



EXP 1

INSTALLATION MANUAL

Read and keep this manual for future reference.
All personnel installing and operating the equipment described in this manual should review
and understand all instructions before use.

Rev. 04.02.18

General Information

IMPORTANT!

Read and save these instructions before attempting to assemble, install, operate, or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage. Retain these instructions for future reference.

Introduction

A Message for the Purchaser

The management and employees at Precision Extraction Solutions would like to thank you for selecting our product for your industry. Our product conforms to Occupational Safety & Health Administration (OSHA) and National Fire Prevention Association (NFPA) regulations for your safety. The employees of Precision understand the importance of a quality system and strive to manufacture the best product on the market.

Safety Information

IMPORTANT!

This manual contains statements relative to worker safety. Read this manual thoroughly and comply as directed. Operate this equipment in accordance with the guidelines set forth in this manual. It is impossible to list all potential hazards of this equipment. Instruct all personnel involved with this equipment in the safe conduct and operation of the system. Precision recommends that only qualified personnel operate and maintain this equipment.

General Safety

Operation and maintenance of this product must be performed properly by qualified personnel who observe the warnings in all documentation and notes provided with and on the product.

Follow all general standards for installation and safety for work on installations. Follow all good practices for the proper use of lifting tackle and equipment. The use of protective equipment such as safety goggles and protective footwear must be considered.

If any pumps or compressors are included as part of this installation, they must be connected in compliance with data in the documentation provided.

Guards and covers that prevent contact with electrically energized or moving parts are required to direct the flow of air for effective cooling. They must not be removed or left open during operation.

Sound pressure levels over 85 decibels may cause damage to your health. Where applicable, use earplugs or take other safety measures to protect yourself.

Safety Notes

- The product must be installed and serviced only by a trained, qualified service technician. Incorrect installation may void the warranty.
- All persons who will operate, service, inspect, or otherwise handle this product must read and understand the safe operating practices, safety precautions, and warning messages in this documentation.
- Disconnect and lock out the main electrical service before installing, adjusting, or servicing the product.
- Electrical installation should be completed by a qualified electrician. Installation must meet all applicable national, state, and local electrical codes.
- Ensure that all electrical components are grounded to a central ground.
- Become familiar with all controls.
- Safety signs, panels, and labels that are normally affixed to the product must be replaced immediately if illegible or missing.
- New or replacement parts that are installed during repair or maintenance must include all safety signs, panels, and labels as specified by the manufacturer. These must be affixed to the new or replacement parts as specified by the manufacturer.

Safety Precautions

- Install the product in compliance with the standards of the NFPA.
- Comply with all local electrical, safety, and fire codes and regulations, the National Electrical Code (NEC), and OSHA guidelines.
- Turn the exhaust fan on before using the booth. Ensure that the exhaust fan is operating correctly before entering the booth.

- A fire suppression system (sprinklers or dry chemical) may be required by the NFPA. A fire suppression system is not supplied with this product.
- The use of a solenoid valve may be required by the NFPA. Solenoid valves are not supplied with this product except by optional purchase.

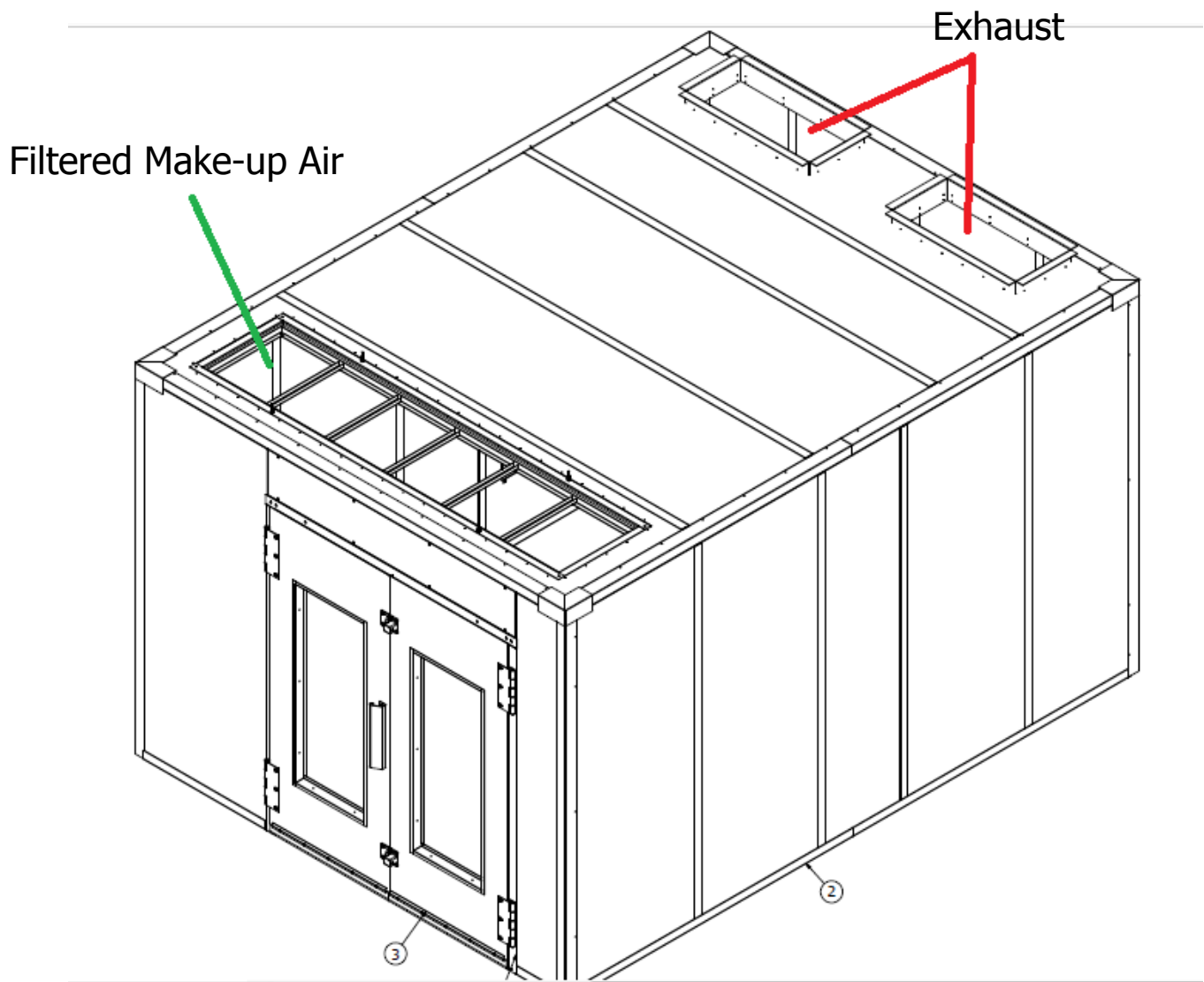
SAFETY HAZARD!

