

1.3 EQUIPMENT COMMISSIONED

The Seay Building Addition consists of 123 pieces of equipment that went through the Commissioning process. This section lists each of these pieces of equipment and the physical attributes associated with them. Within the following section is the projects complete Equipment List of Mechanical, Electrical and Plumbing equipment. All electrical testing was commissioned by John Gardner at NV5. All mechanical and plumbing testing was performed by Kelley Dugosh or Jessica Duenez.

Equipment commissioned:

- [SEA Equipment Matrix](#)

50 Electrical Equipment sorted by name

Name	Type	A/B/C/N/G Conductor Size	Main Breaker	Manufacturer	Model Number	Volts
1HM	Panelboard	# 3	400A.	ABB	AMP1	277-480 V.
1HSB	Panelboard	GRD # 4	250A	ABB	AS	277- 480 V.
1LM	Panelboard	A,B,C, # 1	100A.	ABB		120 - 208 Y
1LSB	Panelboard	# 8	50 A.		TEYD3050B	120 - 208-Y
2HE	Panelboard	#6	125A.	ABB	TPME277Y08AS	277-480Y
2HN	Panelboard	#8	100	ABB	AMP1	277-480Y
2LE	Panelboard	# 6	100A.	ABB	TPME120Y08AS	120-208Y
2LN	Panelboard	#2	250 A	ABB		120-208V.
3LN	Panelboard	# 2	250 A	ABB	AMP1	208Y/120
4LN	Panelboard	# 2	250 AMP	ABB	AMP1	120-208Y
5HE	Panelboard	# 6	125 A.	ABB	TPME277Y08AS	277-480Y
5HN	Panelboard	# 6	100 A.	ABB	AMP1	277-480Y
5LE	Panelboard	# 6	100 A	ABB	TPME120Y09AS	120-208Y
5LN	Panelboard	# 2	250A	ABB	AMP 1	120-208Y
5LSB	Panelboard	# 6	100 AMP	ABB	TEY3100	120-208 Y
ATS-EM	Automatic Transfer Switch	GRD. #6	150		BTPCB-2058267	480
ATS-LR	Automatic Transfer Switch	GRD # 4	260		BTPCB-2058266	480
ATS-SB	Automatic Transfer Switch	GRD. # 4	260		BTPCB-2058266	480
Busway Riser and Bus						
Disconnect Switch	Busway Riser	GRD. # 3	400 AMP		AIBAAQZUZZZZZ	277/480
Cable Tap Gutter (CTG)	Cable Tap Gutter (CTG)	# 4	250 AMPS.			277/480Y
Dual -Purpose Generator					GDS-065W-LMF-	
Docking Station	Dual -Purpose Generator Docking Station	NEUT 4/0 RES	600A	TRYSTAR	AKQ-053	480/277V
ECC	Panelboard	# 8	50 AMP	ABB	TPME120Y08AS	120 - 208 Y
EFIT - TEAM 1 -	EFIT _pull the plug					
EFIT - TEAM 1 - Management	EFIT _pull the plug					
EFIT - Team 2 - BAS	EFIT _pull the plug					
EFIT - TEAM 3 MECHANICAL (EFIT _pull the plug					
Existing Metal Clad SwBd MSI	Existing Metal Clad SwBd	G # 1/0	800 AMPS			277/480
GDP	Generator Distribution Switchboard (GDP)	GRD. # 4	600A	GE		480/277V
GEN-1	Natural Gas Generator	GRD. #4	600A	SENS-CUMMINS	C250N6	24VDC
				ULTRA WELD		
Grounding and Bonding	Grounding and Bonding	4/0		BY HARGER	SHOTS 200	
IT	Panelboard	# 6	100A	ABB	TPME120Y08AS	120-208 Y
Lighting Controls	Lighting Controls					277v
Lightning Protection	Lightning Protection			East coast lightning equipment.		
PHM	Panelboard	#6	200 AMP	ABB	SFH A36AT0250	277/480Y
PLM	Panelboard	#8	100 AMP 3 POLE	ABB	THQB32100	120-208V
SAD-BUS	Busway Riser and Bus Disconnect Switch					
SDP	Sub Distribution Panel	# 1/0	800 AMPS.	ABB	TPME277Y10PP	277-480 Y
SEDP	Service Entrance Distribution Panel					
T-1LM	Transformer	GRD. # 8		ABB	9T10C1002	480-208/120
T-1LSB	Transformer			ABB	9T10C1002	480-208/120
T-2LE	Transformer	GRD. # 8		ABB	9T10C1002	480-208/120
T-2LN	Transformer	GRD. # 2		ABB	9T10C1004G31	480-208/120

T-3LN	Transformer	GRD. # 2	ABB	9T10C1004G31	480-208/120
T-4LN	Transformer	GRD. # 2	ABB	9T10C1004G31	480-208/120
T-5LE	Transformer	A,B,C, # 6	ABB	9T10C1002	480-208/120
T-5LN	Transformer	GRD. #2	ABB	9T10C1004G31	480-208/120
T-5LSB	Transformer		G.E.	30 KVA	277/480 TO 120/208
T-ELEV	Transformer	GRD. # 8	ABB	9T10C1001	480-208/120
T-IT	Transformer	GRD # 8	ABB	9T10C1002	480-208/120
T-PLM	Transformer	# 8	ABB	30 KVA	480V IN 120-208 LV

