STAGE UPGRADES
E.C. GLASS HIGH SCHOOL

LYNCHBURG CITY SCHOOLS
LYNCHBURG, VIRGINIA

A TRADITION OF EXCELLENCE FOR ALL

LCS
LYNCHBURG CITY SCHOOLS

DRAWING ACCURACY

THE DRAWINGS WERE PREPARED USING ARCHITECTURAL FLOOR PLANS PREPARED BY OTHERS TO DOCUMENT THE GENERAL ARRANGEMENT OF THE FACILITY. THEY WERE PREPARED BASED UPON THE ENGINEER'S OBSERVATIONS IN THE FIELD EXERCISING DILIGENCE AND PROFESSIONAL CARE. THE ENGINEER CAN NOT, AND DOES NOT, REPRESENT THAT THE DRAWINGS ARE ACCURATE IN EVERY RESPECT. DIMENSIONS SHOWN SHOULD BE VERIFIED IN THE FIELD. UNDIMENSIONED FEATURES SHOULD NOT BE SCALED. THEIR DIMENSIONS AND LOCATIONS SHOULD BE MEASURED IN THE FIELD.

DRAWING LIST

CS	COVER SHEET
E0.1	LEGEND, NOTES, ABBREVIATIONS & DRAWING LIST
E1.0	ONE LINE DIAGRAM – EXISTING CONDITIONS
E1.1	LIGHTING – BASEMENT – EXISTING CONDITIONS
E1.2	LIGHTING – FIRST FLOOR – EXISTING CONDITIONS
E1.3	LIGHTING – SECOND FLOOR – EXISTING CONDITIONS
E1.4	LIGHTING – THIRD FLOOR – EXISTING CONDITIONS
E2.0	ONE LINE DIAGRAM – REWORKED & POWER SCHEDULES
E2.01	POWER & LIGHT FIXTURE SCHEDULES
E2.1	LIGHTING – BASEMENT – REWORKED CONDITIONS
E2.2	LIGHTING, SOUND & VIDEO – FIRST FLOOR – REWORKED CONDITIONS
E2.21	LIGHTING – FIRST FLOOR – REWORKED CONDITIONS
E2.3	LIGHTING, SOUND & VIDEO – SECOND FLOOR – REWORKED CONDITIONS
E2.4	LIGHTING – THIRD FLOOR – REWORKED CONDITIONS
TL–100	EXISTING STAGE LIGHTING – SYSTEM ONELINE
TL–101	EXISTING STAGE LIGHTING – STAGE PLAN
TL–102	EXISTING STAGE LIGHTING – LIGHTING CIRCUIT STRIPS
TL–103	EXISTING STAGE LIGHTING – HOUSE LIGHTING PLAN
TL–104	EXISTING STAGE LIGHTING – STAGE LIGHTING BATTENS ELEVATION
TL–105	NEW STAGE LIGHTING – SYSTEM ONELINE
TL–106	NEW STAGE LIGHTING – HOUSE LIGHTING SYSTEM ONELINE
TL–107	NEW STAGE LIGHTING – UNDER BALCONY HOUSE PLAN
TL–108	NEW STAGE LIGHTING – STAGE PLAN
TL–109	NEW STAGE LIGHTING – LIGHTING CIRCUIT STRIPS
TL–110	NEW STAGE LIGHTING – HOUSE LIGHTING PLAN
TL–111	NEW STAGE LIGHTING – STAGE LIGHTING BATTENS ELEVATION
TR–100	EXISTING STAGE RIGGING – PLAN
TR–101	EXISTING STAGE RIGGING – SECTION
TR–102	EXISTING STAGE RIGGING – GENERAL PURPOSE SET ELEVATION
TR–103	EXISTING STAGE RIGGING – STAGE ELECTRIC SET ELEVATION
TR–104	EXISTING STAGE FRONT OF HOUSE PLAN
TR–105	NEW STAGE RIGGING – PLAN
TR–106	NEW STAGE RIGGING – GENERAL PURPOSE SET ELEVATION
TR–107	NEW STAGE RIGGING – STAGE ELECTRIC SET ELEVATION
TR–108	NEW STAGE RIGGING – HOUSE RIGGING PLAN
TR–109	EXISTING ORCHESTRA PIT PLAN
TR–110	NEW ORCHESTRA PIT PLATFORM PLAN
TR–111	ALTERNATE STAGE RIGGING PLAN
TS–100	AV SYSTEM – NEW SPEAKER ARRAYS
TS–101	AV SYSTEM – NEW AMPS AND SPEAKER OUTLINE
TS–102	AV SYSTEM – REWORK EXISTING SOUND RACK ONELINE
TS–103	AV SYSTEM – RACK ELEVATIONS AND PLATE DETAILS
TS–104	AV SYSTEM – NEW VIDEO SYSTEM

THE "TL", "TR" AND "TS" SERIES DRAWINGS AND ASSOCIATED DIVISION 11 AND 27 SPECIFICATIONS WERE NOT PREPARED BY MASTER ENGINEERS AND DESIGNERS, INC AND ARE INCLUDED ONLY FOR THE LOGISTICAL CONVENIENCE OF THE LYNCHBURG CITY SCHOOLS. ALL MATTERS RELATED TO THESE DOCUMENTS SHOULD BE REFERED TO THE THEATER CONSULTANT, TSG DESIGN SOLUTIONS, INC.

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STAGE UPGRADES
E.C. GLASS HIGH SCHOOL
LYNCHBURG CITY SCHOOLS
LYNCHBURG, VIRGINIA

COVER SHEET

DATE ISSUED: 06/30/14
SCALE: NONE
JOB. NO. 372–028
DESIGNED:
DRAWN:
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DRAWING NO.
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1 OF 1

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LEGEND

RACEWAY - GENERAL

————	CONDUIT RUN EXPOSED
—— – ——	CONDUIT RUN CONCEALED ABOVE CEILINGS OR IN WALLS
– – – – – – –	CONDUIT RUN CONCEALED BENEATH FLOORS, IN WALLS OR, IF OUTDOORS, BELOW GRADE
○————	CONDUIT TURNING UP
C————	CONDUIT TURNING DOWN
————►	HOMERUN
————\\\\\	TICK MARKS INDICATES QUANTITY OF #12 CONDUCTORS IN ADDITION TO #12 EGC
(J)	JUNCTION BOX

RACEWAY - LOW VOLTAGE (NOTE 1)

——S——	SOUND CONDUIT
——V——	VIDEO CONDUIT
——LC——	LIGHTING CONTROL CONDUIT

OVERCURRENT DEVICES

F	SAFETY SWITCH, FUSIBLE
⊠	STARTER, COMBINATION MAGNETIC, FUSIBLE

WIRING DEVICES - POWER

⊖	RECEPTACLE, DUPLEX, NEMA 5–20, WALL–MOUNTED
⊖H	RECEPTACLE, SPECIAL (NEMA CONFIGURATION AS SHOWN), WALL–MOUNTED
⊖	RECEPTACLE, SPECIAL (NEMA CONFIGURATION AS SHOWN), FLOWN
S	SWITCH, 20 AMP, 120 / 277 VOLT

WIRING DEVICE / OUTLET BOXES (NOTE 2)

AJ	ANTENNA JACK BOX
AJB	ANTENNA JUNCTION BOX
IJB	CONTROL JUNCTION BOX
LR	LIGHTING REMOTE OUTLET BOX
LPR	LIGHTING POWER RECEPTACLE
MJ	MICROPHONE RECEPTACLE
PO	PROJECTOR OUTLET
RS	SOUND RACK
SC*	SPEAKER OUTLET BOX: * => (C= CENTER) (L = LEFT) (R = RIGHT)
SJ	SPEAKER RECEPTACLE
SJB	SPEAKER JUNCTION BOX

LIGHTING

▭	FIXTURE, FLUORESCENT
○ ◕	FIXTURE, CEILING–MOUNTED: NORMAL POWER, EMERGENCY POWER

ABBREVIATIONS

2/C	TWO–CONDUCTOR
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
AMPS	AMPERES
AT	AMPERE TRIP
C	CONDUIT
CKT	CIRCUIT
CONN	CONNECTED
e DIN	DIN ENCLOSURE
EGC	EQUIPMENT GROUNDING CONDUCTOR
EMT	ELECTRICAL METALLIC THINWALL
ETR	EXISTING, TO REMAIN
FLEX	FLEXIBLE METALLIC CONDUIT
GND	GROUND
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT–AMPERES
KW	KILOWATTS
L	LINE
MIN	MINIMUM
N, NEUT	NEUTRAL
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
P	POLE
PH	PHASE
RMS	ROOT MEAN SQUARE
SYM	SYMMETRICAL
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
W /	WITH

NOTES (SHEET NO. E0.1)

1. 3/4" CONDUIT WITH PULL STRING UNLESS LARGER CONDUIT IS INDICATED.
2. SEE "TL" & "TS" SERIES DRAWINGS FOR BOX SIZES.

DRAWING LIST

E0.1 LEGEND, NOTES, ABBREVIATIONS & DRAWING LIST
E1.0 ONE LINE DIAGRAM – EXISTING CONDITIONS
E1.1 LIGHTING – BASEMENT – EXISTING CONDITIONS
E1.2 LIGHTING – FIRST FLOOR – EXISTING CONDITIONS
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E2.4 LIGHTING – THIRD FLOOR – REWORKED CONDITIONS

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LYNCHBURG CITY SCHOOLS
LYNCHBURG, VIRGINIA

LEGEND, NOTES, ABBREVIATIONS & DRAWING LIST

DATE ISSUED: 06/30/14
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DRAWING NO.
E0.1
1 OF 13

REVISION

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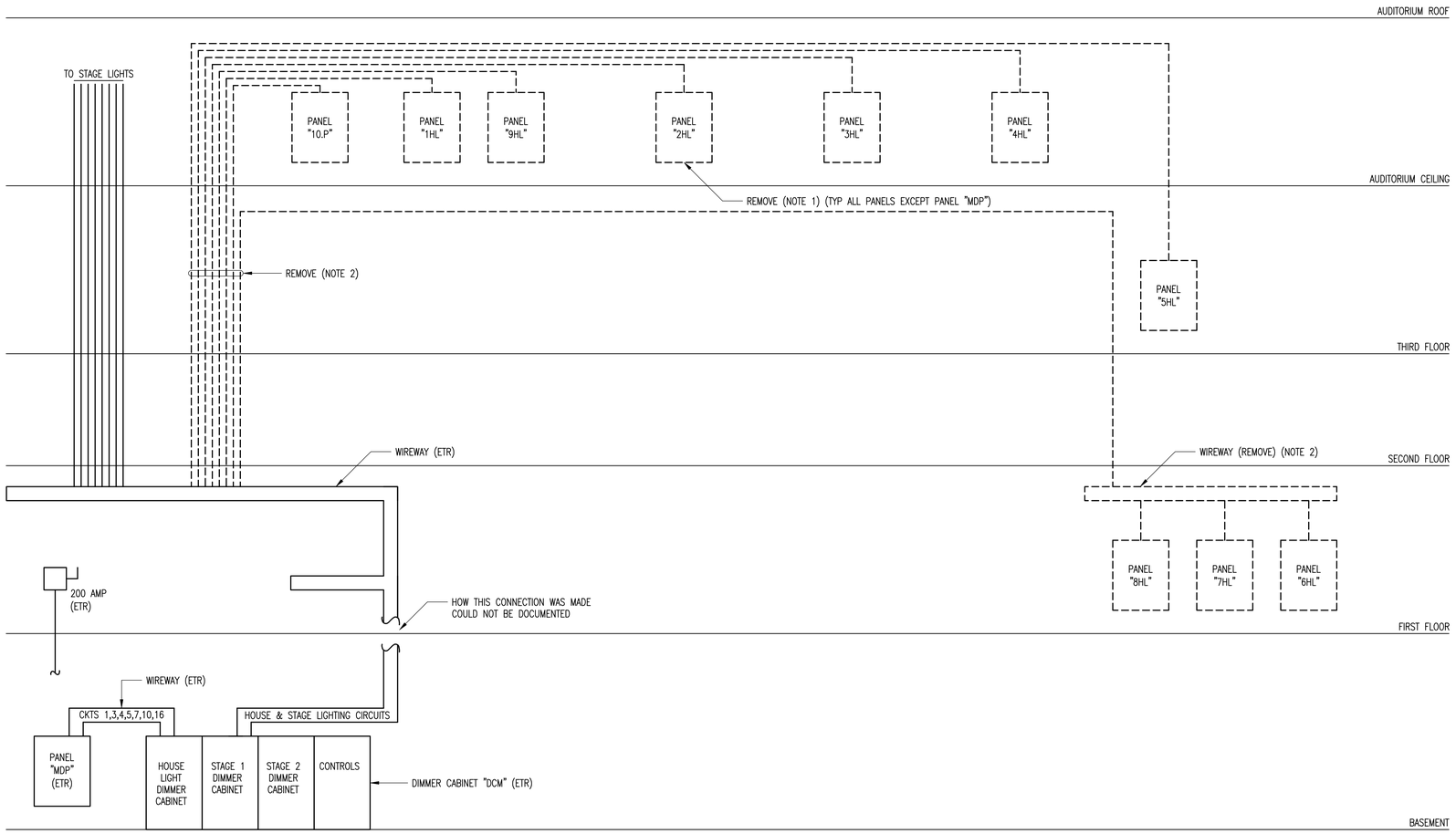

NOTES (DRAWING NO. E1.0)

1. PANELS ARE THREE–PHASE PANELS FED BY A SINGLE–PHASE DIMMER. PANEL BUSSES ARE JUMPERED TOGETHER TO RECEIVE SINGLE–PHASE FEED.
2. DO NOT REMOVE UNTIL REPLACEMENT HOUSE LIGHTING SYSTEM IS OPERATIONAL AND ACCEPTED.

PANEL "MDP" SCHEDULE (Existing conditions)

PANELBOARD CHARACTERISTICS:
VOLTS: 120 / 208 — SOLID NEUTRAL — MANUFACTURER, CAT. NO: SQUARE D I–LINE
PHASES: 3 — GROUND BAR — MAIN LUGS: ??? AMPERES
WIRES: 4 — MINIMUM SHORT CIRCUIT RATING: xx,xxx RMS SYM AMPS

CKT. NO.	POLE NO.	DESCRIPTION	CONN. KVA	CONN. AMPS A	CONN. AMPS B	CONN. AMPS C	BREAKER P	BREAKER AF	BREAKER AT	NO. & WIRE SIZE PHASE	NO. & WIRE SIZE NEUT.	NO. & WIRE SIZE EGC	CONDUIT SIZE
1	1	DIMMER CONTROLS					1	100	20	EXIST	EXIST	EXIST	EXIST
3	3	DIMMER CONTROLS					1	100	20	EXIST	EXIST	EXIST	EXIST
5	5	DIMMER CONTROLS					1	100	20	EXIST	EXIST	EXIST	EXIST
7	7	EMERGGENCY LIGHTS					1	100	20	EXIST	EXIST	EXIST	EXIST
	9	SPACE & BUS ONLY					1	100					
	11	"					"	"					
	13	"					"	"					
	15	"					"	"					
	17	"					"	"					
	19	"					"	"					
	21	"					"	"					
	23	"					"	"					
	25	"					"	"					
	27	"					"	"					
	29	"					"	"					
	2			278.0						EXIST			
4	4	HOUSE LIGHTS (DIMMER CABINET "DCM")	66.61		122.9		3	400	250	EXIST	EXIST	EXIST	EXIST
	6					154.2				EXIST			WIREWAY
	8									EXIST			
10	10	STAGE LIGHTS 1					3	400	400	EXIST	EXIST	EXIST	EXIST
	12									EXIST			WIREWAY
	14									EXIST			
16	16	STAGE LIGHTS 2					3	400	400	EXIST	EXIST	EXIST	EXIST
	18									EXIST			WIREWAY
	20	SPACE & BUS ONLY					1	100					
	22	"					"	"					
	24	"					"	"					
	26	"					"	"					
	28	"					"	"					
	30	"					"	"					
		TOTALS	66.61	278.0	122.9	154.2							

DIMMER CABINET "DCM" SCHEDULE (House light section) (Existing conditions)

CABINET CHARACTERISTICS:
VOLTS: 120 / 208 VOLTS — MAIN LUGS: ??? AMPERES
PHASES: 3
WIRES: 4
SOLID NEUTRAL, GROUND BAR

CKT. NO.	DESCRIPTION	CONN. KVA	CONN. AMPS A	CONN. AMPS B	CONN. AMPS C	BREAKER P	BREAKER AF	BREAKER AT	DIMMER KW	NO. & WIRE SIZE PHASE	NO. & WIRE SIZE NEUT.	NO. & WIRE SIZE EGC	CONDUIT SIZE
1	PANEL "10.P"	10.00	83.3			1	100	100	12.0	#1	#1		1 1/4"
2	PANEL "1HL"	5.25		43.8		1	100	60	7.2	#1	#1		1 1/4"
3	PANEL "2HL"	10.00			83.3	1	100	100	12.0	#1	#1		1 1/4"
4	PANEL "3HL"	5.25	43.8			1	100	60	7.2	#4	#4		1"
5	PANEL "4HL"	5.25		43.8		1	100	60	7.2	#4	#4		1"
6	PANEL "5HL"	4.25			35.4	1	100	60	7.2	#4	#4		1"
7	PANEL "6HL"	4.25	35.4			1	100	60	7.2	#4	#4		1"
8	PANEL "7HL"	4.25		35.4		1	100	60	7.2	#4	#4		1"
9	PANEL "8HL"	4.25			35.4	1	100	60	7.2	#4	#4		1"
10	PANEL "9HL"	5.38	44.8			1	100	125	15.0	#1	#1		1 1/4"
	TOTALS	58.13	207.3	122.9	154.2								

ONE LINE DIAGRAM - EXISTING CONDITIONS

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LYNCHBURG, VIRGINIA

ONE LINE DIAGRAM
EXISTING CONDITIONS

DATE ISSUED: 06/30/14
SCALE: GRAPHIC
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DRAWING NO.
E1.0
2 OF 13
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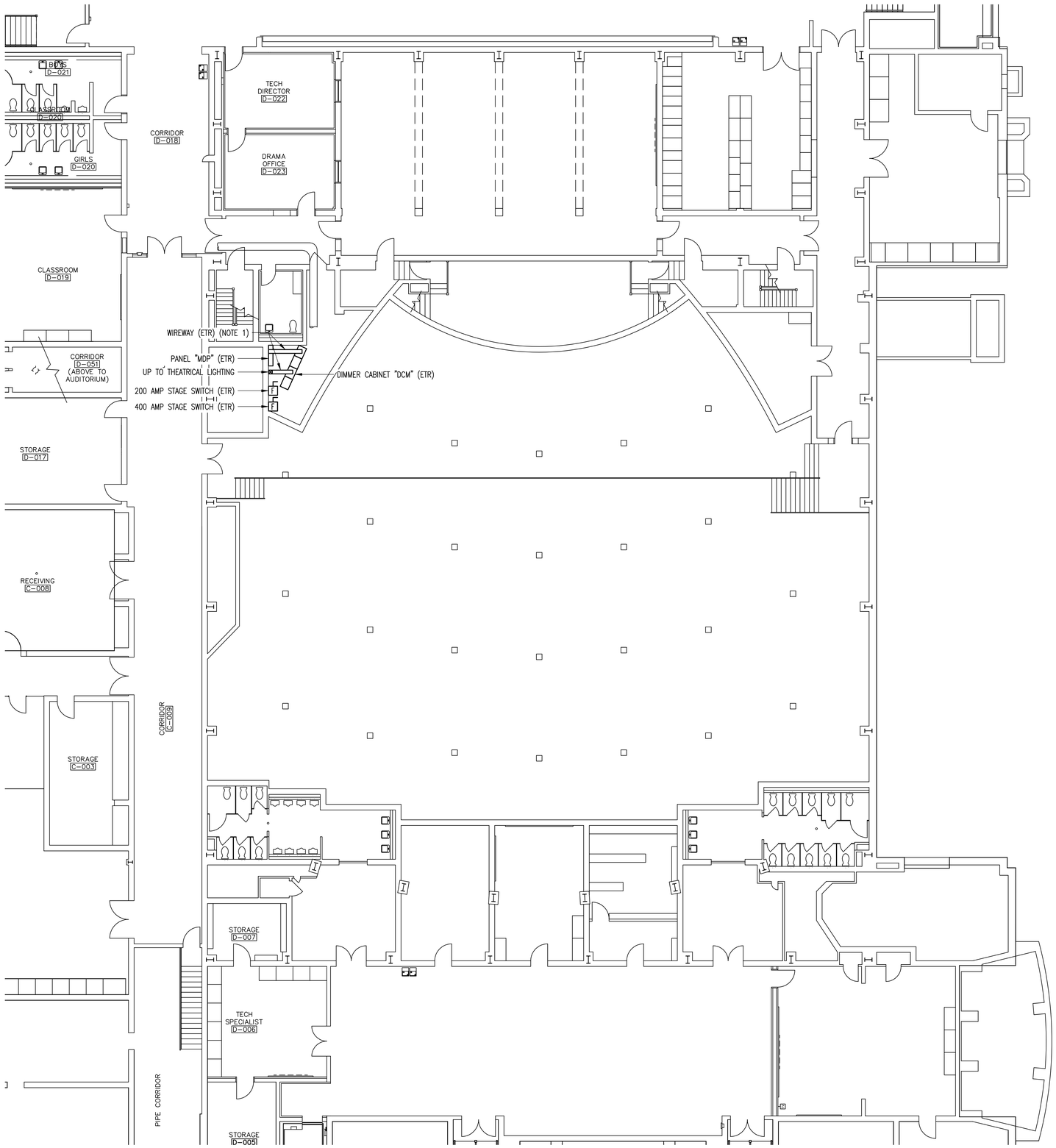

NOTES (DRAWING NO. E1.1)

1. FOR CONDUIT TYPE, QUANTITY, SIZE AND FILL, SEE ONE LINE DIAGRAGM – EXISTING CONDITIONS.

LIGHTING - BASEMENT - EXISTING CONDITIONS

8' 0' 8' 16'
1/8" = 1'-0"
GRAPHIC SCALE

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LIGHTING - BASEMENT
EXISTING CONDITIONS

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JOB. NO.	372-028
DESIGNED:	WGM
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APPROVED:	WGM

DRAWING NO.
E1.1
3 OF 13
REVISION

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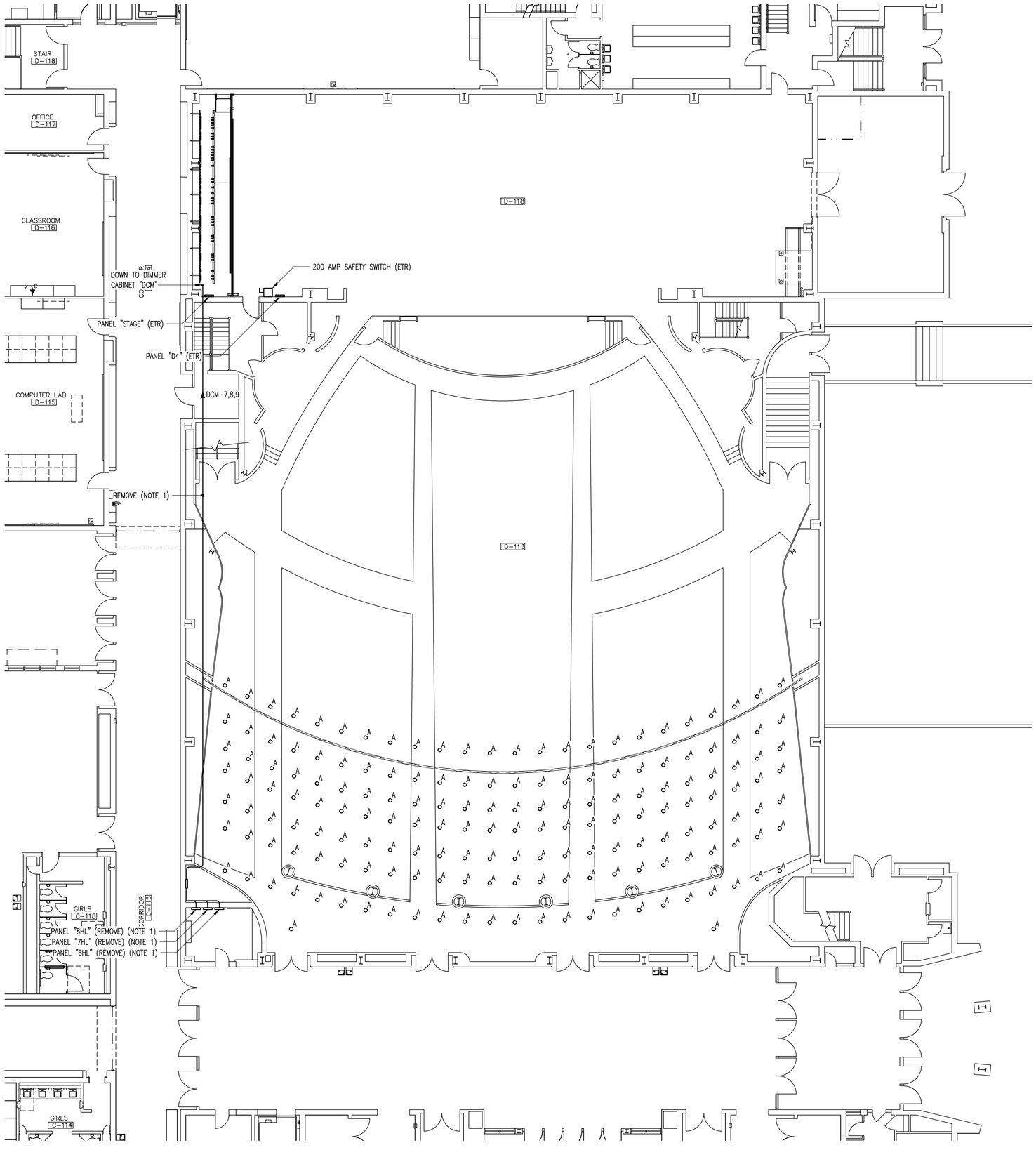

NOTES (DRAWING NO. E1.2)

1. DO NOT REMOVE UNTIL REPLACEMENT HOUSE LIGHTING SYSTEM IS OPERATIONAL AND ACCEPTED.

PANEL SCHEDULES

PANEL 6HL
- CKT #1, 1P, 20 AT: LIGHTS UNDER LOWER BALCONY
- CKT #2, 1P, 20 AT: LIGHTS UNDER LOWER BALCONY
- CKT #3, 1P, 20 AT: LIGHTS UNDER LOWER BALCONY
- CKT #4, 1P, 20 AT: LIGHTS UNDER LOWER BALCONY

PANEL 7HL
- CKT #1, 1P, 20 AT: LIGHTS UNDER LOWER BALCONY
- CKT #2, 1P, 20 AT: LIGHTS UNDER LOWER BALCONY
- CKT #3, 1P, 20 AT: LIGHTS UNDER LOWER BALCONY
- CKT #4, 1P, 20 AT: LIGHTS UNDER LOWER BALCONY

PANEL 8HL
- CKT #1, 1P, 20 AT: LIGHTS UNDER LOWER BALCONY
- CKT #2, 1P, 20 AT: LIGHTS UNDER LOWER BALCONY
- CKT #3, 1P, 20 AT: LIGHTS UNDER LOWER BALCONY
- CKT #4, 1P, 20 AT: LIGHTS UNDER LOWER BALCONY

LIGHTING - FIRST FLOOR - EXISTING CONDITIONS

8' 0' 8' 16'
1/8" = 1'-0"
GRAPHIC SCALE

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LIGHTING - FIRST FLOOR
EXISTING CONDITIONS

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APPROVED:	WGM

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4 OF 13

REVISION

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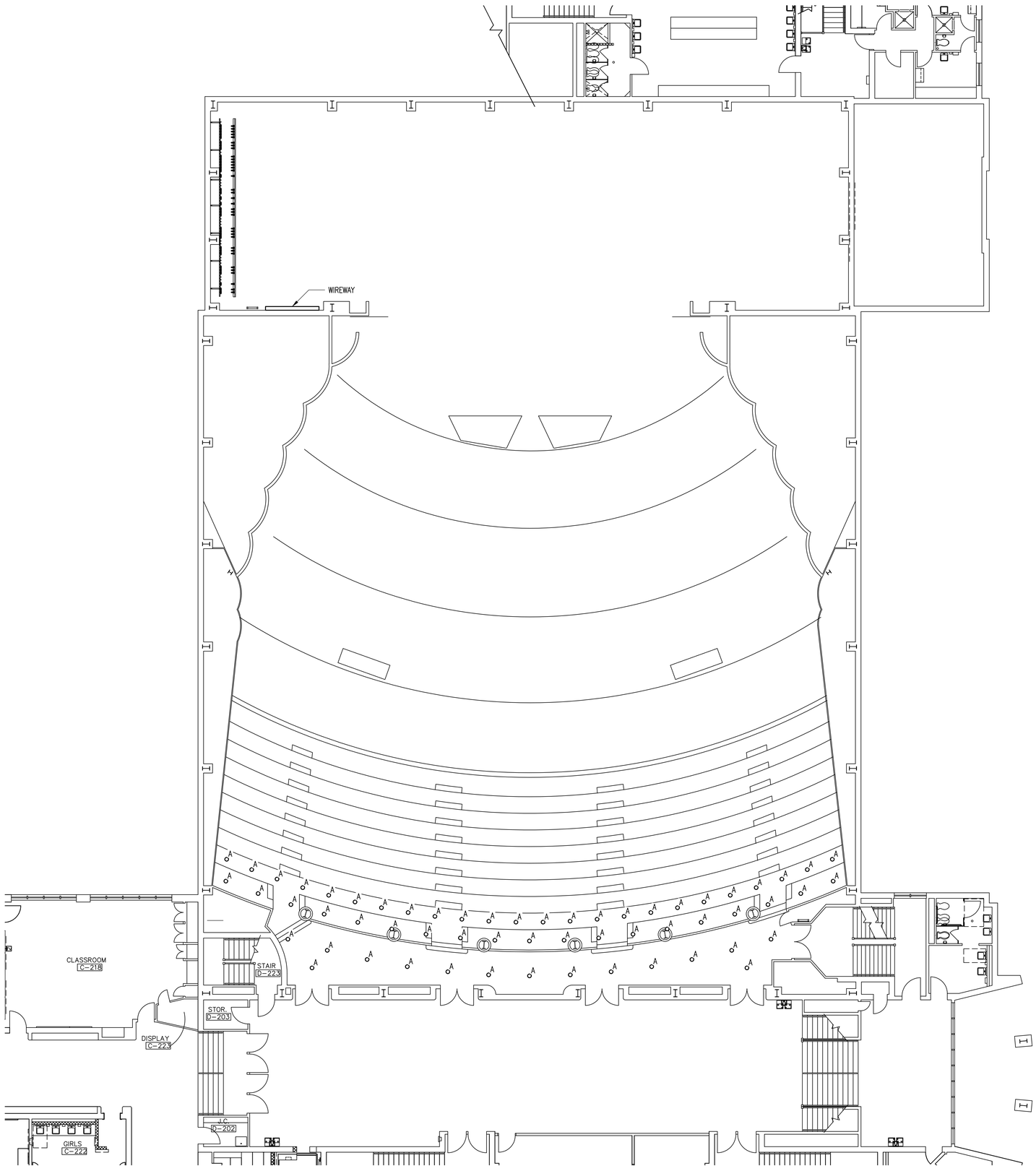

NOTES (DRAWING NO. E1.3)

LIGHTING - SECOND FLOOR - EXISTING CONDITIONS

8' 0' 8' 16'
1/8" = 1'-0"
GRAPHIC SCALE

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LIGHTING - SECOND FLOOR
EXISTING CONDITIONS

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DRAWING NO.
E1.3
5 OF 13
REVISION

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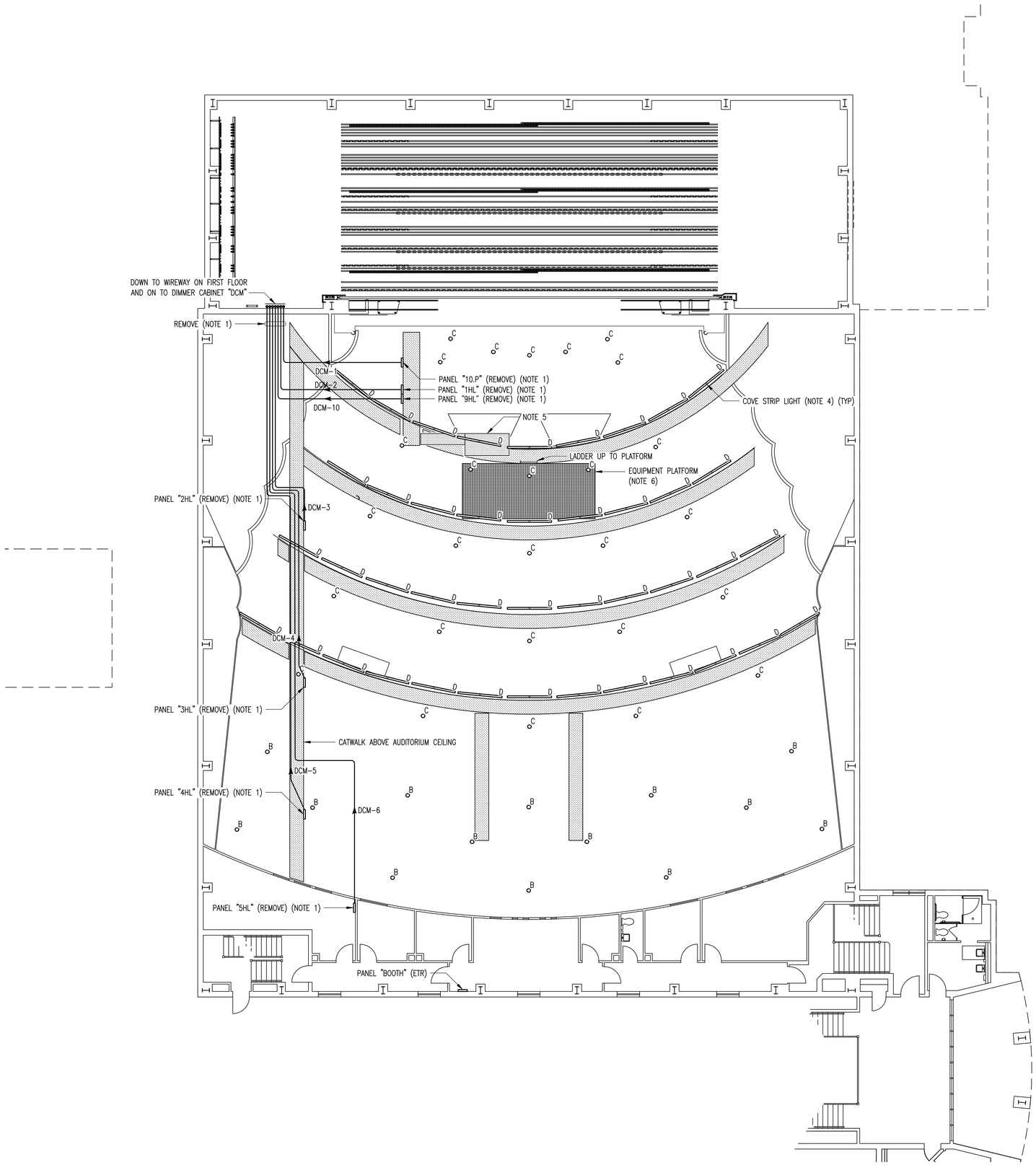

NOTES (DRAWING NO. E1.4)

1. DO NOT REMOVE UNTIL REPLACEMENT HOUSE LIGHTING SYSTEM IS OPERATING AND HAS BEEN ACCEPTED.
2. FOR CONDUIT TYPE, QUANTITY, SIZE AND FILL, SEE ONE LINE DIAGRAGM – EXISTING CONDITIONS.
3. REMOVE TYPE "B" AND "C" FIXTURES.
4. TYPE "D" FIXTURES HAVE FOUR, 32 WATT, T8 LAMPS EACH.
5. REMOVE PLYWOOD DECKING (1½ SHEETS).
6. DESIGN AND CONSTRUCT A 24' x 10' EQUIPMENT PLATFORM OF METAL BAR GRATE SPANNING EXISTING, STEEL BEAMS. BEAMS ARE ON 6' CENTERS. DESIGN PLATFORM FOR A MINIMUM LIVE LOAD OF 60 PSF PLUS EQUIPMENT LOADS. PROVIDE METAL LADDER, HANDRAILS AND TOE PLATES. DESIGN IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE (2009) AND THE AISC STEEL DESIGN MANUAL (13TH EDITION).