There are inherent hazards associated with the operation and service of this equipment. For your personal safety, observe all of the safety information. Failure to observe these safety practices can result in personal injury or death.

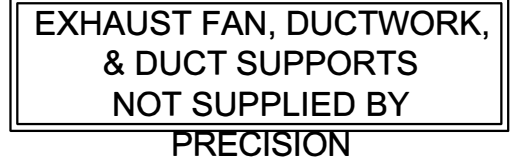
EXP 1 - ASSEMBLY DRAWINGS

ENCLOSURE, 10'W x 8'H x 12'6"D

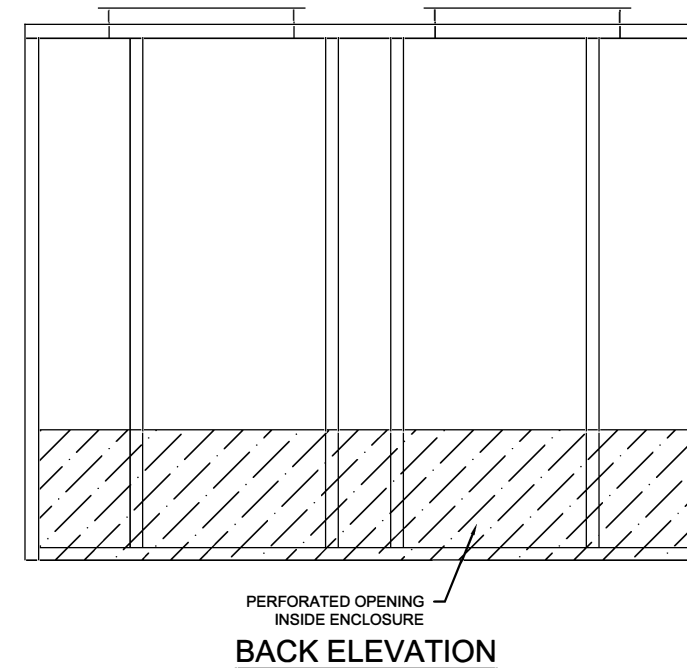
MODEL: EXP 1



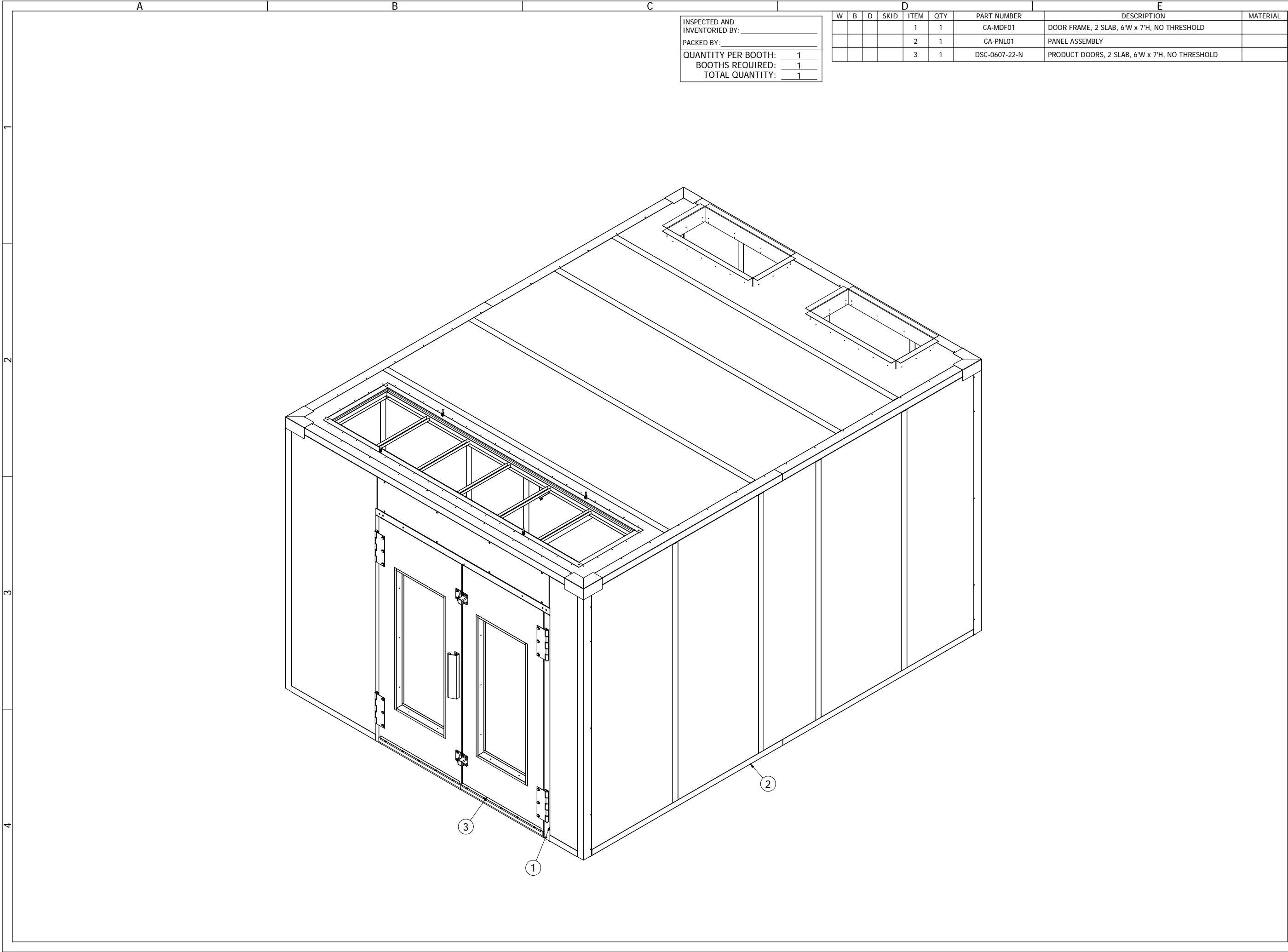
1. ENCLOSURE IS FABRICATED FROM 2 1/2" THICK INSULATED DUAL SKIN PANELS, PRE-PAINTED WHITE.
2. THE EXHAUST DUCT STACK SUPPORT IS NOT THE RESPONSIBILITY OF PRECISION EXTRACTION SOLUTIONS (DESIGN AND MATERIAL SUPPLIED BY OTHERS)



