

VUTEk h3/h5 Printer Specifications

Description: Use these specifications when planning printer installation.

Affected Printers: VUTEk h3

VUTEK h3/h5 Printer Specifications

Use these specifications when planning printer installation.

Prior to installation, read and understand the EFI Printer Safety Guide, available at <http://inkjet.support.efi.com/doc.php?doc=683>.

1.0 Printer Shipping Specifications

Definitions

EFI printers are shipped in one of two packaging configurations: **crated** or **palletized**.

- **Crated:** EFI printers that are shipped outside US borders, and peripherals, are shipped in an enclosure (crate) to protect against damage.
- **Palletized:** EFI printers that are shipped within the continental US and Canada are shipped on a pallet and wrapped in plastic wrap to keep contaminants out. Printers are shipped on dedicated trailers: nothing else is loaded onto the truck other than the printer and any separate printer parts included on the printer order.
- **Uncrated:** The printer has been removed from the shipping crate and all packaging.

Note: Use the uncrated dimensions to determine if the printer will fit through your doorway.

Table 1: Printer Dimensions and Weights

	Height	Depth (front to back)	Width (left to right)	Weight
Crated	98" [249 cm]	74" [188 cm]	265" [673 cm]	10,705 lbs. [4856 kgs.]
Palletized	86" [218 cm]	74" [188 cm]	265" [673 cm]	10,000 lbs. [4536 kgs.]
Uncrated	Printer Top: 76" [193 cm] Stack Lights: 87" [221 cm]	Doors Closed: 61" [155 cm] Doors Open: 96" [244 cm]	Doors Closed: 254" [645 cm] Doors Open: 350" [889 cm]	7,495 lbs. [3400 kgs.]

2.0 Installation Requirements

2.1 Clearances

The drawings at the end of this document show the printer dimensions, as well as working clearances needed to accommodate printer operation.

2.2 Print Environment

EFI Inkjet Solutions does not supply a ventilation system for your digital printing system. However, EFI Inkjet Solutions does require a ventilation system be installed for extracting ozone, ink particles, solvent fumes, and heat from the printing area.

Customers must maintain the following environmental conditions for the printer and the area in which it is installed.

Table 2: Environment Specifications

Specification	Imp.	Metric
Volume at <u>each</u> exhaust collar (two per printer)	550 CFM	14.2 m ³ /min.
Maximum under hood temperature	104° F	40° C
Ambient room temperature	68° F – 86° F	20° C – 30° C
