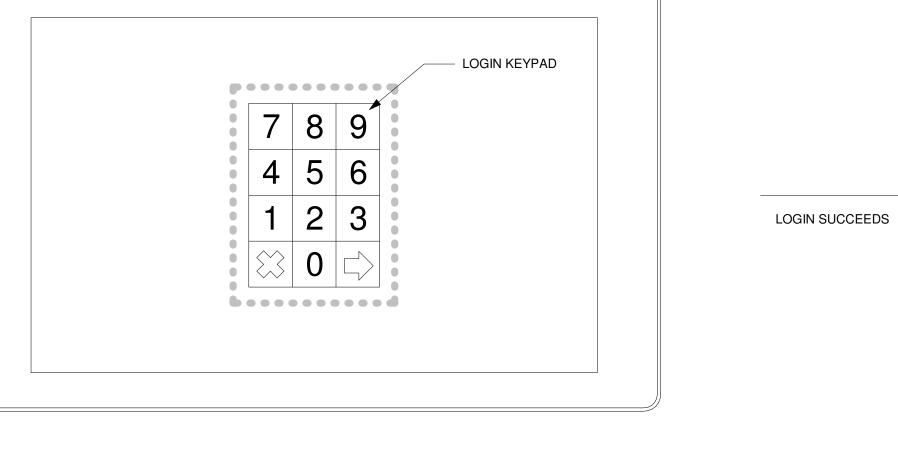
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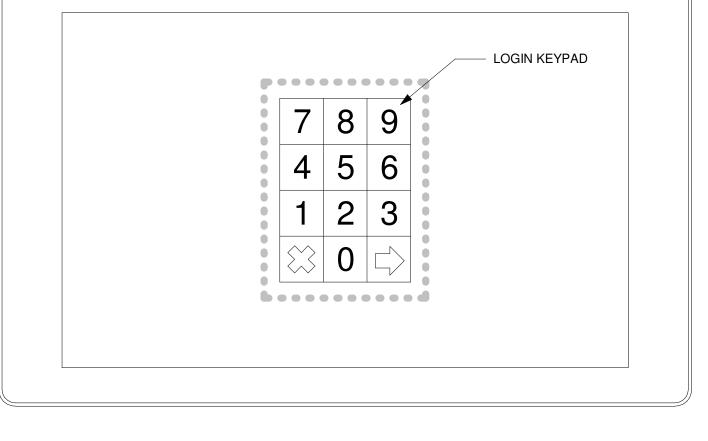
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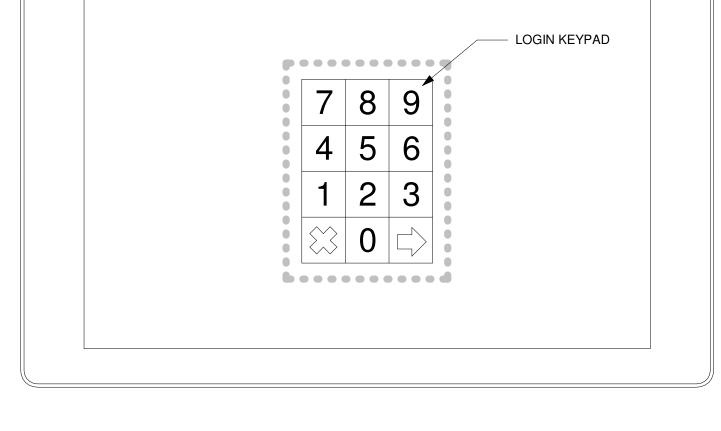




