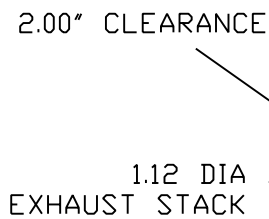


DRAWINGS & SCHEMATICS

Job/Master	Drawing Nbr.	Title
STD	803-100268-05	FURNACE ARRANGEMENT, LA-306
STD	803-091734-02	CHAMBER ARRANGEMENT
25-003	801-090342-01	PROCESS GAS PLUMBING, SINGLE GAS
25-003	802-101779-08	SAFETY PANEL, 208V 3PH
25-003	802-101784-06	CONTROL ENCLOSURE ANALOG
25-003	802-101785-08	ZONE CONTROL, LA-306 ANALOG
25-003	802-101781-05	FRAME WIRING ANALOG
STD	802-101814-306	ELEMENT WIRING

REV	DESCRIPTION	DATE	APPROVED
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1. FOR COMPLETE INSTALLATION INSTRUCTIONS SEE FURNACE OPERATING MANUAL.
2. OPTIONAL EQUIPMENT.
3. 3/4 NPT MINIMUM SUPPLY LINE REDUCED TO CONNECT TO 1/4 FEMALE NPT AT FURNACE.
4. CONNECT TO GAS1 INLET, AIR (CDA) OR NITROGEN SUPPLY.
5. DUAL GAS OPTION. CONNECT TO GAS2 INLET, FORMING GAS OR OTHER SPECIALTY GAS FOR HEATING ZONES.
6. BY OTHERS.
7. RECOMMENDED PROCESS GAS EXHAUST 4.0 DIA INSULATED DUCT WITH 8.0 DIA COLLECTOR HOOD FOR MAX 350 SCFH (150 STD L/MIN) @ 60C.
8. OPTIONAL CABINET VENTILATION, 4.0 DIA DUCT WITH 10.0 SQUARE HOOD, FOR 550 ACFM (930 M3/H) @30C.
9. AFTER LEVELING FURNACE IN POSITION: RECOMMEND FURNACE BE SECURED TO FLOOR USING ONE OR MORE BRACKETS, EACH 2" X 2" X 16" LONG, DRILL TO SUIT MOUNTING TO FURNACE WITH 1/4-20 MACHINE SCREW FASTENERS AND TO FLOOR WITH 1/4" DIA CONCRETE FASTENERS OR 1/4" LAG SCREWS (DEPENDING ON FLOOR MATERIAL).
10. STANDARD TEMPERATURE; PRESSURE: 70F (21.1C); 14.7 PSIA (101.3 kPa).

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:

