

# Roger Hickel Contracting, Inc.

December 16<sup>th</sup>, 2022

Invoice # 5563

Bill To:

**Municipality of Anchorage**  
**3640 E. Tudor Rd**  
**Anchorage, AK 99507**  
**Attention: Saxton Shearer**

Re: Navigation CMAR  
Project# 457

Mr. Shearer-

As requested, we are presenting the following invoice in which we are providing costs to date for the work completed for the Navigation Center. Please see the itemized breakdown, and associated backup for these costs. Additional backup documentation can be provided upon request. As directed, we have terminated all orders and subcontracts and settled outstanding liabilities. Those costs are included herein

The MOA has taken possession of the pipe, reinforcing bar, and insulation for the project. The Sprung structure has been ordered and is ready for shipment. Non-returnable electrical and mechanical items are either in town or in transit, lists are provided herein for those items.

We have not included potential future costs associated with shipping of the Sprung structure, nor any off-loading, delivery, or storage fees associated with the structure or other items (Mechanical and Electrical) that the MOA has not yet taken possession of.

The invoice total is calculated as shown below:

Total Actual Costs to Date.....	\$3,909,277.85
Allowable Markup per Article 5.30 (15%).....	<u>\$ 586,391.67</u>
Total Amount Due.....	\$4,495,669.52
Amount Previously Paid (Invoices 5337, 5345, and 5395).....	\$(2,025,000.00)
Sale of HRV Unit to SWS Project.....	\$ (11,567.60)
<b>Total Due This Invoice .....</b>	<b><u>\$2,459,101.92</u></b>

Thank you for this opportunity to be of service.

Sincerely,



Scott Dunlap, Project Manager  
Roger Hickel Contracting, Inc.

457- PE #4

<u>Job Description</u>	<u>Labor</u>	<u>Material</u>	<u>Equipment</u>	<u>Subcontract</u>	<u>Total Costs</u>
457 MOA -Navigation Ctr CMAR					
01-1-50 Construction Survey	73,637.83	1,321.80	3,200.00	15,325.00	15,325.00
01-2-01 Project Manager Building	17,214.74	22.00	2,400.00		78,159.63
01-2-02 PE Civil	11,165.03	163.72	1,600.00		19,636.74
01-2-03 PE Bldg	2,436.45				12,928.75
01-2-13 Jobsite Expediting	21,132.84	316.80			2,436.45
01-2-22 Supt Troy D	4,728.89		2,600.00		21,449.64
01-2-23 Supt GPutman	9,635.29		3,400.00		7,328.89
01-5-05 Mobe & Demobe		2,668.00			15,703.29
01-5-14 Temporary Telephone		944.01			944.01
01-5-16 Temporary Toilets		487.50			487.50
01-5-63 Sweeping		765.00	6,700.00		7,465.00
01-5-64 Progress Job Cleanup		7,448.38			7,448.38
01-5-67 SWPPP		9,950.00			9,950.00
01-5-68 Flatbeds, forklifts,manlifts,eq		482.70	15,450.00		15,932.70
01-5-70 Traffic Control				700.00	700.00
01-5-72 Flagmen		154.02			154.02
01-6-25 Case 580 Rental		2,015.10	3,000.00		5,015.10
01-6-35 Equip. Service & Maintenance	19,891.60	3,307.57	4,000.00		27,199.17
01-6-40 Small Tools & Expenditures		14,190.42			14,190.42
Group 01 Totals	159,842.67*	44,237.02*	42,350.00*	16,025.00*	262,454.69*
02-1-01 Demolish per civil crew 60 lds					
02-1-20 Clearing	7,676.55	9,818.82	110,017.50		127,512.87
02-1-40 Dewatering				30,000.00	30,000.00
02-2-01 Remove Canopy-Civil	802.34				13,118.35
02-2-06 Unclassified Ex-organics haul	2,537.20				802.34
02-2-32 Imprt Type 2/2A	24,991.36				2,537.20
02-2-38 Fine grade pad/footings	4,791.86				24,991.36
02-2-61 Geotextile in organic areas 18		163,982.51			168,774.37
02-5-05 Asphalt Paving		4,359.92			4,359.92
02-6-71 Water line complete-1100'	19,277.27			84,375.00	84,375.00
02-6-72 6" DIP Fire Line		13,078.29			163,997.13
02-7-20 Sewer line complete-680'	2,460.27				13,078.29
02-7-22 12" CMP		9,037.00			4,920.56
02-7-30 Storm drain complete	5,230.28				9,037.00

**ROGER HICKEL CONTRACTING, INC.**

**JOB COST TO DATE REPORT**  
As of 12/12/2022

12/16/22

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<u>Job Description</u>	<u>Labor</u>	<u>Material</u>	<u>Equipment</u>	<u>Subcontract</u>	<u>Total Costs</u>
457 MOA -Navigation Ctr CMAR					
02-7-32 Storm Manhole, Type III		18,263.00			18,263.00
Group 02 Totals	67,767.13*	365,719.69*	123,135.85*	114,375.00*	670,997.67*
03-1-01 Form Bottom Footings F5		24,967.15			24,967.15
03-2-01 Spot Rebar	26,345.36	25,070.36		7,930.30	51,312.51
03-3-01 Place Bottom FootingF5	1,732.15				1,732.15
03-3-02 Place Upper Footing F2		1,009.95			1,009.95
Group 03 Totals	28,077.51*	51,047.46*	.00*	7,930.30*	87,055.27*
05-1-26 Steel Erection				25,000.00	25,000.00
Group 05 Totals	.00*	.00*	.00*	25,000.00*	25,000.00*
13-1-20 Pre-Engineered Structures		2,234,255.00			2,234,255.00
13-5-01 Engineered Stamped Drawings		15,000.00			15,000.00
Group 13 Totals	.00*	2,249,255.00*	.00*	.00*	2,249,255.00*
15-1-01 Long Lead Wet Mech WP 3/5		232,236.12			232,236.12
15-1-02 Long Lead Wet Mech WP 3		119,237.65			119,237.65
15-1-03 Chinook Fire		6,960.00			6,960.00
Group 15 Totals	.00*	358,433.77*	.00*	.00*	358,433.77*
16-1-02 Long lead elect WP 4		227,702.02			227,702.02
16-1-05 Electrical				9,880.00	9,880.00
Group 16 Totals	.00*	227,702.02*	.00*	9,880.00*	237,582.02*
30-1-02 Oracle Cloud Service		7,200.00			7,200.00
Group 30 Totals	.00*	7,200.00*	.00*	.00*	7,200.00*
CR-1-10 Civil Design		10,799.43			10,799.43

ROGER HICKEL CONTRACTING, INC.