Relative humidity (non-condensing)	30% – 80%	
Exhaust collar <u>outside</u> diameter	10.25 inches	26.0 cm
Exhaust collar <u>inside</u> diameter	10 inches	25.4 cm

2.3 Electrical

A licensed electrician must ensure that your printer's dedicated power source meets the specification requirements.

Table 4: Electrical Specifications

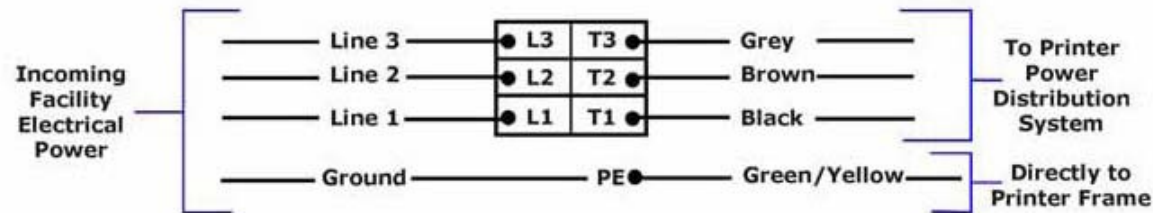
Parameter	Value
Power, Nominal	400-480 @ 30A; 3 phase (N America/Europe)
Power, Absolute Min/Max	VAC L-L 360-509 VAC L-G 208-294
Operation Amperage	8A
Average Power Consumption	3.8 kWh
Frequency	50 or 60 Hz
Wiring	4 Wire (3 phase + Earth Ground)

Important: Measure the line-to-line and line-to-ground voltages. The line-to-line voltage difference must be less than 5% and the difference between each line and chassis ground must be less than 5%.

2.3.1 Three Phase Configurations

Defines the three phase electrical configurations.

Figure 1-2: Three-phase electrical configuration



Printer 3-Phase Distribution Block

2.4 Compressed Air

Requires customer-supplied ½" NPTF from facility air compressor.

Table 5: Compressed Air Specifications

	Imp.	Metric
Minimum	110 psi @ 16 CFM	7.73 kg/cm ² @ 0.4531 m ³ /min.
Maximum	145 psi	10.2 kg/cm ²

Customers must adhere to the Compressed Air Quality Specifications, located online at <https://inkjet.support.efi.com/doc.php?doc=975>, to ensure print quality and to prevent equipment damage.

2.5 Internet Connection

The customer is required to provide direct internet-ready access to the VUTEk h3/h5 printers.

An Internet network connection is required for remote diagnostics and troubleshooting purposes.

The customer is responsible for all network connections.

Lack of direct internet-ready access may directly impact EFI's ability to acutely diagnose issues and order appropriate replacement parts in a timely fashion.

Printer network configuration allows for Auto DHCP or static IP address. Please do not use 192.168.14.X subnet.

2.6 AC Power Cord

A power cord must be supplied by the customer. Size and configuration is determined by local code requirements.

3.0 Media Specifications

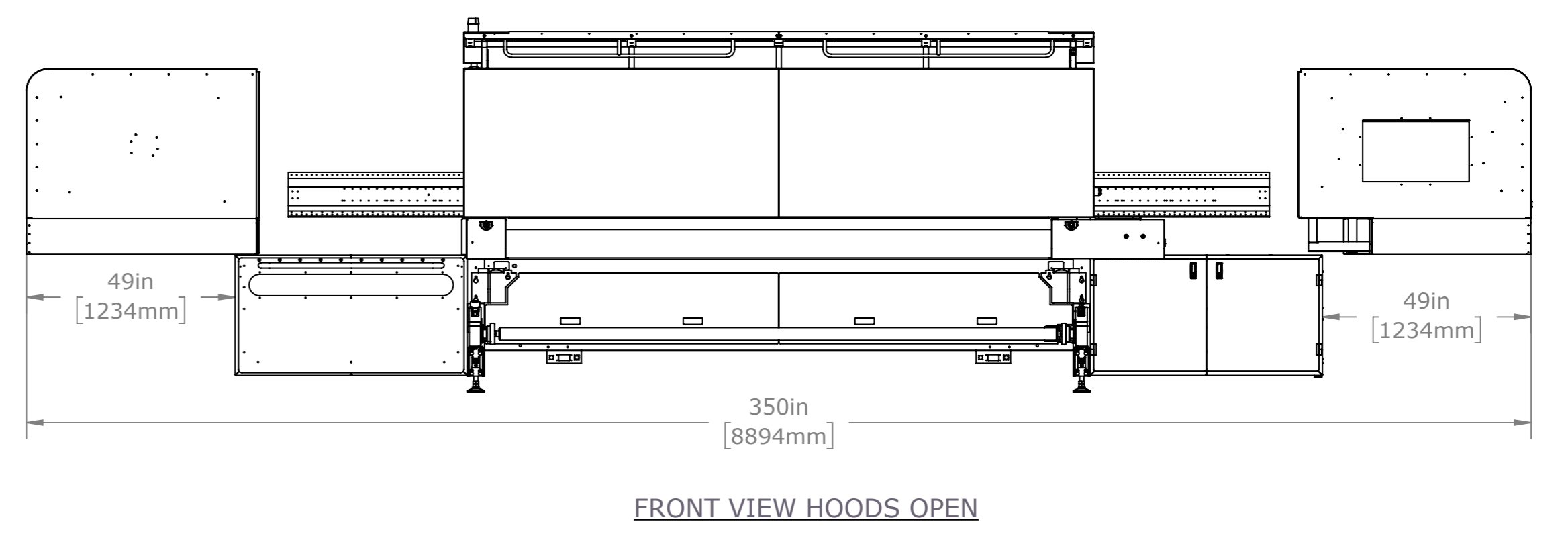
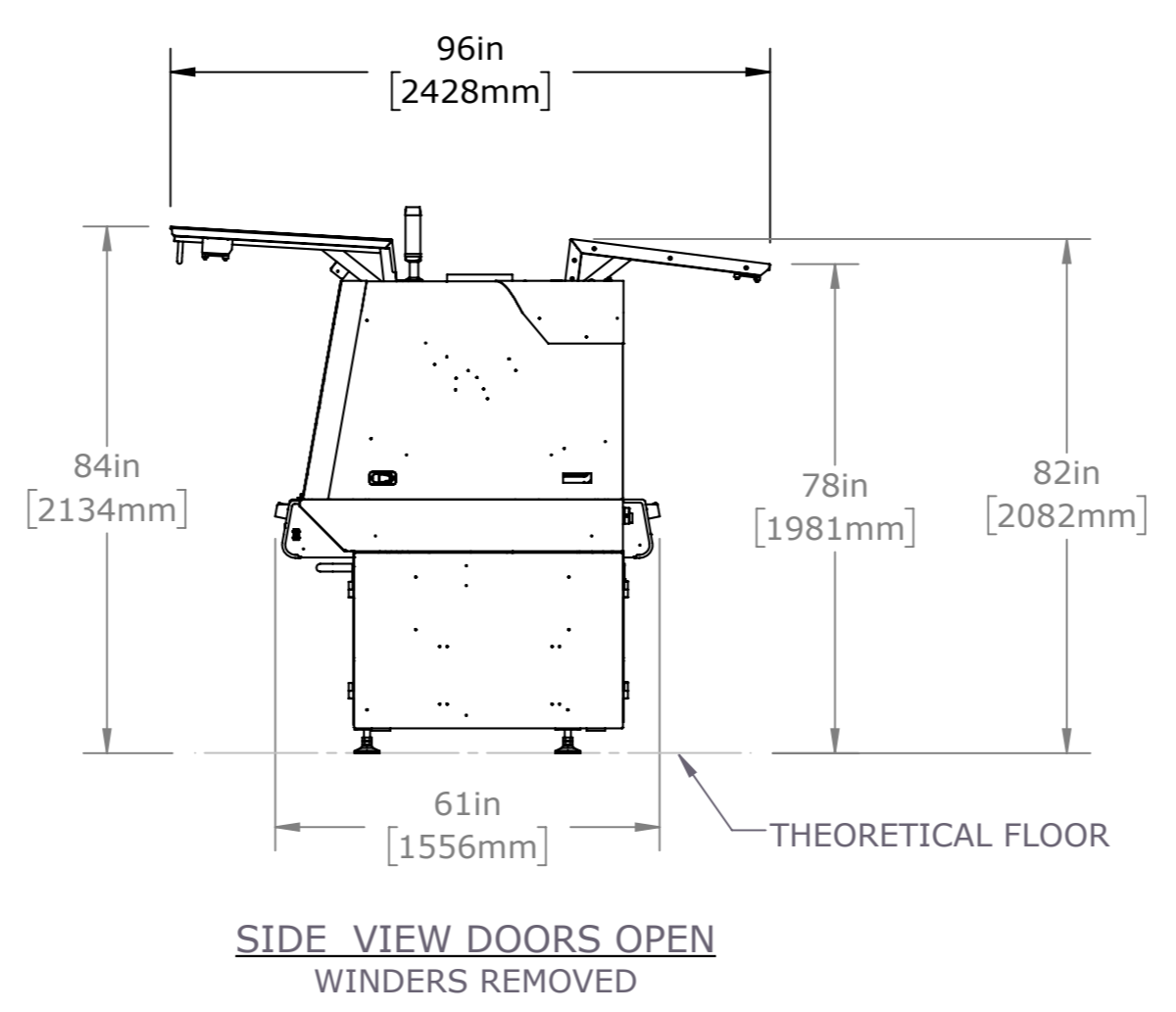
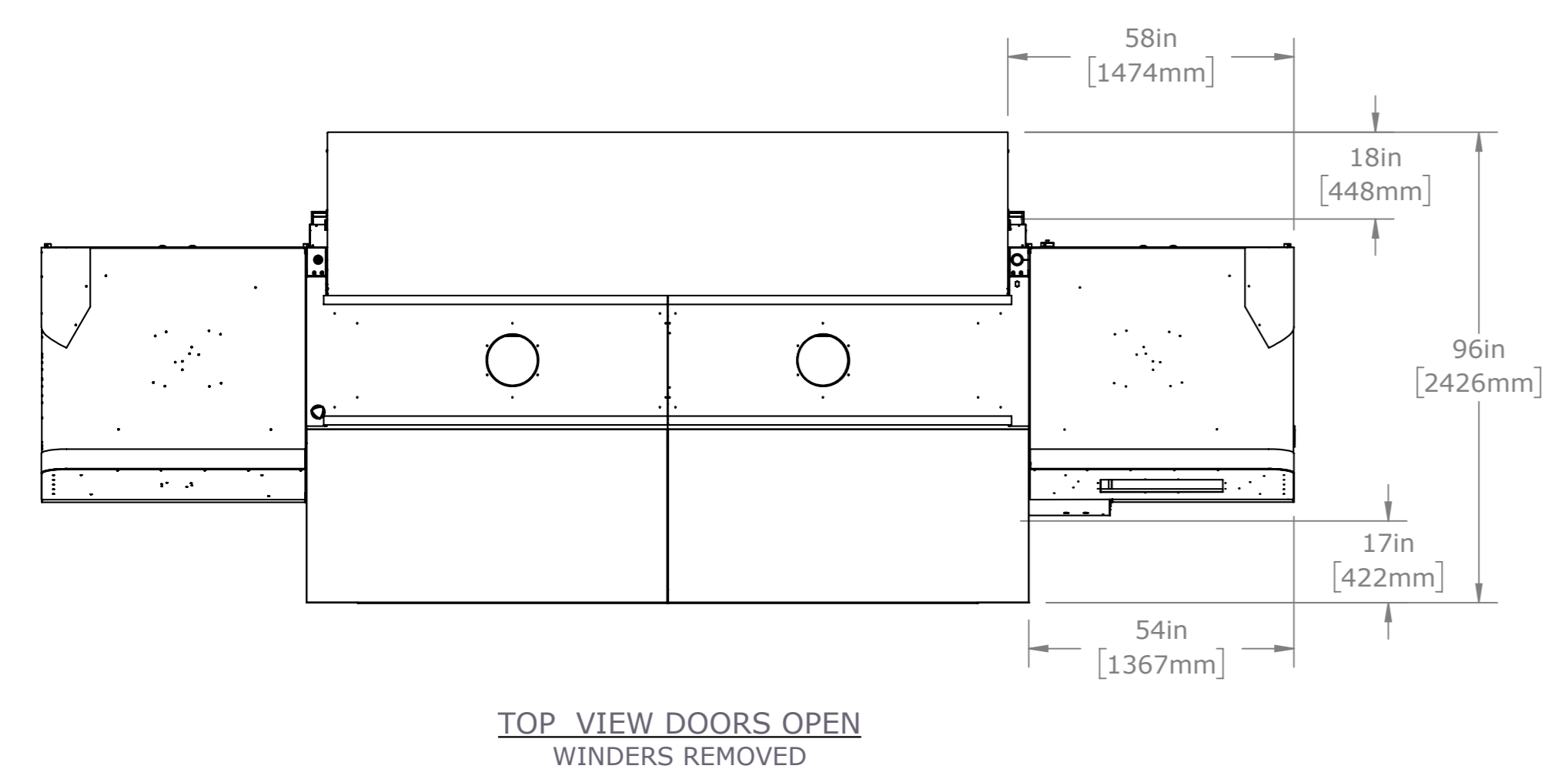
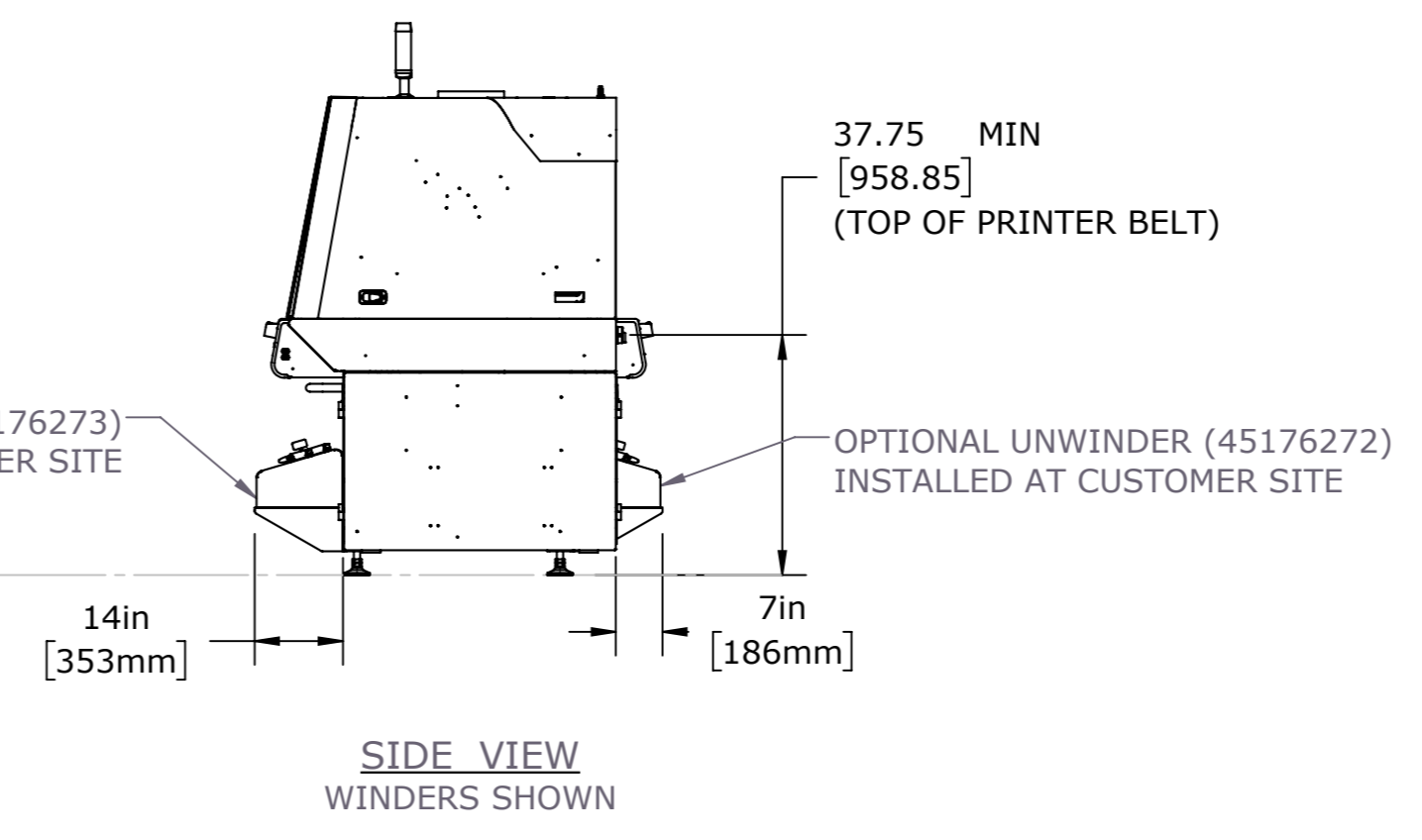
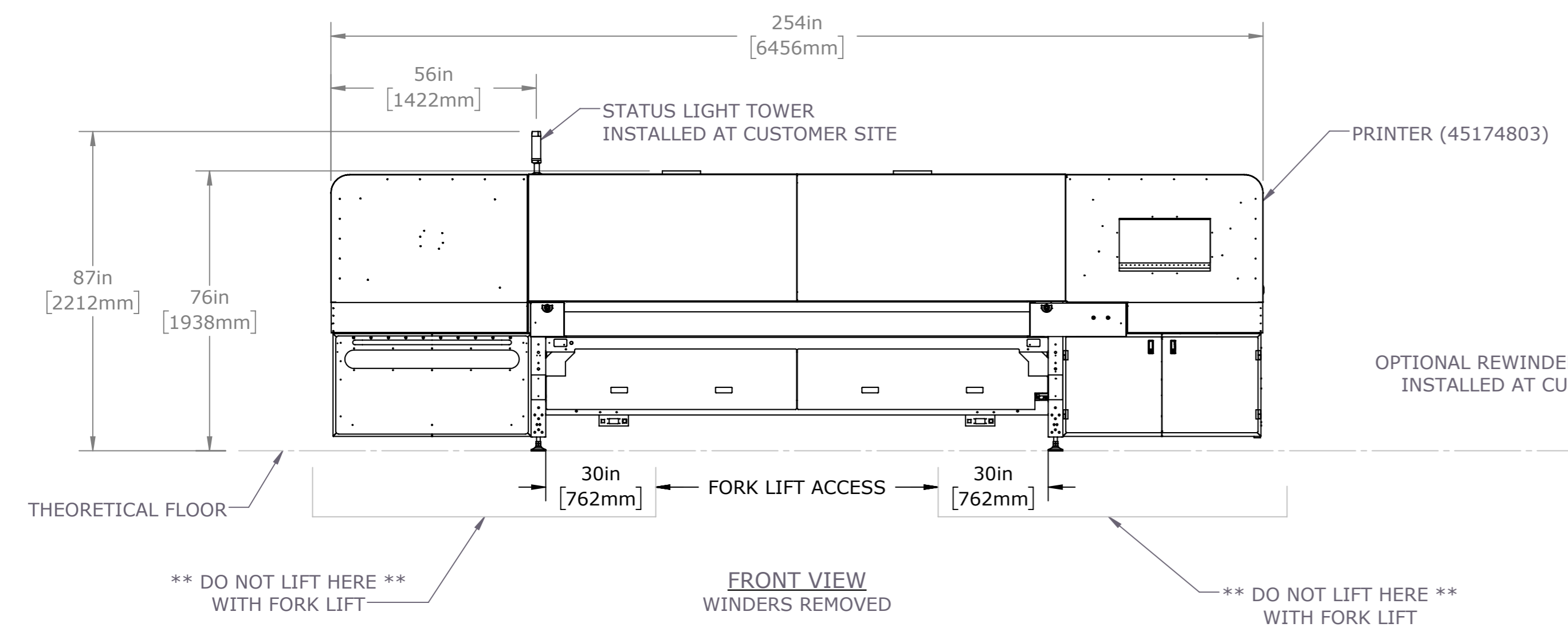
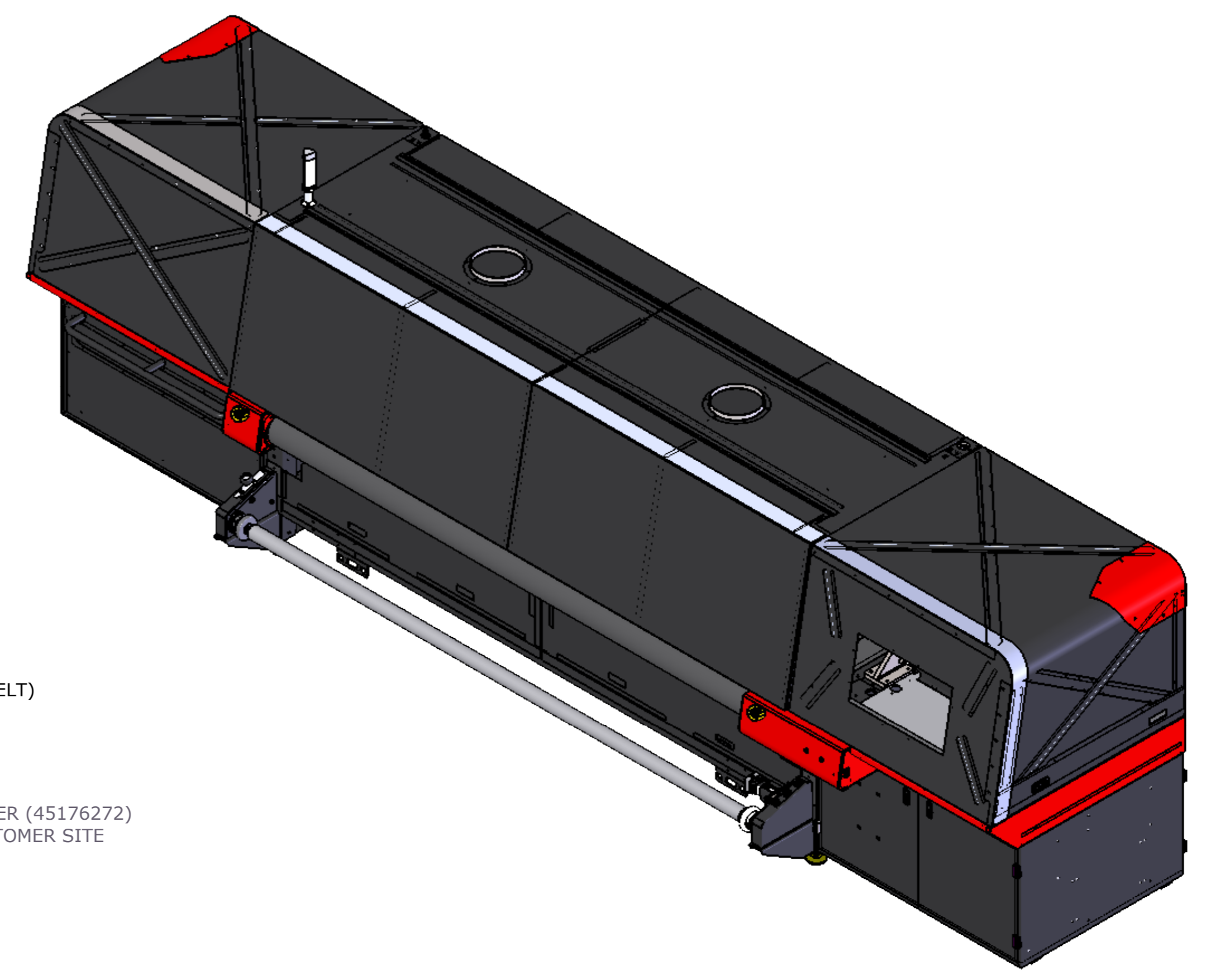
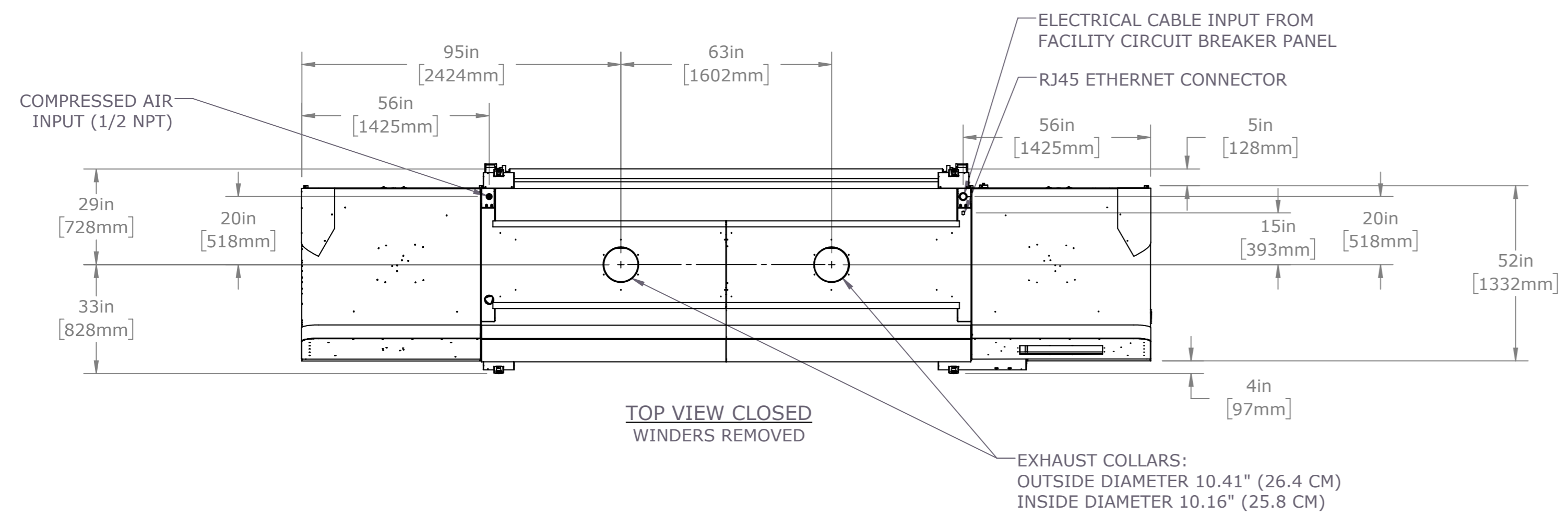
Table 6: Media Specifications – h3/h5 Printer(s)

