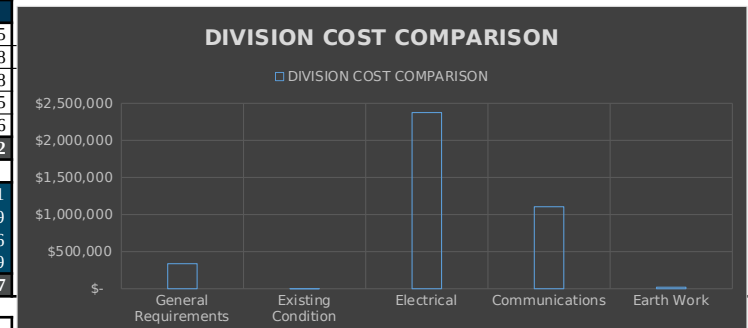


GENERAL SUMMARY

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-
 238039
 Project ID: 14052026
 Scope: Electrical & Instruments
 Date: 28-Sep-26



DIVISION NO	DESCRIPTION	TOTAL DIV. COST
1000	General Requirements	\$ 337,475
2000	Existing Condition	\$ 538
26000	Electrical	\$ 2,375,368
27000	Communications	\$ 1,104,885
31000	Earth Work	\$ 20,046
TOTAL TRADE COST		\$ 3,838,312
PROFIT	10%	\$ 383,831
INSURANCE	3%	\$ 115,149
CONTINGENCY	5%	\$ 191,916
TAX	7%	\$ 212,829
SUGGESTED BID		\$ 4,742,037



Total Manhours	14988
Numbe of Working Hours per Day	10
Crew Size	18
Total Wokring Days	~84
Start Date	
End Date	

DETAILED BREAKDOWN OF ITEMS													Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039 Project ID: 14052026 Scope: Electrical & Instruments		Date: 09/28/26  ELECTRICAL ESTIMATING +1 (214) 556-2605	
SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST			
GENERAL REQUIREMENTS																
1			Site Supervision (Field Clerk/Safety/Engineer/Quality)	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 38,675.00	\$ 38,675.00			
2			Project Manager	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 84,000.00	\$ 84,000.00			
3			Fork Lift & Scissor Lift Cost	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 28,500.00	\$ 28,500.00			
4			Equipment Handling Cost	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 8,500.00	\$ 8,500.00			
5			Excavator/Trencher Cost	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 1,800.00	\$ 1,800.00			
6			Per Diem Cost	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 126,000.00	\$ 126,000.00			
4			Testing & Commissioning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 14,500.00	\$ 14,500.00			
5			Office Trailers & Facilities (BRMs, Lunch Tent(s), Bathrooms, etc.)	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 18,500.00	\$ 18,500.00			
6			Temporary Fencing, Barriers & Signage	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 9,500.00	\$ 9,500.00			
7			Security (incl. gates, guard shacks, etc.)	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ 7,500.00	\$ 7,500.00			
												SUBTOTAL	\$ 337,475			
EXISTING CONDITIONS																
RELOCATION																
8			Existing Flood Light, Light Pole And Concrete Foundation To Be Relocated With	EA	1	0%	1	17.500	\$ 30.72	\$ 537.60	\$ -	\$ 537.60	\$ 537.60			
												SUBTOTAL	\$ 538			
ELECTRICAL																
CONDUIT																
9			2" EMT Conduit	LF	160	5%	168	0.102	\$ 30.72	\$ 3.14	\$ 11.50	\$ 14.64	\$ 2,459.97			
10			1" RGS Conduit	LF	18200	5%	19110	0.060	\$ 30.72	\$ 1.83	\$ 6.25	\$ 8.08	\$ 154,470.26			
11			2" RGS Conduit	LF	8305	5%	8720	0.102	\$ 30.72	\$ 3.14	\$ 15.79	\$ 18.93	\$ 165,097.49			
12			3" RGS Conduit	LF	260	5%	273	0.119	\$ 30.72	\$ 3.67	\$ 28.55	\$ 32.22	\$ 8,795.09			
13			4" RGS Conduit	LF	1255	5%	1318	0.136	\$ 30.72	\$ 4.19	\$ 30.14	\$ 34.33	\$ 2,098.38			
14			5" RGS Conduit	LF	1735	5%	1822	0.171	\$ 30.72	\$ 5.24	\$ 76.68	\$ 81.92	\$ 149,233.68			
15			6" RGS Conduit	LF	1275	5%	1339	0.188	\$ 30.72	\$ 5.76	\$ 100.00	\$ 105.76	\$ 141,588.26			
16			1" PVC COATED RIGID GALVANIZED CONDUIT	LF	16519	5%	17345	0.049	\$ 30.72	\$ 1.50	\$ 8.96	\$ 10.46	\$ 181,484.32			
17			2" PVC COATED RIGID GALVANIZED CONDUIT	LF	6820	5%	7161	0.084	\$ 30.72	\$ 2.58	\$ 16.80	\$ 19.38	\$ 138,758.54			
18			3" PVC COATED RIGID GALVANIZED CONDUIT	LF	675	5%	709	0.098	\$ 30.72	\$ 3.01	\$ 31.36	\$ 34.37	\$ 24,357.24			
19			4" PVC COATED RIGID GALVANIZED CONDUIT	LF	880	5%	924	0.112	\$ 30.72	\$ 3.44	\$ 50.40	\$ 53.84	\$ 49,744.44			
20			5" PVC COATED RIGID GALVANIZED CONDUIT	LF	1665	5%	1748	0.140	\$ 30.72	\$ 4.29	\$ 80.81	\$ 85.10	\$ 148,781.26			
21			6" PVC COATED RIGID GALVANIZED CONDUIT	LF	2040	5%	2142	0.154	\$ 30.72	\$ 4.72	\$ 114.80	\$ 119.52	\$ 256,021.39			
CONDUCTOR																
22			1/C #750KCMIL, MV-105, 15 KV, SHIELDED, OKONITE, 112-23-3802	LF	3825	5%	4016	0.110	\$ 30.72	\$ 3.38	\$ 45.89	\$ 49.27	\$ 197,877.42			
23			1/C #40AWG, MV-105, 15 KV, SHIELDED, OKONITE, 112-31-3464 (Green)	LF	1740	5%	1827	0.062	\$ 30.72	\$ 1.90	\$ 21.52	\$ 23.42	\$ 42,796.82			
24			3/C #2AWG + 1/C #6AWG GND, MV-105, 15 KV, SHIELDED, OKONITE, 112-31-3374 (Green)	LF	100	5%	105	0.032	\$ 30.72	\$ 0.98	\$ 8.50	\$ 9.48	\$ 995.72			
25			1/C #30AWG, XHHW-2, OKONITE, 112-31-3374 (Green)	LF	1275	5%	1339	0.036	\$ 30.72	\$ 1.11	\$ 12.49	\$ 13.60	\$ 18,201.54			
26			1/C #1AWG, XHHW-2, OKONITE, 112-31-3514 (Green)	LF	180	5%	189	0.027	\$ 30.72	\$ 0.83	\$ 3.84	\$ 4.67	\$ 882.52			
27			1/C #2AWG, XHHW-2, OKONITE, 112-24-2531	LF	400	5%	420	0.024	\$ 30.72	\$ 0.74	\$ 3.56	\$ 4.30	\$ 1,804.86			
28			3/C #250KCMIL, XHHW-2, OKONITE, 112-31-6404	LF	840	5%	882	0.072	\$ 30.72	\$ 2.21	\$ 14.50	\$ 16.71	\$ 14,739.84			
29			1/C #500KCMIL, RHH-RHW-2, OKONITE, 112-31-3759	LF	2520	5%	2646	0.084	\$ 30.72	\$ 2.58	\$ 22.50	\$ 25.08	\$ 66,362.95			
30			3/C #4AWG + 1/C #12AWG GND,XHHW-2 Shielded VFD, OKONITE, 112-31-3735	LF	1485	5%	1559	0.042	\$ 30.72	\$ 1.29	\$ 10.35	\$ 11.64	\$ 18,150.04			
31			3/C #4AWG + 1/C #8AWG GND,XHHW-2, OKONITE, 112-31-3777	LF	1880	5%	1974	0.040	\$ 30.72	\$ 1.23	\$ 9.70	\$ 10.93	\$ 21,573.45			
32			3/C #8AWG + 1/C #18AWG GND,XHHW-2, OKONITE, 112-31-3791	LF	2120	5%	2226	0.034	\$ 30.72	\$ 1.04	\$ 3.50	\$ 4.54	\$ 10,116.01			
33			3/C #10AWG+ 1/C #6AWG GND,XHHW-2, OKONITE, 112-31-3363	LF	330	5%	347	0.046	\$ 30.72	\$ 1.41	\$ 8.52	\$ 9.93	\$ 3,441.83			
34			4/C #250KCMIL + 1/C #4AWG GND,XHHW-2, OKONITE, 112-31-3383	LF	90	5%	95	0.288	\$ 30.72	\$ 8.85	\$ 62.50	\$ 71.35	\$ 6,742.33			
35			3/C #2AWG+ 1/C #6AWG GND,XHHW-2, OKONITE, 112-31-3833	LF	845	5%	887	0.005	\$ 30.72	\$ 0.15	\$ 8.85	\$ 9.00	\$ 7,982.90			
36			4/C #20AWG + 1/C #6AWG GND,XHHW-2, OKONITE, 112-31-3704	LF	215	5%	226	0.160	\$ 30.72	\$ 4.92	\$ 20.50	\$ 25.42	\$ 5,737.48			
37			3/C #10AWG + 1/C #18AWG GND Insulated,XHHW-2, OKONITE, 112-31-3709	LF	5230	5%	5492	0.040	\$ 30.72	\$ 1.23	\$ 1.12	\$ 2.35	\$ 12,898.44			
38			4/C #10AWG,XHHW-2, OKONITE, 112-31-3753	LF	425	5%	446	0.040	\$ 30.72	\$ 1.23	\$ 1.12	\$ 2.35	\$ 1,048.15			
39			3/C #10AWG,XHHW-2, OKONITE, 112-31-3823	LF	125	5%	131	0.090	\$ 30.72	\$ 2.76	\$ 2.52	\$ 5.28	\$ 693.63			
40			3/C #10AWG+ 1/C #10AWG GND,XHHW-2, OKONITE, 112-31-3503	LF	2959	5%	3107	0.040	\$ 30.72	\$ 1.23	\$ 1.12	\$ 2.35	\$ 7,297.60			
41			3/C #12AWG + 1/C #12AWG GND Insulated,XHHW-2, OKONITE, 112-31-33793	LF	4250	5%	4463	0.036	\$ 30.72	\$ 1.11	\$ 1.00	\$ 2.11	\$ 9,397.67			
42			3/C #14AWG, XHHW-2, OKONITE, 112-31-3785	LF	6824	5%	7165	0.024	\$ 30.72	\$ 0.74	\$ 0.48	\$ 1.22	\$ 8,722.05			
43			3/C #350AWG + 1/C #3AWG GND,XHHW-2, OKONITE, 112-31-33747	LF	160	5%	168	0.252	\$ 30.72	\$ 7.74	\$ 74.50	\$ 82.24	\$ 13,816.56			
44			3/C #40AWG + 1/C #4AWG GND,XHHW-2, OKONITE, 112-31-33735	LF	415	5%	436	0.120	\$ 30.72	\$ 3.69	\$ 21.00	\$ 24.69	\$ 10,757.10			
45			3/C #8AWG + 1/C #8AWG GND,XHHW-2, OKONITE, 112-31-3612	LF	75	5%	79	0.046	\$ 30.72	\$ 1.41	\$ 4.25	\$ 5.66	\$ 445.97			
46			3/C #8AWG + 1/C #10AWG GND,XHHW-2, OKONITE, 112-31-3797	LF	360	5%	378	0.038	\$ 30.72	\$ 1.17	\$ 2.85	\$ 4.02	\$ 1,518.56			
47			12/C #12AWG,XHHW-2, OKONITE, 112-31-3612	LF	725	5%	761	0.084	\$ 30.72	\$ 2.58	\$ 2.40	\$ 4.98	\$ 3,791.30			
48			3/C #500AWG + 1/C #3AWG GND,XHHW-2, OKONITE, 112-31-3797	LF	180	5%	189	0.198	\$ 30.72	\$ 6.08	\$ 108.50	\$ 114.58	\$ 21,656.10			
49			4PR#14 AWG, IS-OS, OKONITE, 261-60-5504	LF	425	5%	446	0.060	\$ 30.72	\$ 1.84	\$ 11.50	\$ 13.34	\$ 5,954.40			
50			12PR#16 AWG, IS-OS, OKONITE, 261-60-4412	LF	125	5%	131	0.076	\$ 30.72	\$ 2.33	\$ 18.50	\$ 20.83	\$ 2,723.56			
51			4PR#16 AWG, IS-OS, OKONITE, 261-60-4404	LF	60	5%	63	0.066	\$ 30.72	\$ 2.03	\$ 13.78	\$ 15.81	\$ 995.87			
MV CABLE TERMINATION CABLE KIT																
52			25KV 600A T-Body, Outdoor, 1/C #750KCMIL, MV-105, 15KV, SHIELDED, 3M, 62SEL36AL	EA	9	0%	9	1.000	\$ 30.72	\$ 30.72	\$ 639.50	\$ 670.22	\$ 6,031.98			
53			25KV 600A T-Body, Outdoor, 3/C #2AWG + 1/C #6AWG GND, MV-105, 15KV, SHIELDED, 3M, 62SEL22AL	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ 585.50	\$ 610.08	\$ 610.08			
54			5-35KV, Indoor, Cold Shrink QT-III, 1/C #750KCMIL, MV-105, 15KV, SHIELDED, 3M, 7625-T-110	EA	9	0%	9	1.000	\$ 30.72	\$ 30.72	\$ 919.09	\$ 949.81	\$ 8,548.29			
55			5-35KV, Outdoor, Cold Shrink QT-III, 1/C #750KCMIL, MV-105, 15KV, SHIELDED, 3M, 7625-T-110	EA	9	0%	9	2.000	\$ 30.72	\$ 61.44	\$ 2,004.70	\$ 2,066.14	\$ 18,956.26			
56			5-35KV, Indoor, Cold Shrink QT-III, 3/C #2AWG + 1/C #6AWG GND, MV-105, 15KV, SHIELDED, 3M, 7622-T-110-3G	EA	1	0%	1	1.650	\$ 30.72	\$ 50.69	\$ 1,830.23	\$ 1,880.92	\$ 1,880.92			
57			5-35KV, Indoor, Cold Shrink QT-III, 1/C #40AWG, MV-105, 15KV, SHIELDED, 3M, 7624-T-110	EA	27	0%	27	1.000	\$ 30.72	\$ 878.50	\$ 909.22	\$ 24,548.94	\$ 24,548.94			
58			5-35KV, Outdoor, Cold Shrink QT-III, 1/C #40AWG, MV-105, 15KV, SHIELDED, 3M, 7624-T-110	EA	3	0%	3	1.500	\$ 30.72	\$ 46.08	\$ 1,618.50	\$ 1,664.58	\$ 4,993.74			
CIRCUIT BREAKER																
59			1P/15A Breaker 35KAIC	EA	4	0%	4	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 61.44			
60			1P/20A Breaker	EA	14	0%	14	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 215.04			
61			1P/20A Breaker 14KAIC	EA	16	0%	16	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 245.76			
62			1P/20A Breaker 18KAIC	EA	18	0%	18	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 276.48			
63			1P/20A Breaker 35KAIC	EA	23	0%	23	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 353.28			
64			1P/30A Breaker 35KAIC	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 15.36			
65			2P/20A Breaker 22KAIC	EA	10	0%	10	0.700	\$ 30.72	\$ 21.50	\$ -	\$ 21.50	\$ 215.04			
66			2P/20A Breaker 35KAIC	EA	15	0%	15	0.700	\$ 30.72	\$ 21.50	\$ -	\$ 21.50	\$ 322.56			
67			2P/30A Breaker 22KAIC	EA	1	0%	1	0.700	\$ 30.72	\$ 21.50	\$ -	\$ 21.50	\$ 21.50			
68			2P/40A Breaker 22KAIC	EA	5	0%	5	0.700	\$ 30.72	\$ 21.50	\$ -	\$ 21.50	\$ 107.52			
69			2P/100A Breaker	EA	1	0%	1	0.700	\$ 30.72	\$ 21.50	\$ -	\$ 21.50	\$ 21.50			
70			3P/125A MCB	EA	2	0%	2	0.700	\$ 30.72	\$ 21.50	\$ -	\$ 21.50	\$ 43.01			
71			2P/125A Breaker 22KAIC	EA	1	0%	1	0.700	\$ 30.72	\$ 21.50	\$ -	\$ 21.50	\$ 21.50			
72			2P/250A Breaker 22KAIC	EA	1	0%	1	0.700	\$ 30.72	\$ 21.50	\$ -	\$ 21.50	\$ 21.50			
73			2P/400A Breaker 22KAIC	EA	2	0%	2	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 61.44			
74			2P/500A Breaker	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12			
75			2P/20A Breaker 35KAIC	EA	1	0%	1	0.850	\$ 30.72	\$ 26.11	\$ -	\$ 26.11	\$ 26.11			
76			3P/60A MCB	EA	1	0%	1	0.850	\$ 30							

DETAILED BREAKDOWN OF ITEMS														
Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039														
Project ID: 14052026														
Scope: Electrical & Instruments														
											Date:	09/28/26		
SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOOR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST	
88		Supplied By Contractor	45KVA Transformer, 480X208/120VAC, 3PH, EATON, CLASS 1, DIV 2 #Z48C28T45A	EA	1	0%	1	25.500	\$ 30.72	\$ 783.36	\$ -	\$ 783.36	\$ 783.36	
89			75KVA Transformer, 480X208/120VAC, 3PH, HAMMOND POWER SOLUTIONS, Floor Mounted, SG3A007/K8B0C	EA	1	0%	1	40.500	\$ 30.72	\$ 1,244.16	\$ -	\$ 1,244.16	\$ 1,244.16	
90		Supplied And Installed By I&E Contractor	DISCONNECT SWITCH											
91			DC-BATT-9120, 600A, 125VDC 35KAIC (MIM) FUSED DISCONNECT, #RDF600I-4, EATON	EA	1	0%	1	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -	
92			480V Disconnect Switch, EATON EBMXID-N100	EA	1	0%	1	7.500	\$ 30.72	\$ 230.40	\$ -	\$ 230.40	\$ 230.40	
93			3P/175A Power Distribution Block, EDISON PB1013	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12	
94			3P/600A/125VDC Disconnect Switch, 35KAIC, NEMA-1	EA	1	0%	1	6.850	\$ 30.72	\$ 210.43	\$ -	\$ 210.43	\$ 210.43	
95			3P/100A Explosion Proof Disconnect Switch, EATON #EBMXID-N100 RLN4	EA	1	0%	1	3.500	\$ 30.72	\$ 107.52	\$ -	\$ 107.52	\$ 107.52	
96			3P/30A Disconnect Switch, CLASS 1 DIV2, EBMXID-N030 RLN4	EA	3	0%	3	3.500	\$ 30.72	\$ 107.52	\$ -	\$ 107.52	\$ 322.56	
97			3P/100A Disconnect Switch, CLASS 1 DIV2, EBMXID-N100 RLN4	EA	1	0%	1	3.500	\$ 30.72	\$ 107.52	\$ -	\$ 107.52	\$ 107.52	
98			3P/60A Disconnect Switch, CLASS 1 DIV2, EBMXID-N060 RLN4	EA	1	0%	1	3.500	\$ 30.72	\$ 107.52	\$ -	\$ 107.52	\$ 107.52	
99			3P/100A Disconnect Switch, CLASS 1 DIV2, EBMXID-N100 RLN4	EA	1	0%	1	3.500	\$ 30.72	\$ 107.52	\$ -	\$ 107.52	\$ 107.52	
100		Supplied By Contractor	GROUNDING											
101			Exothermic / Cadweld Grounding, C--- Copper, Run: #1/0 to #250KCMIL, 1/2" To 5/8" Rebar, Tag: #1/0 to #250KCMIL, YGHP29C29	EA	100	0%	100	0.650	\$ 30.72	\$ 19.97	\$ 110.50	\$ 130.47	\$ 13,046.80	
102			Exothermic / Cadweld Grounding, C--- Copper, Run: #1/0 to #250KCMIL, 1/2" To 5/8" Rebar, Tag: #1/0 to #250 AWG, YGHP29C26	EA	600	0%	600	0.500	\$ 30.72	\$ 15.36	\$ 68.50	\$ 83.86	\$ 50,316.00	
103			Exothermic / Cadweld Grounding, C--- Copper, Run: #1/0 to #250 KCMIL, TAP: #4 TO #2 AWD, YGHP29C2	EA	30	0%	30	0.500	\$ 30.72	\$ 15.36	\$ 56.62	\$ 71.98	\$ 2,159.40	
104			Package Zinc Anode #360P--42	EA	15	0%	15	0.400	\$ 30.72	\$ 12.29	\$ 185.50	\$ 197.79	\$ 2,966.82	
105			Air Terminal, Static Dissipating, Lighting Master, 1 LM -- PP --31A	EA	55	0%	55	1.250	\$ 30.72	\$ 38.40	\$ 359.50	\$ 397.90	\$ 21,884.50	
106			#2/0 AWG HMWPE Green Grounding Cable	LF	2500	5%	2625	0.030	\$ 30.72	\$ 0.92	\$ 8.50	\$ 9.42	\$ 24,731.70	
107			#250 KCMIL AWG HMWPE Green Grounding Cable	LF	2000	5%	2100	0.072	\$ 30.72	\$ 2.21	\$ 14.50	\$ 16.71	\$ 35,094.86	
108			#2 AWG HMWPE Green Lighting Grounding Cable	LF	1000	5%	1050	0.022	\$ 30.72	\$ 0.68	\$ 3.85	\$ 4.53	\$ 4,752.13	
109			Supplied And Installed By I&E Contractor	POWER										
110		110V, Duplex Receptacle, GFCI, #2094-W NEMA 5-20R, w/ELECT. BOX, LEGRAND		EA	4	0%	4	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -	
111		Data Network Outlet (2) Wisnmod, V574AS SURFACE METAL BOX (2) OR-KSS4 STAINLESS STEEL 4-PORT FACEPLATE (4) KSFTP6A CAT6 JACK, LEGRAND		EA	2	0%	2	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -	
112		110V Duplex Receptacle, #HG420, w/ELECT. BOX, LEGRAND		EA	4	0%	4	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -	
113		20A, Duplex Receptacle, GFCI, #2095TRWR w/WIUC10-GL SINGLE GAND WP COVER, LEGRAND		EA	8	0%	8	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -	
114		110V, 20 Amp, 1 Pole, 120VAC, 1 Phase, 1 Wire, 1/2" NEMA 5-20R, w/ELECT. BOX, LEGRAND		EA	1	0%	1	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -	
115		110V, UPS Quad Receptacle, #HG420, HUBBEL		EA	2	0%	2	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -	
116		LIGHTING												
117		CONDUIT												
118		3/4" EMT Conduit		LF	240	5%	252	0.053	\$ 30.72	\$ 1.62	\$ 2.08	\$ 3.70	\$ 933.33	
119		3/4" RGS Conduit		LF	260	5%	273	0.053	\$ 30.72	\$ 1.62	\$ 3.84	\$ 5.46	\$ 1,491.59	
120		3/4" Flexible Conduit		LF	60	5%	63	0.053	\$ 30.72	\$ 1.62	\$ 1.68	\$ 3.30	\$ 208.13	
121		Supplied And Installed By I&E Contractor	LIGHTING FIXTURES											
122			L1: LED 100-277 VAC, Appleton #MLGA32CPSBU MERCMASTER Generation 3 LED SERIES, 5000K, CT 5000K	EA	16	0%	16	1.500	\$ 30.72	\$ 46.08	\$ 972.50	\$ 1,018.58	\$ 16,297.28	
123			1-5/8" x 1-5/8" Channel	EA	224	0%	224	0.220	\$ 30.72	\$ 6.76	\$ 8.50	\$ 15.26	\$ 3,417.88	
124			Beam Clamp For 1-5/8" x 1-5/8" Channel	EA	64	0%	64	0.140	\$ 30.72	\$ 4.30	\$ 7.50	\$ 11.80	\$ 755.25	
125			3/4" Conduit Tee, CROUSE-HINDS #GUAT26	EA	48	0%	48	1.800	\$ 30.72	\$ 30.72	\$ 142.50	\$ 173.22	\$ 8,314.56	
126			3/8" Spring Nuts, Hex Head Bolts	EA	32	0%	32	0.100	\$ 30.72	\$ 3.07	\$ 8.50	\$ 11.57	\$ 370.30	
127			L2: Fixture, 30W LED, 100-277 VAC, APPLETON #MLLED2A2CPSBU1, MacMaster LED Low Profile Series, CT 5000K	EA	4	0%	4	1.500	\$ 30.72	\$ 46.08	\$ 685.50	\$ 731.58	\$ 2,926.32	
128			1/4" Spring Nuts, Hex Head Bolts, Washers And Lock washers	EA	16	0%	16	0.100	\$ 30.72	\$ 3.07	\$ 3.66	\$ 6.73	\$ 107.71	
129			1-5/8" x 1-5/8" Channel (Unistrut)	EA	32	0%	32	0.220	\$ 30.72	\$ 6.76	\$ 8.50	\$ 15.26	\$ 488.27	
130			3/4" Conduit Clamp	EA	32	0%	32	0.140	\$ 30.72	\$ 4.30	\$ 7.50	\$ 11.80	\$ 377.63	
131		Supplied And Installed By I&E Contractor	Junction Box DIALight #HXZB075	EA	16	0%	16	1.000	\$ 30.72	\$ 30.72	\$ 125.50	\$ 156.22	\$ 2,499.52	
132			L3: Fixture, 70W LED, 120-277VAC, APPLETON #AMLGL6GGBU Area master Generation 2 LED Series, CT 5000K, Lumen Level 9K	EA	8	0%	8	1.850	\$ 30.72	\$ 56.83	\$ 1,850.00	\$ 1,906.83	\$ 15,254.66	
133			L4: Spring Nuts, Hex Head Bolts, Washers And Lock washers	EA	8	0%	8	0.100	\$ 30.72	\$ 3.07	\$ 3.66	\$ 6.73	\$ 107.71	
134			1-5/8" x 1-5/8" Channel (Unistrut)	EA	8	0%	8	0.220	\$ 30.72	\$ 6.76	\$ 8.50	\$ 15.26	\$ 43.86	
135			L4: LED Lighting Fixture	EA	19	0%	19	1.000	\$ 30.72	\$ 30.72	\$ 210.50	\$ 241.22	\$ 4,583.18	
136			1-5/8" x 1-5/8" Channel (Unistrut)	EA	19	0%	19	0.220	\$ 30.72	\$ 6.76	\$ 8.50	\$ 15.26	\$ 289.91	
137			Conduit Union, 3/4" CROUSE-HINDS #UNY205	EA	19	0%	19	0.200	\$ 30.72	\$ 6.14	\$ 84.27	\$ 90.41	\$ 1,717.87	
138			Receptacle, Factory Sealed, 125V, 20A, 3 Wire, 2POLE, 3/4" Hub, Single Gang, CROUSE-HINDS #ENR21201	EA	19	0%	19	0.880	\$ 30.72	\$ 27.03	\$ 714.94	\$ 741.97	\$ 14,097.50	
139			L.R. LED Lighting Fixture	EA	3	0%	3	1.000	\$ 30.72	\$ 30.72	\$ 210.50	\$ 241.22	\$ 723.66	
140			1-5/8" x 1-5/8" Channel (Unistrut)	EA	3	0%	3	0.220	\$ 30.72	\$ 6.76	\$ 8.50	\$ 15.26	\$ 45.78	
141		Supplied And Installed By I&E Contractor	3/4" Conduit Clamp	EA	3	0%	3	0.140	\$ 30.72	\$ 4.30	\$ 7.50	\$ 11.80	\$ 36.15	
142			3/4" Conduit Hub, CROUSE-HINDS #ST-2	EA	3	0%	3	0.500	\$ 30.72	\$ 15.36	\$ 18.50	\$ 33.86	\$ 101.58	
143			Emergency Light, Bat Backup, CROUSE-HINDS #AP708RWHHD	EA	3	0%	3	1.250	\$ 30.72	\$ 38.40	\$ 150.24	\$ 188.64	\$ 565.92	
144			110V, 60W LED Fixture, PART: #FNLED5CRSAD, ATX FNLED, APPLETON (Supplied And Installed By I&E Contractor)	EA	18	0%	18	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -	
145			Exit Emergency Light w/Battery Backup, LITHONIA LIGHTING #LHQM-S-W-3-R (Supplied And Installed By I&E Contractor)	EA	4	0%	4	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -	
146			400W, 75WATT LED Wall Pack Lighting, AMLGL6GGBU AREA MASTER GEN 2, APPLETON (Supplied And Installed By I&E Contractor)	EA	9	0%	9	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -	
147			L18A: Flood Light Fixture 30K Lumens 250 Watts Appleton #AMLHL3CF6 W/ACCESSORY #FLX1TPT20DB And BULLHORN #FLX2LBH20DB	EA	1	0%	1	1.850	\$ 30.72	\$ 56.83	\$ 3,450.00	\$ 3,506.83	\$ 3,506.83	
148			3/4" Straight Flex Conduit Fitting	EA	2	0%	2	0.300	\$ 30.72	\$ 9.22	\$ 20.50	\$ 29.72	\$ 59.43	
149			Pole top Bracket For 2 Lights, KW POLES #FA2180-36-2-KZ41-2	EA	1	0%	1	0.600	\$ 30.72	\$ 18.43	\$ 115.50	\$ 133.93	\$ 133.93	
150			Pole top Bracket For 3 Lights, KW POLES #FA3180-36-2-KZ41-2	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ 156.50	\$ 181.08	\$ 181.08	
151		Supplied And Installed By I&E Contractor	4"x4" Square Steel Break-Over Pole With 2" Tenon, 20' Tall KW #THSP20-4.00-7-KZ41-2	EA	1	0%	1	2.500	\$ 30.72	\$ 76.80	\$ 1,150.00	\$ 1,226.80	\$ 1,226.80	
152			Ground Sleeve	EA	1	0%	1	0.160	\$ 30.72	\$ 4.92	\$ 38.50	\$ 43.42	\$ 43.42	
153			Conduit Sleeve, 1" PVC SCHEDULE 40	EA	1	0%	1	0.160	\$ 30.72	\$ 4.92	\$ 10.85	\$ 15.77	\$ 15.77	
154			Fitting, 24" Radius Elbow Rigid Galvanized Steel, 40 MIL PVC COATED	EA	2	0%	2	2.120	\$ 30.72	\$ 65.13	\$ 1,850.00	\$ 1,915.13	\$ 3,830.25	
155			Fitting, Conduit Grounding Bushing	EA	2	0%	2	0.280	\$ 30.72	\$ 8.60	\$ 20.50	\$ 29.10	\$ 58.20	
156			Lowering Winch, Only One Needed Per Installation	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ 200.00	\$ 230.72	\$ 230.72	
157			L18B: Flood Light Fixture 30K Lumens 250 Watts Appleton #AMLHL3CF6 W/ACCESSORY #FLX1TPT20DB And BULLHORN #FLX2LBH20DB	EA	2	0%	2	1.850	\$ 30.72	\$ 56.83	\$ 3,450.00	\$ 3,506.83	\$ 7,013.66	
158			3/4" Straight Flex Conduit Fitting	EA	4	0%	4	0.300	\$ 30.72	\$ 9.22	\$ 20.50	\$ 29.72	\$ 118.86	
159			Pole top Bracket For 2 Lights, KW POLES #FA2180-36-2-KZ41-2	EA	1	0%	1	0.600	\$ 30.72	\$ 18.43	\$ 115.50	\$ 133.93	\$ 133.93	
160			Pole top Bracket For 3 Lights, KW POLES #FA3180-36-2-KZ41-2	EA	2	0%	2	0.800	\$ 30.72	\$ 24.58	\$ 156.50	\$ 181.08	\$ 362.15	
161		Supplied And Installed By I&E Contractor	4"x4" Square Steel Break-Over Pole With 2" Tenon, 20' Tall KW #THSP20-4.00-7-KZ41-2	EA	1	0%	1	2.500	\$ 30.72	\$ 76.80	\$ 1,150.00	\$ 1,226.80	\$ 1,226.80	
162			Ground Sleeve	EA	1	0%	1	0.160	\$ 30.72	\$ 4.92	\$ 38.50	\$ 43.42	\$ 43.42	
163			Conduit Sleeve, 1" PVC SCHEDULE 40	EA	1	0%	1	0.160	\$ 30.72	\$ 4.92	\$ 10.85	\$ 15.77	\$ 15.77	
164			Fitting, 24" Radius Elbow Rigid Galvanized Steel, 40 MIL PVC COATED	EA	2	0%	2	2.120	\$ 30.72	\$ 65.13	\$ 1,850.00	\$ 1,915.13	\$ 3,830.25	
165			Fitting, Conduit Grounding Bushing	EA	2	0%	2	0.280	\$ 30.72	\$ 8.60	\$ 20.50	\$ 29.10	\$ 58.20	
166			Lowering Winch, Only One Needed Per Installation	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ 200.00	\$ 230.72	\$ 230.72	
167			L18C: Flood Light Fixture 30K Lumens 250 Watts Appleton #AMLHL3CF6 W/ACCESSORY #FLX1TPT20DB And BULLHORN #FLX2LBH20DB	EA	3	0%	3	1.850	\$ 30.72	\$ 56.83	\$ 3,450.00	\$ 3,506.83	\$ 10,520.50	
168			3/4" Straight Flex Conduit Fitting	EA	6	0%	6	0.30						

