

***LAKE HIGHLANDS HIGH SCHOOL - STUDIO***  
***RICHARDSON, TEXAS***  
***JOB #15064253***

INDEX OF DRAWINGS			
DRAWING	RELEASE B C	REVISION	DRAWING DESCRIPTION
001	<input type="checkbox"/> <input type="checkbox"/>	--	PROJECT NOTES
002	<input type="checkbox"/> <input type="checkbox"/>	--	SYSTEM RISER
003	<input type="checkbox"/> <input type="checkbox"/>	--	CONTROL WIRING DIAGRAM
004	<input type="checkbox"/> <input type="checkbox"/>	--	SENSOR IQ48 BOM & LOAD SCHEDULE
005	<input type="checkbox"/> <input type="checkbox"/>	--	ADDITIONAL COMPONENTS
006	<input type="checkbox"/> <input type="checkbox"/>	--	TYPICAL WIRING TEMPLATE
007	<input type="checkbox"/> <input type="checkbox"/>	--	TYPICAL EMERGENCY WIRING TEMPLATE

**FOR SYSTEM ENERGIZATION, CONTACT THE PROJECT MANAGER  
AT LEAST THREE WEEKS PRIOR TO YOUR REQUESTED DATE.**



**ETC, Inc.**

**3031 Pleasant View Rd  
PO Box 620979  
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Toll Free +1 800 688 4116  
Fax +1 608 836 1736  
[etconnect.com](http://etconnect.com)**

**UNLESS OTHERWISE SPECIFIED  
ALL DIMENSIONS ARE IN INCHES.**

**ORIGINAL FILE:**  
INDEX.DWG

**CONTRACT WITH:**

TEXAS SCENIC COMPANY, INC.

**REPRESENTATIVE:**

HORTON CONTROLS GROUP

PROJECT MANAGER:

LEEAH STICKELMAIER

**APPLICATIONS ENGINEER:**

**DRAWING TITLE:**

TITLE PAGE/DRAWING INDEX

TW	10/19/20	SUBMITTAL
BY	DATE	REV.

**JOB:**

LAKE HIGHLANDS  
HIGH SCHOOL – STUDIO

**LOCATION:**

RICHARDSON, TEXAS

**JOB NUMBER:**

15064253

**DRAWING:**

000





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**ORIGINAL FILE:**  
RISER-SENSOR ICON.DWG

**CONTRACT WITH:**  
TEXAS SCENIC COMPANY, INC.

**REPRESENTATIVE:**  
HORTON CONTROLS GROUP

**PROJECT MANAGER:**  
LEEAH STICKELMAIER

**APPLICATIONS ENGINEER:**

**DRAWING TITLE**

SYSTEM RISER

TW	10/19/20	SUBMITTA
BY	DATE	REV.

**JOB:**

LAKE HIGHLANDS  
HIGH SCHOOL – STUDIO

**LOCATION:**  
RICHARDSON, TEXAS

**JOB NUMBER:**  
**15064253**

DRAWING: 002

**NOTE:**

ALL CONTROL WIRING IS PROVIDED BY OTHERS UNLESS NOTED OTHERWISE

### STATION COLOR AND MOUNTING KEY

COLOR DETAIL	
KEY	DESCRIPTION
CRM	CREAM (RAL 9001)
IVR	IVORY (RAL 1015)
GRY	GRAY (RAL 7001)
BLK	BLACK (RAL 9004)
WHT	SIGNAL WHITE (RAL 9003)
CC	CUSTOM COLOR

STATION ID  
STATION TYPE

CLR

MTG

LOCATION

MOUNTING DETAIL	
KEY	DESCRIPTION
S	SURFACE
SL	SURFACE WITH LOCKING COVER
SSL	SURFACE WITH SLIDING LOCKING COVER
F	FLUSH
FL	FLUSH WITH LOCKING COVER
FSL	FLUSH WITH SLIDING LOCKING COVER
U	U-BOLT
OU	OFFSET U-BOLT



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ORIGINAL FILE:  
RISER-SENSOR ICON.DWG

CONTRACT WITH:  
TEXAS SCENIC COMPANY, INC.

