CITY OF HASTINGS
HASTINGS, NEBRASKA

ADDENDUM NO. 1
8/15/25

WEC UNIT 1 BOTTOM ASH
WATER RECIRCULATION SYSTEM
WHELAN ENERGY CENTER, UNIT 1

Contract No. HU 2025-101

- Revised Drawing PT-335-02 showing approximate location of overflow tank. Location allows access from bottom ash hopper overflows, access to wastewater line, and access to existing water header.

CITY OF HASTINGS

By Brandon Miller

Title Mechanical Engineer

The undersigned bidder hereby certifies that the revision set forth in this addendum have been incorporated in their bid and are a part of the contract documents.

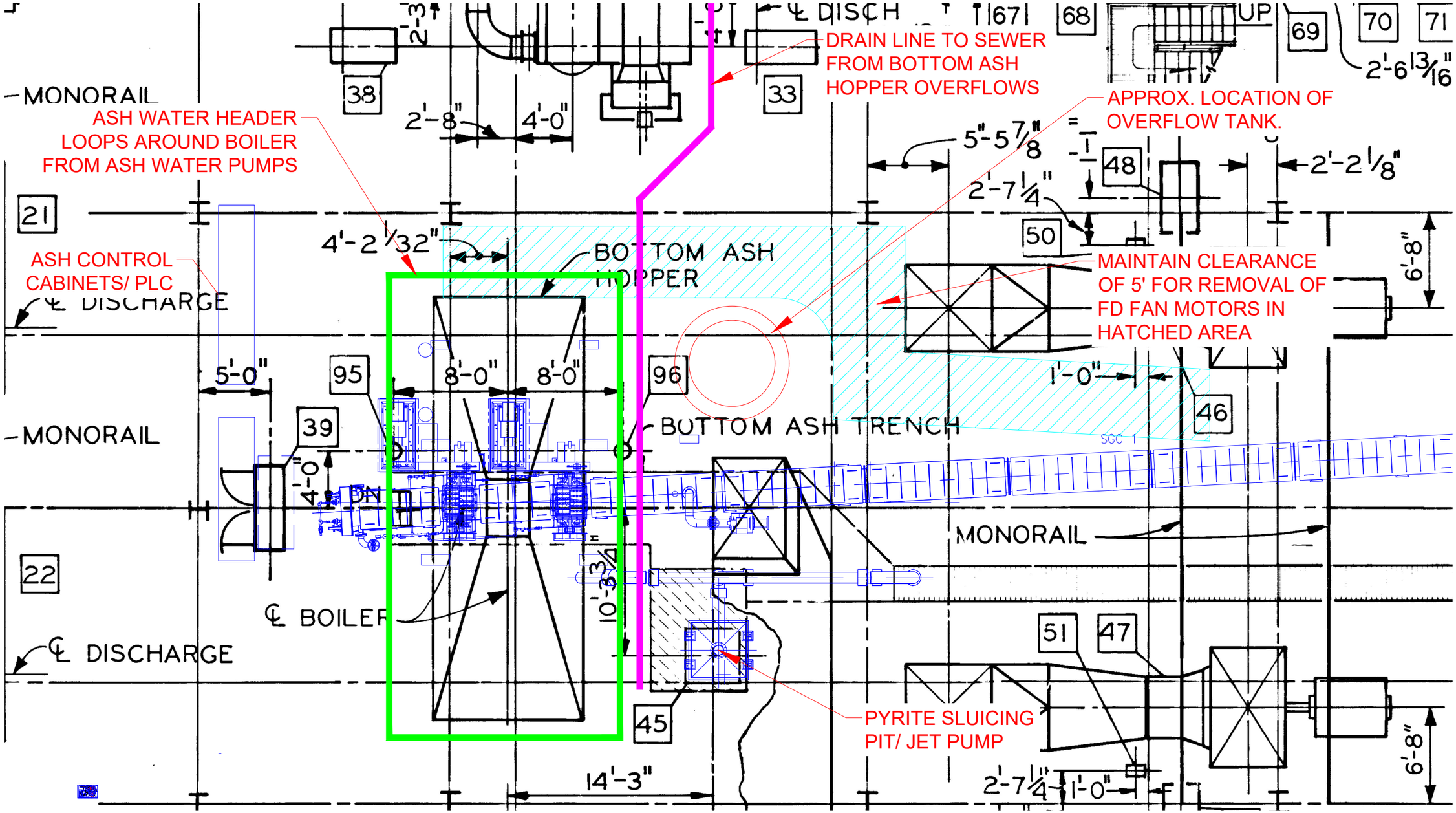
Signed _____

Title _____

Firm _____

Date _____

ALL ISSUED ADDENDUM(S) MUST BE ACKNOWLEDGED
& RETURNED WITH YOUR BID DOCUMENTS



NOTES:

1.) PLANT LAYOUT WITH BOTTOM ASH CONVEYOR SYSTEM ADDED.
2.) NOT ALL EQUIPMENT SHOWN MAY BE OPERATIONAL OR SHOWN IN CORRECT LOCATIONS.
3.) SUPPLY WATER HEADER AND WASTEWATER LINE SHOWN FOR REFERENCE IN APPROXIMATE LOCATION ONLY.
4.) DRAWING TAKEN FROM PLANT ARRANGEMENT DRAWING A1001.

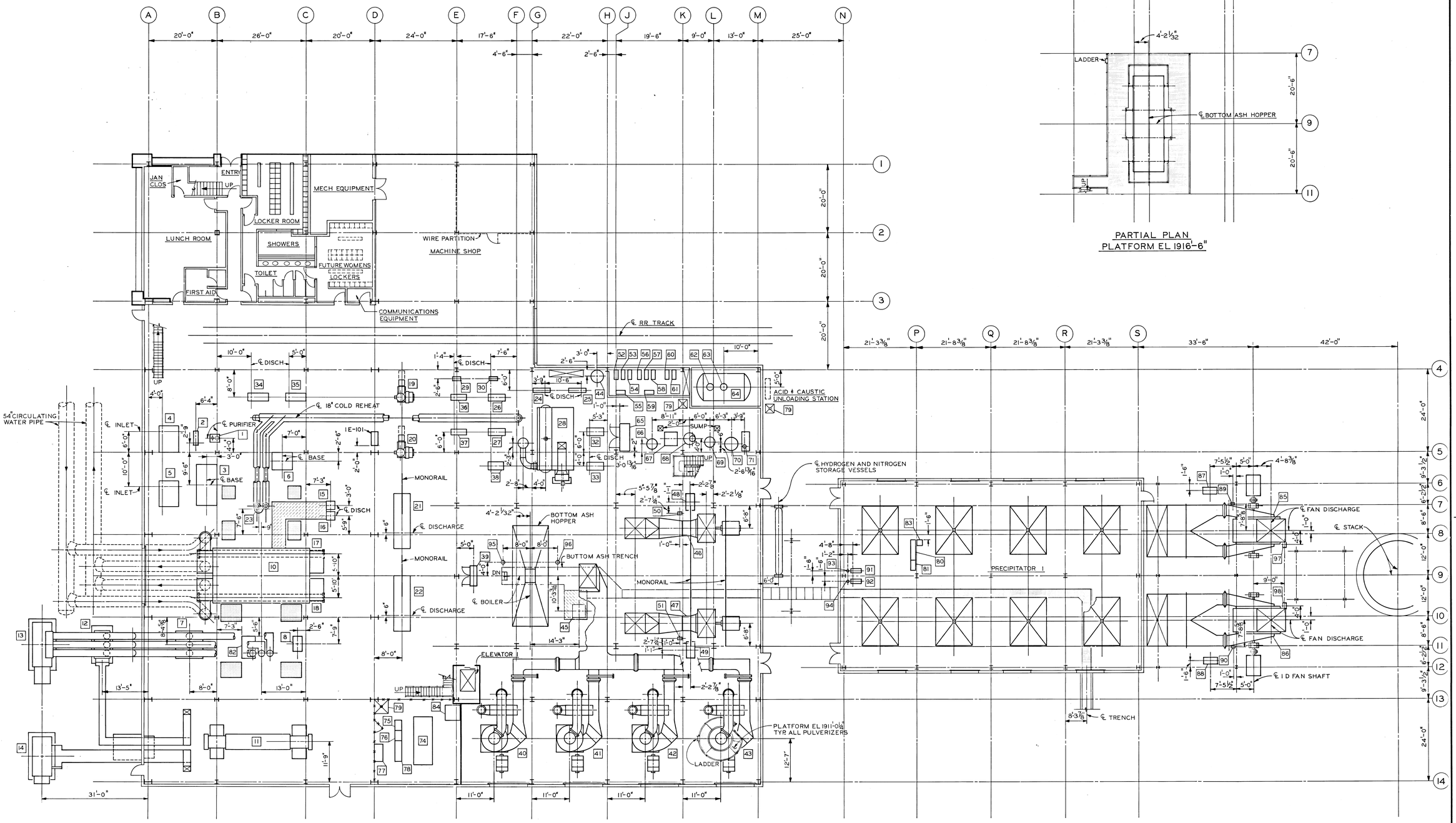
No.	Revision	By	Date
1	Added location of Overflow Tank	BWM	8/15/25