PANEL SCHEDULES

PANEL 10.P
- CKT #1, 1P, 20 ?? AT: LIGHT OVER PIT (2000 W T-30)
- CKT #2, 1P, 20 ?? AT: LIGHT OVER PIT (2000 W T-30)
- CKT #3, 1P, 20 ?? AT: LIGHT OVER PIT (2000 W T-30)
- CKT #4, 1P, 20 ?? AT: LIGHT OVER PIT (2000 W T-30)
- CKT #5, 1P, 20 ?? AT: LIGHT OVER PIT (2000 W T-30)

PANEL 1HL
- CKT #1, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #2, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #3, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #4, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #5, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #6, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #7, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)

PANEL 2HL
- CKT #1, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #2, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #3, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #4, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #5, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #6, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #7, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #8, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #9, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #10, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)

PANEL 3HL
- CKT #1, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #2, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #3, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #4, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #5, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)

PANEL 4HL
- CKT #1, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #2, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #3, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #4, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #5, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #6, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)
- CKT #7, 1P, 20 AT: LIGHTS AUDIORIUM (1000 W T-24)

PANEL 5HL
- CKT #1, 1P, 20 AT: LIGHTS UNDER UPPER BALCONY
- CKT #2, 1P, 20 AT: LIGHTS UNDER UPPER BALCONY
- CKT #3, 1P, 20 AT: LIGHTS UNDER UPPER BALCONY
- CKT #4, 1P, 20 AT: LIGHTS UNDER UPPER BALCONY

PANEL 9HL
- CKT #1, 1P, 20 AT: LIGHTS COVE STRIP LIGHTS
- CKT #2, 1P, 20 AT: LIGHTS COVE STRIP LIGHTS
- CKT #3, 1P, 20 AT: LIGHTS COVE STRIP LIGHTS
- CKT #4, 1P, 20 AT: LIGHTS COVE STRIP LIGHTS
- CKT #5, 1P, 20 AT: LIGHTS COVE STRIP LIGHTS
- CKT #6, 1P, 20 AT: LIGHTS COVE STRIP LIGHTS
- CKT #7, 1P, 20 AT: LIGHTS COVE STRIP LIGHTS
- CKT #8, 1P, 20 AT: LIGHTS COVE STRIP LIGHTS
- CKT #9, 1P, 20 AT: LIGHTS COVE STRIP LIGHTS

LIGHTING - THIRD FLOOR - EXISTING CONDITIONS

8' 0' 8' 16'
1/8" = 1'-0"
GRAPHIC SCALE

REVISIONS:

COMMONWEALTH OF VIRGINIA
WALTER G. MILES
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STAGE UPGRADES
E.C. GLASS HIGH SCHOOL
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LIGHTING - THIRD FLOOR
EXISTING CONDITIONS

DATE ISSUED:	06/30/14
SCALE:	GRAPHIC
JOB. NO.	372-028
DESIGNED:	WGM
DRAWN:	WGM
CHECKED:	WGM
APPROVED:	WGM

DRAWING NO.
E1.4
6 OF 13
REVISION

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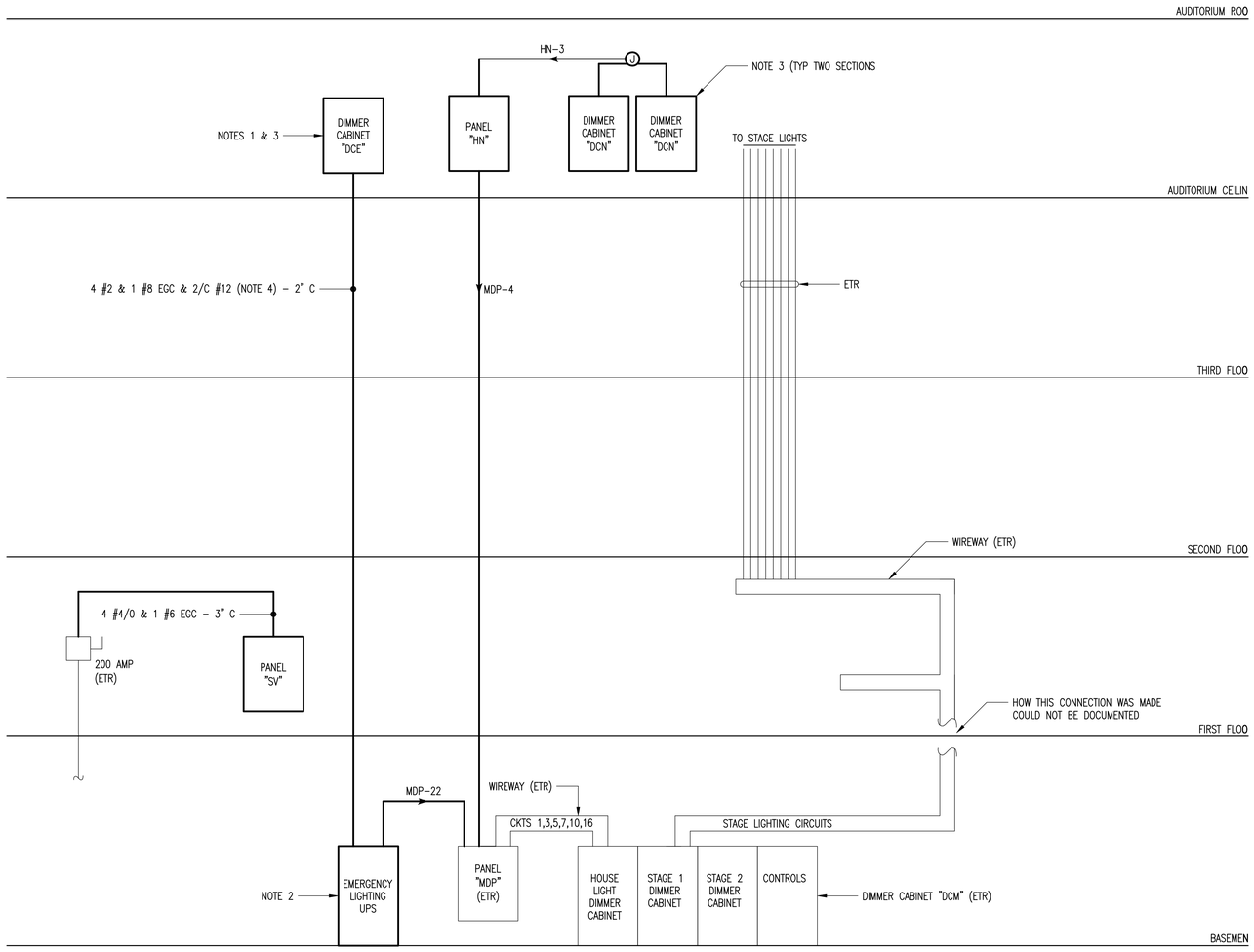

GENERAL NOTES

1. REVIEW DRAWINGS TL-100 THRU TL-111, TR-100 THRU TR-110 AND TS-100 THRU TS-104 AND PERFORM WORK DESIGNATED TO BE "BY ELECTRICAL CONTRACTOR".

NOTES (DRAWING NO. E2.0)

1. WHEN POWER IS LOST TO DIMMER CABINET "DCN", THE DIMMERS IN DIMMER CABINET "DCE" WILL GO INTO FULL OUTPUT MODE PROVIDING CODE-MANDATED EMERGENCY EGRESS ILLUMINATION.
2. EMERGENCY LIGHTING UPS. MYERS POWER PRODUCTS ILLUMINATOR CIII MODEL NUMBER 1-D-24-S-90-C9001-C-2YW; 24.0 KVA, 120 / 208 VOLT, 3-PHASE, 4-WIRE INPUT AND OUTPUT; FORM "C" ALARM CONTACT INDICATING COMMERCIAL POWER LOSS. OUTPUT BREAKER SHALL BE 100 AF, 3P, 90 AT. HERE IS ONLY 7'-4" OF HEADROOM ABOVE THE UPS.
3. FURNISHED BY THE THEATER LIGHTING CONTRACTOR, INSTALLED BY THE ELECTRICAL CONTRACTOR.
4. 2/C #12 SHALL BE CONNECTED TO THE FORM "C" (COMMERCIAL POWER LOSS) CONTACT IN THE EMERGENCY LIGHTING UPS. THEATER LIGHTING CONTRACTOR WILL MAKE CONNECTION IN DIMMER CABINET "DCE".

PANEL "HN" SCHEDULE

PANELBOARD CHARACTERISTICS:
VOLTS: 120 / 208
PHASES: 3
WIRES: 4
SOLID NEUTRAL
GROUND BAR
MINIMUM SHORT CIRCUIT RATING: 22,000 RMS SYM AMPS
MAIN BREAKER: 400 AF, 3P, 400 AT

CKT. NO.	POLE NO.	DESCRIPTION	CONN. KVA	CONN. AMPS A	CONN. AMPS B	CONN. AMPS C	BREAKER P	BREAKER AF	BREAKER AT	NO. & WIRE SIZE PHASE	NEUT.	EGC	CONDUIT SIZE
	1			123.3						#4/0			
3	3	DIMMER CABINET "DCN"	43.25		120.6		3	225	200	#4/0	#4/0	#6	3"
	5					116.5				#4/0			
7	7	eDIN	0.60	5.0			1	100	20	#12	#12	#12	3/4"
	9	SPACE & BUS ONLY					1	100					
	11	"					"	"					
	13	"					"	"					
	15	"					"	"					
	17	"					"	"					
	19	"					"	"					
	21	"					"	"					
	23	"					"	"					
	25	"					"	"					
	27	"					"	"					
	29	"					"	"					
	31	"					"	"					
	33	"					"	"					
	35	"					"	"					
	37	"					"	"					
	39	"					"	"					
	41	"					"	"					
	2			12.5						#12			
4	4	LPR1 DIMMING BARS	4.50		12.5		3	100	20	#12	#12	#12	3/4"
	6					12.5				#12			
	8			12.5						#12			
10	10	LPR2 DIMMING BARS	4.50		12.5		3	100	20	#12	#12	#12	3/4"
	12					12.5				#12			
	14			12.5						#12			
16	16	LPR3 DIMMING BARS	4.50		12.5		3	100	20	#12	#12	#12	3/4"
	18					12.5				#12			
	20			12.5						#12			
22	22	LPR4 DIMMING BARS	4.50		12.5		3	100	20	#12	#12	#12	3/4"
	24					12.5				#12			
	26												
28	28	SPARE					3	100	20				
	30												
	32	SPACE & BUS ONLY					1	100					
	34	"					"	"					
	36	"					"	"					
	38	"					"	"					
	40	"					"	"					
	42	"					"	"					
		TOTALS	61.85	178.3	170.6	166.5							

PANEL "MDP" SCHEDULE (ETR) (Reworked)

PANELBOARD CHARACTERISTICS:
VOLTS: 120 / 208
PHASES: 3
WIRES: 4
SOLID NEUTRAL
GROUND BAR
MINIMUM SHORT CIRCUIT RATING: xx,xxx RMS SYM AMPS
MANUFACTURER, CAT. NO: SQUARE D I-LINE
MAIN LUGS: ??? AMPERES

CKT. NO.	POLE NO.	DESCRIPTION	CONN. KVA	CONN. AMPS A	CONN. AMPS B	CONN. AMPS C	BREAKER P	BREAKER AF	BREAKER AT	NO. & WIRE SIZE PHASE	NEUT.	EGC	CONDUIT SIZE
1	1	DIMMER CONTROLS					1	100	20	EXIST	EXIST	EXIST	EXIST
3	3	DIMMER CONTROLS					1	100	20	EXIST	EXIST	EXIST	EXIST
5	5	DIMMER CONTROLS					1	100	20	EXIST	EXIST	EXIST	EXIST
7	7	EMERGGENCY LIGHTS					1	100	20	EXIST	EXIST	EXIST	EXIST
	9	SPACE & BUS ONLY					1	100					
	11	"					"	"					
	13	"					"	"					
	15	"					"	"					
	17	"					"	"					
	19	"					"	"					
	21	"					"	"					
	23	"					"	"					
	25	"					"	"					
	27	"					"	"					
	29	"					"	"					
	2			***178.3***						***#250***			
4	4	***PANEL "HN"***	***61.85***		***170.6***		3	400	250	***#250***	***#250***	***#2***	***3"***
	6					***166.5***				***#250***			
	8									EXIST			
10	10	STAGE LIGHTS 1					3	400	400	EXIST	EXIST	EXIST	EXIST
	12									EXIST			WIREWAY
	14									EXIST			
16	16	STAGE LIGHTS 2					3	400	400	EXIST	EXIST	EXIST	EXIST
	18									EXIST			WIREWAY
	20			***35.8***						***#2***			
22	22	***EMERGENCY LIGHTING UPS***	***12.90***		***38.3***		***3***	***100***	***100***	***#2***	***#2***	***#8***	***1 1/2"***
	24	***(24 KVA)***				***33.3***				***#2***			
	26	SPACE & BUS ONLY					1	100					
	28	"					"	"					
	30	"					"	"					
		TOTALS	74.75	214.2	208.9	199.8							

DIMMER CABINET "DCM" SCHEDULE (House light section) (ETR) (Reworked)

CABINET CHARACTERISTICS:
VOLTS: 120 / 208 VOLTS
PHASES: 3
WIRES: 4
SOLID NEUTRAL, GROUND BAR
MAIN LUGS: ??? AMPERES

CKT. NO.	DESCRIPTION	CONN. KVA	CONN. AMPS A	CONN. AMPS B	CONN. AMPS C	BREAKER P	BREAKER AF	BREAKER AT	DIMMER KW	NO. & WIRE SIZE PHASE	NEUT.	EGC	CONDUIT SIZE
1	PANEL "1D.P"					1	100	100	12.0	***REMOVE***			
2	PANEL "1HL"					1	100	60	7.2	***REMOVE***			
3	PANEL "2HL"					1	100	100	12.0	***REMOVE***			
4	PANEL "3HL"					1	100	60	7.2	***REMOVE***			
5	PANEL "4HL"					1	100	60	7.2	***REMOVE***			
6	PANEL "5HL"					1	100	60	7.2	***REMOVE***			
7	PANEL "6HL"					1	100	60	7.2	***REMOVE***			
8	PANEL "7HL"					1	100	60	7.2	***REMOVE***			
9	PANEL "8HL"					1	100	60	7.2	***REMOVE***			
10	PANEL "9HL"					1	100	125	15.0	***REMOVE***			
	TOTALS												

ONE LINE DIAGRAM - REWORKED & POWER SCHEDULES

REVISIONS:

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WALTER G. MILES
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STAGE UPGRADES
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LYNCHBURG CITY SCHOOLS
LYNCHBURG, VIRGINIA

ONE LINE DIAGRAM - REWORKED & POWER SCHEDULES

DATE ISSUED: 06/30/14
SCALE: GRAPHIC
JOB. NO. 372-028
DESIGNED: WGM
DRAWN: WGM
CHECKED: WGM
APPROVED: WGM

DRAWING NO.
E2.0
7 OF 13
REVISION

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DIMMER CABINET "DCN" SCHEDULE (Section 1)

CABINET CHARACTERISTICS:
VOLTS: 120 / 208 VOLTS
PHASES: 3
WIRES: 4
SOLID NEUTRAL, GROUND BAR

MAIN BREAKER: 225 AF, 3P, 150AT

CKT. NO.	DESCRIPTION	CONN. KVA	CONN. AMPS A	B	C	BREAKER P	AF	AT	DIMMER KW	NO. & WIRE SIZE PHASE	NEUT.	EGC	CONDUIT SIZE
1	HOUSE LIGHTS – NEAR STAGE	1.50	12.5			1	100	20	2.4	#12	#12	#12	3/4"
2	HOUSE LIGHTS – MID–HOUSE	1.50		12.5		1	100	20	2.4	#12	#12		
3	HOUSE LIGHTS – MID–HOUSE	1.50			12.5	1	100	20	2.4	#12	#12	#12	3/4"
4	HOUSE LIGHTS – MID–HOUSE & NEAR STAGE	1.50	12.5			1	100	20	2.4	#12	#12		
5	HOUSE LIGHTS – MID–HOUSE	1.50		12.5		1	100	20	2.4	#12	#12		
6	HOUSE LIGHTS – MID–HOUSE	1.50			12.5	1	100	20	2.4	#12	#12	#12	3/4"
7	HOUSE LIGHTS – MID–HOUSE	1.50	12.5			1	100	20	2.4	#12	#12		
8	HOUSE LIGHTS – ABOVE BALCONY	1.00		8.3		1	100	20	2.4	#10	#10	#12	3/4"
9	HOUSE LIGHTS – ABOVE BALCONY	1.00			8.3	1	100	20	2.4	#10	#10		
10	HOUSE LIGHTS – ABOVE BALCONY	1.80	15.0			1	100	20	2.4	#10	#10	#12	3/4"
11	HOUSE LIGHTS – ABOVE BALCONY	1.35		11.3		1	100	20	2.4	#10	#10		
12	HOUSE LIGHTS – ABOVE BALCONY	1.50			12.5	1	100	20	2.4	#10	#10	#10	3/4"
13	HOUSE LIGHTS – ABOVE BALCONY	1.05	8.8			1	100	20	2.4	#10	#10		
14	HOUSE LIGHTS – BELOW BALCONY	1.80		15.0		1	100	20	2.4	#10	#10		
15	HOUSE LIGHTS – BELOW BALCONY	1.80			15.0	1	100	20	2.4	#10	#10	#10	3/4"
16	HOUSE LIGHTS – BELOW BALCONY	1.80	15.0			1	100	20	2.4	#10	#10		
17	HOUSE LIGHTS – BELOW BALCONY	1.80		15.0		1	100	20	2.4	#10	#10	#10	3/4"
18	HOUSE LIGHTS – BELOW BALCONY	1.80			15.0	1	100	20	2.4	#10	#10		
	TOTALS	27.20	76.3	74.6	75.8								

DIMMER CABINET "DCN" SCHEDULE (Section 2)

CABINET CHARACTERISTICS:
VOLTS: 120 / 208 VOLTS
PHASES: 3
WIRES: 4
SOLID NEUTRAL, GROUND BAR

MAIN BREAKER: 225 AF, 3P, 150AT

CKT. NO.	DESCRIPTION	CONN. KVA	CONN. AMPS A	B	C	BREAKER P	AF	AT	DIMMER KW	NO. & WIRE SIZE PHASE	NEUT.	EGC	CONDUIT SIZE
19	HOUSE LIGHTS – BELOW BALCONY	1.80	15.0			1	100	20	2.4	#10	#10	#10	3/4"
20	HOUSE LIGHTS – BELOW BALCONY	1.80		15.0		1	100	20	2.4	#10	#10		
21	HOUSE LIGHTS – BELOW BALCONY	1.80			15.0	1	100	20	2.4	#10	#10	#10	3/4"
22	HOUSE LIGHTS – BELOW BALCONY	1.80	15.0			1	100	20	2.4	#10	#10		
23	HOUSE LIGHTS – BELOW BALCONY	1.80		15.0		1	100	20	2.4	#10	#10	#10	3/4"
24	HOUSE LIGHTS – BELOW BALCONY	1.80			15.0	1	100	20	2.4	#10	#10		
25	HOUSE COVE LIGHTS	0.77	6.4			1	100	20	RELAY	#12	#12	#12	3/4"
26	HOUSE COVE LIGHTS	0.77		6.4		1	100	20	RELAY	#12	#12		
27	HOUSE COVE LIGHTS	0.77			6.4	1	100	20	RELAY	#12	#12	#12	3/4"
28	HOUSE COVE LIGHTS	0.64	5.3			1	100	20	RELAY	#12	#12		
29	HOUSE COVE LIGHTS	0.64		5.3		1	100	20	RELAY	#12	#12	#12	3/4"
30	HOUSE COVE LIGHTS	0.51			4.3	1	100	20	RELAY	#12	#12		
31	HOUSE COVE LIGHTS	0.64	5.3			1	100	20	RELAY	#12	#12	#12	3/4"
32	HOUSE COVE LIGHTS	0.51		4.3		1	100	20	RELAY	#12	#12		
33	SPARE					1	100	20	RELAY				
34	SPARE					1	100	20	RELAY				
35	SPARE					1	100	20	RELAY				
36	SPARE					1	100	20	RELAY				
37	SPACE & BUS ONLY												
38	"												
39	"												
40	"												
41	"												
42	"												
43	"												
44	"												
45	"												
46	"												
47	"												
48	"												
49	"												
50	"												
51	"												
52	"												
53	"												
54	"												
	TOTALS	16.05	47.1	46.0	40.7								

PANEL "SV" SCHEDULE

PANELBOARD CHARACTERISTICS:
VOLTS: 120 / 208
PHASES: 3
WIRES: 4

SOLID NEUTRAL
GROUND BAR
MINIMUM SHORT CIRCUIT RATING: 22,000 RMS SYM AMPS

MAIN BREAKER: 225 AF, 3P, 225 AT

CKT. NO.	POLE NO.	DESCRIPTION	CONN. KVA	CONN. AMPS A	B	C	BREAKER P	AF	AT	NO. & WIRE SIZE PHASE	NEUT.	EGC	CONDUIT SIZE
1	1	SOUND RACK "RS1"	0.60	5.0			1	100	20	#10	#10		
3	3	SOUND RACK "RS1"	0.60		5.0		1	100	20	#10	#10	#10	1"
5	5	SOUND RACK "RS1"	1.20			10.0	1	100	20	#10	#10		
7	7	SOUND RACK "RS1"	1.20	10.0			1	100	20	#10	#10		
9	9	SOUND RACK "RS2"	0.60		5.0		1	100	20	#12	#12		
11	11	SOUND RACK "RS2"	0.60			5.0	1	100	20	#12	#12	#12	3/4"
13	13	SOUND RACK "RS2"	1.20	10.0			1	100	20	#12	#12		
15	15	SOUND RACK "RS2"	1.20		10.0		1	100	20	#12	#12		
17	17	SOUND RACK "RS2"	1.20			10.0	1	100	20	#12	#12	#12	3/4"
19	19	SOUND RACK "RS2"	1.20	10.0			1	100	20	#12	#12		
21	21	SOUND RACK "RS2"	1.20		10.0		1	100	20	#12	#12		
23	23	SOUND RACK "RS2"	1.20			10.0	1	100	20	#12	#12	#12	3/4"
25	25	SOUND RACK "RS2"	1.20	10.0			1	100	20	#12	#12		
27	27	VIDEO PROJECTOR	1.20		10.0		1	100	20	#12	#12	#12	3/4"
29	29	SPARE					1	100	20				
31	31	SPARE					1	100	20				
33	33	SPARE					1	100	20				
35	35	SPARE					1	100	20				
37	37	SPARE					1	100	20				
39	39	SPARE					1	100	20				
41	41	SPARE					1	100	20				
	2			40.0						#8			
4	4	SPEAKER "SCLGS"	14.40		40.0		3	100	50	#8	---	#10	1"
	6					40.0				#8			
	8			40.0						#8			
10	10	SPEAKER "SCRGS"	14.40		40.0		3	100	50	#8	---	#10	1"
	12					40.0				#8			
	14												
16	16	SPARE					3	100	50				
	18												
20	20	WORK LIGHTS ON ELECTRICS	1.20	10.0			1	100	20	#12	#12	#12	3/4"
22	22	WORK LIGHTS ON ELECTRICS	1.20		10.0		1	100	20	#12	#12		
24	24	WORK LIGHTS ON ELECTRICS	1.20			10.0	1	100	20	#12	#12	#12	3/4"
26	26	WORK LIGHTS ON ELECTRICS	1.20	10.0			1	100	20	#12	#12		
28	28	WORK LIGHTS ON ELECTRICS	1.20		10.0		1	100	20	#12	#12	#12	3/4"
30	30	WORK LIGHTS ON ELECTRICS	1.20			10.0	1	100	20	#12	#12		
32	32	WORK LIGHTS ON ELECTRICS	1.20	10.0			1	100	20	#12	#12	#12	3/4"
34	34	WORK LIGHTS ON ELECTRICS	1.20		10.0		1	100	20	#12	#12		
36	36	SPARE					1	100	20				
38	38	SPARE					1	100	20				
40	40	SPARE					1	100	20				
42	42	SPARE					1	100	20				
		TOTALS	52.80	155.0	150.0	135.0							

DIMMER CABINET "DCE" SCHEDULE

CABINET CHARACTERISTICS:
VOLTS: 120 / 208 VOLTS
PHASES: 3
WIRES: 4
SOLID NEUTRAL, GROUND BAR

MAIN BREAKER: 100 AF, 3P, 100 AT

CKT. NO.	DESCRIPTION	CONN. KVA	CONN. AMPS A	B	C	BREAKER P	AF	AT	DIMMER KW	NO. & WIRE SIZE PHASE	NEUT.	EGC	CONDUIT SIZE
1	HOUSE LIGHTS – EGRESS – NEAR STAGE	1.00	8.3			1	100	20	2.4	#12	#12		
2	HOUSE LIGHTS – EGRESS – MID–HOUSE & ABOVE BALCONY	1.00		8.3		1	100	20	2.4	#12	#12	#12	3/4"
3	HOUSE LIGHTS – EGRESS – ABOVE BALCONY	1.00			8.3	1	100	20	2.4	#12	#12		
4	HOUSE LIGHTS – EGRESS – ABOVE BALCONY	1.50	12.5			1	100	20	2.4	#10	#10	#10	3/4"
5	HOUSE LIGHTS – EGRESS – ABOVE BALCONY	1.80		15.0		1	100	20	2.4	#10	#10	#10	3/4"
6	HOUSE LIGHTS – EGRESS – ABOVE BALCONY	1.20			10.0	1	100	20	2.4	#10	#10		
7	HOUSE LIGHTS – EGRESS – BELOW BALCONY	1.80	15.0			1	100	20	2.4	#10	#10		
8	HOUSE LIGHTS – EGRESS – BELOW BALCONY	1.80		15.0		1	100	20	2.4	#10	#10	#10	3/4"
9	HOUSE LIGHTS – EGRESS – BELOW BALCONY	1.80			15.0	1	100	20	2.4	#10	#10		
10	SPARE					1	100	20	2.4				
11	SPARE					1	100	20	2.4				
12	SPARE					1	100	20	2.4				
	TOTALS	12.90	35.8	38.3	33.3								

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER *	VOLTAGE	VOLT–AMPERES (MAXIMUM)	LAMPS QTY	LAMPS TYPE **	BALLAST	DESCRIPTION
A	UNKNOWN	UNKNOWN	120	150	1	A–19	N/A	EXISTING INCANDESCENT DOWNLIGHT TO REMAIN. CLEAN AND RELAMP WITH FROSTED, LONG LIFE LAMPS.
B	GOTHAM	GQ–250–W–AR	120	250	1	250Q / CL	NA	6" DIAMETER, QUARTZ, ELLIPSOIDAL DOWNLIGHT
C	GOTHAM	GQ–500–W–AR	120	500	1	500Q/CL EVR	NA	6" DIAMETER, QUARTZ, ELLIPSOIDAL DOWNLIGHT
D	UNKNOWN	UNKNOWN	120	420	4	T–12 HIGH OUTPUT	UNKNOWN	EXISTING FLUORESCENT TO REMAIN. CLEAN AND RELAMP WITH 3000 DEG K LAMPS.

* => CATALOG NUMBERS ARE NOT COMPLETE. SEE VOLTAGE, BALLAST AND DESCRIPTION COLUMNS AS WELL AS SPECIFICATION SECTIONS 265100 AND 265120 FOR ADDITIONAL FEATURES.