NO VENTILATION INCLUDED, ENCLOSURE NOT
SUITABLE FOR LIMITED FINISHING ACTIVITIES



BOOTH EQUIPMENT SPECIFICATIONS	
LIGHTS	
SIZE	48"
TUBES - (INCL.)	4
TYPE	LED
VOLTAGE	120/277
RATING	CLASS 1 DIV. 2
ACCESS	INSIDE
QUANTITY	3
INTAKE FILTERS	
SIZE	27"W x 108"L
QUANTITY	1 ROLL
MAN ACCESS DOOR	
SIZE	6'W x 7'H
TYPE	SOLID w/OBS
QUANTITY	1



SHEET 3

PRECISION EXTRACTION SOLUTIONS
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TROY, MI 48084 USA
855-420-0020 precisionextraction.com

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- Exploded view diagram of a window assembly. The diagram shows various components labeled with numbers 1 through 34. Key parts include:
 - Window Unit (11):** The central assembly consisting of sashes (8, 14, 15) and a frame (24).
 - Glazing (15):** Glass or glazing panels.
 - Frame (24):** The main structural frame.
 - Weatherstripping (29):** Seals for the window unit.
 - Hardware (20, 21, 22, 23, 25, 26, 27, 28, 30, 31, 32, 33, 34):** Various fasteners, tracks, and structural elements.
 - Insulation (32):** A textured area representing insulation in the frame.
 Assembly instructions include:
 - "USE #14 TEK SCREWS TO ATTACH DUCT LIPS USING PILOT HOLES" (pointing to parts 27 and 28).
 - "ARE TEK SCREWED IN PLACE" (pointing to parts 21 and 22).
 The diagram is oriented with a vertical axis labeled 1, 2, and 3 on the left side.

DO NOT INSTALL BACK WALL PANELS
UNTIL SINGLE SKIN CHAMBER PANELS
ARE TEK SCREWED IN PLACE

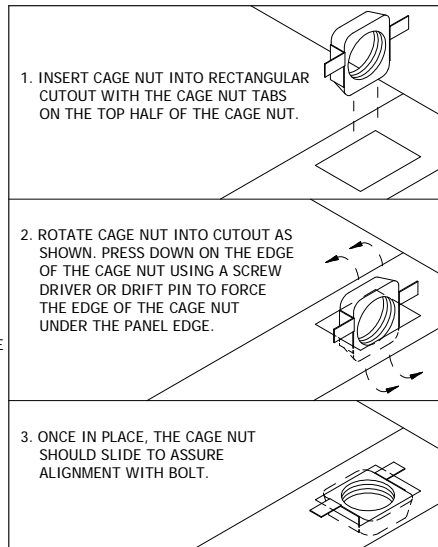


Diagram illustrating the components of the assembly:

- WALL PANEL
- FLOOR CHANNEL

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1
2
3
4

A

B

C

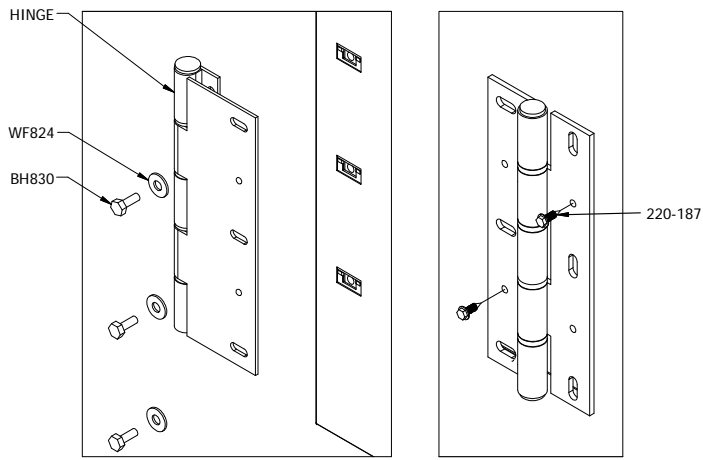
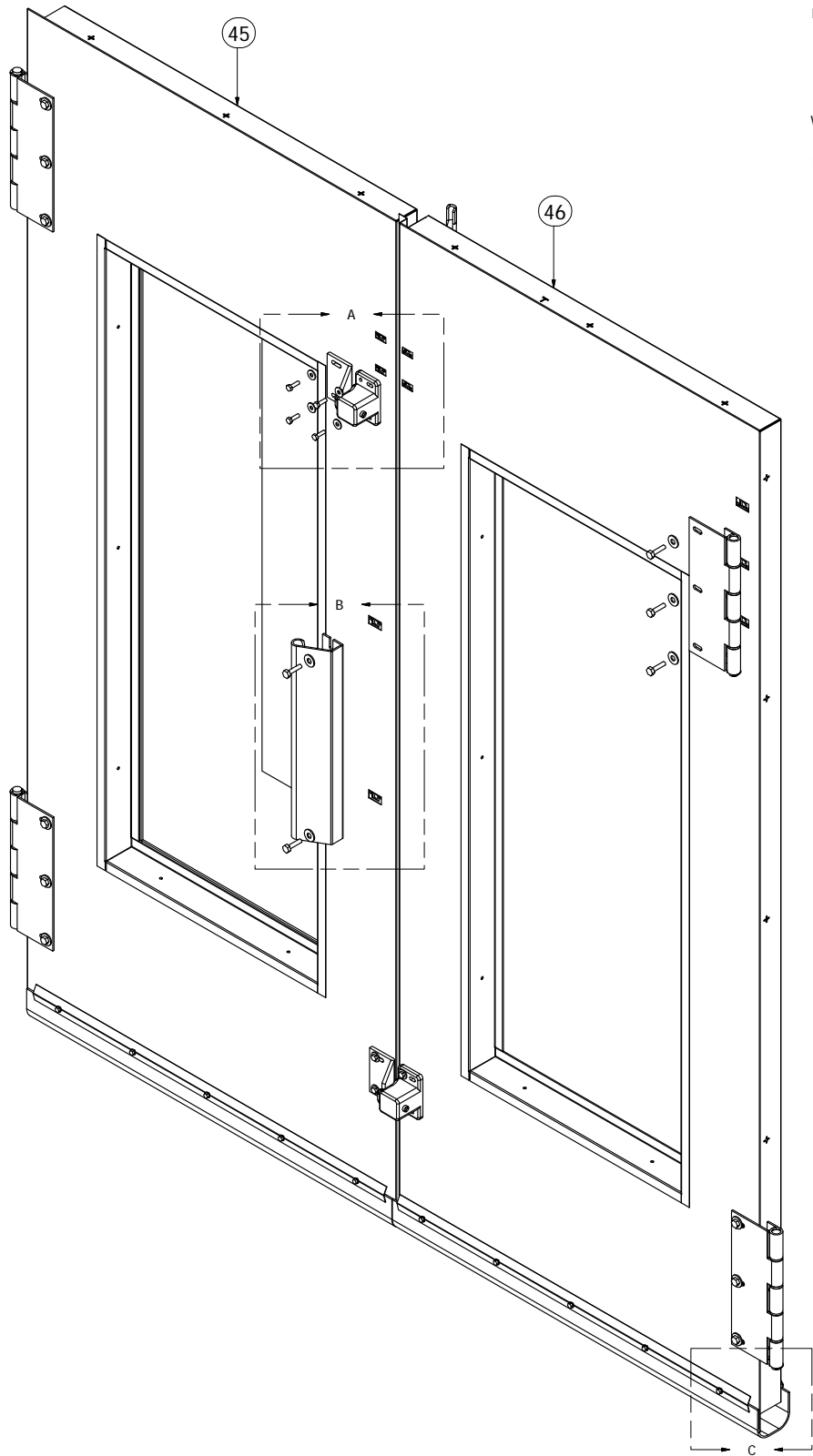
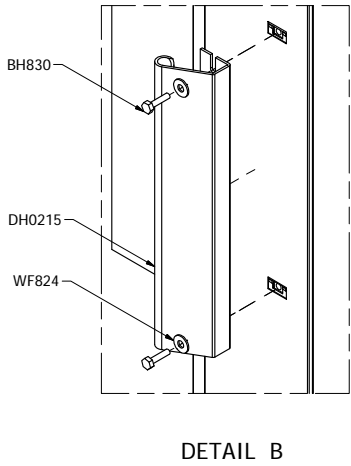
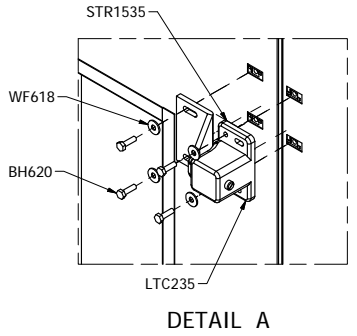
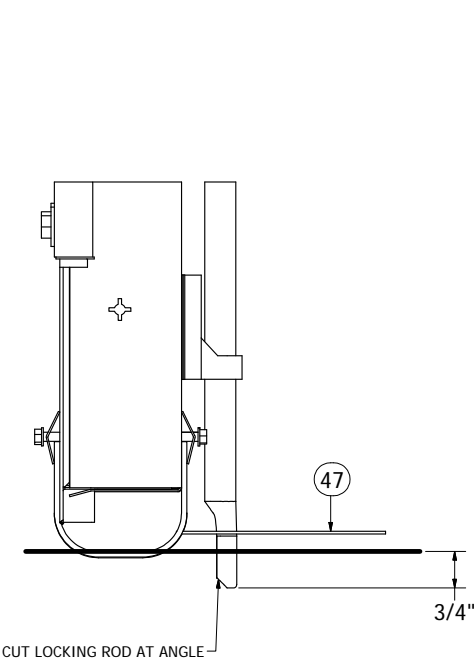
D

E

- NOTE:
1. FRONTAL DOORS CAN BE INSTALLED AS EITHER A LEFT OR A RIGHT HAND DOOR.
2. LEAVE ALL BOLTS LOOSE UNTIL ASSEMBLY IS SQUARED, THEN TIGHTEN SECURELY.
3. DESIGNED GAP BETWEEN DOOR SLABS IS 1".
4. REFERENCE DRAWING IN-DHA101 FOR DOOR HINGE ASSEMBLY.
5. REFERENCE LOCKING ROD DRAWING FOR ASSEMBLY.

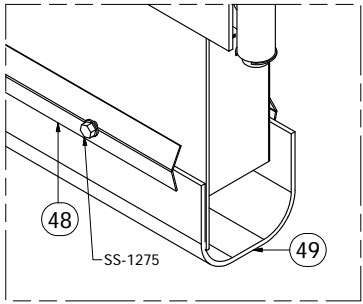
INSPECTED AND INVENTORIED BY:	
PACKED BY:	
QUANTITY PER BOOTH:	1
BOOTHS REQUIRED:	1
TOTAL QUANTITY:	1

W	B	D	SKID	ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL
				45	1	SDS3382A	ACCESS DOOR SLAB	
				46	1	SDS3382J	ADJACENT DOOR SLAB	
				47	1	KIT-LROD-7H-NT	KIT, LOCKING ROD, 7 FT HIGH, NO THRESHOLD	
				48	4	RS-33	RETAINING STRIP	20 WP
				49	2	SS-00748	NEOPRENE SEAL	-



DOOR HINGE DETAIL

- SET DOOR AND BOLT HINGE INTO PLACE. ONCE THE GAPS ARE SET BETWEEN DOOR SLABS TIGHTEN BOLTS.
- THEN INSERT (2) TEK-SCREWS CROSS WISE ON THE HINGE USING PILOT HOLES AS A GUIDE.