JOB COST TO DATE REPORT  
As of 12/12/2022

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<u>Job Description</u>	<u>Labor</u>	<u>Material</u>	<u>Equipment</u>	<u>Subcontract</u>	<u>Total Costs</u>
457 MOA -Navigation Ctr CMAR					
CR-2-05 SOA Wage & Hour Fee		500.00			500.00
CR-6-60 Liability Insurance					
Group CR Totals	.00*	11,299.43*	.00*	.00*	11,299.43*
Job Totals	255,687.31*	3,314,894.39*	165,485.85*	173,210.30*	3,909,277.85*

Job Description	Regular Hours	Overtime Hours	Total Hours	Regular Cost	Overtime Cost	Other Costs	Total Costs
457 MOA -Navigation Ctr CMAR							
01-2-01 Project Manager Building	757.00	.00	757.00	61,902.50	.00	11,735.33	73,637.83
01-2-02 PE Civil	229.00	16.00	245.00	12,479.08	1,270.32	3,465.34	17,214.74
01-2-03 PE Bldg	144.00	.00	144.00	9,360.00	.00	1,805.03	11,165.03
01-2-13 Jobsite Expediting	16.00	11.00	27.00	749.64	752.46	934.35	2,436.45
01-2-22 Supt Troy D	149.00	87.50	236.50	7,070.21	6,215.83	7,846.80	21,132.84
01-2-23 Supt GPutman	40.00	10.00	50.00	2,117.20	793.95	1,817.74	4,728.89
01-5-05 Mobe & Demobe	88.00	29.00	117.00	3,781.92	1,887.10	3,966.27	9,635.29
01-6-35 Equip. Service & Maintenance	202.00	37.50	239.50	9,614.67	2,714.10	7,562.83	19,891.60
Group 01 Totals	1,625.00*	191.00*	1,816.00*	107,075.22*	13,633.76*	39,133.69*	159,842.67*
02-1-01 Demolish per civil crew 60 lds	88.00	12.00	100.00	3,581.21	745.28	3,350.06	7,676.55
02-2-01 Remove Canopy-Civil	8.00	2.00	10.00	348.24	130.59	323.51	802.34
02-2-06 Unclassified Ex-organics haul	12.00	16.50	28.50	505.07	1,063.31	968.82	2,537.20
02-2-32 Imprt Type 2/2A	231.00	80.50	311.50	9,406.55	4,923.12	10,661.69	24,991.36
02-2-38 Fine grade pad/footings	56.00	6.00	62.00	2,313.44	378.00	2,100.42	4,791.86
02-6-71 Water line complete-1100'	140.00	94.00	234.00	5,502.72	5,697.56	8,076.99	19,277.27
02-7-20 Sewer line complete-680'	24.00	7.00	31.00	943.12	409.44	1,107.71	2,460.27
02-7-30 Storm drain complete	39.50	23.00	62.50	1,593.82	1,421.08	2,215.38	5,230.28
Group 02 Totals	598.50*	241.00*	839.50*	24,194.17*	14,768.38*	28,804.58*	67,767.13*
03-1-01 Form Bottom Footings F5	288.00	67.00	355.00	10,368.24	3,629.67	12,347.45	26,345.36
03-3-01 Place Bottom FootingF5	14.00	8.00	22.00	521.94	429.24	780.97	1,732.15
Group 03 Totals	302.00*	75.00*	377.00*	10,890.18*	4,058.91*	13,128.42*	28,077.51*
CR-6-60 Liability Insurance	.00	.00	.00	.00	.00	.00	.00
Group CR Totals	.00*	.00*	.00*	.00*	.00*	.00*	.00*
Job Totals	2,525.50*	507.00*	3,032.50*	142,159.57*	32,461.05*	81,066.69*	255,687.31*

Material

From 01/01/2022 To 12/12/2022

Cat	Accounting Date	Description	Invoice No.	Amount	Total
		General Requirements			
01-2-01		Project Manager Building			
01-2-02	PE Civil			1,321.80	
01-2-03	PE Bldg			22.00	
01-2-22	Supt Troy D			163.72	
01-5-05	Mobe & Demobe			316.80	
01-5-14	Temporary Telephone			2,668.00	
01-5-16	Temporary Toilets			944.01	
01-5-63	Sweeping			487.50	
01-5-64	Progress Job Cleanup			765.00	
01-5-67	SWPPP			7,448.38	
				9,950.00	

**ROGER HICKEL CONTRACTING, INC.**

**AP MONTHLY JOB COST**

**12/16/2022** **Page 2**

**From 01/01/2022 To 12/12/2022**

<u>Cat</u>	<u>Accounting Date</u>	<u>Description</u>	<u>Invoice No.</u>	<u>Amount</u>	<u>Total</u>
<b>457 MOA -Navigation Ctr CMAR</b>					
		General Requirements			
	01-5-68	Flatbeds, forklifts, manlifts, eq	--	482.70	--
	01-5-72	Flagmen	--		
	01-6-25	Case 580 Rental	--	154.02	--
	01-6-35	Equip. Service & Maintenance	--	2,015.10	--
	01-6-40	Small Tools & Expenditures	--	3,307.57	--
	02-1-01	Demolish per civil crew 60 lds	--	14,190.42	--
	02-2-38	Fine grade pad/footings	--	9,818.82	--
	02-2-61	Geotextile in organic areas 18	--	163,982.51	--
	02-6-71	Water line complete-1100'	--	4,359.92	--
	02-6-72	6" DIP Fire Line	--	144,719.86	--
			--	13,078.29	--