DETAILED BREAKDOWN OF ITEMS														
Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039														
Project ID: 14052026														
Scope: Electrical & Instruments														
											Date: 09/28/26			
SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST	
197			L13: Fixture, 60W LED, 100-277 VAC, Appleton #NLEDSCBUSAD, ATX FNLED Series, 5000K, CT 5000K	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ 2,400.54	\$ 2,446.62	\$ 2,446.62	
198			3/4" Conduit Clamp	EA	1	0%	1	0.140	\$ 30.72	\$ 4.30	\$ 7.50	\$ 11.80	\$ 11.80	
199			3/4" Conduit Tee, Crouse-Hinds #GUAT26	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ 142.50	\$ 173.22	\$ 173.22	
200			Beam Clamp For 1 5/8" x 1 5/8" Channel (UNISTRUT)	EA	2	0%	2	0.220	\$ 30.72	\$ 6.76	\$ 8.50	\$ 15.26	\$ 30.52	
201			1 5/8" x 1 5/8" Channel (UNISTRUT)	EA	1	0%	1	0.250	\$ 30.72	\$ 7.68	\$ 17.52	\$ 25.20	\$ 25.20	
202			3/8" Spring Nuts, Hex Head Bolts, Washers And Lock washers	EA	1	0%	1	0.200	\$ 30.72	\$ 6.14	\$ 4.57	\$ 10.71	\$ 10.71	
203			L14: Fixture, 70W LED, 120-277VAC, Appleton #AMLGL60GBU Area master Generation 2 LED Series, CT 2000K, LUMEN LEVEL 9K	EA	1	0%	1	1.850	\$ 30.72	\$ 56.83	\$ 1,468.58	\$ 1,525.41	\$ 1,525.41	
204			3/8" Stainless Steel Hardware	EA	4	0%	4	0.080	\$ 30.72	\$ 2.46	\$ 2.25	\$ 4.71	\$ 18.83	
205			Wall Mount Bracket	EA	1	0%	1	1.100	\$ 30.72	\$ 33.79	\$ 34.50	\$ 68.29	\$ 68.29	
206			GUAC59 With 1 Reducer RE51 And 1 Reducer RE52	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ 888.00	\$ 918.72	\$ 918.72	
207			1/2" Flexible Conduit Connector	EA	4	0%	4	0.300	\$ 30.72	\$ 9.22	\$ 8.25	\$ 17.47	\$ 69.86	
208			1/2" J-Hook	EA	4	0%	4	0.240	\$ 30.72	\$ 7.27	\$ 7.85	\$ 15.22	\$ 60.89	
209			1/2" Stainless Steel Hardware	EA	4	0%	4	0.100	\$ 30.72	\$ 3.07	\$ 3.50	\$ 6.57	\$ 26.28	
210			Slip fitter Yoke Mounted	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ 100.00	\$ 115.36	\$ 115.36	
211			Flexible Liquid tight Metal, Conduit, 1/2", Anaconda Type U.A.	EA	1	0%	1	0.260	\$ 30.72	\$ 7.99	\$ 20.50	\$ 28.49	\$ 28.49	
212			3/8" Steel Plate, Size As Required.	EA	1	0%	1	0.200	\$ 30.72	\$ 6.14	\$ 34.61	\$ 40.75	\$ 40.75	
LIGHTING CONTROL														
213			3-Way Switch	EA	7	0%	7	0.320	\$ 30.72	\$ 9.83	\$ 28.50	\$ 38.33	\$ 268.31	
214			UCG-9161 480V Lighting Contactor/Panel, GE/EATON (Supplied And Installed By I&E Contractor)	EA	1	0%	1	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -	
215			Manual Bypass Switch, La MARCHÉ MBSW-100A-MB4B-4P (Supplied By Electrical AUX Building Vendor & Installed By TBD)	EA	1	0%	1	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -	
216			110V, 3-Way Switch, LEGRAND #CSB20AC3-W (Supplied And Installed By I&E Contractor)	EA	6	0%	6	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -	
217			110V, 4-WAY SWITCH, LEGRAND #CSB20AC4-W (Supplied And Installed By I&E Contractor)	EA	2	0%	2	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -	
218			480V Photocell, INTERMATIC #K4135 (Supplied And Installed By I&E Contractor)	EA	1	0%	1	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -	
219			110V, Single-Way Switch, LEGRAND #CSB20AC1-W (Supplied And Installed By I&E Contractor)	EA	1	0%	1	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -	
220			Photocell, EATON #D2S20 CLASSI, DIV2 With Surface Mounted Box 1" #HUB-FS2B	EA	1	0%	1	2.000	\$ 30.72	\$ 61.44	\$ 1,250.50	\$ 1,311.94	\$ 1,311.94	
221			120/30A Electrically Held Switching Contactor, ECL03C2A9A	EA	1	0%	1	5.500	\$ 30.72	\$ 168.96	\$ 5,210.50	\$ 5,379.46	\$ 5,379.46	
MISCELLANEOUS														
222	388-31-E174.5		Pull Box 4x4 With Cover, OLDCASTLE	EA	1	0%	1	6.500	\$ 30.72	\$ 199.68	\$ 3,850.00	\$ 4,049.68	\$ 4,049.68	
223			Pull Vault 4x4x5 With Cover, OLDCASTLE	EA	1	0%	1	7.850	\$ 30.72	\$ 241.15	\$ 4,780.40	\$ 5,021.55	\$ 5,021.55	
											SUBTOTAL			\$ 2,975,368
COMMUNICATION														
TELECOMMUNICATION														
CABLE TRAY														
224			12" Straight Section Aluminum, EATON B-LINE H46A06-12-240	LF	520	5%	546	0.160	\$ 30.72	\$ 4.92	\$ 124.50	\$ 129.42	\$ 70,660.70	
225			18" Straight Section Aluminum, EATON B-LINE H46A06-18-240	LF	120	5%	126	0.200	\$ 30.72	\$ 6.14	\$ 144.75	\$ 150.89	\$ 19,012.64	
226			36" Straight Section Aluminum, EATON B-LINE H46A06-36-240	LF	700	5%	735	0.260	\$ 30.72	\$ 7.99	\$ 210.50	\$ 218.49	\$ 160,588.09	
CABLE TRAY ACCESSORIES														
227			12" Vertical Out Bend 90°, EATON B-LINE 6A-12-90V012	EA	2	0%	2	1.400	\$ 30.72	\$ 43.01	\$ 1,330.00	\$ 1,373.01	\$ 2,746.02	
228			36" Vertical Out Bend 90°, EATON B-LINE 6A-36-90V012	EA	6	0%	6	2.500	\$ 30.72	\$ 76.80	\$ 1,650.00	\$ 1,726.80	\$ 10,360.80	
229			12" Vertical In Bend 90°, EATON B-LINE 6A-12-90V112	EA	4	0%	4	1.400	\$ 30.72	\$ 43.01	\$ 1,450.00	\$ 1,493.01	\$ 5,972.03	
230			18" Vertical In Bend 90°, EATON B-LINE 6A-18-90V112	EA	1	0%	1	1.850	\$ 30.72	\$ 56.83	\$ 1,560.00	\$ 1,616.83	\$ 1,616.83	
231			36" Vertical In Bend 90°, EATON B-LINE 6A-36-90V112	EA	6	0%	6	2.500	\$ 30.72	\$ 76.80	\$ 1,750.00	\$ 1,826.80	\$ 10,960.80	
232			36" Horizontal Bend 90°, EATON B-LINE 6A-36-90HB12	EA	12	0%	12	2.500	\$ 30.72	\$ 76.80	\$ 1,880.00	\$ 1,956.80	\$ 23,481.60	
233			12" Horizontal Tee, EATON B-LINE 6A-12-90HT12	EA	5	0%	5	1.350	\$ 30.72	\$ 41.47	\$ 1,300.18	\$ 1,341.65	\$ 6,708.26	
234			18" Horizontal Tee, EATON B-LINE 6A-18-90HT12	EA	2	0%	2	1.650	\$ 30.72	\$ 50.69	\$ 1,850.00	\$ 1,900.69	\$ 3,801.38	
235			36" Horizontal Tee, EATON B-LINE 6A-36-90HT12	EA	8	0%	8	2.500	\$ 30.72	\$ 76.80	\$ 2,150.00	\$ 2,226.80	\$ 17,814.40	
236			Straight Section Barrier Strip, EATON B-LINE 757P-144	EA	88	0%	88	1.000	\$ 30.72	\$ 30.72	\$ 525.50	\$ 556.22	\$ 48,947.36	
237			Vertical Out 90° Barrier Strip, EATON B-LINE 757P-90V012	EA	8	0%	8	1.500	\$ 30.72	\$ 46.08	\$ 400.50	\$ 446.58	\$ 3,572.64	
238			Vertical In 90° Barrier Strip, EATON B-LINE 757P-90V112	EA	11	0%	11	1.500	\$ 30.72	\$ 46.08	\$ 562.50	\$ 608.58	\$ 6,694.38	
239			Horizontal Bend 90° Barrier Strip, EATON B-LINE 757P-90HBFL	EA	10	0%	10	1.250	\$ 30.72	\$ 38.40	\$ 325.50	\$ 363.90	\$ 2,630.60	
240			12" Straight Ventilated Cover, EATON B-LINE 817A-12-240	EA	31	0%	31	1.000	\$ 30.72	\$ 30.72	\$ 450.50	\$ 481.22	\$ 14,917.82	
241			36" Straight Ventilated Cover, EATON B-LINE 817A-36-240	EA	31	0%	31	2.250	\$ 30.72	\$ 69.12	\$ 895.50	\$ 964.62	\$ 29,903.22	
242			12" Vertical Out 90° Ventilated Cover, EATON B-LINE 817A-12-90V012	EA	2	0%	2	1.000	\$ 30.72	\$ 30.72	\$ 256.50	\$ 287.22	\$ 574.44	
243			36" Vertical Out 90° Ventilated Cover, EATON B-LINE 817A-36-90V012	EA	4	0%	4	1.500	\$ 30.72	\$ 46.08	\$ 510.50	\$ 556.58	\$ 2,226.32	
244			12" Vertical In 90° Ventilated Cover, EATON B-LINE 817A-12-90V112	EA	4	0%	4	1.000	\$ 30.72	\$ 30.72	\$ 790.50	\$ 821.22	\$ 3,284.88	
245			36" Vertical In 90° Ventilated Cover, EATON B-LINE 817A-36-90V112	EA	6	0%	6	1.500	\$ 30.72	\$ 46.08	\$ 1,150.00	\$ 1,196.08	\$ 7,176.48	
246			36" Horizontal 90° Ventilated Cover, EATON B-LINE 817A-36-90HB12	EA	2	0%	2	2.500	\$ 30.72	\$ 76.80	\$ 1,214.81	\$ 1,291.61	\$ 2,583.22	
247			12" Frame Type Box Connector, ROYTEC GH 6x3 GALV	EA	3	0%	3	1.000	\$ 30.72	\$ 30.72	\$ 774.50	\$ 805.22	\$ 2,415.66	
248			36" Frame Type Box Connector, ROYTEC GH 6x6x3 GALV	EA	5	0%	5	1.850	\$ 30.72	\$ 56.83	\$ 1,850.00	\$ 1,906.83	\$ 9,534.16	
SECURITY														
DEVICES														
249		Supplied By Electrical AUX Building Vendor & Installed By TBD	Intrusion Switch, #284ST-M, GE SECURITY	EA	5	0%	5	1.250	\$ 30.72	\$ 38.40	\$ -	\$ 38.40	\$ 192.00	
250			Lead Lag Controller, ITEM #27	EA	4	0%	4	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 276.48	
TUBING														
TUBING														
251			1/4" Dia S.S Tubing	LF	1060	5%	1113	0.041	\$ 30.72	\$ 1.26	\$ 2.97	\$ 4.23	\$ 4,707.46	
252			3/8" Dia S.S Tubing	LF	200	5%	210	0.062	\$ 30.72	\$ 1.90	\$ 5.66	\$ 7.56	\$ 1,587.87	
253			1/2" Dia S.S Tubing	LF	320	5%	336	0.076	\$ 30.72	\$ 2.33	\$ 8.50	\$ 10.83	\$ 3,640.47	
254			3/4" Dia S.S Tubing	LF	160	5%	168	0.084	\$ 30.72	\$ 2.58	\$ 14.50	\$ 17.08	\$ 2,869.52	
HEAT TRACE (400 - 500/400)														
CONDUCTOR														
255			BW/t, 120V Self-Reg Heating Cable (CLASS 1 DIV 2), 8BTV1-CT	LF	470	5%	494	0.084	\$ 30.72	\$ 2.58	\$ 27.78	\$ 30.36	\$ 14,982.90	
DEVICES														
256			Above-Insulation Lighted End Seal Kit (CLASS 1 DIV 2), E-100-L-A	EA	5	0%	5	1.250	\$ 30.72	\$ 38.40	\$ 361.19	\$ 399.59	\$ 1,997.95	
257			Single-Entry Power Kit With Junction Box (CLASS 1 DIV 2), JBS-100A	EA	4	0%	4	1.500	\$ 30.72	\$ 46.08	\$ 473.50	\$ 519.58	\$ 2,078.32	
258			Double-Entry Power Kit With Junction Box (CLASS 1 DIV 2), JBM-100A	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ 625.50	\$ 694.62	\$ 694.62	
259			0-49°C HAZ, Thermostat (99-12VAC), ETS-05-A1-R-P	EA	4	0%	4	1.350	\$ 30.72	\$ 41.47	\$ 1,450.50	\$ 1,491.97	\$ 5,967.89	
260			Electric Tinned Label for metal pipes and tanks, ETI-EXT LSH	EA	19	0%	19	0.500	\$ 30.72	\$ 15.36	\$ 20.50	\$ 35.86	\$ 681.34	
261			Glass Tape (6 ft/roll) (not for stain less-steel pipe), CT-66	EA	4	0%	4	0.200	\$ 30.72	\$ 6.14	\$ 24.47	\$ 30.61	\$ 122.46	
262			Pipe Strap 1 inch to 3 inch, PS-3	EA	8	0%	8	0.120	\$ 30.72	\$ 3.69	\$ 11.50	\$ 15.19	\$ 121.49	
263			RTD WITH 10FT S/S Corrugated SHLD, RTD 10CS	EA	4	0%	4	0.160	\$ 30.72	\$ 4.92	\$ 18.50	\$ 23.42	\$ 93.66	
264			BE 20AMP, 30mA GFEP BREAKER, 1-Pole, Bolt ON, 10KAIC, THQB-GFT	EA	4	0%	4	0.800	\$ 30.72	\$ 24.58	\$ 190.50	\$ 215.08	\$ 860.30	
INSTRUMENTATION														
CONDUIT														
265			3/4" RGS Conduit	LF	13373	5%	14042	0.053	\$ 30.72	\$ 1.62	\$ 3.84	\$ 5.46	\$ 76,720.59	
266			1" RGS Conduit	LF	860	5%	9248	0.060	\$ 30.72	\$ 1.83	\$ 6.25	\$ 8.08	\$ 74,754.27	
267			1-1/2" RGS Conduit	LF	2619	5%	2750	0.076	\$ 30.72	\$ 5.90	\$ 23.87	\$ 30.77	\$ 28,033.12	
268			2" RGS Conduit	LF	520	5%	546	0.102	\$ 30.72	\$ 3.14	\$ 15.79	\$ 18.93	\$ 10,337.23	
CONDUCTOR														
269			1PRB16 AWG - 600V 90 Deg. - TC-UL, OKONITE, 264-60-4401	LF	24058	5%	25261	0.018	\$ 30.72	\$ 0.55	\$ 0.89	\$ 1.44	\$ 36,450.47	
270			1TPR16 AWG - 600V 90 Deg. - TC-UL	LF	10328	5%	10844	0.018	\$ 30.72	\$ 0.55	\$ 0.89	\$ 1.44	\$ 15,647.58	
271			2PRB16 AWG - 600V 90 Deg. - TC-UL	LF	2960	5%	3108	0.024	\$ 30.72	\$ 0.74	\$ 1.17	\$ 1.91	\$ 5,927.83	
272			4PRB16 AWG - 600V 90 Deg. - TC-UL	LF	9152	5%	9609	0.030	\$ 30.72	\$ 0.92	\$ 2.30	\$ 3.22	\$ 30,967.10	
273			8PRB16 AWG - 600V 90 Deg. - TC-UL	LF	2145	5%	2252	0.036	\$ 30.72	\$ 1.11	\$ 4.82	\$ 5.93	\$ 13,347.90	
274			16PRB16 AWG - 600V 90 Deg. - TC-UL	LF	649	5%	682	0.072	\$ 30.72	\$ 2.21	\$ 8.99	\$ 11.20	\$ 7,637.02	
275			12TRB16 AWG - 600V 90 Deg. - TC-UL, 12 ft/roll, 50 um multimode (OM3)	LF	1138	5%	1195	0.045	\$ 30.72	\$ 1.38	\$ 7.50	\$ 8.88	\$ 10,613.36	
276			CAT6 U/UTP 4PR23 AWG - LSZH	LF	3000	5%	3150	0.021	\$ 30.72	\$ 0.65	\$ 3.93	\$ 4.58	\$ 14,411.03	
277			CAT6 U/UTP 4PR23 AWG - LSZH	LF	12600	5%	132320							

DETAILED BREAKDOWN OF ITEMS													
Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039													
Project ID: 14052026													
Scope: Electrical & Instruments													
Date: 09/28/26												+1 (214) 556-2605	
SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
299		Purchased By KM	DPIT-0801: DIFF PRESSURE TRANSMITTER, ROSEMOUNT 3051CD3A02A1AS5E5M5Q4Q8T1 HR7 (IDD 01-04)	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
300			RO-100A: RESTRICTION ORIFICE, ROSEMOUNT 1495PC160A9SD1050BCW R3PH FJQ8	EA	1	0%	1	0.850	\$ 30.72	\$ 26.11	\$ -	\$ 26.11	\$ 26.11
301			RO-101A: RESTRICTION ORIFICE, ROSEMOUNT 1495PC160A9SD1050BCW R3PH Q8BY KM Installed ByTBC	EA	1	0%	1	0.850	\$ 30.72	\$ 26.11	\$ -	\$ 26.11	\$ 26.11
302			PIT-0831: PRESSURE TRANSMITTER, ROSEMOUNT 30515ZTG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7 (IDD 01-06)	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
303			TE-0830: TEMPERATURE ELEMENT (RTD), ROSEMOUNT 214CRH8MB153E0077SLE5AT1C 3B1WDV20Q4XW (IDD 02-04)	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
304			TW-0830: THERMOWELL,, ROSEMOUNT 114CE00607AB2SC017AQ8R21X W (IDD 02-04)	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
305		Purchased By SIEMENS (COMP # UNIT)	DPIT-0831: DIFF PRESSURE TRANSMITTER, ROSEMOUNT 3051CD3A02A1AS5E5M5Q4Q8T1 HR7 (IDD 01-04)	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
306			RO-200A: RESTRICTION ORIFICE, ROSEMOUNT 1495LC120RFS07000BCW R3PH FJQ8	EA	1	0%	1	0.850	\$ 30.72	\$ 26.11	\$ -	\$ 26.11	\$ 26.11
307			RO-201A: RESTRICTION ORIFICE, ROSEMOUNT 1495LC120RFS07100BCW R3PH FJQ8	EA	1	0%	1	0.850	\$ 30.72	\$ 26.11	\$ -	\$ 26.11	\$ 26.11
308			TE-262: TEMPERATURE ELEMENT (RTD), CONAX & 10-1287-1	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
309			TW-262: THERMOWELL, TBC	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
310			TE-272: TEMPERATURE ELEMENT (RTD), CONAX 10-1286-1	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
311			TW-272: THERMOWELL, ALLOY ENGINEERING 260 FH-47	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
312			RO-82S: RESTRICTION ORIFICE, TBC	EA	1	0%	1	0.850	\$ 30.72	\$ 26.11	\$ -	\$ 26.11	\$ 26.11
313			RO-82D: RESTRICTION ORIFICE, TBC	EA	1	0%	1	0.850	\$ 30.72	\$ 26.11	\$ -	\$ 26.11	\$ 26.11
314			TE-264: TEMPERATURE ELEMENT (RTD), CONAX & 10-1287-1	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
315			TW-264: THERMOWELL, TBC	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
316			TE-274: TEMPERATURE ELEMENT (RTD), CONAX 10-1286-1	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
317			TW-274: THERMOWELL, ALLOY ENGINEERING 260 FH-47	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
318			RO-84S: RESTRICTION ORIFICE, TBC	EA	1	0%	1	0.850	\$ 30.72	\$ 26.11	\$ -	\$ 26.11	\$ 26.11
319			RO-84D: RESTRICTION ORIFICE, TBC	EA	1	0%	1	0.850	\$ 30.72	\$ 26.11	\$ -	\$ 26.11	\$ 26.11
320			TE-266: TEMPERATURE ELEMENT (RTD), CONAX & 10-1287-1	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
321			TW-266: THERMOWELL, TBC	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
322			TE-276: TEMPERATURE ELEMENT (RTD), CONAX 10-1286-1	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
323			TW-276: THERMOWELL, ALLOY ENGINEERING 260 FH-47	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
324			RO-86S: RESTRICTION ORIFICE, TBC	EA	1	0%	1	0.850	\$ 30.72	\$ 26.11	\$ -	\$ 26.11	\$ 26.11
325			RO-86D: RESTRICTION ORIFICE, TBC	EA	1	0%	1	0.850	\$ 30.72	\$ 26.11	\$ -	\$ 26.11	\$ 26.11
326			LIT-8101: LEVEL TRANSMITTER, ROSEMOUNT 5301HA1P1NA4E030ACESMT11 Q8	EA	1	0%	1	1.560	\$ 30.72	\$ 47.92	\$ -	\$ 47.92	\$ 47.92
327			LSHB-8102: LEVEL SWITCH, MAGTECH MLS-3EX-MAZZZS1C1E8	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
328			LSL-8103: LEVEL SWITCH, MAGTECH MLS-3EX-MAZZZS1C1E8	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
329			LG-8104: LEVEL GAUGE, MAGTECH 9935B3AC3A54E018006ACADL8 B5Q8R1B	EA	1	0%	1	1.320	\$ 30.72	\$ 40.55	\$ -	\$ 40.55	\$ 40.55
330		Purchased By PEERLESS (V-8100)	PI-8105: PRESSURE GAUGE, ASHCROFT 45-1279-S-SL-04L-XSG / 2000	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
331			DPIT-8100: DIFF PRESSURE TRANSMITTER, ROSEMOUNT 30515ZCD3A2A11A1A5E5M5Q4Q8 T1	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
332			TI-8106: THERMOMETER, ASHCROFT 50EL42E060 YW	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
333			TW-8106: THERMOWELL, ASHCROFT 10W 0450HT260S	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
334			LCV-8101: CONTROL VALVE, FISHER D4 / DVC6200	EA	1	0%	1	3.000	\$ 30.72	\$ 92.16	\$ -	\$ 92.16	\$ 92.16
335		Purchased By PEERLESS (V-8300)	SVO-8101: SOLENOID, ASCO E8320G176	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54
336			PSV-8300: PRESSURE SAFETY VALVE, AGCO 8351M88-8	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 19.97
337			LIT-8301: LEVEL TRANSMITTER, ROSEMOUNT 5301HA1P1NA4E030ACESMT11 Q8	EA	1	0%	1	1.560	\$ 30.72	\$ 47.92	\$ -	\$ 47.92	\$ 47.92
338			LSHB-8302: LEVEL SWITCH, MAGTECH MLS-3EX-MAZZZS1C1E8	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
339			LSL-8303: LEVEL SWITCH, MAGTECH MLS-3EX-MAZZZS1C1E8	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
340			LG-8304: LEVEL GAUGE, MAGTECH 9935B3AC3A54E018006ACADL8 B5Q8R1B	EA	1	0%	1	1.320	\$ 30.72	\$ 40.55	\$ -	\$ 40.55	\$ 40.55
341			PI-8305: PRESSURE GAUGE, ASHCROFT 45-1279-S-SL-04L-XSG / 2000	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
342			DPIT-8300: DIFF PRESSURE TRANSMITTER, ROSEMOUNT 30515ZCD3A2A11A1A5E5M5Q4Q8 T1	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
343			TI-8306: THERMOMETER, ASHCROFT 50EL42E060 YW	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
344			TW-8306: THERMOWELL, ASHCROFT 10W 0450HT260S	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
345		LCV-8301: CONTROL VALVE, FISHER D4 / DVC6200	EA	1	0%	1	3.000	\$ 30.72	\$ 92.16	\$ -	\$ 92.16	\$ 92.16	
346		Purchased By PEERLESS (V-8300)	SVO-8301: SOLENOID, ASCO E8320G176	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54
347			BV-0801: ON-OFF VALVE, T.R.P. TBC	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 15.36
348			SVC-0801: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54
349			SVO-0801: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54
350			ZSC-0801: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
351			ZSO-0801: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
352			BV-0806: ON-OFF VALVE, EMERSON TBC (IDD 05-04) & (IDD 05-07)	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 15.36
353			SVO-0806: SOLENOID, PETER PAUL E24HJ9ZCCM, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
354			ZSC-0806: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
355			ZSO-0806: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
356		RO-0806: RESTRICTION ORIFICE, ROSEMOUNT 1495PC20AAS-A0100BCW R3PH Q8	EA	1	0%	1	0.850	\$ 30.72	\$ 26.11	\$ -	\$ 26.11	\$ 26.11	
357		Purchased By PEERLESS (V-8300)	BV-0802: ON-OFF VALVE, T.R.P. TBC	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 15.36
358			SVC-0802: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54
359			SVO-0802: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54
360			ZSC-0802: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
361			ZSO-0802: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
362			BV-0803: ON-OFF VALVE, T.R.P. TBC	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 15.36
363			SVC-0803: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54
364			SVO-0803: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54
365			ZSC-0803: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
366			ZSO-0803: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
367		RO-0803: RESTRICTION ORIFICE, ROSEMOUNT 1495PC20AAS-A0100BCW R3PH Q8	EA	1	0%	1	0.850	\$ 30.72	\$ 26.11	\$ -	\$ 26.11	\$ 26.11	
368		Purchased By PEERLESS (V-8300)	RO-0803: RESTRICTION ORIFICE, ROSEMOUNT 1495PC20AAS-A0100BCW R3PH Q8	EA	1	0%	1	0.850	\$ 30.72	\$ 26.11	\$ -	\$ 26.11	\$ 26.11
369			RO-0804: RESTRICTION ORIFICE, ROSEMOUNT 1495LC20RSC02020BCW R3PH FJQ8	EA	1	0%	1	0.850	\$ 30.72	\$ 26.11	\$ -	\$ 26.11	\$ 26.11
370			RO-0804: RESTRICTION ORIFICE, ROSEMOUNT 1495LC20RSC02020BCW R3PH FJQ8	EA	1	0%	1	0.850	\$ 30.72	\$ 26.11	\$ -	\$ 26.11	\$ 26.11
371			BV-0804: ON-OFF VALVE, DELTA TBC	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 15.36
372			SVC-0804: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54
373			SVO-0804: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54
374			ZSC-0804: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
375			ZSO-0804: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
376			BV-0805: ON-OFF VALVE, DELTA TBC	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 15.36
37													

