

# VALDEZ PIONEER FIELD AIRPORT

## SNOW REMOVAL EQUIPMENT BUILDING & DEICING MATERIAL STORAGE BUILDING

VALDEZ, ALASKA

PROJECT No. Z61860000  
AIRPORT IMPROVEMENT PROGRAM  
A.I.P. No. 3-02-0311-XXX-2024

LAUREN STAFF, PROJECT MANAGER  
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
STATEWIDE PUBLIC FACILITIES  
2720 PICKETT PL  
FAIRBANKS, AK 99709  
(907) 451-5424

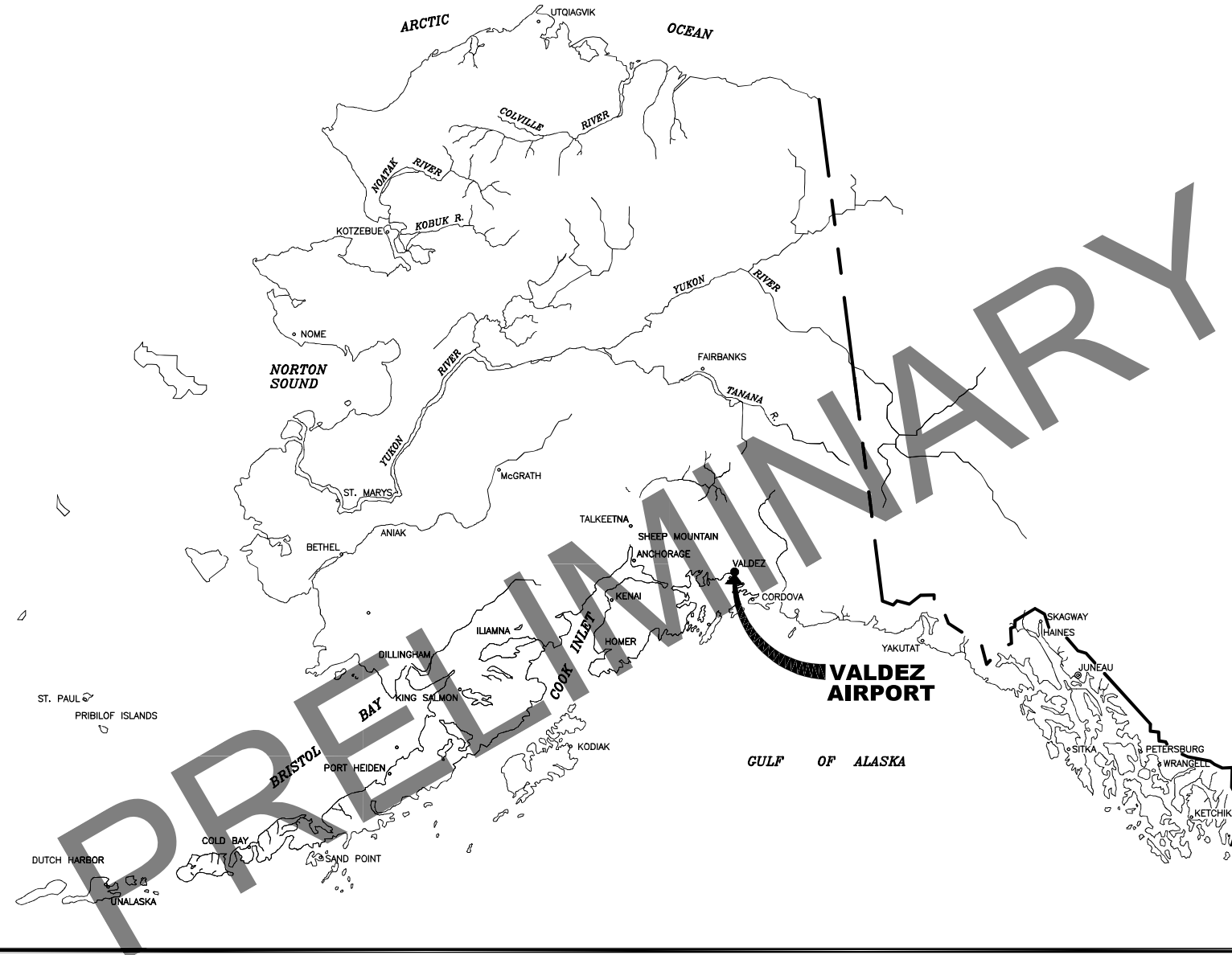
DONALD PORTER, P.E.  
R&M CONSULTANTS, INC.  
CERT. OF AUTHORIZATION NO.: AECC111  
9101 VANGUARD DR.  
ANCHORAGE, AK 99507  
(907) 522-1707

JOHN WEIR, A.I.A.  
MCG EXPLORE DESIGN  
CERT. OF AUTHORIZATION NO.: AECC218  
421 W. 1ST AVENUE, SUITE 300  
ANCHORAGE, AK 99501  
(907) 563-8474

MICHAEL FIERRO, P.E.  
REID MIDDLETON, INC.  
CERT. OF AUTHORIZATION NO.: AECC598  
4300 B STREET SUITE 403  
ANCHORAGE, AK 99503  
(907) 433-3304

EDWARD W. CARLSON, P.E.  
MBA CONSULTING ENGINEERS, INC.  
CERT. OF AUTHORIZATION NO.: AECC578  
3812 SPENARD RD #200  
ANCHORAGE, AK 99517  
(907) 274-2622

SCOTT HALA, P.E.  
MBA CONSULTING ENGINEERS, INC.  
CERT. OF AUTHORIZATION NO.: AECC578  
3812 SPENARD RD #200  
ANCHORAGE, AK 99517  
(907) 274-2622



95% FACILITY DESIGN  
MARCH 2024

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**VALDEZ AIRPORT**  
**SREB & DMSB**

PROJECT No. Z61860000

COVER SHEET

SHEET: G1 OF G2  
1 OF XX

# INDEX

## SHEET NO. SHEET TITLE

<b>GENERAL</b>	
G1	COVER SHEET
G2	INDEX, LEGEND, ABBREVIATIONS
<b>CIVIL</b>	
C1	KEY MAP AND NOTES
C2	EXISTING SITE AND DEMOLITION PLAN
C3	SITE PLAN
C4	SITE GRADING
C5	SITE GRADING
C6	SITE SECTIONS
C7	UTILITY PLAN AND PROFILES
C8	CIVIL DETAILS
C9	CIVIL DETAILS
<b>ARCHITECTURAL</b>	
A1	SREB ASSEMBLIES AND CODE
A2	DMSB ASSEMBLIES AND CODE
A3	GEEB FLOOR PLAN, CODE SUMMARY, AND ASSEMBLIES
-	
A11	SREB FLOOR PLAN - LEVEL 1
A12	SREB MEZZANINE PLAN
A13	SREB ROOF PLAN
A14	SREB BUILDING ELEVATIONS
A15	SREB BUILDING SECTIONS
A16	SREB SCHEDULES
A17	SREB DETAILS
A18	SREB DETAILS
A19	SREB DETAILS
A20	SREB STAIR DETAILS
A21	DMSB FLOOR PLAN - LEVEL 1
A22	DMSB ROOF PLAN
A23	DMSB BUILDING ELEVATIONS
A24	DMSB BUILDING SECTIONS
A25	DMSB SCHEDULES
A26	DMSB WALL SECTIONS
A27	DMSB DETAILS
A31	GEEB BUILDING ELEVATIONS
A32	GEEB SECTION AND DETAILS
A33	GEEB DETAILS
<b>STRUCTURAL</b>	
S01	ABBREVIATIONS & SYMBOLS
S02	GENERAL STRUCTURAL NOTES
S03	GENERAL SPECIAL INSPECTIONS & TESTING
S04	STEEL SPECIAL INSPECTIONS & TESTING
<b>STRUCTURAL: SREB</b>	
S11	SREB FOUNDATION PLAN & DETAILS
S12	SREB CONCRETE PIERS
S13	SREB SLAB ON GRADE PLAN & DETAILS
S14	SREB MEZZANINE FRAMING PLAN & DETAILS
S15	SREB MISC PLANS, SECTIONS, & DETAILS
<b>STRUCTURAL: DMSB</b>	
S21	DMSB FOUNDATION AND ROOF PLANS
S22	DMSB CONCRETE DETAILS
S23	DMSB FRAMING DETAILS
S24	DMSB FRAMING DETAILS & LOAD DIAGRAMS

## SHEET NO. SHEET TITLE

<b>STRUCTURAL: GEEB</b>	
S31	GEEB FOUNDATIONS & ROOF FRAMING PLANS
S32	GEEB CONCRETE DETAILS
S33	GEEB FRAMING DETAILS
S34	GEEB SCHEDULES
<b>MECHANICAL</b>	
M1	LEGEND AND ANNOTATIONS
<b>MECHANICAL: SREB</b>	
M11	SCHEDULES AND DETAILS
M12	UNDERFLOOR PLAN
M13	RADIANT FLOOR PLAN
M14	MECHANICAL PLAN
M15	ENLARGED MECHANICAL ROOM
M16	BOILER PIPING SCHEMATIC
M17	PLUMBING DETAILS
M18	MECHANICAL DETAILS
M19	COMPRESSED AIR SCHEMATIC
<b>MECHANICAL: DMSB</b>	
M21	SCHEDULES AND DETAILS
M22	MECHANICAL PLANS
M23	SCHEMATIC DIAGRAM
M24	MECHANICAL DETAILS
<b>MECHANICAL: GEEB</b>	
M31	SCHEDULES & HVAC PLAN
M32	MECHANICAL DETAILS
<b>ELECTRICAL</b>	
E1	LEGENDS
E2	ELECTRICAL DEMOLITION SITE PLAN
E3	ELECTRICAL NEW WORK SITE PLAN
E4	POWER ONE-LINE DIAGRAMS
E5	POWER SERVICE AND GROUNDING DETAILS
E6	AIRFIELD LIGHTING DETAILS
E7	HANDHOLE DETAILS
<b>ELECTRICAL: SREB</b>	
E11	SREB SCHEDULES
E12	SREB LIGHTING PLAN
E13	SREB POWER PLAN
E14	ENLARGED MECH/ELEC ROOM POWER PLAN
E15	ENLARGED MEZZANINE PLAN
E16	SREB CONTROLS DETAILS
<b>ELECTRICAL: DMSB</b>	
E21	DMSB SCHEDULES
E22	DMSB LIGHTING PLAN
E23	DMSB - POWER PLAN
<b>ELECTRICAL: GEEB</b>	
E31	GEEB SCHEDULES
E32	GEEB PLAN
E33	GEEB DIAGRAMS
E34	AIRFIELD LIGHTING CONTROL DIAGRAM
<b>HAZARDOUS MATERIAL</b>	
H1	HAZARDOUS MATERIAL NOTES, ACRONYM KEY
H2	SREB - ASBESTOS & LEAD SAMPLE LOCATIONS & RESULTS
H3	UREA BUILDING - ASBESTOS & LEAD SAMPLE LOCATIONS & RESULTS

# LEGEND

EXISTING	PROPOSED	DESCRIPTION
----	----	LEASE LOT LINE
----	----	EDGE OF PAVEMENT
— UE — UE — UE —	— UGE —	UNDERGROUND ELECTRIC LINE
— T — T — T —	—	UNDERGROUND TELEPHONE LINE
— FO — FO — FO —	—	FIBER OPTIC LINE
— W — W — W —	— W — W —	WATER LINE
— SS —	— SS —	SANITARY SEWER LINE
— SD — SD — SD —	—	STORM DRAIN LINE
— BRL —	—	BUILDING RESTRICTION LINE
— X — X — X —	—	FENCE LINE
----	----	CUT LIMIT
— 100 —	— 100 —	CONTOURS
		AIRPORT BEACON
		ANTENNA
		AIRCRAFT TIEDOWN
		BOLLARD
		FENCE POST
		SIGN
		ELECTRIC TRANSFORMER
		ELECTRIC METER
		LUMINAIRE
		ELECTRICAL LOAD CENTER
		WATER WELL
		FIRE HYDRANT
		STORM DRAIN MANHOLE
		FUEL/GAS
		BUILDING
		ASPHALT PAVEMENT
		CONCRETE
		GRAVEL
		GRADE BREAK/DRAINAGE FLOW

# ABBREVIATIONS

AAC	ALASKA ADMINISTRATIVE CODE
ADEC	ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AIP	AIRPORT IMPROVEMENT PROGRAM
APPROX	APPROXIMATELY
ARFF	AIRPORT RESCUE AND FIRE FIGHTING
ASPH	ASPHALT
BLDG	BUILDING
BMP	BEST MANAGEMENT PRACTICE
BOP	BOTTOM OF PIPE
BRL	BUILDING RESTRICTION LINE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CSB	CHEMICAL STORAGE BUILDING
DEMO	DEMOLITION
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DMSB	DEICING MATERIAL STORAGE BUILDING
DOT&PF	ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
DTL	DETAIL
E	EASTING
EA	EACH
ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
ESCP	EROSION AND SEDIMENT CONTROL PLAN
(E)	EXISTING
FDN	FOUNDATION
F&I	FURNISH AND INSTALL
FF	FINISHED FLOOR
FG	FINISH GRADE
FT	FOOT, FEET
G	NATURAL GAS
GAL	GALLONS
GEEB	GENERAL ELECTRICAL EQUIPMENT BUILDING
GB	GRADE BREAK
GW	GROUND WATER
HORZ	HORIZONTAL
IN	INCH, INCHES
INV	INVERT
L	LENGTH
LF	LINEAL FEET
LT	LEFT
M&O	MAINTENANCE & OPERATIONS
MAX	MAXIMUM
ME	MATCH EXISTING
MECH	MECHANICAL
MIN	MINIMUM
N	NORTHING
NTS	NOT TO SCALE
O.C.	ON CENTER
PVC	POLYVINYL CHLORIDE
R	RADIUS
ROW	RIGHT OF WAY
RT	RIGHT
RW	RUNWAY
S	SLOPE
SD	STORM DRAIN
SF	SQUARE FEET
SQ	SQUARE
SREB	SNOW REMOVAL EQUIPMENT BUILDING
SS	SANITARY SEWER
STA	STATION
STD	STANDARD
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
TH	TEST HOLE
TYP	TYPICAL
W	WATER
WV	WITH

**95% FACILITY DESIGN  
MARCH 2024**

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**VALDEZ AIRPORT  
SREB & DMSB**

PROJECT No. Z61860000

INDEX, LEGEND, ABBREVIATIONS

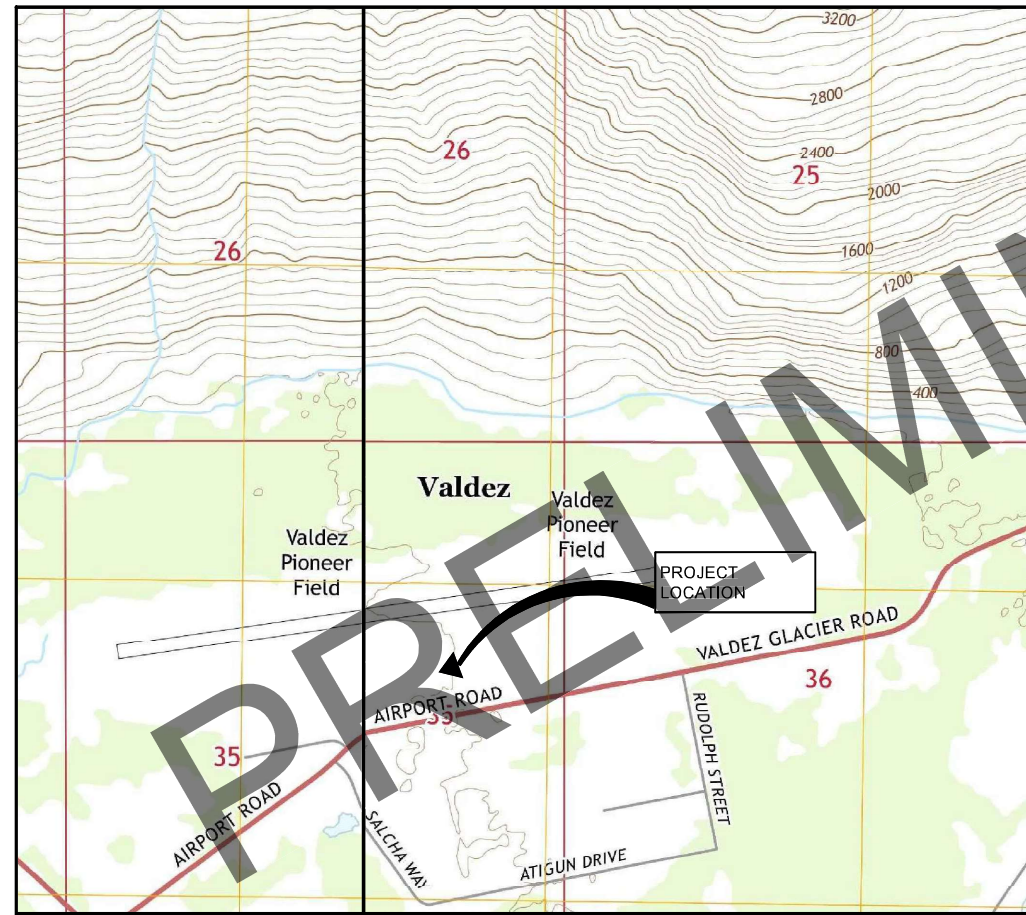
SHEET: G2 OF G2  
2 OF XX



**GENERAL NOTES:**

1. LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL OBTAIN UTILITY FIELD LOCATES PRIOR TO EXCAVATION OR GRADING ACTIVITIES. VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD AND RECORD SAME ON CONTRACTOR RECORD DRAWINGS.
2. THE CONTRACTOR SHALL CHECK ALL SURVEY CONTROL, GRADES, INVERTS, STATIONING, AND ALIGNMENTS PRIOR TO CONSTRUCTION AND ADVISE OF ANY DISCREPANCIES BETWEEN THE CONTRACT SURVEY AND THE DESIGN DRAWINGS.
3. THE CONTRACTOR SHALL COORDINATE ALL NECESSARY PERMITS THAT ARE NOT PROVIDED IN THE BID DOCUMENTS PRIOR TO BEGINNING CONSTRUCTION.
4. ALL EXISTING SITE IMPROVEMENTS SHALL BE LEFT IN PLACE UNLESS NOTED OTHERWISE.
5. ALL DAMAGE TO THE PROPERTY THAT IS CAUSED BY OR THAT RESULTS FROM CARRYING OUT OF THE WORK, OR FROM ANY ACT, OMISSION, OR NEGLIGENCE OF THE CONTRACTOR, HIS SUBCONTRACTORS, OR HIS EMPLOYEES, SHALL PROMPTLY BE REMEDIED BY THE CONTRACTOR EITHER BY REPAIRING, REBUILDING, OR REPLACING OF THE PROPERTY DAMAGED OR IN SOME OTHER MANNER SATISFACTORY TO THE OWNER.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS AS NECESSARY TO COMPLY WITH FEDERAL, STATE, AND MUNICIPAL LAWS THAT PROHIBIT UN-PERMITTED DISCHARGE OF POLLUTANTS, INCLUDING SEDIMENTS, THAT ARE A RESULT OF EROSION AND OTHER CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CONDUCT ALL WORK SO SEDIMENT IS NOT TRANSPORTED ONTO THE ROADWAY OR ADJACENT PROPERTY. AT A MINIMUM, THE CONTRACTOR SHALL SWEEP UP ANY SEDIMENT TRACKED ONTO PAVED SURFACES IN PUBLIC RIGHT-OF-WAY AT THE END OF EVERY SHIFT OR WITHIN 12 HOURS OF THE TRACKING TO MINIMIZE THE WASH-OFF OF SEDIMENT INTO THE STORM DRAINS OR WATERWAYS.

Date Revised: 3/5/2024  
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 File Path & Name:  
 Designed By: DC  
 Drawn By: JB  
 Checked By: DP



**VICINITY MAP**

NOT TO SCALE  
 T 8S, R 8W  
 SECTION 35 AND 36  
 COPPER MERIDIAN  
 U.S.G.S. VALDEZ A-6 AND A-7

PLANS DEVELOPED BY:  
 R&M CONSULTANTS, INC.  
 CERT. OF AUTH.: AEC111

R&M PROJECT NUMBER: 3020.01

PRELIMINARY PLANS

**95% FACILITY DESIGN**

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

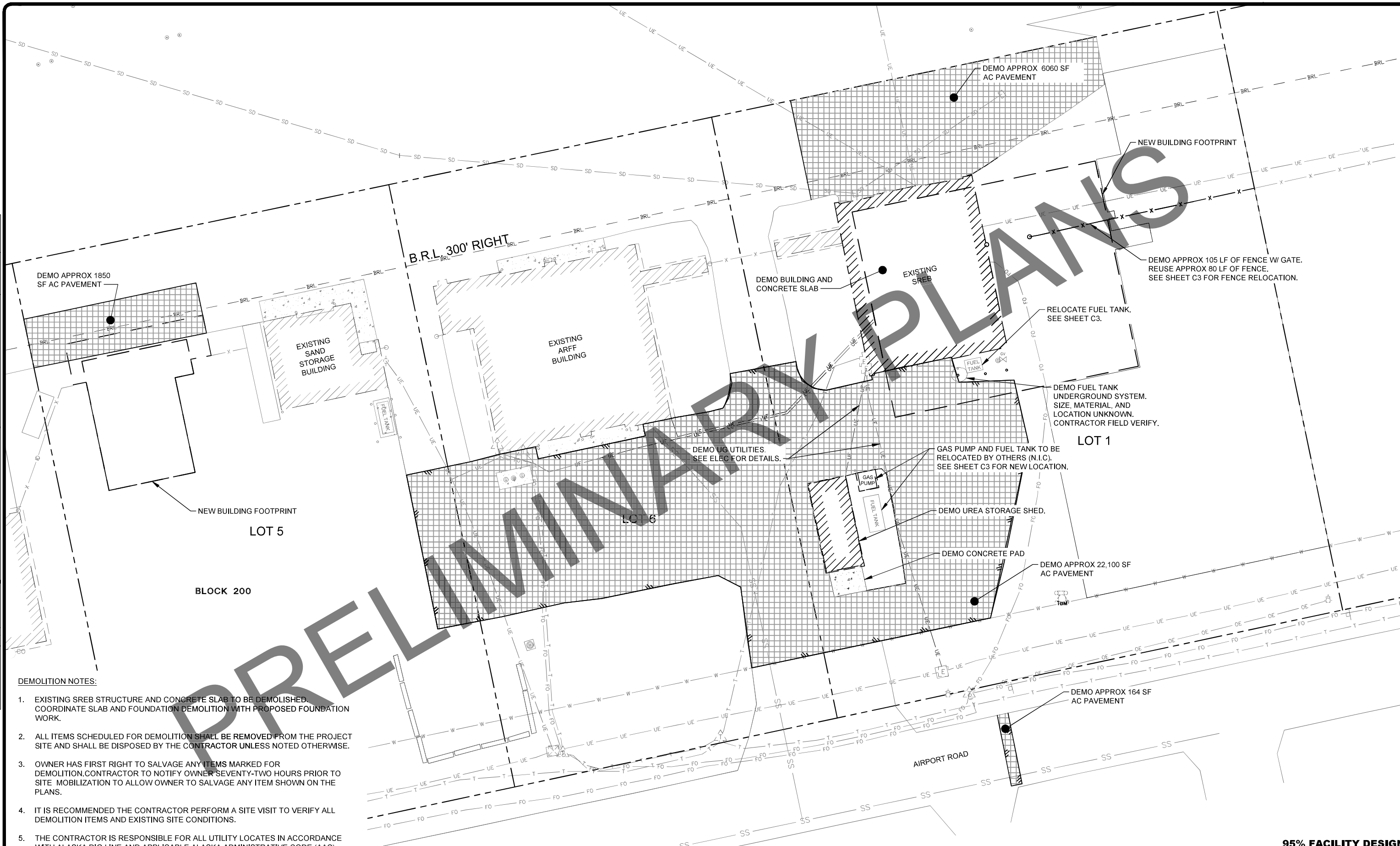
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 KEY MAP AND NOTES

DATE: 3/5/2024  
 SHEET: C1 OF C8  
 3 OF XX

Date Revised: 3/5/2024  
 Layout Name: Z:\Projects\3020.01 DOT - SWRF - Valdez SREB\CAD\3020.01-C2-Demolition Plans.dwg  
 File Path & Name:

R&M PROJECT NUMBER: 3020.01

Designed By: DC  
 Drawn By: JB  
 Checked By: DP



**DEMOLITION NOTES:**

- EXISTING SREB STRUCTURE AND CONCRETE SLAB TO BE DEMOLISHED. COORDINATE SLAB AND FOUNDATION DEMOLITION WITH PROPOSED FOUNDATION WORK.
- ALL ITEMS SCHEDULED FOR DEMOLITION SHALL BE REMOVED FROM THE PROJECT SITE AND SHALL BE DISPOSED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
- OWNER HAS FIRST RIGHT TO SALVAGE ANY ITEMS MARKED FOR DEMOLITION. CONTRACTOR TO NOTIFY OWNER SEVENTY-TWO HOURS PRIOR TO SITE MOBILIZATION TO ALLOW OWNER TO SALVAGE ANY ITEM SHOWN ON THE PLANS.
- IT IS RECOMMENDED THE CONTRACTOR PERFORM A SITE VISIT TO VERIFY ALL DEMOLITION ITEMS AND EXISTING SITE CONDITIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY LOCATES IN ACCORDANCE WITH ALASKA DIG LINE AND APPLICABLE ALASKA ADMINISTRATIVE CODE (AAC).
- PROTECT IN PLACE EXISTING FEATURES THAT ARE NOT SCHEDULED FOR DEMOLITION.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND EXECUTING UTILITY SERVICE DISCONNECTS AND RECONNECTS.

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 CERT. OF AUTH.: AECC11

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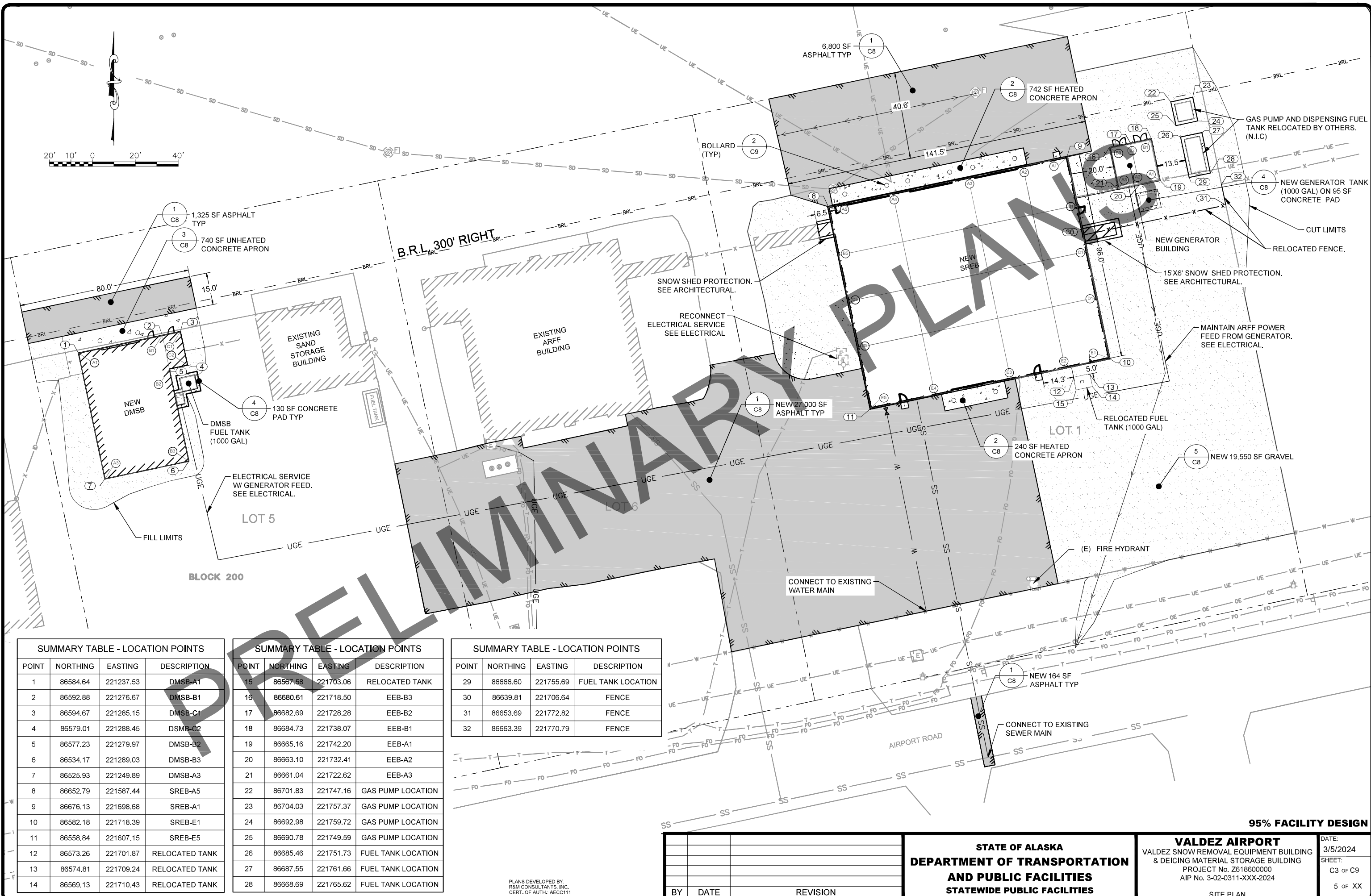
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 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
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 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 EXISTING SITE AND DEMOLITION PLAN

DATE: 3/5/2024  
 SHEET: C2 OF C9  
 4 OF XX

Date Revised: 3/5/2024  
 Layout Name: Z:\Projects\3020.01 DOT\_SINFF\Valdez\_SREB\CAD\3020.01-C3-Site Plan.dwg  
 File Path & Name:

R&M PROJECT NUMBER: 3020.01



SUMMARY TABLE - LOCATION POINTS			
POINT	NORTHING	EASTING	DESCRIPTION
1	86584.64	221237.53	DMSB-A1
2	86592.88	221276.67	DMSB-B1
3	86594.67	221285.15	DMSB-C1
4	86579.01	221288.45	DSMB-C2
5	86577.23	221279.97	DMSB-B2
6	86534.17	221289.03	DMSB-B3
7	86525.93	221249.89	DMSB-A3
8	86652.79	221587.44	SREB-A5
9	86676.13	221698.68	SREB-A1
10	86582.18	221718.39	SREB-E1
11	86558.84	221607.15	SREB-E5
12	86573.26	221701.87	RELOCATED TANK
13	86574.81	221709.24	RELOCATED TANK
14	86569.13	221710.43	RELOCATED TANK

SUMMARY TABLE - LOCATION POINTS			
POINT	NORTHING	EASTING	DESCRIPTION
15	86567.58	221703.06	RELOCATED TANK
16	86680.61	221718.50	EEB-B3
17	86682.69	221728.28	EEB-B2
18	86684.73	221738.07	EEB-B1
19	86665.16	221742.20	EEB-A1
20	86663.10	221732.41	EEB-A2
21	86661.04	221722.62	EEB-A3
22	86701.83	221747.16	GAS PUMP LOCATION
23	86704.03	221757.37	GAS PUMP LOCATION
24	86692.98	221759.72	GAS PUMP LOCATION
25	86690.78	221749.59	GAS PUMP LOCATION
26	86685.46	221751.73	FUEL TANK LOCATION
27	86687.55	221761.66	FUEL TANK LOCATION
28	86668.69	221765.62	FUEL TANK LOCATION

SUMMARY TABLE - LOCATION POINTS			
POINT	NORTHING	EASTING	DESCRIPTION
29	86666.60	221755.69	FUEL TANK LOCATION
30	86639.81	221706.64	FENCE
31	86653.69	221772.82	FENCE
32	86663.39	221770.79	FENCE

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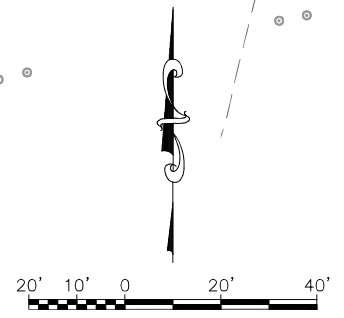
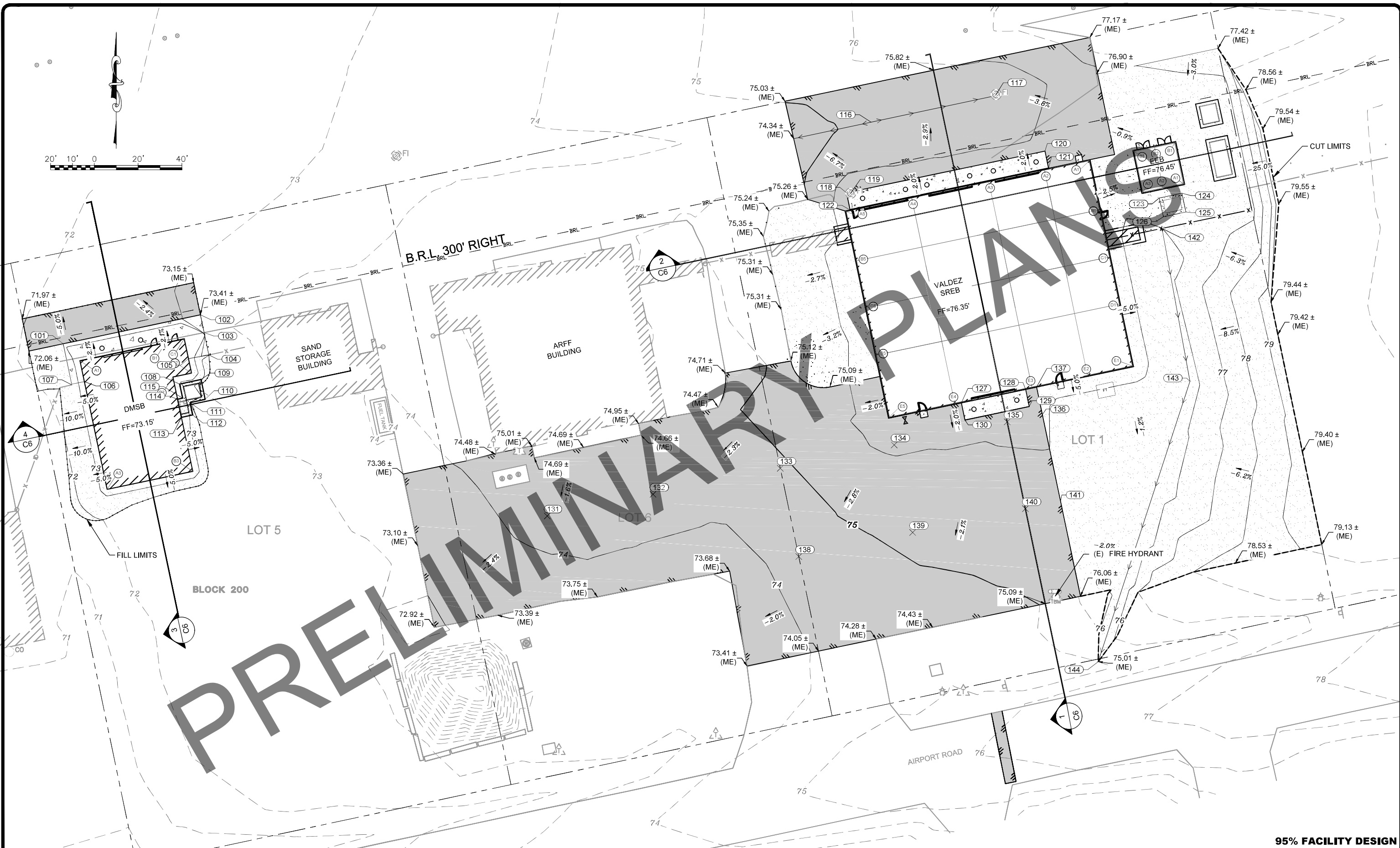
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 AIP No. 3-02-0311-XXX-2024  
 SITE PLAN

DATE: 3/5/2024  
 SHEET: C3 OF C9  
 5 OF XX

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R&M PROJECT NUMBER: 3020.01



BLOCK 200

LOT 5

LOT 1

B.R.L. 300' RIGHT

AIRPORT ROAD

AIRPORT ROAD

PLANS DEVELOPED BY:  
R&M CONSULTANTS, INC.  
CERT. OF AUTH.: AECC11

BY	DATE	REVISION

**STATE OF ALASKA**  
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 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SITE GRADING

DATE: 3/5/2024  
 SHEET: C4 OF C9  
 6 OF XX

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R&M PROJECT NUMBER: 3020.01

SUMMARY TABLE - GRADING POINTS				
POINT	NORTHING	EASTING	ELEV.	DESCRIPTION
101	86592.41	221229.86	72.96	CONC APRON
102	86605.65	221292.53	73.41	CONC APRON
103	86597.51	221294.23	73.04	CONC APRON
104	86587.31	221296.35	73.02	CONC APRON
105	86585.62	221287.06	73.15	CONC APRON
106	86575.15	221239.45	73.15	CONC APRON
107	86573.67	221233.75	72.80	CONC APRON
108	86574.00	221283.02	73.06	DMSB FUEL TANK CONC PAD
109	86576.11	221292.82	72.98	DMSB FUEL TANK CONC PAD
110	86567.02	221294.67	72.94	DMSB FUEL TANK CONC PAD
111	86565.53	221287.78	72.94	DMSB FUEL TANK CONC PAD
112	86559.93	221288.99	72.91	DMSB FUEL TANK CONC PAD
113	86558.79	221283.85	73.15	DMSB FUEL TANK CONC PAD
114	86567.09	221282.10	73.15	DMSB FUEL TANK CONC PAD
115	86567.59	221284.43	73.06	DMSB FUEL TANK CONC PAD
116	86693.61	221598.93	75.50	SWALE HIGHPOINT
117	86706.24	221655.98	75.23	DRAIN INLET
118	86661.36	221587.68	76.19	CONC APRON
119	86661.18	221589.58	76.20	RAISED INLET
120	86680.41	221678.37	76.19	CONC APRON
121	86672.58	221680.02	76.35	CONC APRON
122	86653.53	221589.33	76.35	CONC APRON
123	86658.98	221730.58	76.25	GENERATOR TANK CONC PAD
124	86661.19	221740.87	76.25	GENERATOR TANK CONC PAD

