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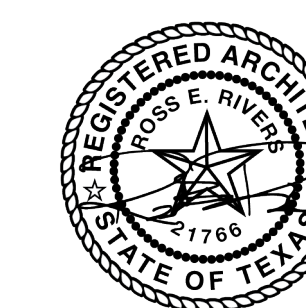
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MIDLOTHIAN ISD
MIDLOTHIAN, TEXAS

Midlothian Heritage High School - Phase 2



04/23/2020

ISSUED: April 23, 2020

REVISIONS

Revision No. Revision Date

Director
RER
Designer
ET
Proj. Arch.
ARM/DAS

Drawn By
WJHW
Quality Control
DVV

PROJECT NO.

1919.00

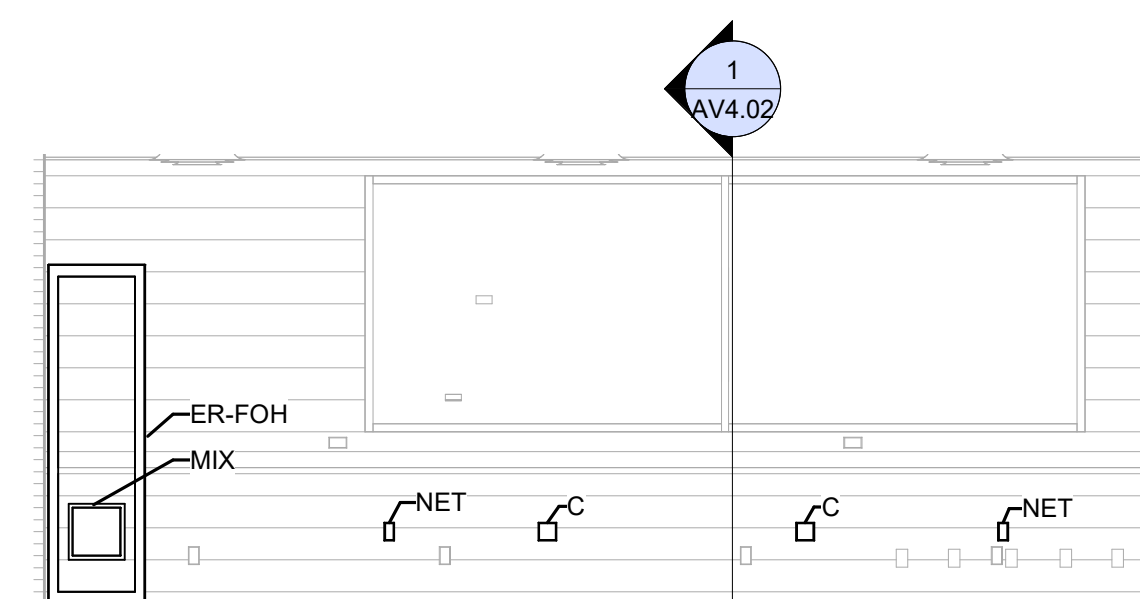
SHEET TITLE

AUDITORIUM SECTIONS
AND ELEVATIONS

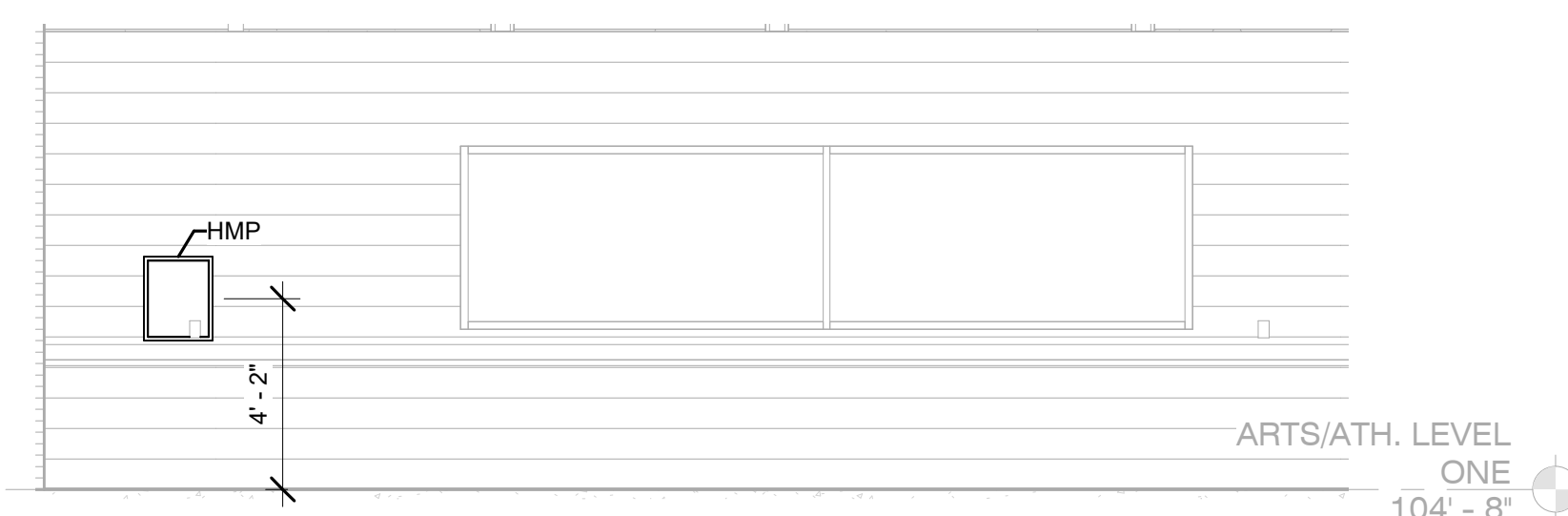
SHEET NO.

AV4.01

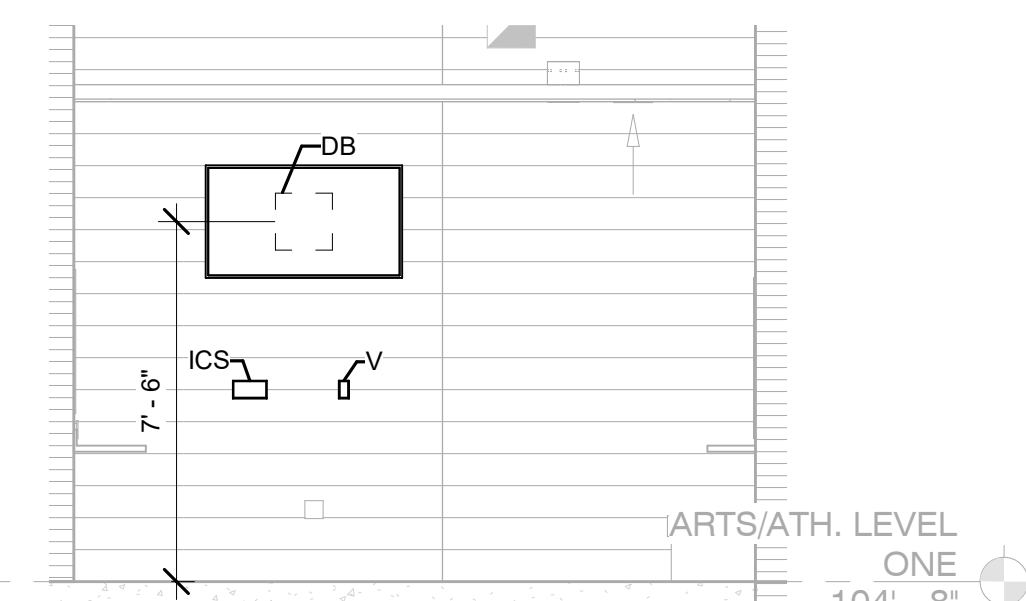
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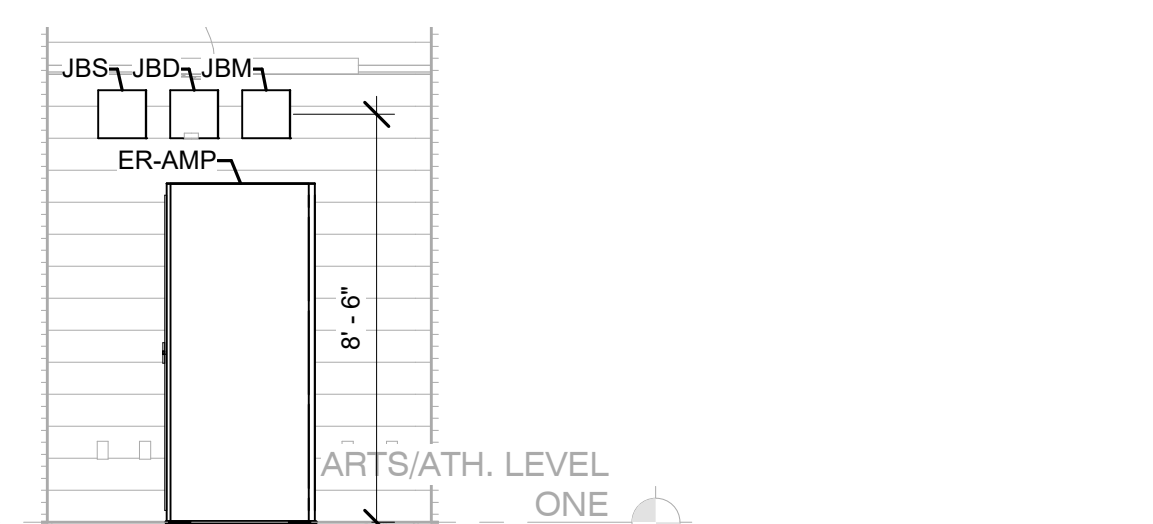
7 AUDITORIUM CONTROL ROOM ELEVATION
SCALE: 1/4" = 1'-0"