DETAILED BREAKDOWN OF ITEMS													
Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039				Project ID: 14052026				 +1 (214) 556-2605					
Scope: Electrical & Instruments				Date: 09/28/26									
SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOOR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
390		Purchased By KM	BPV-0809: ON-OFF VALVE, EMERSON TBC (IDD 05-04) & (IDD 05-07)	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 15.36
391			SVO-0809: SOLENOID, PETER PAUL E24H9ZCCM, ASSEMBLED WITH VALVE	EA	1	0%	1	1.150	\$ 30.72	\$ 35.33	\$ -	\$ 35.33	\$ 35.33
392			ZSC-0809: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
393			ZSO-0809: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
394			BDV-0810: ON-OFF VALVE, EMERSON TBC (IDD 05-04) & (IDD 05-07)	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 15.36
395		Purchased By KM	SVC-0810: SOLENOID, PETER PAUL E24H9ZCCM, ASSEMBLED WITH VALVE	EA	1	0%	1	1.150	\$ 30.72	\$ 35.33	\$ -	\$ 35.33	\$ 35.33
396			ZSC-0810: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
397			ZSO-0810: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
398			BDV-0811: ON-OFF VALVE, EMERSON TBC (IDD 05-04) & (IDD 05-07)	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 15.36
399			SVC-0811: SOLENOID, PETER PAUL E24H9ZCCM, ASSEMBLED WITH VALVE	EA	1	0%	1	1.150	\$ 30.72	\$ 35.33	\$ -	\$ 35.33	\$ 35.33
400		Purchased By KM	ZSC-0811: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
401			ZSO-0811: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
402			PTI-0802: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7(BY KM Installed By 388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
403			PTI-0803: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7(BY KM Installed By 388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
404			PTI-0804: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7(BY KM Installed By 388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
405		Purchased By KM	PTI-0805: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7(BY KM Installed By 388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
406			PTI-0806: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7(BY KM Installed By 388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
407			PTI-0808: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7(BY KM Installed By 388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
408			PTI-0809: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7(BY KM Installed By 388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
409			PTI-0810: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7(BY KM Installed By 388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
410		Purchased By Kingtong (V-8200)	PTI-0814: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7(BY KM Installed By 388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
411			PSHI-0803: PRESSURE SWITCH, NEO-DYN 231P46CC6(BY KM Installed By 388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1	0%	1	1.250	\$ 30.72	\$ 38.40	\$ -	\$ 38.40	\$ 38.40
412			PSHI-0804: PRESSURE SWITCH, NEO-DYN 231P46CC6(BY KM Installed By 388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1	0%	1	1.250	\$ 30.72	\$ 38.40	\$ -	\$ 38.40	\$ 38.40
413			PI-0801: PRESSURE GAUGE, ASHCROFT 451279SSL04LXNHSG4000M(BY KM Installed By 388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
414			PI-0802: PRESSURE GAUGE, ASHCROFT 451279SSL04LXNHSG2000M(BY KM Installed By 388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
415		Purchased By Kingtong (V-8400)	PI-0812: PRESSURE GAUGE, ASHCROFT 451279SSL04LXNHSG4000M(BY KM Installed By 388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
416			PI-0813: PRESSURE GAUGE, ASHCROFT 451279SSL04LXNHSG2000M(BY KM Installed By 388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
417			PSV-8100: PRESSURE SAFETY VALVE, TBC	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 19.97
418			PSV-8005: PRESSURE SAFETY VALVE, TBC	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 19.97
419			PSV-8006: PRESSURE SAFETY VALVE, TBC	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 19.97
420		Purchased By Kingtong (V-8400)	LIT-8201: LEVEL TRANSMITTER, ROSEMOUNT 9030074BAE1102475SD1FBH05B 8AZB8AZF01200C0ZZ	EA	1	0%	1	1.560	\$ 30.72	\$ 47.92	\$ -	\$ 47.92	\$ 47.92
421			LSHI-8202: LEVEL SWITCH, ROSEMOUNT ML3EX-MAZZZS1C1E8 381WV20Q4XW(BY KM Installed By 388-50-E167 (IDD 02-04) 388-50-E167 (IDD 07-03)	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
422			LSL-8403: LEVEL SWITCH, ROSEMOUNT MLS3EX-MAZZZS1C1E8 381WV20Q4XW(BY KM Installed By 388-50-E167 (IDD 02-04) 388-50-E167 (IDD 07-03)	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
423			L-G-8404: LEVEL GAUGE, ROSEMOUNT 9930085BAF1E02475SD1FBH05B 8AZB8AZF01200C0ZZ	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
424			PI-8205: PRESSURE GAUGE, ASHCROFT 45-1009-S-L-04-B-2000	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
425		Purchased By Kingtong (V-8400)	TI-8206: THERMOMETER, ASHCROFT 50-EI-60E-040	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
426			TW-8206: THERMOWELL, ASHCROFT 10W 0250 HT 260 C	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
427			LCV-8201: CONTROL VALVE, FISHER D4 / DVC6200	EA	1	0%	1	3.000	\$ 30.72	\$ 92.16	\$ -	\$ 92.16	\$ 92.16
428			SVO-8201: SOLENOID, ASCO 535-1510566	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54
429			PRV-8201: PRESSURE REGULATOR, FISHER 67CPR	EA	1	0%	1	1.440	\$ 30.72	\$ 44.24	\$ -	\$ 44.24	\$ 44.24
430		Purchased By Kingtong (V-8400)	PSV-8200: PRESSURE SAFETY VALVE, AGCO 83S1MB8-6	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 19.97
431			LIT-8401: LEVEL TRANSMITTER, ROSEMOUNT 9030085BAF1E02475SD1FBH05B 8AZB8AZF01200C0ZZ	EA	1	0%	1	1.560	\$ 30.72	\$ 47.92	\$ -	\$ 47.92	\$ 47.92
432			LSHI-8402: LEVEL SWITCH, ROSEMOUNT ML3EX-MAZZZS1C1E8 381WV20Q4XW(BY KM Installed By 388-50-E167 (IDD 02-04) 388-50-E167 (IDD 07-03)	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
433			LSL-8403: LEVEL SWITCH, ROSEMOUNT MLS3EX-MAZZZS1C1E8 381WV20Q4XW(BY KM Installed By 388-50-E167 (IDD 02-04) 388-50-E167 (IDD 07-03)	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
434			L-G-8404: LEVEL GAUGE, ROSEMOUNT 9930085BAF1E02475SD1FBH05B 8AZB8AZF01200C0ZZ	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
435		Purchased By Kingtong (V-8400)	PI-8405: PRESSURE GAUGE, ASHCROFT 45-1009-S-L-04-B-3000	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
436			TI-8406: THERMOMETER, ASHCROFT 50-EI-60E-040	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
437			TW-8406: THERMOWELL, ASHCROFT 10W 0250 HT 260 C	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
438			LCV-8401: CONTROL VALVE, FISHER D4 / DVC6200	EA	1	0%	1	3.000	\$ 30.72	\$ 92.16	\$ -	\$ 92.16	\$ 92.16
439			SVO-8401: SOLENOID, ASCO 535-1510566	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54
440		Purchased By Kingtong (V-8400)	PRV-8401: PRESSURE REGULATOR, FISHER 67CPR	EA	1	0%	1	1.440	\$ 30.72	\$ 44.24	\$ -	\$ 44.24	\$ 44.24
441			PSV-8400: PRESSURE SAFETY VALVE, AGCO 83S1MB8-6	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 19.97
442			TE-0811: TEMPERATURE ELEMENT (RTD), ROSEMOUNT 214CRHSMB1330087SLEA11C 381WV20Q4XW(BY KM Installed By 388-50-E167 (IDD 02-04) 388-50-E167 (IDD 07-03)	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
443			TW-0811: THERMOWELL, ROSEMOUNT 114CE0070TARZSC017AQ8R21X W(BY KM Installed By 388-50-E167 (IDD 02-04) 388-50-E167 (IDD 07-03)	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
444			TE-0812: TEMPERATURE ELEMENT (RTD), ROSEMOUNT 214CRHSMB1330087SLEA11C 381WV20Q4XW(BY KM Installed By 388-50-E167 (IDD 02-04) 388-50-E167 (IDD 07-03)	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
445		Purchased By Kingtong (V-8400)	TW-0812: THERMOWELL, ROSEMOUNT 114CE0060TARZSC017AQ8R21X W(BY KM Installed By 388-50-E167 (IDD 02-04) 388-50-E167 (IDD 07-03)	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
446			VT-8110: VIBRATION TRANSMITTER, METRIX VIBRATION ST548E-121-020-00	EA	1	0%	1	0.600	\$ 30.72	\$ 18.43	\$ -	\$ 18.43	\$ 18.43
447			VT-8120: VIBRATION TRANSMITTER, METRIX VIBRATION ST548E-121-020-00	EA	1	0%	1	0.600	\$ 30.72	\$ 18.43	\$ -	\$ 18.43	\$ 18.43
448			VT-8210: VIBRATION TRANSMITTER, METRIX VIBRATION ST548E-121-020-00	EA	1	0%	1	0.600	\$ 30.72	\$ 18.43	\$ -	\$ 18.43	\$ 18.43
449			VT-8220: VIBRATION TRANSMITTER, METRIX VIBRATION ST548E-121-020-00	EA	1	0%	1	0.600	\$ 30.72	\$ 18.43	\$ -	\$ 18.43	\$ 18.43
450		Purchased By TEK-FINS (GAS COOLER)	VT-8310: VIBRATION TRANSMITTER, METRIX VIBRATION ST548E-121-020-00	EA	1	0%	1	0.600	\$ 30.72	\$ 18.43	\$ -	\$ 18.43	\$ 18.43
451			VT-8320: VIBRATION TRANSMITTER, METRIX VIBRATION ST548E-121-020-00	EA	1	0%	1	0.600	\$ 30.72	\$ 18.43	\$ -	\$ 18.43	\$ 18.43
452			VT-8410: VIBRATION TRANSMITTER, METRIX VIBRATION ST548E-121-020-00	EA	1	0%	1	0.600	\$ 30.72	\$ 18.43	\$ -	\$ 18.43	\$ 18.43
453			VT-8420: VIBRATION TRANSMITTER, METRIX VIBRATION ST548E-121-020-00	EA	1	0%	1	0.600	\$ 30.72	\$ 18.43	\$ -	\$ 18.43	\$ 18.43
454			HS-8110: HAND SWITCH, TBC	EA	1	0%	1	0.500	\$ 30.72				

DETAILED BREAKDOWN OF ITEMS													
Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039													
Project ID: 14052026													
Scope: Electrical & Instruments													
											Date: 09/28/26		
SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
468		Purchased By KM	TW-8805: THERMOWELL, TBC	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
469			PSV-8807: PRESSURE SAFETY VALVE, TBC	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 19.97
470			DPT-8804: DIFF PRESSURE TRANSMITTER, ROSEMOUNT 3051CG42A2A1ASSE3M5Q4QB1 1R707By KM Installed By 388-50-E167 (IDD 01-04) 388-50-E167 (IDD 07-03)	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
471		Purchased By SIEMENS (COMP #8 UNIT)	PSV-8501: PRESSURE SAFETY VALVE, TBC	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 19.97
472			TCV-137: CONTROL VALVE, AMOT 3B0CF13001	EA	1	0%	1	3.500	\$ 30.72	\$ 107.52	\$ -	\$ 107.52	\$ 107.52
473			VT-8500: VIBRATION TRANSMITTER, TBC	EA	1	0%	1	1.600	\$ 30.72	\$ 18.43	\$ -	\$ 18.43	\$ 18.43
474		Purchased By KM	HS-8500: HAND SWITCH, TBC	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 15.36
475			HS-1040: HAND SWITCH, TBC	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 15.36
476		Purchased By SIEMENS (LUBE OIL SKID)	TI-271: THERMOMETER, ROSEMOUNT 214CRW SMB1S4E0037SLAT1C3B 1XW	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
477			TW-271: THERMOWELL, ROSEMOUNT 114CE0020TAC1SF017AQ8XW	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
478			PI-218: PRESSURE GAUGE, TBC	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
479		Purchased By KM	PTI-223: PRESSURE TRANSMITTER, TBC 2051TG2A2B1AB4E5	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
480			FG-211: FLOW GAUGE, JACOB TARBOX 300-S	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
481			TI-212: THERMOMETER, ASHCROFT 50E160E060XNNSG0250F	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
482		Purchased By KM	TW-212: THERMOWELL, ALLOY ENGINEERING 1.00"-2605-U2-1/2"	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
483			FG-214: FLOW GAUGE, TBC	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
484			TI-215: THERMOMETER, TBC	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
485		Purchased By KM	TW-215: THERMOWELL, TBC	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
486			FG-231: FLOW GAUGE, JACOB TARBOX 300-S	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
487			TI-232: THERMOMETER, ASHCROFT 50E160E060XNNSG0250F	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
488		Purchased By KM	TW-232: THERMOWELL, ALLOY ENGINEERING 1.00"-2605-U2-1/2"	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
489			FG-234: FLOW GAUGE, TBC	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
490			TI-235: THERMOMETER, TBC	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
491		Purchased By KM	TW-235: THERMOWELL, TBC	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
492			FG-251: FLOW GAUGE, JACOB TARBOX 300-S	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
493			TI-252: THERMOMETER, ASHCROFT 50E160E060XNNSG0250F	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
494		Purchased By KM	TW-252: THERMOWELL, ALLOY ENGINEERING 1.00"-2605-U2-1/2"	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
495			FG-254: FLOW GAUGE, TBC	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
496			TI-255: THERMOMETER, TBC	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
497		Purchased By KM	TW-255: THERMOWELL, TBC	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
498			FG-221: FLOW GAUGE, JACOB TARBOX 300-S	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
499			TI-222: THERMOMETER, ASHCROFT 50E160E060XNNSG0250F	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
500		Purchased By KM	TW-222: THERMOWELL, ALLOY ENGINEERING 1.00"-2605-U2-1/2"	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
501			FG-224: FLOW GAUGE, TBC	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
502			TI-225: THERMOMETER, TBC	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
503		Purchased By SIEMENS (COMP #8 UNIT)	TW-225: THERMOWELL, TBC	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
504			FG-241: FLOW GAUGE, JACOB TARBOX 300-S	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
505			TI-242: THERMOMETER, ASHCROFT 50E160E060XNNSG0250F	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
506		Purchased By KM	TW-242: THERMOWELL, ALLOY ENGINEERING 1.00"-2605-U2-1/2"	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
507			FG-244: FLOW GAUGE, TBC	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
508			TI-245: THERMOMETER, TBC	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
509		Purchased By KM	TW-245: THERMOWELL, TBC	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
510			FG-261: FLOW GAUGE, JACOB TARBOX 300-S	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
511			TI-262: THERMOMETER, ASHCROFT 50E160E060XNNSG0250F	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
512		Purchased By KM	TW-262: THERMOWELL, ALLOY ENGINEERING 1.00"-2605-U2-1/2"	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
513			FG-264: FLOW GAUGE, TBC	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
514			TI-265: THERMOMETER, TBC	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
515		Purchased By SIEMENS (COMP #8 UNIT)	TW-265: THERMOWELL, TBC	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
516			TE-537: TEMPERATURE ELEMENT (RTD), TBC	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
517			VI-546: VIBRATION TRANSMITTER, METRIX VIBRATION S15484E-152-041-02	EA	1	0%	1	0.600	\$ 30.72	\$ 18.43	\$ -	\$ 18.43	\$ 18.43
518		Purchased By KM	TE-501: TEMPERATURE ELEMENT (RTD), MOTOR VENDOR TBC	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
519			TE-502: TEMPERATURE ELEMENT (RTD), MOTOR VENDOR TBC	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
520			TE-503: TEMPERATURE ELEMENT (RTD), MOTOR VENDOR TBC	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
521		Purchased By KM	TE-504: TEMPERATURE ELEMENT (RTD), MOTOR VENDOR TBC	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
522			TE-505: TEMPERATURE ELEMENT (RTD), MOTOR VENDOR TBC	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
523			TE-506: TEMPERATURE ELEMENT (RTD), MOTOR VENDOR TBC	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
524		Purchased By KM	TE-507: TEMPERATURE ELEMENT (RTD), MOTOR VENDOR TBC	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
525			TE-508: TEMPERATURE ELEMENT (RTD), MOTOR VENDOR TBC	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
526			TE-509: TEMPERATURE ELEMENT (RTD), MOTOR VENDOR TBC	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
527		Purchased By KM	ZS-120: LIMIT SWITCH, MICRO SWITCH 16CX2C/LSZ55C	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
528			ZS-119: LIMIT SWITCH, MICRO SWITCH 16CX2C/LSZ51A	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
529			TE-311: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
530		Purchased By KM	TE-312: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
531			TE-313: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
532			TE-314: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
533		Purchased By KM	TE-315: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
534			TE-316: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
535			TE-317: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
536		Purchased By KM	TE-318: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
537			TE-319: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
538			TE-320: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
539		Purchased By KM	VI-321: VIBRATION TRANSMITTER, TBC	EA	1	0%	1	0.600	\$ 30.72	\$ 18.43	\$ -	\$ 18.43	\$ 18.43
540			VI-322: VIBRATION TRANSMITTER, TBC	EA	1	0%	1	0.600	\$ 30.72	\$ 18.43	\$ -	\$ 18.43	\$ 18.43
541			TCI-102: HEATER CONTROLLER, CALORITHECH CXST 12091-15	EA	1	0%	1	1.100	\$ 30.72	\$ 33.79	\$ -	\$ 33.79	\$ 33.79
542		Purchased By KM	L-0107: LEVEL GAUGE, LOWELL, TBC	EA	1	0%	1	1.320	\$ 30.72	\$ 40.55	\$ -	\$ 40.55	\$ 40.55
543			L-010F: LEVEL GAUGE, LOWELL, TBC	EA	1	0%	1	1.560	\$ 30.72	\$ 47.92	\$ -	\$ 47.92	\$ 47.92
544			LSL-106: LEVEL SWITCH, TBC	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
545		Purchased By KM	PRV-156: PRESSURE SAFETY VALVE, FULLFLO V3-78V	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 19.97
546			PI-121: PRESSURE TRANSMITTER, ROSEMOUNT 3051CG422A1A5SKM5Q4QTQ 1R707By KM Installed By 388-50-E167 (IDD 01-04) 388-50-E167 (IDD 07-03)	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
547			PTI-122: PRESSURE TRANSMITTER, ROSEMOUNT 3051CG422A1A5SKM5Q4QTQ 1R707By KM Installed By 388-50-E167 (IDD 01-04) 388-50-E167 (IDD 07-03)	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	

DETAILED BREAKDOWN OF ITEMS													
Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039													
Project ID: 14052026													
Scope: Electrical & Instruments													
											Date: 09/28/26		
SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
580		OIL SKID	PRV-115: PRESSURE SAFETY VALVE, FULL FLO FVSE-8R/SS/WS	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 19.97
581			HS-308: HAND SWITCH, TBC	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 15.36
582		Purchased by SIEMENS (COMP #8 UNIT)	MDG-8060: METAL DETECTOR, TBC	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
583		Purchased By KM	PT-8700: PRESSURE TRANSMITTER, ROSEMOUNT 3051527G3A2A11A1ADA2B4ESL1 M5Q4Q8THR7(BY KM Installed By388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
584		Purchased by F-8700 VENDOR	PDI-8700A: DIFF. PRESSURE GAUGE, TBC	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
585			PDI-8700B: DIFF. PRESSURE GAUGE, TBC	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
586		Purchased by SIVALL (V-8100A)	PSV-8101: PRESSURE SAFETY VALVE, TBC	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 19.97
587		Purchased By KM	PI-8102: PRESSURE GAUGE, ASHCROFT 451279SSL04LXNHSX300(BY KM Installed By388-50-E167 (IDD 01-08)	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
588		Purchased By T-8200 VENDOR	LIT-8200: LEVEL TRANSMITTER, MAGNETROL TBC	EA	1	0%	1	1.560	\$ 30.72	\$ 47.92	\$ -	\$ 47.92	\$ 47.92
589			SVO-8200: SOLENOID, TBC	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54
590			PRV-8200: PRESSURE REGULATOR, TBC	EA	1	0%	1	1.440	\$ 30.72	\$ 44.24	\$ -	\$ 44.24	\$ 44.24
591		Purchased by SIEMENS (LUBRICATOR SKID)	PI-332: PRESSURE GAUGE, TBC	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
592			PI-336: PRESSURE GAUGE, TBC	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
593			RD-334: RUPTURE DISC, TBC	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
594			RD-335: RUPTURE DISC, TBC	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
595			FS-333: FLOW SWITCH, TBC	EA	1	0%	1	1.150	\$ 30.72	\$ 35.33	\$ -	\$ 35.33	\$ 35.33
596			FS-309: FLOW SWITCH, TBC	EA	1	0%	1	1.150	\$ 30.72	\$ 35.33	\$ -	\$ 35.33	\$ 35.33
597			HS-303: HAND SWITCH, TBC	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 15.36
598			TE-118: THERMOCOUPLE, EXLINE W 139165AF	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 19.97
599			XE-116: POSITION SENSOR, EXLINE 313509	EA	1	0%	1	0.880	\$ 30.72	\$ 27.03	\$ -	\$ 27.03	\$ 27.03
600			TSNH-127: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1	0%	1	1.320	\$ 30.72	\$ 40.55	\$ -	\$ 40.55	\$ 40.55
601			TD-103: TEMPERATURE DETECTOR, AMOT 8410D15C16197	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
602			TSNH-135: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1	0%	1	1.320	\$ 30.72	\$ 40.55	\$ -	\$ 40.55	\$ 40.55
603			TD-119: TEMPERATURE DETECTOR, AMOT 4102D12C13197	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
604			TE-120: THERMOCOUPLE, EXLINE W 139165AF	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 19.97
605			XE-118: POSITION SENSOR, EXLINE 313509	EA	1	0%	1	0.880	\$ 30.72	\$ 27.03	\$ -	\$ 27.03	\$ 27.03
606			TSNH-129: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1	0%	1	1.320	\$ 30.72	\$ 40.55	\$ -	\$ 40.55	\$ 40.55
607			TD-107: TEMPERATURE DETECTOR, AMOT 8410D15C16197	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
608			TSNH-137: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1	0%	1	1.320	\$ 30.72	\$ 40.55	\$ -	\$ 40.55	\$ 40.55
609			TD-121: TEMPERATURE DETECTOR, AMOT 4102D12C13197	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
610			TE-122: THERMOCOUPLE, EXLINE W 139165AF	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 19.97
611		XE-120: POSITION SENSOR, EXLINE 313509	EA	1	0%	1	0.880	\$ 30.72	\$ 27.03	\$ -	\$ 27.03	\$ 27.03	
612		TSNH-131: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1	0%	1	1.320	\$ 30.72	\$ 40.55	\$ -	\$ 40.55	\$ 40.55	
613		TD-111: TEMPERATURE DETECTOR, AMOT 8410D15C16197	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72	
614		TSNH-139: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1	0%	1	1.320	\$ 30.72	\$ 40.55	\$ -	\$ 40.55	\$ 40.55	
615		Purchased by SIEMENS (COMP #8 UNIT)	TD-123: TEMPERATURE DETECTOR, AMOT 4102D12C13197	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
616			TE-119: THERMOCOUPLE, EXLINE W 139165AF	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 19.97
617			XE-117: POSITION SENSOR, EXLINE 313509	EA	1	0%	1	0.880	\$ 30.72	\$ 27.03	\$ -	\$ 27.03	\$ 27.03
618		TSNH-128: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1	0%	1	1.320	\$ 30.72	\$ 40.55	\$ -	\$ 40.55	\$ 40.55	
619		TD-105: TEMPERATURE DETECTOR, AMOT 8410D15C16197	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72	
620		TSNH-136: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1	0%	1	1.320	\$ 30.72	\$ 40.55	\$ -	\$ 40.55	\$ 40.55	
621		TD-120: TEMPERATURE DETECTOR, AMOT 4102D12C13197	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72	
622		TE-121: THERMOCOUPLE, EXLINE W 139165AF	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 19.97	
623		XE-119: POSITION SENSOR, EXLINE 313509	EA	1	0%	1	0.880	\$ 30.72	\$ 27.03	\$ -	\$ 27.03	\$ 27.03	
624		TSNH-130: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1	0%	1	1.320	\$ 30.72	\$ 40.55	\$ -	\$ 40.55	\$ 40.55	
625		TD-110: TEMPERATURE DETECTOR, AMOT 8410D15C16197	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72	
626		TSNH-138: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1	0%	1	1.320	\$ 30.72	\$ 40.55	\$ -	\$ 40.55	\$ 40.55	
627		TD-122: TEMPERATURE DETECTOR, AMOT 4102D12C13197	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72	
628		TE-123: THERMOCOUPLE, EXLINE W 139165AF	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 19.97	
629		XE-121: POSITION SENSOR, EXLINE 313509	EA	1	0%	1	0.880	\$ 30.72	\$ 27.03	\$ -	\$ 27.03	\$ 27.03	
630		TSNH-132: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1	0%	1	1.320	\$ 30.72	\$ 40.55	\$ -	\$ 40.55	\$ 40.55	
631		TD-113: TEMPERATURE DETECTOR, AMOT 8410D15C16197	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72	
632		TSNH-140: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1	0%	1	1.320	\$ 30.72	\$ 40.55	\$ -	\$ 40.55	\$ 40.55	
633		TD-124: TEMPERATURE DETECTOR, AMOT 4102D12C13197	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72	
634		SVC-101: SOLENOID, ASCO EV8316G381V	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54	
635		PS-121: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1	0%	1	1.250	\$ 30.72	\$ 38.40	\$ -	\$ 38.40	\$ 38.40	
636		SVC-102: SOLENOID, ASCO EV8316G381V	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54	
637		PS-122: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1	0%	1	1.250	\$ 30.72	\$ 38.40	\$ -	\$ 38.40	\$ 38.40	
638		SVC-103: SOLENOID, ASCO EV8316G381V	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54	
639		PS-123: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1	0%	1	1.250	\$ 30.72	\$ 38.40	\$ -	\$ 38.40	\$ 38.40	
640		SVC-104: SOLENOID, ASCO EV8316G381V	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54	
641		PS-124: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1	0%	1	1.250	\$ 30.72	\$ 38.40	\$ -	\$ 38.40	\$ 38.40	
642		SOV-105: SOLENOID, ASCO EV8316G381V	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54	
643		PS-125: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1	0%	1	1.250	\$ 30.72	\$ 38.40	\$ -	\$ 38.40	\$ 38.40	
644		SOV-106: SOLENOID, ASCO EV8316G381V	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54	
645		PS-126: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1	0%	1	1.250	\$ 30.72	\$ 38.40	\$ -	\$ 38.40	\$ 38.40	
646		SOV-107: SOLENOID, ASCO EV8316G381V	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54	
647		PS-127: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1	0%	1	1.250	\$ 30.72	\$ 38.40	\$ -	\$ 38.40	\$ 38.40	
648		SOV-108: SOLENOID, ASCO EV8316G381V	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54	
649		PS-128: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1	0%	1	1.250	\$ 30.72	\$ 38.40	\$ -	\$ 38.40	\$ 38.40	
650		SOV-109: SOLENOID, ASCO EV8316G381V	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54	
651		PS-129: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1	0%	1	1.250	\$ 30.72	\$ 38.40	\$ -	\$ 38.40	\$ 38.40	
652		SOV-110: SOLENOID, ASCO EV8316G381V	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54	
653		PS-130: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1	0%	1	1.250	\$ 30.72	\$ 38.40	\$ -	\$ 38.40	\$ 38.40	
654		SOV-111: SOLENOID, ASCO EV8316G381V	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54	
655		PS-131: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1	0%	1	1.250	\$ 30.72	\$ 38.40	\$ -	\$ 38.40	\$ 38.40	
656		SOV-112: SOLENOID, ASCO EV8316G381V	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54	
657		PS-132: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1	0%	1	1.250	\$ 30.72	\$ 38.40	\$ -</			