SUMMARY TABLE - GRADING POINTS				
POINT	NORTHING	EASTING	ELEV.	DESCRIPTION
125	86652.59	221742.72	76.25	GENERATOR TANK CONC PAD
126	86650.38	221732.43	76.25	GENERATOR TANK CONC PAD
127	86565.42	221640.17	76.35	EDGE OF ASPHALT PVMT
128	86571.58	221669.53	76.35	EDGE OF ASPHALT PVMT
129	86563.75	221671.17	76.19	EDGE OF ASPHALT PVMT
130	86557.60	221641.81	76.19	EDGE OF ASPHALT PVMT
131	86513.75	221450.99	74.27	ASPHALT PVMT
132	86523.65	221499.31	74.28	ASPHALT PVMT
133	86535.55	221557.45	74.85	ASPHALT PVMT
134	86546.21	221609.47	76.10	ASPHALT PVMT
135	86556.78	221661.11	76.13	ASPHALT PVMT
136	86560.07	221677.17	76.13	EDGE OF ASPHALT PVMT
137	86572.64	221674.54	76.35	EDGE OF ASPHALT PVMT
138	86495.25	221565.88	74.29	ASPHALT PVMT
139	86506.23	221617.91	75.30	ASPHALT PVMT
140	86517.11	221669.43	75.68	ASPHALT PVMT
141	86520.50	221685.48	75.80	EDGE OF ASPHALT PVMT
142	86645.08	221731.81	76.00	SWALE
143	86575.24	221744.58	75.65	SWALE
144	86447.21	221702.65	74.43	SWALE

PRELIMINARY PLANS

PLANS DEVELOPED BY:  
R&M CONSULTANTS, INC.  
CERT. OF AUTH.: AECC111

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

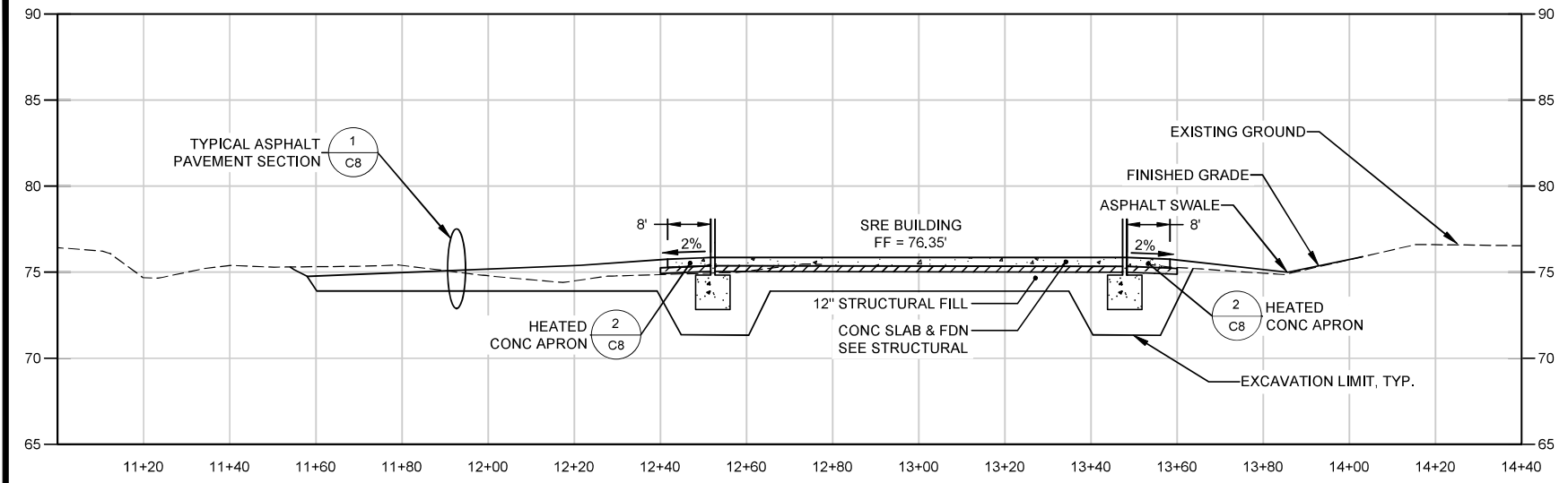
**VALDEZ AIRPORT**  
VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
& DEICING MATERIAL STORAGE BUILDING  
PROJECT No. Z618600000  
AIP No. 3-02-0311-XXX-2024  
**SITE GRADING**

DATE: 3/5/2024  
SHEET: C5 OF C9  
7 OF XX

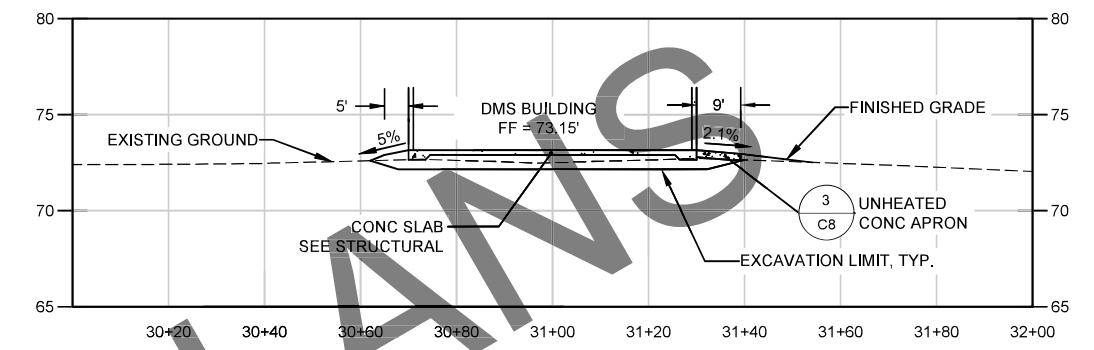
**95% FACILITY DESIGN**

Date Revised: 3/5/2024  
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 File Path & Name: Z:\Projects\3020.01 DOT - SWRF - Valdez SREB\CAD\3020.01-C6-Site Sections.dwg  
 Designed By: DC  
 Drawn By: JB  
 Checked By: DP

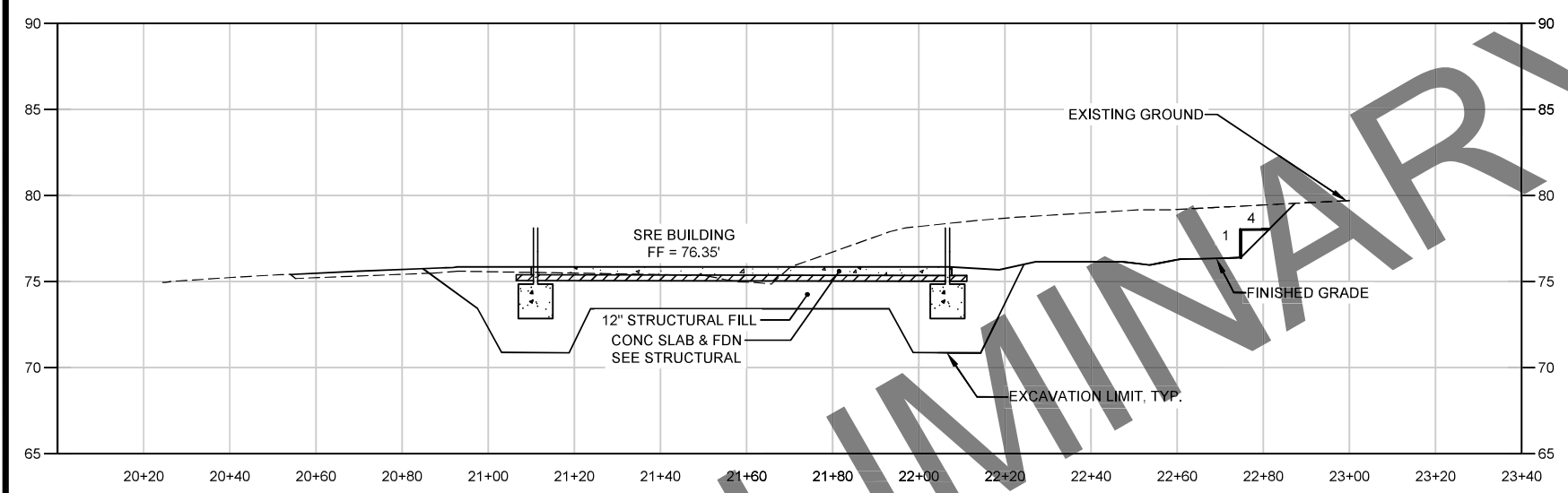
R&M PROJECT NUMBER: 3020.01



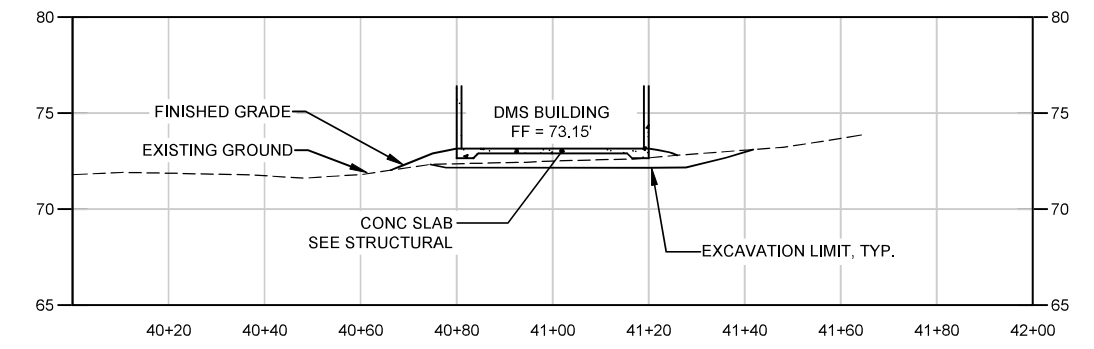
**1 SITE SECTION : SREB SOUTH-NORTH**  
 C6 SCALE: HORIZONTAL: 1:20 : VERTICAL: 1:5



**3 SITE SECTION : DMSB SOUTH-NORTH**  
 C6 SCALE: HORIZONTAL: 1:20 : VERTICAL: 1:5



**2 SITE SECTION : SREB WEST-EAST**  
 C6 SCALE: HORIZONTAL: 1:20 : VERTICAL: 1:5



**4 SITE SECTION : DMSB WEST-EAST**  
 C6 SCALE: HORIZONTAL: 1:20 : VERTICAL: 1:5

PRELIMINARY

**95% FACILITY DESIGN**

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SITE SECTIONS

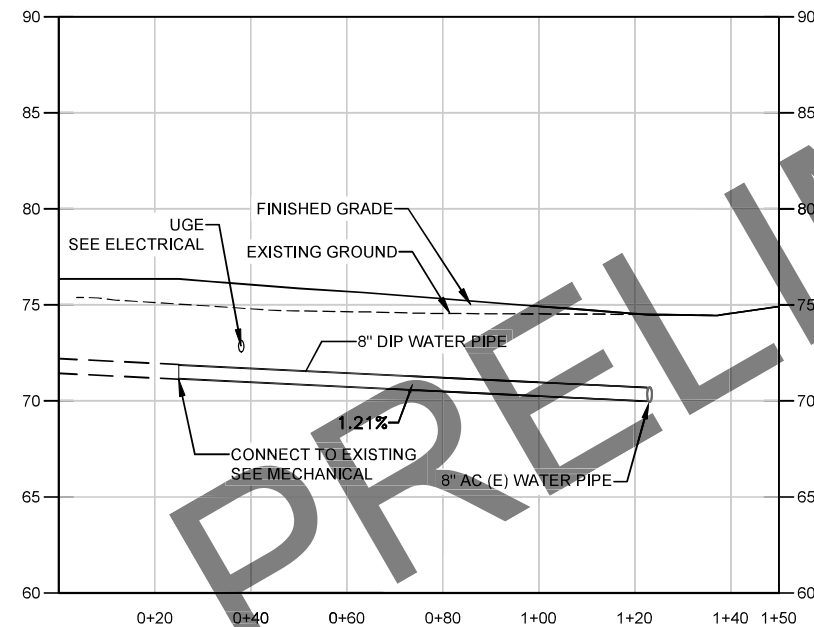
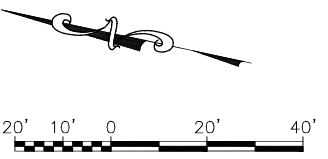
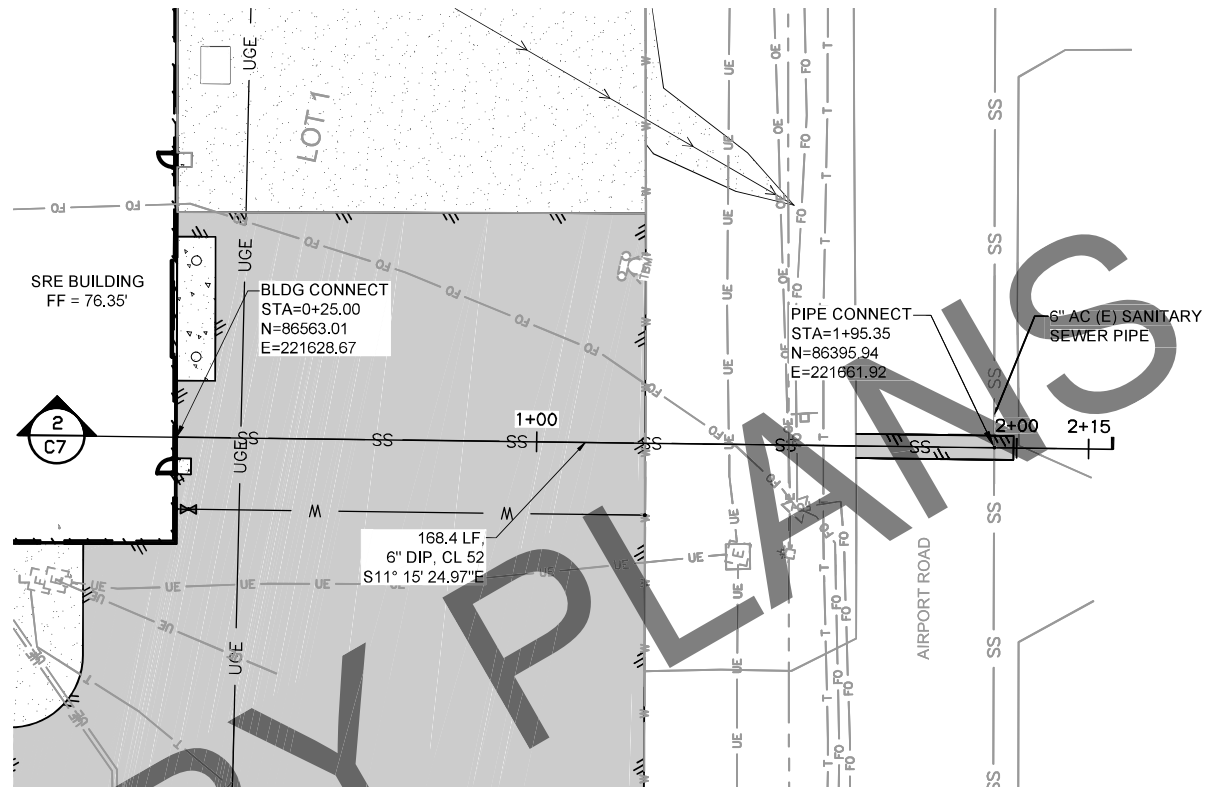
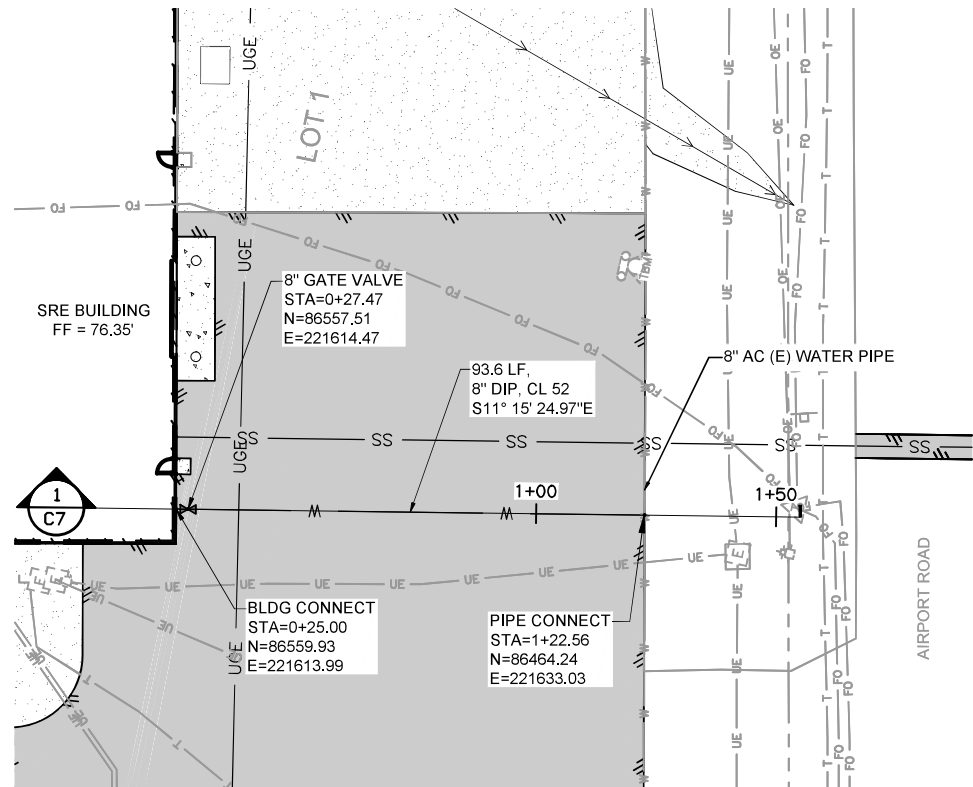
DATE: 3/5/2024  
 SHEET: C6 OF C9  
 8 OF XX

PLANS DEVELOPED BY:  
 R&M CONSULTANTS, INC.  
 CERT. OF AUTH.: AECC111

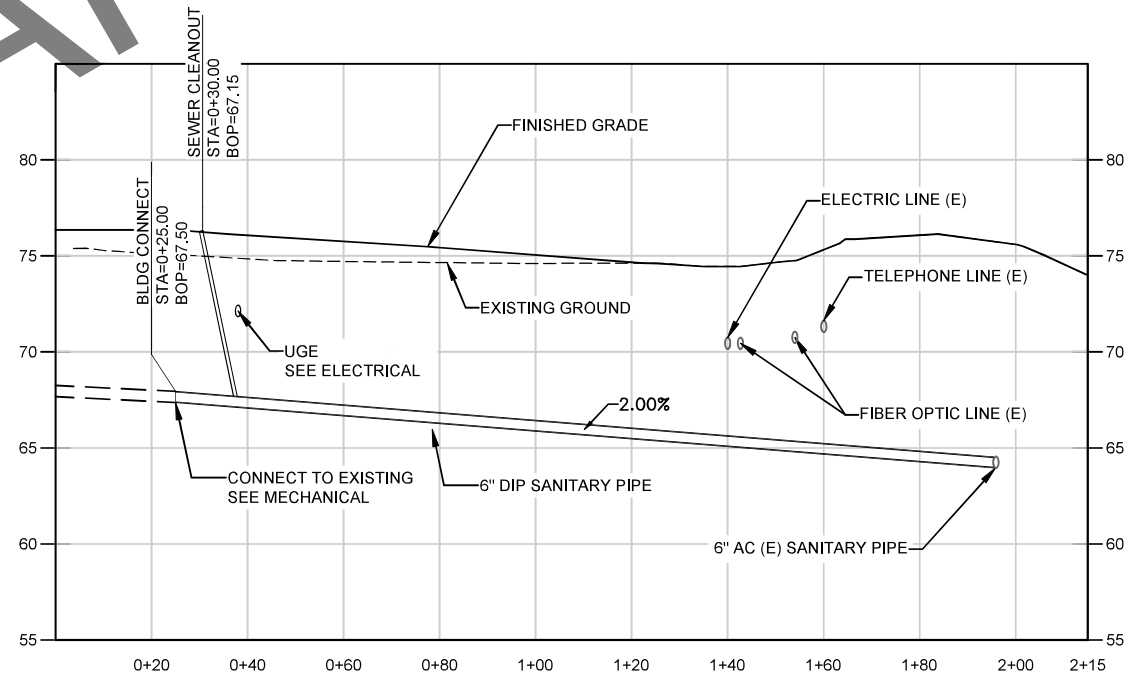


Date Revised: 3/5/2024  
 Layout Name: Z:\Projects\3020.01 DOT\_S\WFE\_Valdez\_SREB\CAD\3020.01-C6-Site Sections.dwg  
 File Path & Name:  
 Designed By: DC  
 Drawn By: JB  
 Checked By: DP

R&M PROJECT NUMBER: 3020.01



**1 PROFILE : WATERLINE**  
SCALE: HORIZONTAL: 1:20 : VERTICAL: 1:5



**2 PROFILE : SEWER**  
SCALE: HORIZONTAL: 1:20 : VERTICAL: 1:5

PLANS DEVELOPED BY:  
R&M CONSULTANTS, INC.  
CERT. OF AUTH.: AEC111

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

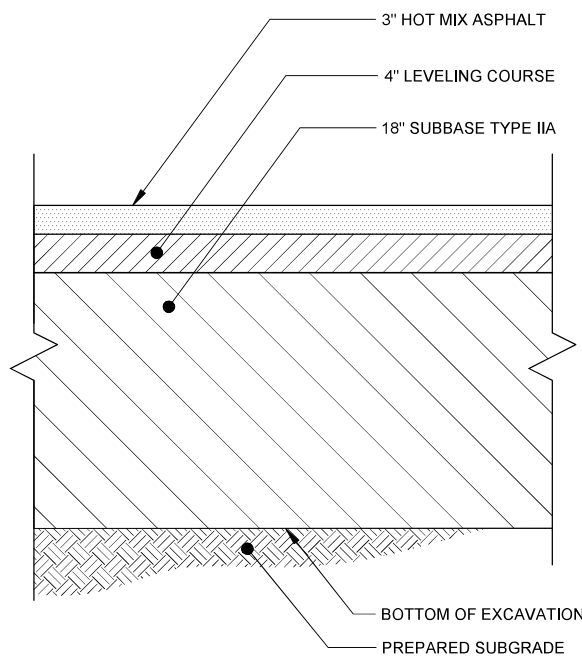
**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 UTILITY PLAN & PROFILES

DATE: 3/5/2024  
 SHEET: C7 OF C9  
 9 OF XX

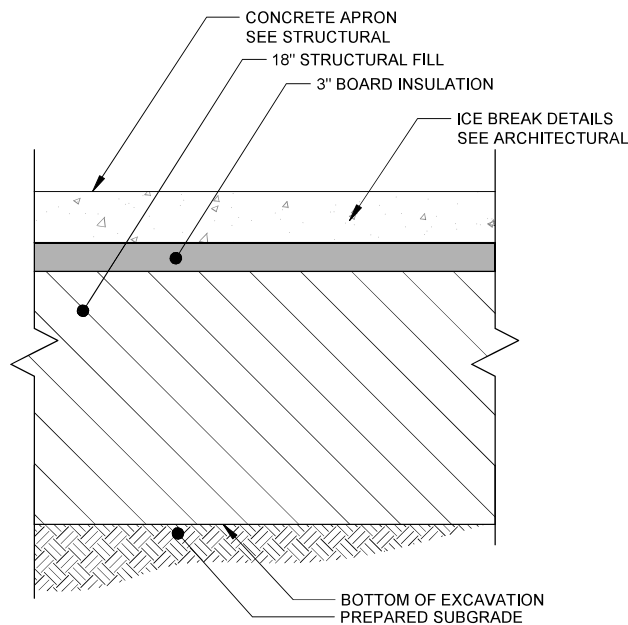
Date Revised: 3/5/2024  
 Layout Name: Z:\Projects\3020.01 DOT - SWRF - Valdez SREB\Civil\ACAD\3020.01-C8-Civil Details.dwg  
 File Path & Name:

R&M PROJECT NUMBER: 3020.01

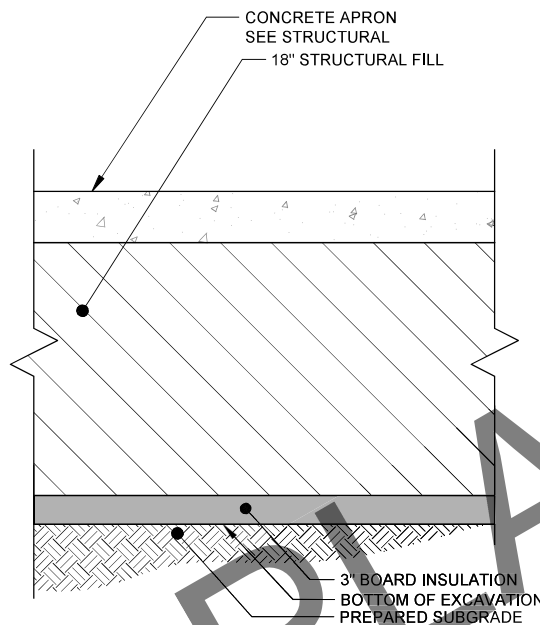
Designed By: DC  
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 Checked By: DP



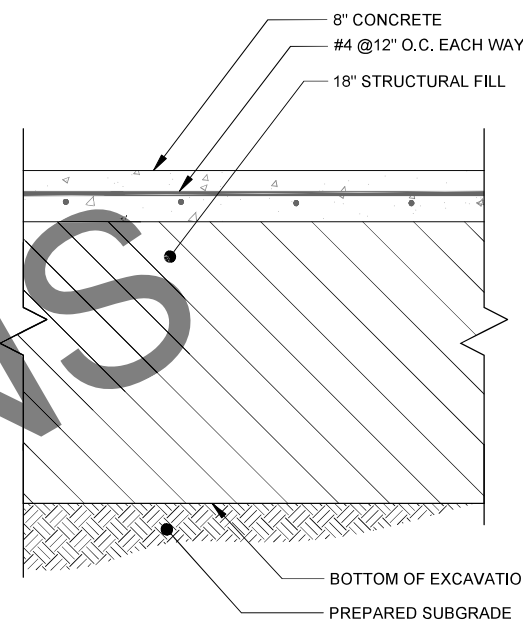
**1 ASPHALT PAVING TYPICAL SECTION**  
C8 SCALE: NTS



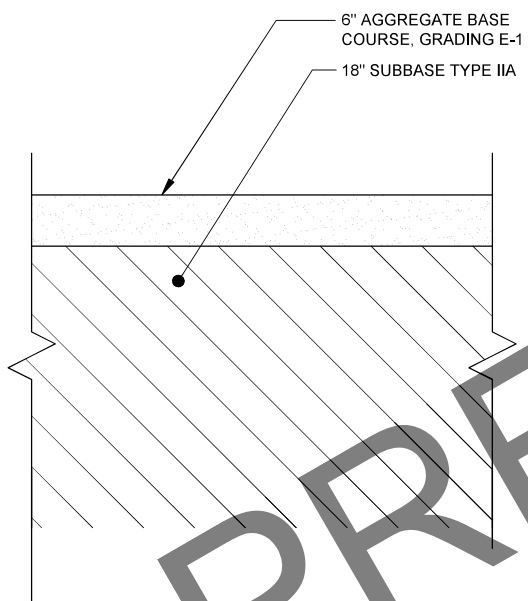
**2 HEATED CONC APRON TYPICAL SECTION**  
C8 SCALE: NTS



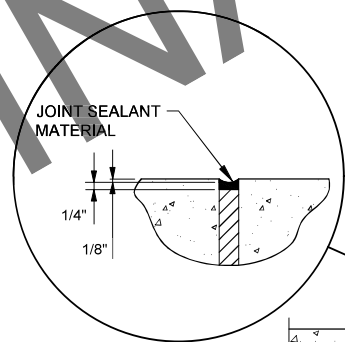
**3 UNHEATED CONC APRON TYPICAL SECTION**  
C8 SCALE: NTS



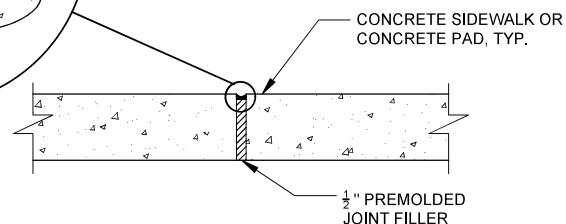
**4 CONCRETE PAD TYPICAL SECTION**  
C8 SCALE: NTS



**5 GRAVEL TRAFFIC AREA SECTION**  
C8 SCALE: NTS

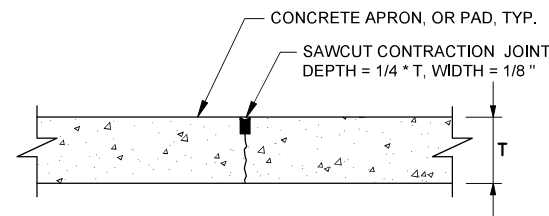


**EXPANSION JOINT NOTE:**  
 INSTALL EXPANSION JOINTS AT STRUCTURES ABUTTING CONCRETE, AROUND STRUCTURES THAT PROJECT THROUGH CONCRETE, AND AS SHOWN ON THE PLANS. INSTALL EXPANSION JOINTS NO GREATER THAN 50 FEET APART.  
 PROVIDE DOWELS AT CONCRETE APRONS. SEE STRUCTURAL.



**EXPANSION JOINT DETAILS**

**CONTRACTION JOINT NOTE:**  
 UNLESS OTHERWISE NOTED, CONTRACTION JOINTS SHALL OCCUR AT DISTANCES EQUAL TO THE WIDTH OF SIDEWALKS OR APRONS WITH EXPANSION JOINTS NO GREATER THAN 15 FEET APART.  
 PROVIDE DOWELS AT CONCRETE APRONS. SEE STRUCTURAL.



**CONTRACTION JOINT DETAILS**

**6 CONC JOINT DETAILS**  
C8 SCALE: NTS

PLANS DEVELOPED BY:  
 R&M CONSULTANTS, INC.  
 CERT. OF AUTH.: AECC111

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 CIVIL DETAILS

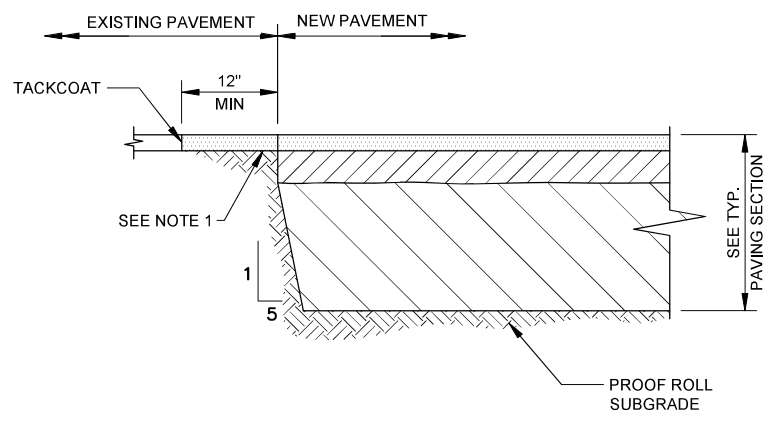
DATE: 3/5/2024  
 SHEET: C8 of C9  
 10 of XX



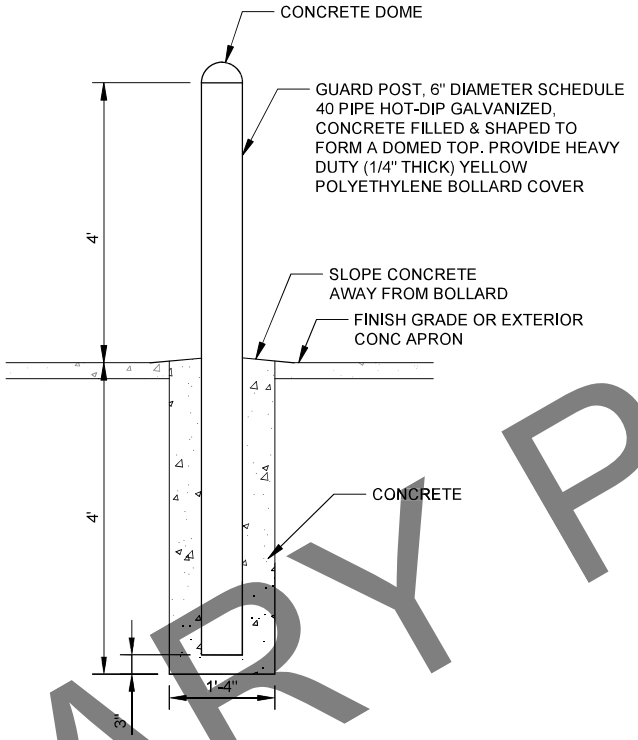
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 File Path & Name:  
 Designed By: DC  
 Drawn By: JB  
 Checked By: DP

R&M PROJECT NUMBER: 3020.01

**PAVEMENT TIE IN NOTE:**  
 AFTER NEW PAVED AREA BASE & SUBGRADE HAVE BEEN BACK FILLED AND COMPACTED, REMOVE A MINIMUM OF 12" OF EXISTING PAVEMENT TO ENSURE PLACEMENT OF NEW PAVEMENT OVERLAPS UNDISTURBED MATERIAL. THE CONTRACTING OFFICER MAY REQUIRE MORE THAN A 12" ADDITIONAL CUT IF THE EXISTING PAVEMENT HAS BEEN LIFTED IN THE REMOVAL PROCESS OR IF THE JOINT DOES NOT OCCUR ON UNDISTURBED MATERIAL. CUTS SHALL BE MADE WITH A SAW. COMPACT TOP 6" OF EXISTING MATERIAL PRIOR TO PLACING PAVEMENT.

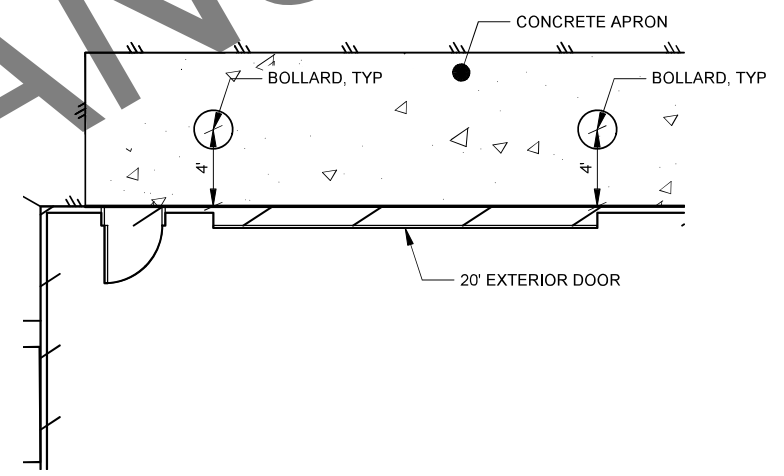


**1 PAVEMENT TIE IN DETAIL**  
 SCALE: NTS



**2 TYPICAL BOLLARD**  
 SCALE: NTS

**BOLLARD PLACEMENT NOTE:**  
 PLACE BOLLARDS 4 FT PERPENDICULAR TO DOOR JAMB AS SHOWN BELOW. PLACE BOLLARDS WITHIN CONCRETE APRON AT ALL EXTERIOR VFD OR ODH DOORS FOR THE SREB AND DMSB.



**3 BOLLARD PLACEMENT TYPICAL**  
 SCALE: NTS

PRELIMINARY PLANS

**95% FACILITY DESIGN**

PLANS DEVELOPED BY:  
 R&M CONSULTANTS, INC.  
 CERT. OF AUTH.: AECC111

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 CIVIL DETAILS

DATE: 3/5/2024  
 SHEET: C9 OF C9  
 11 OF XX

Date Reviewed: 3/5/2024 6:55:00 PM  
 Designer: Valdez  
 Drawn By: Valdez  
 Checked By: Citeckel  
 File Path & Name: \\EDC2\Projects\Bldg\Documents\Valdez-SREB-Bldg\Drawings\2019035-SREB-ASSEMBLIES-AND-CODE

MCG PROJECT NUMBER: 2019035

### CODE PLAN LEGEND

- SREB SNOW REMOVAL EQUIPMENT BUILDING
- # OCC. EXIT LOAD
- F.E. FIRE EXTINGUISHER, DRY CHEM 2-A-10 BC, LOCATION - BRACKET WALL MOUNTED, REF SPECIFICATIONS
- EXIT EXIT SIGN, REF ELECTRICAL
- S-1:# ROOM OCCUPANT (OCC.) LOAD  
S-1 = GARAGE FUNCTION: 1 OCC. PER 200 SF GROSS
- S-1:# S-1 = ACCESSORY MECHANICAL: 1 OCC. PER 300 SF GROSS
- 1 HOUR RATED ASSEMBLY

### CODE SUMMARY

**APPLICABLE CODE**  
 IBC 2021 AS AMENDED BY AK DEPARTMENT OF PUBLIC SAFETY

**BUILDING**  
 BUILDING AREA: 9,986 SF  
 BUILDING STORIES: 1 - WITH MEZZANINE  
 CONSTRUCTION TYPE: II-B (602.2)  
 OCCUPANCY GROUP: S-1, VEHICLE STORAGE (311.2)

**ALLOWABLE HEIGHTS AND AREA (IBC TABLE 503)**

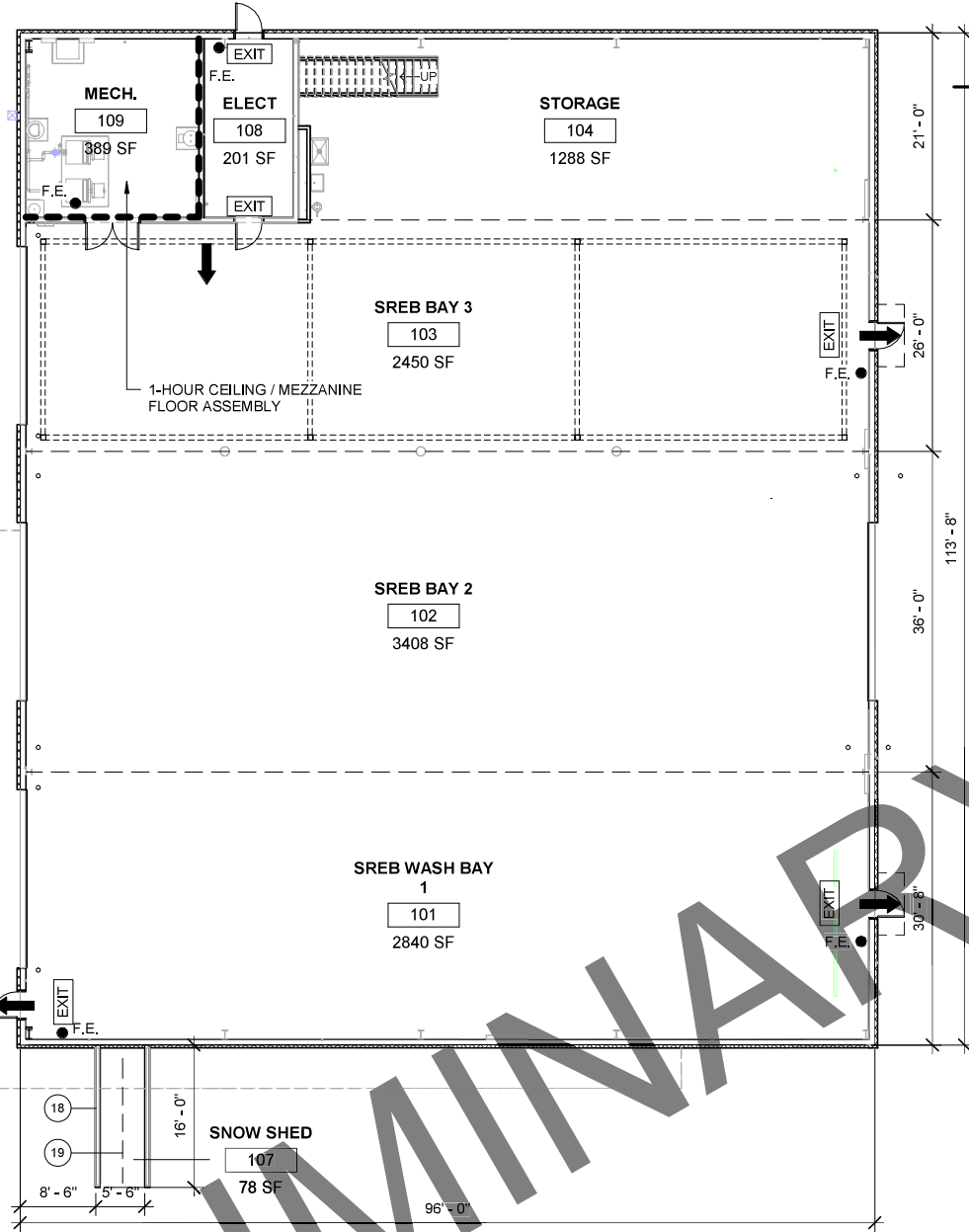
II-B / S-1	ALLOWABLE	DESIGNED
HEIGHT	55 FT	29'
STORIES	2	1
AREA	17,500 SF	9,986 SF

**OCCUPANT LOAD (IBC TABLE 1004.1.2)**  
 SEE PLANS AND LEGEND FOR OCCUPANT LOAD

SPRINKLER SYSTEM REQUIRED THROUGHOUT. (903.2.10.1) BUILDINGS USED FOR STORAGE OF COMMERCIAL MOTOR VEHICLES OVER 5000 SF THIS BUILDING IS WILL BE EQUIPPED WITH A SPRINKLER SYSTEM.

