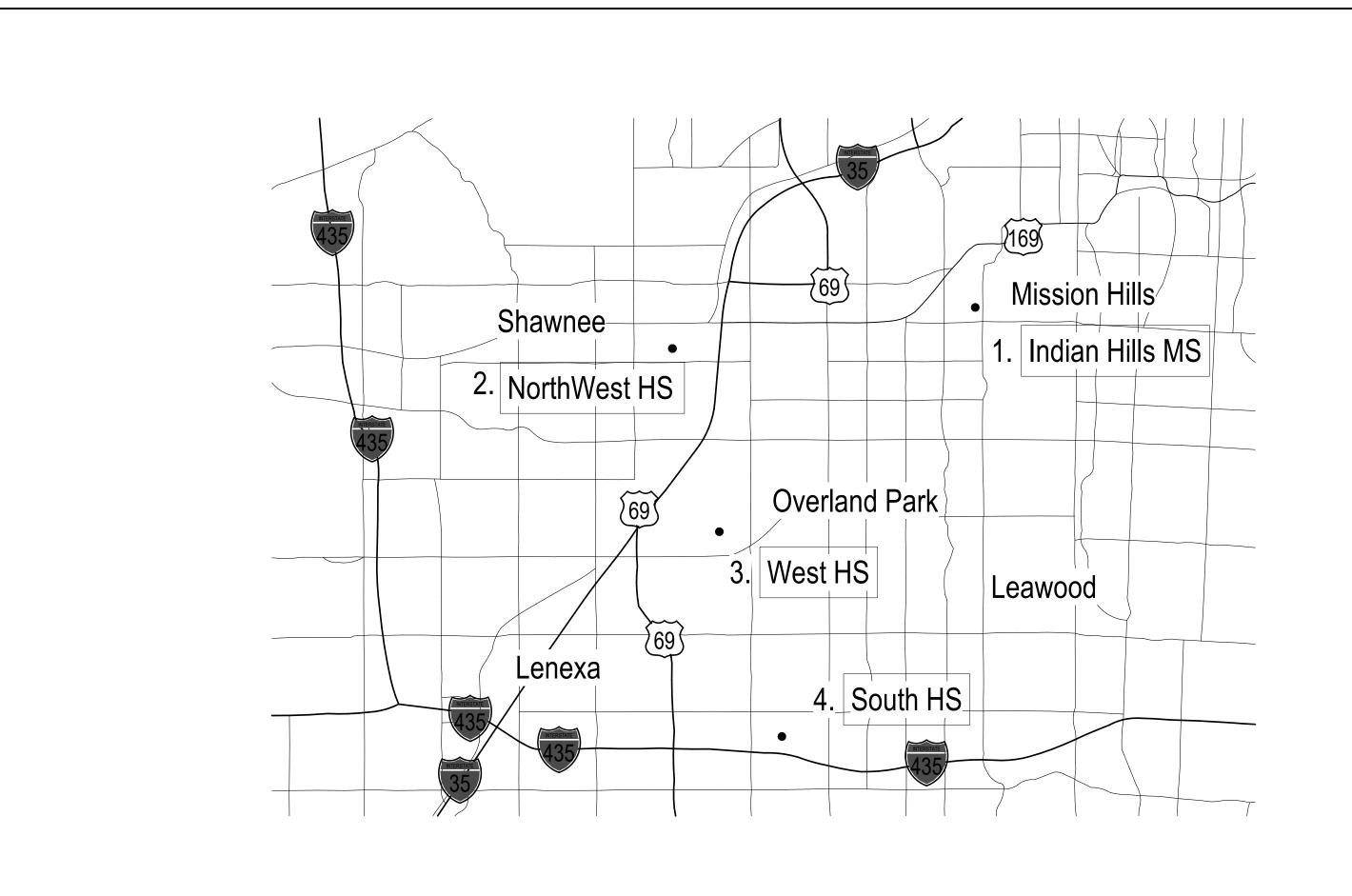
SHAWNEE MISSION USD LIGHTING UPGRADES 2021

Indian Hills MS, Northwest HS, West HS, South HS



- Indian Hills Middle School 6400 Mission Road Prairie Village, KS 66208
- 2. Northwest High School 12701 W. 67th St. Shawnee, KS 66216
- 3. West High School 8800 W. 85th St. Overland Park, KS 66212
- 4. South High School 5800 W. 107th St. Overland Park, KS 66207



THEATRICAL LIGHTING

NWHS-TH110 THEATRICAL LIGHTING AND CONTROL - RISER DIAGRAM
NWHS-TH111 THEATRICAL LIGHTING AND CONTROL - MAIN LEVEL DEVICES
NWHS-TH112 THEATRICAL LIGHTING AND CONTROL - MAIN LEVEL DEVICES
SHS-TH110 THEATRICAL LIGHTING AND CONTROL - RISER DIAGRAM
SHS-TH111 THEATRICAL LIGHTING AND CONTROL - MAIN LEVEL DEVICES
SHS-TH112 THEATRICAL LIGHTING AND CONTROL - MAIN LEVEL DEVICES
WHS-TH110 THEATRICAL LIGHTING AND CONTROL - RISER DIAGRAM
WHS-TH111 THEATRICAL LIGHTING AND CONTROL - MAIN LEVEL DEVICES
WHS-TH112 THEATRICAL LIGHTING AND CONTROL - MAIN LEVEL DEVICES
WHS-TH112 THEATRICAL LIGHTING AND CONTROL - MAIN LEVEL DEVICES

ARCHITECT HTK Architects, PA

PROJECT CONTACTS

Shawnee Mission School District

OWNER

6445 Carter Ave. Merriam, KS 66203

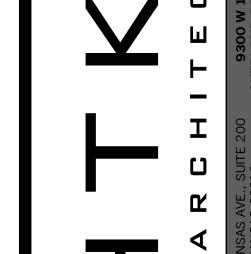
PROJECT CONTACT Michael Wood (913) 993-8500

9300 W. 110th St., Suite 150 Overland Park, KS 66210 PROJECT CONTACT Matt Patterson (913) 663-5373

THEATRICAL LIGHTING CONSULTANT

Peerbolte Creative

182 NM 361 Marrensburg, MO 64093 PROJECT CONTACT Carl Hutcherson (660) 429-1383





BID DOCUMENTS

DATE:

• 01/28/2019

REVISED DATE:

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GRADES 2020

MISSION USD
AL LIGHTING UPGRAD
Hills MS, Northwest HS, South HS, West HS

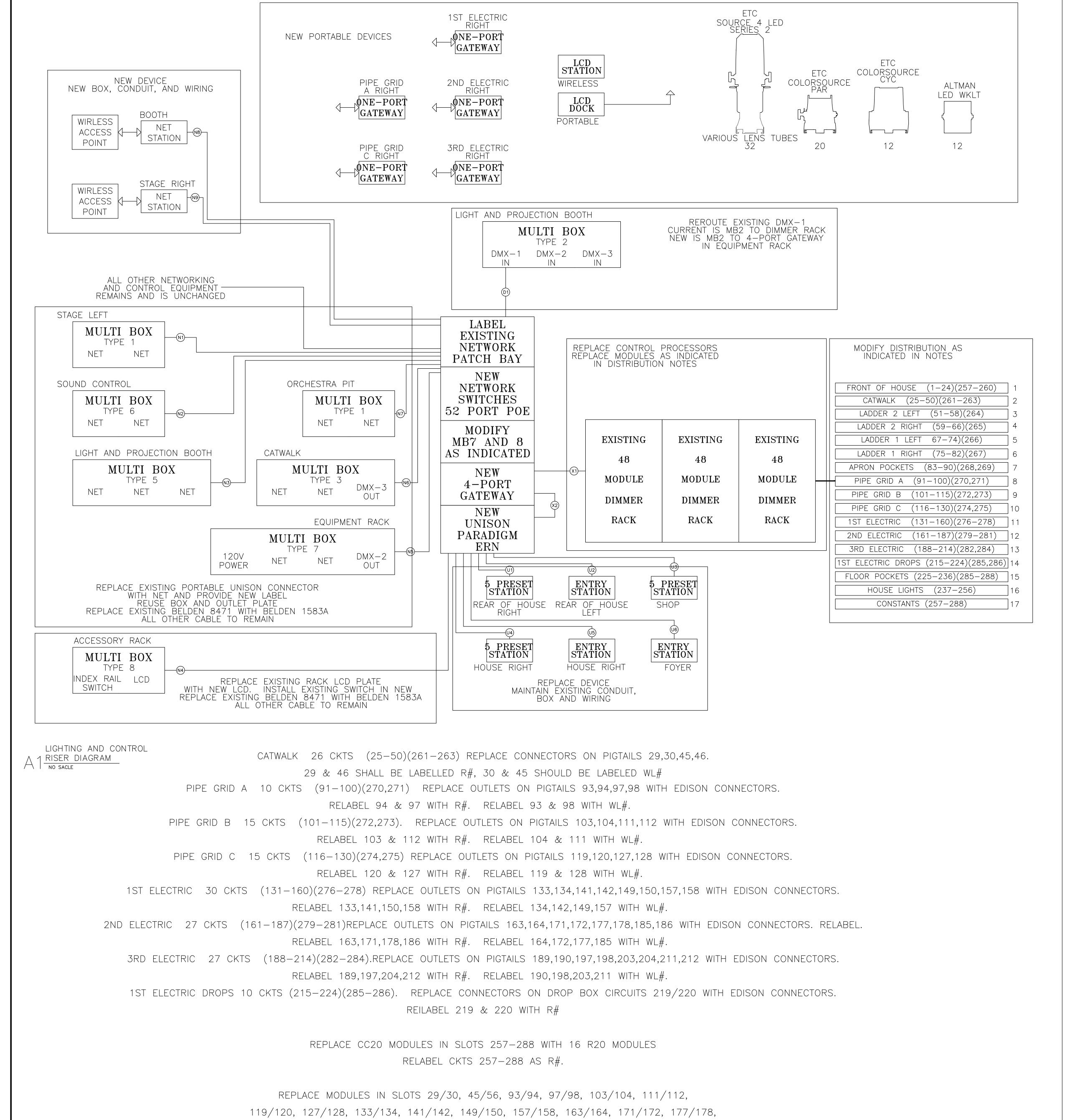
SHEET CONTENT

TITLE SHEET

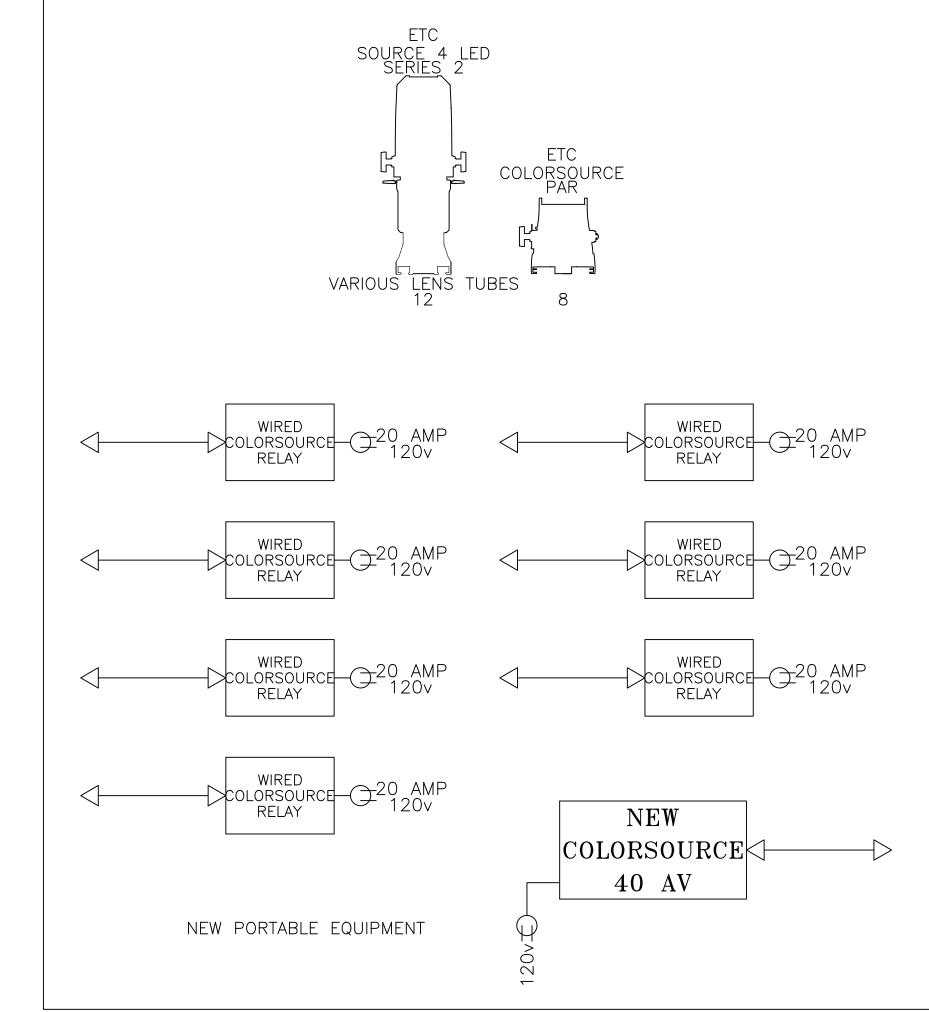
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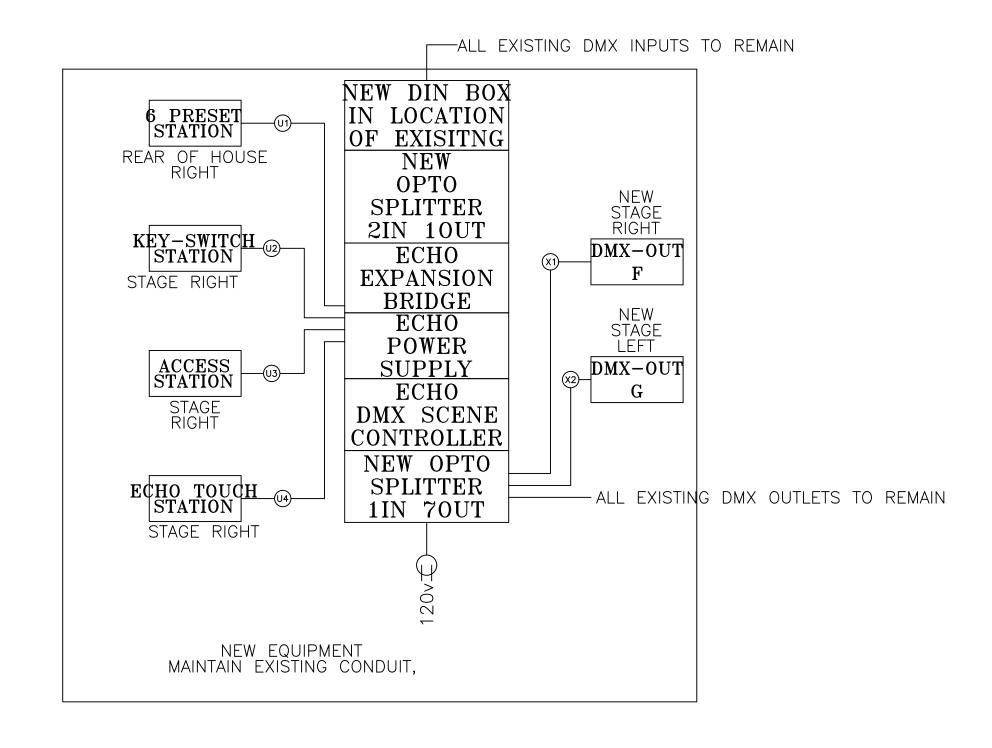
● 1707.05-004

HEET NUMBER:



185/186, 189/190, 197/198, 203/204, 211/212, 219/220 WITH R20 MODULES





LITTLE THEATRE

| RISER DIAGRAM | NO SACLE

PEERBOLTE CREATIVE STREET 109 E PINE STREET PO BOX 754 WARRENSBURG MO, 64093 PHONE (660)429-1383 FAX (660)429-3666 www.peerbolte.com

NOTE: STRUCTURAL AND ELECTRICAL DRAWINGS ARE FURNISHED BY PEERBOLTE CREATIVE FOR REFERENCE ONLY. PC IS NOT LICENSED TO PERFORM ANY ENGINEERING FOR STRUCTURAL OR ELECTRICAL POWER.

SHEET CONTENTS:

Theatrical Lighting and
Control Riser Diagram

A E

BID DOCUMENTS

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01/28/2021

REVISED DATE:

HTK PROJECT NUMBER: ● 1707.05-004

SHEET NUMBER:

NWHS-TH110

NEW DIN BOX IN LOCATION OF EXISTING OPTO SPLITTER

1 REPLACE EXISTING BUTTON STATION PREUSE EXISTING WIRING, CONDUIT AND

REPLACE UNISON CONNECTOR WITH NET JACK, INSTALL NEW CONNECTOR IN

REPLACE EXISTING MB8 RACK PLATE (LCD

REPLACE BELDEN 8471 FOR THE LCD WITH

REUSE EXISTING SWITCH IF POSSIBLE.

ARCHITECTURAL PROCESSOR AND UPS.

RELABEL EDISON OUTLETS AS INDICATED

(6)CONTAINS (1) BELDEN 1583A, (1) #16 AWG MOUNT 10'0" AFF, FOR WIRELESS ACCESS

CONTAINS (1) BELDEN 9729 FOR DMX OUT

8 REPLACE (4) STAGE PIN DUTLETS WITH EDISON DUTLETS. DUTLETS ARE ON PIGTAILS.

//EDISON OUTLETS, OUTLETS ARE ON PIGTAILS.

REPLACE (8) STAGE PIN DUTLETS WITH

AND LABEL EXISTING PATCH BAYS.

3/4" CONDUIT TO ACCESSORY RACK

PROVIDE NEW PATCH BAYS AS REQUIRED

EXISTING PLATE, AND INSTALL NEW LABEL. PULL NÉW BELDEN 1583A IN PLACE OF EXISTING BELDEN 8471.

JAND INDEX RAIL SWITCH)

NEW LCD PANEL REQUIRED.

EXISTING EQUIPMENT RACK √REPLACE NETWORK SWITCHES,

7 1/2" CONDUIT TO DIN BOX

MOUNT 2'0" AFF

LABEL AS INDICATED.

LABEL AS INDICATED.

BACK BOXES

BELDEN 1583A.