DETAILED BREAKDOWN OF ITEMS													
Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039												 +1 (214) 556-2605	
Project ID: 14052026													
Scope: Electrical & Instruments													
Date: 09/28/26													
SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
696			B1-8007: FLAME DETECTOR, MSA FL500-3-5-2-3-1-1-1 (By KM Installed By 388-50-E169 (IDD 07-43)) 388-50-E169 (IDD 06-06)	EA	1	0%	1	1.560	\$ 30.72	\$ 47.92	\$ -	\$ 47.92	\$ 47.92
697			B1-8008: FLAME DETECTOR, MSA FL500-3-5-2-3-1-1-1 (By KM Installed By 388-50-E169 (IDD 07-43)) 388-50-E169 (IDD 06-06)	EA	1	0%	1	1.560	\$ 30.72	\$ 47.92	\$ -	\$ 47.92	\$ 47.92
698		Purchased By KM	TE-8004: TEMPERATURE ELEMENT (RTD), ROSEMOUNT 214CRHSSB1S3E0060SLW R3ESA T1C3B1W DV20Q4G3 (By KM Installed By 388-50-E169 (IDD 07-43)) TE-8005: TEMPERATURE ELEMENT (RTD), ROSEMOUNT 214CRHSSB1S3E0060SLW R3ESA T1C3B1W DV20Q4G3 (By KM Installed By 388-50-E169 (IDD 07-43))	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
699			XS-8005: INTRUSION DETECTOR, GE SECURITY SENTROL 2845T	EA	1	0%	1	1.180	\$ 30.72	\$ 36.25	\$ -	\$ 36.25	\$ 36.25
701			XS-8006: INTRUSION DETECTOR, GE SECURITY SENTROL 2845T	EA	1	0%	1	1.180	\$ 30.72	\$ 36.25	\$ -	\$ 36.25	\$ 36.25
702			XS-8007: INTRUSION DETECTOR, GE SECURITY SENTROL 2845T	EA	1	0%	1	1.180	\$ 30.72	\$ 36.25	\$ -	\$ 36.25	\$ 36.25
703			XS-8008: INTRUSION DETECTOR, GE SECURITY SENTROL 2845T	EA	1	0%	1	1.180	\$ 30.72	\$ 36.25	\$ -	\$ 36.25	\$ 36.25
704			XS-8009: INTRUSION DETECTOR, GE SECURITY SENTROL 2845T	EA	1	0%	1	1.180	\$ 30.72	\$ 36.25	\$ -	\$ 36.25	\$ 36.25
705			PSV-8500: PRESSURE SAFETY VALVE, AGCO 84316/2351	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 19.97
706		Purchased By PARKER (V-8500)	LIT-8501A: LEVEL TRANSMITTER, MAGNETROL 706	EA	1	0%	1	1.560	\$ 30.72	\$ 47.92	\$ -	\$ 47.92	\$ 47.92
707			LSH-8500A: LEVEL SWITCH, MAGNETROL TD2	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
708			LSL-8500A: LEVEL SWITCH, MAGNETROL TD2	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
709			LG-8500A: LEVEL GAUGE, PENBERTHY 2RH4	EA	1	0%	1	1.320	\$ 30.72	\$ 40.55	\$ -	\$ 40.55	\$ 40.55
710			BV-8500A: ON-OFF VALVE, EMERSON TBC (By KM Installed By 388-50-E167 (IDD 05-04)) 388-50-E169 (IDD 05-07)	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 15.36
711			SVO-8500A: SOLENOID, PETER PAUL E24H9ZCCM, ASSEMBLED WITH VALVE	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54
712		Purchased By KM	ZSC-8500A: LIMIT SWITCH, TOPWORKS DXP-L4IGNEB, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
713			ZSO-8500A: LIMIT SWITCH, TOPWORKS DXP-L4IGNEB, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
714			LCV-8501A: CONTROL VALVE, F.E.T / RADIUS BAP / SR040 (By KM Installed By 388-50-E167 (IDD 05-03)) 388-50-E169 (IDD 07-43)	EA	1	0%	1	3.000	\$ 30.72	\$ 92.16	\$ -	\$ 92.16	\$ 92.16
715			SVO-8501A: SOLENOID, PETER PAUL E24H9ZCCM, ASSEMBLED WITH VALVE	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54
716			PI-8500: PRESSURE GAUGE, ASHCROFT 1279	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
717			DPIT-8500: DIFF PRESSURE TRANSMITTER, ROSEMOUNT 305ICD	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
718		Purchased By PARKER (V-8500)	TI-8500: THERMOMETER, ASHCROFT 50E1	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
719			TIW-8500: THERMOWELL, ASHCROFT ELL	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
720			LIT-8501B: LEVEL TRANSMITTER, MAGNETROL 706	EA	1	0%	1	1.560	\$ 30.72	\$ 47.92	\$ -	\$ 47.92	\$ 47.92
721			LSH-8500B: LEVEL SWITCH, MAGNETROL TD2	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
722			LSL-8500B: LEVEL SWITCH, MAGNETROL TD2	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
723			LG-8500B: LEVEL GAUGE, PENBERTHY 2RH4	EA	1	0%	1	1.320	\$ 30.72	\$ 40.55	\$ -	\$ 40.55	\$ 40.55
724			BV-8500B: ON-OFF VALVE, EMERSON TBC (By KM Installed By 388-50-E167 (IDD 05-04)) 388-50-E169 (IDD 05-07)	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 15.36
725			SVO-8500B: SOLENOID, PETER PAUL E24H9ZCCM, ASSEMBLED WITH VALVE	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54
726			ZSC-8500B: LIMIT SWITCH, TOPWORKS DXP-L4IGNEB, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
727			ZSO-8500B: LIMIT SWITCH, TOPWORKS DXP-L4IGNEB, ASSEMBLED WITH VALVE	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
728		Purchased By KM	LCV-8501B: CONTROL VALVE, F.E.T / RADIUS BAP / SR040 (By KM Installed By 388-50-E167 (IDD 05-03)) 388-50-E169 (IDD 07-43)	EA	1	0%	1	3.000	\$ 30.72	\$ 92.16	\$ -	\$ 92.16	\$ 92.16
729			SVO-8501B: SOLENOID, PETER PAUL E24H9ZCCM, ASSEMBLED WITH VALVE	EA	1	0%	1	1.450	\$ 30.72	\$ 44.54	\$ -	\$ 44.54	\$ 44.54
730			PI-8500: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2T4A2A11A1ADA2B4E5L1 M5Q4Q8THR7 (By KM Installed By 388-50-E167 (IDD 01-06)) 388-50-E167 (IDD 07-43)	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
731			RO-8500: RESTRICTION ORIFICE, ROSEMOUNT 149SLC20RFS00208BCW R3PH FLQ8	EA	1	0%	1	0.850	\$ 30.72	\$ 26.11	\$ -	\$ 26.11	\$ 26.11
732			R10C2 - Internal Panel Layout Compressor Building (BA-8000) - Unit 8	EA	1	0%	1	5.500	\$ 30.72	\$ 168.96	\$ 5,450.00	\$ 5,618.96	\$ 5,618.96
733			Free Standing NEMA Enclosure, 72x60x24, Carbon Steel - Gray, HOFFMAN, A726024ULP	EA	1	0%	1	6.500	\$ 30.72	\$ 199.68	\$ -	\$ 199.68	\$ 199.68
734			68X36 Steel Back Panel, HOFFMAN, A72P60	EA	1	0%	1	1.250	\$ 30.72	\$ 38.40	\$ -	\$ 38.40	\$ 38.40
735			60X14 Side Mounted Panel, Painted Steel, HOFFMAN, A725MP14	EA	2	0%	2	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 61.44
736			3" X 5" Wire duct, Slotted, Narrow Finger, Gray & 3" Wire duct Cover, PANDUIT, F3XSLG6 / CHLG6	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
737			2" X 4" Wire duct, Slotted, Narrow Finger, Gray & 2" Wire duct Cover, PANDUIT, F2XSLG6 / CHLG6	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
738			DI Rail, 35mm X 7.5mm, Zinc/Steel, ALLEN BRADLEY, 199-DR1	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 15.36
739			Stand Off Insulator, GLASTIC, 2165-1B	EA	1	0%	1	0.400	\$ 30.72	\$ 12.29	\$ -	\$ 12.29	\$ 12.29
740			LED Enclosure Light, 24VDC, 15W, HOFFMAN, LED24V15	EA	1	0%	1	0.900	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
741			Mechanical Ground Lug, BURNDY, TYPE KC	EA	2	0%	2	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 30.72
742			Panel Nameplate, 1-1/2" X 4", Black Lamcoild With White Core, PANEL SHOP	EA	1	0%	1	0.350	\$ 30.72	\$ 10.75	\$ -	\$ 10.75	\$ 10.75
743			Custom 125vdc Plastic Cover Guard With Standoffs, PANEL SHOP	EA	2	0%	2	0.350	\$ 30.72	\$ 10.75	\$ -	\$ 10.75	\$ 21.50
744			Device Nameplate, 3/4" X 1-3/4", Black Lamcoild With White Core, PANEL SHOP	EA	51	0%	51	0.300	\$ 30.72	\$ 9.22	\$ -	\$ 9.22	\$ 470.02
745			Marker Carrier - UREB, PHOENIX CONTACT, 800307	EA	15	0%	15	0.320	\$ 30.72	\$ 9.83	\$ -	\$ 9.83	\$ 147.46
746			End Clamp E/NS 34 N, PHOENIX CONTACT, 800886	EA	34	0%	34	0.160	\$ 30.72	\$ 4.92	\$ -	\$ 4.92	\$ 167.12
747			Feed-Through Terminal Block UT 10, PHOENIX CONTACT, 3044160	EA	4	0%	4	0.200	\$ 30.72	\$ 6.14	\$ -	\$ 6.14	\$ 24.58
748			Feed-Through Ground Modular Terminal Block - UT 10-PE, PHOENIX CONTACT, 3044173	EA	2	0%	2	0.400	\$ 30.72	\$ 12.29	\$ -	\$ 12.29	\$ 24.58
749			End Cover D-UT 2.5/10, PHOENIX CONTACT, 3047028	EA	2	0%	2	0.100	\$ 30.72	\$ 3.07	\$ -	\$ 3.07	\$ 6.14
750			Surge Protection Device, PHOENIX CONTACT, 2907018	EA	2	0%	2	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 39.94
751			24V Power Supply, DC-DC Converter XLE 20 AMP, ALLEN BRADLEY, 1606-XLE480P	EA	2	0%	2	1.200	\$ 30.72	\$ 36.86	\$ -	\$ 36.86	\$ 73.73
752			Hydraulic-Magnetic Circuit Breaker 10 A / 120 V AC (50/60 Hz) / 50 V DC / 1 kA (SCCB), PHOENIX CONTACT, 2907096	EA	6	0%	6	0.600	\$ 30.72	\$ 18.43	\$ -	\$ 18.43	\$ 110.59
753			Hydraulic-Magnetic Circuit Breaker 20 A / 120 V AC (50/60 Hz) / 50 V DC / 1 kA (SCCB), PHOENIX CONTACT, 2907199	EA	2	0%	2	0.600	\$ 30.72	\$ 18.43	\$ -	\$ 18.43	\$ 36.86
754			Ground Bar, 9 Terminal Ks, SQUARE D, PKGTAB	EA	4	0%	4	0.350	\$ 30.72	\$ 10.75	\$ -	\$ 10.75	\$ 43.01
755			Ground Modular Terminal Block - USLKG 6 N, PHOENIX CONTACT, 0442079	EA	9	0%	9	0.600	\$ 30.72	\$ 18.43	\$ -	\$ 18.43	\$ 165.89
756			Fuse Modular Terminal Block - UT 4-L/H/SEILED 24 (SX20) - Two Level, PHOENIX CONTACT, 3214366	EA	64	0%	64	0.560	\$ 30.72	\$ 17.20	\$ -	\$ 17.20	\$ 1,101.00
757			Terminal Block Relay, 24VDC, CLASS 1 DIV 2, 1NO-1NC, Contacts, PHOENIX CONTACT, 2992624	EA	32	0%	32	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 491.52
758			Fuse Modular Terminal Block - UT 4-PE/L/H/SEILED 24 (SX20) Two Level, PHOENIX CONTACT, 3214321	EA	48	0%	48	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 737.28
759			Multilevel (Single Level) Feed Through Terminal Block - UT 4-L, PHOENIX CONTACT, 3214363	EA	68	0%	68	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 1,044.48
760		Furnished By Panel Vendor	Hydraulic-Magnetic Circuit Breaker 5 A / 120 V AC (50/60 Hz) / 50 V DC / 1 kA (SCCB), PHOENIX CONTACT, 2907194	EA	17	0%	17	0.600	\$ 30.72	\$ 18.43	\$ -	\$ 18.43	\$ 313.34
761			Feasible Disconnect, Finger Safe, Lock-On Provision, 30A, 600 VAC, 125 VDC, 2/5A, UL98, Single Pole, EATON, CP2-3-10CF	EA	2	0%	2	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 61.44
762			CLASS OF FUSE, TCF, Time Delay, Dual Element, Current Limiting, Cable Fuse, 15A, Interrupting Rating 100KA / 300VDC AND 300KA/600VAC, EATON, TCF158N	EA	4	0%	4	0.050	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 92.16
763			Flex IO Repeater/Ethernet Adapter, ALLEN BRADLEY, 5094-AEN2TR	EA	2	0%	2	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 138.24
764			Flex IO Discrete Input Module, 16 Point & Terminal Block Assembly, ALLEN BRADLEY, 5094-IB16	EA	2	0%	2	2.000	\$ 30.72	\$ 61.44	\$ -	\$ 61.44	\$ 122.88
765			Flex IO Discrete Output Module, 16 Point & Terminal Block Assembly, ALLEN BRADLEY, 5094-OB16	EA	2</								

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
Project ID: 14052026
Scope: Electrical & Instruments

DETAILED BREAKDOWN OF ITEMS



Date: 09/28/26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
797			Stand Off Insulator, GLASTIC, 2165-1B	EA	1	0%	1	0.400	\$ 30.72	\$ 12.29	\$ -	\$ 12.29	\$ 12.29
798			LED Enclosure Light, 24VDC, 15IN, HOFFMAN, LED24V15	EA	1	0%	1	0.800	\$ 30.72	\$ 24.58	\$ -	\$ 24.58	\$ 24.58
799			Mechanical Ground Lug, BURNDY, TYPE KC	EA	2	0%	2	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 30.72
800			Panel Nameplate, 1-1/2" X 4", Black Lamcoind With White Core, PANEL SHOP	EA	1	0%	1	0.350	\$ 30.72	\$ 10.75	\$ -	\$ 10.75	\$ 10.75
801			Custom 125VDC Plastic Cover Guard With Standoffs, PANEL SHOP	EA	2	0%	2	0.350	\$ 30.72	\$ 10.75	\$ -	\$ 10.75	\$ 21.50
802			Device Nameplate, 3/4" X 1-3/4", Black Lamcoind With White Core, PANEL SHOP	EA	34	0%	34	0.300	\$ 30.72	\$ 9.22	\$ -	\$ 9.22	\$ 313.34
803			Marker Carrier - UBE/D, PHOENIX CONTACT, 800307	EA	20	0%	20	0.320	\$ 30.72	\$ 9.83	\$ -	\$ 9.83	\$ 196.61
804			End Clamp E/NS 34 N, PHOENIX CONTACT, 800886	EA	42	0%	42	0.160	\$ 30.72	\$ 4.92	\$ -	\$ 4.92	\$ 206.44
805			Feed-Through Terminal Block UT 10, PHOENIX CONTACT, 3044160	EA	4	0%	4	0.200	\$ 30.72	\$ 6.14	\$ -	\$ 6.14	\$ 24.58
806			Feed-Through Ground Modular Terminal Block - UT 10-PE, PHOENIX CONTACT, 3044173	EA	2	0%	2	0.400	\$ 30.72	\$ 12.29	\$ -	\$ 12.29	\$ 24.58
807			End Cover D-UT 2.510, PHOENIX CONTACT, 3047028	EA	2	0%	2	0.100	\$ 30.72	\$ 3.07	\$ -	\$ 3.07	\$ 6.14
808			Surge Protection Device, PHOENIX CONTACT, 2807018	EA	2	0%	2	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 39.94
809			24V Power Supply, DC/DC Converter, ALLEN BRADLEY, 5904-RTB3	EA	2	0%	2	1.200	\$ 30.72	\$ 36.86	\$ -	\$ 36.86	\$ 73.73
810			FAZ-NA Circuit Breaker, 1-Pole, 15 AMP, 125 VDC, EATON, FAZ-C151-DC	EA	2	0%	2	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 30.72
811			FAZ-NA Circuit Breaker, 1-Pole, 20 AMP, 125 VDC, EATON, FAZ-C201-DC	EA	2	0%	2	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 30.72
812			Ground Bar, 9 Terminal Kit, SQUARE D, PK9GTA	EA	4	0%	4	0.350	\$ 30.72	\$ 10.75	\$ -	\$ 10.75	\$ 43.01
813			Ground Modular Terminal Block - USLKG 6 N, PHOENIX CONTACT, 442079	EA	9	0%	9	0.350	\$ 30.72	\$ 10.75	\$ -	\$ 10.75	\$ 96.77
814			Fuse Modular Terminal Block - UT 4-PE/HESILED 24 (5X20) - Two Level, PHOENIX CONTACT, 3214366	EA	129	0%	129	0.560	\$ 30.72	\$ 17.20	\$ -	\$ 17.20	\$ 2,219.21
815			Ethernet Switch 16 Port, NTRON, NT-5016-000-0000	EA	1	0%	1	1.850	\$ 30.72	\$ 56.83	\$ -	\$ 56.83	\$ 56.83
816			Fuse Modular Terminal Block - UT 4-PE/LHESILED 24 (5X20) Two Level, PHOENIX CONTACT, 3214321	EA	48	0%	48	0.560	\$ 30.72	\$ 17.20	\$ -	\$ 17.20	\$ 825.75
817			Multilevel (Single Level) Feed Through Terminal Block - UT-4L, PHOENIX CONTACT, 3214363	EA	32	0%	32	0.350	\$ 30.72	\$ 10.75	\$ -	\$ 10.75	\$ 344.06
818			Terminal Block Relay, 24VDC, CLASS I DIV 2, 1NO-1NC, Contacts, PHOENIX CONTACT, 2909524	EA	64	0%	64	0.300	\$ 30.72	\$ 9.22	\$ -	\$ 9.22	\$ 589.82
819			Flex IO Repeater/Ethernet Adapter, ALLEN BRADLEY, 5904-AENZR	EA	2	0%	2	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 138.24
820			Flex IO Discrete Output Module, 16 Point & Terminal Block Assembly, ALLEN BRADLEY, 5904-OB16	EA	4	0%	4	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 184.32
821			Flex IO Discrete Output Module, 16 Point & Terminal Block Assembly, ALLEN BRADLEY, 5904-OB16	EA	4	0%	4	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 184.32
822			Flex IO Analog Input Module, 8 Point & Terminal Block Assembly, ALLEN BRADLEY, 5904-IB8	EA	4	0%	4	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 184.32
823			Flex IO Analog Output Module, 8 Point & Terminal Block Assembly, ALLEN BRADLEY, 5904-OF8	EA	2	0%	2	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 92.16
824			Ethernet Switch, N-TRON, 708FX2-SC	EA	3	0%	3	1.350	\$ 30.72	\$ 41.47	\$ -	\$ 41.47	\$ 124.42
825			Ethernet Switch, N-TRON, 710FX2-SC	EA	1	0%	1	1.350	\$ 30.72	\$ 41.47	\$ -	\$ 41.47	\$ 41.47
826			Spare Fuse Container, Din Rail Mount, WEIDMULLER, 914760001	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 15.36
827			Closest Connector Housing (CCH) Panel, SC Adapters, Duplex, 12 F, 50 MM Multimode (OM3+), CORNING, CCH-C12-57	EA	3	0%	3	0.400	\$ 30.72	\$ 12.29	\$ -	\$ 12.29	\$ 36.86
828			Single Panel Housing (SPH) Wall Mountable, Holds One CCH Connector Panel, Back, CORNING, SPH-01P	EA	3	0%	3	0.450	\$ 30.72	\$ 13.82	\$ -	\$ 13.82	\$ 41.47
829			Single Panel Housing (SPH) Accessories & Components Din Rail Bracket, CORNING, SPH-DIN-KIT	EA	3	0%	3	0.450	\$ 30.72	\$ 13.82	\$ -	\$ 13.82	\$ 41.47
830			Fuses, Ceramic, 250mA, 5 X 20MM, Fast Acting, BUSSMAN, S501-250-R	EA	1	0%	1	0.250	\$ 30.72	\$ 7.68	\$ -	\$ 7.68	\$ 7.68
831			Fuses, Ceramic, 1A, 5 X 20MM, Time Delay, BUSSMAN, S505-1-R	EA	1	0%	1	0.250	\$ 30.72	\$ 7.68	\$ -	\$ 7.68	\$ 7.68
832			Fuses, Ceramic, 2A, 5 X 20MM, Time Delay, BUSSMAN, S505-2-R	EA	1	0%	1	0.250	\$ 30.72	\$ 7.68	\$ -	\$ 7.68	\$ 7.68
833			Fuses, Ceramic, 5A, 5 X 20MM, Time Delay, BUSSMAN, S505-5-R	EA	1	0%	1	0.250	\$ 30.72	\$ 7.68	\$ -	\$ 7.68	\$ 7.68
834			Fuses, Ceramic, 10A, 5 X 20MM, Time Delay, BUSSMAN, S505-10-R	EA	1	0%	1	0.250	\$ 30.72	\$ 7.68	\$ -	\$ 7.68	\$ 7.68
835			SC TO SC Duplex MM 50um Patch Cable - OM3, FIBERTRONICS, PC-DDYD3AV02M	EA	8	0%	8	0.300	\$ 30.72	\$ 9.22	\$ -	\$ 9.22	\$ 73.73
836			Cat6 Ethernet Cables, Length As Required, CAT 6	EA	6	0%	6	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 184.32
837			Flex IO Module Backplane, ALLEN BRADLEY, 5904-MB	EA	15	0%	15	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 460.80
838			Flex IO Module Terminal Block Assembly, ALLEN BRADLEY, 5904-RTB3	EA	14	0%	14	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 430.08
839			Flex IO Module Terminal Block Assembly, ALLEN BRADLEY, 5904-RTB3T	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
840			Fuse Modular Terminal Block - UT 4-LHESILA 250 (5X20), PHOENIX CONTACT, 3214368	EA	35	0%	35	0.560	\$ 30.72	\$ 17.20	\$ -	\$ 17.20	\$ 602.11
841			Ground Bar, Insulating Kit Lugs, SQUARE D, PK9TAB	EA	8	0%	8	0.350	\$ 30.72	\$ 10.75	\$ -	\$ 10.75	\$ 86.02
842			Flex IO Module Shield Bar, ALLEN BRADLEY, 5904-S1B	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 315.04
843			DA10D Protocol Conversion And Data Acquisition, RED LION, DA10D	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ -	\$ 23.04	\$ 23.04
844			Flex IO Rtd Input Module, 8 Point & Terminal Block Assembly, ALLEN BRADLEY, 5904-IY8	EA	1	0%	1	0.820	\$ 30.72	\$ 25.19	\$ -	\$ 25.19	\$ 25.19
845			Double Level Feed Through Terminal Block - UT1B4, PHOENIX CONTACT, 3044814	EA	16	0%	16	0.350	\$ 30.72	\$ 10.75	\$ -	\$ 10.75	\$ 172.03
846			End Cover - D-UTB 2.54, PHOENIX CONTACT, 3047293	EA	1	0%	1	0.250	\$ 30.72	\$ 7.68	\$ -	\$ 7.68	\$ 7.68
847			Spacer Plate - DP - UTB 2.54, PHOENIX CONTACT, 3047303	EA	1	0%	1	0.200	\$ 30.72	\$ 6.14	\$ -	\$ 6.14	\$ 6.14
848			21.0" LCD1920X1080, Touch Screen, 17-10700T CPU, 32GB MEMORY, 512GB SSD, 24VDC, CLASS DIV2, ARISTA, ARP-2221AP-JOI-C01	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
849			1/2" OD x 0.4049" Wall, 316SS Seamless Tubing, SWAGelok, SS-810-S-049	EA	15	0%	15	1.000	\$ 30.72	\$ 30.72	\$ 74.50	\$ 105.22	\$ 1,578.30
850			1/2" OD x 1/2" MNPT Tube Connector, 316SS, SWAGelok, SS-810-1-8	EA	15	0%	15	1.000	\$ 30.72	\$ 30.72	\$ 74.50	\$ 105.22	\$ 1,578.30
851			1/2" OD x 3/4" MNPT Tube Connector, 316SS, SWAGelok, SS-810-1-12	EA	15	0%	15	1.000	\$ 30.72	\$ 30.72	\$ 74.50	\$ 105.22	\$ 1,578.30
852			In-Line Pressure Transmitter, ROSEMOUNT, 3051S	EA	15	0%	15	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 1,036.80
853			1/2" Union Tee, Tube OD, 316SS, SWAGelok, SS-810-3	EA	330	0%	330	0.200	\$ 30.72	\$ 6.14	\$ 30.50	\$ 36.64	\$ 12,092.52
854			1/2" Tube Blowdown Needle Valve, 316SS, SWAGelok, SS-6DBSS	EA	15	0%	15	0.650	\$ 30.72	\$ 19.97	\$ 363.50	\$ 383.47	\$ 5,752.02
855			1/2" Plug Tube, 316SS, SWAGelok, SS-810-P	EA	15	0%	15	0.320	\$ 30.72	\$ 9.83	\$ 34.50	\$ 44.33	\$ 664.96
856			1/2" OD x 3/4" MNPT Tube Connector, 316SS, SWAGelok, SS-810-1-12	EA	6	0%	6	0.320	\$ 30.72	\$ 9.83	\$ 34.50	\$ 44.33	\$ 664.96
857			1/2" OD x 1/2" MNPT Tube Connector, 316SS, SWAGelok, SS-810-1-8	EA	6	0%	6	0.300	\$ 30.72	\$ 9.22	\$ 38.55	\$ 47.77	\$ 286.60
858			1/2" OD x 0.049" Wall, 316SS Seamless Tubing, SWAGelok, SS-78-S-049	EA	3	0%	3	1.000	\$ 30.72	\$ 30.72	\$ 74.50	\$ 105.22	\$ 316.66
859			Cipolan Pressure Transmitter, ROSEMOUNT, 3051S	EA	3	0%	3	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 207.36
860			1/2" Union Tee, Tube OD, 316SS, SWAGelok, SS-810-3	EA	6	0%	6	0.200	\$ 30.72	\$ 6.14	\$ 30.50	\$ 36.64	\$ 1,209.52
861			1/2" Tube Blowdown Needle Valve, 316SS, SWAGelok, SS-6DBSS	EA	6	0%	6	0.650	\$ 30.72	\$ 19.97	\$ 363.50	\$ 383.47	\$ 5,752.02
862			1/2" Plug Tube, 316SS, SWAGelok, SS-810-P	EA	6	0%	6	0.320	\$ 30.72	\$ 9.83	\$ 34.50	\$ 44.33	\$ 664.96
863			1/2" Single Tube trace Bundle W/ BSX 5-2-OI, THERMON, SEAFI-43-7-ATP-869	EA	3	0%	3	0.500	\$ 30.72	\$ 15.36	\$ 60.50	\$ 75.86	\$ 227.58
864			Thermon Power Kit, THERMON, DPFAK-4	EA	3	0%	3	1.000	\$ 30.72	\$ 125.50	\$ 156.22	\$ -	\$ 468.66
865			Power Terminator Kit, THERMON, PTK1-ID	EA	6	0%	6	1.000	\$ 30.72	\$ 30.72	\$ 85.50	\$ 116.22	\$ 697.32
866			Thermon End Kit, THERMON, ET-6C-FAK-10B	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ 60.50	\$ 91.22	\$ 545.32
867			2 Leg Heat Shrink Seal, THERMON, FAK-10B	EA	6	0%	6	0.380	\$ 30.72	\$ 11.67	\$ 10.50	\$ 22.17	\$ 133.04
868			Reducing Bushing, 3/4" MNPT x 1/2" FNPT, 316 SS, SWAGelok, SS-12-RB-8	EA	6	0%	6	0.250	\$ 30.72	\$ 7.68	\$ 1.85	\$ 9.53	\$ 57.18
869			3-Valve Manifold Removable Thermal Insulation Jacket	EA	3	0%	3	2.500	\$ 30.72	\$ 76.80	\$ 200.00	\$ 276.80	\$ 830.40
870			Pressure Transmitter	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
871			3/4" MNPT x 1/2" MNPT HEX Reducing Nipple (Short Nipple), SWAGelok, SS-12-HBN-8	EA	1	0%	1	0.400	\$ 30.72	\$ 12.29	\$ 45.50	\$ 57.79	\$ 57.79
872			Pressure Transmitter, ROSEMOUNT, 3051S	EA	1	0%	1	2.250	\$ 30.72	\$ 69.12	\$ -	\$ 69.12	\$ 69.12
873			2 Valve In-Line Manifold, EMERSON, 0306 RT 22 BA11	EA	1	0%	1	1.800	\$ 30.72	\$ 55.30	\$ 480.50	\$ 535.80	\$ 535.80
874			Plug 1/2", CROUSE-HINDS OR SIMILAR, PLG15	EA	1	0%	1	0.300	\$ 30.72	\$ 9.22	\$ 14.50	\$ 23.72	\$ 23.72
875			Pressure Gauge, 1/2" MNPT Process Connection, ASHCROFT, 4512	EA	5	0%	5	1.200	\$ 30.72	\$ 36.86	\$ 225.50	\$ 262.36	\$ 1,311.82
876			Block And Bleed Manifold, ASHCROFT, 50V022VASS50	EA	5	0%	5	1.560	\$ 30.72	\$ 47.92	\$ 285.50	\$ 333.42	\$ 1,667.12
877			3/4" MNPT x 1/2" MNPT HEX Reducing Nipple (Short Nipple), SWAGelok, SS-12-HBN-8	EA	5	0%	5	0.400	\$ 30.72	\$ 12.29	\$ 45.50	\$ 57.79	\$ 288.94
878			Street Elbow, 1/2" FNPT x 1/2" MNPT, SWAGelok, SS-8-SE	EA	5	0%	5	0.450	\$ 30.72	\$ 13.82	\$ 62.50	\$ 76.32	\$ 381.62
879			Temperature Transmitter Remote Mounted	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ -	\$ 30.72	\$ 30.72
880			Temperature Transmitter, ROSEMOUNT, 3144P	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ -	\$ 46.08	\$ 46.08
881			Temperature Sensor Element RTD+Connection Head, ROSEMOUNT, 214C	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ 320.50	\$ 335.86	\$ 335.86
882			Thermowell, ROSEMOUNT, 114C	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ 220.50	\$ 243.54	\$ 243.54
883			Temperature Transmitter In-Line Direct Mounted (NPT Threaded)	EA	1	0%	1	0.400	\$ 30.72	\$ 12.29	\$ -	\$ 12.29	\$ 12.29
884			Temperature Transmitter, ROSEMOUNT, 3144P	EA	1	0%	1	1.500</					