MECHANICAL ROOM 103 HAS EQUIPMENT THAT PRODUCE OVER 400,000 BTUs. PER TABLE 509 THIS ROOM SHALL BE 1 HOUR RATED, ALL PENETRATIONS SHALL BE FIRE SEALED.

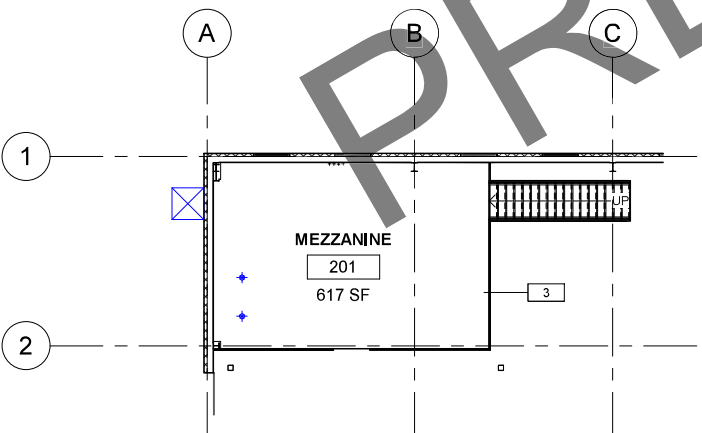
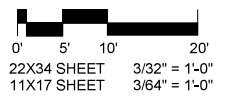
PORTABLE FIRE EXTINGUISHERS (IBC SECTION 906)  
 THIS BUILDING IS EQUIPPED WITH PORTABLE FIRE EXTINGUISHERS. MAXIMUM TRAVEL DISTANCE (IBC TABLE 906.1) 75 FT



1 CODE PLAN - SREB - LEVEL 1

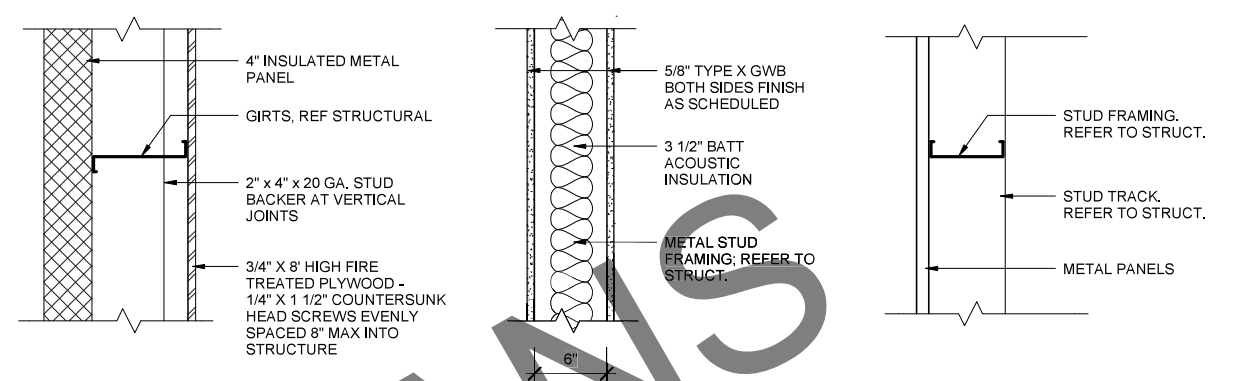
### SHEET NOTES

- 18 SNOW SHED STRUCTURE TO PROTECT FENCE/GATE
- 19 FENCE/GATE

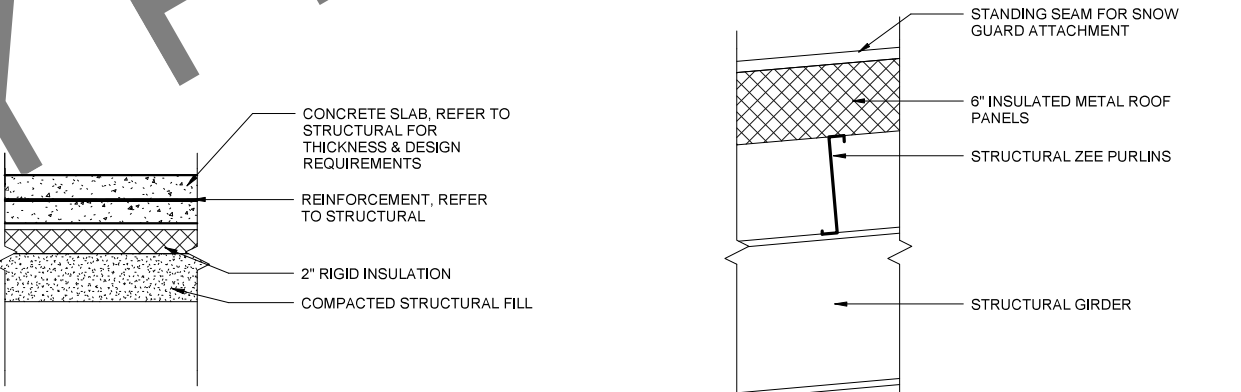


2 CODE PLAN - MEZZANINE

### VERTICAL ASSEMBLY TYPES



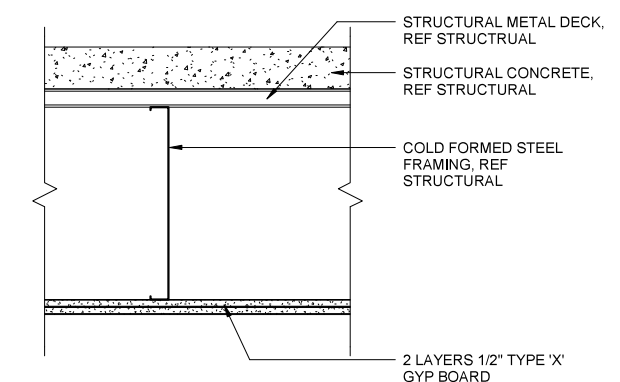
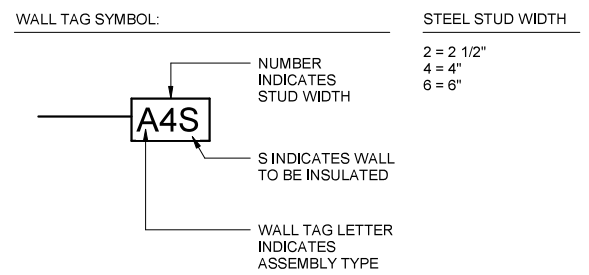
### HORIZONTAL ASSEMBLY TYPES



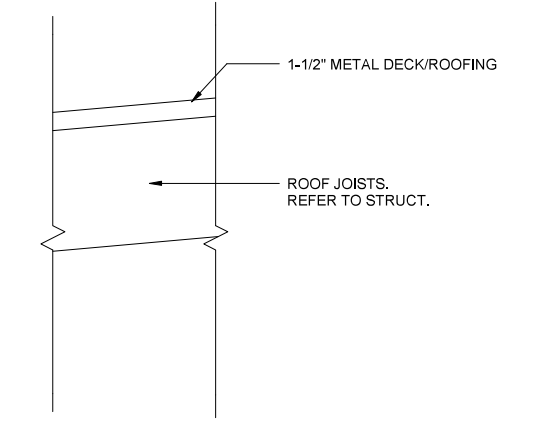
1 FLOOR ASSEMBLY

2 ROOF ASSEMBLY

### ASSEMBLY LEGEND



3 FLOOR ASSEMBLY - MEZZANINE



4 SNOW SHED ROOF ASSEMBLY

95% FACILITY DESIGN

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB ASSEMBLIES AND CODE

DATE: 03/05/2024  
 SHEET: A1 OF XX

DOCUMENTATION BY:  
 MCG EXPLORE DESIGN  
 CERT OF AUTH: AEC0218

Date Reviewed: 3/5/2024 7:01:51 PM  
 Designer: DMSB ASSEMBLIES AND CODE  
 Drawn By: Y-120212021035 - Valdez SREB and SSB/IM/Valdez DMSB.rvt  
 Checked By:

MCG PROJECT NUMBER: 2019035

### CODE PLAN LEGEND

- DMSB DEICING MATERIALS STORAGE BUILDING
- # OCC. EXIT LOAD
- F.E. FIRE EXTINGUISHER, DRY CHEM 2-A-10 BC. LOCATION - BRACKET WALL MOUNTED, REF SPECIFICATIONS
- EXIT EXIT SIGN, REF ELECTRICAL
- S-1:# ROOM OCCUPANT (OCC.) LOAD  
S-1 = STORAGE FUNCTION: 1 OCC. PER 300 SF GROSS
- 1 HOUR RATED ASSEMBLY

### CODE SUMMARY

APPLICABLE CODE  
IBC 2021 AS AMENDED BY AK DEPARTMENT OF PUBLIC SAFETY

BUILDING  
 BUILDING AREA: 2,289 SF  
 BUILDING STORIES: 1  
 CONSTRUCTION TYPE: II-B (602.2)  
 OCCUPANCY GROUP: S-1 (311.2)

STORAGE WITH LESS THAN ALLOWABLE QUANTITIES OR HAZARDOUS MATERIALS PER TABLE 307.1(1)

ALLOWABLE HEIGHTS AND AREA (IBC TABLE 503)		
II-B / S-1	ALLOWABLE	DESIGNED
HEIGHT	55 FT	27'
STORIES	2	1
AREA	17,500 SF	2,575 SF

OCCUPANT LOAD (IBC TABLE 1004.1.2)  
SEE PLANS AND LEGEND FOR OCCUPANT LOAD

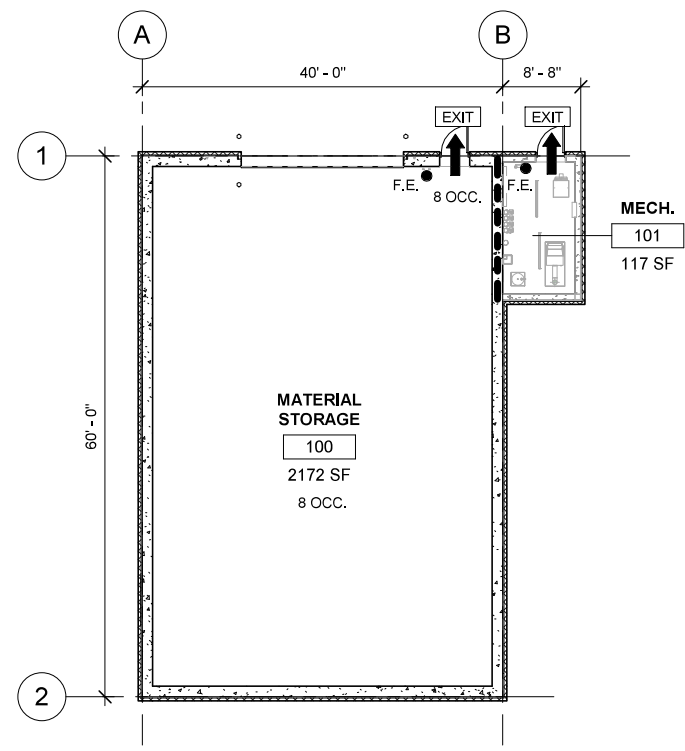
THIS BUILDING WILL NOT BE EQUIPPED WITH A SPRINKLER SYSTEM.

PORTABLE FIRE EXTINGUISHERS (IBC SECTION 906)  
THIS BUILDING IS EQUIPPED WITH PORTABLE FIRE EXTINGUISHERS. MAXIMUM TRAVEL DISTANCE (IBC TABLE 906.1) 75 FT

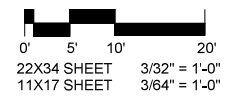
INCIDENTAL USE (TABLE 509)  
MECHANICAL ROOM HAS EQUIPMENT OVER 400,000 BTU; BUILDING NOT EQUIPPED WITH AUTOMATIC SPRINKLER SYSTEM. 1 HOUR SEPARATION OF SPACE IS REQUIRED (IBC SECTION 509). REFER TO PLAN 1/A1

DOOR WIDTH MEETS OCCUPANT LOAD, NO EMERGENCY EGRESS REQUIRED.

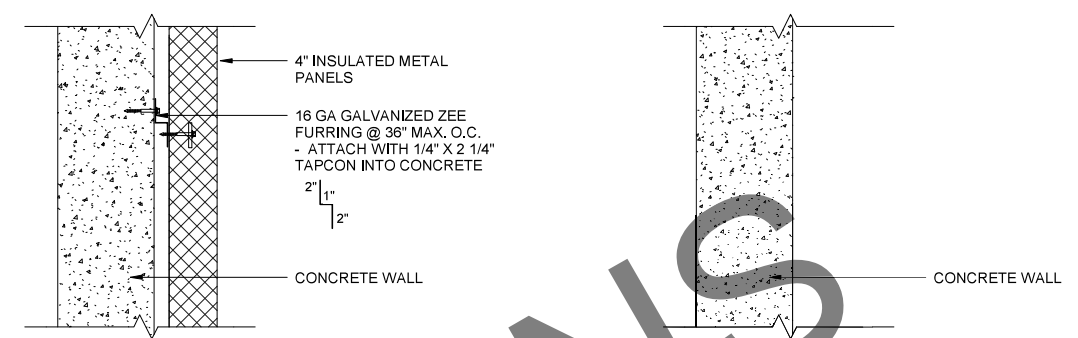
(TEMPORARY - SUBJECT TO CHANGE)



1 CODE PLAN - LEVEL 1



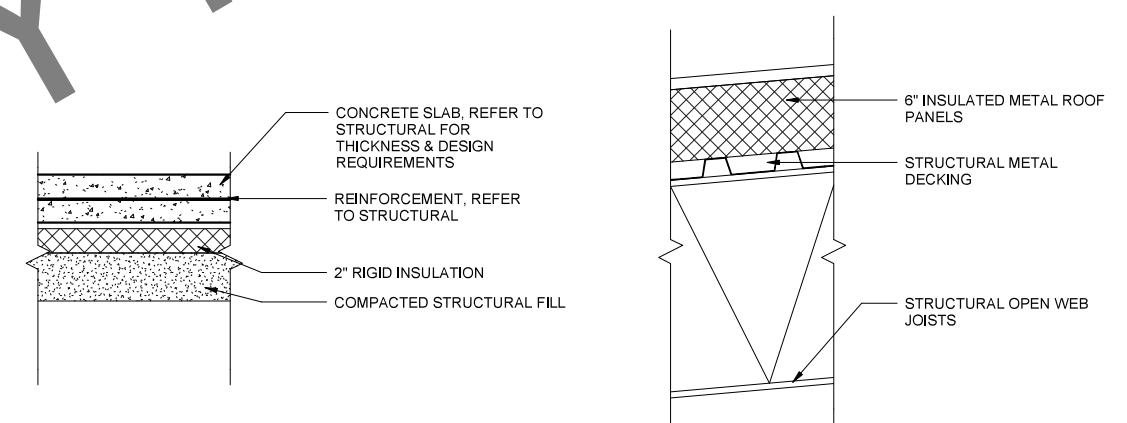
### VERTICAL ASSEMBLY TYPES



A EXTERIOR WALL  
 A8 = 8" CONCRETE WALL  
 A14 = 14" CONCRETE WALL

B INTERIOR WALL  
 1-HOUR IBC TABLE 721.1(2), ITEM 4-1.1

### HORIZONTAL ASSEMBLY TYPES (SECTION VIEW)



1 FLOOR ASSEMBLY

2 ROOF ASSEMBLY  
 INSULATED METAL

PRELIMINARY PLANS

95% FACILITY DESIGN

	<b>STATE OF ALASKA</b> <b>DEPARTMENT OF TRANSPORTATION</b> <b>AND PUBLIC FACILITIES</b> <b>STATEWIDE PUBLIC FACILITIES</b>	<b>VALDEZ AIRPORT</b> VALDEZ SNOW REMOVAL EQUIPMENT BUILDING & DEICING MATERIAL STORAGE BUILDING PROJECT No. Z618600000 AIP No. 3-02-0311-XXX-2024 DMSB ASSEMBLIES AND CODE	DATE: 03/05/2024 SHEET: A2 OF XX												
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BY	DATE	REVISION													

### CODE PLAN LEGEND

- EEB GENERATOR ELECTRICAL EQUIPMENT BUILDING
- # OCC. EXIT LOAD
- F.E. FIRE EXTINGUISHER, DRY CHEM 2-A-10 BC, LOCATION - BRACKET WALL MOUNTED, REF SPECIFICATIONS
- EXIT EXIT SIGN, REF ELECTRICAL
- F-1# ROOM OCCUPANT (OCC.) LOAD MECHANICAL EQUIPMENT 1 OCC. PER 300 SF GROSS
- 1 HOUR RATED ASSEMBLY

### CODE SUMMARY

APPLICABLE CODES  
IBC 2021 AS AMENDED BY AK DEPARTMENT OF PUBLIC SAFETY

BUILDING  
BUILDING AREA: 500 SF  
BUILDING STORIES: 1  
CONSTRUCTION TYPE: VB (602.5)  
OCCUPANCY GROUP: F-1, ELECTRICAL GENERATOR (306.2)

ALLOWABLE HEIGHTS AND AREA (IBC TABLE 503)

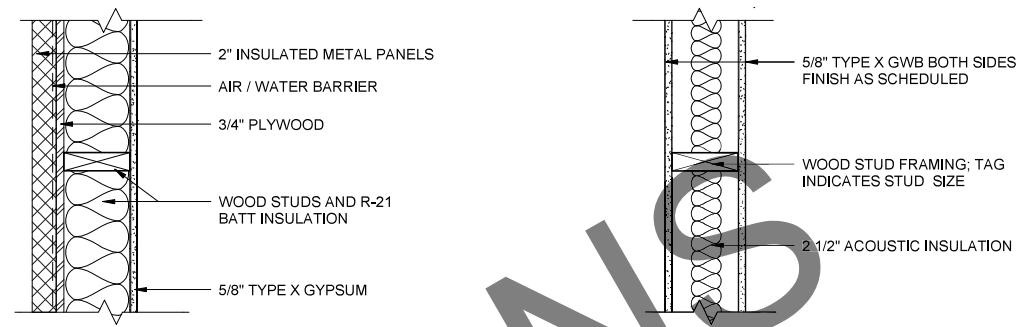
VB	ALLOWABLE	DESIGNED
HEIGHT	40 FT	13'
STORIES	1	1
AREA	5,500 SF	500 SF

OCCUPANT LOAD (IBC TABLE 1004.5)  
SEE PLANS AND LEGEND FOR OCCUPANT LOAD

THIS BUILDING WILL NOT BE EQUIPPED WITH A SPRINKLER SYSTEM.

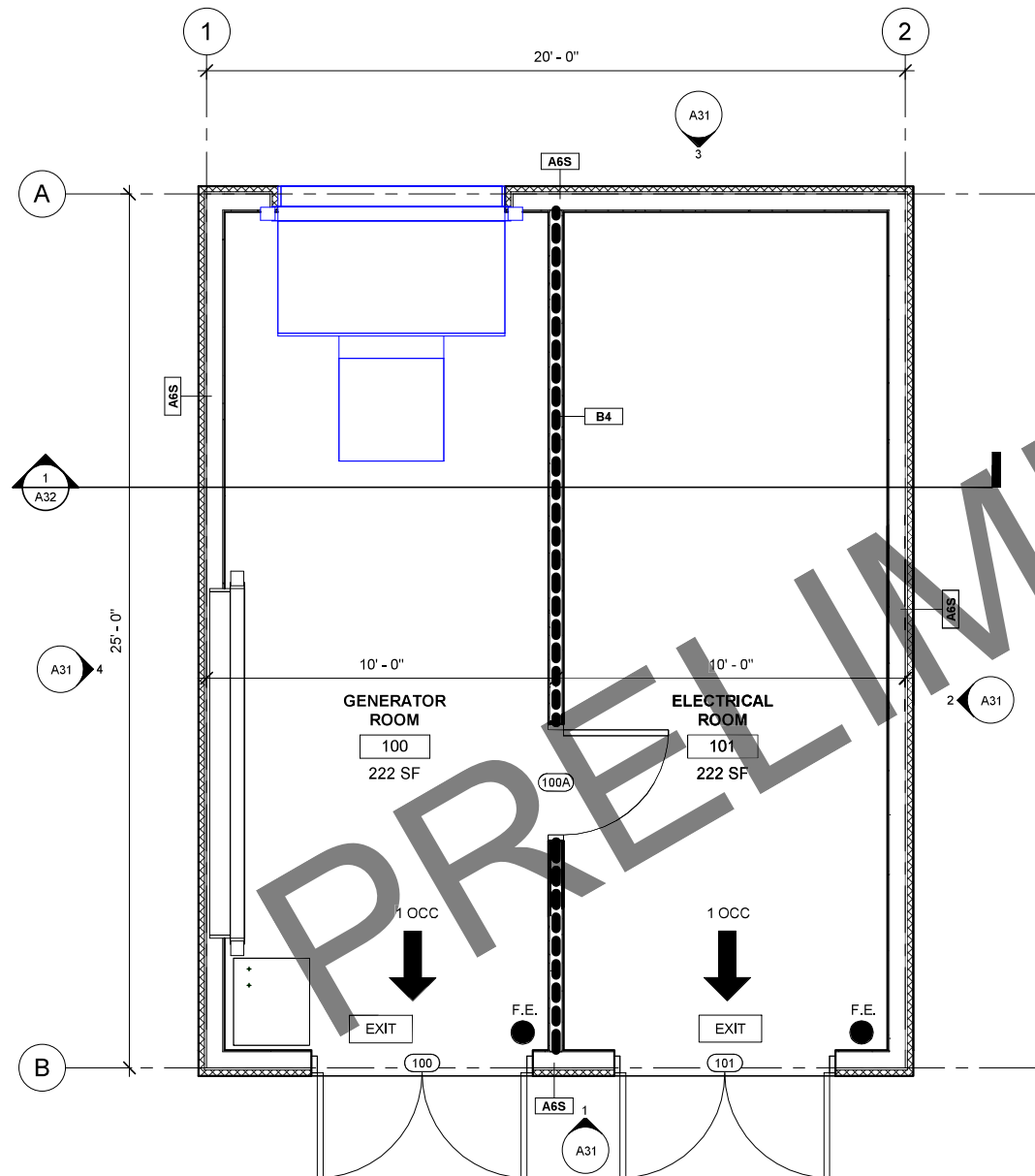
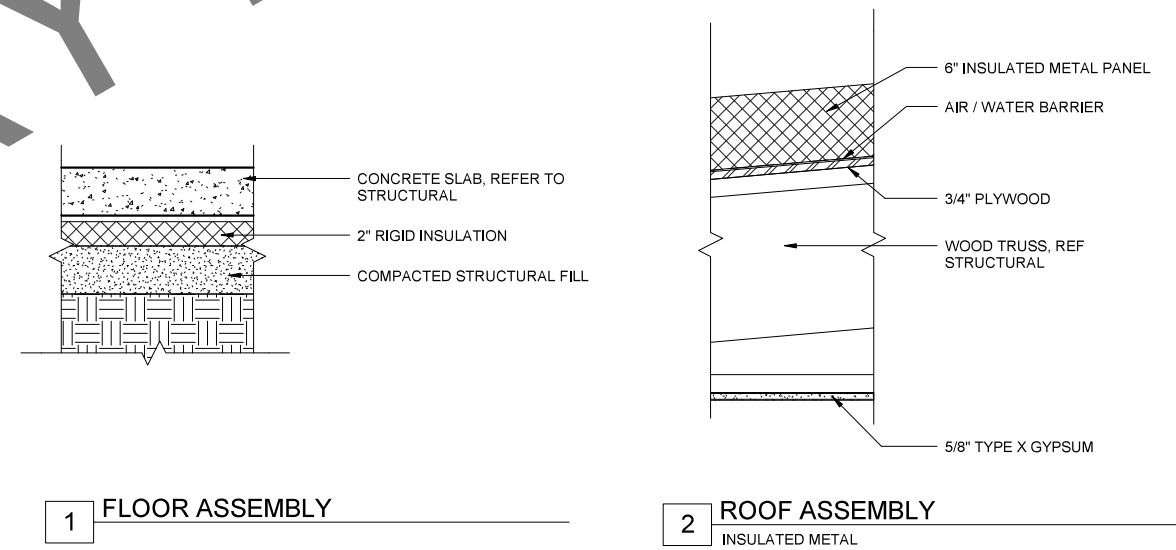
PORTABLE FIRE EXTINGUISHERS (IBC SECTION 906)  
THIS BUILDING IS EQUIPPED WITH PORTABLE FIRE EXTINGUISHERS.  
MAXIMUM TRAVEL DISTANCE (IBC TABLE 906.1) 75 FT

### VERTICAL ASSEMBLY TYPES

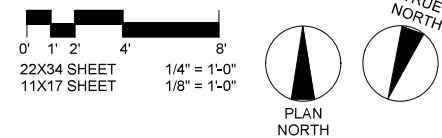


**A EXTERIOR WALL**      **B INTERIOR PARTITION**  
1-HOUR RATED ASSEMBLY, UL-U305

### HORIZONTAL ASSEMBLY TYPES (SECTION VIEW)



**1 FLOOR PLAN AND CODE PLAN**  
A3 3/8" = 1'-0"



DOCUMENTATION BY:  
MCG EXPLORE DESIGN  
CERT OF AUTH: AEC0218

95% FACILITY DESIGN

BY	DATE	REVISION

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
STATEWIDE PUBLIC FACILITIES

VALDEZ AIRPORT  
VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
& DEICING MATERIAL STORAGE BUILDING  
PROJECT No. Z618600000  
AIP No. 3-02-0311-XXX-2024  
GEEB FLOOR PLAN, CODE SUMMARY, AND ASSEMBLIES

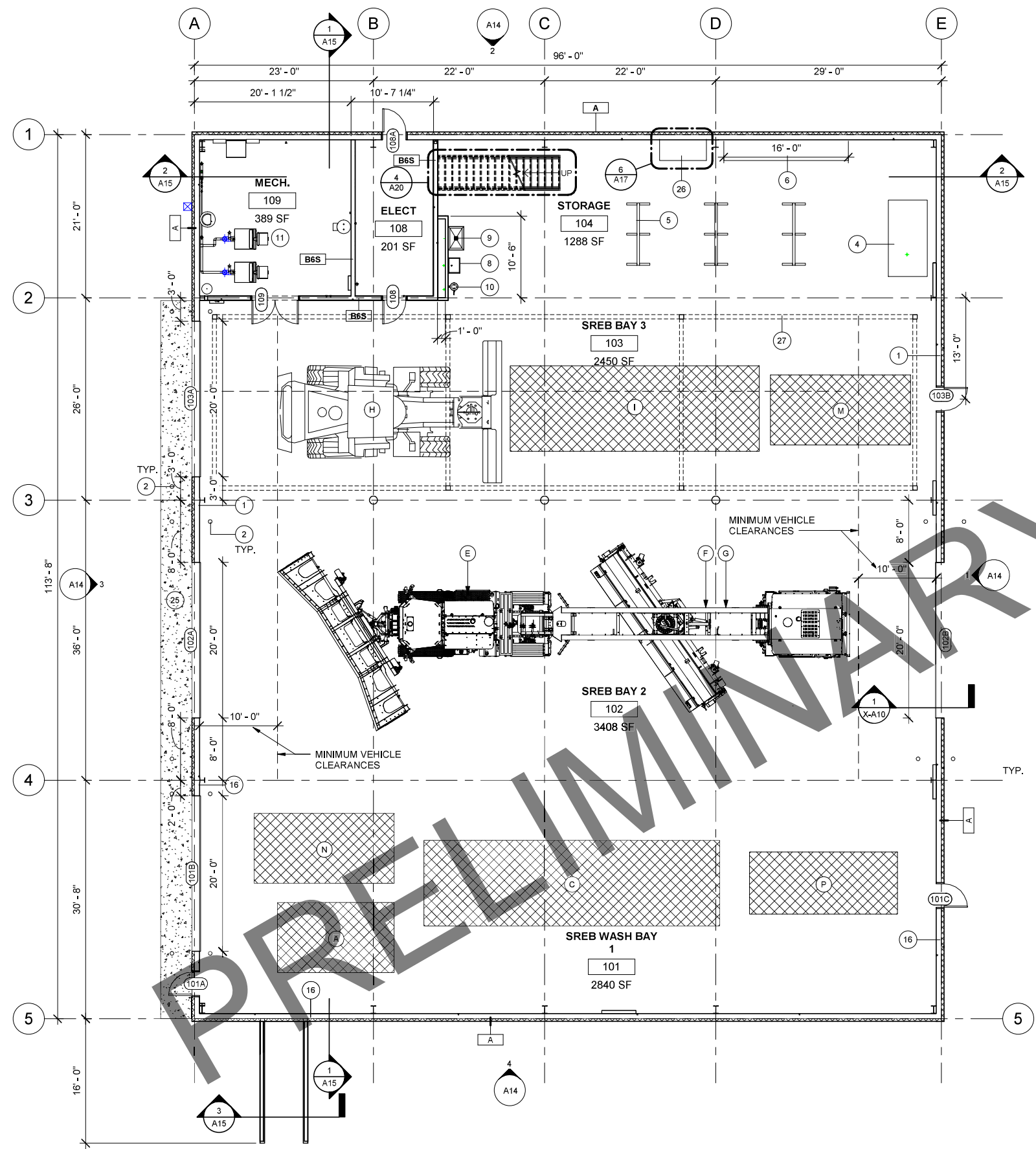
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SHEET: A3 OF XX

Date Reviewed: 3/5/2024 7:05:46 PM  
 Designer: GEEB FLOOR PLAN, CODE SUMMARY, AND ASSEMBLIES  
 Drawn By: Y-120212021035 - Valdez SREB and SBB/IM/Valdez EEB Building.rvt  
 Checked By:

MCG PROJECT NUMBER: 2019035

Date Reviewed: 3/5/2024 6:55:00 PM  
 Designer: [Redacted]  
 Drawn By: [Redacted]  
 Checked By: [Redacted]

MCG PROJECT NUMBER: 2019035



**SHEET NOTES**

- 1 8' FIRE TREATED PLYWOOD WAINSCOT
- 2 BOLLARD, REF STRUCTURAL
- 4 OIL WATER SEPARATOR
- 5 STORAGE RACKS
- 6 SHELVING AND CABINETS
- 8 HAND WASH SINK, SOAP DISPENSER AND PAPER TOWEL DISPENSER, REF MECHANICAL
- 9 JANITORIAL SINK, REF MECHANICAL
- 10 EYE WASH, REF MECHANICAL
- 11 FIRE RATED ROOM
- 16 FRP OVER 3/4" "MARINE GRADE" PLYWOOD UP TO 12' AT WASHBAY
- 25 CONCRETE HEATED APRON
- 26 WORK BENCH
- 27 6-TON BRIDGE CRANE

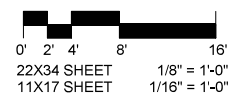
**FLOOR PLAN LEGEND**

- (1) SHEET NOTES CALLOUT
- Room name 101 ROOM TAG
- XXX WALL TAG - REFER TO VERTICAL ASSEMBLIES ON SHEET A1
- WALL
- DOOR AND TAG 101
- WINDOW, REF ELEVATIONS
- EQUIPMENT, REF TAGS FOR DESCRIPTION NOT IN CONTRACT (NIC)

**EQUIPMENT LIST - NIC**

- (FOR REFERENCE ONLY - EQUIPMENT IS NOT IN CONTRACT)
- (A) TRITON TRAILER/CARGO, 15'L X 9'W
  - (B) FORD CREW CAB 4X4 3/4 TON, 21'L X 9'W (NOT SHOWN IF NOT IN BUILDING)
  - (C) OKH PLOW/SAND TRUCK 4X4, 38'L X 11'W
  - (D) CASE 1020 LOADER, 26'L X 10'W (NOT SHOWN IF NOT IN BUILDING)
  - (E) MB PLOW TRUCK, 25'L, X12'W
  - (F) MB BROOM TRAILER, 38'L X 9'W
  - (G) MB PUSH BROOM 7618MP, 12'L X 20'W
  - (H) OSHKOSH BLOWER, 35'L X 9'W
  - (I) CRASH TRAILER / FRR TRAVEL TRAILER, 32'L X 11'W
  - (J) ROSENBAUER ARFF TRUCK, 40'L X 11'W (NOT SHOWN IF NOT IN BUILDING)
  - (K) CHEVY PICK-UP 4X4, 20'L X 8'W (NOT SHOWN IF NOT IN BUILDING)
  - (L) CAT 160M3 GRADER, 35'L X 12'W (NOT SHOWN IF NOT IN BUILDING)
  - (M) JOHN DEERE TRACTOR, 19'L X 8'W
  - (N) JOHN DEERE MOWER TRIPLE DECK, 18'L X 9'W
  - (O) ALLMAND LIGHT PLANT, 14'L X 5'W (NOT SHOWN IF NOT IN BUILDING)
  - (P) PASSENGER RAMP, 19'L X 8'W

**1 FLOOR PLAN - LEVEL 1 - AREA A**  
1/8" = 1'-0"



DOCUMENTATION BY:  
 MCG EXPLORE DESIGN  
 CERT OF AUTH: AECC218

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB FLOOR PLAN - LEVEL 1

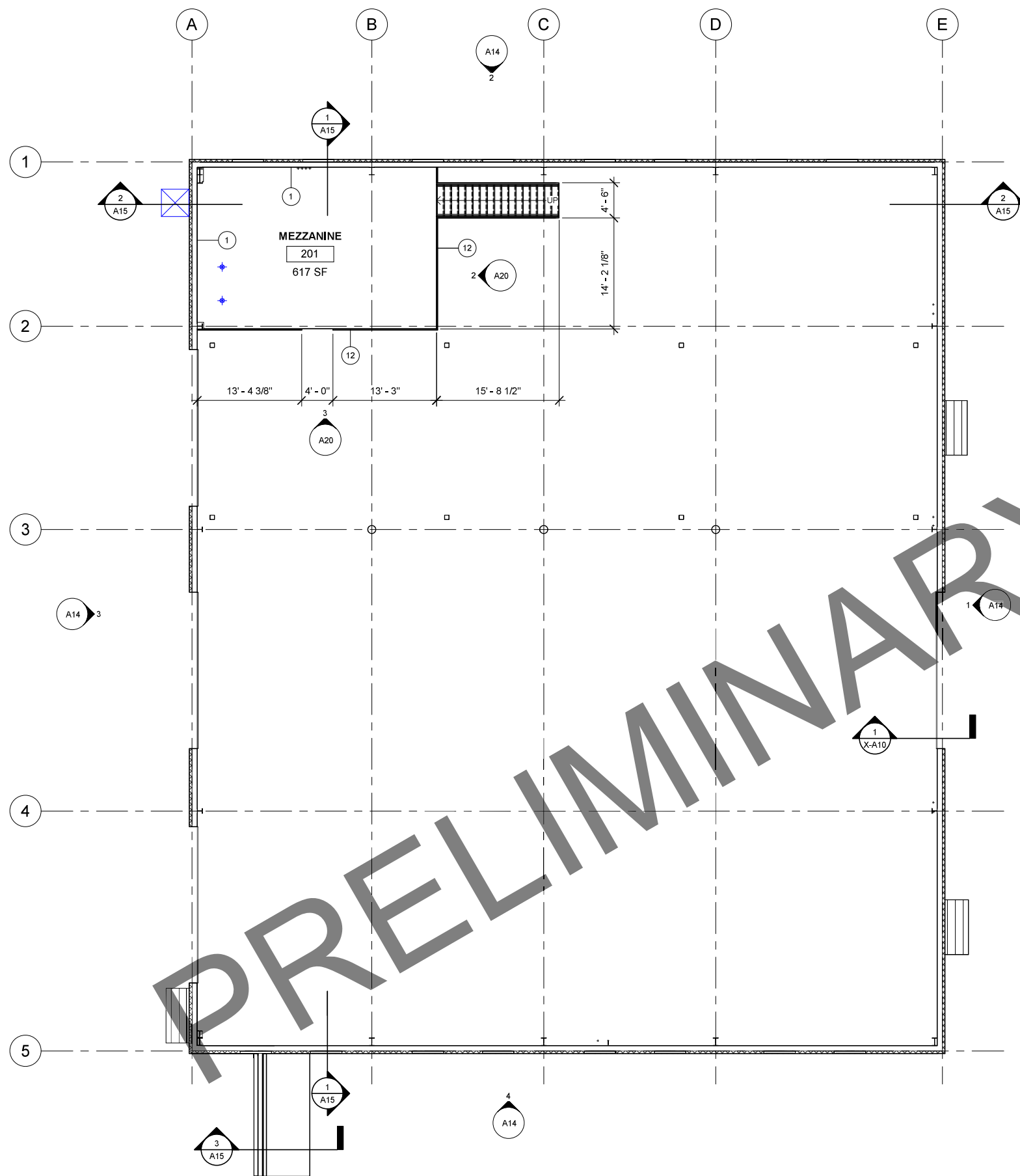
DATE: 03/05/2024  
 SHEET: A11 of XX  
 XX of XX

