



DEDICATED TO EXCELLENCE
5506 SIXTH AVENUE REAR ALTOONA, PA 16602 PH: (814) 946-3686
www.lsfiore.com Main FX: (814) 946-5288 Proj Mgmt FX: (814) 946-3526

TRANSMITTAL

NO: 369

Please reference the Proj Name, Proj #, and applicable Submittal #'s, RFI#'s, etc. on all correspondence to Leonard S. Fiore, Inc.

PROJECT: Garrett College CEPAC

DATE: 6/10/2021

PROJ #: GC-0422

REF: Submittal

TO: Kathy Walbert
DLR Group
7290 West 133rd Street
Overland Park, KS 66213-4748
Ph: 913-685-5684

WE ARE SENDING:

- ☐ Shop drawings ☐ Plans
☐ Letter ☐ Samples
☐ Prints ☐ Specifications
☐ Change Order ☒ Other: Submittal

SUBMITTED FOR:

- ☒ Approval
☐ Your use
☐ As Requested
☐ Review and Comment

SENT VIA:

- ☒ Attached
☐ Separate cover via:

ACTION TAKEN:

- ☐ Approved as Submitted
☐ Approved as Noted
☐ Returned for Corrections
☐ "Due Date:
☐ Revise & Resubmit

Item	Copies	Date	No.	Description	Status
Submittal	1	6/10/21	116103-001-02 Rev 2	THEATRICAL NETWORKED LIGHTING CONTROL SYSTEM	New
Attachment	1			Re: Submittal 116103-001-02 Rev 2 - Submittal 1's SPC Documents.pvsync	

Notes:

CC:

Signed:

Nancy Nyman

Nancy Nyman (Leonard S. Fiore, Inc.)



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SUBMITTAL COVER SHEET

PROJECT NAME: Garrett College CEPAC

LSF PROJECT #: GC-0422

CONSTRUCTION PROFESSIONAL: Leonard S. Fiore, Inc

DATE: 6/10/2021

SPEC SECT:	LSF SUBMITTAL#:	REVISION#:	DESCRIPTION:	SUPPLIER:
116103	001-02	2	THEATRICAL NETWORKED LIGHTING CONTROL SYSTEM	PITTSBURGH STAGE INC

PAGE: 116103

PARA: 1.6

Remarks:

Contractor's Stamp:

	Leonard S. Fiore, Inc.
GENERAL CONTRACTOR	
DEDICATED TO EXCELLENCE	
Reviewed _____	☐
Approved _____	☒
Approved as Noted _____	☐
Revise and Resubmit _____	☐
Rejected _____	☐
By: TG	Date: 6-10-2021
Subm. # 116103-001-02	
Reviewed for general performance subject to design and compliance with contract documents.	

Approved By:

Tracy Gardner



June 4, 2021

Tracy Gardner
Leonard S Fiore Inc.
5506 6th Avenue Rear
Altoona PA 16602

Re: Garrett College_Section 116103

Please find the following enclosed:

☐ NEW SUBMITTAL ☒ REVISE & RESUBMIT ☐ FOR RECORD

☒ PRODUCT DATA ☒ SHOP DRAWINGS ☐ SAMPLES ☐ COLOR CHART

☐ AS REQUESTED ☒ FOR APPROVAL ☐ FOR YOUR USE

If you should have any questions, please do not hesitate to call.

Sincerely,

Marcella Kaye Ruby
designer

IF ENCLOSURES ARE NOT AS NOTED, KINDLY NOTIFY US AT ONCE

2 South Avenue • Sewickley PA 15143
TEL: 412-534-4500 • FAX: 412-534-4505
www.pittsburghstage.com • pghstage@pittsburghstage.com

DATE: June 2, 2021

PROJECT: Garrett College Performing Arts Center

ARCHITECT: TCA Architects
CONSTRUCTION

MANAGER: Leonard S. Fiore, Inc.

SUBCONTRACTOR: Pittsburgh Stage Inc

SECTION: 116103

SCOPE OF WORK: Theatrical Networked Lighting Control

1.6 Submittals

- 1.6C Shop drawings

1.13 Qualifications

- 1.13 Qualifications

1.15 Warranty

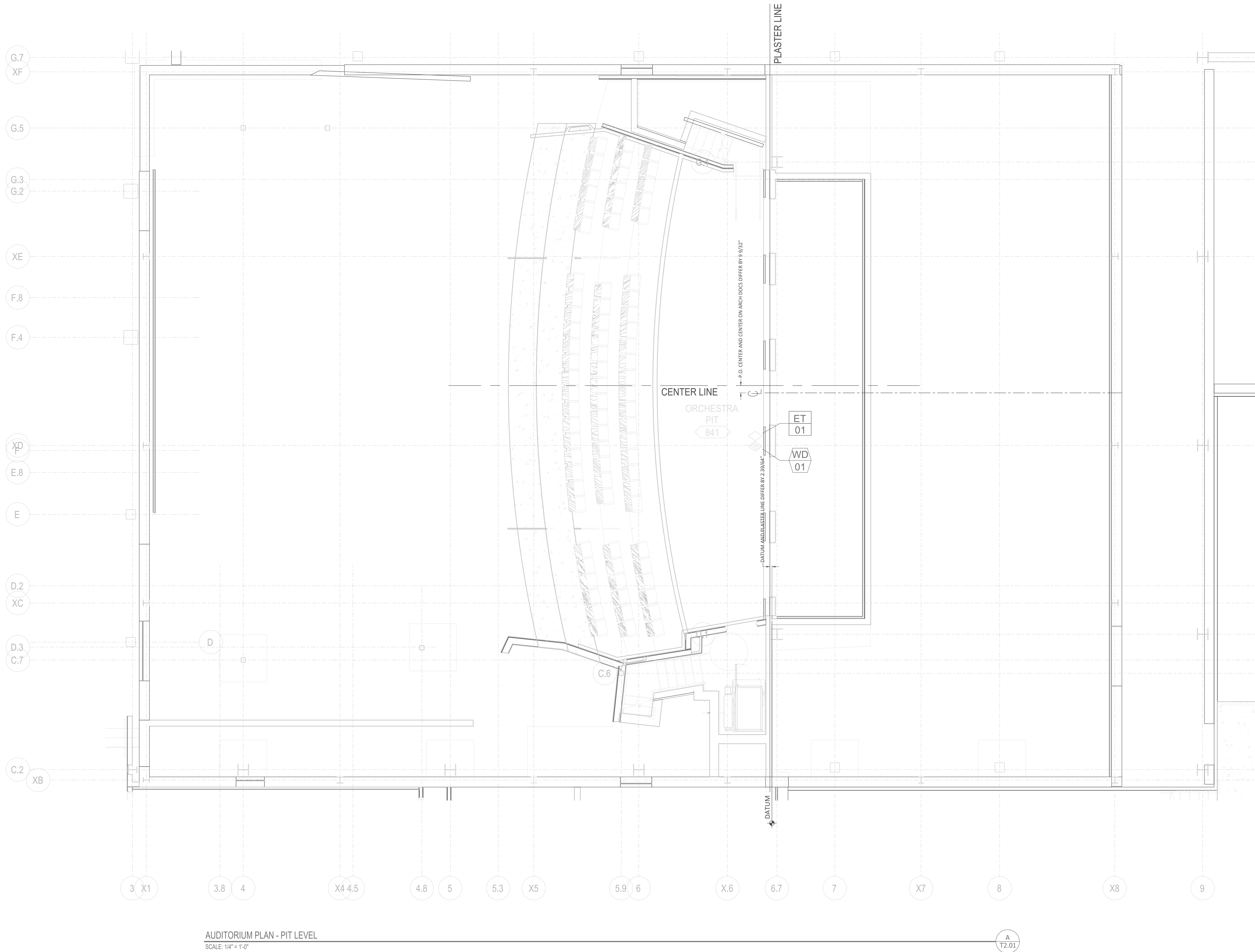
- 1.15 Sample Warranty

2.6 Emergency Lighting Transfer System

- 2.6A SSRC ELTP

Various

- Strand system product data



LIGHTING DEVICE SYMBOLS LEGEND

- THEATRICAL WIRING DEVICE, AS LABELED AND SCHEDULED
- THEATRICAL LIGHTING CONTROL DEVICE, AS LABELED AND SCHEDULED

LIGHTING DEVICE TAGS LEGEND

- WIRING DEVICE. TERMINATES IN DIMMER RACK AND/OR RELAY PANEL(S). (SEE QT602). REFER WIRING DEVICE SCHEDULE(S). (SEE QT601)
- DIMMER RACK
- LIGHTING CONTROL PANEL (INTEGRATED)
- LIGHTING RELAY PANEL (FEED-THROUGH)
- LIGHTING PROCESSOR & NETWORK RACK
- ETHERNET TAP
- ETHERNET GATEWAY NODE
- HOUSE LIGHTING CONTROL STATION
- WIRELESS ACCESS POINT
- LIGHTING CONTROL CONSOLE

GENERAL NOTES

1. THEATRICAL WIRING DEVICES FURNISHED BY THEATRICAL WIRING DEVICE MANUFACTURER AND INSTALLED BY ELECTRICAL CONTRACTOR.

GENERAL COORDINATION NOTES

- STRUCTURAL STEEL INCLUDING LOFT BLOCK & HEAD BLOCK BEAMS. LOCATIONS SHALL BE COORDINATED WITH T.E.C. (THEATRICAL EQUIPMENT CONTRACTOR)
- STRUCTURAL STEEL BEAMS - LOCATIONS OF STIFFENING PLATES & STIFFENING BEAMS AT LOFT BLOCK BEAMS AND HEAD BLOCK BEAMS SHALL BE ARRANGED BY STRUCTURAL STEEL CONTRACTOR SO AS TO AVOID CONFLICT WITH STAGE EQUIPMENT.
- CARPENTRY - LOCATIONS AND SIZES OF PROSCENIUM OPENING TRIM TO BE COORDINATED AS NOT TO INTERFERE WITH CURTAIN AND RIGGING OPERATION.
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SUBJECT TO FIELD VERIFICATION AND COORDINATION

AS BUILT	
INSTALL COMPLETE	
MANUFACTURE COMPLETE	
RELEASED TO SHOP	
CURTAIN WORK ORDER	
FIELD MEASURE VERIFIED	
FIELD REVISIONS	
FIELD VERIFIED	
AAN REVISION	
APPROVED / APPROVED AS NOTED	
REVISED AND RESUBMITTED	
SUBMITTED	
MKR	01/18/21
RELEASED FOR SUBMISSION	
MFCE	01/15/21
REVIEWED	
MFCE	01/15/21
DRAWN	
JB/mfce	01/05/21
DESIGNED	
DRAWING DATE	
#1	01/18/21

PROJECT

GARRETT COLLEGE
P.A.C.

GARRET COLLEGE

JOB NUMBER

13151

SCALE

AS NOTED

SHEET

3 of X

DRAWING NUMBER

T2.01

PITTSBURGH STAGE

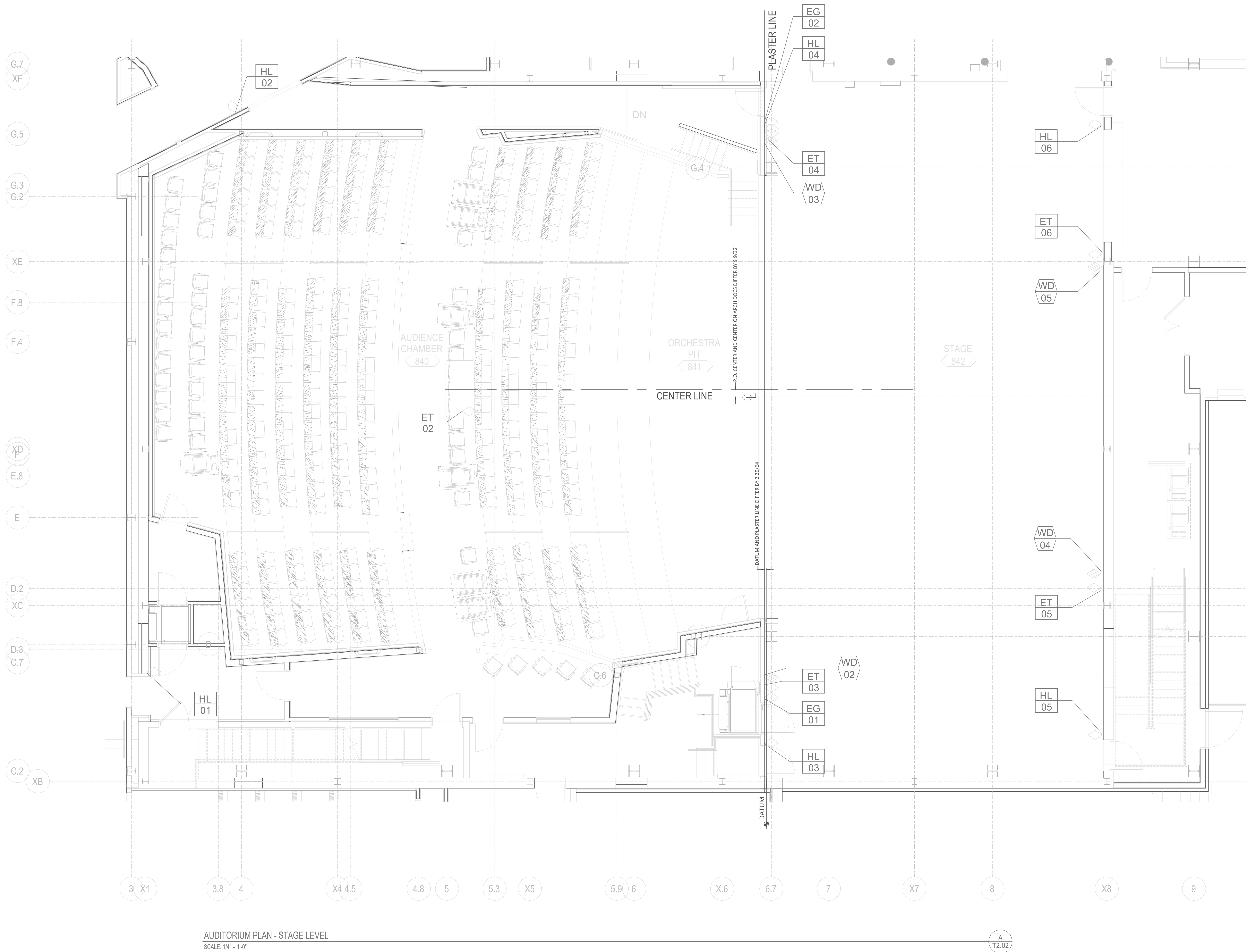
COMMITMENT TO QUALITY

2 SOUTH AVENUE SEWICKLEY PA 15143

TEL: 412-534-4300 FAX: 412-534-4305

pbstage@pittsburghstage.com

www.pittsburghstage.com



AUDITORIUM PLAN - STAGE LEVEL
SCALE: 1/8" = 1'-0"

LIGHTING DEVICE SYMBOLS LEGEND

- THEATRICAL WIRING DEVICE, AS LABELED AND SCHEDULED
- THEATRICAL LIGHTING CONTROL DEVICE, AS LABELED AND SCHEDULED

LIGHTING DEVICE TAGS LEGEND

- WD # WIRING DEVICE. TERMINATES IN DIMMER RACK AND/OR RELAY PANEL(S). (SEE QT602) REFER WIRING DEVICE SCHEDULE(S). (SEE QT601)
- DR # DIMMER RACK
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- HL # HOUSE LIGHTING CONTROL STATION
- WAP # WIRELESS ACCESS POINT
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MANUFACTURE COMPLETE	
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FIELD REVISIONS	
FIELD VERIFIED	
AAN REVISION	
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SUBMITTED	
MKR	01/18/21
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MFCE	01/15/21
REVIEWED	
MFCE	01/15/21
DRAWN	
JB/mfce	01/05/21
DESIGNED	
DRAWING DATE	
#1	01/18/21

PROJECT
**GARRETT COLLEGE
P.A.C.**
GARRET COLLEGE

JOB NUMBER 13151

SCALE AS NOTED

SHEET 4 of X

DRAWING NUMBER

T2.02

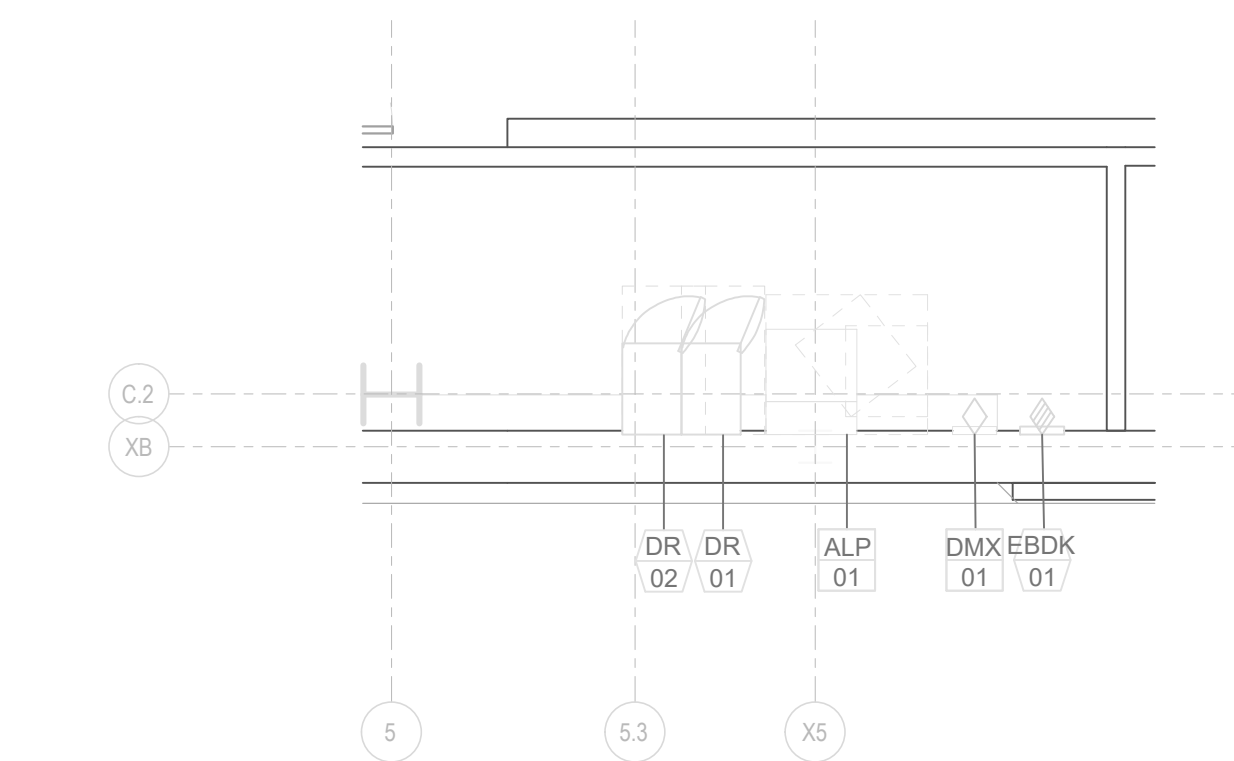
PITTSBURGH STAGE
COMMITMENT TO QUALITY

2 SOUTH AVENUE SEWICKLEY PA 15143
TEL: 412-534-4300 FAX: 412-534-4305

pghstage@pittsburghstage.com
www.pittsburghstage.com



AUDITORIUM PLAN - CONTROL ROOM LEVEL
SCALE: 1/4" = 1'-0"



DIMMER ROOM PLAN
SCALE: 1/4" = 1'-0"

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JB/mfce	01/05/21
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DRAWING DATE	
#1	01/18/21

PROJECT
GARRETT COLLEGE P.A.C.
GARRET COLLEGE

JOB NUMBER
13151

SCALE
AS NOTED

SHEET
5 of X

DRAWING NUMBER
T2.03



THEATRICAL WIRING DEVICE, AS LABELED AND SCHEDULED

THEATRICAL LIGHTING CONTROL DEVICE, AS LABELED AND SCHEDULED

WD #

WIRING DEVICE. TERMINATES IN DIMMER RACK AND/OR RELAY PANEL(S). (SEE QT602) REFER WIRING DEVICE SCHEDULE(S). (SEE QT)

DR #

DIMMER RACK

LCP #

LIGHTING CONTROL PANEL (INTEGRATED)

LRP #

LIGHTING RELAY PANEL (FEED-THROUGH)

ALP #

LIGHTING PROCESSOR & NETWORK RACK

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ETHERNET TAP

EG #

ETHERNET GATEWAY NODE

HL #

HOUSE LIGHTING CONTROL STATION

WAP #

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LIGHTING CONTROL CONSOLE

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SUBMITTED	01/18/21
RELEASED FOR SUBMISSION	01/15/21
REVIEWED	01/15/21
DRAWN	01/05/21
DESIGNED	-
DRAWING DATE	01/18/21

PROJECT

GARRETT COLLEGE P.A.C.

GARRET COLLEGE

JOB NUMBER

13151

SCALE

AS NOTED

SHEET

6 of X

DRAWING NUMBER

T2.04



Capabilities

Pittsburgh Stage has achieved an unexcelled reputation with over 77 years of experience in designing, manufacturing, and installing theatrical equipment. We have strategically invested in personnel, training, equipment, and facilities.

With thirty five employees on average, we are an ETCP (Entertainment Technician Certification Program) Recognized Employer and currently have nine ETCP certified riggers and one ETCP certified trainer amongst our ranks. Rigging, hardware, tracks, curtains, and lighting equipment are installed by Pittsburgh Stage's factory-trained personal. Our people have worked on both small and large projects valued at anywhere between \$500.00 and \$1,300,000.00. We design, manufacture, and install manual counterweight systems, curtains, acoustical clouds, and install lighting and dimming systems, pit fillers, projection screens, pipe grids, motorized hoists, winches, tracks, and many other items. Pittsburgh Stage has the capability and expertise to design, furnish and install nearly every stage equipment component conceivable. We also perform over one hundred comprehensive inspection and maintenance services annually.

Our plant is located in Pittsburgh, central to and within an overnight reach of the entire Atlantic and East Central area, and in fact, we have performed installation far beyond these geographic limits. We maintain a fleet of seven vehicles with cargo boxes of up to twenty-six feet in length so that we may be as responsive as possible to our customers' needs. Our 45,000 square foot facility features 5,000 square feet of office space; and our manufacturing space features a metal fabrication shop with an overhead crane, four truck docks, a drive in tractor-trailer port, sewing shop, and an acoustical panel fabrication shop.

From elementary school stages to large performing arts centers, Pittsburgh Stage is capable of furnishing and installing nearly every stage equipment component required. Pittsburgh Stage does not believe in planned obsolescence. Equipment is installed to provide many years of trouble free service. In addition to our own equipment, Pittsburgh Stage supplies equipment from the industry's leading manufacturers.

Financial Strength

Pittsburgh Stage, Inc. has the financial strength to meet its obligations. Bonding and insurance requirements are in place to undertake virtually any size theater project. We maintain an excellent working relationship with all of our vendors, often taking advantage of discounts for prompt pay. This makes Pittsburgh Stage as competitive as possible.

After 77 years, we can proudly state that we have met the financial and ethical obligations of all customers and vendors.

Key Personnel

Douglas Fowkes is the owner and President. Being a second-generation owner/operator, Douglas has over 36 years of experience designing and managing theater projects. He has consulted on over 2,000 theatrical projects. He is a graduate of Allegheny College with a Bachelor of Science Degree in physics. Doug is an ETCP Trainer.

Ralph Seifert is the Fabrication Shop Manager with 23 years of experience with Pittsburgh Stage. He is a machinist and certified welder by trade with over 27 years' experience in fabrication.

David Seifert is the Vice-President with over 23 years of experience with Pittsburgh Stage. He is a graduate of Robert Morris University with a Bachelor of Science Degree in Business Administration and is also an ETCP Certified Theater Rigger.

Marcella Ruby is the head of Drafting and Design with 19 years of experience with Pittsburgh Stage and over 28 years of experience in drafting and design. Marcella has a Bachelor of Science Degree in Interior Design.

Louis Munk is Chief Estimator with 8 years of experience at Pittsburgh Stage and over 35 years construction experience as a construction administrator and field inspector. Lou is also a Certified Construction Document Technologist.

Jake Poling is the Special Project Salesman / Project Manager with over 17 years of experience at Pittsburgh Stage and is also an ETCP Certified Rigger.

Jim Logan is the Sr. Project Manager with 13 years of experience at Pittsburgh Stage and is also an ETCP Certified Rigger.

Ken Fec is Lighting Department Manager / Estimator with 5 years of experience at Pittsburgh Stage.



WARRANTY OF WORK

Issued to:

GARRETT COLLEGE

on

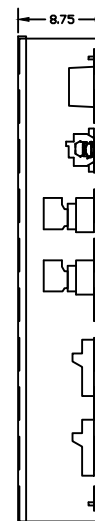
SAMPLE

All products manufactured by Pittsburgh Stage, Inc. are warranted to be free from defects in material or workmanship. Other warranties and representations, expressed or implied, and all other liabilities in connection with the sale or use of any Pittsburgh Stage, Inc. product are expressly disclaimed. We are not, nor will we be, liable under this warranty for consequential or incidental damages of any kind, including damages due to lost profits, loss of use, delays, personal injury, death, or property damage. Any manufacturer's warranty on items supplied by Pittsburgh Stage, Inc., but manufactured by others, will be assigned to the Buyer.

Pittsburgh Stage, Inc. makes no warranty regarding the suitability of any product for any application unless specific engineering drawings are done by Pittsburgh Stage, Inc. and the product is installed in accordance with those drawings. Pittsburgh Stage Inc. makes no implied warranties of any kind, including no warranty of merchantability or warranty of fitness for a particular purpose, all of which are expressly disclaimed.

Our obligations under this warranty will be limited to repairing or replacing at our factory, any part or parts that within 2 Years after delivery of the product, appear to us upon inspection to have been defective in material and / or workmanship.

This warranty shall not apply to any Pittsburgh Stage Inc. product, which has been used, repaired or altered outside of the factory in any way so as to affect the intent of design, or to any product which has been subject to misuse, negligence or accident, or has been operated in any way other than its intended use



MAINSTAGE
QUANTITY: (1) ELTP-24-1

EMERGENCY LIGHTING TRANSFER PANEL WIRED
FOR (24)-CIRCUITS WITH DISCRETE POWER FEED.

NOTES:

-NEMA 1 36" x 48" x 8.75" 14 GA. STEEL ENCLOSURE
WITH GRAY POWDERCOAT FINISH

-UNIT HAS SCCR OF 65,000 RMS SYMMETRICAL

-UNIT COMPLIES WITH ANSI/UL1008, ANSI/NFPA110
AND ANSI/NFPA70(NEC)

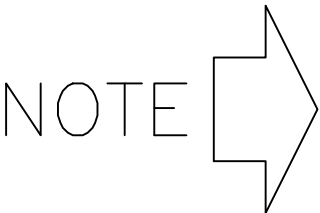
-UNIT IS UL & cUL LISTED

		JOB: GARRETT COLLEGE	SALES DRIER NO.	Quality Theatrical Distribution 170 Fortis Dr., Duncan, SC 29334 (864) 848-3770 Fax (864) 848-3746
DATE: 5/7/21		LOCATION:	10451	
		CUSTOMER: PITTSBURGH STAGE	PURCHASE ORDER NO.	
		REP.		
DWG BY:				
MM				
DRAWING NO.: 1	REV.	TITLE: 20124208.2	SCALE: 1/1	
UNLESS OTHERWISE SPECIFIED - ALL DIMENSIONS ARE IN INCHES.				

SYSTEM NOTES:

- * PRODUCTION REQUIRES EIGHT WEEKS FOR DELIVERY OF EQUIPMENT AFTER WE RECEIVE WRITTEN NOTICE OF PRODUCTION RELEASE.
- * STRAND LIGHTING REQUIRES THAT THIS EQUIPMENT BE INSTALLED PER THE NATIONAL ELECTRIC CODE AND LOCAL BUILDING REGULATIONS.
- * ALL LOW VOLTAGE TERMINATIONS ARE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR.
- * BACKBOXES SHALL BE PROVIDED BY OTHERS, UNLESS SPECIFICALLY LISTED IN THE BILL OF MATERIALS.
- * ALL CONTROL WIRING FROM REAR OF WALL PLATES AND CONTROL STATIONS TO DIMMER RACK IS SUPPLIED AND INSTALLED BY OTHERS.
- * ALL CHANGE ORDERS AND BACK CHARGES MUST BE PRE-APPROVED BY STRAND LIGHTING. IT IS STRAND LIGHTING'S STRICT POLICY NOT TO ACCEPT ANY BACK CHARGES OR CHANGE ORDERS IF THE WORK HAS ALREADY BEEN PERFORMED.
- * NETWORK CERTIFICATION IS NOT INCLUDED IN THIS QUOTATION. TESTING AND CERTIFYING OF FIBER AND COPPER ETHERNET CABLING SHALL BE PROVIDED BY OTHERS. 100% OF THE INSTALLED VERTICAL AND HORIZONTAL LINKS SHALL BE TESTED AND CERTIFIED FROM POINT-TO -POINT BY AUTHORIZED AND TRAINED TECHNICIANS. STRAND LIGHTING MUST RECEIVE AND APPROVE THE LENGTH, ATTENUATION, CONTINUITY, NEAR END CROSS TALK, WIRE MAP AND ATTENUATION/CROSS TALK RATIO RESULTS OF THE TESTING BEFORE PROCEEDING WITH A SYSTEM COMMISSIONING.

THIS SUBMITTAL PACKAGE SHALL BE PER THE STRAND LIGHTING BILL OF MATERIALS AND NOTED TERMS AND CONDITIONS.



GARRETT COLLEGE MCHENRY, MARYLAND	DATE DRAWN: 12/07/20 DWG/S.O. #: 739460 PROJECT MANAGER: PAUL ROUNDSTREAM DEAN DOVE
REVISION C, MAY 24TH, 2021	

PROVISIONS:
NO PART OF THIS SYSTEM SHALL BE ENERGIZED BEFORE BEING CHECKED AND APPROVED BY A CERTIFIED STRAND LIGHTING TECHNICIAN.
FOR FACTORY COMMISSIONINGS, PLEASE OBTAIN, COMPLETE AND SIGN A SYSTEM COMMISSIONING REQUEST FORM AND FAX IT BACK TO YOUR PROJECT MANAGER AT STRAND LIGHTING. STRAND LIGHTING MUST RECEIVE THE REQUEST FORM A MINIMUM OF TWO WEEKS PRIOR TO THE REQUESTED COMMISSIONING DATE. FAILURE TO OBSERVE THIS PROVISION SHALL AUTOMATICALLY RELIEVE STRAND LIGHTING OF ANY RESPONSIBILITY CONCERNING THE PROPER OPERATION OF THIS SYSTEM OR ANY PART THEREOF AND THE REPLACEMENT OF PARTS WHICH MAY HAVE BEEN DAMAGED BY THE PREMATURE ENERGIZING OF THE SYSTEM.