POWER & LIGHT FIXTURE SCHEDULES

REVISIONS:

COMMONWEALTH OF VIRGINIA
WALTER G. MILES
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STAGE UPGRADES
E.C. GLASS HIGH SCHOOL
LYNCHBURG CITY SCHOOLS
LYNCHBURG, VIRGINIA

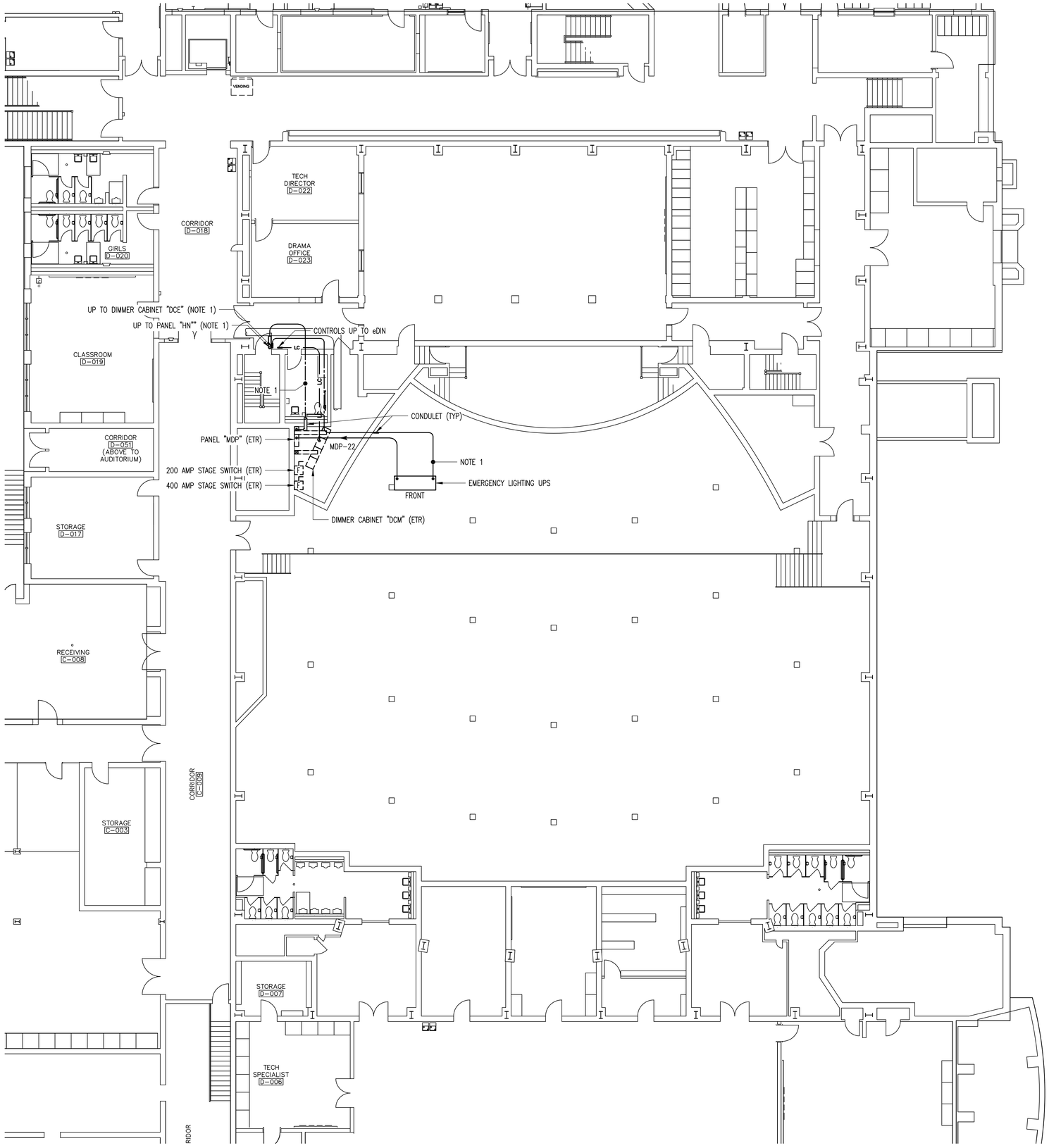
POWER & LIGHT FIXTURE SCHEDULES

DATE ISSUED: 06/30/14
SCALE: GRAPHIC
JOB. NO. 372–028
DESIGNED: WGM
DRAWN: WGM
CHECKED: WGM
APPROVED: WGM

DRAWING NO.
E2.01
8 OF 13

REVISION

P:\372 Lynchburg Public Schools\028 - EC Glass Auditorium\Drawings\Electrical\372-028 E2.00 & 2.01 one line diagram reworked.dwg, 6/25/2014 9:43:12 AM, DWF6 ePlot.pc3



NOTES (DRAWING NO. E2.1)

1. FOR CONDUIT TYPE, QUANTITY, SIZE AND FILL, SEE ONE LINE DIAGRAGM – EXISTING CONDITIONS.

LIGHTING - BASEMENT - REWORKED CONDITIONS

8' 0' 8' 16'
1/8" = 1'-0"
GRAPHIC SCALE

REVISIONS:

COMMONWEALTH OF VIRGINIA
WALTER G. MILES
No.6740
6/30/14
PROFESSIONAL ENGINEER

MASTER ENGINEERS & DESIGNERS
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434-846-1350 Fax: 434-846-1351

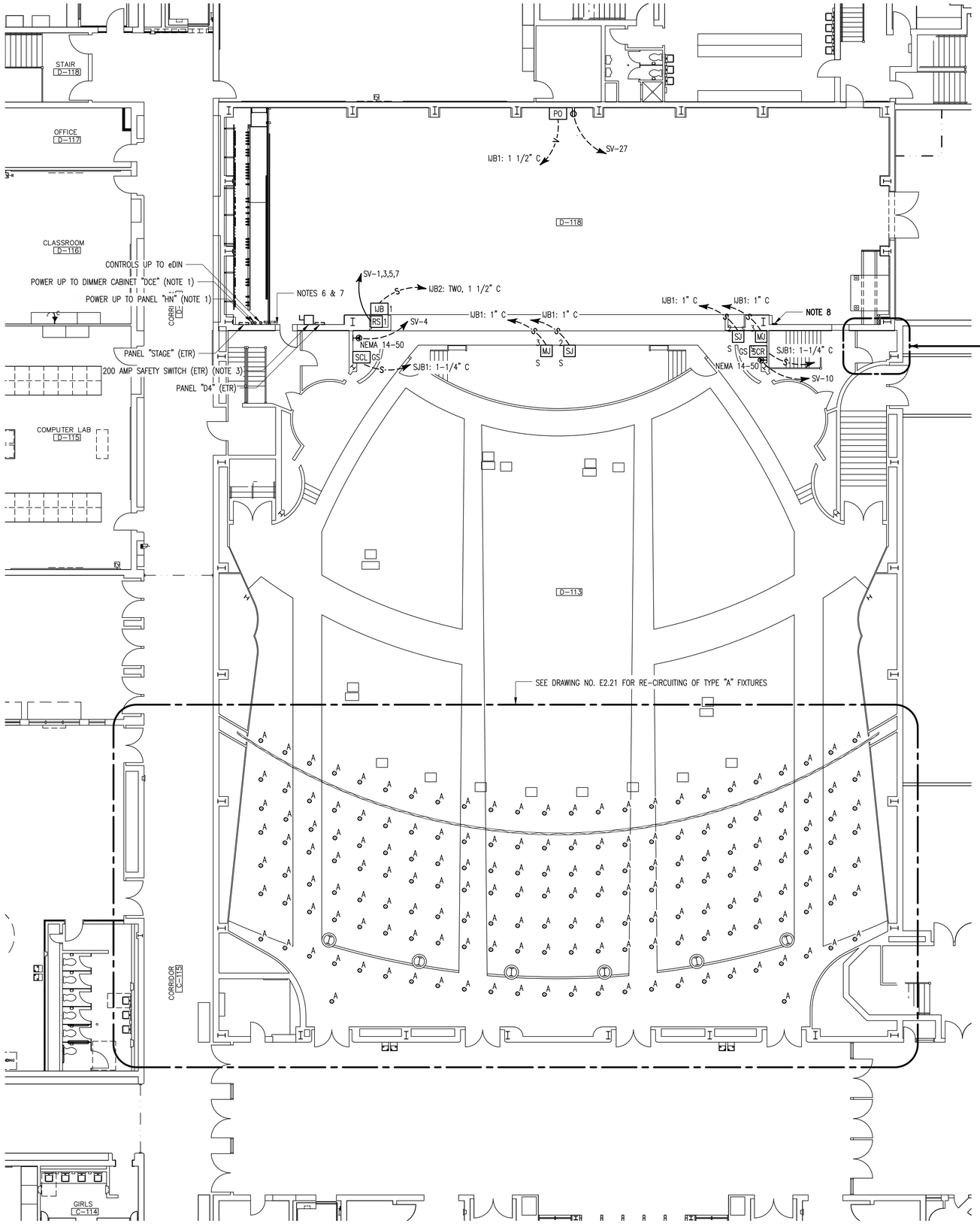
STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG CITY SCHOOLS
LYNCHBURG, VIRGINIA

LIGHTING BASEMENT
REWORKED CONDITIONS

DATE ISSUED:	06/30/14
SCALE:	GRAPHIC
JOB. NO.	372-028
DESIGNED:	WGM
DRAWN:	WGM
CHECKED:	WGM
APPROVED:	WGM

DRAWING NO.
E2.1
9 OF 13
REVISION

P:\372 Lynchburg Public Schools\028 - EC Glass Auditorium\Drawings\Electrical\372-028 E2.10 lighting basement reworked.dwg, 6/25/2014 9:43:15 AM, DWF6 ePlot.pc3



NOTES (DRAWING NO. E2.2)

1. FOR CONDUIT TYPE, QUANTITY, SIZE AND FILL, SEE ONE LINE DIAGRAGM – REWORKED CONDITIONS.
2. TYPE "A" FIXTURES ARE EXISTING, TO REMAIN. RE-CIRCUIT AS INDICATED.
3. USE EXISTING 200 AMP DISCONNECT SWITCH TO FEED PANEL "SV". RUN PANEL "SV" FEEDER AT ELEVATION AT WHICH IT WILL NOT CONFLICT WITH FIRE CURTAIN OR RIGGING.
4. PRIOR TO INSTALLATION, VERIFY LOCATION OF ALL SOUND AND VIDEO EQUIPMENT WITH THEATER CONSULTANT.
5. SJB1, IJB2 AND AJB1 WILL BE IN THE SAME ROOM AS RS2.

   FROM SJB1, RUN TWO, 1-1/2" C TO RS2.

   FROM IJB2, RUN TWO, 1-1/2" C TO RS2.

   FROM AJB1, RUN ONE, 3/4" C TO RS2.
6. INSTALL SIX, GANGED SWITCHES TO CONTROL WALL-MOUNTED WORK LIGHTS PRESENTLY FED FROM PANEL "STAGE".
7. INSTALL EIGHT, GANGED SWITCHES TO CONTROL WORK LIGHTS ON ELECTRICAL LIGHTING BATTENS. INSTALL EIGHT, 1P, 20 AT BREAKERS IN PANEL "STAGE" TO FEED WORK LIGHTS ON ELECTRICAL LIGHTING BATTENS. SEE PLAN ENTITLED "LIGHTING – THIRD FLOOR – REWORKED CONDITIONS" FOR BRANCH CIRCUIT DESTINATIONS.
8. CONNECT REPLACEMENT FIRE CURTAIN RELEASE MECHANISM TO EXISTING FIRE DETECTION AND ALARM SYSTEM FIRE CURTAIN RELEASE DEVICE.

LIGHTING, SOUND & VIDEO
FIRST FLOOR - REWORKED CONDITIONS

8' 0' 8' 16'
1/8" = 1'-0"
GRAPHIC SCALE

REVISIONS:

COMMONWEALTH OF VIRGINIA
WALTER G. MILES
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STAGE UPGRADES
E.C. GLASS HIGH SCHOOL
LYNCHBURG CITY SCHOOLS
LYNCHBURG, VIRGINIA

LIGHTING, SOUND & VIDEO
FIRST FLOOR - REWORKED CONDITIONS

DATE ISSUED:	06/30/14
SCALE:	GRAPHIC
JOB. NO.	372-028
DESIGNED:	WGM
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CHECKED:	WGM
APPROVED:	WGM

DRAWING NO.
E2.2
10 OF 13
REVISION

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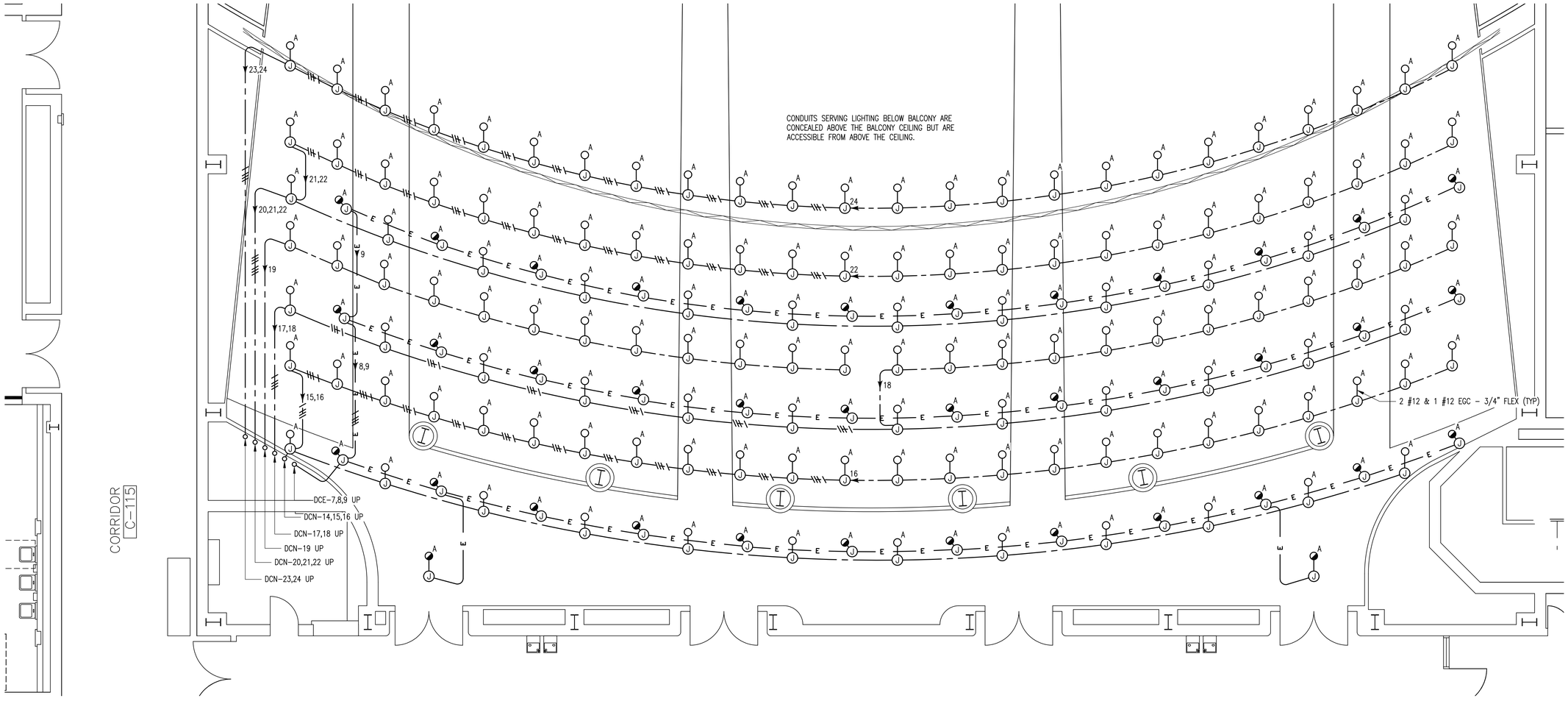
NOTES (DRAWING NO. E2.21)

1. TYPE "A" FIXTURES ARE EXISTING, TO REMAIN. RE-CIRCUIT AS INDICATED.
2. SIX, TYPE "A" FIXTURES ARE MISSING FRESNEL LENSES. INSTALL REPLACEMENT LENSES.



LIGHTING - FIRST FLOOR - REWORKED CONDITIONS

4' 0' 4' 8'
1/4" = 1'-0"
GRAPHIC SCALE

REVISIONS:

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6/30/14
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STAGE UPGRADES
E.C. GLASS HIGH SCHOOL
LYNCHBURG CITY SCHOOLS
LYNCHBURG, VIRGINIA

LIGHTING - FIRST FLOOR
REWORKED CONDITIONS

DATE ISSUED:	06/30/14
SCALE:	GRAPHIC
JOB. NO.	372-028
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DRAWN:	WGM
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E2.21
11 OF 13
REVISION

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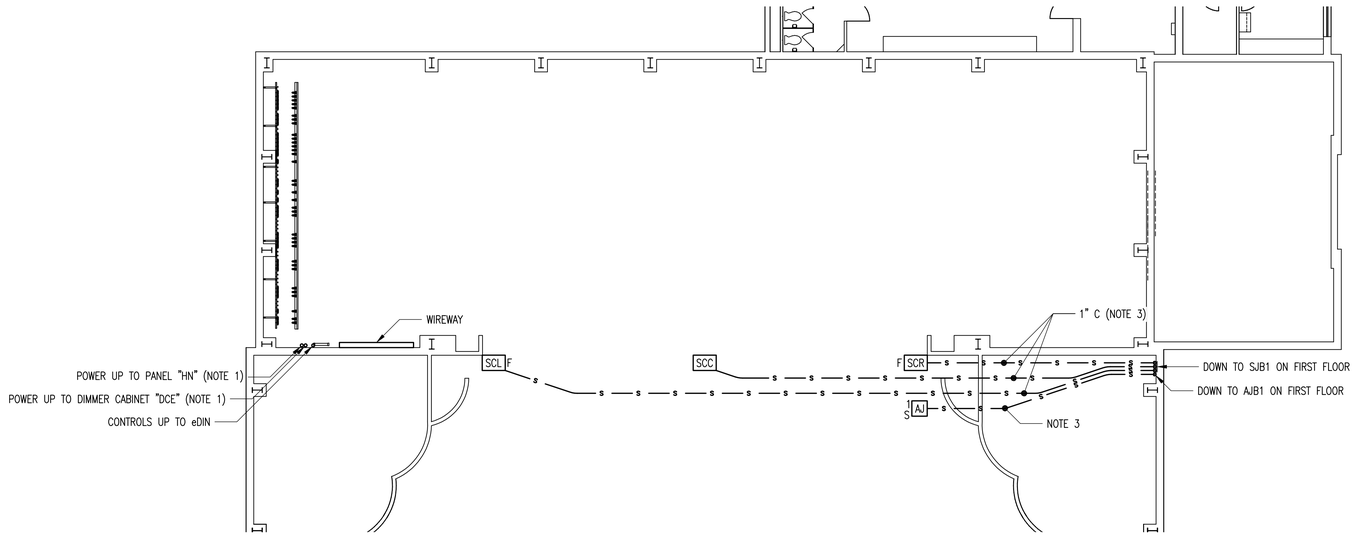
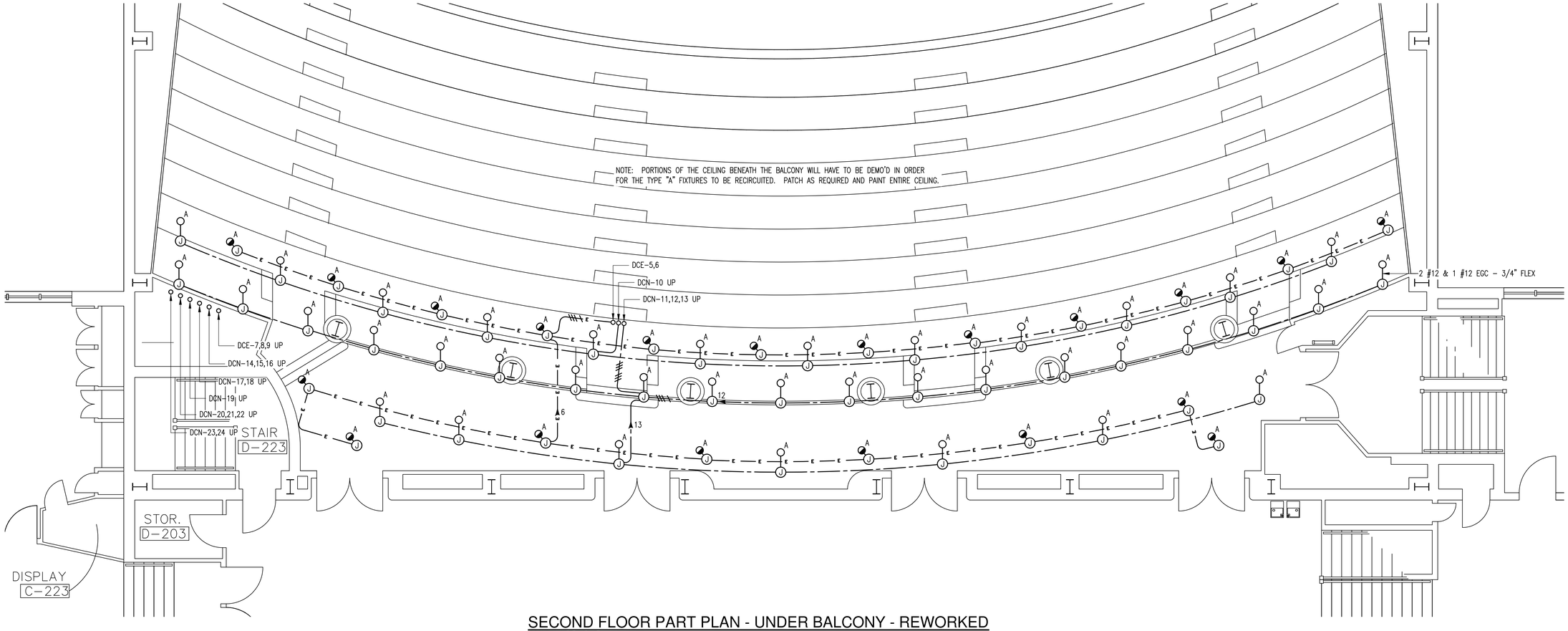


SECOND FLOOR PART PLAN - STAGE - REWORKED

SCALE: 1/8"=1'-0"



SECOND FLOOR PART PLAN - UNDER BALCONY - REWORKED

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

4' 0' 4' 8' 1/4" = 1'-0"
GRAPHIC SCALE

8' 0' 8' 16' 1/8" = 1'-0"
GRAPHIC SCALE

NOTES (DRAWING NO. E2.3)

1. FOR CONDUIT TYPE, QUANTITY, SIZE AND FILL, SEE ONE LINE DIAGRAGM – REWORKED CONDITIONS.
2. TYPE "A" FIXTURES ARE EXISTING, TO REMAIN. RE-CIRCUIT AS INDICATED. CLEAN AND RELAMP WITH 75 WATT, A-19, FROSTED, LONG LIFE LAMPS.
3. RUN ABOVE AUDITORIUM CEILING.

LIGHTING, SOUND & VIDEO
SECOND FLOOR - REWORKED CONDITIONS

REVISIONS:

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STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG CITY SCHOOLS
LYNCHBURG, VIRGINIA

LIGHTING, SOUND & VIDEO
SECOND FLOOR - REWORKED CONDITIONS

DATE ISSUED:	06/30/14
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DRAWING NO. E2.3
12 OF 13
REVISION

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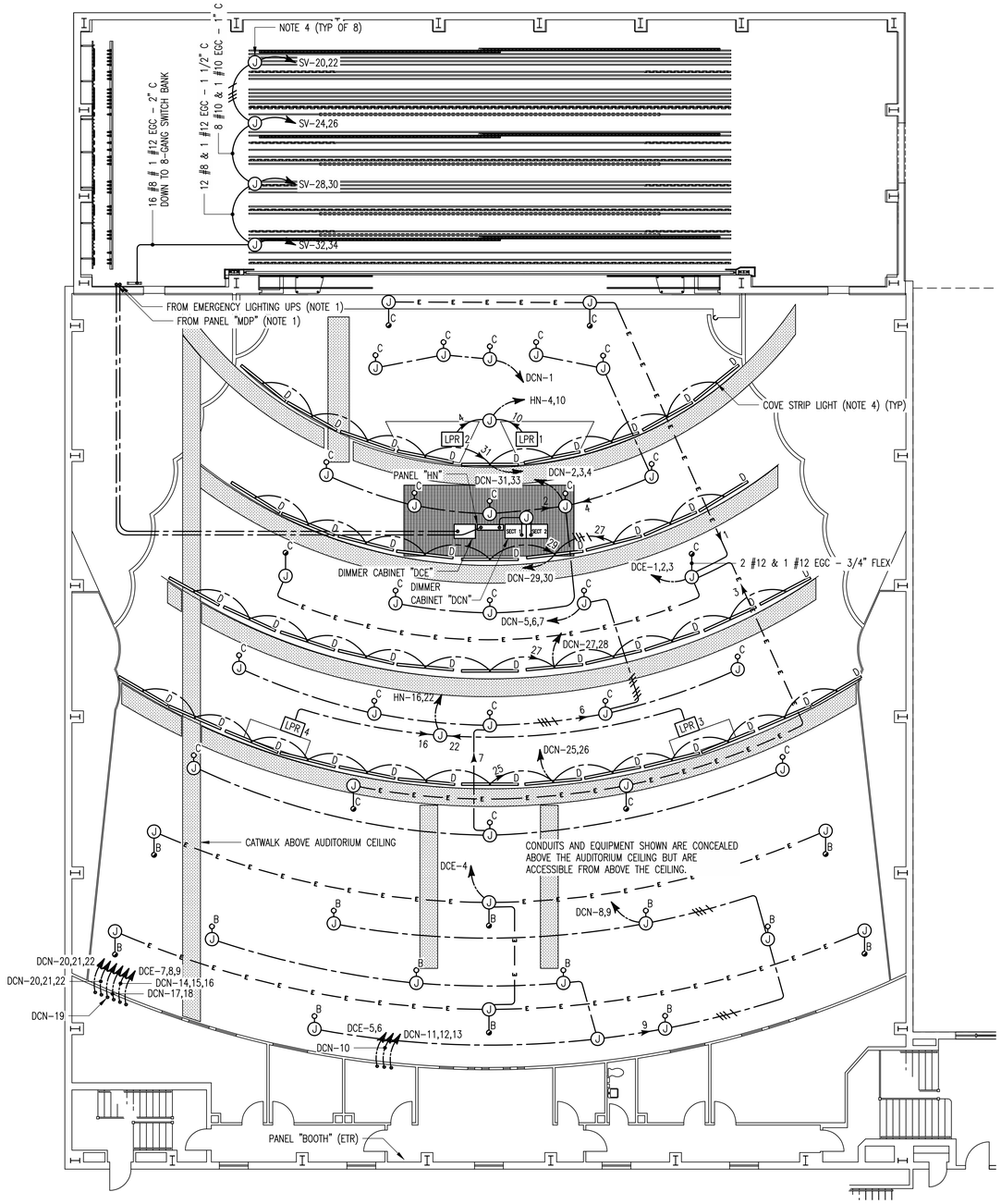
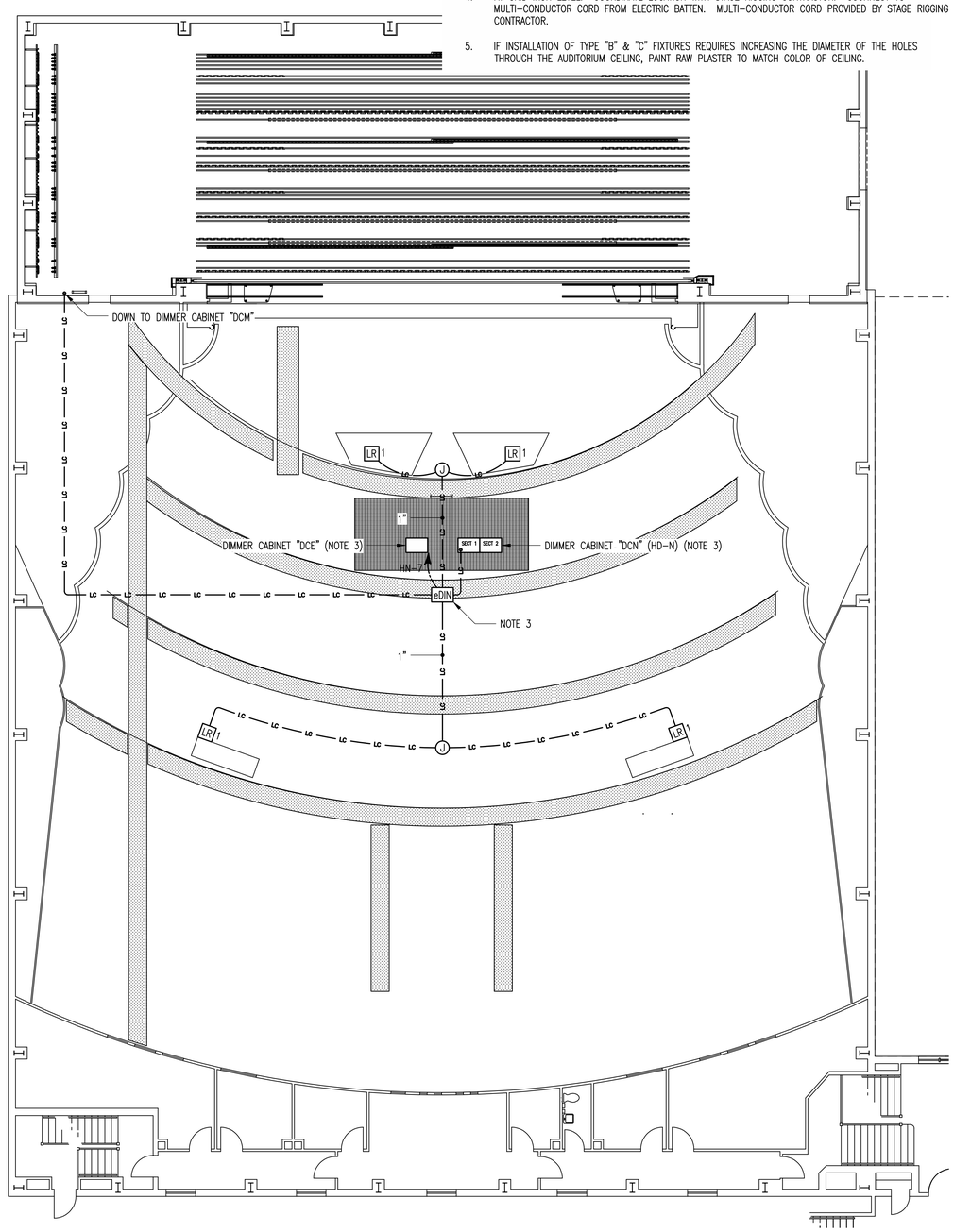
NOTES (DRAWING NO. E2.4)

1. FOR CONDUIT TYPE, QUANTITY, SIZE AND FILL, SEE ONE LINE DIAGRAGM – REWORKED CONDITIONS.
2. TYPE "A" FIXTURES ARE EXISTING, TO REMAIN. RE–CIRCUIT AS INDICATED.
3. FURNISHED BY THEATER LIGHTING CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
4. AT GRID IRON LEVEL. COORDINATE LOCATION WITH STAGE RIGGING CONTRACTOR. CCONNECT TO MULTI–CONDUCTOR CORD FROM ELECTRIC BATTEN. MULTI–CONDUCTOR CORD PROVIDED BY STAGE RIGGING CONTRACTOR.
5. IF INSTALLATION OF TYPE "B" & "C" FIXTURES REQUIRES INCREASING THE DIAMETER OF THE HOLES THROUGH THE AUDITORIUM CEILING, PAINT RAW PLASTER TO MATCH COLOR OF CEILING.