**95% FACILITY DESIGN**



Date Revised: 3/5/2024 6:55:00 PM  
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 File Path & Name: \\ED-DC2\profiles\tonalson\Documents\Valdez-SREB-Drawings\GXXK.rvt  
 Designed By: Auditor  
 Drawn By: Checker  
 Checked By:

MCG PROJECT NUMBER: 2019035



**SHEET NOTES**

- 1 8' FIRE TREATED PLYWOOD WAINSCOT
- 12 GUARDRAIL

**FLOOR PLAN LEGEND**

- ① SHEET NOTES CALLOUT
- Room name ROOM TAG
- 101
- XXX WALL TAG - REFER TO VERTICAL ASSEMBLIES ON SHEET A1
- WALL
- DOOR AND TAG
- 101
- WINDOW, REF ELEVATIONS
- EQUIPMENT, REF TAGS FOR DESCRIPTION NOT IN CONTRACT (NIC)

PRELIMINARY PLANS

**1 FLOOR PLAN - MEZZANINE**  
 A12 1/8" = 1'-0"

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 MCG EXPLORE DESIGN  
 CERT OF AUTH: AECC218

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

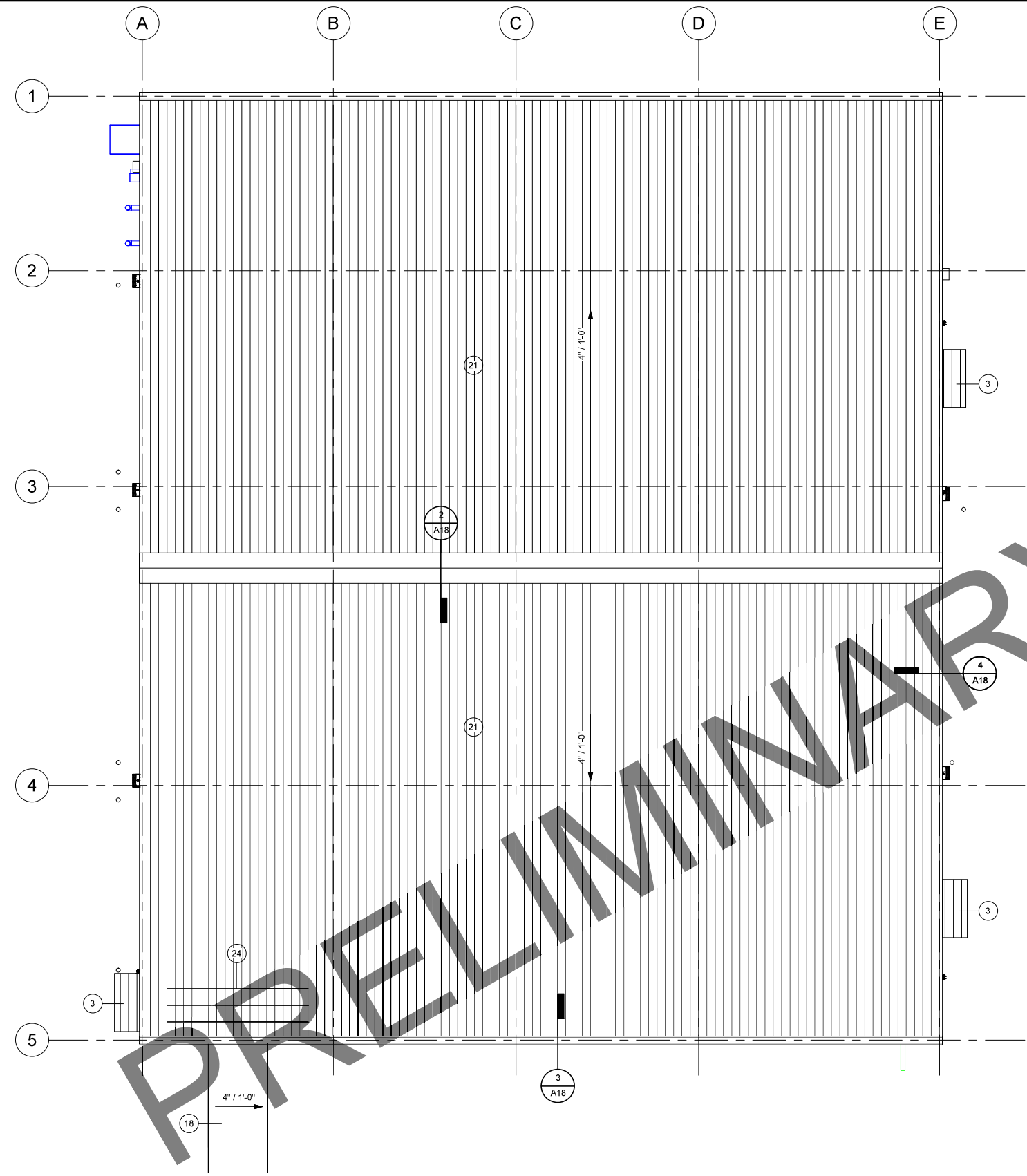
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB MEZZANINE PLAN

DATE: 03/05/2024  
 SHEET: A12 OF XX

**95% FACILITY DESIGN**

Date Reviewed: 3/5/2024 6:55:00 PM  
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MCG PROJECT NUMBER: 2019035



**SHEET NOTES**

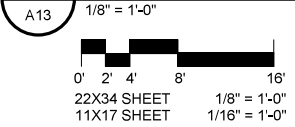
- 3 CANOPY
- 18 SNOW SHED STRUCTURE TO PROTECT FENCE/GATE
- 21 6" INSULATED METAL ROOF PANELS
- 24 SNOW GUARDS

**ROOF PLAN LEGEND**

- SHEET NOTES CALLOUT
- INSULATED METAL ROOF PANELS
- ROOF PIPE PENETRATION

PRELIMINARY PLANS

**1 ROOF PLAN - AREA A**



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**STATE OF ALASKA**  
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 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB ROOF PLAN

DATE: 03/05/2024  
 SHEET: A13 of XX  
 26 of 70

Date Reviewed: 3/5/2024 6:55:01 PM  
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 Designer: [Redacted]  
 Author: [Redacted]  
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MCG PROJECT NUMBER: 2019035

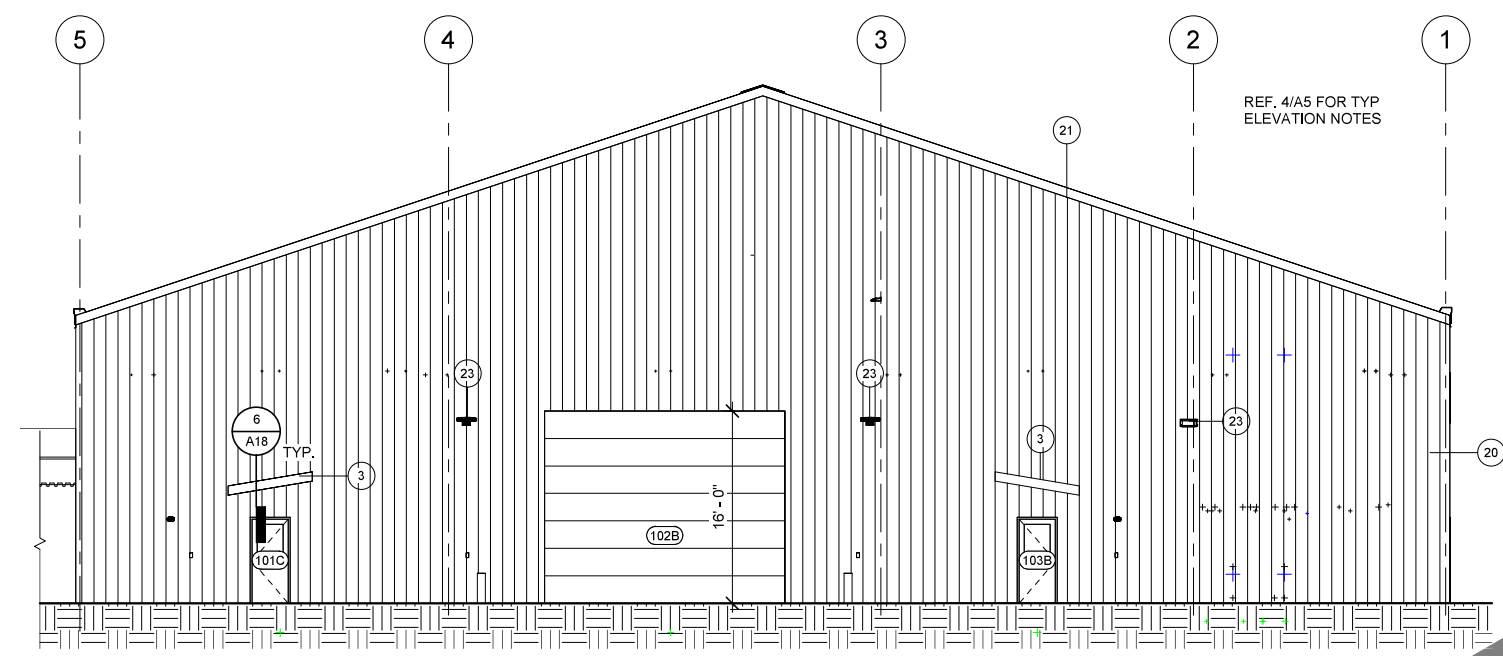
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 MCG EXPLORE DESIGN  
 CERT OF AUTH: AECC218

### SHEET NOTES PLAN LEGEND

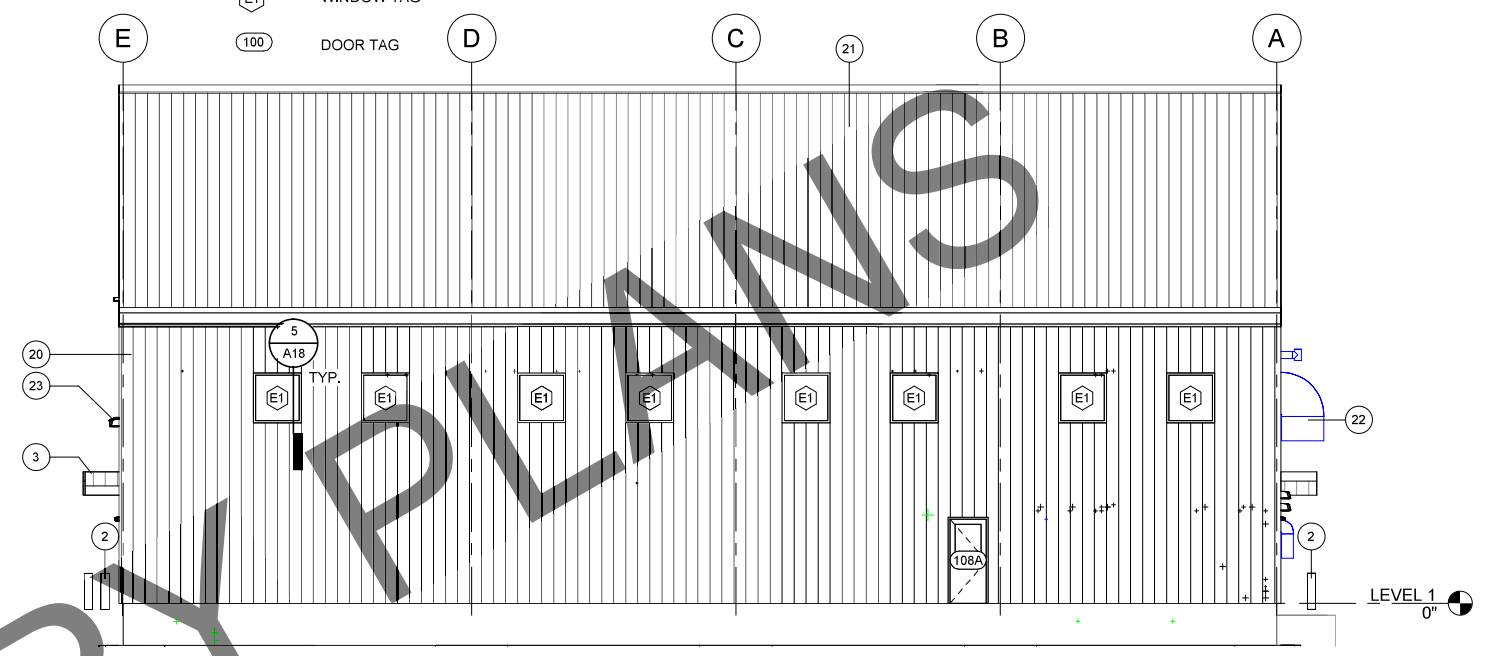
- NOTE: ELEVATIONS BASED ON "PLAN NORTH" PER SHEET A3
- ① SHEET NOTES CALLOUT
  - Ⓔ WINDOW TAG
  - ⑩ DOOR TAG

### SHEET NOTES

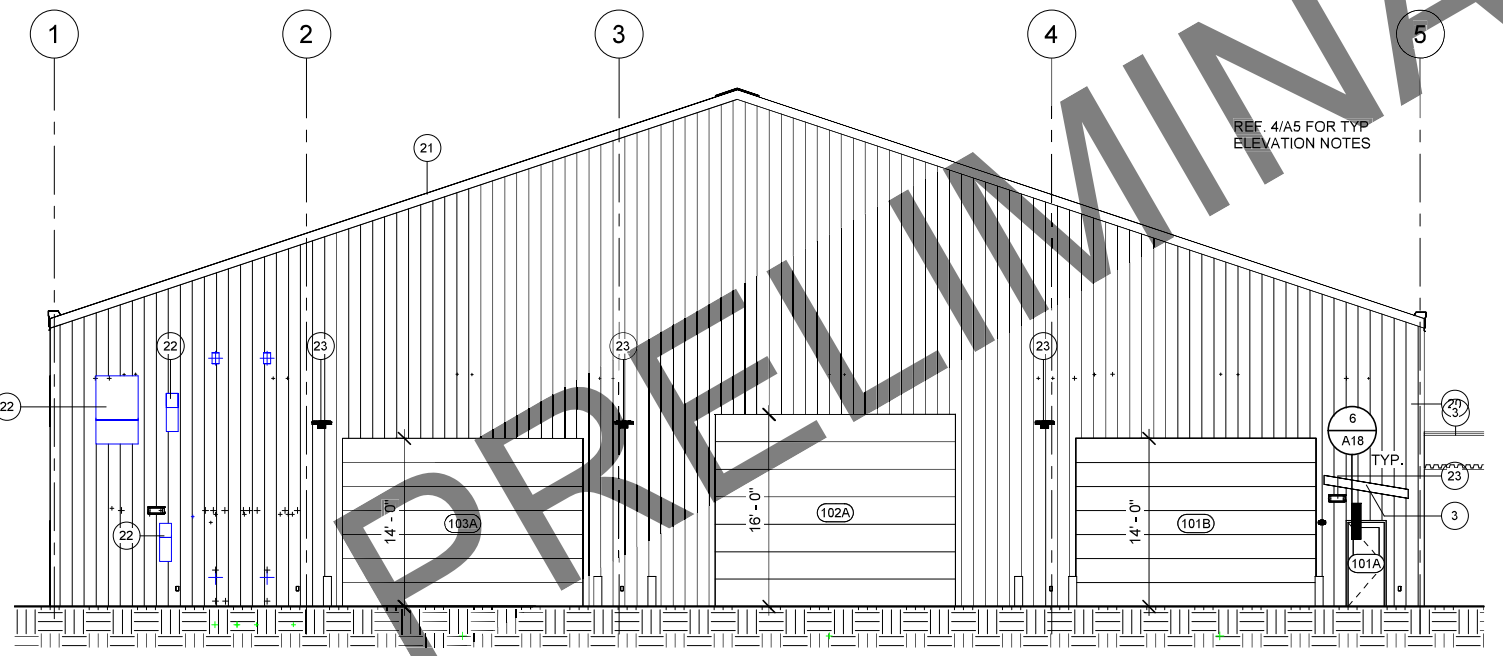
- 2 BOLLARD, REF STRUCTURAL
- 3 CANOPY
- 20 4" INSULATED METAL WALL PANELS
- 21 6" INSULATED METAL ROOF PANELS
- 22 MECHANICAL PENETRATION, REF MECHANICAL
- 23 LIGHT FIXTURE, REF ELECTRICAL



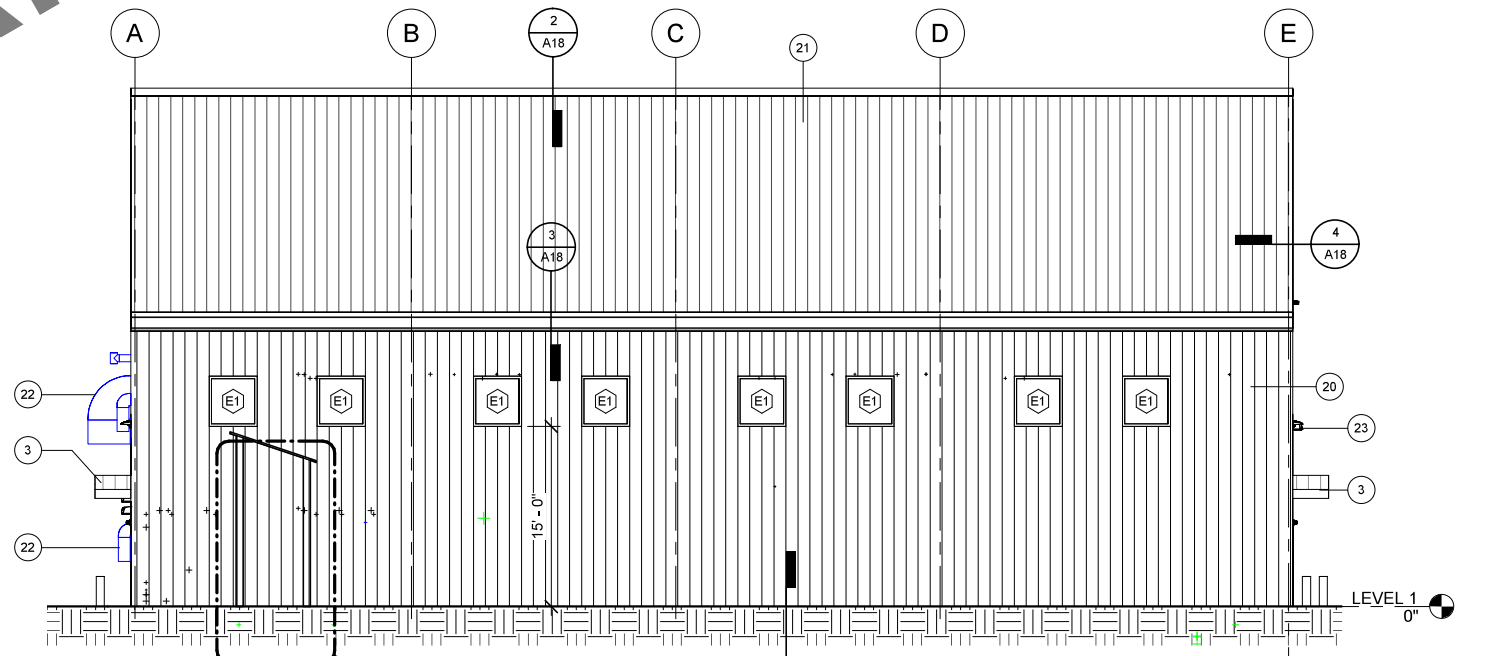
**1 ELEVATION 1**  
 A14 1/8" = 1'-0"



**2 ELEVATION 2**  
 A14 1/8" = 1'-0"



**3 ELEVATION 3**  
 A14 1/8" = 1'-0"



**4 SOUTH ELEVATION**  
 A14 1/8" = 1'-0"

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BY	DATE	REVISION

**STATE OF ALASKA**  
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**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

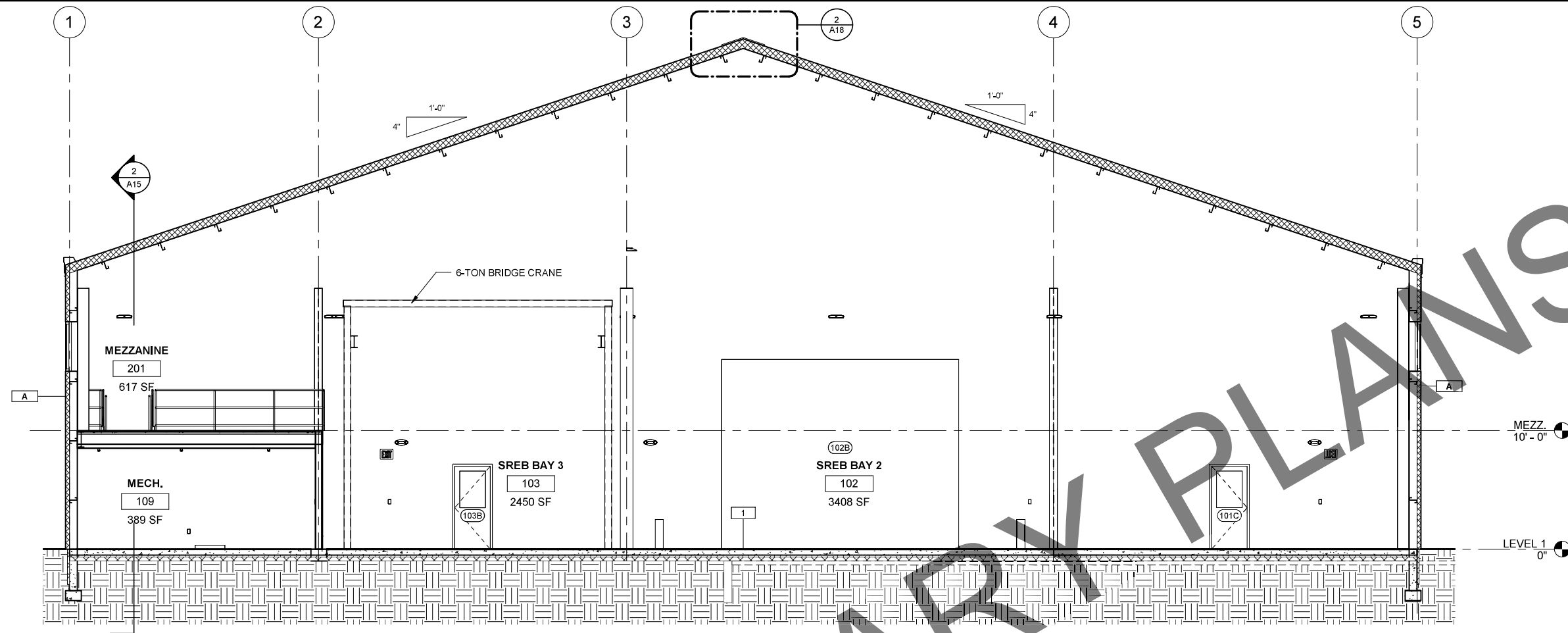
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB BUILDING ELEVATIONS

DATE: 03/05/2024  
 SHEET: A14 of XX  
 27 of 70

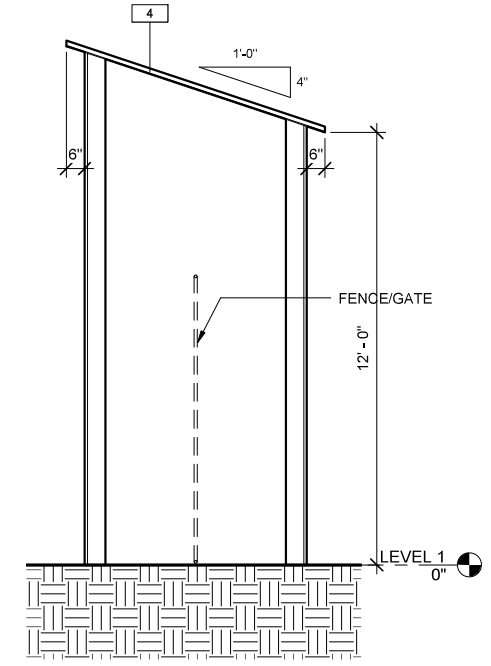
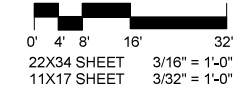


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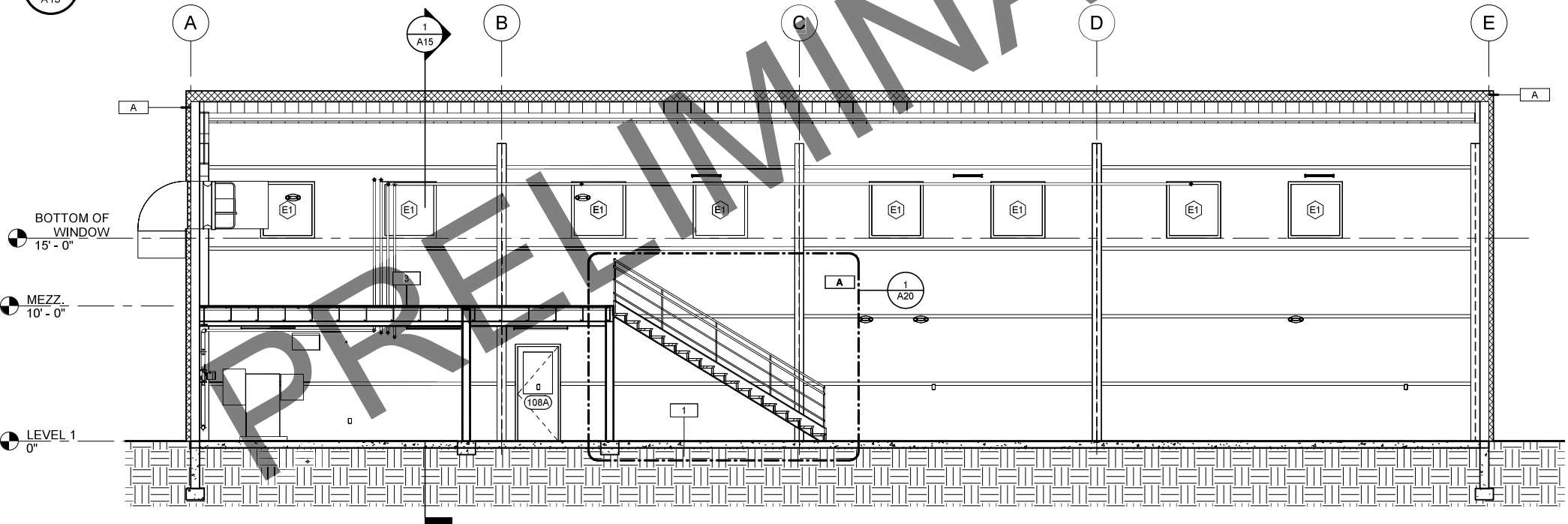
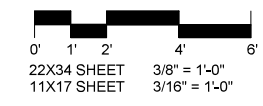
MCG PROJECT NUMBER: 2019035



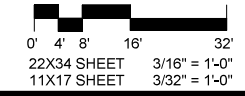
**1 BUILDING CROSS SECTION**  
A15 3/16" = 1'-0"



**3 SNOW SHED SECTION**  
A15 3/8" = 1'-0"



**2 BUILDING LONG. SECTION**  
A15 3/16" = 1'-0"



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 CERT OF AUTH: AEC218

BY	DATE	REVISION

**STATE OF ALASKA**  
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**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB BUILDING SECTIONS

DATE:  
 03/05/2024  
 SHEET:  
 A15 OF XX  
 28 of 70

Date Reviewed: 3/5/2024 6:55:01 PM  
 Designer: SREB SCHEDULES  
 Drawn By: SREB SCHEDULES  
 Checked By: SREB SCHEDULES  
 File Path & Name: \\EDC2\Profiles\Bonalson\Documents\Valdez.SREB\_bndisonGXVK.vt

MCG PROJECT NUMBER: 2019035

### ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR		WALLS				CEILING
		FINISH	BASE	NORTH	EAST	SOUTH	WEST	
101	SREB WASH BAY 1	CONC. / DS	S	-	PYW / FRP	PYW / FRP	PYW / FRP	EXP
102	SREB BAY 2	CONC. / DS	RB	-	PYW / PT1	-	PYW / PT1	EXP
103	SREB BAY 3	CONC. / DS	RB	GWB / PT1	PYW / PT1	-	PYW / PT1	EXP
104	STORAGE	CONC. / DS	RB	PYW / PT1	PYW / PT1	-	GWB / PT1	EXP
107	SNOW SHED	-	-	IMP	IMP	-	IMP	EXP
108	ELECT	CONC. / DS	RB	IMP	IMP	GWB / PT1	GWB / PT1	GWB / PT1
109	MECH.	CONC. / DS	RB	IMP	GWB / PT1	GWB / PT1	GWB / PT1	GWB / PT1
201	MEZZANINE	CONC. / DS	-	IMP	-	-	IMP	EXP

### FINISH SCHEDULE NOTES

- 8" HIGH FIRE TREATED A-C PLYWOOD WAINSCOT WALL PER ASSEMBLY A ON SHEET A1.
- 8" HIGH FIRE TREATED A-C PLYWOOD WAINSCOT WALL OVER GWB. 1/4" X 1 1/2" COUNTERSUNK HEAD SCREWS EVENLY SPACED THROUGH GWB INTO SOLID BACKING 12" O.C.
- INTERIOR OF EXPOSED INSULATED PANELS AND STRUCTURE REMAIN FACTORY FINISHED - TOUCH-UP PAINT ANY ABRASIONS.
- NO FIELD PAINT ON INTERIOR STRUCTURAL FRAMING.
- NO PAINT ON ELECTRICAL AND MECHANICAL RACEWAYS, PIPES AND DUCTS.
- FIELD PAINT EXPOSED

### FINISH LEGEND

GENERAL NOTE: REF ASSEMBLIES SHEET FOR SUBSTRATES

EXP	EXPOSED STRUCTURE - NO FIELD FINISH
FRP	FIBER REINFORCED PANEL - 4" WAINSCOT
FPW	FIRE TREATED PLYWOOD, PAINTED
GWB	GYPSON WALL BOARD
IMP	INSULATED METAL PANEL
PT1	PAINT 1 (WHITE)
RB	RUBBER BASE, 6"
SH	SEALER HARDENER
CONC	CONCRETE
GYP	GYPSON CEILING
FRP	FIBER REINFORCED PANELS
S	SEALANT AT WALL BASE
PYW	PLYWOOD, MARINE GRADE AT WASH BAY ROOM 101

### DOOR SCHEDULE

DOOR #	WIDTH		HEIGHT	DOOR TYPE	ELEVATION	RATING	DETAILS			NOTES
	LEAF 1	LEAF 2					HEAD	JAMB	SILL	
101A	3'-0"		7'-0"	FG	1	N	1/A10	1/A10	4/A10	INSULATED DOOR AND FRAME
101B	20'-0"		14'-0"	OHD	5	-	1/A12	2/A12	-	SECTIONAL DOOR
101C	3'-0"		7'-0"	FG	1	N	1/A10	1/A10	4/A10	INSULATED DOOR AND FRAME
102A	20'-0"		16'-0"	OHD	5	-	1/A12	2/A12	-	SECTIONAL DOOR
102B	20'-0"		16'-0"	OHD	5	-	1/A12	2/A12	-	SECTIONAL DOOR
103A	20'-0"		14'-0"	OHD	5	-	1/A12	2/A12	-	SECTIONAL DOOR
103B	3'-0"		7'-0"	FG	1	N	1/A10	1/A10	4/A10	INSULATED DOOR AND FRAME
108	3'-0"		7'-0"	FG	2	N	4/A13	4/A13	5/A13	MEGADOOR BASIS OF DESIGN
108A	3'-0"		7'-0"	FG	1	N	1/A10	1/A10	4/A10	INSULATED DOOR AND FRAME
109	3'-0"	3'-0"	7'-0"	HM	3	45 MIN.	4/A13	4/A13	5/A13	1 HOUR WALL ASSEMBLY

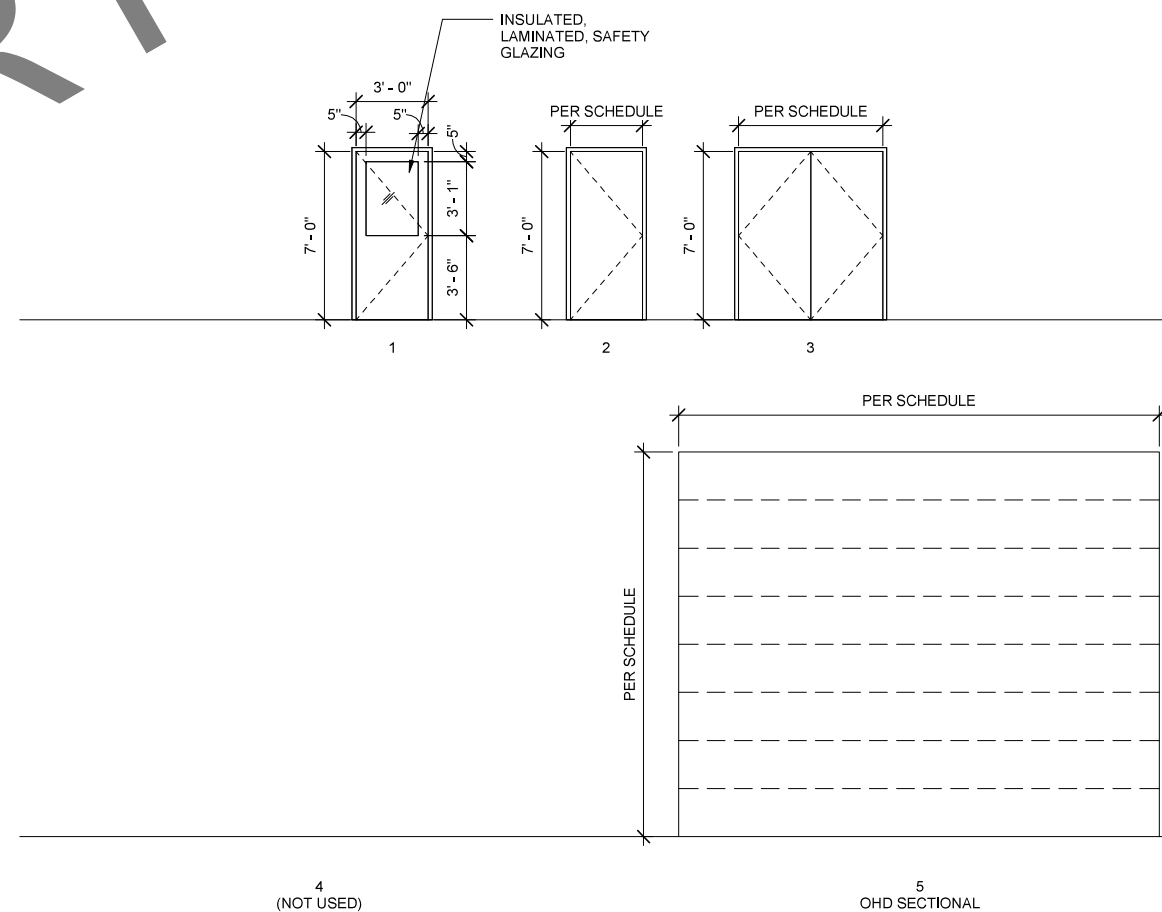
### DOOR SCHEDULE NOTES

- DOOR SIZE ON SCHEDULE INDICATES CLEAR FINISH OPENING. ALLOW FOR FLASHING.