DIN BOX CONTAINS OPTO SPLITTER 2-IN, 1 OUT ECHO DMX SCENE CONTROLLER ECHO EXPANSION BRIDGE ECHO POWER SUPPLY

OPTO SPLITTER 1 IN 7 OUT EXISTING DIMMER RACKS
UPGRADE CONTROL MODULES TO NEW

CEM3 MODULES

13 1/2" CONDUIT TO DIN BOX
CONTAINS (1) BELDEN 8471, (1) #14 AWG INSTALL 3'9" AFF

14 1/2" CONDUIT TO DIN BOX CONTAINS (1) BELDEN 8471, (3) #14 AWG INSTALL 3'9" AFF

REMOVE ABANDONED TRACK LIGHTING
TRACKS AND SURFACE BOXES. PLACE
BLANK COVER PLATES ON EMPTY BOXES.
TOUCH UP PAINT AND STAIN AROUND AND UNDER REMOVED DEVICES.

GENERAL NOTES

COMBINE CONDUIT RUNS WHENEVER POSSIBLE.

ALL BACK BOX MOUNTED DEVICES ARE TO BE FLUSH MOUNT UNLESS NO OPTION

3 ALL WIRING TO BE RUN IN CONDUIT.

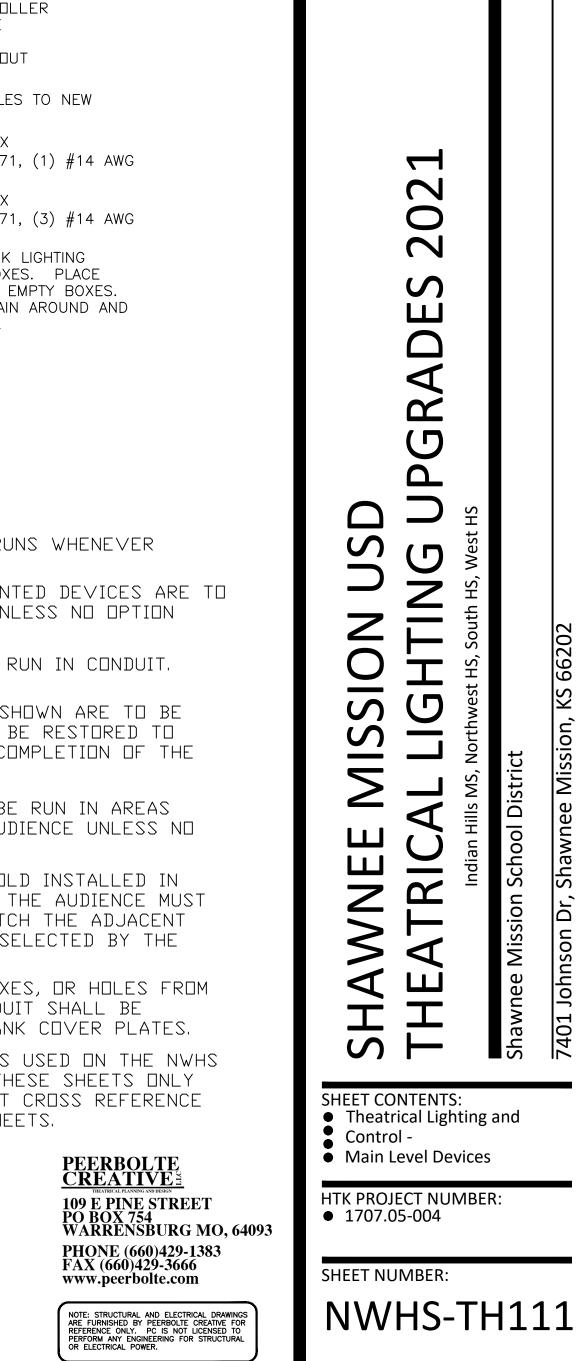
ALL DEVICES NOT SHOWN ARE TO BE 4 REMAIN AND SHALL BE RESTORED TO FUNCTION AT THE COMPLETION OF THE INSTALLATION.

CONDUIT MAY NOT BE RUN IN AREAS VISIBLE TO THE AUDIENCE UNLESS NO OPTION EXISTS..

CONDUIT OR WIREMOLD INSTALLED IN 6 AREAS VISIBLE TO THE AUDIENCE MUST BE PAINTED TO MATCH THE ADJACENT WALL IN A COLOR SELECTED BY THE

ANY ABANDONED BOXES, OR HOLES FROM REMOVEAL OF CONDUIT SHALL BE COVERED WITH BLANK COVER PLATES.

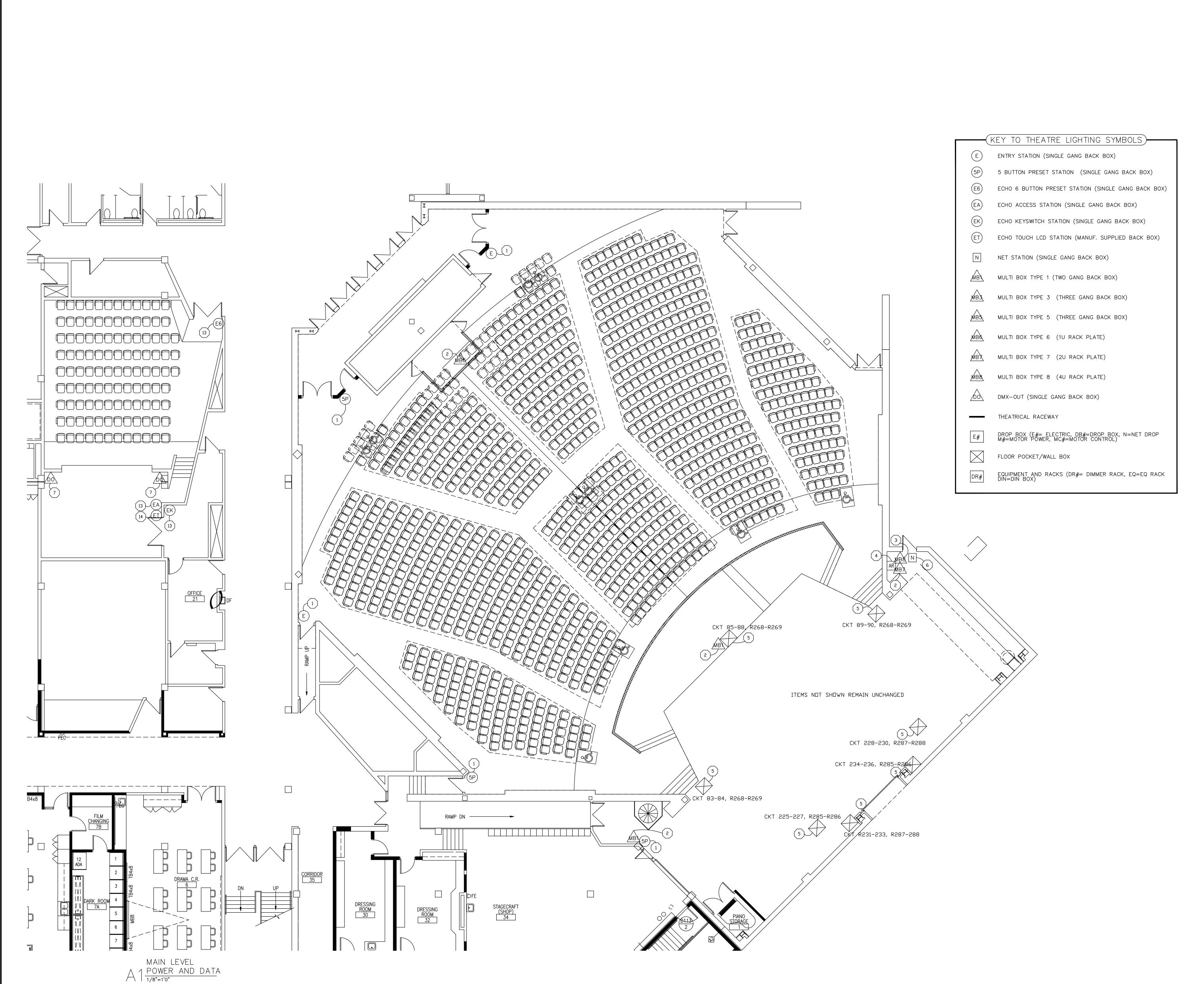
DEVICE IDENTIFIERS USED ON THE NWHS ARE SPECIFIC TO THESE SHEETS ONLY AND WILL WILL NOT CROSS REFERENCE BETWEEN OTHER SHEETS.