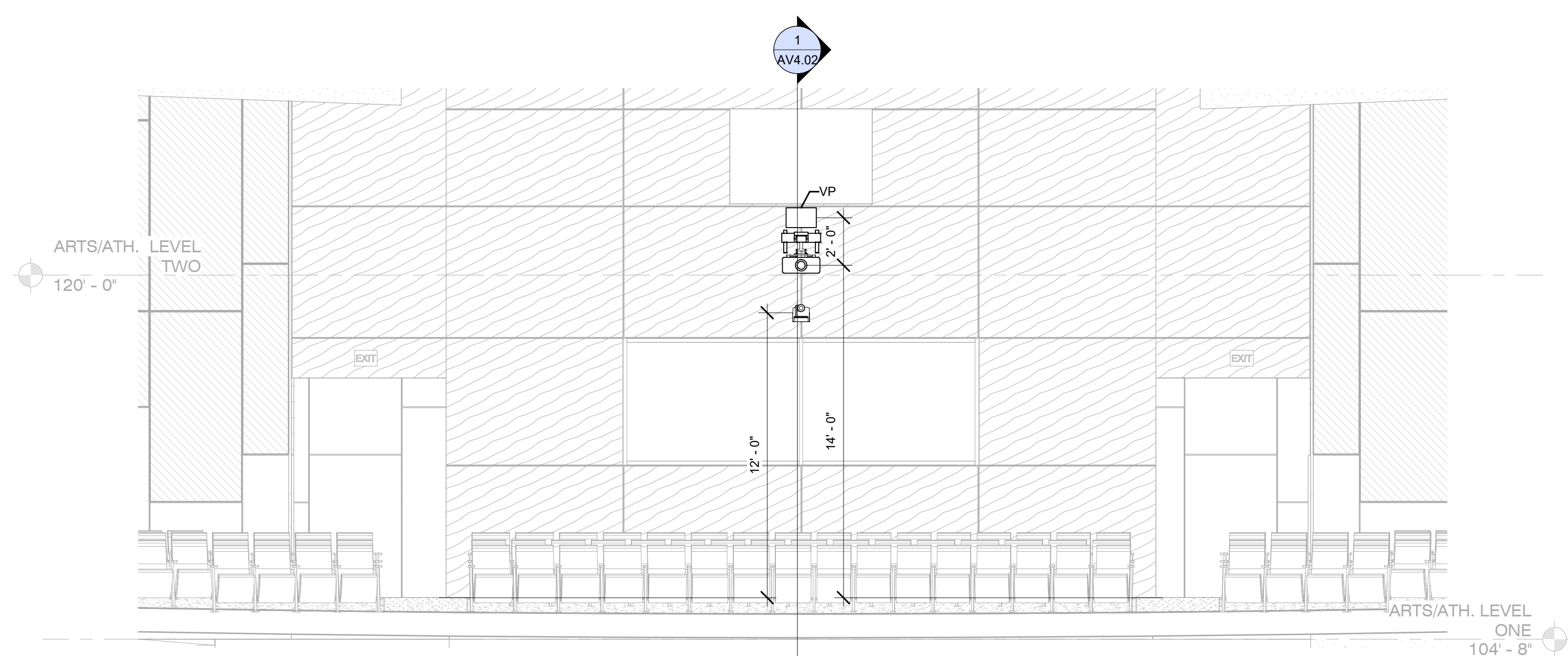
5 TICKET BOOTH ELEVATION
SCALE: 1/4" = 1'-0"



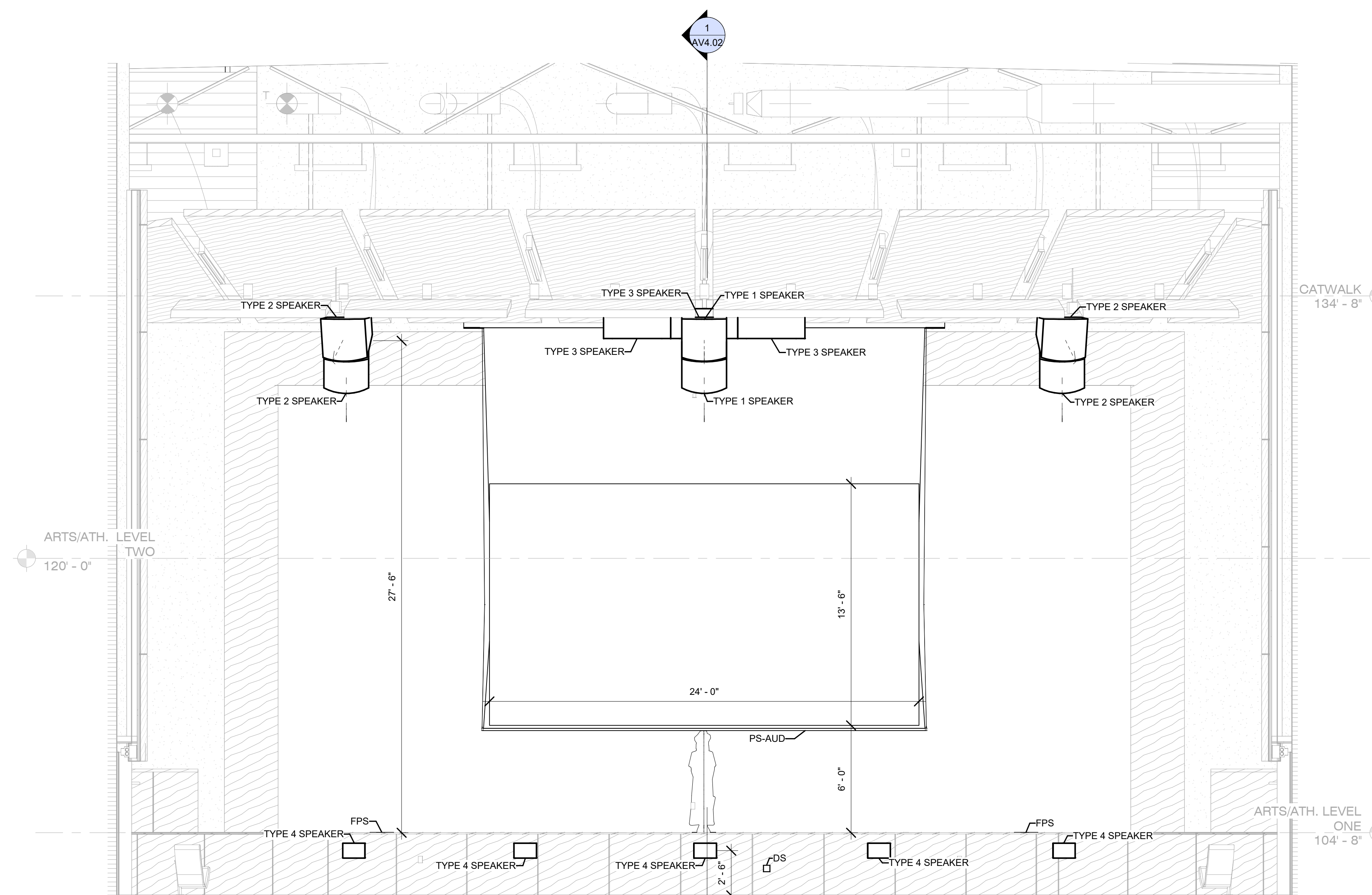
6 DRESSING ROOM ELEVATION TYPICAL
SCALE: 1/4" = 1'-0"



