

BATCH CURE OVEN GENERAL DESIGN:

- PRODUCT DESCRIPTION: CYLINDERS
- PRODUCT SIZE (MAX.): 200mm DIA X 3000mm LONG
- PRODUCT WEIGHT: 40KG PER CYLINDER W/SHAFT
- MATERIAL HANDLING: CUSTOMER SUPPLIED CARTS
120"L X 42"W X 72"H (3048x1067x1829mm)
- ESTIMATED CART WEIGHT: 600LBS (272KG) 2 PER CHAMBER
- SOLVENT LOAD - 0.75 (2.8L) PER BATCH PER CHAMBER
- ESTIMATED LOAD HEAT-UP TIME: 2.0 HOURS

CYCLONE OVENS SPECS:

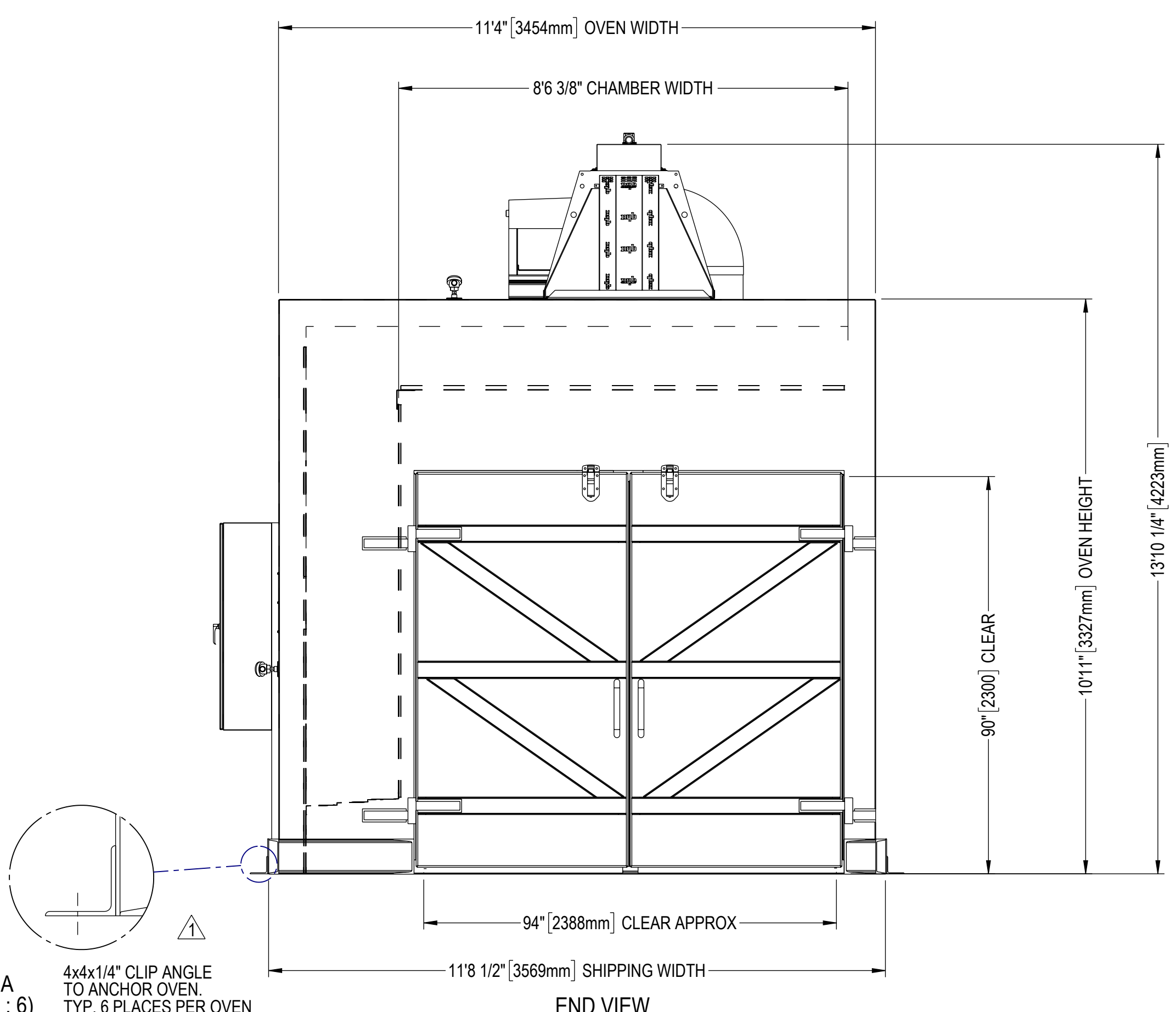
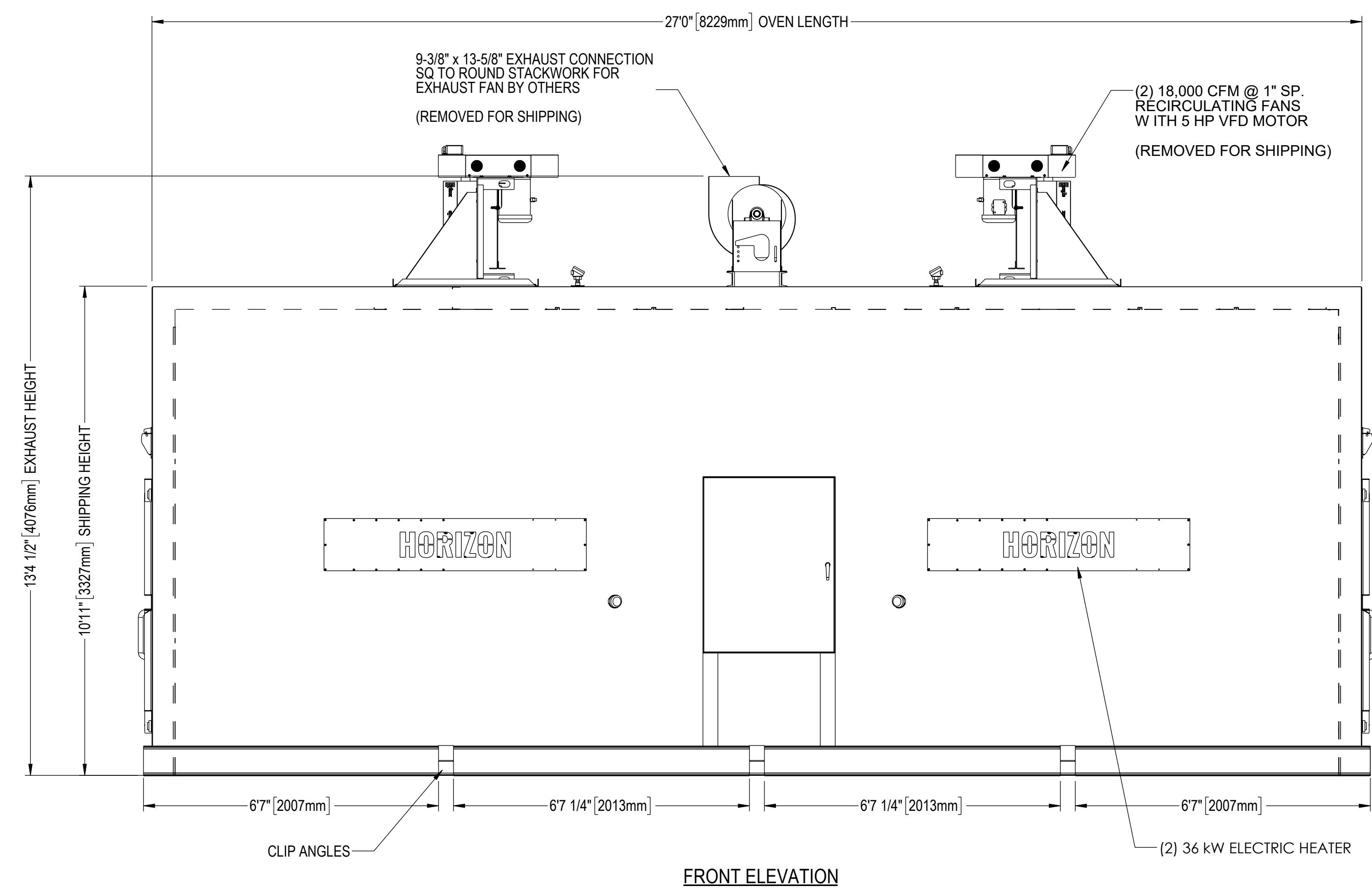
- OPERATING TEMP: 158°F (70°C)
- MAXIMUM TEMP: 221°F (105°C)
- CIRCULATING FANS: 18,000 CFM @ 1/2" SP (5 HP MOTOR WITH VFD) PER CHAMBER
- HEATING SYSTEM: 36kW HEATER PER CHAMBER
- RETURN PLENUM: 18 GA. AL2D STEEL
- EXHAUST FAN: 400 CFM PER CHAMBER (800CFM TOTAL) @ 1" SP. (1 HP MOTOR)
- F.M. INSURANCE - NFPA 86:2019, NFPA 79