SHEET CONTENTS:

• Theatrical Lighting and Control
Main Level Devices HTK PROJECT NUMBER: 1707.05-004

SHEET NUMBER:



- REPLACE EXISTING BUTTON STATION 1 REUSE EXISTING WIRING, CONDUIT AND BACK BOXES
- REPLACE UNISON CONNECTOR WITH NET JACK. INSTALL NEW CONNECTOR IN EXISTING PLATE, AND INSTALL NEW LABEL. PULL NEW BELDEN 1583A IN PLACE OF EXISTING BELDEN 8471.
- REPLACE EXISTING MB8 RACK PLATE (LCD JAND INDEX RAIL SWITCH) NEW LCD PANEL REQUIRED. REUSE EXISTING SWITCH IF POSSIBLE. REPLACE BELDEN 8471 FOR THE LCD WITH BELDEN 1583A.
- EXISTING EQUIPMENT RACK 4 REPLACE NETWORK SWITCHES, ARCHITECTURAL PROCESSOR AND UPS. PROVIDE NEW PATCH BAYS AS REQUIRED AND LABEL EXISTING PATCH BAYS.
- FRELABEL EDISON OUTLETS AS INDICATED
- 3/4" CONDUIT TO ACCESSORY RACK ⁶ CONTAINS (1) BELDEN 1583A, (1) #16 AWG MOUNT 10'0" AFF, FOR WIRELESS ACCESS
- 7 1/2" CONDUIT TO DIN BOX / CONTAINS (1) BELDEN 9729 FOR DMX OUT MOUNT 2'0" AFF
- 8 REPLACE (4) STAGE PIN DUTLETS WITH EDISON DUTLETS, DUTLETS ARE ON PIGTAILS,
- LABEL AS INDICATED. 9 REPLACE (8) STAGE PIN DUTLETS WITH EDISON DUTLETS, DUTLETS ARE ON PIGTAILS. LABEL AS INDICATED.
- 10 ALTERNATE NW1 MOVE GRID IRON JUNCTION BOXES AND NET BOXES TO OFFSTAGE SIDE OF #5 LOFT BLOCK BEAM. MOVE CABLE CRADLE BLOCKS TO LOFT BEAM #6. REPLACE MULTI-CABLE SWAGS WITH NEW CABLE IN APPROPRIATE LENGTHS AND LET HANG TO REMOVE TWIST.
- RECONNECT TO EXISTING CABLE CRADLE AND PICK-UP. CABLE SHALL BE ADJUST TO PREVENT INTERFERENCE WITH ELECTRIC AND ADJACENT LINE SETS. NEW DIN BOX IN LOCATION OF EXISTING DPTO SPLITTER
- ECHO EXPANSION BRIDGE ECHO POWER SUPPLY OPTO SPLITTER 1 IN 7 OUT EXISTING DIMMER RACKS
 UPGRADE CONTROL MODULES TO NEW

OPTO SPLITTER 2-IN, 1 OUT

ECHO DMX SCENE CONTROLLER

DIN BOX CONTAINS

CEM3 MODULES

- 13 1/2" CONDUIT TO DIN BOX CONTAINS (1) BELDEN 8471, (1) #14 AWG INSTALL 3'9" AFF
- 1/2" CONDUIT TO DIN BOX 17 CONTAINS (1) BELDEN 8471, (3) #14 AWG INSTALL 3'9" AFF
- REMOVE ABANDONED TRACK LIGHTING TRACKS AND SURFACE BOXES. PLACE BLANK COVER PLATES ON EMPTY BOXES.
 TOUCH UP PAINT AND STAIN AROUND AND UNDER REMOVED DEVICES.

GENERAL NOTES

- COMBINE CONDUIT RUNS WHENEVER LI POSSIBLE.
- ALL BACK BOX MOUNTED DEVICES ARE TO BE FLUSH MOUNT UNLESS NO OPTION EXISTS.
- 3 ALL WIRING TO BE RUN IN CONDUIT.
- ALL DEVICES NOT SHOWN ARE TO BE REMAIN AND SHALL BE RESTORED TO FUNCTION AT THE COMPLETION OF THE INSTALLATION.
- 5 CONDUIT MAY NOT BE RUN IN AREAS VISIBLE TO THE AUDIENCE UNLESS NO OPTION EXISTS..
- CONDUIT OR WIREMOLD INSTALLED IN AREAS VISIBLE TO THE AUDIENCE MUST BE PAINTED TO MATCH THE ADJACENT WALL IN A COLOR SELECTED BY THE ARCHITECT.
- 7 ANY ABANDONED BOXES, OR HOLES FROM REMOVEAL OF CONDUIT SHALL BE COVERED WITH BLANK COVER PLATES.
- B DEVICE IDENTIFIERS USED ON THE NWHS ARE SPECIFIC TO THESE SHEETS ONLY AND WILL WILL NOT CROSS REFERENCE BETWEEN OTHER SHEETS.

PEERBOLTE CREATIVE 109 E PINE STREET PO BOX 754 WARRENSBURG MO, 64093 PHONE (660)429-1383 FAX (660)429-3666 www.peerbolte.com

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BID DOCUMENTS

01/28/2021

REVISED DATE:

SHEET CONTENTS:

Theatrical Lighting and Control -Upper Level Devices

A E

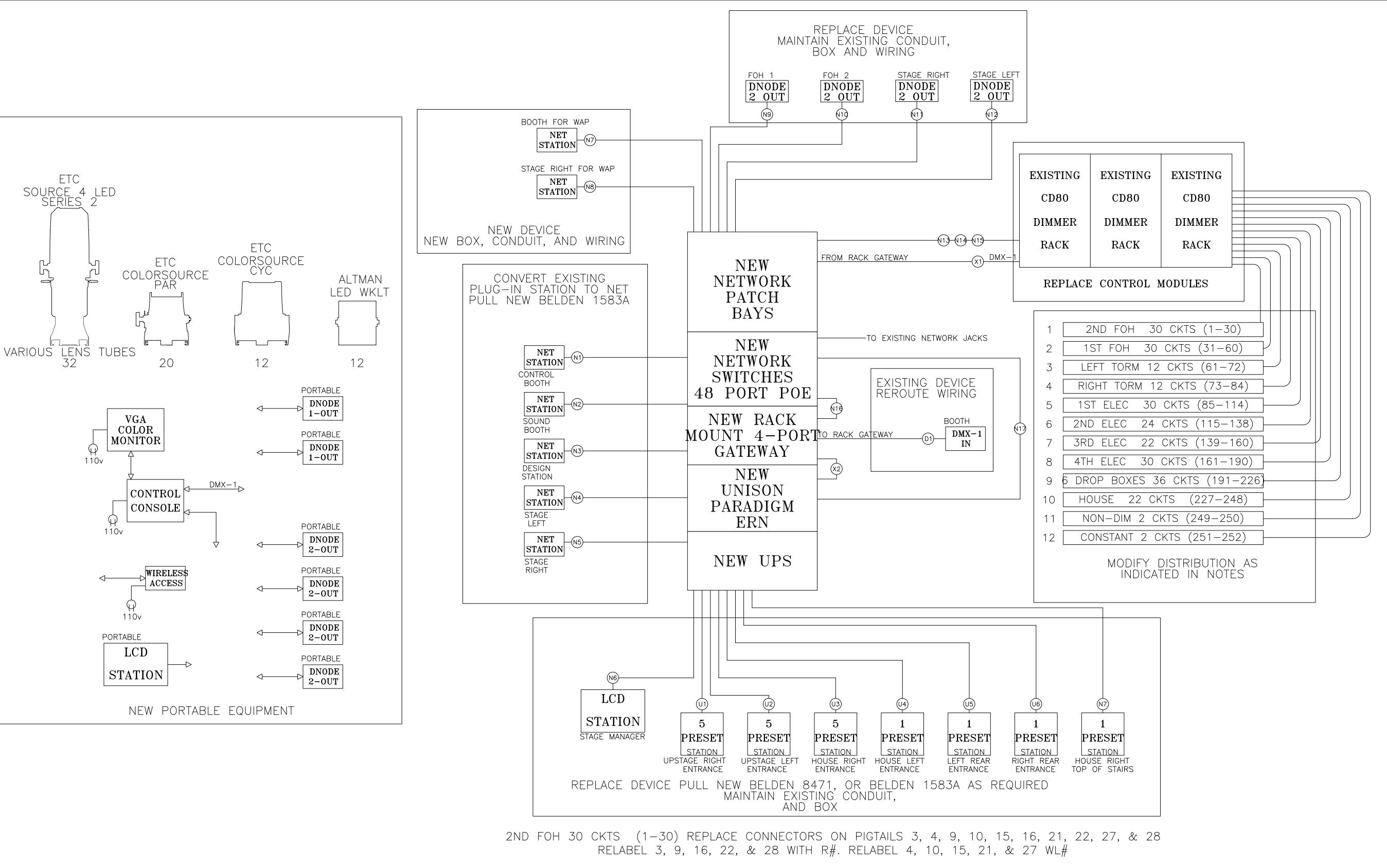
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HTK PROJECT NUMBER: ● 1707.05-004

SHEET NUMBER:

NWHS-TH112





1ST FOH 30 CKTS (31-60) REPLACE CONNECTORS ON PIGTAILS 33, 34, 39, 40, 45, 46, 51, 52, 57, & 58. RELABEL 33, 39, 46, 52, & 58 WITH R#. RELABEL 34, 40, 45, 51, & 57 WL#

> LEFT TORM 12 CKTS (61-72) RELABEL CIRCUITS 71, 72 AS R71 AND R72 RIGHT TORM 12 CKTS (73-84) RELABEL CIRCUITS 83, 84 AS R83 AND R84

LIGHTING AND CONTROL $A1\frac{RISER\ DIAGRAM}{NO\ SACLE}$

1ST ELECTRIC 30 CKTS (85-114) REPLACE OUTLETS ON PIGTAILS 85, 86, 91, 92, 99, 100, 107, 108, 113, & 114 WITH EDISON CONNECTORS. RELABEL 85, 91, 99, 108, & 114 WITH R#. RECIRCUIT AND RELABEL 86, 82, 100, 107, & 113 WITH WL#.

2ND ELECTRIC 24 CKTS (115-138) REPLACE OUTLETS ON PIGTAILS 117, 118, 123, 124, 129, 130, 135, & 136 WITH EDISON CONNECTORS. RELABEL 117, 123, 130, & 136 WITH R#. RECIRCUIT AND RELABEL 118, 124, 129, & 135 WITH WL#.

3RD ELECTRIC 22 CKTS (139—160). REPLACE OUTLETS ON PIGTAILS 139, 140, 145, 146, 153, 154, 159, & 160 WITH EDISON CONNECTORS. RELABEL 139, 145, 154, & 160 WITH R#. RELABEL 140, 146, 153, & 159 WITH WL#.