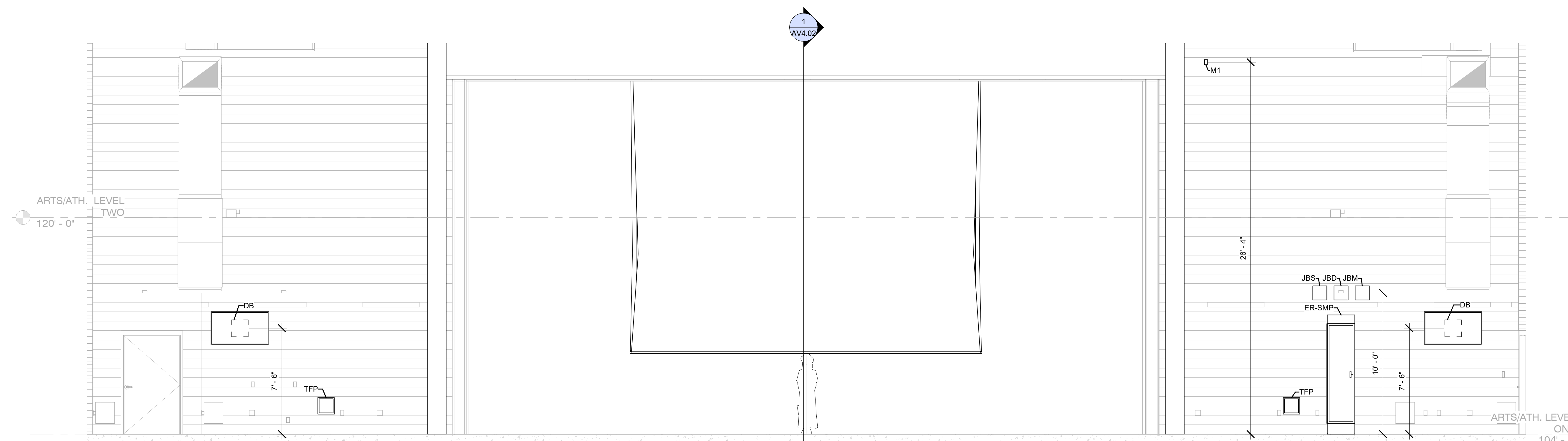
4 AUDITORIUM AMPLIFIER ROOM ELEVATION
SCALE: 1/4" = 1'-0"



3 AUDITORIUM REAR ELEVATION
SCALE: 1/4" = 1'-0"



2 AUDITORIUM FRONT ELEVATION
SCALE: 1/4" = 1'-0"



1 AUDITORIUM DOWN STAGE ELEVATION
SCALE: 1/4" = 1'-0"



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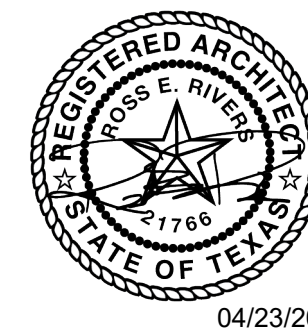
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SHEET TITLE

FIRE SAFETY CURTAIN
SYSTEM

SHEET NO.

TR0.02

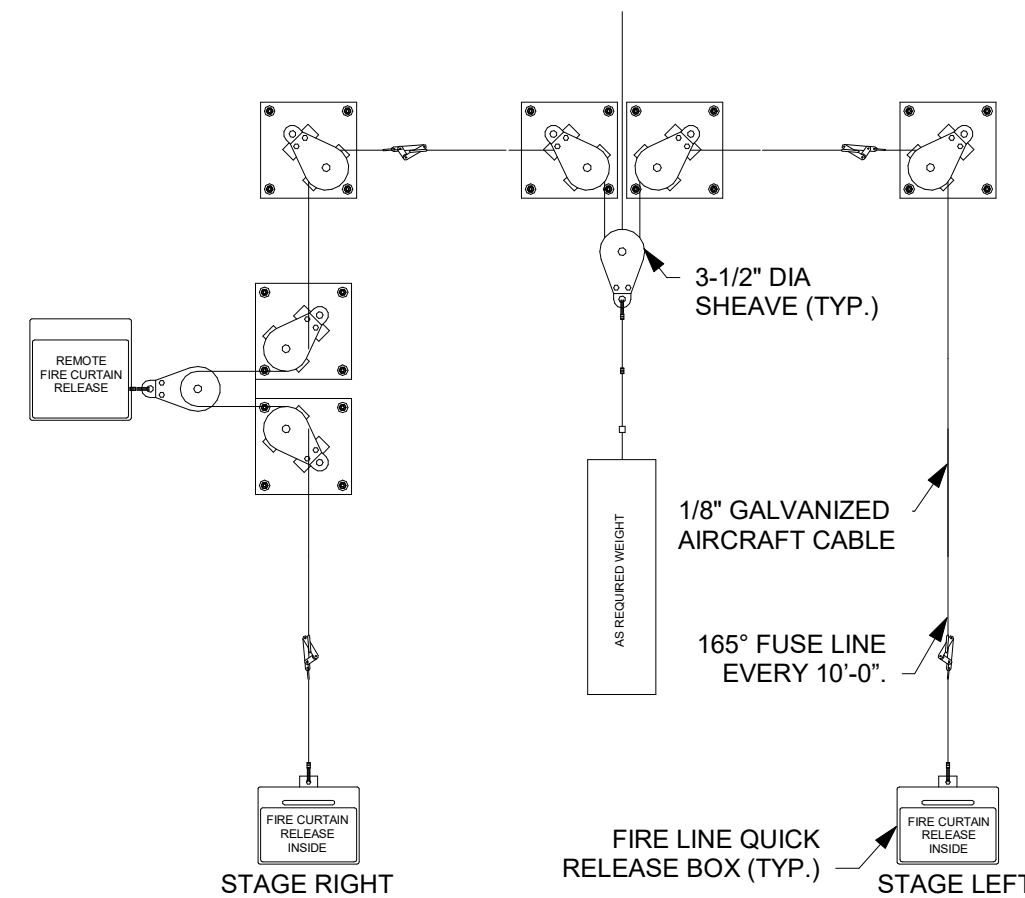
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GENERAL NOTES

FIRE CURTAIN IS PART OF A SYSTEM FOR FIRE AND SMOKE SUPPRESSION. VERIFY ALL INTEGRATION REQUIREMENTS WITH ARCHITECT AND WITH BUILDING FIRE DETECTION SYSTEMS DESIGNER.

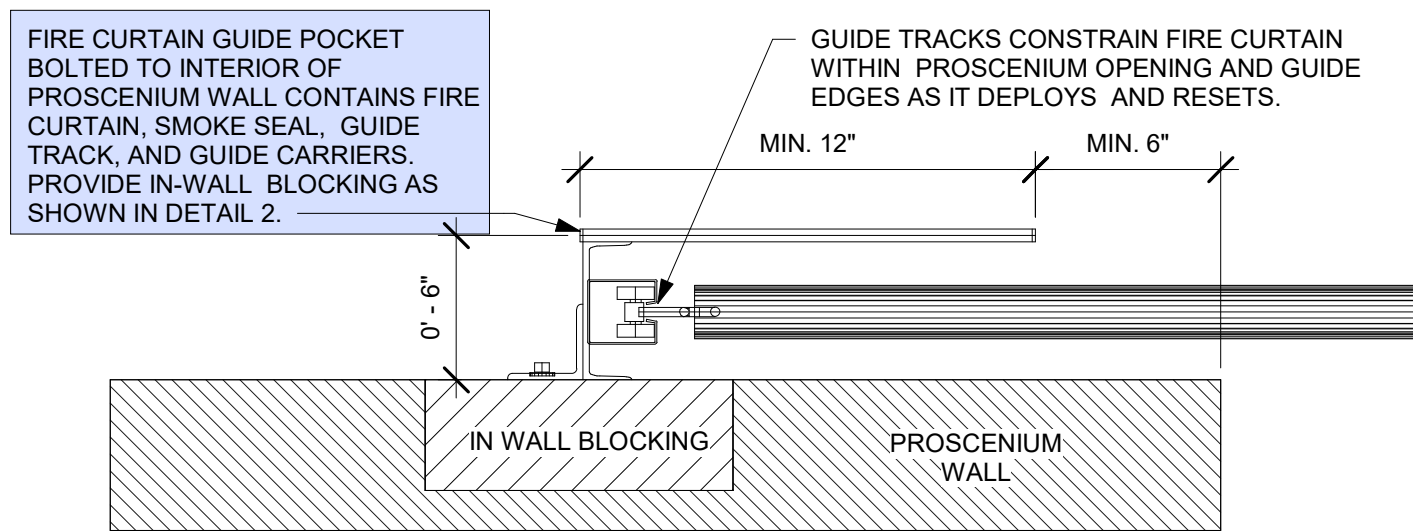
COMPONENTS TO ALLOW THE EMERGENCY RELEASE OF THE CURTAIN SHALL BE INSTALLED SO AS TO COMPLY WITH ALL RELEVANT BUILDING AND LIFE-SAFETY CODES PER THE AHJ. THIS INCLUDES INTEGRATION WITH RATE-OF-RISE HEAT DETECTORS AND THE BUILDING'S FIRE DETECTION SYSTEMS.

PROVIDE CONTROL STATION FOR MOTORIZED NON-EMERGENCY OPERATION LOCATED PER PLAN. OPERATOR STATION SHALL PROVIDE THREE-BUTTON LATCHING ACTION: PUSH-TO-START "UP," PUSH-TO-START "DOWN" AND "STOP."