LIGHTING WIRING



LIGHTING CONTROL WIRING

LIGHTING - THIRD FLOOR - REWORKED CONDITIONS

8' 0' 8' 16'
1/8" = 1'–0"
GRAPHIC SCALE

REVISIONS:

COMMONWEALTH OF VIRGINIA
WALTER G. MILES
No.6740
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STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG CITY SCHOOLS
LYNCHBURG, VIRGINIA

LIGHTING - THIRD FLOOR
REWORKED CONDITIONS

DATE ISSUED:	06/30/14
SCALE:	GRAPHIC
JOB. NO.	372–028
DESIGNED:	WGM
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E2.4
13 OF 13
REVISION

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THEATRE INDEX	
SHEET NUMBER	SHEET NAME
TL-100	EXISTING STAGE LIGHTING SYSTEM ONELINE
TL-101	EXISTING STAGE LIGHTING STAGE PLAN
TL-102	EXISTING STAGE LIGHTING LIGHTING CIRCUIT STRIPS
TL-103	EXISTING STAGE LIGHTING HOUSE LIGHTING PLAN
TL-104	EXISTING STAGE LIGHTING STAGE LIGHTING BATTENS ELEVATION
TL-105	NEW STAGE LIGHTING SYSTEM ONELINE
TL-106	NEW STAGE LIGHTING HOUSE LIGHTING SYSTEM ONELINE
TL-107	NEW STAGE LIGHTING UNDER BALCONY HOUSE LIGHTING PLAN
TL-108	NEW STAGE LIGHTING STAGE PLAN
TL-109	NEW STAGE LIGHTING LIGHTING CIRCUIT STRIPS
TL-110	NEW STAGE LIGHTING HOUSE LIGHTING PLAN
TL-111	NEW STAGE LIGHTING STAGE LIGHTING BATTENS ELEVATION
TR-100	EXISTING STAGE RIGGING PLAN
TR-101	EXISTING STAGE RIGGING SECTION
TR-102	EXISTING STAGE RIGGING GENERAL PURPOSE SET ELEVATION
TR-103	EXISTING STAGE RIGGING STAGE ELECTRIC SET ELEVATION
TR-104	EXISTING STAGE FRONT OF HOUSE PLAN
TR-105	NEW STAGE RIGGING PLAN
TR-106	NEW STAGE RIGGING GENERAL PURPOSE SET ELEVATION
TR-107	NEW STAGE RIGGING STAGE ELECTRIC SET ELEVATION
TR-108	NEW STAGE RIGGING HOUSE RIGGING PLAN
TR-109	EXISTING ORCHESTRA PIT PLAN
TR-110	NEW ORCHESTRA PIT PLATFORM PLAN
TR-111	ALTERNATE STAGE RIGGING PLAN
TS-100	AV SYSTEM NEW SPEAKER ARRAYS
TS-101	AV SYSTEM NEW AMPS AND SPEAKER ONELINE
TS-102	AV SYSTEM REWORK EXISTING SOUND RACK ONELINE
TS-103	AV SYSTEM RACK ELEVATIONS & PLATE DETAILS
TS-104	AV SYSTEM NEW VIDEO SYSTEM

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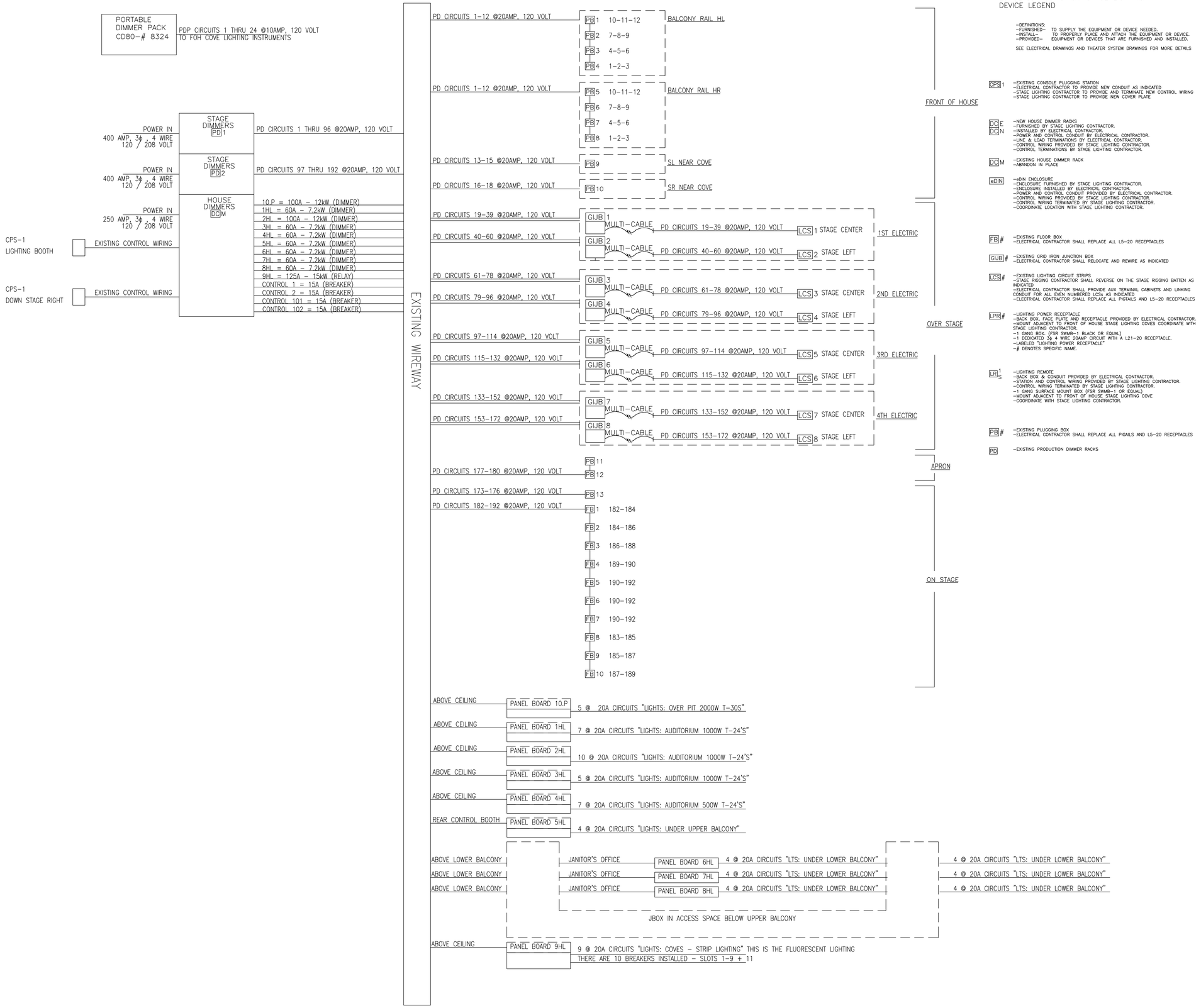
STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

THEATRE SYSTEM RENOVATIONS
INDEX

DATE ISSUED:	6/30/14
SCALE:	NTS
JOB. NO.	1323
DESIGNED:	TSG
DRAWN:	RC
CHECKED:	AJC
APPROVED:	AJC

DRAWING NO.
INDEX
1 OF 1

REVISION



EC GLASS AUDITORIUM STAGE LIGHTING
DEVICE LEGEND

-DEFINITIONS:
-FURNISHED- TO SUPPLY THE EQUIPMENT OR DEVICE NEEDED.
-INSTALL- TO PROPERLY PLACE AND ATTACH THE EQUIPMENT OR DEVICE.
-PROVIDED- EQUIPMENT OR DEVICES THAT ARE FURNISHED AND INSTALLED.

SEE ELECTRICAL DRAWINGS AND THEATER SYSTEM DRAWINGS FOR MORE DETAILS

CPS 1
-EXISTING CONSOLE PLUGGING STATION
-ELECTRICAL CONTRACTOR TO PROVIDE NEW CONDUIT AS INDICATED
-STAGE LIGHTING CONTRACTOR TO PROVIDE AND TERMINATE NEW CONTROL WIRING
-STAGE LIGHTING CONTRACTOR TO PROVIDE NEW COVER PLATE

DC E
DC N
-NEW HOUSE DIMMER RACKS
-FURNISHED BY STAGE LIGHTING CONTRACTOR.
-INSTALLED BY ELECTRICAL CONTRACTOR.
-POWER AND CONTROL CONDUIT BY ELECTRICAL CONTRACTOR.
-LINE & LOAD TERMINATIONS BY ELECTRICAL CONTRACTOR.
-CONTROL WIRING PROVIDED BY STAGE LIGHTING CONTRACTOR.
-CONTROL TERMINATIONS BY STAGE LIGHTING CONTRACTOR.

DC M
-EXISTING HOUSE DIMMER RACK
-ABANDON IN PLACE

eDIN
-eDIN ENCLOSURE
-ENCLOSURE FURNISHED BY STAGE LIGHTING CONTRACTOR.
-ENCLOSURE INSTALLED BY ELECTRICAL CONTRACTOR.
-POWER AND CONTROL CONDUIT PROVIDED BY ELECTRICAL CONTRACTOR.
-CONTROL WIRING PROVIDED BY STAGE LIGHTING CONTRACTOR.
-CONTROL WIRING TERMINATED BY STAGE LIGHTING CONTRACTOR.
-COORDINATE LOCATION WITH STAGE LIGHTING CONTRACTOR.

FB #
-EXISTING FLOOR BOX
-ELECTRICAL CONTRACTOR SHALL REPLACE ALL L5-20 RECEPTACLES

GJB #
-EXISTING GRID IRON JUNCTION BOX
-ELECTRICAL CONTRACTOR SHALL RELOCATE AND REWIRE AS INDICATED

LCS #
-EXISTING LIGHTING CIRCUIT STRIPS
-STAGE RIGGING CONTRACTOR SHALL REVERSE ON THE STAGE RIGGING BATTEN AS INDICATED
-ELECTRICAL CONTRACTOR SHALL PROVIDE AUX TERMINAL CABINETS AND LINKING CONDUIT FOR ALL EVEN NUMBERED LCSs AS INDICATED
-ELECTRICAL CONTRACTOR SHALL REPLACE ALL PIGTAILS AND L5-20 RECEPTACLES

LPR #
-LIGHTING POWER RECEPTACLE
-BACK BOX, FACE PLATE AND RECEPTACLE PROVIDED BY ELECTRICAL CONTRACTOR.
-MOUNT ADJACENT TO FRONT OF HOUSE STAGE LIGHTING COVES COORDINATE WITH STAGE LIGHTING CONTRACTOR.
-1 GANG BOX. (FSR SWMB-1 BLACK OR EQUAL)
-1 DEDICATED 3ϕ 4 WIRE 20AMP CIRCUIT WITH A L21-20 RECEPTACLE.
-LABELED "LIGHTING POWER RECEPTACLE"
-# DENOTES SPECIFIC NAME.

LR 1 S
-LIGHTING REMOTE
-BACK BOX & CONDUIT PROVIDED BY ELECTRICAL CONTRACTOR.
-STATION AND CONTROL WIRING PROVIDED BY STAGE LIGHTING CONTRACTOR.
-CONTROL WIRING TERMINATED BY STAGE LIGHTING CONTRACTOR.
-1 GANG SURFACE MOUNT BOX (FSR SWMB-1 OR EQUAL)
-MOUNT ADJACENT TO FRONT OF HOUSE STAGE LIGHTING COVE
-COORDINATE WITH STAGE LIGHTING CONTRACTOR.

PB #
-EXISTING PLUGGING BOX
-ELECTRICAL CONTRACTOR SHALL REPLACE ALL PIGAILS AND L5-20 RECEPTACLES

PD
-EXISTING PRODUCTION DIMMER RACKS

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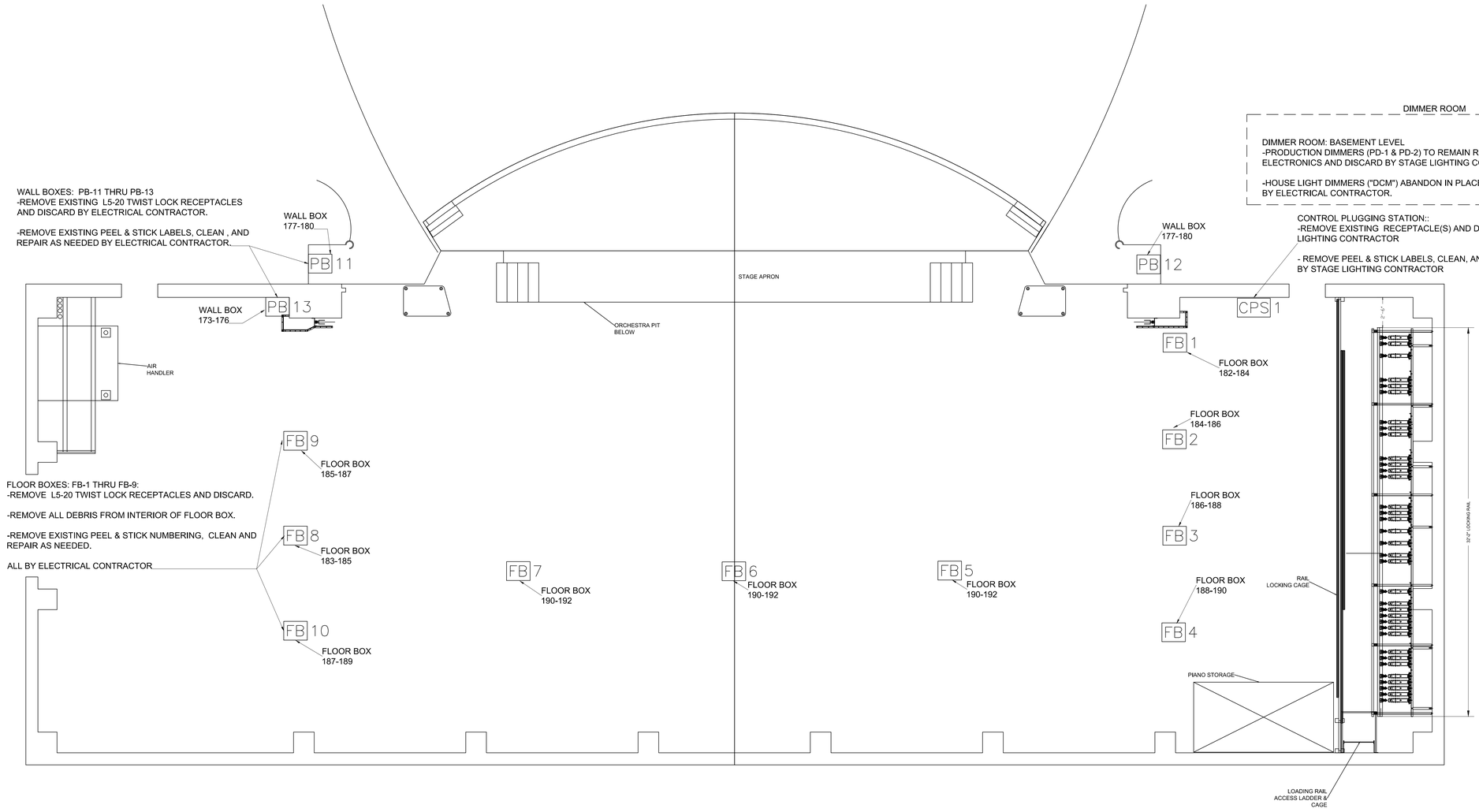
STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

EXISTING STAGE LIGHTING
SYSTEM ONE LINE

DATE ISSUED:	6/30/14
SCALE:	NA
JOB. NO.	1323
DESIGNED:	TSG
DRAWN:	ACM
CHECKED:	TSG
APPROVED:	AJC

DRAWING NO.
TL-100
1 OF 12
REVISION



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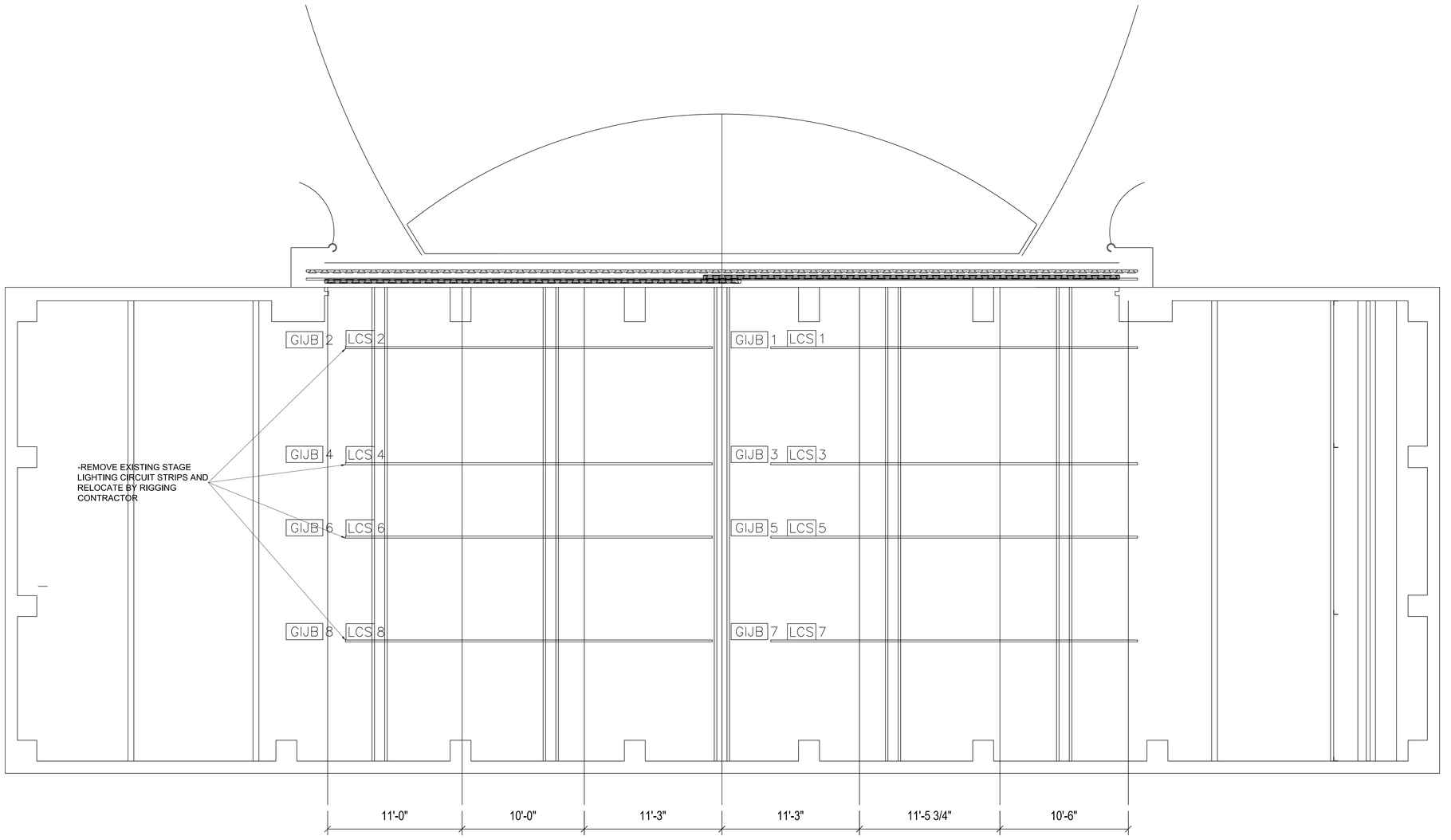
STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

EXISTING STAGE LIGHTING
STAGE PLAN

DATE ISSUED:	6/30/14
SCALE:	1/4"=1'-0"
JOB. NO.	1323
DESIGNED:	TSG
DRAWN:	ACM
CHECKED:	TSG
APPROVED:	AJC

DRAWING NO.
TL-101
2 OF 12

REVISION



2'-5" / 1'9"	VA / MC	VALANCE / MAIN CURTAIN
0'-0"	D	DATUM (DOWN STAGE WALL)
0'-4"	FC	FIRE CURTAIN
3'-4" / 3'-10"	1 / 2	1ST BORDER / 1ST ELECTRIC
4'-10"	3	OPEN
6'-10" / 7'-4" / 7'-10"	4 / 5 / 6	#1 BLACK TRAVELER / SOUND SHELL / 1ST LEGS
10'-4" / 10'-10" / 11'-4"	7 / 8 / 9	SOUND SHELL / 2ND BORDER / PROJECTION SCREEN
13'-4" / 13'-10" / 14'-4" / 14'-10"	10 / 11 / 12 / 13	2ND ELECTRIC / OPEN / 2ND LEGS / OPEN
17'-4" / 17'-10" / 18'-4"	14 / 15 / 16	SOUND SHELL / 3RD BORDER / OPEN
19'-4"	17	3RD ELECTRIC
20'-4"	18	3RD LEGS
21'-4" / 21'-10"	19 / 20	2ND TRAVELER / OPEN
24'-4"	21	SOUND SHELL
25'-4" / 25'-10" / 26'-4" / 26'-10" / 27'-4" / 27'-10"	22 / 23 / 24 / 25 / 26 / 27	4TH BORDER / OPEN / OPEN / OPEN / 4A ELECTRIC / MARRIED / 4B ELECTRIC / MARRIED
29'-4" / 29'-10" / 30'-4"	28 / 29 / 30	OPEN / OPEN / 4TH LEGS
31'-4" / 31'-10" / 32'-4" / 32'-10" / 33'-4"	31 / 32 / 33 / 34 / 35	OPEN / OLD CYC / BLACK SCRIM / CYC / 3RD TRAVELER

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STAGE UPGRADES
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LYNCHBURG, VIRGINIA

EXISTING STAGE LIGHTING
LIGHTING CIRCUIT STRIPS

DATE ISSUED:	6/30/14
SCALE:	1/4"=1'0"
JOB. NO.	1323
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APPROVED:	AJC

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3 OF 12

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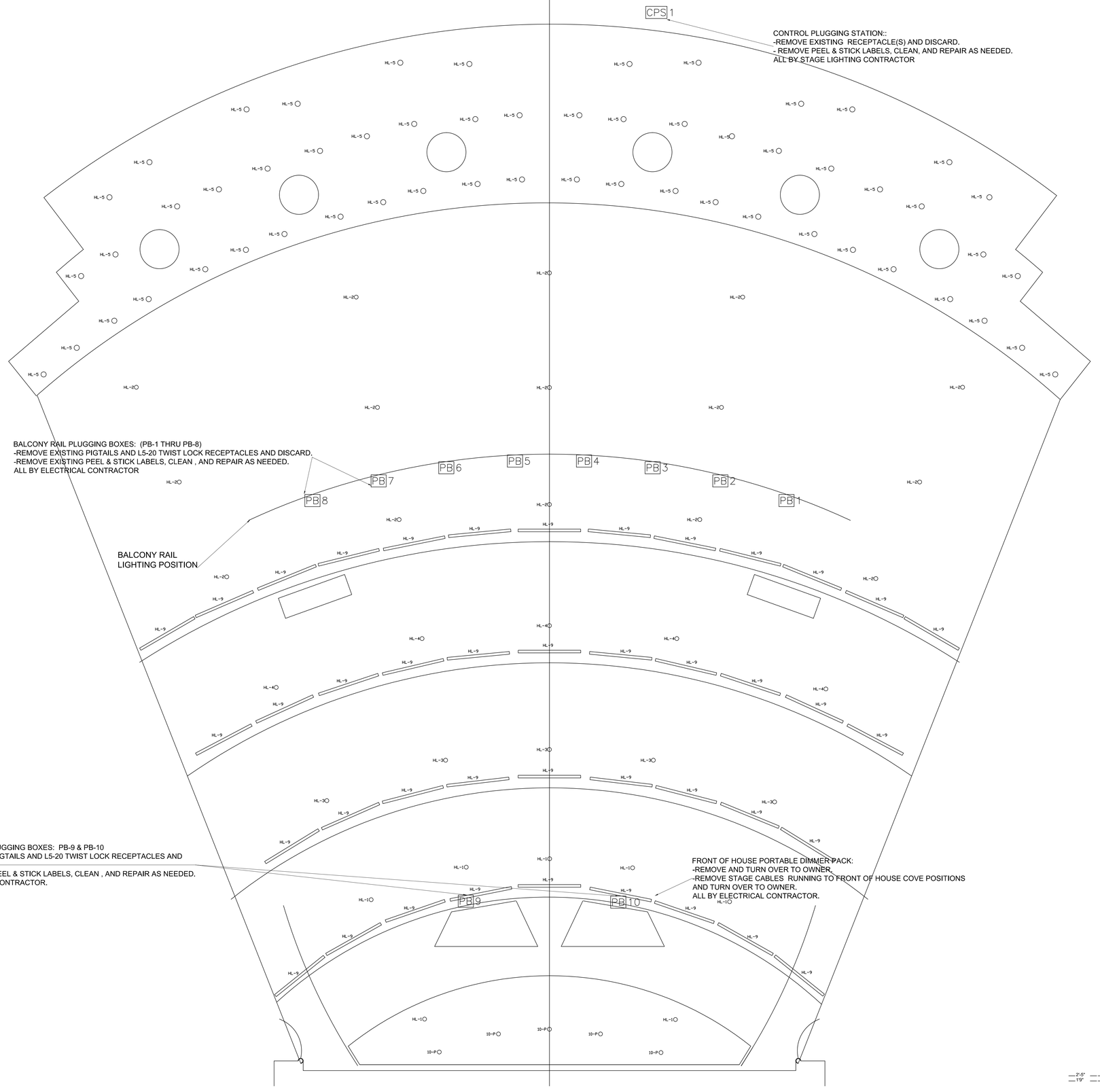

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STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

EXISTING STAGE LIGHTING
HOUSE LIGHTING PLAN

DATE ISSUED:	6/30/14
SCALE:	3/16"=1'-0"
JOB. NO.	1323
DESIGNED:	TSG
DRAWN:	ACM
CHECKED:	TSG
APPROVED:	AJC

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TL–103
4 OF 12

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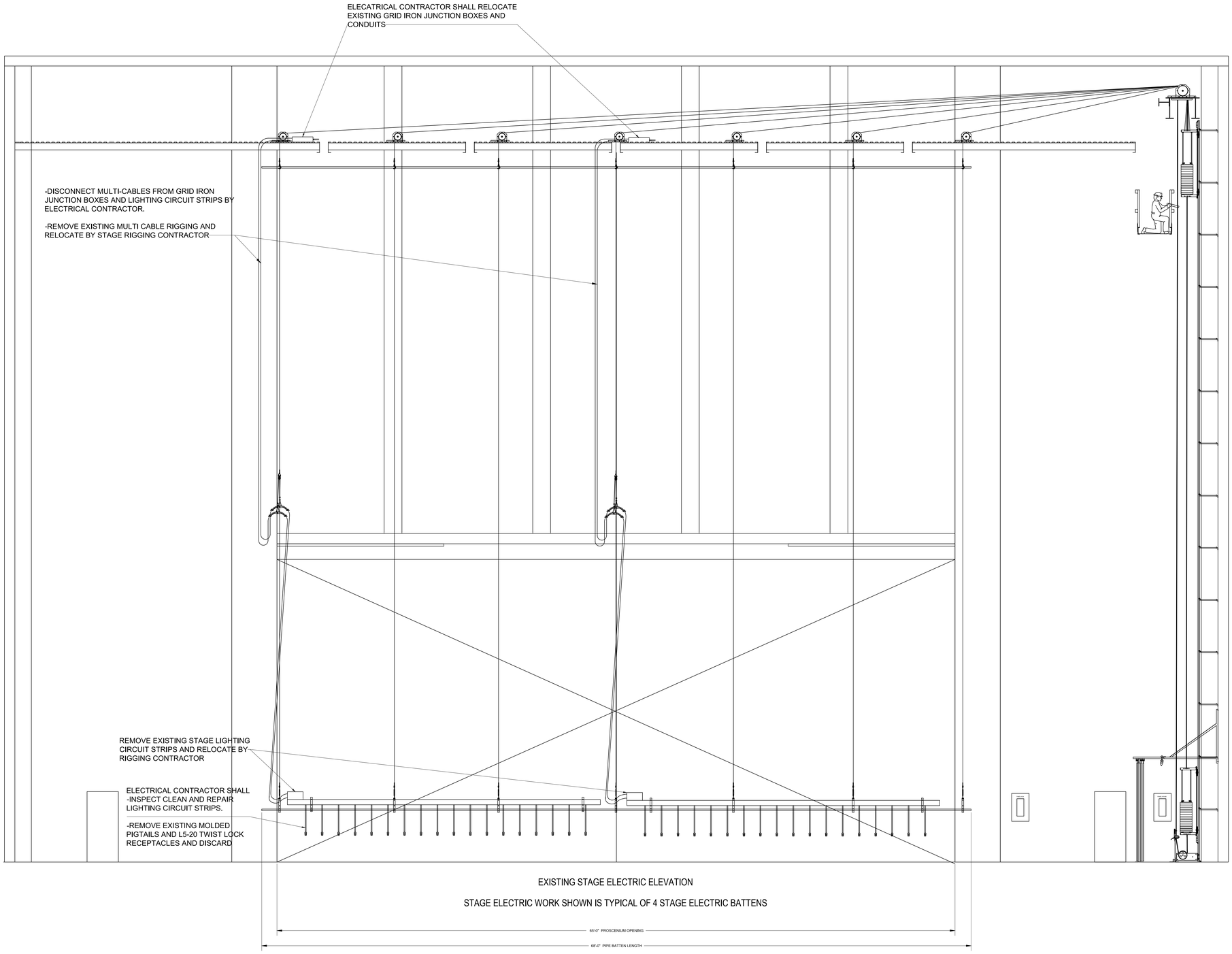

EXISTING STAGE ELECTRIC ELEVATION

STAGE ELECTRIC WORK SHOWN IS TYPICAL OF 4 STAGE ELECTRIC BATTENS

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STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

EXISTING STAGE LIGHTING
STAGE LIGHTING BATTENS
ELEVATION

DATE ISSUED:	6/30/14
SCALE:	1/4"=1'-0"
JOB. NO.	1323
DESIGNED:	TSG
DRAWN:	ACM
CHECKED:	TSG
APPROVED:	AJC

DRAWING NO.
TL-104
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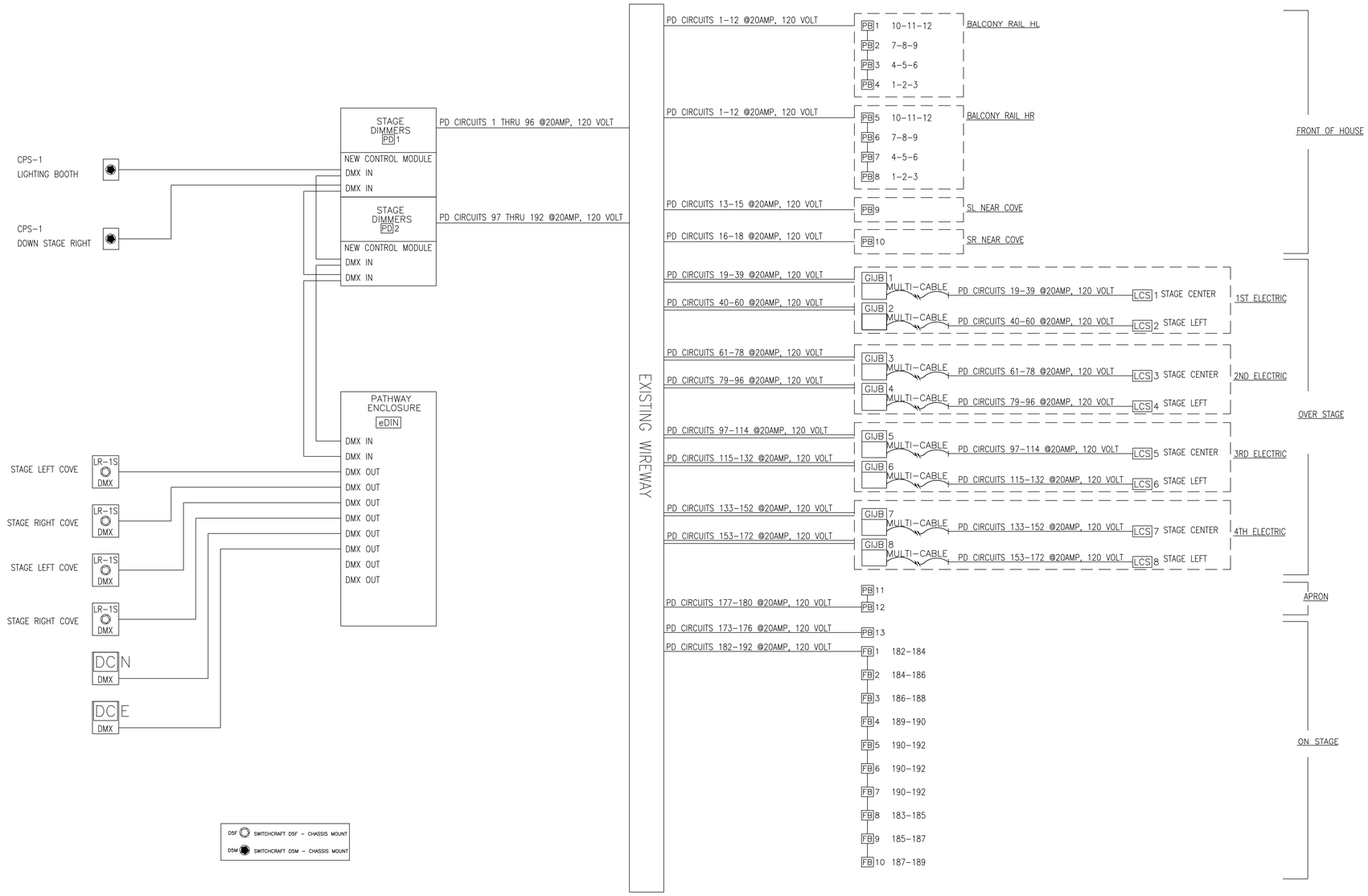
REVISION



NEW THEATRICAL LIGHTING SYSTEM CIRCUIT DISTRIBUTION – E.C. GLASS HIGH SCHOOL AUDITORIUM

EC GLASS AUDITORIUM STAGE LIGHTING DEVICE LEGEND

–DEFINITIONS:
–FURNISHED– TO SUPPLY THE EQUIPMENT OR DEVICE NEEDED.
–INSTALL– TO PROPERLY PLACE AND ATTACH THE EQUIPMENT OR DEVICE.
–PROVIDED– EQUIPMENT OR DEVICES THAT ARE FURNISHED AND INSTALLED.

