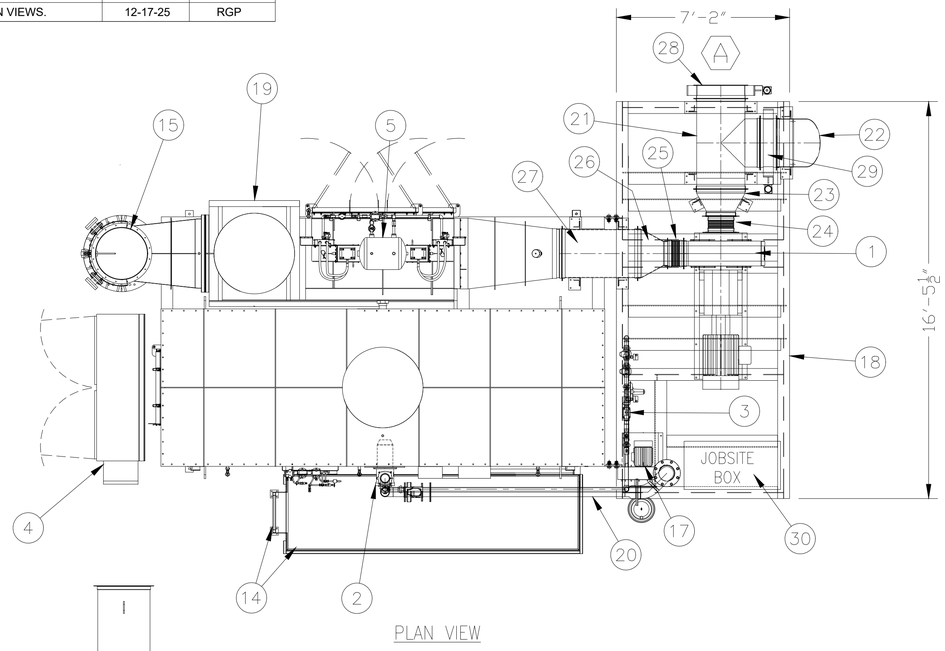
REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
0	INITIAL WORKING RELEASE FOR APPROVAL	11-03-25	RGP
1	UPDATED BOM AND BALLOONS; ENLARGED PLAN/ELEVATION VIEWS.	11-23-25	RGP
2	REV2 – ADDED CERTIFIED FAN/BLOWER; BOM 1 & 17, ADDED BOM 20, 21, 22 REVISED PLAN/ELEVATION VIEWS.	12-04-25	RGP
3	REV3 – UPDATED GAS TRAIN PIPE ROUTE & COMBUSTION AIRLINE PIPE ROUTE PLAN & ELEVATION VIEWS.	12-05-25	RGP
4	REV4 – UPDATED BOM PLAN & ELEVATION VIEWS.	12-17-25	RGP



ITEM NO	DESCRIPTION	DWG. NO	TAG NO	COMMENTS
1	PROCESS SYSTEM FAN A	500	F–102	CW, BHD
2	BURNER ECLIPSE THERMJET BURNERS	500	B–295	–
3	FUEL TRAIN ASSEMBLY	150	–	–
4	OXIDIZER CONTROL PANEL	500	–	NEMA 4 WITH AC
5	COMPRESSED AIR TRAIN W. ACCUMULATOR TANK	100	TK–611	–
6	THERMOCOUPLE 24" LONG, DUAL TYPE K	500	TE–127A/B	–
7	THERMOCOUPLE 24" LONG, DUAL TYPE K	500	TE–128A/B	–
8	THERMOCOUPLE 24" LONG, DUAL TYPE K	500	TE–121A/B	–
9	THERMOCOUPLE 24" LONG, DUAL TYPE K	500	TE–122A/B	–
10	UPPER CHAMBER ACCESS DOOR	500	–	–
11	LOWER MEDIA SUPPORT ACCESS DOOR	500	–	
12	POPPET VALVE 24"ø	500	XV–109	–
13	POPPET VALVE 24"ø	500	XV–110	–
14	BURNER ACCESS PLATFORM	860	–	–
15	EXHAUST STACK 26"ø X 30' TALL	870	–	–
16	BURNER PEEPSIGHT	500	–	–
17	COMBUSTION FAN	500	F–102	CCW, UBD
18	FAN SKID DETAILS	300	–	–
19	EXHAUST MIX BOX	100	–	–
20	COMBUSTION AIR LINE DETAILS	175	–	–
21	PROCESS FAN INLET DUCT	308	–	–
22	FRESH AIR SCREEN ASSY	901	–	–
23	FAN INLET TRANSITION	310	–	–
24	FAN INLET FLEXIBLE CONNECTOR	311	–	–
25	FAN OUTLET FLEXIBLE CONNECTOR	312	–	–
26	FAN OUTLET TRANSITION	313	–	–
27	FAN OUTLET DUCT	314	–	–
28	PROCESS ISOLATION DAMPER	319	–	–
29	FRESH AIR DAMPER ASSEMBLY	320	–	–
30	JOBSITE BOX COLLECTION	–	–	KOBALT – SIZE 24" W x 48" L x 28" H

TERMINAL POINT SCHEDULE

TERMINAL POINT	DESCRIPTION	TERMINAL SIZE	CONNECTION TYPE
A	PROCESS AIR INLET	24"	FLANGE
B	FUEL INLET	1–1/2"	NPT
C	COMPRESSED AIR INLET	3/4"	NPT
D	STACK DRAIN	2"	NPT

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NOTES
1. PAINT COLOR SHALL BE CleanCap STANDARD MEDIUM INDUSTRIAL GRAY.
2. AIR TO BE CLEAN AND DRY
3. ESTIMATED TOTAL WEIGHT: TBD
4. STACK TO BE PAINTED WITH HIGH TEMPERATURE ALUMINUM.
5. INLET DUCTWORK SHALL BE DESIGNED FOR –10"WC PER SMACNA STANDARDS.

	DRAWING STATUS	DATE	BY
.	PRELIMINARY	.	.
X	FOR APPROVAL	11-03-25	RGP
.	APPROVED FOR FAB	.	.
.	AS BUILT	.	.
.	AS FIELD MODIFIED	.	.

MAT'L: N/A
WEIGHT: N/A
TOLERANCES: N/A
SHT 1 OF 1
THIRD ANGLE PROJECTION
INCH [mm]

CleanCap TECHNOLOGIES & SERVICES
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DATE: 11/03/25
SCALE: NTS
DRAWN BY: RGP
CHECKED BY: CHC
CUSTOMER: TBD
TITLE: 8,500 SCFM 2–CANISTER REGENERATIVE THERMAL OXIDIZER PROCESS & INTEGRATION DIAGRAM

PROJECT	DRAWING	REV	SIZE
18193	500	4	D