From 01/01/2022 To 12/12/2022

Cat Accounting Date Description Invoice No. Amount Total

457 MOA -Navigation Ctr CMAR

Cat	Accounting Date	Description	Invoice No.	Amount	Total
		Sitework			
02-7-20		Sewer line complete-680'			
02-7-22	12" CMP		--	2,460.29	--
02-7-32	Storm Manhole, Type III		--	9,037.00	--
	Concrete		--	18,263.00	--
03-1-01	Form Bottom Footings F5		--		
03-2-01	Spot Rebar		--	24,967.15	--
03-3-02	Place Upper Footing F2		--	25,070.36	--
	Special Construction		--	1,009.95	--
13-1-20	Pre-Engineered Structures		--		
13-5-01	Engineered Stamped Drawings		--	2,234,255.00	--
	Mechanical		--	15,000.00	--
15-1-01	Long Lead Wet Mech WP 3/5		--		
			--	232,236.12	--



From 01/01/2022 To 12/12/2022

Cat	Accounting Date	Description	Invoice No.	Amount	Total
<b>457 MOA -Navigation Ctr CMAR</b>					
		Mechanical			
	15-1-02	Long Lead Wet Mech WP 3			
--	--	15-1-03 Chinook Fire	--	119,237.65	--
--	--	15-1-05 Mechanical	--	6,960.00	--
--	--	Electrical	--		--
	16-1-02	Long lead elect WP 4			
--	--	Change Orders	--	227,702.02	--
	30-1-02	Oracle Cloud Service			
--	--	30-1-08 Legal fees	--	7,200.00	--
--	--	Contract Requirements	--		--
	CR-1-10	Civil Design			
--	--	CR-2-05 SOA Wage & Hour Fee	--	10,799.43	--
--	--		--	500.00	--
		Job Total		3,314,894.39*	

*Equipment*

From 01/01/2022 To 12/12/2022

Cat	Accounting Date	Description	Invoice No.	Amount	Total
		457 MOA -Navigation Ctr CMAR			
		General Requirements			
		01-2-01 Project Manager Building			
--	--	01-2-02 PE Civil	--	3,200.00	--
--	--	01-2-03 PE Bldg	--	2,400.00	--
--	--	01-2-23 Supt GPutman	--	1,600.00	--
--	--	01-5-05 Mobe & Demobe	--	2,600.00	--
--	--	01-5-63 Sweeping	--	3,400.00	--
--	--	01-5-68 Flatbeds, forklifts, manlifts, eq	--	6,700.00	--
--	--	01-6-25 Case 580 Rental	--	15,450.00	--
--	--	01-6-35 Equip. Service & Maintenance	--	3,000.00	--
--	--	Sitework	--	4,000.00	--
--	--	02-1-01 Demolish per civil crew 60 lds	--	110,017.50	--

Cat      Accounting Date      Description      Invoice No.      Amount      Total

457 MOA -Navigation Ctr CMAR

02-1-40 Dewatering

--	--	--	--	13,118.35	-
			Job Total	165,485.85*	

All Invoices

*Subcontractor*

Invoice	Invoice Date	Payment Date	Description	Original Amount	Amount Paid	Amount Open	Retainage Being Held
457 MOA -Navigation Ctr CMAR AKLANDC Alaska Land Clearing Cont. LLC 256 09/08/2022 09/25/2022 457-Pay App #01				30,000.00	28,500.00	1,500.00	1,500.00
AKSPECO AK Specialized Constructors, 359 08/22/2022 09/25/2022 457-Pay App #01				25,000.00	25,000.00	.00	
ALCAELE Alcan Electrical & Engineering 17111 11/08/2022 11/25/2022 457-Pay App #01				9,880.00	9,386.00	494.00	494.00
MCKEBRO McKenna Bros. Paving Co., Inc. 2022-452 09/20/2022 10/25/2022 457-Pay App #01 (Trucking)				84,375.00	80,156.25	4,218.75	4,218.75
NORTREI Northern Reinforcing Placers 22027 09/21/2022 10/25/2022 457-Pay App #01				7,930.30	7,533.78	396.52	396.52
SLANSUR Slana Surveys, Inc. 5548 09/22/2022 10/25/2022 457-Pay App #01				15,325.00	14,558.75	766.25	766.25
WORKZONE Work Zone, LLP 2652 09/16/2022 10/25/2022 457-Pay App #01				700.00	665.00	35.00	35.00
<b>Job Totals</b>				<b>173,210.30*</b>	<b>165,799.78*</b>	<b>7,410.52*</b>	<b>7,410.52*</b>



## ANCHORAGE MAIN OFFICE

6670 Arctic Spur Road  
Anchorage, Alaska 99518  
T 907.563.3787  
F 907.562.6286

## FAIRBANKS

197 E Van Horn  
Fairbanks, Alaska 99701  
T 907.452.1771  
F 907.452.1772

## JUNEAU

8415 Airport Boulevard  
Juneau, Alaska 99801  
T 907.780.4404  
F 907.780.6423

Roger Hickel Contracting Inc  
11001 Calaska Circle  
Anchorage, AK 99515

August 26<sup>th</sup>, 2022

Attn: Scott Dunlap – sdunlap@rhcak.com

Re: MOA Navigation Center

Subj: Electrical Equipment Turn Over

The following is the material to be turned over to MOA for the Navigation project. Please let us know if you have any questions. Lighting is in town at Graybar, gear order should be complete by end of January.

