

EXHAUST HOOD REQUIRED,
FOR DETAILS SEE 15E-1001.

APPROXIMATE EXHAUST CAPACITY
REQUIRED IS 250 CFM.

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"

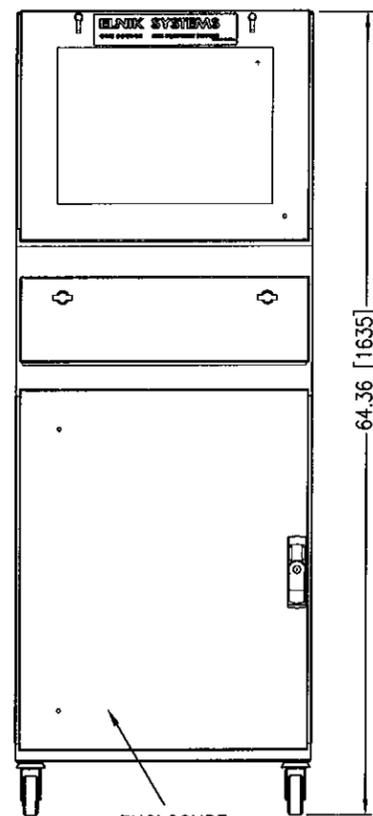
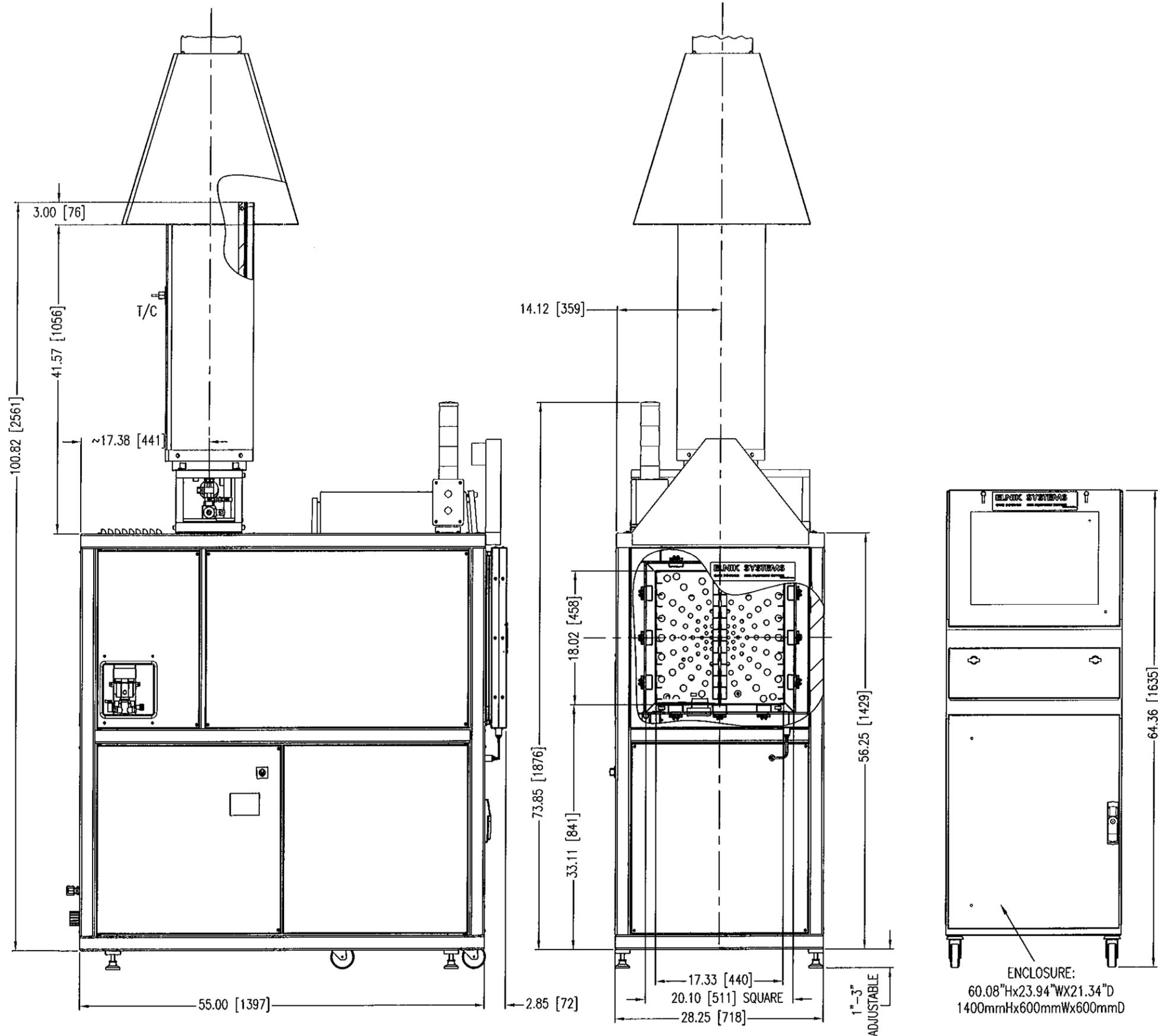
NOTE 8:
SUPPLIED WITH OVEN:
- CABLE: 8AWG (3 CONDUCTORS + GND), ~15' (4.5M) LG
- TEFLON TUBING: 1/8" OD, ~6' (2M) LG