SEE ELECTRICAL DRAWINGS AND THEATER SYSTEM DRAWINGS FOR MORE DETAILS

CPS1 –EXISTING CONSOLE PLUGGING STATION
–ELECTRICAL CONTRACTOR TO PROVIDE NEW CONDUIT AS INDICATED
–STAGE LIGHTING CONTRACTOR TO PROVIDE AND TERMINATE NEW CONTROL WIRING
–STAGE LIGHTING CONTRACTOR TO PROVIDE NEW COVER PLATE

DC E / DC N –NEW HOUSE DIMMER RACKS
–FURNISHED BY STAGE LIGHTING CONTRACTOR.
–INSTALLED BY ELECTRICAL CONTRACTOR.
–POWER AND CONTROL CONDUIT BY ELECTRICAL CONTRACTOR.
–LINE & LOAD TERMINATIONS BY ELECTRICAL CONTRACTOR.
–CONTROL WIRING PROVIDED BY STAGE LIGHTING CONTRACTOR.
–CONTROL TERMINATIONS BY STAGE LIGHTING CONTRACTOR.

DC M –EXISTING HOUSE DIMMER RACK
–ABANDON IN PLACE

eDIN –eDIN ENCLOSURE
–ENCLOSURE FURNISHED BY STAGE LIGHTING CONTRACTOR.
–ENCLOSURE INSTALLED BY ELECTRICAL CONTRACTOR.
–POWER AND CONTROL CONDUIT PROVIDED BY ELECTRICAL CONTRACTOR.
–CONTROL WIRING PROVIDED BY STAGE LIGHTING CONTRACTOR.
–CONTROL WIRING TERMINATED BY STAGE LIGHTING CONTRACTOR.
–COORDINATE LOCATION WITH STAGE LIGHTING CONTRACTOR.

FB# –EXISTING FLOOR BOX
–ELECTRICAL CONTRACTOR SHALL REPLACE ALL L5-20 RECEPTACLES

GIJB# –EXISTING GRID IRON JUNCTION BOX
–ELECTRICAL CONTRACTOR SHALL RELOCATE AND REWIRE AS INDICATED

LCS# –EXISTING LIGHTING CIRCUIT STRIPS
–STAGE RIGGING CONTRACTOR SHALL REVERSE ON THE STAGE RIGGING BATTEN AS INDICATED
–ELECTRICAL CONTRACTOR SHALL PROVIDE AUX TERMINAL CABINETS AND LINKING CONDUIT FOR ALL EVEN NUMBERED LCSs AS INDICATED
–ELECTRICAL CONTRACTOR SHALL REPLACE ALL PIGTAILS AND L5-20 RECEPTACLES

LPR# –LIGHTING POWER RECEPTACLE
–BACK BOX, FACE PLATE AND RECEPTACLE PROVIDED BY ELECTRICAL CONTRACTOR.
–MOUNT ADJACENT TO FRONT OF HOUSE STAGE LIGHTING COVES COORDINATE WITH STAGE LIGHTING CONTRACTOR.
–1 GANG BOX. (FSR SWMB-1 BLACK OR EQUAL)
–1 DEDICATED #6 4 WIRE 20AMP CIRCUIT WITH A L21-20 RECEPTACLE.
–LABELED "LIGHTING POWER RECEPTACLE"
–# DENOTES SPECIFIC NAME.

LR 1S –LIGHTING REMOTE
–BACK BOX & CONDUIT PROVIDED BY ELECTRICAL CONTRACTOR.
–STATION AND CONTROL WIRING PROVIDED BY STAGE LIGHTING CONTRACTOR.
–CONTROL WIRING TERMINATED BY STAGE LIGHTING CONTRACTOR.
–1 GANG SURFACE MOUNT BOX (FSR SWMB-1 OR EQUAL)
–MOUNT ADJACENT TO FRONT OF HOUSE STAGE LIGHTING COVE
–COORDINATE WITH STAGE LIGHTING CONTRACTOR.

PB# –EXISTING PLUGGING BOX
–ELECTRICAL CONTRACTOR SHALL REPLACE ALL PIGAILS AND L5-20 RECEPTACLES

PD –EXISTING PRODUCTION DIMMER RACKS

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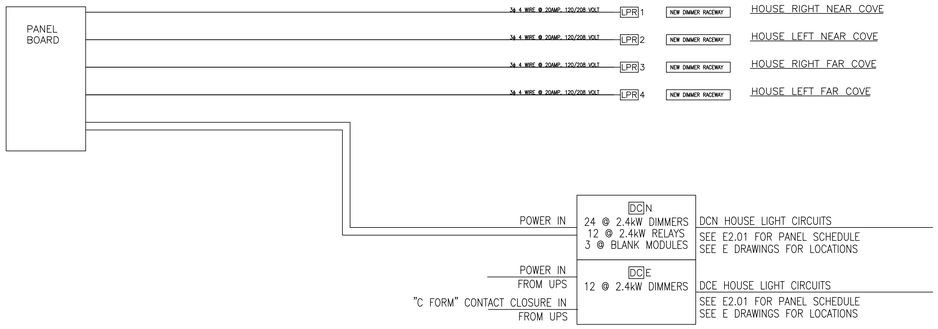
STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

NEW STAGE LIGHTING SYSTEM ONE LINE

DATE ISSUED: 6/30/14
SCALE: NA
JOB. NO. 1323
DESIGNED: TSG
DRAWN: ACM
CHECKED: TSG
APPROVED: AJC

DRAWING NO.
TL–105
6 OF 12
REVISION



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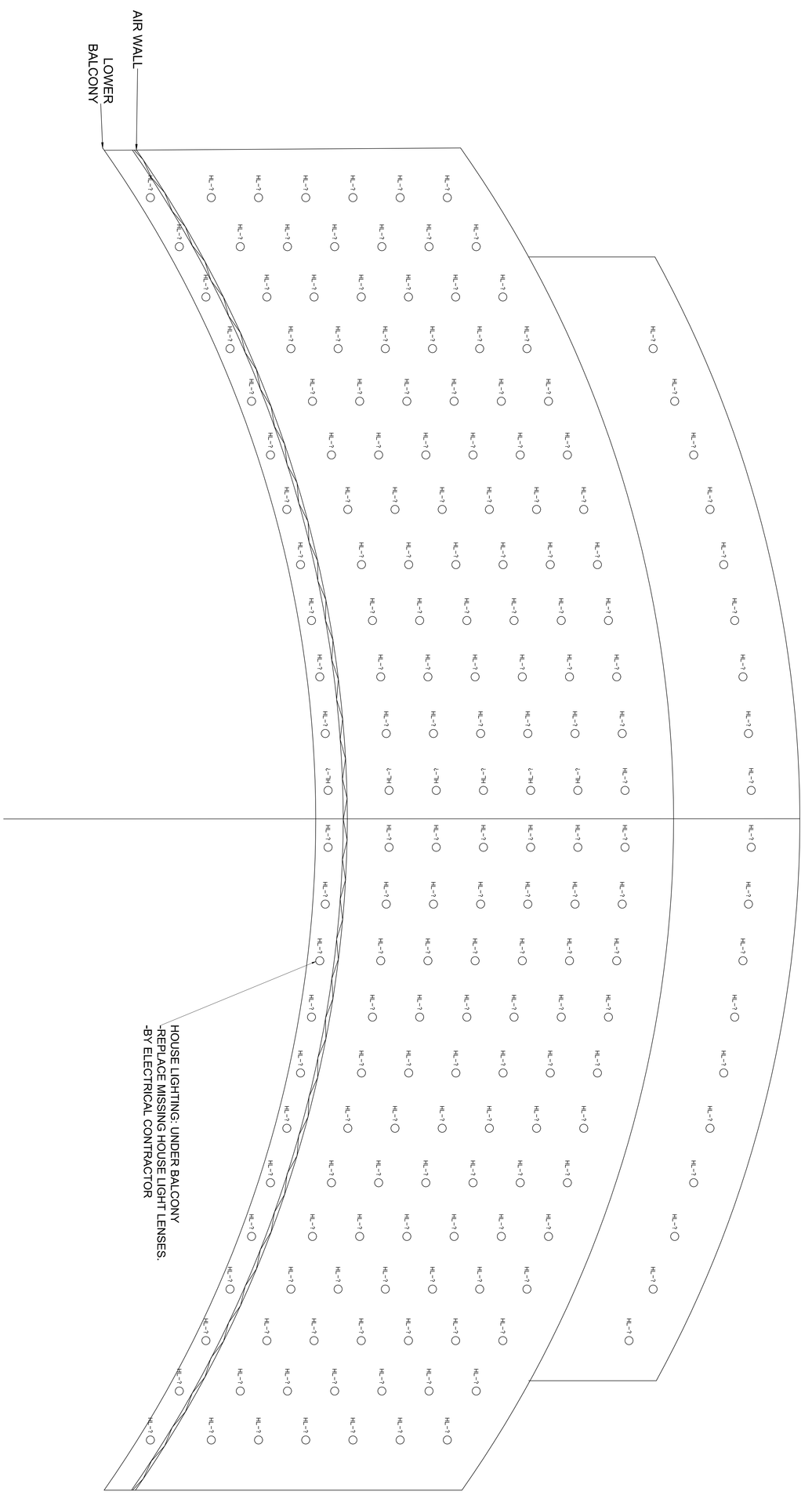
STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

NEW STAGE LIGHTING
HOUSE LIGHT
SYSTEM ONE LINE

DATE ISSUED: 6/30/14
SCALE: NA
JOB. NO. 1323
DESIGNED: TSG
DRAWN: ACM
CHECKED: TSG
APPROVED: AJC

DRAWING NO.
TL–106
7 OF 12

REVISION



NEW STAGE LIGHTING
UNDER BALCONY
HOUSE LIGHTING PLAN

STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

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DATE ISSUED: 6/30/14
SCALE: 1/4"=1'-0"
JOB NO. 1323
DESIGNED: TSG
DRAWN: ACM
CHECKED: TSG
APPROVED: AJC

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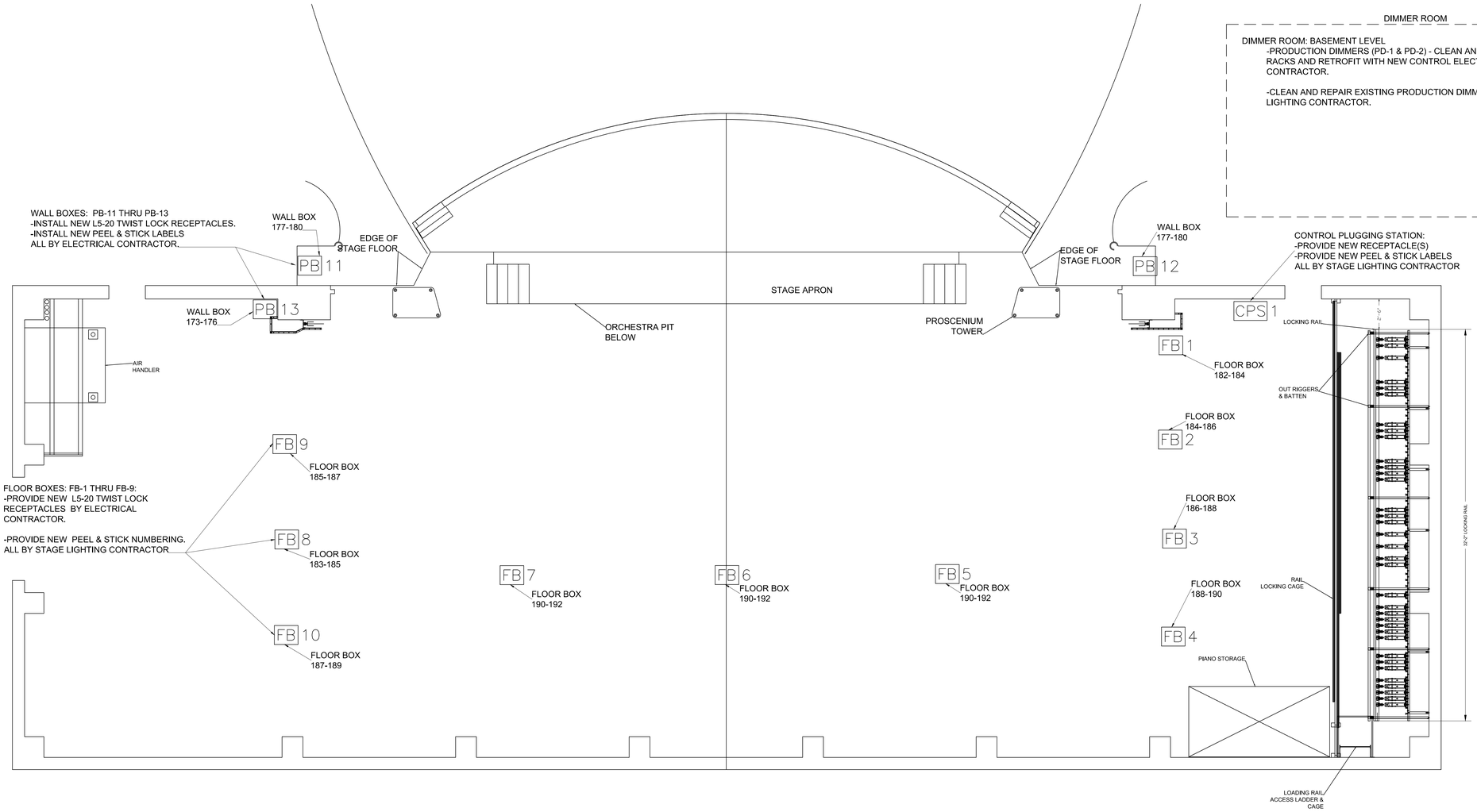
TL-107
8 OF 12

REVISION

DIMMER ROOM

DIMMER ROOM: BASEMENT LEVEL
-PRODUCTION DIMMERS (PD-1 & PD-2) - CLEAN AND REPAIR PRODUCTION DIMMER RACKS AND RETROFIT WITH NEW CONTROL ELECTRONICS BY STAGE LIGHTING CONTRACTOR.

-CLEAN AND REPAIR EXISTING PRODUCTION DIMMER MODULES BY STAGE LIGHTING CONTRACTOR.



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STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

NEW STAGE LIGHTING
STAGE PLAN

DATE ISSUED:	6/30/14
SCALE:	1/4"=1'-0"
JOB. NO.	1323
DESIGNED:	TSG
DRAWN:	ACM
CHECKED:	TSG
APPROVED:	AJC

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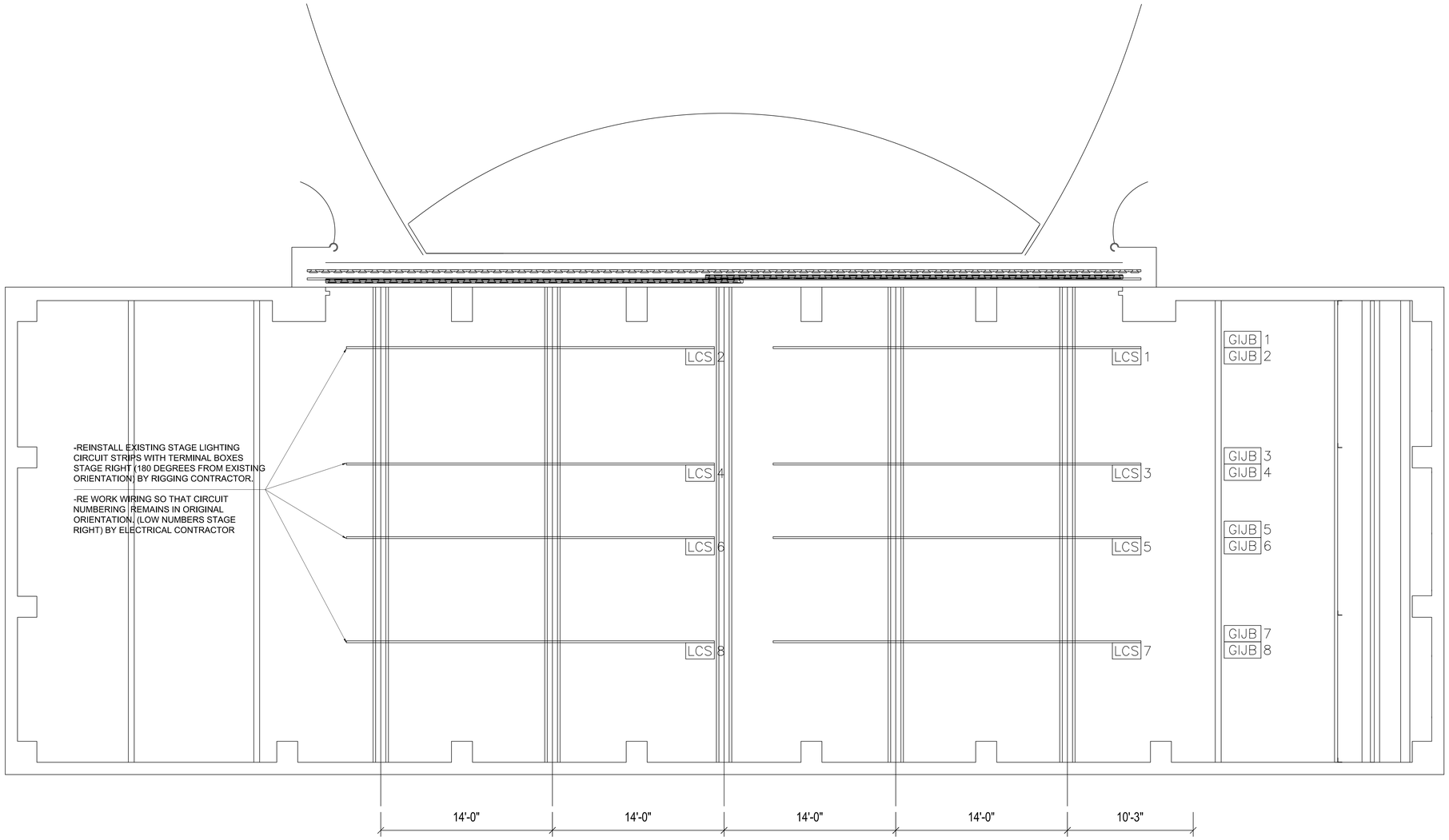
TL-108
9 OF 12
REVISION



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STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

NEW STAGE LIGHTING
LIGHTING CIRCUIT STRIPS

DATE ISSUED:	6/30/14
SCALE:	1/4"=1'-0"
JOB. NO.	1323
DESIGNED:	TSG
DRAWN:	ACM
CHECKED:	TSG
APPROVED:	AJC

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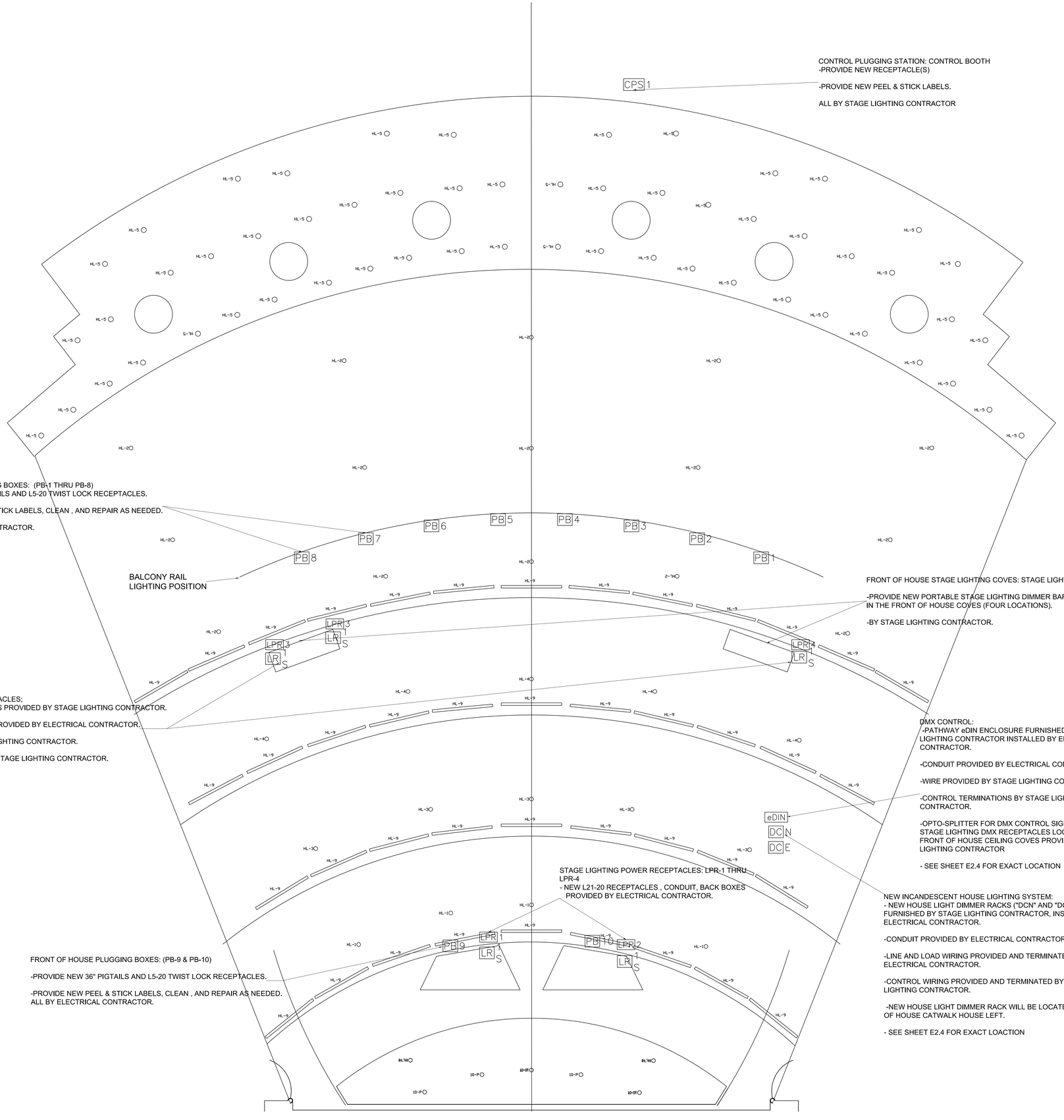
TL-109
10 OF 12

REVISION



CONTROL PLUGGING STATION: CONTROL BOOTH
-PROVIDE NEW RECEPTACLE(S)

-PROVIDE NEW PEEL & STICK LABELS.

ALL BY STAGE LIGHTING CONTRACTOR

BALCONY RAIL PLUGGING BOXES: (PB-1 THRU PB-8)
-PROVIDE NEW 36" PIGTAILS AND L5-20 TWIST LOCK RECEPTACLES.

-PROVIDE NEW PEEL & STICK LABELS, CLEAN , AND REPAIR AS NEEDED.

ALL BY ELECTRICAL CONTRACTOR.

BALCONY RAIL
LIGHTING POSITION

FRONT OF HOUSE STAGE LIGHTING COVES: STAGE LIGHTING DIMMER BARS

-PROVIDE NEW PORTABLE STAGE LIGHTING DIMMER BARS ON STAGE LIGHTING BATTENS LOCATED IN THE FRONT OF HOUSE COVES (FOUR LOCATIONS).

-BY STAGE LIGHTING CONTRACTOR.

STAGE LIGHTING DMX RECEPTACLES;
- NEW DMX 5 PIN RECEPTACLES PROVIDED BY STAGE LIGHTING CONTRACTOR.

-CONDUIT, AND BACK BOXES PROVIDED BY ELECTRICAL CONTRACTOR.

-WIRE PROVIDED BY STAGE LIGHTING CONTRACTOR.

-CONTROL TERMINATIONS BY STAGE LIGHTING CONTRACTOR.

DMX CONTROL:
-PATHWAY eDIN ENCLOSURE FURNISHED BY STAGE LIGHTING CONTRACTOR INSTALLED BY ELECTRICAL CONTRACTOR.

-CONDUIT PROVIDED BY ELECTRICAL CONTRACTOR.

-WIRE PROVIDED BY STAGE LIGHTING CONTRACTOR.

-CONTROL TERMINATIONS BY STAGE LIGHTING CONTRACTOR.

-OPTO-SPLITTER FOR DMX CONTROL SIGNAL TO NEW STAGE LIGHTING DMX RECEPTACLES LOCATED AT FRONT OF HOUSE CEILING COVES PROVIDED BY STAGE LIGHTING CONTRACTOR

- SEE SHEET E2.4 FOR EXACT LOCATION

STAGE LIGHTING POWER RECEPTACLES: LPR-1 THRU LPR-4
- NEW L21-20 RECEPTACLES , CONDUIT, BACK BOXES PROVIDED BY ELECTRICAL CONTRACTOR.

NEW INCANDESCENT HOUSE LIGHTING SYSTEM:
- NEW HOUSE LIGHT DIMMER RACKS ("DCN" AND "DCE") FURNISHED BY STAGE LIGHTING CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.

-CONDUIT PROVIDED BY ELECTRICAL CONTRACTOR.

-LINE AND LOAD WIRING PROVIDED AND TERMINATED BY ELECTRICAL CONTRACTOR.

-CONTROL WIRING PROVIDED AND TERMINATED BY STAGE LIGHTING CONTRACTOR.

-NEW HOUSE LIGHT DIMMER RACK WILL BE LOCATED ON FRONT OF HOUSE CATWALK HOUSE LEFT.

- SEE SHEET E2.4 FOR EXACT LOACTION

FRONT OF HOUSE PLUGGING BOXES: (PB-9 & PB-10)

-PROVIDE NEW 36" PIGTAILS AND L5-20 TWIST LOCK RECEPTACLES.

-PROVIDE NEW PEEL & STICK LABELS, CLEAN , AND REPAIR AS NEEDED.
ALL BY ELECTRICAL CONTRACTOR.

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STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

NEW STAGE LIGHTING
HOUSE LIGHTING PLAN

DATE ISSUED:	6/30/14
SCALE:	3/16"=1'-0"
JOB. NO.	1323
DESIGNED:	TSG
DRAWN:	ACM
CHECKED:	TSG
APPROVED:	AJC

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TL-110
11 OF 12

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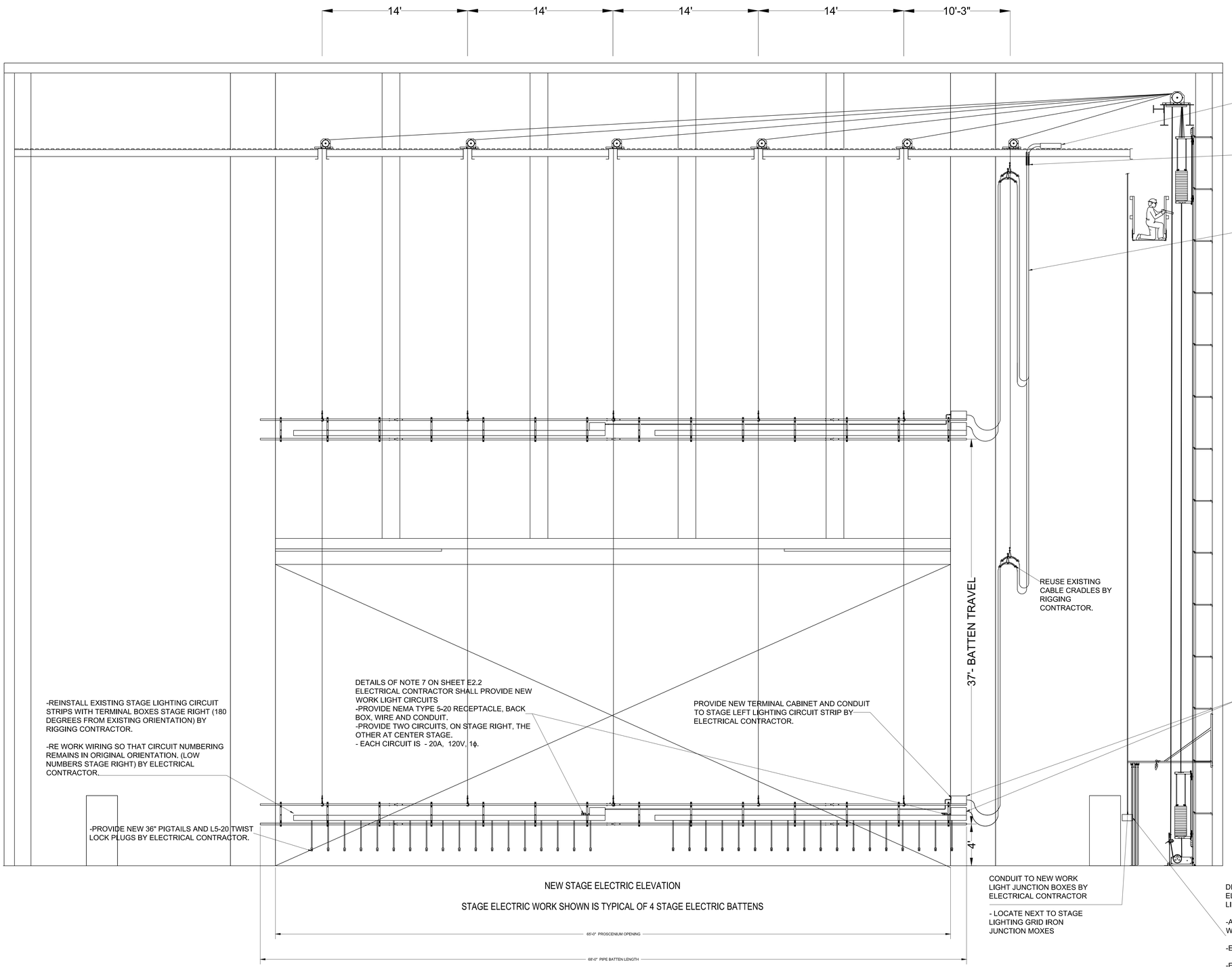

NEW STAGE ELECTRIC ELEVATION

STAGE ELECTRIC WORK SHOWN IS TYPICAL OF 4 STAGE ELECTRIC BATTENS

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STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