REPRESENTATIVE:  
HORTON CONTROLS GROUP

PROJECT MANAGER:  
LEEAH STICKELMAIER

APPLICATIONS ENGINEER:

DRAWING TITLE:  
CONTROL WIRING DIAGRAM

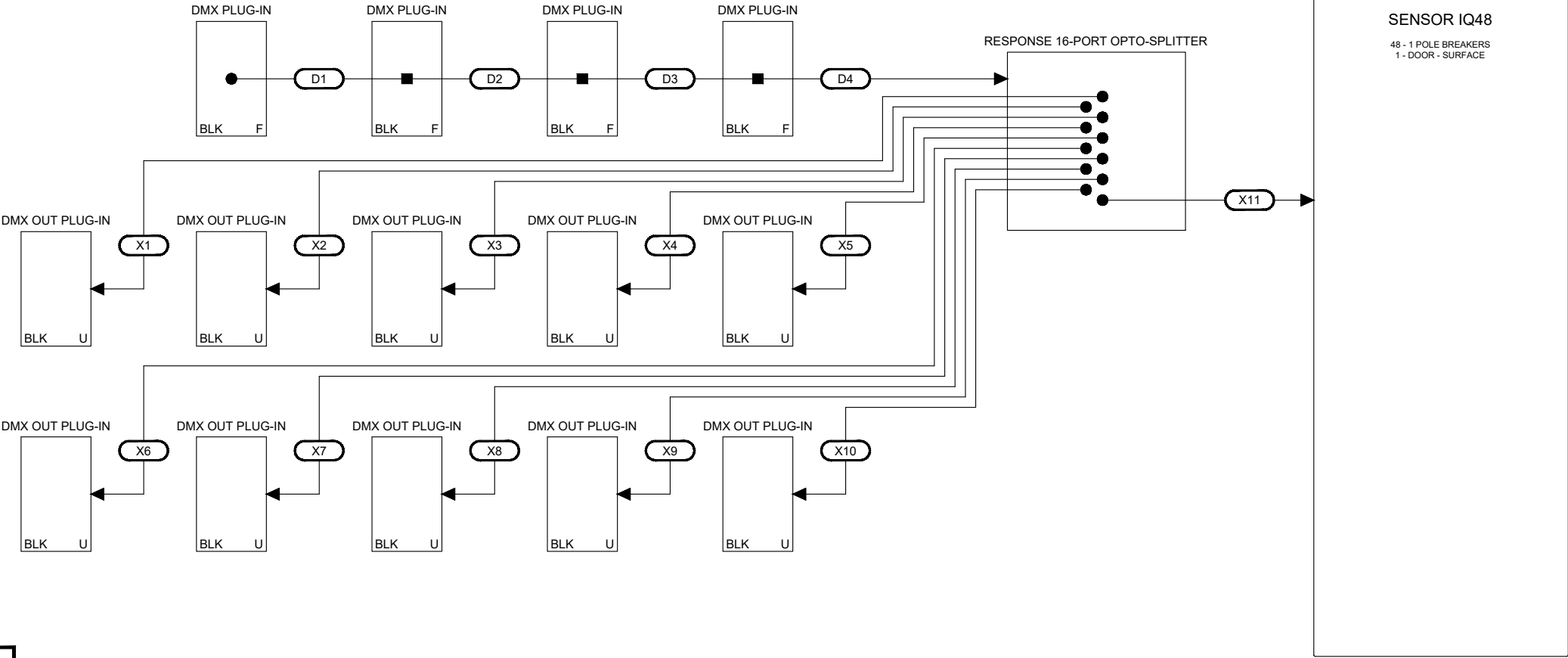

TW	10/19/20	SUBMITTAL
BY	DATE	REV.

JOB:  
LAKE HIGHLANDS  
HIGH SCHOOL - STUDIO

LOCATION:  
RICHARDSON, TEXAS

JOB NUMBER:  
15064253

DRAWING:  
003



WIRE TERMINATION KEY

- Start Termination Point
- End Termination Point
- Termination Point
- Splice
- Pass through

CONTROL WIRING LEGEND

SYMBOL	WIRE TYPE(S)	SIGNAL
D*	(1) BELDEN #1583A	DMX INPUT (Cat5e)
X*	(1) BELDEN #1583A	DMX OUTPUT (Cat5e)
* = WIRE IDENTIFICATION NUMBER (NOT QUANTITY)		

NOTE:

ALL CONTROL WIRING IS PROVIDED BY OTHERS UNLESS NOTED OTHERWISE.