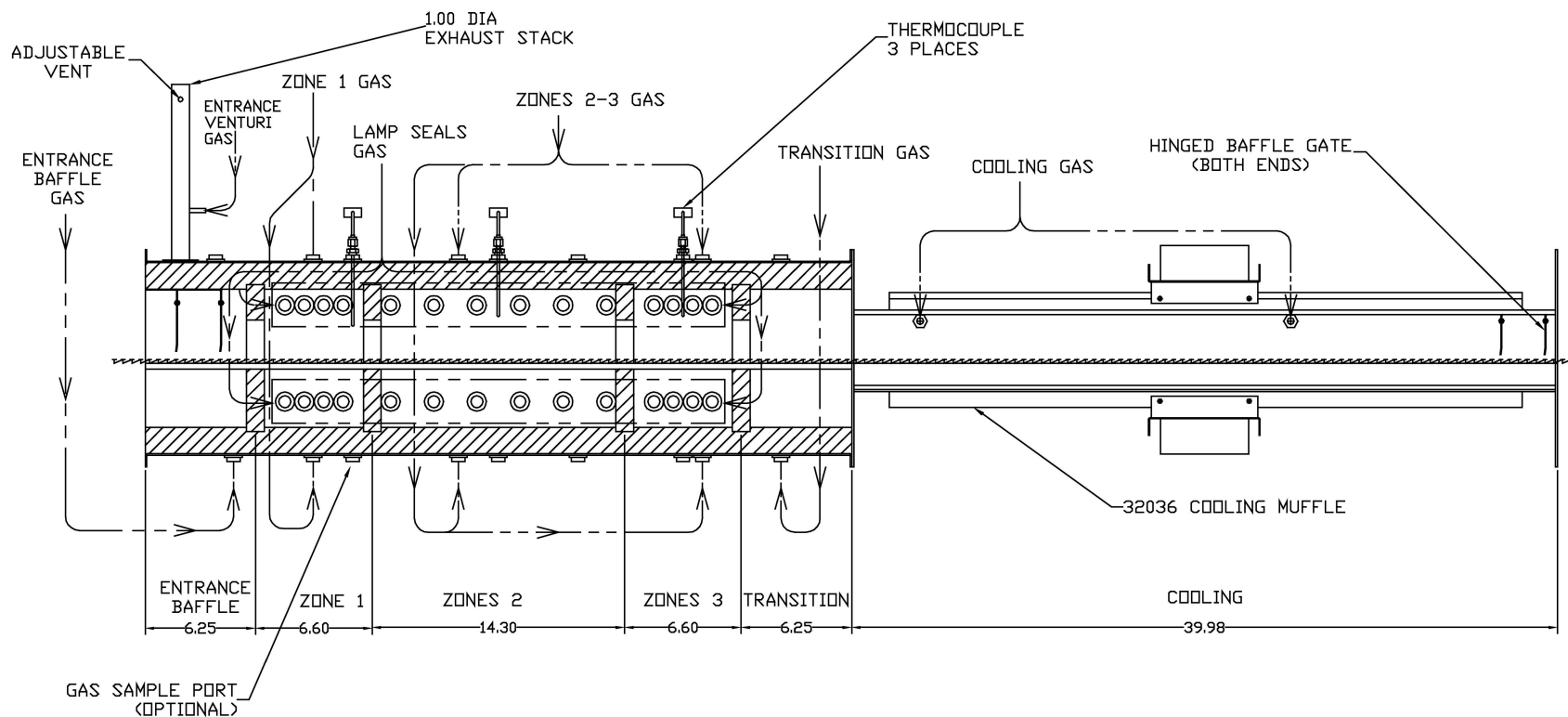
DECIMALS	ANGLES	FRACTIONS
.XX ± .03	XX±5°	X/X±1/32
.XXX ± .010	XX.X±2°	