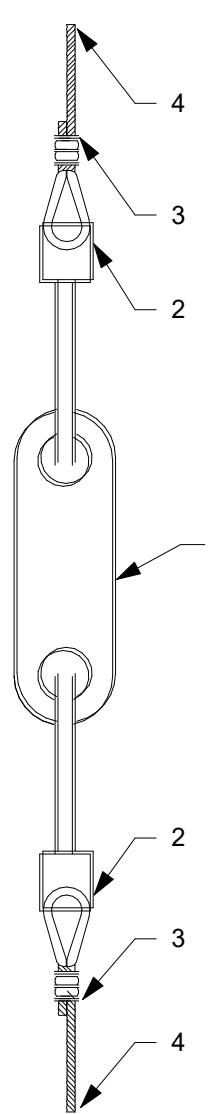
4 COMPLETE TRIP MECHANISM

SCALE: 6" = 1'-0"



3 PLAN-VERTICAL GUIDE POCKET

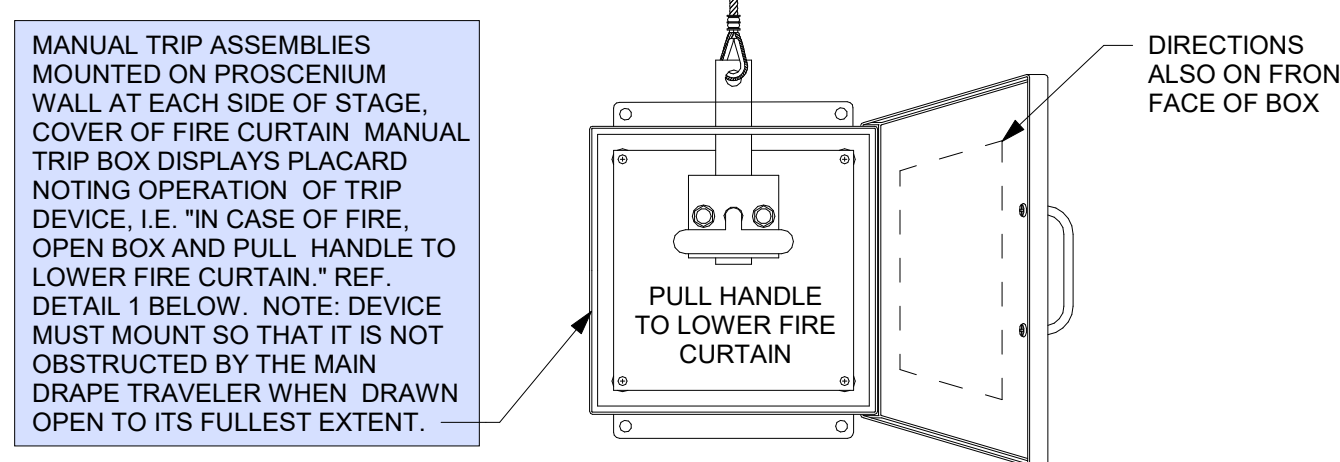
SCALE: 1 1/2" = 1'-0"



1. CAPTIVE TYPE FUSIBLE LINK - UL LISTED. 2. 5/8" L. X 7/8" W. WITH 1/4" HOLE CENTERS FOR LOADS 3 TO 30 POUNDS INCLUSIVE AND 165° TEMPERATURE RATING.
2. 1/8" HEAVY DUTY THIMBLE - GALVANIZED.
3. 1/8" NICO PRESS OVAL SLEEVE - COPPER.
4. 1/8" 7X19 GALVANIZED AIRCRAFT CABLE.

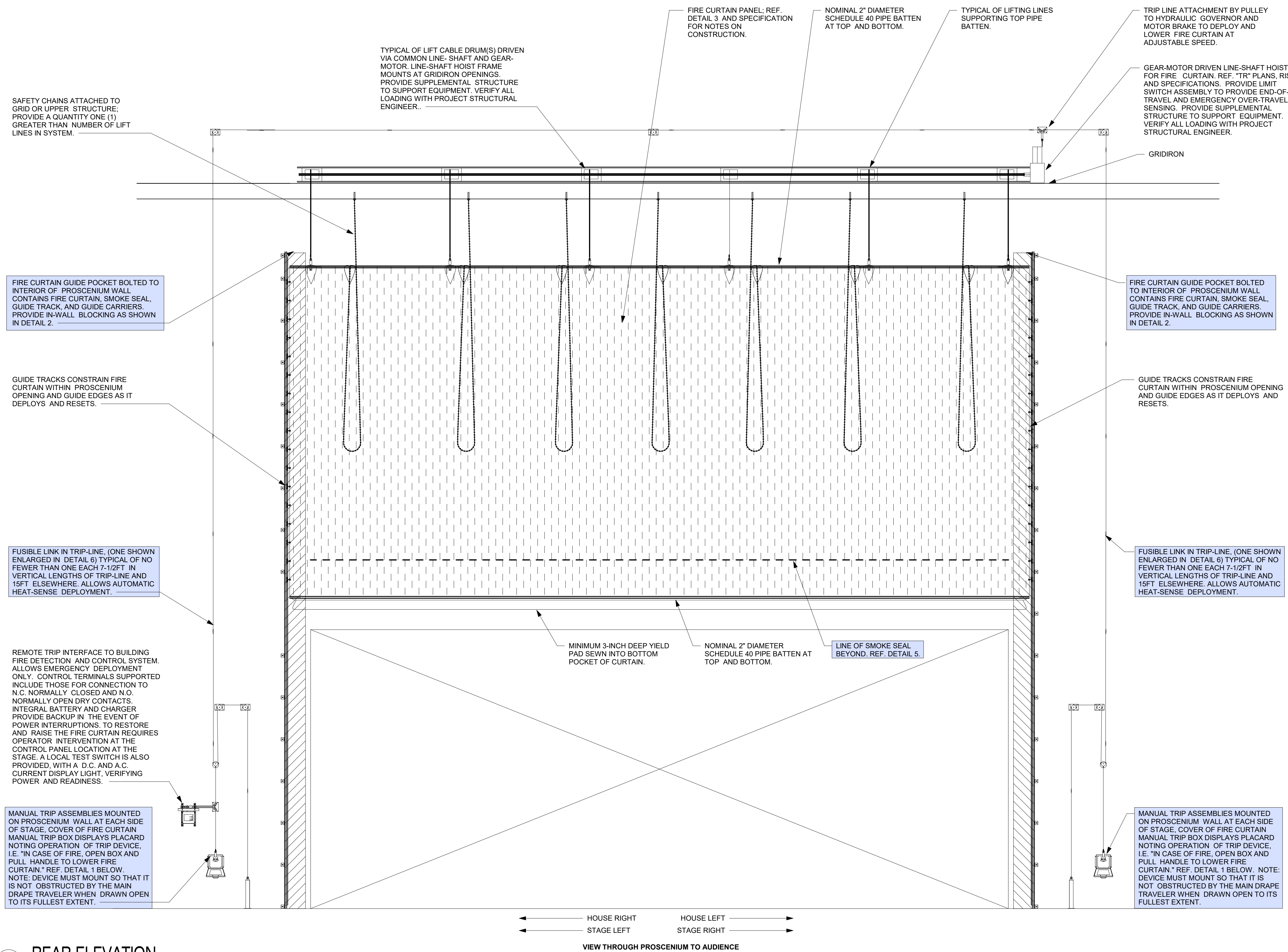
2 FUSIBLE LINK DETAIL

SCALE: 12" = 1'-0"



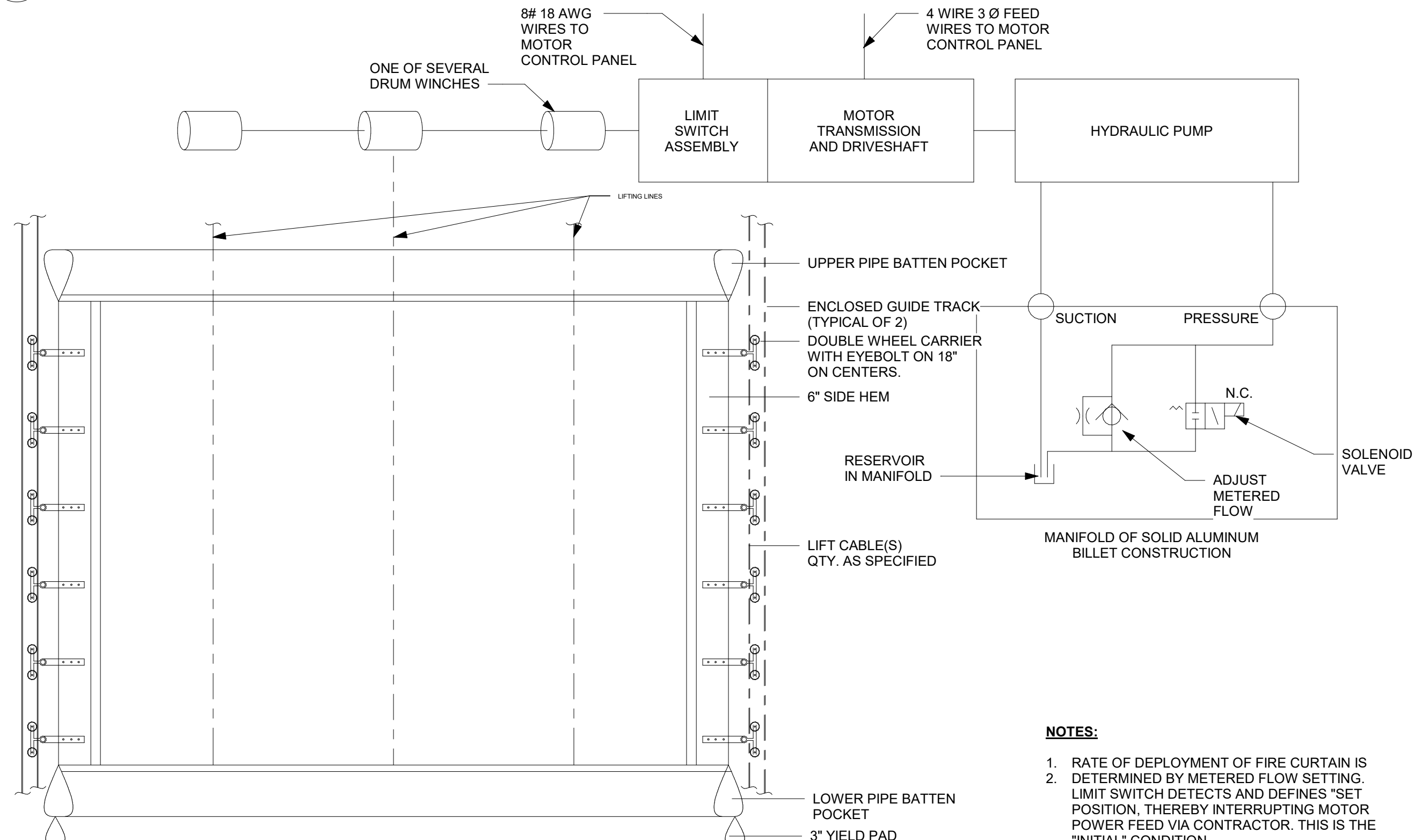
1 MANUAL PULL STATION (MPS)