STATION COLOR AND MOUNTING KEY

COLOR DETAIL		STATION ID STATION TYPE	LOCATION	MOUNTING DETAIL	
KEY	DESCRIPTION			KEY	DESCRIPTION
CRM	CREAM (RAL 9001)			S	SURFACE
IVR	IVORY (RAL 1015)			SL	SURFACE WITH LOCKING COVER
GRY	GRAY (RAL 7001)			SSL	SURFACE WITH SLIDING LOCKING COVER
BLK	BLACK (RAL 9004)			F	FLUSH
WHT	SIGNAL WHITE (RAL 9003)			FL	FLUSH WITH LOCKING COVER
CC	CUSTOM COLOR			FSL	FLUSH WITH SLIDING LOCKING COVER
				U	U-BOLT
				OU	OFFSET U-BOLT

SENSOR IQ PANEL COMPONENTS				
ITEM	MODEL #	QUANTITY	DESCRIPTION	ETC PART #
A	IQ48	1	IQ48 120V 3PHASE ENCLOSURE W/O BREAKERS	7131A1061
B	IQ DOOR 120-48S	1	IQ48 SURFACE MOUNT DOOR	7131A1551
C	IQ SM B20	48	CB 20A 1P 120V W/RELAY SNRSR IQ-TESTED	CB852-2

NOTE:

HYPERLINKS TO PRODUCT DATASHEETS ARE ATTACHED IN THE ITEM DESCRIPTION.



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**ORIGINAL FILE:**  
 OM-SCHEDULE  
 SENSOR IQ.DWG

**CONTRACT WITH:**  
TEXAS SCENIC COMPANY, INC.

**REPRESENTATIVE:**  
MORTON CONTROLS GROUP

**PROJECT MANAGER:**  
KEEAH STICKELMAIER

APPLICATIONS ENGINEER:

**DRAWING TITLE:**  
SENSOR IQ BREAKER SYSTEM  
DOM & LOAD SCHEDULE

FW	10/19/20	SUBMITTAL
BY	DATE	REV.

**OB:**

LAKE HIGHLANDS  
HIGH SCHOOL – STUDIO

**LOCATION:**  
RICHARDSON, TEXAS

DB NUMBER:  
15064253

DRAWING: 004

SENSOR IQ 48 3 Ø RELAY PANEL																									
JOB NUMBER: 15064253					JOB NAME: Lake Highlands HS - Studio					DATE: 10/1/2020					REVISION: SUB					PROJECT NOTE:					
SLOT	RELAY / DIMMER	AMP	ADDRESS		DESCRIPTION	FIXTURE				LOAD PHASING						FIXTURE				DESCRIPTION	ADDRESS		AMP	RELAY / DIMMER	SLOT
			UNI	ADD		CALL	TYPE	QTY	LOAD	A	B	C	LOAD	QTY	TYPE	CALL	ADD	UNI							
1	1P RELAY/BREAKER	20	1	1						0	0								2	1	20	1P RELAY/BREAKER	2		
3	1P RELAY/BREAKER	20	1	3								0	0						4	1	20	1P RELAY/BREAKER	4		
5	1P RELAY/BREAKER	20	1	5										0	0				6	1	20	1P RELAY/BREAKER	6		
7	1P RELAY/BREAKER	20	1	7						0	0								8	1	20	1P RELAY/BREAKER	8		
9	1P RELAY/BREAKER	20	1	9								0	0						10	1	20	1P RELAY/BREAKER	10		
11	1P RELAY/BREAKER	20	1	11										0	0				12	1	20	1P RELAY/BREAKER	12		
13	1P RELAY/BREAKER	20	1	13						0	0								14	1	20	1P RELAY/BREAKER	14		
15	1P RELAY/BREAKER	20	1	15								0	0						16	1	20	1P RELAY/BREAKER	16		
17	1P RELAY/BREAKER	20	1	17										0	0				18	1	20	1P RELAY/BREAKER	18		
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45	1P RELAY/BREAKER	20	1	45								0	0						46	1	20	1P RELAY/BREAKER	46		
47	1P RELAY/BREAKER	20	1	47										0	0				48	1	20	1P RELAY/BREAKER	48		



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ORIGINAL FILE:  
ADDITIONAL\_COMPONENTS.DWG

CONTRACT WITH:  
TEXAS SCENIC COMPANY, INC.

REPRESENTATIVE:  
HORTON CONTROLS GROUP

PROJECT MANAGER:  
LEEAH STICKELMAIER

APPLICATIONS ENGINEER:

DRAWING TITLE:  
ADDITIONAL\_COMPONENTS

TW	10/12/20	SUBMITTAL
BY	DATE	REV.

