

NOTE 1: ENVIRONMENTAL
- OPERATING TEMPERATURE 10°C TO 35°C (50°F TO 95°F)
- HUMIDITY RATING 5% TO 95%, NON-CONDENSING

NOTE 2: RESOURCE REQUIREMENT
- ALL PIPING AND CONNECTIONS SHOULD MEET STATE AND LOCAL GUIDELINES
- ALL CUSTOMER PIPING MUST BE CLEANED INTERNALLY PRIOR TO CONNECTING TO FURNACE

NOTE 3: FLOW RATE/PRESSURE

GAS		REQUIRED SUPPLY PRESSURE	MAXIMUM FLOW RATE	BTU/hr
NITROGEN		3 barg (43.5 PSIG MAX)	65 L/MIN (138 CUFT/HR) APPROX.	
AFTER BURNER GAS	NATURAL GAS	17 mbarg (0.25 PSIG MAX) (7" WC)	34 L/MIN (72 CUFT/HR) APPROX.	75,000
	PROPANE GAS	27 mbarg (0.40 PSIG MAX) (11" WC)	15 L/MIN (32 CUFT/HR) APPROX.	75,000

* FOR PROPANE USE:
MAIN JET #14N-145
PILOT JET #14N-141
SEE MANUAL FOR INSTRUCTIONS.

NOTE 4: CONNECTIONS TO BE PROVIDED BY CUSTOMER (NPT THREADS)
NITROGEN PROCESS: 1/4" NPT MALE CONNECTOR
NATURAL GAS / PROPANE: 1/2" NPT MALE CONNECTOR

NOTE 5: NITRIC ACID
- RATIO OF NITRIC ACID VAPOR TO NITROGEN MUST BE LESS THAN 4%
- MAXIMUM FLOW RATE 5mL/MIN WITH MAXIMUM NITROGEN SETTING AT 65L/MIN (138 CUFT/HR) TO STAY AT 4% NITRIC ACID VAPOR VS NITROGEN.