	Standard Winder P/N 45183358 Imp. (Metric)	Elevated P/N 45183359 Imp. (Metric)	Dual Motor, Elevated P/N 45183360 Imp. (Metric)
Min. Media Width	12" (30 cm)		
Max. Media Width	126" (320 cm)		
Max. Media Width, with Material Edge Guide (MEG) skis installed	123.95" (314.8 cm)		
Max. Roll Weight – Air Core @ 126" (320 cm)	400 lbs. (180 kg)		
Max. Roll Weight – Air Core @ 54" (137.2)	170 lbs. (77.1 kg)		
Media Roll Core, inside diameter	3" (7.6 cm)		
Roll maximum diameter	12" (30 cm)		
Max. Sheet Thickness	2" (5 cm)		
Max. Sheet Weight @ 126" (320 cm)	200 lbs. (90.7 kg)		

4.0 Site Plan and Dimensions

The drawings shown on the following pages of this document illustrate the printer dimensions with a standard table configuration. and required clearances around the printer area. To ensure that you have the latest version of this drawing, contact your field service engineer before site planning.

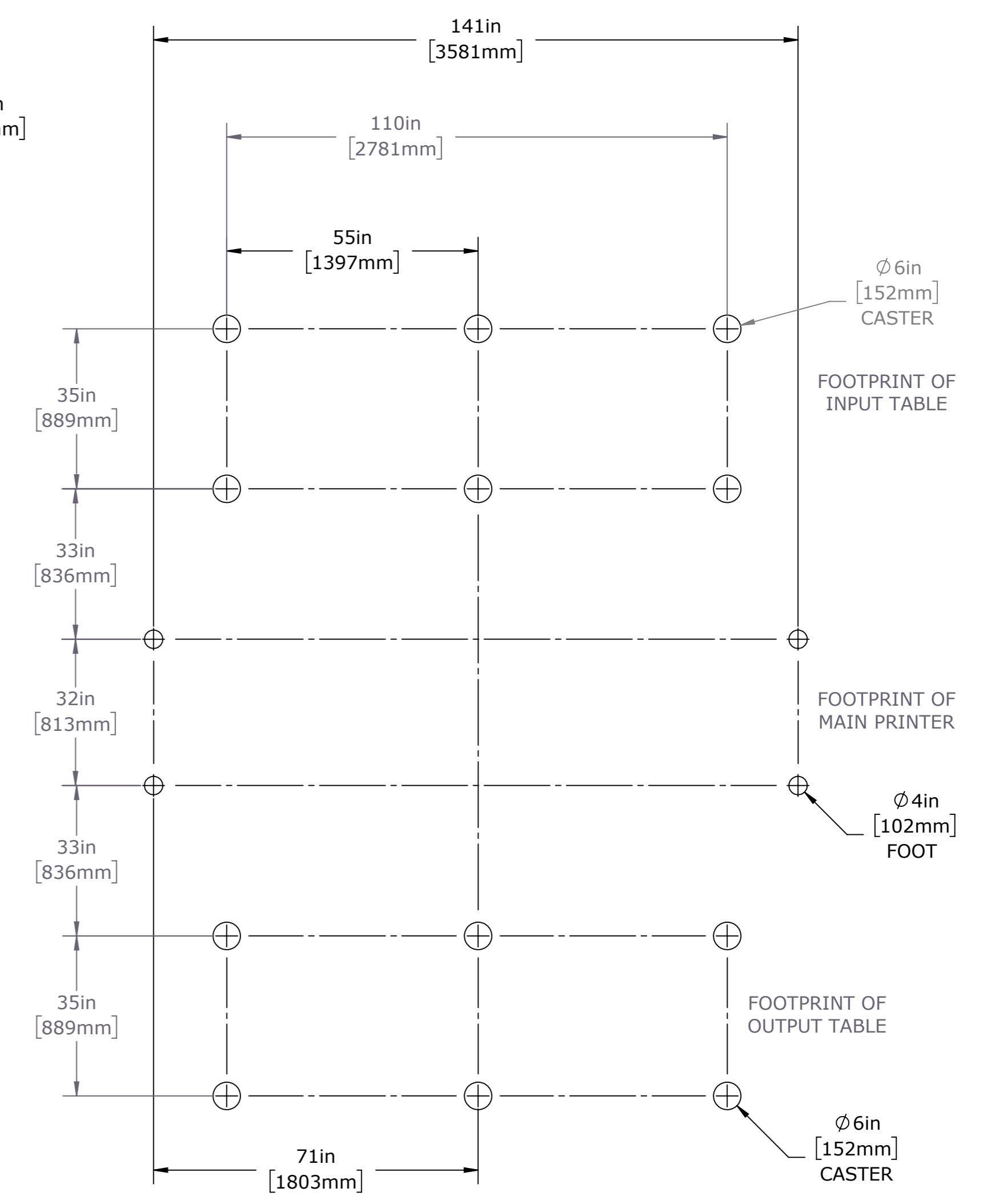
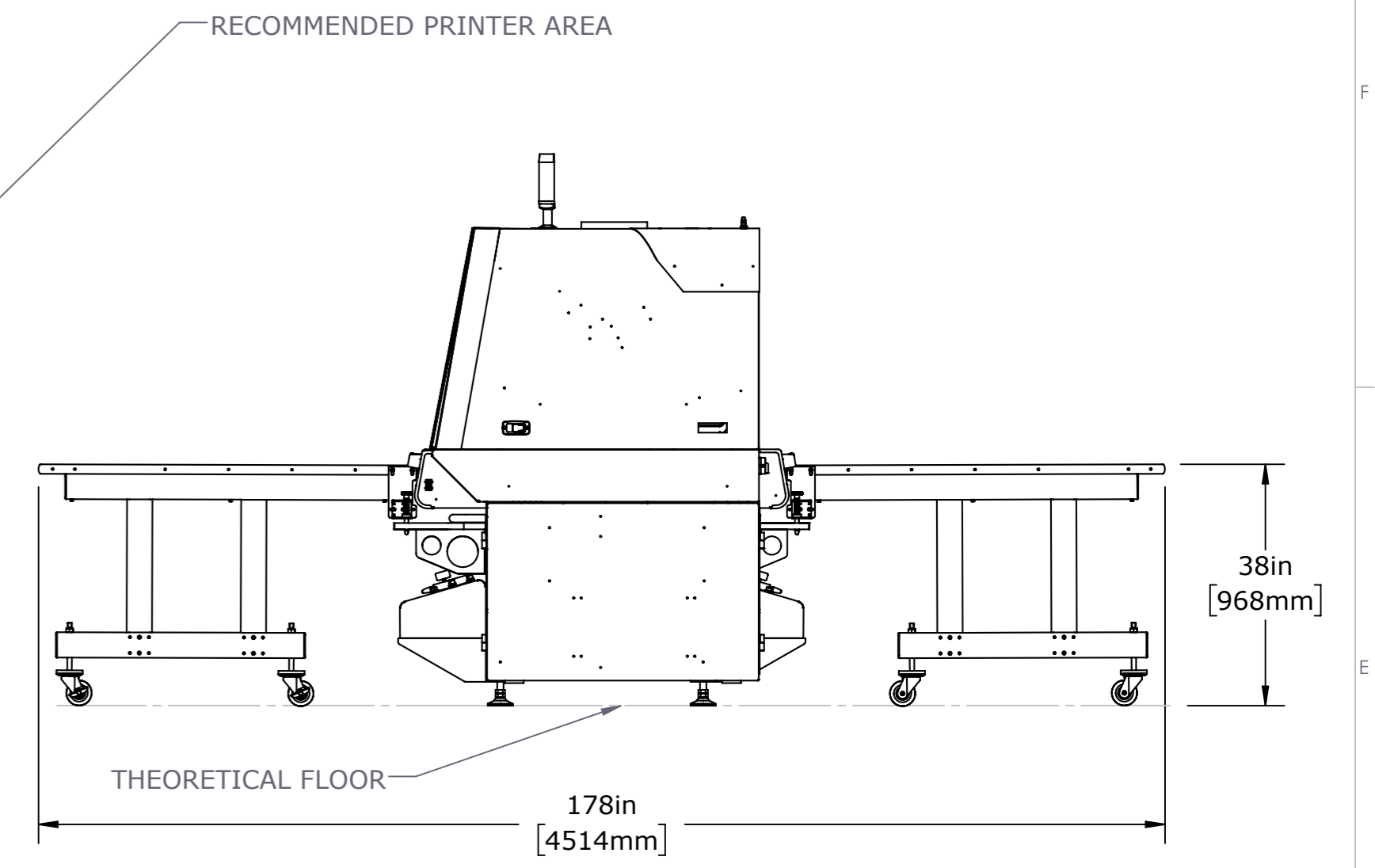
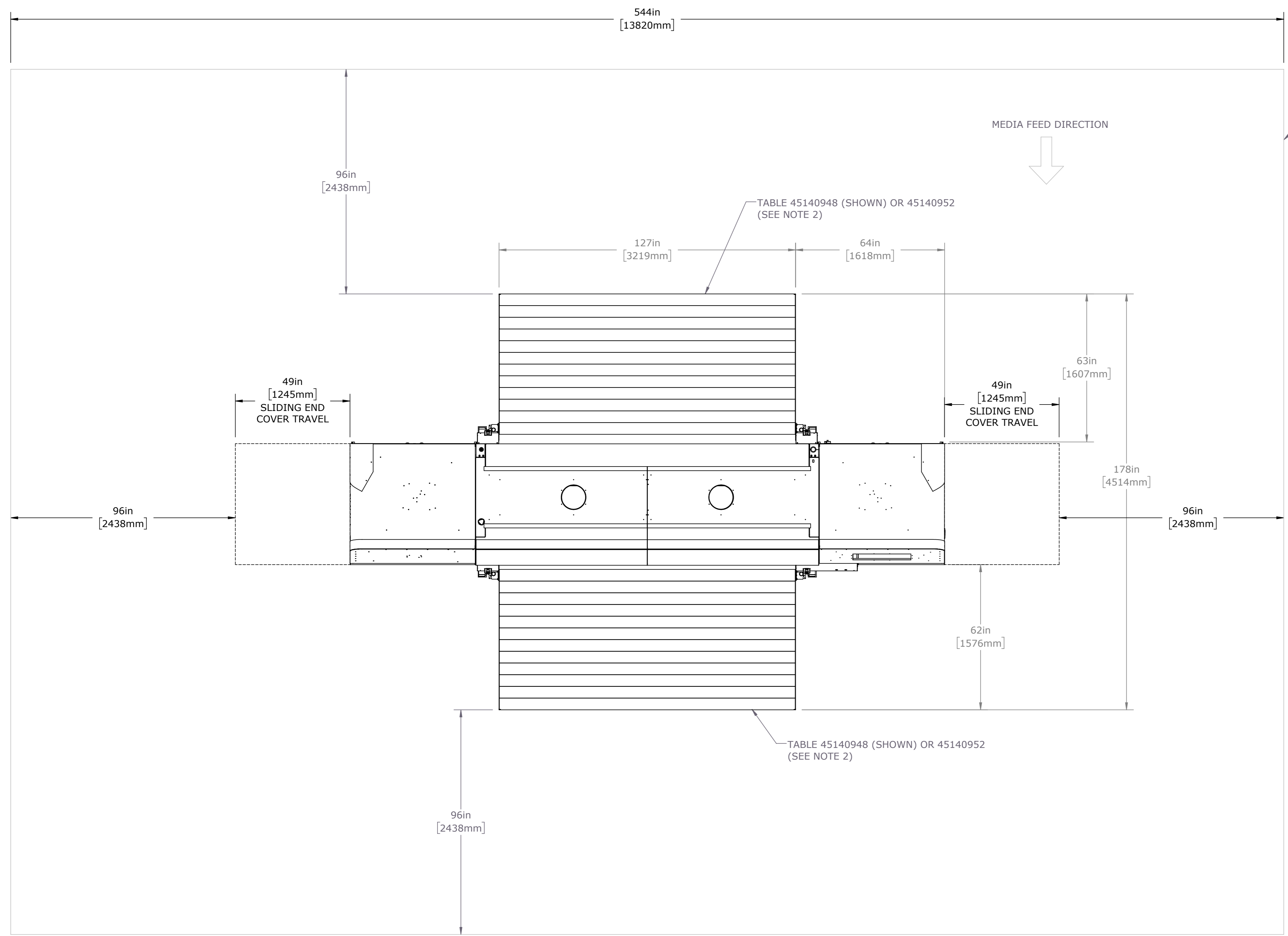
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NOTES:
 1. DIMENSIONS ARE NOMINAL EXCEPT AS SHOWN (DUAL DIMENSIONS ARE IN MILLIMETERS)
 2. MANUAL TABLES REQUIRE 45179897 (KIT, BRACKET, MTG, MANUAL TABLE DOCK, MCKINLEY)

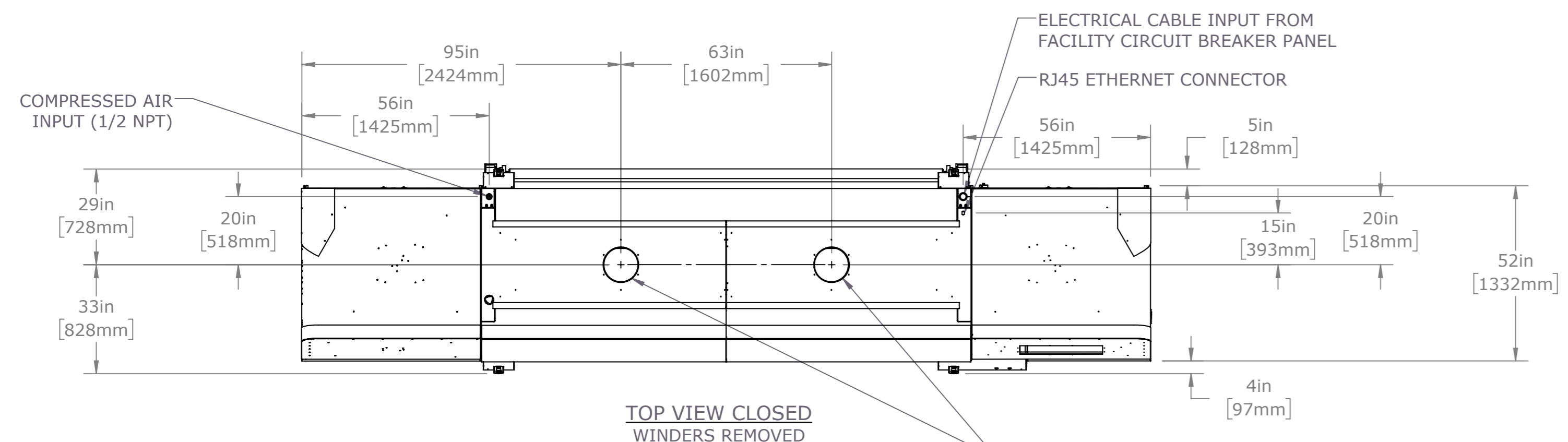
PRINTER WITH OPTIONAL UNWINDER AND REWINDER

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	CAD GENERATED DRAWING. DO NOT MANUALLY UPDATE. DO NOT SCALE DRAWING.	
FRACTIONS DECIMALS ANGLES 1/16 X 1.03 X 15 XX 1.01 XX 1.1 XXX 1.005 XXXX 1.0010	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF EPI, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT WRITTEN PERMISSION OF EPI, INC. IS PROHIBITED. DRAWN: KDD DESIGNED: KDD DATE: 3/28/2018 TITLE: DOC, SITE DWG, H3_H5, MANUAL TABLES PART NO: 45181947 SHEET: 1 OF 2	
MATERIAL: SEE AGILE	VERSION: Dwg Ver: 10 Model Ver: 8	FORM 423-11D