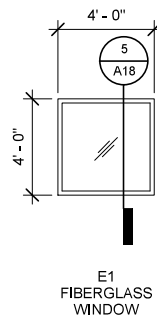
### DOOR LEGEND

FG	FIBERGLASS DOOR/FRAME - INSULATED,
RR	PAIR DOOR
HM	HOLLOW STEEL DOOR AND FRAME,
N	NONE
OHD	OVERHEAD DOOR

### DOOR TYPES



### WINDOW TYPES



PRELIMINARY PLANS

95% FACILITY DESIGN

DOCUMENTATION BY:  
MCG EXPLORE DESIGN  
CERT OF AUTH: AEC218

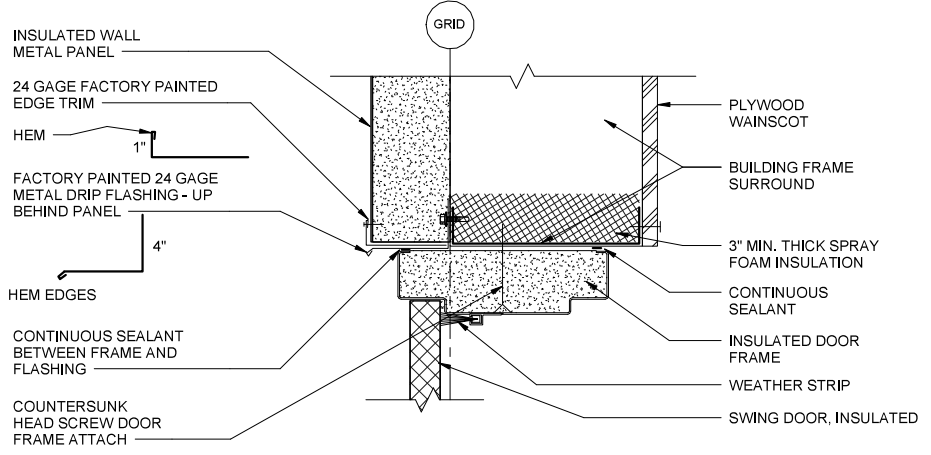
BY	DATE	REVISION

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
STATEWIDE PUBLIC FACILITIES

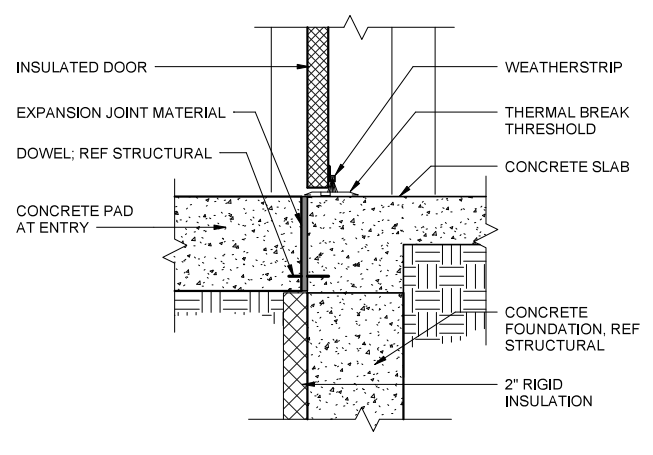
VALDEZ AIRPORT  
VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
& DEICING MATERIAL STORAGE BUILDING  
PROJECT No. Z61860000  
AIP No. 3-02-0311-XXX-2024  
SREB SCHEDULES

DATE:  
03/05/2024  
SHEET:  
A16 OF XX

Date Reviewed: 3/5/2024 6:55:01 PM  
 Designer: SREB DETAILS  
 Drawn By: SREB DETAILS  
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 MCG PROJECT NUMBER: 2019035



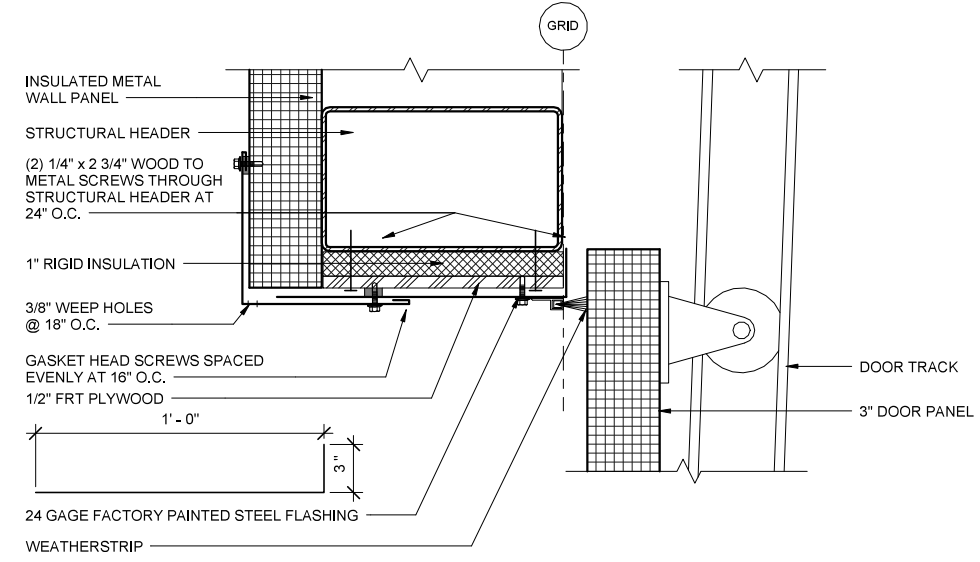
**1 HINGED DOOR HEAD - JAMB SIMILAR**  
 A17 3" = 1'-0"



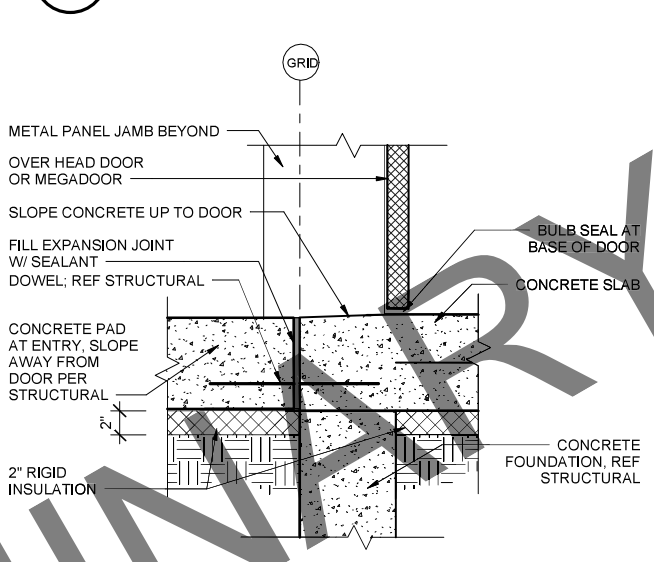
**4 DOOR SILL**  
 A17 1 1/2" = 1'-0"

**WORK BENCH SPECIFICATIONS**

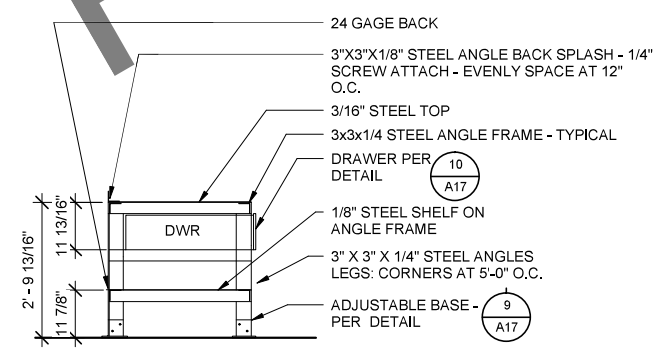
- INSTALL WHERE INDICATED ON FLOOR PLAN
- FRAME:** 3 x 3 x 1/4" STEEL ANGLES - WELD 3/16" FILLET AT CONNECTIONS
  - TOP:** 3/16" STEEL PLATE
  - SHELF:** 1/8" STEEL PLATE
  - BACK:** 24 GAGE STEEL SHEET
  - DRAWER:** BOTTOM AND SIDES: 16 GAGE GALVANIZE SHEET STEEL BEND OR WELDED - HEM TOP EDGES PULL: 6x5/16" WIRE: STANLEY 4486 OR EQUAL
  - EDGES:** SMOOTH EDGES BY GRINDING - FREE FROM SHARP SURFACES
  - FINISH:** SHOP APPLY: SOLVENT CLEAN & POWER GRIND OR GRIT BLAST CLEAN, PRIME AND EPOXY ENAMEL PAINT SEMI-GLOSS MEDIUM GRAY COLOR.
- 1/4" ROUND HEAD THRU BOLT ATTACH - EVENLY SPACE AT 12" MAXIMUM



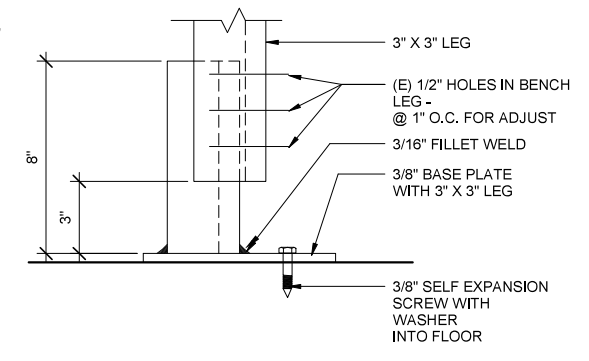
**2 OVERHEAD DOOR HEAD**  
 A17 3" = 1'-0"



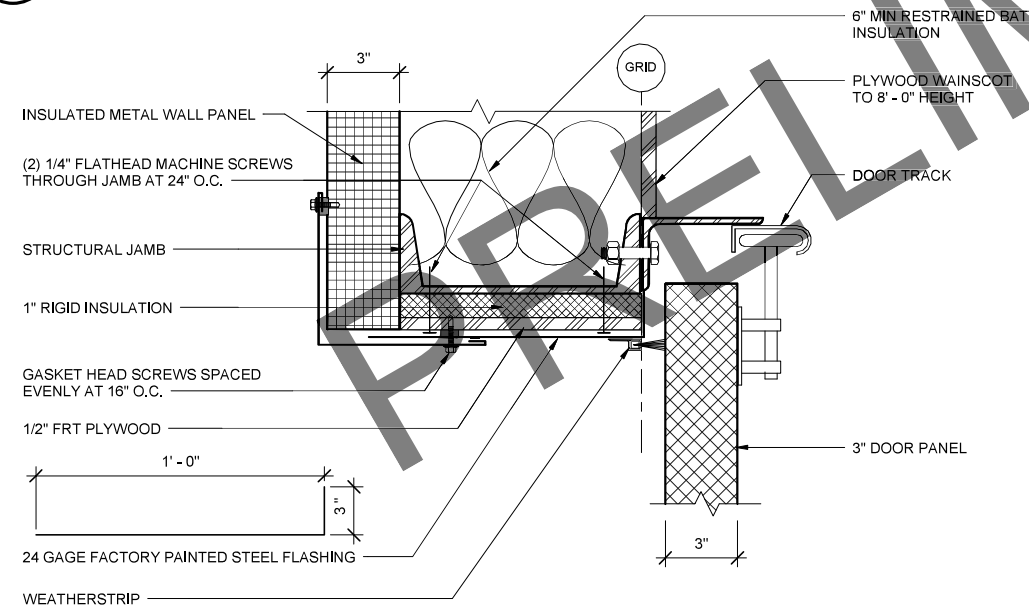
**5 OHD SILL (MEGADOOR SIM.)**  
 A17 1 1/2" = 1'-0"



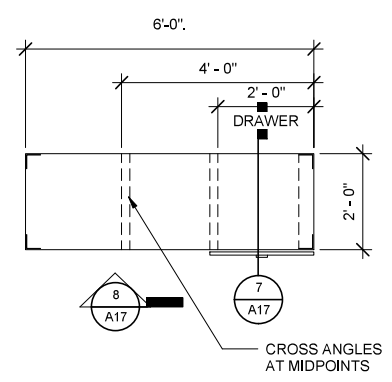
**7 WORK BENCH SECTION**  
 A17 1/2" = 1'-0"



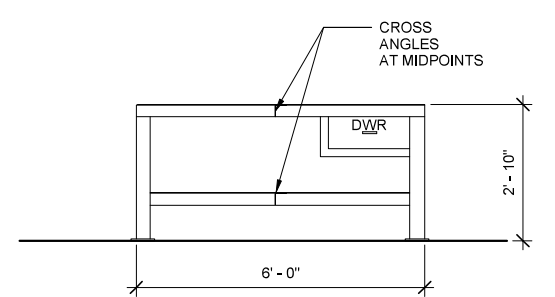
**9 WORK BENCH LEG**  
 A17 3" = 1'-0"



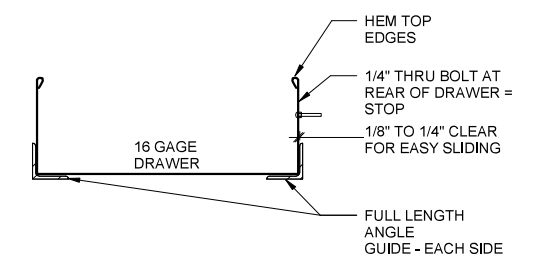
**3 OVERHEAD DOOR JAMB**  
 A17 3" = 1'-0"



**6 WORK BENCH PLAN**  
 A17 1/2" = 1'-0"



**8 WORK BENCH FRONT**  
 A17 1/2" = 1'-0"



**10 WORK BENCH DRAWER**  
 A17 1 1/2" = 1'-0"

DOCUMENTATION BY:  
 MCG EXPLORE DESIGN  
 CERT OF AUTH: AEC218

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STATE OF ALASKA  
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 STATEWIDE PUBLIC FACILITIES

95% FACILITY DESIGN  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB DETAILS

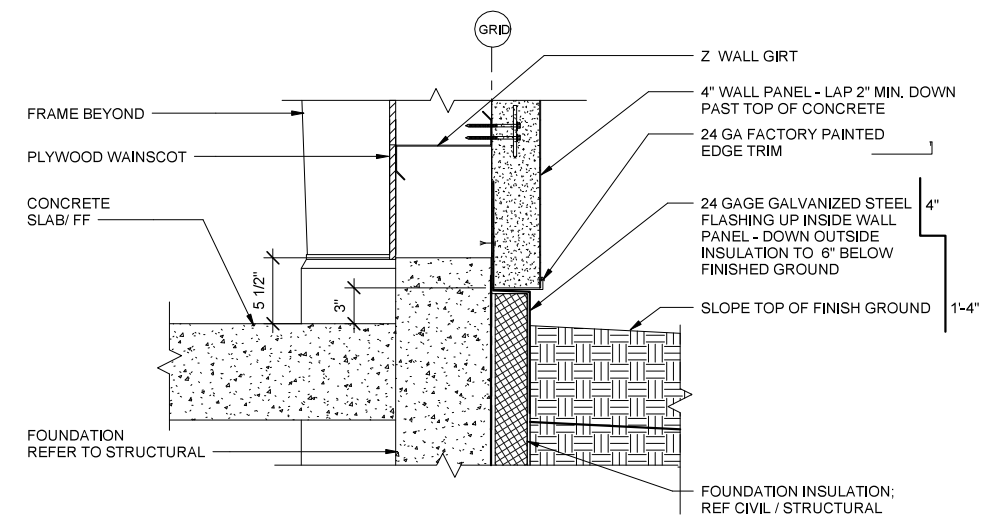
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 Drawn By: Auditor  
 Checked By: Checker

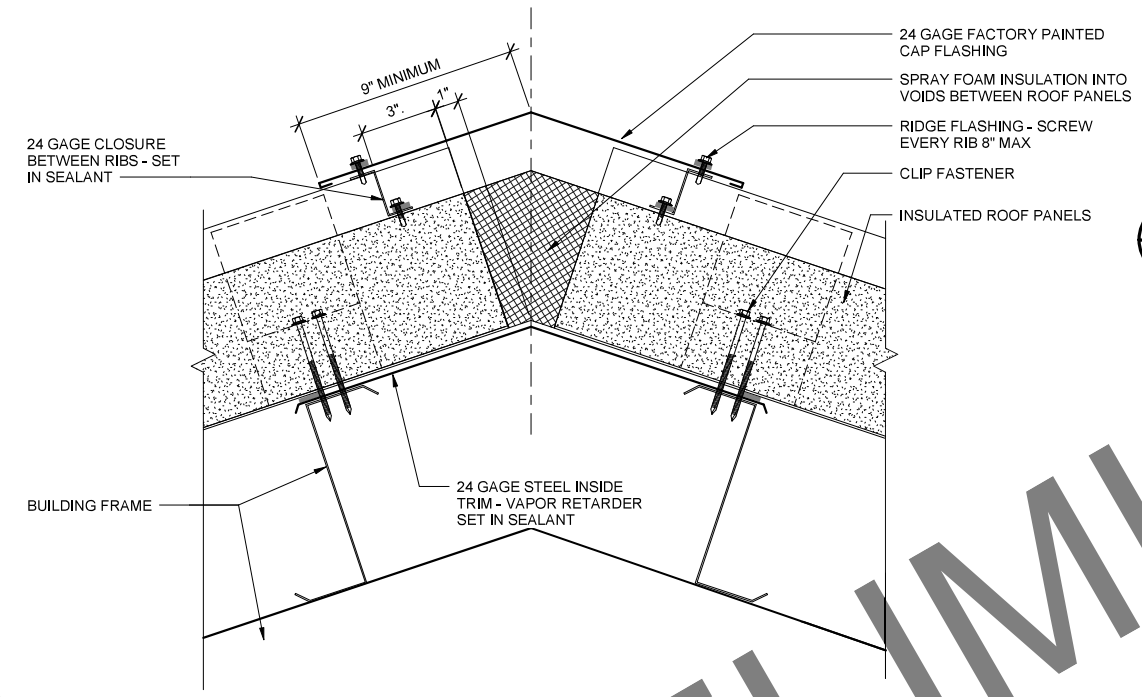
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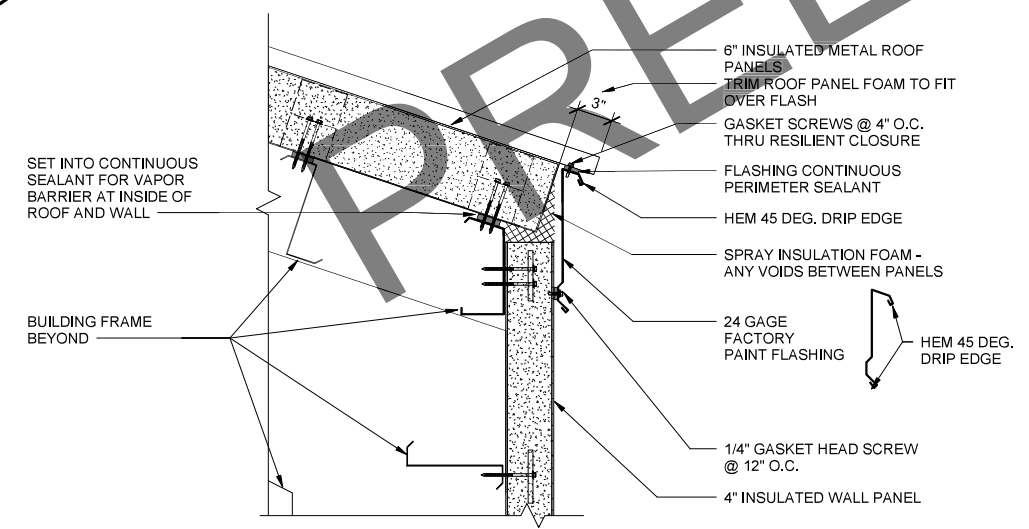
MCG PROJECT NUMBER: 2019035



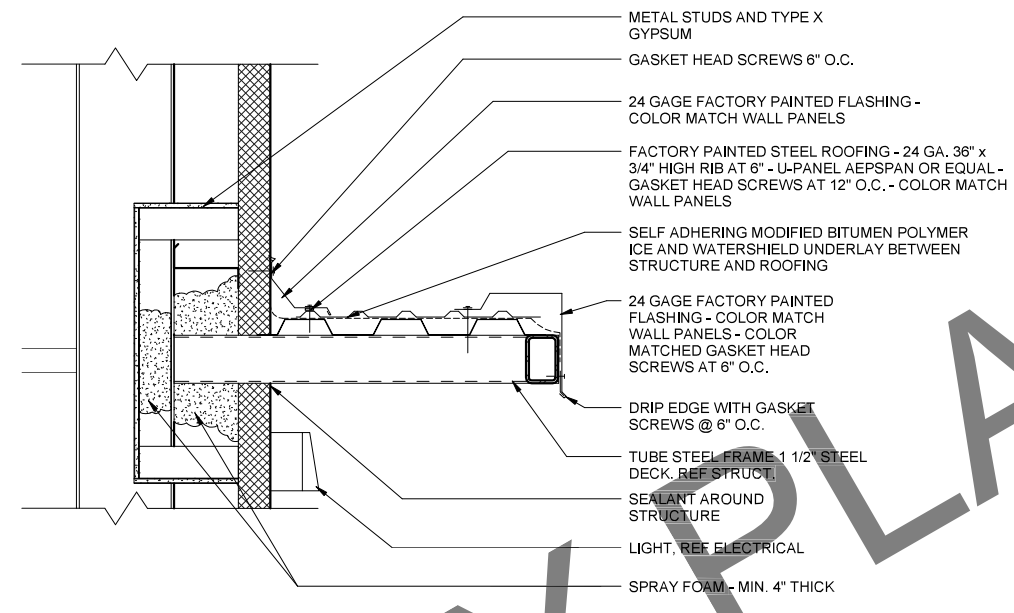
**1 BASE DETAIL**  
 A18 1 1/2" = 1'-0"



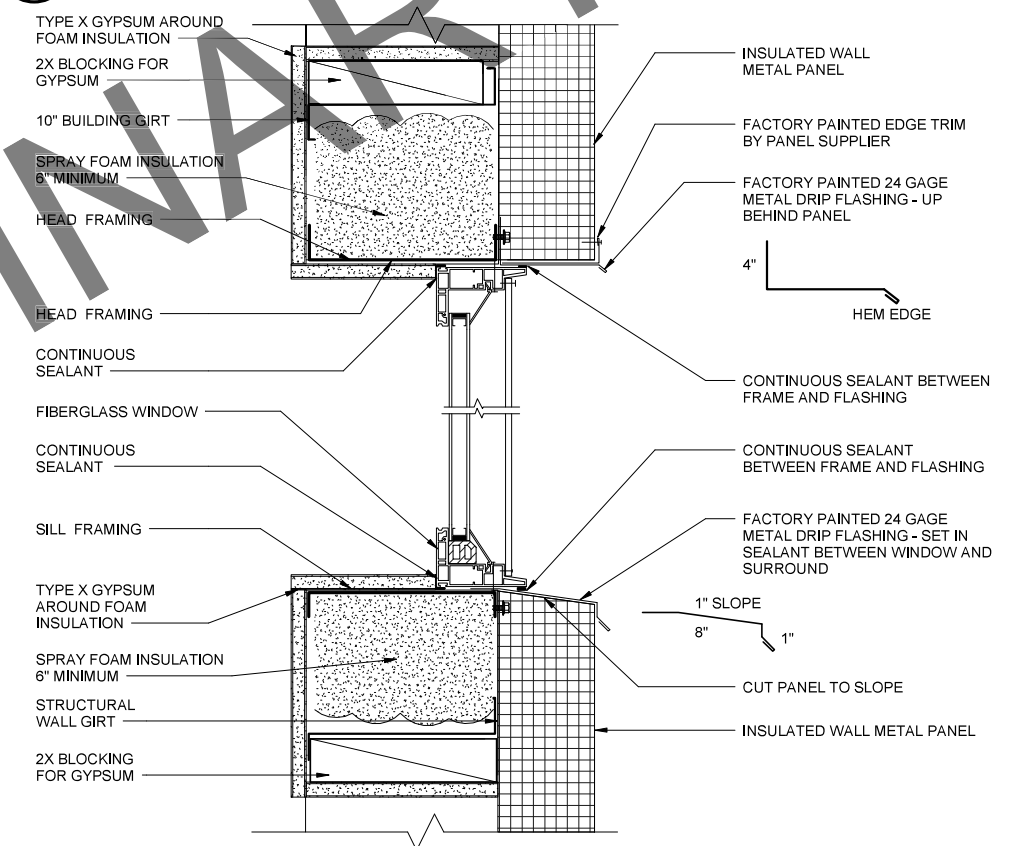
**2 RIDGE**  
 A18 3" = 1'-0"



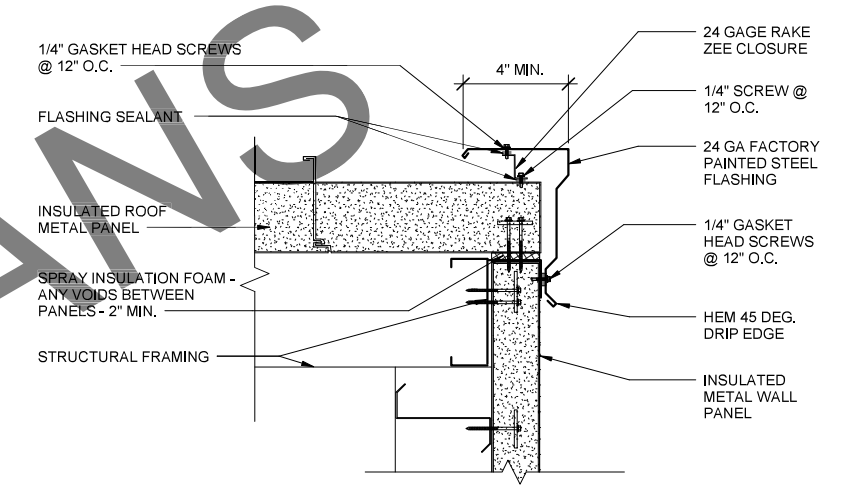
**3 ROOF EAVES**  
 A18 1 1/2" = 1'-0"



**6 CANOPY DETAIL**  
 A18 1" = 1'-0"



**5 WINDOW DETAIL, JAMB SIMILAR**  
 A18 3" = 1'-0"



**4 ROOF RAKE**  
 A18 1 1/2" = 1'-0"

DOCUMENTATION BY:  
 MCG EXPLORE DESIGN  
 CERT OF AUTH: AEC0218

BY	DATE	REVISION

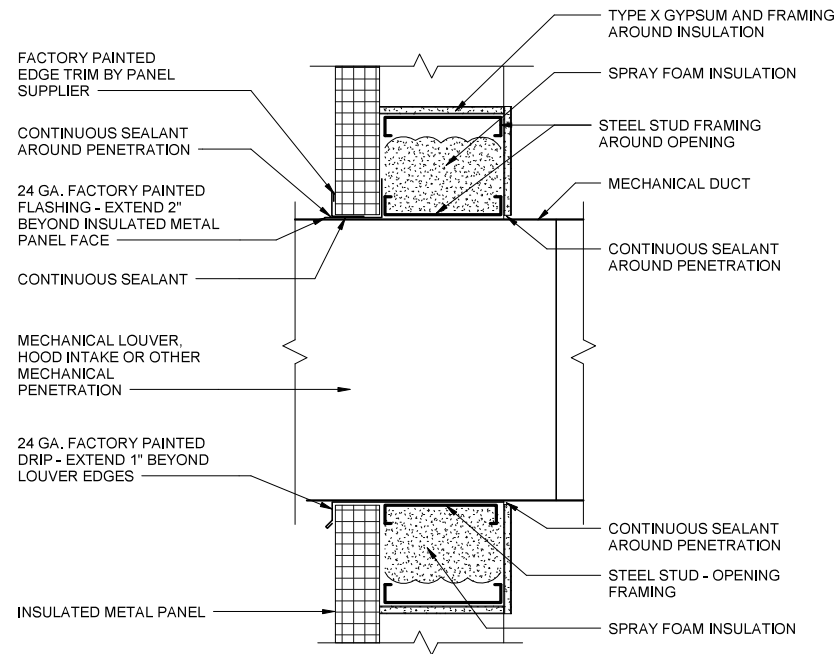
**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB DETAILS

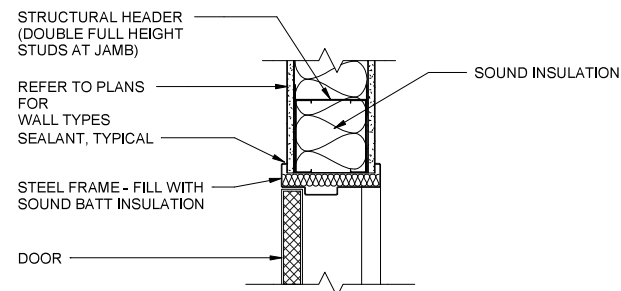
DATE:  
 03/05/2024  
 SHEET:  
 A18 OF XX

Date Reviewed: 2/5/2024 6:55:01 PM  
 Designer: bnelson  
 Drawn By: bnelson  
 Checked By: C. Chackal  
 File Path & Name: \\EDC2\Profiles\bnelson\Documents\Valdez-SREB-Details\A19-Details\A19-Details.dwg

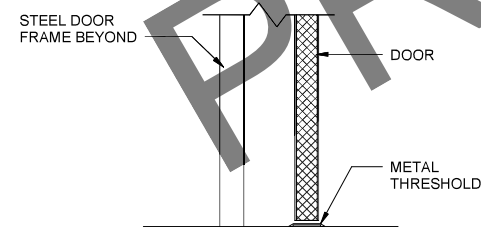
MCG PROJECT NUMBER: 2019035



**1 LOUVER (HOOD SIM.) MECH. PENETRATION DETAIL**  
 A19 1 1/2" = 1'-0"



**2 INTERIOR DOOR HEAD (JAMB SIM)**  
 A19 1 1/2" = 1'-0"



**3 INTERIOR DOOR SILL**  
 A19 1 1/2" = 1'-0"

PRELIMINARY PLANS

95% FACILITY DESIGN

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 MCG EXPLORE DESIGN  
 CERT OF AUTH: AEC218

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

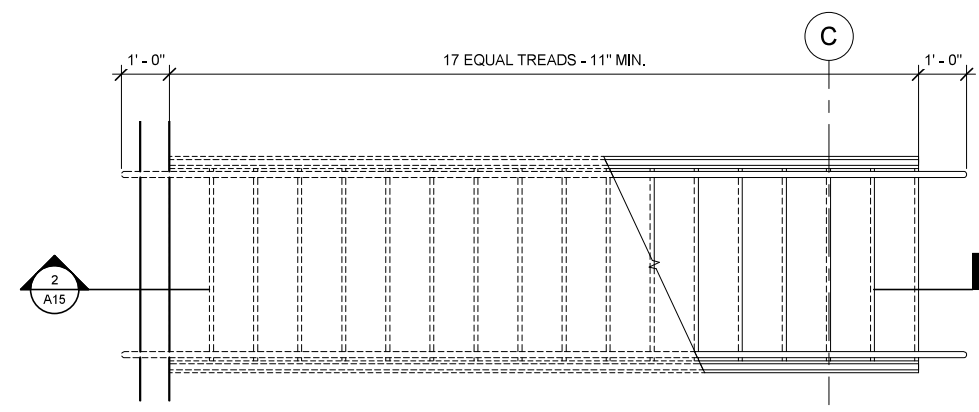
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB DETAILS

DATE:  
 03/05/2024  
 SHEET:  
 A19 OF XX

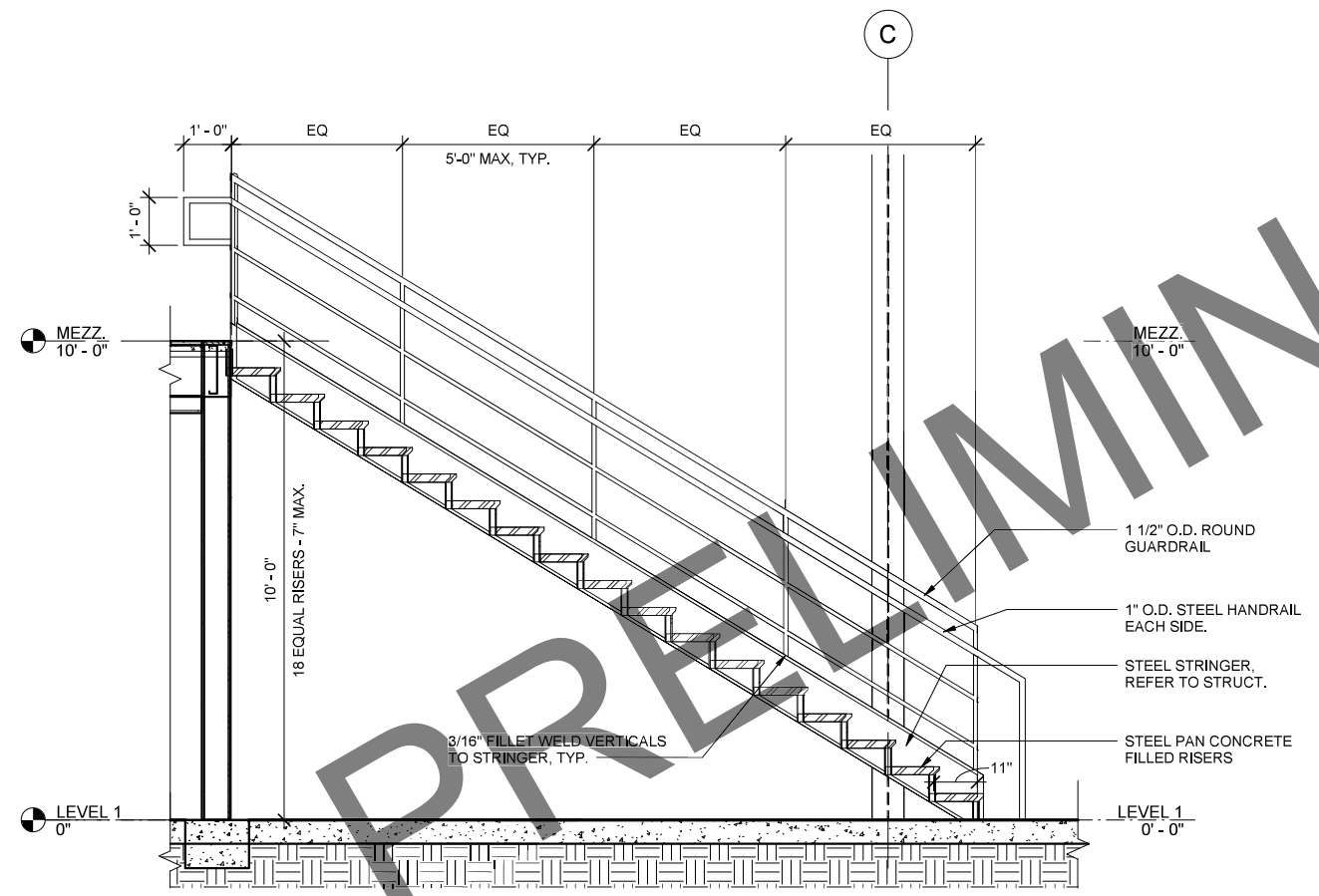
Date Revised: 3/5/2024 6:55:01 PM  
 Level Number: SREB STAIR DETAILS  
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MCG PROJECT NUMBER: 2019035

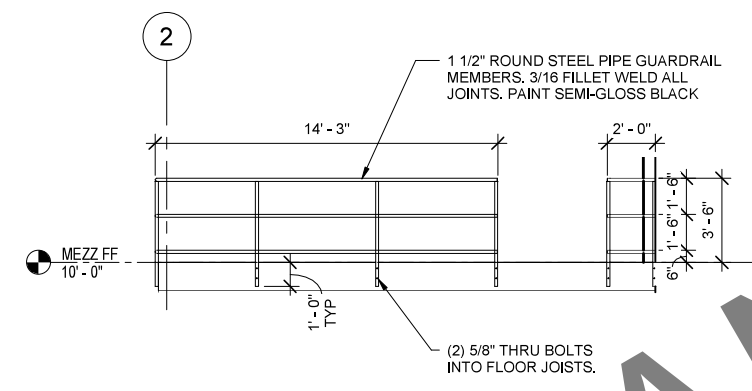
Designer: [Blank]  
 Author: [Blank]  
 Checked By: [Blank]



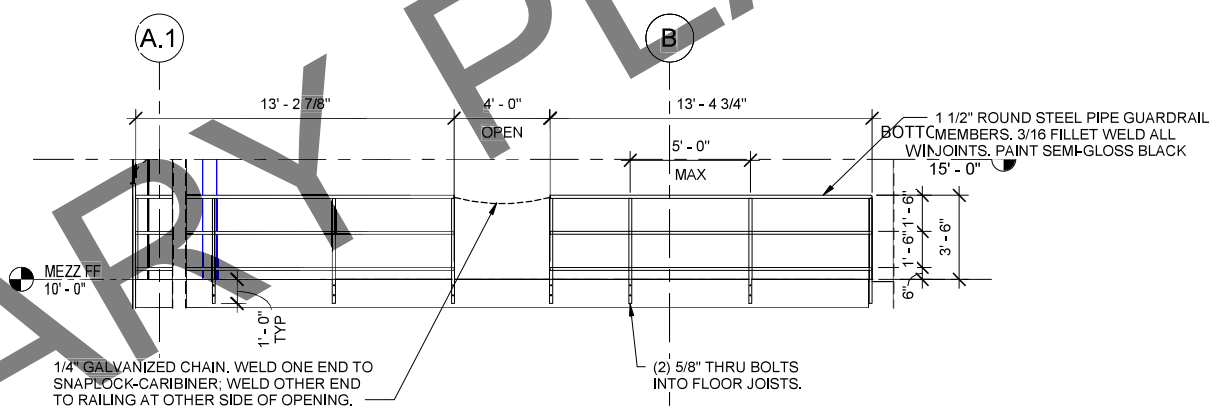
**4 ENLARGED STAIR PLAN**  
 A20 1/2" = 1'-0"



**1 STAIR SECTION**  
 A20 1/2" = 1'-0"



**2 MEZZ. RAILING ELEVATION**  
 A20 1/4" = 1'-0"



**3 MEZZ. RAILING ELEVATION**  
 A20 1/4" = 1'-0"

DOCUMENTATION BY:  
 MCG EXPLORE DESIGN  
 CERT OF AUTH: AECC218

BY	DATE	REVISION

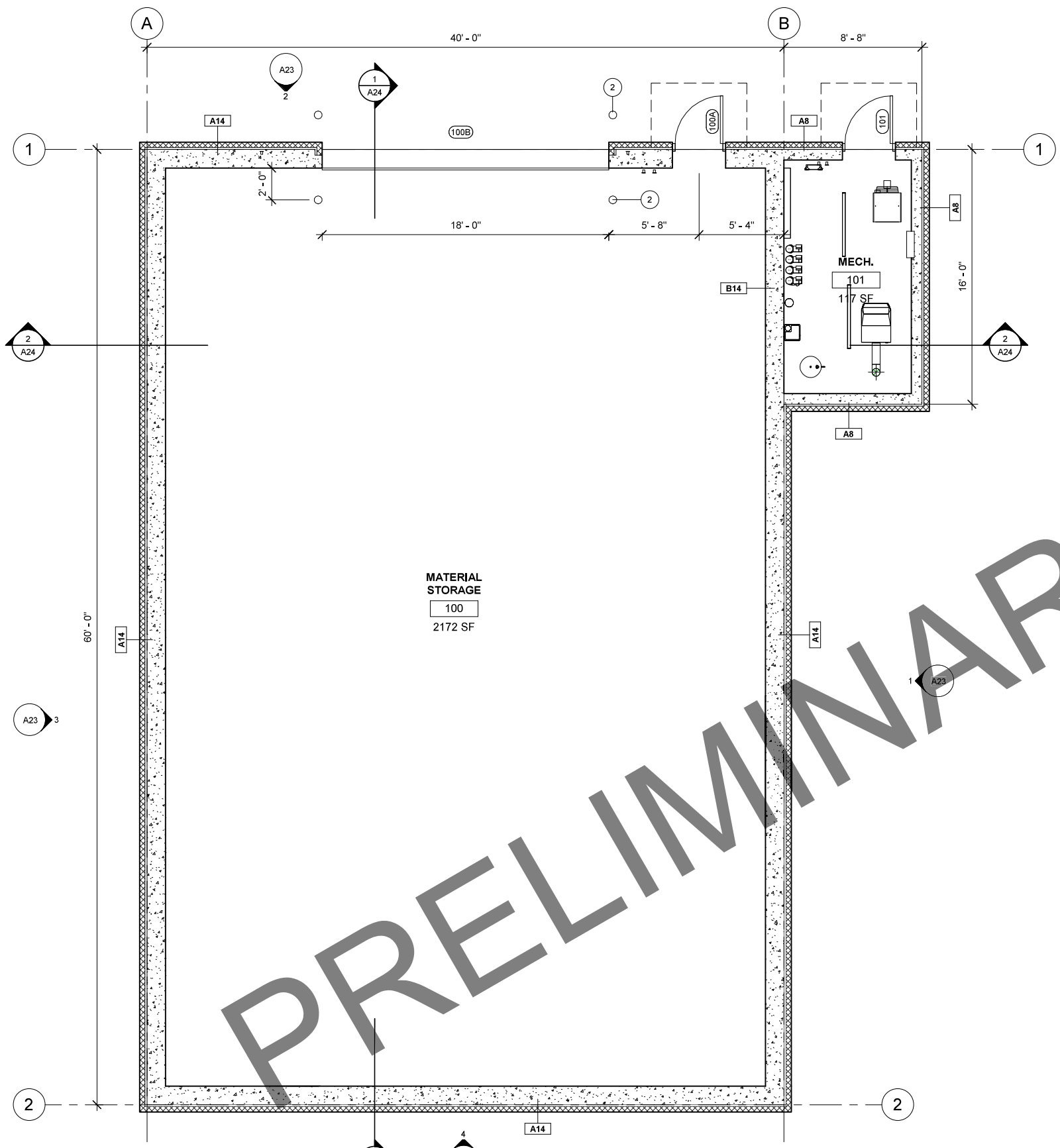
**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB STAIR DETAILS