Strand Lighting

CUSTOMER NOTES:

IF THIS DRAWING SET IS APPROVED AND RELEASED TO STRAND LIGHTING FOR PRODUCTION AND SHIPMENT, PLEASE SIGN AND DATE HERE:

COMPANY NAME:

PRINT NAME:

SIGNATURE:

DATE:

GARRETT COLLEGE
MCHENRY, MARYLAND

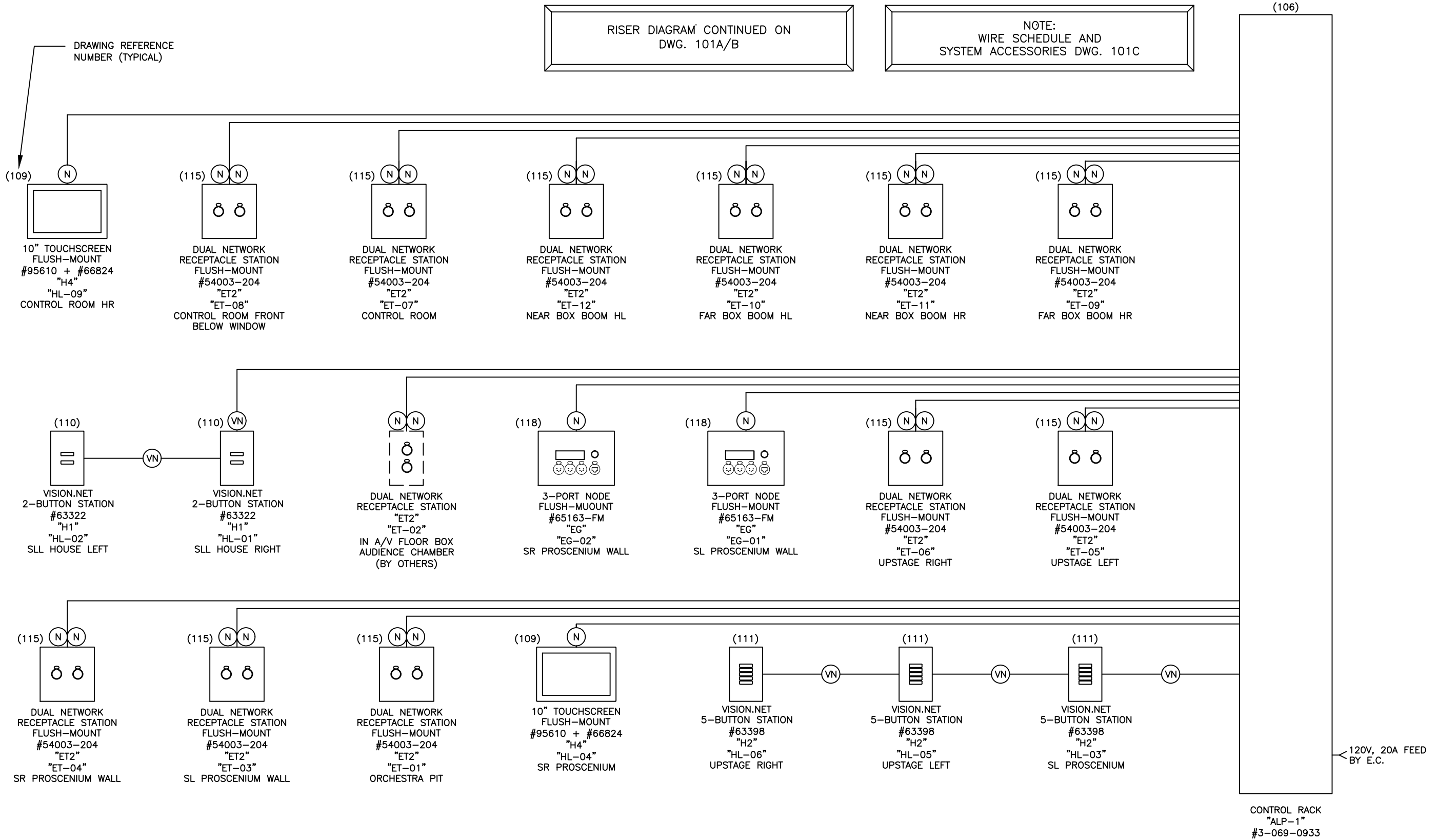
PROSCENIUM THEATRE LIGHTING SYSTEM		
DRAWING #	REV	DESCRIPTION
101	A	RISER DIAGRAM #1
101A	A	RISER DIAGRAM #2
101B		RISER DIAGRAM #3
101C		NOTES, WIRE SCHEDULE AND SYSTEM ACCESSORIES
102		C21 RACK "DR-01"
102A		C21 RACK "DR-01" CIRCUIT SCHEDULE
102B	B	C21 RACK "DR-01" CIRCUIT SCHEDULE (CONT.)
103		C21 RACK "DR-02"
103A	B	C21 RACK "DR-02" CIRCUIT SCHEDULE
103B	C	C21 RACK "DR-02" CIRCUIT SCHEDULE (CONT.)
103C		C21 ACE PROCESSOR WIRING "DR-01" & "DR-02"
104		CONTACT RELAY PANEL "LRP1A"
104A	A	CONTACT RELAY PANEL "LRP1A" CIRCUIT SCHEDULE
104B		CONTACT RELAY PANEL "LRP1A" WIRING
105		CONTACT RELAY PANEL "LRP1B"
105A	A	CONTACT RELAY PANEL "LRP1B" CIRCUIT SCHEDULE
105B		CONTACT RELAY PANEL "LRP1B" WIRING
106		CONTROL RACK "ALP-01"
106A		CONTROL RACK "ALP-01" FLOW DIAGRAM
106B		ETHERNET COMPONENTS
106C		TYPICAL ETHERNET WIRING
106D		8-PORT NODE
106E		CUSTOM TRAY #1
106F		CUSTOM TRAY #1 WIRING
106G		CUSTOM TRAY #2
106H		CUSTOM TRAY #2 WIRING
106J		CUSTOM TRAY #3
106K		CUSTOM TRAY #3 WIRING

PROSCENIUM THEATRE LIGHTING SYSTEM		
DRAWING #	REV	DESCRIPTION
107		PHASE LOSS SENSE PANEL "EBDK-01"
107A		PHASE LOSS SENSE PANEL WIRING
108		EMERGENCY DMX BYPASS SWITCH #1 & #2 "DMX-01" & "DMX-02"
109		10" TOUCHSCREEN FLUSH-MOUNT "H4"
109A		10" TOUCHSCREEN WIRING
110	A	VISION.NET 2-BUTTON STATION "H1"
110A	A	VISION.NET 2-BUTTON STATION CHART
111		VISION.NET 5-BUTTON STATION "H2"
111A		VISION.NET 5-BUTTON STATION CHART
112	A	NEO LIGHTING CONSOLE
113		NEO LIGHTING CONSOLE SUBMASTER WING
114		WIRELESS BASE STATION
115		DUAL NETWORK RECEPTACLE STATION FLUSH-MOUNT "ET2"
115A		DUAL NETWORK RECEPTACLE STATION CHART
116		---DRAWING DELETED---
117		DUAL NETWORK RECEPTACLE STATION PIPE-MOUNT "ET2"
117A		DUAL NETWORK RECEPTACLE STATION PIPE-MOUNT CHART
118		3-PORT NODE FLUSH-MOUNT "EG"
118A		3-PORT NODE FLUSH-MOUNT CHART
119	A	3-PORT PIPE MOUNT NODE "EG"
119A	A	3-PORT PIPE MOUNT NODE "EG" CHART

INDEX 1 OF 1

					OFFICE PHONE NUMBER: 214-647-7880	FAX PHONE NUMBER: 214-647-8031	SALES ORDER: 739460
C	05/24/21	Strand Lighting	DRAWN BY: C. COLEY PHONE #: 800-478-7263	PROJECT MANAGER: PAUL ROUNDSTREAM DEAN DOVE	BID ANALYST: CLARE ADAMS PHONE #: 214-647-7965	REGIONAL SALES MANAGER: TOM STANZIANO PHONE #: 813-334-4189	
B	05/19/21						
A	03/24/21						
	12/07/20						
REV	DATE						

Z:\DS-JOBS-2020\50739460_GARRETT COLLEGE



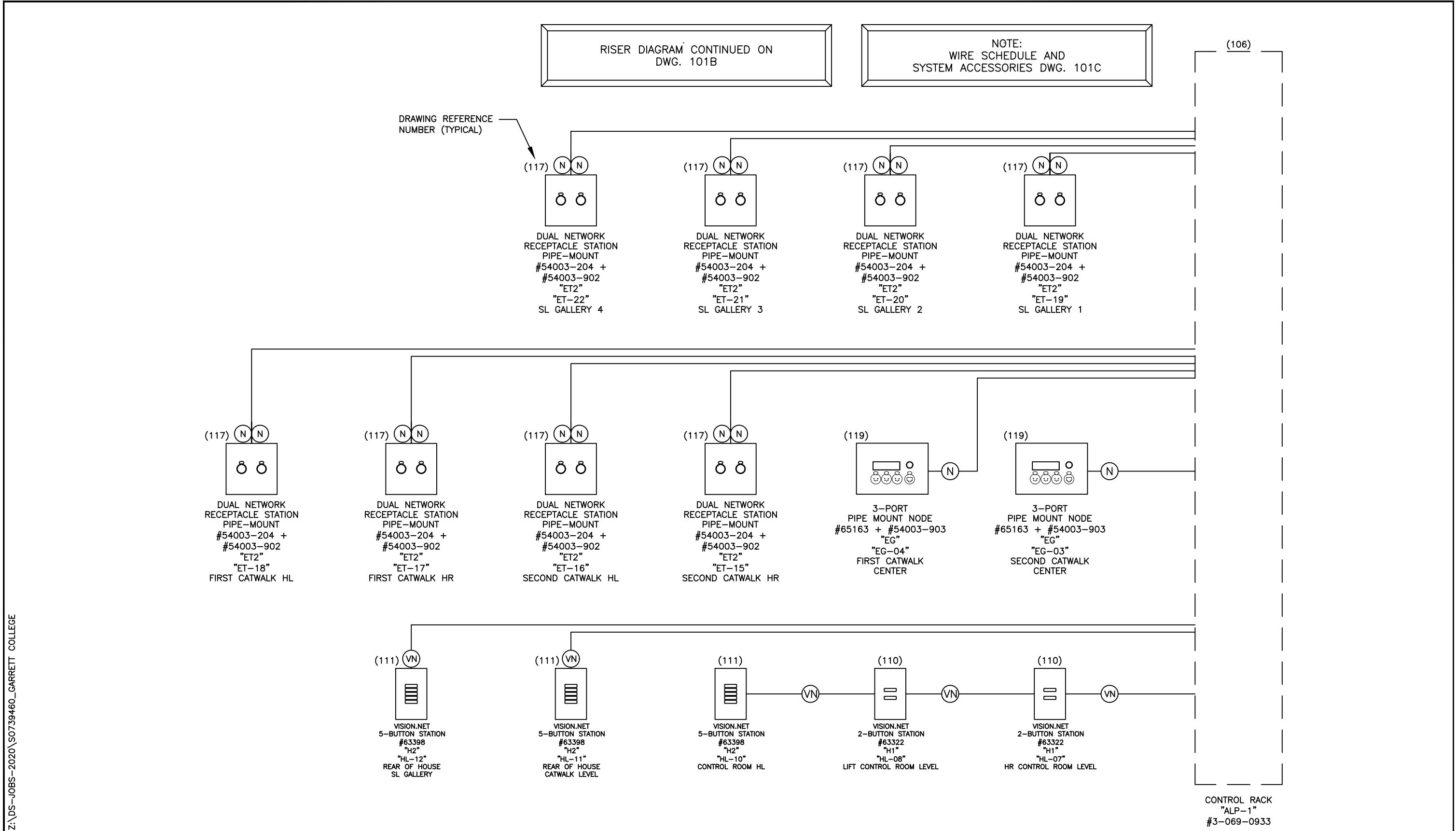
	pr	A	03/24/21	REVISED "ET-02" DEVICE PER MARK UPS
APPVD	DWN	REV	DATE	REV DESCRIPTION

Strand Lighting

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DESIGNER	ENGINEER	JOB NAME		SYSTEM	
DRAWN BY CC	DATE 12/07/20	GARRETT COLLEGE MCHENRY, MARYLAND		PROSCENIUM THEATRE	
APPVD BY	DATE	STRAND P/N	TITLE	DRAWING NO.	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B	SCALE N.T.S.	SHEET 1 OF 1
RISER DIAGRAM #1				739460-101	A

Z:\DS-JOBS-2020\50739460_GARRETT COLLEGE



	pr	A	03/24/21	REVISED "EG-03" & "EG-04" DEVICES PER MARK UPS
APPVD	DWN	REV	DATE	REV DESCRIPTION

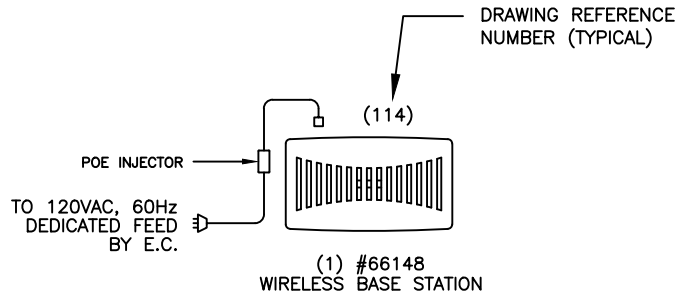
Strand Lighting

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DESIGNER	ENGINEER	JOB NAME	
DRAWN BY CC	DATE 12/07/20	GARRETT COLLEGE MCHENRY, MARYLAND	
APPVD BY	DATE	STRAND P/N	TITLE
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B
		SCALE N.T.S.	SHEET 1 OF 1

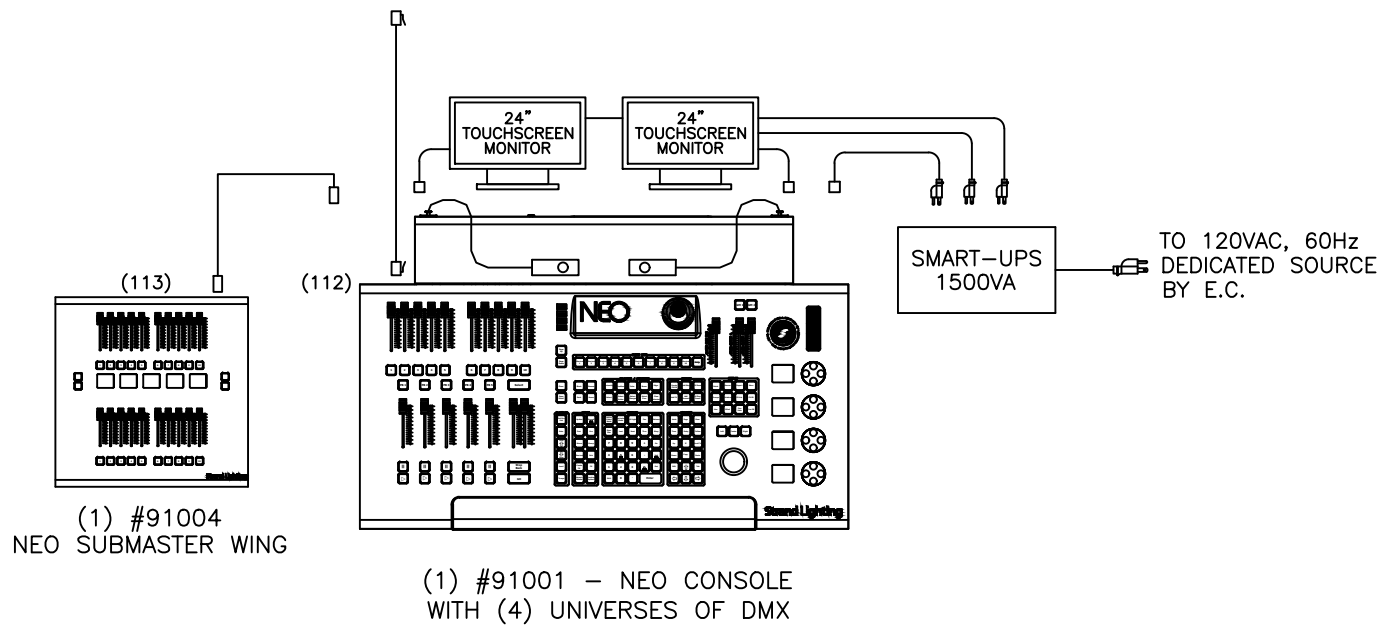
SYSTEM	
PROSCENIUM THEATRE	
DRAWING NO. 739460-101A	REV A

Z:\DS-JOBS-2020\50739460_GARRETT COLLEGE



EQUIPMENT FEEDS BY E.C.:

- (F1) 3 ϕ , 4-WIRE WITH GROUND, 120/208 VAC, 60Hz.
[BUSSING AND LUGS RATED FOR 800 AMPS MAX.;
COPPER CONDUCTORS ONLY]
- (F2) 3 ϕ , 4-WIRE WITH GROUND, 120/208 VAC, 60Hz.
[BUSSING AND LUGS RATED FOR 250 AMPS MAX.;
COPPER CONDUCTORS ONLY]



- ADDITIONAL ITEMS SUPPLIED:
- (1) #96462 - 50' ETHERNET CABLE
- (2) #91024 - 24" TOUCHSCREEN MONITORS
- (2) #91026 - 24" MONITOR DUST COVER
- (2) #67528 - USB MEMORY KEY
- (1) #95212 - UPS 1500VA

NOTES:

- THIS DRAWING DOES NOT INDICATE THE NUMBER OR SIZE OF CONDUITS REQUIRED, BUT THE SEPARATION OF GROUPS OF WIRES. INTERCONNECTING WIRE AND CONDUIT NOT BY STRAND LIGHTING.
- WHEREVER CONTROL WIRES SHOWN MUST BE RUN CLOSE TO A.C. CONTROL AND/OR POWER CIRCUITS, THESE CONTROL WIRES MUST BE RUN IN SEPARATE METAL CONDUIT.
- PROVIDE AN EQUIPMENT GROUND, AS REQUIRED BY THE NATIONAL ELECTRICAL CODE, BETWEEN BUILDING SERVICE ENTRANCE AND THE DIMMER RACK.
- BACK BOXES OF CONTROL STATIONS MUST BE GROUNDED.
- SEPARATE NEUTRAL IS REQUIRED FOR EACH CIRCUIT.
- ALL CONTROL CABLES MUST BE INSTALLED AS DEPICTED IN THE TOPOLOGY SHOWN IN THE SYSTEM RISER DRAWING. IT IS NOT PERMISSIBLE TO HAVE BRANCHING RUNS, STUB RUNS OR "WYE" CABLE TOPOLOGIES.
- DMX CABLING UTILIZING BELDEN 1583A/1592A FOLLOWS ANSI E1.27-2: STANDARD WIRING PRACTICE FOR PERMANENTLY INSTALLED CONTROL CABLES FOR USE WITH ANSI E1.11 DMX512-A.

WIRES AND CABLES BY E.C.:

- (AI) EACH (2) #16 AWG CONTROL WIRES (IN, COM):
DRY CONTACT CLOSURE (DO NOT EXCEED 300 FT.)
- (EDMX) (DO) (1) BELDEN #9829 (GREY JACKET) CABLE: DMX-512
(DT) (DO NOT EXCEED 1000 FT.)
- (VN) (1) BELDEN #1583A (GREEN JACKET) CABLE: VISION.NET
(DO NOT EXCEED 1000 FT.)
- (EM) (24) 20 AMP 2-WIRE EMERGENCY CIRCUITS
- (FA) (2) #16 AWG CONTROL WIRES: DRY CONTACT CLOSURE FROM FIRE ALARM CONTROL PANEL (DO NOT EXCEED 300 FT.)
- (N) (1) BELDEN #1583A (BLUE JACKET) CABLE: NETWORK
(DO NOT EXCEED 300 FT.)

CATEGORY 5 ETHERNET NOTES:

USE ONLY CERTIFIED CATEGORY 5 CABLE, BELDEN #1583A (BLUE JACKET RECOMENDED). NO DAISY CHAINING, SUBSTITUTIONS, OR SPLICING ALLOWED. TOTAL LENGTH OF ANY CABLE NOT TO EXCEED 300 FT. IF ANY CABLE EXCEEDS 300 FEET ADDITIONAL NETWORKING HARDWARE AND ENGINEERING CHANGES FROM STRAND LIGHTING (AT AN ADDITIONAL CHARGE) MAY BE REQUIRED. THIS CABLE MUST BE INSTALLED AND TERMINATED IN COMPLIANCE WITH TIA/EIA-568 STANDARDS FOR CATEGORY 5 CABLING. TERMINATIONS ARE TO BE MADE USING THE 568B COLOR CODE. ELECTRICAL CONTRACTOR TO CERTIFY ALL CATEGORY 5 CABLES AND TERMINATIONS.

- (PS) (4) #14 WIRES - (ϕ A, ϕ B, ϕ C, N) - PHASE SENSING
- (SC) (2) #18 WIRES: PHASE SENSE CONTACT SIGNAL
(DRY CONTACT CLOSURE)
(DO NOT EXCEED 500 FT.)

Strand Lighting

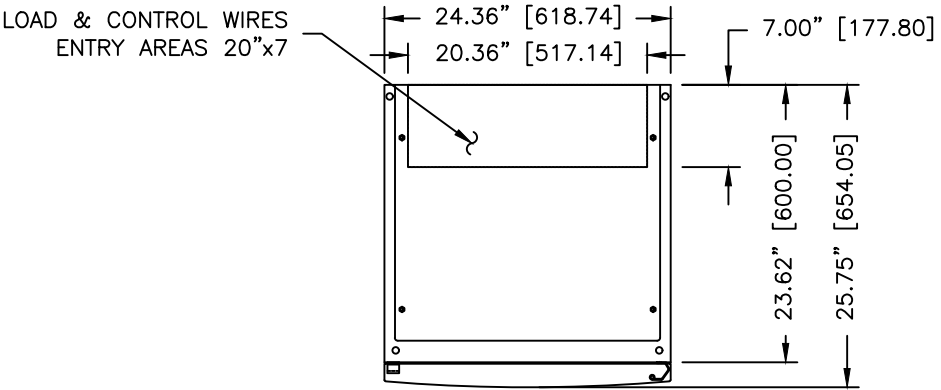
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DESIGNER	ENGINEER	JOB NAME		SYSTEM	
DRAWN BY	DATE	GARRETT COLLEGE		PROSCENIUM THEATRE	
CC	12/07/20	MCHENRY, MARYLAND			
APPROD BY	DATE	STRAND P/N	TITLE	DRAWING NO.	REV
			NOTES, WIRE SCHEDULE AND SYSTEM ACCESSORIES	739460-101C	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE:	SIZE B	SCALE N.T.S.	SHEET 1 OF 1	
	.XX $\pm$.010 .XXX $\pm$.005				
DO NOT SCALE DRAWING					

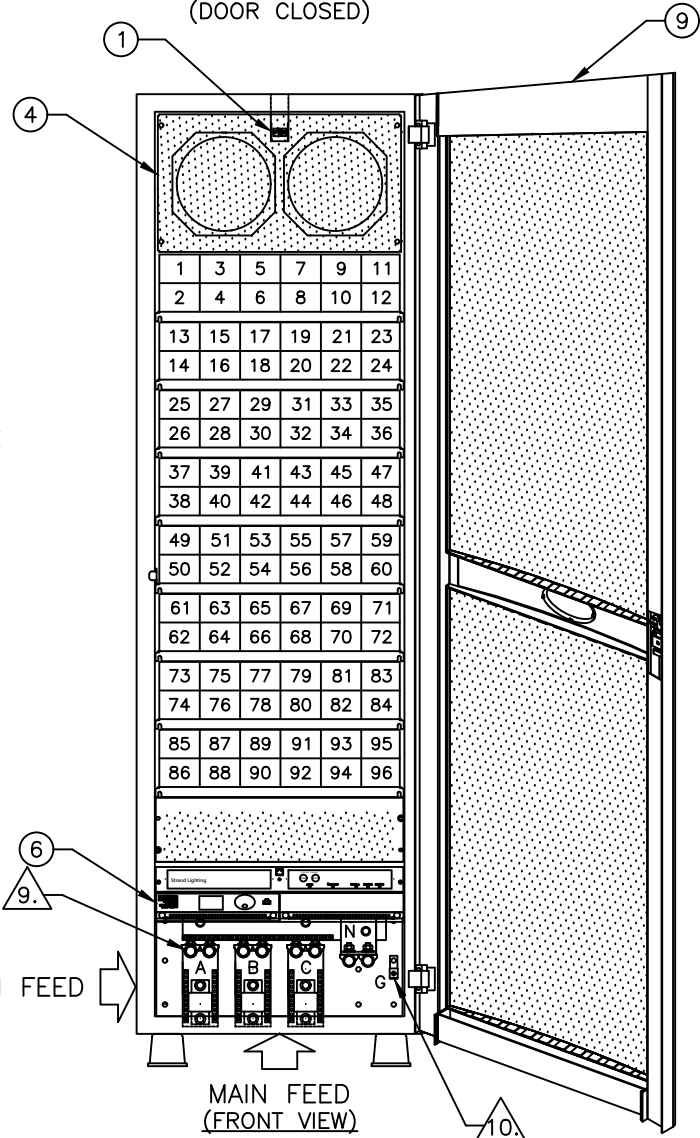
ITEMS:

- ① THERMAL SENSOR BRACKET
- ② DIMMER MODULES
- ③ MODULE TRAYS
- ④ FAN MODULE
- ⑤ C.I.C. BOARD
- ⑥ PROCESSOR MODULE; SEE B.O.M. (SHIPS SEPARATELY)
- ⑦ FEED WIRING CHAMBER
- ⑧ 3 PHASE 4 WIRE MAIN BUS (SHORT CIRCUIT CURRENT RATING = 100KA)
- ⑨ HINGED REMOVABLE DOOR
- ⑩ RJ45 ETHERNET JACK
- ⑪ AMP TRAP, 800A S.L. #3-006029-010 (1 REQUIRED PER PHASE)

- ⑫ BUSS SIDE ACCESS PANEL 7.00"x19.75" [178.00x482.00] BOTH SIDES



TOP VIEW
(DOOR CLOSED)



BUSS ACCESS PANEL
REMOVED FOR CLARITY

KEY:

- ## DUAL 2.4Kw
- ## WIRED SPACE

NOTES:

- DIMMER RACK IS CONSTRUCTED OF A STEEL FRAME, WELDED AND BOLTED CONSTRUCTION WITH A FORMED DOOR AND SIDE PANELS. IT IS PRIMED AND FINISHED IN A FINE TEXTURE, SCRATCH RESISTANT SEMI-GLOSS GRAY ENAMEL POWDER COAT.
- TYPICAL DIMMER RACKS GENERATE APPROXIMATELY 4 PERCENT OF THEIR CONNECTED LOAD AS HEAT OUTPUT. ROOMS WHERE THIS EQUIPMENT IS INSTALLED MUST HAVE CLIMATE CONTROL WHICH SHOULD MAINTAIN A TEMPERATURE NOT EXCEEDING 95 DEGREES FAHRENHEIT (35 DEGREES CELSIUS) WHEN THE EQUIPMENT IS IN OPERATION.
- COOLING FAN AND DIMMER MODULE CHOKE NOISE MAY BE ACOUSTICALLY OBJECTIONABLE. DIMMER RACKS SHOULD BE INSTALLED AWAY FROM PERFORMANCE, STAGE AND AUDIENCE AREAS
- DIMMER RACKS SHOULD BE INSTALLED PER THE NATIONAL ELECTRICAL CODE AND ALL LOCAL BUILDING CODES AND REGULATIONS.
- ALL LOAD CIRCUITS MUST BE TWO WIRE AND GROUND. NO SHARED NEUTRALS WILL BE ALLOWED ON ANY LOAD CIRCUIT.
- BLANK MODULES MUST BE USED WHENEVER DIMMER MODULES ARE NOT INSTALLED TO MAINTAIN ADEQUATE AIR FLOW AND PROTECT THE END USERS FROM LIVE ELECTRICAL HAZARDS.
- IF THIS DIMMER RACK CONTAINS PHASE ANGLE SCR DIMMER MODULES, IT SHOULD BE CONSIDERED A NONLINEAR LOAD THAT WILL GENERATE HARMONIC NEUTRAL CURRENTS. THE DESIGN OF THE SUPPORTING ELECTRICAL SYSTEM SHOULD ANTICIPATE THIS REQUIREMENT.
- DIMMER RACK IS DESIGNED FOR FRONT ACCESS WIRING, WITH BOTTOM (OR SIDE) FED FEEDER/LINE WIRING AND TOP FED CIRCUIT/LOAD WIRING.
- (2) 500 KCMIL BURNDY COMPRESSION UNINSULATED COPPER COMPRESSION LUGS (BURNDY #YA34-L6) ARE PROVIDED FOR EACH PHASE BUSS AND NEUTRAL BUSS BAR FOR CONTRACTOR FEEDER CONNECTION.
- (1) COPPER GROUND LUG (ILSCO #SLU-125) PROVIDED. WIRE RANGE: 1/0-6 STR.

E.T.L.: LISTED:
DIMMER RACK: ETL FILE NO.: 2000851
DIMMER MODULES: ETL FILE NO.: 2000851

CONTROL PROCESSOR		
QTY.	CAT. NO.	DESCRIPTION
1	76700	C21 ADVANCED CONTROL ELECTRONICS PROCESSOR ASSEMBLY WITH SINGLE ELECTRONICS

DIMMER MODULES		
QTY.	CAT. NO.	DESCRIPTION
48	76563BPR	20A DUAL SSR POWER THROUGH MODULE. DIM/ND/BYPASS

SPARES KIT		
QTY.	CAT. NO.	DESCRIPTION
1	76524	DIMMER RACK SPARES KIT

ADDITIONAL SPARE HARDWARE		
QTY.	CAT. NO.	DESCRIPTION
2	76563BPR	20A DUAL SSR POWER THROUGH MODULE. DIM/ND/BYPASS
1	76705	C21 ADVANCED CONTROL ELECTRONICS PROCESSOR

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APPVD	DWN	REV	DATE	REV DESCRIPTION

Strand Lighting

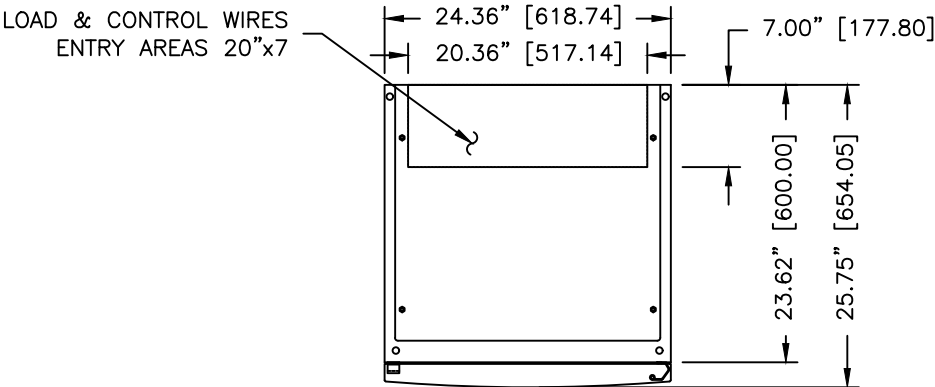
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DESIGNER	ENGINEER	JOB NAME		SYSTEM	
DRAWN BY CC	DATE 12/07/20	GARRETT COLLEGE MCHENRY, MARYLAND		PROSCENIUM THEATRE	
APPVD BY	DATE	STRAND P/N 75503/120	TITLE C21 RACK "DR-01"	DRAWING NO. 739460-102	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B	SCALE 1:16

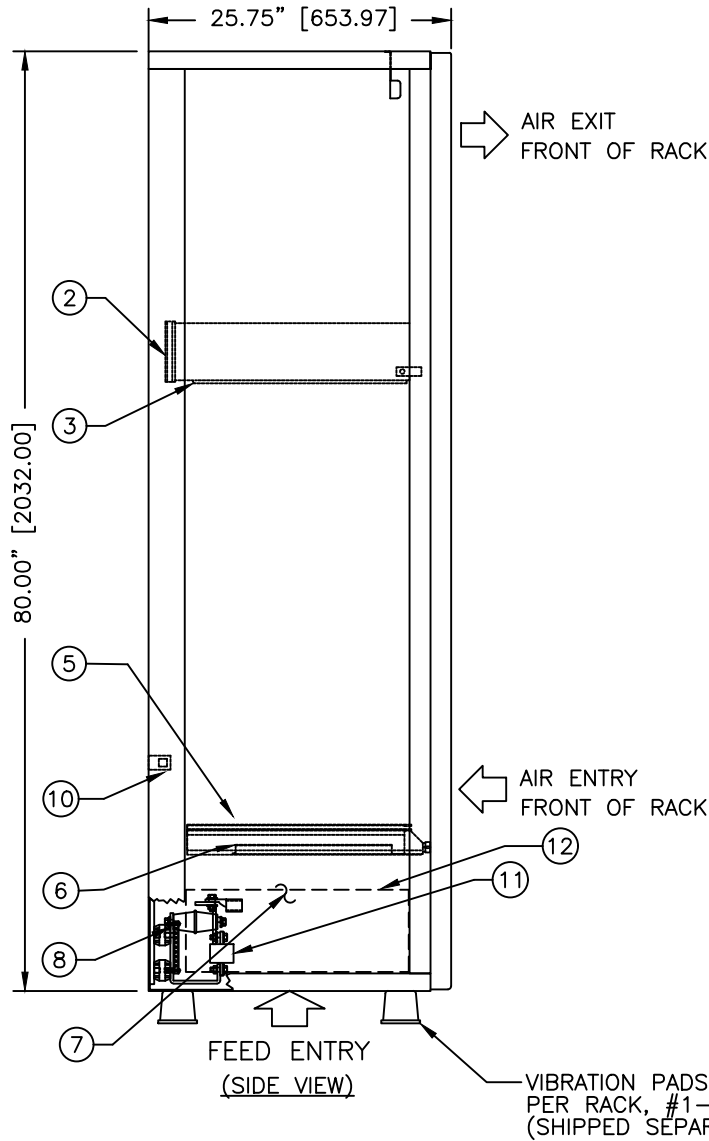
ITEMS:

- 1 THERMAL SENSOR BRACKET
- 2 DIMMER MODULES
- 3 MODULE TRAYS
- 4 FAN MODULE
- 5 C.I.C. BOARD
- 6 PROCESSOR MODULE; SEE B.O.M. (SHIPS SEPARATELY)
- 7 FEED WIRING CHAMBER
- 8 3 PHASE 4 WIRE MAIN BUS (SHORT CIRCUIT CURRENT RATING = 100KA)
- 9 HINGED REMOVABLE DOOR
- 10 RJ45 ETHERNET JACK
- 11 AMP TRAP, 800A S.L. #3-006029-010 (1 REQUIRED PER PHASE)

12 BUSS SIDE ACCESS PANEL 7.00"x19.75" [178.00x482.00] BOTH SIDES



TOP VIEW (DOOR CLOSED)



AIR EXIT FRONT OF RACK

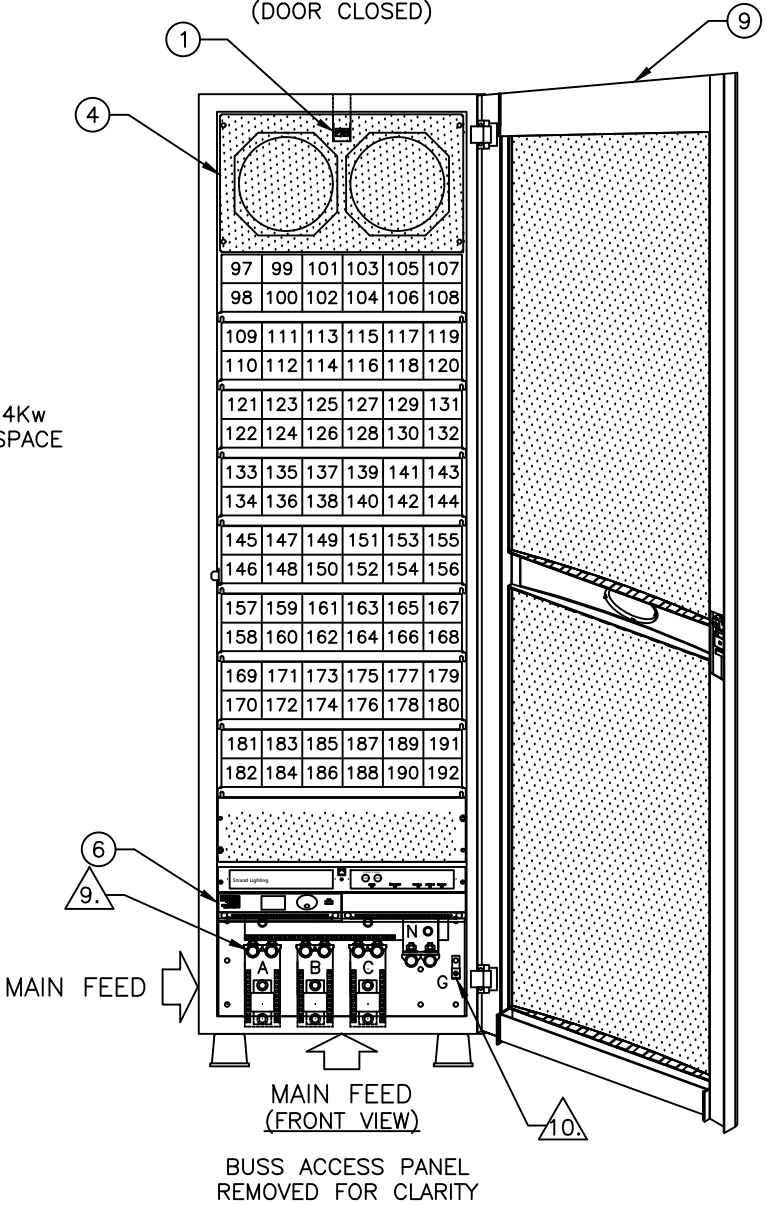
AIR ENTRY FRONT OF RACK

FEED ENTRY (SIDE VIEW)

VIBRATION PADS (4) PER RACK, #1-259-0009 (SHIPPED SEPARATELY)

KEY:

- ## DUAL 2.4Kw
- ## WIRED SPACE



MAIN FEED (FRONT VIEW)

BUSS ACCESS PANEL REMOVED FOR CLARITY

NOTES:

- DIMMER RACK IS CONSTRUCTED OF A STEEL FRAME, WELDED AND BOLTED CONSTRUCTION WITH A FORMED DOOR AND SIDE PANELS. IT IS PRIMED AND FINISHED IN A FINE TEXTURE, SCRATCH RESISTANT SEMI-GLOSS GRAY ENAMEL POWDER COAT.
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- (1) COPPER GROUND LUG (ILSCO #SLU-125) PROVIDED. WIRE RANGE: 1/0-6 STR.