NOTE 6: ELECTRICAL

CD 3045			
50 Hz	3 PHASE	380/400V	20A
60 Hz	3 PHASE	460/480V	20A

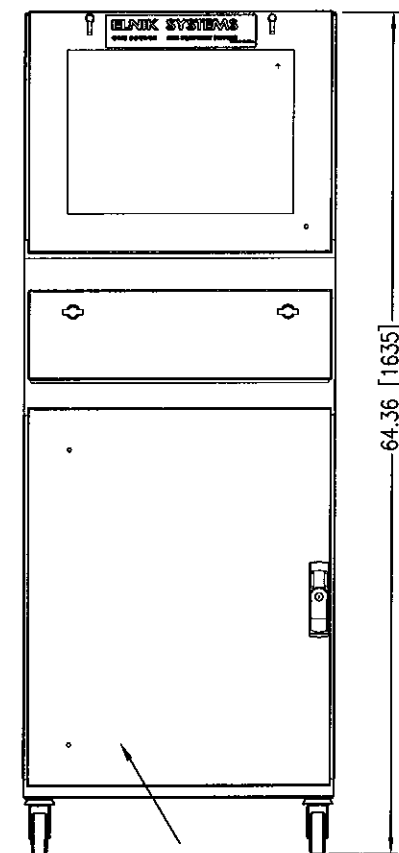
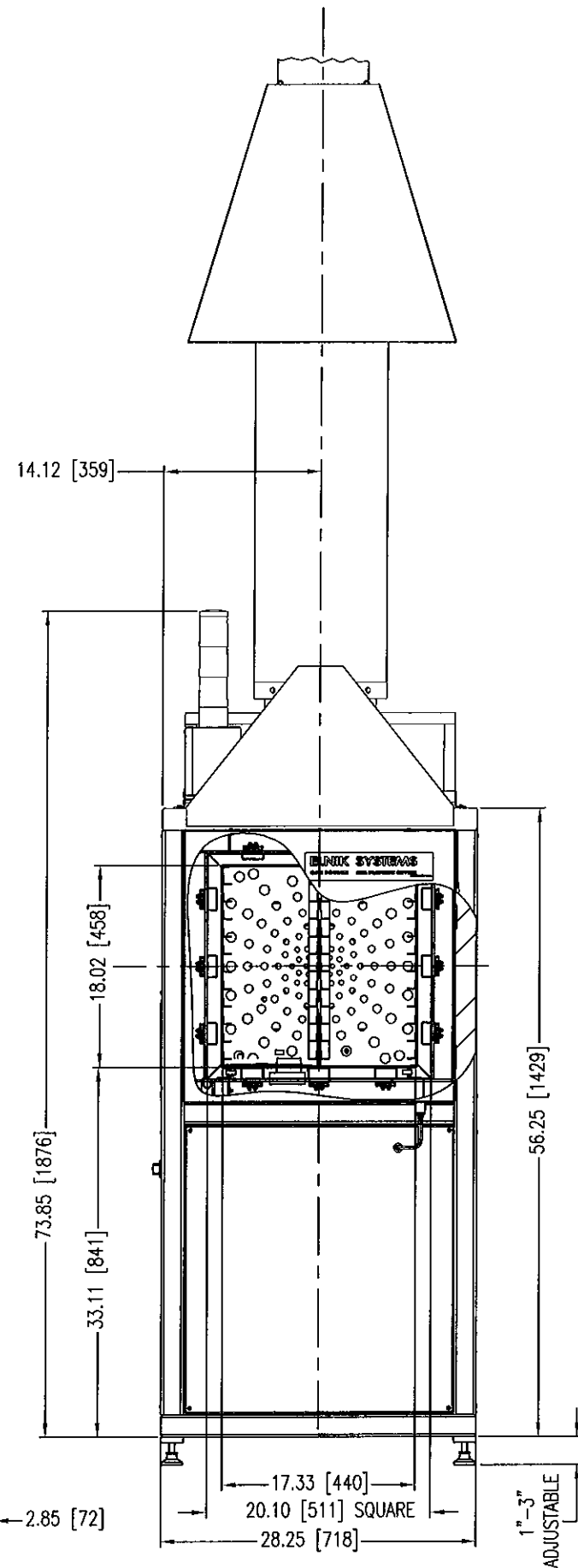