CITY OF HASTINGS ENGINEERING DEPT.

SCALE: N.T.S.	CONTRACTOR -	DRN. BY. BWM
DATE: 7/31/25		APPRD. BY. -

WEC1 BOTTOM ASH RECIRC SYSTEM

PLANT LAYOUT — DRG. NO. PT-335-02



PARTIAL PLAN
PLATFORM EL 1916'-6"

EQUIP. NO.	EQUIPMENT	LOCATION									
1	TURBINE OIL CENTRIFUGE 1	B5	21	BOILER FEED PUMP 1A	D8	41	PULVERIZER 1B	HI3	61	DEMINERALIZER CAUSTIC REGENERATION PUMP 1B	K4	81	PRECIPITATOR HOPPER VIBRATOR/LEVEL CONTROL PANEL 1	P9
2	TURBINE OIL TRANSFER PUMP 1	B5	22	BOILER FEED PUMP 1B	D10	42	PULVERIZER 1C	KI3	62	DEMINERALIZER ACID REGENERATION PUMP 1A	L4	82	NEUTRAL GROUNDING COMPARTMENT	BI0
3	TURBINE OIL STORAGE TANK 1	B5	23	MISCELLANEOUS DRAINS RECEIVER 1	B8	43	PULVERIZER 1D	MI3	63	DEMINERALIZER ACID REGENERATION PUMP 1B	L4	83	MOTOR CONTROL CENTER 1E	NI0
4	CONDENSER EXHAUSTER 1A	A5	24	IGNITOR FUEL OIL PUMP 1A	G4	44	BOILER BLOWDOWN TANK 1	H4	64	DEMINERALIZER ACID STORAGE TANK 1	L4	84	JUNCTION BOX	EI3
5	CONDENSER EXHAUSTER 1B	A5	25	IGNITOR FUEL OIL PUMP 1B	H4	45	MILLS REJECTS HOLDING HOPPER 1	HI0	65	DEMINERALIZER CONTROL PANEL 1	J5	85	INDUCED DRAFT FAN 1A	S8
6	ELECTRO-HYDRAULIC CONTROL UNIT 1	C5	26	AUXILIARY BOILER MAKEUP WATER PUMP 1A	F4	46	FORCED DRAFT FAN 1A	L7	66	SECONDARY ANION EXCHANGER 1	J5	86	INDUCED DRAFT FAN 1B	SI0
x 7	GENERATOR PT AND SURGE ARRESTER COMPARTMENT 1	BI0	27	AUXILIARY BOILER MAKEUP WATER PUMP 1B	F5	47	FORCED DRAFT FAN 1B	LII	67	DEGASIFIED WATER TRANSFER PUMPS 1A AND 1B	K5	87	INDUCED DRAFT FAN OIL UNIT 1A	S6
x 8	HYDROGEN SEAL OIL UNIT 1	CI0	28	AUXILIARY BOILER 1	G5	48	FORCED DRAFT FAN OIL UNIT 1A	L7	68	FORCED DRAFT DEGASIFIER 1	K5	88	INDUCED DRAFT FAN OIL UNIT 1B	SI2
x 9			29	BEARING WATER BOOSTER PUMP 1A	E4	49	FORCED DRAFT FAN OIL UNIT 1B	LII	69	PRIMARY ANION EXCHANGER 1	K5	89	INDUCED DRAFT FAN INLET VANE DRIVE UNIT 1A	S9
x 10	CONDENSER 1	C9	30	BEARING WATER BOOSTER PUMP 1B	E4	50	FORCED DRAFT FAN BLADE DRIVE UNIT 1A	L7	70	PRIMARY CATION EXCHANGER 1	L5	90	INDUCED DRAFT FAN INLET VANE DRIVE UNIT 1B	S9
x 11	480V SECONDARY UNIT SUBSTATION 1	BI3	31			51	FORCED DRAFT FAN BLADE DRIVE UNIT 1B	LII	71	POLISHING FILTER 1	L5	91	PRECIPITATOR ASH FLUIDIZING AIR BLOWER 1A	N9