E.T.L.: LISTED:
DIMMER RACK: ETL FILE NO.: 2000851
DIMMER MODULES: ETL FILE NO.: 2000851

CONTROL PROCESSOR		
QTY.	CAT. NO.	DESCRIPTION
1	76700	C21 ADVANCED CONTROL ELECTRONICS PROCESSOR ASSEMBLY WITH SINGLE ELECTRONICS

DIMMER MODULES		
QTY.	CAT. NO.	DESCRIPTION
48	76563BPR	20A DUAL SSR POWER THROUGH MODULE. DIM/ND/BYPASS

SPARES KIT		
QTY.	CAT. NO.	DESCRIPTION
1	76524	DIMMER RACK SPARES KIT

ADDITIONAL SPARE HARDWARE		
QTY.	CAT. NO.	DESCRIPTION
2	76563BPR	20A DUAL SSR POWER THROUGH MODULE. DIM/ND/BYPASS

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APPVD	DWN	REV	DATE	REV DESCRIPTION

Strand Lighting

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DESIGNER	ENGINEER	JOB NAME		SYSTEM
DRAWN BY CC	DATE 12/07/20	GARRETT COLLEGE MCHENRY, MARYLAND		PROSCENIUM THEATRE
APPD BY	DATE	STRAND P/N 75503/120	TITLE C21 RACK "DR-02"	DRAWING NO. 739460-103
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B SCALE 1:16 SHEET 1 OF 1	REV

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C21 CABINET SCHEDULE

CABINET ID: "DR-02"

Module Number	Module Part Number	Single Dual	Module Type	Phase	Dimmer Rating	Total Watts	Circuit Number	VISION.NET CONTROL		DMX#	Circuit Description	Wiring Device Number	Emergency
								ID:_____					
								Room	Channel				
1	76563BPR	D	DIM N/D BYPASS	A	2.4KW		97			97	STAGE LIGHTING	WD 16	
					2.4KW		98			98	STAGE LIGHTING	WD 16	
2	76563BPR	D	DIM N/D BYPASS	B	2.4KW		99			99	STAGE LIGHTING	WD 17	
					2.4KW		100			100	STAGE LIGHTING	WD 17	
3	76563BPR	D	DIM N/D BYPASS	C	2.4KW		101			101	STAGE LIGHTING	WD 17	
					2.4KW		102			102	STAGE LIGHTING	WD 17	
4	76563BPR	D	DIM N/D BYPASS	A	2.4KW		103			103	STAGE LIGHTING	WD 17	
					2.4KW		104			104	STAGE LIGHTING	WD 17	
5	76563BPR	D	DIM N/D BYPASS	B	2.4KW		105			105	STAGE LIGHTING	WD 17	
					2.4KW		106			106	STAGE LIGHTING	WD 17	
6	76563BPR	D	DIM N/D BYPASS	C	2.4KW		107			107	STAGE LIGHTING	WD 17	
					2.4KW		108			108	STAGE LIGHTING	WD 17	
7	76563BPR	D	DIM N/D BYPASS	A	2.4KW		109			109	STAGE LIGHTING	WD 17	
					2.4KW		110			110	STAGE LIGHTING	WD 17	
8	76563BPR	D	DIM N/D BYPASS	B	2.4KW		111			111	STAGE LIGHTING	WD 18	
					2.4KW		112			112	STAGE LIGHTING	WD 18	
9	76563BPR	D	DIM N/D BYPASS	C	2.4KW		113			113	STAGE LIGHTING	WD 18	
					2.4KW		114			114	STAGE LIGHTING	WD 18	
10	76563BPR	D	DIM N/D BYPASS	A	2.4KW		115			115	STAGE LIGHTING	WD 18	
					2.4KW		116			116	STAGE LIGHTING	WD 18	
11	76563BPR	D	DIM N/D BYPASS	B	2.4KW		117			117	STAGE LIGHTING	WD 18	
					2.4KW		118			118	STAGE LIGHTING	WD 18	
12	76563BPR	D	DIM N/D BYPASS	C	2.4KW		119			119	STAGE LIGHTING	WD 18	
					2.4KW		120			120	STAGE LIGHTING	WD 18	
13	76563BPR	D	DIM N/D BYPASS	A	2.4KW		121			121	STAGE LIGHTING	WD 19	
					2.4KW		122			122	STAGE LIGHTING	WD 19	
14	76563BPR	D	DIM N/D BYPASS	B	2.4KW		123			123	STAGE LIGHTING	WD 19	
					2.4KW		124			124	STAGE LIGHTING	WD 19	
15	76563BPR	D	DIM N/D BYPASS	C	2.4KW		125			125	STAGE LIGHTING	WD 19	
					2.4KW		126			126	STAGE LIGHTING	WD 19	
16	76563BPR	D	DIM N/D BYPASS	A	2.4KW		127			127	STAGE LIGHTING	WD 19	
					2.4KW		128			128	STAGE LIGHTING	WD 19	
17	76563BPR	D	DIM N/D BYPASS	B	2.4KW		129			129	STAGE LIGHTING	WD 19	
					2.4KW		130			130	STAGE LIGHTING	WD 19	
18	76563BPR	D	DIM N/D BYPASS	C	2.4KW		131			131	STAGE LIGHTING	WD 19	
					2.4KW		132			132	STAGE LIGHTING	WD 19	
19	76563BPR	D	DIM N/D BYPASS	A	2.4KW		133			133	STAGE LIGHTING	WD 19	
					2.4KW		134			134	STAGE LIGHTING	WD 19	
20	76563BPR	D	DIM N/D BYPASS	B	2.4KW		135			135	STAGE LIGHTING	WD 19	
					2.4KW		136			136	STAGE LIGHTING	WD 19	
21	76563BPR	D	DIM N/D BYPASS	C	2.4KW		137			137	STAGE LIGHTING	WD 19	
					2.4KW		138			138	STAGE LIGHTING	WD 19	
22	76563BPR	D	DIM N/D BYPASS	A	2.4KW		139			139	STAGE LIGHTING	WD 20	
					2.4KW		140			140	STAGE LIGHTING	WD 20	
23	76563BPR	D	DIM N/D BYPASS	B	2.4KW		141			141	STAGE LIGHTING	WD 20	
					2.4KW		142			142	STAGE LIGHTING	WD 20	
24	76563BPR	D	DIM N/D BYPASS	C	2.4KW		143			143	STAGE LIGHTING	WD 20	
					2.4KW		144			144	STAGE LIGHTING	WD 20	

CUSTOMER TO VERIFY CIRCUIT SCHEDULE

CUSTOMER TO VERIFY COMPATIBILITY OF DIMMER MODULES WITH LOAD TYPE

NOTE: FOR PROPER OPERATION WITH STRAND LIGHTING DIMMING SYSTEMS, A MARK 10 "USER" CURVE MUST BE PROGRAMMED IN THE STRAND LIGHTING DIMMER RACK PROCESSOR FOR EVERY CIRCUIT CONTROLLING A MARK 10 BALLAST. PLEASE CONSULT YOUR STRAND LIGHTING USER'S MANUAL ON THE PROPER METHOD TO PROGRAM A CUSTOM USER CURVE. STRAND USER MANUALS MAY BE DOWNLOADED AT WWW.STRANDLIGHTING.COM.

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DESIGNER		ENGINEER		JOB NAME				SYSTEM	
DRAWN BY		DATE		GARRETT COLLEGE MCHENRY, MARYLAND				PROSCENIUM THEATRE	
CC		12/07/20							
APPRD BY		DATE		STRAND P/N			TITLE		
							C21 RACK "DR-02" CIRCUIT SCHEDULE		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES ARE:		.XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING		SIZE B	SCALE N.T.S.	SHEET 1 OF 1
APPVD		DWN		REV		DATE		REV DESCRIPTION	

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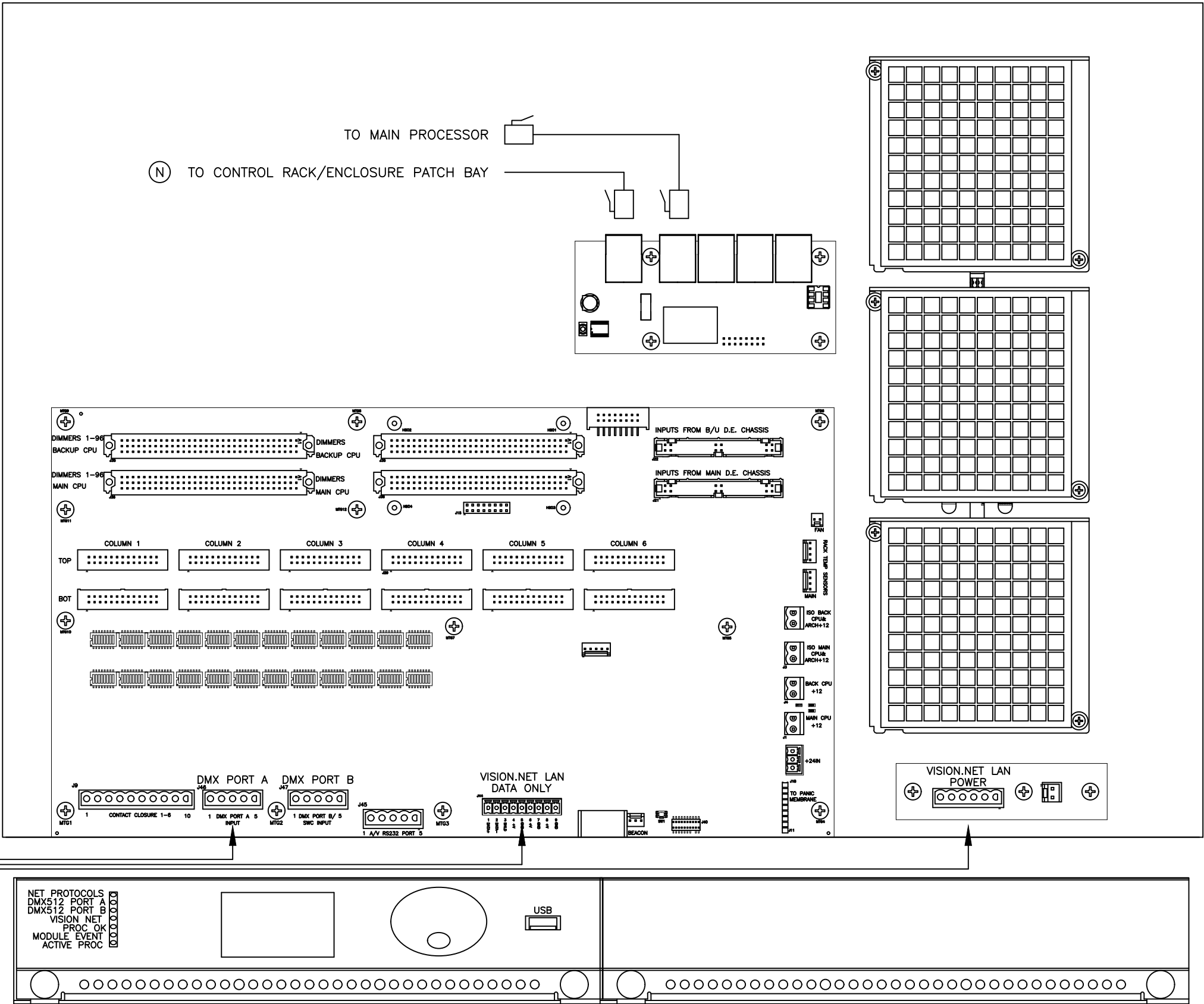
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PORT A DMX WIRING SCHEDULE BELDEN #9829			
PIN#	FUNCTION	PAIR	COLOR
1	GND		DRAIN
2	DATA-	PAIR 1	WHT/BLU
3	DATA+		BLU/WHT
4	N/C	PAIR 2	WHT/ORG
5	N/C		ORG/WHT

VISION.NET BELDEN #1583A		
PIN#	FUNCTION	COLOR
1	DATA+	WHITE W/ ORANGE
2	DATA-	ORANGE
3		
4	+ 24 VDC	WHITE W/ GREEN
5	SIGNAL GND	GREEN
6	+ 24 VDC	WHITE W/ BLUE
7	SIGNAL GND	BLUE
8	+ 24 VDC	WHITE W/ BROWN
9	SIGNAL GND	BROWN



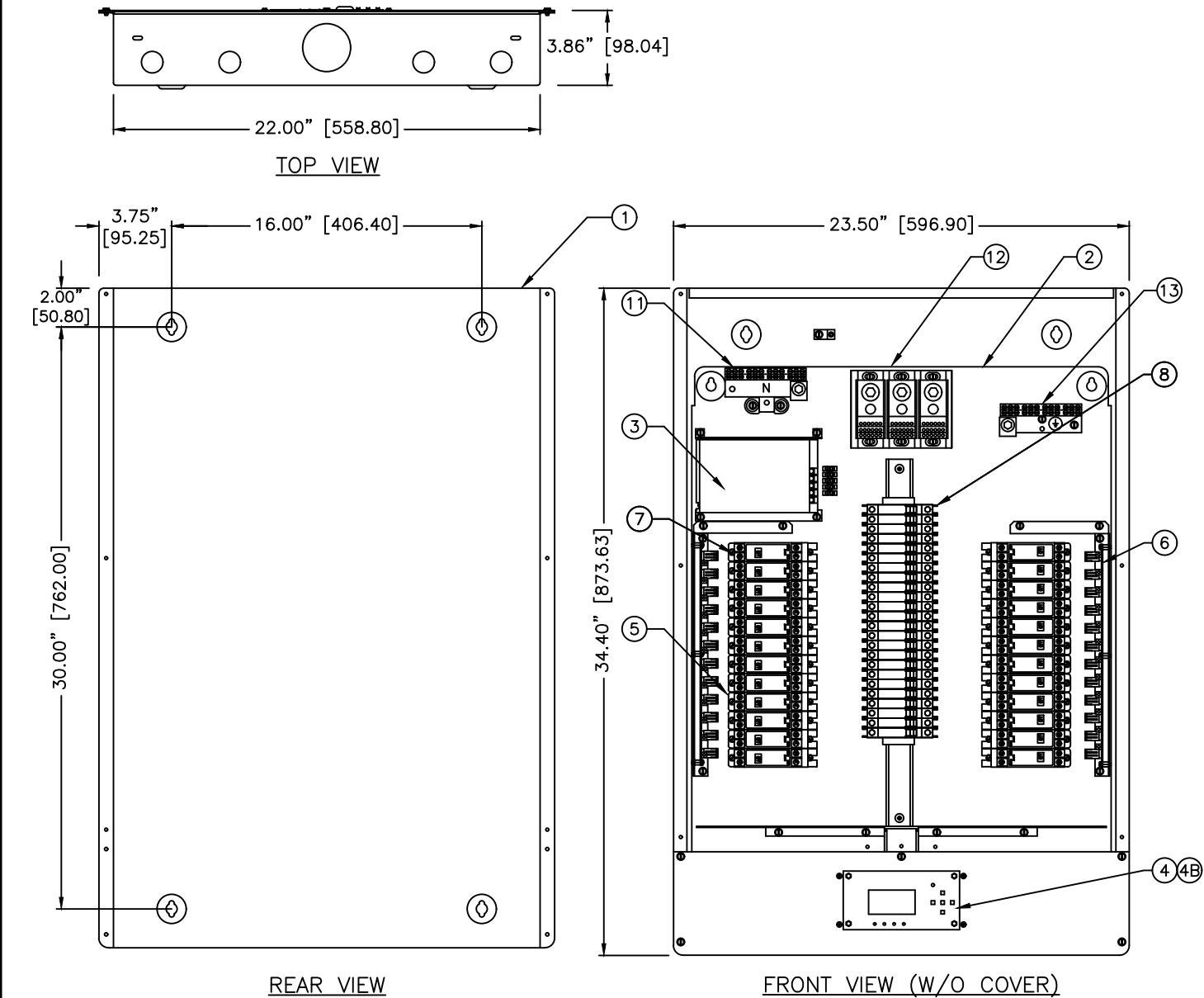
APPVD	DWN	REV	DATE	REV DESCRIPTION

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DESIGNER	ENGINEER	JOB NAME		SYSTEM	
DRAWN BY CC	DATE 12/07/20	GARRETT COLLEGE MCHENRY, MARYLAND		PROSCENIUM THEATRE	
APPROD BY	DATE	STRAND P/N	TITLE	DRAWING NO.	REV
			C21 ACE PROCESSOR WIRING "DR-01 & "DR-02"	739460-103C	
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: .XX ± .010 DO NOT SCALE DRAWING		SIZE B	SCALE N.T.S.	SHEET 1 OF 1	

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- | | |
|--|--|
| ① 24 CIRCUIT ENCLOSURE (#CONBOX-3) | ⑦ RELAY, 1-POLE (#76991) OCCUPIES ONE SLOT |
| ② RELAY INSERT PANEL WITH BREAKERS, 24-WAY (#76921C) | ⑧ SINGLE POLE CIRCUIT BREAKER |
| ③ PROCESSOR POWER SUPPLY, 100-240 VAC/+24V, 2.5A | ⑨ NOT USED |
| ④ MASTER PROCESSOR PCB (#76962) | ⑩ NOT USED |
| ④A NOT USED | ⑪ NEUTRAL BUS, 350 MCM - #6 AWG MAIN LUG WITH 24 #4 AWG - #14 AWG CIRCUITS |
| ④B NETWORK CARD - NOT SHOWN (#74261) | ⑫ 3 POLE POWER DISTRIBUTION BLOCK RATED FOR 250A, 350 MCM - #6 AWG |
| ⑤ RELAY SLOTS (24 SLOTS PER CABINET) | ⑬ GROUND BUS, 350 MCM - #6 AWG MAIN LUG WITH 24 #4 AWG - #14 AWG CIRCUITS |
| ⑥ RELAY CONTROL PCB (#70-1745) | |

24 CIRCUIT RELAY CABINET WITH 120V BREAKERS CONFIGURATION OPTIONS

POWER FEED	THIS CABINET IS 120/208V POWER FEED ONLY
PROCESSOR	■ 76962 MASTER CONTROL □ 76963 AUXILIARY CONTROL
NETWORK CAPABILITY	■ 74261 NETWORK CARD □ NO NETWORK CARD
UL924 SYSTEM KIT	UL924 SYSTEM KIT INCLUDES SOFTWARE UPGRADE FACTORY TESTING AND UL924 LABELING □ 76924 UL924 KIT ■ NO UL924 KIT
SINGLE POLE RELAY	SINGLE POLE RELAY (24 SLOTS AVAILABLE) ■ (24) 76991 1-POLE RELAYS WITH MATCHING 76966 20A 120V CIRCUIT BREAKER(S) □ (—) 76991 1-POLE RELAY(S) WITH MATCHING 76964 15A 120V CIRCUIT BREAKER(S) □ NO SINGLE POLE RELAYS ARE REQUIRED
DOUBLE POLE RELAY	DOUBLE POLE RELAY (OCCUPIES TWO SLOTS) □ (—) 76992 2-POLE RELAY(S) WITH MATCHING 76967 20A 120V CIRCUIT BREAKER(S) ■ NO DOUBLE POLE RELAYS ARE REQUIRED

CONTACT CONTROL LIGHTING PANEL:

1. LOW VOLTAGE RELAY BASED CONTROL SYSTEM.
2. REMOVABLE COVER ALLOWS ACCESS TO ALL AC AND LOW VOLTAGE WIRING.
3. INDIVIDUAL 20 AMP AROMAT PLUG-IN MECHANICALLY LATCHING RELAYS AVAILABLE IN SINGLE AND DOUBLE POLE. RELAYS RATED 20 AMP AT 347 VOLTS.
4. LOCAL PUSH BUTTON TEST SWITCHES FOR EACH RELAY.
5. FULL VISION.NET ARCHITECTURAL CONTROL SYSTEM SUPPORT WITH INTERNAL TIME CLOCK.
6. CONFIGURATION VIA LOCAL LCD SCREEN OR REMOTE SETUP VIA PERSONAL COMPUTER.
7. DMX512, VISION.NET, PANIC, AND ETHERNET (OPTIONAL) CONNECTIVITY.
8. UL924 LISTED EMERGENCY CONTACT INPUT.
9. ETL LISTED.

Strand Lighting

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DESIGNER	ENGINEER	JOB NAME		SYSTEM	
DRAWN BY CC	DATE 12/07/20	GARRETT COLLEGE MCHENRY, MARYLAND		PROSCENIUM THEATRE	
APPROD BY	DATE	STRAND P/N 76921C	TITLE CONTACT RELAY PANEL "LRP1A"	DRAWING NO. 739460-104	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B	SCALE 1:8
		SHEET 1	OF 1		

PANEL ID: "LRP1A"

RELAY#	PHASE	CIRCUIT#	VISION.NET CONTROL		DMX#	DESCRIPTION	EM
			ID: _____				
			ROOM	CHANNEL			
1	A	1				EM LIGHTS VESTIBULE	X
2	B	2				EM LIGHTS SLL 809	X
3	C	3				EM LIGHTS LOBBY	X
4	A	4				EM LIGHTS CONTROL RM CORRIDOR	X
5	B	5				EM LIGHTS LOBBY	X
6	C	6				EM STAGE WORKLIGHTS	X
7	A	7				EM LTS WALL WASH CORRIDOR 800B	X
8	B	8				EM FLY GALLERY LIGHTS	X
9	C	9				EM LIGHTS CORRIDOR	X
10	A	10				EM AUDIENCE CHAMBER LIGHTS	X
11	B	11				EM SLL LIGHTING	X
12	C	12				EM AUDIENCE CHAMBER LIGHTS	X

PANEL ID: "LRP1A"

RELAY#	PHASE	CIRCUIT#	VISION.NET CONTROL		DMX#	DESCRIPTION	EM
			ID:_____				
			ROOM	CHANNEL			
13	A	13				EM SEATING LIGHTS	
14	B	14				EM AUDIENCE CHAMBER LIGHTS	
15	C	15				EM AISLE LIGHTS	
16	A	16				EM CATWALK WHITE LIGHTS	
17	B	17				EM AISLE LIGHTS	
18	C	18				EM LIGHTS ORCHESTRA PIT	
19	A	19				EM AISLE LIGHTS AUDIENCE CHAMBER	
20	B	20				EM ORCHESTRA PIT STEP LIGHTS	
21	C	21				EM STAGE LIGHTS	
22	A	22				SPARE	
23	B	23				EM LIGHTS CORRIDOR 850A	
24	C	24				SPARE	

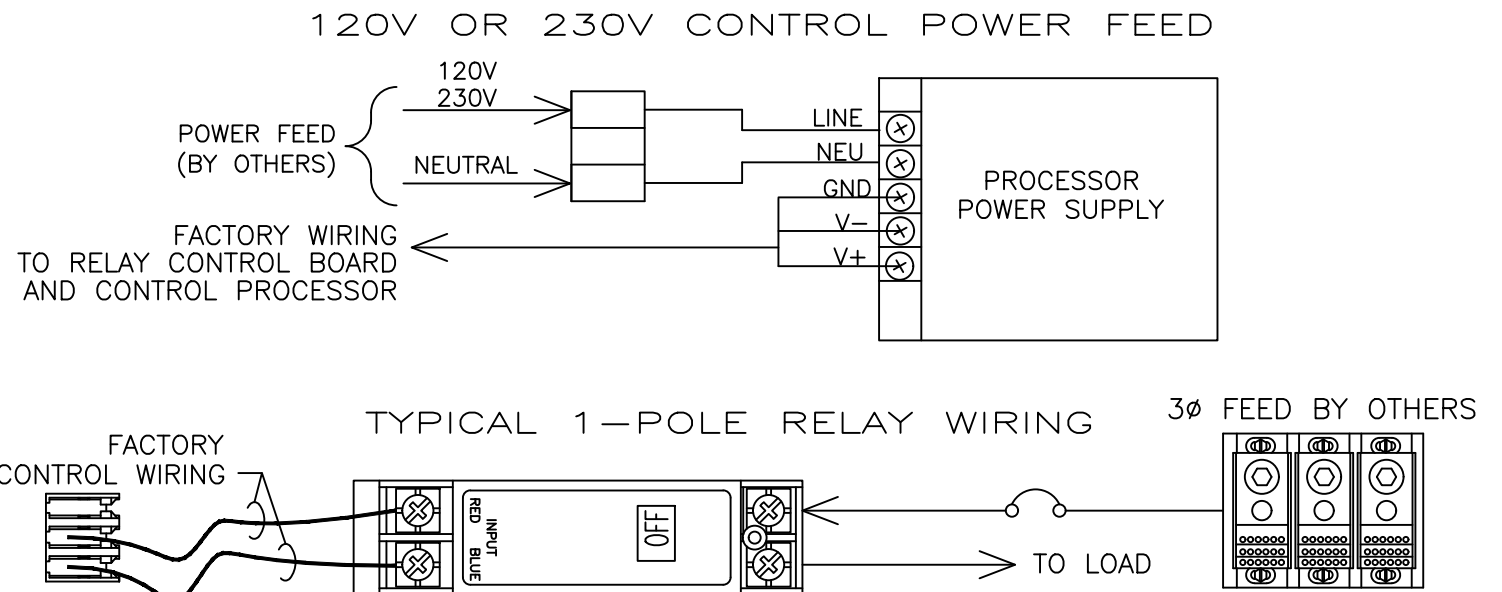
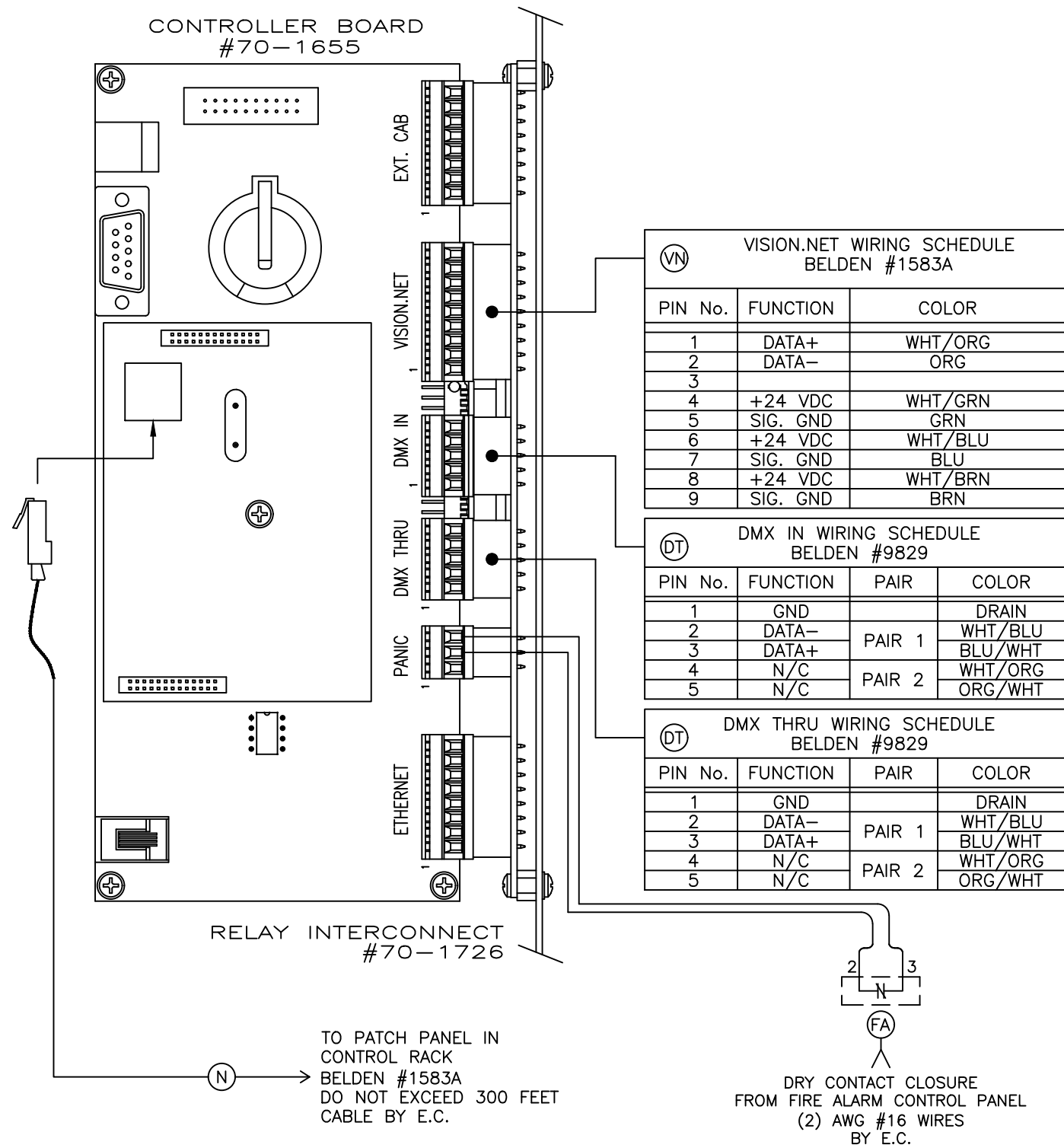
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DESIGNER		ENGINEER		JOB NAME				SYSTEM	
DRAWN BY CC		DATE 12/07/20		GARRETT COLLEGE MCHENRY, MARYLAND				PROSCENIUM THEATRE	
APPROVED BY		DATE		STRAND P/N		TITLE CONTACT RELAY PANEL "LRP1A"			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES ARE: X.XX ± .010 X.XXX ± .005		DO NOT SCALE DRAWING		SIZE B		SHEET 1 OF 1	
				SCALE N.T.S.		CIRCUIT SCHEDULE		DRAWING NO. 739460-104A	
								REV A	

CONTROL WIRING



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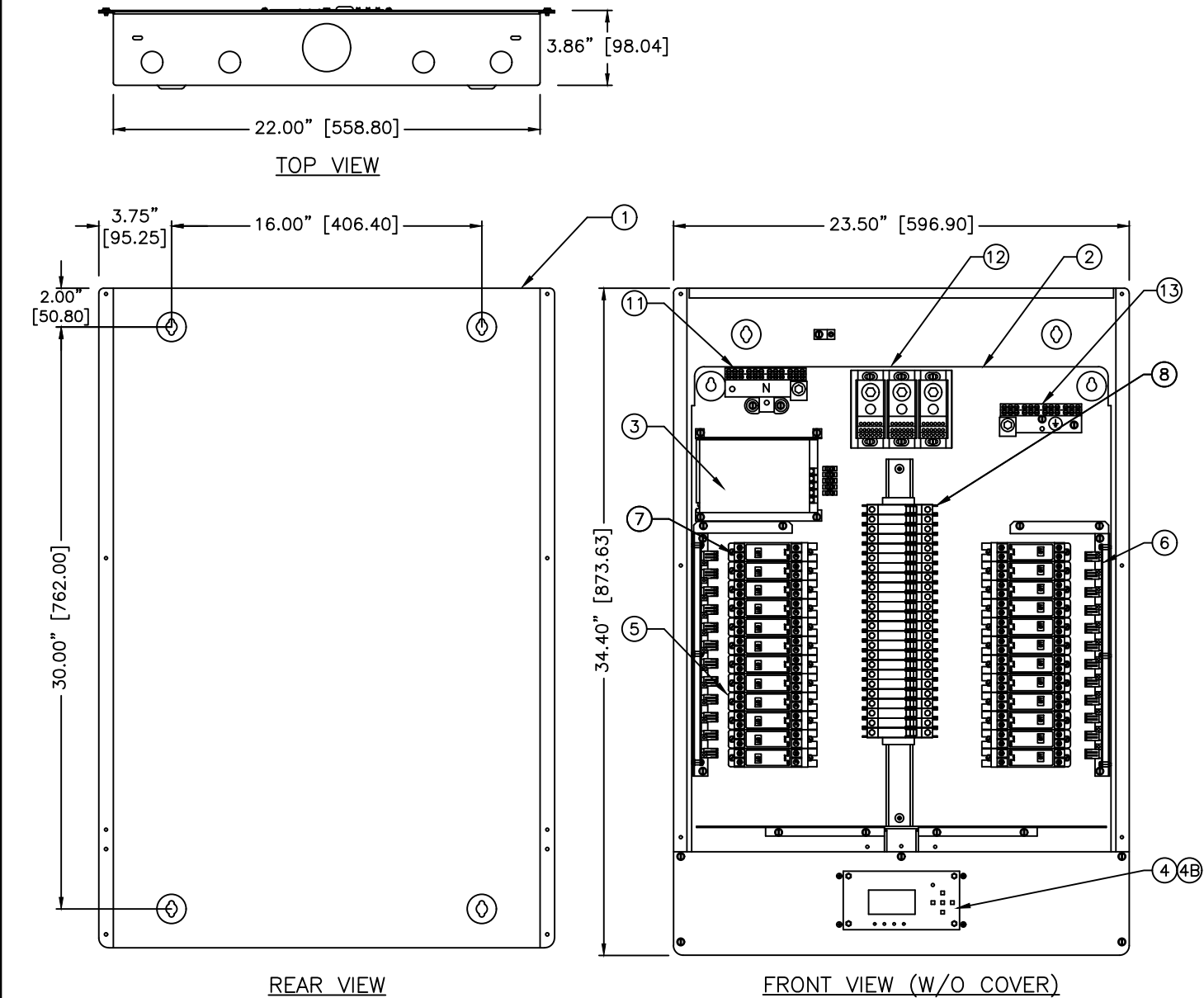
APPVD	DWN	REV	DATE	REV DESCRIPTION

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DESIGNER	ENGINEER	JOB NAME		SYSTEM
DRAWN BY CC	DATE 12/07/20	GARRETT COLLEGE MCHENRY, MARYLAND		PROSCENIUM THEATRE
APPVD BY	DATE	STRAND P/N	TITLE CONTACT RELAY PANEL "LRP1A" WIRING	DRAWING NO. 739460-104B
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B
		SCALE N.T.S.	SHEET 1 OF 1	REV

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- | | |
|--|--|
| ① 24 CIRCUIT ENCLOSURE (#CONBOX-3) | ⑦ RELAY, 1-POLE (#76991) OCCUPIES ONE SLOT |
| ② RELAY INSERT PANEL WITH BREAKERS, 24-WAY (#76921C) | ⑧ SINGLE POLE CIRCUIT BREAKER |
| ③ PROCESSOR POWER SUPPLY, 100-240 VAC/+24V, 2.5A | ⑨ NOT USED |
| ④ MASTER PROCESSOR PCB (#76962) | ⑩ NOT USED |
| ④A NOT USED | ⑪ NEUTRAL BUS, 350 MCM - #6 AWG MAIN LUG WITH 24 #4 AWG - #14 AWG CIRCUITS |
| ④B NETWORK CARD - NOT SHOWN (#74261) | ⑫ 3 POLE POWER DISTRIBUTION BLOCK RATED FOR 250A, 350 MCM - #6 AWG |
| ⑤ RELAY SLOTS (24 SLOTS PER CABINET) | ⑬ GROUND BUS, 350 MCM - #6 AWG MAIN LUG WITH 24 #4 AWG - #14 AWG CIRCUITS |
| ⑥ RELAY CONTROL PCB (#70-1745) | |

24 CIRCUIT RELAY CABINET WITH 120V BREAKERS CONFIGURATION OPTIONS

POWER FEED	THIS CABINET IS 120/208V POWER FEED ONLY
PROCESSOR	■ 76962 MASTER CONTROL □ 76963 AUXILIARY CONTROL
NETWORK CAPABILITY	■ 74261 NETWORK CARD □ NO NETWORK CARD
UL924 SYSTEM KIT	UL924 SYSTEM KIT INCLUDES SOFTWARE UPGRADE FACTORY TESTING AND UL924 LABELING □ 76924 UL924 KIT ■ NO UL924 KIT
SINGLE POLE RELAY	SINGLE POLE RELAY (24 SLOTS AVAILABLE) ■ (24) 76991 1-POLE RELAYS WITH MATCHING 76966 20A 120V CIRCUIT BREAKER(S) □ (—) 76991 1-POLE RELAY(S) WITH MATCHING 76964 15A 120V CIRCUIT BREAKER(S) □ NO SINGLE POLE RELAYS ARE REQUIRED
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CONTACT CONTROL LIGHTING PANEL:

1. LOW VOLTAGE RELAY BASED CONTROL SYSTEM.
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4. LOCAL PUSH BUTTON TEST SWITCHES FOR EACH RELAY.
5. FULL VISION.NET ARCHITECTURAL CONTROL SYSTEM SUPPORT WITH INTERNAL TIME CLOCK.
6. CONFIGURATION VIA LOCAL LCD SCREEN OR REMOTE SETUP VIA PERSONAL COMPUTER.
7. DMX512, VISION.NET, PANIC, AND ETHERNET (OPTIONAL) CONNECTIVITY.
8. UL924 LISTED EMERGENCY CONTACT INPUT.
9. ETL LISTED.