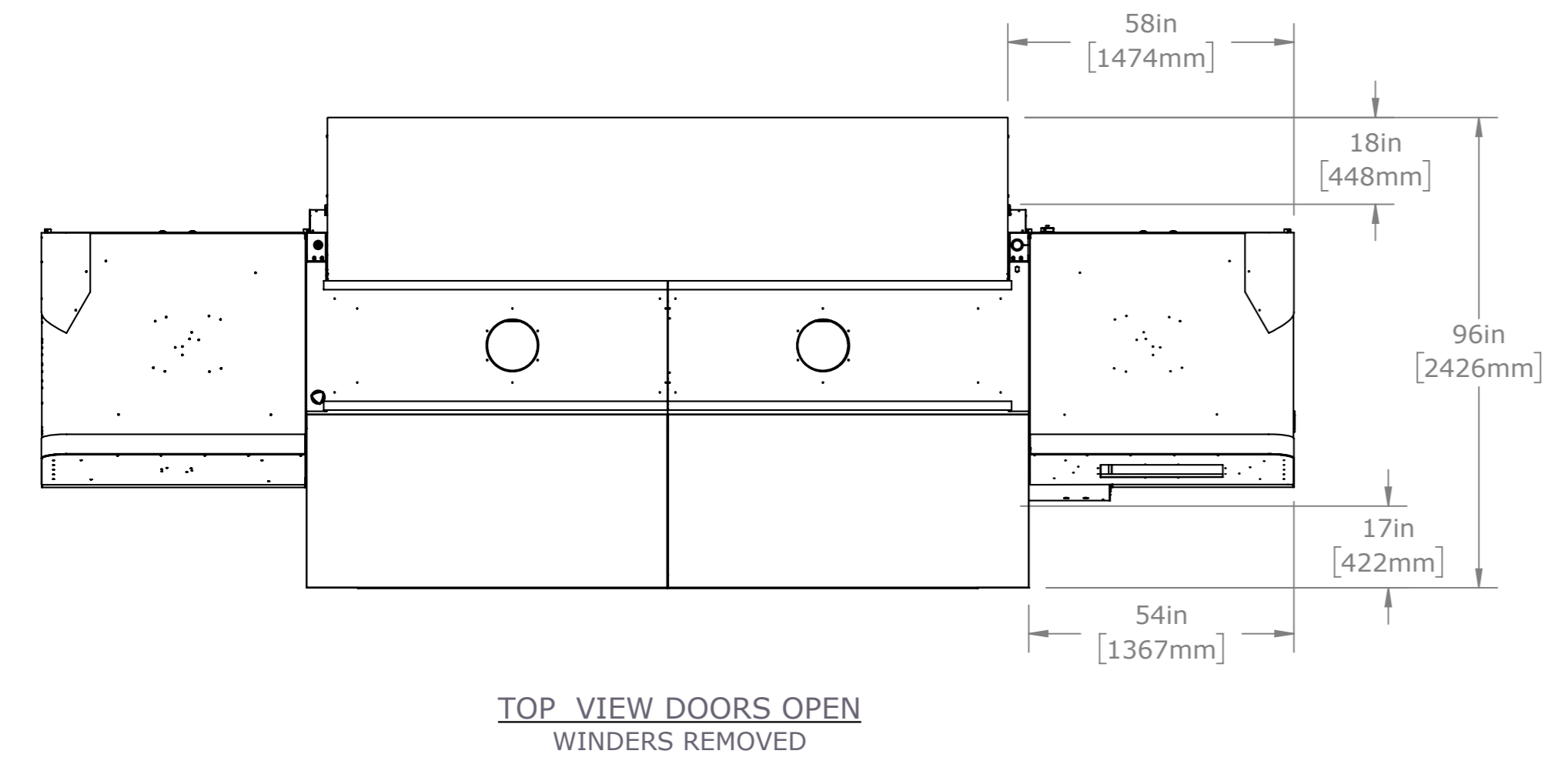
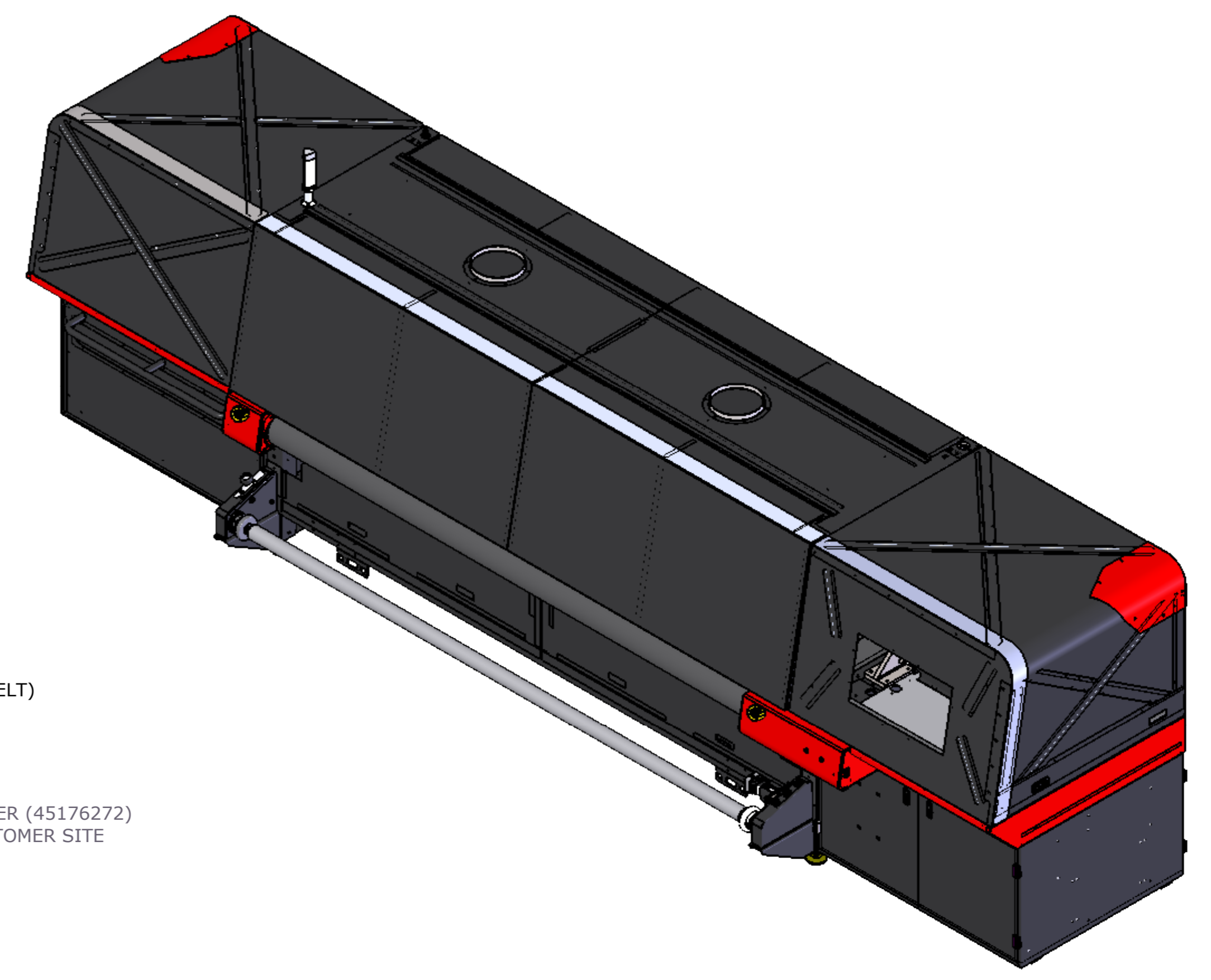
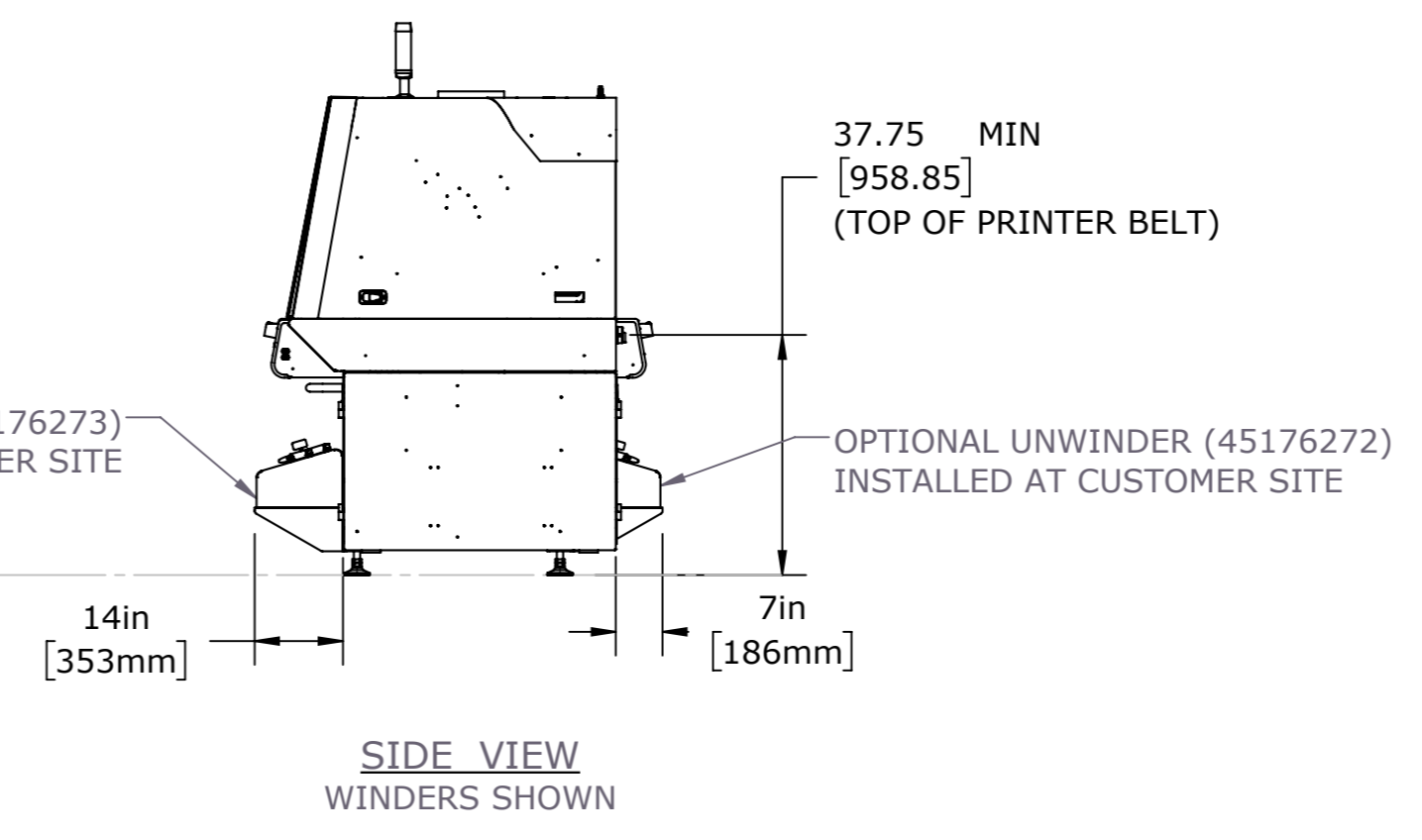
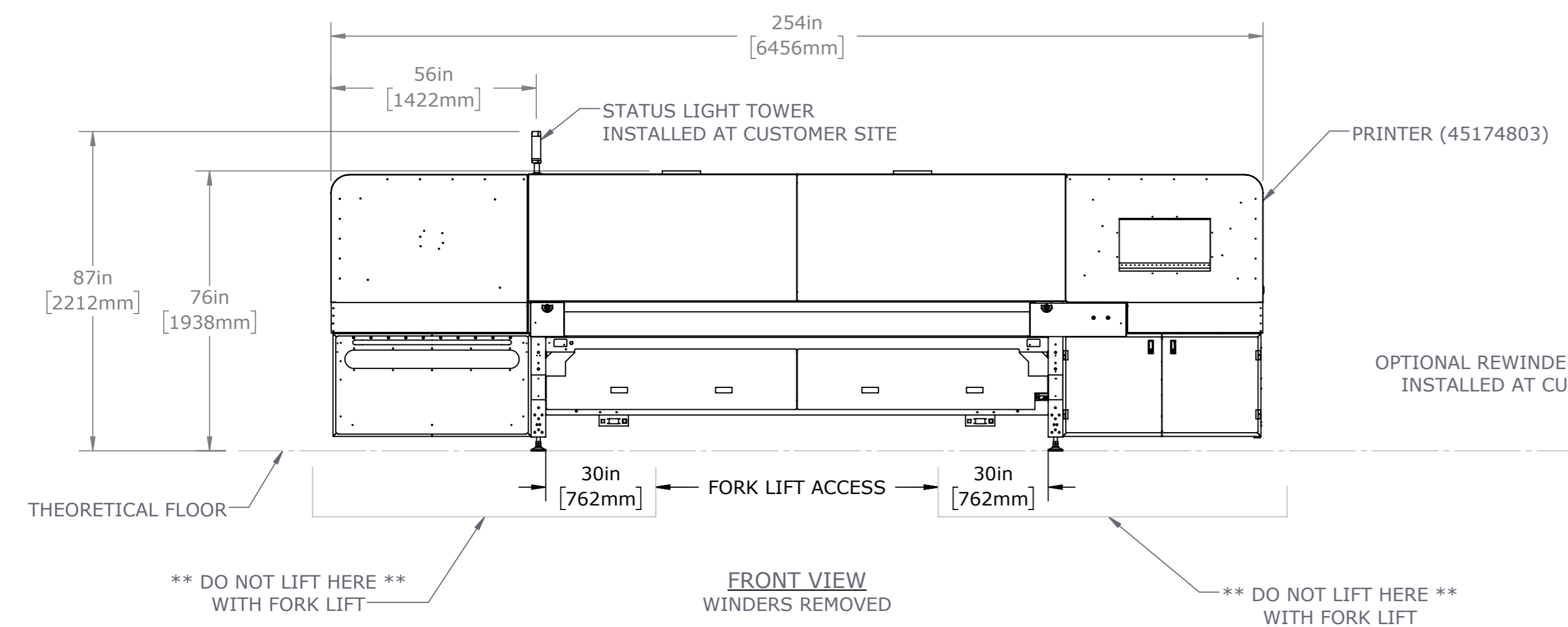
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	CAD GENERATED DRAWING. DO NOT MANUALLY UPDATE. DO NOT SCALE DRAWING.	
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MATERIAL: SEE AGILE	VERSION: Dwg Ver: 10 Model Ver: 8 PLANING: 45181947.DWG SITE DWG, H3_H5, MANUAL TABLES	FORM 423-11D

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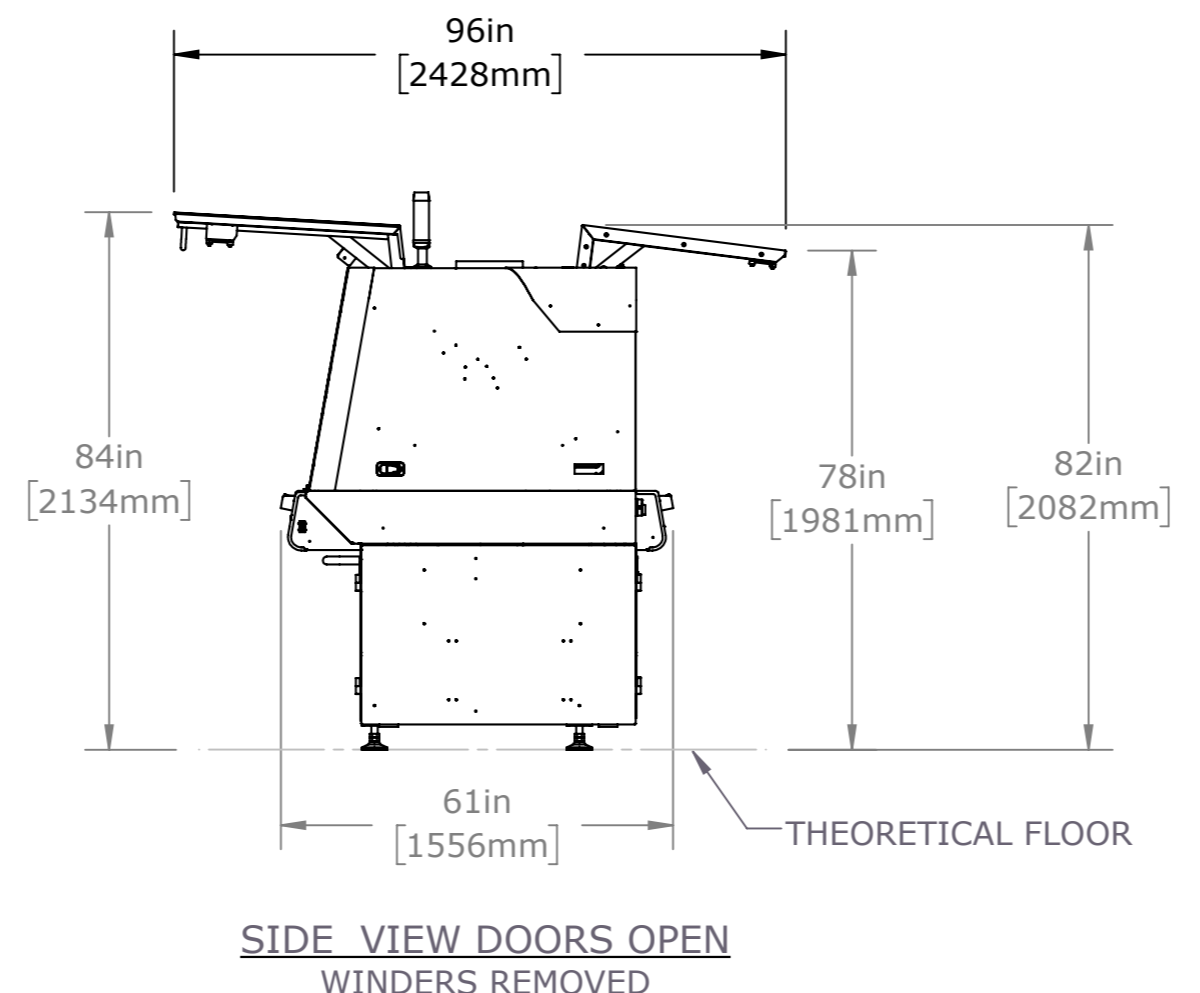


TOP VIEW CLOSED
WINDERS REMOVED

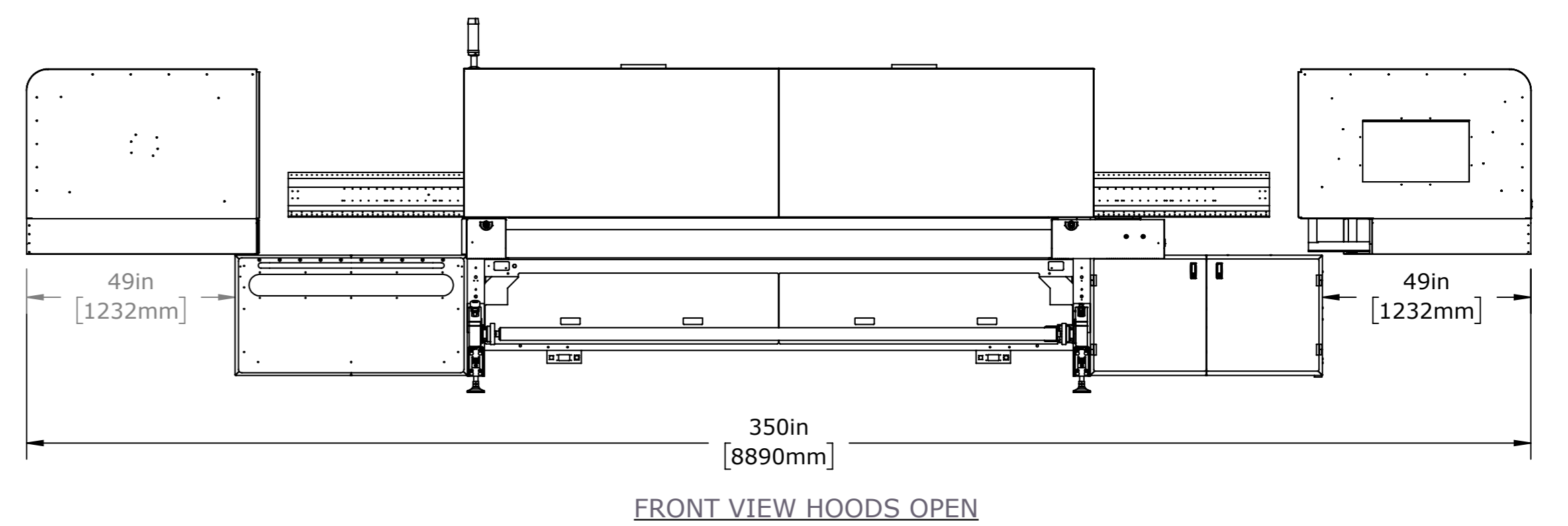
EXHAUST COLLARS:
OUTSIDE DIAMETER 10.41" (26.4 CM)
INSIDE DIAMETER 10.16" (25.8 CM)



TOP VIEW DOORS OPEN
WINDERS REMOVED



SIDE VIEW DOORS OPEN
WINDERS REMOVED

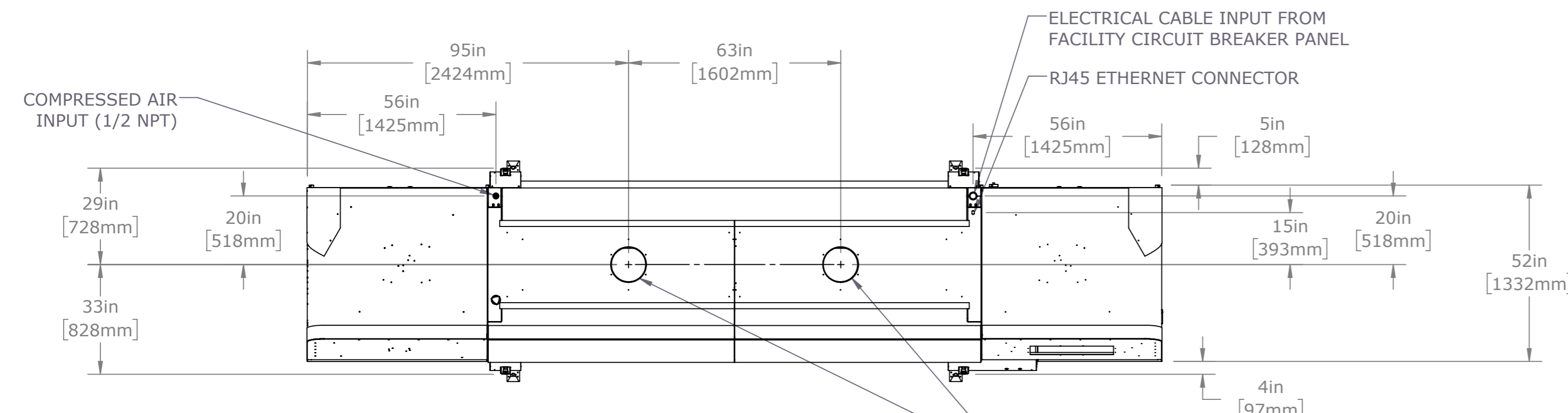


FRONT VIEW HOODS OPEN

NOTES:
1. DIMENSIONS ARE NOMINAL EXCEPT AS SHOWN (DUAL DIMENSIONS ARE IN MILLIMETERS)
2. ALL DIMENSIONS ARE REFERENCE ONLY.