DETAIL C

A HOLE MUST BE DRILLED INTO THE FLOOR FOR THE BOTTOM LOCKING ROD. TO LOCATE THIS HOLE BOLT THE LOCKING ROD ASSEMBLY TOGETHER, THEN CLOSE THE DOOR AND MARK THE LOCATION WHERE THE LOWER LOCKING ROD COMES IN CONTACT WITH THE FLOOR. DRILL A Ø7/8" HOLE IN THE FLOOR AND INSTALL THE LOCKING ROD FLOOR PLATES.

SHEET 6

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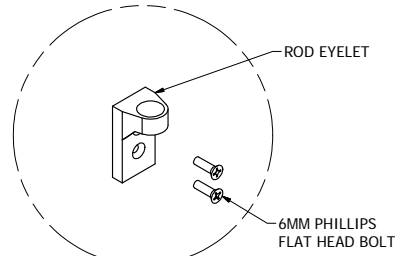
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FOR DOORS WITHOUT THRESHOLDS THE FOLLOWING APPLIES:

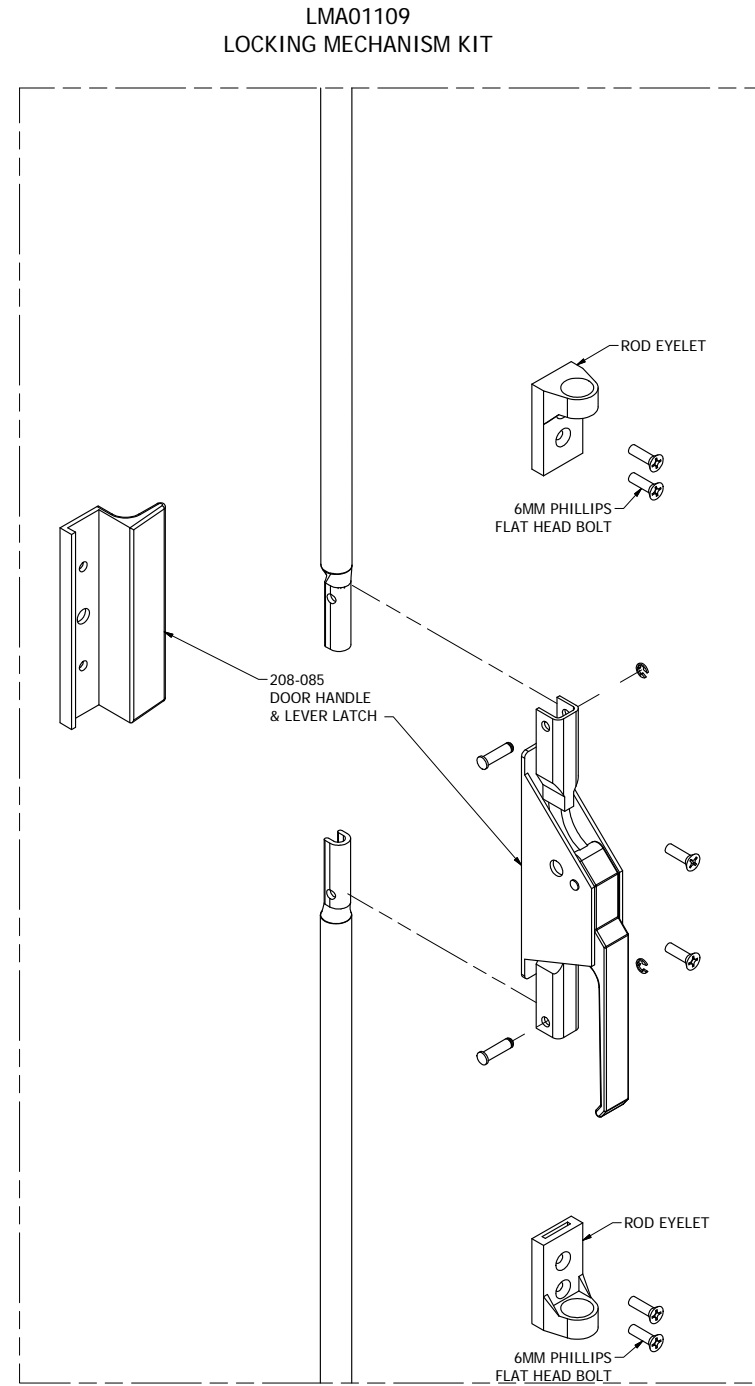
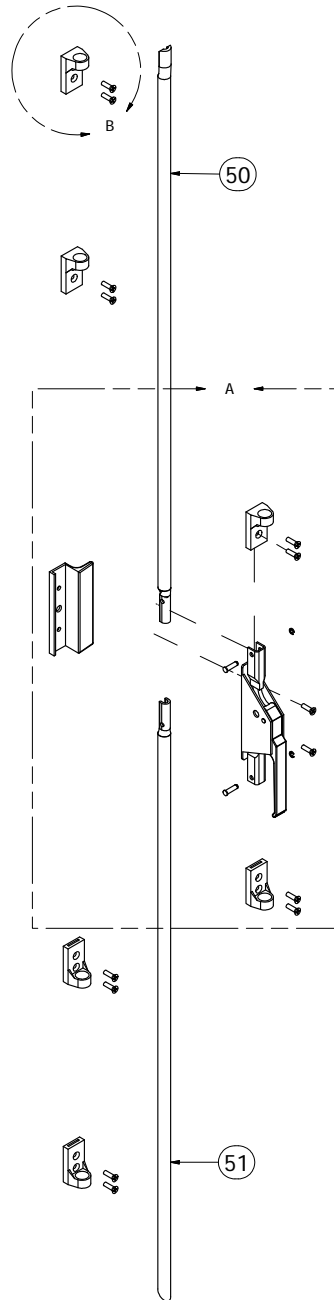
1. ONE LR7538 IS REPLACED BY LR7544. LR7544 IS 6" LONGER AND SHOULD BE USED AS THE BOTTOM LOCKING ROD.
2. BOTTOM LOCKING ROD MUST BE TRIMMED SO IT PROTRUDES 9/16" INTO THE 3/4"DIA. HOLE IN THE FLOOR.