4TH ELECTRIC 30 CKTS (161-190) REPLACE OUTLETS ON PIGTAILS 163, 164, 169, 170, 175, 176, 181, 182, 187, & 188 WITH EDISON CONNECTORS. RELABEL 163, 169, 175, 182, & 188 WITH R#. RELABEL 164, 170, 176, 181, & 187 WITH WL#.

1ST ELECTRIC DROPS 12 CKTS (191-196)(197-202). REPLACE CONNECTORS ON DROP BOX CIRCUITS 195, 196, 201, & 202 WITH EDISON CONNECTORS. RELABEL 195, 196, 201, & 202 WITH R#

2ND ELECTRIC DROPS 12 CKTS (203-208)(209-214). REPLACE CONNECTORS ON DROP BOX CIRCUITS 207, 208, 213, & 214 WITH EDISON CONNECTORS. RELABEL 207, 208, 213, & 214 WITH R#

4TH ELECTRIC DROPS 12 CKTS (215-220)(221-226). REPLACE CONNECTORS ON DROP BOX CIRCUITS 219, 220, 225, & 226 WITH EDISON CONNECTORS. RELABEL 219, 220, 225, & 226 WITH R#

EXISITNG FLUSH MOUNT EDISON CONNECTORS ON ALL DISTRICUTION STRIPS ARE CURRENTLY LABELED WL# AND SHALL BE RELABELED TO C#. EACH C# CKT IS REPEATED ONE TIME.

REPLACE MODULES IN SLOTS 3/4, 9/10, 15/16, 21/22, 27/28, 33/34, 39/40, 45/46, 51/52, 57/58, 85/86, 91/92, 99/100, 107/108, 113,114, 117/118, 123,124, 129/130, 135/136, 139/140, 163/164, 169/170, 175/176, 181/182, 187/188, 195/196, 201/202, 207/208, 213/214, 219/220, 225/226 WITH R20 MODULES

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HTK PROJECT NUMBER: ● 1707.05-004

SHEET NUMBER: SHS-TH110

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SHEET CONTENTS:

• Theatrical Lighting and

Control Riser Diagram

BID DOCUMENTS

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01/28/2021

REVISED DATE:

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SHEET CONTENTS:

• Theatrical Lighting and
• Control • Main Level Devices

HTK PROJECT NUMBER: ● 1707.05-004

(4) STAGE PIN CONNECTORS ON DROP BOXES WITH EDISON. ALL CONNECTORS ARE ON PIGTAILS.

/WITH EDISÒN CONNECTORS. ALL CONNECTORS ARE ON PIGTAILS.

TORM PIPE. (4) ADAPTERS TOTAL.

EXISTING WIRING

REPLACE ALL COMPONENTS IN EXISTING EQUIPMENT RACK. RECONNECT ALL EXISTING NETWORK LINES. ADD NEW NETWORKING AND REROUTE WIRING AS REQUIRED.

GENERAL NOTES

3 ALL WIRING TO BE RUN IN CONDUIT.

ALL DEVICES NOT SHOWN ARE TO REMAIN AND SHALL BE RESTORED TO FUNCTION AT THE COMPLETION OF THE INSTALLATION.

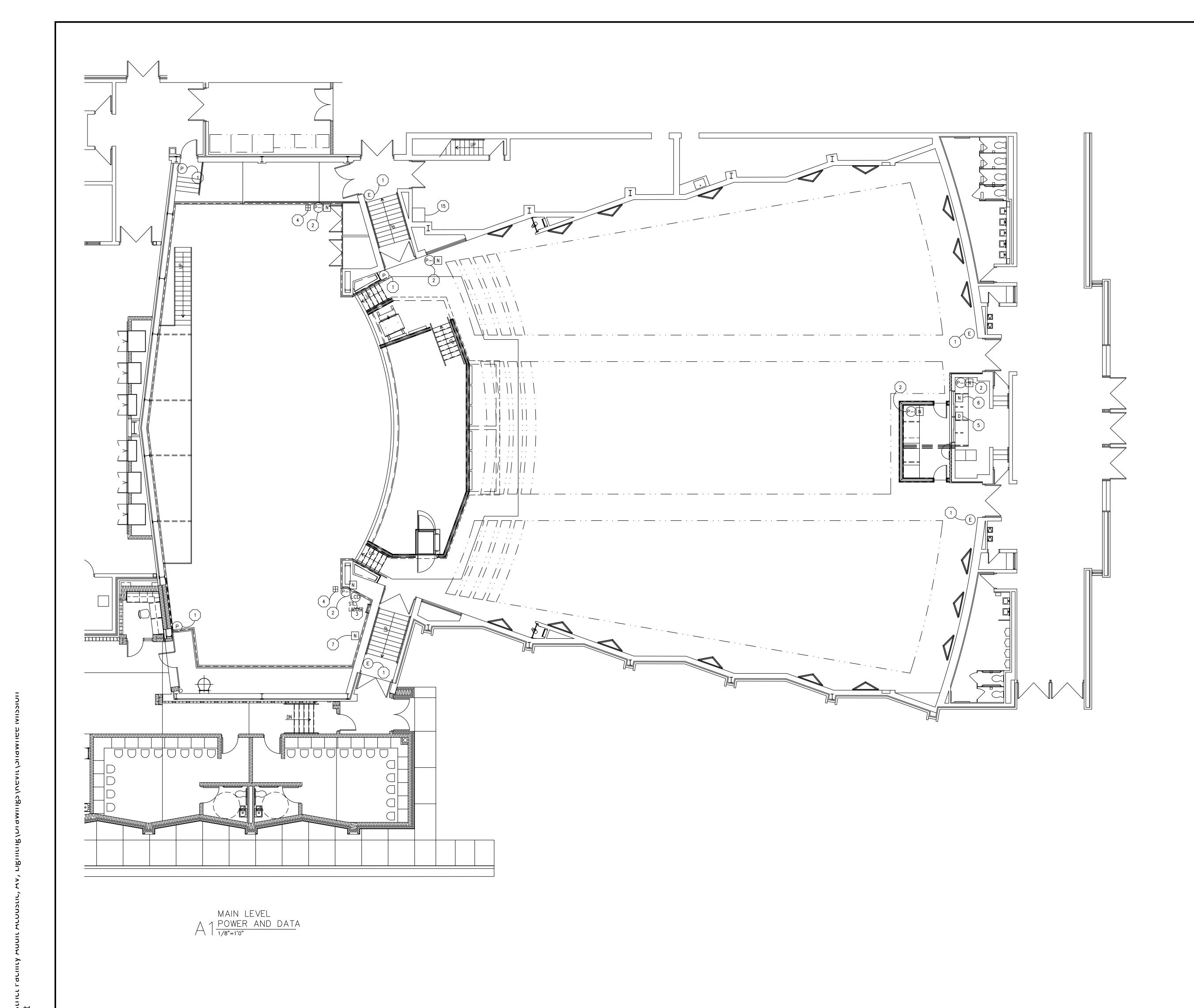
OPTION EXISTS..

SELECTED BY THE ARCHITECT.

ANY ABANDONED BOXES, OR HOLES FROM REMOVEAL OF CONDUIT SHALL BE COVERED

PEERBOLTE CREATIVE 109 E PINE STREET PO BOX 754 WARRENSBURG MO, 64093 PHONE (660)429-1383 FAX (660)429-3666 www.peerbolte.com

SHEET NUMBER: SHS-TH111



5 BUTTON PRESET STATION (SINGLE GANG BACK BOX) LCD PLUG-IN STATION (SINGLE GANG BACK BOX) NET STATION (SINGLE GANG BACK BOX)

2-PORT GATEWAY (MANUFACTURER SUPPLIED BACK BOX)

(KEY TO THEATRE LIGHTING SYMBOLS)

ENTRY STATION (SINGLE GANG BACK BOX)

DMX STATION (SINGLE GANG BACK BOX)

THEATRICAL RACEWAY

EQUIPMENT AND RACKS (DR#= DIMMER RACK, EQ=EQ RACK DIN=DIN BOX)

REPLACE EXISTING ARCHITECTURAL PRESET STATION REMOVE EXISTIG WIRE

PULL NEW (1) BELDEN 8471, (1) #14 AWG REMOVE EXISTING ARCHITECTURAL PLUG-IN STATION

REMOVE EXISTING WIRE PULL NEW (1) BELDEN 1583A, (1) #14 AWG

REPLACE EXISTING LCD CONTROL STATION REMOVE EXISTING WIRING PULL NEW BELDEN 1583A (1) #14 AWG

4 REMOVE EXISTING NETWORK GATEWAY INSTALL NEW 2-PORT GATEWAY USING EXISTING WIRING.

REROUTE EXISTING DMX DURRENT PATH IS BOOTH TO DIMMER RACK NEW PATH IS BOOTH TO GATEWAY IN EQUIPMENT RACK, TO DIMMER RACK NEW NETWORK JACK

6 CONDUIT TO EQUIPMENT RACK CONTAINS (1) BELDEN 1583A, (1) #14 AWG MOUNT 8'0" AFF FOR WAP NEW NETWORK JACK

CONDUIT TO EQUIPMENT RACK CONTAINS (1) BELDEN 1583A, (1) #14 AWG MOUNT 10'0" AFF FOR WAP

REPLACE (10) STAGE PIN CONNECTORS WITH EDISON CONNECTORS. CONNETORS ARE ON PIGTAILS. RELABEL AS INDICATED

9 REPLACE (10) STAGE PIN CONNECTORS WITH EDISON CONNECTORS. REPLACE (4) STAGE PIN CONNECTORS ON DROP BOXES WITH EDISON. ALL CONNECTORS ARE ON PIGTAILS. RELABEL AS INDICATED

REPLACE (8) STAGE PIN CONNECTORS WITH EDISON CONNECTORS. REPLACE

RELABEL AS INDICATED REPLACE (8) STAGE PIN CONNECTORS

RELABEL AS INDICATED RELABEL AS INDICATED. PROVIDE (2) STAGE PIN TO EDISON ADAPTER. PÈR

REPLACE EXISTING NETWORK DEVICE

WITH NEW 2-PORT GATEWAY. REUSE

REPLACE CONTROL MODULES IN ALL

(14) DIMMER RACKS.