JOB:  
LAKE HIGHLANDS  
HIGH SCHOOL – STUDIO

LOCATION:  
RICHARDSON, TEXAS

JOB NUMBER:  
15064253

DRAWING:  
005

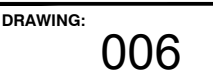
ADDITIONAL COMPONENTS			
MODEL #	QUANTITY	DESCRIPTION	ETC PART #
RSN-OPTO-DBOX	1	RESPONSE DUAL OPTO-SPLITTER DIN BOX	4267K1032
DMX	4	ECPB DMX IN	1094A1033
DMX OUT	10	ECPB DMX OUT	1094A1034
---	10	BACKBOX, 1 GANG SURF 2.5" cUL	1064A1023
--	10	SINGLE/DOUBLE GANG U-BOLT BRACKET ASSEMBLY	2100A1302
CS40AV	1	COLORSOURCE 40 AV CONTROL CONSOLE	7225A1101-US
CS40-DC	1	COLORSOURCE 40 DUST COVER	7225A4021

NOTES:

- 1.) SYSTEM COMPONENTS LIST DOES NOT INCLUDE ALL ITEMS ON SYSTEM. SEE SALES ORDER  
ACKNOWLEDGEMENT FOR ENTIRE BILL OF MATERIALS.
- 2.) HYPERLINKS TO PRODUCT DATASHEETS ARE ATTACHED IN THE ITEM DESCRIPTION.

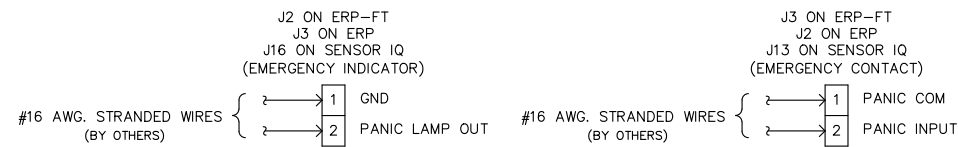
## TYPICAL WIRING CONNECTIONS

**ECHO DISTRIBUTED**

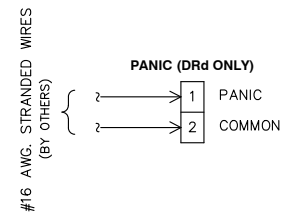


## TYPICAL EMERGENCY WIRING CONNECTIONS

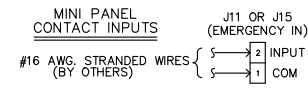
**ERP, ERP-FT AND SENSOR IQ (ALL ON I/O INTERFACE ASSEMBLY)**



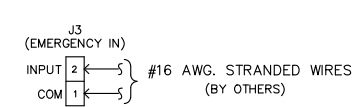
**UNISON DRd (Paradigm or Echo Processor)**