DATE:  
 03/05/2024  
 SHEET:  
 A20 OF XX

Date Revised: 3/5/2024 7:01:51 PM  
 Designer: DMSB FLOOR PLAN - LEVEL 1  
 Drawn By: Y-120212021035 - Valdez SREB and SSB  
 Checked By: SSB/BIM/Valdez\_DMSB.rvt  
 File Path & Name:

MCG PROJECT NUMBER: 2019035



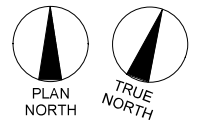
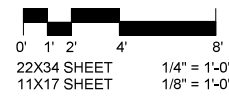
**SHEET NOTES**

2 BOLLARD, REF STRUCTURAL

**FLOOR PLAN LEGEND**

- ① SHEET NOTES CALLOUT
- Room name 101 ROOM TAG
- ① WINDOW TAG - REFER TO WINDOW SCHEDULE
- XXX WALL TAG - REFER TO VERTICAL ASSEMBLIES ON SHEET A1
- WALL
- 101 DOOR AND TAG

① FLOOR PLAN - LEVEL 1  
A21 1/4" = 1'-0"



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 CERT OF AUTH: AECC218

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**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 DMSB FLOOR PLAN - LEVEL 1

DATE: 03/05/2024  
 SHEET: A21 OF XX  
 XX OF XX




Date Revised: 3/5/2024 7:01:51 PM  
 User: DMSB ROOF PLAN  
 File Path & Name: Y:\2021\2021035 - Valdez SREB and SSB\BIM\Valdez\_DMSB.rvt  
 Designed By: Designer  
 Drawn By: Auditor  
 Checked By: Checker

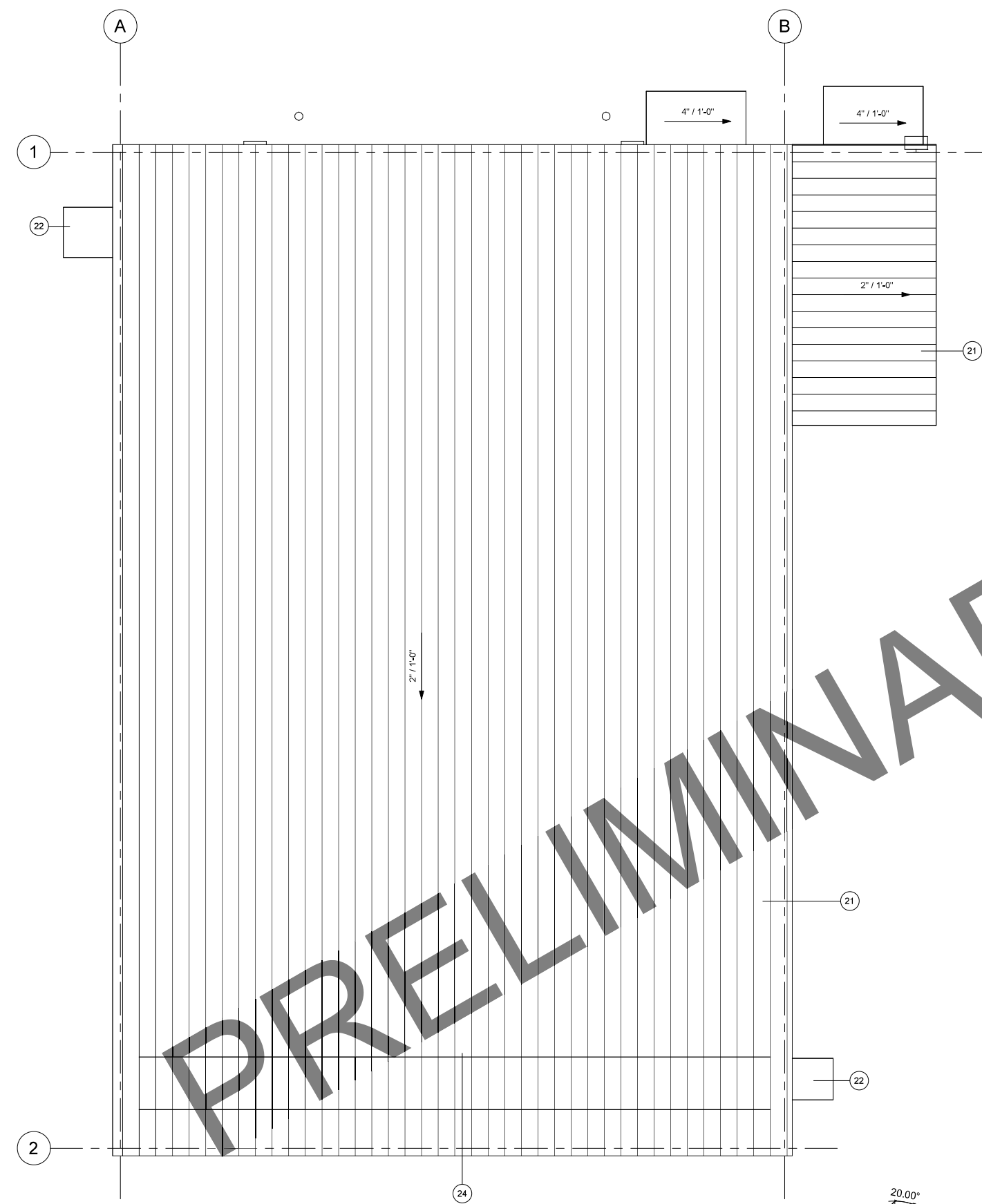
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**SHEET NOTES**

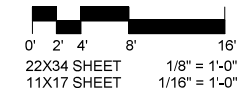
- 21 6" INSULATED METAL ROOF PANELS
- 22 MECHANICAL PENETRATION, REF MECHANICAL
- 24 SNOW GUARDS

**ROOF PLAN LEGEND**

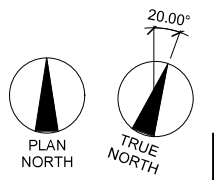
-  SHEET NOTES CALLOUT
-  INSULATED METAL ROOF PANELS
-  ROOF PIPE PENETRATION



**1 ROOF PLAN**  
A22 1/4" = 1'-0"



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 MCG EXPLORE DESIGN  
 CERT OF AUTH: AEC0218



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**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 DMSB ROOF PLAN

DATE: 03/05/2024  
 SHEET: A22 OF XX  
 26 of 70



Date Reviewed: 3/5/2024 7:01:51 PM  
 Designer: DMSB BUILDING ELEVATIONS  
 Drawn By: Y-120212021035 - Valdez SREB and SSB/BIM/Valdez DMSB.rvt  
 Checked By:

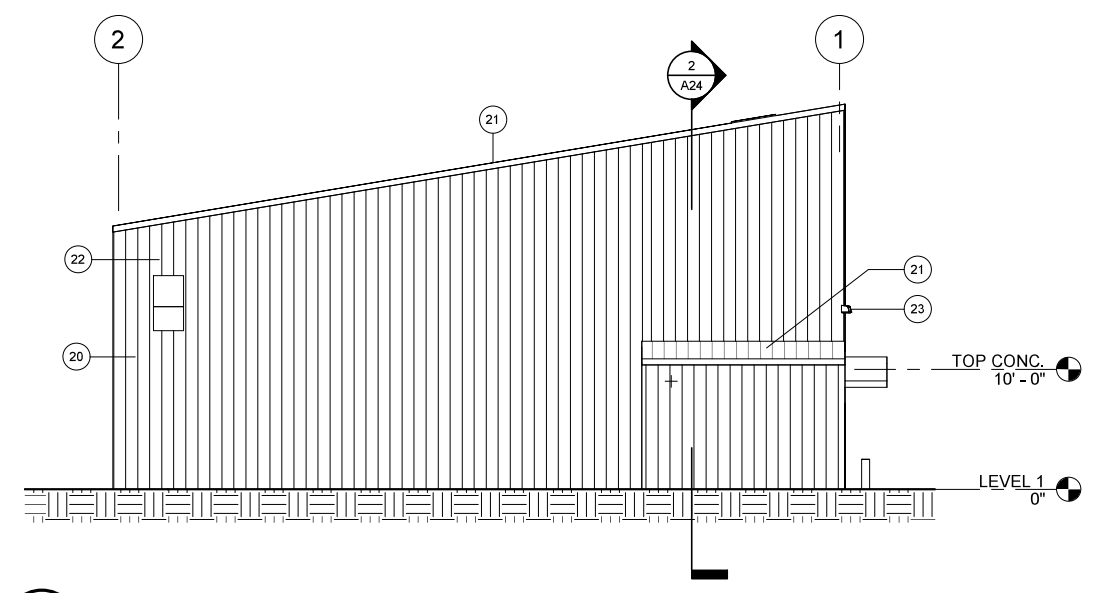
MCG PROJECT NUMBER: 2019035

### LEGEND

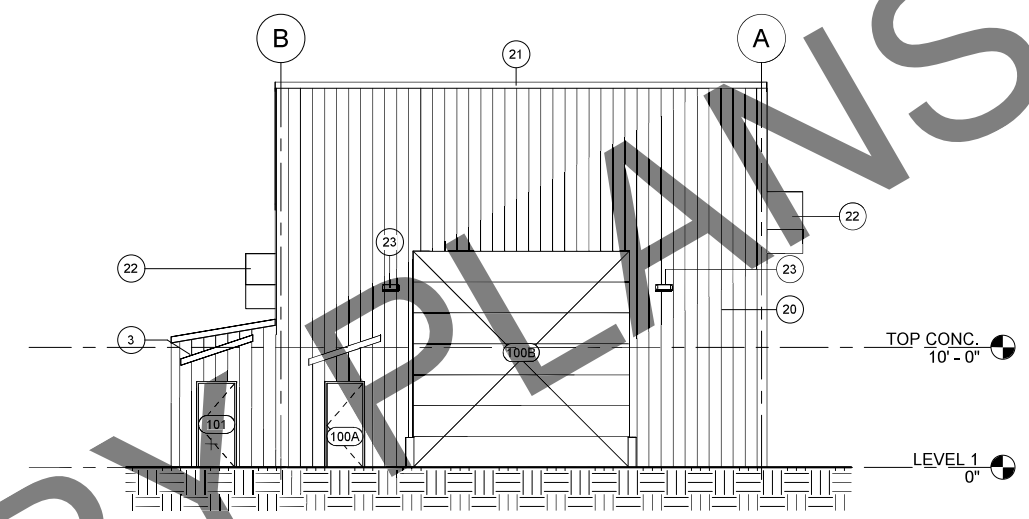
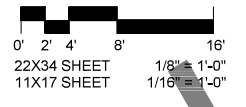
- ① SHEET NOTES CALLOUT
- ⑩ DOOR TAG

### SHEET NOTES

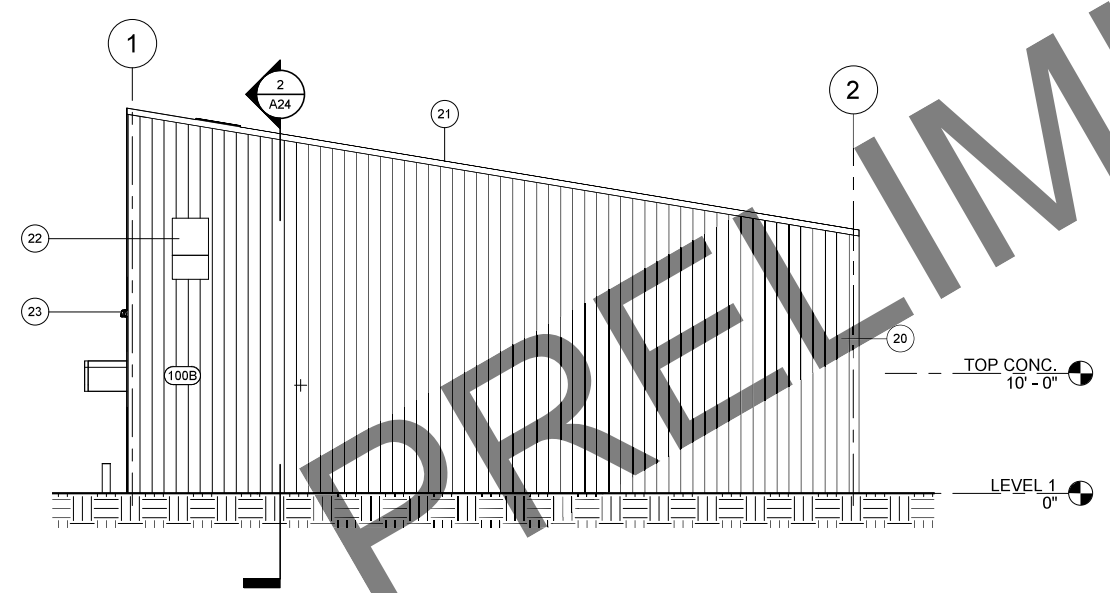
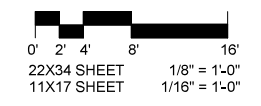
- 3 CANOPY
- 20 4" INSULATED METAL WALL PANELS
- 21 6" INSULATED METAL ROOF PANELS
- 22 MECHANICAL PENETRATION, REF MECHANICAL
- 23 LIGHT FIXTURE, REF ELECTRICAL



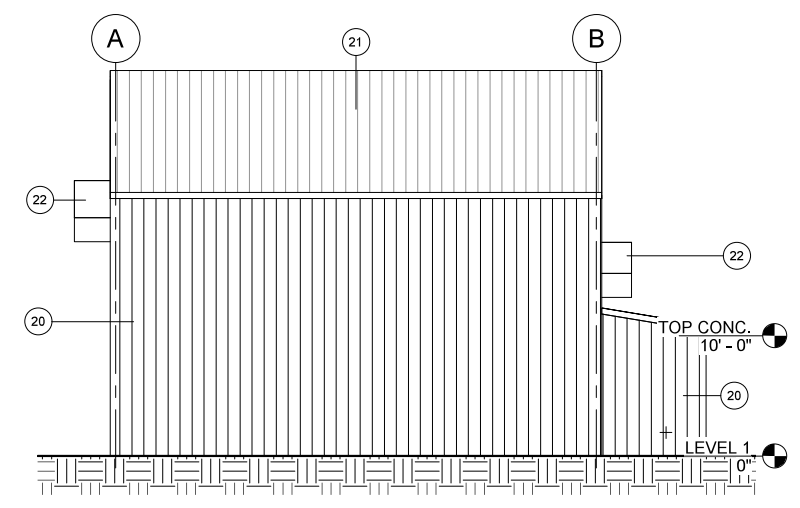
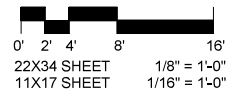
**1 ELEVATION 1**  
A23 1/8" = 1'-0"



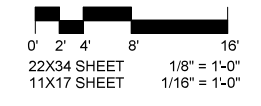
**2 ELEVATION 2**  
A23 1/8" = 1'-0"



**3 ELEVATION 3**  
A23 1/8" = 1'-0"



**4 ELEVATION 4**  
A23 1/8" = 1'-0"



**95% FACILITY DESIGN**

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MCG EXPLORE DESIGN  
CERT OF AUTH: AECC218

BY	DATE	REVISION

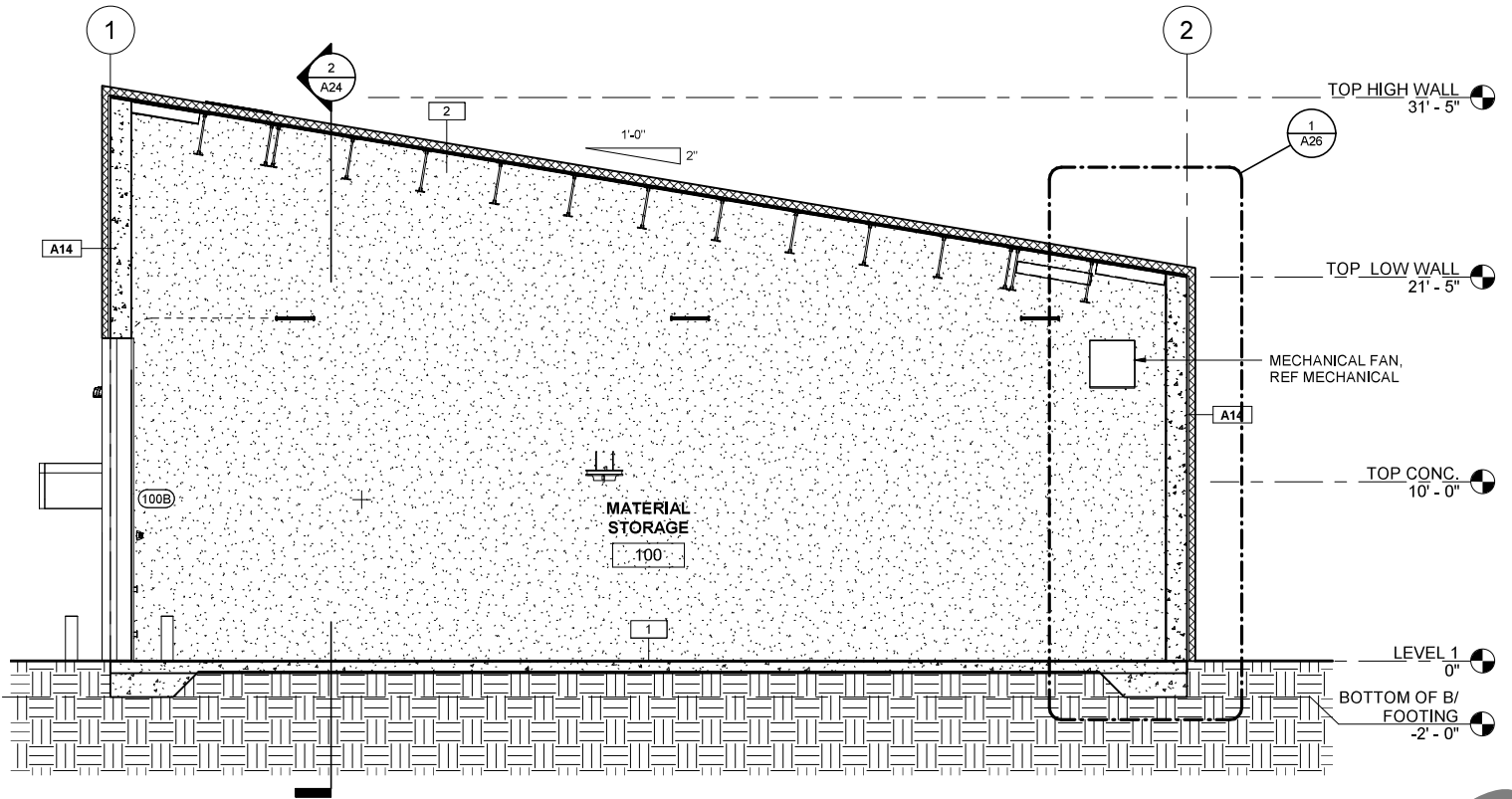
**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 DMSB BUILDING ELEVATIONS

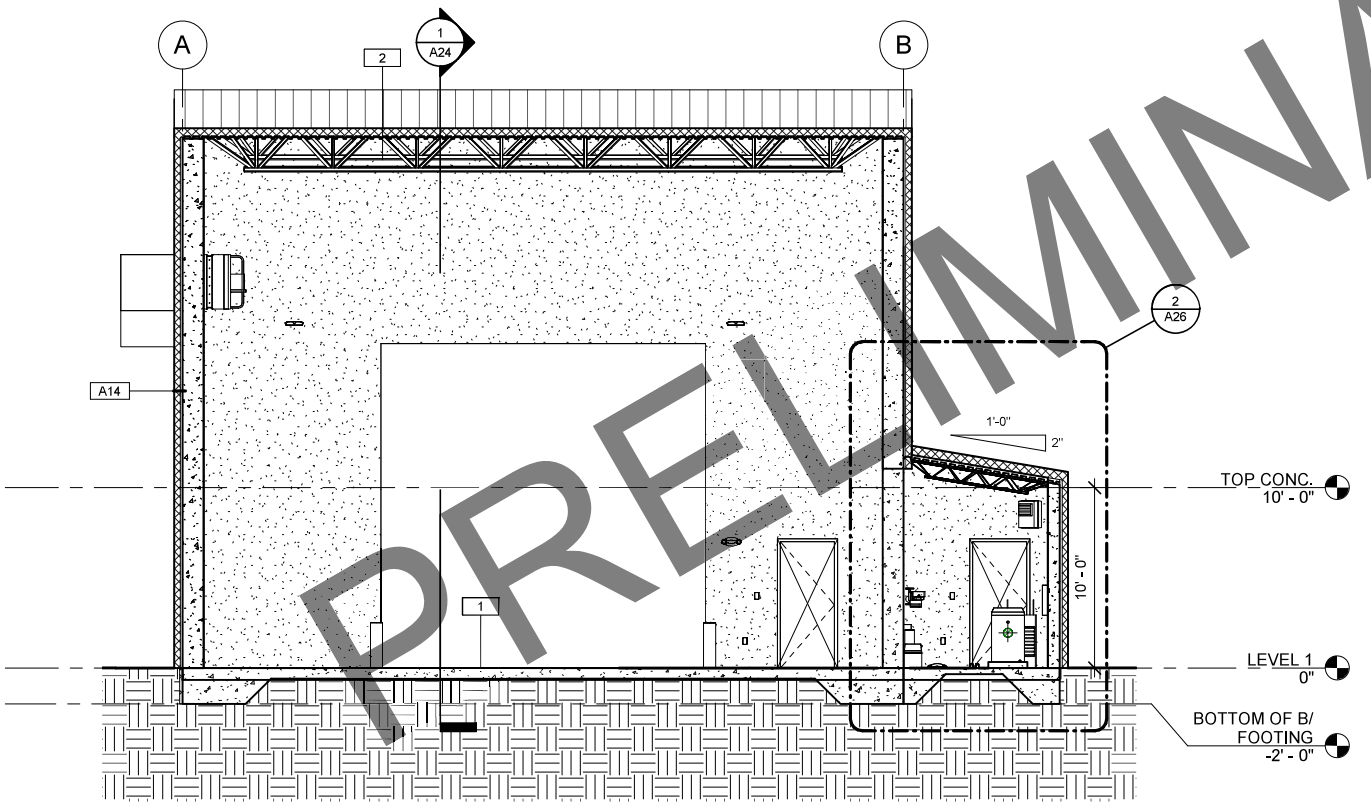
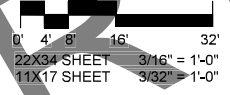
DATE: 03/05/2024  
 SHEET: A23 OF XX  
 27 of 70

Date Reviewed: 3/5/2024 7:01:52 PM  
 Designer: A24  
 Drafter: A14  
 Checked By: C14  
 File Path & Name: Y:\2021\2021035 - Valdez SREB and SSB\BIM\Valdez\_DMSB.rvt

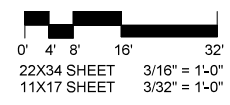
MCG PROJECT NUMBER: 2019035



**1 BUILDING CROSS SECTION**  
A24 3/16" = 1'-0"



**2 BUILDING LONG. SECTION**  
A24 3/16" = 1'-0"



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BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 DMSB BUILDING SECTIONS

DATE: 03/05/2024  
 SHEET: A24 OF XX  
 28 of 70

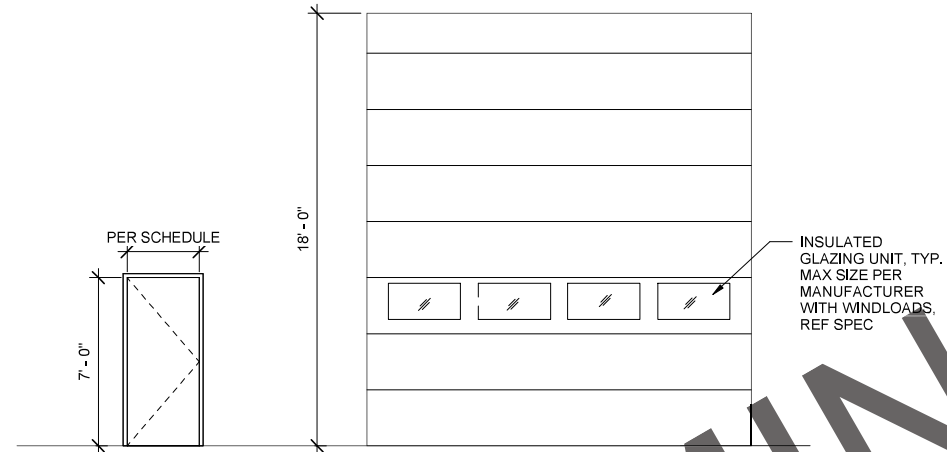
ROOM FINISH SCHEDULE								
ROOM NO.	ROOM NAME	FLOOR		WALLS				CEILING
		FINISH	BASE	NORTH	EAST	SOUTH	WEST	
100	MATERIAL STORAGE	SC	-	SC	SC	SC	SC	EXP
101	MECH.	SC	-	SC	SC	SC	SC	EXP

### SCHEDULE ABBREVIATIONS

EXP EXPOSED STRUCTURE - NO FIELD FINISH  
 SC SEALED CONCRETE  
 FG FIBERGLASS DOOR AND FRAME

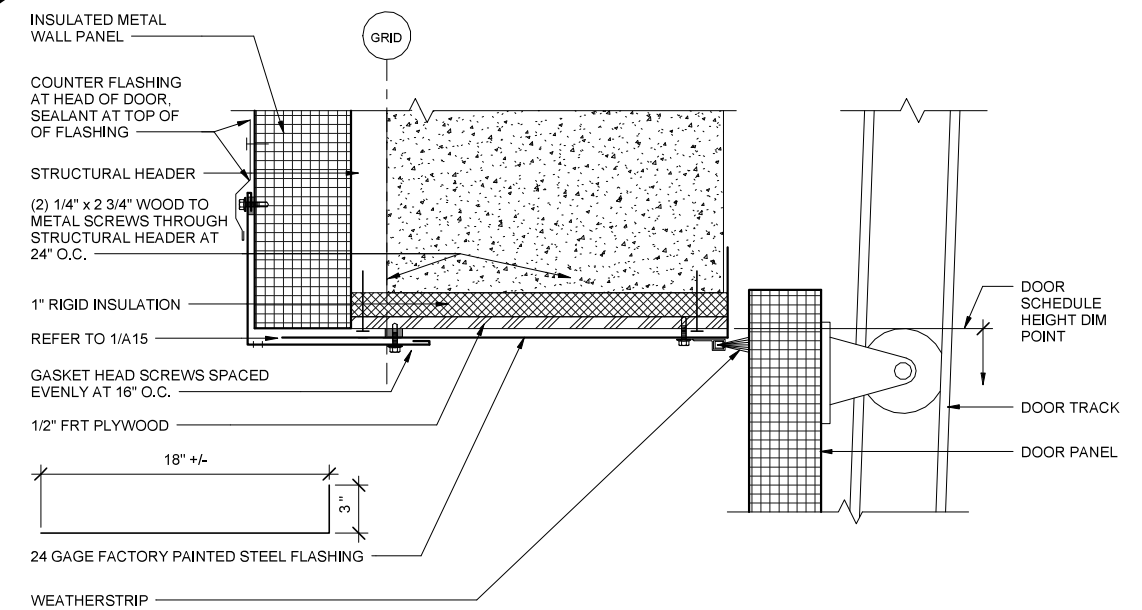
DOOR SCHEDULE										
DOOR #	WIDTH		HEIGHT	DOOR TYPE	ELEVATION	RATING	DETAILS			NOTES
	LEAF 1	LEAF 2					HEAD	JAMB	SILL	
100A	3'-0"		7'-0"	FG	1	-	1/A27	1/A27	-	INSULATED DOOR AND FRAME
100B	18'-0"		18'-0"	OHD	2	-	3/A27	2/A27	-	SECTIONAL
101	3'-0"		7'-0"	FG	1	-	1/A27	1/A27	-	INSULATED DOOR AND FRAME

### DOOR TYPES



### 2 OVERHEAD DOOR JAMB

A25 3" = 1'-0"



### 3 OVERHEAD DOOR HEAD

A25 3" = 1'-0"



### 1 DOOR HEAD, JAMB SIM.

A25 3" = 1'-0"



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 CERT OF AUTH: AEC218

BY	DATE	REVISION

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 STATEWIDE PUBLIC FACILITIES

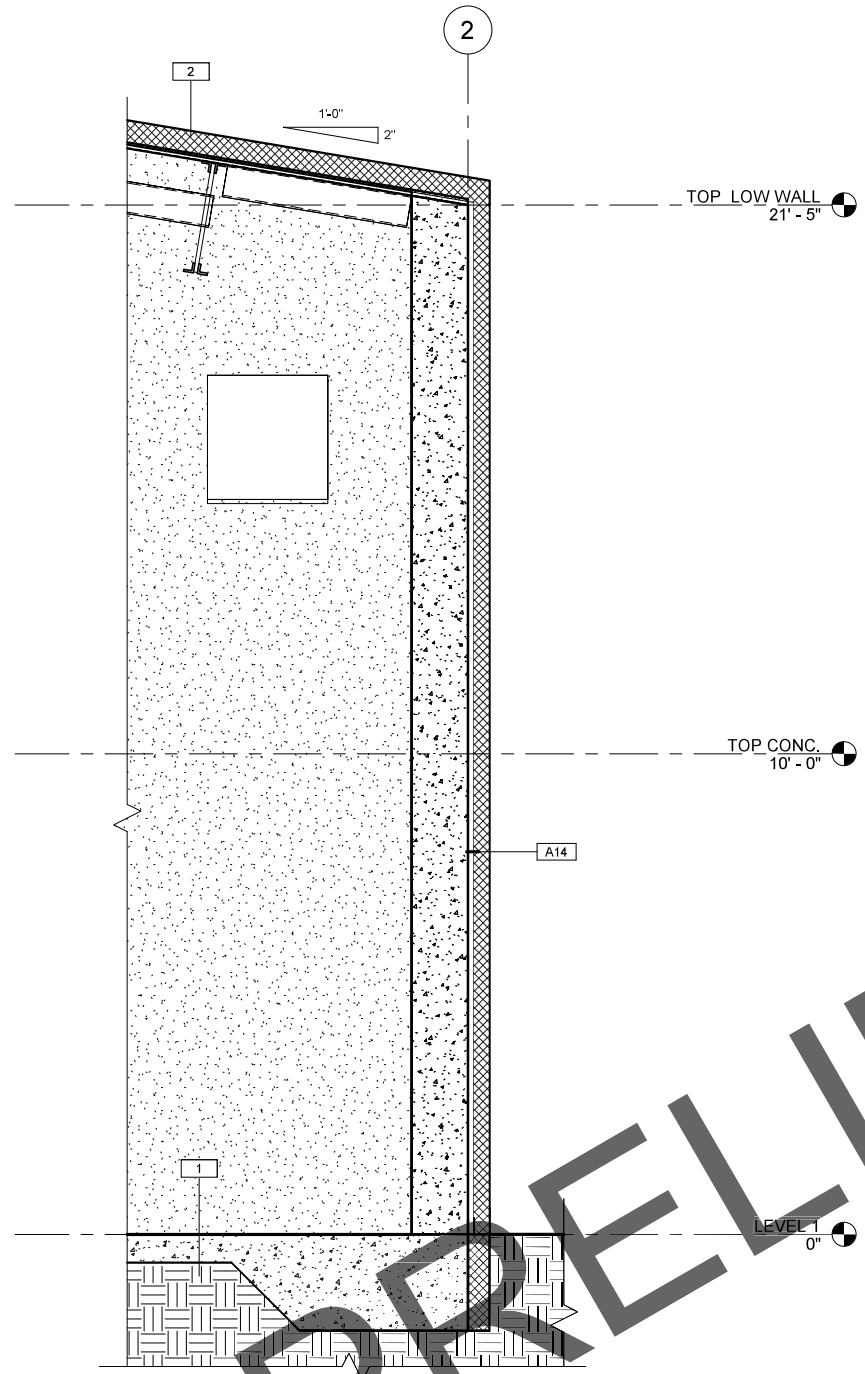
95% FACILITY DESIGN  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z61860000  
 AIP No. 3-02-0311-XXX-2024  
 DMSB SCHEDULES

DATE:  
 03/05/2024  
 SHEET:  
 A25 OF XX

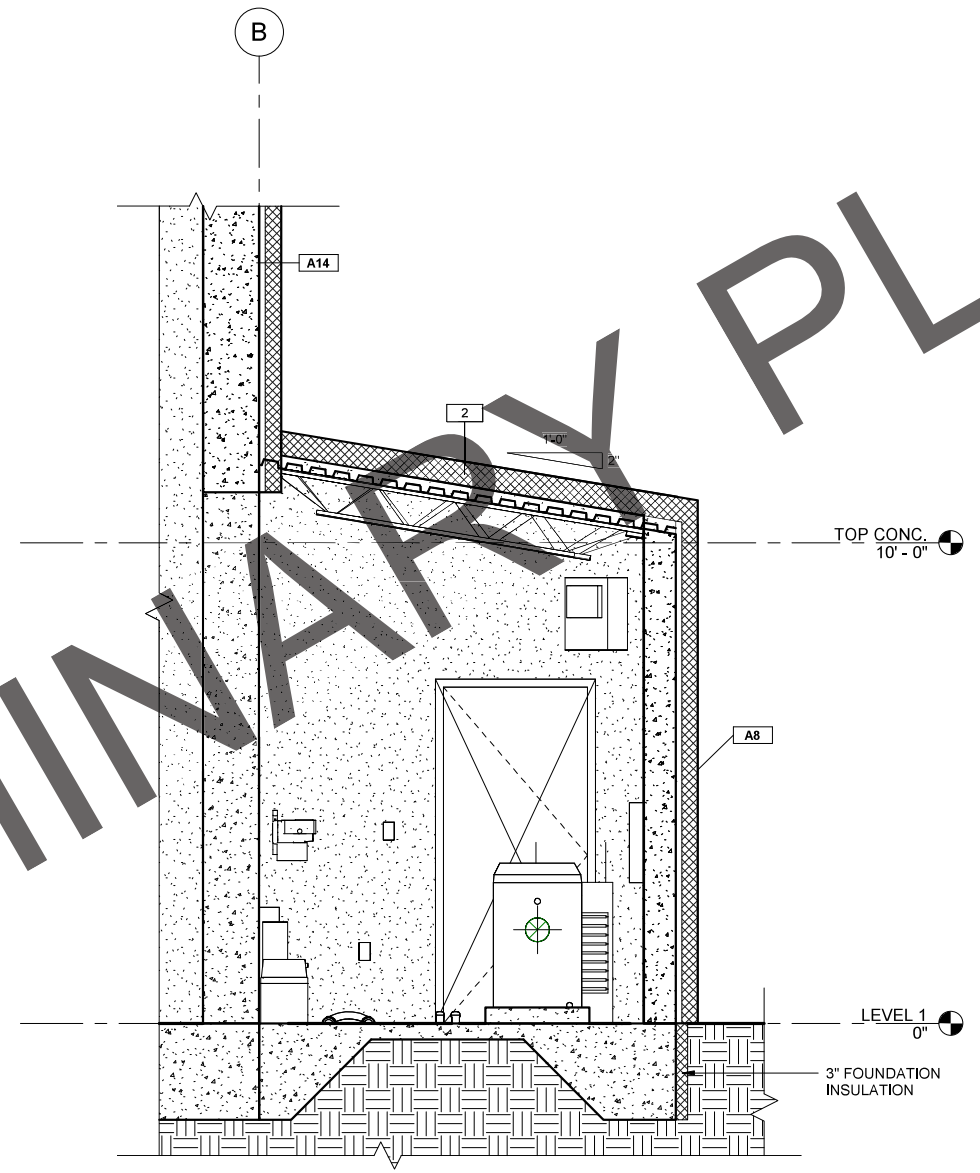
Date Reviewed: 3/5/2024 7:01:52 PM  
 Design: DMSB SCHEDULES  
 Drawn By: Y-120212021035 - Valdez SREB and SSB/IM/Valdez\_DMSB.rvt  
 Checked By: C. Chackel  
 MCG PROJECT NUMBER: 2019035

Date Revised: 3/5/2024 7:01:52 PM  
 Designer: DMSB WALL SECTIONS  
 Drawn By: Y-120212021035 - Valdez SREB and SSB  
 Checked By: MIMValdez.DMSB.rvt  
 File Path & Name:

MCG PROJECT NUMBER: 2019035



**1** WALL SECTION AT GRID 2  
 A26 1/2" = 1'-0"



**2** WALL SECTION AT GRID B  
 A26 1/2" = 1'-0"

PRELIMINARY PLANS

**95% FACILITY DESIGN**

DOCUMENTATION BY:  
 MCG EXPLORE DESIGN  
 CERT OF AUTH: AECC218

BY	DATE	REVISION

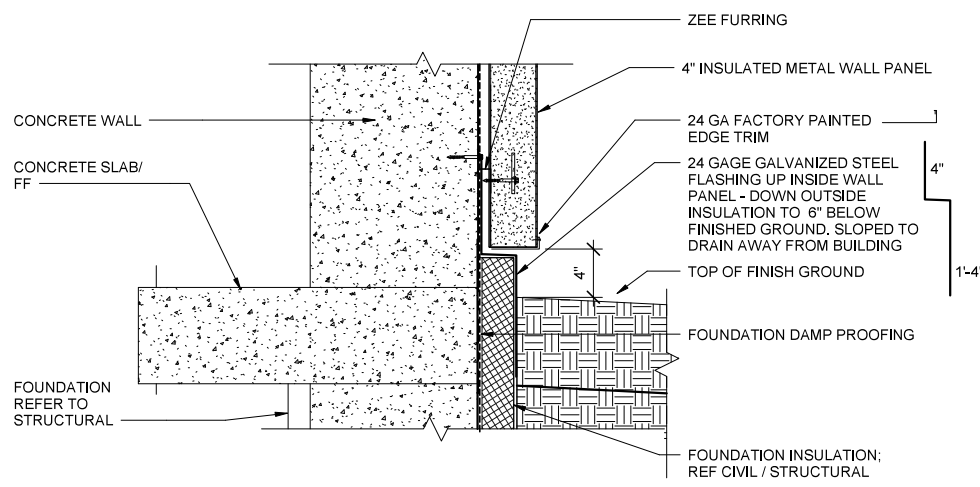
**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 DMSB WALL SECTIONS