SCALE: 1 1/2" = 1'-0"



8 REAR ELEVATION

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



7 FIRE CURTAIN SCHEMATIC DIAGRAM

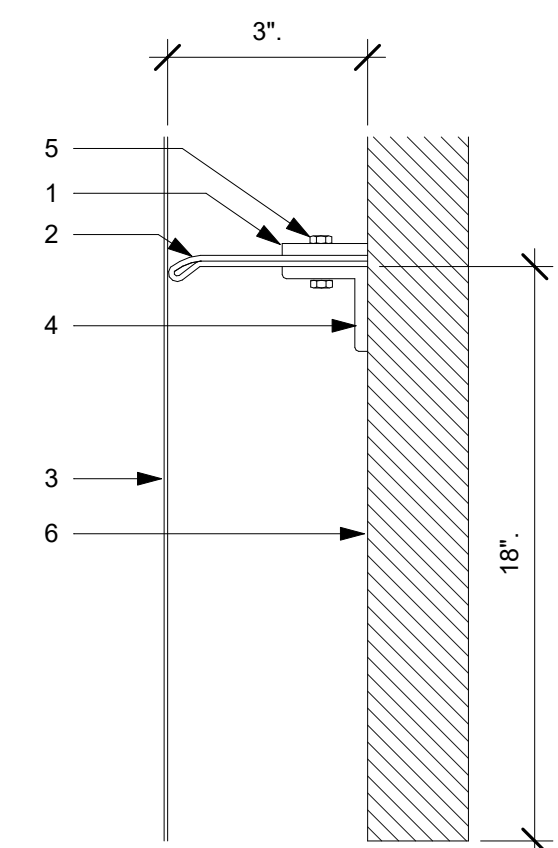
SCALE: 12" = 1'-0"

6 FIRE CURTAIN RELEASE (FCR)

SCALE: 1 1/2" = 1'-0"

5 SMOKE SEAL DETAIL

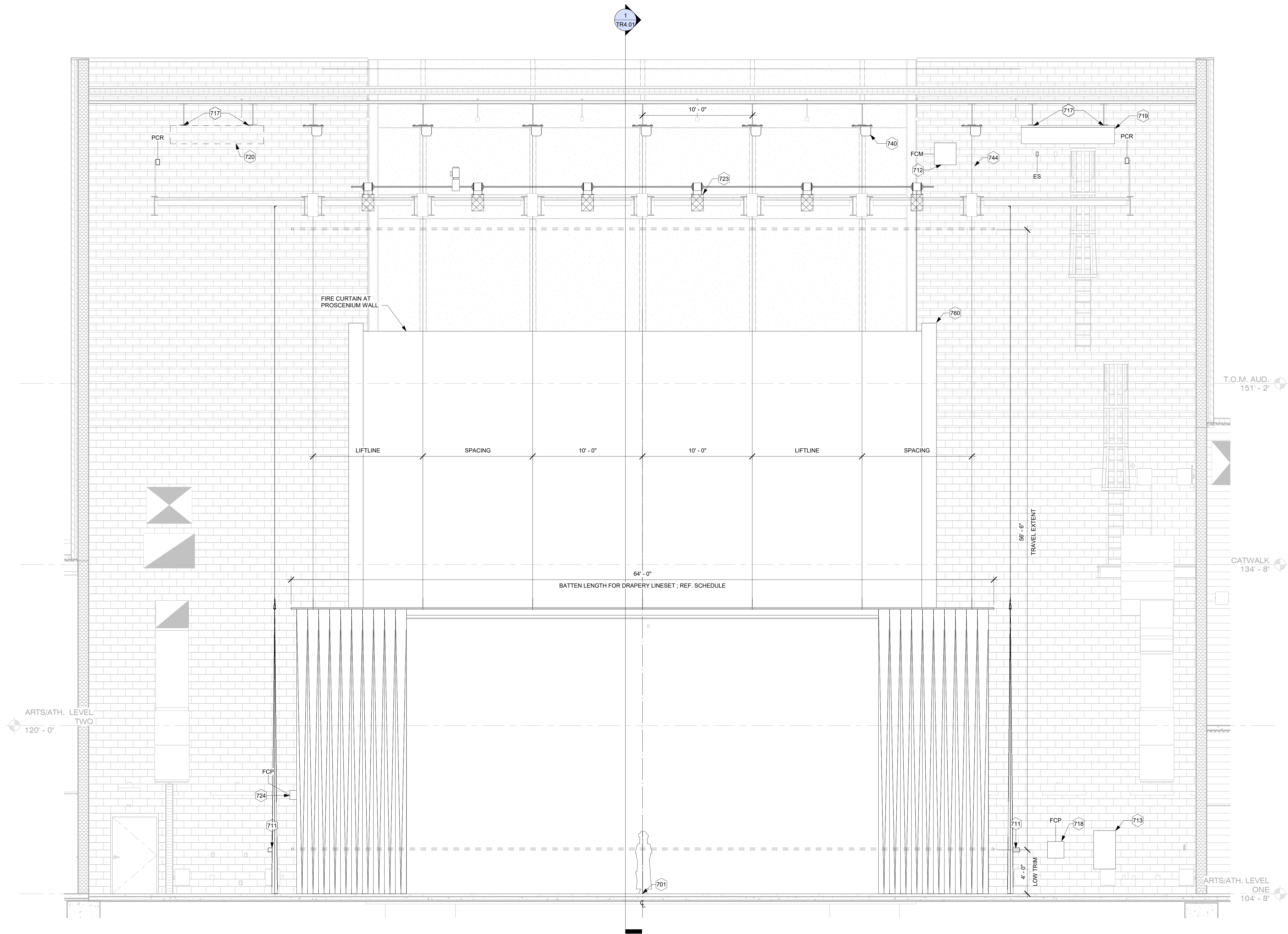
SCALE: 12" = 1'-0"



1. 1" X 3/16" STEEL TOP PLATE (CONTINUOUS)
2. SMOKE SEAL - FIRE CURTAIN MATERIAL DOUBLE THICKNESS
3. FIRE CURTAIN AS SPECIFIED
4. 1" X 1" X 3/16" STEEL ANGLE
5. 1/4"-20 X 1" LONG BOLT WITH NUT LOCKWASHER
6. PROSCENIUM STRUCTURE

NOTES:

1. RATE OF DEPLOYMENT OF FIRE CURTAIN IS DETERMINED BY METEDED FLOW SETTING.
2. LIMIT SWITCH DETECTS AND DEFINES "SET POSITION," THEREBY INTERRUPTING MOTOR POWER FEED VIA CONTRACTOR. THIS IS THE "INITIAL" CONDITION.