COMBINE CONDUIT RUNS WHENEVER POSSIBLE.

ALL BACK BOX MOUNTED DEVICES ARE TO BE FLUSH MOUNT UNLESS NO OPTION EXISTS.

5 CONDUIT MAY NOT BE RUN IN AREAS VISIBLE TO THE AUDIENCE UNLESS NO

6 CONDUIT OR WIREMOLD INSTALLED IN AREAS VISIBLE TO THE AUDIENCE MUST BE PAINTED TO MATCH THE ADJACENT WALL IN A COLOR

WITH BLANK COVER PLATES.

8 DEVICE IDENTIFIERS USED ON THE SHS PROJECT ARE UNIQUE TO THESE SHEETS AND WILL NOT CROSS REFERENCE BETWEEN OTHER SHEETS.

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SHEET CONTENTS:

• Theatrical Lighting and
• Control • Upper Level Devices

HTK PROJECT NUMBER: ● 1707.05-004

/WITH EDISON CONNECTORS. REPLACE ARE ON PIGTAILS.

RELABEL AS INDICATED REPLACE (8) STAGE PIN CONNECTORS WITH EDISON CONNECTORS. REPLACE (4) STAGE PIN CONNECTORS ON DROP

BOXES WITH EDISON. ALL CONNECTORS ARE ON PIGTAILS. RELABEL AS INDICATED REPLACE (8) STAGE PIN CONNECTORS

RELABEL AS INDICATED 12 RELABEL AS INDICATED. PROVIDE (2)

TORM PIPE. (4) ADAPTERS TOTAL.

REPLACE EXISTING NETWORK DEVICE WITH NEW 2-PORT GATEWAY. REUSE

REPLACE CONTROL MODULES IN ALL

REPLACE ALL COMPONENTS IN EXISTING PEQUIPMENT RACK. RECONNECT ALL EXISTING NETWORK LINES. ADD NEW NETWORKING AND REROUTE WIRING AS REQUIRED.

GENERAL NOTES

POSSIBLE.

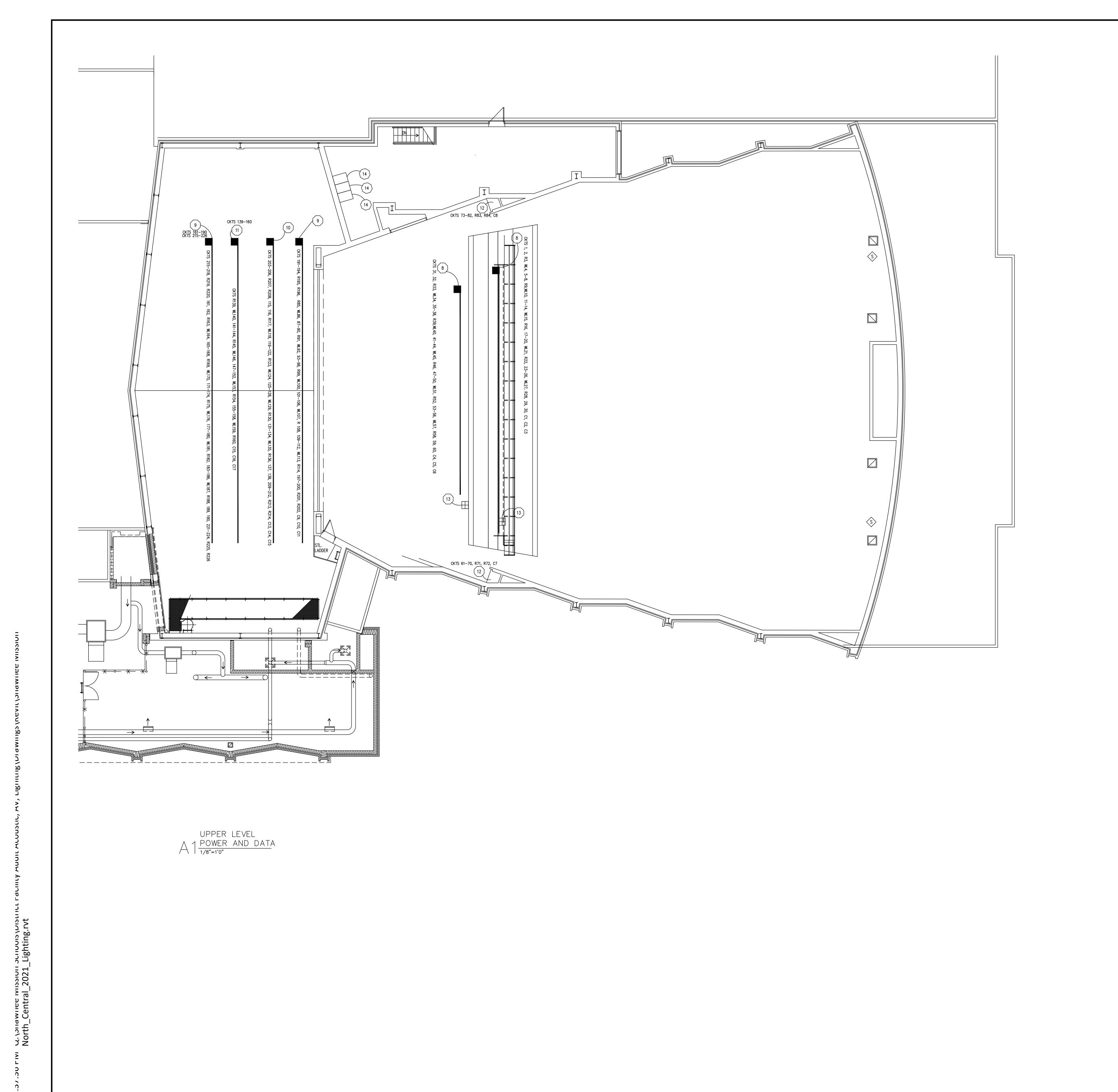
OPTION EXISTS..

SELECTED BY THE ARCHITECT.

WITH BLANK COVER PLATES.

PEERBOLTE CREATIVE 109 E PINE STREET PO BOX 754 WARRENSBURG MO, 64093 PHONE (660)429-1383 FAX (660)429-3666 www.peerbolte.com

SHEET NUMBER: SHS-TH112



2-PORT GATEWAY (MANUFACTURER SUPPLIED BACK BOX) DMX STATION (SINGLE GANG BACK BOX)

REPLACE EXISTING ARCHITECTURAL PRESET STATION REMOVE EXISTIG WIRE

EQUIPMENT AND RACKS (DR#= DIMMER RACK, EQ=EQ RACK DIN=DIN BOX)

(KEY TO THEATRE LIGHTING SYMBOLS)

LCD PLUG-IN STATION (SINGLE GANG BACK BOX)

5 BUTTON PRESET STATION (SINGLE GANG BACK BOX)

ENTRY STATION (SINGLE GANG BACK BOX)

NET STATION (SINGLE GANG BACK BOX)

THEATRICAL RACEWAY

PULL NEW (1) BELDEN 8471, (1) #14 AWG REMOVE EXISTING ARCHITECTURAL PLUG-IN STATION REMOVE EXISTING WIRE

PULL NEW (1) BELDEN 1583A, (1) #14 AWG REPLACE EXISTING LCD CONTROL STATION REMOVE EXISTING WIRING

PULL NEW BELDEN 1583A (1) #14 AWG 4 REMOVE EXISTING NETWORK GATEWAY INSTALL NEW 2-PORT GATEWAY USING EXISTING WIRING.

REROUTE EXISTING DMX CURRENT PATH IS BOOTH TO DIMMER RACK NEW PATH IS BOOTH TO GATEWAY IN EQUIPMENT RACK, TO DIMMER RACK

NEW NETWORK JACK 6 CONDUIT TO EQUIPMENT RACK CONTAINS (1) BELDEN 1583A, (1) #14 AWG MOUNT 8'0" AFF FOR WAP

NEW NETWORK JACK CONDUIT TO EQUIPMENT RACK CONTAINS (1) BELDEN 1583A, (1) #14 AWG MOUNT 10'0" AFF FOR WAP

WITH EDISON CONNECTORS. CONNETORS ARE ON PIGTAILS. RELABEL AS INDICATED 9 REPLACE (10) STAGE PIN CONNECTORS

(4) STAGE PIN CONNECTORS ON DROP BOXES WITH EDISON. ALL CONNECTORS

/WITH EDISÒN CONNECTORS. ALL CONNECTORS ARE ON PIGTAILS.

STAGE PIN TO EDISON ADAPTER. PER

EXISTING WIRING

(14) DIMMER RACKS.