NEW STAGE LIGHTING
STAGE LIGHTING BATTENS
ELEVATION

DATE ISSUED:	6/30/14
SCALE:	1/4"=1'-0"
JOB. NO.	1323
DESIGNED:	TSG
DRAWN:	ACM
CHECKED:	TSG
APPROVED:	AJC

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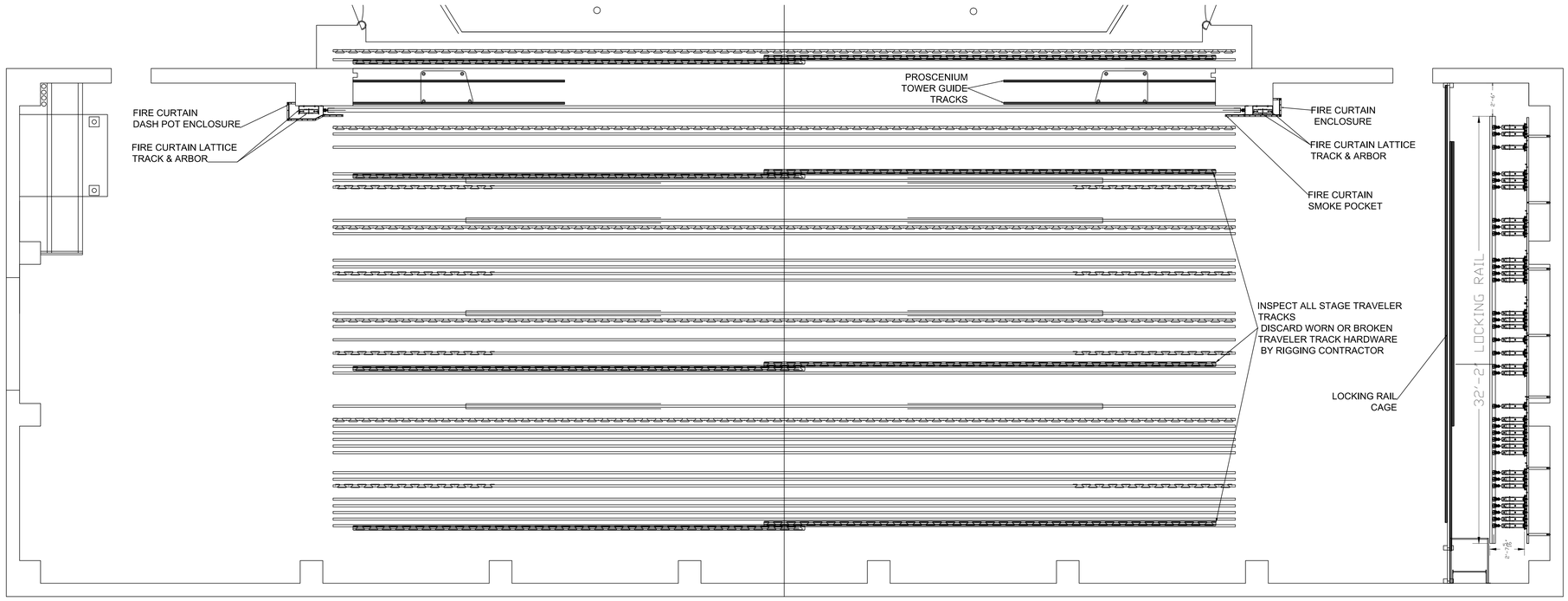
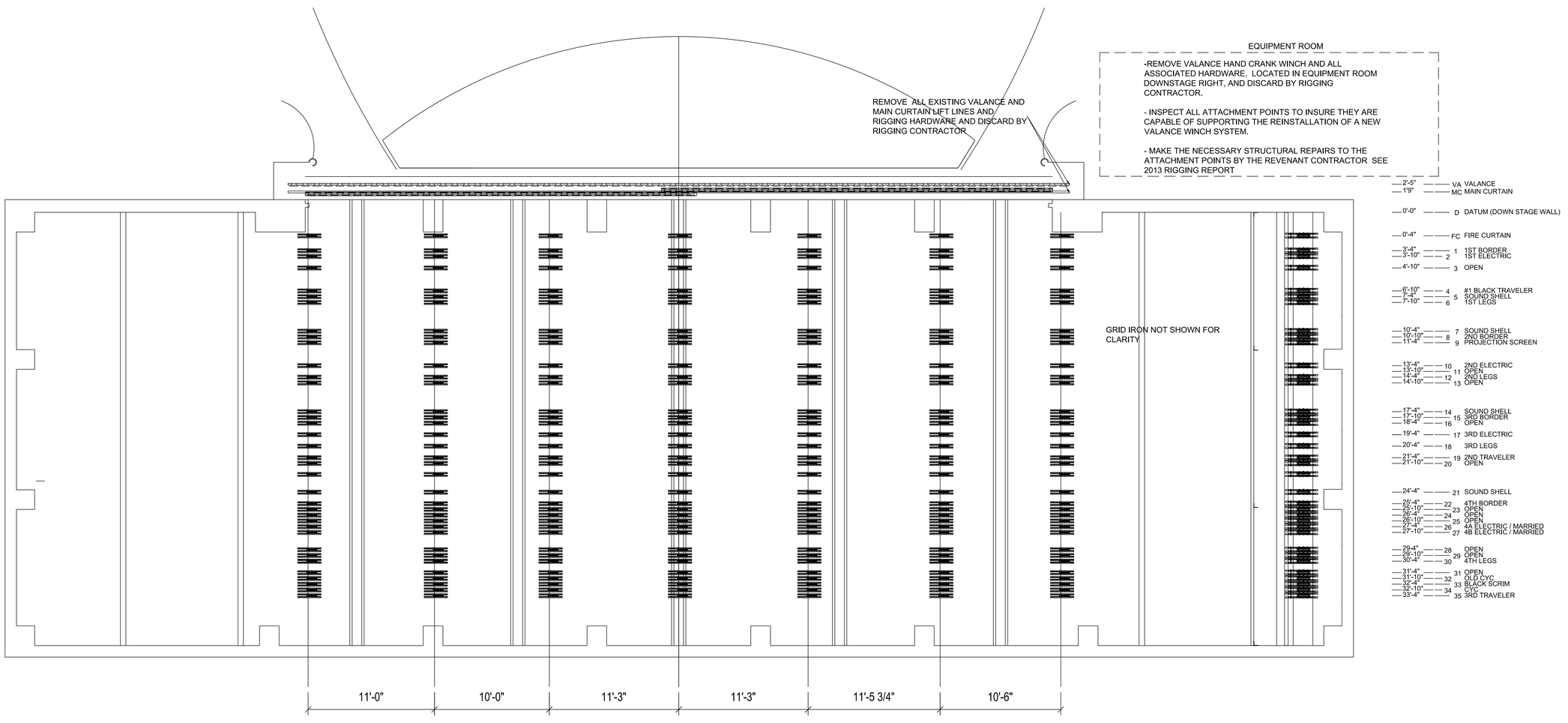
TL-111
12 OF 12

REVISION





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STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
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LYNCHBURG, VIRGINIA

EXISTING STAGE RIGGING
PLAN

DATE ISSUED:	6/30/14
SCALE:	1/4"=1'-0"
JOB. NO.	1323
DESIGNED:	TSG
DRAWN:	ACM
CHECKED:	TSG
APPROVED:	AJC

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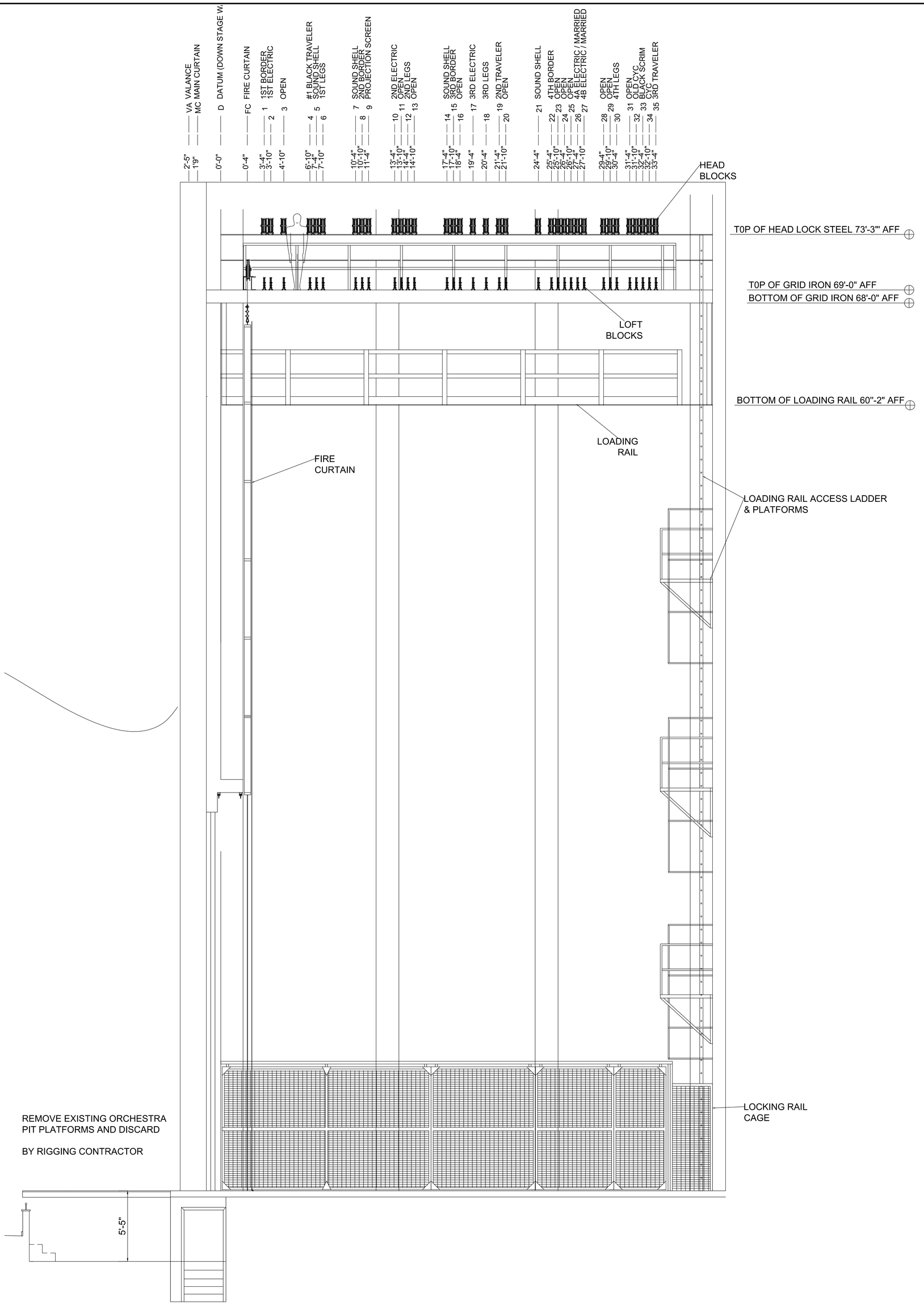
TR-100
1 OF 12

REVISION



REVISION

DRAWING NO. TR-101
2 OF 12

DATE ISSUED: 6/30/14
SCALE: 3/8"=1'-0"
JOB. NO. 1323
DESIGNED: TSG
DRAWN: ACM
CHECKED: TSG
APPROVED: AJC

EXISTING STAGE RIGGING SECTION

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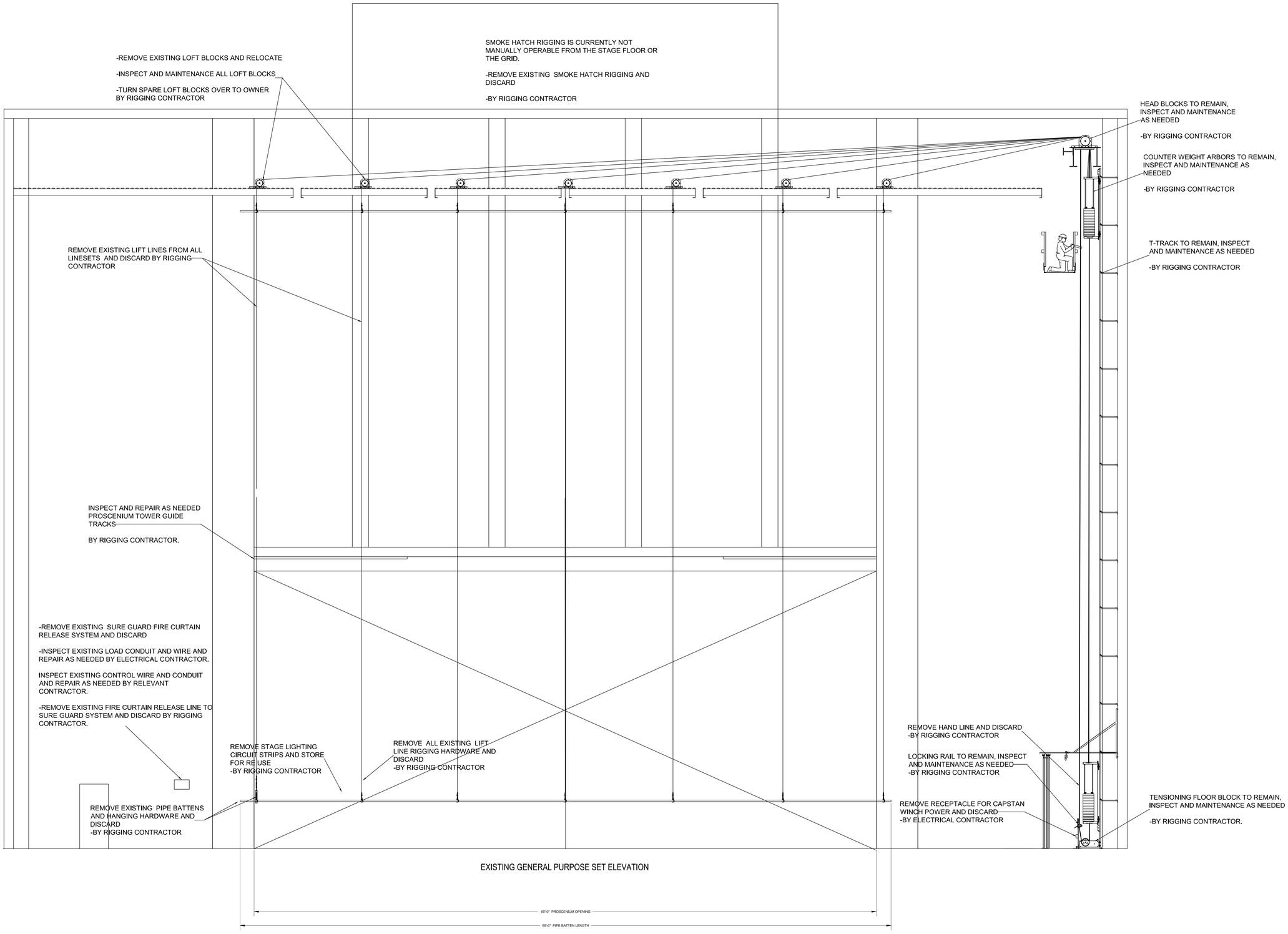

EXISTING GENERAL PURPOSE SET ELEVATION

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STAGE UPGRADES
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LYNCHBURG, VIRGINIA

EXISTING STAGE RIGGING
GENERAL PURPOSE SET
ELEVATION

DATE ISSUED:	6/30/14
SCALE:	1/4"=1'-0"
JOB. NO.	1323
DESIGNED:	TSG
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APPROVED:	AJC

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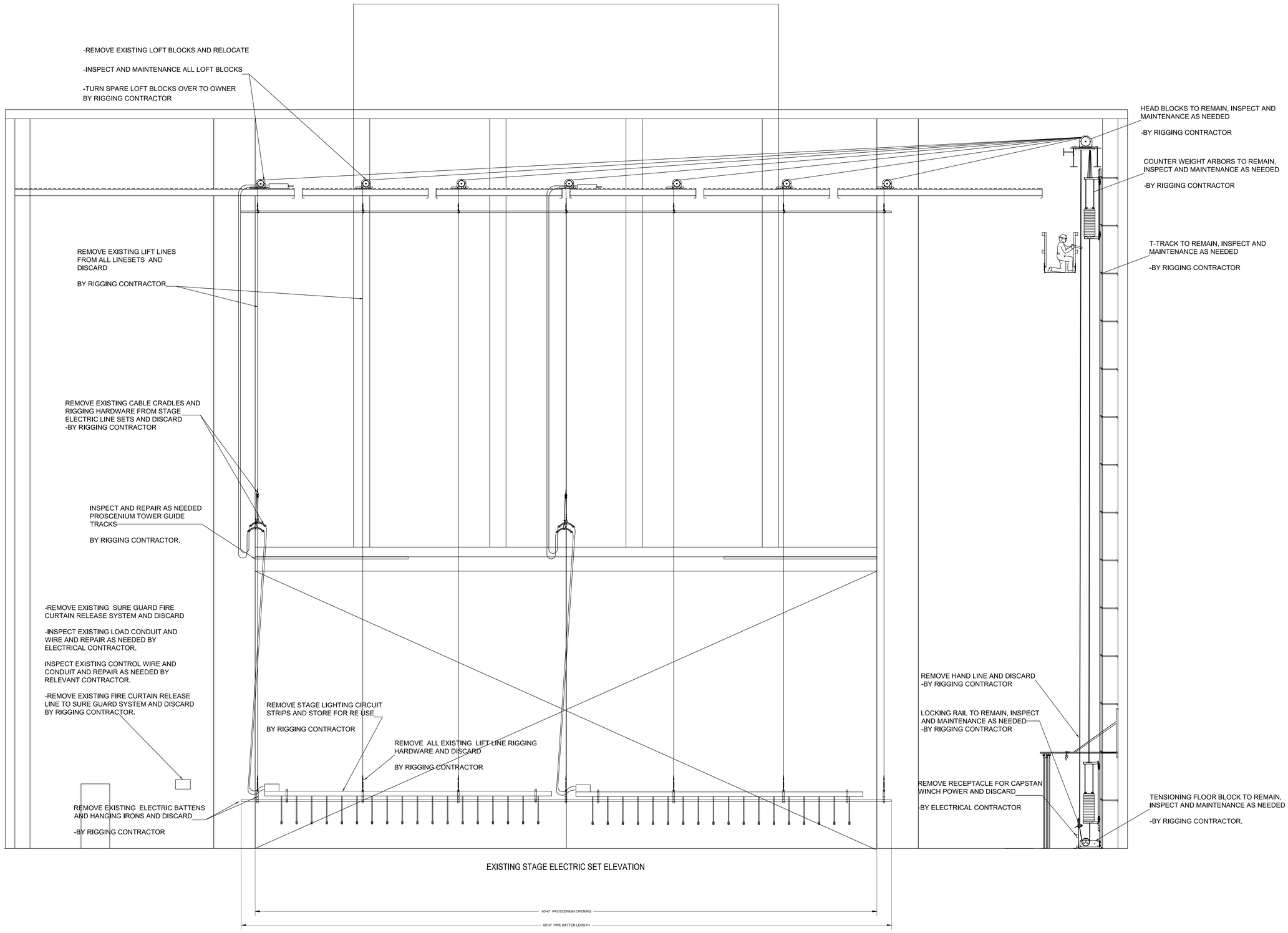
TR-102
3 OF 12

REVISION



EXISTING STAGE ELECTRIC SET ELEVATION

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STAGE UPGRADES
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LYNCHBURG, VIRGINIA

EXISTING STAGE RIGGING
STAGE ELECTRIC SET
ELEVATION

DATE ISSUED:	6/30/14
SCALE:	1/4"=1'-0"
JOB. NO.	1323
DESIGNED:	TSG
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APPROVED:	AJC

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TR-103
4 OF 12

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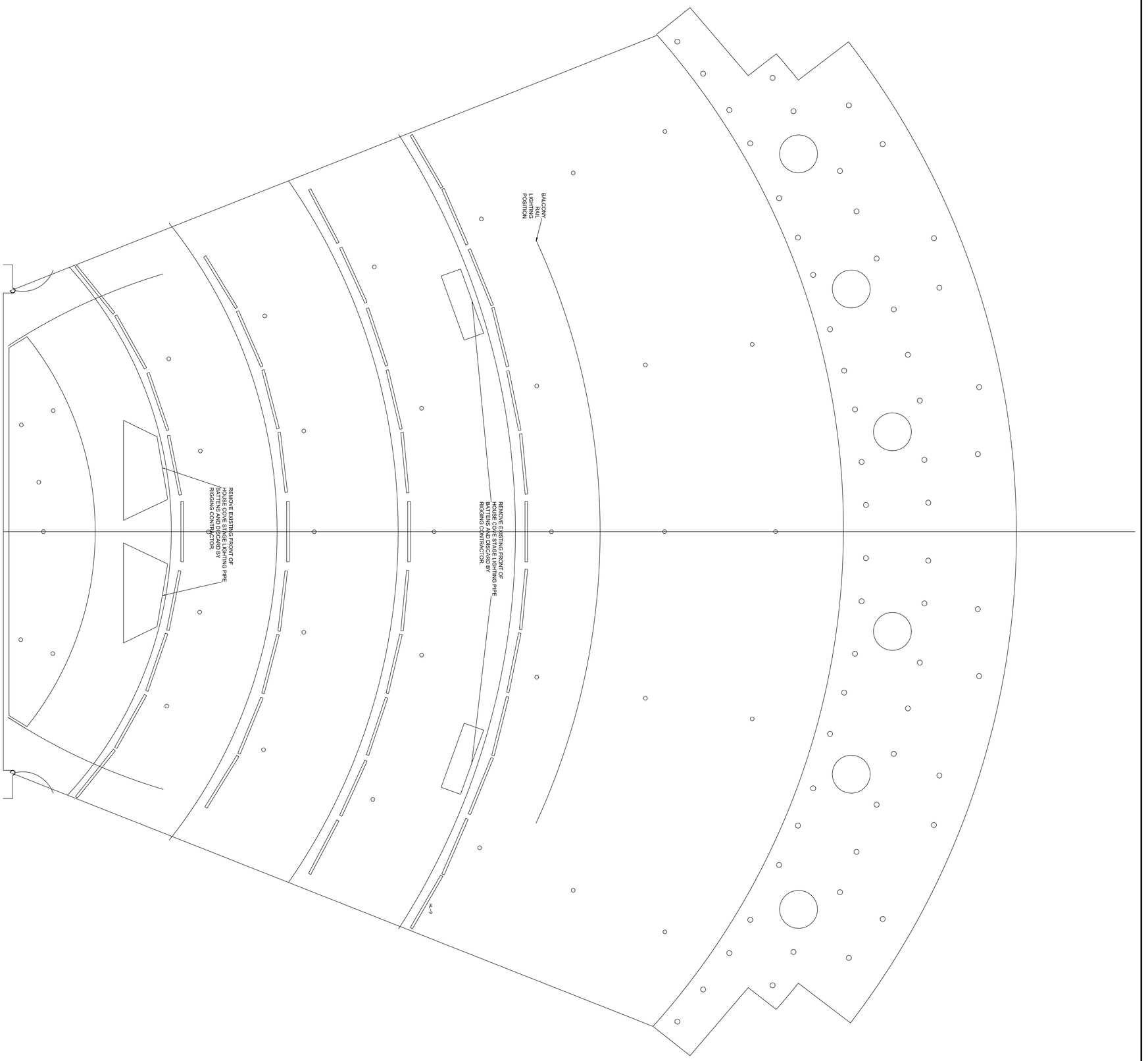

EXISTING STAGE
FRONT OF HOUSE PLAN

STAGE UPGRADES
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LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

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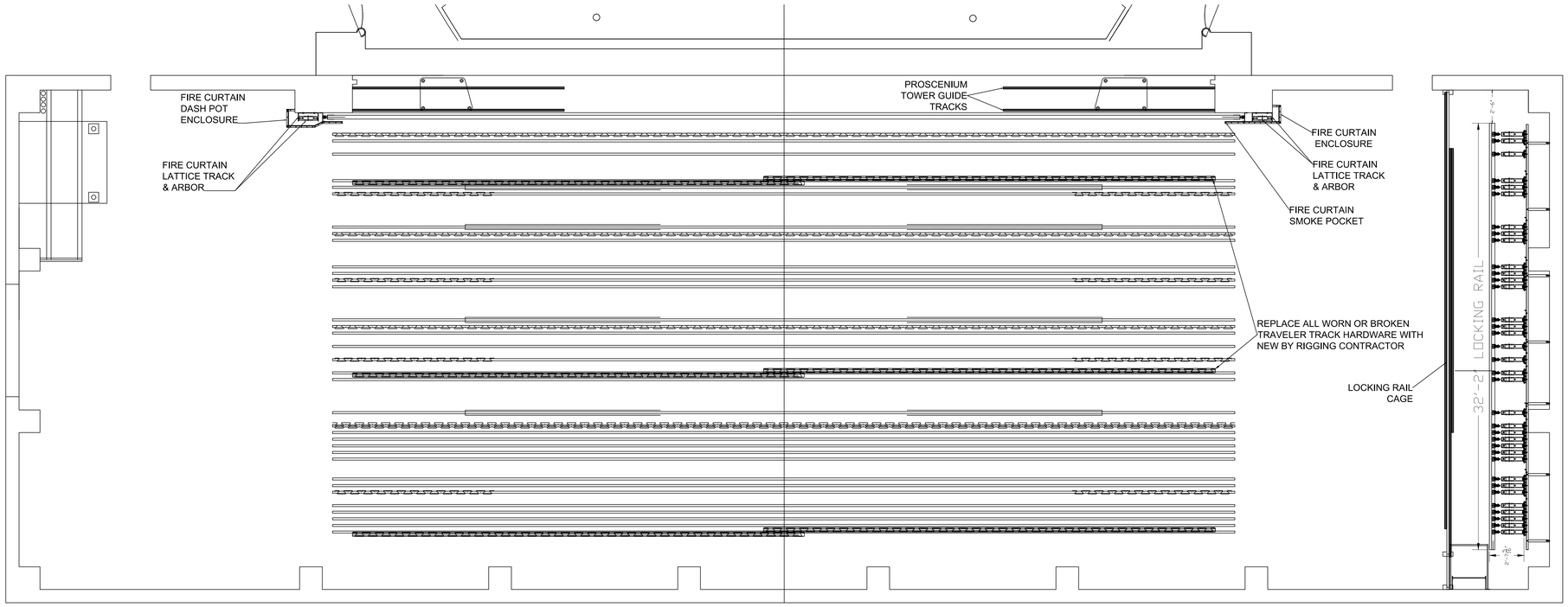
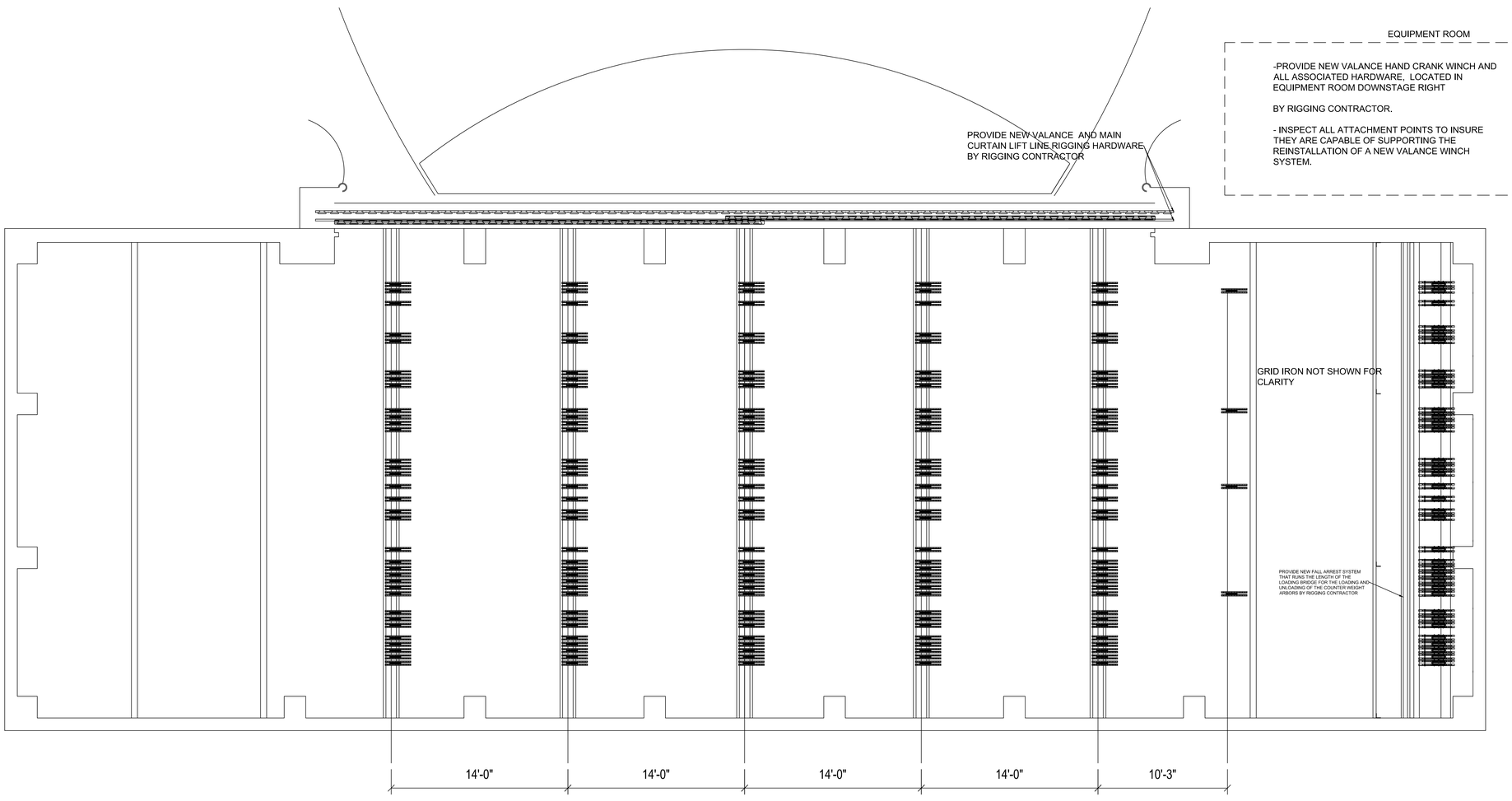


EQUIPMENT ROOM

-PROVIDE NEW VALANCE HAND CRANK WINCH AND ALL ASSOCIATED HARDWARE, LOCATED IN EQUIPMENT ROOM DOWNSTAGE RIGHT

BY RIGGING CONTRACTOR.

- INSPECT ALL ATTACHMENT POINTS TO INSURE THEY ARE CAPABLE OF SUPPORTING THE REINSTALLATION OF A NEW VALANCE WINCH SYSTEM.



