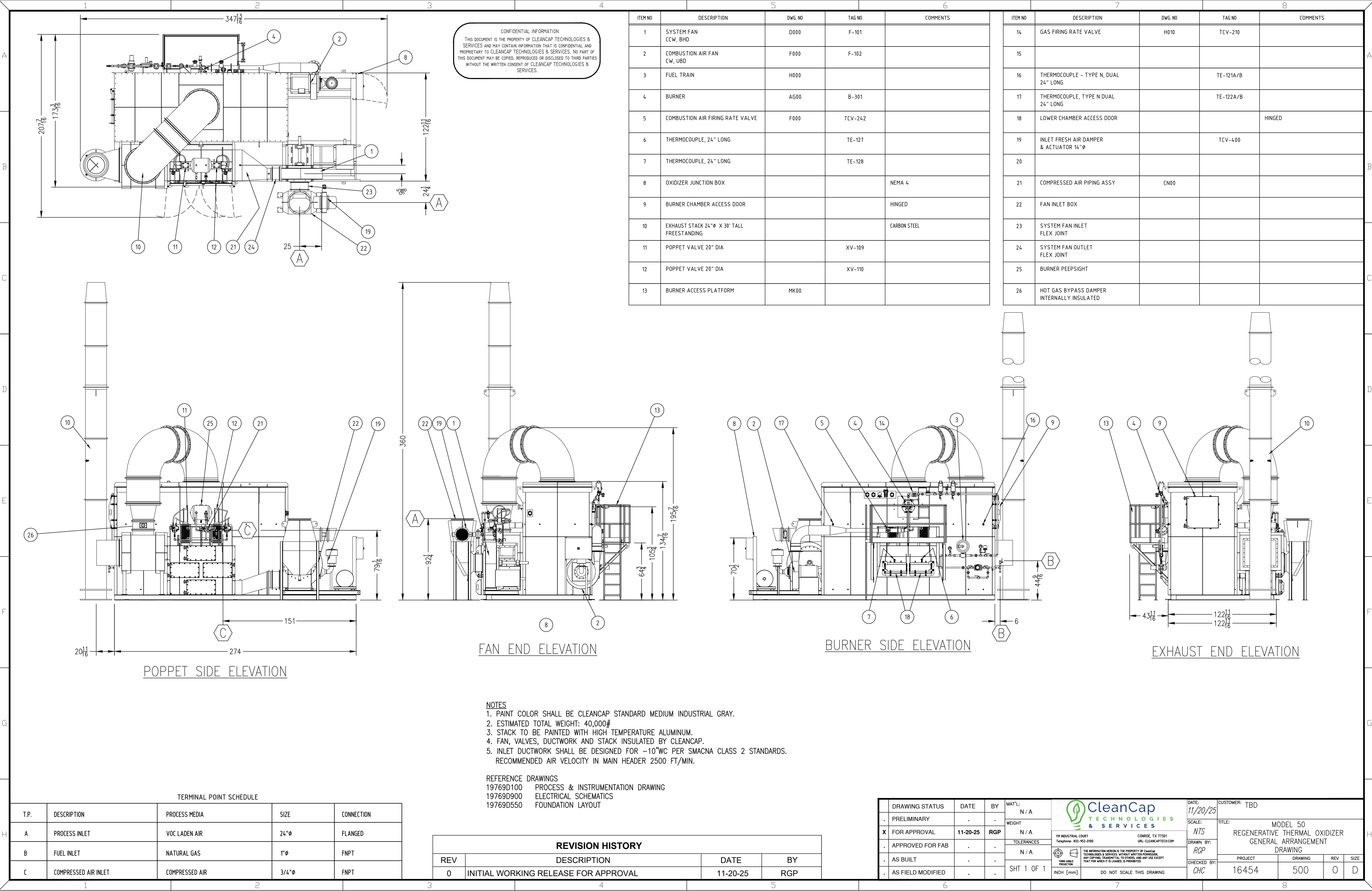




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ITEM NO	DESCRIPTION	DWG NO	TAG NO	COMMENTS
1	SYSTEM FAN CCW, BHD	D000	F-101	
2	COMBUSTION AIR FAN CW, UBD	F000	F-102	
3	FUEL TRAIN	H000		
4	BURNER	AG00	B-301	
5	COMBUSTION AIR FIRING RATE VALVE	F000	TCV-242	
6	THERMOCOUPLE, 24" LONG		TE-127	
7	THERMOCOUPLE, 24" LONG		TE-128	
8	OXIDIZER JUNCTION BOX			NEMA 4
9	BURNER CHAMBER ACCESS DOOR			HINGED
10	EXHAUST STACK 24"Ø X 30' TALL FREESTANDING			CARBON STEEL
11	POPPET VALVE 20" DIA		XV-109	
12	POPPET VALVE 20" DIA		XV-110	
13	BURNER ACCESS PLATFORM	MK00		

ITEM NO	DESCRIPTION	DWG NO	TAG NO	COMMENTS
14	GAS FIRING RATE VALVE	H010	TCV-210	
15				
16	THERMOCOUPLE - TYPE N, DUAL 24" LONG		TE-121A/B	
17	THERMOCOUPLE, TYPE N DUAL 24" LONG		TE-122A/B	
18	LOWER CHAMBER ACCESS DOOR			HINGED
19	INLET FRESH AIR DAMPER & ACTUATOR 14"Ø		TCV-400	
20				
21	COMPRESSED AIR PIPING ASSY	CN00		
22	FAN INLET BOX			
23	SYSTEM FAN INLET FLEX JOINT			
24	SYSTEM FAN OUTLET FLEX JOINT			
25	BURNER PEEPSIGHT			
26	HOT GAS BYPASS DAMPER INTERNALLY INSULATED			

FAN END ELEVATION

BURNER SIDE ELEVATION

EXHAUST END ELEVATION

POPPET SIDE ELEVATION

- NOTES
1. PAINT COLOR SHALL BE CLEANCAP STANDARD MEDIUM INDUSTRIAL GRAY.