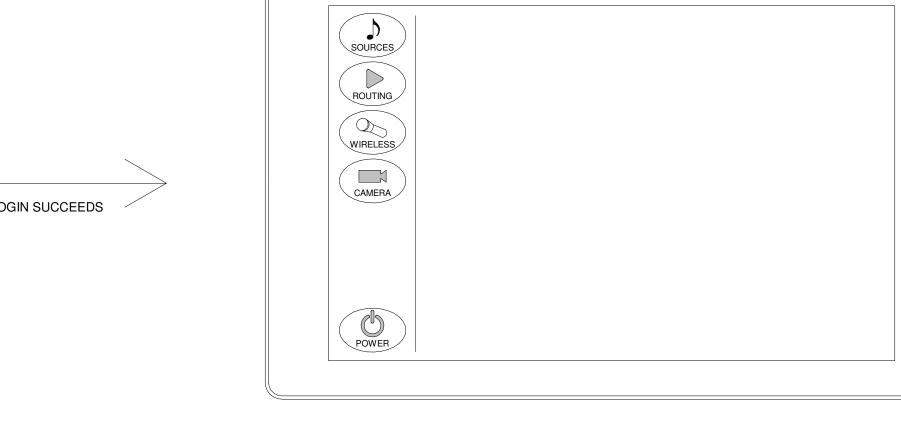


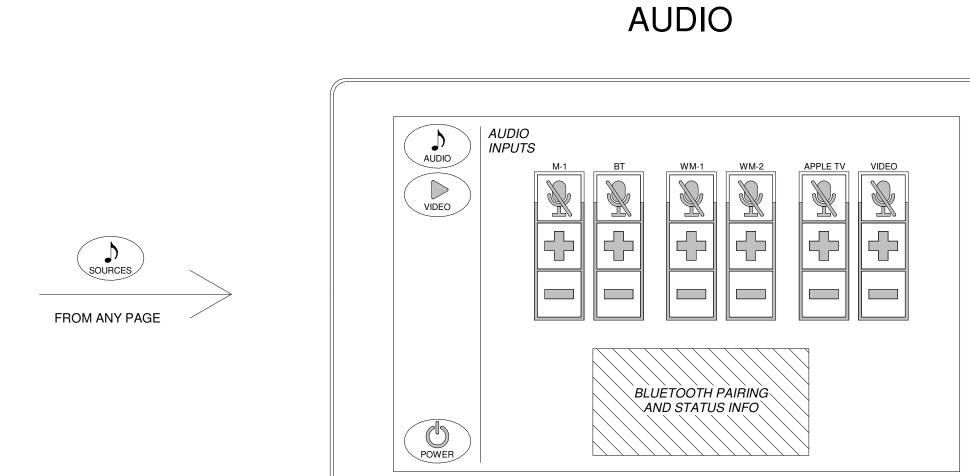


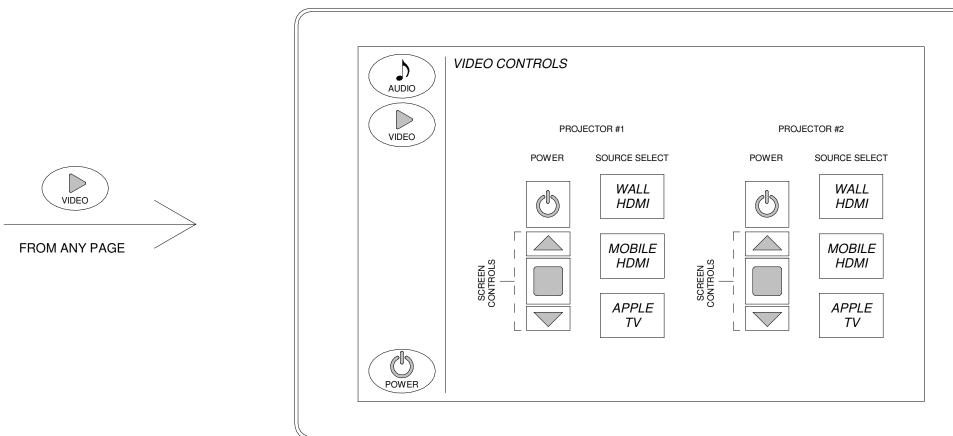
LOGIN

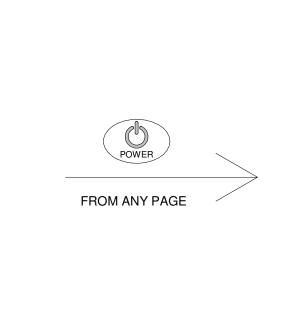


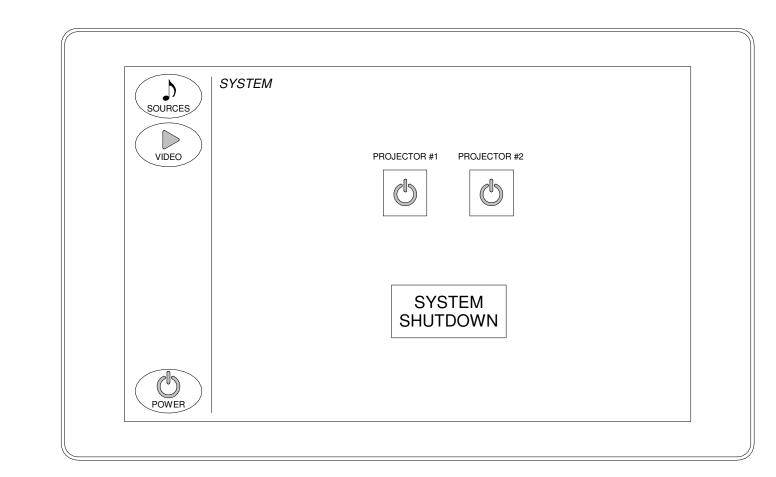
VIDEO









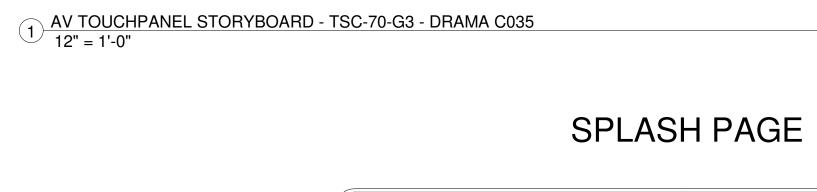


HOME

POWER

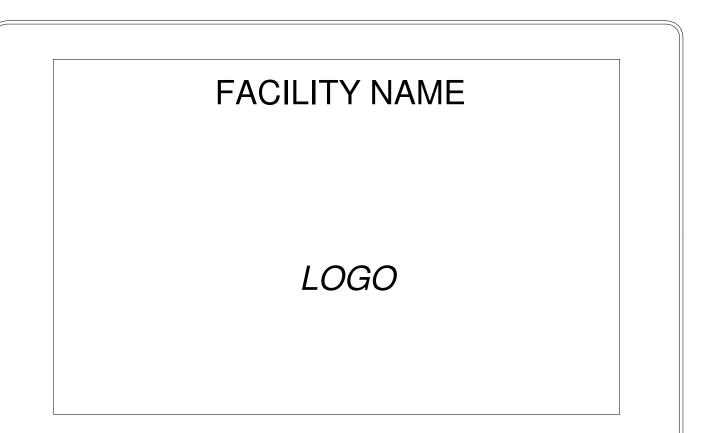
HOME

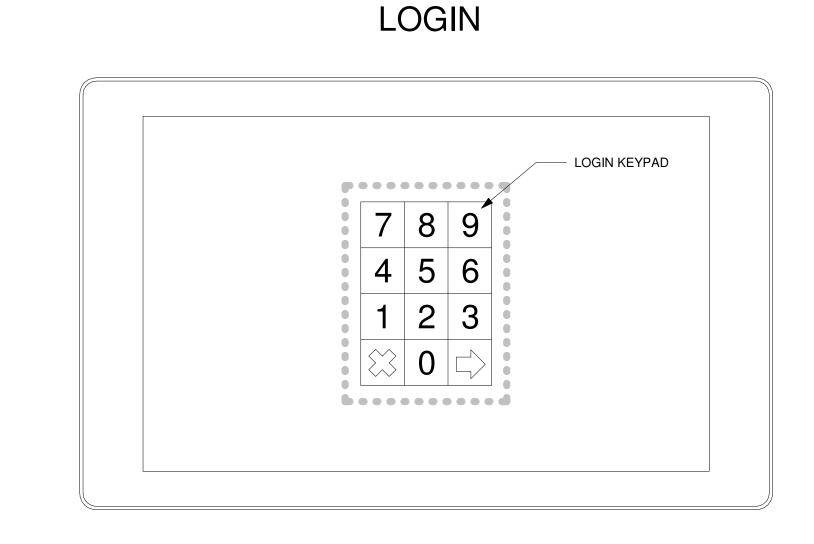
NOTE: SCREENS AND CONTROLS SHOWN IN THIS TOUCHPANEL STORYBOARD ARE SHOWN AS REFERENCE ONLY. USER CONTROLS SHOWN ARE ALSO TO BE MADE AVAILABLE AS A WEBPAGE INTENDED FOR USE ON TABLET DEVICES. COORDINATE FORMATTING AND STYLING OF WEBPAGE INTERFACE TO MIMIC FINAL TOUCHPANEL LAYOUTS.