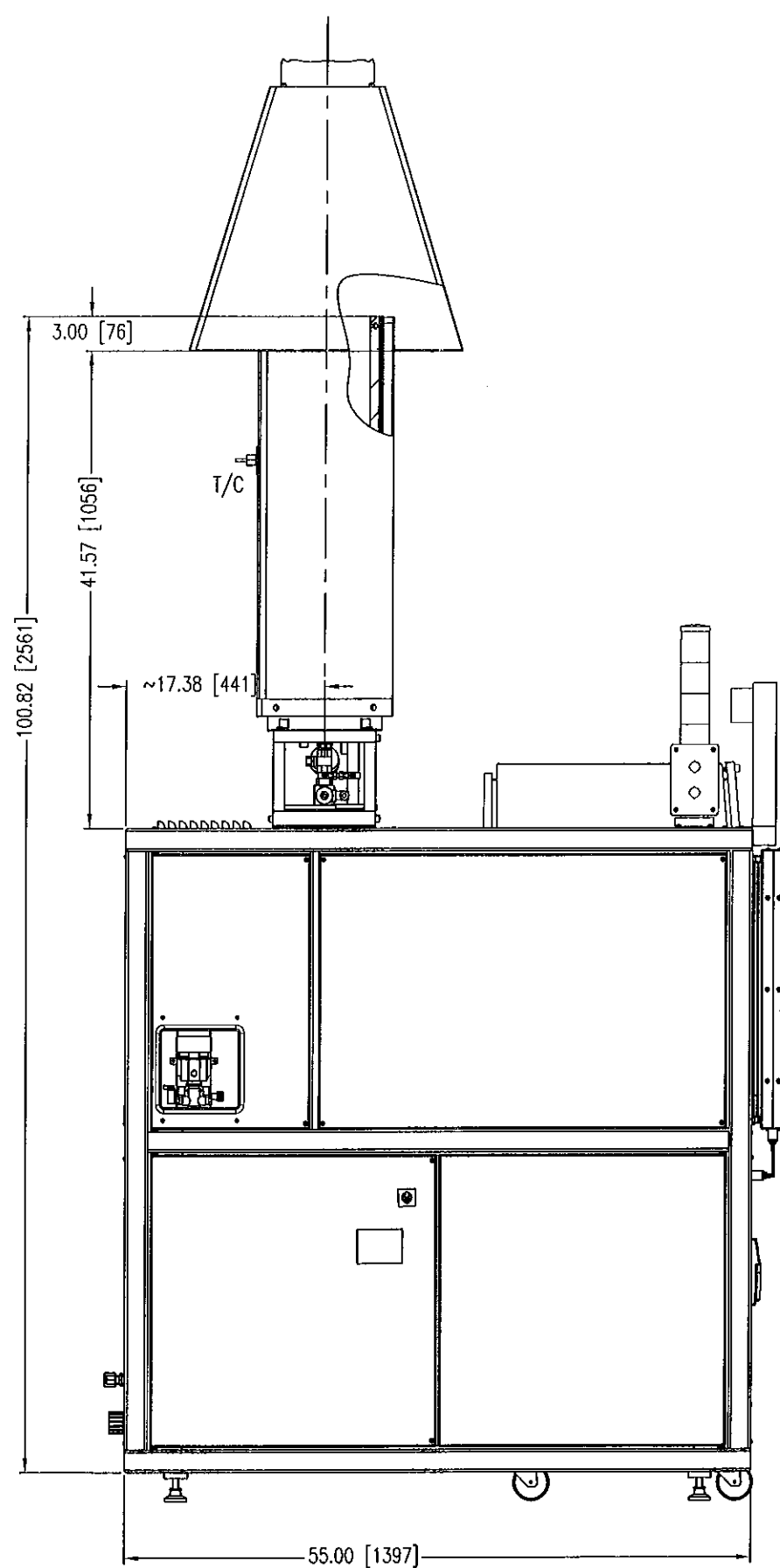
NOTE 7:
PART NUMBERS FOR NPT x BSPT ADAPTERS
(THESE PARTS SUPPLIED BUT NOT INSTALLED)
(1) 15A-301 1/4"
(1) 15A-303 1/2"