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STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

NEW STAGE RIGGING
PLAN

DATE ISSUED:	6/30/14
SCALE:	1/4"=1'-0"
JOB. NO.	1323
DESIGNED:	TSG
DRAWN:	ACM
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APPROVED:	AJC

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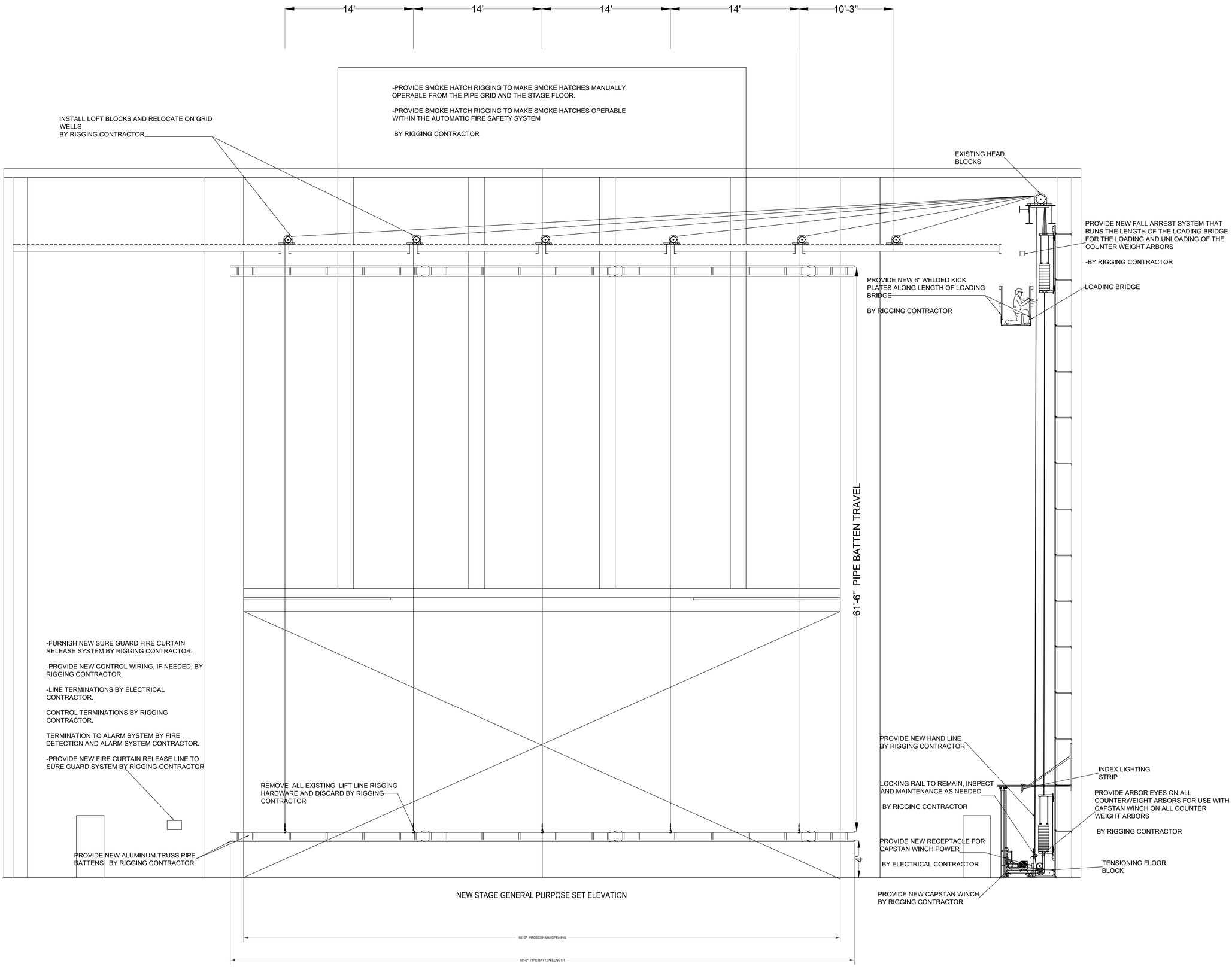

NEW STAGE GENERAL PURPOSE SET ELEVATION

REVISIONS:

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STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
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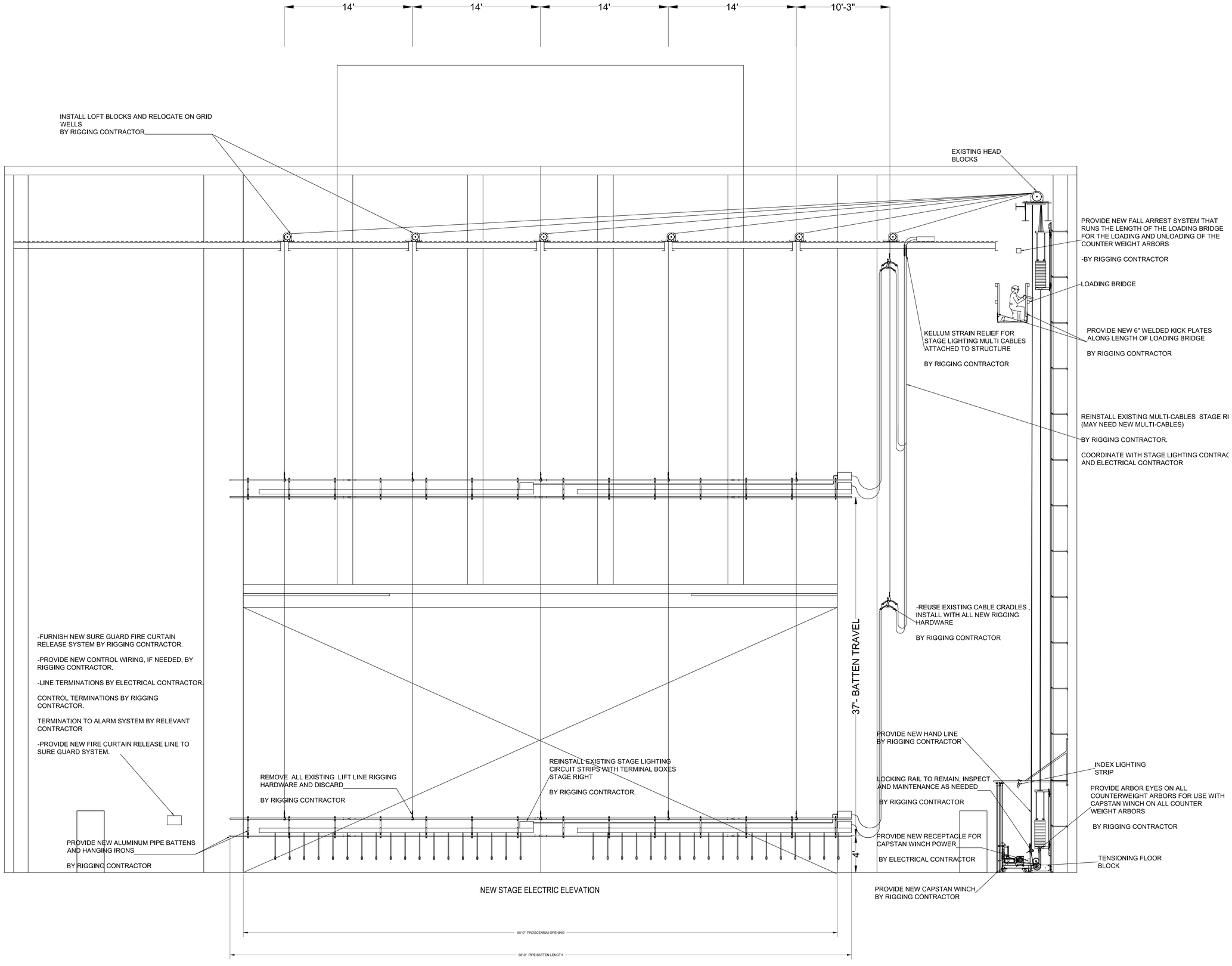
LYNCHBURG, VIRGINIA

NEW STAGE RIGGING STAGE
GENERAL PURPOSE SET
ELEVATION

DATE ISSUED:	6/30/14
SCALE:	1/4"=1'-0"
JOB. NO.	1323
DESIGNED:	TSG
DRAWN:	ACM
CHECKED:	TSG
APPROVED:	AJC

DRAWING NO.
TR-106
7 OF 12
REVISION



NEW STAGE ELECTRIC ELEVATION

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STAGE UPGRADES
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LYNCHBURG, VIRGINIA

NEW STAGE RIGGING
STAGE ELECTRIC SET

DATE ISSUED:	6/30/14
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JOB. NO.	1323
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DRAWN:	ACM
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APPROVED:	AJC

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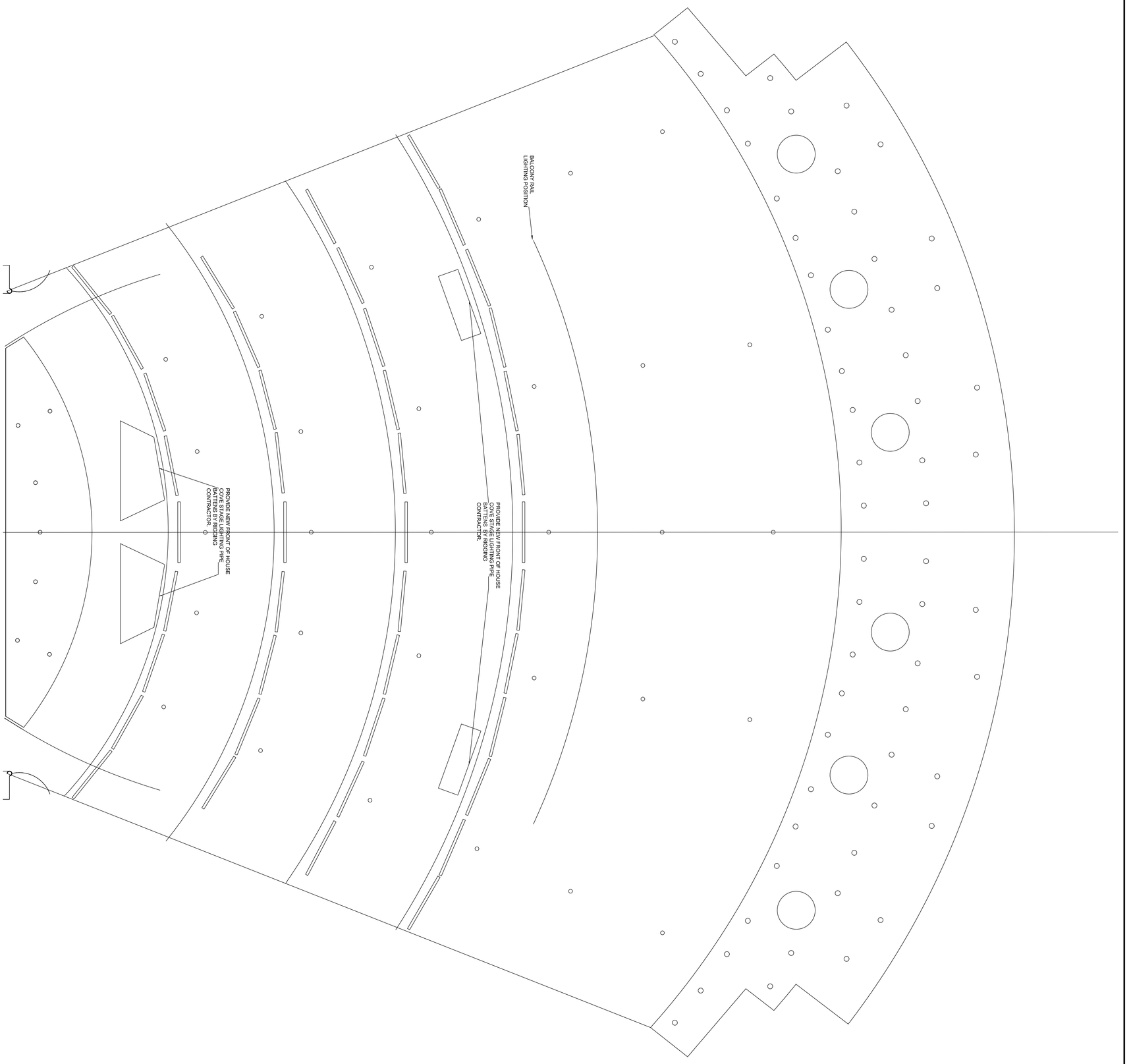
8 OF 12

REVISION



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DRAWING NO: TR-108
9 OF 12

DATE ISSUED: 6/30/14
SCALE: 3/16"=1'-0"
JOB NO. 1323
DESIGNED: TSG
DRAWN: ACM
CHECKED: TSG
APPROVED: AJC

NEW STAGE RIGGING
HOUSE RIGGING PLAN

STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

TSG DESIGN SOLUTIONS, INC
Theatre Consulting
Acoustic Consulting
Architectural Lighting Design
1850 Forest Hill Blvd., Suite 203 • West Palm Beach, FL 33406
tel (561) 967-4511 • fax (561) 967-1689
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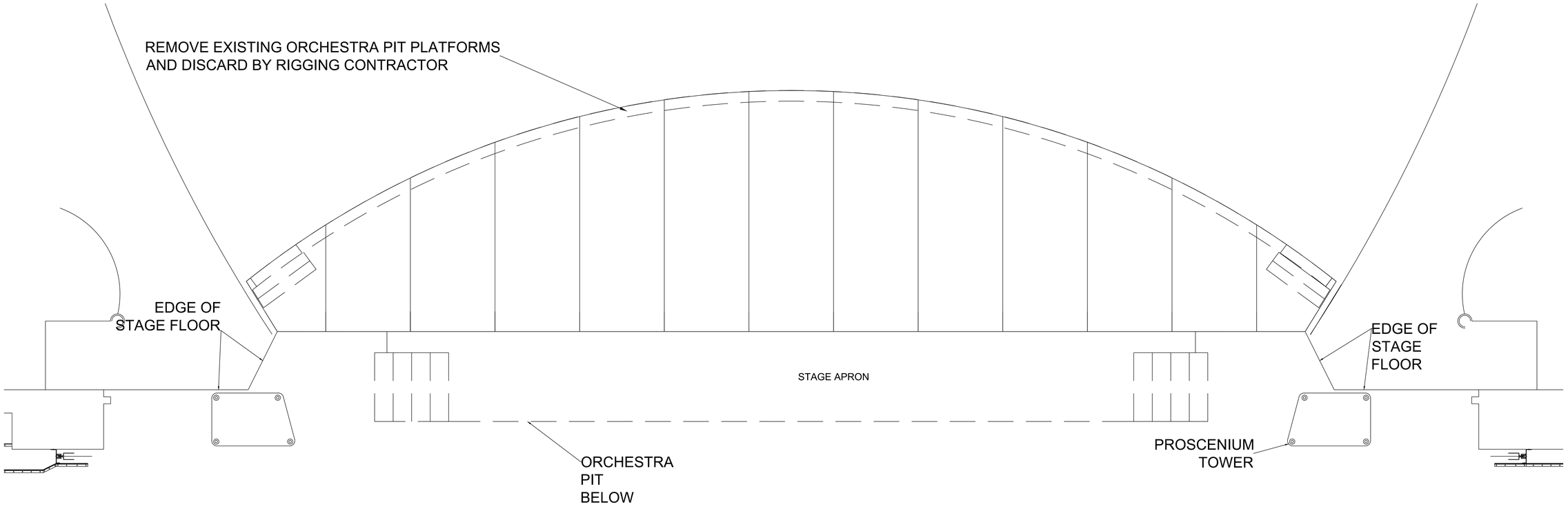
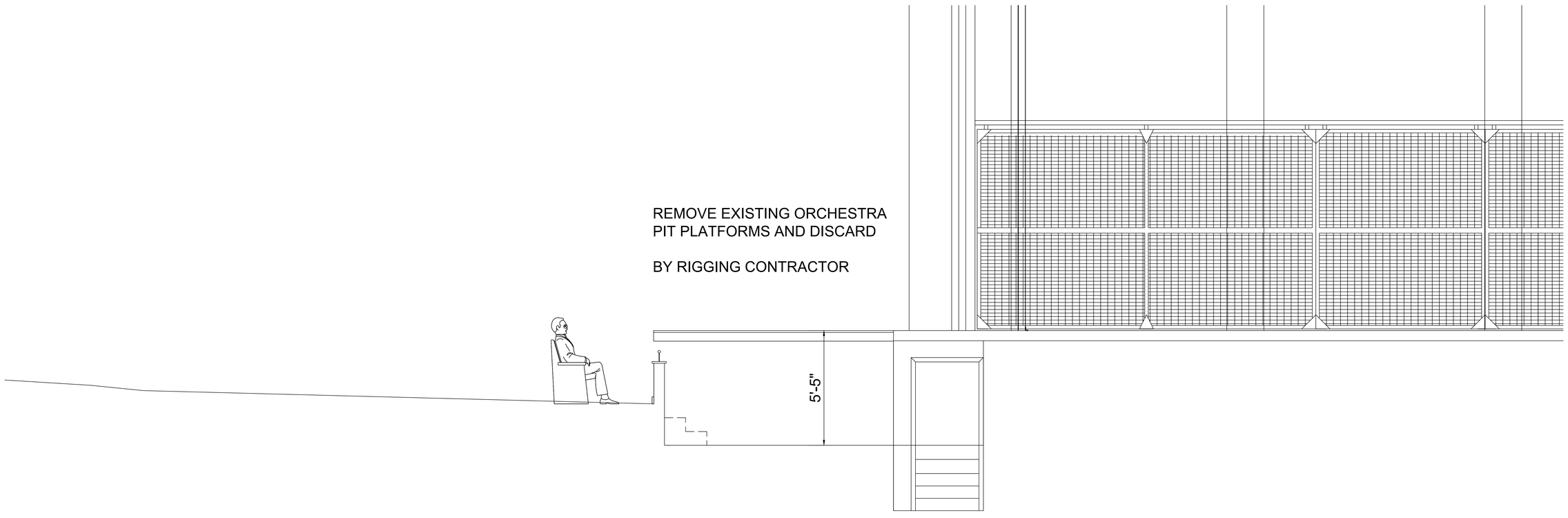
REVISIONS:





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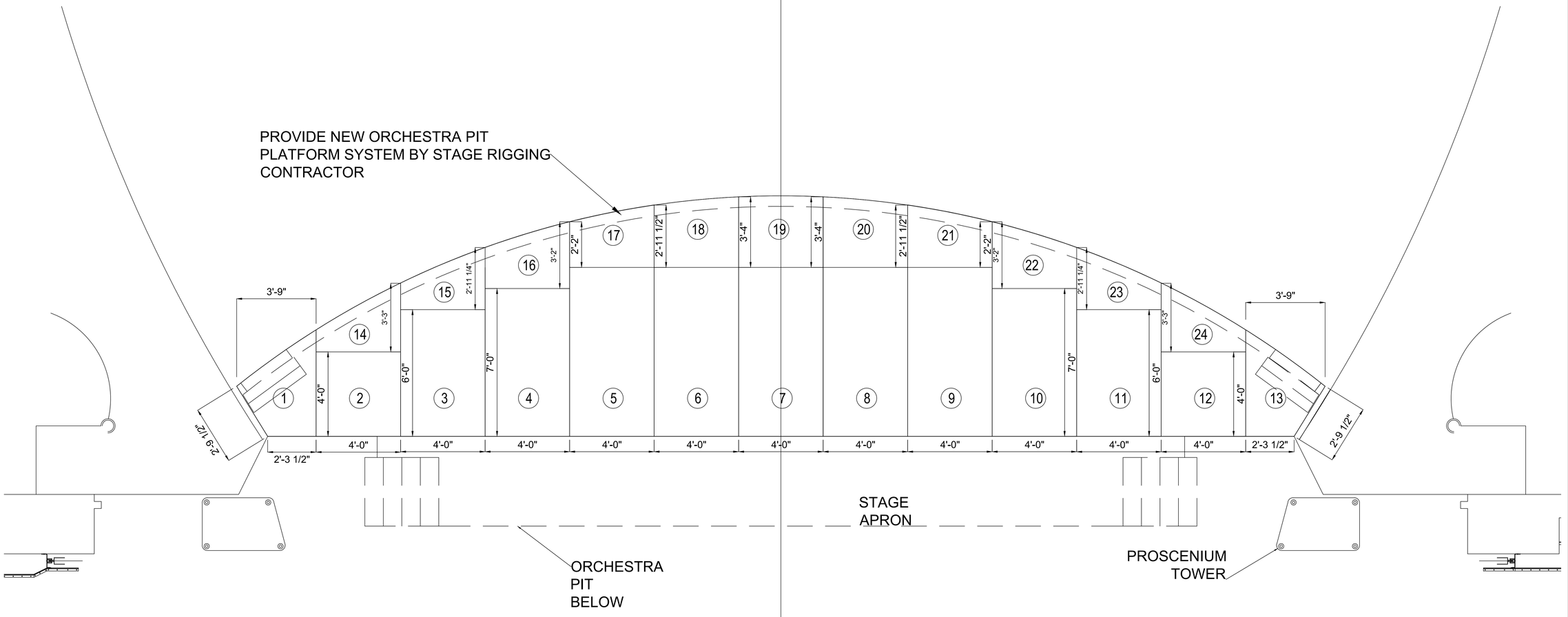
STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

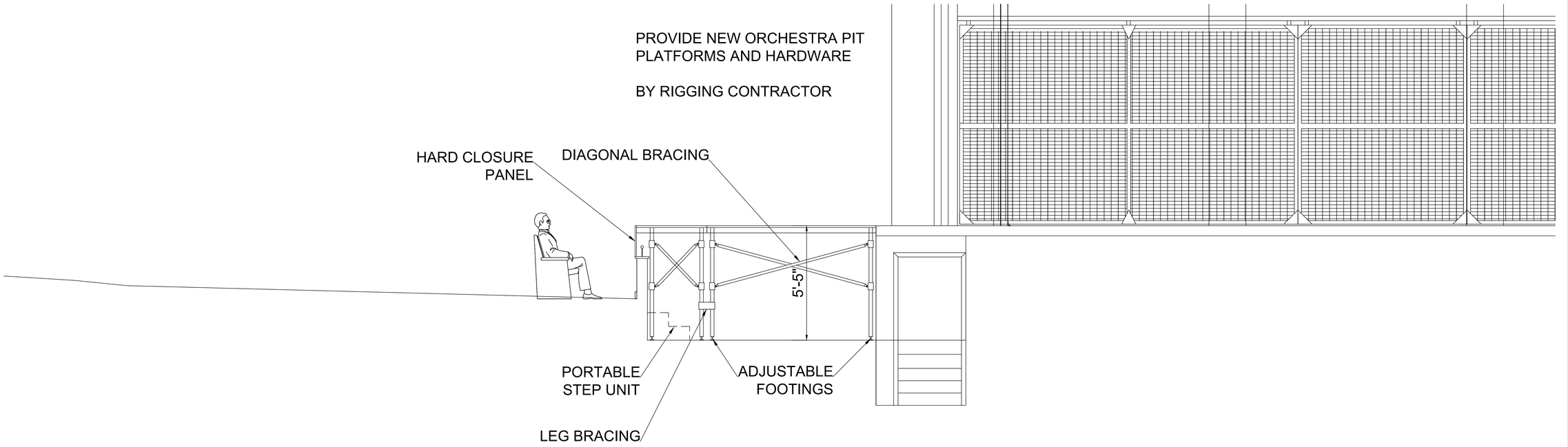
ADD ALTERNATE #1
EXISTING ORCHESTRA PIT
PLAN

DATE ISSUED:	6/30/14
SCALE:	1/2"=1'-0"
JOB. NO.	1323
DESIGNED:	TSG
DRAWN:	ACM
CHECKED:	TSG
APPROVED:	AJC

DRAWING NO.
TR-109
10 OF 12

REVISION





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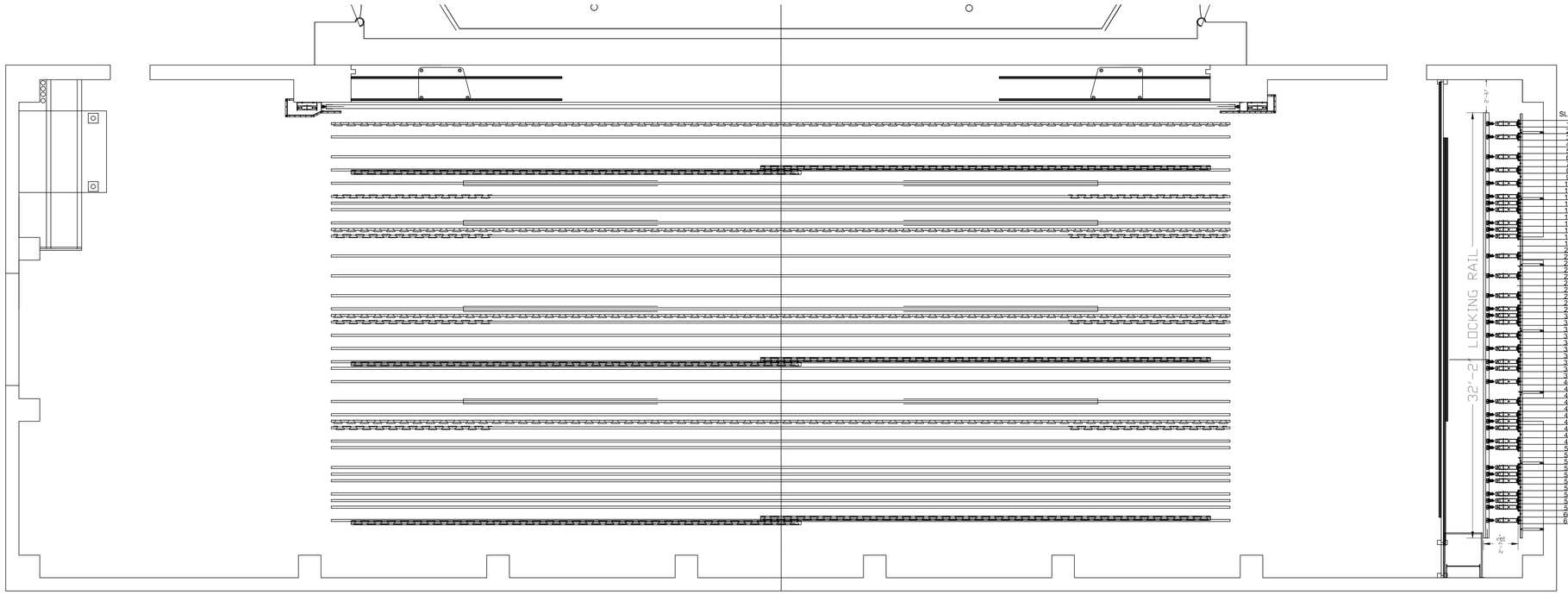
STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

ADD ALTERNATE #1
NEW ORCHESTRA PIT
PLATFORM
PLAN

DATE ISSUED:	6/30/14
SCALE:	1/2"=1'-0"
JOB. NO.	1323
DESIGNED:	TSG
DRAWN:	ACM
CHECKED:	TSG
APPROVED:	AJC

DRAWING NO.
TR-110
11 OF 12

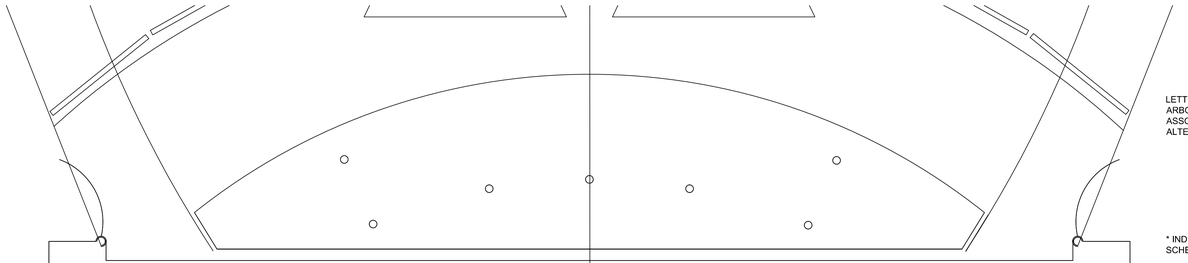
REVISION



ALTERNATE RIGGING PLAN TRACK LAYOUT ;
-2 EXISTING T -TRACKS TO BE MOVER AND REUSED
-PROVIDE 8 NEW T-TRACKS.

DRAWING SHOWS RIGGING PLAN TRACK PLACEMENT IN ALTERNATE CONFIGURATION.

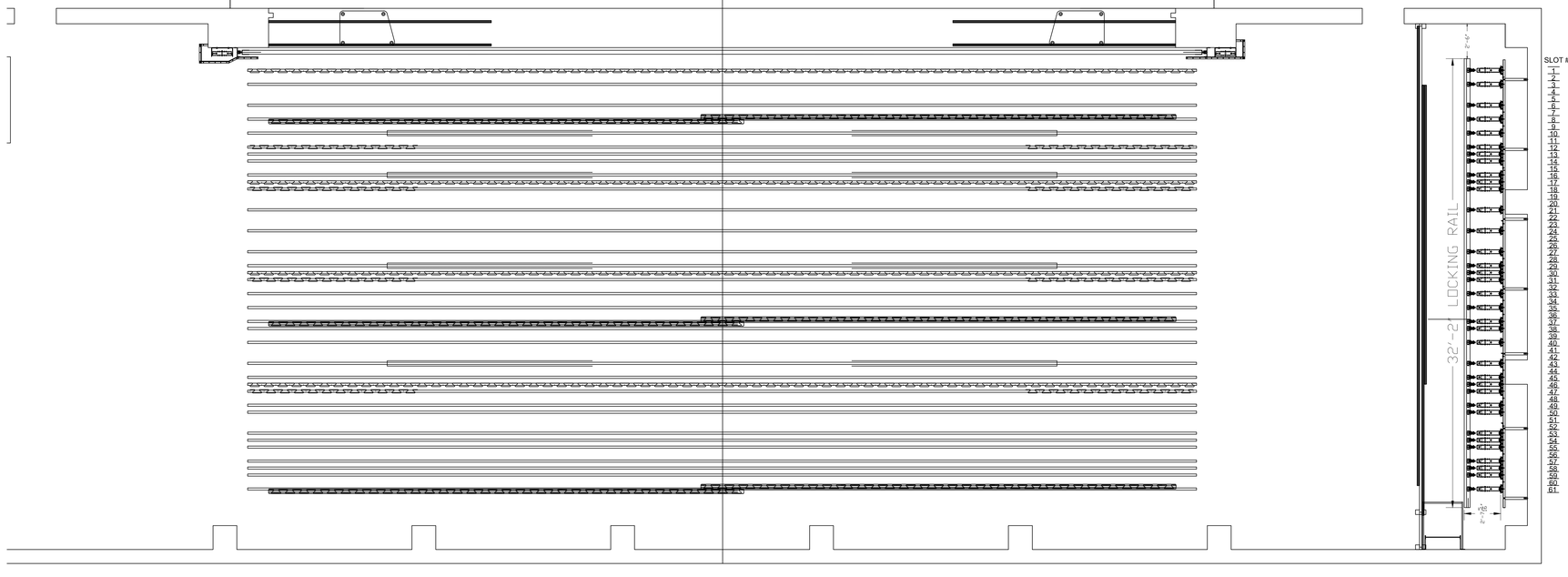
SLOT #	
1	NO TRACK MOVES
2	NO TRACK MOVES
3	NO TRACK MOVES
4	UP STAGE T-TRACK MOVES TO SLOT 6 UP STAGE
5	
6	ADD NEW T-TRACK TO SLOT 6 DOWN STAGE
7	NO TRACK MOVES
8	NO TRACK MOVES
9	NO TRACK MOVES
10	NO TRACK MOVES
11	
12	ADD NEW T-TRACK TO SLOT 12 DOWN STAGE
13	ADD NEW T-TRACK TO SLOT 13 DOWN STAGE & UP STAGE
14	NO TRACK MOVES
15	NO TRACK MOVES
16	NO TRACK MOVES
17	NO TRACK MOVES
18	ADD NEW T-TRACK TO SLOT 18 UP STAGE
19	
20	
21	NO TRACK MOVES
22	UP STAGE T-TRACK MOVES TO SLOT 27 UP STAGE
23	
24	NO TRACK MOVES
25	
26	
27	ADD NEW T-TRACK TO SLOT 27 DOWN STAGE
28	
29	NO TRACK MOVES
30	NO TRACK MOVES
31	NO TRACK MOVES
32	NO TRACK MOVES
33	NO TRACK MOVES
34	NO TRACK MOVES
35	NO TRACK MOVES
36	NO TRACK MOVES
37	NO TRACK MOVES
38	NO TRACK MOVES
39	
40	ADD NEW T-TRACK TO SLOT 40 DOWN STAGE & UP STAGE
41	
42	
43	NO TRACK MOVES
44	NO TRACK MOVES
45	NO TRACK MOVES
46	NO TRACK MOVES
47	NO TRACK MOVES
48	NO TRACK MOVES
49	NO TRACK MOVES
50	NO TRACK MOVES
51	
52	
53	NO TRACK MOVES
54	NO TRACK MOVES
55	NO TRACK MOVES
56	NO TRACK MOVES
57	NO TRACK MOVES
58	NO TRACK MOVES
59	NO TRACK MOVES
60	NO TRACK MOVES
61	NO TRACK MOVES



LETTER INDICATES THE MOVING OF THE HEAD BLOCK, COUNTER WEIGHT ARBOR, FLOOR PULLEY, HAND LOCK, INDEX CARD HOLDERS AND ALL ASSOCIATED HARDWARE FROM THE EXISTING LINE SCHEDULE TO THE ALTERNATE LINE SCHEDULE. SEE KEY BELOW;

- A = RIGGING HARDWARE MOVED FROM SLOT 2 TO SLOT 3
- B = RIGGING HARDWARE MOVED FROM SLOT 4 TO SLOT 6
- C = RIGGING HARDWARE MOVED FROM SLOT 9 TO SLOT 12
- D = RIGGING HARDWARE MOVED FROM SLOT 15 TO SLOT 13
- E = RIGGING HARDWARE MOVED FROM SLOT 22 TO SLOT 14
- F = RIGGING HARDWARE MOVED FROM SLOT 23 TO SLOT 18
- G = RIGGING HARDWARE MOVED FROM SLOT 48 TO SLOT 27
- H = RIGGING HARDWARE MOVED FROM SLOT 60 TO 40

* INDICATES A CHANGE IN THE LINE SCHEDULE FROM THE EXISTING LINE SCHEDULE TO THE ALTERNATE LINE SCHEDULE.