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DRAWN BY	DATE	GARRETT COLLEGE MCHENRY, MARYLAND		PROSCENIUM THEATRE	
APPROD BY	DATE	STRAND P/N	TITLE	DRAWING NO.	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B	SCALE 1:8	SHEET 1 OF 1
		76921C	CONTACT RELAY PANEL "LRP1B"	739460-105	

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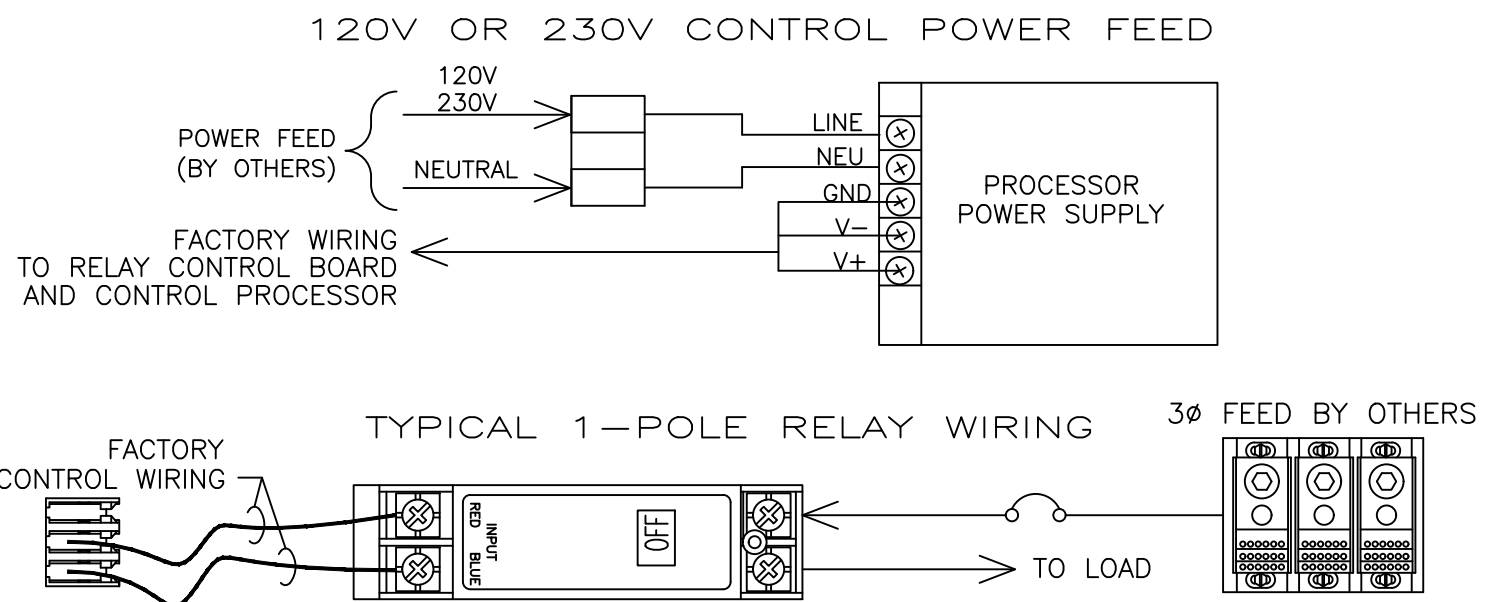
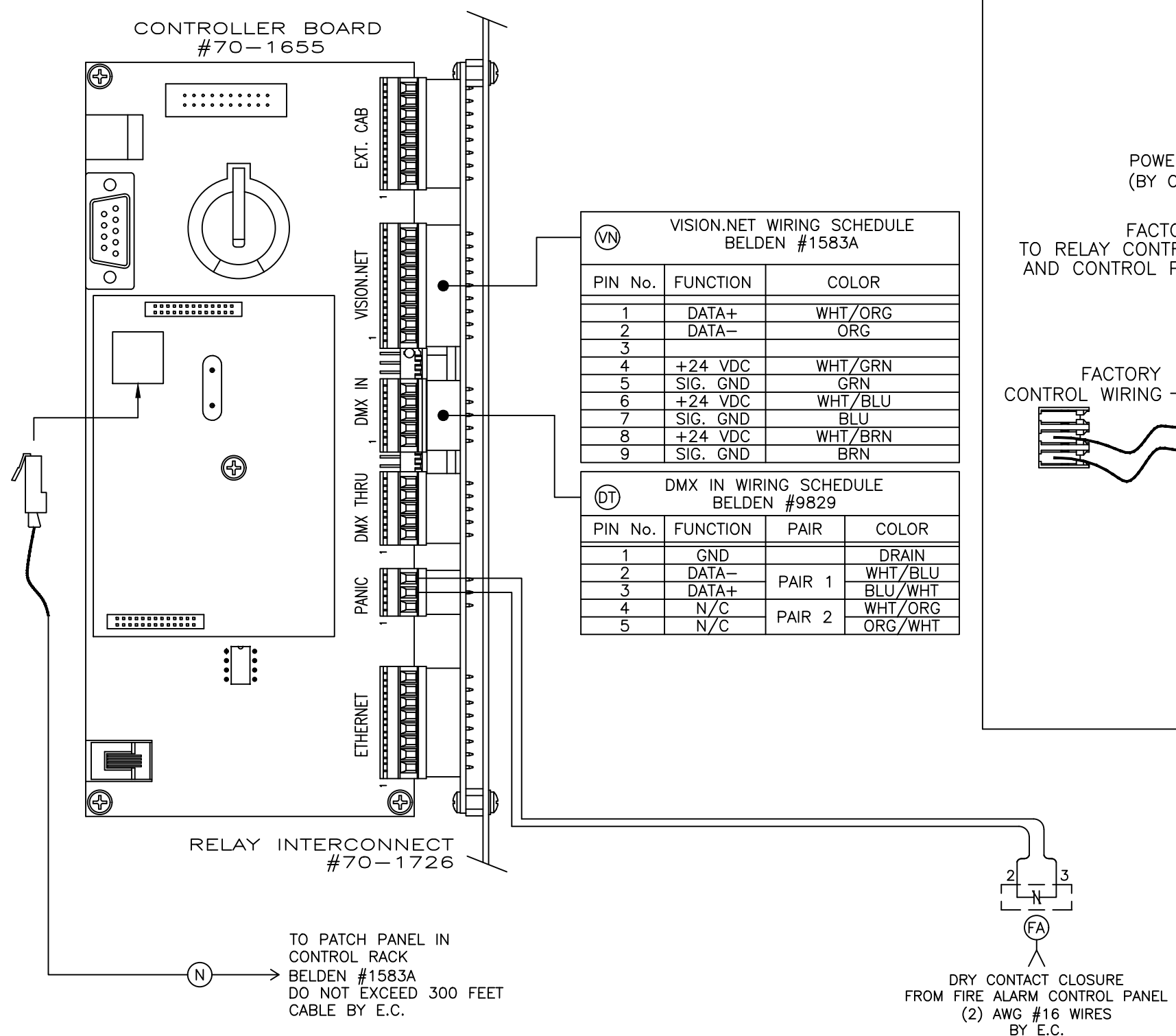
CONTACT RELAY PANEL SCHEDULE							CONTACT RELAY PANEL SCHEDULE						
PANEL ID: "LRP1B"							PANEL ID: "LRP1B"						
RELAY#	PHASE	CIRCUIT#	VISION.NET CONTROL		DMX#	DESCRIPTION	RELAY#	PHASE	CIRCUIT#	VISION.NET CONTROL		DMX#	DESCRIPTION
			ID:_____							ID:_____			
			ROOM	CHANNEL						ROOM	CHANNEL		
1	A	1				ACCENT LIGHTING	13	A	13				DOWNLIGHTS CORRIDOR 800B
2	B	2				ACCENT LIGHTS SLL 809	14	B	14				AUDIENCE CHAMBER LIGHTS
3	C	3				LOBBY LIGHTS	15	C	15				AUDIENCE CHAMBER DOWNLIGHTS
4	A	4				LIGHTS SLL 809	16	A	16				AUDIENCE CHAMBER LIGHTS
5	B	5				LOBBY LIGHTS	17	B	17				BLUE STAGE LIGHTS
6	C	6				BLUE LIGHTS CONTROL ROOM CORRIDOR	18	C	18				AUDIENCE CHAMBER LIGHTS
7	A	7				FACADE LIGHTING	19	A	19				BLUE WALL LIGHTS CORRIDOR
8	B	8				CATWALK BLUE LIGHTS	20	B	20				CORRIDOR ACCENT LIGHTS
9	C	9				CORRIDOR LIGHTS	21	C	21				ACCENT LIGHTS AUDIENCE CHAMBER
10	A	10				FLY GALLERY BLUE LIGHTS	22	A	22				FACADE LIGHTING
11	B	11				LIGHTS WALL WASH CORRIDOR 800B	23	B	23				AUDIENCE CHAMBER ACCENT LIGHTS
12	C	12				ACCENT LIGHTS AUDIENCE CHAMBER	24	C	24				SPARE

CUSTOMER TO VERIFY CIRCUIT SCHEDULE

						Strand Lighting THIS DOCUMENT IS THE CONFIDENTIAL PROPERTY OF STRAND LIGHTING AND IS LOANED SUBJECT TO RETURN UPON DEMAND. TITLE TO THIS DOCUMENT IS NEVER SOLD OR TRANSFERRED FOR ANY REASON. THIS DOCUMENT IS TO BE USED ONLY PURSUANT TO WRITTEN LICENSE OR WRITTEN INSTRUCTIONS OF STRAND LIGHTING. ALL RIGHTS TO DESIGNS AND INVENTIONS ARE RESERVED BY STRAND LIGHTING. POSSESSION OF THE DOCUMENT IS ACCEPTED SUBJECT TO THE FOREGOING.	DESIGNER	ENGINEER	JOB NAME			SYSTEM										
							DRAWN BY	DATE	GARRETT COLLEGE MCHENRY, MARYLAND			PROSCENIUM THEATRE										
							APPROD BY	DATE	STRAND P/N		TITLE											
	pr	A	03/24/21	FILLED IN CIRCUIT SCHEDULE							CONTACT RELAY PANEL "LRP1B" CIRCUIT SCHEDULE											
APPVD	DWN	REV	DATE	REV DESCRIPTION			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES ARE: .XX ± .010 .XXX ± .005		DO NOT SCALE DRAWING	SIZE	SCALE	N.T.S.	SHEET	1	OF	1	DRAWING NO.	739460-105A	REV	A

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CONTROL WIRING



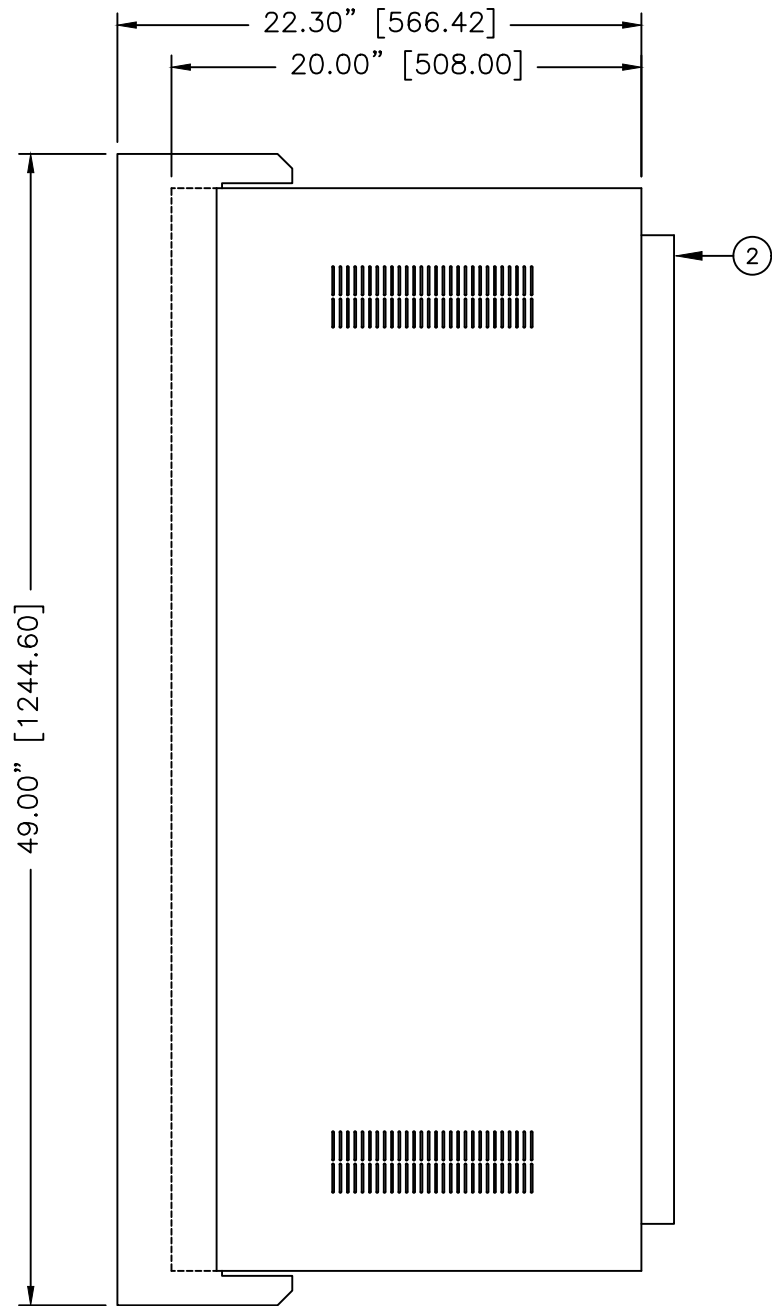
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Strand Lighting

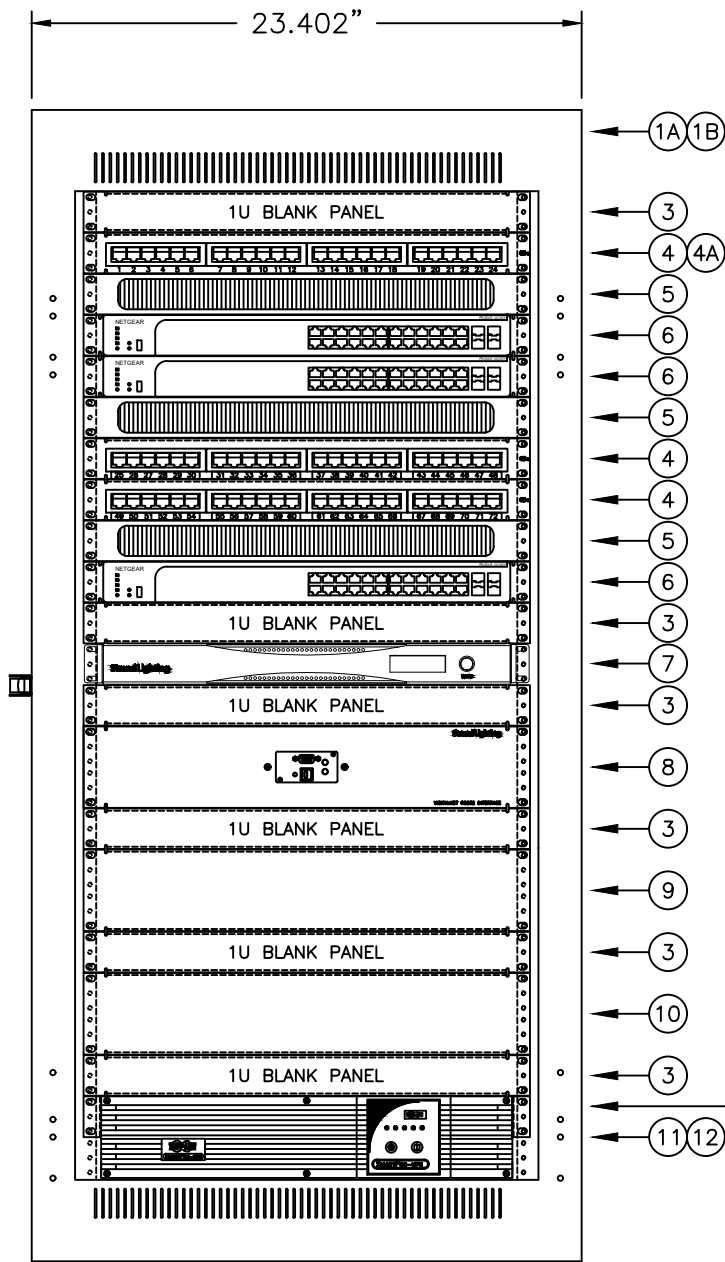
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DESIGNER	ENGINEER	JOB NAME	SYSTEM
DRAWN BY CC	DATE 12/07/20	GARRETT COLLEGE MCHENRY, MARYLAND	PROSCENIUM THEATRE
APPVD BY	DATE	STRAND P/N	TITLE
			CONTACT RELAY PANEL "LRP1B" WIRING
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B SCALE N.T.S. SHEET 1 OF 1
			DRAWING NO. 739460-105B REV

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SIDE VIEW



FRONT VIEW

(1) UNIT PROVIDED

ITEM	1	2	DESCRIPTION
	COMPONENT NO.	QTY	
1		1	WALL RK, 24U SPACE, MID ATLANTIC #DWR-24-22
1A	MAT-DWR-RR24	1	REAR RAIL KIT, MID-ATLANTIC #DWR-RR24
1B	MAT-DWR-CVR	1	COVER PLATE/SHELF KIT FOR DWR RACKS
2	1-150-0162	1	SOLID FRONT DOOR, MID-ATLANTIC #FD-24
3	2-283627-010	6	BLANK PANEL, 1 UNIT, .090 AL, WRINKLED BLACK
4	1-258022-000	3	PATCH PANEL, 24 PORT CAT 5E RJ-45
4A	1-263-0470	72	CAT5 PATCH CORD, 2'
5	MAP/BR1	3	MID-ATLANTIC 1-SPACE BRUSH GROMMET PANEL, BR1 (1U)
6	1-258001-000	3	NETGEAR GS724TPV2 24 PORT 10/100 POE+ SWITCH
7	65168	1	8-PORT NODE
8	REF. DWG. 106E	1	CUSTOM TRAY #1
9	REF. DWG. 106G	1	CUSTOM TRAY #2
10	REF. DWG. 106J	1	CUSTOM TRAY #3
11	95214	1	UPS, TRIPP-LITE #SMART1000RM2U, 13.5 DEEP
12	MAT-UTR-1	1	RACK SHELF 10", SHALLOW 1U
13	1-229-0444	1	PLUGSTRIP
14	62-0922	1	24" DIN RAIL, 35mm X 7.5mm
15	40-0500	1	20A DUPLEX POWER RECEPTACLE
16	1-293028-000	1	COVER FOR DUPLEX BOX
17	1-069-0235	1	1-GANG BOX FOR DUPLEX RECEPTACLE

FACTORY NOTE:
RECESS FRONT RACK RAILS 2"

ENCLOSURE MUST BE GROUNDED

APPVD	DWN	REV	DATE	REV DESCRIPTION

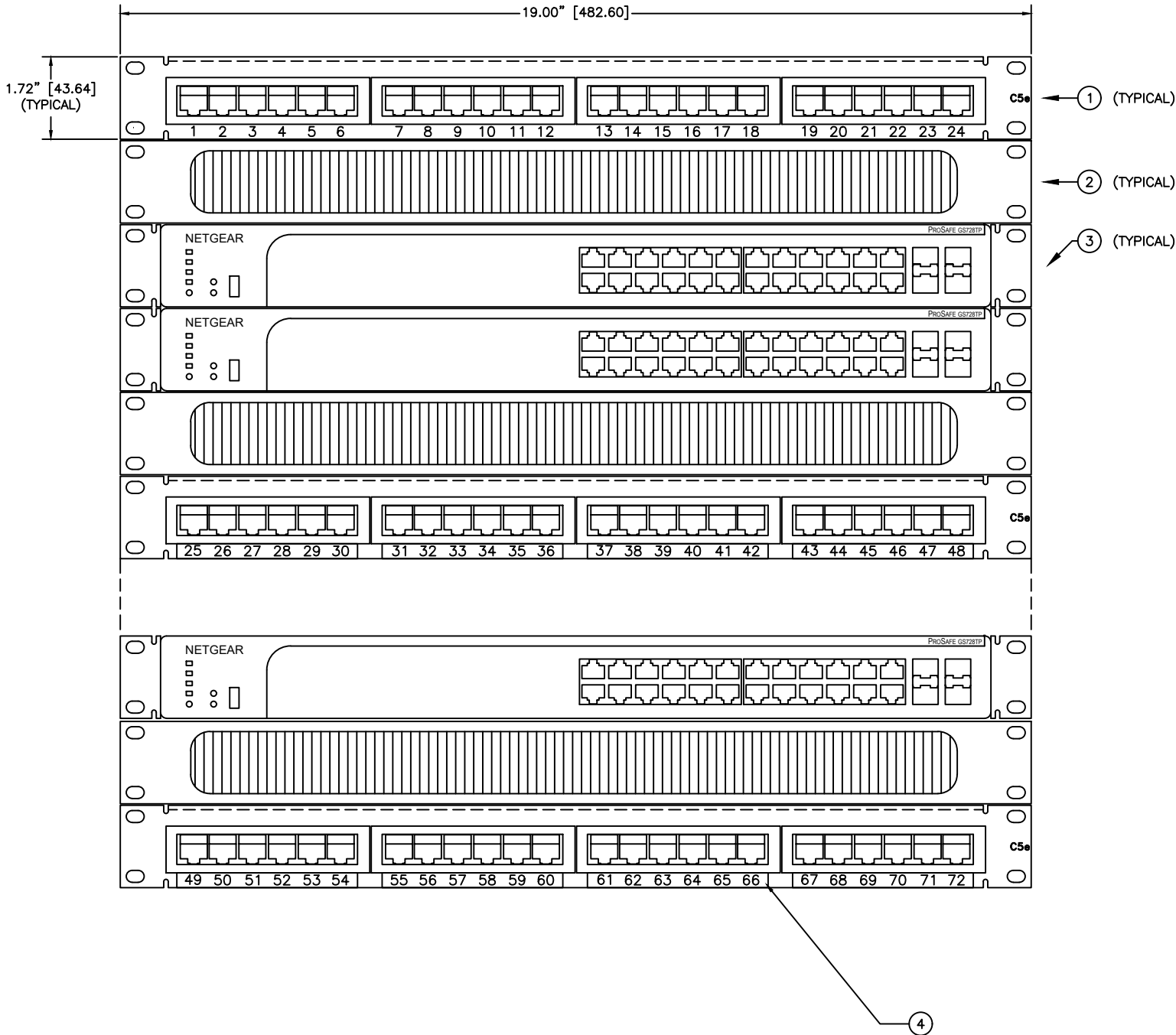
Strand Lighting

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DESIGNER	ENGINEER	JOB NAME		SYSTEM	
DRAWN BY CC	DATE 12/07/20	GARRETT COLLEGE MCHENRY, MARYLAND		PROSCENIUM THEATRE	
APPD BY	DATE	STRAND P/N 3-069-0933	TITLE CONTROL RACK "ALP-01"	DRAWING NO. 739460-106	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B	SCALE 1:8	SHEET 1 OF 1

Z:\DS-JOBS-2020\S0739460_GARRETT COLLEGE

ITEM	1	2	DESCRIPTION
	COMPONENT NO.	QTY	
1	1-258022-000	3	24 PORT CAT5E RJ45 PATCH PANEL
2	MAP/BR1	3	MID-ATLANTIC 1-SPACE BRUSH GROMMET PANEL, BR1 (1U)
3	1-258001-000	3	NETGEAR GS728TPv2 24-PORT 10/100 POE+ SWITCH
4	2-325388-010	8	PATCH PANEL NUMBERING STRIPS
6	1-263-0470	72	CAT5 PATCH CORD, 2 FT.



FACTORY NOTE:
CONNECT CAT5 PATCH CABLE
BETWEEN SWITCH #1, PORT 24 AND
SWITCH #2, PORT 47 TO LINK
SWITCHES TOGETHER

FACTORY NOTE:
CONNECT CAT5 PATCH CABLE
BETWEEN SWITCH #2, PORT 48 AND
SWITCH #3, PORT 72 TO LINK
SWITCHES TOGETHER

3.77" [95.73]

0.31"

XX XX XX XX XX XX

LAMACOID DETAILS (FACTORY TO INSTALL):

1. MATERIAL:

LAMACOID TAG, BLACK WITH WHITE CORE, ADHESIVE BACKED

2. CHARACTERS:

.2" HIGH WHITE ENGRAVED TEXT

FACTORY NOTE:
PROVIDE PORT LAMTAG LABELS WITH PORT # AS SHOWN
OVER EXISTING PORT # ON PATCH PANEL

APPVD	DWN	REV	DATE	REV DESCRIPTION

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DESIGNER	ENGINEER	JOB NAME		SYSTEM	
DRAWN BY	DATE	STRAND P/N		TITLE	
APPVD BY	DATE	SIZE	SCALE	SHEET	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	B	1:3	1 OF 1	

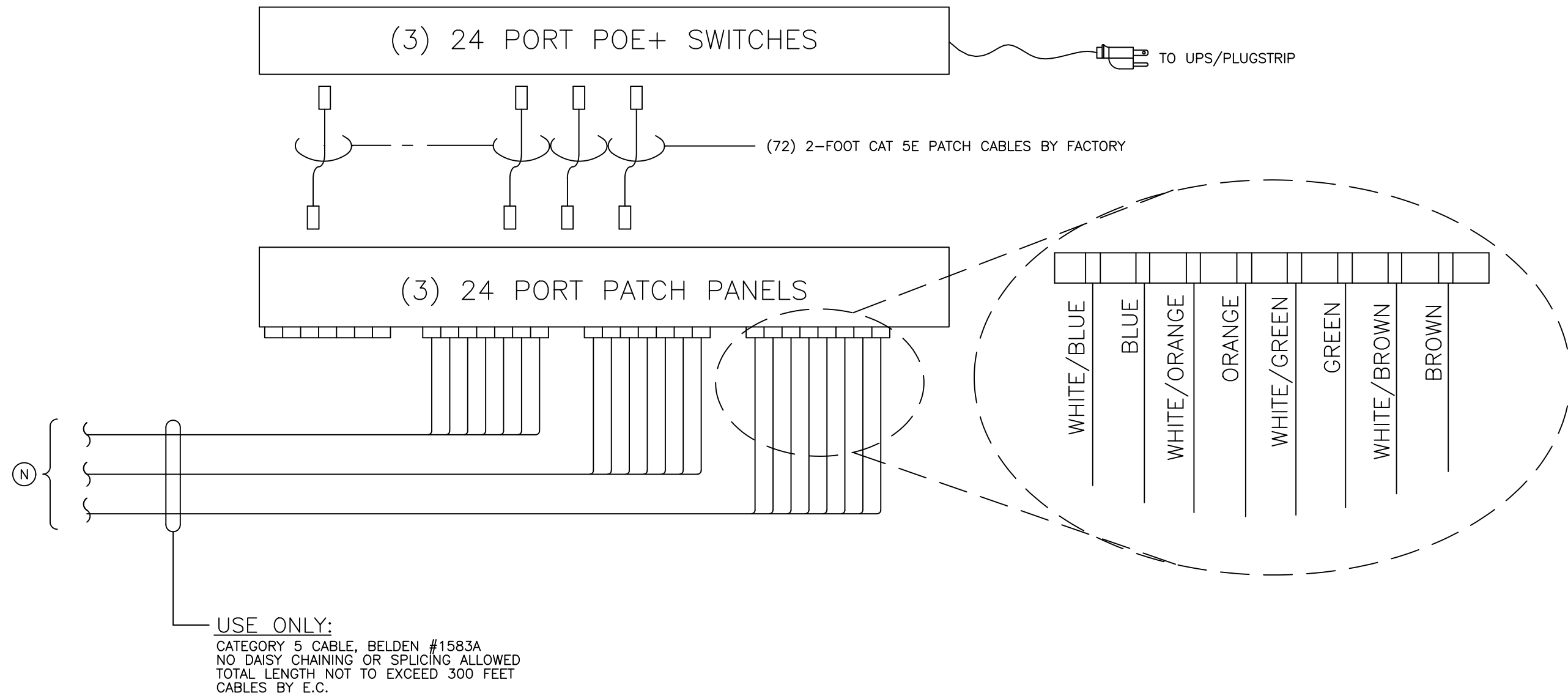
GARRETT COLLEGE
MCHENRY, MARYLAND

SEE B.O.M.

ETHERNET COMPONENTS

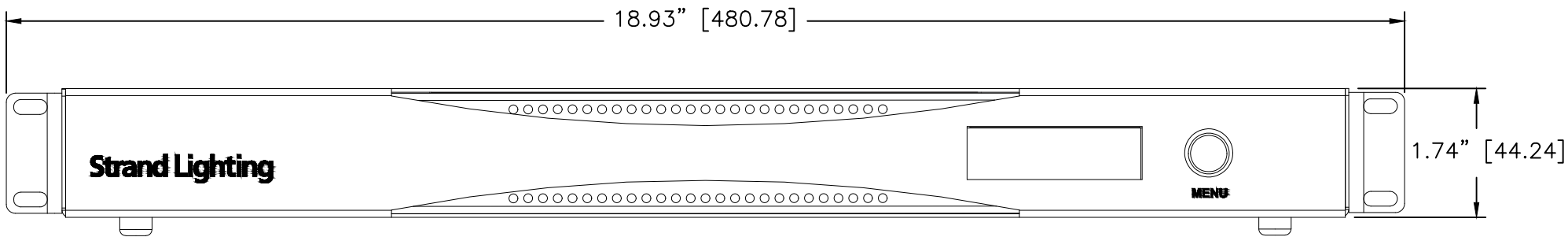
PROSCENIUM THEATRE

DRAWING NO. 739460-106B

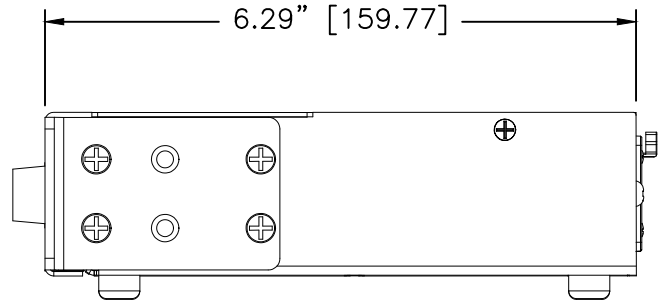


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						Strand Lighting THIS DOCUMENT IS THE CONFIDENTIAL PROPERTY OF STRAND LIGHTING AND IS LOANED SUBJECT TO RETURN UPON DEMAND. TITLE TO THIS DOCUMENT IS NEVER SOLD OR TRANSFERRED FOR ANY REASON. THIS DOCUMENT IS TO BE USED ONLY PURSUANT TO WRITTEN LICENSE OR WRITTEN INSTRUCTIONS OF STRAND LIGHTING. ALL RIGHTS TO DESIGNS AND INVENTIONS ARE RESERVED BY STRAND LIGHTING. POSSESSION OF THE DOCUMENT IS ACCEPTED SUBJECT TO THE FOREGOING.	DESIGNER	ENGINEER	JOB NAME			SYSTEM		
							DRAWN BY	DATE	GARRETT COLLEGE MCHENRY, MARYLAND			PROSCENIUM THEATRE		
							APPROV BY	DATE	STRAND P/N	TITLE		DRAWING NO.	REV	
APPVD	DWN	REV	DATE	REV DESCRIPTION			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B	SCALE N.T.S.	SHEET 1 OF 1	TYPICAL ETHERNET WIRING	739460-106C

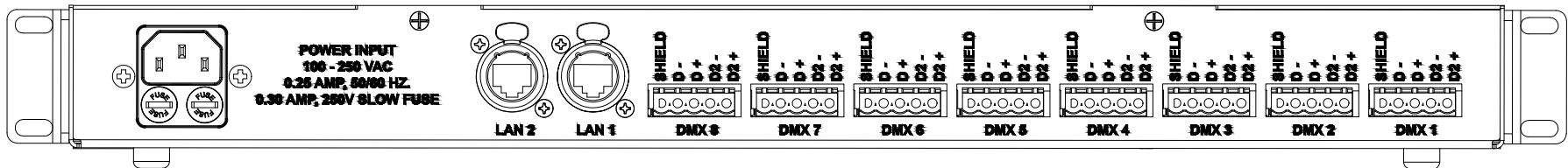


FRONT VIEW



SIDE VIEW

(1) UNIT PROVIDED



REAR VIEW

NODE CHART

	LAN 2	LAN 1	DMX 8	DMX 7	DMX 6	DMX 5	DMX 4	DMX 3	DMX 2	DMX 1
STRAND NODE	NOT USED	NETWORK TO PATCH PANEL BY FACTORY	DMX-OUT TO EMERGENCY DMX BYPASS SWITCH #2 BY E.C.	DMX-OUT TO EMERGENCY DMX BYPASS SWITCH #1 BY E.C.	DMX-OUT TO CUSTOM TRAY #3 RDM-6WALL SPLITTER BY FACTORY	VISION.NET TO CUSTOM TRAY #2 VN/DMX INTERFACE #2 BY FACTORY	DMX-IN FROM CUSTOM TRAY #2 VN/DMX INTERFACE #2 BY FACTORY	DMX-OUT TO CUSTOM TRAY #2 VN/DMX INTERFACE #2 BY FACTORY	DMX-IN FROM CUSTOM TRAY #2 VN/DMX INTERFACE #1 BY FACTORY	DMX-OUT TO CUSTOM TRAY #2 VN/DMX INTERFACE #1 BY FACTORY

DMX BELDEN #9829		
PIN#	FUNCTION	COLOR
1	SHIELD	DRAIN
2	DATA-	WHT/BLU
3	DATA+	BLU/WHT
4	N/C	WHT/ORG
5	N/C	ORG/WHT

DMX OVER CAT5 BELDEN #1583A		
PIN#	FUNCTION	COLOR
1	SHIELD/COM	WHITE/BROWN & BROWN PAIR
2	DATA-	ORANGE
3	DATA+	WHITE/ORANGE
4	N/C	N/C
5	N/C	N/C

NOTE:
FACTORY TO USE
DMX OVER CAT5 WIRING TABLE

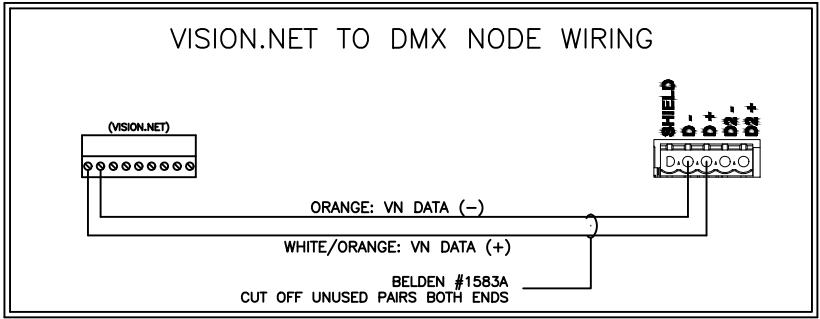
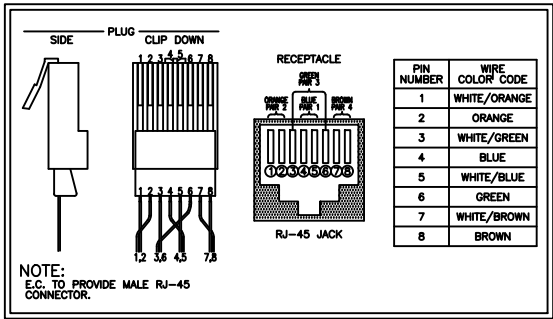
TECHNICAL SPECIFICATIONS:

INPUT POWER:
100-240VAC, 50/60Hz UNIVERSAL VOLTAGE.