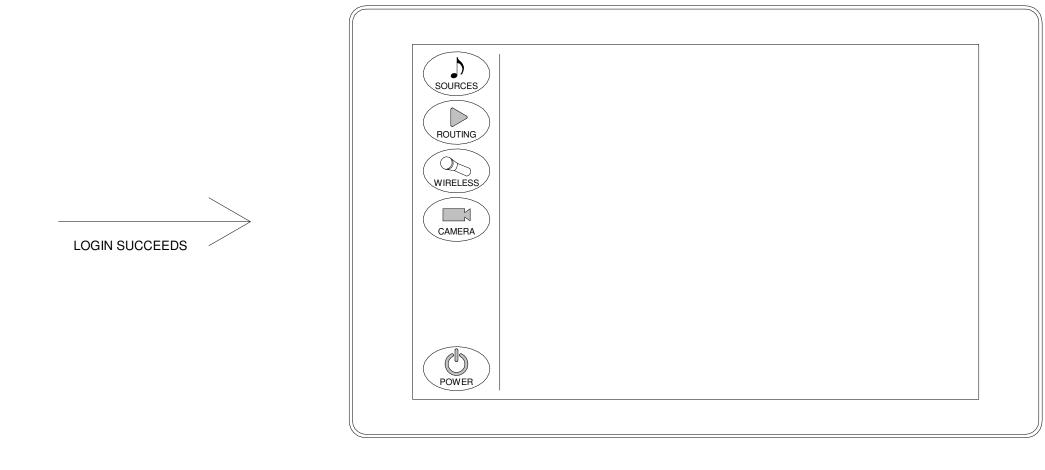


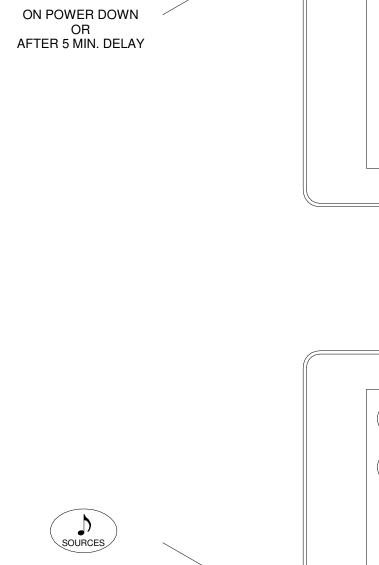
SYSTEM SHUTDOWN

ON POWER DOWN OR AFTER 5 MIN. DELAY



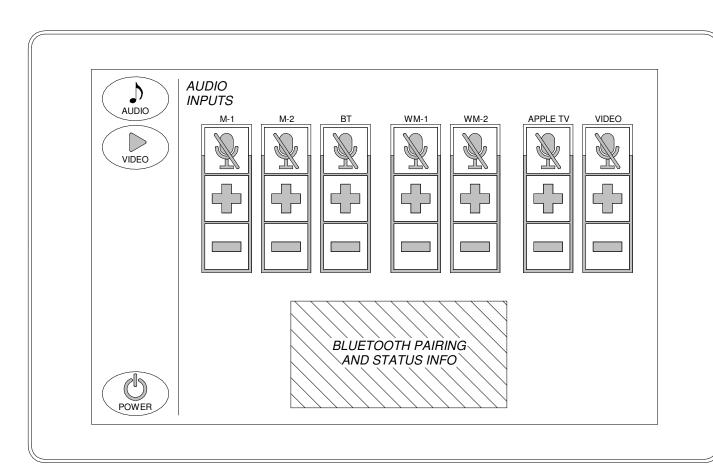




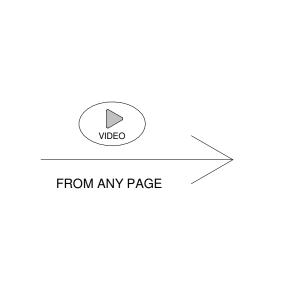


SYSTEM SHUTDOWN

FROM ANY PAGE

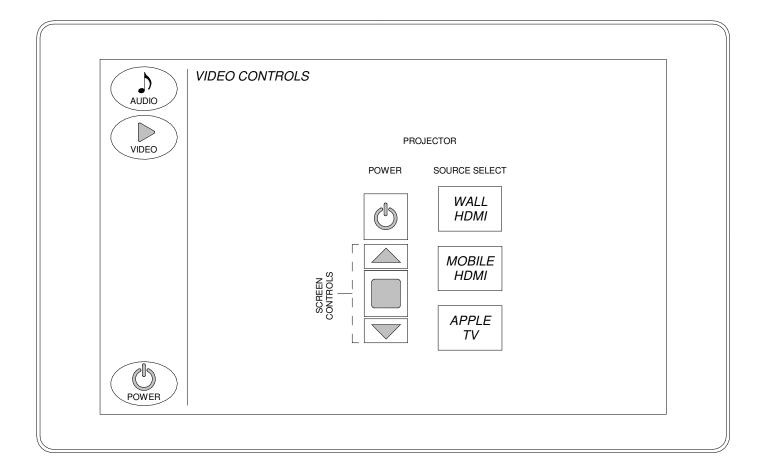


AUDIO

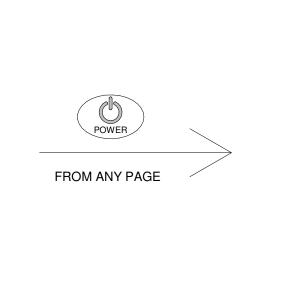


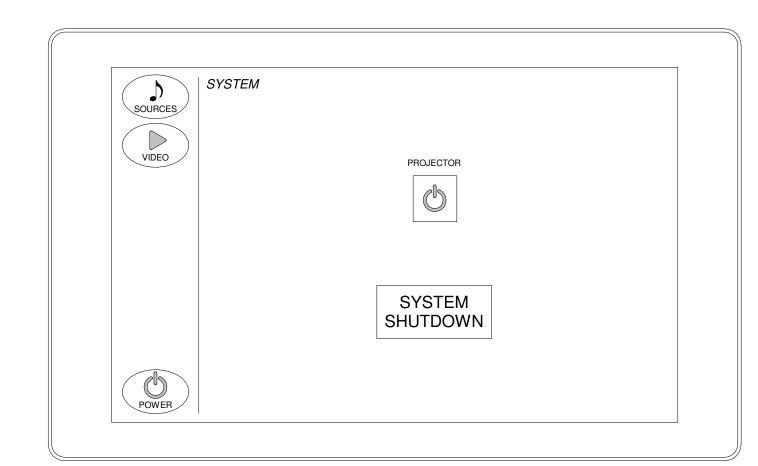
SCREEN IS TAPPED

SCREEN IS TAPPED



VIDEO



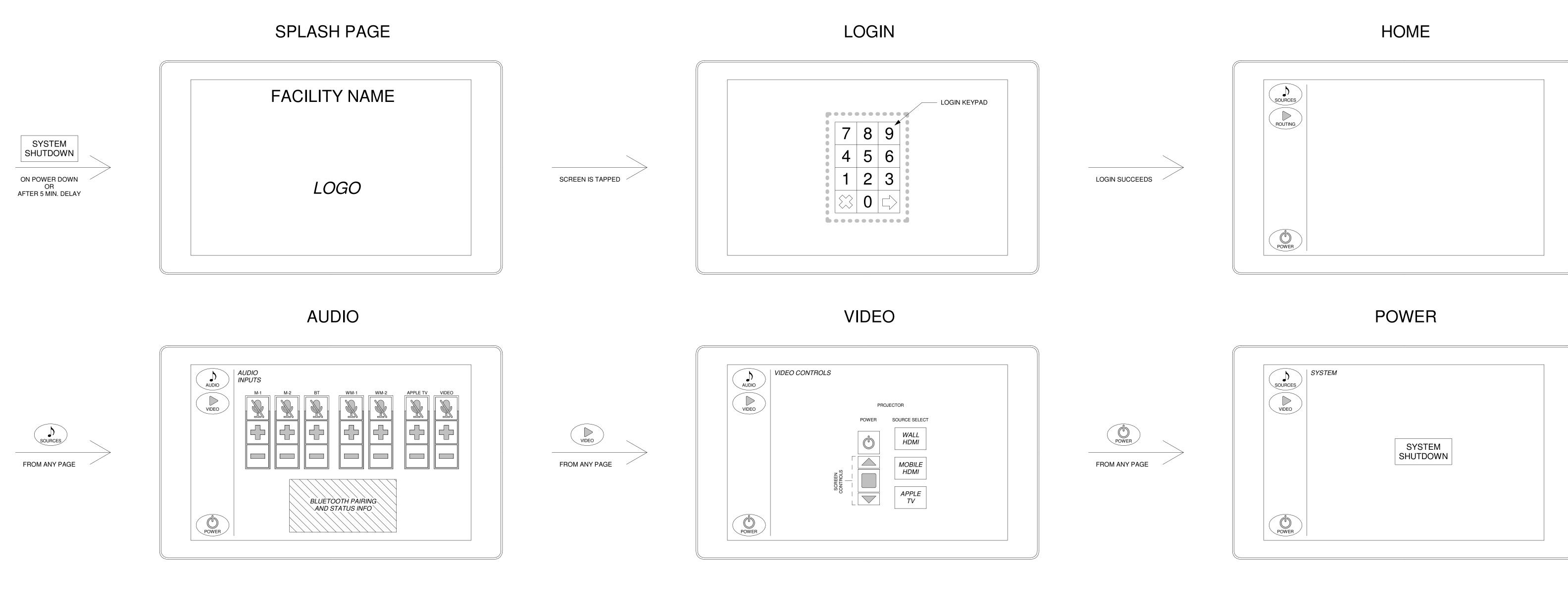


POWER

