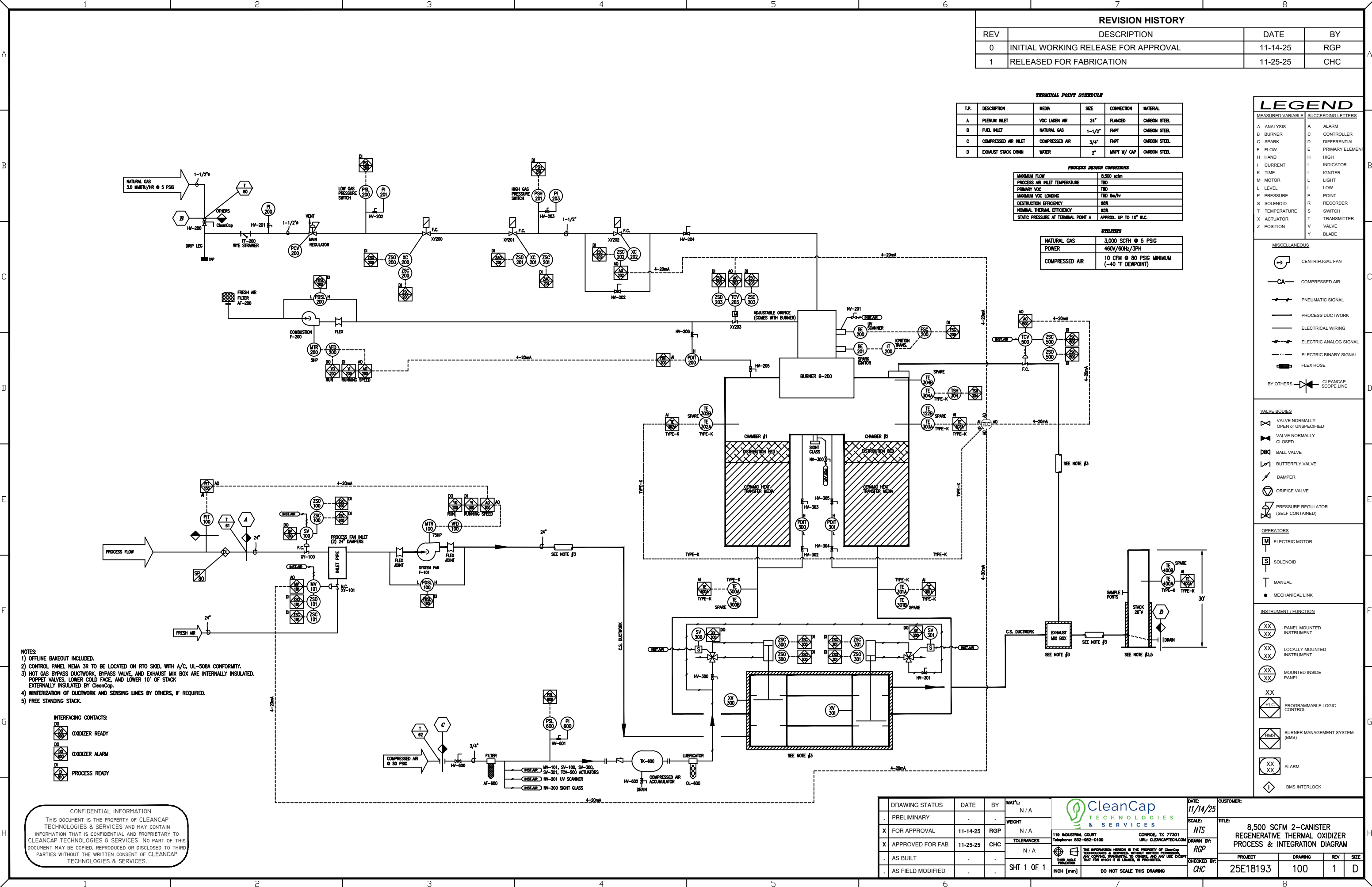




REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
0	INITIAL WORKING RELEASE FOR APPROVAL	11-14-25	RGP
1	RELEASED FOR FABRICATION	11-25-25	CHC