OPERATING TEMP:
32-104°F/0-40°C

CONNECTIVITY:
65168 (8-PORT): DMX: (8) EACH, 5-PIN PHOENIX
ETHERNET: (2) EACH RJ45

NET PROTOCOLS: E1.31 STREAMING ACN (sACN), ART-NET,
SHOWNET, RDM.



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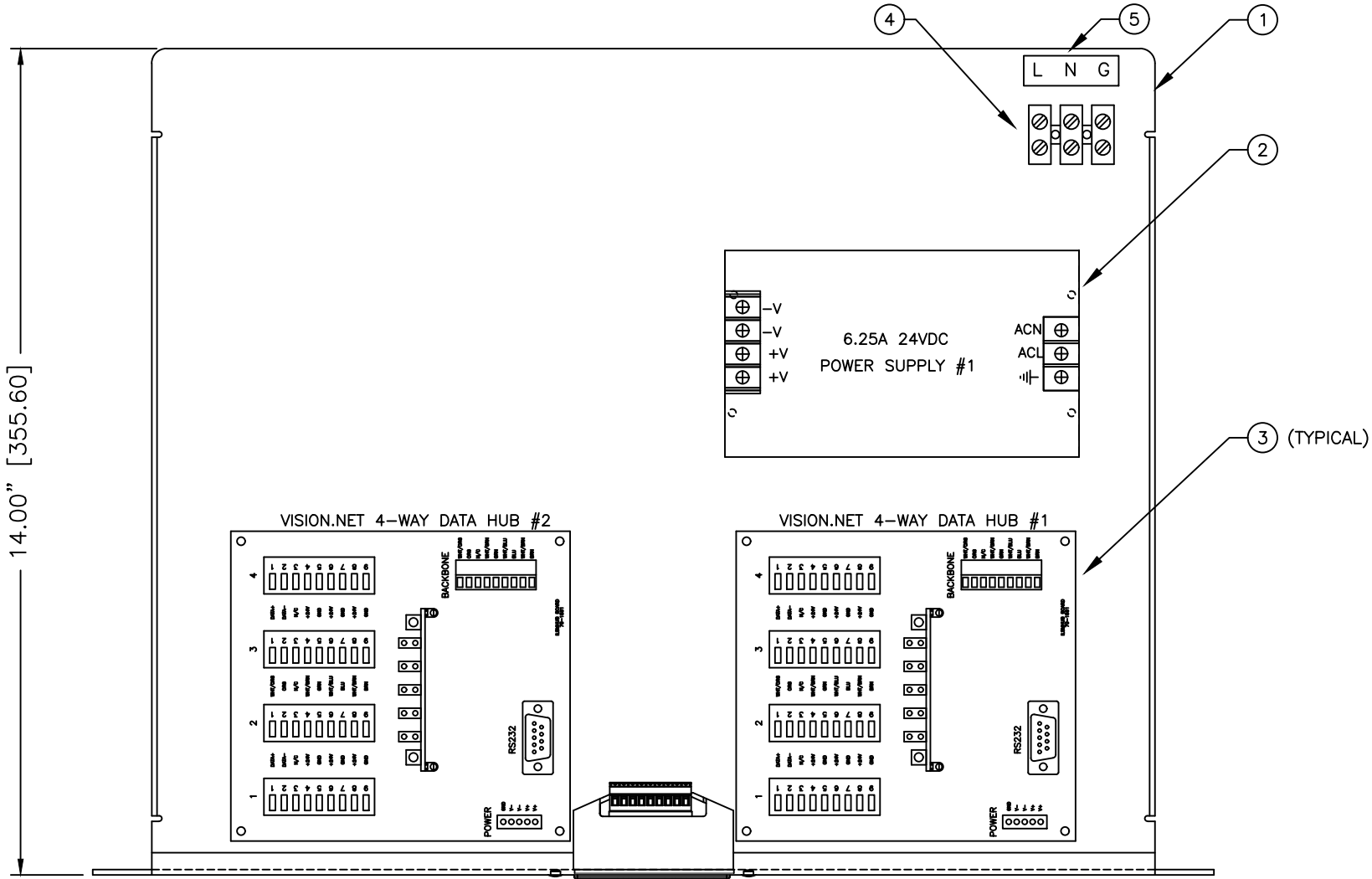
APPVD	DWN	REV	DATE	REV DESCRIPTION

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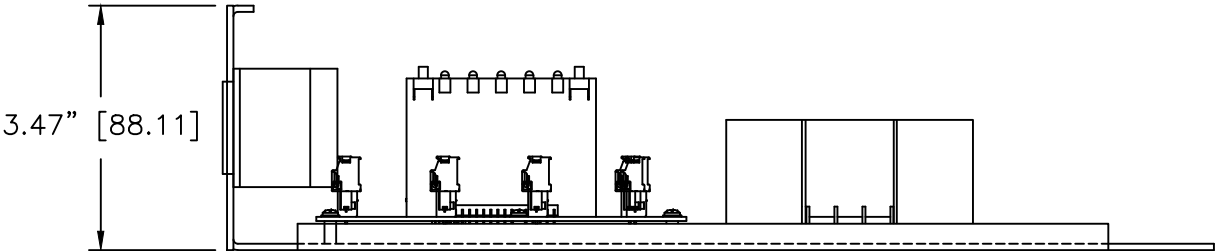
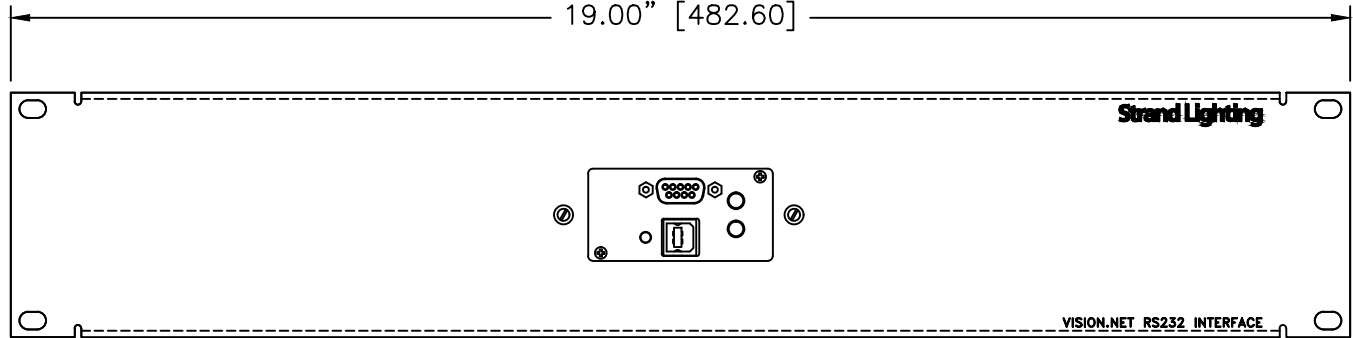
DESIGNER	ENGINEER	JOB NAME			SYSTEM	
DRAWN BY	DATE	GARRETT COLLEGE MCHENRY, MARYLAND			PROSCENIUM THEATRE	
APPVD BY	DATE	STRAND P/N	TITLE	DRAWING NO.	REV	
		65168	8-PORT NODE	739460-106D		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B	SCALE 1:2	SHEET 1 OF 1	

Z:\DS-JOBS-2020\S0739460_GARRETT COLLEGE



ITEM	1	2	DESCRIPTION
	COMPONENT NO.	QTY	
1	63035USBRMT	1	2U COMPONENT TRAY WITH RS232/USB INSERT
2	1-371077-000	1	ASTRODYNE 24V 6A POWER SUPPLY
3	63055	2	VISION.NET 4-WAY DATA HUB
4	1-344051-000	1	TERM-STRIP, POWER, LARGE
5	-	1	ADHESIVE BACKED LABEL, WHITE WITH BLACK TEXT

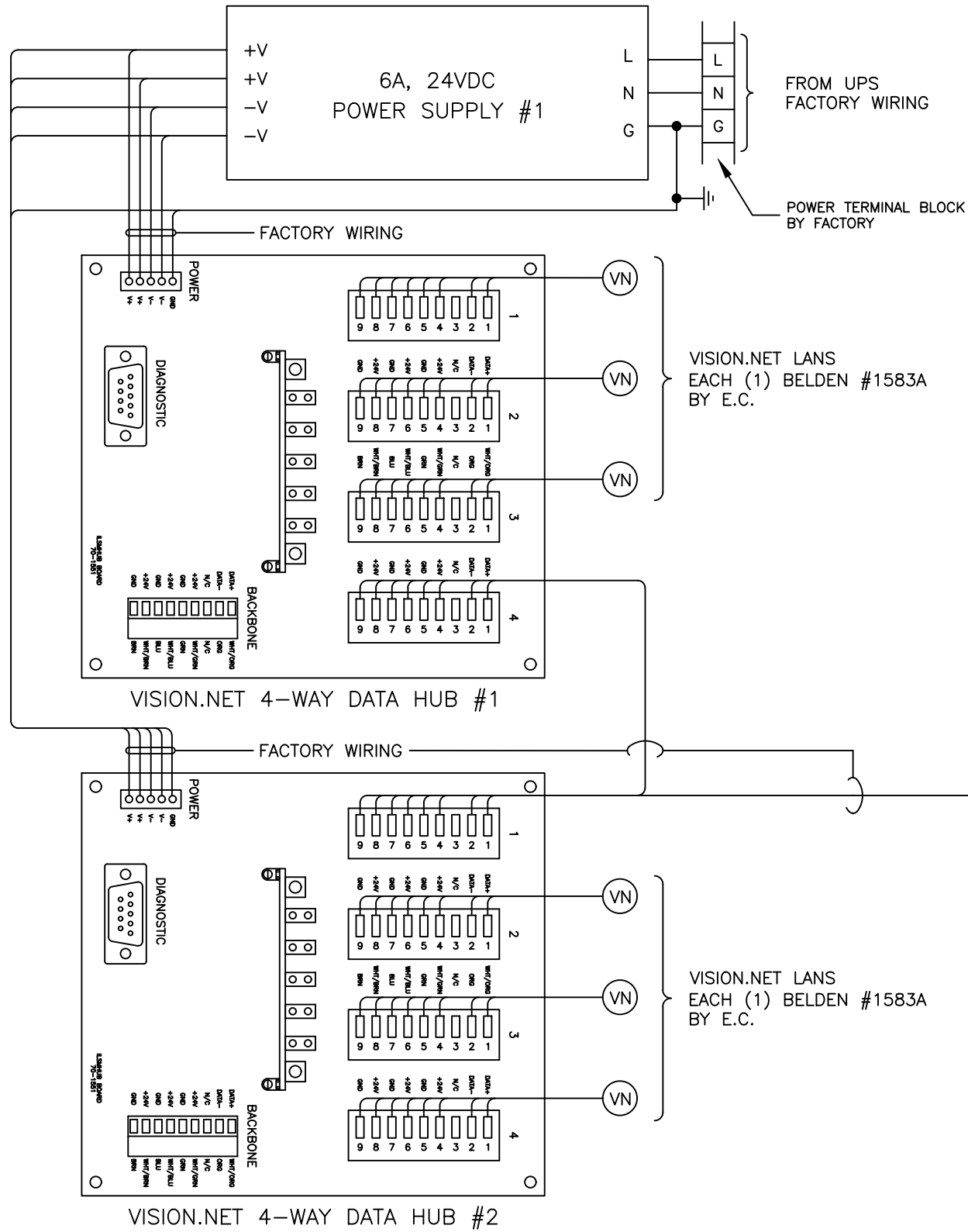
FACTORY NOTE:
COMPONENT PLACEMENT AND CABLE ROUTING AS REQUIRED



APPVD	DWN	REV	DATE	REV DESCRIPTION

Strand Lighting		THIS DOCUMENT IS THE CONFIDENTIAL PROPERTY OF STRAND LIGHTING AND IS LOANED SUBJECT TO RETURN UPON DEMAND. TITLE TO THIS DOCUMENT IS NEVER SOLD OR TRANSFERRED FOR ANY REASON. THIS DOCUMENT IS TO BE USED ONLY PURSUANT TO WRITTEN LICENSE OR WRITTEN INSTRUCTIONS OF STRAND LIGHTING. ALL RIGHTS TO DESIGNS AND INVENTIONS ARE RESERVED BY STRAND LIGHTING. POSSESSION OF THE DOCUMENT IS ACCEPTED SUBJECT TO THE FOREGOING.		DESIGNER	ENGINEER	JOB NAME		SYSTEM	
				DRAWN BY CC	DATE 12/07/20	GARRETT COLLEGE MCHENRY, MARYLAND		PROSCENIUM THEATRE	
				APPVD BY	DATE	STRAND P/N SEE B.O.M.		TITLE CUSTOM TRAY #1	
				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B	SCALE 1:8/3	SHEET 1 OF 1

Z:\DS-JOBS-2020\S0739460_GARRETT COLLEGE



VISION.NET BELDEN #1583A		
PIN#	FUNCTION	COLOR
1	DATA+	WHT/ORG
2	DATA-	ORG
3	N/C	
4	+NET V	WHT/GRN
5	GND	GRN
6	+NET V	WHT/BLU
7	GND	BLU
8	+NET V	WHT/BRN
9	GND	BRN

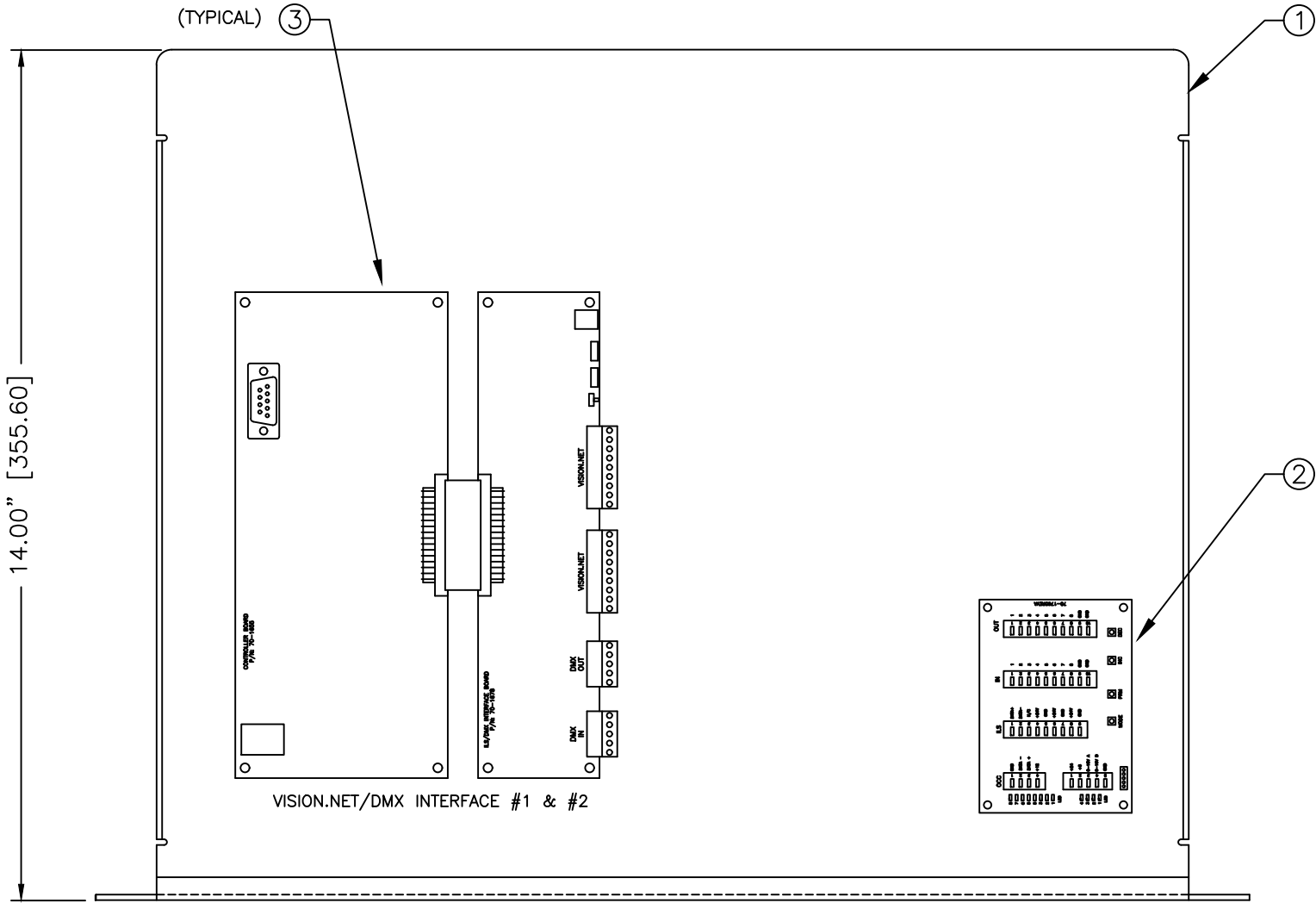
APPVD	DWN	REV	DATE	REV DESCRIPTION

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DESIGNER	ENGINEER	JOB NAME		SYSTEM	
DRAWN BY CC	DATE 12/07/20	GARRETT COLLEGE MCHENRY, MARYLAND		PROSCENIUM THEATRE	
APPRD BY	DATE	STRAND P/N	TITLE	DRAWING NO.	REV
			CUSTOM TRAY #1 WIRING	739460-106F	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B	SCALE N.T.S.	SHEET 1 OF 1

Z:\DS-JOBS-2020\50739460_GARRETT COLLEGE



TOP VIEW

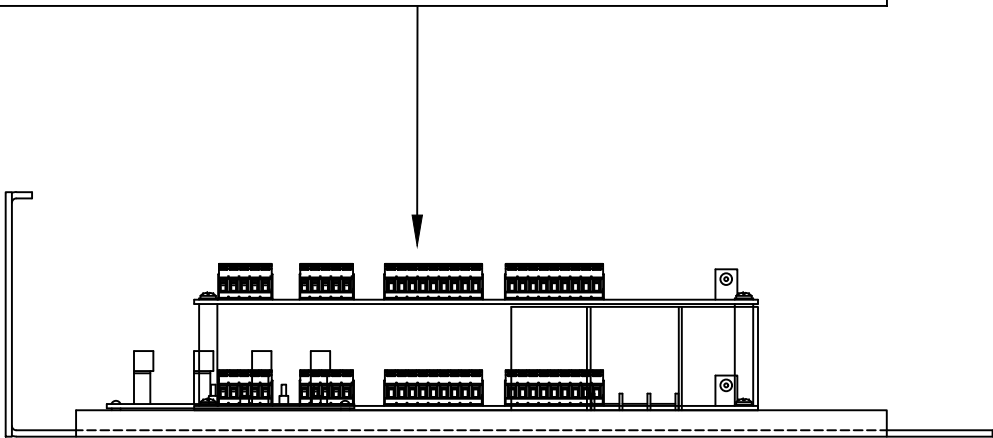


FRONT VIEW

ITEM	1	2	DESCRIPTION
	COMPONENT NO.	QTY	
1	2-170078-010	1	2U COMPONENT MOUNTING TRAY, 14" DEEP
2	63065	1	VISION.NET A/V INTERFACE PCB
3	63054	2	VISION.NET TO DMX INTERFACE

FACTORY NOTE:
COMPONENT PLACEMENT AND CABLE ROUTING AS REQUIRED

FACTORY NOTE:
THE TOP PCB IS VISION.NET/DMX INTERFACE #1
FACTORY DEFAULT ADDRESS FOR INTERFACE #1: 11
FACTORY DEFAULT ADDRESS FOR INTERFACE #2: 22



SIDE VIEW

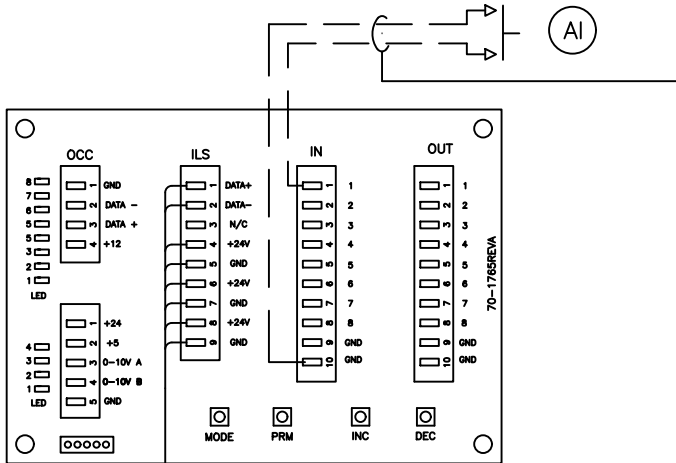
APPVD	DWN	REV	DATE	REV DESCRIPTION

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DESIGNER	ENGINEER	JOB NAME		SYSTEM	
DRAWN BY CC	DATE 12/07/20	GARRETT COLLEGE MCHENRY, MARYLAND		PROSCENIUM THEATRE	
APP'D BY	DATE	STRAND P/N SEE B.O.M.	TITLE CUSTOM TRAY #2	DRAWING NO. 739460-106G	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B	SCALE 1:8/3	SHEET 1 OF 1

VISION.NET BELDEN #1583A		
PIN#	FUNCTION	COLOR
1	DATA+	WHT/ORG
2	DATA-	ORG
3	N/C	
4	+NET V	WHT/GRN
5	GND	GRN
6	+NET V	WHT/BLU
7	GND	BLU
8	+NET V	WHT/BRN
9	GND	BRN



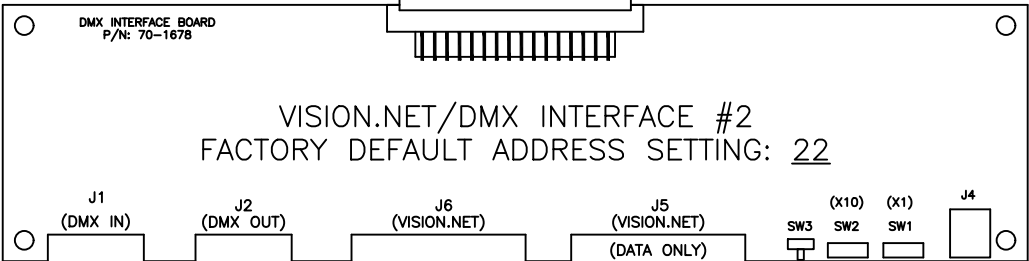
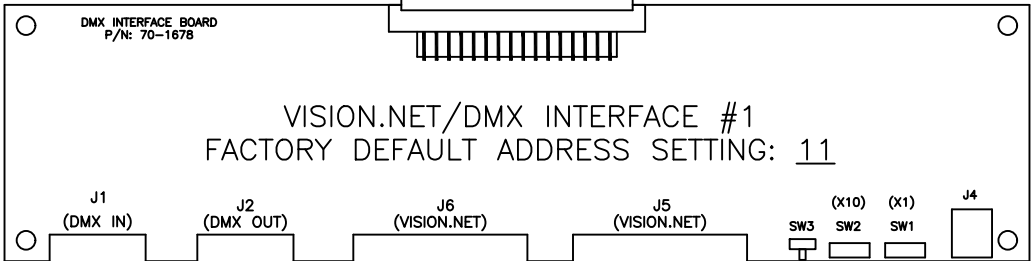
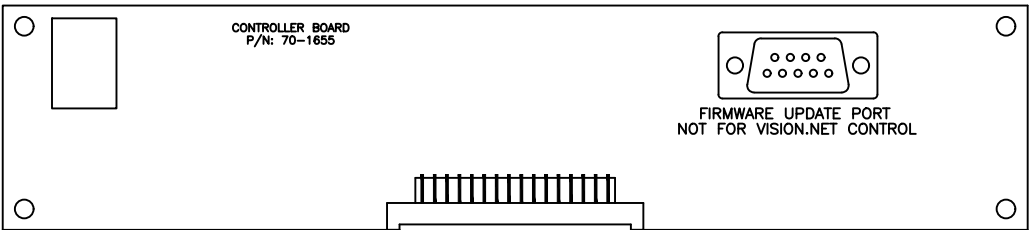
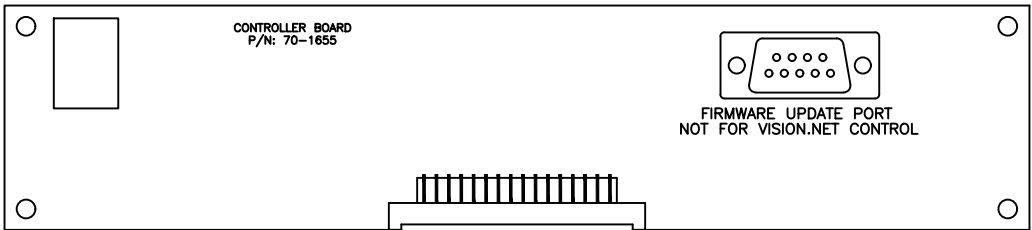
DRY CONTACT CLOSURE
(2) AWG #16 WIRES PER INPUT
(DO NOT EXCEED 500 FEET)
BY OTHERS
(TYPICAL)

DMX OVER CAT5 BELDEN #1583A		
PIN#	FUNCTION	COLOR
1	SHIELD/COM	WHITE/BROWN & BROWN PAIR
2	DATA-	ORANGE
3	DATA+	WHITE/ORANGE
4	N/C	N/C
5	N/C	N/C

NOTE:
FACTORY TO USE
DMX OVER CAT5 WIRING TABLE

VISION.NET LAN FROM
RS232/USB INTERFACE
BELDEN #1583A
FACTORY WIRING

FACTORY WIRING



VISION.NET/DMX INTERFACE #1
FACTORY DEFAULT ADDRESS SETTING: 11

VISION.NET/DMX INTERFACE #2
FACTORY DEFAULT ADDRESS SETTING: 22

DMX-IN FROM
8-PORT NODE, PORT 1
BELDEN #1583A
BY FACTORY

DMX-OUT TO
8-PORT NODE, PORT 2
BELDEN #1583A
BY FACTORY

DMX-IN FROM
8-PORT NODE, PORT 3
BELDEN #1583A
BY FACTORY

DMX-OUT TO
8-PORT NODE, PORT 4
BELDEN #1583A
BY FACTORY

VISION.NET LAN TO
8-PORT NODE, PORT 5
BELDEN #1583A
BY FACTORY

FACTORY WIRING

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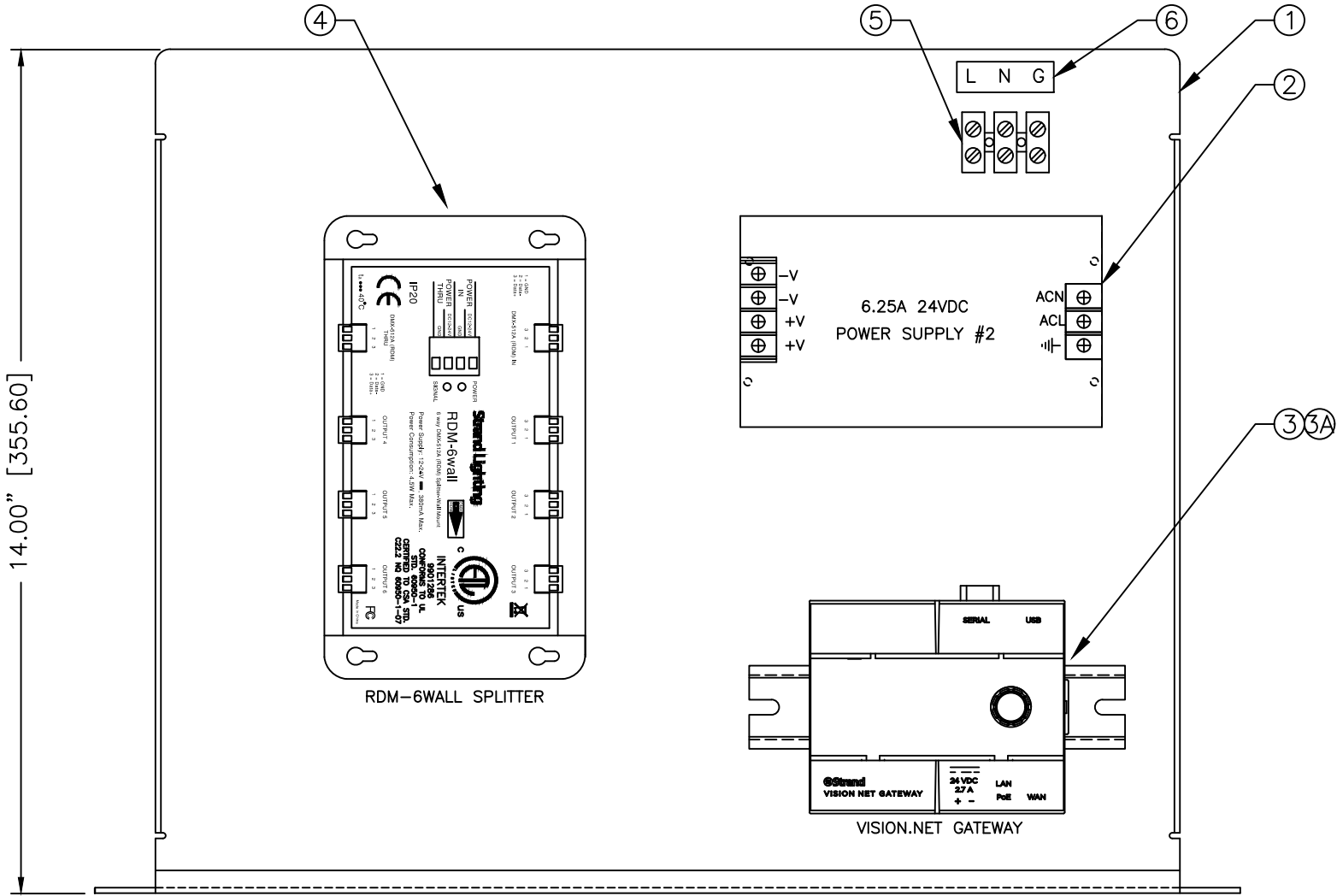
APPVD	DWN	REV	DATE	REV DESCRIPTION

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DESIGNER	ENGINEER	JOB NAME		SYSTEM	
DRAWN BY CC	DATE 12/07/20	GARRETT COLLEGE MCHENRY, MARYLAND		PROSCENIUM THEATRE	
APPVD BY	DATE	STRAND P/N	TITLE	DRAWING NO.	REV
			CUSTOM TRAY #2 WIRING	739460-106H	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B	SCALE N.T.S.	SHEET 1 OF 1

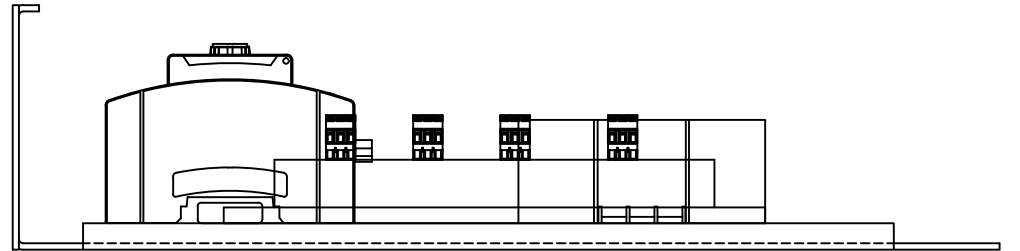
Z:\DS-JOBS-2020\50739460_GARRETT COLLEGE



TOP VIEW



FRONT VIEW



SIDE VIEW

ITEM	1	2	DESCRIPTION
	COMPONENT NO.	QTY	
1	2-170078-010	1	2U COMPONENT MOUNTING TRAY, 14" DEEP
2	1-371077-000	1	ASTRODYNE 24V 6A POWER SUPPLY
3	65710	1	VISION.NET GATEWAY
3A	62-0922	A/R	INCHES DIN RAIL, 35mm X7.5mm
4	RDM-6WALL	1	6-WAY DMX/RDM SPLITTER
5	1-344051-000	1	TERM-STRIP, POWER, LARGE
6	-	1	ADHESIVE BACKED LABEL, WHITE WITH BLACK TEXT

FACTORY NOTE:

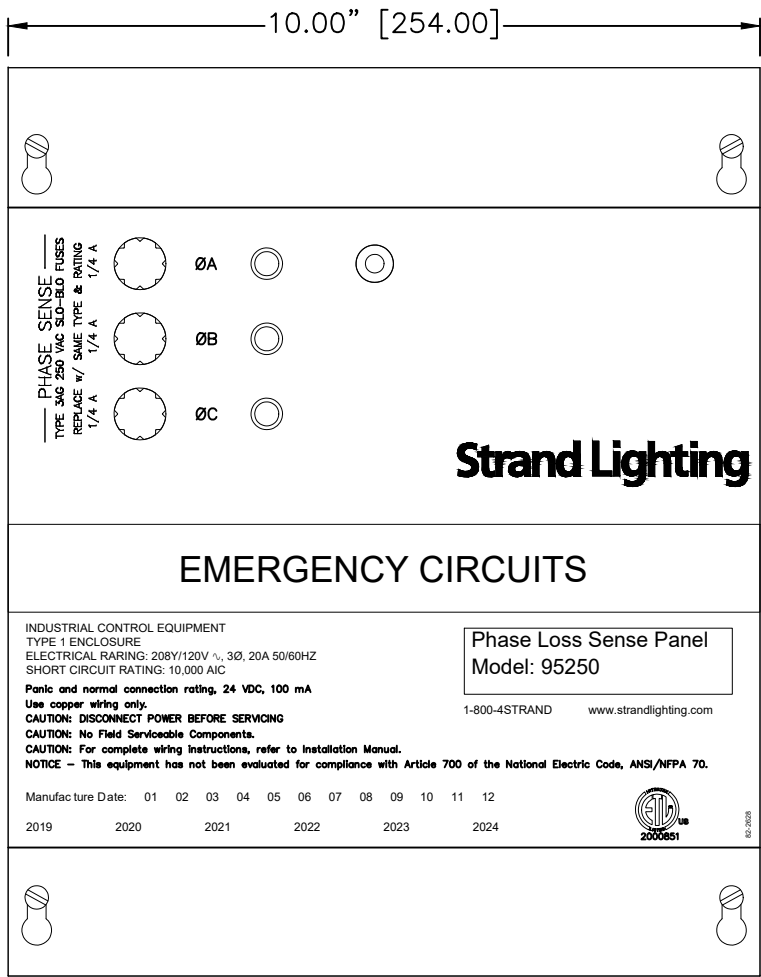
COMPONENT PLACEMENT AND CABLE ROUTING AS REQUIRED

