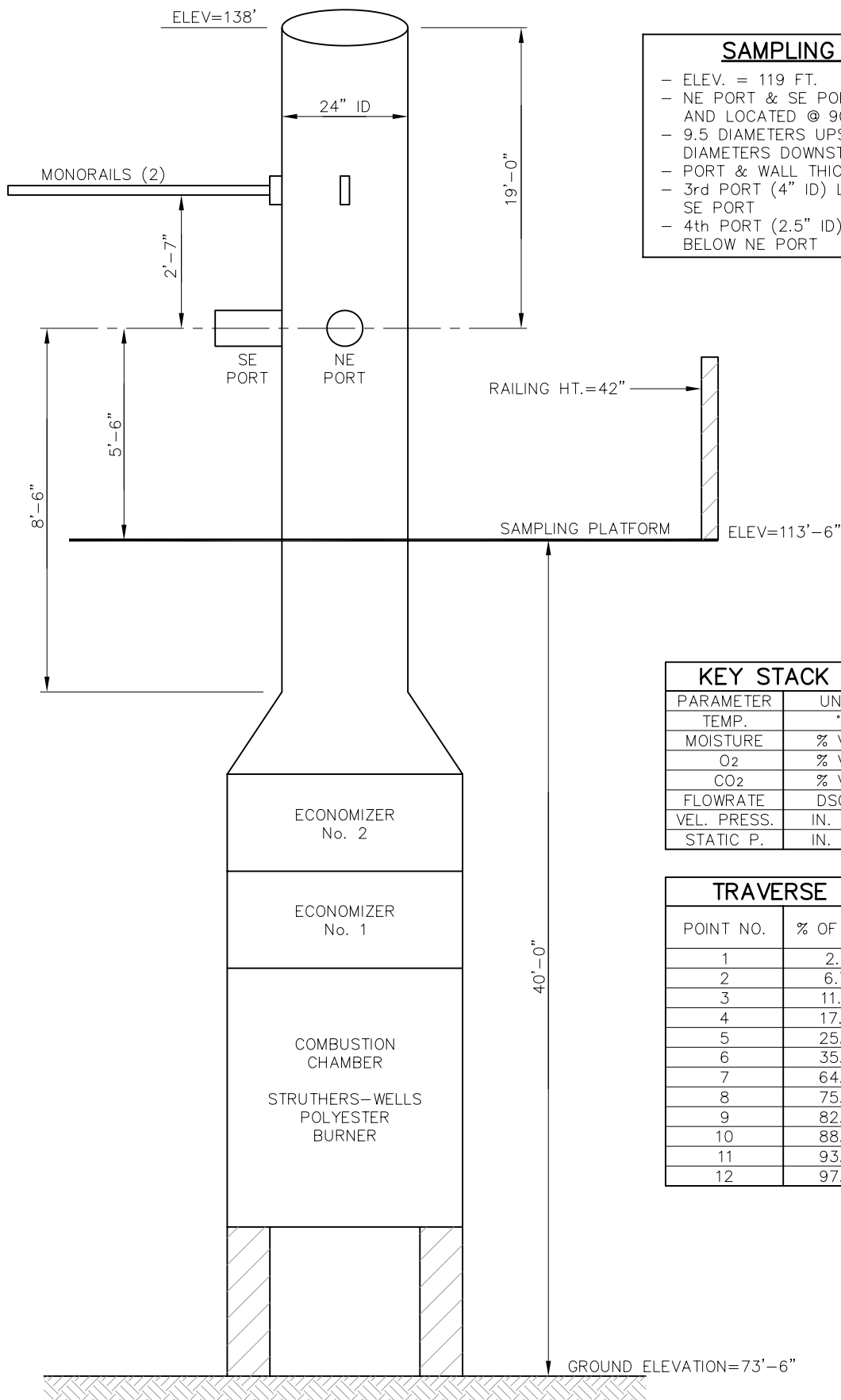




SAMPLING PORTS (4)

- ELEV. = 119 FT.
- NE PORT & SE PORT ARE 4" ID AND LOCATED @ 90° TO EACH OTHER
- 9.5 DIAMETERS UPSTREAM AND 4.25 DIAMETERS DOWNSTREAM OF DISTURBANCES
- PORT & WALL THICKNESS = 6.625"
- 3rd PORT (4" ID) LOCATED 8" BELOW SE PORT
- 4th PORT (2.5" ID) LOCATED SLIGHTLY BELOW NE PORT

KEY STACK PARAMETERS

PARAMETER	UNITS	VALUE
TEMP.	°F	623
MOISTURE	% V/V	21.6
O ₂	% V/V	4.0
CO ₂	% V/V	12.7
FLOWRATE	DSCFM	1,890
VEL. PRESS.	IN. W.C.	0.11
STATIC P.	IN. W.C.	-0.20

TRAVERSE POINT DATA

POINT NO.	% OF DIAM.	DIST. INCL. PORT (IN.)
1	2.1%	7.1
2	6.7%	8.2
3	11.8%	9.5
4	17.7%	10.9
5	25.0%	12.6
6	35.6%	15.2
7	64.4%	22.1
8	75.0%	24.6
9	82.3%	26.4
10	88.2%	27.8
11	93.3%	29.0
12	97.9%	30.1

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ENSR AECOM

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**STACK SAMPLING LOCATIONS -
 POLYESTER BURNER UNIT
 BOSTIK, INC.
 211 BOSTON STREET
 MIDDLETON, MASSACHUSETTS**

FIGURE NUMBER:

4-1

DRAWN BY:
K.P.B.

DATE:
2/08

PROJECT NUMBER:
00963-044

SHEET NUMBER:
X