MOA NAV MATERIAL TURN OVER		
LIGHTING	QTY	Description
Type A	49	Lithonia CLX L96 18000LM HEF
Type AE	5	Lithonia CLX L96 18000LM HEF Emergency
Type A1	7	Lithonia CLX L96 20000LM HEF
Type A1E	2	Lithonia CLX L96 20000LM HEF Emergency
Type B	52	Lithonia STAKP 2x4 4000LM
Type B-EM	3	Lithonia STAKP 2x4 4000LM Emergency
Type B1	54	Lithonia STAKP 2x2 3000LM
Type B1E	10	Lithonia STAKP 2x2 3000LM Emergency
Type E	5	Lithonia DSX0 LED P6 40k TFTM
Type E1	6	Lithonia DSX0 LED P6 40k T1S
Type E2	5	Lithonia DSX0 LED P6 40k T2S
Pole	4	Lithonia SSS 15' 4C DM19AS
Pole	12	Lithonia SSS 25' 4C DM19AS
Type E3	9	Lithonia WDGE2 LED P3 40k
Type E4	1	Lithonia DSXW1 LED 20C 530 40k
Type F	22	Lithonia FMVTSL 24in
Type G	2	Lithonia BLWP4 40L ADP EZ1
Type GE	3	Lithonia BLWP4 40L ADP EZ2 Emergency
Type EM1	1	Myers 6-IE-5-S-BD2010-M-Z
Control PX1	2	Evenlite ELCD-FD
Control PX2	6	Evenlite ELCD

<b>Gear</b>		
PANEL HMDP	1	1-HCP23598- Panelboard 800A MLO 3PH
PANEL HA	1	1-NF442L1C - PNLBD INT NF 125A 3P4W 42CKT
PANEL LMDP	1	1-HCJ18738MP-PNLBD 800A PROXIMA MB
PANEL LA	1	1-NQ442L2C-PNLBD NQ 225A MLO 42 CKT
PANEL LB	1	1-NQ430L2C-PNLBD NQ 225A MLO 30 CKT
PANEL LC	1	1-NQ442L2C-PNLBD NQ 225A MLO 42 CKT
PANEL LK	1	1-NQ442L2C-PNLBD NQ 225A MLO 42 CKT
PANEL LM	1	1-NQ442L2C-PNLBD NQ 225A MLO 42 CKT
XFMR TA	1	1-EX225T3H TRANSFORMER DRY TYPE 225KVA
DISCO WH1	1	HU362-SWITCH NOT FUSIBLE 60A 3P
DISCO WH2	1	HU362-SWITCH NOT FUSIBLE 60A 3P
MOTOR SWITCH	6	2510FG1P MANUAL STARTER
THERMAL OL	6	A6.99 THERMAL UNIT
CT CAN	1	CT484814-HC
METER	1	13 JAW METER SOCKET
CT RACK	1	K4722
<b>FIRE ALARM</b>		
RESTOCK ALL MATERIAL		
PRELIMINARY DRAWINGS FROM MOA		See attached.

If you have any questions or need further clarifications, please give me a call at 907-563-3787.

Sincerely,



Chrys Fleming  
President

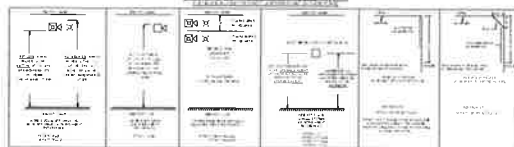


# GMW FIRE PROTECTION INCORPORATED

6108 MACKAY STREET  
ANCHORAGE, AK 99518

(907) 336-5000  
gmwservice@gmwfire.com

## MOA NAVIGATION CENTER ANCHORAGE, ALASKA FIRE ALARM SYSTEM



PRELIMINARY DRAWINGS NOT  
FOR CONSTRUCTION PENDING  
FIRE MARSHALL REVIEW AND  
ISSUANCE OF FIRE ALARM  
PERMIT.

SYMBOL	QTY	DESCRIPTION	UNIT	REMARKS
1	1	120VAC 10A	AMP	120VAC 10A
2	1	120VAC 10A	AMP	120VAC 10A
3	1	120VAC 10A	AMP	120VAC 10A
4	1	120VAC 10A	AMP	120VAC 10A
5	1	120VAC 10A	AMP	120VAC 10A
6	1	120VAC 10A	AMP	120VAC 10A
7	1	120VAC 10A	AMP	120VAC 10A
8	1	120VAC 10A	AMP	120VAC 10A
9	1	120VAC 10A	AMP	120VAC 10A
10	1	120VAC 10A	AMP	120VAC 10A
11	1	120VAC 10A	AMP	120VAC 10A
12	1	120VAC 10A	AMP	120VAC 10A
13	1	120VAC 10A	AMP	120VAC 10A
14	1	120VAC 10A	AMP	120VAC 10A
15	1	120VAC 10A	AMP	120VAC 10A
16	1	120VAC 10A	AMP	120VAC 10A
17	1	120VAC 10A	AMP	120VAC 10A
18	1	120VAC 10A	AMP	120VAC 10A
19	1	120VAC 10A	AMP	120VAC 10A
20	1	120VAC 10A	AMP	120VAC 10A
21	1	120VAC 10A	AMP	120VAC 10A
22	1	120VAC 10A	AMP	120VAC 10A
23	1	120VAC 10A	AMP	120VAC 10A
24	1	120VAC 10A	AMP	120VAC 10A
25	1	120VAC 10A	AMP	120VAC 10A
26	1	120VAC 10A	AMP	120VAC 10A
27	1	120VAC 10A	AMP	120VAC 10A
28	1	120VAC 10A	AMP	120VAC 10A
29	1	120VAC 10A	AMP	120VAC 10A
30	1	120VAC 10A	AMP	120VAC 10A
31	1	120VAC 10A	AMP	120VAC 10A
32	1	120VAC 10A	AMP	120VAC 10A
33	1	120VAC 10A	AMP	120VAC 10A
34	1	120VAC 10A	AMP	120VAC 10A
35	1	120VAC 10A	AMP	120VAC 10A
36	1	120VAC 10A	AMP	120VAC 10A
37	1	120VAC 10A	AMP	120VAC 10A
38	1	120VAC 10A	AMP	120VAC 10A
39	1	120VAC 10A	AMP	120VAC 10A
40	1	120VAC 10A	AMP	120VAC 10A
41	1	120VAC 10A	AMP	120VAC 10A
42	1	120VAC 10A	AMP	120VAC 10A
43	1	120VAC 10A	AMP	120VAC 10A
44	1	120VAC 10A	AMP	120VAC 10A
45	1	120VAC 10A	AMP	120VAC 10A
46	1	120VAC 10A	AMP	120VAC 10A
47	1	120VAC 10A	AMP	120VAC 10A
48	1	120VAC 10A	AMP	120VAC 10A
49	1	120VAC 10A	AMP	120VAC 10A
50	1	120VAC 10A	AMP	120VAC 10A
51	1	120VAC 10A	AMP	120VAC 10A
52	1	120VAC 10A	AMP	120VAC 10A
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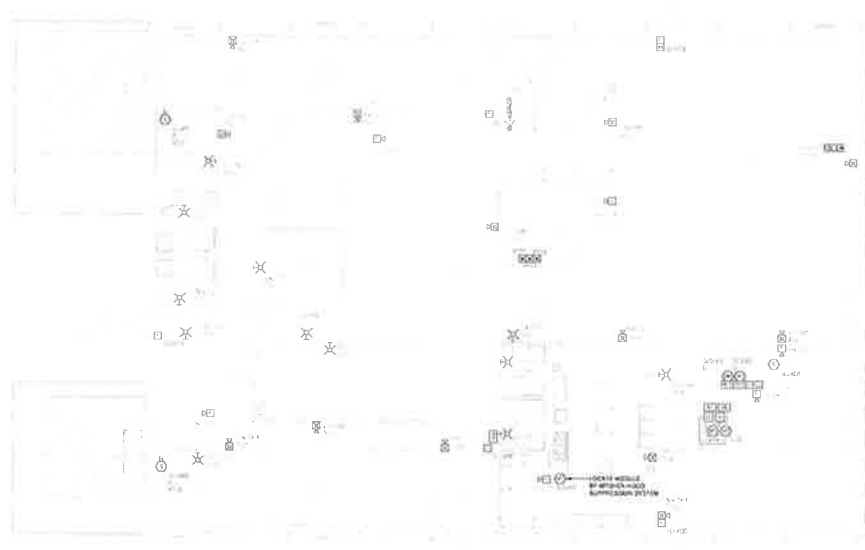
**DRAWING INDEX**