APPVD	DWN	REV	DATE	REV DESCRIPTION

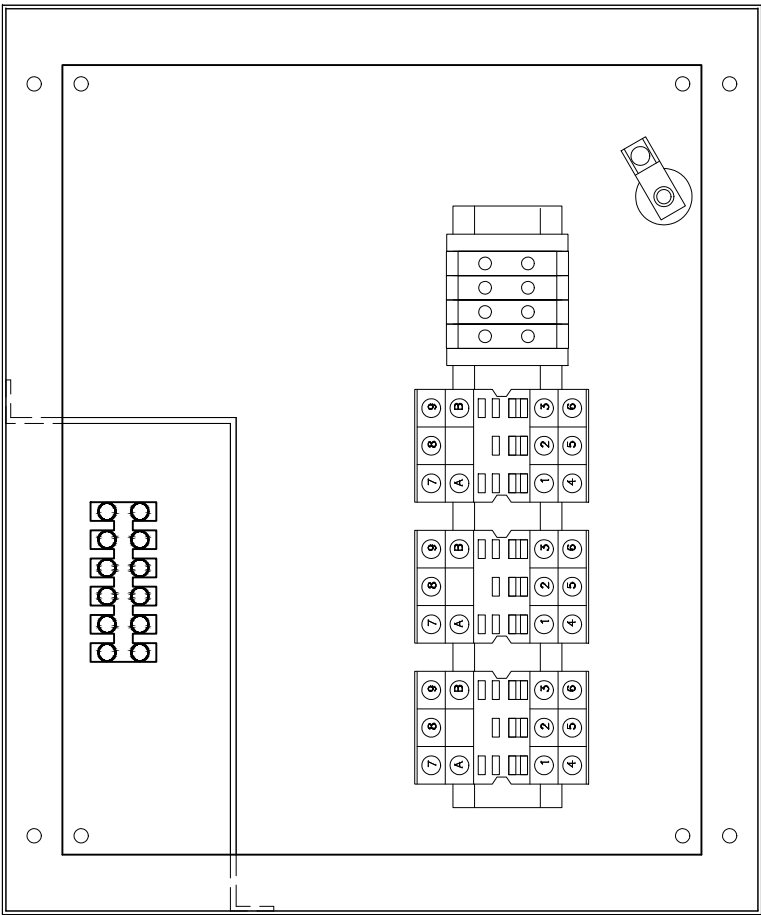
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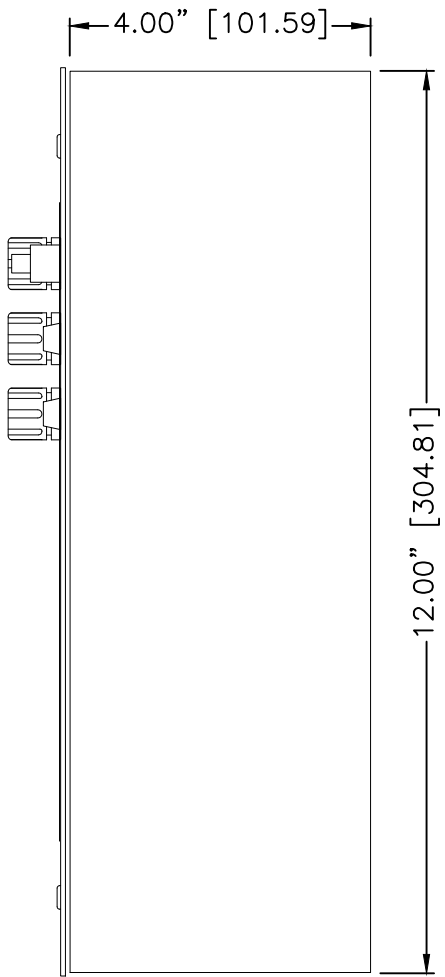
DESIGNER		ENGINEER		JOB NAME			SYSTEM	
DRAWN BY CC		DATE 12/07/20		GARRETT COLLEGE MCHENRY, MARYLAND			PROSCENIUM THEATRE	
APPVD BY		DATE		STRAND P/N SEE B.O.M.		TITLE CUSTOM TRAY #3		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES ARE: .XX .XXX ± .010 ± .005		DO NOT SCALE DRAWING		DRAWING NO. 739460-106J		
		SIZE B		SCALE 1:8/3		SHEET 1 OF 1		
						REV		



FRONT VIEW



FRONT VIEW (COVER REMOVED)



SIDE VIEW

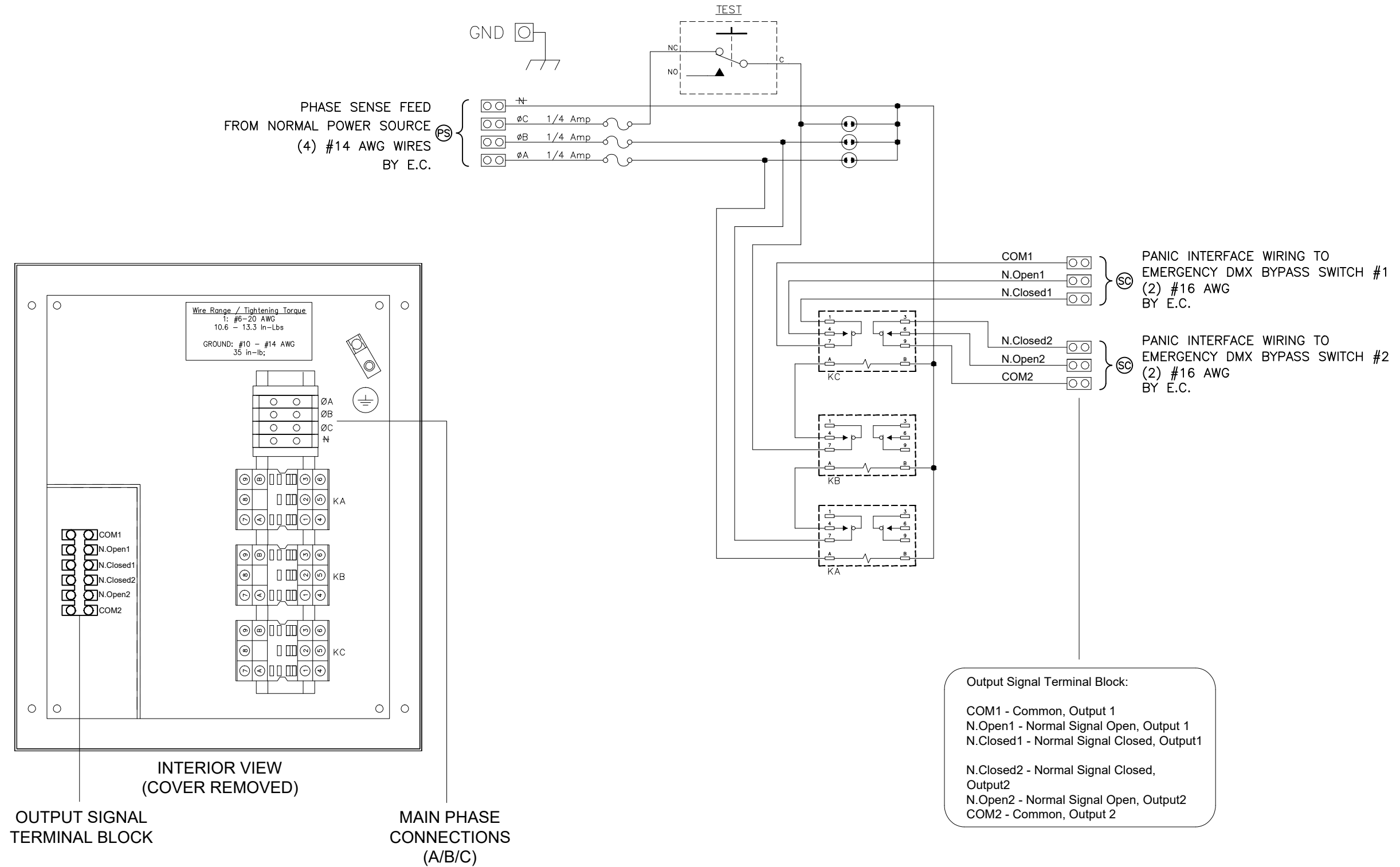
(1) UNIT PROVIDED

- SPECIFICATIONS:
- POWER REQUIREMENTS: 3-PHASE, 4-WIRE WITH GROUND, 208Y/120 VAC, 50/60HZ, 20A PER PHASE
 - SHORT CIRCUIT RATING: 10,000 AIC
 - COMPLIANCE: ETL LISTED TO UL924
 - OPERATING TEMPERATURE: 32-104 DEGREES F (0-40 DEGREES C)
 - OPERATING HUMIDITY: 5-95% NON-CONDENSING
 - MOUNTING: SURFACE MOUNT
 - ENCLOSURE: TYPE 1
 - WEIGHT: 9.7LBS (4.4KG)

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						DRAWN BY CC		DATE 12/07/20		GARRETT COLLEGE MCHENRY, MARYLAND		PROSCENIUM THEATRE								
						APPVD BY		DATE		STRAND P/N 95250		TITLE PHASE LOSS SENSE PANEL "EBDK"								
APPVD	DWN	REV	DATE	REV DESCRIPTION		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES ARE: .XX ± .010 .XXX ± .005		DO NOT SCALE DRAWING		SIZE B		SCALE 1:5/2		SHEET 1 OF 1		DRAWING NO. 739460-107		REV

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APPVD	DWN	REV	DATE	REV DESCRIPTION

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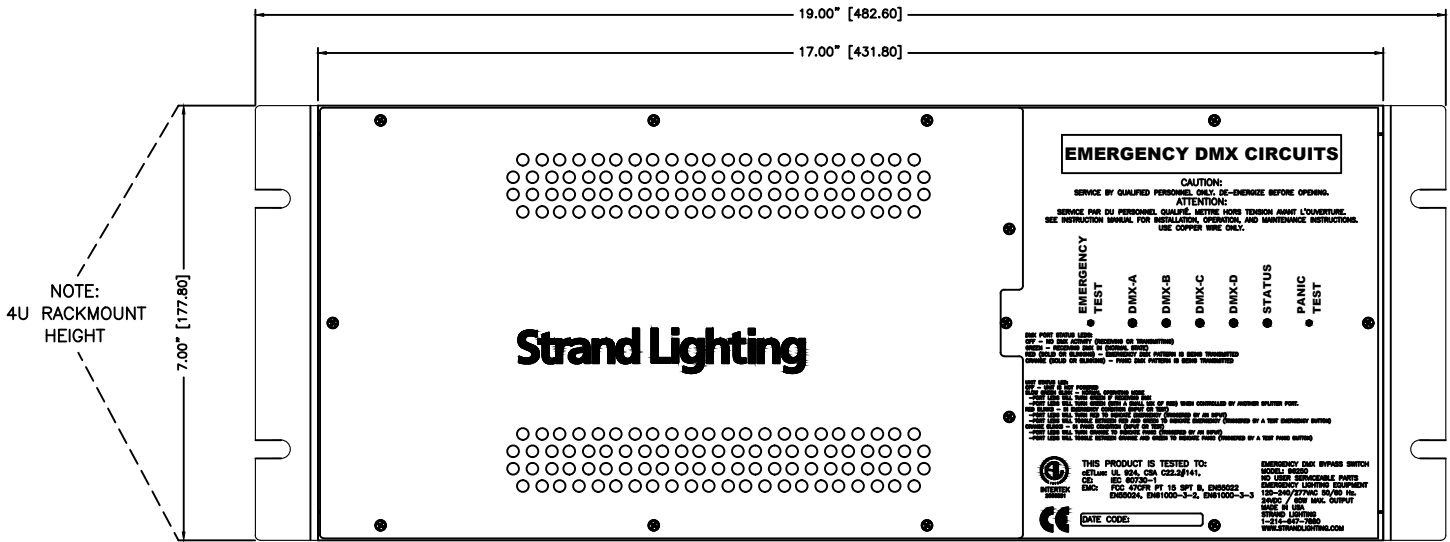
DESIGNER	ENGINEER	JOB NAME	SYSTEM
DRAWN BY CC	DATE 12/07/20	GARRETT COLLEGE MCHENRY, MARYLAND	PROSCENIUM THEATRE
APPVD BY	DATE	STRAND P/N	TITLE
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B SCALE N.T.S. SHEET 1 OF 1
			PHASE LOSS SENSE PANEL WIRING
			DRAWING NO. 739460-107A REV

EMERGENCY DMX BYPASS SWITCH

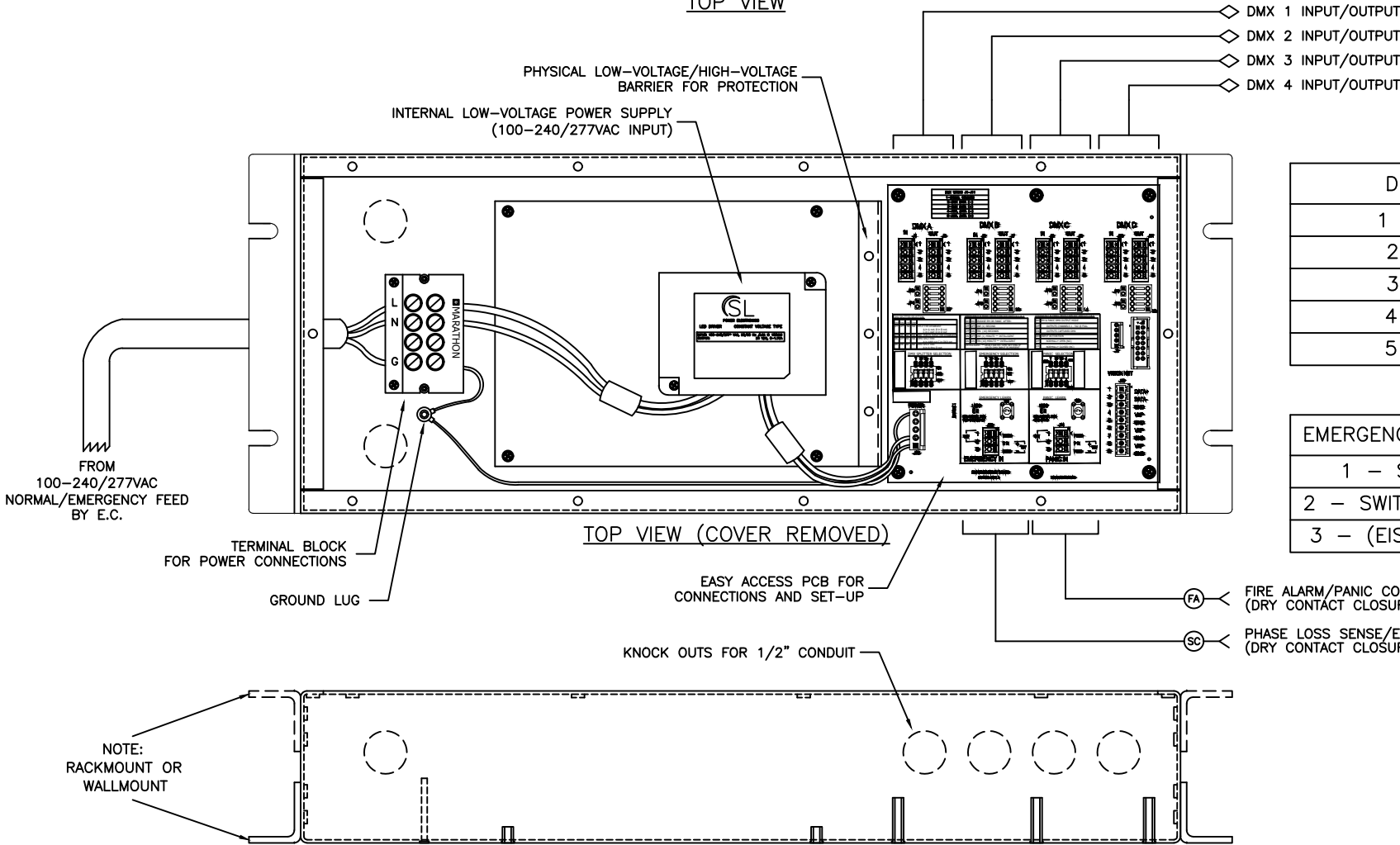
STRAND LIGHTING'S EMERGENCY DMX BYPASS SWITCH PROVIDES EMERGENCY AND PANIC LIGHTING CONTROL SOLUTIONS FOR DMX DRIVEN HOUSE LIGHTS AND DMX CONTROLLED LIGHTING USED IN EMERGENCY AND EGRESS LIGHTING. EACH BYPASS UNIT CAN HANDLE UP TO FOUR (4) INDIVIDUAL UNIVERSES OF DMX AND CAN ALSO ACT AS A DMX SPLITTER HANDLING 1 IN 4 OUT OR 2 IN 2 OUT ROUTING SCENARIOS. THE BYPASS UNIT HANDLES MORE THAN JUST EMERGENCY; IT HAS SEPARATE TRIGGERS FOR PANIC SITUATIONS AS WELL.

EACH STATE, PANIC OR EMERGENCY, CAN BE SET TO TRIGGER SNAP SHOT LOADS OR CAN BE SET TO DRIVE ALL LOADS ON EACH DMX PATH TO 100%. EACH STATE (PANIC OR EMERGENCY) CAN BE TRIGGERED VIA NORMALLY OPEN, NORMALLY CLOSED DRY CONTACTS, OR FROM A 12VDC SIGNAL. ONCE THE STATE IS RETURNED TO NORMAL, THE BYPASS UNIT WILL RETURN LOADS TO THE DMX CONTROLLER IN A VERY SMART FASHION.

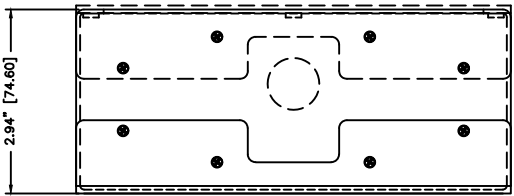
RETURN STATES CAN BE TIMED AT 1 SECOND, 10 SECONDS, 1 MINUTE, 10 MINUTES, OR CAN BE SET TO RETURN UNDER 1 MIN./10 MIN. INTELLIGENT TIMING. INTELLIGENT TIMING WILL TRUNCATE THE RETURN TO NORMAL TIME WHEN VALID DMX INPUTS ARE SENSED. THIS DEVICE IS A SIMPLE AND AFFORDABLE SOLUTION FOR ALL OF YOUR DMX EMERGENCY AND PANIC SYSTEMS NEEDS.



TOP VIEW



FRONT VIEW
(2) UNITS PROVIDED



SIDE VIEW

FEATURES:

- ACCEPTS UP TO FOUR (4) DMX UNIVERSES
- EMERGENCY INPUTS
- PANIC INPUTS
- INTEGRATED DMX SPLITTER WITH USER-SELECTABLE OPERATIONAL SETTINGS
- EMERGENCY AND PANIC TEST BUTTONS
- DURABLE, STEEL CONSTRUCTION THAT EASILY MOUNTS NEAR LIGHTING CONTROL PANELS OR INSIDE 19" RACKS
- DESIGNED AND MANUFACTURED IN THE USA

SPECIFICATIONS:

POWER INPUT: 100-240/277VAC, 50-60HZ, 1 PHASE
OUTPUT POWER: 24VDC, 1.75A

DMX UNIVERSES (INPUT): 4
DMX UNIVERSES (OUTPUT): 4
PANIC (INPUT): 1
EMERGENCY (INPUT): 1

ENCLOSURE: STEEL (INDOOR USE ONLY)
COLOR: BLACK
MOUNTING: SURFACE MOUNT OR RACK MOUNT
WEIGHT: 9.7 LBS. (4.4KG)

COMPLIANCE:
cETLus: UL 924, CSA C22.2#141
CE: IEC 60730-1
EMC: FCC 47CFR PT 15 SPT B, EN55022, EN55024, EN61000-3-2, EN61000-3-3

OPERATING TEMPERATURE: 0° - 25°C
OPERATING HUMIDITY: 5 - 95% NON-CONDENSING

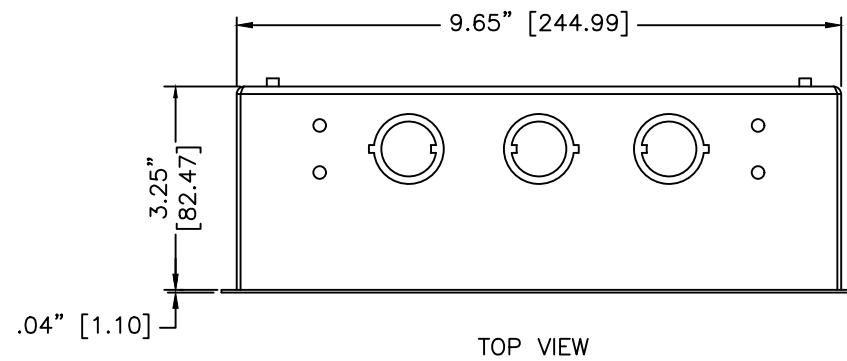
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APPVD	DWN	REV	DATE	REV DESCRIPTION

Strand Lighting

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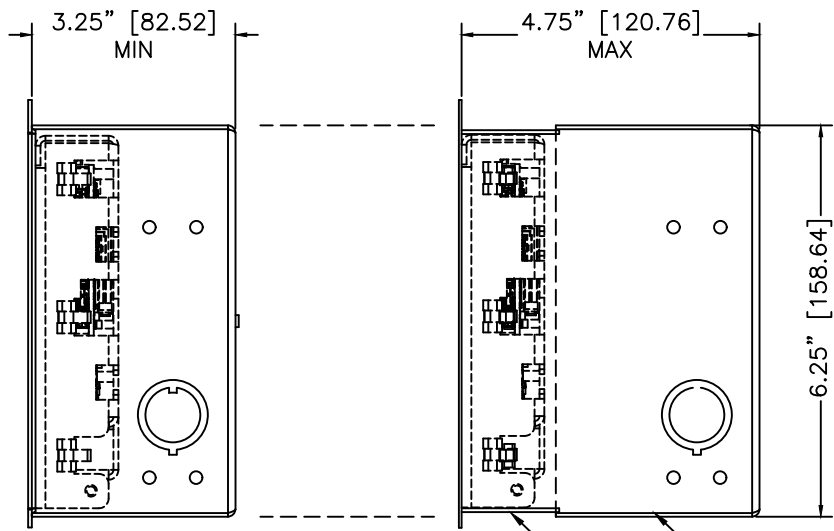
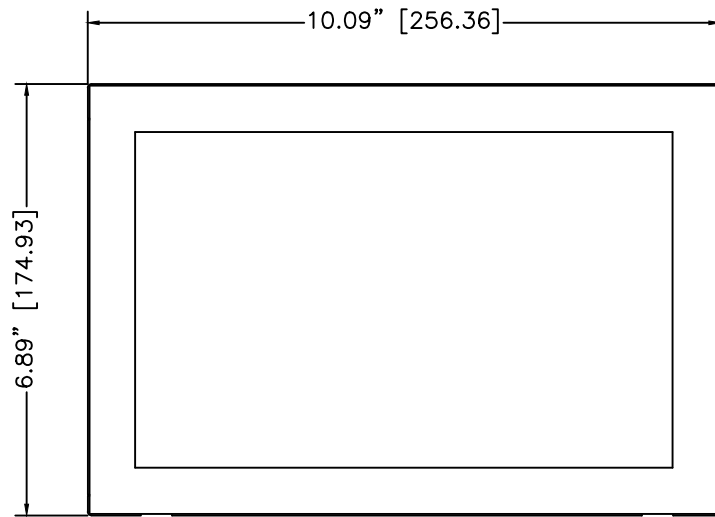
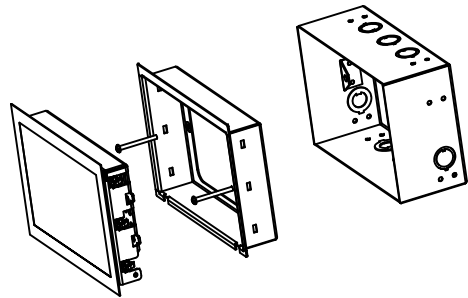
DESIGNER	ENGINEER	JOB NAME	SYSTEM
DRAWN BY CC	DATE 12/07/20	GARRETT COLLEGE MCHENRY, MARYLAND	PROSCENIUM THEATRE
APPROV BY	DATE	STRAND P/N 96250	TITLE EMERGENCY DMX BYPASS SWITCH #1 & #2 "DMX-01" & "DMX-02"
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B SCALE 1:3 SHEET 1 OF 1
			DRAWING NO. 739460-108 REV



BACKBOX:

MATERIAL:
16 GAUGE C.R.S.

FINISH:
FLAT BLACK

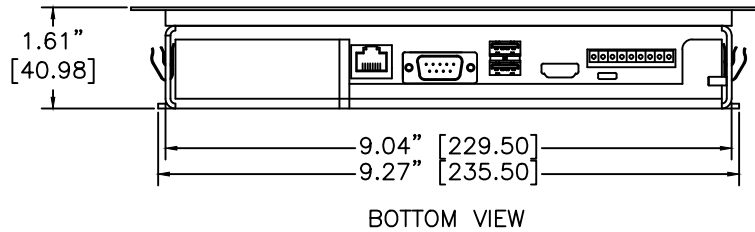


SPECIFICATIONS:

- POWER:
EXTERNAL POE (802.3AT @ 25W) OR 24VDC (NOT INCLUDED)
- TOUCH:
MULTI-POINT TOUCH, PCAP
- RESOLUTION:
1280 X 800
- COLORS:
24-BIT
- VIEWING ANGLE:
MINIMUM OF 80° FROM ALL FOUR SIDES
- TOUCH SURFACE:
7H HARDNESS GLASS WITH ANTI-FINGERPRINT COATING
- CONNECTIONS:
(1) RJ45
(1) 9-PIN PHOENIX
- STORAGE AND MEMORY:
(1) MICRO SD SLOT
2GB RAM
- OPERATING SYSTEM:
ANDROID 6.0.1+

FRONT VIEW

(2) UNITS PROVIDED
SEE CHART DWG. 109A



- ① FLUSH MOUNT BACK BOX (#10.1707.0502) INCLUDED IN #66824 KIT
- ② 10 INCH TOUCHSCREEN (#95610)
- ③ "PUSH-FIT" WALL BOX INSERT (#10.1707.0501)
- ⚠️ USE ONLY NYLON/WOODEN SPUDGER TOOL FOR SCREEN REMOVAL ⚠️

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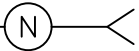
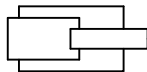
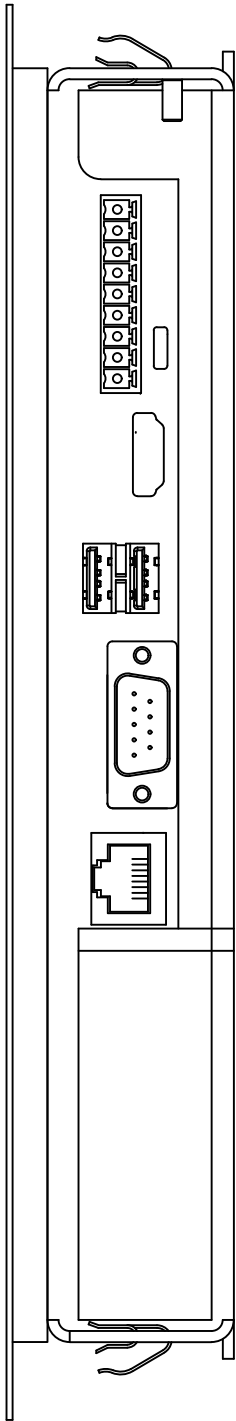
								DESIGNER				ENGINEER				JOB NAME				SYSTEM			
								DRAWN BY				DATE				GARRETT COLLEGE				PROSCENIUM THEATRE			
								CC				12/07/20				MCHENRY, MARYLAND							
								APP'D BY				DATE				STRAND P/N				TITLE			
																95610 + 66824				10" TOUCHSCREEN			
																SIZE				FLUSH-MOUNT			
																SCALE				"H4"			
																SHEET				DRAWING NO.			
																1				739460-109			
																OF				REV			
APPVD	DWN	REV	DATE	REV DESCRIPTION																			

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DESIGNER		ENGINEER		JOB NAME				SYSTEM			
DRAWN BY		DATE		GARRETT COLLEGE				PROSCENIUM THEATRE			
CC		12/07/20		MCHENRY, MARYLAND							
APP'D BY		DATE		STRAND P/N				TITLE			
				95610 + 66824				10" TOUCHSCREEN			
				SIZE				FLUSH-MOUNT			
				SCALE				"H4"			
				SHEET				DRAWING NO.			
				1				739460-109			
				OF				REV			

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NETWORK (802.3AT @ 25W)
SEE RISER DIAGRAM
(DO NOT EXCEED 300 FEET)
CABLE BY E.C.

VISION.NET 10" TOUCHSCREEN CHART			
DEVICE NO.	DEVICE TYPE	LOCATION	MOUNTING
HL-04	H4	STAGE RIGHT PROSCENIUM	FLUSH-MOUNT
HL-09	H4	CONTROL ROOM HOUSE RIGHT	FLUSH-MOUNT

CATEGORY 5 ETHERNET NOTES:

USE ONLY CERTIFIED CATEGORY 5 CABLE, BELDEN #1583A. NO DAISY CHAINING, SUBSTITUTIONS, OR SPLICING ALLOWED. TOTAL LENGTH OF ANY CABLE NOT TO EXCEED 300 FT. IF ANY CABLE EXCEEDS 300 FEET ADDITIONAL NETWORKING HARDWARE AND ENGINEERING CHANGES FROM STRAND LIGHTING (AT AN ADDITIONAL CHARGE) MAY BE REQUIRED. THIS CABLE MUST BE INSTALLED AND TERMINATED IN COMPLIANCE WITH TIA/EIA-568 STANDARDS FOR CATEGORY 5 CABLING. TERMINATIONS ARE TO BE MADE USING THE 568B COLOR CODE. ELECTRICAL CONTRACTOR TO CERTIFY ALL CATEGORY 5 CABLES AND TERMINATIONS PRIOR TO SYSTEM COMMISSIONING.