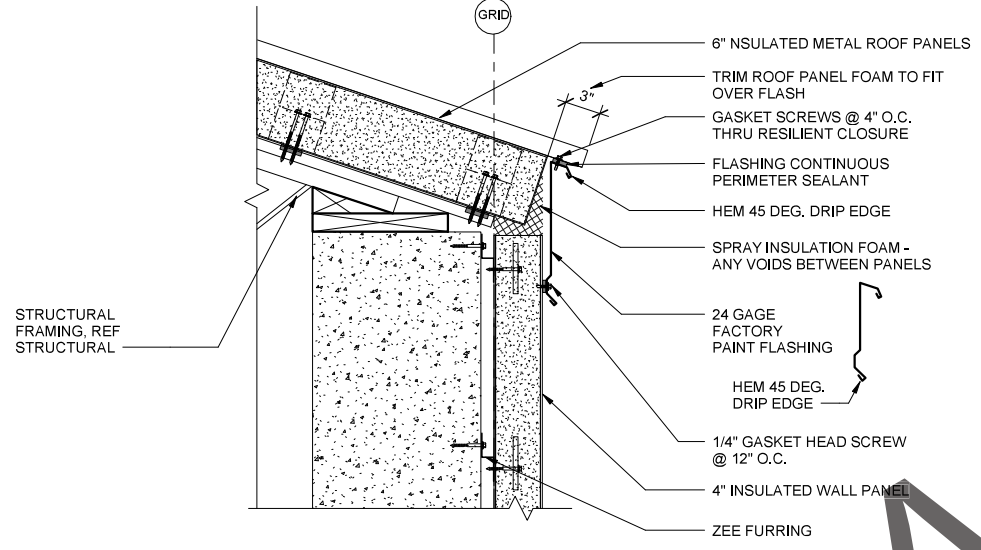
DATE: 03/05/2024  
 SHEET: A26 OF XX

Date Reviewed: 3/5/2024 7:01:52 PM  
 Designer: A27  
 Drawn By: A27  
 Checked By: A27  
 File Path & Name: Y:\2021\2021035 - Valdez SREB and SSB\BIM\Valdez\_DMSB.rvt

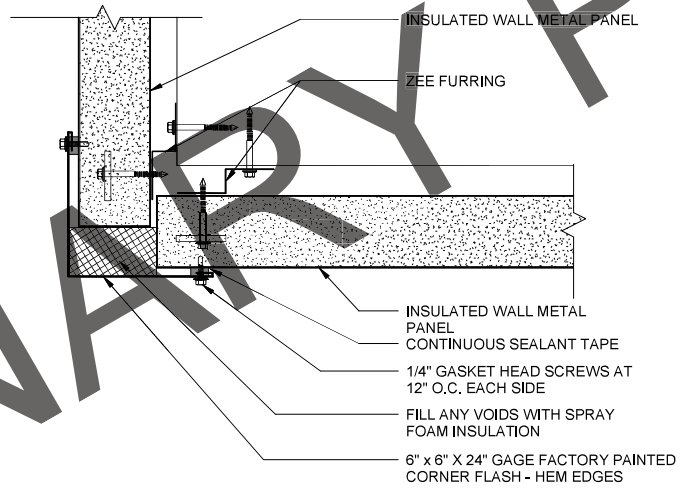
MCG PROJECT NUMBER: 2019035



**1 BASE DETAIL**  
A27 1 1/2" = 1'-0"

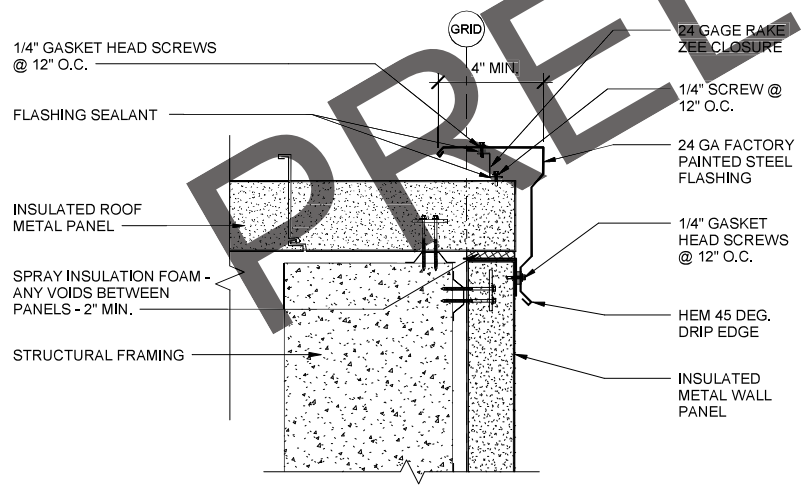


**4 ROOF EAVES**  
A27 1 1/2" = 1'-0"



**5 CORNER**  
A27 3" = 1'-0"

**2 NOT USED**  
A27 3" = 1'-0"



**3 ROOF RAKE**  
A27 1 1/2" = 1'-0"

DOCUMENTATION BY:  
 MCG EXPLORE DESIGN  
 CERT OF AUTH: AECC218

BY	DATE	REVISION

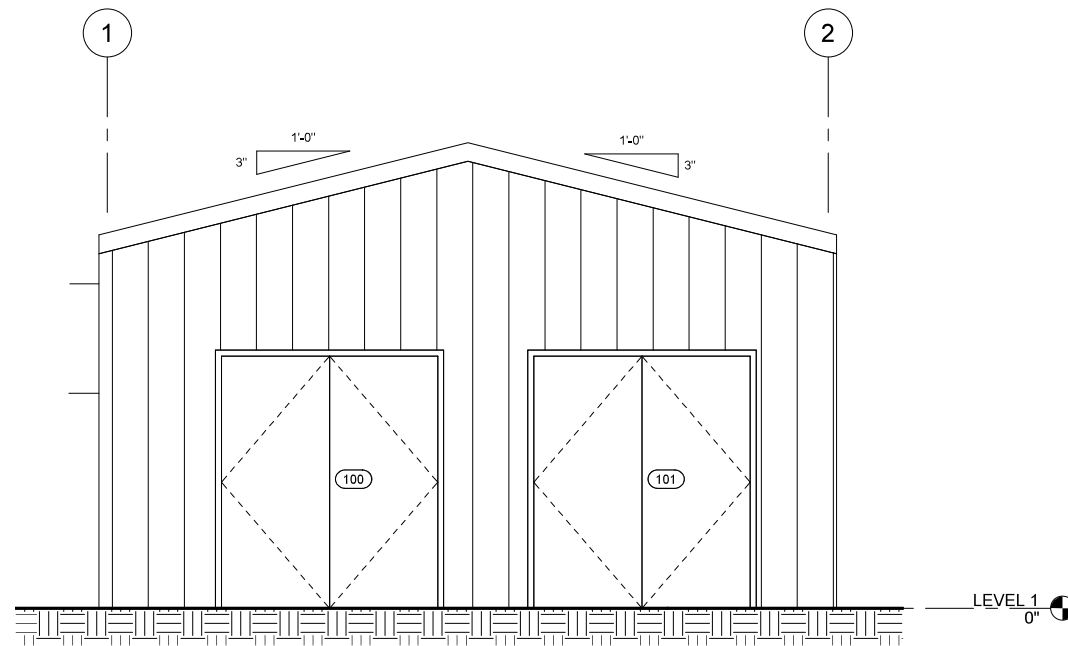
**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 DMSB DETAILS

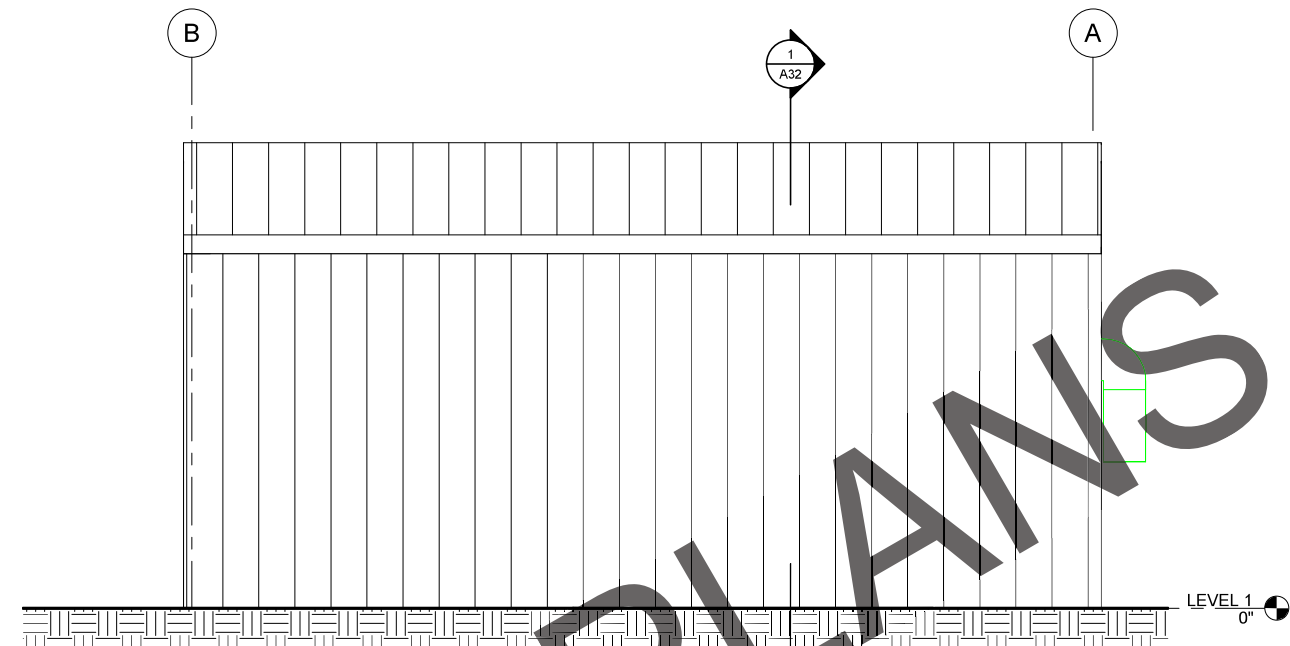
DATE: 03/05/2024  
 SHEET: A27 OF XX

Date Reviewed: 3/5/2024 7:05:46 PM  
 Drawn By: GEBB BUILDING ELEVATIONS  
 Checked By: Y-120212021035 - Valdez SREB and SSB/BIM/Valdez EEB Building.rvt  
 Designer: [ ]  
 Auditor: [ ]  
 Checker: [ ]

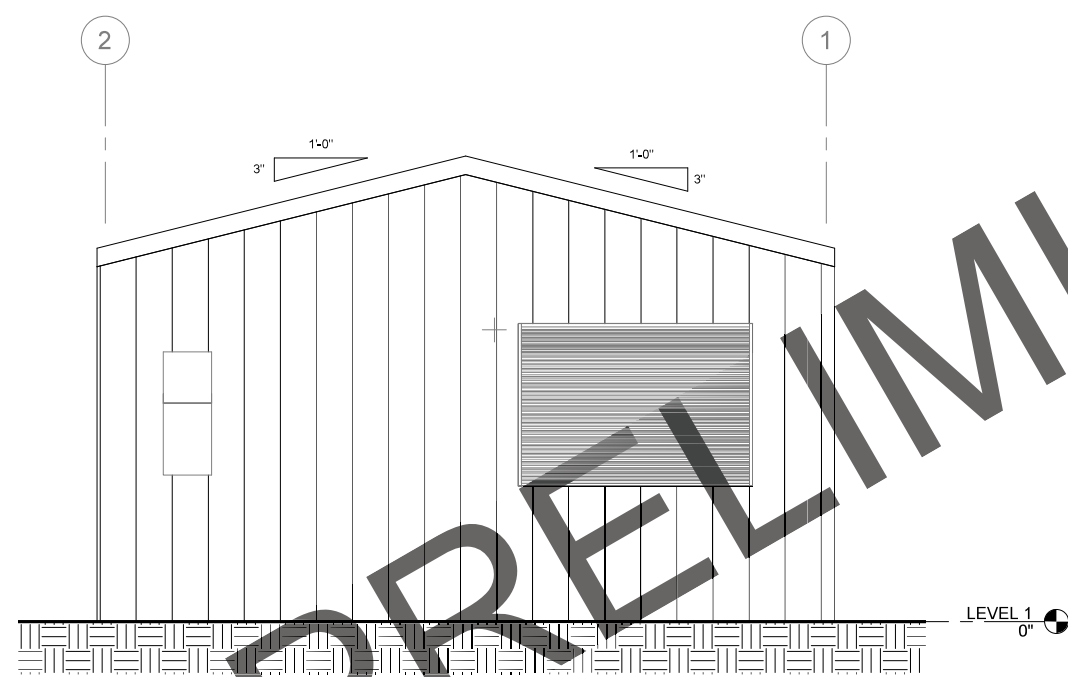
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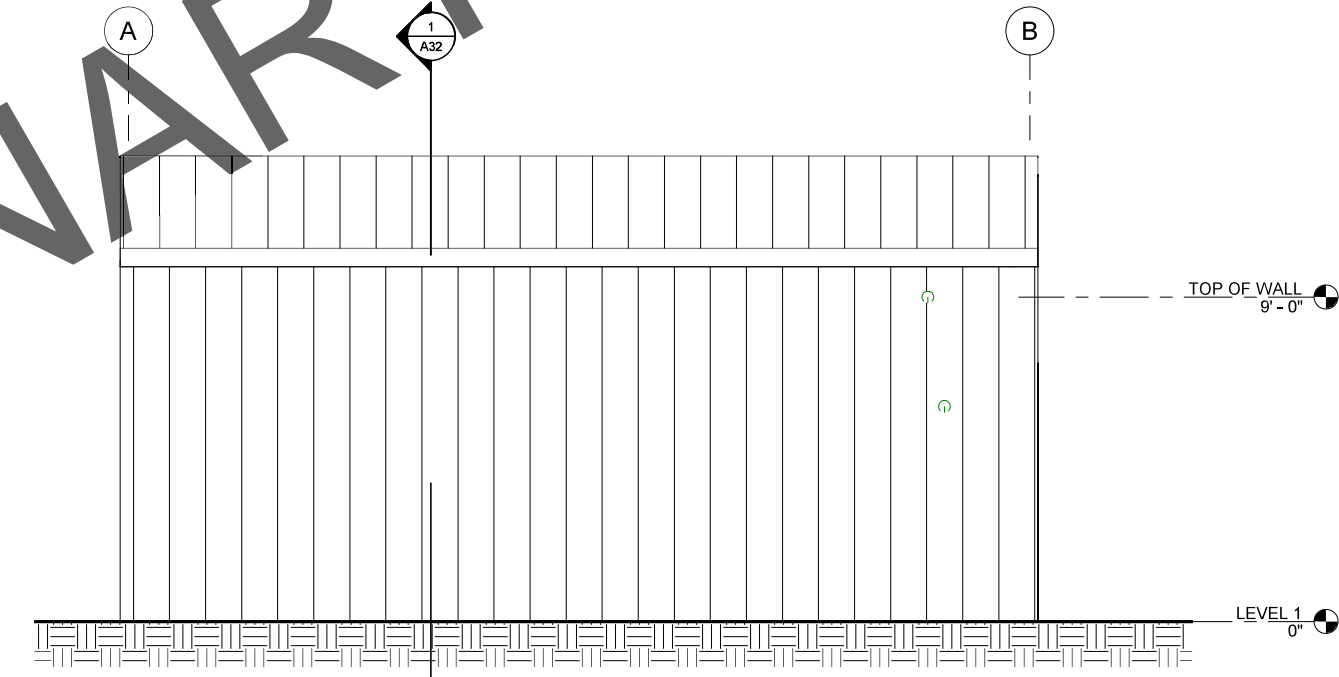
**1 SOUTH ELEVATION**  
 A31 3/8" = 1'-0"



**2 EAST ELEVATION**  
 A31 3/8" = 1'-0"



**3 NORTH ELEVATION**  
 A31 3/8" = 1'-0"



**4 WEST ELEVATION**  
 A31 3/8" = 1'-0"

PRELIMINARY PLANS

**95% FACILITY DESIGN**

DOCUMENTATION BY:  
 MCG EXPLORE DESIGN  
 CERT OF AUTH: AECC218

BY	DATE	REVISION

**STATE OF ALASKA**  
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**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

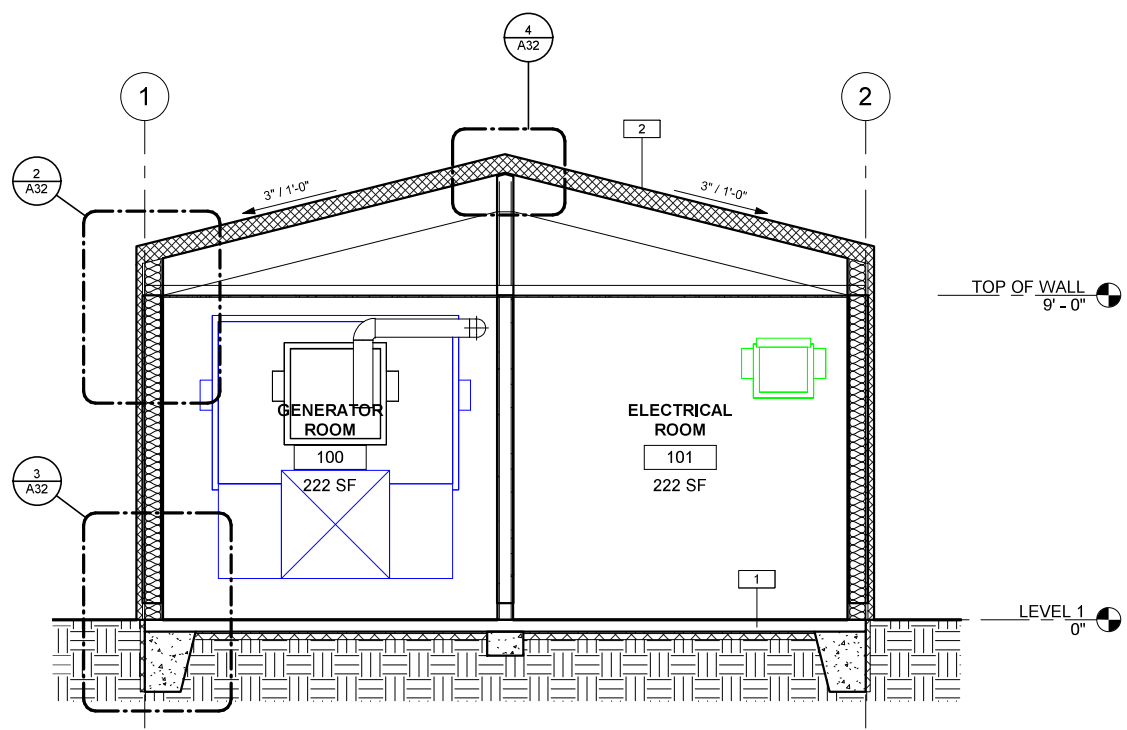
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 GEEB BUILDING ELEVATIONS

DATE:  
 03/05/2024  
 SHEET:  
 A31 OF XX

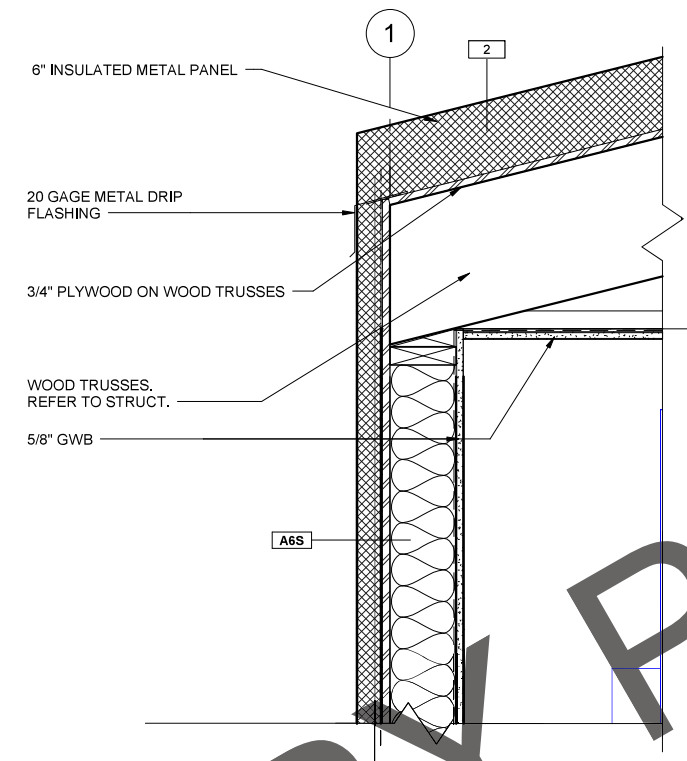


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 Designed By: Designer  
 Drawn By: Auditor  
 Checked By: Checker

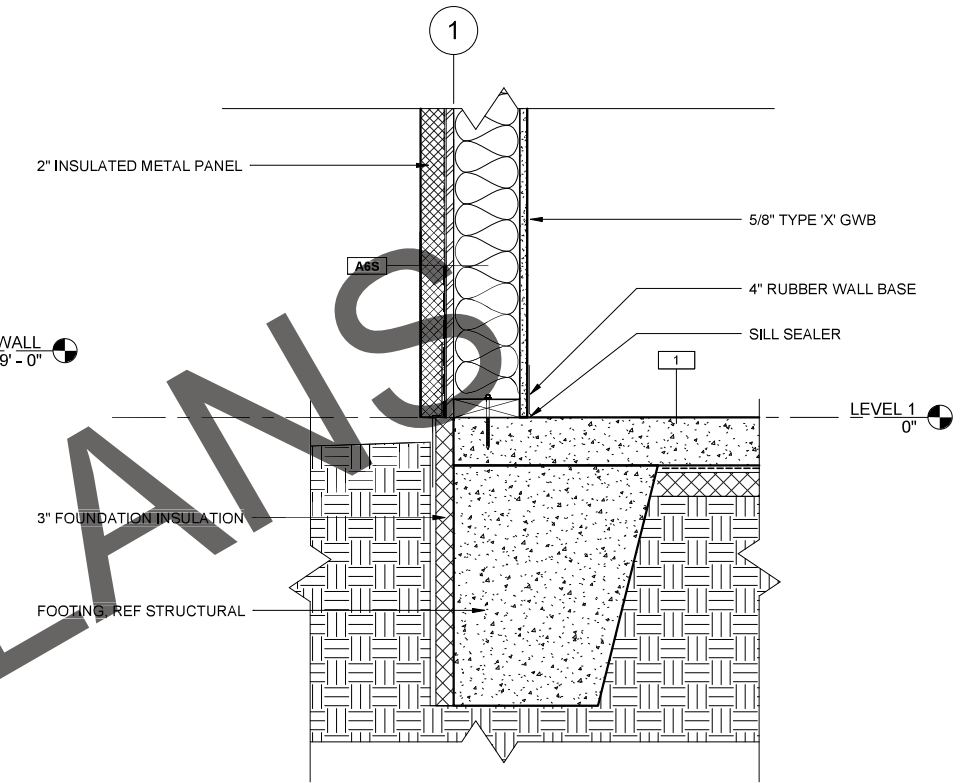
MCG PROJECT NUMBER: 2019035



**1 BUILDING SECTION**  
A32 3/8" = 1'-0"



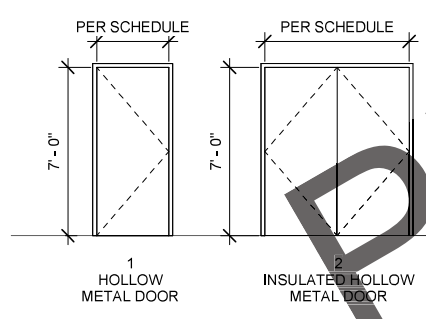
**2 ROOF EAVE DETAIL**  
A32 1 1/2" = 1'-0"



**3 WALL BASE DETAIL**  
A32 1 1/2" = 1'-0"

DOOR SCHEDULE										
DOOR #	WIDTH		HEIGHT	DOOR TYPE	ELEVATION	RATING	DETAILS			NOTES
	LEAF 1	LEAF 2					HEAD	JAMB	SILL	
100	3' - 0"	3' - 0"	7' - 0"	HM	ST-2		2/A33	2/A33	1/A33	INSULATED DOOR AND FRAME
100A	3' - 0"		7' - 0"	HM-1	ST-1	45 MIN.	3/A33	3/A33	4/A33	RATED DOOR AND FRAME
101	3' - 0"	3' - 0"	7' - 0"	HM	ST-2		2/A33	2/A33	1/A33	INSULATED DOOR AND FRAME

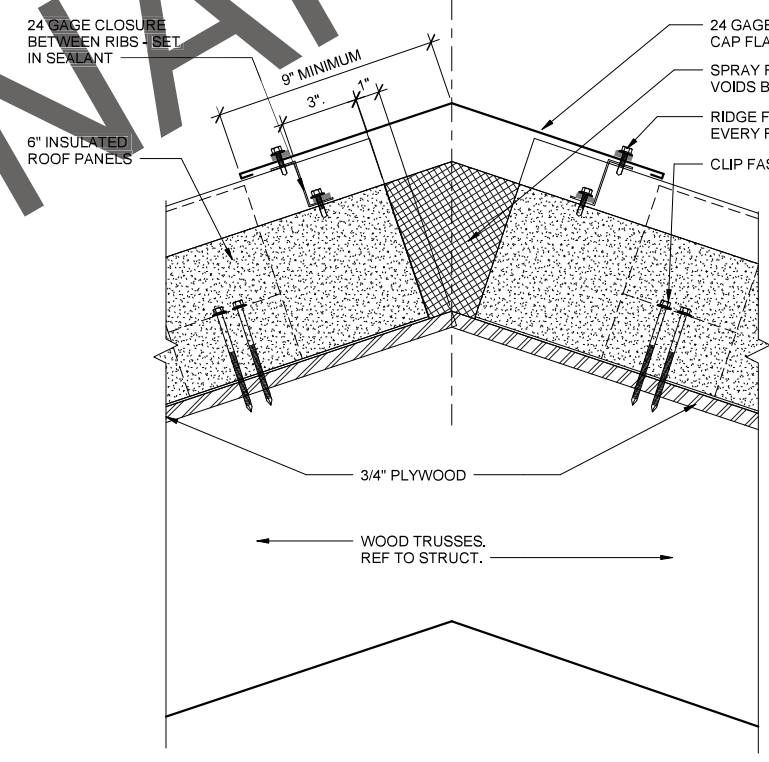
**DOOR TYPES**



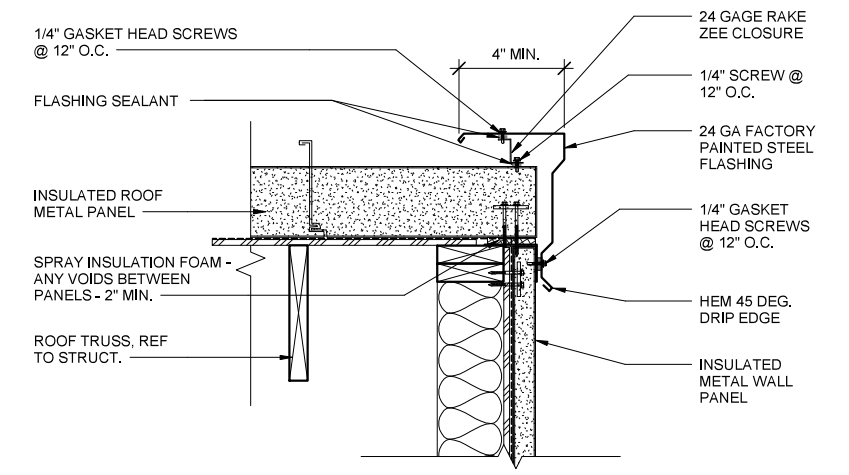
ROOM FINISH SCHEDULE								
ROOM NO.	ROOM NAME	FLOOR		WALLS				CEILING
		FINISH	BASE	NORTH	EAST	SOUTH	WEST	
100	GENERATOR ROOM	SC	RB	PT/GYP	PT/GYP	PT/GYP	PT/GYP	PT/GYP
101	ELECTRICAL ROOM	SC	RB	PT/GYP	PT/GYP	PT/GYP	PT/GYP	PT/GYP

FINISH ABBREVIATIONS:  
 SC SEALED CONCRETE  
 RB RUBBER BASE  
 PT PAINT - WHITE  
 GYP 5/8" TYPE X GYPSUM WALL BOARD

DOCUMENTATION BY:  
MCG EXPLORE DESIGN  
CERT OF AUTH: AECC218



**4 RIDGE**  
A32 3" = 1'-0"



**5 ROOF RAKE**  
A32 1 1/2" = 1'-0"

BY	DATE	REVISION

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 STATEWIDE PUBLIC FACILITIES

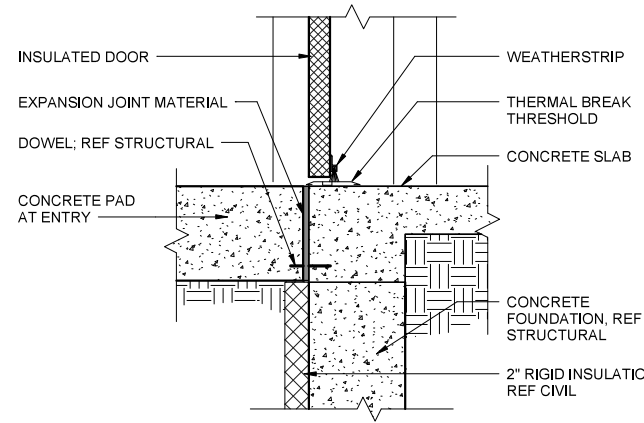
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 GEBB SECTION AND DETAILS

DATE:  
03/05/2024  
SHEET:  
A32 OF XX

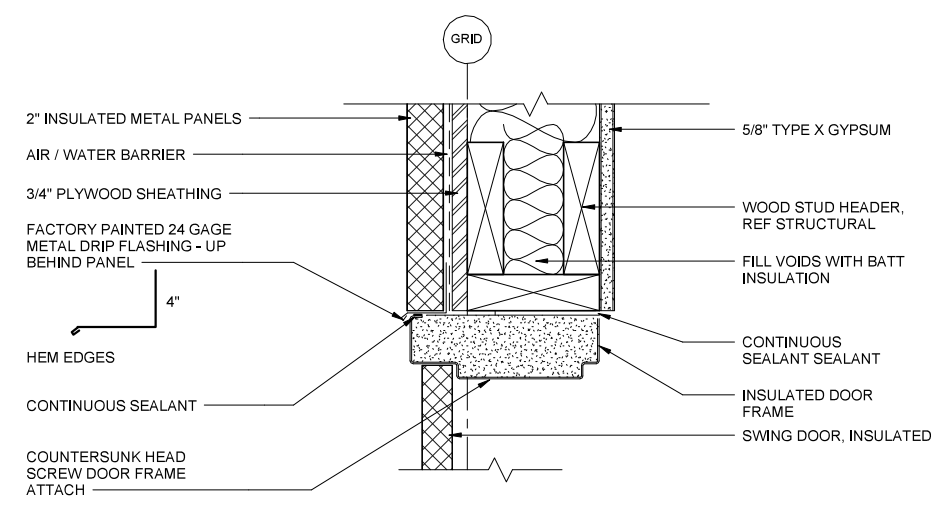
**95% FACILITY DESIGN**

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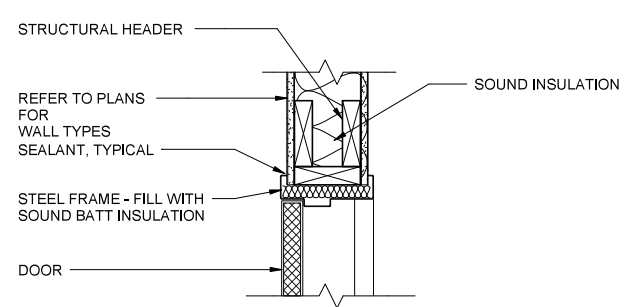
MCG PROJECT NUMBER: 2019035



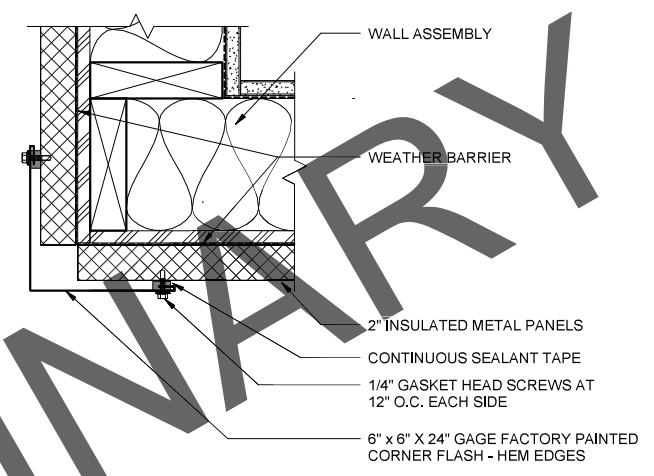
**1** EXTERIOR DOOR SILL  
A33 1 1/2" = 1'-0"



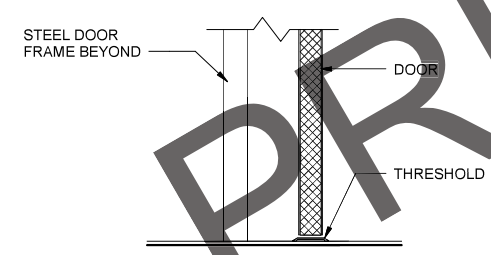
**2** EXTERIOR DOOR HEAD - JAMB SIMILAR  
A33 3" = 1'-0"



**3** INT. DOOR HEAD, JAMB SIM.  
A33 1 1/2" = 1'-0"



**5** CORNER  
A33 3" = 1'-0"



**4** INT. DOOR SILL  
A33 1 1/2" = 1'-0"

PRELIMINARY PLANS

**95% FACILITY DESIGN**

DOCUMENTATION BY:  
MCG EXPLORE DESIGN  
CERT OF AUTH: AECC218

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
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**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
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 PROJECT No. Z618600000  
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 GEEB DETAILS

DATE:  
03/05/2024  
 SHEET:  
A33 OF XX





Date Reviewed: 2/27/2024 9:08:37 PM  
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RMI PROJECT NUMBER: 402022.113

**GENERAL**

ALL CONSTRUCTION MUST COMPLY WITH THE 2021 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED AND ADOPTED BY THE STATE OF ALASKA.

**STRUCTURAL DESIGN DATA**

STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE IBC. RISK CATEGORY IS II FOR ALL THREE BUILDINGS IN ACCORDANCE WITH IBC SECTION 1604.5.

EACH STRUCTURE HAS BEEN DESIGNED FOR THE FOLLOWING OPERATIONAL LOADS ON THE COMPLETED STRUCTURES. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SHORING AND BRACING DURING CONSTRUCTION.

**SREB:**

- LIVE LOADS: SLAB ON GRADE VEHICLE LOADS = 250 PSF  
MEZZANINES = 125 PSF  
MECHANICAL AREAS = 125 PSF
- SNOW LOADS: GROUND SNOW (Pg) = 160 PSF  
Is=1.0, Ct=1.1, Ce=1.0  
ROOF SNOW (Ps) = 123 PSF
- WIND LOADS: BASIC WIND SPEED (3-SECOND GUST, Vw)=133 MPH, EXPOSURE C; INTERNAL PRESSURE GCpi=±0.55 (PARTIALLY ENCLOSED)
- SEISMIC LOADS: SITE CLASS D, SEISMIC DESIGN CATEGORY E, Ss=1.50, S1=0.77, Sds=1.20, Sd1=0.88, Ie=1.0, R=3.25 (ORDINARY STEEL CONCENTRICALLY BRACED FRAMES), GOVERNING Cs=0.369 ASSUMED FOUNDATION BASE SHEAR= TBD KIPS.

**DMSB:**

- LIVE LOADS: MECHANICAL AREAS = 300 PSF  
DE-ICING MATERIALS STORAGE AREAS = 2,500 PSF
- SNOW LOADS: GROUND SNOW (Pg) = 160 PSF  
Is=1.0, Ct=1.1, Ce=1.0  
ROOF SNOW (Ps) = 123 PSF + DRIFT (SEE OPEN WEB JOIST LOAD DIAGRAMS)
- WIND LOADS: BASIC WIND SPEED (3-SECOND GUST, Vw)=133 MPH, EXPOSURE C; INTERNAL PRESSURE GCpi=±0.55 (PARTIALLY ENCLOSED)
- SEISMIC LOADS: SITE CLASS D, SEISMIC DESIGN CATEGORY E, Ss=1.50, S1=0.77, Sds=1.20, Sd1=0.88, Ie=1.0, R=5.0 (SPECIAL REINFORCED CONCRETE SHEAR WALLS IN BEARING WALL SYSTEM, Ωo=2.5, Cd=5, p=1.0, Cs=0.240, BASE SHEARS: 96 KIPS EAST/WEST, 72 KIPS NORTH/SOUTH

**EEB:**

- LIVE LOADS: ALL AREAS = 300 PSF
- SNOW LOADS: GROUND SNOW (Pg) = 160 PSF  
Is=1.0, Ct=1.1, Ce=1.0  
ROOF SNOW (Ps) = 123 PSF BALANCED, 160/0 PSF UNBALANCED
- WIND LOADS: BASIC WIND SPEED (3-SECOND GUST, Vw)=133 MPH, EXPOSURE C; INTERNAL PRESSURE GCpi=±0.55 (PARTIALLY ENCLOSED)
- SEISMIC LOADS: SITE CLASS D, SEISMIC DESIGN CATEGORY E, Ss=1.50, S1=0.77, Sds=1.20, Sd1=0.88, Ie=1.0, R=6.5 (LIGHT-FRAME BEARING WALLS WITH WOOD SHEAR PANELS Ωo=3.0, Cd=4, p=1.0, Cs=0.185, BASE SHEAR: 2.8 KIPS

**FOUNDATIONS**

FOUNDATIONS ARE DESIGNED FOR A MAXIMUM SOIL BEARING PRESSURE OF 3,000 PSF UNDER SUSTAINED LOADING AND 4,000 PSF UNDER SHORT TERM LOADING SUCH AS WIND AND SEISMIC.

FOUNDATION SOILS MUST BE PREPARED IN ACCORDANCE WITH THE IBC AND THE PROJECT GEOTECHNICAL INVESTIGATION REPORT "GEOTECHNICAL REPORT - VALDEZ AIRPORT SREB AND DMSB PROJECT, VALDEZ, ALASKA", DATED 14 AUGUST 2023, BY R&M CONSULTANTS, INC.

REFER TO C-SHEETS AND GEOTECHNICAL REPORT FOR DEPTHS AND TYPES OF STRUCTURAL FILL BELOW FOOTINGS AND SLABS, AS WELL AS EXTENTS OF ALL EXCAVATIONS.