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100	120VAC 10A	12/15/20

**PROJECT:** MOA NAVIGATION CENTER  
**CLIENT:** ALCAN ELECTRIC  
**DATE:** 12/15/20  
**DRAWING TITLE:** FIRE ALARM SYSTEM  
**DRAWING SHEET:** 01

**GMW FIRE PROTECTION**  
INCORPORATED  
6108 MACKAY STREET  
ANCHORAGE, AK 99518  
(907) 336-5000  
gmwservice@gmwfire.com

PRELIMINARY DRAWINGS NOT FOR CONSTRUCTION. PENDING FIRE MARSHALL REVIEW AND ISSUANCE OF FIRE ALARM PERMIT.



FLOOR PLAN WEST



DRAWING INDEX	
NO.	DESCRIPTION
1	GENERAL NOTES
2	EXISTING CONDITIONS
3	NEW WORK
4	REVISIONS
5	PROJECT INFORMATION
6	OWNER
7	DESIGNER
8	DATE
9	SCALE
10	TITLE
11	PROJECT NO.
12	DATE
13	SCALE
14	TITLE
15	PROJECT NO.
16	DATE
17	SCALE
18	TITLE
19	PROJECT NO.
20	DATE
21	SCALE
22	TITLE
23	PROJECT NO.
24	DATE
25	SCALE
26	TITLE
27	PROJECT NO.
28	DATE
29	SCALE
30	TITLE
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32	DATE
33	SCALE
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40	DATE
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45	SCALE
46	TITLE
47	PROJECT NO.
48	DATE
49	SCALE
50	TITLE

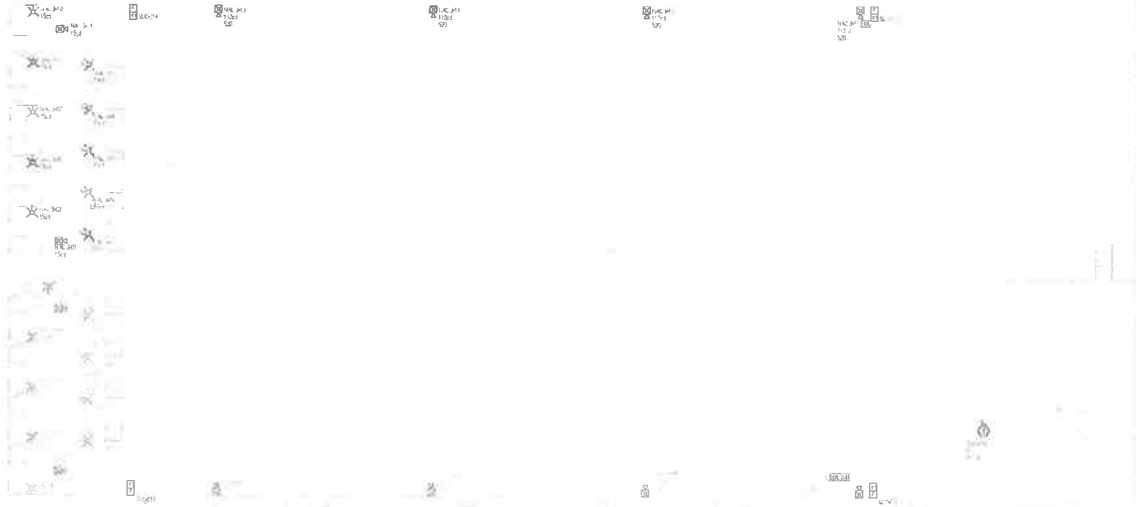


ALCAN ELECTRIC

PROJECT NO. 1234567890  
DATE 12/31/2023  
SCALE 1/8" = 1'-0"