INSPECTED AND INVENTORIED BY: _____
PACKED BY: _____
QUANTITY PER BOOTH: _____
BOOTHS REQUIRED: _____
TOTAL QUANTITY: _____

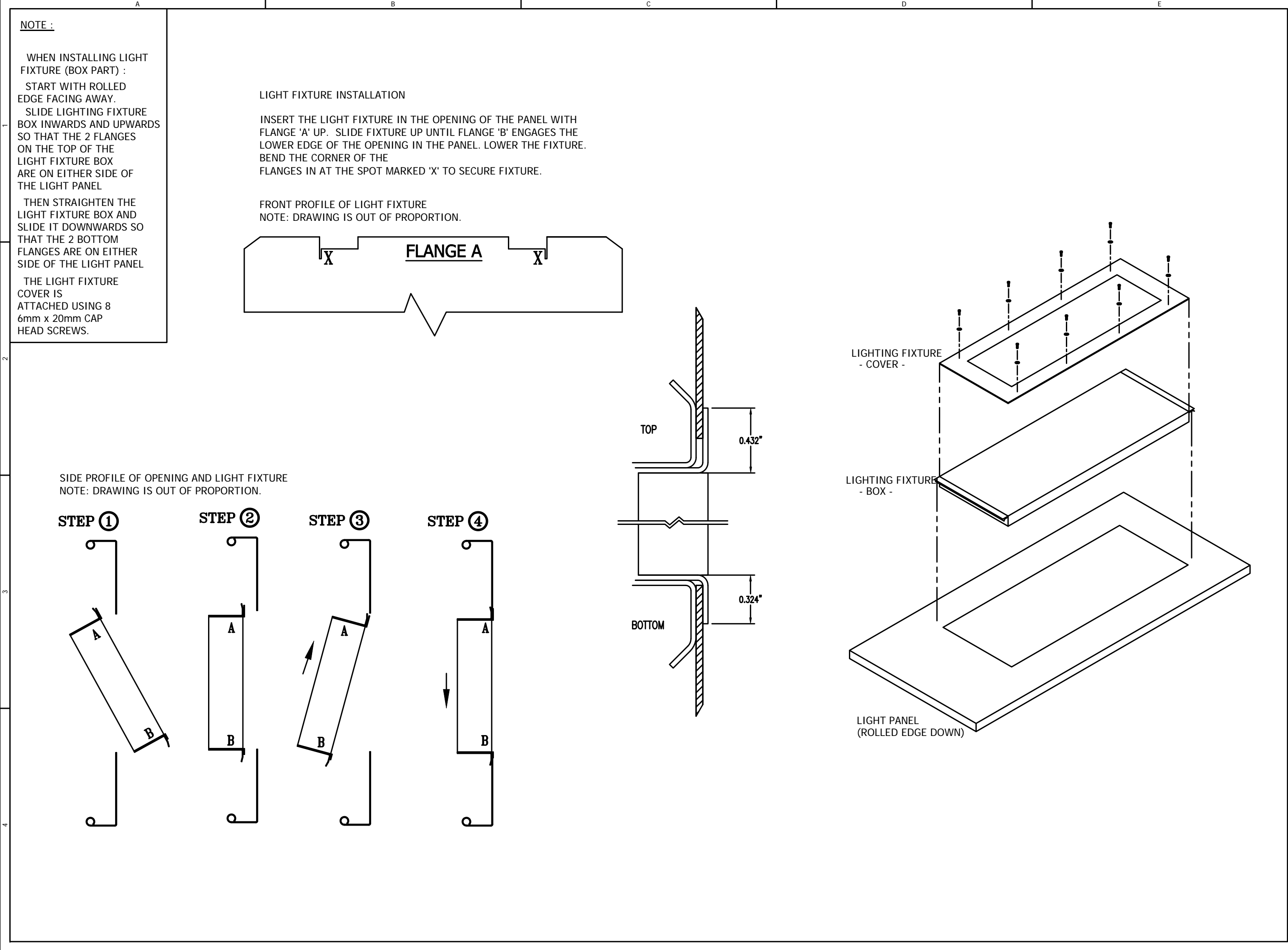
D						E		
W	B	D	SKID	ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL
				50	1	LR7538	LOCKING ROD, .709 OD X 38.313 POWDER COATED WHITE	-
				51	1	LR7544	LOCKING ROD, .709 OD X 44.313 POWDER COATED WHITE	-