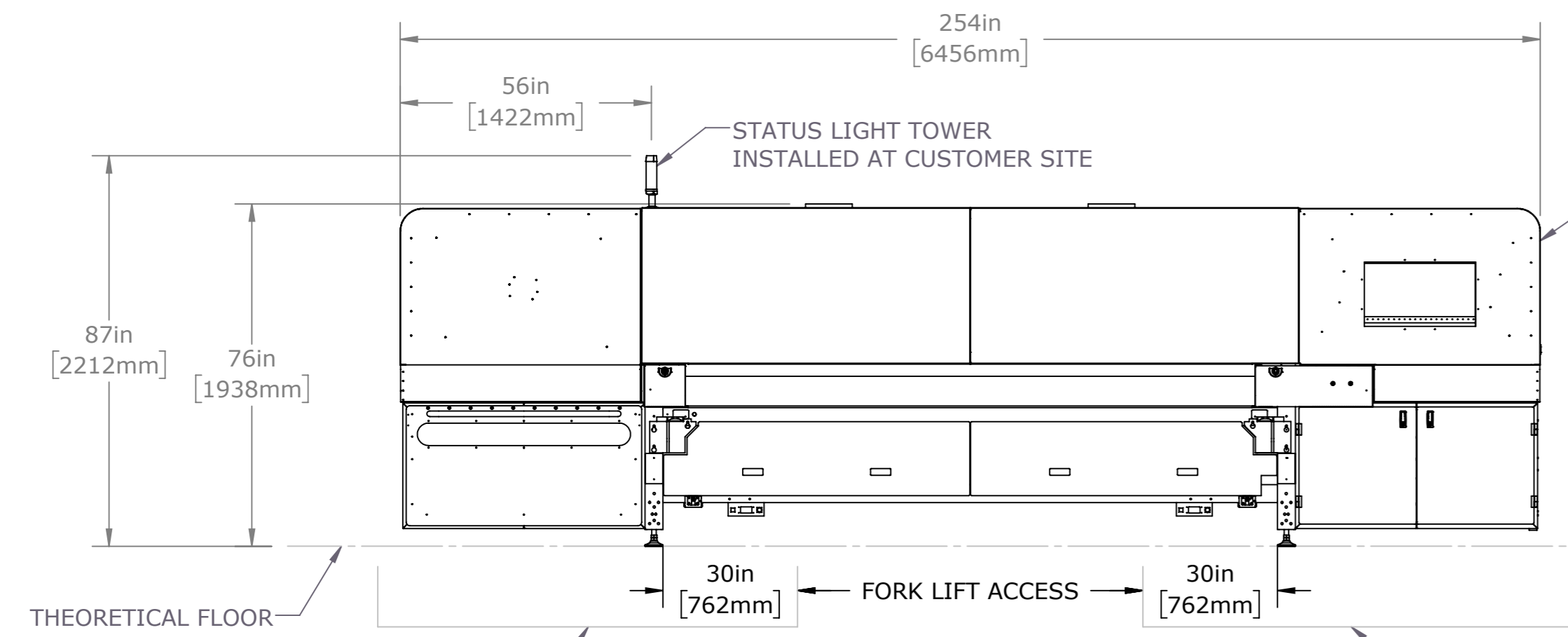
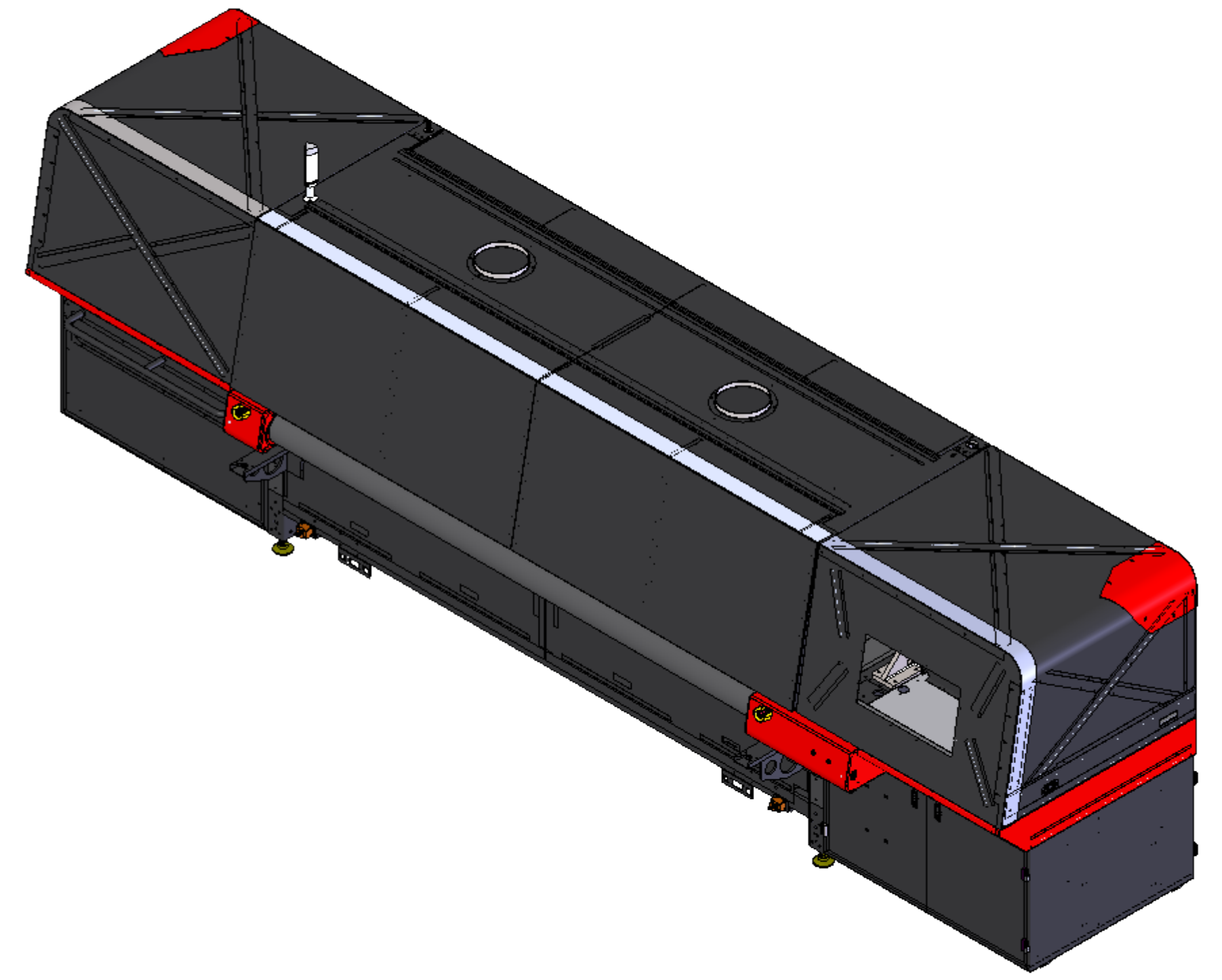
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COATING: N/A	VERSION: Dwg Ver: 9 Model Ver: 9	NO. 45182427
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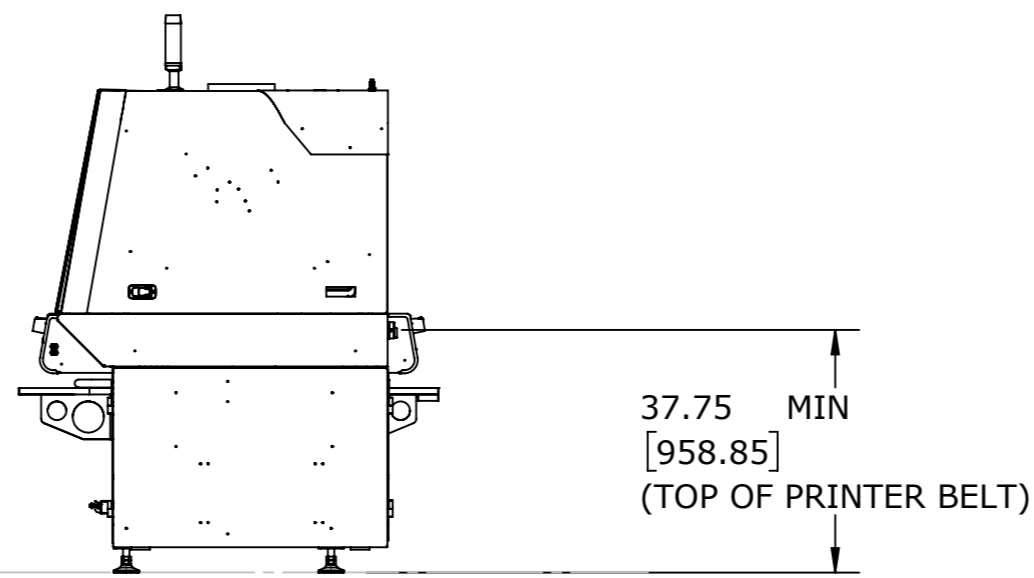


TOP VIEW CLOSED

EXHAUST COLLARS:
OUTSIDE DIAMETER 10.41" (26.4 CM)
INSIDE DIAMETER 10.16" (25.8 CM)



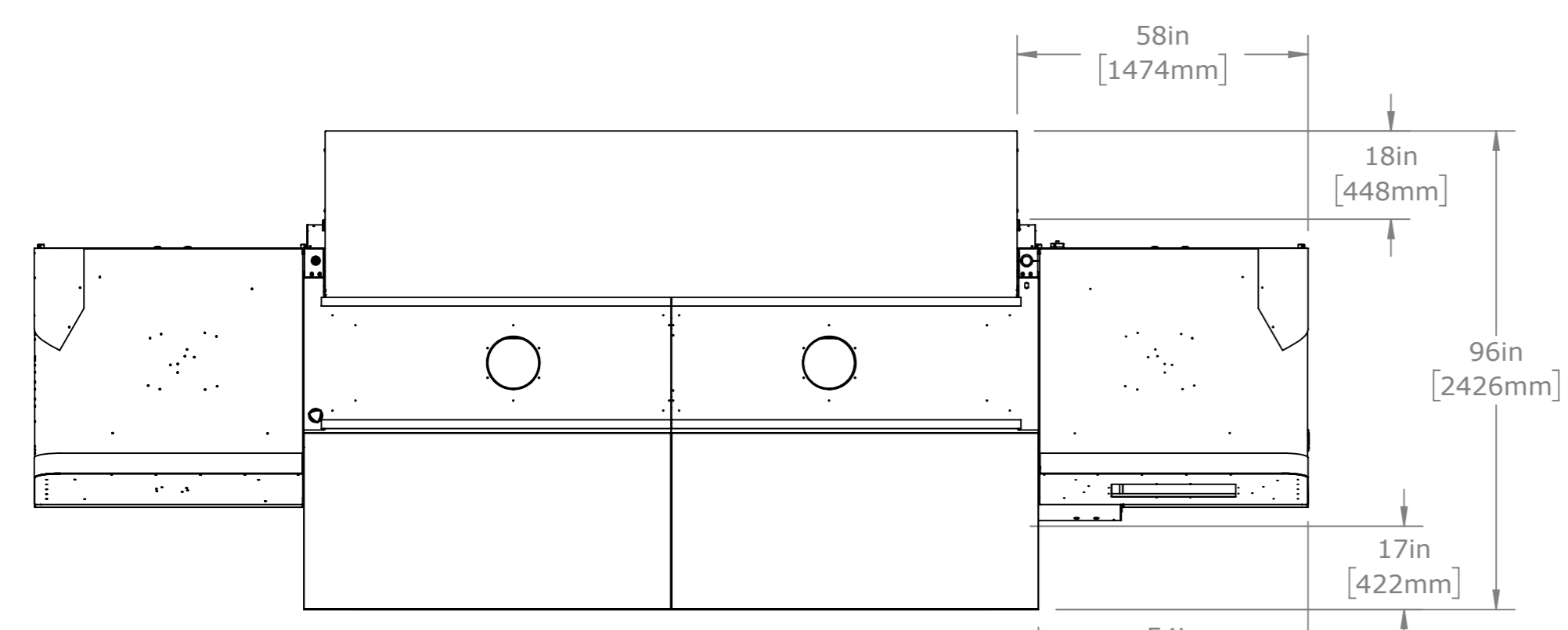
FRONT VIEW



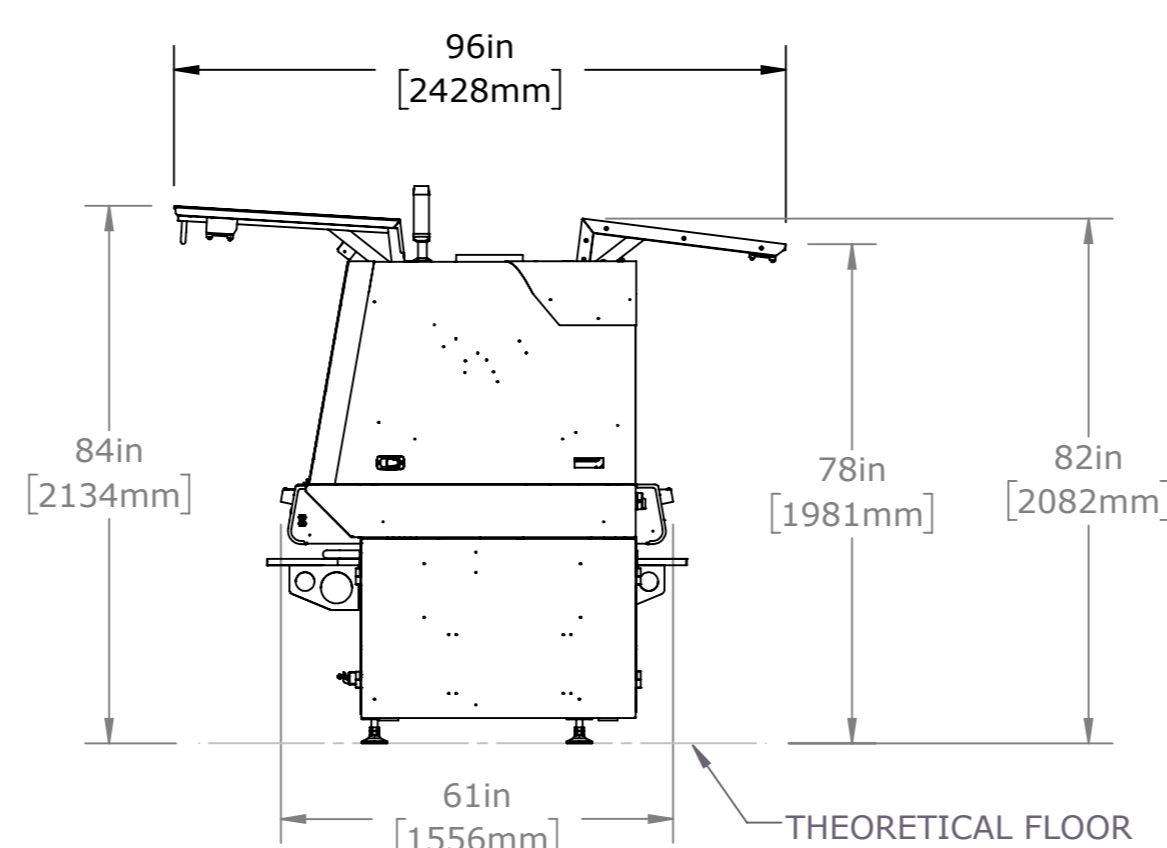
SIDE VIEW

** DO NOT LIFT HERE **
WITH FORK LIFT

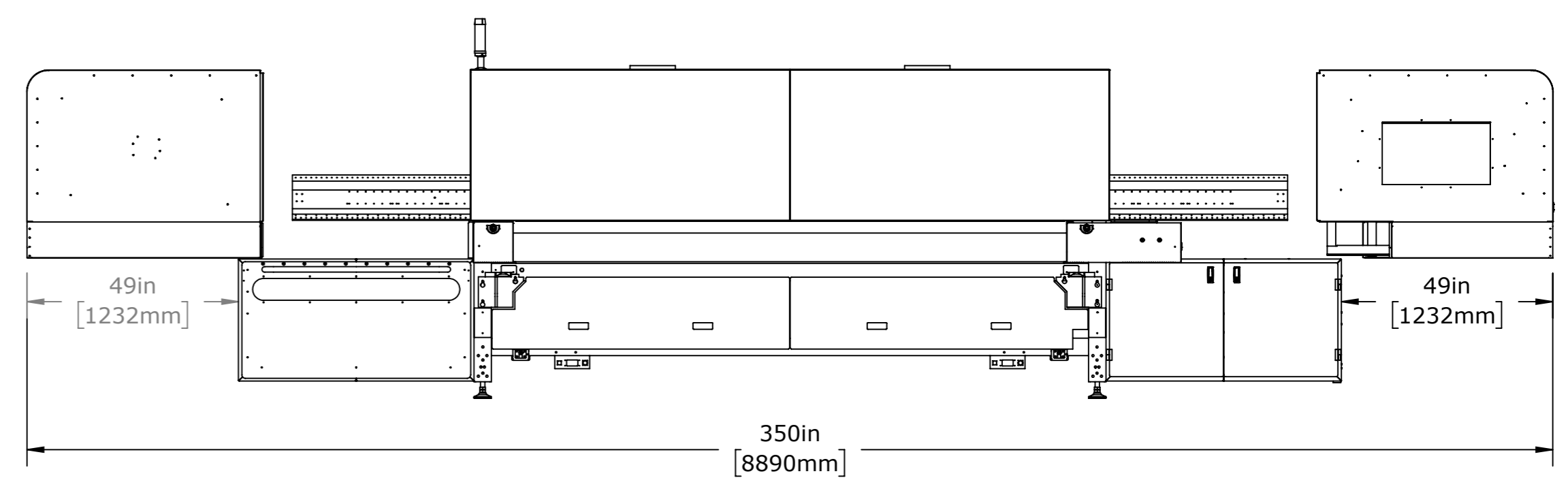
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WITH FORK LIFT