PRELIMINARY DRAWINGS NOT FOR CONSTRUCTION PENDING FIRE MARSHALL REVIEW AND ISSUANCE OF FIRE ALARM PERMIT



FLOOR PLAN EAST

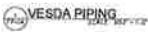
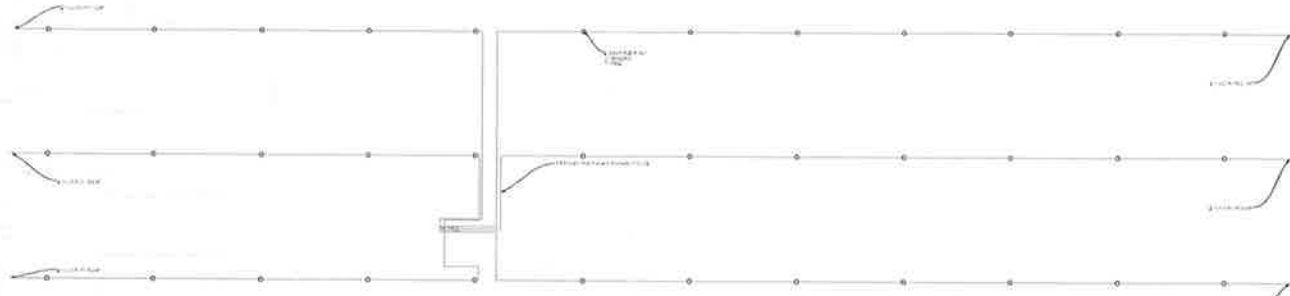


DRAWING INDEX	
NO.	DESCRIPTION
1	FLOOR PLAN EAST
2	FLOOR PLAN WEST
3	FLOOR PLAN NORTH
4	FLOOR PLAN SOUTH
5	FLOOR PLAN MECHANICAL
6	FLOOR PLAN ELECTRICAL
7	FLOOR PLAN PLUMBING
8	FLOOR PLAN FIRE ALARM
9	FLOOR PLAN ELEVATION
10	FLOOR PLAN SECTION
11	FLOOR PLAN DETAIL
12	FLOOR PLAN FINISH
13	FLOOR PLAN SCHEDULE
14	FLOOR PLAN SPECIFICATION
15	FLOOR PLAN CONTRACT
16	FLOOR PLAN AGREEMENT
17	FLOOR PLAN WARRANTY
18	FLOOR PLAN RELEASE
19	FLOOR PLAN ASSIGNMENT
20	FLOOR PLAN TRANSFER
21	FLOOR PLAN SURRENDER
22	FLOOR PLAN RESIGNATION
23	FLOOR PLAN DEED
24	FLOOR PLAN MORTGAGE
25	FLOOR PLAN LEASE
26	FLOOR PLAN LICENSE
27	FLOOR PLAN PERMIT
28	FLOOR PLAN ZONING
29	FLOOR PLAN EASEMENT
30	FLOOR PLAN ENCUMBRANCE
31	FLOOR PLAN LIEN
32	FLOOR PLAN JUDGMENT
33	FLOOR PLAN EXECUTION
34	FLOOR PLAN SIGNATURE
35	FLOOR PLAN SEAL
36	FLOOR PLAN NOTARIZATION
37	FLOOR PLAN RECORDING
38	FLOOR PLAN INDEXING
39	FLOOR PLAN SEARCHING
40	FLOOR PLAN RETURNING
41	FLOOR PLAN CANCELLING
42	FLOOR PLAN REVOKING
43	FLOOR PLAN AMENDING
44	FLOOR PLAN SUPPLEMENTING
45	FLOOR PLAN VARIATION
46	FLOOR PLAN WAIVER
47	FLOOR PLAN RELEASE OF LIABILITY
48	FLOOR PLAN RELEASE OF CLAIM
49	FLOOR PLAN RELEASE OF DEFENSE
50	FLOOR PLAN RELEASE OF LIABILITY AND CLAIM
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PROJECT: **ALCAN ELECTRIC**  
 DRAWING TITLE: **FLOOR PLAN EAST**  
 DRAWING NO.: **101**  
 PROJECT NO.: **101**



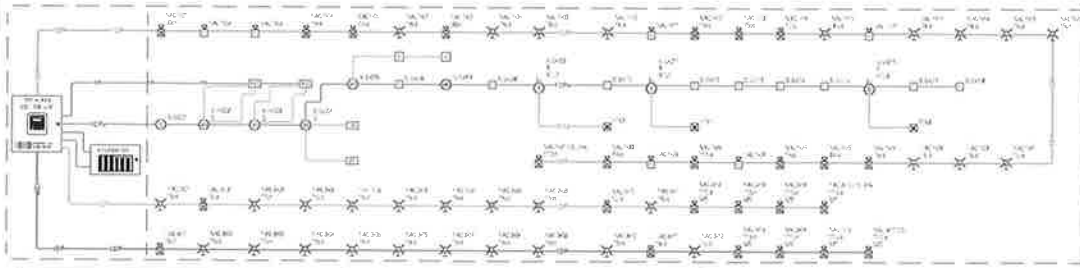
PRELIMINARY DRAWINGS NO. 1  
 FOR CONSTRUCTION PENDING  
 FIRE MARSHALL REVIEW AND  
 ISSUANCE OF FIRE ALARM  
 PERMIT



DRAWING INDEX		PROJECT INFORMATION	
NO.	DESCRIPTION	NO.	DESCRIPTION
01	GENERAL NOTES	101	PROJECT INFORMATION
02	PIPE SCHEDULE	102	DESIGNATION
03	PIPE SUPPORTS	103	DESIGNATION
04	PIPE HANGERS	104	DESIGNATION
05	PIPE BRACKETS	105	DESIGNATION
06	PIPE COUPLERS	106	DESIGNATION
07	PIPE ELBOWS	107	DESIGNATION
08	PIPE TEES	108	DESIGNATION
09	PIPE CROSSINGS	109	DESIGNATION
10	PIPE END CONNECTIONS	110	DESIGNATION
11	PIPE FLANGES	111	DESIGNATION
12	PIPE GASKETS	112	DESIGNATION
13	PIPE BOLTS	113	DESIGNATION
14	PIPE NUTS	114	DESIGNATION
15	PIPE WASHERS	115	DESIGNATION
16	PIPE BRACKET BOLTS	116	DESIGNATION
17	PIPE BRACKET NUTS	117	DESIGNATION
18	PIPE BRACKET WASHERS	118	DESIGNATION
19	PIPE BRACKET BOLTS	119	DESIGNATION
20	PIPE BRACKET NUTS	120	DESIGNATION
21	PIPE BRACKET WASHERS	121	DESIGNATION
22	PIPE BRACKET BOLTS	122	DESIGNATION
23	PIPE BRACKET NUTS	123	DESIGNATION
24	PIPE BRACKET WASHERS	124	DESIGNATION
25	PIPE BRACKET BOLTS	125	DESIGNATION
26	PIPE BRACKET NUTS	126	DESIGNATION
27	PIPE BRACKET WASHERS	127	DESIGNATION
28	PIPE BRACKET BOLTS	128	DESIGNATION
29	PIPE BRACKET NUTS	129	DESIGNATION
30	PIPE BRACKET WASHERS	130	DESIGNATION