1 SECTION - AUDITORIUM PROSCENIUM WALL
SCALE: 1/4" = 1'-0"

KEYNOTES	
701	DATUM ORIGIN: THE DATUM FOR THEATRICAL RIGGING IS DEFINED AS: (1) THE STAGE CENTERLINE (2) THE REAR/BACKSTAGE FINISH WALL OF THE PROSCENIUM ARCH (I.E. PLASTER LINE) (3) THE FINISH ELEVATION OF THE STAGE FLOOR
711	MPS: FIRE CURTAIN MANUAL PULL STATION; INTEGRATE INTO FIRE CURTAIN CONTROL SYSTEM, TYP.
712	FCM: FIRE CURTAIN MOTOR CONTROL CABINET MOUNTS AT WALL 48" ABOVE GRID.
713	RCP: RIGGING CONTROL PANEL
717	MOTOR MOUNTED AT HOIST BEAMS BEAMS ABOVE.
718	FCP: FIRE CURTAIN CONTROL PANEL
719	INTEGRATED HOISTING ASSEMBLY MOUNTS IN SL CONDITION; REF. SCHEDULE
720	INTEGRATED HOISTING ASSEMBLY MOUNTS IN SL CONDITION; REF. SCHEDULE
723	FIRE CURTAIN HOIST, MOUNTED TO GRIDIRON OPENINGS 3HP MOTOR MAX. POWER AND CONTROL VIA FCM
724	FOR: FIRE CURTAIN REMOTE RELEASE PANEL
740	LOFTBLOCK
744	1/4" OR 3/16" WIRE ROPE LIFT LINE; REF. SPECIFICATION 11 01 33
760	FIRE CURTAIN GUIDE POCKET AT PROSCENIUM WALL



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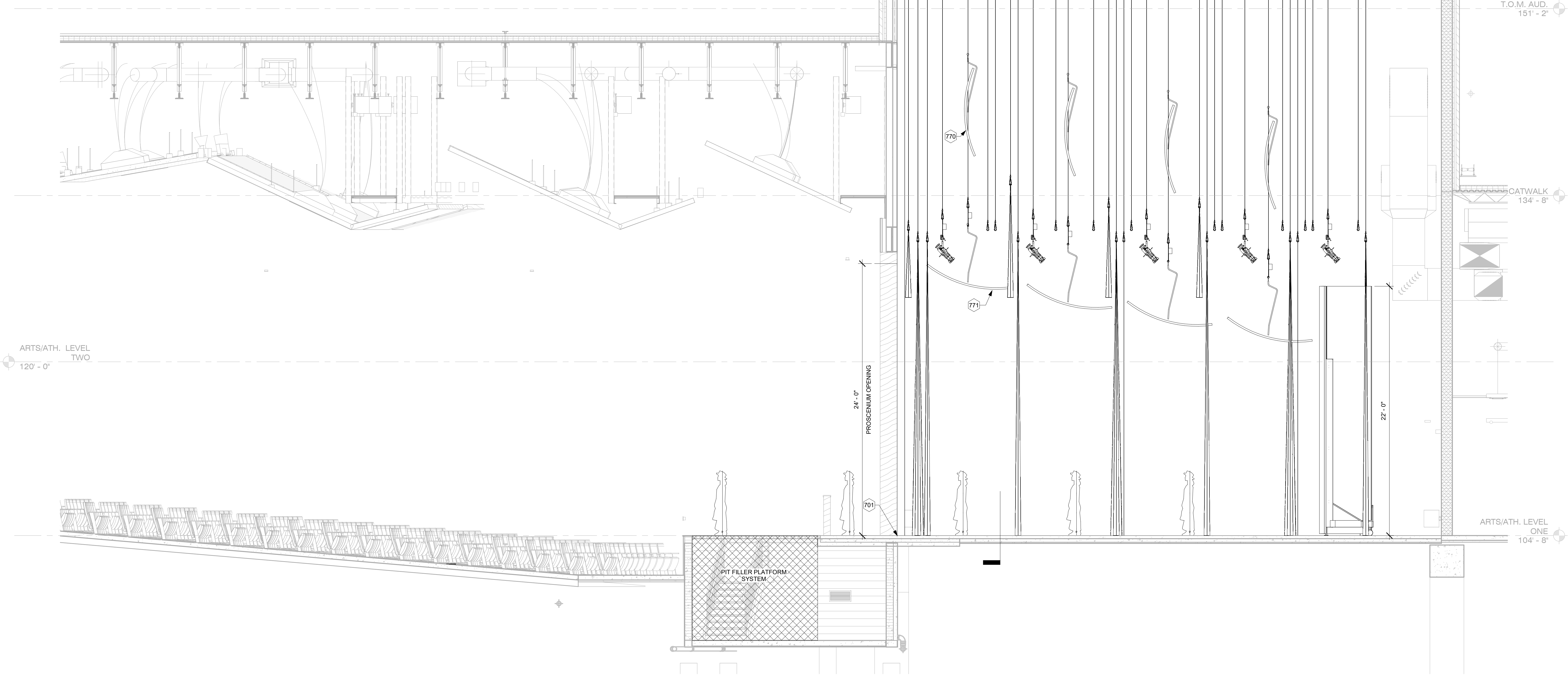
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SHEET NO.

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LINESET SCHEDULE - DIMENSIONS FROM DATUM								
Lineset ID	Description	Offset	Capacity	Batten Length	Class	Hoist Mount	Hoist Mount Side	Comments
FC	FIRE CURTAIN	0' - 3"	as REQ'D	53' - 0"	HOISTED - FIXED SPEED	GRIDIRON		PROVIDE WITH FUNCTIONALITY AS SPECIFIED
1	VALANCE	1' - 0"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SR	PROVIDE WITH BI-PARTING TRAVELER TRACK WITH PULL ON SR
2	MAIN DRAPE	1' - 10"	1200lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SL	--
3	LEGS	2' - 8"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SR	PROVIDE WITH WALK-ALONG TRACK AT 20'-0" LONG FROM EACH END
4	1st ELECTRIC	4' - 0"	2500lbs	61' - 0"	HOISTED - FIXED SPEED	LOFT BEAMS	SL	PROVIDE WITH DOUBLE-PIPE BATTEN AND CABLE MANAGEMENT AS SPECIFIED
5	SHELL CEILING	6' - 3"	3000lbs	50' - 0"	HOISTED - FIXED SPEED	LOFT BEAMS	SR	PROVIDE WITH DOUBLE-PIPE BATTEN AND CABLE MANAGEMENT AS SPECIFIED
6	UTILITY	8' - 0"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SL	--
7	UTILITY	8' - 8"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SR	--
8	BORDER	10' - 0"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SL	--
9	LESS	10' - 8"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SR	PROVIDE WITH WALK-ALONG TRACK AT 20'-0" LONG FROM EACH END
10	2nd ELECTRIC	12' - 0"	2500lbs	61' - 0"	HOISTED - FIXED SPEED	LOFT BEAMS	SL	PROVIDE WITH DOUBLE-PIPE BATTEN AND CABLE MANAGEMENT AS SPECIFIED
11	UTILITY	14' - 0"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SL	--
12	SHELL CEILING	15' - 1"	3000lbs	50' - 0"	HOISTED - FIXED SPEED	LOFT BEAMS	SR	PROVIDE WITH DOUBLE-PIPE BATTEN AND CABLE MANAGEMENT AS SPECIFIED
13	UTILITY	17' - 4"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SL	--
14	BORDER	18' - 8"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SR	--
15	MIDSTAGE TRAVELER	19' - 4"	1200lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SL	PROVIDE WITH BI-PARTING TRAVELER TRACK WITH PULL ON SR
16	SCRM	20' - 0"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SR	--
17	UTILITY	20' - 8"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SL	--
18	3rd ELECTRIC	22' - 0"	2500lbs	61' - 0"	HOISTED - FIXED SPEED	LOFT BEAMS	SR	PROVIDE WITH DOUBLE-PIPE BATTEN AND CABLE MANAGEMENT AS SPECIFIED
19	SHELL CEILING	23' - 11"	3000lbs	50' - 0"	HOISTED - FIXED SPEED	LOFT BEAMS	SL	PROVIDE WITH DOUBLE-PIPE BATTEN AND CABLE MANAGEMENT AS SPECIFIED
20	BORDER	26' - 8"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SR	--
21	LEGS	27' - 4"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SR	PROVIDE WITH WALK-ALONG TRACK AT 20'-0" LONG FROM EACH END
22	UTILITY	28' - 0"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SR	--
23	UTILITY	28' - 8"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SL	--
24	4th ELECTRIC	30' - 8"	2500lbs	61' - 0"	HOISTED - FIXED SPEED	LOFT BEAMS	SL	PROVIDE WITH DOUBLE-PIPE BATTEN AND CABLE MANAGEMENT AS SPECIFIED
25	SHELL CEILING	32' - 9"	3000lbs	50' - 0"	HOISTED - FIXED SPEED	LOFT BEAMS	SR	PROVIDE WITH DOUBLE-PIPE BATTEN AND CABLE MANAGEMENT AS SPECIFIED
26	UTILITY	34' - 0"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SL	--
27	UPSTAGE TRAVELER 1	34' - 8"	1200lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SR	PROVIDE WITH BI-PARTING TRAVELER TRACK WITH PULL ON SR
28	CYCLOPAMA	35' - 4"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SL	--
29	UTILITY	36' - 0"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SR	--
30	UTILITY	36' - 8"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SL	--
31	5th ELECTRIC	36' - 0"	2500lbs	61' - 0"	HOISTED - FIXED SPEED	LOFT BEAMS	SR	PROVIDE WITH DOUBLE-PIPE BATTEN AND CABLE MANAGEMENT AS SPECIFIED
32	UTILITY	40' - 8"	800lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SL	--
33	UPSTAGE TRAVELER 2	41' - 4"	1200lbs	64' - 0"	HOISTED - VARIABLE SPEED	LOFT BEAMS	SR	PROVIDE WITH BI-PARTING TRAVELER TRACK WITH PULL ON SR
SL	TAB MASKING	33' - 6"	500lbs	44' - 0"	DEAD-HUNG	n/a		PROVIDE WITH PARALLEL WALK-ALONG TRACKS
SR	TAB MASKING	33' - 6"	500lbs	44' - 0"	DEAD-HUNG	n/a		PROVIDE WITH PARALLEL WALK-ALONG TRACKS