TOP VIEW DOORS OPEN



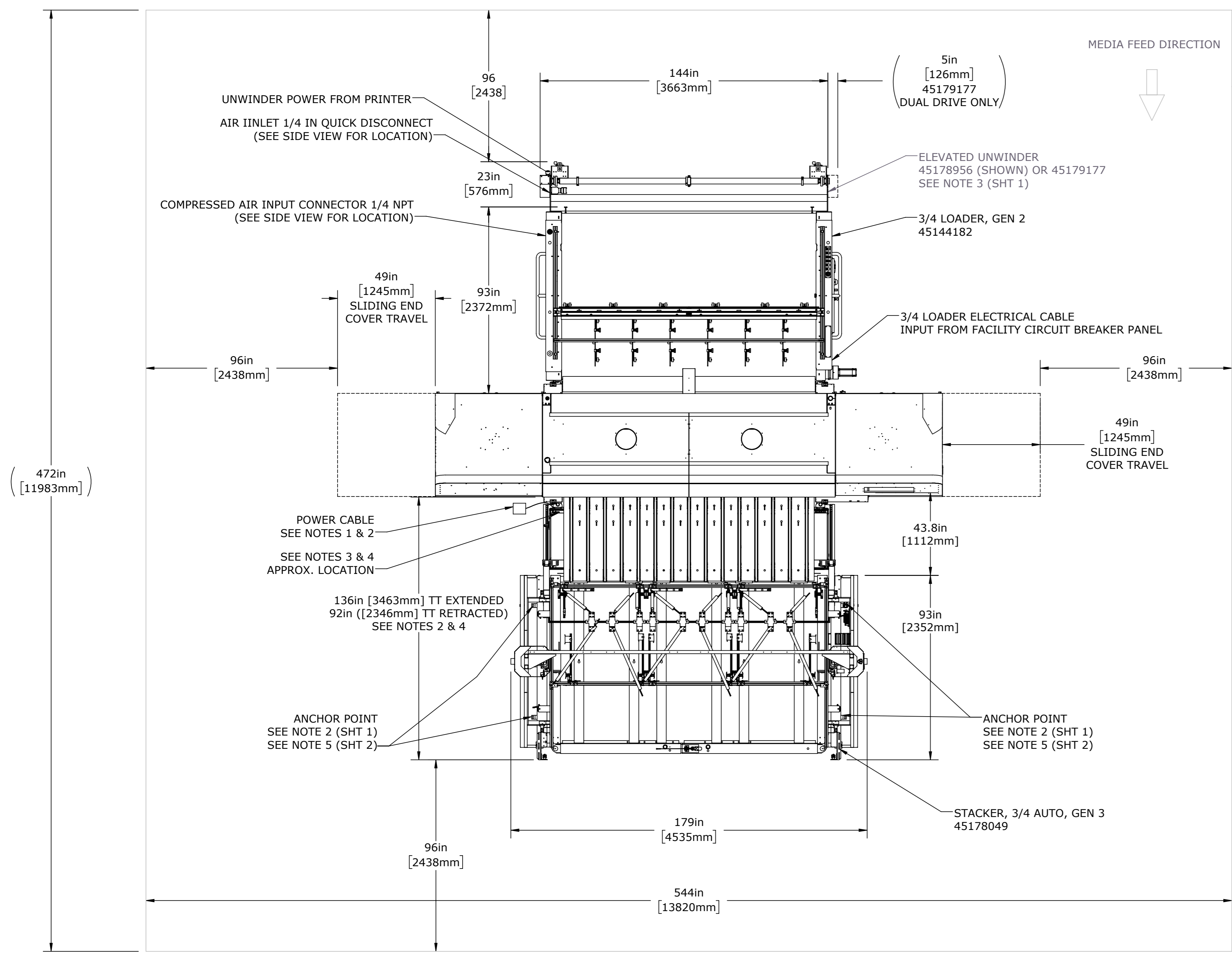
SIDE VIEW DOORS OPEN



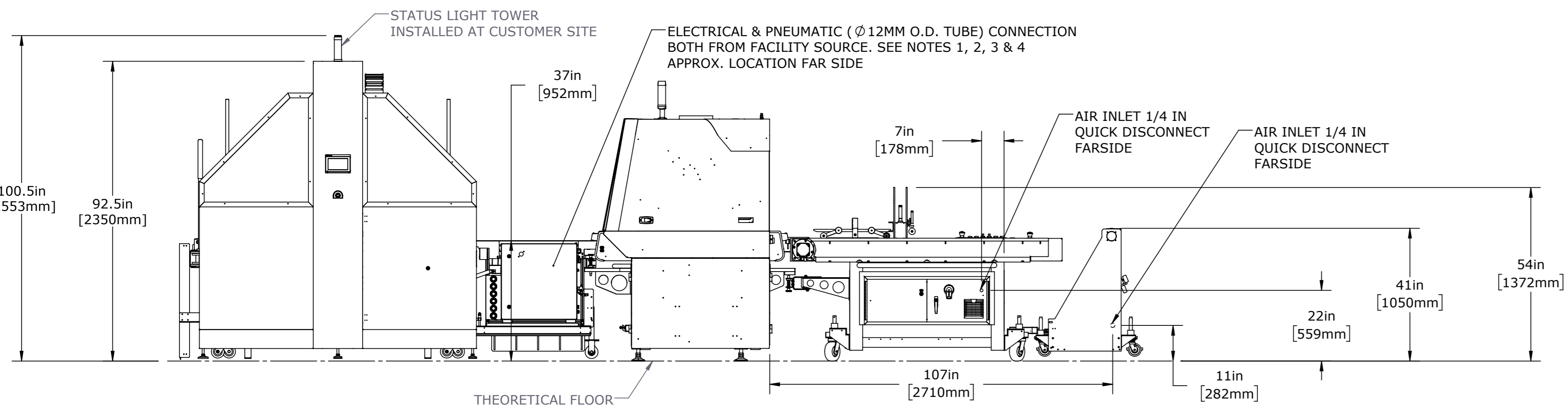
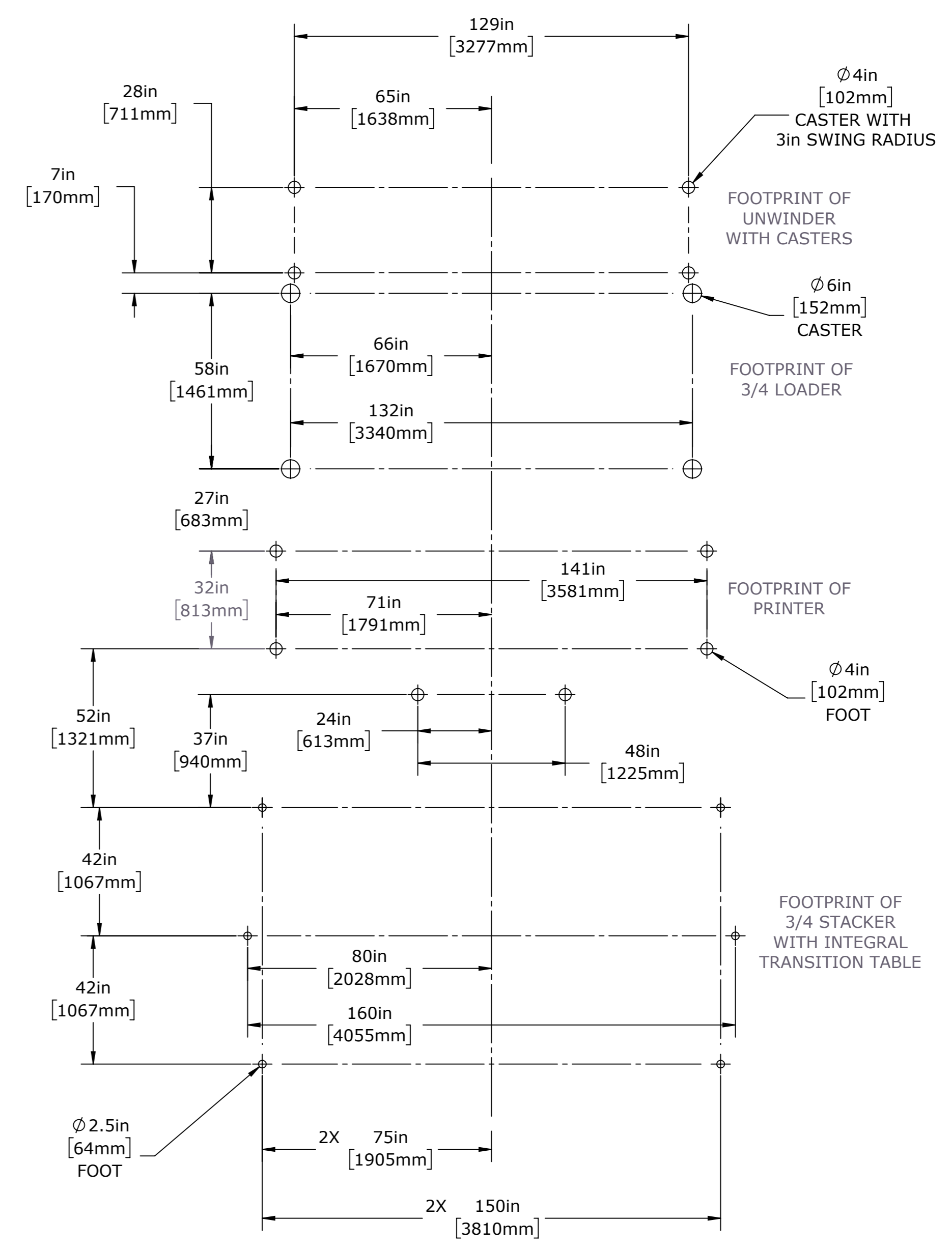
FRONT VIEW HOODS OPEN

- NOTES:
1. DIMENSIONS ARE NOMINAL EXCEPT AS SHOWN (DUAL DIMENSIONS ARE IN MILLIMETERS)
 2. STACKER SHOWN ON SHEET 2 MUST BE ANCHORED TO THE FLOOR, AFTER FINAL POSITION IS ESTABLISHED.
 3. ELEVATED UNWINDER REQUIRES DOCKING KIT 45182839 SUPPLIED WITH WINDER. SEE 45182427 FOR WINDER INPUT REQUIREMENTS.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	CAD GENERATED DRAWING. DO NOT MANUALLY UPDATE DO NOT SCALE DRAWING	
FRACTIONS DECIMALS ANGLES 1/16 XX 1.03 X 2.5 XX 1.01 XX 1.1 XXX 1.005 XXXX 1.0010	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF EFI, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT WRITTEN PERMISSION OF EFI, INC. IS PROHIBITED.	
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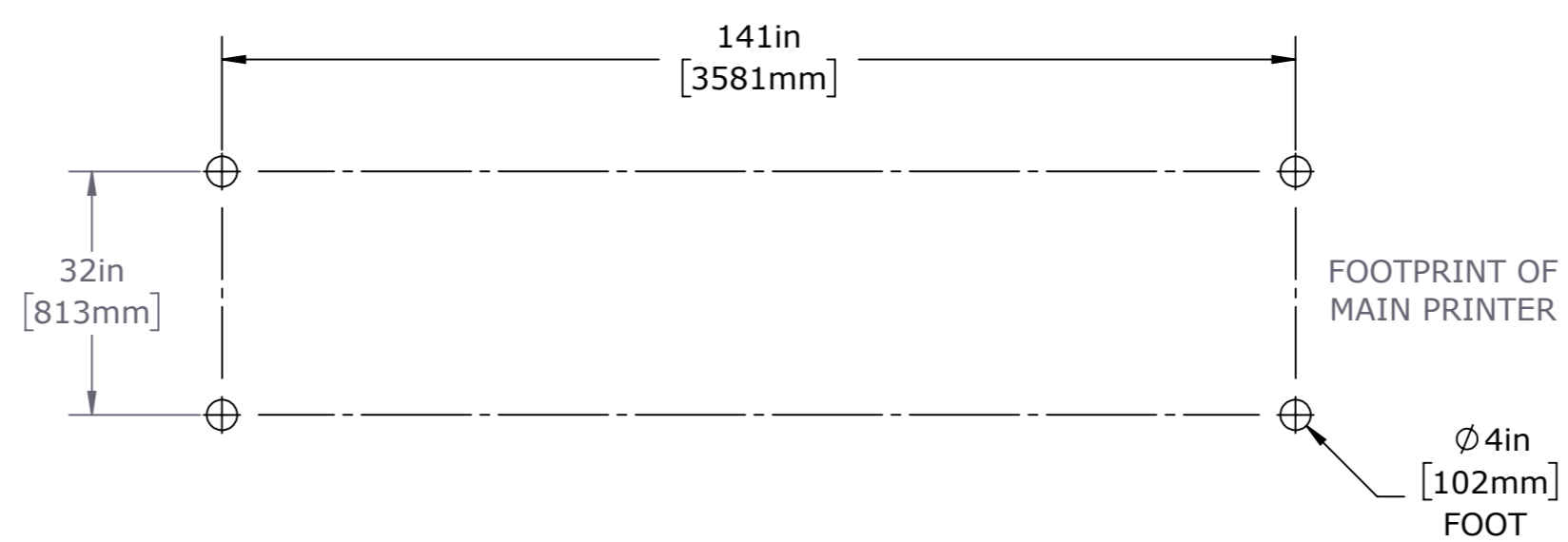
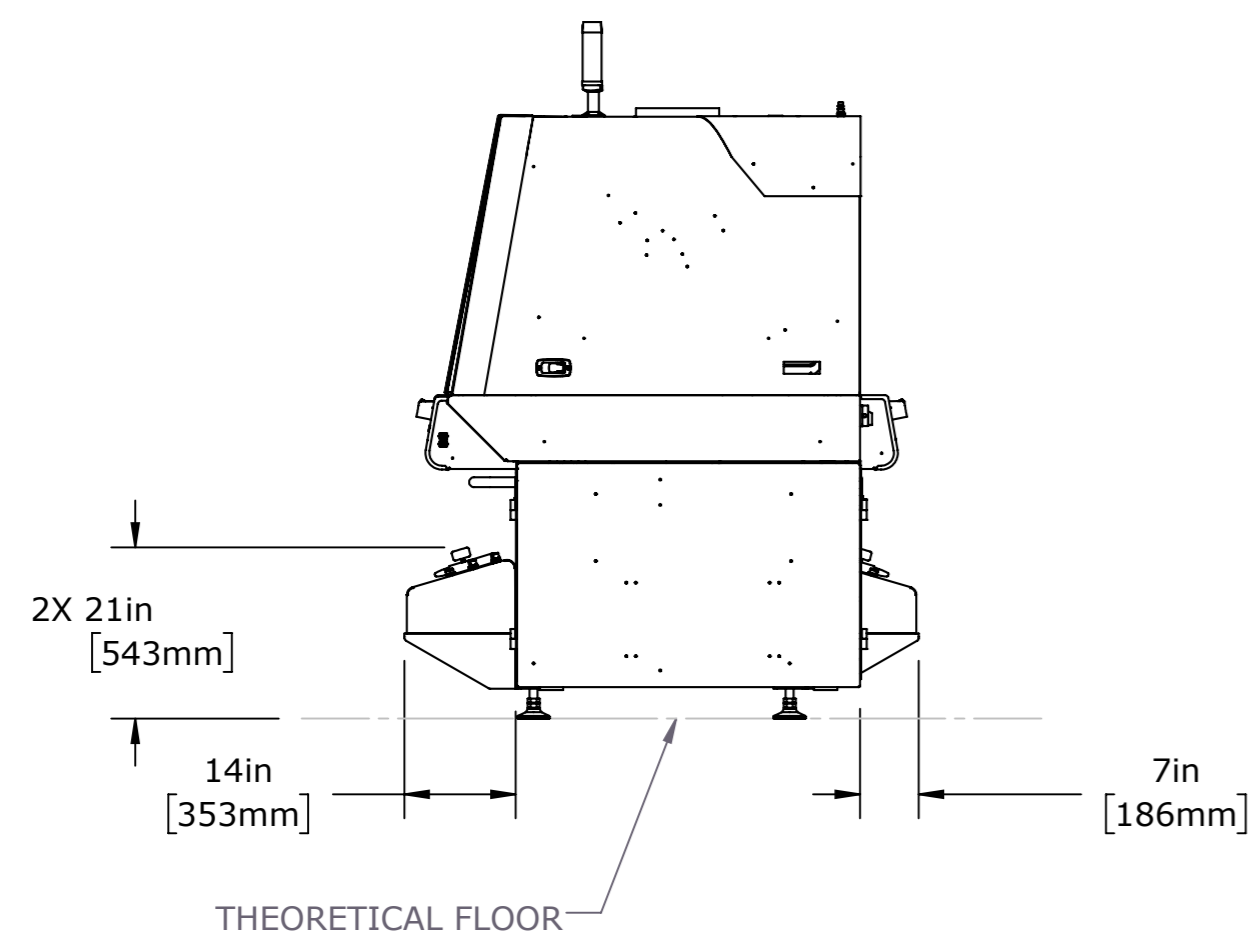
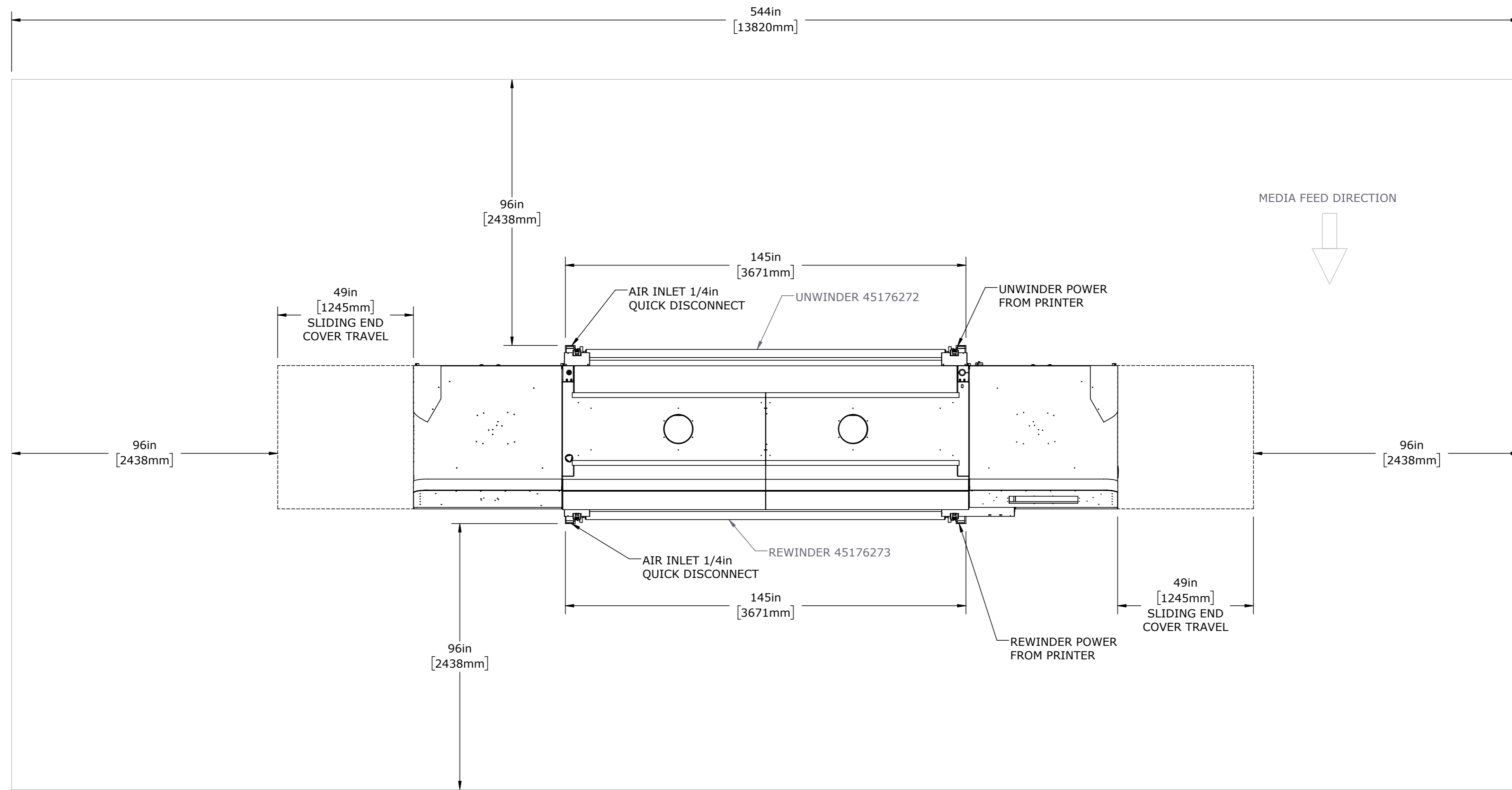