APPROVALS	DATE
DRAWN C ROODE	12/16/13
CHECKED J CLARK	12/16/13
ISSUED J CLARK	12/16/13

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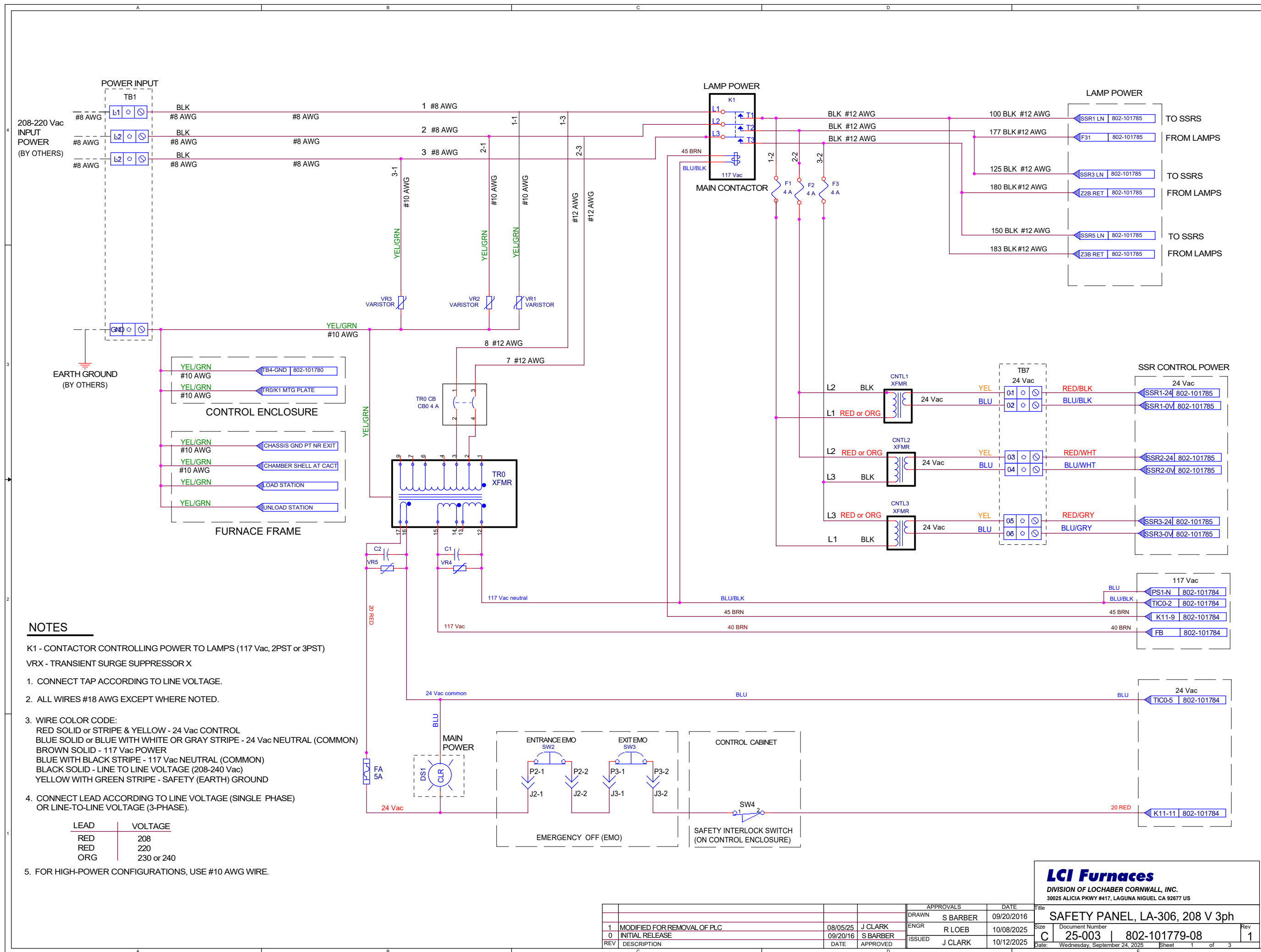
FURNACE ARRANGEMENT
RTC LA-306 W/ EXTENDED EXIT

