

TERMINAL POINT	DESCRIPTION	X	Y	Z
TP003	HP FEEDWATER	40'-0"	77'-2"	13'-0"
TP006	TCA COOLER RETURN	25'-6"	96'-1"	45'-0"
TP011	HP MAIN STEAM	24'-6"	41'-10"	45'-0"
TP101	IP FEEDWATER	40'-10"	106'-0"	13'-0"
TP103	FUEL GAS HEATER EXTRACTION	23'-0"	105'-3"	45'-0"
TP203	LP FEEDWATER	41'-10"	118'-11"	13'-0"
TP204	HP/IP PUMP SUCTION	22'-0"	115'-5 1/2"	45'-0"
TP207	LP MAIN STEAM	33'-10"	86'-11 1/4"	13'-0"
TP214	HP/IP MINIMUM FLOW	DELETED	DELETED	DELETED
TP215	HP/IP MINIMUM FLOW	DELETED	DELETED	DELETED
TP303	COLD REHEAT	26'-5 1/2"	63'-2"	45'-0"
TP305	HOT REHEAT	24'-6"	44'-9 1/2"	45'-0"
TP401	OUTLET STACK DRAIN	0'-0"	158'-4 3/8"	3'-4 1/2"
TP701	BLOWDOWN TANK COOLING WATER	-56'-6 1/16"	62'-8 5/8"	1'-3 1/16"
TP703	BLOWDOWN TANK DRAIN	-46'-7 9/16"	74'-2 1/16"	0'-8 1/2"



MAIN STRUCTURALS			
COL. LINE	SIDE COLUMNS	UPPER BEAM	LOWER BEAM
A & B	H400x400x13x21	H340x250x9x14	H400x400x13x21
C	H588x300x12x20	H390x300x10x16	H588x300x12x20
D	H900x300x16x28	H900x300x16x28	H900x300x16x28
E & F	B750x400x16x32	B750x400x16x32	B750x400x16x32
G	B920x300x18x28	B915x300x16x25	B920x300x18x28
H & J	B1100x400x20x40	B1000x400x20x38	B1100x400x20x40
K & L	B920x300x18x28	B915x300x16x25	B920x300x18x28
M & R	B1100x400x20x40	B1300x400x20x40	B1100x400x20x40
N & P	B1500x400x20x35	B1600x400x25x50	B1500x400x20x35

MARK NO.	QUANTITY	CONN. SIZE	DESCRIPTION
1	4	6"-150# RF FLG	EPA
2	4	4"-150# RF FLG	CO/VOC SAMPLING
3	4	4"-150# RF FLG	CEMS
4	4	2"-3000# SW	STACK THERMOWELL
5	3	6"-150# RF FLG	INLET DUCT TEST GRID
6	6	14" x 18"	DRUM MANWAY
7	22	18" x 24"	HRSG ACCESS DOOR
8	1	24"	STACK ACCESS DOOR
9	9	3/4"-3000# SW	GAS PATH PRESSURE PORT
10	21	2"-3000# SW	GAS PATH TEMPERATURE PORT
11	64	2"-150# RF FLG	GAS PATH TEST PORT
12	1	4"-150# RF FLG	GAS PATH TEST PORT (CO)
13	7	---	BURNER FRONT PLATE
14	12	---	BURNER VIEWPORT
15	1	4"-150# RF FLG	GAS PATH TEST PORT (VOC)
16	1	4"-150# RF FLG	GAS PATH TEST PORT (O ₂)
17	1	4"-150# RF FLG	GAS PATH TEST PORT (NO _x)
18	6	1/2"-150# RF FLG	PRESSURE TRANSMITTER (MITSUBISHI)
19	6	1"-150# RF FLG	TEMPERATURE ELEMENT (MITSUBISHI)
20	2	1"-150# RF FLG	SPARE (MITSUBISHI)
21	4	4"-150# RF FLG	SPARE (MITSUBISHI)

V17494-GAND-001 THRU 003 :GENERAL ARRANGEMENTS
V17494-SEND-001 THRU 004 :BOILER SETTINGS
V17494-ICND-001 THRU 009 :P & ID'S
V17494-SENF-001 :GENERAL NOTES AND DATA
V17494-FLND-001 :FOUNDATION DIAGRAMS
V17494-FLNF-001 :FOUNDATION TABLE

- GENERAL NOTES:**
- QUANTITIES SHOWN ARE FOR (1) ONE UNIT:
(1) ONE UNIT REQUIRED FOR MIDDLETOWN PROJECT
(1) ONE UNIT REQUIRED FOR KINGS MOUNTAIN PROJECT
 - ALL PLATFORM ELEVATIONS ARE TO THE TOP OF GRATING.

03	REVISED GAS PATH PORT QUANTITY	14-JUN-16	JP	REEVES	---	DP
02	GENERAL UPDATE & CLIENT COMMENTS	15-APR-16	REEVES	MB	---	DP
01	GENERAL UPDATE & CLIENT COMMENTS	14-OCT-15	REEVES	MB	---	KMF
00	INITIAL ISSUE	28-AUG-15	REEVES	MB	---	KMF
Rev.	Description	Date	Drawn	Chkd. 1	Chkd. 2	Appr.
Revisions						

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MIDDLETOWN ENERGY CENTER
and
KINGS MOUNTAIN ENERGY CENTER
for
NTE ENERGY and GEMMA POWER SYSTEMS
VOGT POWER PROJECTS V17494 & V17495
Title

3rd ANGLE PROJECTION
Scale: 1/8"=1'-0"

GENERAL ARRANGEMENT
RIGHT SIDE ELEVATION

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Internal Drawing Status	Size	Drawing No.	Rev.
FOR RECORD	D	V17494-GAND-0001	03