DETAILED BREAKDOWN OF ITEMS													
Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039 Project ID: 14052026 Scope: Electrical & Instruments										 +1 (214) 556-2605			
Date: 09/28/26													
SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
924			Ultraviolet Flame Detector	EA	1	0%	1	1.560	\$ 30.72	\$ 47.92	\$ -	\$ 47.92	\$ 47.92
925			Dynamic Self Check Ultraviolet Flame Detector, HONEYWELL, C7061A102/U	EA	1	0%	1	1.600	\$ 30.72	\$ 49.15	\$ -	\$ 49.15	\$ 49.15
926			Pipe Reducer	EA	1	0%	1	0.350	\$ 30.72	\$ 10.75	\$ 18.50	\$ 29.25	\$ 29.25
927			Multispectrum IR Flame Detector	EA	1	0%	1	2.500	\$ 30.72	\$ 76.80	\$ -	\$ 76.80	\$ 76.80
928			Multispectrum IR Flame Detector, 24VDC/4-20mA, DET-TRONICS, X3301	EA	1	0%	1	2.500	\$ 30.72	\$ 76.80	\$ -	\$ 76.80	\$ 76.80
929			Infrared Hydrocarbon Gas Detector, DET-TRONICS, PIRECL	EA	2	0%	2	3.000	\$ 30.72	\$ 92.16	\$ -	\$ 92.16	\$ 184.32
930			Pleeva Universal Display, DET-TRONICS, UD10	EA	2	0%	2	1.560	\$ 30.72	\$ 47.92	\$ 1,918.50	\$ 1,966.42	\$ 3,932.85
931			Det-Tronics Pirecl Anal UD10 Display	EA	1	0%	1	1.560	\$ 30.72	\$ 47.92	\$ 2,453.55	\$ 2,501.47	\$ 2,501.47
932			Pleeva Universal Display, DET-TRONICS, UD105A5N25T2	EA	1	0%	1	1.560	\$ 30.72	\$ 47.92	\$ 2,242.50	\$ 2,290.42	\$ 2,290.42
933			Infrared Hydrocarbon Gas Detector, DET-TRONICS, PIRECLA1D3T1	EA	1	0%	1	3.000	\$ 30.72	\$ 92.16	\$ -	\$ 92.16	\$ 92.16
934			Channel, C6 x 8.2	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ 80.50	\$ 95.86	\$ 95.86
935			Unistrut, 1.5", UNISTRUT, P1000	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ 53.50	\$ 73.47	\$ 73.47
936			Instrument Support Panel	EA	1	0%	1	0.350	\$ 30.72	\$ 10.75	\$ 155.50	\$ 166.25	\$ 166.25
937			UL Approved For Class 1 DIV 2, 3/4" Flex Metallic Conduit, CROUSE-HINDS OR SIMILAR	EA	1	0%	1	0.400	\$ 30.72	\$ 12.29	\$ 62.23	\$ 74.52	\$ 74.52
938			Liquid Tight Straight Fittings, Class 1 DIV 2, With Ground Lug 3/4", CROUSE-HINDS OR SIMILAR, LT875GC	EA	4	0%	4	0.380	\$ 30.72	\$ 11.67	\$ 55.47	\$ 67.14	\$ 268.57
939			Union Conduit 3/4" NPT, CROUSE-HINDS OR SIMILAR, UNY205	EA	1	0%	1	0.750	\$ 30.72	\$ 23.04	\$ 108.72	\$ 131.76	\$ 131.76
940			Union Conduit, 90°, 3/4" NPT, CROUSE-HINDS OR SIMILAR, UNL205	EA	2	0%	2	0.750	\$ 30.72	\$ 23.04	\$ 108.72	\$ 131.76	\$ 263.52
941			3/4" RGS Conduit	LF	1	0%	1	0.053	\$ 30.72	\$ 1.62	\$ 3.84	\$ 5.46	\$ 5.46
942			Conduit Fitting, Type "T" W/Gasket & Cover, 3/4", CROUSE-HINDS OR SIMILAR, LT29	EA	1	0%	1	0.400	\$ 30.72	\$ 12.29	\$ 52.52	\$ 64.81	\$ 64.81
943			Conduit Drain, 3/4", CROUSE-HINDS OR SIMILAR, CD2	EA	1	0%	1	0.400	\$ 30.72	\$ 12.29	\$ 48.06	\$ 60.35	\$ 60.35
944			3/4" Conduit Plug	EA	1	0%	1	0.300	\$ 30.72	\$ 9.22	\$ 4.50	\$ 13.72	\$ 13.72
945			Conduit Nipple, 3/4" NPT, CROUSE-HINDS OR SIMILAR	EA	45	0%	45	0.500	\$ 30.72	\$ 10.75	\$ 24.50	\$ 35.25	\$ 1,586.34
946			Union Conduit 3/4" NPT, CROUSE-HINDS OR SIMILAR, UNY205	EA	45	0%	45	0.750	\$ 30.72	\$ 23.04	\$ 108.72	\$ 131.76	\$ 5,929.20
947			Seal Conduit 3/4" FNPT, CROUSE-HINDS OR SIMILAR, EYSX21	EA	45	0%	45	0.480	\$ 30.72	\$ 14.75	\$ 68.50	\$ 83.25	\$ 3,746.05
948			Liquid Tight Straight Fittings, Class 1 DIV 2, With Ground Lug 3/4", CROUSE-HINDS OR SIMILAR, LT875GC	EA	90	0%	90	0.300	\$ 30.72	\$ 9.22	\$ 30.50	\$ 39.72	\$ 3,574.44
949			UL Approved For Class 1 DIV 2, 3/4" Flex Metallic Conduit, CROUSE-HINDS OR SIMILAR	EA	45	0%	45	0.380	\$ 30.72	\$ 11.67	\$ 35.02	\$ 46.69	\$ 2,101.21
950			Conduit Fitting, Type "LB" W/Gasket & Cover, 3/4", CROUSE-HINDS OR SIMILAR, LB29	EA	45	0%	45	0.400	\$ 30.72	\$ 12.29	\$ 52.52	\$ 64.81	\$ 2,916.36
951			Conduit Fitting, Type "T" W/Gasket & Cover, 3/4", CROUSE-HINDS OR SIMILAR, LT29	EA	45	0%	45	0.400	\$ 30.72	\$ 12.29	\$ 52.52	\$ 64.81	\$ 2,916.36
952			Conduit Drain, 3/4", CROUSE-HINDS OR SIMILAR, CD2	EA	45	0%	45	0.400	\$ 30.72	\$ 12.29	\$ 48.06	\$ 60.35	\$ 2,715.66
953			Selector Switch (JOA) Field Mounted	EA	1	0%	1	1.500	\$ 30.72	\$ 46.08	\$ 1,092.50	\$ 1,138.58	\$ 1,138.58
954			JOG Off Automatic Control Station, CROUSE-HINDS, EDS21274-S635	EA	1	0%	1	1.850	\$ 30.72	\$ 56.83	\$ 1,150.00	\$ 1,206.83	\$ 1,206.83
955			Shielded Galvanized Steel, 1.5", UNISTRUT, P100SL	EA	1	0%	1	0.560	\$ 30.72	\$ 17.20	\$ 38.50	\$ 55.70	\$ 55.70
956			1/4" SS Spring Nut, UNISTRUT, P100G1420-SS	EA	1	0%	1	0.450	\$ 30.72	\$ 13.82	\$ 40.14	\$ 53.96	\$ 53.96
957			1/4" x 1 1/2" LNG. SS Bolt W/ 1/4" SS Lock Washer	EA	1	0%	1	0.120	\$ 30.72	\$ 3.69	\$ 0.50	\$ 4.19	\$ 4.19
958			Conduit Nipple, 3/4" x Close	EA	1	0%	1	0.320	\$ 30.72	\$ 9.83	\$ 4.50	\$ 14.33	\$ 14.33
959			Conduit "LB" Fitting, Form B, W/Cover & Gasket, 3/4"	EA	1	0%	1	0.200	\$ 30.72	\$ 6.14	\$ 8.50	\$ 14.64	\$ 14.64
960			Conduit, Rigid Steel, HDG, 3/4"	EA	1	0%	1	0.300	\$ 30.72	\$ 9.22	\$ 28.50	\$ 37.72	\$ 37.72
961			Conduit Coupling, 3/4"	EA	1	0%	1	0.320	\$ 30.72	\$ 9.83	\$ 10.50	\$ 20.33	\$ 20.33
962			Conduit Chase Nipple, 3/4"	EA	1	0%	1	0.250	\$ 30.72	\$ 7.68	\$ 3.85	\$ 11.53	\$ 11.53
963			Nameplate, 3/8" Black Lettering 1" H x 4" L	EA	1	0%	1	0.320	\$ 30.72	\$ 9.83	\$ 40.50	\$ 50.33	\$ 50.33
964			Instrument Air Supply	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ 356.50	\$ 387.22	\$ 387.22
965			1/4" OD x 1/2" MNPT Tube Connector, 316SS, SWAGelok, SS-400-1-8	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ 48.50	\$ 63.86	\$ 63.86
966			1/4" OD x .049" Wall, 316SS Seamless Tubing, SWAGelok, SS-T4-S-049	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ 74.50	\$ 89.86	\$ 89.86
967			Gas Detector Broom Mounting Plate	EA	1	0%	1	0.560	\$ 30.72	\$ 17.20	\$ -	\$ 17.20	\$ 17.20
968			Point Infrared Eclipse Gas Detector, DET-Tronics (By Vendor)	EA	1	0%	1	2.800	\$ 30.72	\$ 86.02	\$ -	\$ 86.02	\$ 86.02
969			1/4" OD x 0.035" Wall Tubing, 317L SS, Seamless, Fully Annealed, Astm A269 317L SS	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ 74.50	\$ 89.86	\$ 89.86
970			1/4" Tubing Union To Be Added	EA	1	0%	1	0.350	\$ 30.72	\$ 10.75	\$ 20.50	\$ 31.25	\$ 31.25
971			1/4" Bug Screen Swagelok	EA	1	0%	1	0.350	\$ 30.72	\$ 10.75	\$ 32.50	\$ 43.25	\$ 43.25
972			1/4" Male x 1/4" Tube Elbow Swagelok	EA	1	0%	1	0.320	\$ 30.72	\$ 9.83	\$ 50.59	\$ 60.42	\$ 60.42
973			1/4" FNPT 3-Way Selector Swagelok SS-41X4 F/W Two Panel Mounting Nuts	EA	1	0%	1	0.650	\$ 30.72	\$ 19.97	\$ 148.56	\$ 168.53	\$ 174.67
974			1/4" Male x 1/4" Female Pipe Elbow Swagelok	EA	1	0%	1	0.350	\$ 30.72	\$ 10.75	\$ 30.50	\$ 41.25	\$ 41.25
975			1" x 3" Nameplate (Black With White Letters)	EA	1	0%	1	0.280	\$ 30.72	\$ 8.60	\$ 10.50	\$ 19.10	\$ 19.10
976			2 1/4" x 3" Long SS Bolts And 2-Set Of 1/4" SS Nuts, Flat Washer And Lock Washers	EA	1	0%	1	0.300	\$ 30.72	\$ 9.22	\$ 4.50	\$ 13.72	\$ 13.72
977			6mm Steel Mounting Plate	EA	1	0%	1	0.240	\$ 30.72	\$ 7.37	\$ 18.50	\$ 25.87	\$ 25.87
978			Strobe Details (Triple) Rack Mounted (Roof)	EA	1	0%	1	0.300	\$ 30.72	\$ 9.22	\$ 40.50	\$ 49.72	\$ 49.72
979			Flashing LED Hazardous Location Warning Light, RED, 191XL-120_240R, FEDERAL SIGNAL	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ 1,250.00	\$ 1,280.72	\$ 1,280.72
980			Flashing LED Hazardous Location Warning Light, Blue, 191XL-120_240B, FEDERAL SIGNAL	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ 1,250.00	\$ 1,280.72	\$ 1,280.72
981			Flashing LED Hazardous Location Warning Light, Amber, 191XL-120_240A, FEDERAL SIGNAL	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ 1,250.00	\$ 1,280.72	\$ 1,280.72
982			1" Form 7 Conduit Fitting, T37, CROUSE-HINDS	EA	4	0%	4	1.000	\$ 30.72	\$ 30.72	\$ 56.61	\$ 87.33	\$ 349.32
983			1" Reduced Conduit Plug, PLG3, CROUSE-HINDS	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ 20.50	\$ 51.22	\$ 51.22
984			1" x 3/4" Reducer, RE32-SA, CROUSE-HINDS	EA	3	0%	3	0.500	\$ 30.72	\$ 15.36	\$ 18.50	\$ 33.86	\$ 101.58
985			3/4" RGS Conduit	LF	1	0%	1	0.053	\$ 30.72	\$ 1.62	\$ 3.84	\$ 5.46	\$ 5.46
986			1" RGS Conduit	LF	1	0%	1	0.060	\$ 30.72	\$ 1.83	\$ 6.25	\$ 8.08	\$ 8.08
987			1" Bolt 1-1/2"	EA	2	0%	2	0.250	\$ 30.72	\$ 10.75	\$ 18.50	\$ 29.25	\$ 29.25
988			Beam Mount Bracket, TECHLINE	EA	1	0%	1	0.300	\$ 30.72	\$ 9.22	\$ 18.50	\$ 27.72	\$ 27.72
989			Conduit Drain, 3/4", CD2, CROUSE-HINDS	EA	1	0%	1	0.400	\$ 30.72	\$ 12.29	\$ 48.06	\$ 60.35	\$ 60.35
990			Reducer Conduit 1" x 3/4", RE32, CROUSE-HINDS	EA	1	0%	1	0.300	\$ 30.72	\$ 9.22	\$ 18.50	\$ 27.72	\$ 27.72
991			Valve W/Isolator Operator With Power Supply	EA	1	0%	1	1.850	\$ 30.72	\$ 56.83	\$ 256.50	\$ 313.33	\$ 313.33
992			Tubing, 316SS Seamless, 3/8" O.D x 0.035", ASTM A-269	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ 74.50	\$ 89.86	\$ 89.86
993			Tube Connector, Male 316SS, 3/8" T x 1/4" MNPT, Swagelok, SS-66-1-4	EA	4	0%	4	0.400	\$ 30.72	\$ 12.29	\$ 26.84	\$ 39.13	\$ 156.51
994			Tube Connector, Male 316SS, 3/8" T x 3/8" MNPT, Swagelok, SS-66-1-6	EA	2	0%	2	0.400	\$ 30.72	\$ 12.29	\$ 26.84	\$ 39.13	\$ 78.26
995			Filter, Instrument Gas Supply, Fisher, 2400 PSIG, 1/4" FNPT, Extended Body	EA	1	0%	1	1.000	\$ 30.72	\$ 30.72	\$ 137.50	\$ 168.22	\$ 168.22
996			Blowdowns Manifold Control Panel Layout & BOM Unit #8	EA	1	0%	1	3.85.					

DETAILED BREAKDOWN OF ITEMS

Prepared for:	Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
Project ID:	14052026
Scope:	Electrical & Instruments



Date: 09/28/26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
1054			Entirelec Terminal Block Type: M 4/6-P Green, ENTIRELEC, 115-113-16	EA	1	0%	1	0.320	\$ 30.72	\$ 9.83	\$ -	\$ 9.83	\$ 9.83
1055			Entirelec End Stop, Type: BAM, ENTIRELEC, 103-002-26	EA	18	0%	18	0.250	\$ 30.72	\$ 7.68	\$ -	\$ 7.68	\$ 136.24
1056			D9 KAIL, 35MM X 2.5IN, FINE-STEEL, ALLEN BRADLEY, 199-DR1	EA	1	0%	1	0.500	\$ 30.72	\$ 15.36	\$ -	\$ 15.36	\$ 15.36
1057			Stand Off Insulator, GLASTIC, 2165-1B	EA	1	0%	1	0.400	\$ 30.72	\$ 12.29	\$ -	\$ 12.29	\$ 12.29
1058			Stand Off Insulator, CORNING, SPH-DIN-KIT	EA	3	0%	3	0.650	\$ 30.72	\$ 19.97	\$ -	\$ 19.97	\$ 59.90
			FIRE ALARM										
			DEVICES										
1059		Supplied And Installed by I&E Contractor	Combo Fire Alarm Horn Strobo, L-SERIES	EA	2	0%	2	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -
1060			Fire Alarm Manual Pullstation, HONEYWELL PS-SATK	EA	2	0%	2	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -
1061			Fire Alarm Smoke/Temperature Detector	EA	4	0%	4	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -
1062			Fire Alarm Control Panel, w/BATTERY, HONEYWELL SK-4, EDWARDS 12V4A	EA	1	0%	1	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -
1063		Supplied By Kinder And Installed By I&E Contractor	Battery Bank, CD TECHNOLOGIES, EDWARDS 12V4A (For Fire Alarm Panel)	EA	2	0%	2	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -
1064			Fire Alarm Heat Detector	EA	2	0%	2	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -
1065			Hydrogen Sensor, LA MARCHE	EA	2	0%	2	0.000	\$ 30.72	\$ -	\$ -	\$ -	\$ -
1066			24V 2-Pole Relay, EATON D7P7ZAT1	EA	1	0%	1	1.350	\$ 30.72	\$ 41.47	\$ 34.50	\$ 75.97	\$ 75.97
1067			IP Relay Socket, EATON DP4AA	EA	1	0%	1	1.000	\$ 30.72	\$ 32.50	\$ 32.50	\$ 63.22	\$ 63.22
1068			Fire Alarm Terminal Block	EA	4	0%	4	0.800	\$ 30.72	\$ 24.58	\$ 28.50	\$ 53.08	\$ 212.30
1069			Fire Alarm Pam-1 Relay, HONEYWELL PAM-1	EA	1	0%	1	1.250	\$ 30.72	\$ 38.40	\$ 37.50	\$ 75.90	\$ 75.90
													SUBTOTAL

EARTHWORK

		EXCAVATION & BACKFILL										EXCAVATION & BACKFILL										EXCAVATION & BACKFILL										EXCAVATION & BACKFILL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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SUBTOTAL	\$	20,046
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		PROJECTED COST	\$3,838,312
PROFIT		10%	\$383,831
INSURANCE		3%	\$115,149
CONTINGENCY		5%	\$191,916
TAX		7%	\$212,829
SUGGESTED BID			\$4,742,037

Notes:

1. Online sources are used for pricing.
2. Prices can vary depending upon field conditions.

Phone: +1 (214) 556-2605

MATERIAL LIST

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
 Project ID: 14052026
 Scope: Electrical & Instruments



Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
GENERAL REQUIREMENTS					
1			Permits	LS	1
2			Supervision and Coordination	LS	1
3			Submittals and Shop drawings	LS	1
4			Final Cleaning	LS	1
5			Mobilization Costs	LS	1
6			Temporary Control & Facilities	LS	1
7			Scaffolding	LS	1
ELECTRICAL					
DISTRIBUTION					
CONDUIT					
8			2" EMT Conduit	EA	16
9			1" RGS Conduit	EA	1820
10			2" RGS Conduit	EA	831
11			3" RGS Conduit	EA	26
12			4" RGS Conduit	EA	126
13			5" RGS Conduit	EA	174
14			6" RGS Conduit	EA	128
15			1" PVC COATED RIGID GALVANIZED CONDUIT	EA	1652
16			2" PVC COATED RIGID GALVANIZED CONDUIT	EA	682
17			3" PVC COATED RIGID GALVANIZED CONDUIT	EA	68
18			4" PVC COATED RIGID GALVANIZED CONDUIT	EA	88
19			5" PVC COATED RIGID GALVANIZED CONDUIT	EA	167
20			6" PVC COATED RIGID GALVANIZED CONDUIT	EA	204
CONDUCTOR					
21			1/C #750KCMIL, MV-105, 15 kV, SHIELDED, OKONITE, 115-23-3802	Roll	19
22			1/C #4/0AWG, MV-105,15 kV, SHIELDED, OKONITE, 112-31-3464 (Green)	Roll	9
23			3/C #2AWG + 1/C #6AWG GND, MV-105, 15 kV, SHIELDED, OKONITE, 112-31-3377	Roll	1
24			1/C #3/0AWG, XHHW-2, OKONITE, 112-31-3374 (Green)	Roll	6
25			1/C #1AWG, XHHW-2, OKONITE, 112-31-3514 (Green)	Roll	1
26			1/C #2AWG, XHHW-2, OKONITE, 112-24-2531	Roll	2
27			1/C #250KCMIL, XHHW-2, OKONITE, 112-31-6404	Roll	4
28			1/C #500KCMIL, RHH-RHW2, OKONITE, 112-31-3759	Roll	13
29			3/C #4AWG + 1/C #12AWG GND,XHHW-2 Shielded VFD, OKONITE, 112-31-3777	Roll	7
30			3/C #4AWG+ 1/C #8AWG GND,XHHW-2, OKONITE, 112-31-3777	Roll	9
31			3/C #8AWG+ 1/C #10AWG GND,XHHW-2, OKONITE, 112-31-3791	Roll	11
32			3/C #1/0AWG+ 1/C #6AWG GND,XHHW-2, OKONITE, 112-31-3365	Roll	2
33			4/C #250KCMIL+ 1/C #4AWG GND,XHHW-2, OKONITE, 112-31-3383	Roll	1
34			3/C #2AWG+ 1/C #6AWG GND,XHHW-2, OKONITE, 112-31-3833	Roll	4
35			4/C #2/0AWG+ 1/C #6AWG GND,XHHW-2, OKONITE, 112-31-3704	Roll	1
36			3/C #10AWG+ 1/C #10AWG GND Insulated,XHHW-2, OKONITE, 112-31-3709	Roll	26
37			4/C #10AWG,XHHW-2, OKONITE, 112-31-3753	Roll	2
38			9/C #10AWG,XHHW-2, OKONITE, 112-31-3823	Roll	1
39			3/C #10AWG+ 1/C #10AWG GND,XHHW-2, OKONITE, 112-31-3503	Roll	16
40			3/C #12AWG+ 1/C #12AWG GND Insulated,XHHW-2, OKONITE, 112-31-3379	Roll	21
41			3/C #14AWG ,XHHW-2, OKONITE, 112-31-3785	Roll	34
42			3/C #350AWG+ 1/C #3AWG GND,XHHW-2, OKONITE, 112-31-33747	Roll	1
43			3/C #4/0AWG+ 1/C #4AWG GND,XHHW-2, OKONITE, 112-31-33735	Roll	2
44			3/C #6AWG+ 1/C #8AWG GND,XHHW-2, OKONITE, 112-31-3612	Roll	1
45			3/C #8AWG+ 1/C #10AWG GND,XHHW-2, OKONITE, 112-31-3797	Roll	2
46			12/C #12AWG,XHHW-2, OKONITE, 112-31-3612	Roll	4
47			3/C #500AWG+ 1/C #3AWG GND,XHHW-2, OKONITE, 112-31-3797	Roll	1
48			4PR#14 AWG, IS-OS, OKONITE, 261-60-5504	Roll	2
49			12PR#16 AWG, IS-OS, OKONITE, 261-60-4412	Roll	1
50			4PR#16 AWG, IS-OS, OKONITE, 261-60-4404	Roll	1
MV CABLE TERMINATION CABLE KIT					
51			25KV 600A T-Body, Outdoor, 1/C #750KCMIL, MV-105, 15kV, SHIELDED, 3	EA	9
52			25KV 600A T-Body, Outdoor, 3/C #2AWG + 1/C #6AWG GND, MV-105, 15kV	EA	1
53			5-35KV, Indoor, Cold Shrink QT-III, 1/C #750KCMIL, MV-105, 15kV, SHIELD	EA	9

MATERIAL LIST

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
Project ID: 14052026
Scope: Electrical & Instruments



Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
54			5-35KV, Outdoor, Cold Shrink QT-III, 1/C #750KCMIL, MV-105, 15kV, SHIEL	EA	9
55			5-35KV, Indoor, Cold Shrink QT-III, 3/C #2AWG + 1/C #6AWG GND, MV-105	EA	1
56			5-35KV, Indoor, Cold Shrink QT-III, 1/C #4/0AWG, MV-105,15kV, SHIELDED	EA	27
57			5-35KV, Outdoor, Cold Shrink QT-III, 1/C #4/0AWG, MV-105,15kV, SHIELDE	EA	3
			CIRCUIT BREAKER		
58			1P/15A Breaker 35KAIC	EA	4
59			1P/20A Breaker	EA	14
60			1P/20A Breaker 14KAIC	EA	16
61			1P/20A Breaker 18KAIC	EA	18
62			1P/20A Breaker 35KAIC	EA	23
63			1P/30A Breaker 35KAIC	EA	1
64			2P/20A Breaker 22KAIC	EA	10
65			2P/20A Breaker 35KAIC	EA	15
66			2P/30A Breaker 22KAIC	EA	1
67			2P/40A Breaker 22KAIC	EA	5
68			2P/100A Breaker	EA	1
68			3P/125A MCB	EA	2
69			2P/125A Breaker 22KAIC	EA	1
70			2P/250A Breaker 22KAIC	EA	1
71			2P/400A Breaker 22KAIC	EA	2
72			3P/500A MCB	EA	1
73			3P/30A Breaker 35KAIC	EA	1
74			3P/60A MCB	EA	1
75			3P/150A MCB	EA	1
76			3P/200A MCB 18KAIC	EA	1
			PANEL		
77			Panel UCG 9110 125A, 120/240V. 1PH, 3W, Mains: MCB, 18 Poles, 35KAIC	EA	1
78			Panel UCG 9130: 125A, 120/240V. 1PH, 3W, Mains: MCB, 30 Poles, 35KAIC	EA	1
79			Panel UCG 9140: 250A, 208/120V. 3PH, 4W, Mains: MCB, 42 Poles, Surfa	EA	1
80			Panel UCG 9150: 250A, 120/208V. 3PH, 4W, Mains: MCB, 42 Poles, Surface	EA	1
81			Panel UCG 9160: 60A, 480/277V. 3PH, 3W, Mains: MCB, 30 Poles, 35KAIC	EA	1
82			Panel UCG-9120: 600A, 120/208V. 1PH, 2W, Mains: MCB, 42 Poles, 35KAI	EA	1
83			UCF-9160: 15KV Switchgear	EA	1
84			UCF-9170 MCC: 2000A, 480V, 3PH, 3W, 65KAIC, 60Hz	EA	1
85			UCG-9161: Lighting Contractor Panel LC-1	EA	1
			DEVICES		
86			45KVA Transformer, 480X208/120VAC, 3PH, EATON, CLASS 1, DIV 2 #Z48	EA	1
87			75KVA Transformer, 480X208/120VAC, 3PH, HAMMOND POWER SOLUTIO	EA	1
			DISCONNECT SWITCH		
88			DC-BATT-9120, 600A, 125VDC 35KAIC (MIM) FUSSED DISCONNECT, #R	EA	1
89			480V Disconnect Switch, EATON EBMX1D-N100	EA	1
90			3P/175A Power Distribution Block, EDISON PB1013	EA	1
91			3P/600A/125VDC Disconnect Switch, 35KAIC, NEMA-1	EA	1
92			3P/100A Explosion Proof Disconnect Switch, EATON #EBMX1D-N100 RLN4	EA	1
93			3P/30A Disconnect Switch, CLASS 1 DIV2, EBMX1D-N030 RLN4	EA	3
94			3P/100A Disconnect Switch, CLASS 1 DIV2, EBMX1D-N100 RLN4	EA	1
95			3P/60A Disconnect Switch, CLASS 1 DIV2, EBMX1D-N060 RLN4	EA	1
96			3P/30A Disconnect Switch, CLASS 1 DIV2, EBMX1D-N030 RLN4	EA	1
97			3P/100A Disconnect Switch, CLASS 1 DIV2, EBMX1D-N100 RLN4	EA	1
			GROUNDING		
98			Exothermic / Cadweld Grounding, C— Copper, Run: #1/0 to #250KCMIL, 1/2"	EA	100
99			Exothermic / Cadweld Grounding, C— Copper, Run: #1/0 TO #250KCMIL, 1/2"	EA	600
100			Exothermic / Cadweld Grounding, C— Copper, Run: #1/0 TO #250 KCMIL, T	EA	30
101			Package Zinc Anode, #360P—42	EA	15
102			Air Terminal, Static Dissipating, Lighting Master, 1 LM — PP —31A	EA	55
103			#2/0 AWG HMWPE Green Grounding Cable	Roll	12
104			#250 KCMIL AWG HMWPE Green Grounding Cable	Roll	10
105			#2 AWG HMWPE Green Lightning Grounding Cable	Roll	5
			POWER		
			DEVICE		
106			110V, Duplex Receptacle, GFCI, #2094-W NEMA 5-20R, w/ELECT. BOX, LE	EA	4
107			Data Network Outlet (2) Wiremold, V5744S SURFACE METAL BOX (2) O	EA	2
108			110V,Duplex Receptacle, #IG420 , w/ELECT. BOX, LEGRAND	EA	4
109			20A, Duplex Receptacle, GFCI, #2095TRWR w/WIUC10-GL SINGLE GAND	EA	8
110			110V, Exhaust Fan Connection With Battery Backup, #H2FAN-12X12-110VAC	EA	1
111			110V, UPS Quad Receptacle, #IG420, HUBBEL	EA	2
			LIGHTING		
			CONDUIT		

MATERIAL LIST

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
Project ID: 14052026
Scope: Electrical & Instruments



Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
112			3/4" EMT Conduit	EA	24
113			3/4" RGS Conduit	EA	26
114			3/4" Flexible Conduit	EA	6
			LIGHTING FIXTURES		
115			L1: LED 100-277 VAC, Appleton #MLGAL32CP5BU MERCMaster Generator	EA	16
			1-5/8" x 1-5/8" Channel	EA	224
			Beam Clamo For 1-5/8" x 1-5/8" Channel	EA	64
			3/4" Conduit Tee, CROUSE-HINDS #GUAT26	EA	48
			3/8" Spring Nuts, Hex Head Bolts	EA	32
116			L2: Fixture, 30W LED, 100-277 VAC, APPLETON #MLLEDA22CP5BU1, Merc	EA	4
			1/4" Spring Nuts, Hex Head Bolts, Washers And Lock washers	EA	16
			1 5/8" x 1 5/8" Channel (Unistrut)	EA	32
			3/4" Conduit Clamp	EA	32
			Junction Box Dialight #HZXJB075	EA	16
117			L3: Fixture, 70W LED, 120-277VAC, APPLETON #AMLGL6CG6BU Areamast	EA	8
			1/4" Spring Nuts, Hex Head Bolts, Washers And Lockwashers	EA	8
			1 5/8" x 1 5/8" Channel (Unistrut)	EA	8
118			L4: LED Lighting Fixture	EA	19
			1 5/8" x 1 5/8" Channel (Unistrut)	EA	19
			Conduit Union, 3/4" CROUSE-HINDS #UNY205	EA	19
			Receptacle, Factory Sealed, 125V, 20A, 3 Wire, 2Pole, 3/4" Hub, Single Ga	EA	19
119			L8: LED Lighting Fixture	EA	3
			1 5/8" x 1 5/8" Channel (Unistrut)	EA	3
			3/4" Conduit Clamp	EA	3
			3/4" Conduit Hub, CROUSE-HINDS #ST-2	EA	3
			Emergency Light, Batt Backup, CROUSE-HINDS #AP70RWH DH	EA	3
120			110V, 60W LED Fixture, PART: #FNLED5CBSAD, ATX FNLED, APPLETON	EA	18
121			Exit Emergency Light w/Battery Backup, LITHONIA LIGHTING #LHQM-S-W-	EA	4
122			480V, 75WATT LED Wall Pack Lighting, AMLGL6CGLBU AREAMASTER G	EA	9
123			L18A: Flood Light Fixture 30K Lumens 250 Watts Appleton #AMLHL3C	EA	1
			3/4" Straight Flex Conduit Fitting	EA	2
			Poletop Bracket For 2 Lights, KW POLES #FA2180-36-2-KZ41-2	EA	1
			Poletop Bracket For 3 Lights, KW POLES #FA3180-36-2-KZ41-2	EA	1
			4"x4" Square Steel Break-Over Pole With 2" Tenon, 20' Tall KW #THSP20-4.00	EA	1
			Ground Sleeve	EA	1
			Conduit Sleeve, 1" PVC SCHEDULE 40	EA	1
			Fitting, 24" Radius Elbow Rigid Galvanized Steel, 40 MIL PVC COATED	EA	2
			Fitting, Conduit Grounding Bushing	EA	2
			Lowering Winch, Only One Needed Per Installatio	EA	1
124			L18B: Flood Light Fixture 30K Lumens 250 Watts Appleton #AMLHL3C	EA	2
			3/4" Straight Flex Conduit Fitting	EA	4
			Poletop Bracket For 2 Lights, KW POLES #FA2180-36-2-KZ41-2	EA	1
			Poletop Bracket For 3 Lights, KW POLES #FA3180-36-2-KZ41-2	EA	2
			4"x4" Square Steel Break-Over Pole With 2" Tenon, 20' Tall KW #THSP20-4.00	EA	1
			Ground Sleeve	EA	1
			Conduit Sleeve, 1" PVC SCHEDULE 40	EA	1
			Fitting, 24" Radius Elbow Rigid Galvanized Steel, 40 MIL PVC COATED	EA	2
			Fitting, Conduit Grounding Bushing	EA	2
			Lowering Winch, Only One Needed Per Installatio	EA	1
125			L18C: Flood Light Fixture 30K Lumens 250 Watts Appleton #AMLHL3C	EA	3
			3/4" Straight Flex Conduit Fitting	EA	6
			Poletop Bracket For 2 Lights, KW POLES #FA2180-36-2-KZ41-2	EA	3
			Poletop Bracket For 3 Lights, KW POLES #FA3180-36-2-KZ41-2	EA	1
			4"x4" Square Steel Break-Over Pole With 2" Tenon, 20' Tall KW #THSP20-4.00	EA	1
			Ground Sleeve	EA	1
			Conduit Sleeve, 1" PVC SCHEDULE 40	EA	1
			Fitting, 24" Radius Elbow Rigid Galvanized Steel, 40 MIL PVC COATED	EA	2
			Fitting, Conduit Grounding Bushing	EA	2
			Lowering Winch, Only One Needed Per Installatio	EA	1
126			L10: Flood Light Fixture Durosite 10100 Lumens 70 Watts Dialight Appleto	EA	1
			3/4" Conduit Hub, Crouse-Hinds #ST-2	EA	1
			3/4" Flex Conduit Straight Fitting	EA	2
			3/4" Conduit L Fitting Crouse-Hinds #LB27	EA	1
			5/16" Hex Head Bolts, Nuts, Washers And Lockwashers	EA	1
			1 5/8" x 1 5/8" Channel (UNISTRUT)	EA	1
			Flood Light Fixture Durosite 10100 Lumens 70 Watts Dialight Appleton #AM	EA	1
			3/4" Conduit Clamp	EA	1
			Receptacle, Factory Sealed, 125V, 20A, 3 Wire, 2POLE, 3/4" HUB, SINGL	EA	1

Phone: +1 (214) 556-2605

MATERIAL LIST

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
Project ID: 14052026
Scope: Electrical & Instruments



Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
			3/4" Insulated Throat Grounding Bushing	EA	1
			3/4" Conduit T Fitting Crouse-Hinds #T27	EA	1
			3/4" Conduit Seal Crouse-Hinds #EYS21	EA	1
			3/4" RGS Conduit Coupling	EA	1
			1/4" Hex Head Bolts, Nuts, Washers And Lockwashers	EA	1
127			L11: Emergency Light, 56W, With Exit Sign Crouse-Hinds #N2LPS12222/120	EA	1
			1 5/8" x 1 5/8" Channel (UNISTRUT)	EA	1
			Conduit Union, 3/4" Crouse-Hinds #UNY205	EA	1
			3/4" Conduit Clamp	EA	1
128			L12: Strobe Light, Amber, Federal Signal #225XL-024A (AMBER)	EA	1
			Conduit Union, 3/4" Crouse-Hinds #UNY205	EA	1
			1 5/8" x 1 5/8" Channel (UNISTRUT)	EA	1
			3/4" Conduit Coupling	EA	1
			Conduit Seal, 3/4" Crouse-Hinds #EYD21	EA	1
			3/4" Conduit Nipple	EA	1
			3/4" Conduit Clamp	EA	1
129			L13: Fixture, 60W LED, 100-277 VAC, Appleton #FNLED5CBUSAD, ATX FN	EA	1
			3/4" Conduit Clamp	EA	1
			3/4" Conduit Tee, Crouse-Hinds #GUAT26	EA	1
			Beam Clamp For 1 5/8" x 1 5/8" Channel (UNISTRUT)	EA	2
			1 5/8" x 1 5/8" Channel (UNISTRUT)	EA	1
			3/8" Spring Nuts, Hex Head Bolts, Washers And Lockwashers	EA	1
130			L14: Fixture, 70W LED, 120-277VAC, Appleton #AMLGL6CG6BU Areamaster	EA	1
			3/8" Stainless Steel Hardware	EA	4
			Wall Mount Bracket	EA	1
			GUAC59 With 1 Reducer RE51 And 1 Reducer RE52	EA	1
			1/2" Flexible Conduit Connector	EA	4
			1/2" J-Hook	EA	4
			1/2" Stainless Steel Hardware	EA	4
			Slipfitter Yoke Mounted	EA	1
			Flexible Liquidtight Metal, Conduit, 1/2", Anaconda Type U.A.	EA	1
			3/8" Steel Plate, Size As Required.	EA	1
			LIGHTING CONTROL		
131			3-Way Switch	EA	7
132			UCG-9161 480V Lighting Contactor/Panel, GE/EATON (Supplied And Installed	EA	1
133			Manual Bypass Switch, La MARCHE MBSW-100A-MB4B-4P (Supplied By Ele	EA	1
134			110V, 3-Way Switch, LEGRAND #CSB20AC3-W (Supplied And Installed By I&E	EA	6
135			110V, 4-WAY SWITCH, LEGRAND #CSB20AC4-W (Supplied And Installed B	EA	2
136			480V Photocell, INTERMATIC #K4135 (Supplied And Installed By I&E Contrac	EA	1
137			110V, Single-Way Switch, LEGRAND #CSB20AC1-W (Supplied And Installed I	EA	1
138			Photocell, EATON #D2S20 CLASS1, DIV2 With Surface Mounted Box 1" #HU	EA	1
139			12P/30A Electrically Held Lighting Contactor, ECL03C2A9A	EA	1
			MISCELLANEOUS		
140	388-31-E174.5		Pull Box 4'x4' With Cover, OLDCASTLE	EA	1
141			Pull Vault 4'x4'x5' With Cover, OLDCASTLE	EA	1

COMMUNICATION

TELECOMMUNICATION					
			CABLE TRAY		
142			12" Straight Section Aluminum, EATON B-LINE H46A06-12-240	LF	520
143			18" Straight Section Aluminum, EATON B-LINE H46A06-18-240	LF	120
144			36" Straight Section Aluminum, EATON B-LINE H46A06-36-240	LF	700
			CABLE TRAY ACCESSORIES		
145			12" Vertical Out Bend 90°, EATON B-LINE 6A-12-90V012	EA	2
146			36" Vertical Out Bend 90°, EATON B-LINE 6A-36-90V012	EA	6
147			12" Vertical In Bend 90°, EATON B-LINE 6A-12-90V112	EA	4
148			18" Vertical In Bend 90°, EATON B-LINE 6A-18-90V112	EA	1
149			36" Vertical In Bend 90°, EATON B-LINE 6A-36-90V112	EA	6
150			36" Horizontal Bend 90°, EATON B-LINE 6A-36-90HB12	EA	12
151			12" Horizontal Tee, EATON B-LINE 6A-12-90HT12	EA	5
152			18" Horizontal Tee, EATON B-LINE 6A-18-90HT12	EA	2
153			36" Horizontal Tee, EATON B-LINE 6A-36-90HT12	EA	8
154			Straight Section Barrier Strip, EATON B-LINE 757P-144	EA	88
155			Vertical Out 90° Barrier Strip, EATON B-LINE 757P-90V012	EA	8
156			Vertical In 90° Barrier Strip, EATON B-LINE 757P-90V112	EA	11
157			Horizontal Bend 90° Barrier Strip, EATON B-LINE 757P-90HBFL	EA	10
158			12" Straight Ventilated Cover, EATON B-LINE 817A-12-240	EA	31
159			36" Straight Ventilated Cover, EATON B-LINE 817A-36-240	EA	31
160			12" Vertical Out 90° Ventilated Cover, EATON B-LINE 817A-12-90V012	EA	2

Phone: +1 (214) 556-2605

MATERIAL LIST

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
Project ID: 14052026
Scope: Electrical & Instruments



Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
161			36" Vertical Out 90° Ventilated Cover, EATON B-LINE 817A-36-90V012	EA	4
162			12" Vertical In 90° Ventilated Cover, EATON B-LINE 8817A-12-90V112	EA	4
163			36" Vertical In 90° Ventilated Cover, EATON B-LINE 8817A-36-90V112	EA	6
164			36" Horizontal 90° Ventilated Cover, EATON B-LINE 817A-36-90HB12	EA	2
165			12" Frame Type Box Connector, ROXTEC GH 6x3 GALV	EA	3
166			36" Frame Type Box Connector, ROXTEC GH 6+6x3 GALV	EA	5
			SECURITY		
			DEVICES		
167		Supplied By Electrical AUX Building Vendor & Installed By TBD	Intrnsion Switch, #2845T-M, GE SECURITY	EA	5
168			Lead Lag Controller, ITEM #27	EA	4
			TUBING		
			TUBING		
169			1/4" Dia S.S Tubing	EA	106
170			3/8" Dia S.S Tubing	EA	20
171			1/2" Dia S.S Tubing	EA	32
172			3/4" Dia S.S Tubing	EA	16
			HEAT TRACE (Mfr. INVENT)		
			CONDUCTOR		
173			8W/ft, 120V Self— Reg Heating Cable (CLASS 1 DIV 2), 8BTV1—CT	Roll	2
			DEVICES		
174			Above —Insulation Lighted End Seal Kit (CLASS 1 DIV 2), E—100—L— A	EA	5
175			Single— Entry Power Kit with Junction Box (CLASS 1 DIV 2), JBS—100A	EA	4
176			Double— Entry Power Kit With Junction Box (CLASS 1 DIV 2), JBM —100A	EA	1
177			0—49°C HAZ. Thermostat (99—132VAC), ETS —05—A1 R —P	EA	4
178			Electric Traced Label for traced pipes and tanks, ETL— ENT LISH	EA	19
179			Glass Tope (6 6ft/roll) (not for stain less —steel pipe), GT-66	EA	4
180			Pipe Strap 1 inch to 3 inch, PS-3	EA	8
181			RTD WITH 10FT S/S Corrugated SHLD, RTD 10CS	EA	4
182			BE 20AMP, 30mA GFEP BREAKER, 1 — Pole, Bolt ON, 10KAIC, THQB-GFT	EA	4
			INSTRUMENTATION		
			CONDUIT		
183			3/4" RGS Conduit	EA	1337
184			1" RGS Conduit	EA	881
185			1-1/2" RGS Conduit	EA	262
186			2" RGS Conduit	EA	52
			CONDUCTOR		
187			1PR#16 AWG - 600V 90 DegC - TC-UL, OKONITE, 264-60-4401	Roll	120
188			1TR#16 AWG - 600V 90 DegC - TC-UL,	Roll	52
189			2PR#16 AWG - 600V 90 DegC - TC-UL,	Roll	15
190			4PR#16 AWG - 600V 90 DegC - TC-UL,	Roll	46
191			8PR#16 AWG - 600V 90 DegC - TC-UL,	Roll	11
192			16PR#16 AWG - 600V 90 DegC - TC-UL,	Roll	3
193			12TR#16 AWG - 600V 90 DegC - TC-UL,	Roll	6
194			12 fibers, 50 um multimode (OM3),	Roll	15
195			CAT6 U/UTP 4PR#23 AWG - LSZH,	Roll	63
			DEVICES		
196			TE-161: TEMPERATURE ELEMENT (RTD), CONAX &10-1287-1	EA	1
197			TW-161: THERMOWELL, TBC TBC	EA	1
198			TE-171: TEMPERATURE ELEMENT (RTD), CONAX 10-1286-1	EA	1
199			TW-171: THERMOWELL, ALLOY ENGINEERING 260 FH-U7	EA	1
200			RO-81S: RESTRICTION ORIFICE, TBC TBC	EA	1
201			RO-81D: RESTRICTION ORIFICE, TBC TBC	EA	1
202			TE-163: TEMPERATURE ELEMENT (RTD), CONAX &10-1287-1	EA	1
203			TW-163: THERMOWELL, TBC TBC	EA	1
204			TE-173: TEMPERATURE ELEMENT (RTD), CONAX 10-1286-1	EA	1
205			TW-173: THERMOWELL, ALLOY ENGINEERING 260 FH-U7	EA	1
206			RO-83S: RESTRICTION ORIFICE, TBC TBC	EA	1
207			RO-83D: RESTRICTION ORIFICE, TBC TBC	EA	1
208			TE-165: TEMPERATURE ELEMENT (RTD), CONAX &10-1287-1	EA	1
209			TW-165: THERMOWELL, TBC TBC	EA	1
210			TE-175: TEMPERATURE ELEMENT (RTD), CONAX 10-1286-1	EA	1
211			TW-175: THERMOWELL, ALLOY ENGINEERING 260 FH-U7	EA	1
212			RO-85S: RESTRICTION ORIFICE, TBC TBC	EA	1
213			RO-85D: RESTRICTION ORIFICE, TBC TBC	EA	1
214			PIT-0801: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7 (IDD 01-06)	EA	1

MATERIAL LIST

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
Project ID: 14052026
Scope: Electrical & Instruments



Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
215		Purchased By KM	TE-0820: TEMPERATURE ELEMENT (RTD), ROSEMOUNT 214CRHSMB1S3E0090SLE5AT1C 3B1WDV20Q4XW (IDD 02-04)	EA	1
216			TW-0820: THERMOWELL, ROSEMOUNT 114CE0072TAB2SC017AQ8R21X W (IDD 02-04)	EA	1
217			DPIT-0801: DIFF PRESSURE TRANSMITTER, ROSEMOUNT 3051CD3A02A1AS5E5M5Q4Q8T1 HR7 (IDD 01-04)	EA	1
218			RO-100A: RESTRICTION ORIFICE, ROSEMOUNT 1495PG160A9SD10500BCW R3FL Q8	EA	1
219			RO-101A: RESTRICTION ORIFICE, ROSEMOUNT 1495PC160A9SDC09750BCW R3FI Q8 (By KM Installed ByTBC	EA	1
220			PIT-0831: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7 (IDD 01-06)	EA	1
221			TE-0830: TEMPERATURE ELEMENT (RTD), ROSEMOUNT 214CRHSMB1S3E0077SLE5AT1C 3B1WDV20Q4XW (IDD 02-04)	EA	1
222			TW-0830: THERMOWELL, ROSEMOUNT 114CE0060TAB2SC017AQ8R21X W (IDD 02-04)	EA	1
223			DPIT-0831: DIFF PRESSURE TRANSMITTER, ROSEMOUNT 3051CD3A02A1AS5E5M5Q4Q8T1 HR7 (IDD 01-04)	EA	1
224			RO-200A: RESTRICTION ORIFICE, ROSEMOUNT 1495UC120RFSC07800BCW R3PH FLQ8	EA	1
225		Purchased By SIEMENS (COMP #8 UNIT)	RO-201A: RESTRICTION ORIFICE, ROSEMOUNT 1495UC120RFSC07100BCW R3PH FIQ8	EA	1
226			TE-262: TEMPERATURE ELEMENT (RTD), CONAX &10-1287-1	EA	1
227			TW-262: THERMOWELL, TBC TBC	EA	1
228			TE-272: TEMPERATURE ELEMENT (RTD), CONAX 10-1286-1	EA	1
229			TW-272: THERMOWELL, ALLOY ENGINEERING 260 FH-U7	EA	1
230			RO-82S: RESTRICTION ORIFICE, TBC TBC	EA	1
231			RO-82D: RESTRICTION ORIFICE, TBC TBC	EA	1
232			TE-264: TEMPERATURE ELEMENT (RTD), CONAX &10-1287-1	EA	1
233			TW-264: THERMOWELL, TBC TBC	EA	1
234			TE-274: TEMPERATURE ELEMENT (RTD), CONAX 10-1286-1	EA	1
235			TW-274: THERMOWELL, ALLOY ENGINEERING 260 FH-U7	EA	1
236			RO-84S: RESTRICTION ORIFICE, TBC TBC	EA	1
237			RO-84D: RESTRICTION ORIFICE, TBC TBC	EA	1
238			TE-266: TEMPERATURE ELEMENT (RTD), CONAX &10-1287-1	EA	1
239			TW-266: THERMOWELL, TBC TBC	EA	1
240			TE-276: TEMPERATURE ELEMENT (RTD), CONAX 10-1286-1	EA	1
241			TW-276: THERMOWELL, ALLOY ENGINEERING 260 FH-U7	EA	1
242			RO-86S: RESTRICTION ORIFICE, TBC TBC	EA	1
243			RO-86D: RESTRICTION ORIFICE, TBC TBC	EA	1
244		Purchased By PEERLESS (V-8100)	LIT-8101: LEVEL TRANSMITTER, ROSEMOUNT 5301HA1P1N4AE00300ACE5M1T1 Q8	EA	1
245			LSHH-8102: LEVEL SWITCH, MAGTECH MLS-3EX-MAZZZS1C1E8	EA	1
246			LSL-8103: LEVEL SWITCH, MAGTECH MLS-3EX-MAZZZS1C1E8	EA	1
247			LG-8104: LEVEL GAUGE, MAGTECH 9935B3ACZ3AS4E018006ACADL8 BSQ8B2B	EA	1
248			PI-8105: PRESSURE GAUGE, ASHCROFT 45-1279-S-SL-04L-XSG / 2000	EA	1
249			DPIT-8100: DIFF PRESSURE TRANSMITTER, ROSEMOUNT 3051S2CD3A2A11A1AE5M5Q4Q8 TI	EA	1
250			TI-8106: THERMOMETER, ASHCROFT 50EL42E060 YW	EA	1
251			TW-8106: THERMOWELL, ASHCROFT 10W 0450HT260S	EA	1
252			LCV-8101: CONTROL VALVE, FISHER D4 / DVC6200	EA	1
253			SVO-8101: SOLENOID, ASCO EF8320G176	EA	1
254		Purchased By PEERLESS (V-8300)	PSV-8300: PRESSURE SAFETY VALVE, AGCO 83S1M88-8	EA	1
255			LIT-8301: LEVEL TRANSMITTER, ROSEMOUNT 5301HA1P1N4AE00300ACE5M1T1 Q8	EA	1
256			LSHH-8302: LEVEL SWITCH, MAGTECH MLS-3EX-MAZZZS1C1E8	EA	1
257			LSL-8303: LEVEL SWITCH, MAGTECH MLS-3EX-MAZZZS1C1E8	EA	1
258			LG-8304: LEVEL GAUGE, MAGTECH 9935B3ACZ3AS4E018006ACADL8 BSQ8B2B	EA	1
259			PI-8305: PRESSURE GAUGE, ASHCROFT 45-1279-S-SL-04L-XSG / 2000 PSIG	EA	1

MATERIAL LIST

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
Project ID: 14052026
Scope: Electrical & Instruments



Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
260			DPIT-8300: DIFF PRESSURE TRANSMITTER, ROSEMOUNT 3051S2CD3A2A11A1AE5M5Q4Q8 T1	EA	1
261			TI-8306: THERMOMETER, ASHCROFT 50EL42E060 YW	EA	1
262			TW-8306: THERMOWELL, ASHCROFT 10W 0450HT260S	EA	1
263			LCV-8301: CONTROL VALVE, FISHER D4 / DVC6200	EA	1
264			SVO-8301: SOLENOID, ASCO EF8320G176	EA	1
265			BV-0801: ON-OFF VALVE, T.R.P. TBC	EA	1
266			SVC-0801: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
267			SVO-0801: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
268			ZSC-0801: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
269			ZSO-0801: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
270			BV-0806: ON-OFF VALVE, EMERSON TBC (IDD 05-04) & (IDD 05-07)	EA	1
271			SVO-0806: SOLENOID, PETER PAUL E24HJ9ZCCM, ASSEMBLED WITH VALVE	EA	1
272			ZSC-0806: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1
273			ZSO-0806: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1
274			RO-0806: RESTRICTION ORIFICE, ROSEMOUNT 1495PG020A6SA01000BCW R3FL Q8	EA	1
275			BV-0802: ON-OFF VALVE, T.R.P. TBC	EA	1
276			SVC-0802: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
277			SVO-0802: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
278			ZSC-0802: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
279			ZSO-0802: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
280			BV-0803: ON-OFF VALVE, T.R.P. TBC	EA	1
281			SVC-0803: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
282			SVO-0803: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
283			ZSC-0803: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
284			ZSO-0803: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
285			RO-0807: RESTRICTION ORIFICE, ROSEMOUNT 1495PG020A6SA00250BCW R3FL Q8	EA	1
286			RO-0803: RESTRICTION ORIFICE, ROSEMOUNT 1495PG020A6SA00250BCW R3FL Q8	EA	1
287			RO-0804: RESTRICTION ORIFICE, ROSEMOUNT 1495UC020RFSC00250BCW R3PH FLQ8	EA	1
288			RO-0805: RESTRICTION ORIFICE, ROSEMOUNT 1495UC020RFSC00250BCW R3PH FLQ8	EA	1
289			BV-0804: ON-OFF VALVE, DELTA TBC	EA	1
290			SVC-0804: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
291			SVO-0804: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
292			ZSC-0804: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
293			ZSO-0804: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
294			BV-0805: ON-OFF VALVE, DELTA TBC	EA	1
295			SVC-0805: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
296			SVO-0805: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
297			ZSC-0805: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
298			ZSO-0805: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
299			BPV-0807: ON-OFF VALVE, DELTA TBC	EA	1
300			SVC-0807: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
301			SVO-0807: SOLENOID, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
302			ZSC-0807: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
303			ZSO-0807: LIMIT SWITCH, SHAFER TBC, ASSEMBLED WITH VALVE	EA	1
304			BDV-0808: ON-OFF VALVE, EMERSON TBC (IDD 05-04) & (IDD 05-07)	EA	1
305			SVC-0808: SOLENOID, PETER PAUL E24HJ9ZCCM, ASSEMBLED WITH VALVE	EA	1
306			ZSC-0808: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1
307			ZSO-0808: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1

MATERIAL LIST

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
308		Purchased By KM	BPV-0809: ON-OFF VALVE, EMERSON TBC (IDD 05-04) & (IDD 05-07)	EA	1
309			SVO-0809: SOLENOID, PETER PAUL E24HJ9ZCCM, ASSEMBLED WITH VALVE	EA	1
310			ZSC-0809: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1
311			ZSO-0809: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1
312			BDV-0810: ON-OFF VALVE, EMERSON TBC (IDD 05-04) & (IDD 05-07)	EA	1
313			SVC-0810: SOLENOID, PETER PAUL E24HJ9ZCCM, ASSEMBLED WITH VALVE	EA	1
314			ZSC-0810: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1
315			ZSO-0810: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1
316			BDV-0811: ON-OFF VALVE, EMERSON TBC (IDD 05-04) & (IDD 05-07)	EA	1
317			SVC-0811: SOLENOID, PETER PAUL E24HJ9ZCCM, ASSEMBLED WITH VALVE	EA	1
318			ZSC-0811: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1
319			ZSO-0811: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1
320			PIT-0802: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7(By KM Installed By388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1
321			PIT-0803: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7(By KM Installed By388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1
322			PIT-0804: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7(By KM Installed By388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1
323			PIT-0805: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG3A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7(By KM Installed By388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1
324			PIT-0806: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG3A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7(By KM Installed By388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1
325			PIT-0808: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7(By KM Installed By388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1
326			PIT-0809: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7(By KM Installed By388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1
327			PIT-0810: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7(By KM Installed By388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1
328			PIT-0814: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7(By KM Installed By388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1
329			PSHH-0803: PRESSURE SWITCH, NEO-DYN 231P46CC6(By KM Installed By388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1
330			PSHH-0804: PRESSURE SWITCH, NEO-DYN 231P45CC6(By KM Installed By388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1
331			PI-0801: PRESSURE GAUGE, ASHCROFT 451279SSL04LXNHSG4000#(By KM Installed By388-50-E167 (IDD 01-08)	EA	1
332			PI-0802: PRESSURE GAUGE, ASHCROFT 451279SSL04LXNHSG2000#(By KM Installed By388-50-E167 (IDD 01-08)	EA	1
333			PI-0812: PRESSURE GAUGE, ASHCROFT 451279SSL04LXNHSG4000#(By KM Installed By388-50-E167 (IDD 01-08)	EA	1
334			PI-0813: PRESSURE GAUGE, ASHCROFT 451279SSL04LXNHSG2000#(By KM Installed By388-50-E167 (IDD 01-08)	EA	1
335			PSV-8100: PRESSURE SAFETY VALVE, TBC TBC	EA	1
336			PSV-8005: PRESSURE SAFETY VALVE, TBC TBC	EA	1
337			PSV-8006: PRESSURE SAFETY VALVE, TBC TBC	EA	1

MATERIAL LIST

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
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Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
338		Purchased By Kingtool (V-8200)	LIT-8201: LEVEL TRANSMITTER, ROSEMOUNT 9930074BAE1E02475SD1FBH0SB 8AZB8AZF01200C0ZZ	EA	1
339			LSHH-8202: LEVEL SWITCH, ROSEMOUNT MLS3EX-MAZZZS1C1E8	EA	1
340			LSL-8203: LEVEL SWITCH, ROSEMOUNT MLS3EX-MAZZZS1C1E8 (By Kingtool (V-8200) Installed By TBC	EA	1
341			LG-8204: LEVEL GAUGE, ROSEMOUNT 9930085BAF1E02475SD1FBH0SB 8AZB8AZF01200C0ZZ	EA	1
342			PI-8205: PRESSURE GAUGE, ASHCROFT 45-1009-S-L-04-B-2000	EA	1
343			TI-8206: THERMOMETER, ASHCROFT 50-EI-60E-040	EA	1
344			TW-8206: THERMOWELL, ASHCROFT 10W 0250 HT 260 C	EA	1
345			LCV-8201: CONTROL VALVE, FISHER D4 / DVC6200	EA	1
346			SVO-8201: SOLENOID, ASCO 535-1510566	EA	1
347			PRV-8201: PRESSURE REGULATOR, FISHER 67CFR	EA	1
348			PSV-8200: PRESSURE SAFETY VALVE, AGCO 83S1M88-6	EA	1
349		Purchased By Kingtool (V-8400)	LIT-8401: LEVEL TRANSMITTER, ROSEMOUNT 9930085BAF1E02475SD1FBH0SB 8AZB8AZF01200C0ZZ	EA	1
350			LSHH-8402: LEVEL SWITCH, ROSEMOUNT MLS3EX-MAZZZS1C1E8	EA	1
351			LSL-8403: LEVEL SWITCH, ROSEMOUNT MLS3EX-MAZZZS1C1E8	EA	1
352			LG-8404: LEVEL GAUGE, ROSEMOUNT 9930085BAF1E02475SD1FBH0SB 8AZB8AZF01200C0ZZ	EA	1
353			PI-8405: PRESSURE GAUGE, ASHCROFT 45-1009-S-L-04-B-3000	EA	1
354			TI-8406: THERMOMETER, ASHCROFT 50-EI-60E-040	EA	1
355			TW-8406: THERMOWELL, ASHCROFT 10W 0250 HT 260 C	EA	1
356			LCV-8401: CONTROL VALVE, FISHER D4 / DVC6200	EA	1
357			SVO-8401: SOLENOID, ASCO 535-1510566	EA	1
358			PRV-8401: PRESSURE REGULATOR, FISHER 67CFR	EA	1
359			PSV-8400: PRESSURE SAFETY VALVE, AGCO 83S1M88-6	EA	1
360		Purchased By KM	TE-0811: TEMPERATURE ELEMENT (RTD), ROSEMOUNT 214CRHSMB1S3E0087SLE5AT1C 3B1WDV20Q4XW (By KM Installed By 388-50-E167 (IDD 02-04) 388-50-E169 (IDD 07-03)	EA	1
361			TW-0811: THERMOWELL, ROSEMOUNT 114CE0070TAB2SC017AQ8R21X W (By KM Installed By 388-50-E167 (IDD 02-04)	EA	1
362			TE-0812: TEMPERATURE ELEMENT (RTD), ROSEMOUNT 214CRHSMB1S3E0077SLE5AT1C 3B1WDV20Q4XW (By KM Installed By 388-50-E167 (IDD 02-04) 388-50-E169 (IDD 07-03)	EA	1
363			TW-0812: THERMOWELL, ROSEMOUNT 114CE0060TAB2SC017AQ8R21X W (By KM Installed By 388-50-E167 (IDD 02-04)	EA	1
364		Purchased By TEK-FINS (GAS COOLER)	VT-8110: VIBRATION TRANSMITTER, METRIX VIBRATION ST548E-121-020-00	EA	1
365			VT-8120: VIBRATION TRANSMITTER, METRIX VIBRATION ST548E-121-020-00	EA	1
366			VT-8210: VIBRATION TRANSMITTER, METRIX VIBRATION ST548E-121-020-00	EA	1
367			VT-8220: VIBRATION TRANSMITTER, METRIX VIBRATION ST548E-121-020-00	EA	1
368			VT-8310: VIBRATION TRANSMITTER, METRIX VIBRATION ST548E-121-020-00	EA	1
369			VT-8320: VIBRATION TRANSMITTER, METRIX VIBRATION ST548E-121-020-00	EA	1
370			VT-8410: VIBRATION TRANSMITTER, METRIX VIBRATION ST548E-121-020-00	EA	1
371			VT-8420: VIBRATION TRANSMITTER, METRIX VIBRATION ST548E-121-020-00	EA	1
372		Purchased By KM	HS-8110: HAND SWITCH, TBC TBC	EA	1
373			HS-8120: HAND SWITCH, TBC TBC	EA	1
374			HS-8210: HAND SWITCH, TBC TBC	EA	1
375			HS-8220: HAND SWITCH, TBC TBC	EA	1
376			HS-8310: HAND SWITCH, TBC TBC	EA	1
377			HS-8320: HAND SWITCH, TBC TBC	EA	1
378			HS-8410: HAND SWITCH, TBC TBC	EA	1
379			HS-8420: HAND SWITCH, TBC TBC	EA	1
380		Purchased By SILENCER VENDOR	RO-8600: RESTRICTION ORIFICE, TBC TBC	EA	1
381		Purchased By KM	LIT-8801: LEVEL TRANSMITTER, TBC TBC	EA	1
382			LSH-8802: LEVEL SWITCH, TBC TBC	EA	1
383			LSL-8802: LEVEL SWITCH, TBC TBC	EA	1
384			LG-8803: LEVEL GAUGE, TBC TBC	EA	1
385			TI-8805: THERMOMETER, TBC TBC	EA	1
386			TW-8805: THERMOWELL, TBC TBC	EA	1
387			PSV-8807: PRESSURE SAFETY VALVE, TBC TBC	EA	1
388			DPIT-8804: DIFF PRESSURE TRANSMITTER, ROSEMOUNT 3051CD3A02A1AS5E5M5Q4Q8T1 HR7 (By KM Installed By 388-50-E167 (IDD 01-04) 388-50-E167 (IDD 07-03)	EA	1
389		Purchased By SIEMENS (COMP	PSV-8501: PRESSURE SAFETY VALVE, TBC TBC	EA	1
390			TCV-137: CONTROL VALVE, AMOT 3BOCF13001	EA	1

MATERIAL LIST

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
Project ID: 14052026
Scope: Electrical & Instruments



Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
391		#8 UNIT)	VT-8500: VIBRATION TRANSMITTER, TBC TBC	EA	1
392		Purchased By KM	HS-8500: HAND SWITCH, TBC TBC	EA	1
393			HS-1040: HAND SWITCH, TBC TBC	EA	1
394		Purchased By SIEMENS (LUBE OIL SKID)	TI-271: THERMOMETER, ROSEMOUNT 214CRW SMB1S4E0037SLATIC3B 1XW	EA	1
395			TW-271: THERMOWELL, ROSEMOUNT 114CE0020TAC1SF017AQ8XW	EA	1
396		Purchased By SIEMENS (COMP #8 UNIT)	PI-218: PRESSURE GAUGE, TBC TBC	EA	1
397			PIT-223: PRESSURE TRANSMITTER, TBC 2051TG2A2B21AB4E5	EA	1
398			FG-211: FLOW GAUGE, JACOB TARBOX 300-S	EA	1
399			TI-212: THERMOMETER, ASHCROFT 50EI60E060XNNSG0/250F	EA	1
400			TW-212: THERMOWELL, ALLOY ENGINEERING 1.00"-260S-U2-1/2"	EA	1
401			FG-214: FLOW GAUGE, TBC TBC	EA	1
402			TI-215: THERMOMETER, TBC TBC	EA	1
403			TW-215: THERMOWELL, TBC TBC	EA	1
404			FG-231: FLOW GAUGE, JACOB TARBOX 300-S	EA	1
405			TI-232: THERMOMETER, ASHCROFT 50EI60E060XNNSG0/250F	EA	1
406			TW-232: THERMOWELL, ALLOY ENGINEERING 1.00"-260S-U2-1/2"	EA	1
407			FG-234: FLOW GAUGE, TBC TBC	EA	1
408			TI-235: THERMOMETER, TBC TBC	EA	1
409			TW-235: THERMOWELL, TBC TBC	EA	1
410			FG-251: FLOW GAUGE, JACOB TARBOX 300-S	EA	1
411			TI-252: THERMOMETER, ASHCROFT 50EI60E060XNNSG0/250F	EA	1
412			TW-252: THERMOWELL, ALLOY ENGINEERING 1.00"-260S-U2-1/2"	EA	1
413			FG-254: FLOW GAUGE, TBC TBC	EA	1
414			TI-255: THERMOMETER, TBC TBC	EA	1
415			TW-255: THERMOWELL, TBC TBC	EA	1
416			FG-221: FLOW GAUGE, JACOB TARBOX 300-S	EA	1
417			TI-222: THERMOMETER, ASHCROFT 50EI60E060XNNSG0/250F	EA	1
418			TW-222: THERMOWELL, ALLOY ENGINEERING 1.00"-260S-U2-1/2"	EA	1
419			FG-224: FLOW GAUGE, TBC TBC	EA	1
420			TI-225: THERMOMETER, TBC TBC	EA	1
421			TW-225: THERMOWELL, TBC TBC	EA	1
422			FG-241: FLOW GAUGE, JACOB TARBOX 300-S	EA	1
423			TI-242: THERMOMETER, ASHCROFT 50EI60E060XNNSG0/250F	EA	1
424			TW-242: THERMOWELL, ALLOY ENGINEERING 1.00"-260S-U2-1/2"	EA	1
425			FG-244: FLOW GAUGE, TBC TBC	EA	1
426			TI-245: THERMOMETER, TBC TBC	EA	1
427			TW-245: THERMOWELL, TBC TBC	EA	1
428			FG-261: FLOW GAUGE, JACOB TARBOX 300-S	EA	1
429			TI-262: THERMOMETER, ASHCROFT 50EI60E060XNNSG0/250F	EA	1
430			TW-262A: THERMOWELL, ALLOY ENGINEERING 1.00"-260S-U2-1/2"	EA	1
431			FG-264: FLOW GAUGE, TBC TBC	EA	1
432			TI-265: THERMOMETER, TBC TBC	EA	1
433			TW-2625: THERMOWELL, TBC TBC	EA	1
434			TE-537: TEMPERATURE ELEMENT (RTD), TBC TBC	EA	1
435			VT-546: VIBRATION TRANSMITTER, METRIX VIBRATION ST5484E-152-0412-22	EA	1
436			TE-501: TEMPERATURE ELEMENT (RTD), MOTOR VENDOR TBC	EA	1
437			TE-502: TEMPERATURE ELEMENT (RTD), MOTOR VENDOR TBC	EA	1
438			TE-503: TEMPERATURE ELEMENT (RTD), MOTOR VENDOR TBC	EA	1
439			TE-504: TEMPERATURE ELEMENT (RTD), MOTOR VENDOR TBC	EA	1
440			TE-505: TEMPERATURE ELEMENT (RTD), MOTOR VENDOR TBC	EA	1
441			TE-506: TEMPERATURE ELEMENT (RTD), MOTOR VENDOR TBC	EA	1
442			TE-507: TEMPERATURE ELEMENT (RTD), MOTOR VENDOR TBC	EA	1
443			TE-508: TEMPERATURE ELEMENT (RTD), MOTOR VENDOR TBC	EA	1
444			TE-509: TEMPERATURE ELEMENT (RTD), MOTOR VENDOR TBC	EA	1
445			ZS-120: LIMIT SWITCH, MICRO SWITCH 16CX2C / LSZ55C	EA	1
446			ZS-119: LIMIT SWITCH, MICRO SWITCH 16CX2C / LSZ51A	EA	1
447			TE-311: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1
448			TE-312: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1
449			TE-313: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1
450			TE-314: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1
451			TE-315: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1
452			TE-316: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1
453			TE-317: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1

MATERIAL LIST

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
Project ID: 14052026
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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
454			TE-318: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1
455			TE-319: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1
456			TE-320: TEMPERATURE ELEMENT (RTD), CONAX 10-1287-1	EA	1
457			VT-321: VIBRATION TRANSMITTER, TBC TBC	EA	1
458			VT-322: VIBRATION TRANSMITTER, TBC TBC	EA	1
459			TC-102: HEATER CONTROLLER, CALORITECH CXST 12091-15	EA	1
460			LG-107: LEVEL GAUGE, LOWELL TBC	EA	1
461			140F-	EA	1
462			LSL-106: LEVEL SWITCH, TBC TBC	EA	1
463			PRV-156: PRESSURE SAFETY VALVE, FULFLO VJ-7RV	EA	1
464			PI-121: PRESSURE GAUGE, ASHCROFT 045-1279SSL-04L-XGV SG	EA	1
465			PIT-122: PRESSURE TRANSMITTER, ROSEMOUNT 3051CG4A22A1AS5K5M5Q4QTAQ 8V5HR70229	EA	1
466			PIT-123: PRESSURE TRANSMITTER, ROSEMOUNT 3051CG4A22A1AS5K5M5Q4QTAQ 8V5HR70229	EA	1
467			PSE-301: PRESSURE RELIEF VALVE, BICERA Size 10RD	EA	1
468			PSE-303: PRESSURE RELIEF VALVE, BICERA Size 10RD	EA	1
469			PSE-305: PRESSURE RELIEF VALVE, BICERA Size 10RD	EA	1
470			PSE-302: PRESSURE RELIEF VALVE, BICERA Size 10RD	EA	1
471			PSE-304: PRESSURE RELIEF VALVE, BICERA Size 10RD	EA	1
472			PSE-306: PRESSURE RELIEF VALVE, BICERA Size 10RD	EA	1
473			VT-331: VIBRATION TRANSMITTER, TBC TBC	EA	1
474			VT-332: VIBRATION TRANSMITTER, TBC TBC	EA	1
475			VT-333: VIBRATION TRANSMITTER, TBC TBC	EA	1
476			VT-334: VIBRATION TRANSMITTER, TBC TBC	EA	1
477			VT-335: VIBRATION TRANSMITTER, TBC TBC	EA	1
478			VT-336: VIBRATION TRANSMITTER, TBC TBC	EA	1
479			PDIT-239: DIFF PRESSURE TRANSMITTER, ROSEMOUNT 2051CD4A22A1AE5B4	EA	1
480			PDI-240: DIFF PRESSURE GAUGE, ORANGE RESEARCH 1201PG-1C-4.5-F	EA	1
481			FO-153: RESTRICTION ORIFICE, MAC WELD TBC	EA	1
482			TE-268: TEMPERATURE ELEMENT (RTD), ROSEMOUNT 214CRW SMB1S4E0037SLAT1C3B 1XW	EA	1
483		Purchased By SIEMENS (LUBE OIL SKID)	TW-268: THERMOWELL, ROSEMOUNT 114CE0020TAC1SF017AQ8XW	EA	1
484			TI-270: THERMOMETER, ASHCROFT 50EL60E025/250FXC4	EA	1
485			TW-270: THERMOWELL, ASHCROFT 75W 01622SM260C	EA	1
486			TE-269: TEMPERATURE ELEMENT (RTD), ROSEMOUNT 214CRW SMB1S4E0037SLAT1C3B 1XW	EA	1
487			TW-269: THERMOWELL, ROSEMOUNT 114CE0020TAC1SF017AQ8XW	EA	1
488			TCV-138: CONTROL VALVE, AMOT 3BOSJ14001	EA	1
489			TE-267: TEMPERATURE ELEMENT (RTD), ROSEMOUNT 214CRW SMB1S4E0037SLAT1C3B 1XW	EA	1
490			TW-267: THERMOWELL, ROSEMOUNT 114CE0020TAC1SF017AQ8XW	EA	1
491			FO-154: RESTRICTION ORIFICE, SWAGELOK SS-810-1-8PD-.063	EA	1
492			PIT-711: PRESSURE TRANSMITTER, ROSEMOUNT 3051CG4A22A1AS5K5M5Q4QTAQ 8V5HR70229	EA	1
493			PIT-713: PRESSURE TRANSMITTER, ROSEMOUNT 3051CG4A22A1AS5K5M5Q4QTAQ 8V5HR70229	EA	1
494			PIT-721: PRESSURE TRANSMITTER, ROSEMOUNT 3051CG4A22A1AS5K5M5Q4QTAQ 8V5HR70229	EA	1
495			PIT-723: PRESSURE TRANSMITTER, ROSEMOUNT 3051CG4A22A1AS5K5M5Q4QTAQ 8V5HR70229	EA	1
496			PI-219: PRESSURE GAUGE, ASHCROFT 451279RSL04BXSG160#	EA	1
497			PIT-224: PRESSURE TRANSMITTER, ROSEMOUNT 2051TG2A2B21AB4E5M4	EA	1
498			PRV-115: PRESSURE SAFETY VALVE, FULFLO FV5F-8R/SS/WS	EA	1
499			HS-308: HAND SWITCH, TBC TBC	EA	1
500			MDG-8060: METAL DETECTOR, TBC TBC	EA	1
501			PIT-8700: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG3A2A1A1ADA2B4E5L1 M5Q4Q8T1HR7(By KM Installed By388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1
502			PDI-8700A: DIFF PRESSURE GAUGE, TBC TBC	EA	1
503			PDI-8700B: DIFF PRESSURE GAUGE, TBC TBC	EA	1
504			PSV-8101: PRESSURE SAFETY VALVE, TBC TBC	EA	1
505			PI-8102: PRESSURE GAUGE, ASHCROFT 451279SSL04LXNHSG300#(By KM Installed By388-50-E167 (IDD 01-08)	EA	1
506			LIT-8200: LEVEL TRANSMITTER, MAGNETROL TBC	EA	1
507			SVO-8200: SOLENOID, TBC TBC	EA	1

MATERIAL LIST

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
508		8200 VENDOR	PRV-8200: PRESSURE REGULATOR, TBC TBC	EA	1
509		Purchased By SIEMENS (LUBRICATOR SKID)	PI-332: PRESSURE GAUGE, TBC TBC	EA	1
510			PI-336: PRESSURE GAUGE, TBC TBC	EA	1
511			RD-334: RUPTURE DISC, TBC TBC	EA	1
512			RD-335: RUPTURE DISC, TBC TBC	EA	1
513			FS-333: FLOW SWITCH, TBC TBC	EA	1
514			FS-309: FLOW SWITCH, TBC TBC	EA	1
515			HS-303: HAND SWITCH, TBC TBC	EA	1
516		Purchased By SIEMENS (COMP #8 UNIT)	TE-118: THERMOCOUPLE, EXLINE W 139165AF	EA	1
517			XE-116: POSITION SENSOR, EXLINE 313509	EA	1
518			TSHH-127: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1
519			TD-103: TEMPERATURE DETECTOR, AMOT &4102D15C16197	EA	1
520			TSHH-135: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1
521			TD-119: TEMPERATURE DETECTOR, AMOT 4102D12C13197	EA	1
522			TE-120: THERMOCOUPLE, EXLINE W 139165AF	EA	1
523			XE-118: POSITION SENSOR, EXLINE 313509	EA	1
524			TSHH-129: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1
525			TD-107: TEMPERATURE DETECTOR, AMOT &4102D15C16197	EA	1
526			TSHH-137: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1
527			TD-121: TEMPERATURE DETECTOR, AMOT 4102D12C13197	EA	1
528			TE-122: THERMOCOUPLE, EXLINE W 139165AF	EA	1
529			XE-120: POSITION SENSOR, EXLINE 313509	EA	1
530			TSHH-131: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1
531			TD-111: TEMPERATURE DETECTOR, AMOT &4102D15C16197	EA	1
532			TSHH-139: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1
533			TD-123: TEMPERATURE DETECTOR, AMOT 4102D12C13197	EA	1
534			TE-119: THERMOCOUPLE, EXLINE W 139165AF	EA	1
535			XE-117: POSITION SENSOR, EXLINE 313509	EA	1
536			TSHH-128: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1
537			TD-105: TEMPERATURE DETECTOR, AMOT &4102D15C16197	EA	1
538			TSHH-136: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1
539			TD-120: TEMPERATURE DETECTOR, AMOT 4102D12C13197	EA	1
540			TE-121: THERMOCOUPLE, EXLINE W 139165AF	EA	1
541			XE-119: POSITION SENSOR, EXLINE 313509	EA	1
542			TSHH-130: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1
543			TD-110: TEMPERATURE DETECTOR, AMOT &4102D15C16197	EA	1
544			TSHH-138: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1
545			TD-122: TEMPERATURE DETECTOR, AMOT 4102D12C13197	EA	1
546			TE-123: THERMOCOUPLE, EXLINE W 139165AF	EA	1
547			XE-121: POSITION SENSOR, EXLINE 313509	EA	1
548			TSHH-132: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1
549			TD-113: TEMPERATURE DETECTOR, AMOT &4102D15C16197	EA	1
550			TSHH-140: TEMPERATURE SWITCH, AMOT 4395BA01B0	EA	1
551			TD-124: TEMPERATURE DETECTOR, AMOT 4102D12C13197	EA	1
552		Purchased By SIEMENS (UCP-8)	SVC-101: SOLENOID, ASCO EV8316G381V	EA	1
553			PS-121: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1
554			SVC-102: SOLENOID, ASCO EV8316G381V	EA	1
555			PS-122: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1
556			SVC-103: SOLENOID, ASCO EV8316G381V	EA	1
557			PS-123: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1
558			SVC-104: SOLENOID, ASCO EV8316G381V	EA	1
559			PS-124: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1
560			SOV-105: SOLENOID, ASCO EV8316G381V	EA	1
561			PS-125: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1
562			SOV-106: SOLENOID, ASCO EV8316G381V	EA	1
563			PS-126: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1
564			SOV-107: SOLENOID, ASCO EV8316G381V	EA	1
565			PS-127: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1
566			SOV-108: SOLENOID, ASCO EV8316G381V	EA	1
567			PS-128: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1
568			SOV-109: SOLENOID, ASCO EV8316G381V	EA	1
569			PS-129: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1
570			SOV-110: SOLENOID, ASCO EV8316G381V	EA	1
571			PS-130: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1
572			SOV-111: SOLENOID, ASCO EV8316G381V	EA	1
573			PS-131: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1
574			SOV-112: SOLENOID, ASCO EV8316G381V	EA	1
575			PS-132: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1
576			SOV-113: SOLENOID, ASCO EV8316G381V	EA	1
577			PS-133: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1
578			SOV-114: SOLENOID, ASCO EV8316G381V	EA	1
579			PS-134: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1
580			SOV-115: SOLENOID, ASCO EV8316G381V	EA	1
581			PS-135: PRESSURE SWITCH, NEO-DYN 132P49CC8	EA	1
582			BT-8001: FLAME DETECTOR, MSA FL500-3-5-2-3-1-1-1-1(By KM Installed By 388-50-E169 (IDD 07-03) 388-50-E169 (IDD 06-06)	EA	1
583			BT-8002: FLAME DETECTOR, MSA FL500-3-5-2-3-1-1-1-1(By KM Installed By 388-50-E169 (IDD 07-03) 388-50-E169 (IDD 06-06)	EA	1

MATERIAL LIST

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
Project ID: 14052026
Scope: Electrical & Instruments



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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
584		Purchased By KM	BT-8003: FLAME DETECTOR, MSA FL500-3-5-2-3-1-1-1(By KM Installed By388-50-E169 (IDD 07-03) 388-50-E169 (IDD 06-06)	EA	1
585			BT-8004: FLAME DETECTOR, MSA FL500-3-5-2-3-1-1-1(By KM Installed By388-50-E169 (IDD 07-03) 388-50-E169 (IDD 06-06)	EA	1
586			BT-8005: FLAME DETECTOR, MSA FL500-3-5-2-3-1-1-1(By KM Installed By388-50-E169 (IDD 07-03) 388-50-E169 (IDD 06-06)	EA	1
587			BT-8006: FLAME DETECTOR, MSA FL500-3-5-2-3-1-1-1(By KM Installed By388-50-E169 (IDD 07-03) 388-50-E169 (IDD 06-06)	EA	1
588			GT-8001/2: GAS TRANSMITTER, MSA ULTIMA X5000 A-X5000-0M010AAAAT1(By KM Installed By388-50-E169 (IDD 06-08) 388-50-E169 (IDD 07-03)	EA	1
589			GE-8001: GAS DETECTOR, MSA A-5K-SENSAA0M10(By KM Installed By388-50-E169 (IDD 06-07) 388-50-E169 (IDD 07-03)	EA	1
590			GE-8002: GAS DETECTOR, MSA A-5K-SENSAA0M10(By KM Installed By388-50-E169 (IDD 06-07) 388-50-E169 (IDD 07-03)	EA	1
591			BSD-8001: SHUTDOWN PUSHBUTTON, TBC TBC	EA	1
592			BSD-8002: SHUTDOWN PUSHBUTTON, TBC TBC	EA	1
593			BSD-8003: SHUTDOWN PUSHBUTTON, TBC TBC	EA	1
594			BSD-8004: SHUTDOWN PUSHBUTTON, TBC TBC	EA	1
595			XS-8001: INTRUSION DETECTOR, GE SECURITY SENTROL 2845T	EA	1
596			XS-8002: INTRUSION DETECTOR, GE SECURITY SENTROL 2845T	EA	1
597			XS-8003: INTRUSION DETECTOR, GE SECURITY SENTROL 2845T	EA	1
598			XS-8004: INTRUSION DETECTOR, GE SECURITY SENTROL 2845T	EA	1
599			OA-8001: LIGHT, TBC TBC	EA	1
600			OA-8002: LIGHT, TBC TBC	EA	1
601			OA-8003: LIGHT, TBC TBC	EA	1
602			OA-8004: LIGHT, TBC TBC	EA	1
603			OA-8005: LIGHT, TBC TBC	EA	1
604		Provided & Installed By Contractor	TE-8001: TEMPERATURE ELEMENT (RTD), ROSEMOUNT 214CRHSSB1S3E0060SLW R3E5A T1C3B1W DV20Q4G3(By KM Installed By388-50-E169 (IDD 07-03)	EA	1
605			TE-8002: TEMPERATURE ELEMENT (RTD), ROSEMOUNT 214CRHSSB1S3E0060SLW R3E5A T1C3B1W DV20Q4G3(By KM Installed By388-50-E169 (IDD 07-03)	EA	1
606			TE-8003: TEMPERATURE ELEMENT (RTD), ROSEMOUNT 214CRHSSB1S3E0060SLW R3E5A T1C3B1W DV20Q4G3(By KM Installed By388-50-E169 (IDD 07-03)	EA	1
607			XS-8010: HORN, TBC TBC	EA	1
608			HS-8001: HAND SWITCH, TBC TBC	EA	1
609			HS-8002: HAND SWITCH, TBC TBC	EA	1
610			HS-8005: HAND SWITCH, TBC TBC	EA	1
611			HS-8006: HAND SWITCH, TBC TBC	EA	1
612			HS-8009: HAND SWITCH, TBC TBC	EA	1
613			VT-8009: VIBRATION TRANSMITTER, TBC TBC	EA	1
614			BT-8007: FLAME DETECTOR, MSA FL500-3-5-2-3-1-1-1(By KM Installed By388-50-E169 (IDD 07-03) 388-50-E169 (IDD 06-06)	EA	1
615			BT-8008: FLAME DETECTOR, MSA FL500-3-5-2-3-1-1-1(By KM Installed By388-50-E169 (IDD 07-03) 388-50-E169 (IDD 06-06)	EA	1
616			TE-8004: TEMPERATURE ELEMENT (RTD), ROSEMOUNT 214CRHSSB1S3E0060SLW R3E5A T1C3B1W DV20Q4G3(By KM Installed By388-50-E169 (IDD 07-03)	EA	1
617			TE-8005: TEMPERATURE ELEMENT (RTD), ROSEMOUNT 214CRHSSB1S3E0060SLW R3E5A T1C3B1W DV20Q4G3(By KM Installed By388-50-E169 (IDD 07-03)	EA	1
618			XS-8005: INTRUSION DETECTOR, GE SECURITY SENTROL 2845T	EA	1
619			XS-8006: INTRUSION DETECTOR, GE SECURITY SENTROL 2845T	EA	1
620			XS-8007: INTRUSION DETECTOR, GE SECURITY SENTROL 2845T	EA	1
621			XS-8008: INTRUSION DETECTOR, GE SECURITY SENTROL 2845T	EA	1
622			XS-8009: INTRUSION DETECTOR, GE SECURITY SENTROL 2845T	EA	1
623		Purchased By PARKER (V-8500)	PSV-8500: PRESSURE SAFETY VALVE, AGCO 84316J23/S1	EA	1
624			LIT-8501A: LEVEL TRANSMITTER, MAGNETROL 706	EA	1
625			LSH-8500A: LEVEL SWITCH, MAGNETROL TD2	EA	1
626			LSLL-8500A: LEVEL SWITCH, MAGNETROL TD2	EA	1
627			LG-8500A: LEVEL GAUGE, PENBERTHY 2RH4	EA	1
628			BV-8500A: ON-OFF VALVE, EMERSON TBC(By KM Installed By388-50-E167 (IDD 05-04) 388-50-E169 (IDD 05-07)	EA	1
629			SVO-8500A: SOLENOID, PETER PAUL E24HJ9ZCCM, ASSEMBLED WITH VALVE	EA	1

MATERIAL LIST

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
Project ID: 14052026
Scope: Electrical & Instruments



Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
630		Purchased By KM	ZSC-8500A: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1
631			ZSO-8500A: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1
632			LCV-8501A: CONTROL VALVE, F.E.T / RADIUS BAP / SR040(By KM Installed By388-50-E167 (IDD 05-03) 388-50-E169 (IDD 07-03)	EA	1
633			SVO-8501A: SOLENOID, PETER PAUL E24HJ9ZCCM, ASSEMBLED WITH VALVE	EA	1
634		Purchased By PARKER (V-8500)	PI-8500: PRESSURE GAUGE, ASHCROFT 1279	EA	1
635			DPIT-8500: DIFF PRESSURE TRANSMITTER, ROSEMOUNT 3051CD	EA	1
636			TI-8500: THERMOMETER, ASHCROFT 50EI	EA	1
637			TW-8500: THERMOWELL, ASHCROFT ELL	EA	1
638			LIT-8501B: LEVEL TRANSMITTER, MAGNETROL 706	EA	1
639			LSH-8500B: LEVEL SWITCH, MAGNETROL TD2	EA	1
640			LSLL-8500B: LEVEL SWITCH, MAGNETROL TD2	EA	1
641			LG-8500B: LEVEL GAUGE, PENBERTHY 2RH4	EA	1
642		Purchased By KM	BV-8500B: ON-OFF VALVE, EMERSON TBC(By KM Installed By388-50-E167 (IDD 05-04) 388-50-E169 (IDD 05-07)	EA	1
643			SVO-8500B: SOLENOID, PETER PAUL E24HJ9ZCCM, ASSEMBLED WITH VALVE	EA	1
644			ZSC-8500B: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1
645			ZSO-8500B: LIMIT SWITCH, TOPWORKS DXP-L41GNEB, ASSEMBLED WITH VALVE	EA	1
646			LCV-8501B: CONTROL VALVE, F.E.T / RADIUS BAP / SR040(By KM Installed By388-50-E167 (IDD 05-03) 388-50-E169 (IDD 07-03)	EA	1
647			SVO-8501B: SOLENOID, PETER PAUL E24HJ9ZCCM, ASSEMBLED WITH VALVE	EA	1
648			PIT-8500: PRESSURE TRANSMITTER, ROSEMOUNT 3051S2TG4A2A11A1ADA2B4E5L1 M5Q4Q8T1HR7(By KM Installed By388-50-E167 (IDD 01-06) 388-50-E167 (IDD 07-03)	EA	1
649			RO-8500: RESTRICTION ORIFICE, ROSEMOUNT 1495UC020RFSC00250BCW R3PH FLO8	EA	1
650			RIO#2 - Internal Panel Layout Compressor Building (BA-8000) - Unit 8	EA	1
			Free Standing NEMA Enclosure, 72x60x24, Carbon Steel – Gray, HOFFMAN, A726024ULP	EA	1
		Furnished By Panel Vendor	68x56 Steel Back Panel, HOFFMAN, A72P60	EA	1
			60x14 Side Mounted Panel, Painted Steel, HOFFMAN, A72SMP14	EA	2
			3" X 5" Wireduct, Slotted, Narrow Finger, Gray & 3" Wireduct Cover, PANDUIT, F3X5LG6 / C3LG6	EA	1
			2" X 4" Wireduct, Slotted, Narrow Finger, Gray & 2" Wireduct Cover, PANDUIT, F2X4LG6 / C3LG6	EA	1
			Di Rail, 35mm X 7.5mm, Zinc/Steel, ALLEN BRADLEY, 199-DR1	EA	1
			Stand Off Insulator, GLASTIC, 2165-1B	EA	1
			LED Enclosure Light, 24VDC, 15IN, HOFFMAN, LED24V15	EA	1
			Mechanical Ground Lug, BURNDY, TYPE KC	EA	2
			Panel Nameplate, 1-1/2" X 4", Black Lamcoid With White Core, PANEL SHOP	EA	1
			Custom 125vdc Plastic Cover Guard With Standoffs, PANEL SHOP	EA	2
			Device Nameplate, 3/4" X 1-3/4", Black Lamcoid With White Core, PANEL SHOP	EA	51
			Marker Carrier - UBE/D, PHOENIX CONTACT, 800307	EA	15
			End Clamp E/NS 34 N, PHOENIX CONTACT, 800886	EA	34
			Feed-Through Terminal Block UT 10, PHOENIX CONTACT, 3044160	EA	4
			Feed-Through Ground Modular Terminal Block - UT 10-PE, PHOENIX CONTACT, 3044173	EA	2
			End Cover D-UT 2.5/10, PHOENIX CONTACT, 3047028	EA	2
			Surge Protection Device, PHOENIX CONTACT, 2907918	EA	2
			24V Power Supply, DC-DC Converter XLE 20 AMP, ALLEN BRADLEY, 1606-XLE480EP	EA	2
			Hydraulic-Magnetic Circuit Breaker 10 A / 120 V AC (50/60 Hz) / 50 V DC / 1 kA (SCCR), PHOENIX CONTACT, 2907196	EA	6
			Hydraulic-Magnetic Circuit Breaker 20 A / 120 V AC (50/60 Hz) / 50 V DC / 1 kA (SCCR), PHOENIX CONTACT, 2907199	EA	2
			Ground Bar, 9 Terminal Kit, SQUARE D, PK9GTA	EA	4
			Ground Modular Terminal Block - USLKG 6 N, PHOENIX CONTACT, 0442079	EA	9
			Fuse Modular Terminal Block - UT 4-L/HESILED 24 (5X20) - Two Level, PHOENIX CONTACT, 3214366	EA	64
			Terminal Block Relay, 24VDC, CLASS 1 DIV 2, 1NO-1NC Contacts, PHOENIX CONTACT, 2909524	EA	32
			Fuse Modular Terminal Block - UT 4-PE/L/HESILED 24 (5X20) Two Level, PHOENIX CONTACT, 3214321	EA	48
			Multilevel (Single Level) Feed Through Terminal Block - UT-4-L, PHOENIX CONTACT, 3214363	EA	68
			Hydraulic-Magnetic Circuit Breaker 5 A / 120 V AC (50/60 Hz) / 50 V DC / 1 kA (SCCR), PHOENIX CONTACT, 2907194	EA	17
			Fusible Disconnect, Finger Safe, Lock-On Provision, 30A, 600 VAC, 125 VDC, 225A, UL98, Single Pole, EATON, CCP2-1-30CF	EA	2
			CLASS CF FUSE, TCF, Time Delay, Dual Element, Current Limiting, Cube Fuse, 15A, Interrupting Rating 100KA / 300VDC AND 300KA/600VAC, EATON, TCF15RN	EA	4

MATERIAL LIST

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
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Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
			Flex I/O Repeater/Ethernet Adapter, ALLEN BRADLEY, 5094-AEN2TR	EA	2
			Flex I/O Discrete Input Module, 16 Point & Terminal Block Assembly, ALLEN BRADLEY, 5094-IB16	EA	2
			Flex I/O Discrete Output Module, 16 Point & Terminal Block Assembly, ALLEN BRADLEY, 5094-OB16	EA	2
			Flex I/O Analog Input Module, 8 Point & Terminal Block Assembly, ALLEN BRADLEY, 5094-IF8	EA	4
			Flex I/O Analog Output Module, 8 Point & Terminal Block Assembly, ALLEN BRADLEY, 5094-OF8	EA	2
			Flex I/O RTD Input Module, 8 Point & Terminal Block Assembly, ALLEN BRADLEY, 5094-IY8	EA	1
			Ethernet Switch, N-TRON, 708FX2-SC	EA	3
			Spare Fuse Container, Din Rail Mount, WEIDMULLER, 7914760001	EA	1
			Closet Connector Housing (CCH) Panel, SC Adapters, Duplex, 12 F, 50 MM Multimode (OM3/4), CORNING, CCH-CP12-E7	EA	2
			Single Panel Housing (SPH) Wall Mountable, Holds One CCH Connector Panel, Back, CORNING, SPH-01P	EA	2
			Single Panel Housing (SPH) Accessories & Components Din Rail Bracket, CORNING, SPH-DIN-KIT	EA	2
			Fuses, Ceramic, 250mA, 5 X 20MM, Fast Acting, BUSSMAN, S501-250-R	EA	1
			Fuses, Ceramic, 1A, 5 X 20MM, Time Delay, BUSSMAN, S505-1-R	EA	1
			Fuses, Ceramic, 2A, 5 X 20MM, Time Delay, BUSSMAN, S505-2-R	EA	1
			Fuses, Ceramic, 5A, 5 X 20MM, Time Delay, BUSSMAN, S505-5-R	EA	1
			Fuses, Ceramic, 10A, 5 X 20MM, Time Delay, BUSSMAN, S505-10-R	EA	1
			SC To Sc Duplex MM 50um Patch Cable - OM3, FIBERTRONICS, PC-DD7D3AV02M	EA	6
			CAT6 Ethernet Cables, Length As Required, CAT 6	EA	3
			Flex I/O Module Backplane, ALLEN BRADLEY, 5094-MB	EA	11
			Flex I/O Module Terminal Block Assembly, ALLEN BRADLEY, 5094-RTB3	EA	10
			Double-Level Feed Through Terminal Block - UTTB4, PHOENIX CONTACT, 3044814	EA	16
			End Cover D-UTB 2.5/4, PHOENIX CONTACT, 3047293	EA	1
			Spacer Plate - DP - UTTB 2.5/4, PHOENIX CONTACT, 3047303	EA	1
			Flex I/O Module Terminal Block Assembly, ALLEN BRADLEY, 5094-RTB3T	EA	1
			Ground Bar, Insulating Kit Lugs, SQUARE D, PKGTAB	EA	8
			Flex I/O Module Shield Bar, ALLEN BRADLEY, 5094-STB	EA	7
			21.0" LCD/1920X1080, Touch Screen, 17-10700T CPU, 32GB Memory, 512GB SSD, 24VDC CLASS I DIV 2, ARISTA, ARP-2221AP-J01-C01	EA	1
651		KINDER MORGAN	RIO#3 - Internal Panel Layout Electrical AUX. Building (BA-8000) - Unit 8	EA	1
			Free Standing NEMA Enclosure, 72X60X24, Carbon Steel - Gray, HOFFMAN, A726024ULPG	EA	1
			68X56 Steel Back Panel, HOFFMAN, A72P60	EA	1
			60X14 Side Mounted Panel, Painted Steel, HOFFMAN, A72SMP14	EA	2
			3" X 5" Wireduct, Slotted, Narrow Finger, Gray & 3" Wireduct Cover, PANDUIT, F3X5LG6 / C3LG6	EA	1
			2" X 4" Wireduct, Slotted, Narrow Finger, Gray & 2" Wireduct Cover, PANDUIT, F2X4LG6 / C3LG6	EA	1
			DI RAIL, 35MM X 7.5NN, ZINC/STEEL, ALLEN BRADLEY, 199-DR1	EA	1
			Stand Off Insulator, GLASTIC, 2165-1B	EA	1
			LED Enclosure Light, 24VDC, 15IN, HOFFMAN, LED24V15	EA	1
			Mechanical Ground Lug, BURNDY, TYPE KC	EA	2
			Panel Nameplate, 1-1/2" X 4", Black Lamcoid With White Core, PANEL SHOP	EA	1
			Custom 125VDC Plastic Cover Guard With Standoffs, PANEL SHOP	EA	2
			Device Nameplate, 3/4" X 1-3/4", Black Lamcoid With White Core, PANEL SHOP	EA	34
			Marker Carrier - UBE/D, PHOENIX CONTACT, 800307	EA	20
			End Clamp E/NS 34 N, PHOENIX CONTACT, 800886	EA	42
			Feed-Through Terminal Block UT 10, PHOENIX CONTACT, 3044160	EA	4
			Feed-Through Ground Modular Terminal Block - UT 10-PE, PHOENIX CONTACT, 3044173	EA	2
			End Cover D-UT 2.5/10, PHOENIX CONTACT, 3047028	EA	2
			Surge Protection Device, PHOENIX CONTACT, 2907918	EA	2
			24V Power Supply, DC-DC Converter XLE 20 AMP, ALLEN BRADLEY, 1600-X1E400ED	EA	2
			FAZ-NA Circuit Breaker, 1-Pole, 15 AMP, 125 VDC, EATON, FAZ-C15/1-DC	EA	2
			FAZ-NA Circuit Breaker, 1-Pole, 20 AMP, 125 VDC, EATON, FAZ-C20/1-DC	EA	2
			Ground Bar, 9 Terminal Kit, SQUARE D, PK9GTA	EA	4
			Ground Modular Terminal Block - USLKG 6 N, PHOENIX CONTACT, 442079	EA	9
			Fuse Modular Terminal Block - UT 4-L/HESILED 24 (5X20) - Two Level, PHOENIX CONTACT, 3214366	EA	129
			Ethernet Switch 16 Port, NTRON, NT-5016-000-0000	EA	1
			Fuse Modular Terminal Block - UT 4-PE/L/HESILED 24 (5X20) Two Level, PHOENIX CONTACT, 3214321	EA	48
			Multilevel (Single Level) Feed Through Terminal Block - UT-4-L, PHOENIX CONTACT, 3214363	EA	32
			Terminal Block Relay, 24VDC, CLASS I DIV 2, 1NO-1NC Contacts, PHOENIX CONTACT, 2909524	EA	64
		Furnished By Panel Vendor	Flex I/O Repeater/Ethernet Adapter, ALLEN BRADLEY, 5094-AEN2TR	EA	2
			Flex I/O Discrete Input Module, 16 Point & Terminal Block Assembly, ALLEN BRADLEY, 5094-IB16	EA	4
			Flex I/O Discrete Output Module, 16 Point & Terminal Block Assembly, ALLEN BRADLEY, 5094-OB16	EA	4