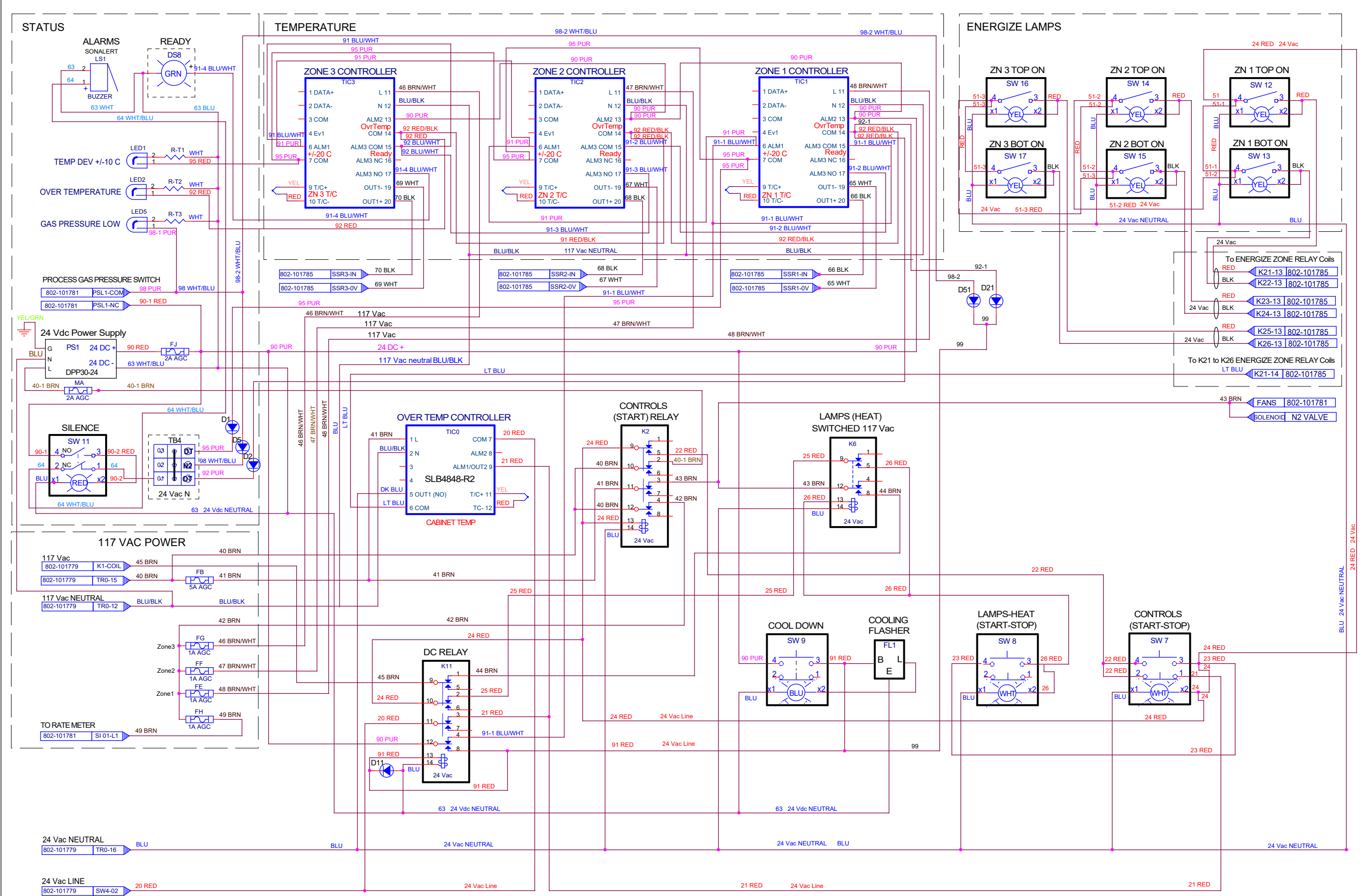
SIZE	JOB NO. STD	DWG. NO. 803-100268-05	REV. 1
SCALE NONE			SHEET 1 OF 1



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	MATERIAL FINISH DO NOT SCALE DRAWING	APPROVALS	DATE	TITLE CHAMBER ARRANGEMENT LA-306		
		DRAWN		SIZE MODEL NO. DWG. NO. REV.		
		CHECKED		803-091734-02 -		
		ISSUED		SCALE NONE RTC PROPRIETARY DESIGN SHEET 1 OF 1		

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	MATERIAL	APPROVALS	DATE		TITLE PROCESS GAS PLUMBING 3 - ZONE SINGLE GAS
	FINISH	DRAWN C. RIDDIE	2/25/92		
		CHECKED			
		ISSUED			
DO NOT SCALE DRAWING			SIZE MODEL NO. DWG. NO. 801-090342-01 REV. _____ SCALE NONE _____ SHEET 1 OF _____		