NOTE 8:
SUPPLIED WITH OVEN:
- CABLE: 8AWG (3 CONDUCTORS + GND), ~15' (4.5M) LG
- TEFLON TUBING: 1/8" OD, ~6' (2M) LG

SUPPLIED BY CUSTOMER:
- ACID CONTAINER


SEE NOTE 6, 8

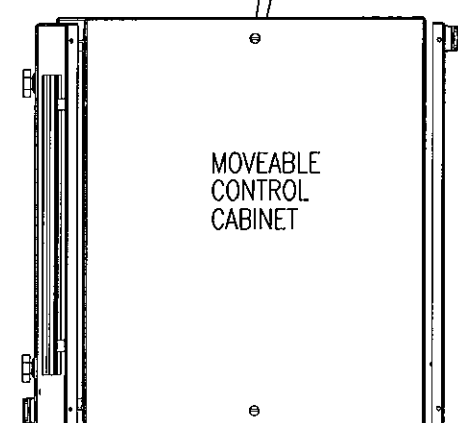
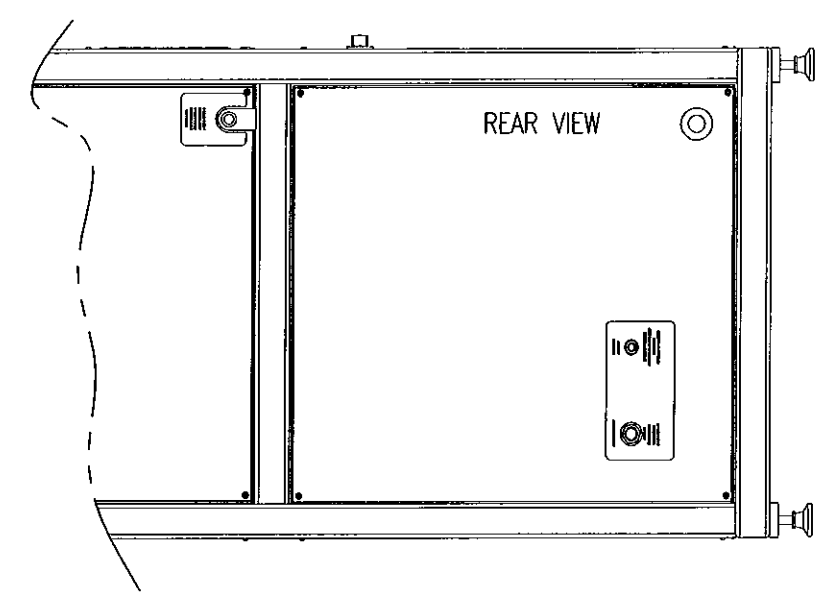
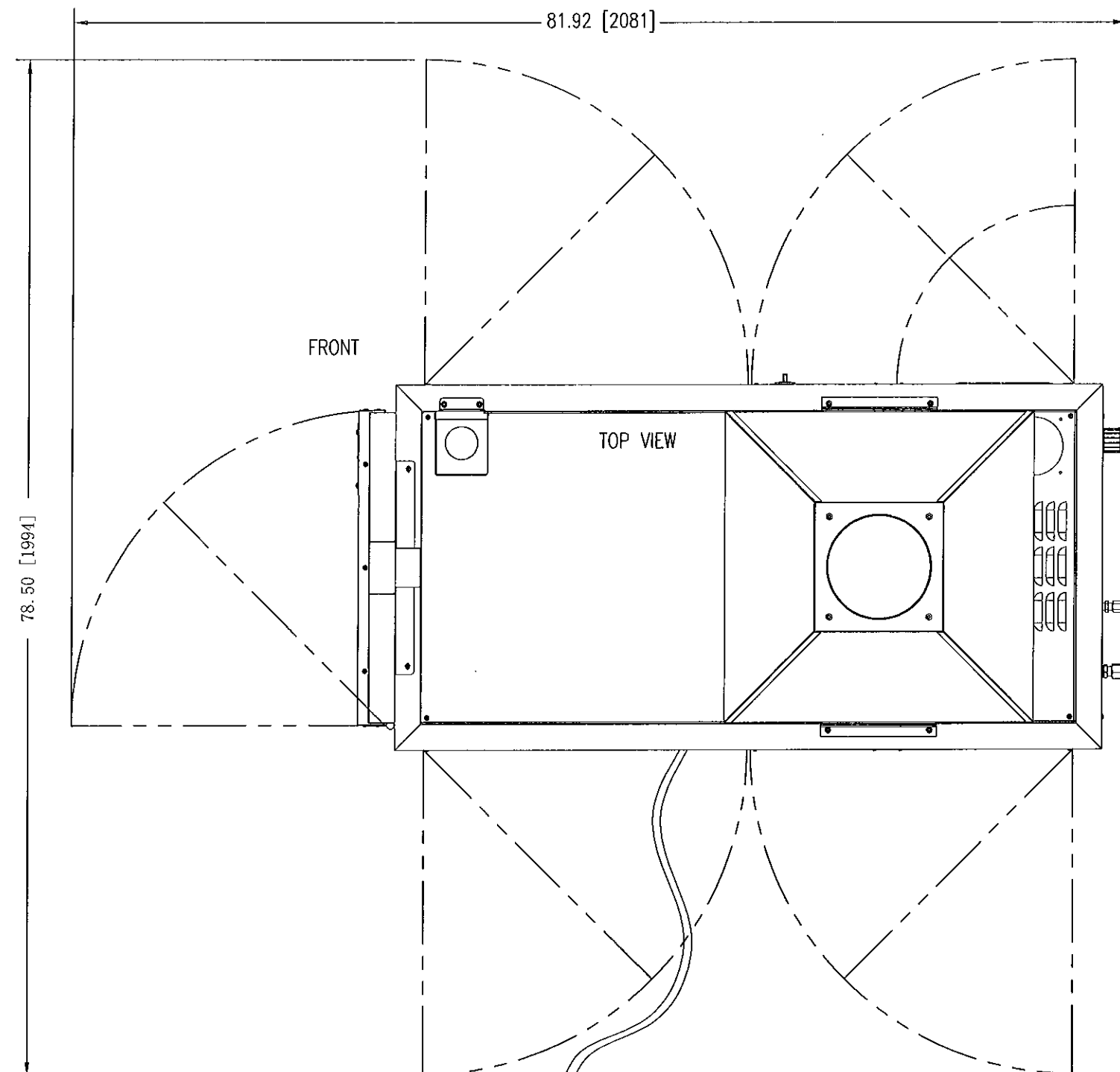
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES (IN) TOLERANCES: X.X ±0.025 X.XX ±0.010 X.XXX ±0.005 X/X ±1/16 ANGLES ±1DEG SURFACE FINISH: LASER and MACHINED: 125µin MAX STRUCTURAL SHAPES: MILL FINISH SHEETMETAL: 2B DEBURR AND BREAK ALL SHARP EDGES 0.03 MAX DO NOT SCALE DRAWING USE DIMENSIONS ONLY SCALE: NTS				NO. REVISION BY DATE:	
UNAUTHORIZED USE, MANUFACTURE OR REPRODUCTION IN WHOLE OR IN PART IS PROHIBITED. DRAWING DESIGNS AND OTHER DISCLOSURES PROPERTY OF ELNIK SYSTEMS.				CUSTOMER: SERIAL No.	
107 COMMERCE ROAD, CEDAR GROVE, NJ 07009 +1-973-239-6066 WWW.ELNIK.COM				ELNIK SYSTEMS Innovation. Experience. Excellence.	
CATALYTIC DEBINDING OVEN GENERAL LAYOUT AND HOOK-UP DIAGRAM				DRAWN BY: GJS DATE: 9/15/05 SH: 1 OF 3 DWG. NO. CD-3045-5H	
CHECKED BY: DATE:					