 2. ESTIMATED TOTAL WEIGHT: 40,000#
 3. STACK TO BE PAINTED WITH HIGH TEMPERATURE ALUMINUM.
 4. FAN, VALVES, DUCTWORK AND STACK INSULATED BY CLEANCAP.
 5. INLET DUCTWORK SHALL BE DESIGNED FOR -10"WC PER SMACNA CLASS 2 STANDARDS.
RECOMMENDED AIR VELOCITY IN MAIN HEADER 2500 FT/MIN.

REFERENCE DRAWINGS
19769D100 PROCESS & INSTRUMENTATION DRAWING
19769D900 ELECTRICAL SCHEMATICS
19769D550 FOUNDATION LAYOUT

REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
0	INITIAL WORKING RELEASE FOR APPROVAL	11-20-25	RGP

TERMINAL POINT SCHEDULE				
T.P.	DESCRIPTION	PROCESS MEDIA	SIZE	CONNECTION
A	PROCESS INLET	VOC LADEN AIR	24"Ø	FLANGED
B	FUEL INLET	NATURAL GAS	1"Ø	FNPT
C	COMPRESSED AIR INLET	COMPRESSED AIR	3/4"Ø	FNPT

DRAWING STATUS	DATE	BY	MAT'L:	 CleanCap TECHNOLOGIES & SERVICES	DATE:	CUSTOMER: TBD				
PRELIMINARY	.	.	N / A		11/20/25	TITLE: MODEL 50				
X FOR APPROVAL	11-20-25	RGF	WEIGHT		SCALE:	REGENERATIVE THERMAL OXIDIZER				
APPROVED FOR FAB	.	.	N / A		NTS	GENERAL ARRANGEMENT				
AS BUILT	.	.	TOLERANCES	 THIRD ANGLE PROJECTION	DRAWN BY:	DRAWING				
AS FIELD MODIFIED	.	.	N / A		RGP	PROJECT				
SHT 1 OF 1				DO NOT SCALE THIS DRAWING						
				INCH [mm]						
				CHECKED BY: CHC						
				16454 500 0 D						