NOTE: SCREENS AND CONTROLS SHOWN IN THIS TOUCHPANEL STORYBOARD ARE SHOWN AS REFERENCE ONLY. USER CONTROLS SHOWN ARE ALSO TO BE MADE AVAILABLE AS A WEBPAGE INTENDED FOR USE ON TABLET DEVICES. COORDINATE FORMATTING AND STYLING OF WEBPAGE INTERFACE TO MIMIC FINAL TOUCHPANEL LAYOUTS.

10-9-24 BIDS

AV TOUCHPANEL STORYBOARD - CAFETERIA J127, J132 **TA405**



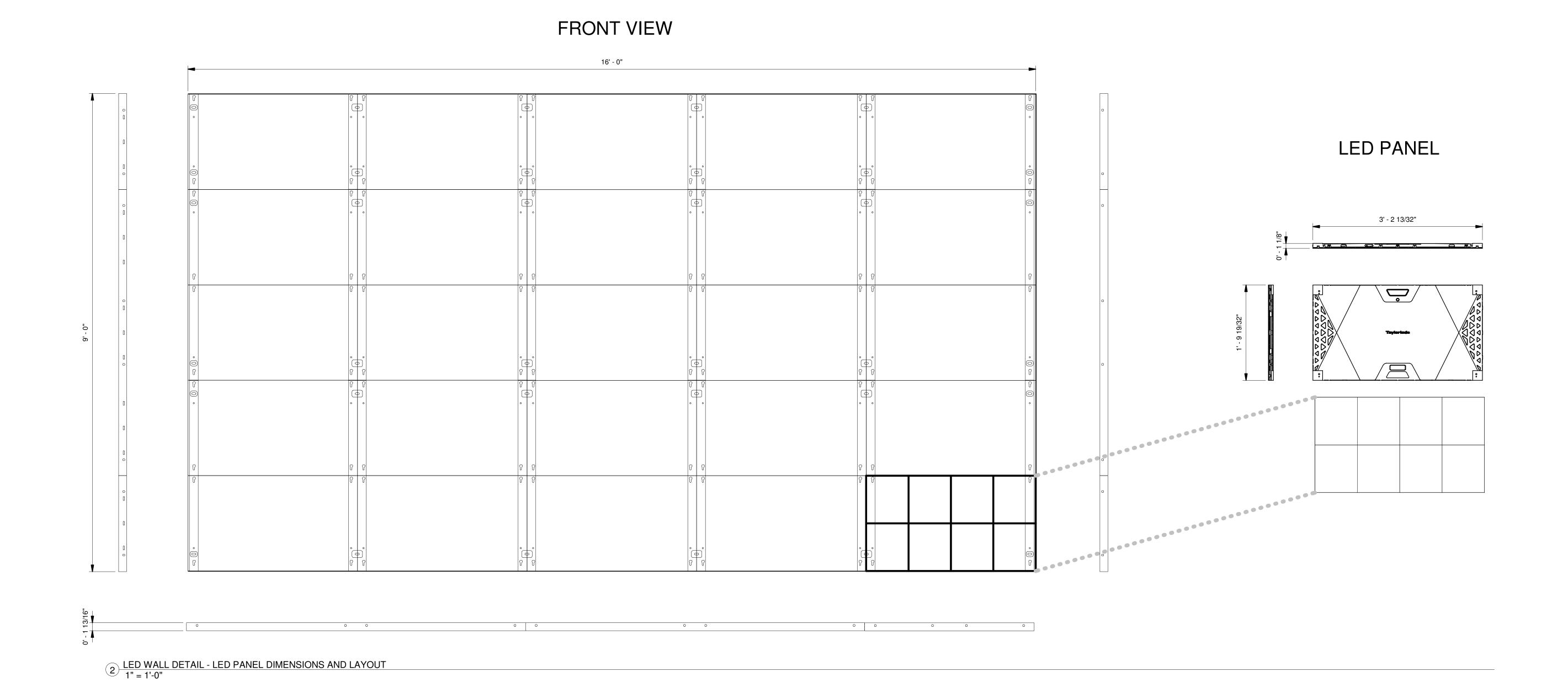
NOTE: WIRELESS MICS ARE TO BE AVAILABLE IN BOTH CAFETERIAS - ALL OTHER INPUTS AND DEVICES ARE TO BE MADE AVAILABLE TO THE TOUCHPANEL LOCAL TO EACH CAFETERIA ONLY.