ENCLOSURE:
60.08"Hx23.94"Wx21.34"D
1400mmHx600mmWx600mmD

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TOLERANCES:
X.X ±0.025
X.XX ±0.010
X.XXX ±0.005
X/X ±1/16
ANGLES ±1DEG
SURFACE FINISH:
LASER and MACHINED: 125µin MAX
STRUCTURAL SHAPES: MILL FINISH
SHEETMETAL: 2B
DEBURR AND BREAK
ALL SHARP EDGES 0.03 MAX
DO NOT SCALE DRAWING
USE DIMENSIONS ONLY
SCALE: NTS

NO.	REVISION	BY	DATE:
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 ELNIK SYSTEMS <i>Innovation. Experience. Excellence.</i>		107 COMMERCE ROAD, CEDAR GROVE, NJ 07009 +1-973-239-6066 WWW.ELNIK.COM	
CATALYTIC DEBINDING OVEN GENERAL LAYOUT AND HOOK-UP DIAGRAM			
DRAWN BY: GJS		SH: 2	DWG. NO.
DATE: 9/15/05		OF 3	CD-3045-5H
CHECKED BY: _____		DATE: _____	



NO.		REVISION		BY	DATE:
UNLESS OTHERWISE SPECIFIED: UNAUTHORIZED USE, MANUFACTURE OR REPRODUCTION IN WHOLE OR IN PART IS PROHIBITED. DRAWING DESIGNS AND OTHER DISCLOSURES PROPERTY OF ELNIK SYSTEMS.					
CUSTOMER:				SERIAL No.	
<div>  <div> 107 COMMERCE ROAD, CEDAR GROVE, NJ 07009 +1-973-239-6066 WWW.ELNIK.COM </div> </div>					
CATALYTIC DEBINDING OVEN OUTLINE					
DRAWN BY: GJS		DATE: 9/15/05		SH: 3	DWG. NO.
CHECKED BY:		DATE:		OF 3	CD-3045-5H

DO NOT SCALE DRAWING
USE DIMENSIONS ONLY

SCALE: NTS

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES (IN)

TOLERANCES:
X.X ±0.025
X.XX ±0.010
X.XXX ±0.005
X/X ±1/16
ANGLES ±10 DEG

SURFACE FINISH:
LASER and MACHINED: 125µin MAX
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SHEETMETAL: 2B

DEBURR AND BREAK
ALL SHARP EDGES 0.03 MAX