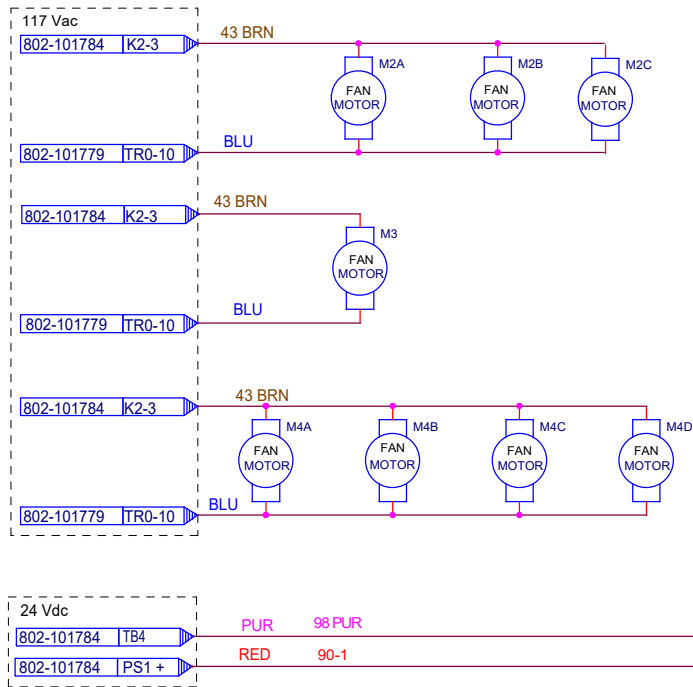




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30025 ALICIA PKWY #417, LAGUNA NIGUEL CA 92677 US

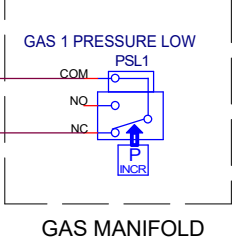
4				APPROVALS		DATE		Title CONTROL ENCLOSURE ANALOG				
3				ENGRG		R LOEB					07/24/2025	
2				CHECKED		R LOEB					10/08/2025	
1				ISSUED		J CLARK					10/13/2025	
REV	DESCRIPTION			DATE	APPROVED	Date: Sunday, October 12, 2025		Sheet 1 of 1				
						Size	Document Number		Rev			
						C	25-003 802-101784-06		0			



ELECTRICAL PANEL FANS
(NOTE 1)

CABINET EXHAUST FAN
(NOTE 1)

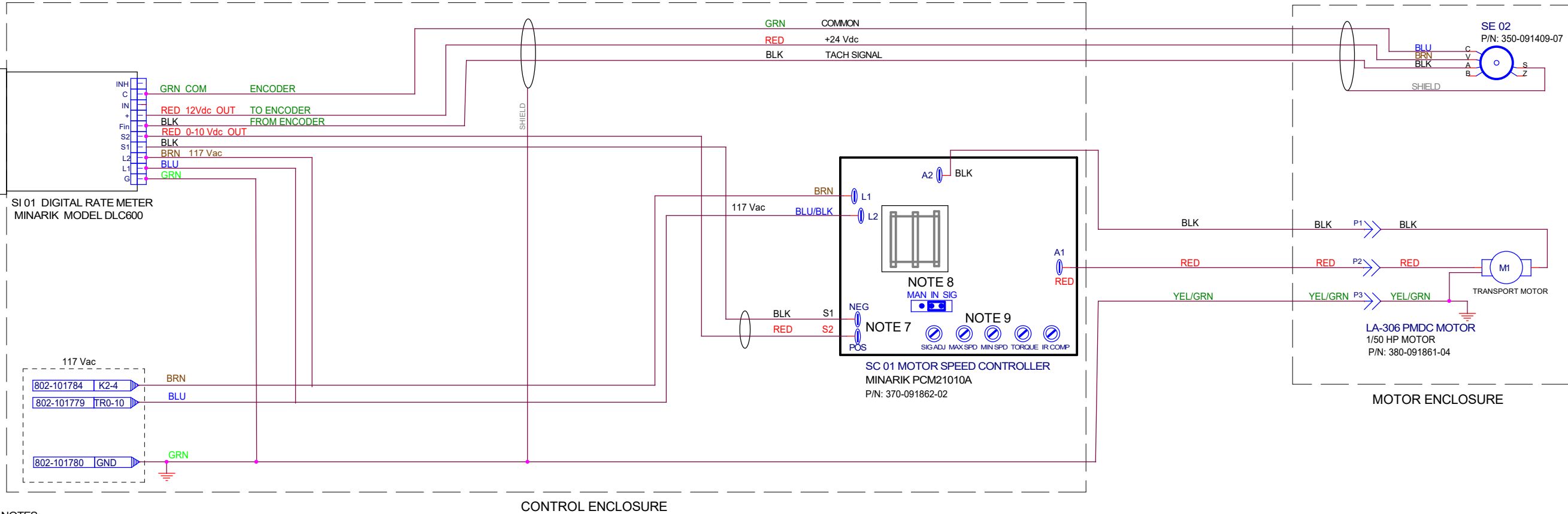
CACT COOLING FANS
(NOTE 1)