Phone: +1 (214) 556-2605

MATERIAL LIST

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
			Flex I/O Analog Input Module, 8 Point & Terminal Block Assembly, ALLEN BRADLEY, 5094-IF8	EA	4
			Flex I/O Analog Output Module, 8 Point & Terminal Block Assembly, ALLEN BRADLEY, 5094-OF8	EA	2
			Ethernet Switch, N-TRON, 708FX2-SC	EA	3
			Ethernet Switch, N-TRON, 710FX2-SC	EA	1
			Spare Fuse Container, Din Rail Mount, WEIDMULLER, 7914760001	EA	1
			Closet Connector Housing (CCH) Panel, SC Adapters, Duplex, 12 F, 50 MM Multimode (OM3/4), CORNING, CCH-CP12-E7	EA	3
			Single Panel Housing (SPH) Wall Mountable, Holds One CCH Connector Panel, Back, CORNING, SPH-01P	EA	3
			Single Panel Housing (SPH) Accessories & Components Din Rail Bracket, CORNING, SPH-DIN-KIT	EA	3
			Fuses, Ceramic, 250mA, 5 X 20MM, Fast Acting, BUSSMAN, S501-250-R	EA	1
			Fuses, Ceramic, 1A, 5 X 20MM, Time Delay, BUSSMAN, S505-1-R	EA	1
			Fuses, Ceramic, 2A, 5 X 20MM, Time Delay, BUSSMAN, S505-2-R	EA	1
			Fuses, Ceramic, 5A, 5 X 20MM, Time Delay, BUSSMAN, S505-5-R	EA	1
			Fuses, Ceramic, 10A, 5 X 20MM, Time Delay, BUSSMAN, S505-10-R	EA	1
			SC TO SC Duplex MM 50um Patch Cable - OM3, FIBERTRONICS, PC-DD7D3AV02M	EA	8
			Cat6 Ethernet Cables, Length As Required, CAT 6	EA	6
			Flex I/O Module Backplane, ALLEN BRADLEY, 5094-MB	EA	15
			Flex I/O Module Terminal Block Assembly, ALLEN BRADLEY, 5094-RTB3	EA	14
			Flex I/O Module Terminal Block Assembly, ALLEN BRADLEY, 5094-RTB3T	EA	1
			Fuse Modular Terminal Block - UT 4-L/HESILA 250 (5X20), PHOENIX CONTACT, 3214368	EA	35
			Ground Bar, Insulating Kit Lugs, SQUARE D, PKGTAB	EA	8
			Flex I/O Module Shield Bar, ALLEN BRADLEY, 5094-STB	EA	7
			DA10D Protocol Conversion And Data Acquisition, RED LION, DA10D	EA	1
			Flex I/O Rtd Input Module, 8 Point & Terminal Block Assembly, ALLEN BRADLEY, 5094-IY8	EA	1
			Double-Level Feed Through Terminal Block - UTTB4, PHOENIX CONTACT, 3044814	EA	16
			End Cover - D-UTB 2.5/4, PHOENIX CONTACT, 3047293	EA	1
			Spacer Plate - DP - UTTB 2.5/4, PHOENIX CONTACT, 3047303	EA	1
		KINDER MORGAN	21.0" LCD/1920X1080, Touch Screen, 17-10700T CPU, 32GB MEMORY, 512GB SSD, 24VDC, CLASS1 DIV2, ARISTA, ARP-2221AP-J01-C01	EA	1
		(IDD 01-06)	1/2" OD x 0.049" Wall, 316SS Seamless Tubing, SWAGELOK, SS-T8-S-049	EA	15
			1/2" OD x 1/2" MNPT Tube Connector, 316SS, SWAGELOK, SS - 810 - 1 - 8	EA	15
			1/2" OD x 3/4" MNPT Tube Connector, 316SS, SWAGELOK, SS - 810 - 1 - 12	EA	15
			In-Line Pressure Transmitter, ROSEMOUNT, 3051S	EA	15
			1/2" Union Tee, Tube OD, 316SS, SWAGELOK, SS - 810 - 3	EA	330
			1/2" Tube Blowdown Needle Valve, 316SS, SWAGELOK, SS-6DBS8	EA	15
			1/2" Plug Tube, 316SS, SWAGELOK, SS-810-P	EA	15
			1/2" OD x 3/4" MNPT Tube Connector, 316SS, SWAGELOK, SS-810-1-12	EA	6
			1/2" OD x 1/2" MNPT Tube Connector, 316SS, SWAGELOK, SS-810-1-8	EA	6
			1/2" OD x 0.049" Wall, 316SS Seamless Tubing, SWAGELOK, SS-T8-S-049	EA	3
			Coplanar Pressure Transmitter, ROSEMOUNT, 3051S	EA	3
			1/2" Union Tee, Tube OD, 316SS, SWAGELOK, SS-810-3	EA	6
			1/2" Tube Blowdown Needle Valve, 316SS, SWAGELOK, SS-6DBS8	EA	6
			1/2" Plug Tube, 316SS, SWAGELOK, SS-810-P	EA	6
		(IDD 01-04)	1/2" Single Tubetrace Bundle W/ BSX 5-2-OJ, THERMON, SE4F1-43-7-ATP-049	EA	3
			Thermon Power Kit, THERMON, DP/FAK-4	EA	3
			Power Terminator Kit, THERMON, PETK-1D	EA	6
			Thermon End Kit, THERMON, ET-6C/FAK-10B	EA	6
			2 Leg Heat Shrink Seal, THERMON, FAK-10B	EA	6
			Reducing Bushing, 3/4"MNPT x 1/2"FNPT, 316 SS, SWAGELOK, SS-12-RB-8	EA	6
			3-Valve Manifold Removable Thermal Insulation Jacket	EA	3
652			Pressure Transmitter	EA	1
			3/4" MNPT x 1/2"MNPT HEX Reducing Nipple (Short Nipple), SWAGELOK, SS-12-HRN-8	EA	1
			Pressure Transmitter, ROSEMOUNT, 3051S	EA	1
			2 Valve In-Line Manifold, EMERSON, 0306 RT 22 BA11	EA	1
			Plug 1/2", CROUSE-HINDS OR SIMILAR, PLG15	EA	1
		IDD 01-08	Pressure Gauge, 1/2" MNPT Process Connection, ASHCROFT, 4512	EA	5
			Block And Bleed Manifold, ASHCROFT, 50V022VASS50	EA	5
			3/4"MNPT x 1/2"MNPT HEX Reducing Nipple (Short Nipple), SWAGELOK, SS-12-HRN-8	EA	5
			Street Elbow, 1/2"FNPT x 1/2"MNPT, SWAGELOK, SS-8-SE	EA	5
653			Temperature Transmitter Remote Mounted	EA	1
			Temperature Transmitter, ROSEMOUNT, 3144P	EA	1
			Temperature Sensor Element RTD+Connection Head, ROSEMOUNT, 214C	EA	1
			Thermowell, ROSEMOUNT, 114C	EA	1
654			Temperature Transmitter In-Line Direct Mounted (NPT Threaded)	EA	1
			Temperature Transmitter, ROSEMOUNT, 3144P	EA	1
			Temerture Sensor Element RTD, ROSEMOUNT, 214C	EA	1
			Thermowell, ROSEMOUNT, 114C	EA	1

MATERIAL LIST

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
Project ID: 14052026
Scope: Electrical & Instruments



Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
655			Temperature Element Tank Or Vessel Direct Mounted (Flanged)	EA	1
			Temperature Sensor RTD + Connection Head, ROSEMOUNT, 214CRW	EA	1
			Thermowell, ROSEMOUNT, 114C	EA	1
		(IDD 02-04)	Temperature Sensor RTD + Connection Head, ROSEMOUNT, 214CRW	EA	8
			Thermowell, ROSEMOUNT, 114C	EA	8
656			Temperature Element Direct Mounted (Flanged) - Thermosensor	EA	1
			Type K Thermocouple/ Thermowell Assembly, THERMOSENSOR, 6085-214K-1E26-9-1-53Y2004RE-EDW	EA	1
657			Guided Wave Rader Level Transmitter With Magnetic Level Gauge	EA	1
			Guided Wave Rader Level Transmitter, ROSEMOUNT, 5300	EA	1
			Level Gauge, MAGTECH, "L" SERIES	EA	1
658			Control Ball Valve	EA	1
			Control Ball Valve, FISHER	EA	1
			Digital Valve Controller, FISHER, DVC6200	EA	1
			Instrument Supply Regulator, FISHER, 67CFR	EA	1
			Diaphragm Rotatory Actuator, FISHER, 2052	EA	1
		(IDD 05-03)	Sliding-Stem Control Valve, FISHER, ES/ET/EWT/HPT	EA	2
			Digital Valve Controller, FISHER, DVC6200	EA	2
			Instrument Supply Regulator, FISHER, 67CFR	EA	2
			Diaphragm Actuator, FISHER, 657 667	EA	2
			Ball Valve	EA	7
		(IDD 05-04)	Pneumatic Actuator, Spring Return/Pneumatic Actuator, Double Acting	EA	7
			Position Switch, Go Proximity Switches, TOPWORX, DXP	EA	7
			Solenoid Valve, ASCO, 8362A, 8562A	EA	7
			3/8" Seamless 317L SS Tubing	LF	7
		(IDD 05-07)	1/4" x 3/8" MNPT Tubing Connector, 316 SS	EA	7
			3/8" x 1/2" MNPT Tubing Connector, 316 SS	EA	7
			3/8" x 3/8" Tubing Union, 316 SS	EA	7
			3/8" Ball Valve, FNPT 316 SS Swagelok	EA	7
			1/4" x 3/8" MNPT Tubing Adapter, 316 SS Swagelok	EA	7
			1/4" MNPT x 3/8" Male Tube Adapter, 316 SS Swagelok	EA	7
659			Pressure Control Valve - 67 CFR Regulator	EA	1
			Pressure Regulator, FISHER, 67CFR-(1/4)-(00-125)	EA	1
			1/2" OD x 1/4" MNPT Tube Connector, 316SS, SWAGELOK, SS-810-1-4	EA	2
			1/2" OD x 0.049" Wall, 316SS Seamless Tubing, SWAGELOK, SS-T8-S-049	EA	1
			1/2" OD x 3/4" MNPT Tube Connector, 316SS, SWAGELOK, SS-810-1-12	EA	1
			1/2" OD x 3/8" OD Tube Adapter, 316SS, SWAGELOK, SS-810-R-6	EA	1
			60 Series Ball Valve 1/2" OD, SWAGELOK, SS-63TS8	EA	1
660			Ultraviolet Flame Detector	EA	1
			Dynamic Self Check Ultraviolet Flame Detector, HONEYWELL, C7061A102/U	EA	1
			Pipe Reducer	EA	1
661			Multispectrum IR Flame Detector	EA	1
			Multispectrum IR Flame Detector, 24VDC/4-20mA, DET-TRONICS, X3301	EA	1
		(IDD 06-07)	Infrared Hydrocarbon Gas Detector, DET-TRONICS, PIRECL	EA	2
			Flexvu Universal Display, DET-TRONICS, UD10	EA	2
662			Det-Tronics Pirecl And UD10 Display	EA	1
			Flexvu Universal Display, DET-TRONICS, UD105A5N25T2	EA	1
			Infrared Hydrocarbon Gas Detector, DET-TRONICS, PIRECLA1D3T1	EA	1
			Channel, C6 x 8.2	EA	1
			Unistrut, 1 5/8", UNISTRUT, P1000	EA	1
			Instrument Support Panel	EA	1
			UL Approved For Class 1 DIV 2, 3/4" Flex Metallic Conduit, CROUSE-HINDS OR SIMILAR	EA	1
		(IDD 06-08)	Liquid Tight Straight Fittings, Class 1 DIV 2, With Ground Lug 3/4", CROUSE-HINDS OR SIMILAR, LTB75GC	EA	4
			Union Conduit 3/4" NPT, CROUSE-HINDS OR SIMILAR, UNY205	EA	1
			Union Conduit, 90°, 3/4" NPT, CROUSE-HINDS OR SIMILAR, UNL205	EA	2
			3/4" RGS Conduit	LF	1
			Conduit Fitting, Type "T" W/Gasket & Cover, 3/4", CROUSE-HINDS OR SIMILAR, T29	EA	1
			Conduit Drain, 3/4", CROUSE-HINDS OR SIMILAR, CD2	EA	1
			3/4" Conduit Plug	EA	1
			Conduit Nipple, 3/4" NPT, CROUSE-HINDS OR SIMILAR	LF	45
			Union Conduit 3/4" NPT, CROUSE-HINDS OR SIMILAR, UNY205	EA	45
			Seal Conduit 3/4" FNPT, CROUSE-HINDS OR SIMILAR, EYSX21	EA	45
		(IDD 07-03)	Liquid Tight Straight Fittings, Class 1 DIV 2, With Ground Lug 3/4", CROUSE-HINDS OR SIMILAR, LTB75GC	EA	90
			UL Approved For Class 1 DIV 2, 3/4" Flex Metallic Conduit, CROUSE-HINDS OR SIMILAR	EA	45
			Conduit Fitting, Type "LB" W/Gasket & Cover, 3/4", CROUSE-HINDS OR SIMILAR, LB29	EA	45
			Conduit Fitting, Type "T" W/Gasket & Cover, 3/4", CROUSE-HINDS OR SIMILAR, T29	EA	45
			Conduit Drain, 3/4", CROUSE-HINDS OR SIMILAR, CD2	EA	45
663			Selector Switch (JOA) Field Mounted	EA	1
			JOG Off Automatic Control Station, CROUSE-HINDS, EDS21274-S635	EA	1
			Slotted Galvanized Strut, 1 5/8", UNISTRUT, P1000SL	EA	1
			1/4" SS Spring Nut, UNISTRUT, P1006U1420-SS	EA	1
			1/4" x 1 1/2" LNG. SS Bolt W/ 1/4" SS Lock Washer	EA	1
			Conduit Nipple, 3/4" x Close	EA	1

MATERIAL LIST

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
 Project ID: 14052026
 Scope: Electrical & Instruments



Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
			Conduit "LB" Fitting, Form 8, W/Cover & Gasket, 3/4"	EA	1
			Conduit, Rigid Steel, HDG, 3/4"	EA	1
			Conduit Coupling, 3/4"	EA	1
			Conduit Chase Nipple, 3/4"	EA	1
			Nameplate, 3/8" Black Lettering 1"H x 4"L	EA	1
664			Instrument Air Supply	EA	1
			1/4" OD x 1/2" MNPT Tube Connector, 316SS, SWAGELOK, SS-400-1-8	EA	1
			1/4" OD x .049" Wall, 316SS Seamless Tubing, SWAGELOK, SS-T4-S-049	EA	1
665			Gas Detector Beam Mounting Plate	EA	1
			Point Infrared Eclipse Gas Detector, DET-Tronics (By Vendor)	EA	1
			1/4" OD x 0.035" Wall Tubing, 317L SS, Seamless, Fully Annealed, Astm A269 317L SS	EA	1
			1/4" Tubing Union To Be Added	EA	1
			1/4" Bug Screen Swagelok	EA	1
			1/4" Male x 1/4" Tube Elbow Swagelok	EA	1
			1/4" FNPT 3-Way Selector Swagelok SS-43XF4 W/Two Panel Mounting Nuts	EA	1
			1/4" Male x 1/4" Female Pipe Elbow Swagelok	EA	1
			3" x 3" Nameplate (Black With White Letters)	EA	1
			2 1/4" x 3" Long SS Bolts And 2-Set Of 1/4" SS Nuts, Flat Washer And Lock Washers	EA	1
			6mm Steel Mounting Plate	EA	1
666			Strobe Details (Triple) Rack Mounted (Roof)	EA	1
			Flashing LED Hazardous Location Warning Light, RED, 191XL-120_240R, FEDERAL SIGNAL	EA	1
			Flashing LED Hazardous Location Warning Light, Blue, 191XL-120_240B, FEDERAL SIGNAL	EA	1
			Flashing LED Hazardous Location Warning Light, Amber, 191XL-120_240A, FEDERAL SIGNAL	EA	1
			1" Form 7 Condulet Fitting , T37, CROUSE-HINDS	EA	4
			1" Recessed Conduit Plug, PLG3, CROUSE-HINDS	EA	1
			1" x 3/4" Reducer, RE32-SA, CROUSE-HINDS	EA	3
			3/4" RGS Conduit	LF	1
			1" RGS Conduit	LF	1
			U-Bolt 1-1/2"	EA	2
			Beam Mount Bracket, TECHLINE	EA	1
			Conduit Drain, 3/4", CD2, CROUSE-HINDS	EA	1
			Reducer Conduit 1" x 3/4", RE32, CROUSE-HINDS	EA	1
667			Valve W/Shafter Operator With Power Supply	EA	1
			Tubing, 316SS Seamless, 3/8" O.D x 0.035", ASTM A-269	EA	1
			Tube Conector, Male 316SS, 3/8" T x 1/4" MNPT, Swagelok, SS-66-1-4	EA	4
			Tube Conector, Male 316SS, 3/8" T x 3/8" MNPT, Swagelok, SS-66-1-6	EA	2
			Filter, Instrument Gas Supply, Fisher, 2400 PSIG, 1/4" FNPT, Extended Body	EA	1
668			Blowdon Manifold Control Panel Layout & BOM Unit #8	EA	1
			Junction Box, NEMA 4X With Panel A-48P36 & a-NMV3 Ventilator (4' High x 3' Wide x 16" Deep), HOFFMAN, A-48H36FLP	EA	1
			Union 1/4" x 1/4" 316 S.S, SWAGELOK, SS-400-6	EA	1
			Tubing 3/8" O.D x .035" 316 S.S. SMLS, SWAGELOK, SS-T6-S-035-20	EA	1
			Tubing 1/4" O.D x .035" 316 S.S. SMLS, SWAGELOK, SS-T4-S-035-20	EA	1
			Bulkhead Reducing Union 3/8" x 1/4" 316 S.S, SWAGELOK, SS-600-61-4	EA	8
			Male Connector 1/4" 316 S.S, SWAGELOK, SS-400-1-4	EA	23
			Union Tee 1/4" 316 S.S, SWAGELOK, SS-400-3	EA	9
			Bulkhead Union 1/4" 316 S.S, SWAGELOK, SS-400-61	EA	1
			1/4" 3-Way Pilot Operated Valve, Normally Closed, Piston Activated, Spring Return, 1/4" N.P.T Ports And 1/8" N.P.T. Pilot, VERSA, VSP-3301	EA	3
			1/4" Manual Selector Valve, ROBERTSHAW, 99365-A1	EA	1
			1/4" Selector Valve, ROBERTSHAW, 82216-A1	EA	1
			1/4" 3-Way Solenoid Valve, Normally Open, FN.P.T. Ports, Voltage 24VDC (Explosion Proof), SKINNER, X55LB2100	EA	2
			1/2" Galvanized Steel Universal UnionFxF, BARTON OR SIMILAR	EA	2
			1/2" x 4" Galvanized Steel Conduit Pipe, BARTON OR SIMILAR	EA	6
			Gual Condulet 1/2" Galvanized Steel, BARTON OR SIMILAR	EA	2
			Hub 1/2" FNPT x 1/2" FNPT Galvanized Steel, BARTON OR SIMILAR	EA	2
			3"x1" Phenolic NAMPLATE, WHT W/BLK Lettering , BY PNL SHOP	EA	2
			3"x1" Phenolic NAMPLATE, BLK W/WHITE Lettering , BY PNL SHOP	EA	8
			Conduit Pipe Galvanized 1/2"D x 4" L THRD	EA	6
			Universal Union 1/2" FNPT x 1/2" FNPT Galvanized	EA	2
			1/4" Screwed Filter, FISHER, 252	EA	1
			Adapter Coupling 1/4" MNPT x 1" MNPT SS, SWAGELOK, CN4NM16NM10	EA	1
			1" Screwed Ball Valve, Regular Port, Rated, 1440 PSIG (MIN.) @ 150°F, Screwed End Conditions, C.S. Body & Tailpiece, S.S. Trim, Filled Teflon Seat, TFE Gasket, With Loctite Compound, With Wrench Operator, SWAGELOK, W.K.M.#1R-B136-CS-02-S1/HL	EA	1
669			Instrument Comms Tower Fiber Patch Panel	EA	1
			Enclosure NEMA 4, 24" x 24" x 8", HOFFMAN, A24H24BLP3PT	EA	1
			Back Panel, HOFFMAN, A24P24	EA	1
			1"x4" White Phenolic Nameplate, 1/4" Black Letters	EA	1
			Switch, N-TRON, 708FX2-ST	EA	1
			Phoenix Quint Power Supply, PHOENIX CONTACT, PS/1AC/24DC/10	EA	1
			Single -Panel Housing, CORNING, SPH-01P	EA	1
			Connector Housing, SC Adapters, Duplex, 12 F, 50um Multimode, CORNING, CCH-CP12-E7	EA	1

MATERIAL LIST					
Prepared for:		Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039		 +1 (214) 556-2605	
Project ID:		14052026			
Scope:		Electrical & Instruments			
				Date:	28-Sep-26
SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
			Single Panel Housing, CORNING, SPH-01P	EA	1
			Power Circuit Breaker, 10 AMP, 600VAC, Entrelec (GM SERIES) Din Rail MTD, Type, ENTRELEC	EA	1
			Fuse Modular Terminal Block-UT 4-L/Hesiled 24 (5X20)-Two Level, PHOENIX CONTACT, 3214366	EA	6
			Marker Carrier - UBE/D, PHOENIX CONTACT, 800307	EA	2
			Ground Bar, 9 Terminal Kit, SQUARE D, PK9GTA	EA	1
			Ground Bar, Insulating Kit Lugs, SQUARE D, PKGTAB	EA	2
			Entrelec Terminal Block Type: M 4/6 Gray, ENTRELEC, 115-116.07	EA	1
			Entrelec Terminal Block Type: M 4/6.P Green, ENTRELEC, 115-113.16	EA	1
			Entrelec End Stops Type: BAM, ENTRELEC, 103-002.26	EA	8
			DI RAIL, 35MM X 7.5NN, ZINC/STEEL, ALLEN BRADLEY, 199-DR1	EA	1
			Stand Off Insulator, GLASTIC, 2165-1B	EA	1
670			Instrument Control Building Fiber Patch Panel	EA	1
			Enclosure NEMA 4X Stainless Steel, 3-Point Latch, 30" x 24" x 8", HOFFMAN, A30P2408SS122PTW	EA	1
			Back Panel, HOFFMAN, A30P24	EA	1
			1" x 4" White Phenolic Nameplate, 1/4" Black Letters	EA	1
			Switch, N-TRON, 708FX2-ST	EA	1
			Phoenix Quint Power Supply, PHOENIX CONTACT, PS/1AC/24DC/10	EA	1
			Single -Panel Housing, CORNING, SPH-01P	EA	3
			Connector Housing, SC Adapters, Duplex, 12 F, 50um Multimode, CORNING, CCH-CP12-E7	EA	3
			Switch, N-TRON, 710FX2-ST	EA	1
			Power Circuit Breaker, 10 AMP, 600VAC, Entrelec (GM SERIES) Din Rail MTD, Type, ENTRELEC, ENTRELEC, GMU10U	EA	1
			Fuse Modular Terminal Block-UT 4-L/Hesiled 24 (5X20)-Two Level, PHOENIX CONTACT, 3214366	EA	6
			Marker Carrier - UBE/D, PHOENIX CONTACT, 800307	EA	2
			Ground Bar, 9 Terminal Kit, SQUARE D, PK9GTA	EA	1
			Ground Bar, Insulating Kit Lugs, SQUARE D, PKGTAB	EA	2
			Entrelec Terminal Block Type: M 4/6 Gray, ENTRELEC, 115-116.07	EA	1
			Entrelec Terminal Block Type: M 4/6.P Green, ENTRELEC, 115-113.16	EA	1
			Entrelec End Stops Type: BAM, ENTRELEC, 103-002.26	EA	18
			DI RAIL, 35MM X 7.5NN, ZINC/STEEL, ALLEN BRADLEY, 199-DR1	EA	1
			Stand Off Insulator, GLASTIC, 2165-1B	EA	1
			Stand Off Insulator, CORNING, SPH-DIN-KIT	EA	3
			FIRE ALARM		
			DEVICES		
671			Combo Fire Alarm Horns Strobe, L-SERIES	EA	2
672			Fire Alarm Manul Pulstation, HONEYWELL PS-SATK	EA	2
673			Fire Alarm Smoke/Temperature Detector	EA	4
674			Fire Alarm Control Panel, w/BATTERY, HONEY WELL SK-4, EDWARDS 12V	EA	1
675			Battery Bank, CD TECHNOLOGIES, EDWARDS 12V4A (For Fire Alarm Panel)	EA	2
676			Fire Alarm Heat Detector	EA	2
677			Hydrogen Sensor, La MARCHE	EA	2
678			24V 2-Pole Relay, EATON D7PF2AT1	EA	1
679			2P Relay Socket, EATON DFPAA	EA	1
680			Fire Alarm Terminal Block	EA	4
681			Fire Alarm Pam-1 Relay, HONEY WALL PAM-1	EA	1
EARTHWORK					
EXCAVATION & BACKFILL					
ONE WAY DUCT BANK					
EXCAVATION					
			Excavation For One Way Duck Bank	LF	23
682			- (1) 4" PVC Coated RGS Conduit		
			Excavation:	CY	6
BACKFILL					
683			12" Thick Sand Backfill Material	CY	1
684			3" Thick Red Dye Concrete Cap	CY	0.3
685			Concrete Formwork	SF	11
686			Compacted Subgrade Backfill Material	CY	4.7
TWO WAY DUCT BANK					
EXCAVATION					
			Excavation For Two Way Duck Bank	LF	79
687			- (2) 5" PVC Coated RGS Conduit		
			Excavation:	CY	32
BACKFILL					

MATERIAL LIST

Prepared for: Kinder Morgan NGPL-Compressor Station 388 HP Addition afe-238039
 Project ID: 14052026
 Scope: Electrical & Instruments



Date: 28-Sep-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
688	388-31 - E168.1	Typical Detail 388-31 - E168.1	12" Thick Sand Backfill Material	CY	7
689			3" Thick Concrete Conduit Bank	CY	3
690			3" Thick Red Dye Concrete Cap	CY	1.6
691			Concrete Formwork	SF	434
692			Compacted Subgrade Backfill Material	CY	21
			THREE WAY DUCT BANK		
			EXCAVATION		
			Excavation For Three Way Duck Bank - (3) 5" PVC Coated RGS Conduit	LF	8
693			Excavation:	CY	5
			BACKFILL		
694			12" Thick Sand Backfill Material	CY	1
695			3" Thick Concrete Conduit Bank	CY	0.4
696			3" Thick Red Dye Concrete Cap	CY	0.2
697			Concrete Formwork	SF	46
698			Compacted Subgrade Backfill Material	CY	3
			THREE WAY DUCT BANK		
			EXCAVATION		
			Excavation For Three Way Duck Bank - (3) 6" PVC Coated RGS Conduit	LF	125
699			Excavation:	CY	71
			BACKFILL		
700			12" Thick Sand Backfill Material	CY	18
701			3" Thick Concrete Conduit Bank	CY	6.6
702			3" Thick Red Dye Concrete Cap	CY	2.8
703			Concrete Formwork	SF	688
704			Compacted Subgrade Backfill Material	CY	44
			FOUR WAY DUCT BANK		
			EXCAVATION		
			Excavation For Four Way Duck Bank - (3) 4" PVC Coated RGS Conduit W/ Pull String - (1) 2" PVC Coated RGS Conduit W/ Pull String	LF	127
705			Excavation:	CY	72
			BACKFILL		
706			20" Thick Sand Backfill Material	CY	22
707			3" Thick Red Dye Concrete Cap	CY	4
708			Concrete Formwork	SF	64
709			Compacted Subgrade Backfill Material	CY	46
			TEN WAY DUCT BANK		
			EXCAVATION		
			Excavation For Ten Way Duck Bank - (6) 5" PVC Coated RGS Conduit - (4) 2" PVC Coated RGS Conduit	LF	18
710			Excavation:	CY	18
			BACKFILL		
711			20" Thick Sand Backfill Material	CY	3
712			3" Thick Red Dye Concrete Cap	CY	1
713			Concrete Formwork	SF	9
714			Compacted Subgrade Backfill Material	CY	14