ETHERNET		
BELDEN #1583A CABLE		
T.B. NO.	SIGNAL	COLOR
1	RX+	WHT/ORG
2	RX-	ORG
3	TX+	WHT/GRN
4	NOT USED	BLU
5	NOT USED	WHT/BLU
6	TX-	GRN
7	NOT USED	WHT/BRN
8	NOT USED	BRN

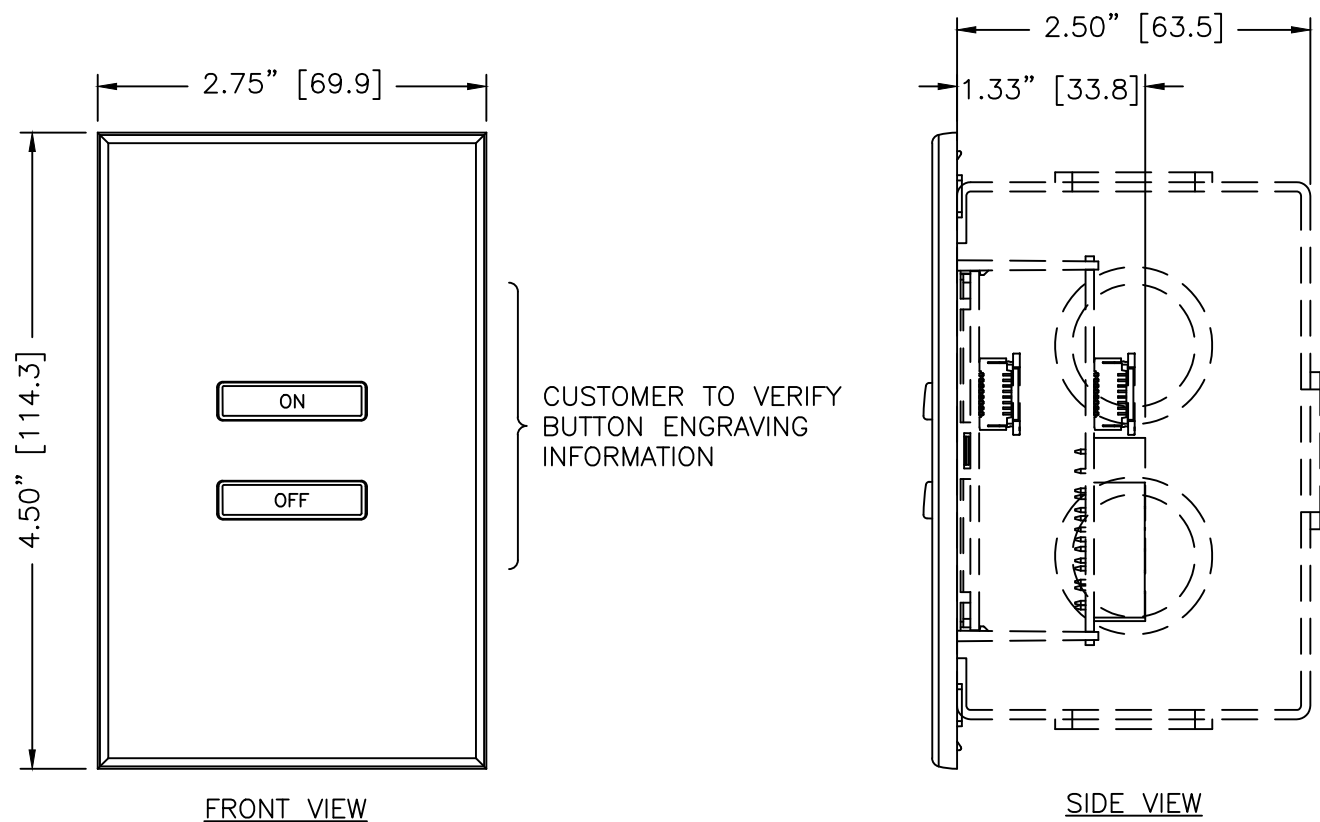
APPVD	DWN	REV	DATE	REV DESCRIPTION

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APPRD BY		DATE		STRAND P/N		TITLE		DRAWING NO. 739460-109A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES ARE: .XX ± .010 .XXX ± .005		DO NOT SCALE DRAWING	SIZE B	SCALE N.T.S.	SHEET 1 OF 1	

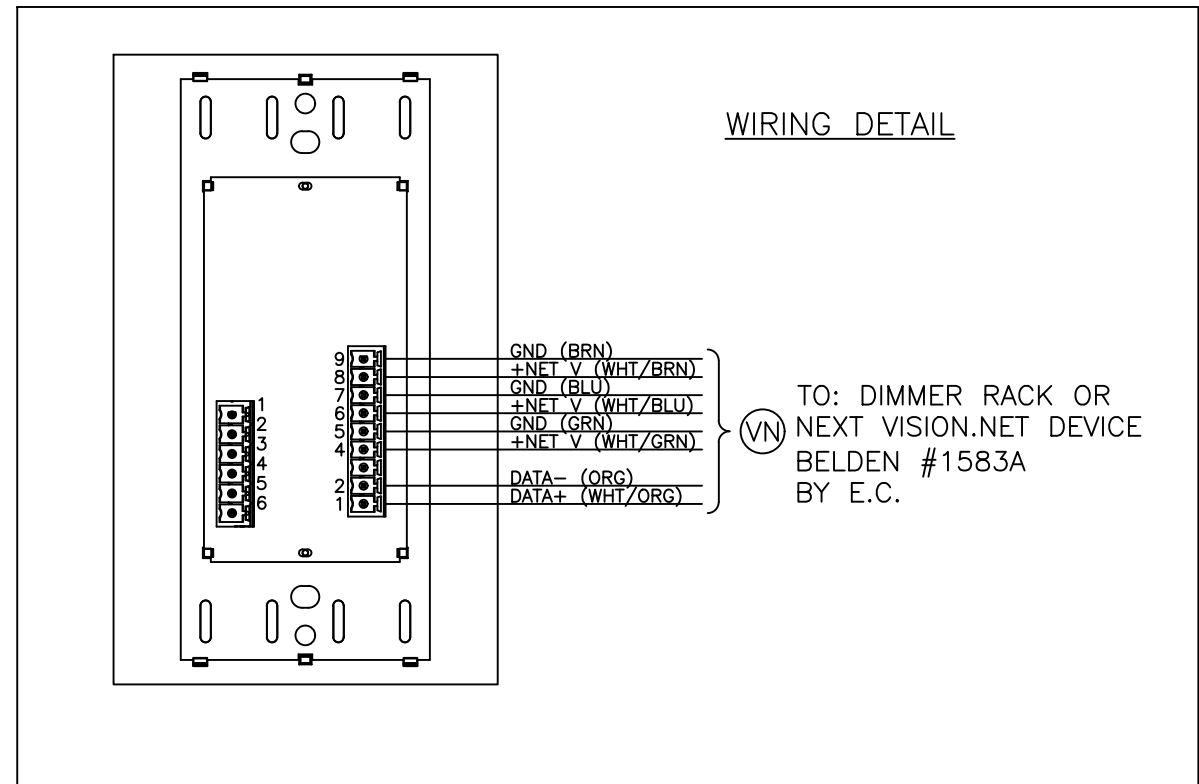
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(4) UNITS PROVIDED

VISION.NET STATION COLOR SELECTION OPTIONS			
STATION PART NUMBER	MARK DESIRED COLOR	FACEPLATE / BUTTON COLOR	DESCRIPTION
63322	☐	WHITE	2-BUTTON STATION (WHITE)
	☐	IVORY	2-BUTTON STATION (IVORY)
	☐	ALMOND	2-BUTTON STATION (ALMOND)
	☐	GRAY	2-BUTTON STATION (GRAY)
	☐	BLACK	2-BUTTON STATION (BLACK)
	☐	BROWN	2-BUTTON STATION (BROWN)

SEE CHART DWG. 110A



FACEPLATE:
INJECTION MOLDED ENGINEERING PLASTIC

BUTTONS:
INJECTION MOLDED ENGINEERING PLASTIC
BACKLIT, ENGRAVABLE KEYCAPS

APPEARANCE:
SCREWLESS FACEPLATE
LEGENDS:
ENGRAVED

BACKBOX:
1-GANG MASONRY BOX, 2.50" DEEP
e.g. RACO 690 OR EQUIVALENT
BOX PROVIDED BY E.C., NOT BY
STRAND LIGHTING

BACKBOX MUST BE GROUNDED

	PR	A	05/19/21	REVISED COLOR SELECTION PER MARK UPS
APPVD	DWN	REV	DATE	REV DESCRIPTION

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DESIGNER	ENGINEER	JOB NAME		SYSTEM	
DRAWN BY CC	DATE 12/07/20	GARRETT COLLEGE MCHENRY, MARYLAND		PROSCENIUM THEATRE	
APPVD BY	DATE	STRAND P/N 63322	TITLE VISION.NET 2-BUTTON STATION "H1"	DRAWING NO. 739460-110	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B	SCALE 1:4/3	SHEET 1 OF 1

VISION.NET 2-BUTTON STATION CHART

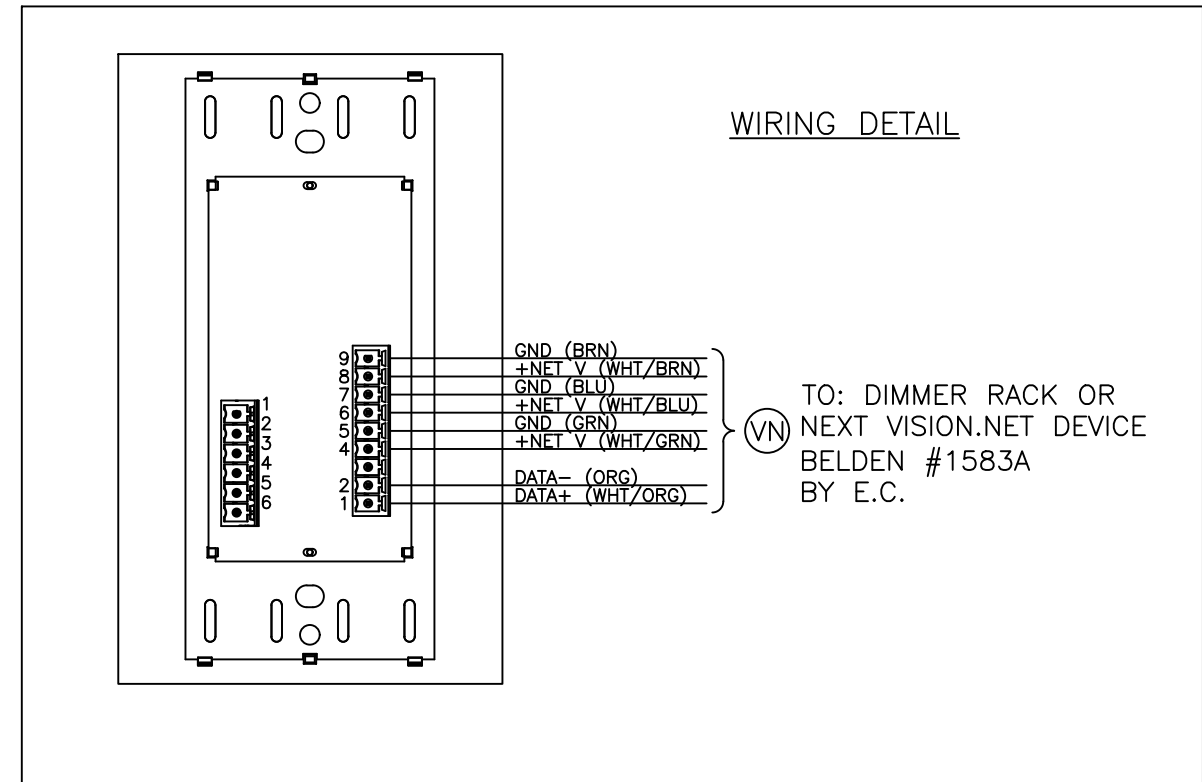
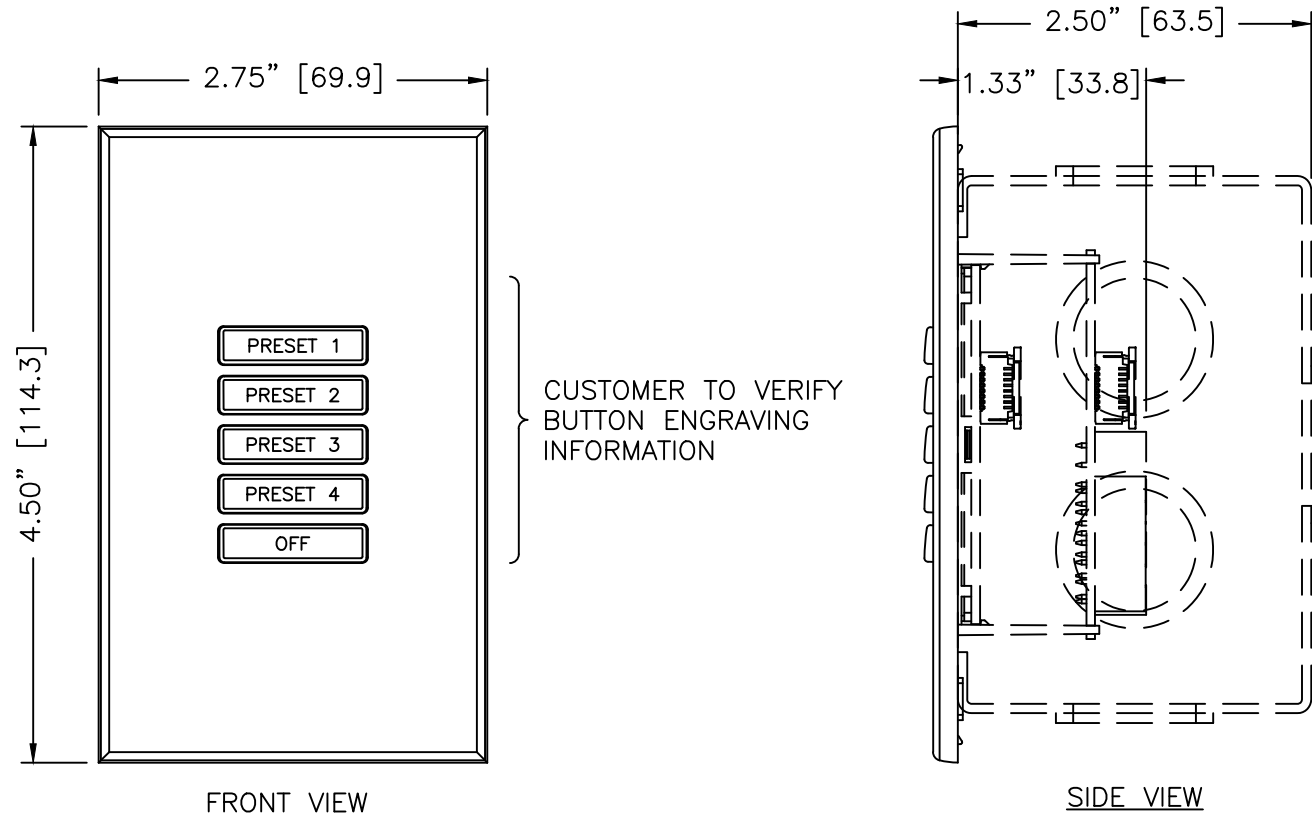
DEVICE NO.	DEVICE TYPE	LOCATION	COLOR	MOUNTING	BUTTON #1	BUTTON #2
HL-01	H1	SLL HOUSE RIGHT	GREY	FLUSH-MOUNT	ON	OFF
HL-02	H1	SLL HOUSE LEFT	GREY	FLUSH-MOUNT	ON	OFF
HL-07	H1	HR CONTROL RM LVL	BLACK	FLUSH-MOUNT	ON	OFF
HL-08	H1	LIFT CONTROL RM LVL	BLACK	FLUSH-MOUNT	ON	OFF

CUSTOMER TO VERIFY DEVICE NO, DEVICE TYPE, LOCATION, COLOR, MOUNT AND BUTTON ENGRAVING INFORMATION

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						DRAWN BY	DATE	GARRETT COLLEGE MCHENRY, MARYLAND				PROSCENIUM THEATRE		
						APPVD BY	DATE	STRAND P/N		TITLE				
						UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE	SCALE	SHEET	OF	
								B	N.T.S.	1	1			
APPVD	DWN	REV	DATE	REV DESCRIPTION		VISION.NET 2-BUTTON STATION CHART							DRAWING NO. 739460-110A	REV A
	pr	A	05/19/21	REVISED COLOR SELECTION PER MARK UPS										

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(6) UNITS PROVIDED:
SEE CHART DWG. 111A

VISION.NET STATION COLOR SELECTION OPTIONS			
STATION PART NUMBER	MARK DESIRED COLOR	FACEPLATE / BUTTON COLOR	DESCRIPTION
63398	☐	WHITE	5-BUTTON STATION (WHITE)
	☐	IVORY	5-BUTTON STATION (IVORY)
	☐	ALMOND	5-BUTTON STATION (ALMOND)
	☐	GRAY	5-BUTTON STATION (GRAY)
	☒	BLACK	5-BUTTON STATION (BLACK)
	☐	BROWN	5-BUTTON STATION (BROWN)
	☐	CUSTOM	5-BUTTON STATION (CUSTOM)

FACEPLATE:
INJECTION MOLDED ENGINEERING PLASTIC

BUTTONS:
INJECTION MOLDED ENGINEERING PLASTIC
BACKLIT, ENGRAVABLE KEYCAPS

APPEARANCE:
SCREWLESS FACEPLATE
LEGENDS:
ENGRAVED

BACKBOX:
1-GANG MASONRY BOX, 2.50" DEEP
e.g. RACO 690 OR EQUIVALENT
BOX PROVIDED BY E.C., NOT BY
STRAND LIGHTING

BACKBOX MUST BE GROUNDED

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DESIGNER	ENGINEER	JOB NAME		SYSTEM	
DRAWN BY	DATE	GARRETT COLLEGE MCHENRY, MARYLAND		PROSCENIUM THEATRE	
APPROD BY	DATE	STRAND P/N	TITLE	DRAWING NO.	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B	SCALE 1:4/3	SHEET 1 OF 1
		63398	VISION.NET 5-BUTTON STATION "H2"	739460-111	

VISION.NET 5-BUTTON STATION CHART

DEVICE NO.	DEVICE TYPE	LOCATION	COLOR	MOUNTING	BUTTON #1	BUTTON #2	BUTTON #3	BUTTON #4	BUTTON #5
HL-03	H2	SL PROSCENIUM	BLACK	FLUSH-MOUNT	PRESET 1	PRESET 2	PRESET 3	PRESET 4	OFF
HL-05	H2	UPSTAGE LEFT	BLACK	FLUSH-MOUNT	PRESET 1	PRESET 2	PRESET 3	PRESET 4	OFF
HL-06	H2	UPSTAGE RIGHT	BLACK	FLUSH-MOUNT	PRESET 1	PRESET 2	PRESET 3	PRESET 4	OFF
HL-10	H2	CONTROL RM HL	BLACK	FLUSH-MOUNT	PRESET 1	PRESET 2	PRESET 3	PRESET 4	OFF
HL-11	H2	ROH CATWALK LVL	BLACK	FLUSH-MOUNT	PRESET 1	PRESET 2	PRESET 3	PRESET 4	OFF
HL-12	H2	SL GALLERY	BLACK	FLUSH-MOUNT	PRESET 1	PRESET 2	PRESET 3	PRESET 4	OFF

CUSTOMER TO VERIFY DEVICE NO, DEVICE TYPE, LOCATION, COLOR, MOUNT AND BUTTON ENGRAVING INFORMATION

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APPVD	DWN	REV	DATE	REV DESCRIPTION



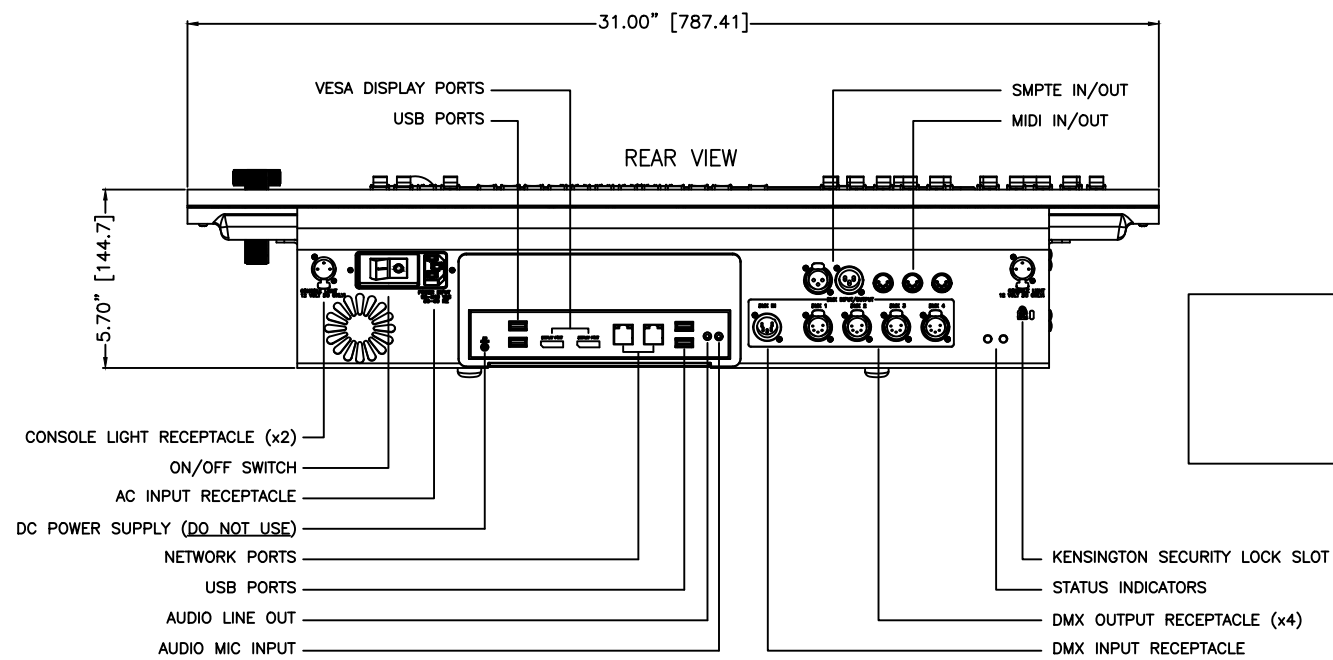
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APPVD BY	DATE	STRAND P/N		TITLE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B	SCALE N.T.S.
				SHEET 1	OF 1

VISION.NET
5-BUTTON
STATION CHART

DRAWING NO.
739460-111A

REV



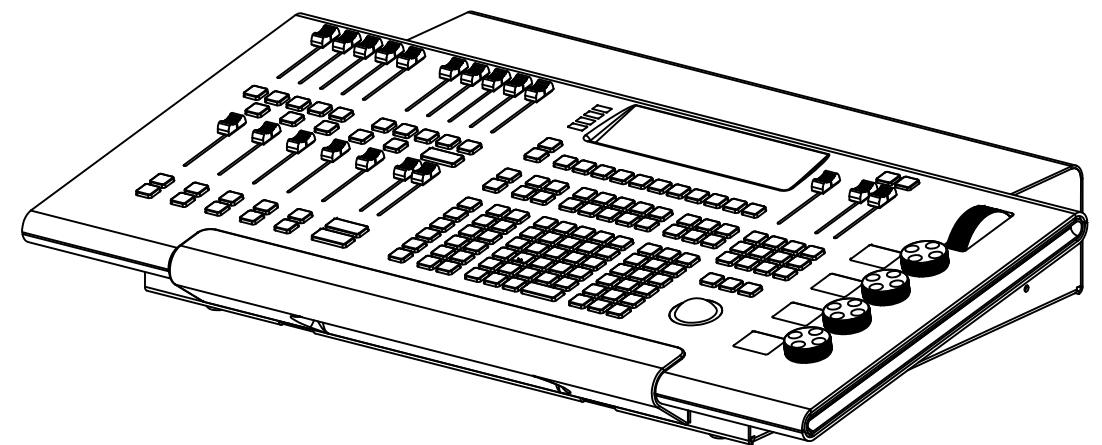
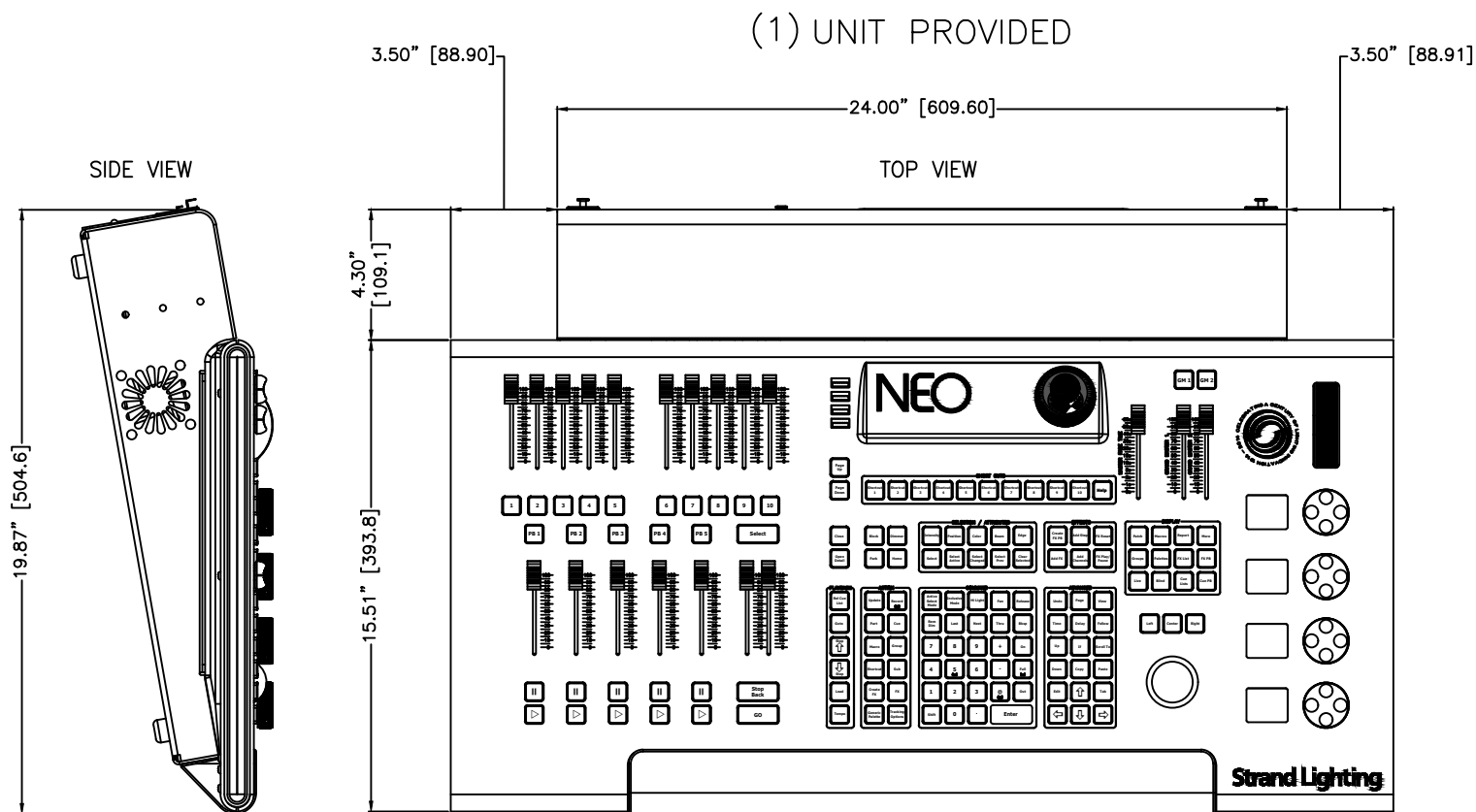
CONSOLE SUPPLIED WITH:
(4) UNIVERSES OF DMX

- FEATURES:
- UP TO 100 UNIVERSES OF DMX PER CONSOLE
 - 10 MOTORIZED SUBMASTERS
 - MOTORIZED A/B PLAYBACK FADERS
 - 5 MOTORIZED MULTI-FUNCTION FADERS
 - DUAL MOTORIZED GRAND MASTER
 - INDIVIDUALLY CONTROLLED BACKLIT KEYS
 - 4 INDENTED PUSH ENCODERS
 - COLOR LCD SCREENS FOR ENCODER ASSIGNMENTS
 - KEYBOARD DRAWER WITH STORAGE AND USB PORT (KEYBOARD INCLUDED)
 - TOUCHSCREEN CAPABLE INTERFACE
 - UNLIMITED CUES, CUE LISTS, GROUPS, PALETTES, EFFECTS AND MACROS
 - TEMPO BUTTON FOR SYNCING PLAYBACK

INCLUDES: DUST COVER, POWER SUPPLY,
(2) DESK LAMPS AND QUICK START GUIDE

TECHNICAL SPECIFICATIONS:
VOLTAGE: 100–240 VAC
OPERATING TEMP: 0 – 40°C
32 – 104°F
WEIGHT: 37.0 LBS (16.8 KG)

- CONNECTIVITY:
- (2) RJ45 PORTS
 - (4) USB PORTS (3.0)
 - (5) USB PORTS (2.0)
 - (2) VESA DISPLAY PORTS
 - (1) DMX-IN PORT
 - (4) DMX-OUT PORTS
 - (1) MIDI IN/OUT PORT
 - (1) SMPTE IN/OUT PORT



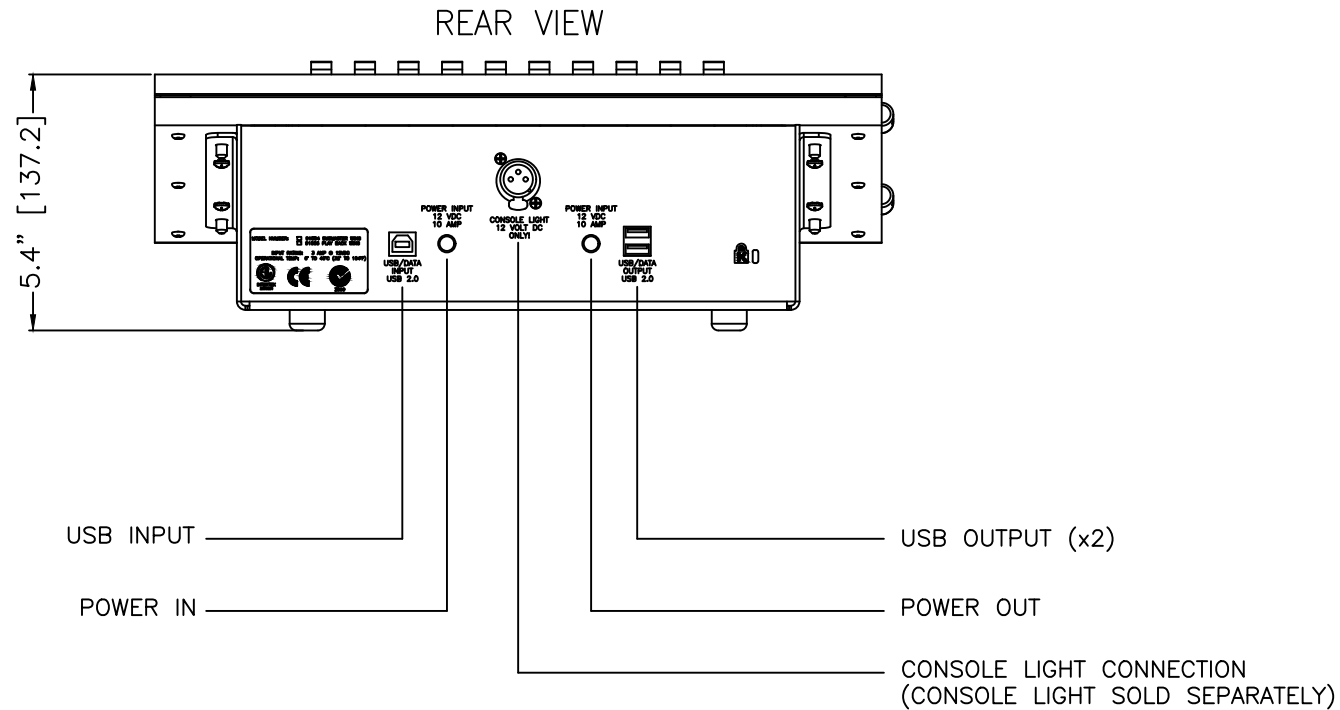
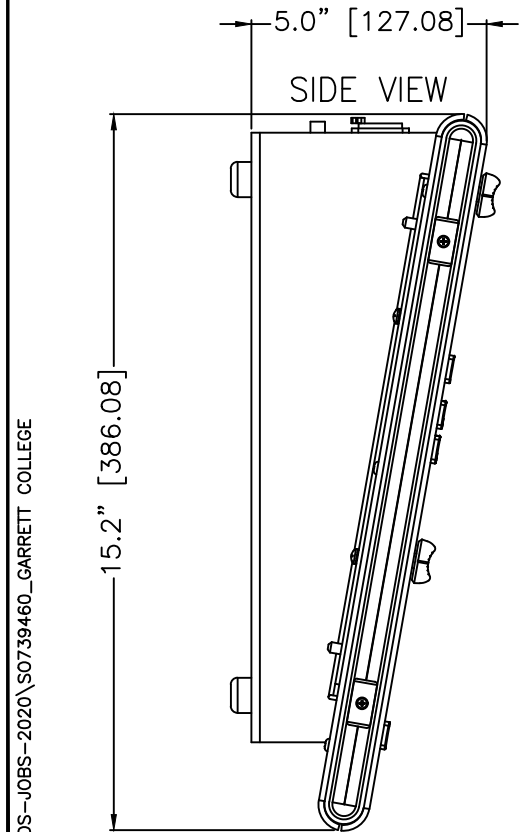
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						Strand Lighting THIS DOCUMENT IS THE CONFIDENTIAL PROPERTY OF STRAND LIGHTING AND IS LOANED SUBJECT TO RETURN UPON DEMAND. TITLE TO THIS DOCUMENT IS NEVER SOLD OR TRANSFERRED FOR ANY REASON. THIS DOCUMENT IS TO BE USED ONLY PURSUANT TO WRITTEN LICENSE OR WRITTEN INSTRUCTIONS OF STRAND LIGHTING. ALL RIGHTS TO DESIGNS AND INVENTIONS ARE RESERVED BY STRAND LIGHTING. POSSESSION OF THE DOCUMENT IS ACCEPTED SUBJECT TO THE FOREGOING.	DESIGNER	ENGINEER	JOB NAME			SYSTEM	
							DRAWN BY	DATE	GARRETT COLLEGE MCHENRY, MARYLAND			PROSCENIUM THEATRE	
							APPROV BY	DATE	STRAND P/N	TITLE	DRAWING NO.		
APPVD	DWN	REV	DATE	REV DESCRIPTION			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B	SCALE 1:6	SHEET 1 OF 1	REV A

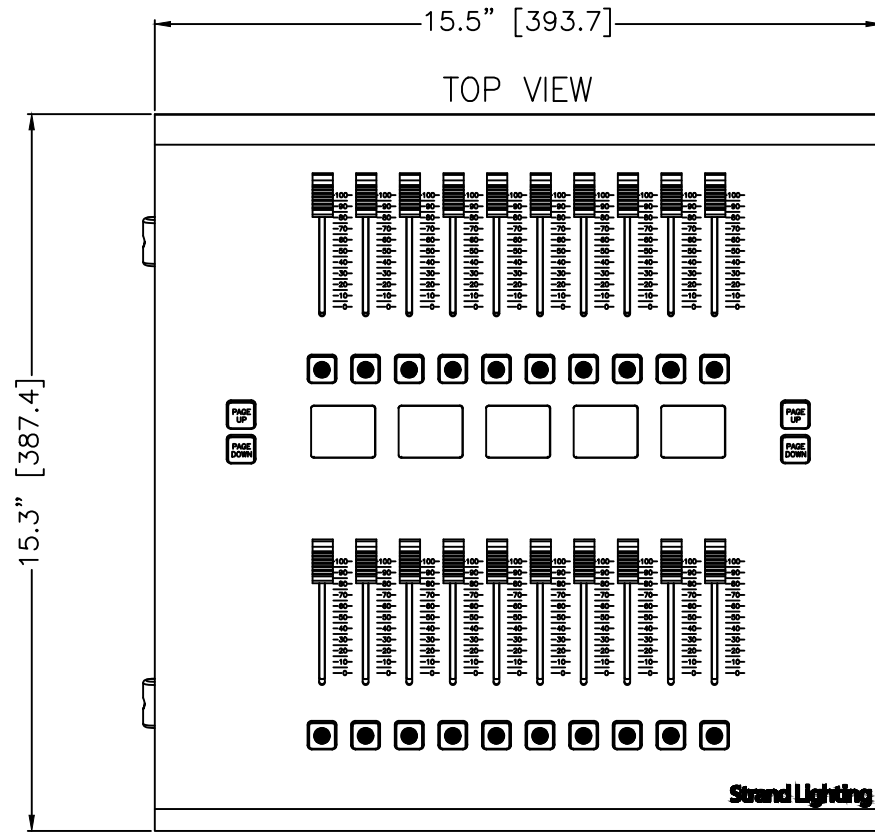
Z:\DS-JOBS-2020\S0739460_GARRETT COLLEGE

APPVD	DWN	REV	DATE	REV DESCRIPTION

Strand Lighting		THIS DOCUMENT IS THE CONFIDENTIAL PROPERTY OF STRAND LIGHTING AND IS LOANED SUBJECT TO RETURN UPON DEMAND. TITLE TO THIS DOCUMENT IS NEVER SOLD OR TRANSFERRED FOR ANY REASON. THIS DOCUMENT IS TO BE USED ONLY PURSUANT TO WRITTEN LICENSE OR WRITTEN INSTRUCTIONS OF STRAND LIGHTING. ALL RIGHTS TO DESIGNS AND INVENTIONS ARE RESERVED BY STRAND LIGHTING. POSSESSION OF THE DOCUMENT IS ACCEPTED SUBJECT TO THE FOREGOING.		DESIGNER	ENGINEER	JOB NAME		SYSTEM	
				DRAWN BY CC	DATE 12/07/20	GARRETT COLLEGE MCHENRY, MARYLAND		PROSCENIUM THEATRE	
				APPVD BY	DATE	STRAND P/N 91004	TITLE NEO LIGHTING CONSOLE SUBMASTER WING	DRAWING NO. 739460-113	REV
				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B	SCALE 1:4	SHEET 1 OF 1



(1) UNIT PROVIDED



FEATURES (SUBMASTER WING):

- (20) NON-MOTORIZED SUBMASTERS
- (20) BACKLIT BUMP BUTTONS (1 PER FADER)
- PAGE UP AND DOWN BACKLIT BUTTONS FOR INDEPENDENT PAGING
- (5) COLOR LCD DISPLAYS FOR FADER ID
- USB CONNECTIVITY TO A NEO CONTROL CONSOLE
- USB COMMUNICATION DAISY CHAIN BETWEEN WINGS
- POWERED FROM CONSOLE OR FROM EXTERNAL POWER SUPPLY (91009 – SOLD SEPARATELY)
- MAXIMUM OF (3) WINGS TOTAL CAN BE CONNECTED TO EACH NEO CONTROL CONSOLE
- KENSINGTON LOCK SLOT AT BACK OF UNIT
- (1) XLR 3-PIN POWER FOR A CONSOLE LIGHT (SOLD SEPARATELY)
- OPERATES ON SOFTWARE VERSION 3.4 AND NEWER