FRONT VIEW

SIDE VIEW

PROVIDED TO THE PROPERTY VIEW INTO WAR AND THE PROPERTY VIEW INTO WAR

1 LED WALL DETAIL - MOUNTING FRAME DIMENSIONS & DETAIL 1" = 1'-0"



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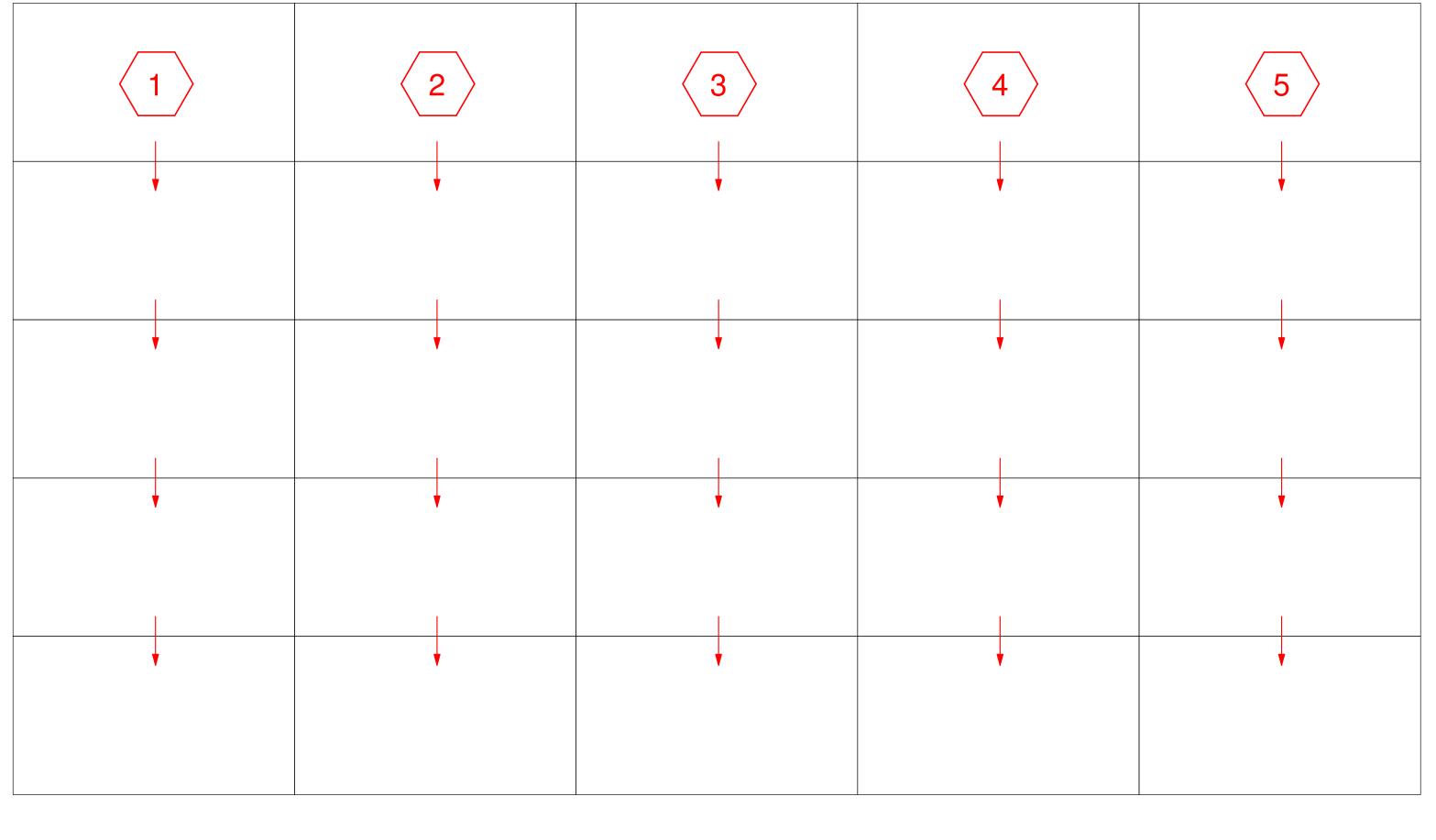
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AV DETAILS - LED WALL