SLOT #			
1			
2			
3			
4			
5			
6			
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59			
60			
61			

ALTERNATE LINE SCHEDULE

2'-5" / 1'9"	VA / MC		VALANCE / MAIN CURTAIN
0'-0"	D		DATUM (DOWN STAGE WALL)
0'-4"	FC		FIRE CURTAIN
3'-4"	1		1ST BORDER
A 4'-4"	2		1ST ELECTRIC
B 5'-10"	3		OPEN
6'-10"	4		#1 BLACK TRAVELER
7'-10"	5		SOUND SHELL
C 8'-10"	6		1ST LEGS
D 9'-4"	7		OPEN
E 9'-10"	8		PROJECTION SCREEN
10'-10"	9		SOUND SHELL
11'-4"	10		2ND BORDER
F 14'-4"	11		2ND LEGS
13'-4"	12		2ND ELECTRIC
14'-10"	13		OPEN
G 16'-4"	14		OPEN
17'-4"	15		SOUND SHELL
17'-10"	16		3RD BORDER
18'-4"	17		3RD LEGS
19'-4"	18		3RD ELECTRIC
20'-4"	19		OPEN
21'-4"	20		2ND TRAVELER
21'-10"	21		OPEN
H 22'-10"	22		OPEN
24'-4"	23		SOUND SHELL
25'-4"	24		OPEN
25'-10"	25		4TH BORDER
26'-4"	26		4TH LEGS
27'-4"	27		4A ELECTRIC / MARRIED
27'-10"	28		4B ELECTRIC / MARRIED
29'-4"	29		OPEN
29'-10"	30		OPEN
30'-4"	31		OPEN
31'-4"	32		OPEN
31'-10"	33		BLACK SCRIM
32'-4"	34		CYC
33'-4"	35		3RD TRAVELER

EXISTING LINE SCHEDULE

2'-5" / 1'9"	VA / MC		VALANCE / MAIN CURTAIN
0'-0"	D		DATUM (DOWN STAGE WALL)
0'-4"	FC		FIRE CURTAIN
3'-4"	1		1ST BORDER
A 3'-10"	2		1ST ELECTRIC
B 4'-10"	3		OPEN
6'-10"	4		#1 BLACK TRAVELER
C 7'-4"	5		SOUND SHELL
7'-10"	6		1ST LEGS
D 10'-4"	7		SOUND SHELL
10'-10"	8		2ND BORDER
11'-4"	9		PROJECTION SCREEN
13'-4"	10		2ND ELECTRIC
E 13'-10"	11		OPEN
F 14'-4"	12		2ND LEGS
14'-10"	13		OPEN
17'-4"	14		SOUND SHELL
17'-10"	15		3RD BORDER
18'-4"	16		OPEN
19'-4"	17		3RD ELECTRIC
20'-4"	18		3RD LEGS
21'-4"	19		2ND TRAVELER
21'-10"	20		OPEN
24'-4"	21		SOUND SHELL
25'-4"	22		4TH BORDER
25'-10"	23		OPEN
26'-4"	24		OPEN
G 26'-10"	25		OPEN
27'-4"	26		4A ELECTRIC / MARRIED
27'-10"	27		4B ELECTRIC / MARRIED
29'-4"	28		OPEN
29'-10"	29		OPEN
30'-4"	30		4TH LEGS
31'-4"	31		OPEN
31'-10"	32		OLD CYC
32'-4"	33		BLACK SCRIM
H 32'-10"	34		CYC
33'-4"	35		3RD TRAVELER

REVISIONS:

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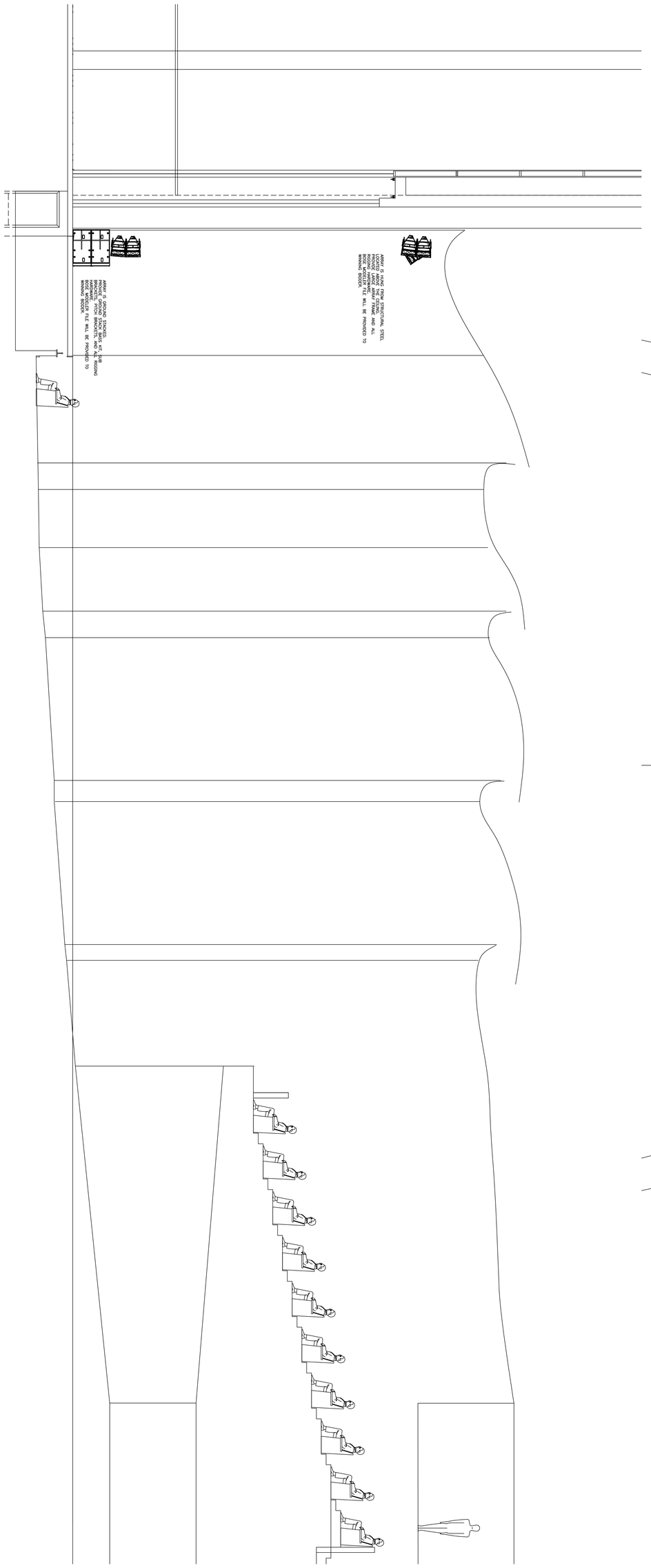
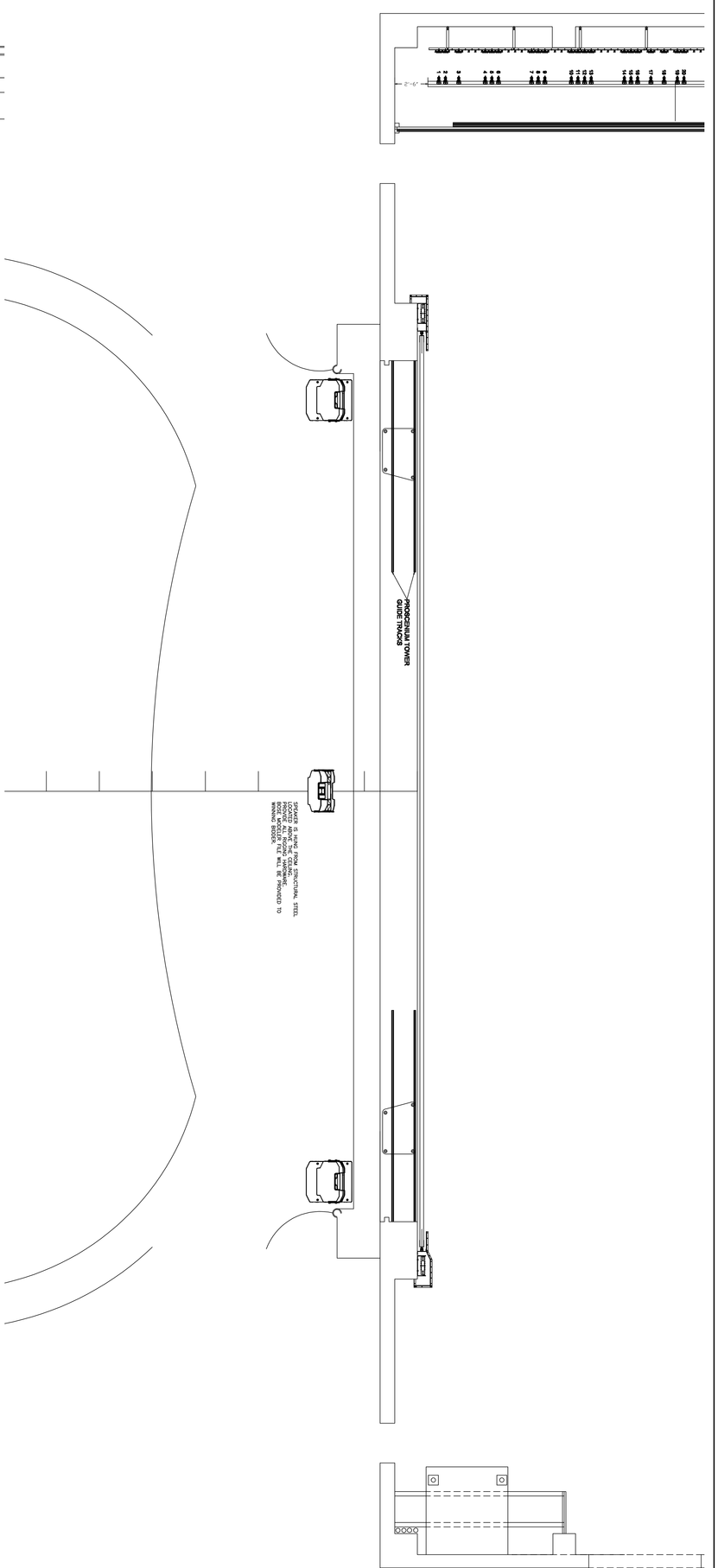
STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

ADD ALTERNATE #2
ALTERNATE STAGE RIGGING
PLAN

DATE ISSUED:	6/30/14
SCALE:	1/4"=1'-0"
JOB. NO.	1323
DESIGNED:	TSG
DRAWN:	ACM
CHECKED:	TSG
APPROVED:	AJC

DRAWING NO.
TR-111
12 OF 12
REVISION





DRAWING NO. TS-100
REVISION 1 OF 5

DATE ISSUED: 6/30/14
SCALE: 1/4"=1'-0"
JOB. NO. 1323
DESIGNED: TSG
DRAWN: RC
CHECKED: AJC
APPROVED: AJC

AV SYSTEM
NEW SPEAKER ARRAYS

STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

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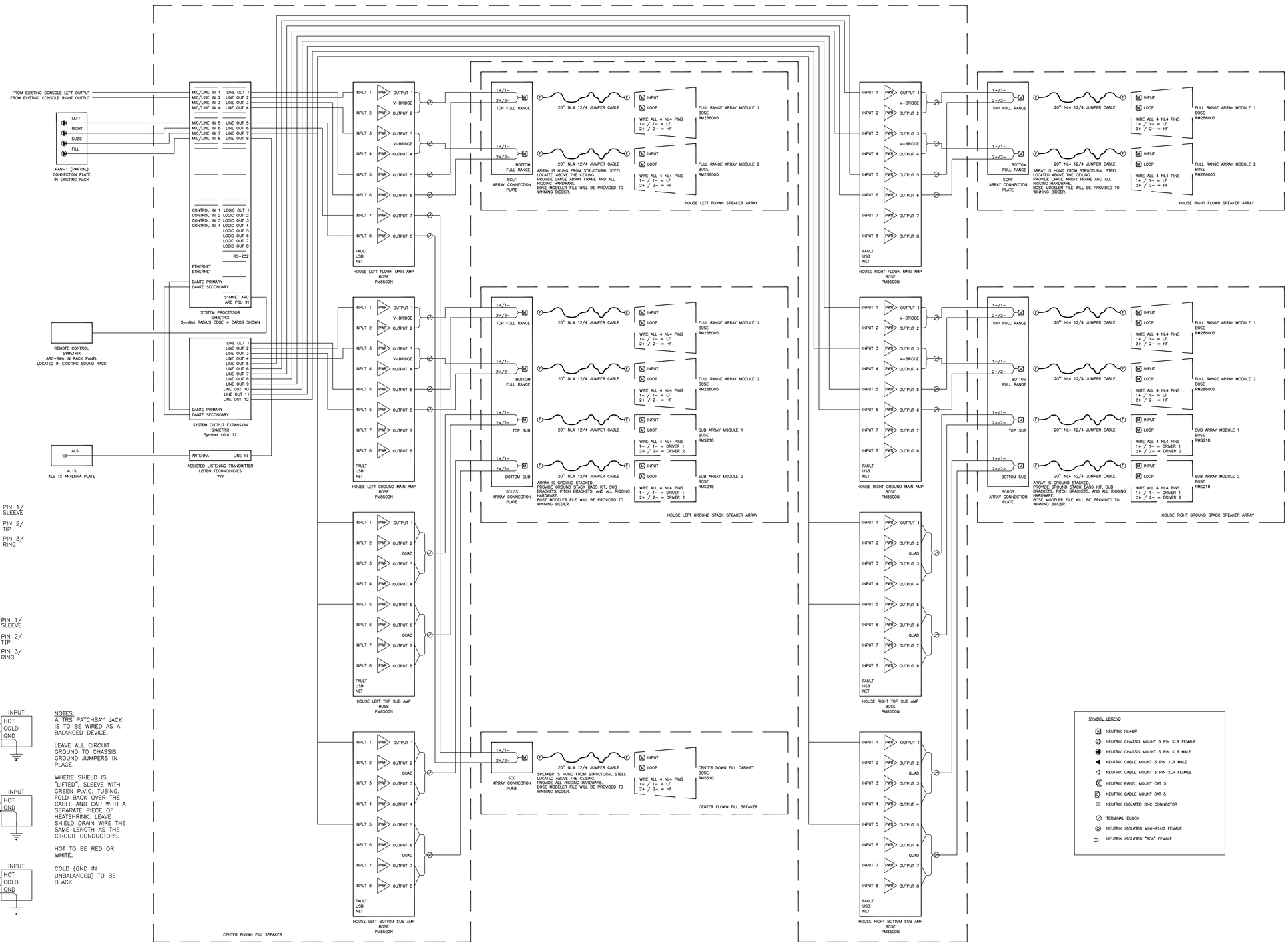

NOTES:
A TRS PATCHBAY JACK IS TO BE WIRED AS A BALANCED DEVICE.

LEAVE ALL CIRCUIT GROUND TO CHASSIS GROUND JUMPERS IN PLACE.

WHERE SHIELD IS "LIFTED", SLEEVE WITH GREEN P.V.C. TUBING. FOLD BACK OVER THE CABLE AND CAP WITH A SEPARATE PIECE OF HEATSHRINK. LEAVE SHIELD DRAIN WIRE THE SAME LENGTH AS THE CIRCUIT CONDUCTORS.

HOT TO BE RED OR WHITE.

COLD (GND IN UNBALANCED) TO BE BLACK.

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STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

AV SYSTEM
NEW AMPS AND SPEAKER ONELINE.

DATE ISSUED:	6/30/14
SCALE:	NTS
JOB. NO.	1323
DESIGNED:	TSG
DRAWN:	RC
CHECKED:	AJC
APPROVED:	AJC

DRAWING NO.
TS–101
2 OF 5
REVISION

AJ 1 S — ANTENNA JACK
FSR SMWB-1G
SURFACE MOUNT WALL BOX
LOCATE ABOVE CEILING IN LINE WITH
THE FLOWN SPEAKER ARRAY

AJB 1 — ANTENNA JUNCTION BOX
4X4X4 SCREW COVER BOX
INSTALL ABOVE SOUND RACK 2

IJB 1 — MIC / SPEAKER / LINE / VIDEO / DC CONTROL JUNCTION BOX
12X12X6 SCREW COVER BOX
INSTALL TO THE OFFSTAGE SIDE
OF SOUND RACK 1

IJB 2 — LINE / DC CONTROL JUNCTION BOX
8X8X4 SCREW COVER BOX
INSTALL ABOVE SOUND RACK 2

MJ 3 S — MIC RECEPTACLE
FSR SMWB-3G
SURFACE MOUNT BOX
MOUNT AT 18" AFF

PO — PROJECTOR OUTLET
FSR SMWB-1G
SURFACE MOUNT BOX
MOUNT AT 18" AFF

RS 1 — SOUND RACK 1
EXISTING SOUND RACK

RS 2 — SOUND RACK 2
PROVIDED BY SOUND CONTRACTOR

SCL F — HOUSE LEFT FLOWN SPEAKER ARRAY
FURNISHED BY SOUND CONTRACTOR
INSTALLED BY ELECTRICAL CONTRACTOR
SURFACE MOUNT BOX
LOCATE ABOVE CEILING IN LINE WITH
THE FLOWN SPEAKER ARRAY

SCL GS — HOUSE LEFT GROUND STACKED SPEAKER ARRAY
FURNISHED BY SOUND CONTRACTOR
INSTALLED BY ELECTRICAL CONTRACTOR
SURFACE MOUNT BOX
LOCATE OFFSTAGE IN COVE

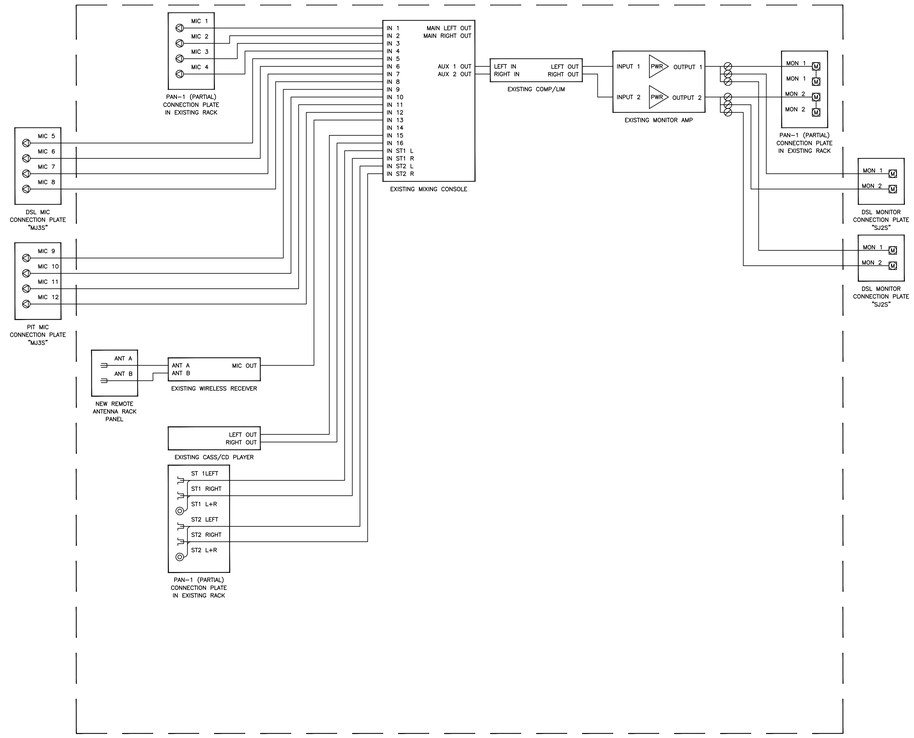
SCC — HOUSE CENTER FLOWN SPEAKER ARRAY
FURNISHED BY SOUND CONTRACTOR
INSTALLED BY ELECTRICAL CONTRACTOR
SURFACE MOUNT BOX
LOCATE ABOVE CEILING IN LINE WITH
THE FLOWN SPEAKER ARRAY

SCR F — HOUSE RIGHT FLOWN SPEAKER ARRAY
FURNISHED BY SOUND CONTRACTOR
INSTALLED BY ELECTRICAL CONTRACTOR
SURFACE MOUNT BOX
LOCATE ABOVE CEILING IN LINE WITH
THE FLOWN SPEAKER ARRAY

SCR GS — HOUSE RIGHT GROUND STACKED SPEAKER ARRAY
FURNISHED BY SOUND CONTRACTOR
INSTALLED BY ELECTRICAL CONTRACTOR
SURFACE MOUNT BOX
LOCATE OFFSTAGE IN COVE

SJ 2 S — SPEAKER RECEPTACLE
FSR SMWB-2G
SURFACE MOUNT BOX
MOUNT AT 18" AFF

SJB 1 — SPEAKER JUNCTION BOX
12X12X6 SCREW COVER BOX
INSTALL ABOVE SOUND RACK 2



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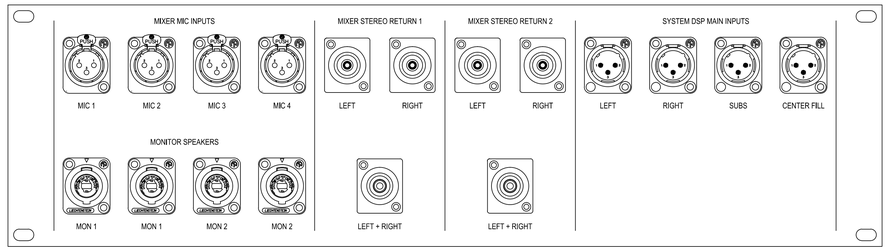
STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

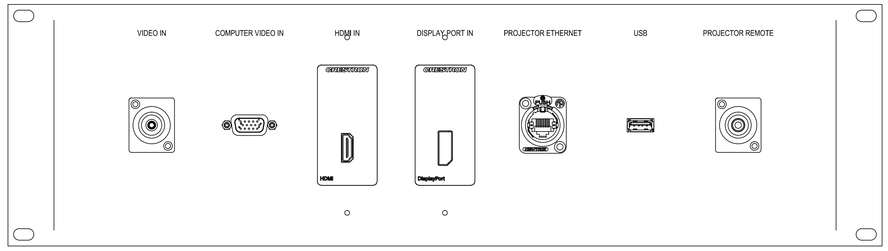
AV SYSTEM
REWORK EXISTING SOUND RACK
ONELINE

DATE ISSUED:	6/30/14
SCALE:	NTS
JOB. NO.	1323
DESIGNED:	TSG
DRAWN:	RC
CHECKED:	AJC
APPROVED:	AJC

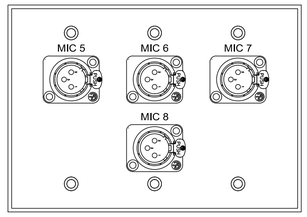
DRAWING NO.
TS-102
3 OF 5
REVISION



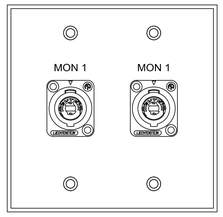
PAN–1



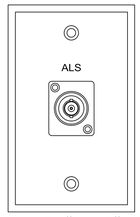
PAN–2



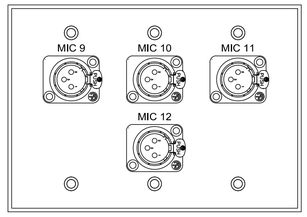
DSL MIC "MJ3S"



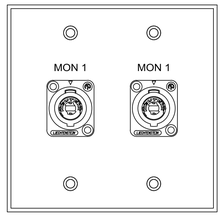
DSL MONITOR "SJ2S"



ALS "AJ1S"

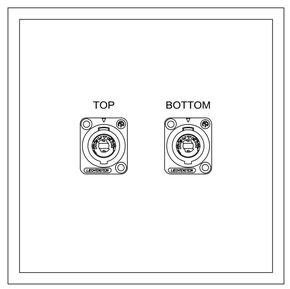


PIT MIC "MJ3S"

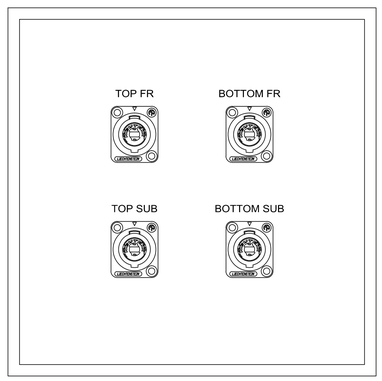


PIT MONITOR "SJ2S"

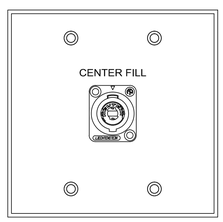
PROJECTOR "PO"



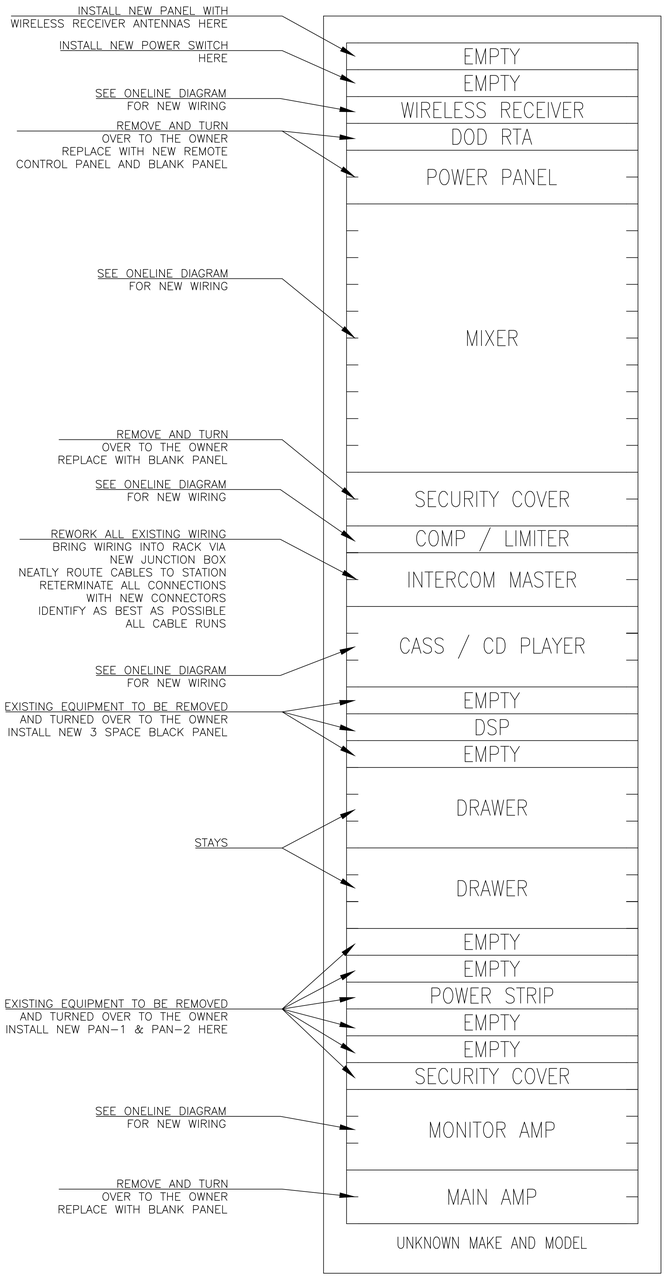
FLOWN SPEAKER ARRAY
TYPICAL OF 2 "SCLF" & "SCRF"



GROUND STACKED SPEAKER ARRAY
TYPICAL OF 2 "SCLGS" & "SCRGS"

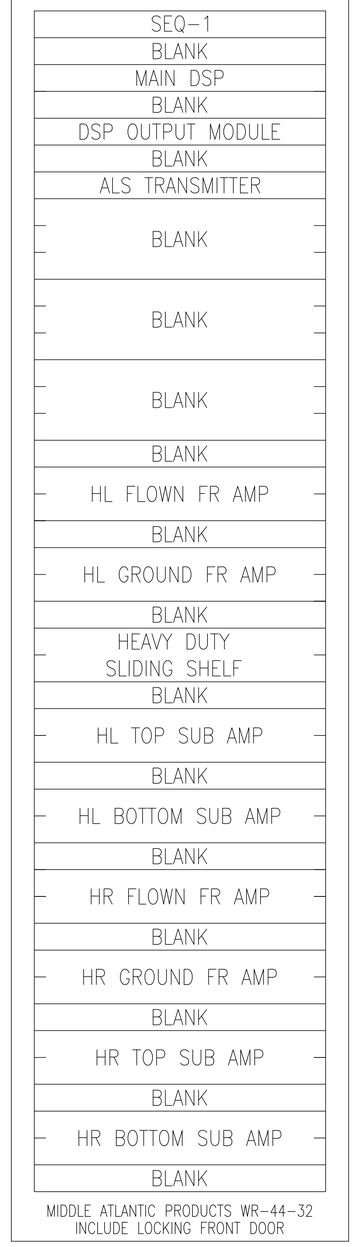


CENTER FILL "SCC"



UNKNOWN MAKE AND MODEL

EXISTING SOUND RACK



MIDDLE ATLANTIC PRODUCTS WR–44–32
INCLUDE LOCKING FRONT DOOR

NEW AMP RACK

REVISIONS:

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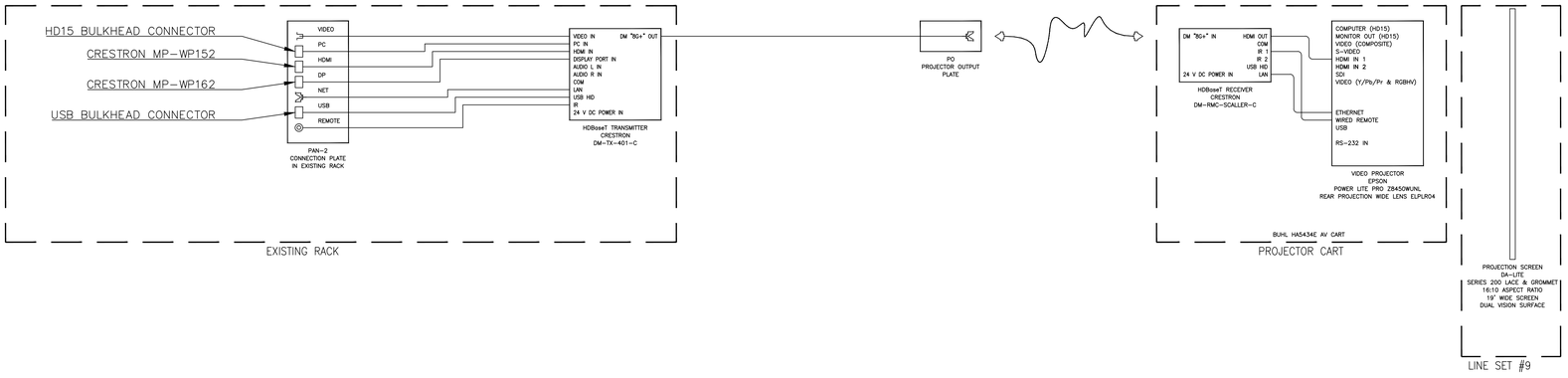
STAGE UPGRADES
E. C. GLASS HIGH SCHOOL
LYNCHBURG PUBLIC SCHOOLS
LYNCHBURG, VIRGINIA

AV SYSTEM
RACK ELEVATIONS &
PLATE DETAILS

DATE ISSUED:	6/30/14
SCALE:	NTS
JOB. NO.	1323
DESIGNED:	TSG
DRAWN:	RC
CHECKED:	AJC
APPROVED:	AJC

DRAWING NO.
TS–103
4 OF 5
REVISION



REVISIONS:

TSG
DESIGN SOLUTIONS, INC
Theatre Consulting
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ADD ALTERNATE #3
AV SYSTEM
NEW VIDEO SYSTEM

DATE ISSUED:	6/30/14
SCALE:	NTS
JOB. NO.	1323
DESIGNED:	TSG
DRAWN:	RC
CHECKED:	AJC
APPROVED:	AJC

DRAWING NO.
TS-104
5 OF 5

REVISION