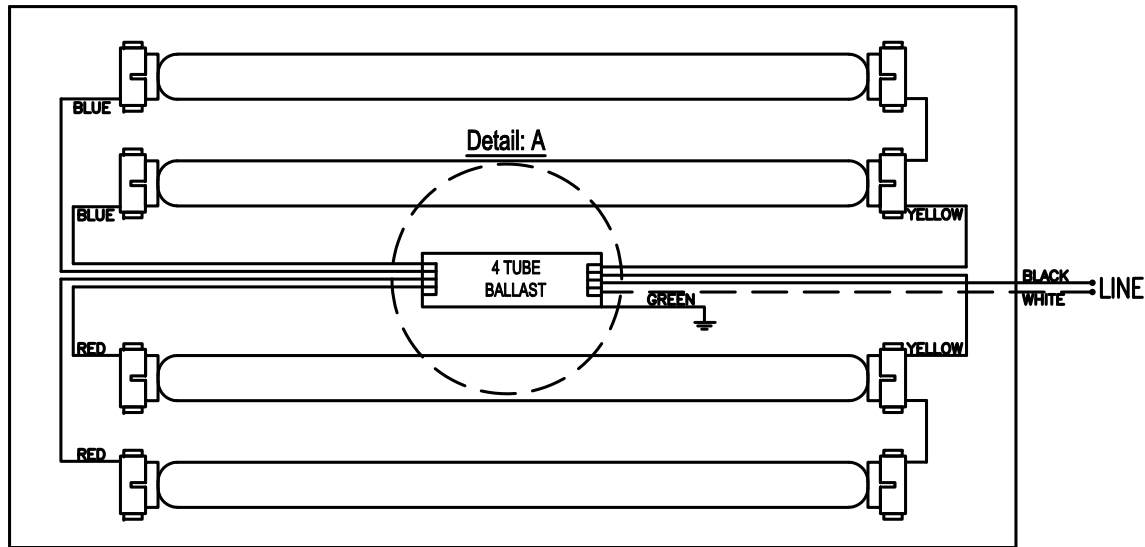
DETAIL B



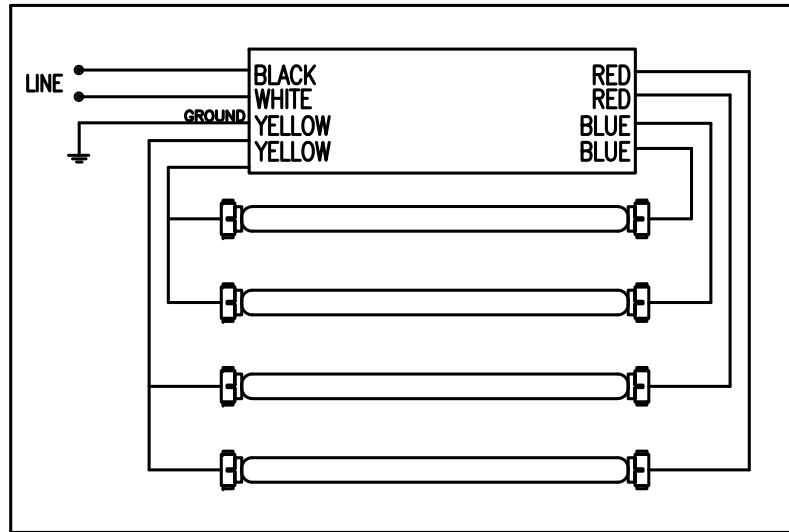
DETAIL A



4 TUBE WIRING - (One Ballast)



DETAIL: A



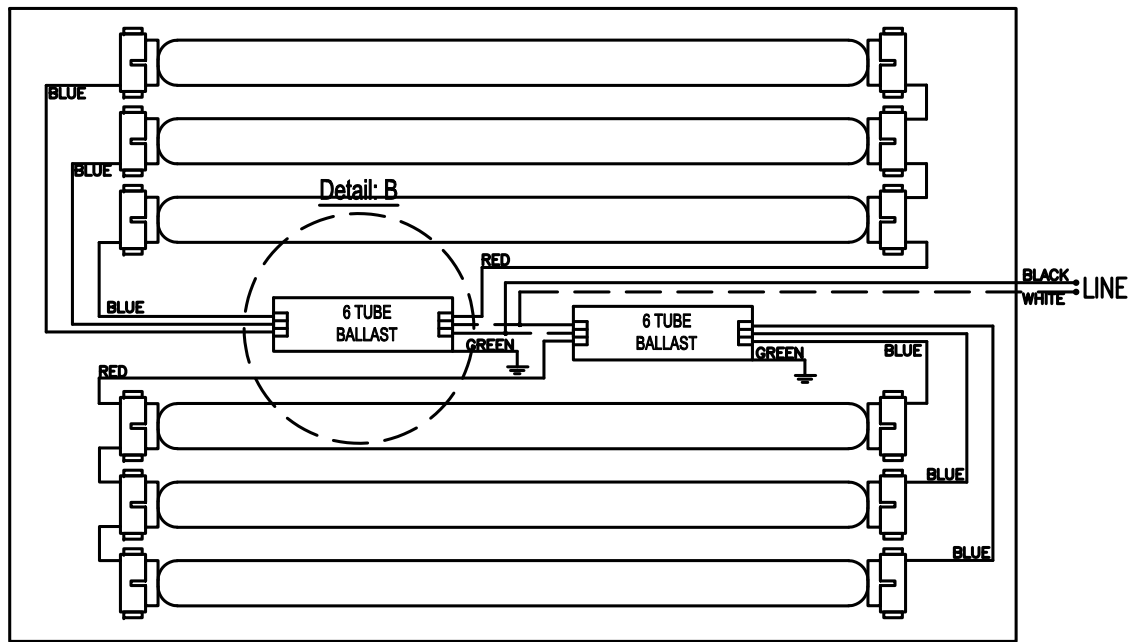
NOTES

- 1) All wire is 18 Gauge
- 2) The Magnetic Microswitches are a safety feature and are wired into the Control Circiut. The Switches are used to disable the operation of the spray-gun, should any of the light fixture covers not be closed properly.

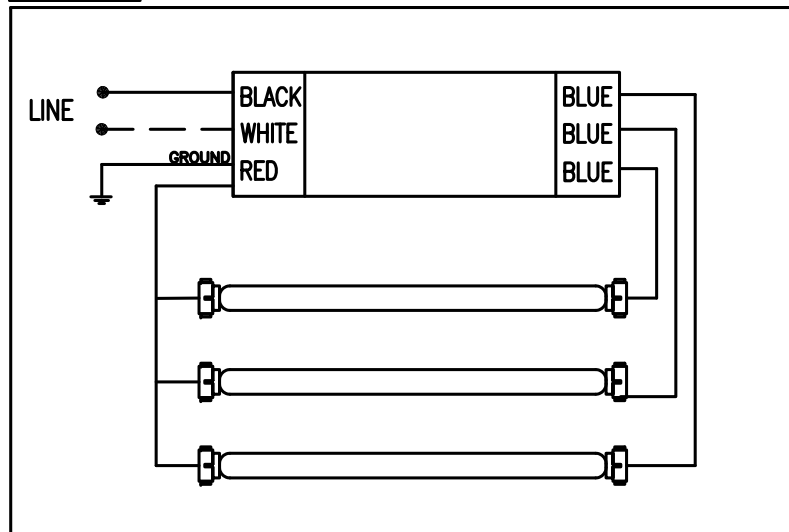
SINGLE VOLTAGE LIGHTING BALLASTS

4 Tube Fixtures		
120 Volt	277 Volt	347 Volt
4 Tube 0.95A 60HZ 32W	4 Tube 0.41A 60HZ 32W	4 Tube 0.31A 60HZ 32W
6 Tube Fixtures		
120 Volt	277 Volt	347 Volt
3 Tube 0.71A 60HZ 32W (0.71A per ballast)	3 Tube 0.33A 60HZ 32W (0.33A per ballast)	3 Tube 0.26A 60HZ 32W (0.26A per ballast)