10-9-24 BIDS

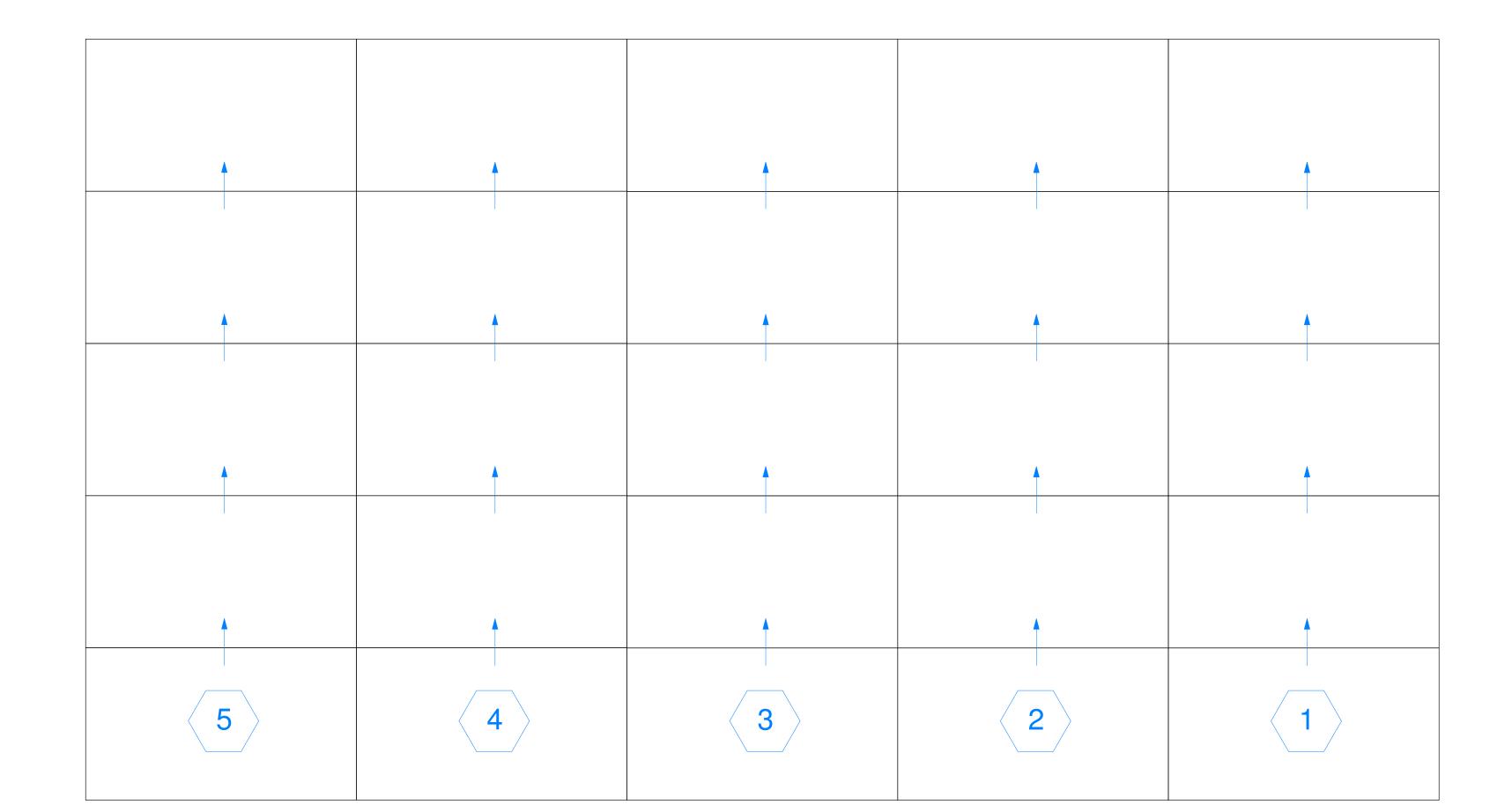
AV DETAILS - LED WALL CONT.



TOTAL POWER: 5x DEDICATED 120V/20A CIRCUITS - NEMA 5-15 DUPLEX RECEPTACLE

NOTES:
- CIRCUITS AND RECEPTACLES TO BE PROVIDED AND INSTALLED BY EC.
- RECEPTACLES TO BE PROVIDED BEHIND LED WALL AT THE LOCATIONS SHOWN.

1 LED WALL DETAIL - POWER WIRING 1" = 1'-0"

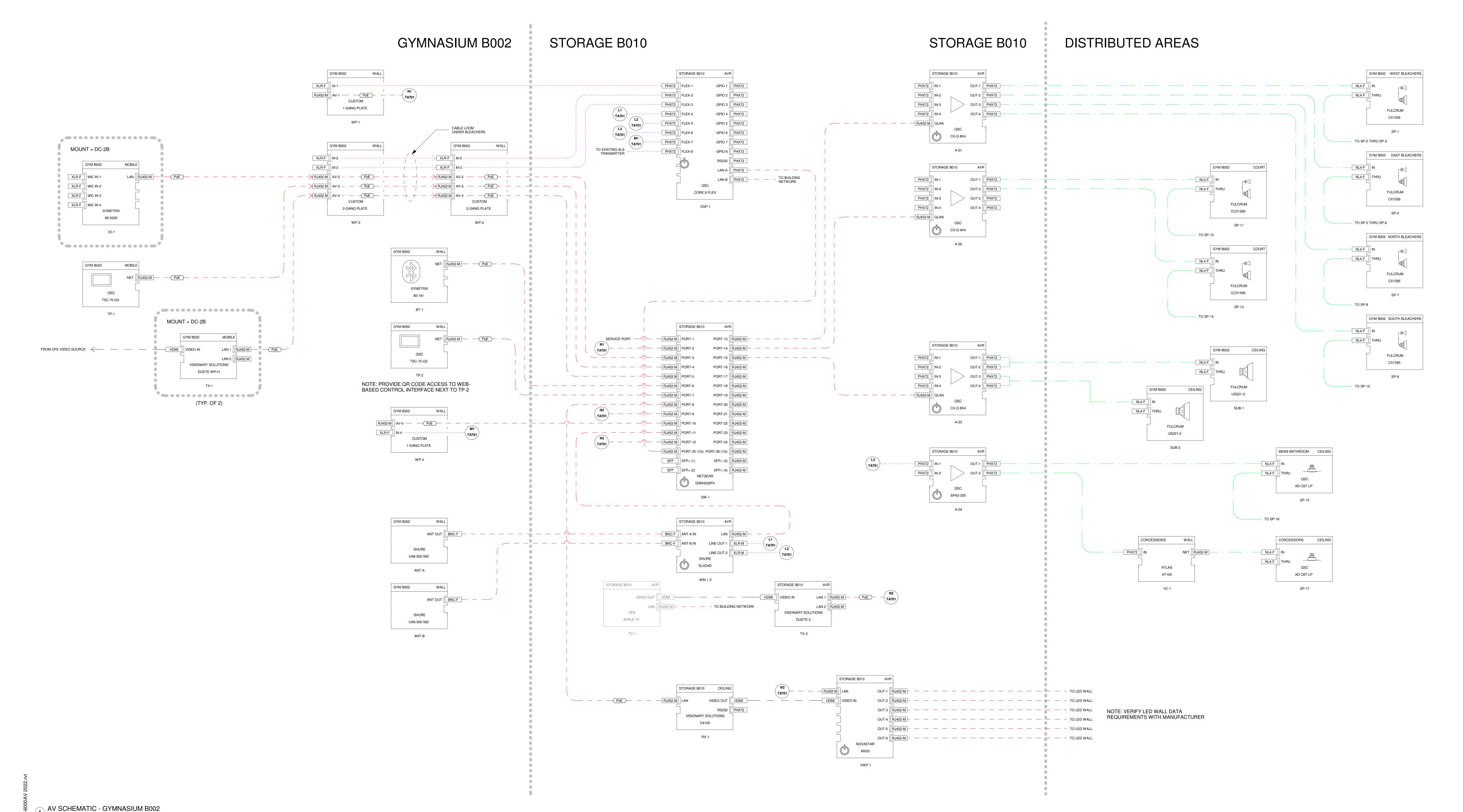


TOTAL DATA: 5x DEDICATED CATxx PULLED TO LED PROCESSING

NOTES:
- WIRING AND CABLE PATH PROVIDED BY EC.
- CABLE PATH TO BE PROVIDED TO LED WALL AT THE LOCATIONS SHOWN.

