

DATE: January 10, 2025

DEPARTMENT OF GENERAL SERVICES
BUREAU OF CAPITAL PROJECT DESIGN MANAGEMENT
1800 HERR STREET
HARRISBURG, PENNSYLVANIA

ADDENDUM NO. 5

on

PROJECT NO. DGS C-0503-0027 PHASE 001

PROJECT TITLE - Danville State Hospital - Replace Steam Generation Equipment

PROFESSIONAL:

CJL Engineering

232 Horner St

Johnstown, Pennsylvania, 15902

If you submitted a bid prior to this Addendum being issued, your bid has been discarded and you must re-submit your bid(s) prior to the bid opening date and time.

ADMINISTRATIVE CHANGES – .2 HVAC CONSTRUCTION CONTRACT

Item 1 - Revised schedules on H-13 to include existing Boiler Information

SPECIFICATION CHANGES – ALL CONTRACTS

Item 1 - N/A

DRAWING CHANGES – .2 HVAC CONSTRUCTION CONTRACT

Item 1 - H-13

DUAL COMPARTMENT DEAERATOR SCHEDULE																	
MARK	TYPE	CAPACITY (LBS/HR)	DA RECEIVER GALLONS (NET)	SURGE RECEIVER GALLONS (NET)	BOILER FEED PUMPS				CONDENSATE TRANSFER PUMPS				ELECTRICAL DATA				
					QTY	OPERATION	GPM	DISCHARGE PRESSURE (PSIG)	MOTOR HP	QTY	OPERATION	GPM	DISCHARGE PRESSURE (PSIG)	MOTOR HP	V	PH	HZ
DA-2	INT SPRAY/TRAY	24,150	46	469	3	DUTY/STANDBY	36	100	15	2	DUTY/STANDBY	72	35	2	208	3	60

NOTES

- FEEDWATER PUMPS MUST BE FURNISHED AS A COMPLETE FACTORY PIPED AND WIRED PACKAGE INTEGRAL TO THE DEAERATOR SYSTEM.
- FURNISH WITH A COMMON CENTRAL PANEL WITH MAIN DISCONNECT SWITCHES, PUMP FUSING, SELECTION SWITCH, BOILER MASTER CONTROL PANEL INTERFACING AND OTHER SPECIFIED ITEMS.
- FACTORY PIPING SHALL INCLUDE A PUMP SUCTION HEADER, DISCHARGE HEADER, ISOLATION VALVES, RECIRCULATION LINE TO DEAERATOR, FLEX CONNECTIONS AND OTHER SPECIFIED ITEMS.
- DEAERATOR SHALL HAVE 304L STAINLESS STEEL MANIFOLD, SPRAY NOZZLES AND TRAYS.
- UNIT SHALL BE FURNISHED WITH SINGLE POINT POWER CONNECTION.
- UNIT SHALL BE FURNISHED WITH A 96" H STRUCTURAL STAND, QUADRAPLEX BOILER FEED PUMPS (BFP-1,2,3), AND DUPLEX CONDENSATE TRANSFER PUMPS (CTP-1,2).
- UNIT SHALL BE FURNISHED WITH MODULATING FEED WATER AND MAKE-UP VALVES WITH 3-VALVE BYPASS FURNISHED AND INSTALLED BY DEAERATOR MANUFACTURER.
- TWO (2) STEAM PRV'S SHALL BE FACTORY SUPPLIED. FIELD INSTALLED BY CONTRACTOR.

STEAM, GAS, AND OIL FLOW METER SCHEDULE						
SERVICE	SYSTEM	TYPE	OPERATING STEAM (PSIG)	MAX FLOW	PIPE SIZE (IN)	REMARKS
B-2	STEAM	VOTREX	75	17250 LBS/HR	6	1
B-2	GAS	INSERTION THERMAL MASS	-	20922 MBH	3	1
B-2	OIL	POSITIVE DISPLACEMENT	-	149 99 GPH	1	1
B-3	STEAM	VOTREX	75	17250 LBS/HR	6	1
B-3	GAS	INSERTION THERMAL MASS	-	20922 MBH	3	1
B-3	OIL	POSITIVE DISPLACEMENT	-	149 99 GPH	1	1
B-6	STEAM	VOTREX	75	4315 LBS/HR	4	1
B-6	GAS	INSERTION THERMAL MASS	-	5230 MBH	3	1
B-6	OIL	POSITIVE DISPLACEMENT	-	37.35 GPH	1	1
MAIN IN TUNNEL	STEAM	VOTREX	75	23000 LBS/HR	12	-

NOTES

- THE FLOW METER SHALL BE PROVIDED BY THE BOILER SUPPLIER AS PART OF THE BOILER PACKAGE.