UTILITY CONNECTIONS:

- ELECTRICAL: 480V/3PH/60Hz - 200 AMP (ELECTRICAL DROP BY OTHERS)
- UTILITY CONNECTIONS WITHIN +/- 3FT
- EXHAUST STACK 9" (230mm) MINIMUM DIAMETER

OVEN PAINT:

- MILD STEEL EXTERIOR AND STRUCTURAL SUPPORTS: HORIZON GREEN MACHINERY ENAMEL
- GUARDING (AS REQUIRED): SAFETY YELLOW
- FIELD PAINT/TOUCH UP BY OTHERS



DETAIL A
 SCALE: (1 : 6)
 4x4x1/4" CLIP ANGLE TO ANCHOR OVEN. TYP. 6 PLACES PER OVEN

CUSTOMER APPROVAL OF DRAWINGS

SIGNED DRAWING(S) IS A STATEMENT THAT THE DIMENSIONS, DESIGN AND APPLICATION HAVE BEEN REVIEWED AND APPROVED FOR FABRICATION.

APPROVED AS SUBMITTED
 APPROVED AS NOTED

NOTE: PLEASE SIGN AND APPROVE WITHIN 1 WEEK TO AVOID DELAYS IN SHIPMENTS.

AUTHORIZED SIGNATURE _____
 DATE _____

2 OVENS REQUIRED CYCLONE™ PROCESS TECHNOLOGY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
AS, D9	1	ADDED CLIP ANGLES AND NOTED ETHERNET LOCATION	2/17/2023	JJM

<p>NOTE: THE DESIGN SHOWN ON THIS DRAWING IS THE EXCLUSIVE PROPERTY OF HORIZON PERFORMANCE TECHNOLOGIES LLC. DISCLOSURE OF THIS INFORMATION WITHOUT THE EXPRESS, WRITTEN CONSENT OF HORIZON IS STRICTLY PROHIBITED.</p> <p>UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IMPERIAL.</p> <p>TOLERANCES</p> <table border="1"> <tr> <td>X.X</td> <td>X.XX</td> <td>X.XXX</td> <td>XX</td> <td>∠</td> </tr> <tr> <td>±0.030</td> <td>±0.010</td> <td>±0.005</td> <td>±1/16"</td> <td>±1/2°</td> </tr> </table> <p>SIZE D</p>					X.X	X.XX	X.XXX	XX	∠	±0.030	±0.010	±0.005	±1/16"	±1/2°	<p>APPROVALS</p> <table border="1"> <tr> <td>DESIGNED</td> <td>JJM</td> <td>DATE</td> <td>2/10/23</td> </tr> <tr> <td>DRAWN</td> <td>JJM</td> <td>DATE</td> <td>2/10/23</td> </tr> <tr> <td>CHECKED</td> <td>-</td> <td>DATE</td> <td>-</td> </tr> </table>	DESIGNED	JJM	DATE	2/10/23	DRAWN	JJM	DATE	2/10/23	CHECKED	-	DATE	-	<p>DESCRIPTION</p> <p>CYCLONE BATCH CURE OVEN</p> <p>DRAWING</p> <p>16155-1000</p>	<p>REVISION</p> <p>1</p>	<p>SCALE</p> <p>1:24</p>	<p>SHEET</p> <p>1 of 1</p>
X.X	X.XX	X.XXX	XX	∠																											
±0.030	±0.010	±0.005	±1/16"	±1/2°																											
DESIGNED	JJM	DATE	2/10/23																												
DRAWN	JJM	DATE	2/10/23																												
CHECKED	-	DATE	-																												



ONE OR MORE PATENTS MAY PROTECT COMPONENTS AND ASSEMBLIES SHOWN HEREIN.