2 LED WALL DETAIL - DATA WIRING 1" = 1'-0"

SCHO



NOT TO SCALE

ISSUANCES 10-9-24 BIDS

DRAWN ADF
REVIEWED TGH

LINE/MIC WIRE

CONTROL WIRE

— - — - — SPEAKER WIRE

SCHEMATIC LINE TYPES - AV

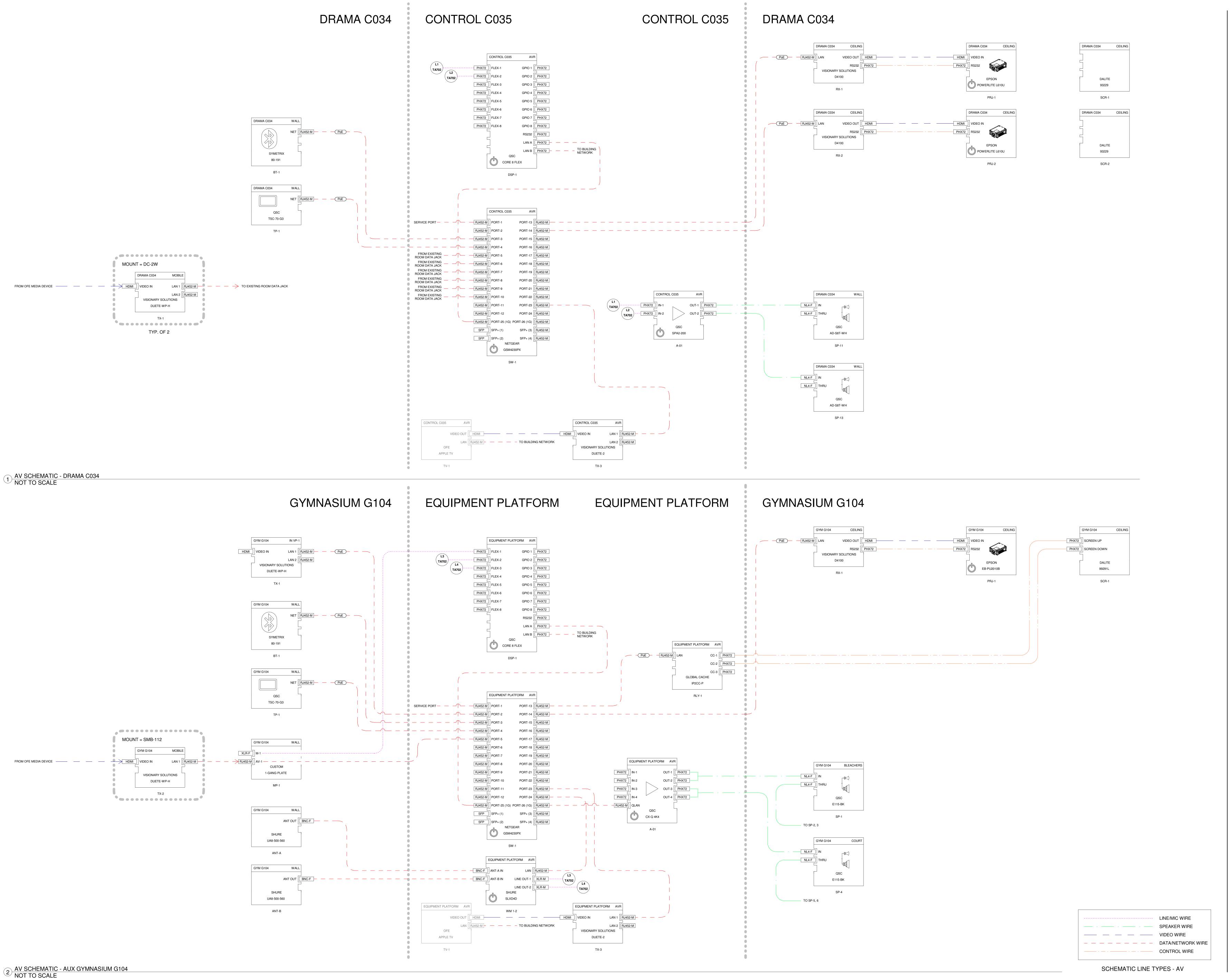
— — — — — DATA/NETWORK WIRE

PROJECT NO. 5-6000

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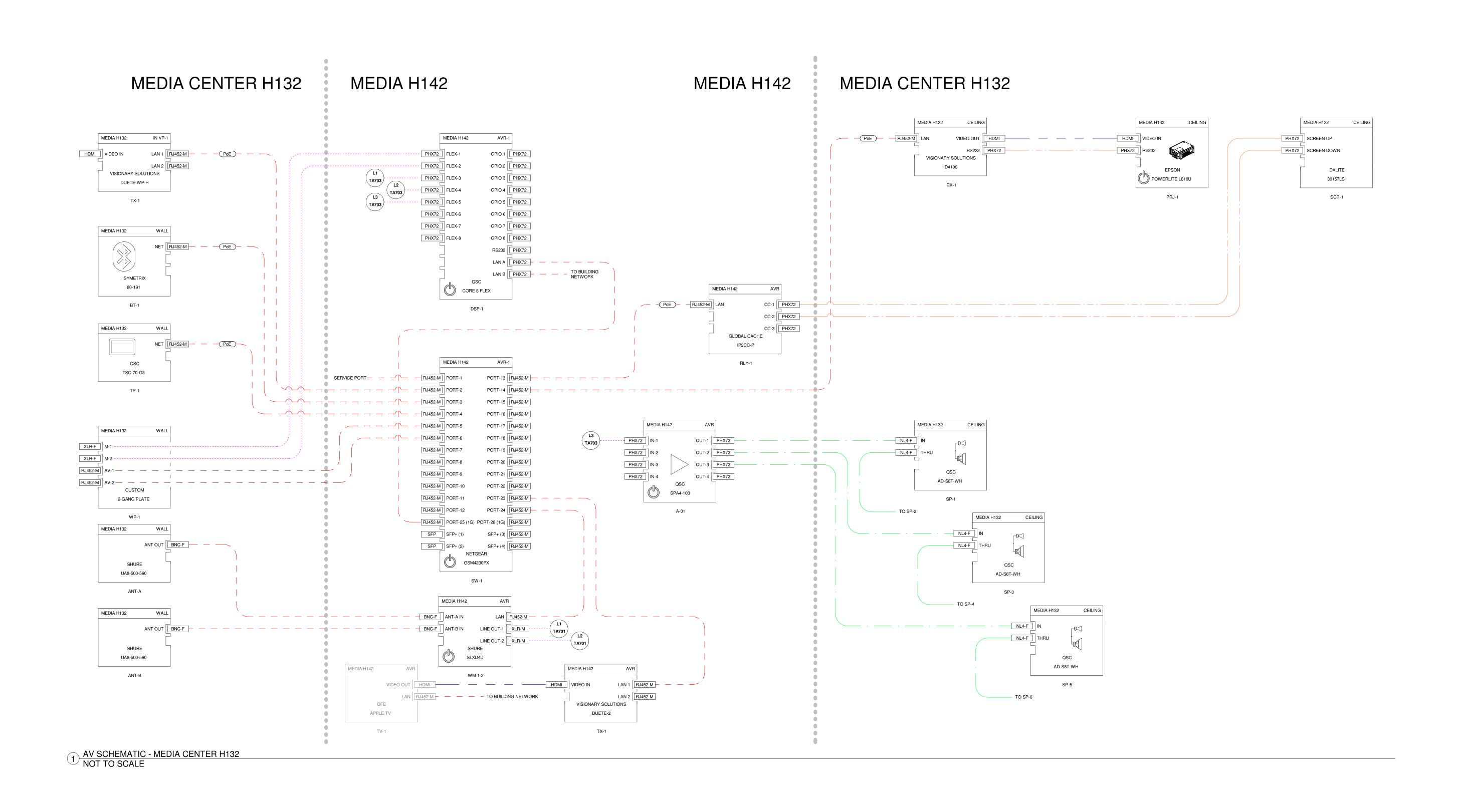