KEYNOTES	
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719	INTEGRATED HOISTING ASSEMBLY MOUNTS IN SR CONDITION, REF SCHEDULE
722	LINESET ID, TYP, REF LINESET SCHEDULE
723	FIRE CURTAIN HOIST, MOUNTED TO GRIDIRON OPENINGS, 3HP MOTOR MAX. POWER AND CONTROL VIA FCM
749	PCR, POWER AND CONTROL RACEWAY FOR MOTOR CONTROL, REF SPEC AND RISER
770	ORCHESTRA SHELL CEILING (SHOWN IN STORED POSITION); TYP.
771	ORCHESTRA SHELL CEILING (SHOWN IN DEPLOYED POSITION); TYP.



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SHEET TITLE

SECTIONS

SHEET NO.

TR4.01

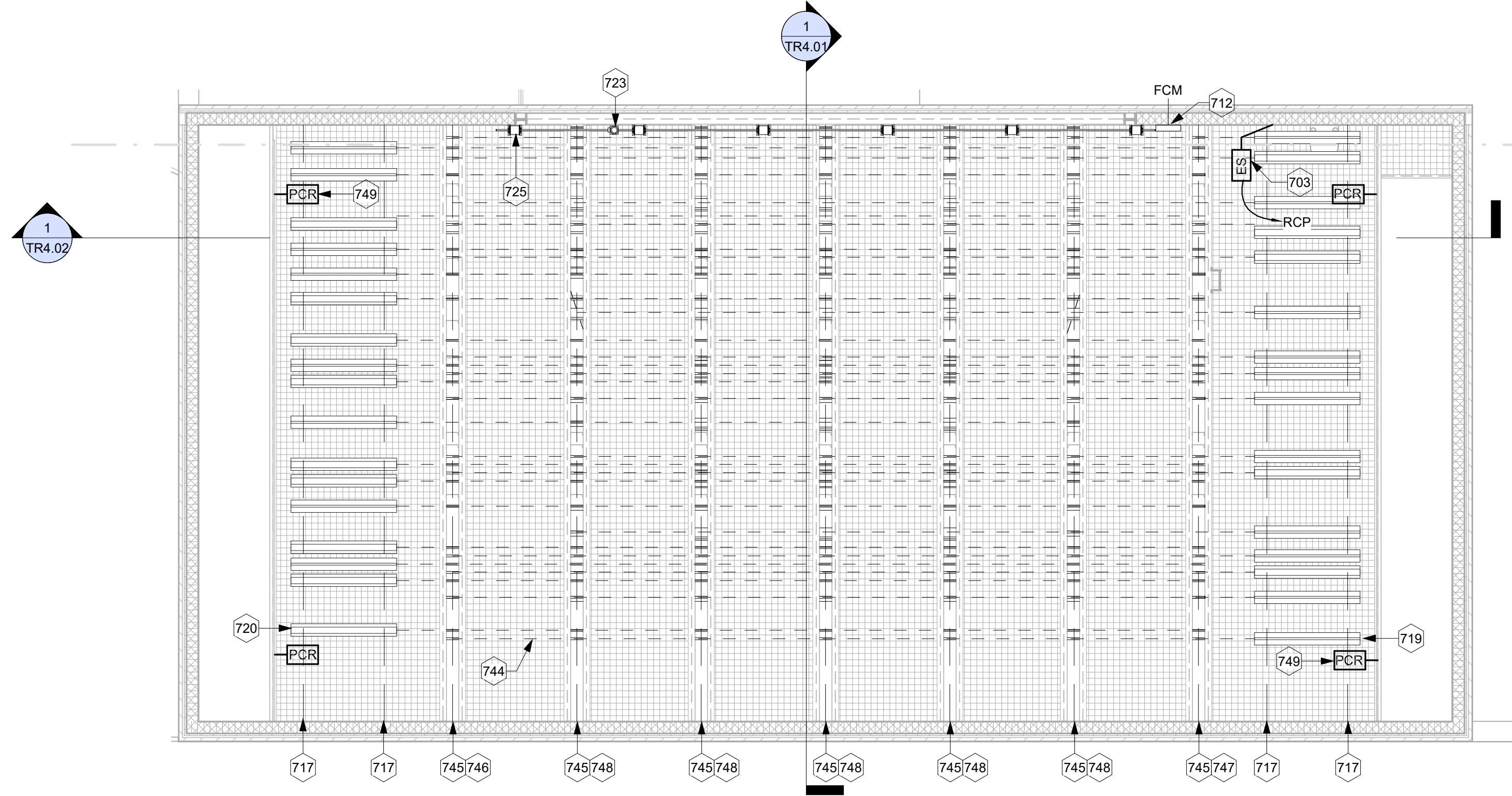
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1 SECTION - AUDITORIUM CENTERLINE
SCALE: 1/4" = 1'-0"

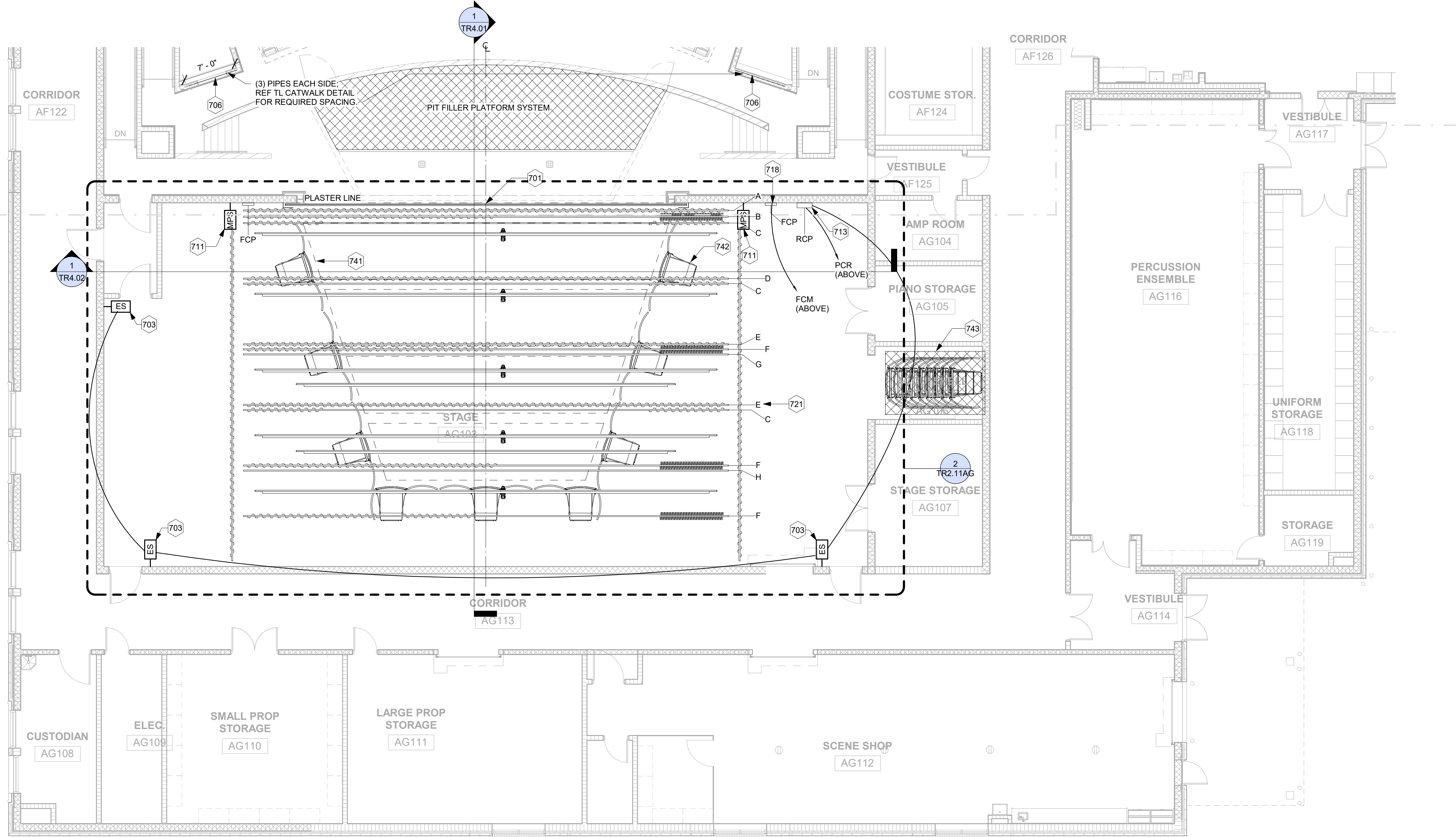
Midlothian Heritage High School - Phase 2