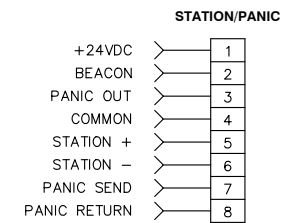
**UNISON FOUNDRY**



## ECHO ROOM CONTROLLER

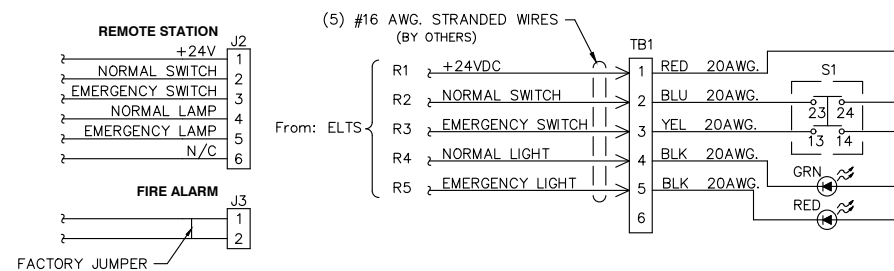


### SENSOR SR3 RACKS

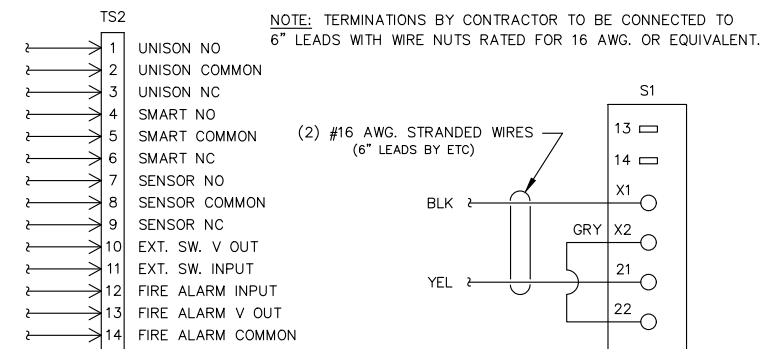
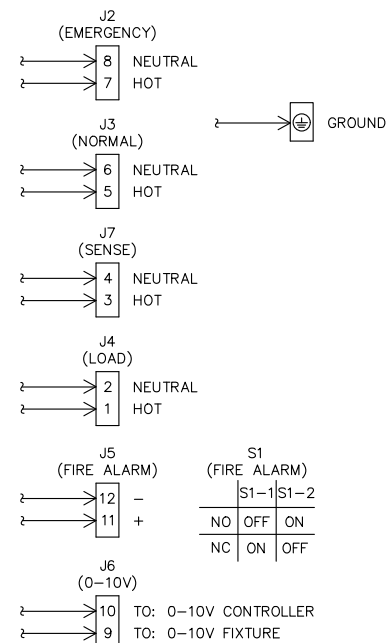


## POWER CONTROL PANIC CONNECTIONS

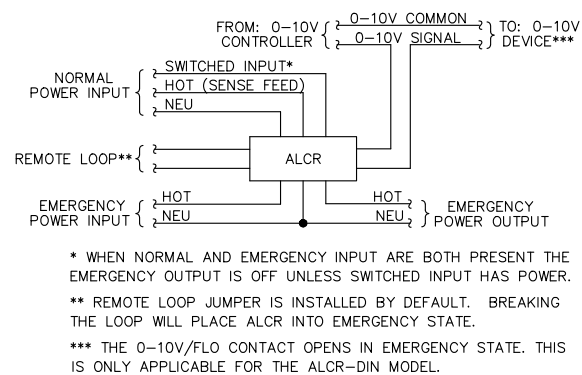
## ELTS2 & ELTS KEYSWITCH



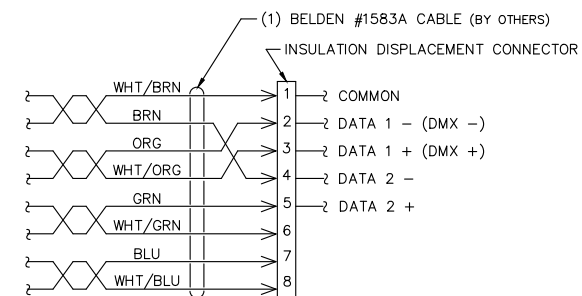
### ***EBDK & EBDK SWITCH***

**SC1008/BCELTS**

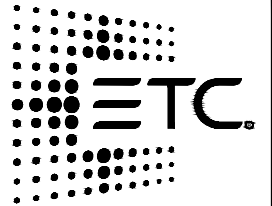
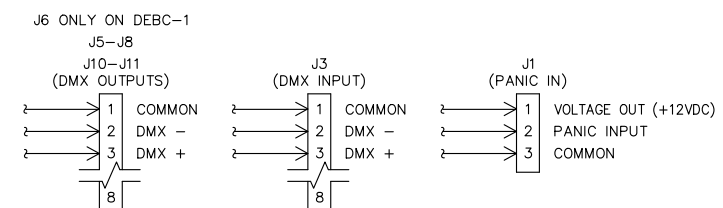
**ALCR**



**DMX-OVER-CAT5 (NOT FOUNDRY)**



**DEBC**



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**ORIGINAL FILE:**  
TYPICAL WIRING TEMPLATE –  
EMERGENCY.DWG

**CONTRACT WITH:**

TEXAS SCENIC COMPANY, INC.

**REPRESENTATIVE:**

HORTON CONTROLS GROUP

PROJECT MANAGER:

LEEAH STICKELMAIER

**APPLICATIONS ENGINEER:**

**DRAWING TITLE:**

## TYPICAL EMERGENCY WIRING TEMPLATE

TW	10/19/20	SUBMITTAL
<b>BY</b>	<b>DATE</b>	<b>REV.</b>

**JOB:**

LAKE HIGHLANDS  
HIGH SCHOOL – STUDIO

**LOCATION:**

RICHARDSON, TEXAS

**JOB NUMBER:**

15064253

**DRAWING:**

007