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LINE/MIC WIRE SPEAKER WIRE

_ _ _ _ _ _ _ DATA/NETWORK WIRE

SCHEMATIC LINE TYPES - AV



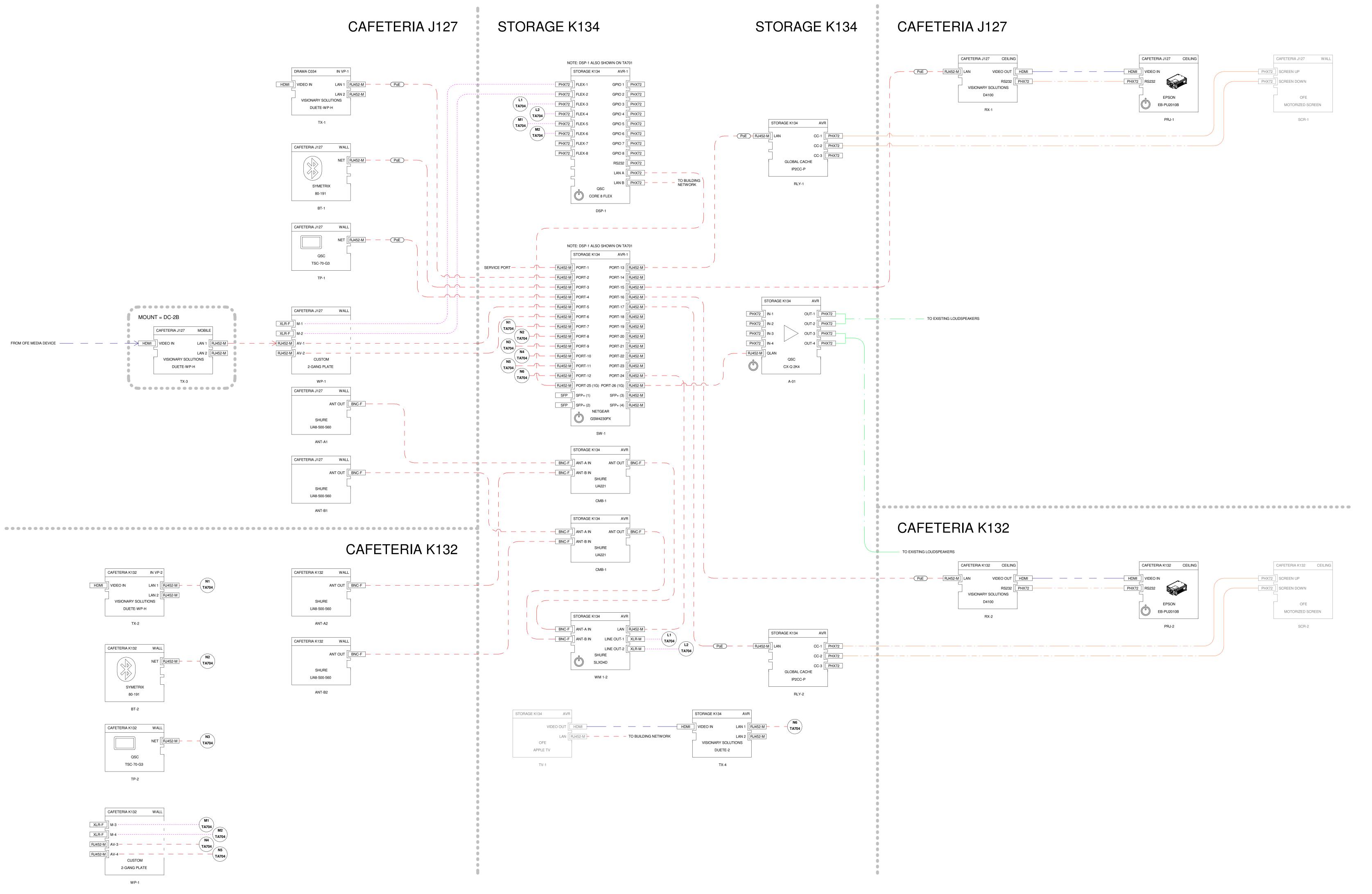
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1 AV SCHEMATIC - CAFETERIA J127, K132 NOT TO SCALE

SCHEMATIC LINE TYPES - AV