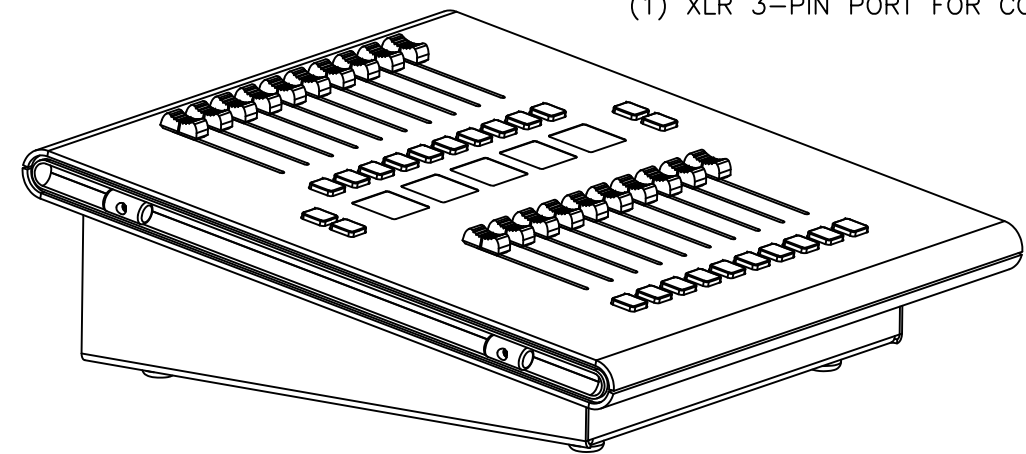
INCLUDES: WING DUST COVER, USB CABLE (1.5 METERS), POWER CABLE (1.5 METERS) AND A QUICK START GUIDE

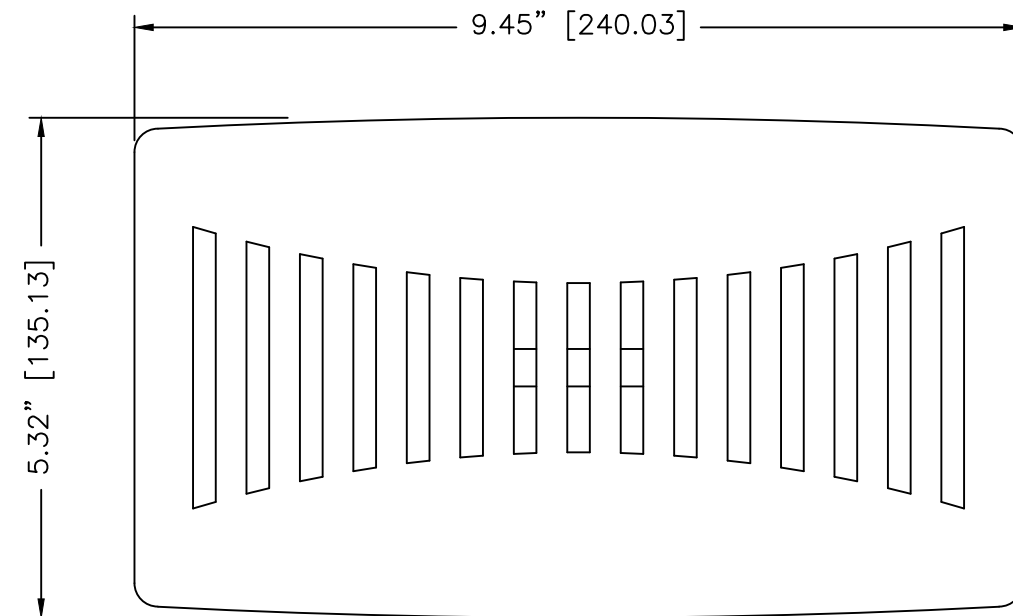
TECHNICAL SPECIFICATIONS:

VOLTAGE: 12VDC
OPERATING TEMP: 0 – 40°C
(32 – 104°F)
WEIGHT: 12.25 LBS (5.55 KG)

CONNECTIVITY:

- (1) USB INPUT PORT (2.0) TYPE B
- (2) USB OUTPUT PORTS (2.0) TYPE A
- (1) POWER INPUT PORT
- (1) POWER OUTPUT PORT
- (1) XLR 3-PIN PORT FOR CONSOLE LIGHT





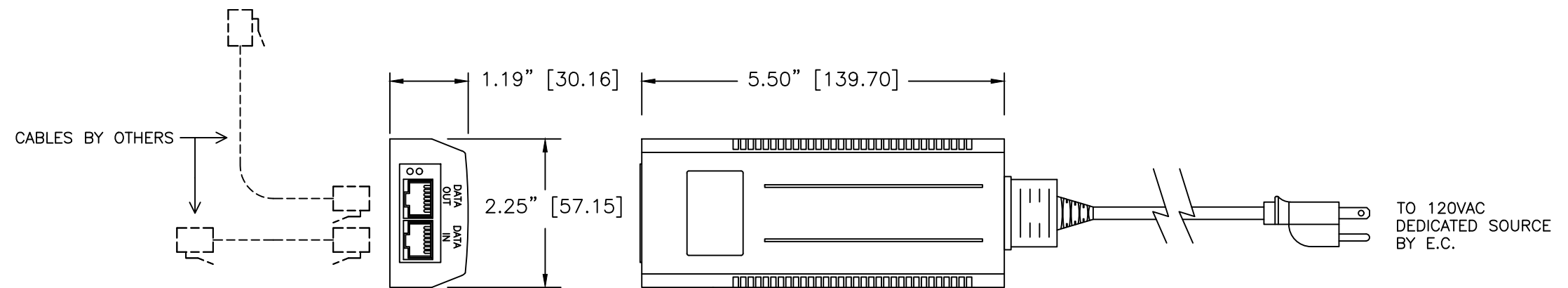
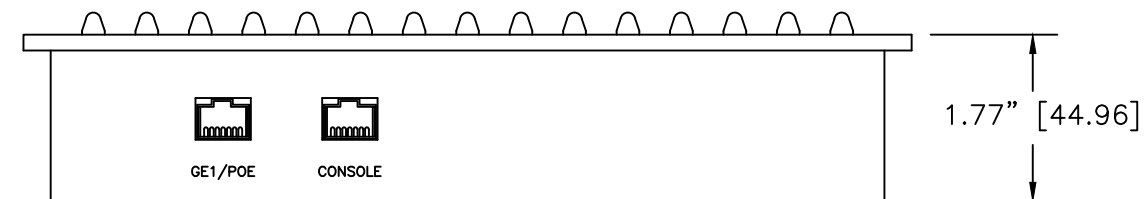
NOTE TO CONTRACTOR:

MOUNTING HOLES ARE LOCATED
IN THE REAR OF SWITCH AND
POE INJECTOR

INCLUDES THE FOLLOWING
COMPONENTS:

- * WIRELESS ACCESS POINT, AP-7522E-67030-US
WITH POE INJECTOR

(1) UNIT PROVIDED

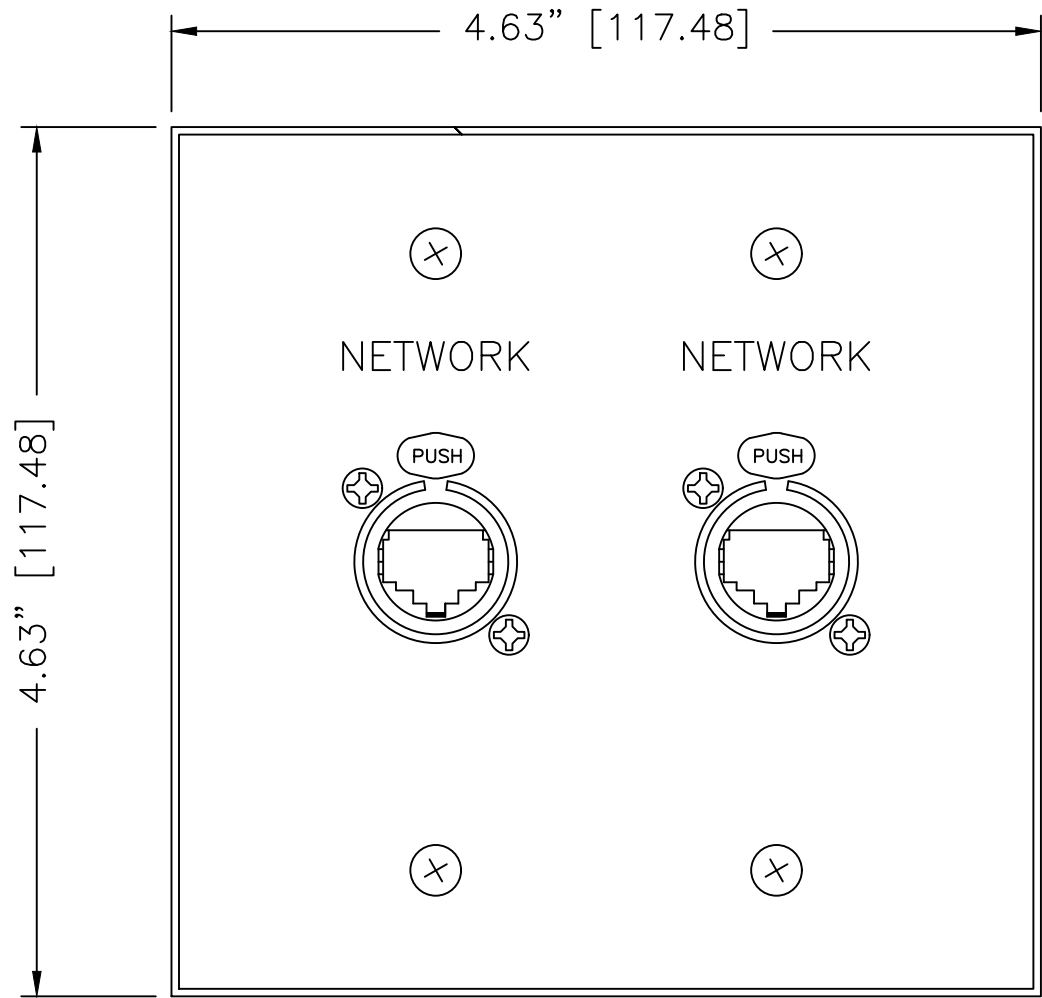


Strand Lighting

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DESIGNER	ENGINEER	JOB NAME		SYSTEM	
DRAWN BY CC	DATE 12/07/20	GARRETT COLLEGE MCHENRY, MARYLAND		PROSCENIUM THEATRE	
APPROD BY	DATE	STRAND P/N 66148	TITLE WIRELESS BASE STATION	DRAWING NO. 739460-114	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B	SCALE 1:2	SHEET 1 OF 1

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FRONT VIEW

(11) UNITS PROVIDED
SEE CHART DWG. 115A

MATERIAL:

PANEL: .125" ALUMINUM

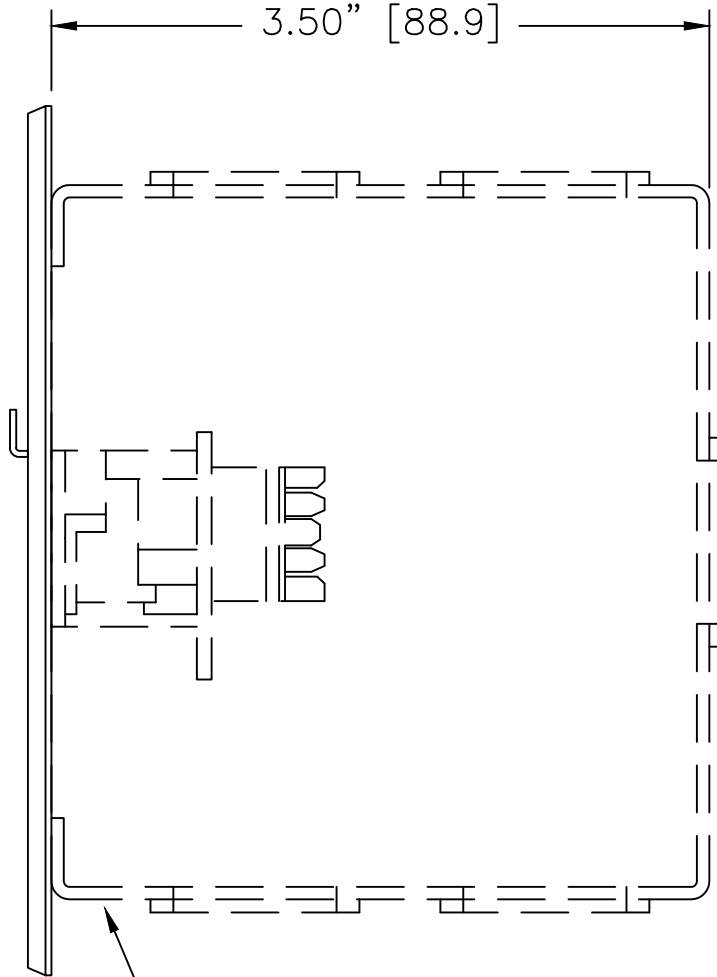
FINISH:

PANEL: BLACK

LEGENDS:

.150" HIGH LASER ENGRAVED CHARACTERS

BACK BOX MUST BE GROUNDED

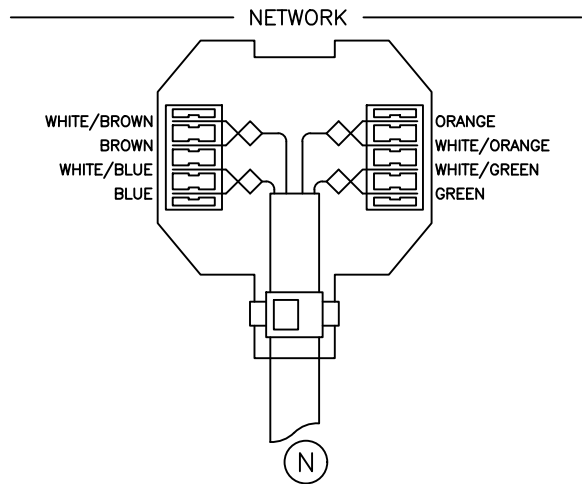


SIDE VIEW

2-GANG BACKBOX
BY E.C.

CATEGORY 5 ETHERNET NOTES:

USE ONLY CERTIFIED CATEGORY 5 CABLE, BELDEN #1583A (BLUE JACKET RECOMMENDED). NO DAISY CHAINING, SUBSTITUTIONS, OR SPlicing ALLOWED. TOTAL LENGTH OF ANY CABLE NOT TO EXCEED 300 FT. IF ANY CABLE EXCEEDS 300 FEET ADDITIONAL NETWORKING HARDWARE AND ENGINEERING CHANGES FROM STRAND LIGHTING (AT AN ADDITIONAL CHARGE) MAY BE REQUIRED. THIS CABLE MUST BE INSTALLED AND TERMINATED IN COMPLIANCE WITH TIA/EIA-568 STANDARDS FOR CATEGORY 5 CABLING. TERMINATIONS ARE TO BE MADE USING THE 568B COLOR CODE. ELECTRICAL CONTRACTOR TO CERTIFY ALL CATEGORY 5 CABLES AND TERMINATIONS.



APPVD	DWN	REV	DATE	REV DESCRIPTION

Strand Lighting

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DESIGNER	ENGINEER	JOB NAME			SYSTEM	
DRAWN BY CC	DATE 12/07/20	GARRETT COLLEGE MCHENRY, MARYLAND			PROSCENIUM THEATRE	
APPVD BY	DATE	STRAND P/N 54003-204	TITLE DUAL NETWORK RECEPTACLE STATION FLUSH-MOUNT "ET2"	DRAWING NO. 739460-115	REV	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING	SIZE B	SCALE 1:1	SHEET 1 OF 1	

DUAL NETWORK RECEPTACLE STATION CHART

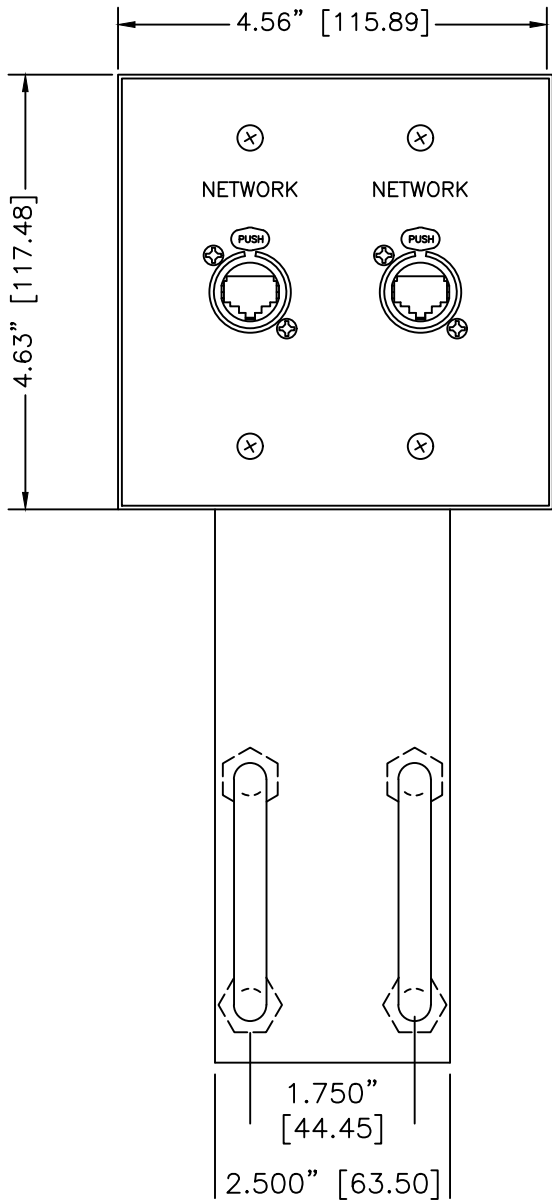
DEVICE NO.	DEVICE TYPE	LOCATION	COLOR	MOUNTING	NETWORK TAP #, #
ET-01	ET2	ORCHESTRA PIT	BLACK	FLUSH-MOUNT	
ET-03	ET2	SL PROSCENIUM WALL	BLACK	FLUSH-MOUNT	
ET-04	ET2	SR PROSCENIUM WALL	BLACK	FLUSH-MOUNT	
ET-05	ET2	UPSTAGE LEFT	BLACK	FLUSH-MOUNT	
ET-06	ET2	UPSTAGE RIGHT	BLACK	FLUSH-MOUNT	
ET-07	ET2	CONTROL ROOM	BLACK	FLUSH-MOUNT	
ET-08	ET2	CONTROL BOOTH FRONT-BELOW WINDOW	BLACK	FLUSH-MOUNT	
ET-09	ET2	FAR BOX BOOM HR	BLACK	FLUSH-MOUNT	
ET-10	ET2	FAR BOX BOOM HL	BLACK	FLUSH-MOUNT	
ET-11	ET2	NEAR BOX BOOM HR	BLACK	FLUSH-MOUNT	
ET-12	ET2	NEAR BOX BOOM HL	BLACK	FLUSH-MOUNT	

CUSTOMER TO VERIFY DEVICE NO, DEVICE TYPE, LOCATION, COLOR AND MOUNTING INFORMATION

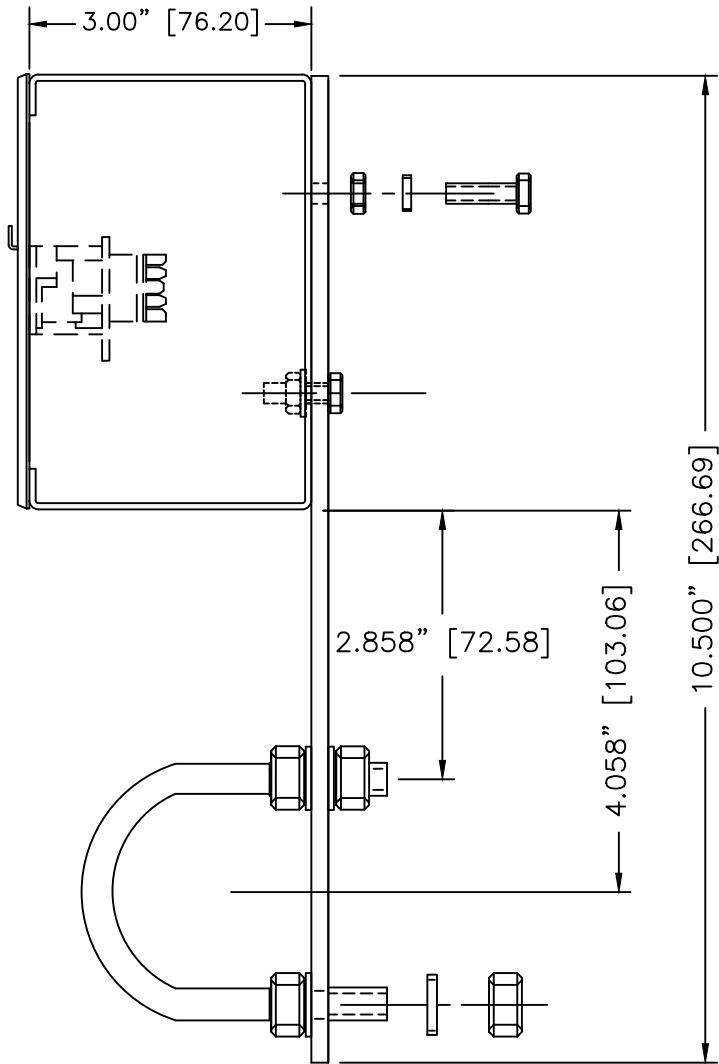
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					Strand Lighting THIS DOCUMENT IS THE CONFIDENTIAL PROPERTY OF STRAND LIGHTING AND IS LOANED SUBJECT TO RETURN UPON DEMAND. TITLE TO THIS DOCUMENT IS NEVER SOLD OR TRANSFERRED FOR ANY REASON. THIS DOCUMENT IS TO BE USED ONLY PURSUANT TO WRITTEN LICENSE OR WRITTEN INSTRUCTIONS OF STRAND LIGHTING. ALL RIGHTS TO DESIGNS AND INVENTIONS ARE RESERVED BY STRAND LIGHTING. POSSESSION OF THE DOCUMENT IS ACCEPTED SUBJECT TO THE FOREGOING.	DESIGNER	ENGINEER	JOB NAME			SYSTEM	
						DRAWN BY	DATE	GARRETT COLLEGE MCHENRY, MARYLAND			PROSCENIUM THEATRE	
						APPROD BY	DATE	STRAND P/N			TITLE	
								SIZE	SCALE	SHEET	DUAL NETWORK RECEPTACLE STATION CHART	
								B	N.T.S.	1 of 1	DRAWING NO. 739460-115A	
APPVD	DWN	REV	DATE	REV DESCRIPTION			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	TOLERANCES ARE: .XX ± .010 .XXX ± .005	DO NOT SCALE DRAWING			

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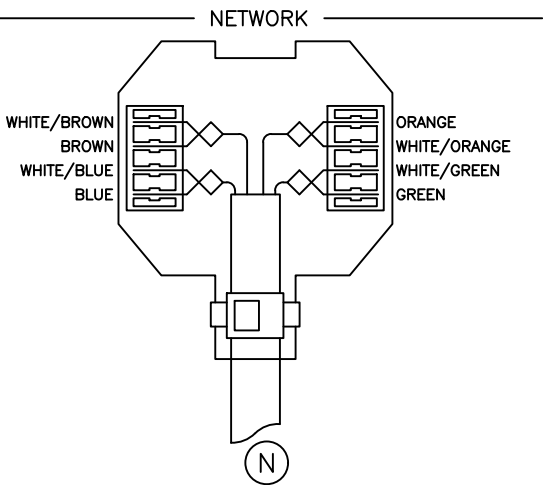
FRONT VIEW



SIDE VIEW

CATEGORY 5 ETHERNET NOTES:

USE ONLY CERTIFIED CATEGORY 5 CABLE, BELDEN #1583A (BLUE JACKET RECOMMENDED). NO DAISY CHAINING, SUBSTITUTIONS, OR SPLICING ALLOWED. TOTAL LENGTH OF ANY CABLE NOT TO EXCEED 300 FT. IF ANY CABLE EXCEEDS 300 FEET ADDITIONAL NETWORKING HARDWARE AND ENGINEERING CHANGES FROM STRAND LIGHTING (AT AN ADDITIONAL CHARGE) MAY BE REQUIRED. THIS CABLE MUST BE INSTALLED AND TERMINATED IN COMPLIANCE WITH TIA/EIA-568 STANDARDS FOR CATEGORY 5 CABLING. TERMINATIONS ARE TO BE MADE USING THE 568B COLOR CODE. ELECTRICAL CONTRACTOR TO CERTIFY ALL CATEGORY 5 CABLES AND TERMINATIONS.



MATERIAL:

PANEL: .125" ALUMINUM

FINISH:

PANEL: BLACK

LEGENDS:

.150" HIGH LASER ENGRAVED CHARACTERS

(8) UNITS PROVIDED
SEE DWG. CHART 117A

BACK BOX MUST BE GROUNDED

APPVD	DWN	REV	DATE	REV DESCRIPTION

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DESIGNER	ENGINEER	JOB NAME		SYSTEM	
DRAWN BY	DATE	STRAND P/N		TITLE	
CC	12/07/20	54003-204 + 54003-902		GARRETT COLLEGE MCHENRY, MARYLAND DUAL NETWORK RECEPTACLE STATION PIPE-MOUNT "ET2"	
APPVD BY	DATE	SIZE	SCALE	SHEET	REV
		B	1:2	1 OF 1	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES ARE: .XX ± .010 .XXX ± .005		DRAWING NO. 739460-117	

DUAL NETWORK RECEPTACLE STATION CHART					
DEVICE NO.	DEVICE TYPE	LOCATION	COLOR	MOUNTING	NETWORK TAP #, #
ET-15	ET2	SECOND CATWALK HR	BLACK	PIPE-MOUNT	
ET-16	ET2	SECOND CATWALK HL	BLACK	PIPE-MOUNT	
ET-17	ET2	FIRST CATWALK HR	BLACK	PIPE-MOUNT	
ET-18	ET2	FIRST CATWALK HL	BLACK	PIPE-MOUNT	
ET-19	ET2	SL GALLERY 1	BLACK	PIPE-MOUNT	
ET-20	ET2	SL GALLERY 2	BLACK	PIPE-MOUNT	
ET-21	ET2	SL GALLERY 3	BLACK	PIPE-MOUNT	
ET-22	ET2	SL GALLERY 4	BLACK	PIPE-MOUNT	

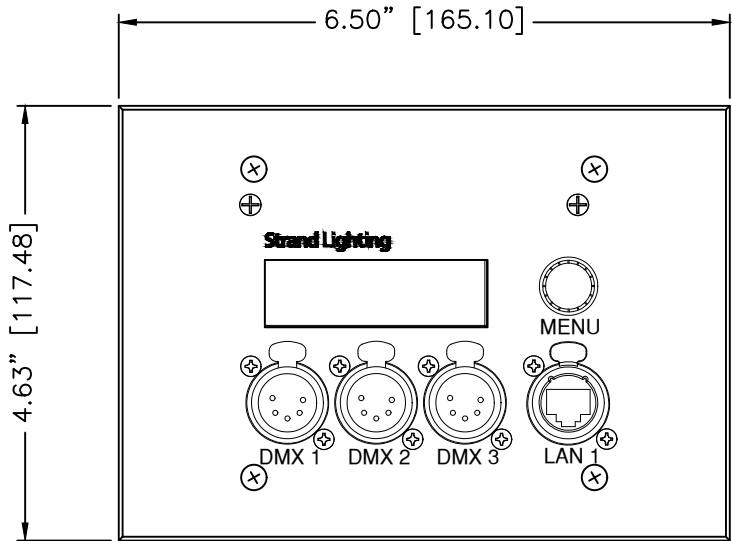
CUSTOMER TO VERIFY DEVICE NO, DEVICE TYPE, LOCATION, COLOR AND MOUNTING INFORMATION

THIS DOCUMENT IS THE CONFIDENTIAL PROPERTY OF STRAND LIGHTING AND IS LOANED SUBJECT TO RETURN UPON DEMAND. TITLE TO THIS DOCUMENT IS NEVER SOLD OR TRANSFERRED FOR ANY REASON. THIS DOCUMENT IS TO BE USED ONLY PURSUANT TO WRITTEN LICENSE OR WRITTEN INSTRUCTIONS OF STRAND LIGHTING. ALL RIGHTS TO DESIGNS AND INVENTIONS ARE RESERVED BY STRAND LIGHTING. POSSESSION OF THE DOCUMENT IS ACCEPTED SUBJECT TO THE FOREGOING.

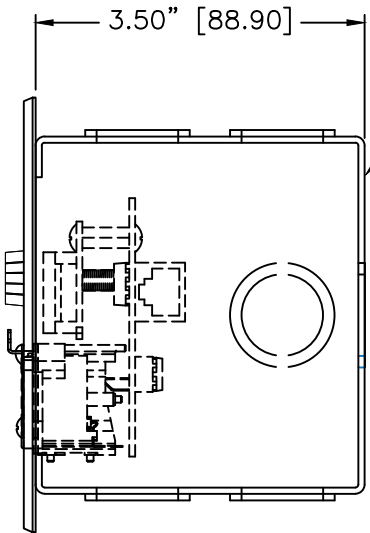
APPVD	DWN	REV	DATE	REV DESCRIPTION

CATEGORY 5E ETHERNET NOTES:

USE ONLY CERTIFIED CATEGORY 5e CABLE, BELDEN #1583A. NO DAISY CHAINING, SUBSTITUTIONS, OR SPLICING ALLOWED. TOTAL LENGTH OF ANY CABLE NOT TO EXCEED 300 FT. IF ANY CABLE EXCEEDS 300 FEET ADDITIONAL NETWORKING HARDWARE AND ENGINEERING CHANGES FROM STRAND LIGHTING (AT AN ADDITIONAL CHARGE) MAY BE REQUIRED. THIS CABLE MUST BE INSTALLED AND TERMINATED IN COMPLIANCE WITH TIA/EIA-568 STANDARDS FOR CATEGORY 5 CABLING. TERMINATIONS ARE TO BE MADE USING THE 568B COLOR CODE. ELECTRICAL CONTRACTOR TO CERTIFY ALL CATEGORY 5e CABLES AND TERMINATIONS.



FRONT VIEW
(2) UNITS PROVIDED
SEE CHART DWG. 118A



SIDE VIEW

#66803
3-GANG MASONRY BACK BOX
PROVIDED BY STRAND LIGHTING

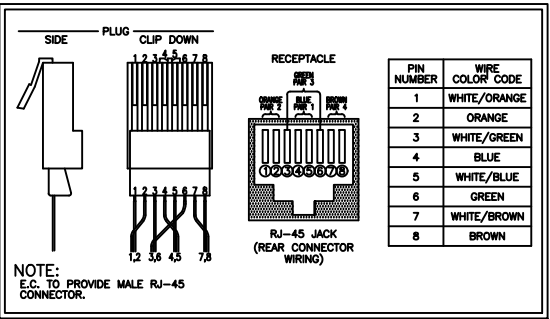
TECHNICAL SPECIFICATIONS:

INPUT POWER:
POWERED OVER ETHERNET (POE)

OPERATING TEMP:
32-104°F/0-40°C

CONNECTIVITY:
65163 (3-PORT): DMX: (3) EACH, 5-PIN FEMALE XLR
ETHERNET: (2) EACH RJ45

NET PROTOCOLS: E1.31 STREAMING ACN (sACN), ART-NET,
SHOWNET, RDM.



BOXES MUST BE GROUNDED

NOTES:

BACK BOXES MUST BE GROUNDED

MATERIAL:

PANEL: .125" ALUMINUM

FINISH:

PANEL: BLACK

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APPVD	DWN	REV	DATE	REV DESCRIPTION

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DESIGNER		ENGINEER		JOB NAME				SYSTEM	
DRAWN BY CC		DATE 12/07/20		GARRETT COLLEGE MCHENRY, MARYLAND				PROSCENIUM THEATRE	
APPVD BY		DATE		STRAND P/N 65163-FM		TITLE 3-PORT NODE FLUSH-MOUNT "EG"		DRAWING NO. 739460-118	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES ARE: JCX JXX ± .010 JXX ± .005		DO NOT SCALE DRAWING		SIZE B		SCALE 1:2	
						SHEET 1 OF 1		REV	

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3-PORT NODE CHART			
DEVICE NO.	DEVICE TYPE	LOCATION	MOUNTING
EG-01	EG	STAGE LEFT PROSCENIUM WALL	FLUSH-MOUNT
EG-02	EG	STAGE RIGHT PROSCENIUM WALL	FLUSH-MOUNT

CUSTOMER TO VERIFY DEVICE NO, DEVICE TYPE, LOCATION AND MOUNTING INFORMATION

						Strand Lighting THIS DOCUMENT IS THE CONFIDENTIAL PROPERTY OF STRAND LIGHTING AND IS LOANED SUBJECT TO RETURN UPON DEMAND; TITLE TO THIS DOCUMENT IS NEVER SOLD OR TRANSFERRED FOR ANY REASON. THIS DOCUMENT IS TO BE USED ONLY PURSUANT TO WRITTEN LICENSE OR WRITTEN INSTRUCTIONS OF STRAND LIGHTING. ALL RIGHTS TO DESIGNS AND INVENTIONS ARE RESERVED BY STRAND LIGHTING. POSSESSION OF THE DOCUMENT IS ACCEPTED SUBJECT TO THE FOREGOING.	DESIGNER	ENGINEER	JOB NAME			GARRETT COLLEGE MCHENRY, MARYLAND		SYSTEM								
							DRAWN BY	CC	DATE	12/07/20		STRAND P/N			TITLE		3—PORT NODE FLUSH—MOUNT CHART		DRAWING NO.		REV	
							APPVD BY		DATE										739460—118A			
APPVD	DWN	REV	DATE	REV DESCRIPTION			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			TOLERANCES ARE:		.XX ± .010 .XXX ± .005		DO NOT SCALE DRAWING		SIZE	SCALE	SHEET 1 OF 1				

Z:\DS-JOBS-2020\50739460_GARRETT COLLEGE

3-PORT NODE CHART			
DEVICE NO.	DEVICE TYPE	LOCATION	MOUNTING
EG-03	EG	SECOND CATWALK CENTER	PIPE-MOUNT
EG-04	EG	FIRST CATWALK CENTER	PIPE-MOUNT

CUSTOMER TO VERIFY DEVICE NO, DEVICE TYPE, LOCATION AND MOUNTING INFORMATION

					Strand Lighting THIS DOCUMENT IS THE CONFIDENTIAL PROPERTY OF STRAND LIGHTING AND IS LOANED SUBJECT TO RETURN UPON DEMAND. TITLE TO THIS DOCUMENT IS NEVER SOLD OR TRANSFERRED FOR ANY REASON. THIS DOCUMENT IS TO BE USED ONLY PURSUANT TO WRITTEN LICENSE OR WRITTEN INSTRUCTIONS OF STRAND LIGHTING. ALL RIGHTS TO DESIGNS AND INVENTIONS ARE RESERVED BY STRAND LIGHTING. POSSESSION OF THE DOCUMENT IS ACCEPTED SUBJECT TO THE FOREGOING.	DESIGNER	ENGINEER	JOB NAME		GARRETT COLLEGE MCHENRY, MARYLAND		SYSTEM		
						DRAWN BY	CC	DATE	12/07/20				PROSCENIUM THEATRE	
						APPVD BY		DATE	STRAND P/N		TITLE		3-PORT PIPE MOUNT NODE "EG" CHART	
						UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES ARE: .XX ± .010 .XXX ± .005		DO NOT SCALE DRAWING		SIZE	SCALE	SHEET
												B	N.T.S.	1 OF 1
APPVD	DWN	REV	DATE	REV DESCRIPTION								DRAWING NO. 739460-119A		REV A