77 Mechanical or Plumbing Equipment sorted by name

Name	Type	Systems	Building	CFM	Manufacturer	Maximum (CFM)	Minimum (CFM)
AHU-4	Air Handling Unit	AHU-4 System	SEAY Addition	12000 CFM	Temtrol/Nortek		
AS-1	Air Separator	Heating Hot Water	SEAY Addition		Armstrong		
CHWP-1	CHW Pump	Chilled Water	SEAY Addition		Pentair		
CHWP-2	CHW Pump	Chilled Water	SEAY Addition		Pentair		
ECP-1	Condensate Pump	Heating Hot Water	SEAY Addition				
EF-6	Exhaust Fan	General Air Distribution	SEAY Addition				
EF-7	Exhaust Fan	General Air Distribution	SEAY Addition				
ESP-1	Elevator Sump Pump		SEAY Addition		STANCOR		
ET-1	Expansion Tank	Heating Hot Water	SEAY Addition		Armstrong		
EWH-1	DHW Electric Water Heater	Dom Hot Water	SEAY Addition		State Water Heaters		
EWH-2	DHW Electric Water Heater	Dom Hot Water	SEAY Addition		State Water Heaters		
FCU 1-1	Fan Coil Unit	General Air Distribution	SEAY Addition	1500 CFM	Enviro-Tec		
FCU 1-2	Fan Coil Unit	General Air Distribution	SEAY Addition	707	Envirotec		
FCU 1-3	Fan Coil Unit	General Air Distribution	SEAY Addition	1020 CFM	Enviro-Tec		
FCU 2-1	Fan Coil Unit	General Air Distribution	SEAY Addition	707 CFM	Enviro-Tec		
FCU 3-1	Fan Coil Unit	General Air Distribution	SEAY Addition	1030 CFM	Enviro-Tec		
FCU 4-1	Fan Coil Unit	General Air Distribution	SEAY Addition	1380 cfm	Enviro-Tec		
FCU 5-1	Fan Coil Unit	General Air Distribution	SEAY Addition	700 CFM	Enviro-Tec		
FCU 5-2	Fan Coil Unit	General Air Distribution	SEAY Addition	707 CFM	Enviro-Tec		
FCU 6-1	Fan Coil Unit	General Air Distribution	SEAY Addition	1500 CFM	Enviro-Tec		
HWCP-1	DHW Recirculation Pump	Dom Hot Water	SEAY Addition		Taco		
HWP-1	HHW Pump	Heating Hot Water	SEAY Addition		TACO		
HWP-2	HHW Pump	Heating Hot Water	SEAY Addition		TACO		
HX-1	HHW Heat Exchanger	Heating Hot Water	SEAY Addition		ARMSTRONG		
Plumbing Fixtures	Plumbing Fixture				American Standard		
RWP-1	Recovery Water Sump Pump	Recovery Water Sump Pumps	SEAY Addition		Ebara		
RWP-2	Recovery Water Sump Pump	Recovery Water Sump Pumps	SEAY Addition		Ebara		
SP-1	Sump Pump	Sump Pumps	SEAY Addition		Zoeller		
SP-2	Sump Pump	Sump Pumps	SEAY Addition		Zoeller		
ST-1	Steam Trap	Heating Hot Water	SEAY Addition				
VAV 2-4-1	Air Terminal Unit	AHU-4 System	SEAY Addition		Price	855	260
VAV 2-4-2	Air Terminal Unit	AHU-4 System	SEAY Addition		Price	550	165
VAV 2-4-3	Air Terminal Unit	AHU-4 System	SEAY Addition		Price	375	125
VAV 2-4-4	Air Terminal Unit	AHU-4 System	SEAY Addition		Price	1100	330
VAV 2-4-5	Air Terminal Unit	AHU-4 System	SEAY Addition		Price	560	170
VAV 2-4-6	Air Terminal Unit	AHU-4 System	SEAY Addition		Price	280	85

VAV 2-4-7	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	350	105
VAV 2-4-8	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	680	205
VAV 2-4-9	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	635	195
VAV 2-4-10	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	300	90
VAV 2-4-11	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	585	175
VAV 2-4-12	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	535	165
VAV 3-4-1	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	450	135
VAV 3-4-2	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	940	285
VAV 3-4-3	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	475	145
VAV 3-4-4	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	410	125
VAV 3-4-5	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	680	205
VAV 3-4-6	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	760	230
VAV 3-4-7	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	630	190
VAV 3-4-8	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	370	115
VAV 3-4-9	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	720	220
VAV 3-4-10	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	600	180
VAV 3-4-11	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	470	145
VAV 3-4-12	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	700	210
VAV 4-4-1	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	895	270
VAV 4-4-2	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	270	85
VAV 4-4-3	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	360	110
VAV 4-4-4	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	1190	360
VAV 4-4-5	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	675	205
VAV 4-4-6	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	540	165
VAV 4-4-7	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	360	110
VAV 4-4-8	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	1150	345
VAV 4-4-9	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	650	195
VAV 4-4-10	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	525	160
VAV 4-4-11	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	300	90
VAV 5-4-1	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	460	140
VAV 5-4-2	Air Terminal Unit	AHU-4 System	SEAY Addition	PRICE	630	190
VAV 5-4-3	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	750	225
VAV 5-4-4	Air Terminal Unit	AHU-4 System	SEAY Addition	PRICE	330	100
VAV 5-4-5	Air Terminal Unit	AHU-4 System	SEAY Addition	PRICE	350	105
VAV 5-4-6	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	725	220
VAV 5-4-7	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	865	260
VAV 5-4-8	Air Terminal Unit	AHU-4 System	SEAY Addition	PRICE	330	100
VAV 5-4-9	Air Terminal Unit	AHU-4 System	SEAY Addition	PRICE	300	90
VAV 5-4-10	Air Terminal Unit	AHU-4 System	SEAY Addition	PRICE	1080	325
VAV 5-4-11	Air Terminal Unit	AHU-4 System	SEAY Addition	Price	675	205
VAV 5-4-12	Air Terminal Unit	AHU-4 System	SEAY Addition			