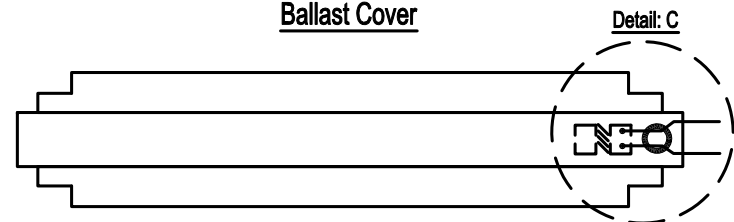
6 TUBE WIRING - (Two Ballasts)



DETAIL: B

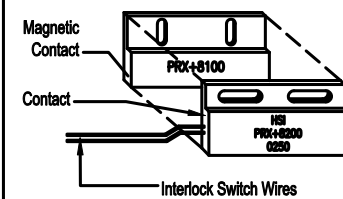


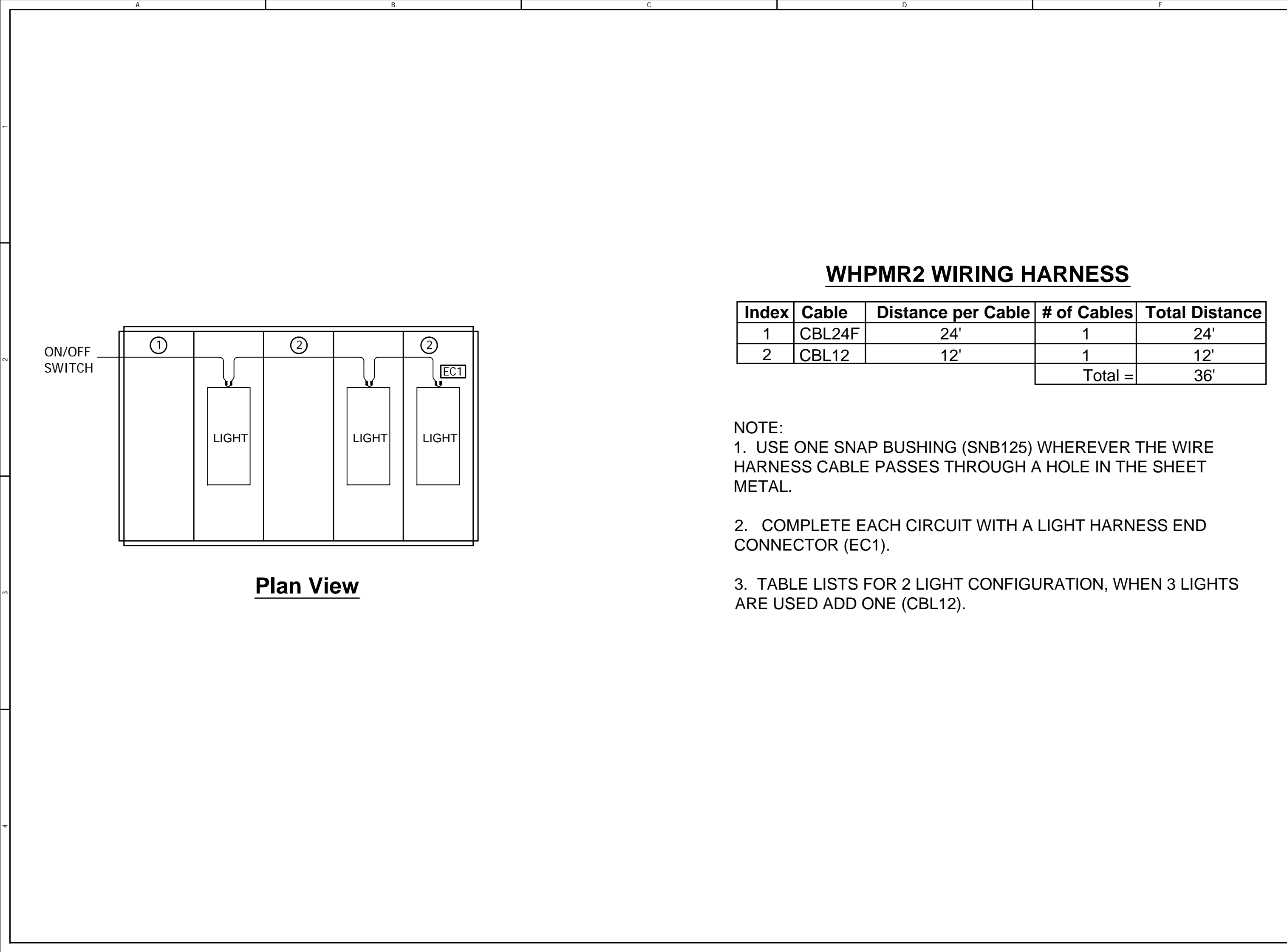
Ballast Cover



DETAIL: C

Hermetic Proximity Sensor
(Interlock Switch)





WHPMR2 WIRING HARNESS

Index	Cable	Distance per Cable	# of Cables	Total Distance
1	CBL24F	24'	1	24'
2	CBL12	12'	1	12'
			Total =	36'

- NOTE:
1. USE ONE SNAP BUSHING (SNB125) WHEREVER THE WIRE HARNESS CABLE PASSES THROUGH A HOLE IN THE SHEET METAL.
2. COMPLETE EACH CIRCUIT WITH A LIGHT HARNESS END CONNECTOR (EC1).
3. TABLE LISTS FOR 2 LIGHT CONFIGURATION, WHEN 3 LIGHTS ARE USED ADD ONE (CBL12).