COMBINE CONDUIT RUNS WHENEVER

ALL BACK BOX MOUNTED DEVICES ARE TO BE FLUSH MOUNT UNLESS NO OPTION EXISTS.

3 ALL WIRING TO BE RUN IN CONDUIT.

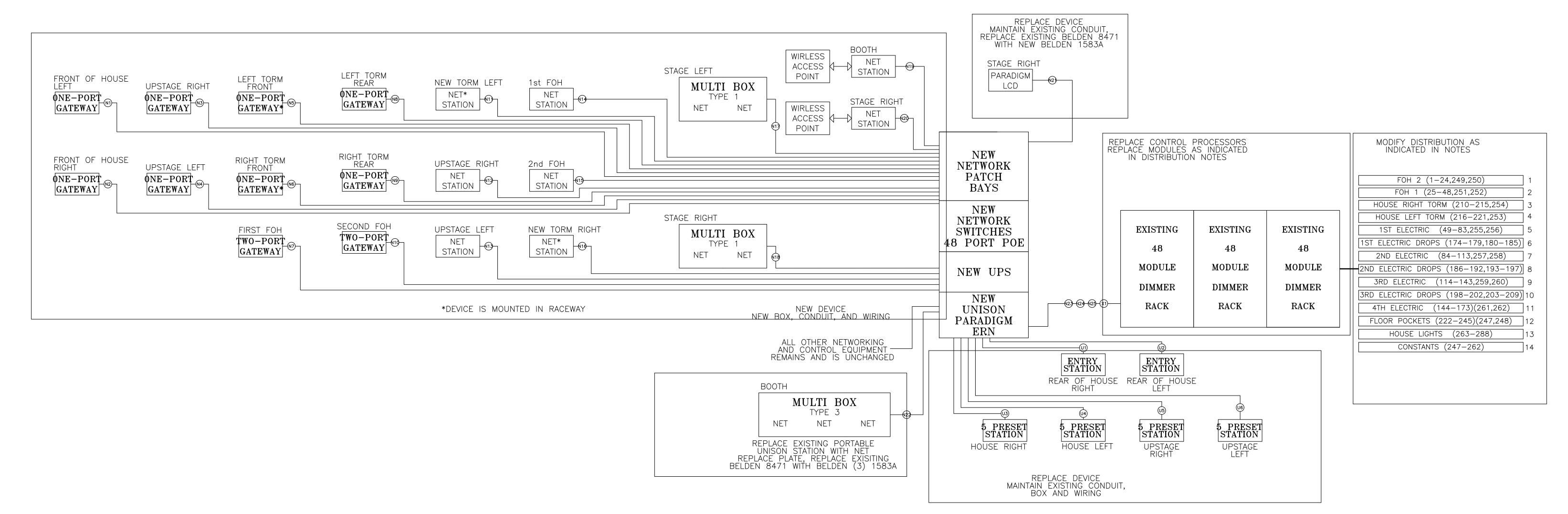
ALL DEVICES NOT SHOWN ARE TO REMAIN AND SHALL BE RESTORED TO FUNCTION AT THE COMPLETION OF THE INSTALLATION.

5 CONDUIT MAY NOT BE RUN IN AREAS VISIBLE TO THE AUDIENCE UNLESS NO

6 CONDUIT OR WIREMOLD INSTALLED IN AREAS VISIBLE TO THE AUDIENCE MUST BE PAINTED TO MATCH THE ADJACENT WALL IN A COLOR

ANY ABANDONED BOXES, OR HOLES FROM REMOVEAL OF CONDUIT SHALL BE COVERED

8 DEVICE IDENTIFIERS USED ON THE SHS PROJECT ARE UNIQUE TO THESE SHEETS AND WILL NOT CROSS REFERENCE BETWEEN OTHER SHEETS.



CATWALK 2 26 CKTS (1-24)(249,250) REPLACE CONNECTORS ON PIGTAILS 3,4,9,10,15,16,21,22. RELABEL 3, 9, 16, & 22 WITH R#. RELABEL 4, 10, 15, & 21 WL#

CATWALK 1 26 CKTS (25-48)(251-252) REPLACE CONNECTORS ON PIGTAILS 27, 28, 33, 34, 39, 40, 45, & 46.

RELABEL 27, 33, 40, & 46 WITH R#. RELABEL 28, 34, 39, & 45 WITH WL#

HOUSE RIGHT TORM 7 CKTS (210-215)(254) REPLACE OUTLETS ON PIGTAILS 216,218, & 220 WITH EDISON CONNECTORS.

RELABEL 210 TO R242, 211 TO 210, 212 TO R254, 213 TO 211, 214 TO R242, 215 TO 212, & 254 TO R254

HOUSE LEFT TORM 7 CKTS (216-221)(253). REPLACE OUTLETS ON PIGTAILS 210, 212, & 214 WITH EDISON CONNECTORS.

RELABEL 216 TO R241, 217 TO 216, 218 TO R253, 219 TO 218, 220 TO R241, 221 TO 218, & 253 TO R253

NEW HOUSE RIGHT TORM CKTS R245, 213, R246, 214, R245, 215, & R246 NEW HOUSE LEFT TORM CKTS R243, 219, R244, 220, R243, 221, & R244

1ST ELECTRIC 38 CKTS (49-83)(255,256) REPLACE OUTLETS ON PIGTAILS 51,52,61,62,69,70,79, & 80 WITH EDISON CONNECTORS.

RELABEL 51, 61, 70, & 80 WITH R#. RECIRCUIT AND RELABEL 52, 62, 69, & 79 WITH WL#. 2ND ELECTRIC 32 CKTS (84-113)(257,258)REPLACE OUTLETS ON PIGTAILS 85, 86, 95, 96, 101, 102, 111, & 112 WITH EDISON CONNECTORS.

RELABEL 85, 95, 102, & 112 WITH R#. RELABEL 86, 96, 101, & 111 WITH WL#. 3RD ELECTRIC 32 CKTS (114-143)(259,260).REPLACE OUTLETS ON PIGTAILS 115, 116, 125, 126, 131, 132, 141, & 142 WITH EDISON CONNECTORS. RELABEL 115, 125, 132, & 142 WITH R#. RELABEL 116, 126, 131, & 141 WITH WL#.

4TH ELECTRIC 32 CKTS (144-173)(261,262).REPLACE OUTLETS ON PIGTAILS 145, 146, 155, 156, 161, 162, 171, & 172 WITH EDISON CONNECTORS. RELABEL 145, 155, 162, & 172 WITH R#. RELABEL 146, 156, 161, & 171 WITH WL#.

1ST ELECTRIC DROPS 12 CKTS (174-179)(180-185). REPLACE CONNECTORS ON DROP BOX CIRCUITS 179 & 180 WITH EDISON CONNECTORS.

REILABEL 179 & 180 WITH R#

LIGHTING AND CONTROL

A 1 RISER DIAGRAM
NO SACLE

2ND ELECTRIC DROPS 12 CKTS (186-191)(192-197). REPLACE CONNECTORS ON DROP BOX CIRCUITS 191 & 192 WITH EDISON CONNECTORS. REILABEL 191 & 192 WITH R#

3RD ELECTRIC DROPS 12 CKTS (198-203)(204-209). REPLACE CONNECTORS ON DROP BOX CIRCUITS 203 & 204 WITH EDISON CONNECTORS.

REILABEL 203 & 204 WITH R#

FLOOR POCKETS 26 CKTS (222-245)(247,248)

REPLACE FLOOR POCKET OUTLET PLATES AS INDICATED

REPLACE CC20 MODULES IN SLOTS 247-262 WITH 16 R20 MODULES RELABEL CKTS 247-262 AS R#.

REPLACE MODULES IN SLOTS 3/4, 9/10, 15/16, 21/22, 27/28, 33/34, 39/40, 45/46, 51/52, 61/62, 69/70, 79/80, 85/86, 95/96, 101/102, 111/112, 115/116, 125/125, 131/132, 141/142, 145/146, 155/156, 161/162, 171/172, 179/180, 191/192, 203/204, 233/234, 235/236, 237/238, 239/240, 241/243, 243/244, 245/246 WITH R20 MODULES

LAND CIRCUITS 210-254 IN NEW OUTLETS AS INIDICATED

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SHEET CONTENTS: Theatrical Lighting and Control
Lower Level Devices

HTK PROJECT NUMBER: 1707.05-004

PEERBOLTE CREATIVE

PHONE (660)429-1383 FAX (660)429-3666 www.peerbolte.com

109 E PINE STREET PO BOX 754 WARRENSBURG MO, 64093

SHEET NUMBER: WHS-TH110

MAIN LEVEL A 1 POWER AND DATA 1/8"=1'0"

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 $extstyle{ o}$ key to theatre lighting symbols)

ENTRY STATION (SINGLE GANG BACK BOX)

5 BUTTON PRESET STATION (SINGLE GANG BACK BOX)

LCD STATION (MANUFACTURER SUPPLIED BACK BOX)

1-PORT GATEWAY (MANUFACTURER SUPPLIED BACK BOX)

2-PORT GATEWAY (MANUFACTURER SUPPLIED BACK BOX)

NET STATION (SINGLE GANG BACK BOX)

MULTI BOX TYPE 1 (TWO GANG BACK BOX)

MULTI BOX TYPE 3 (THREE GANG BACK BOX)