TO ADJUST GAS PRESSURE SWITCH SETPOINT:
=====

CW = RAISES SETPOINT (ALARMS AT HIGHER PRESSURE, REQUIRES MORE PRESSURE TO RELEASE ALARM)

CCW = LOWERS SETPOINT (ALARMS AT LOWER PRESSURE, REQUIRES LOWER PRESSURE TO RELEASE ALARM)



- NOTES:
1. NUMBER OF FANS MAY VARY.
 2. SUPPLIED WITH OPTIONAL EQUIPMENT.
 3. REVERSE ARM+ AND ARM- FOR PROPER MOTOR ROTATION.
 4. CHANGE FUSE FD: 1A FOR 1/50 HP MOTOR OR 3A FOR 1/8 HP MOTOR.
- | USE | WITH MOTOR |
|-------------|--|
| FUSE FD: 1A | BODINE NSH-11D5 |
| FUSE FD: 3A | BISON MODEL 011-336-3062 1/8 HP 13 RPM |

5. ALL WIRES 18 AWG UNLESS OTHERWISE NOTED.
6. ALL MULTI-CONDUCTOR CABLE 22 AWG WIRES.
7. WIRE R1 FOR CW INCREASE IN MOTOR SPEED.
8. ENCODER POWER SUPPLY MAY BE +5 OR +12 Vdc.
9. OPTIONAL TACH OUTPUT CONNECTION.
10. ENCODER CONNECTION EXTENSION, IF REQUIRED.

8	REVISED FOR REBUILD 25-003	08/07/25	J CLARK
8	REVISED FOR REBUILD 21-007	10/30/21	J CLARK
7	ADDED NOTE 10	07/11/16	S BARBER
6	UPDATED SI 01 CONNECTIONS TO REMOTE SOURCE TB9	06/22/16	S BARBER
5	ADDED NOTES 8 & 9	05/06/16	S BARBER
REV	DESCRIPTION	DATE	APPROVED

4	ADDED TABLE TO NOTE 3	07/16/15	S BARBER
3	PRESSURE SWITCHES NOW IN PARALLEL	06/26/15	S BARBER
2	CHANGED MOTOR SPEED CONTROLLER	06/18/15	S BARBER
1	OFF-PAGE CONNECTIONS TO K2, K4C CHANGED	06/17/15	S BARBER
REV	DESCRIPTION	DATE	APPROVED

MODEL	REFURB RTC UNIT
APPROVALS	DATE
DRAWN S BARBER	06/02/2015
CHECKED R LOEB	10/08/2025
ISSUED J CLARK	10/13/2025

LCI Furnaces
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675 NORTH ECKHOFF STREET, BLDG D, ORANGE, CA 92668 USA

FRAME WIRING - ANALOG

Size C | Document Number 25-003 | 802-101781-05 | Rev 8

Date: Tuesday, September 23, 2025 | Sheet 1 of 1