- NOTES:
1. POWER REQUIREMENTS: DEFINED IN 3/4 STACKER GEN 3 ENGINEERING SPECIFICATION 45183714.
 2. POWER FEED MUST ACCOMMODATE THE TRANSITION TABLE (TT) IN BOTH EXTENDED AND RETRACTED POSITIONS.
 3. AIR REQUIREMENTS: CLEAN DRY AIR, 80CFM @ 90PSI
 4. AIR FEED MUST ACCOMMODATE THE TRANSITION TABLE (TT) IN BOTH EXTENDED AND RETRACTED POSITIONS.
 5. MACHINE LAGGING REQUIREMENTS: M12 CONCRETE ANCHORS IN 4" THICK MINIMUM OF 4000 PSI CONCRETE. ANCHOR ENGAGEMENT 3.5" MINIMUM
 6. ESTIMATED MACHINE WEIGHT: 4500 TO 5000 LBS
- FACILITY CONNECTIONS PROVIDED:
- AIR: 12MM OD TUBE RATED FOR 200 PSI OR GREATER
 - ELECTRICAL: NEMA STYLE L16-30P TWISTLOCK RECEPTACLE, 30 AMP, 4 WIRE



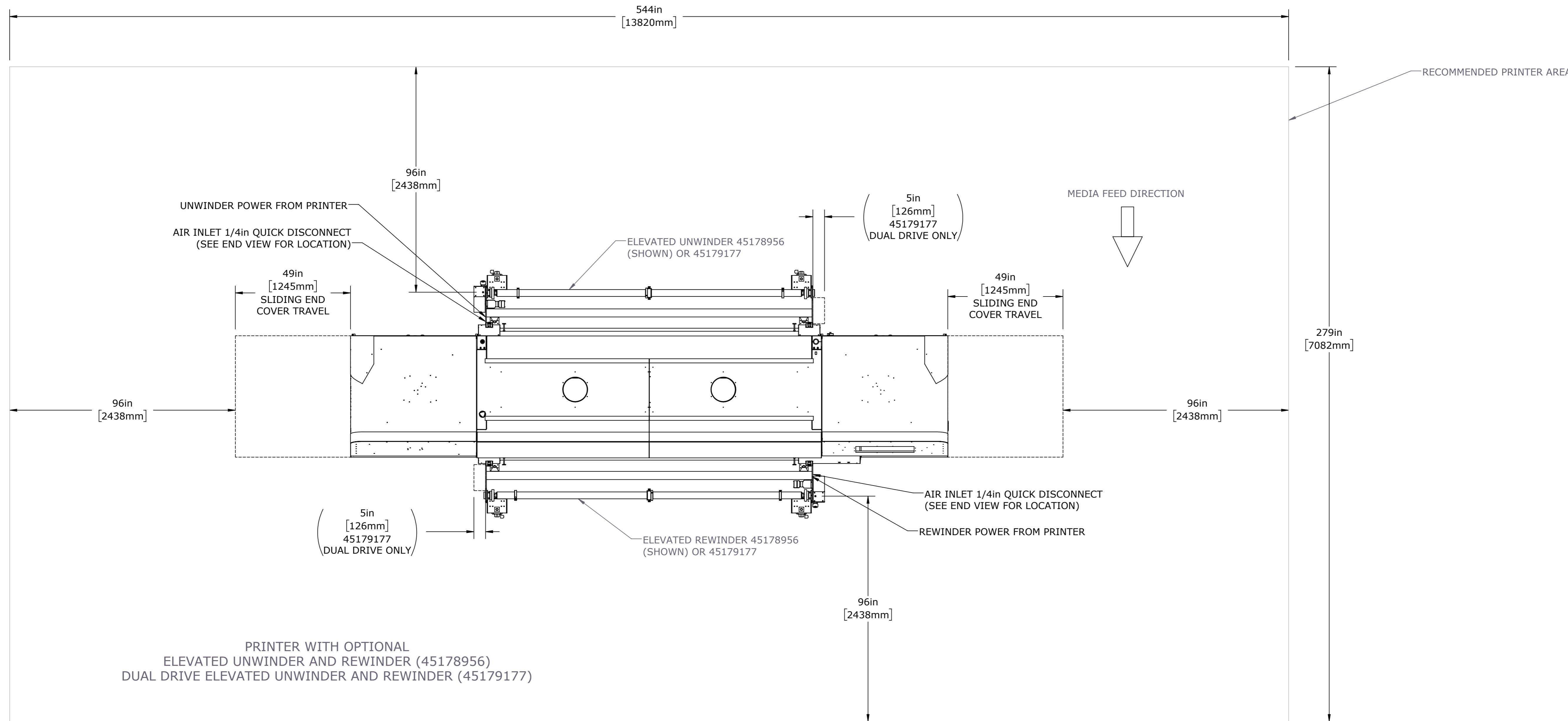
PRINTER WITH OPTIONAL ELEVATED WINDERS & 3/4 LOADER

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	CAD GENERATED DRAWING. DO NOT MANUALLY UPDATE. DO NOT SCALE DRAWING.	
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FILENAME: 45182607.DWG SITE DWG, H3_H5, 3_4 AUTO	SCALE: 1:32 SHEET 2 OF 2	FORM 423-11D

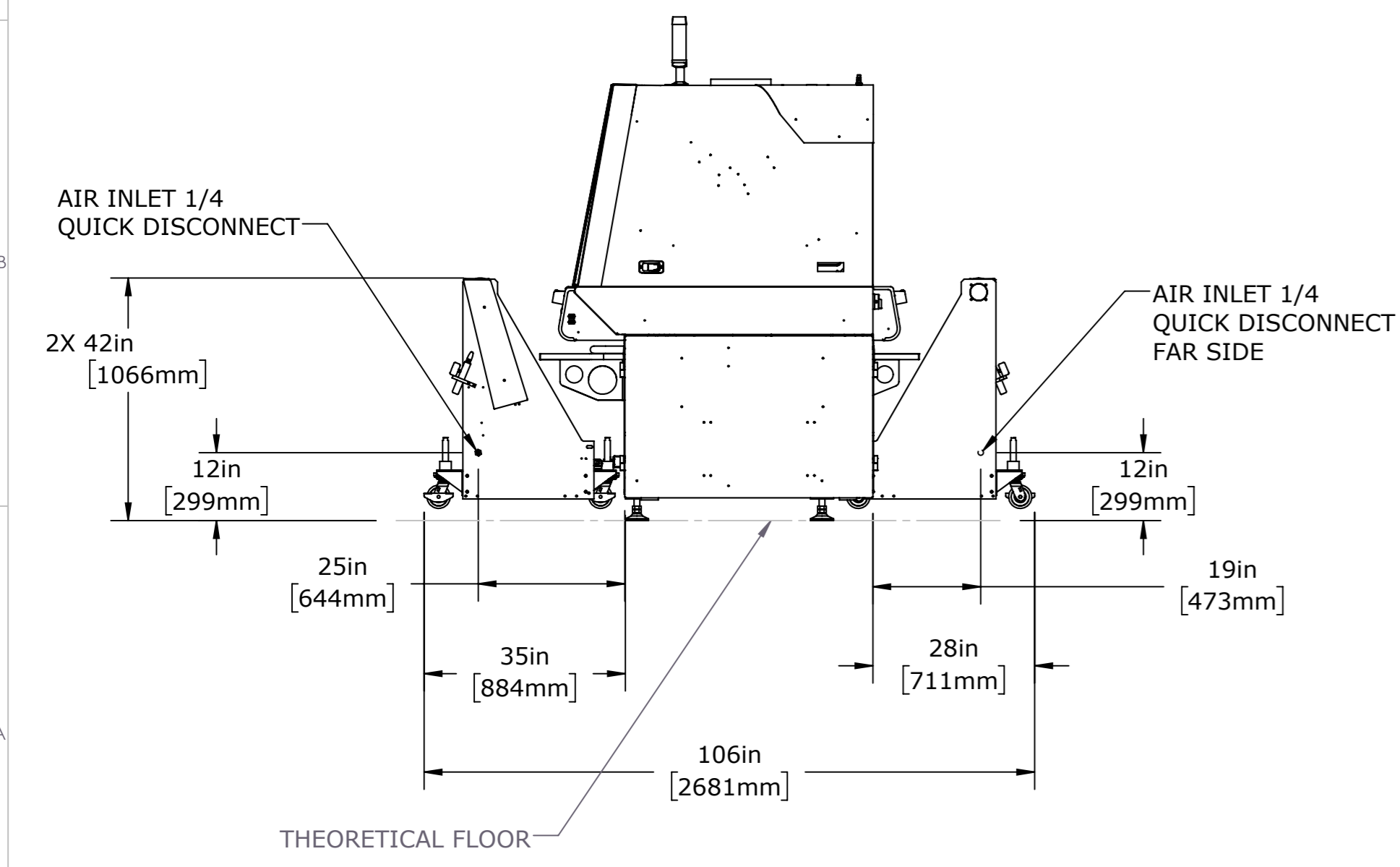


PRINTER WITH OPTIONAL UNWINDER AND REWINDER

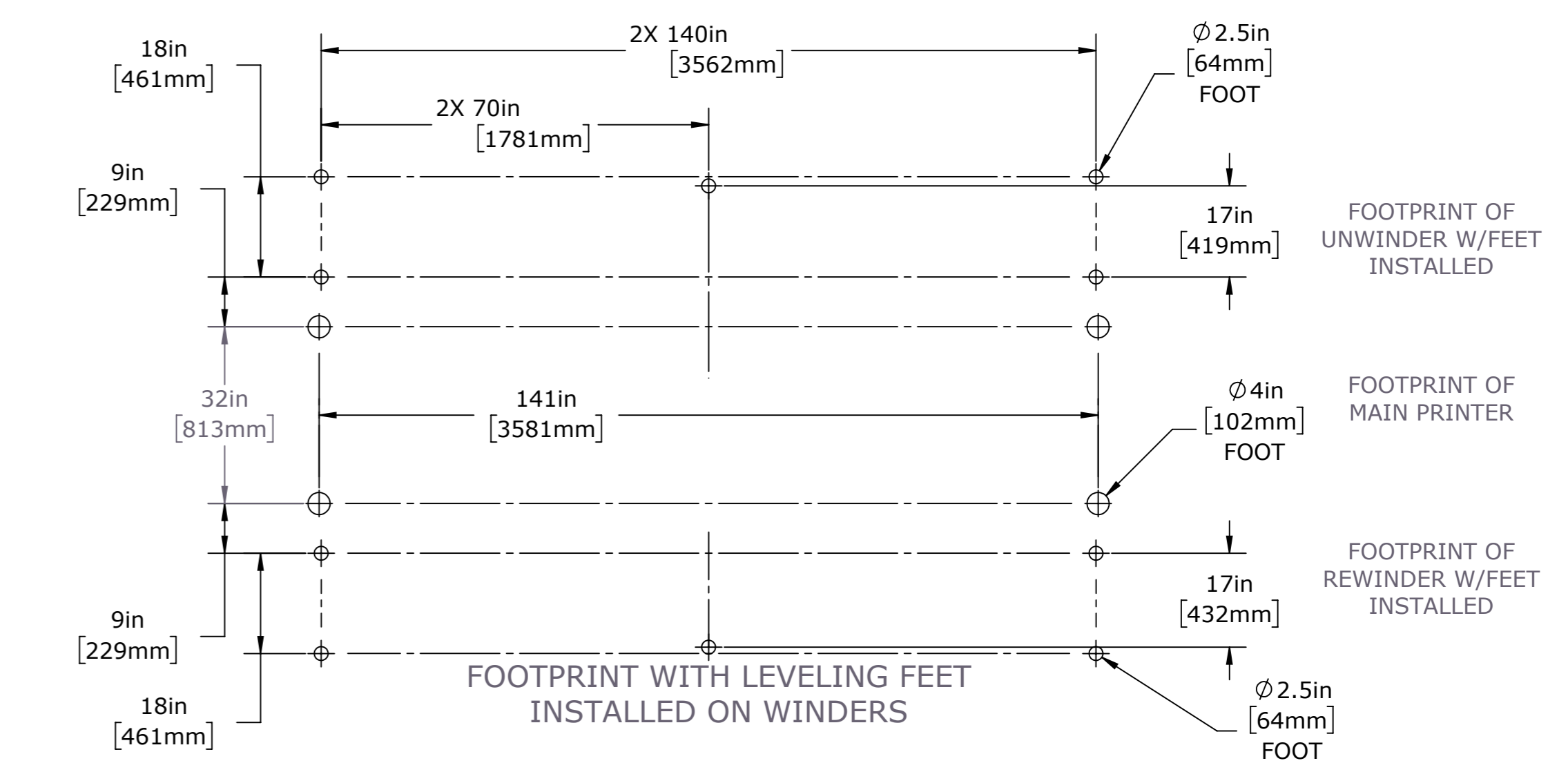
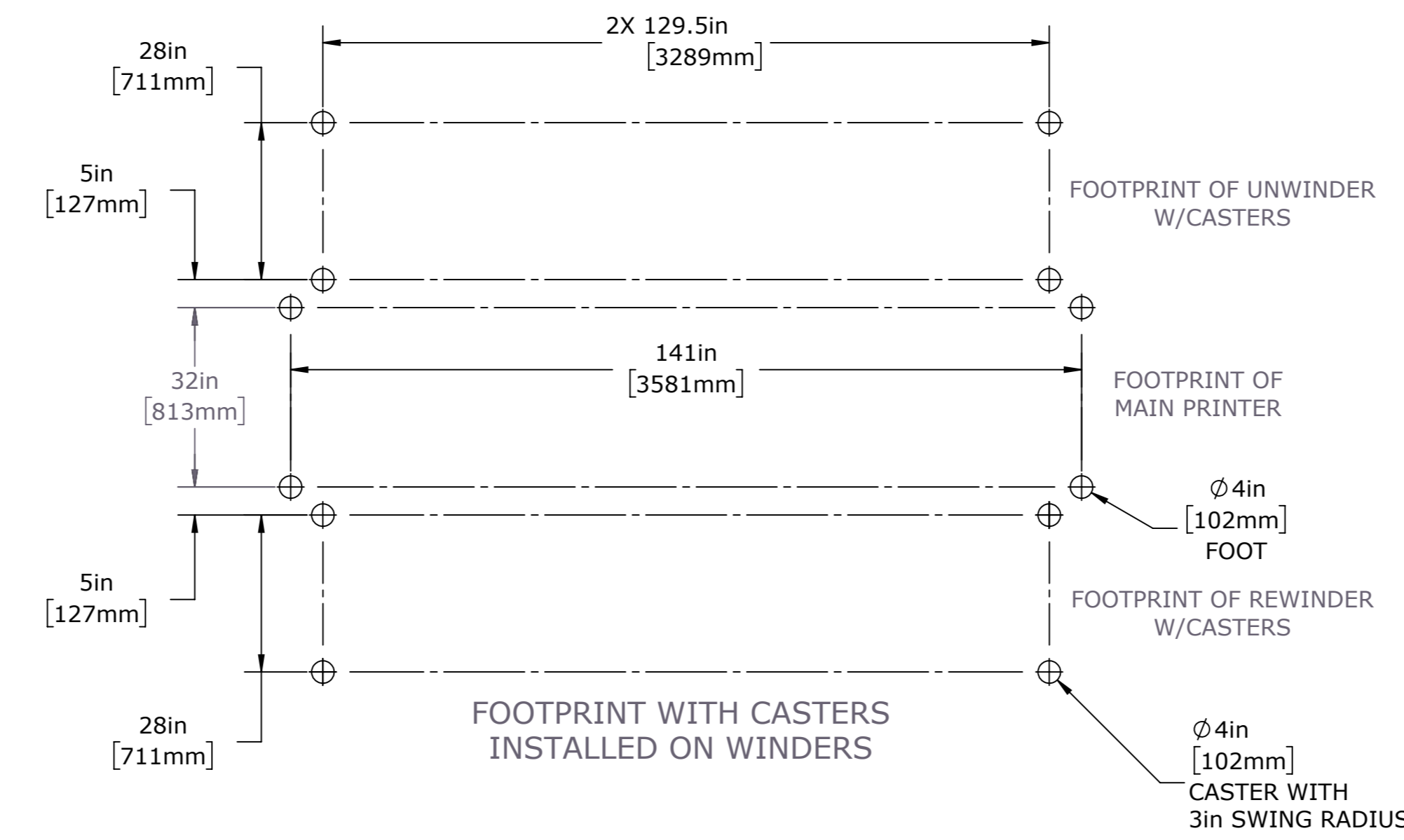
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REMOVE ALL DIMS AND SHARP EDGES EXCEPT WHERE NOTED OTHERWISE	DATE: 4/11/2018	TITLE: DOC, SITE DWG, H3_H5, WINDERS
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DESIGNED: DBR	DATE: 4/11/2018	NO: 45182427
VERSION: Dwg Ver: 9	Model Ver: 9	SHEET: 2 of 4
FILENAME: 45182427.DWG; SITE DWG; H3_H5_WINDERS		FORM 423-11D