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

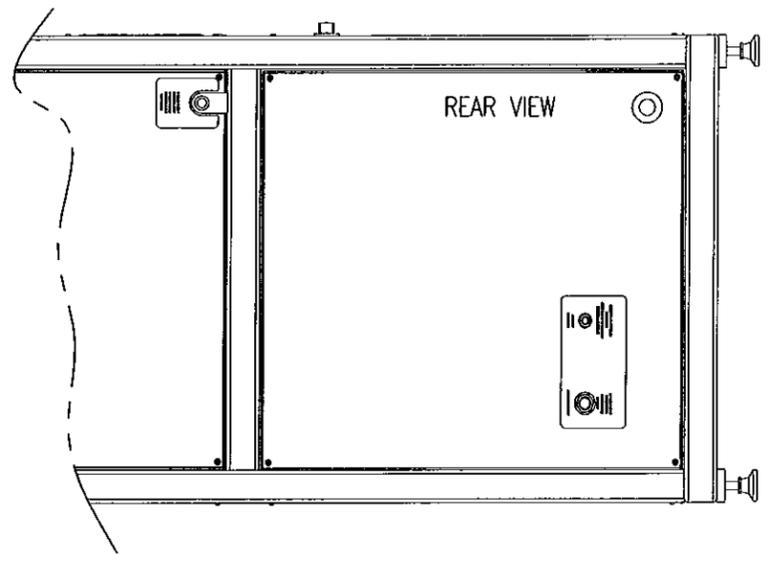
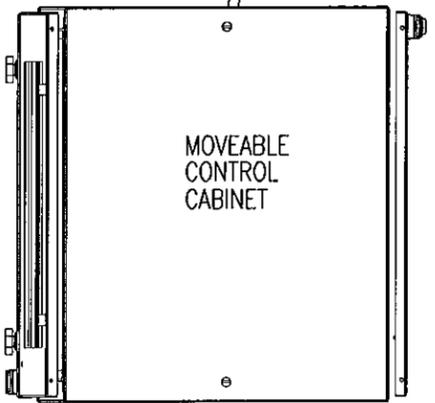
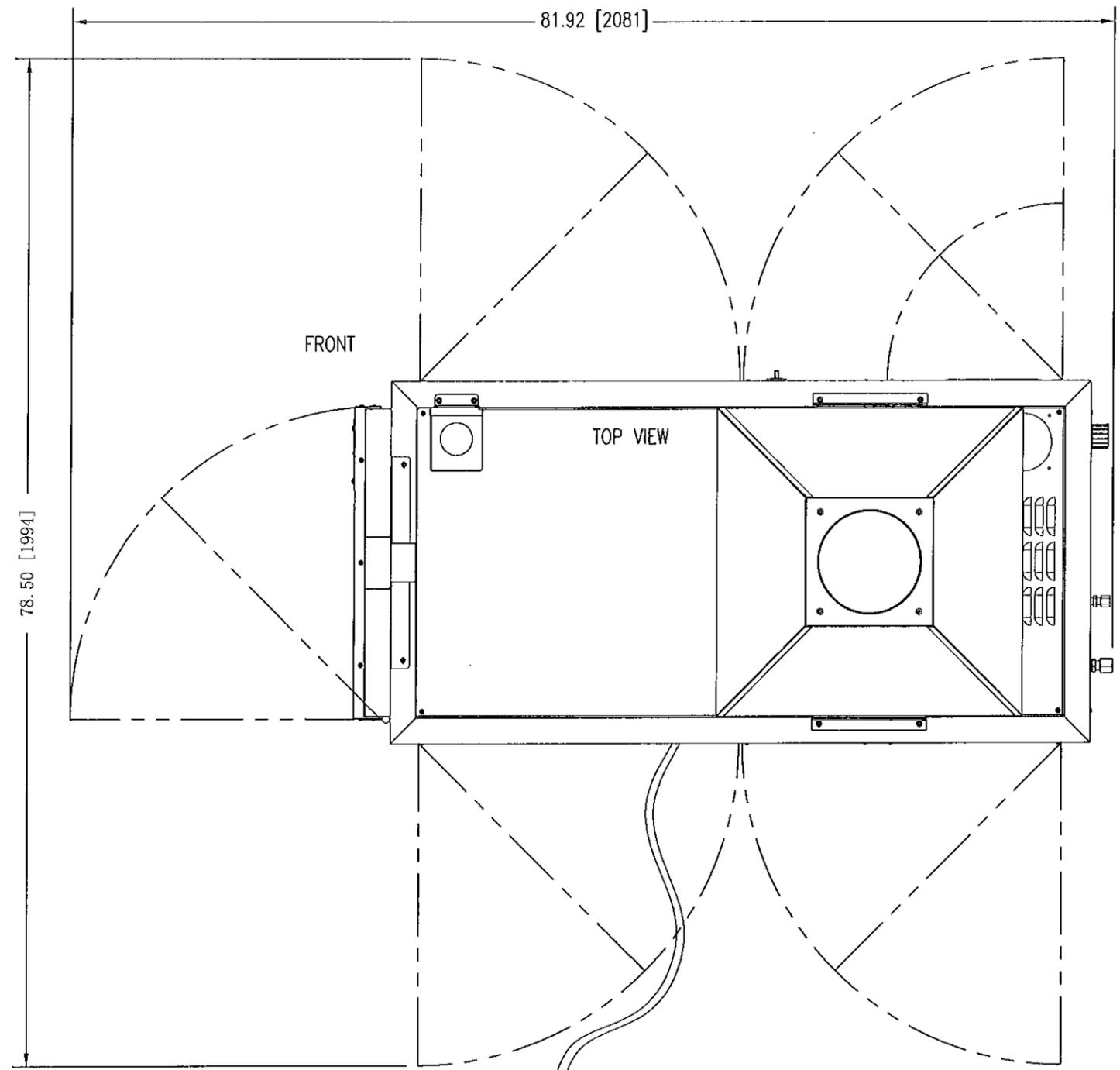
NO.	REVISION	BY	DATE:
UNAUTHORIZED USE, MANUFACTURE OR REPRODUCTION IN WHOLE OR IN PART IS PROHIBITED. DRAWING DESIGNS AND OTHER DISCLOSURES PROPERTY OF ELNIK SYSTEMS.			
CUSTOMER:		SERIAL No.	
 107 COMMERCE ROAD, CEDAR GROVE, NJ 07009 +1-973-239-6066 WWW.ELNIK.COM			
CATALYTIC DEBINDING OVEN GENERAL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



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

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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
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		CATALYTIC DEBINDING OVEN GENERAL LAYOUT AND HOOK-UP DIAGRAM	
DRAWN BY: GJS		DATE: 9/15/05	SH: 2
CHECKED BY: _____		DATE: _____	OF 3
			DWG. NO. CD-3045-5H



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 ±10DEG
 SURFACE FINISH:
 LASER and MACHINED: 125µin MAX
 STRUCTURAL SHAPES: MILL FINISH
 SHEETMETAL: 2B
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		107 COMMERCE ROAD, CEDAR GROVE, NJ 07009 +1-973-239-6066 WWW.ELNIK.COM	
		CATALYTIC DEBINDING OVEN OUTLINE	
DRAWN BY: GJS DATE: 9/15/05		SH: 3	DWG. NO.
CHECKED BY: _____ DATE: _____		OF 3	CD-3045-5H