12	MAIN AUXILIARY TRANSFORMER 1	AI0	32	ASH WATER PUMPS 1A	H5	52	AUXILIARY BOILER HYDRAZINE FEED PUMP 1	J4	72			92	PRECIPITATOR ASH FLUIDIZING AIR BLOWER 1B	N9
x 13	GENERATOR TRANSFORMER 1	AI0	33	ASH WATER PUMPS 1B	H5	53	HYDRAZINE FEED PUMP 1A	J4	73			93	PRECIPITATOR ASH FLUIDIZING AIR HEATER 1A	N9
x 14	RESERVE AUXILIARY TRANSFORMER 1	AI3	34	AUXILIARY COOLING WATER PUMP 1A	C4	54	HYDRAZINE FEED PUMP 1B	J4	74	UNIT BATTERY 1	EI3	94	PRECIPITATOR ASH FLUIDIZING AIR HEATER 1B	N9
15	CONDENSATE PUMP 1A	C8	35	AUXILIARY COOLING WATER PUMP 1B	C4	55	HYDRAZINE FEED TANK 1	J4	75	BATTERY CHARGER 1A	DI3	95	AIR-WATER RESERVOIR 1A	F9
16	CONDENSATE PUMP 1B	C8	36	AIR PREHEAT WATER PUMP 1A	E4	56	PHOSPHATE FEED PUMP 1A	J4	76	BATTERY CHARGER 1B	DI3	96	AIR-WATER RESERVOIR 1B	G9
17	AUXILIARY COOLING WATER HEAT EXCHANGER 1A	C8	37	AIR PREHEAT WATER PUMP 1B	E5	57	PHOSPHATE FEED PUMP 1B	J4	77	UNIT INVERTER 1	DI4	97	INDUCED DRAFT FAN OUTLET DAMPER DRIVE UNIT 1A	S8
18	AUXILIARY COOLING WATER HEAT EXCHANGER 1B	CI0	38	FIRE WATER BOOSTER PUMP 1	G4	58	AUXILIARY BOILER PHOSPHATE FEED PUMP 1	J4	78	D.C. PANEL 1	DI4	98	INDUCED DRAFT FAN OUTLET DAMPER DRIVE UNIT 1B	S12
19	AIR COMPRESSOR 1A	D4	39	ASH HANDLING PANEL 1	E9	59	PHOSPHATE FEED TANK 1	J4	79	SAFETY SHOWER				
20	AIR COMPRESSOR 1B	D5	40	PULVERIZER 1A	GI3	60	DEMINERALIZER CAUSTIC REGENERATION PUMP 1A	K4	80	PRECIPITATOR HOPPER HEATER CONTROL PANEL 1	P8			

6-20-78

NO	DATE	REVISIONS	DWN	CK	ACC	APP
7	9-15-81	CONFORMED TO CONSTRUCTION RECORDS				
6	11-1-79	GENERAL REVISIONS	TJ		CJS	CJS
5	8-24-79	REVISED AS CIRCLED	GEC	GEC	CJS	CJS
4	3-21-79	ISSUE FOR CONSTRUCTION	TJ	JOP	CJS	CJS
3	2-23-79	INFORMATION SPEC. 72.0000				
2	2-9-79	ISSUED FOR BID, SPEC. 73.0000				
1	12-15-78	BID 72.0000				
0	11-17-78	ISSUED FOR BID SPEC. 71.0000				

SCALE: 3/32" = 1'-0"

I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NEBRASKA
SIGNED
DATE 3-21-79 REG. NO. E-2965

BLACK & VEATCH CONSULTING ENGINEERS
PROJECT 7677

CITY OF HASTINGS, NEBRASKA
HASTINGS ENERGY CENTER UNIT 1
PLANT ARRANGEMENT
GROUND FLOOR EL 1902'-0"

C&V DWG NO. A1001 REV. 7

F-0N-122A