BOILER SCHEDULE											
MARK	GAS INPUT (MBH)	OIL INPUT (GPH)	OUTPUT (MBH)	BOILER			ELECTRICAL DATA			WEIGHT (LBS)	REMARKS
				HP	HP	HP	V	PH	HZ		
B-2	20922	149.99	16378	500	25	208	3	60	38500	1	
B-3	20922	149.99	16378	500	25	208	3	60	38500	1	
B-6	5230	37.35	4184	125	5	208	3	60	12800	2	

NOTES

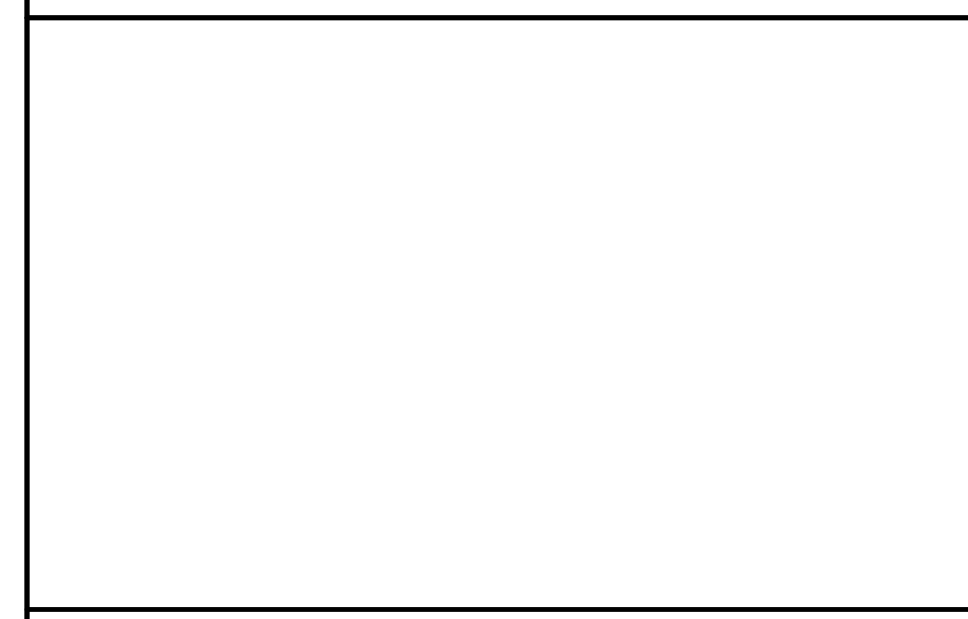
- BURNER SHALL BE ULTRA LOW NOX.
- BURNER SHALL BE LOW NOX.

EXISTING BOILER SCHEDULE						
MARK	STEAM OUTPUT (LBS/HR)	HEATING SURFACE AREA (SQ FT)	YEAR	SERIAL NUMBER	ELECTRICAL DATA	
					V	HZ
EX B-4	10000	1314	2014	12340	208	3 60
EX B-5	20000	2533	1996	96-028-1	208	3 60

BLOWDOWN SEPARATOR SCHEDULE					
MARK	OPERATING STEAM (PSIG)	SIZE (IN)	INLET (IN)	VENT (IN)	OUTLET (IN)
BDS-1	75	16 X 26	1.5	5	5

STEAM SEPARATOR SCHEDULE				
MARK	OPERATING STEAM (PSIG)	STEAM FLOW (LBS/HR)	INLET (IN)	OUTLET (IN)
SS-2	75	17250	8	8
SS-3	75	17250	8	8
SS-6	75	4315	4	4

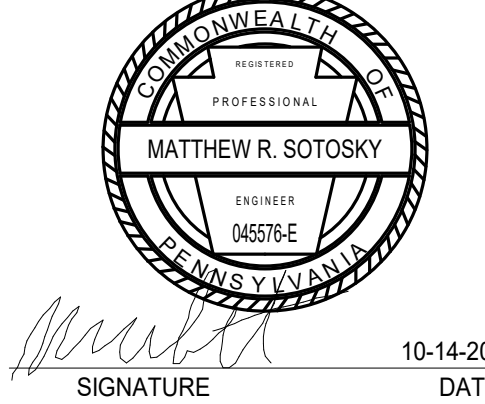
CAMPUS / KEY PLAN



2	ADDENDUM 5 - 01/09/2025		

RECORD REVISIONS

CONSTRUCTION DOCUMENTS



SIGNATURE: *Matthew R. Sotosky* DATE: 10-14-2024



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF GENERAL SERVICES
HARRISBURG, PENNSYLVANIA

D.G.S. PROJECT No. **DGS C-0503-0027 Phase 001**

VERIFY SCALE BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING. IF BAR IS NOT ONE (1) INCH LONG ADJUST SCALE ACCORDINGLY. <small>CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT PROFESSIONAL & BUREAU OF CONSTRUCTION APPROVAL.</small>	DRAWN BY Author DATE 10-14-2024	SHEET No. H-13
	CHECKED BY Checker SCALE 1/4" = 1'-0"	