**GMW FIRE PROTECTION**  
 PROJECT: 101  
 DESIGN: 102  
 DRAWING TITLE: VESDA PIPING  
 CONTRACTOR: ALCAN ELECTRIC

PRELIMINARY DRAWINGS NOT FOR CONSTRUCTION PENDING FIRE MARSHALL REVIEW AND ISSUANCE OF FIRE ALARM PERMIT



NO.	WIRE TYPE	QTY	DESCRIPTION	TERMINALS
46	14-2 RHH	2	FIRE ALARM CONTROL UNIT	4
47	14-2 RHH	2	FIRE ALARM CONTROL UNIT	4
48	14-2 RHH	2	FIRE ALARM CONTROL UNIT	4
49	14-2 RHH	2	FIRE ALARM CONTROL UNIT	4
50	14-2 RHH	2	FIRE ALARM CONTROL UNIT	4
51	14-2 RHH	2	FIRE ALARM CONTROL UNIT	4
52	14-2 RHH	2	FIRE ALARM CONTROL UNIT	4
53	14-2 RHH	2	FIRE ALARM CONTROL UNIT	4
54	14-2 RHH	2	FIRE ALARM CONTROL UNIT	4
55	14-2 RHH	2	FIRE ALARM CONTROL UNIT	4
56	14-2 RHH	2	FIRE ALARM CONTROL UNIT	4

ONE LINE

NO.	DESCRIPTION	UNIT	QTY
1	MANUAL FIRE ALARM PULL STATION	11	12
2	REMOTE STATION	11	12
3	FRINGE EXISTING WATER VALVE	11	12
4	FRINGE EXISTING TRUCK CLOSET	11	12
5	FIRE ALARM CONTROL UNIT	11	12
6	FIRE ALARM SYSTEM BATTERY	11	12
7	CONTROL PANEL	11	12
8	RELAY	11	12
9	NOTIFICATION APPLIANCE	11	12
10	SMOKE DETECTOR	11	12
11	INITIATING DEVICE	11	12
12	REPEATING DEVICE	11	12
13	NOTIFICATION APPLIANCE	11	12
14	INITIATING DEVICE	11	12
15	REPEATING DEVICE	11	12
16	NOTIFICATION APPLIANCE	11	12
17	INITIATING DEVICE	11	12
18	REPEATING DEVICE	11	12
19	NOTIFICATION APPLIANCE	11	12
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21	REPEATING DEVICE	11	12
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67	NOTIFICATION APPLIANCE	11	12
68	INITIATING DEVICE	11	12
69	REPEATING DEVICE	11	12
70	NOTIFICATION APPLIANCE	11	12

MATRIX

CONDUCTOR	WIRE SIZE	TYPE	LENGTH (FT)	AMPERES (A)	VOLTS (V)	PERCENT (%)	REMARKS
1	14-2	RHH	100	10	0.08	0.08	
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3	14-2	RHH	100	10	0.08	0.08	
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5	14-2	RHH	100	10	0.08	0.08	
6	14-2	RHH	100	10	0.08	0.08	
7	14-2	RHH	100	10	0.08	0.08	
8	14-2	RHH	100	10	0.08	0.08	
9	14-2	RHH	100	10	0.08	0.08	
10	14-2	RHH	100	10	0.08	0.08	
11	14-2	RHH	100	10	0.08	0.08	
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13	14-2	RHH	100	10	0.08	0.08	
14	14-2	RHH	100	10	0.08	0.08	
15	14-2	RHH	100	10	0.08	0.08	
16	14-2	RHH	100	10	0.08	0.08	
17	14-2	RHH	100	10	0.08	0.08	
18	14-2	RHH	100	10	0.08	0.08	
19	14-2	RHH	100	10	0.08	0.08	
20	14-2	RHH	100	10	0.08	0.08	
21	14-2	RHH	100	10	0.08	0.08	
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68	14-2	RHH	100	10	0.08	0.08	
69	14-2	RHH	100	10	0.08	0.08	
70	14-2	RHH	100	10	0.08	0.08	

VOLTAGE DROP CALCULATIONS

**DRAWING INDEX**

NO.	DESCRIPTION	DATE

**REVISIONS**

NO.	DESCRIPTION	DATE

**PROJECT**

100 MAIN STREET  
ALCAN ELECTRIC  
FIRE PROTECTION

**DRAWING TITLE**

FIRE ALARM SYSTEM

**DESIGNED BY**

ALCAN ELECTRIC

**CHECKED BY**

ALCAN ELECTRIC

**DATE**

11/15/23



PRELIMINARY DRAWINGS NOT  
FOR CONSTRUCTION PENDING  
ISSUANCE OF FIRE ALARM  
PERMIT



(10) FACU DETAILS  
SCALE: NTS

**FACU BATTERY CALCULATIONS**

(10)

LINE	DESCRIPTION	WATTAGE	TYPE	AMPERAGE	CURRENT	VOLTAGE	POWER	REMARKS
1	... ..	...	...	...	...	...	...	...
2	... ..	...	...	...	...	...	...	...
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36	... ..	...	...	...	...	...	...	...
37	... ..	...	...	...	...	...	...	...
38	... ..	...	...	...	...	...	...	...
39	... ..	...	...	...	...	...	...	...
40	... ..	...	...	...	...	...	...	...
41	... ..	...	...	...	...	...	...	...
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45	... ..	...	...	...	...	...	...	...
46	... ..	...	...	...	...	...	...	...
47	... ..	...	...	...	...	...	...	...
48	... ..	...	...	...	...	...	...	...
49	... ..	...	...	...	...	...	...	...
50	... ..	...	...	...	...	...	...	...