THEATRICAL RACEWAY

FLOOR POCKET/WALL BOX

REPLACE EXISTING BUTTON STATION 1 REUSE EXISTING WIRING, CONDUIT AND BACK BOXES

REMOVE UNIOSN CONNECTOR AND BACK BOX. REPLACE WITH NEW MB3 3-GANG BACK BOX. REPLACE EXISTING BELDEN 8471 CABLE WITH (3) BELDEN 1583A

REPLACE EXISTING LCD WITH NEW LCD REPLACE BELDEN 8471 WITH BELDEN

NEW CONDUIT TO EQUIPMENT RACK CONTAINS (1) BELDEN 1583A, (1) #14 AWG MOUNT 8'0" AFF

5 NEW CONDUIT TO EQUIPMENT RACK 5 CONTAINS (1) BELDEN 1583A, (1) #14 AWG MOUNT 10'0" AFF

NEW 1/2" CONDUIT TO ACCESSORY RACK $\sqrt{6}$ CONTAINS (2) BELDEN 1583A, (1) #14 AWG MOUNT 2'0" AFF 1/2" CONDUIT TO EQUIPMENT RACK

CONTAINS (1) BELDEN 1583A, (1) #14 AWG MOUNT 2'0" AFF

8 REPLACE DUTLET PLATES IN FLOOR POCKETS AS INDICATED. REUSE EXISTING WIRING AND COVER PLATES. 9 CONDUIT TO DIMMER RACKS
CONTAINS (5) 20 AMP CKTS

10 WIRES + GND 1/2" CONDUIT TO EQUIPMENT RACK CONTAINS (2) BELDEN 1583A (1) #14 AWG MOUT TO WALL ADJACENT TO EXISTING TORM

10 1/2" CONDUIT TO EQUIPMENT RACK CONTAINS (1) BELDEN 1583A, (1) #14 AWG MOUNT TO WALL ADJACENT TO EXISTING TORM DISTRIBUTION.

1/2" CONDUIT TO EQUIPMENT RACK 11 CONTAINS (1) BELDEN 1583A, (1) #14 AWG MOUNT TO PIPE AT END OF DISTRIBUTION

REPLACE (8) STAGE PIN DUTLETS WITH EDISON DUTLETS. DUTLETS ARE ON PIGTAILS. LABEL AS INDICATED.

REPLACE (3) STAGE PIN DUTLETS WITH EDISON DUTLETS. DUTLETS ARE ON PIGTAILS. CIRCUIT AND LABEL AS INDICATED.

3 EXISTING SENSOR+ DIMMER RACKS
UPGRADE CONTROL MODULES TO NEW
CEM3 MODULES

EXISTING EQUIPMENT RACK REPLACE NETWORK SWITCHES, PATCH BAYS, ARCHITECTURAL PROCESSOR, AND UPS. LABEL ALL PATCH BAYS. ALL EXISTING COMPONENTS SHALL BE RECONNECTED, UNLESS SPECIFICALLY CALLED OUT TO BE REPLACED.

GENERAL NOTES

COMBINE CONDUIT RUNS WHENEVER

POSSIBLE.

2 ALL BACK BOX MOUNTED DEVICES ARE TO BE FLUSH MOUNT UNLESS NO OPTION EXISTS.

3 ALL WIRING TO BE RUN IN CONDUIT.

ALL DEVICES NOT SHOWN ARE TO REMAIN AND SHALL BE RESTORED TO FUNCTION AT THE COMPLETION OF THE INSTALLATION.

5 CONDUIT MAY NOT BE RUN IN AREAS VISIBLE TO THE AUDIENCE UNLESS NO OPTION EXISTS..

6 CONDUIT OR WIREMOLD INSTALLED IN AREAS VISIBLE TO THE AUDIENCE MUST BE PAINTED TO MATCH THE ADJACENT WALL IN A COLOR SELECTED BY THE ARCHITECT.

ANY ABANDONED BOXES, OR HOLES FROM REMOVEAL OF CONDUIT SHALL BE COVERED WITH BLANK COVER PLATES.

B DEVICE IDENTIFIERS USED ON THE WHS PROJECT ARE UNIQUE TO THESE SHEETS AND WILL NOT CROSS REFERENCE BETWEEN OTHER SHEETS.

> PEERBOLTE CREATIVE 109 E PINE STREET PO BOX 754 WARRENSBURG MO, 64093 PHONE (660)429-1383 FAX (660)429-3666 www.peerbolte.com

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SHEET CONTENTS: • Theatrical Lighting and Control -Main Level Devices

HTK PROJECT NUMBER: ● 1707.05-004

SHEET NUMBER:

WHS-TH111

MAIN LEVEL 1 POWER AND DATA 1/8"=1'0"

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 $extstyle{ o}$ key to theatre lighting symbols)

ENTRY STATION (SINGLE GANG BACK BOX)

5 BUTTON PRESET STATION (SINGLE GANG BACK BOX)

LCD STATION (MANUFACTURER SUPPLIED BACK BOX)

1-PORT GATEWAY (MANUFACTURER SUPPLIED BACK BOX)

2-PORT GATEWAY (MANUFACTURER SUPPLIED BACK BOX)

NET STATION (SINGLE GANG BACK BOX)

MULTI BOX TYPE 1 (TWO GANG BACK BOX)

MULTI BOX TYPE 3 (THREE GANG BACK BOX)

THEATRICAL RACEWAY

FLOOR POCKET/WALL BOX

REPLACE EXISTING BUTTON STATION 1 REUSE EXISTING WIRING, CONDUIT AND BACK BOXES

REMOVE UNIOSN CONNECTOR AND BACK BOX. REPLACE WITH NEW MB3 3-GANG BACK BOX. REPLACE EXISTING BELDEN 8471 CABLE WITH (3) BELDEN 1583A

REPLACE EXISTING LCD WITH NEW LCD REPLACE BELDEN 8471 WITH BELDEN

NEW CONDUIT TO EQUIPMENT RACK CONTAINS (1) BELDEN 1583A, (1) #14 AWG MOUNT 8'0" AFF

5 NEW CONDUIT TO EQUIPMENT RACK CONTAINS (1) BELDEN 1583A, (1) #14 AWG M□UNT 10′0″ AFF

NEW 1/2" CONDUIT TO ACCESSORY RACK $\sqrt{6}$ CONTAINS (2) BELDEN 1583A, (1) #14 AWG MOUNT 2'0" AFF 7 1/2" CONDUIT TO EQUIPMENT RACK CONTAINS (1) BELDEN 1583A, (1) #14 AWG

MOUNT 2'0" AFF 8 REPLACE DUTLET PLATES IN FLOOR POCKETS AS INDICATED. REUSE EXISTING WIRING AND

COVER PLATES. 9 CONDUIT TO DIMMER RACKS
CONTAINS (5) 20 AMP CKTS 10 WIRES + GND 1/2" CONDUIT TO EQUIPMENT RACK CONTAINS (2) BELDEN 1583A (1) #14 AWG MOUT TO WALL ADJACENT TO EXISTING TORM

10 1/2" CONDUIT TO EQUIPMENT RACK CONTAINS (1) BELDEN 1583A, (1) #14 AWG MOUNT TO WALL ADJACENT TO EXISTING TORM DISTRIBUTION.

1/2" CONDUIT TO EQUIPMENT RACK 11 CONTAINS (1) BELDEN 1583A, (1) #14 AWG MOUNT TO PIPE AT END OF DISTRIBUTION

REPLACE (8) STAGE PIN DUTLETS WITH EDISON DUTLETS. DUTLETS ARE ON PIGTAILS. LABEL AS INDICATED.

REPLACE (3) STAGE PIN DUTLETS WITH EDISON DUTLETS. DUTLETS ARE ON PIGTAILS. CIRCUIT AND LABEL AS INDICATED.

3 EXISTING SENSOR+ DIMMER RACKS UPGRADE CONTROL MODULES TO NEW CEM3 MODULES

EXISTING EQUIPMENT RACK REPLACE NETWORK SWITCHES, PATCH BAYS, ARCHITECTURAL PROCESSOR, AND UPS. LABEL ALL PATCH BAYS. ALL EXISTING COMPONENTS SHALL BE RECONNECTED, UNLESS SPECIFICALLY CALLED OUT TO BE REPLACED.

GENERAL NOTES

COMBINE CONDUIT RUNS WHENEVER

POSSIBLE.

2 ALL BACK BOX MOUNTED DEVICES ARE TO BE FLUSH MOUNT UNLESS NO OPTION EXISTS.

3 ALL WIRING TO BE RUN IN CONDUIT.

ALL DEVICES NOT SHOWN ARE TO REMAIN 4 AND SHALL BE RESTORED TO FUNCTION AT THE COMPLETION OF THE INSTALLATION.

5 CONDUIT MAY NOT BE RUN IN AREAS VISIBLE TO THE AUDIENCE UNLESS NO OPTION EXISTS..

6 CONDUIT OR WIREMOLD INSTALLED IN AREAS VISIBLE TO THE AUDIENCE MUST BE PAINTED TO MATCH THE ADJACENT WALL IN A COLOR SELECTED BY THE ARCHITECT.

ANY ABANDONED BOXES, OR HOLES FROM REMOVEAL OF CONDUIT SHALL BE COVERED WITH BLANK COVER PLATES.

B DEVICE IDENTIFIERS USED ON THE WHS PROJECT ARE UNIQUE TO THESE SHEETS AND WILL NOT CROSS REFERENCE Between other sheets.

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SHEET CONTENTS: Theatrical Lighting and Control -Upper Level Devices

HTK PROJECT NUMBER: ● 1707.05-004

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SHEET NUMBER:

WHS-TH112