TERMINAL POINT SCHEDULE				
T.P.	DESCRIPTION	MEDIA	SIZE	CONNECTION MATERIAL
A	PLENUM INLET	VOC LADEN AIR	24"	FLANGED CARBON STEEL
B	FUEL INLET	NATURAL GAS	1-1/2"	FNPT CARBON STEEL
C	COMPRESSED AIR INLET	COMPRESSED AIR	3/4"	FNPT CARBON STEEL
D	EXHAUST STACK DRAIN	WATER	2"	INPT W/ CAP CARBON STEEL

PROCESS DESIGN CONDITIONS	
MAXIMUM FLOW	8,500 scfm
PROCESS AIR INLET TEMPERATURE	TBD
PRIMARY VOC	TBD
MAXIMUM VOC LOADING	TBD lbs/hr
DESTRUCTION EFFICIENCY	98%
NOMINAL THERMAL EFFICIENCY	95%
STATIC PRESSURE AT TERMINAL POINT A	APPROX. UP TO 10" W.C.

UTILITIES	
NATURAL GAS	3,000 SCFH @ 5 PSIG
POWER	480V/60Hz/3PH
COMPRESSED AIR	10 CFM @ 80 PSIG MINIMUM (-40 °F DEWPOINT)

LEGEND	
MEASURED VARIABLE	SUCCESSING LETTERS
A ANALYSIS	A ALARM
B BURNER	C CONTROLLER
C SPARK	D DIFFERENTIAL
F FLOW	E PRIMARY ELEMENT
H HAND	H HIGH
I CURRENT	I INDICATOR
K TIME	I IGNITER
M MOTOR	L LIGHT
L LEVEL	L LOW
P PRESSURE	P POINT
S SOLENOID	R RECORDER
T TEMPERATURE	S SWITCH
X ACTUATOR	T TRANSMITTER
Z POSITION	V VALVE
	Y BLADE

MISCELLANEOUS	
	CENTRIFUGAL FAN
	COMPRESSED AIR
	PNEUMATIC SIGNAL
	PROCESS DUCTWORK
	ELECTRICAL WIRING
	ELECTRIC ANALOG SIGNAL
	ELECTRIC BINARY SIGNAL
	FLEX HOSE
	CLEANCAP SCOPE LINE

VALVE BODIES	
	VALVE NORMALLY OPEN or UNSPECIFIED
	VALVE NORMALLY CLOSED
	BALL VALVE
	BUTTERFLY VALVE
	DAMPER
	ORIFICE VALVE
	PRESSURE REGULATOR (SELF CONTAINED)

OPERATORS	
	ELECTRIC MOTOR
	SOLENOID
	MANUAL
	MECHANICAL LINK

INSTRUMENT / FUNCTION	
	PANEL MOUNTED INSTRUMENT
	LOCALLY MOUNTED INSTRUMENT
	MOUNTED INSIDE PANEL
	PROGRAMMABLE LOGIC CONTROL
	BURNER MANAGEMENT SYSTEM (BMS)
	ALARM
	BMS INTERLOCK

- NOTES:
- 1) OFFLINE BAKEOUT INCLUDED.
 - 2) CONTROL PANEL NEMA 3R TO BE LOCATED ON RTO SKID, WITH A/C, UL-508A CONFORMITY.
 - 3) HOT GAS BYPASS DUCTWORK, BYPASS VALVE, AND EXHAUST MIX BOX ARE INTERNALLY INSULATED. POPPET VALVES, LOWER COLD FACE, AND LOWER 10" OF STACK EXTERNALLY INSULATED BY CleanCap.
 - 4) WINTERIZATION OF DUCTWORK AND SENSING LINES BY OTHERS, IF REQUIRED.
 - 5) FREE STANDING STACK.

INTERFACING CONTACTS:	
	OXIDIZER READY
	OXIDIZER ALARM
	PROCESS READY

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DRAWING STATUS	DATE	BY	MAT'L:	DATE	CUSTOMER:
PRELIMINARY	.	.	N / A	11/14/25	NTS
X FOR APPROVAL	11-14-25	RGP	WEIGHT	SCALE:	8,500 SCFM 2-CANISTER
X APPROVED FOR FAB	11-25-25	CHC	N / A	DRAWN BY:	REGENERATIVE THERMAL OXIDIZER
AS BUILT	.	.	TOLERANCES	CHECKED BY:	PROCESS & INTEGRATION DIAGRAM
AS FIELD MODIFIED	.	.	SHT 1 OF 1	CHC	
INCH [mm]				DO NOT SCALE THIS DRAWING	

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PROJECT	DRAWING	REV	SIZE
25E18193	100	1	D