(10) FACU BATTERY CALCULATIONS  
SCALE: NTS

**DRAWING INDEX**

NO.	DESCRIPTION	DATE	BY	CHK'D
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**REVISIONS**

NO.	DESCRIPTION	DATE	BY	CHK'D
1				
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**PROJECT:** ... ..

**DATE:** ... ..

**BY:** ... ..

**CHK'D:** ... ..

**SCALE:** ... ..

**SHEET NO.:** ... ..

**TOTAL SHEETS:** ... ..

**DRAWING TITLE:** ... ..

**DATE:** ... ..

**BY:** ... ..

**CHK'D:** ... ..

**SCALE:** ... ..

**SHEET NO.:** ... ..

**TOTAL SHEETS:** ... ..

**DRAWING TITLE:** ... ..

**DATE:** ... ..

**BY:** ... ..

**CHK'D:** ... ..

**SCALE:** ... ..

**SHEET NO.:** ... ..












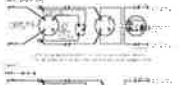

**TOTAL SHEETS:** ... ..

**DRAWING TITLE:** ... ..

**ALCAN ELECTRIC**

... ..

PRELIMINARY DRAWINGS NOT FOR CONSTRUCTION REVIEW PENDING FIRE MARSHALL REVIEW AND ISSUANCE OF FIRE ALARM PERMIT

<p><b>SIEMENS</b></p> <p>INSTALLATION INSTRUCTIONS</p> 	<p>INSTALLATION INSTRUCTIONS</p> 	<p><b>SIEMENS</b></p> <p>INSTALLATION INSTRUCTIONS</p> 	<p>INSTALLATION INSTRUCTIONS</p> 	<p>INSTALLATION INSTRUCTIONS</p> 
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<p>INSTALLATION INSTRUCTIONS</p> 	<p>INSTALLATION INSTRUCTIONS</p> 	<p>INSTALLATION INSTRUCTIONS</p> 		

DRAWING INDEX	
NO.	DESCRIPTION
1	GENERAL NOTES
2	INSTALLATION INSTRUCTIONS
3	WIRING DIAGRAMS
4	TESTING PROCEDURES
5	MAINTENANCE PROCEDURES
6	REPAIR PROCEDURES
7	REPLACEMENT PARTS
8	ACCESSORIES
9	OPTIONAL EQUIPMENT
10	REVISIONS
11	INDEX

<p>REVISIONS</p> <p>NO. DESCRIPTION</p> <p>1. [REDACTED]</p>	<p>DATE</p> <p>BY</p> <p>CHKD BY</p>
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<p>PROJECT</p> <p>1750 Main Street</p> <p>Alcan Electric</p> <p>Phone: (203) 233-1000</p> <p>Fax: (203) 233-1001</p>	<p>DATE</p> <p>NO.</p> <p>BY</p> <p>CHKD BY</p>
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<p>PRODUCT</p> <p>1750 Main Street</p> <p>Alcan Electric</p> <p>Phone: (203) 233-1000</p> <p>Fax: (203) 233-1001</p>	<p>DATE</p> <p>NO.</p> <p>BY</p> <p>CHKD BY</p>
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<p>PROJECT</p> <p>1750 Main Street</p> <p>Alcan Electric</p> <p>Phone: (203) 233-1000</p> <p>Fax: (203) 233-1001</p>	<p>DATE</p> <p>NO.</p> <p>BY</p> <p>CHKD BY</p>
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<p>PROJECT</p> <p>1750 Main Street</p> <p>Alcan Electric</p> <p>Phone: (203) 233-1000</p> <p>Fax: (203) 233-1001</p>	<p>DATE</p> <p>NO.</p> <p>BY</p> <p>CHKD BY</p>
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PRELIMINARY DRAWINGS NOT FOR CONSTRUCTION PENDING FIRE MARSHALL REVIEW AND ISSUANCE OF FIRE ALARM PERMIT

**SIEMENS**

Technical drawings for Siemens fire alarm components, including wiring diagrams, component specifications, and performance graphs.

**VESDA VLI - Installation Instructions**

**VESDA VLI - Wiring Instructions**

Installation and wiring instructions for the VESDA VLI device, including diagrams and component details.

DRAWING INDEX	
NO.	DESCRIPTION
1	GENERAL NOTES
2	WIRING DIAGRAMS
3	COMPONENT SPECIFICATIONS
4	PERFORMANCE DATA
5	INSTALLATION INSTRUCTIONS
6	WIRING INSTRUCTIONS
7	DEVICE DETAILS
8	PROJECT INFORMATION
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**GMW FIRE PROTECTION**

**ALCAN ELECTRIC**

PROJECT: [Project Name]

DATE: [Date]

SCALE: [Scale]

REVISIONS:

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	10/15/2018



November 24, 2022

ATTN: Scott Dunlap

Roger Hickel Contracting

Subject:

Navigation Center Plumbing and HVAC Material Procurement

Scott,

The following items will be turned over to the Municipality of Anchorage.

All items are in town and available to be delivered on 12-1-22.

- (3) FS-1 Floor Sinks
- (1) GI-1 Grease Interceptor
- (1) ET-1 Expansion Tank
- (1) ET-2 Expansion Tank
- (4) GUH-1 Gas Unit Heater
- (1) AS-1 Air Separator
- (1) B-1 Boiler Low Water Cut Off
- (11) P-1 Water Closet
- (11) P-1A Water Closet
- (22) P-2 Hand Sinks
- (9) P-3 Shower
- (11) P-3A Shower
- (120') FT-1 Baseboard
- (5) RP-1 Radiant Panels
- (5) UH-1 Unit Heaters
- (4) CUH-1 and CUH-2 Cabinet Unit Heaters