PRINTER WITH OPTIONAL
ELEVATED UNWINDER AND REWINDER (45178956)
DUAL DRIVE ELEVATED UNWINDER AND REWINDER (45179177)



SHOWN WITH CASTERS INSTALLED ON WINDERS

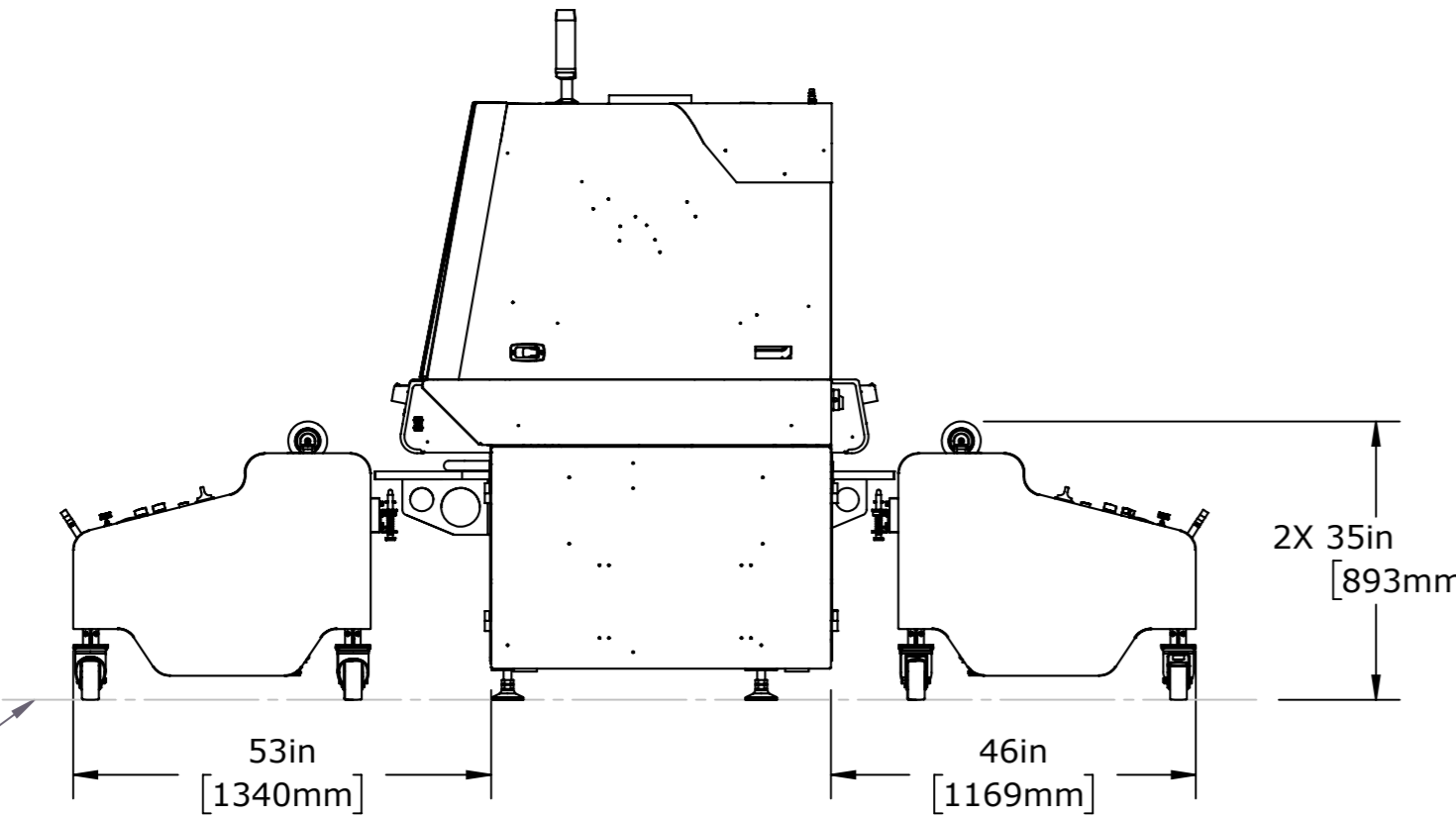
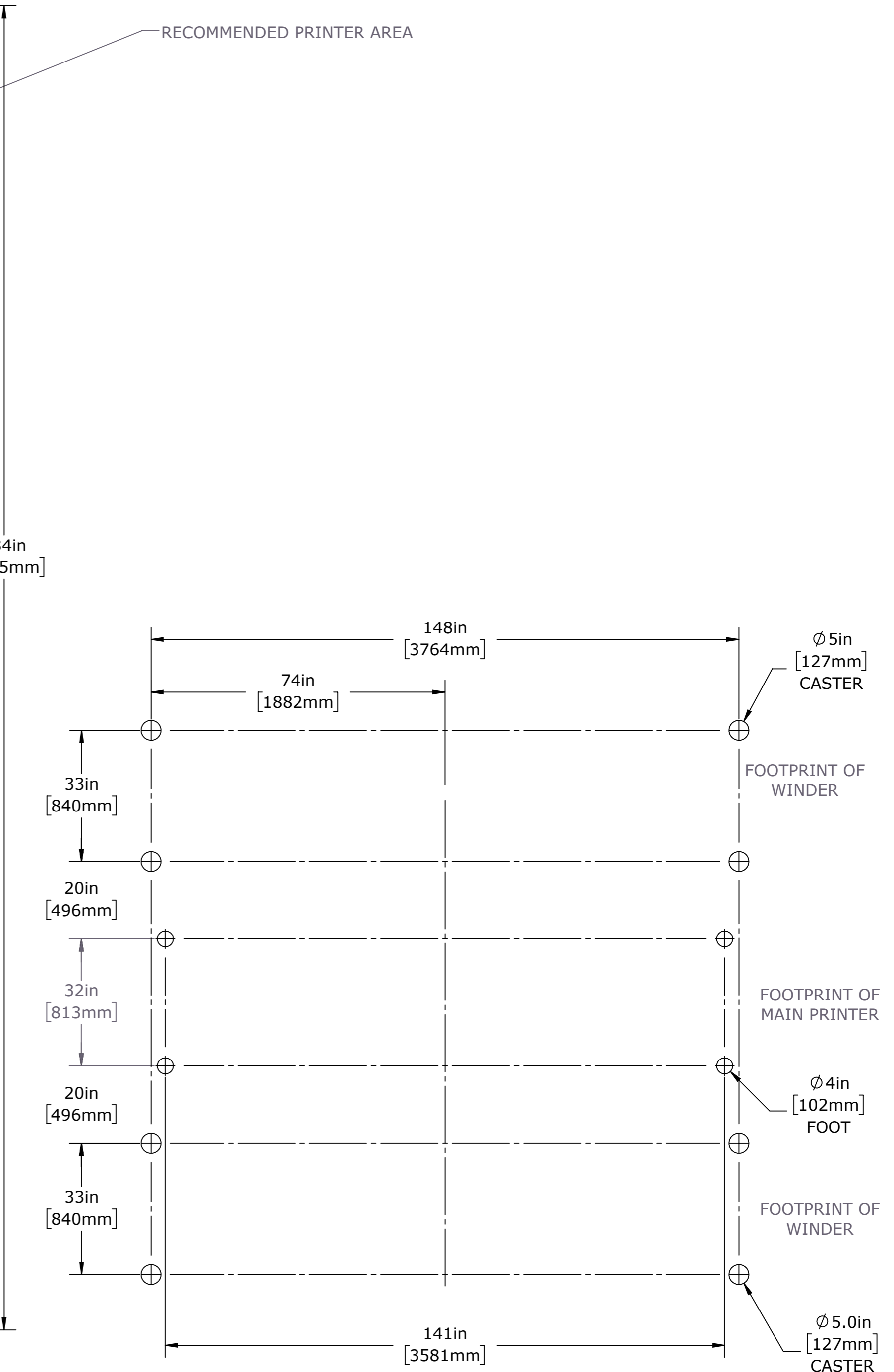
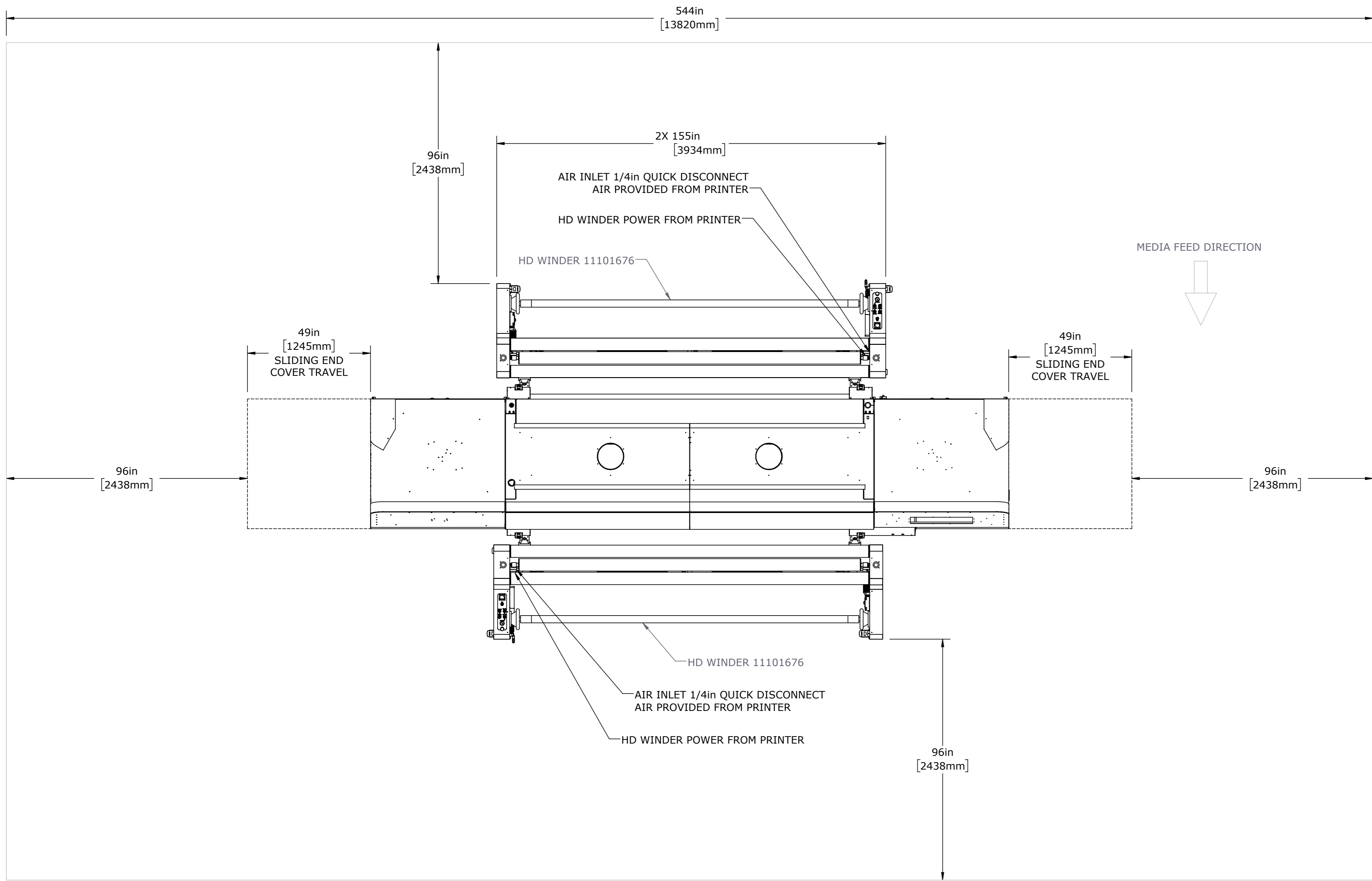


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FRACTIONS: XX 1/16 XX 1/32 XX 1/4 XX 1/2 XX 3/4 XX 1	DECIMALS: .XX .XXX .XXXX	ANGLES: XX° XX' XX"	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF EFI, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT WRITTEN PERMISSION OF EFI, INC. IS PROHIBITED.
REMOVE ALL DIMS AND SHARP EDGES EXCEPT WHERE NOTED OTHERWISE	HIDE AREA PRODUCTION	DATE 4/11/2018	SCALE 1:1
MATERIAL N/A	DESIGNED BY DBR	DATE 4/11/2018	REVISED BY D
VERSION N/A	DESCRIPTION Dwg Ver: 9 PLANTING: 45182427 DOC: SITE DWG: H3_H5_WINDERS	MODEL VER: 9	SHEET NO: 1



DOC, SITE DWG, H3_H5,
WINDERS

45182427



PRINTER WITH OPTIONAL
HD WINDER ASSY FEEDER/COLLECTOR HS125
11101676

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	CAD GENERATED DRAWING. DO NOT MANUALLY UPDATE DO NOT SCALE DRAWING	
FRACTIONS DECIMALS ANGLES 1/16 X 1/32 X 1/8 XX 1.01 XX 1.1 XXX 1.001 XXXX 1.0010	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF EFI, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT WRITTEN PERMISSION OF EFI, INC. IS PROHIBITED.	
REMOVE ALL BIRMS AND SHARP EDGES EXCEPT WHERE NOTED OTHERWISE	DRAWN: CAE DATE: 4/11/2018 CHECKED: DBR DATE: 4/11/2018 VERSION: Dwg Ver: 9 Model Ver: 9 FILENAME: \\11101676.DWG SITE DWG: H3_H5_WINDERS	TITLE: DOC, SITE DWG, H3_H5, WINDERS PART NO: 45182427 SHEET NO: 1 TOTAL SHEETS: 1