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DRAPERY SCHEDULE											
Drapery ID	Description	Location	Quantity	Size	Fabric Type	Color	Weight	Fullness	Hem	Bottom	Comments
FC	FIRE CURTAIN	STAGE	1	as REQ'D	per SPEC	NATURAL	per SPEC	FLAT	per SPEC	per SPEC	PROVIDE AS SPECIFIED
A	VALANCE	STAGE	1	8'-0" x 56'-0"W	IFR VELOUR	per ARCHITECT	24oz	75%	12"	CHAIN	TIED DIRECTLY TO PIPE
B	MAIN DRAPE	STAGE	2	27'-0" x 29'-0"W	IFR VELOUR	per ARCHITECT	24oz	75%	FABRIC 1/2 WIDTH	CHAIN	HANG FROM TRAVELER TRACK WITH 3'-0" CENTER OVERLAP
C	LEGS	STAGE	4 PAIR	26'-0" x 10'-0"W	IFR VELOUR	BLACK	24oz	50%	24"	CHAIN	HANG FROM WALK-ALONG TRACK HARDWARE; QTY INCLUDES (1) SPARE PAIR WITH TIES
D	BORDER	STAGE	1	10'-0" x 62'-0"W	IFR VELOUR	BLACK	24oz	50%	12"	CHAIN	TIED DIRECTLY TO PIPE
E	BORDER	STAGE	3	8'-0" x 62'-0"W	IFR VELOUR	BLACK	24oz	50%	12"	CHAIN	TIED DIRECTLY TO PIPE; QUANTITY INCLUDES (1) SPARE WITH TIES
F	TRAVELER	STAGE	6	26'-0" x 32'-6"W	IFR VELOUR	BLACK	24oz	50%	FABRIC 1/2 WIDTH	CHAIN	HANG FROM TRAVELER TRACK WITH 3'-0" CENTER OVERLAP
G	SCRIM	STAGE	1	26'-0" x 61'-0"W	SHARKTOOTH SCRIM	BLACK	n/a	FLAT	2"	PIPE	TIED DIRECTLY TO PIPE; PROVIDE WITH GROMMETS IN BOTTOM CORNERS AND FULL LENGTH OF 3/4" BLACK PIPE
H	CYCLORAMA	STAGE	1	26'-0" x 61'-0"W	FR MUSLIN	BLEACHED WHITE	HEAVY	FLAT	2"	PIPE	TIED DIRECTLY TO PIPE; PROVIDE WITH GROMMETS IN BOTTOM CORNERS AND FULL LENGTH OF 3/4" BLACK PIPE
J	TAB MASKING	STAGE	8 PANELS	26'-0" x 11'-6"W	IFR VELOUR	BLACK	20oz	FLAT	12"	CHAIN	HANG FROM WALK-ALONG TRACK HARDWARE




2 TR ARTS/ATH. - GRIDIRON CALLOUT PLAN
SCALE: 1/8" = 1'-0"



1 TR ARTS/ATH. LEVEL ONE - UNIT AG
SCALE: 1/8" = 1'-0"

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703	RIGGING CONTROL. REMOTE E-STOP DEVICE.
706	SIDE LIGHTING POSITION. 1 1/2" SCH40 STEEL PIPE. LIVE LOAD NOT TO EXCEED 25LB/LF. TYP.
711	MPS: FIRE CURTAIN MANUAL PULL STATION; INTEGRATE INTO FIRE CURTAIN CONTROL SYSTEM, TYP.
712	FCM: FIRE CURTAIN MOTOR CONTROL. CABINET MOUNTS AT WALL 48" ABOVE GRID.
713	RCP: RIGGING CONTROL PANEL.
717	MOTOR MOUNTED AT HOIST BEAMS BEAMS ABOVE.
718	FCP: FIRE CURTAIN CONTROL PANEL.
719	INTEGRATED HOISTING ASSEMBLY MOUNTS IN SR CONDITION; REF SCHEDULE
720	INTEGRATED HOISTING ASSEMBLY MOUNTS IN SL CONDITION; REF SCHEDULE
721	DRAPERY ID. TYP. REF DRAPERY SCHEDULE
723	FIRE CURTAIN HOIST: MOUNTED TO GRIDIRON OPENINGS. 3HP MOTOR MAX. POWER AND CONTROL VIA FCM
725	TYPICAL OF LINESHAFT HOIST DRUM AT SPECIALTY FIRE-CURTAIN LOFT-WELL OPENINGS. TYP. REF STRUCTURAL
741	LINE OF ORCHESTRA SHELL CEILING ABOVE
742	ORCHESTRA SHELL TOWER @ 24'-0" TALL, TYP.
743	ORCHESTRA SHELL TOWERS SHOWN IN STORAGE POSITION FOR REFERENCE ONLY
744	1/4" OR 3/16" WIRE ROPE LIFT LINE; REF: SPECIFICATION 11.61.33
745	LINE OF LOFT-WELL WITH LOFT BEAM ABOVE
746	PROVIDE MULTI-LINE LOFTBLOCK AT THIS LOFT BEAM FOR LINESETS WITH MOTORS ON SL
747	PROVIDE MULTI-LINE LOFTBLOCK AT THIS LOFT BEAM FOR LINESETS WITH MOTORS ON SR
748	PROVIDE LOFTBLOCK WITH IDLERS AT THIS LOFT BEAM
749	PCR: POWER AND CONTROL RACEWAY FOR MOTOR CONTROL. REF SPEC AND RISER



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SHEET TITLE

FLOOR PLAN - LEVEL ONE - UNIT AG

SHEET NO.

TR2.11AG

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SHEET TITLE

THEATRICAL RIGGING
LOADING DIAGRAM

SHEET NO.

TR17.10

- GENERAL NOTES
1. ALL COUNTERWEIGHT LIFTLINES ARE SUPPORTED BY LOFT BLOCK ATTACHED TO LOFT BEAM STEEL.
 2. ALL HOISTED/MOTORIZED LINESETS MOUNT DIRECTLY TO GRID/LOFTWELL STRUCTURE.
 3. LOADS IMPOSED ON STRUCTURE BY RIGGING SYSTEM ARE EXPRESSED IN POUNDS AS INDICATED. LOADING INCLUDES PROJECTED WEIGHT OF RIGGING HARDWARE (DEAD-LOAD) AND USER-APPLIED (LIVE) LOADS AS DESCRIBED ON THIS SHEET.
 4. MAXIMUM LIVE LOADS EXPRESSED IN POUNDS BASED ON UNIFORMLY DISTRIBUTED LOAD ACROSS PIPE BATTENS UNLESS OTHERWISE NOTED.
 5. PIPE BATTENS SPANNING THE SEVERAL LIFTING LINES ARE OF SCHEDULE 40 1 1/2" I.D. PIPE.
 6. ONSTAGE HEADBEAM WELL SIDE LOAD IS BRACED BY LATERAL BEAM AND STEEL PLATE GUSSETS AT INTERVALS. VERIFY GUSSET LOCATIONS AND COORDINATE WITH ARCHITECT. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
 7. COORDINATE SUPPLEMENTAL STEEL REQUIREMENTS WITH ARCHITECT; SEE STRUCTURAL DRAWINGS FOR DETAILS.
 8. AFTER STEEL SIZING BY STRUCTURAL ENGINEER, BOTTOM OF STEEL ELEVATION OF LOFT-BEAMS SHALL BE A NOMINAL 7" HIGHER THAN THAT OF THE LOFT-WELL CHANNELS.
 9. FIELD VERIFY ALL DIMENSIONS.
 10. FIRE CURTAIN HOIST MOUNTS TO MAIN GRIDIRON LOFT-WELLS.
 11. OBSERVE ALL MANUFACTURERS REQUIREMENTS.
 12. RIGGING DATUM REFERRED TO AS 0.0.0 IS DEFINED BY THE INTERSECTION OF THE CLINE OF THE STAGE, AT THE FINISH FLOOR ELEVATION, AND THE INSIDE FACE OF THE PROSCENIUM VERTICAL PLANE.
 13. ELEVATED LOADING PLATFORM SHALL BE CONSTRUCTED TO SUPPORT THE WEIGHT OF THE COUNTERWEIGHTS REQUIRED TO COUNTERBALANCE THE WEIGHT OF ALL THE LINESET, BATTENS AND SCENERY. THIS VALUE IS PROJECTED AS NOT LESS THAN THE SUM OF ALL ARBOR CAPACITIES.
 14. STEEL SHAPES SHOWN ARE FOR REFERENCE ONLY AND WILL VARY FROM THOSE SHOWN IN THIS CONCEPTUAL DRAWING.