**EXISTING CONDITIONS**

CONTRACTOR MUST VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS PRIOR TO COMMENCING WORK. EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS IS INTENDED AS A GUIDELINE ONLY AND MUST BE VERIFIED. EXISTING CONDITIONS SHOWN ON DRAWINGS ARE BASED ON LIMITED SITE OBSERVATIONS AND PHOTOS AND ARE ASSUMED BASED ON EXPECTED CONDITIONS. IF EXISTING CONDITIONS DO NOT GENERALLY MATCH CONDITIONS SHOWN ON DRAWINGS NOTIFY THE DEPARTMENT PRIOR TO COMMENCING WORK.

**SPECIAL INSPECTION**

THE DEPARTMENT MUST ENGAGE A SPECIAL INSPECTOR PER CHAPTER 17 OF THE IBC. SEE STATEMENT OF SPECIAL INSPECTIONS ON SHEET S04. COPIES OF INSPECTION REPORTS MUST BE AVAILABLE TO THE CONSTRUCTION SITE FOR REVIEW BY THE DEPARTMENT.

**DELEGATED DESIGN SUBMITTALS**

THE FOLLOWING ITEMS ARE NOT INCLUDED IN THESE DRAWINGS AND REQUIRE STRUCTURAL DESIGN TO BE FURNISHED BY THE CONTRACTOR:

1. METAL BUILDING SYSTEM (SREB)
2. EXTERIOR CANOPIES (SREB ONLY)
3. PREFABRICATED STAIRS (SREB)
4. OPEN-WEB STEEL JOIST TRUSSES (DMSB)
5. ROOF ASSEMBLY FASTENING DESIGN FOR METAL ROOF ASSEMBLIES (DMSB & EEB)
6. SEISMIC ANCHORAGE OF MECHANICAL & ELECTRICAL EQUIPMENT (SREB, & DMSB, & EEB)

DRAWINGS AND CALCULATIONS FOR THE DELEGATED DESIGN ITEMS LISTED ABOVE MUST BE SEALED BY AN ALASKA STATE REGISTERED PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN. THEY MUST BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW FOR GENERAL CONFORMANCE TO THE CONTRACT DOCUMENTS PRIOR TO CONSTRUCTION. SUBMITTALS OF DELEGATED DESIGN ITEMS MUST INCLUDE LOCATIONS, MAGNITUDES, AND DIRECTIONS OF ALL FORCES TRANSFERRED TO THE STRUCTURE.

**SUBMITTALS**

THE CONTRACTOR MUST REVIEW, STAMP WITH THEIR APPROVAL, DATE AND SIGN ALL SHOP DRAWINGS AND SUBMITTALS REQUIRED BY THE CONTRACT DRAWINGS PRIOR TO SUBMITTAL TO THE ENGINEER. AT THE TIME OF SUBMISSION, THE CONTRACTOR MUST INFORM THE ENGINEER IN WRITING OF ANY DEVIATION IN THE SHOP DRAWINGS FROM THE REQUIREMENTS OF THE CONTRACT DRAWINGS. DIMENSIONS AND QUANTITIES ARE THE CONTRACTOR'S RESPONSIBILITY AND WILL NOT BE REVIEWED.

**METAL BUILDING SYSTEM (SREB)**

METAL BUILDING SYSTEM (MBS) MUST BE DESIGNED IN ACCORDANCE WITH MBMA'S "METAL BUILDINGS SYSTEMS MANUAL", 2021 IBC AND ASCE 7-16.

MBS DESIGN MUST LIMIT IMPOSED STRESSES IN ALL MEMBERS TO NO MORE THAN 0.9999 (FOUR SIGNIFICANT FIGURES) TIMES THE CAPACITY.

MBS PARTIALLY SUPPORTS INTERIOR MEZZANINE. REFER TO PLANS AND DETAILS.

EXTERIOR CANOPIES BY MBS SUPPLIER. NO POSTS OUTSIDE OF THE BUILDING ARE PERMITTED.

**STRUCTURAL CONCRETE**

- CAST-IN-PLACE CONCRETE:
  1. SLABS ON GRADE, THICKENED EDGE SLABS = 4,000 PSI
  2. CONVENTIONAL SUBSURFACE FOUNDATION WALLS AND FOOTINGS = 3,000 PSI
  3. ABOVE-GRADE WALLS = 4,000 PSI

REINFORCING BARS: ASTM A615, GRADE 60  
 WELDED WIRE REINFORCEMENT (WWR): 6x6-W1.4xW1.4  
 NON-SHRINK GROUT: NON-METALLIC, PER ASTM C1107.

**POST-INSTALLED ANCHORS**

- EXPANSION ANCHORS MUST BE ONE OF THE FOLLOWING (OR AN APPROVED EQUIVALENT):
  - HILTI "KWIK BOLT TZ2" (ESR-4266)
  - SIMPSON "STRONG-BOLT 2" (ESR-3437)
  - DEWALT "POWER-STUD+SD2" (ESR-2502)

- SCREW ANCHORS MUST BE ONE OF THE FOLLOWING (OR AN APPROVED EQUIVALENT):
  - HILTI "KH-EZ" (ESR-3027)
  - SIMPSON "TITEN HD" (ESR-2713)
  - ITW "TAPCON+" (ESR-3899)
  - DEWALT "SCREW-BOLT+" (ESR-3899)

- ADHESIVE ANCHORS FOR THREADED ROD AND REBAR MUST BE ONE OF THE FOLLOWING (OR AN APPROVED EQUIVALENT):
  - DEWALT "PURET110+" (ESR-3298)
  - HILTI "HIT-HY 200 SAFE SET" (ESR-3187)
  - EPCON "A7+" (ESR-3903)
  - SIMPSON "SET-XP" (ESR-2508)

**STRUCTURAL STEEL NOT BY MBS PROVIDER**

- MATERIALS:
  - WIDE FLANGES: ASTM A992
  - HSS (RECTANGULAR): ASTM A500 GRADE C
  - ROUND PIPE: ASTM A53 GRADE B
  - OTHER SHAPES & PLATES: ASTM A36 GRADE 36
  - BOLTS, WASHERS & NUTS: ASTM F3125, F436 & A563
  - WELDED HEADED STUDS: ASTM A108

STEEL EXPOSED TO WEATHER OR INDICATED AS GALVANIZED MUST BE HOT-DIP GALVANIZED.

**STRUCTURAL STEEL DECK (DMSB)**

STEEL DECK: 1.5"x16 GA TYPE B, ASTM A 653-SS, GRADE 50, G90 COATING.

FASTEN STEEL DECKING PER SCHEDULE: ROOF DECK Q-design = 1,144 PLF;  
 SUPPORTING STEEL: q7 PATTERN, 7/8-INCH DIAMETER VISUAL (1/2-INCH EFFECTIVE) PUDDLE WELDS AT 6-INCHES ON CENTER. SIDE LAPS: 1.5-INCH TOP SEAM WELDS @ 12-INCHES ON CENTER.

**STEEL JOISTS AND JOIST GIRDERS (DMSB)**

ROOF JOISTS MUST ACCOMMODATE THE VERTICAL AND AXIAL LOADS NOTED IN THE OPEN WEB JOIST LOAD DIAGRAMS AND MEET OR EXCEED THE FOLLOWING MIDSPAN VERTICAL DEFLECTION CRITERIA:

- SNOW LOAD DEFLECTION: L/240
- TOTAL DEFLECTION: L/180

**COLD FORMED STEEL**

COLD FORMED STEEL MUST MEET ASTM A1003 STRUCTURAL GRADE 50 TYPE H (Fy=50 KSI) FOR 14 GAUGE (68 MIL) OR 16 GAUGE (54 MIL) MEMBERS AND ASTM A1003 STRUCTURAL GRADE 33 TYPE H (Fy=33 KSI) FOR 18 GAUGE (43 MIL) AND LIGHTER MEMBERS.

UNLESS OTHERWISE INDICATED:

1. TRACKS MUST BE CONNECTED WITH (2) 0.157"x1 1/2" PAF TO CONCRETE SLAB NEAR EACH STUD, OR AN EQUIVALENT EQUAL SPACING;
2. OVERLAPPING STUDS OR BRACES MUST BE CONNECTED WITH THREE #8 SCREWS;
3. STUDS MUST BE CONNECTED TO TOP AND BOTTOM TRACKS WITH TWO #8 SCREWS, ONE AT EACH FLANGE;
4. BUILT-UP MEMBERS MUST BE STITCHED TOGETHER WITH #8 SCREWS AT EACH CORNER AT 6-INCHES ON-CENTER.

METAL STUD SHEAR WALLS FOR SREB MEZZANINE: 43 MIL STUDS, TRACKS, AND BLOCKING. UCN. BLOCK ALL PANEL EDGES WITH STIFFENED C-SHAPE STUDS OR A 43 MIL X 1-1/2" FLAT STRAP (INSTALLED BETWEEN THE METAL STUDS AND THE SHEATHING). FASTEN PLYWOOD SHEATHING TO METAL STUDS AND BLOCKING WITH #8 COUNTERSUNK SELF-DRILLING SCREWS WITH A MINIMUM HEAD DIAMETER OF 0.255-INCHES PER ASTM C1513.

**STRUCTURAL TIMBER**

- MATERIALS:
  - DIMENSIONAL LUMBER: HEM-FIR NO. 2 OR BETTER
  - GLUE-LAMINATED TIMBER: DF/DF, 24F-V8

WALL STUDS MUST BE SPACED AT 16-INCHES OC, UON.

WOOD PLATES OR SILLS MUST BE AWW 2X DIMENSIONAL LUMBER BOLTED TO FOUNDATIONS WITH 5/8-INCH DIAMETER ASTM A307 GALV BOLTS. MINIMUM EMBEDMENT MUST BE 7-INCHES AND MAXIMUM SPACING MUST BE 4-FEET ON-CENTER UNLESS OTHERWISE NOTED ON SHEAR WALL SCHEDULES.

PRE-MANUFACTURED HARDWARE BASIS OF DESIGN: SIMPSON STRONG-TIE

**STRUCTURAL WOOD SHEATHING**

- FLOOR SHEATHING (SREB): EXPOSURE 1, SPAN RATED 48/24, 1 1/8-INCH THICK
- WALL SHEATHING (SREB): EXPOSURE 1, SPAN RATED 32/16, 1/2-INCH THICK
- ROOF SHEATHING (EEB): EXPOSURE 1, SPAN RATED 48/24, 3/4-INCH THICK
- WALL SHEATHING (EEB): EXPOSURE 1, SPAN RATED 32/16, 1/2-INCH THICK (SREB), 3/4-INCH THICK

SREB MEZZANINE FLOOR DIAPHRAGM NAILING:  
 PANEL EDGES & WHERE NOTED AS DBN: 10d NAILS AT 6-INCHES ON-CENTER  
 INTERMEDIATE SUPPORTS: 10d @ 12-INCHES ON-CENTER  
 BLOCKING IS NOT REQUIRED.

EEB ROOF DIAPHRAGM NAILING:  
 BOUNDARY NAILING (NOTED AS DBN): 10d NAILS AT 4-INCHES ON-CENTER  
 PANEL EDGES NOT ALONG BOUNDARIES: 10d NAILS AT 6-INCHES ON-CENTER  
 INTERMEDIATE SUPPORTS: 10d @ 12-INCHES ON-CENTER  
 BLOCKING IS NOT REQUIRED.

**95% FACILITY DESIGN**

STATE OF ALASKA <b>DEPARTMENT OF TRANSPORTATION          AND PUBLIC FACILITIES</b> STATEWIDE PUBLIC FACILITIES			<b>VALDEZ AIRPORT</b> VALDEZ SNOW REMOVAL EQUIPMENT BUILDING & DEICING MATERIAL STORAGE BUILDING PROJECT No. Z618600000 AIP No. 3-02-0311-XXX-2024 GENERAL STRUCTURAL NOTES		DATE: 03/06/2024 SHEET: <b>S02 of S15</b> of ???
			BY	DATE	REVISION

DOCUMENTATION BY:  
 REID MIDDLETON, INC  
 CERT OF AUTH: AECC598

Date Revised: 2/27/2024 3:08:38 PM  
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 Checked By: C:\Users\mferro\Documents\Valdez-SREB\_S\_R2022C\_mferroZFERW.dwg  
 File Path & Name:

RMI PROJECT NUMBER: 402022.113

SPECIAL INSPECTION & TESTING SCHEDULE				
ITEM	C.I.	P.I.	REFERENCE STANDARD	REMARKS
PREFABRICATED ITEMS	X	X	IBC 1704.2.5	REQUIRED FOR STRUCTURAL LOAD-BEARING OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES
<b>SOILS</b>			IBC 1705.6, TABLE 1705.6	
VERIFY: - MATERIAL BELOW FOUNDATIONS ARE ADEQUATE FOR BEARING CAPACITY - EXCAVATION DEPTH AND PROPER MATERIAL REACHED BY DEPTH - PRIOR TO COMPACTED FILL, OBSERVE SUBGRADE AND SITE PREPARATION		X		PRIOR TO REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, THE SOILS ENGINEER SHALL INSPECT AND APPROVE THE FOUNDATION EXCAVATIONS
VERIFY USE OF PROPER MATERIALS DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X			
PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS	T			ONLY IF TOTAL CONTROLLED FILL DEPTH IS MORE THAN 12-INCHES
<b>CONCRETE:</b>			ACI 318-14, 301-16, 302.1R-15, ACI 311.1R-07; ACI 311.4R-05; IBC 1705.3, TABLE 1705.3	
REINFORCING MATERIALS AND PLACEMENT		X	ACI 318: Ch.20, 25.2, 25.3, 26.6.1-26.6.3	
INSPECTION OF FORMWORK FOR SHAPE, LOCATION & DIMENSIONS		X	ACI 318 26.11.2(b)	
ANCHOR RODS, EMBEDDED BOLTS & INSERTS		X	ACI 318 17.8.2	
USE OF REQUIRED MIX DESIGN		X	ACI 318: Ch.19, 26.4.3, 26.4.4; ACI 304R-00; IBC 1904.1, 1904.2	
CONCRETE SLUMP, AIR CONTENT, TEMPERATURE & PREPARATION OF STRENGTH TEST SPECIMENS	T		ASTM: C172, C31; ACI 318: 26.5, 26.12; ACI 311.5-04	PROVIDE TEST ONCE EVERY 150 CY, OR EACH 5,000 SQ-FT OF SLABS OR WALLS, BUT AT LEAST ONCE A DAY DURING PLACEMENT, SEE NOTE 4.
CONCRETE PLACEMENT	X		ACI 318 26.5; ACI 304.2R-17	
CONCRETE CURING		X	ACI 318 26.5; ACI 308R-16	MAINTAIN PROPER TEMPERATURE AND CURING TECHNIQUE.
PROTECTION OF CONCRETE DURING COLD WEATHER (TEMPERATURE BELOW 40° F) OR HOT WEATHER (TEMPERATURE ABOVE 90° F)		X	ACI 318 26.5.4, 26.5.5; ACI 306R-16; ACI 305R-20	
IN-SITU CONCRETE STRENGTH FOR FORM REMOVAL		T	ACI 318 26.11.2	FOR ABOVE-GRADE CONCRETE WALLS ONLY.
<b>COLD-FORMED STEEL FRAMING:</b>			AISI: S100-16; IBC: 1705.11.2, 1705.12.3	SPECIAL INSPECTION ONLY REQUIRED WHEN METAL STUDS USED AS PART OF THE LATERAL FORCE RESISTING SYSTEM
MATERIAL GRADE, MEMBER SIZE & GAGE		X		
DETAILS OF COLD-FORMED FRAMING		X		BLOCKING, CONNECTIONS, BRIDGING, BEARING, HANGERS
SCREWING OF ALL SHEAR WALLS AND ROOF DIAPHRAGMS		X		INCLUDING GAUGE OF FRAMING. SEE NOTE 5
SIZES AND LOCATIONS OF ALL HOLDDOWNS		X		
SIZES, LOCATIONS OF ALL STRAPS AND BRACES		X		
SIZES, SPACINGS OF SILL ANCHORS		X		
CONNECTIONS ALONG DRAG STRUTS		X		
<b>WOOD:</b>			2018 NDS; 2015 SDPWS; 2018 IBC: 1705.5, 1705.11.1, 1705.12.2	
GRADE STAMPS ON SHEATHING		X		
NAILING OF ALL SHEAR WALLS AND ROOF DIAPHRAGMS		X	IBC 1705.11.1	INCLUDING SIZE OF FRAMING AT PANEL EDGES. SEE NOTE 5 FOR EXCEPTIONS.
SIZES AND LOCATIONS OF ALL HOLDDOWNS		X		
SIZES, LOCATIONS OF ALL STRAPS		X		
SIZES, SPACINGS OF SILL BOLTING		X		
NAILING ALONG DRAG STRUTS		X		
<b>ADDITIONAL SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE</b>			IBC 1705.12	
ANCHORAGE OF EMERGENCY OR STANDBY POWER UNITS		X	IBC 1705.12.6 (1)	
INSTALLATION OF PIPING OR HVAC DUCTWORK CARRYING FLAMMABLE, COMBUSTIBLE OR HIGHLY TOXIC MATERIALS		X	IBC 1705.12.6 (3) & (4)	
REQUIRED CLEARANCES ARE MET FOR INSTALLATION OF ALL MEP EQUIPMENT IF FIRE SPRINKLER SYSTEM INSTALLED		X	IBC: 1705.12.6 (6), 6.1 & 6.2 ASCE 7-16: 13.2.3	INSPECTION NOT REQUIRED IF FLEXIBLE SPRINKLER HOSE FITTINGS ARE USED.
SPRAYED FIRE-RESISTANT MATERIALS		X	IBC 1705.14; ASTM E605, E736	SURFACE PREPARATION, TEMPERATURE, VENTILATION, & AVERAGE THICKNESS PER DESIGN AND MANUFACTURER; DENSITY, BOND STRENGTH
MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS		X	IBC 1705.15; AWC1 12-B	
SMOKE CONTROL		X	IBC 1705.18	
<b>SCHEDULE NOTES:</b>				
1. ITEMS MARKED WITH AN "X" REQUIRE INSPECTION BY A SPECIAL INSPECTOR, ITEMS INDICATED WITH A "T" REQUIRE THE SPECIAL INSPECTOR TO OBSERVE QUALITY CONTROL TESTING BY THE CONTRACTOR. 2. C.I. = CONTINUOUS SPECIAL INSPECTION DURING PROGRESS OF WORK. 3. P.I. = PERIODIC SPECIAL INSPECTION DURING PROGRESS OF WORK. 4. WHEN TOTAL QUANTITY OF A GIVEN CLASS OF CONCRETE IS LESS THAN 5 CY, STRENGTH TESTS ARE NOT REQUIRED. 5. SPECIAL INSPECTION NOT REQUIRED FOR SHEAR WALLS OR DIAPHRAGMS, INCLUDING BOLTING, HOLDDOWNS AND OTHER FASTENINGS, WHEN SHEATHING IS ON ONE SIDE ONLY AND SPACING OF NAILS IS MORE THAN 4-INCHES ON-CENTER.				

**STATEMENT OF SPECIAL INSPECTIONS**

THE FOLLOWING STRUCTURAL SYSTEMS ARE PART OF THE DESIGNATED LATERAL FORCE RESISTING SYSTEMS FOR EACH BUILDING AND HENCE ARE SUBJECT TO THE REQUIREMENTS OF THIS STATEMENT OF SPECIAL INSPECTIONS AND THE STRUCTURAL SPECIAL INSPECTION AND TESTING SCHEDULE IN ACCORDANCE WITH IBC SECTION 1704.3.

- CONCRETE FOUNDATIONS (SREB, DMSB, EEB)
- METAL DECK ROOF DIAPHRAGMS (DMSB)
- CONCRETE SHEAR WALLS (DMSB)
- WOOD STUD SHEAR WALLS (SREB MEZZANINE, EEB)
- WOOD DIAPHRAGMS (SREB MEZZANINE, EEB ROOF)
- MBS STRUCTURAL STEEL FRAME (SREB)

**SPECIAL INSPECTIONS AND TESTING**

THE OWNER SHALL ENGAGE A SPECIAL INSPECTOR PER CHAPTER 17 OF THE IBC. SPECIAL INSPECTION AND TESTING OF THE DESIGNATED SEISMIC SYSTEMS AND OTHER BUILDING STRUCTURE COMPONENTS SHALL BE AS OUTLINED IN THE SPECIAL INSPECTIONS AND TESTING SCHEDULE. WHERE REQUIREMENTS OVERLAP, THE MORE STRINGENT IS TO BE USED.

**DISTRIBUTION OF REPORTS**

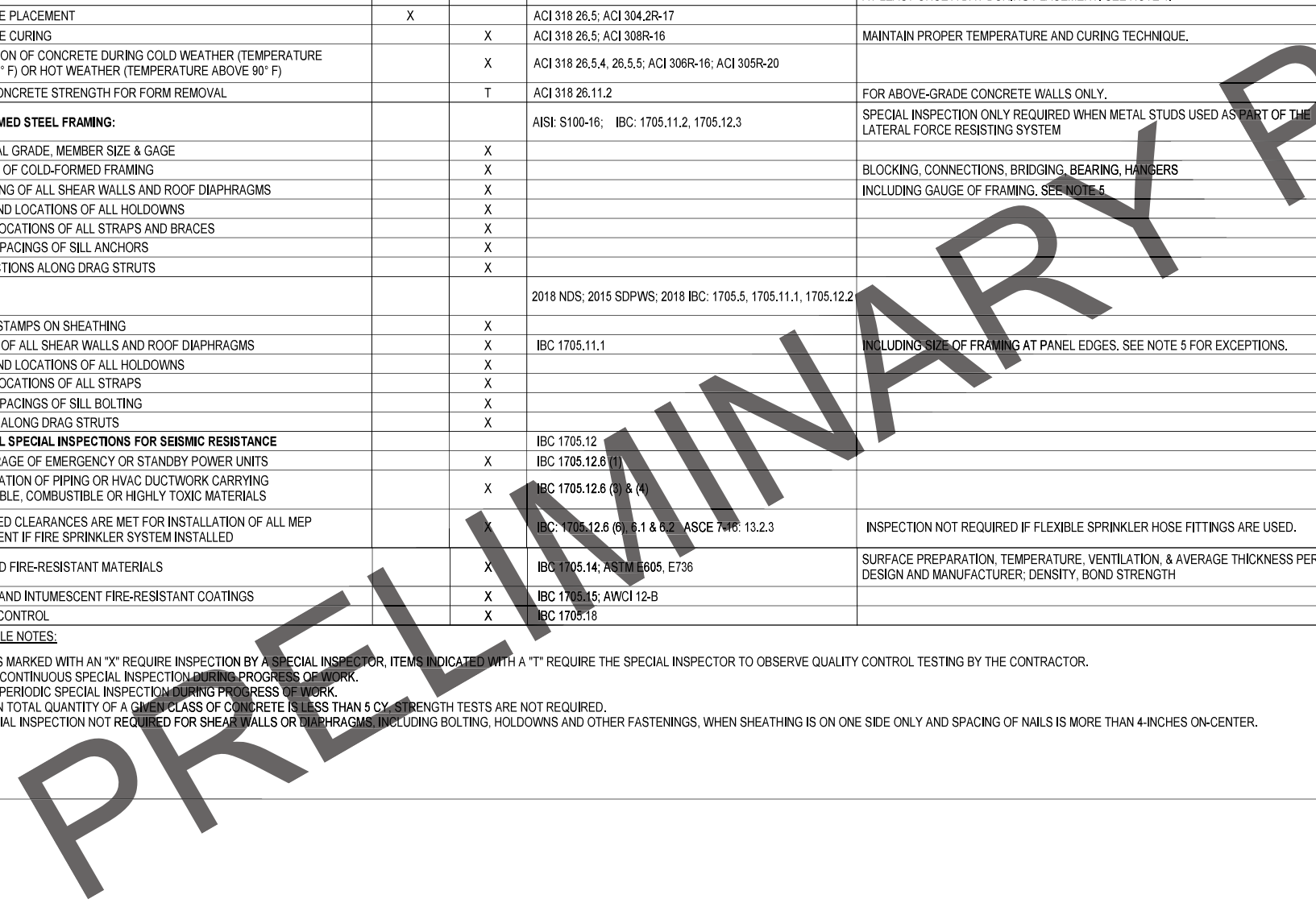
COPIES OF THE SPECIAL INSPECTION AND TEST REPORTS SHALL BE DISTRIBUTED TO THE PROJECT ENGINEER, THE GENERAL CONTRACTOR, AND THE ENGINEER OF RECORD. REPORTS SHALL BE COMPLETED DAILY AND DISTRIBUTED ON A WEEKLY BASIS AND SHALL BE DISTRIBUTED BY THE MONDAY FOLLOWING THE WEEK IN WHICH THE INSPECTION OR TEST WAS COMPLETED. A COPY OF ALL SPECIAL INSPECTION REPORTS, DEFICIENCIES, AND CORRECTIVE ACTIONS SHALL BE MAINTAINED AT THE JOB SITE.

**STRUCTURAL OBSERVATIONS**

STRUCTURAL OBSERVATIONS ARE REQUIRED PER IBC 1704.6. SITE VISITS BY THE ENGINEER OF RECORD OR A REGISTERED ENGINEER APPROVED BY THE ENGINEER OF RECORD SHALL BE MADE ON A PERIODIC BASIS AT CRITICAL STAGES OF CONSTRUCTION TO MAKE VISUAL OBSERVATIONS OF THE CONSTRUCTION FOR GENERAL CONFORMANCE TO THE CONSTRUCTION DOCUMENTS. COPIES OF THE OBSERVATION REPORTS SHALL BE DISTRIBUTED WITHIN 2 WORKING DAYS OF THE SITE VISIT TO THE PROJECT ENGINEER, GENERAL CONTRACTOR, AND TO THE SPECIAL INSPECTOR INVOLVED IN ANY ISSUES RAISED IN THE REPORT.

**CONTRACTOR STATEMENT OF RESPONSIBILITY**

CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE DEPARTMENT, IN ACCORDANCE WITH IBC 1704.4. THE STATEMENT SHALL ACKNOWLEDGE AWARENESS OF THE SPECIAL REQUIREMENTS OF THE QUALITY ASSURANCE PLAN, ACKNOWLEDGE THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS, IDENTIFY PROCEDURES FOR EXERCISING CONTROL, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF REPORTS, AND IDENTIFY PERSONS THAT WILL EXERCISE CONTROL AND THEIR QUALIFICATIONS.



**95% FACILITY DESIGN**

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 GENERAL SPECIAL INSPECTIONS & TESTING

DATE:  
 03/06/2024  
 SHEET:  
**S03 of S15**  
 2 of ???

DOCUMENTATION BY:  
 REID MIDDLETON, INC  
 CERT OF AUTH: AECC598



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 Drawn By: Author  
 Checked By: Checker  
 STEEL SPECIAL INSPECTIONS & TESTING  
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RMI PROJECT NUMBER: 402022.113

ITEM	QC (NOTE S12)		QA (NOTE S13)		STEEL SPECIAL INSPECTION & TESTING SCHEDULE	
	TASK	DOC	TASK	DOC	REFERENCE STANDARD	REMARKS
<b>STEEL:</b>					AISC: 360-16, 341-16, 348-14, 303-16, 358-16; 2018 IBC: 1705.2	
VISUAL INSPECTION PRIOR TO WELDING:					AISC: 341-16 TABLE J6.1; 360-16 TABLE N5.4-1; AWS D1.1	
WELDING PROCEDURE SPECIFICATIONS (WPS'S) AVAILABLE	P	-	P	-		
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	P	-	P	-		
MATERIAL IDENTIFICATION (TYPE/GRADE)	O	-	O	-		
WELDER IDENTIFICATION SYSTEM	O	-	O	-		
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)	P/O	-	O	-		JOINT PREPARATION, DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL), CLEANLINESS (CONDITION OF STEEL SURFACES), TACKING (TACK WELD QUALITY AND LOCATION), AND BACKING TYPE AND FIT (IF APPLICABLE) - NOTE S15
CONFIGURATION AND FINISH OF ACCESS HOLES	O	-	O	-		
FIT-UP OF FILLET WELDS	P/O	-	O	-		DIMENSIONS (ALIGNMENT, GAPS AT ROOT), CLEANLINESS (CONDITION OF STEEL SURFACES), TACKING (TACK WELD QUALITY AND LOCATION) - NOTE S15
CHECK WELDING EQUIPMENT	O	-	-	-		
VISUAL INSPECTION DURING WELDING:					AISC: 341-16 TABLE J6.2, 360-16 TABLE N5.4-2; AWS D1.1	
WPS FOLLOWED	O	-	O	-		SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, SELECTED WELDING MATERIALS, SHIELDING GAS TYPE / FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED (MIN/MAX), PROPER POSITION (F, V, H, OH), INTERMIX OF FILLER MATERIALS AVOIDED UNLESS APPROVED
USE OF QUALIFIED WELDERS	O	-	O	-		
CONTROL AND HANDLING OF WELDING CONSUMABLES	O	-	O	-		PACKAGING, EXPOSURE CONTROL
ENVIRONMENTAL CONDITIONS	O	-	O	-		WIND SPEED WITHIN LIMITS, PRECIPITATION AND TEMPERATURE
WELDING TECHNIQUES	O	-	O	-		INTERPASS AND FINAL CLEANING, EACH PASS WITHIN PROFILE LIMITATIONS, EACH PASS MEETS QUALITY REQUIREMENTS
NO WELDING OVER CRACKED TACK WELDS	O	-	O	-		
VISUAL INSPECTION AFTER WELDING:					AISC: 341-16 TABLE J6.3, 360-16 TABLE N5.4-3	
WELDS CLEANED	O	-	O	-		
SIZE, LENGTH AND LOCATION OF WELDS	P	-	P	-		
WELDS MEET VISUAL ACCEPTANCE CRITERIA	P	D	P	D		CRACK PROHIBITION, WELD/BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES AND SIZE, UNDERCUT, POROSITY
ARC STRIKES	P	-	P	-		
PLACEMENT OF REINFORCING OR CONTOURING FILLET WELDS (IF REQUIRED)	P	D	P	D		
BACKING REMOVED, WELD TABS REMOVED AND FINISHED, AND FILLED WELDS ADDED (IF REQUIRED)	P	D	P	D		
REPAIR ACTIVITIES	P	-	P	D		
ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	P	D	P	D		
NONDESTRUCTIVE TESTING (NDT) OF WELDED JOINTS:						
K-AREA	P	-	T	D	AISC: 341-16 TABLE J6.3; AWS: D1.1; ASTM: E709-15 MAG PARTICLE, YOKE METHOD	NDT IS REQUIRED ON ALL QUALIFYING WELDS REGARDLESS IF SHOP IS AISC APPROVED WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES, OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3-INCHES OF WELD & MAG-PARTICLE TEST
COMPLETE JOINT PENETRATION GROOVE WELDS	-	-	T	D	AISC: 341-16 J6.2b; AWS: D1.1; ULTRASONIC, QUALIFIED PROCEDURES PER SECTION 6, PART P (INCLUDING PARAGRAPH K3 OF ANNEX K)	100 PERCENT OF WELDS IN MATERIAL GREATER THAN 5/16-INCH THICKNESS, NOTE S14
BASE METAL THICKER THAN 1.5-INCHES	-	-	T	D	AISC: 341-16 J6.2c; AWS D1.1	ULTRASONIC TEST WHERE THE WELDED MATERIAL IS GREATER THAN 3/4", NOTE S14
BEAM COPE & ACCESS HOLES ON HEAVY STEEL	-	-	T	D	AISC: 341-16, J6.2d; AWS D1.1	MAG PARTICLE TEST WHERE FLANGE OR WEB THICKNESS EXCEEDS 1 1/2"
WELD TAB REMOVAL SITES	-	-	T	D	AISC: 341-16, J6.2f; AWS D1.1	MAG PARTICLE TEST
INSPECTION PRIOR TO BOLTING:					AISC: 341-16 TABLE J7.1; 360-16 TABLE N5.6-1	
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	O	-	P	-		
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	O	-	O	-		
PROPER FASTENERS SELECTED FOR THE JOINT DETAIL	O	-	O	-		GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE
PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	O	-	O	-		
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O	-	O	-		
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED FOR FASTENER ASSEMBLIES AND METHODS USED	P	D	O	D		
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	O	-	O	-		
INSPECTION DURING BOLTING:					AISC: 341-16 TABLE J7.2; 360-16 TABLE N5.6-2	
FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED), ARE POSITIONED AS REQUIRED	O	-	O	-		
JOINT BROUGHT TO THE SNUG TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	O	-	O	-		
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	O	-	O	-		
BOLTS ARE PRETENSIONED PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	O	-	O	-		FASTENERS PRETENSIONED IN ACCORDANCE WITH RCSC SPECIFICATION
INSPECTION AFTER BOLTING:					AISC: 341-16 TABLE J7.3; 360-16 TABLE N5.6-3	
DOCUMENT ACCEPTED AND REJECTED CONNECTIONS	P	D	P	D		
STEEL DECK					2021 IBC: 1705.2.2; SDI: 2017 QA/QC TABLES 1.1 THRU 1.8.	
IDENTIFICATION OF MATERIALS CONFORM TO ASTM STANDARDS SPECIFIED			O			
MANUFACTURER'S CERTIFIED TEST REPORTS			O			
PLACEMENT AND INSTALLATION OF STEEL DECK	P	-	P	-		
FLOOR AND ROOF WELDS	P		P		AWS: D1.3	
ACCEPTANCE OR REJECTION OF STEEL ELEMENTS	P	D	P	D		

**STEEL INSPECTION AND TESTING SCHEDULE NOTES**

**S-NOTES**

10. SCHEDULE APPLIES TO ALL STEEL, INCLUDING DELEGATED DESIGN DEFERRED SUBMITTALS.

11. ITEMS INDICATED WITH A "T" REQUIRE TESTING, WITH A "D" REQUIRE SPECIFIC DOCUMENTATION, WITH AN "O" SHALL BE OBSERVED ON A RANDOM BASIS, AND WITH A "P" SHALL BE PERFORMED ON EACH CONNECTION AS DESCRIBED IN AISC 360 N.5.4.

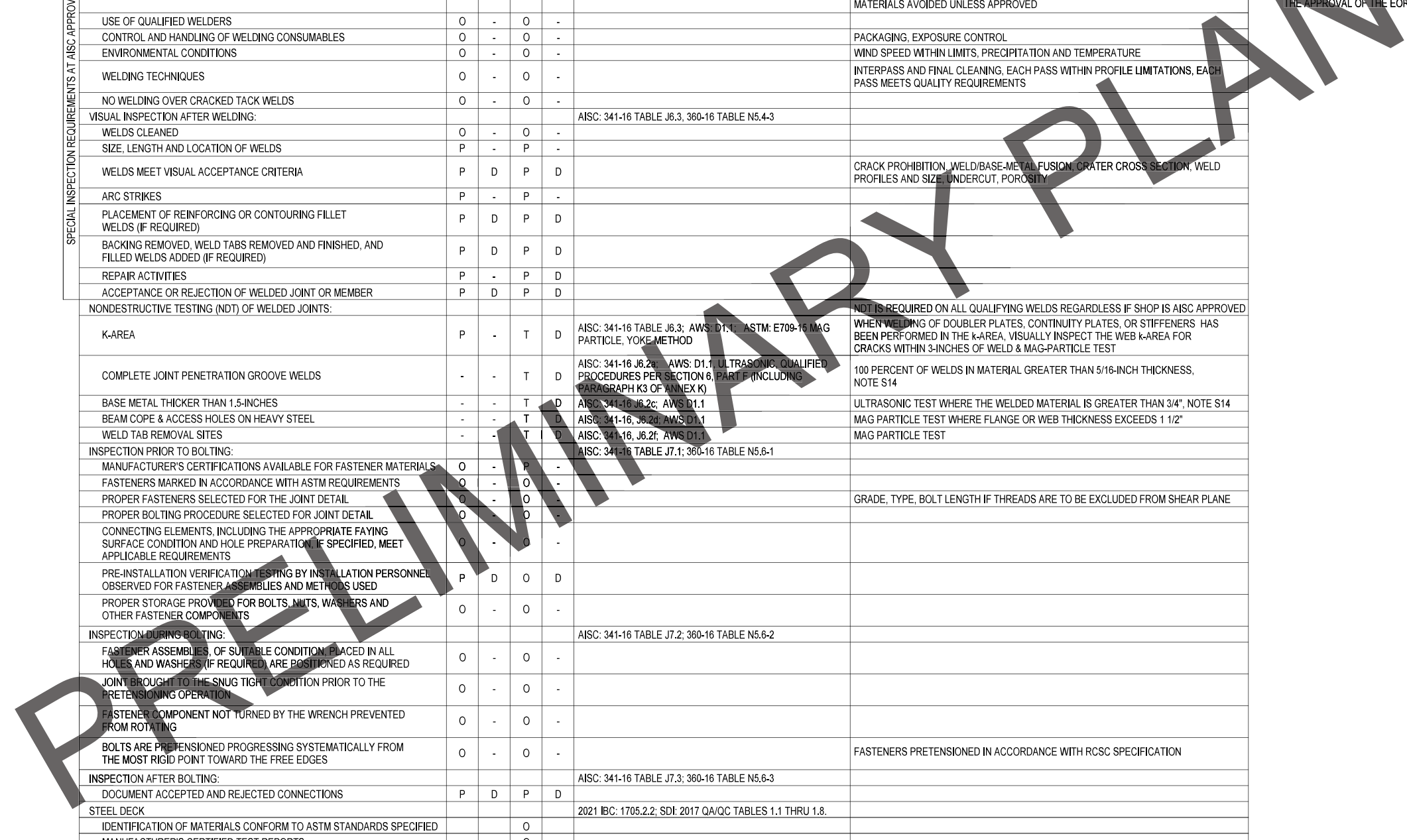
12. QUALITY CONTROL (QC) IS PERFORMED BY THE CONTRACTOR PER AISC 360 N.5.1.

13. QUALITY ASSURANCE (QA) IS PERFORMED BY THE SPECIAL INSPECTOR PER AISC 360 N.5.2.

14. THE AMOUNT OF ULTRASONIC TESTING MAY BE REDUCED TO 25 PERCENT OF THE WELDS IF THE REQUIREMENTS OF AISC 341 J6.2g & AISC 360 N5.5e ARE MET. THE AMOUNT OF MAG-PARTICLE TESTING MAY BE REDUCED TO 10 PERCENT OF THE WELDS IF THE REQUIREMENTS OF AISC 341 J6.2h ARE MET. EXCEPTIONS: REDUCTION IS PROHIBITED AT WELDS IN K-AREAS, REPAIR SITES, BACKING REMOVAL SITES, ACCESS HOLES, AND DEMAND-CRITICAL WELDS.)

15. THE "PERFORM" REQUIREMENT MAY BE REDUCED TO "OBSERVE" IF AFTER 10 WELDS, A GIVEN WELDER HAS DEMONSTRATED UNDERSTANDING OF THESE REQUIREMENTS. IF THE WELDER'S PERFORMANCE IS DISCONTINUED, IT SHALL BE RETURNED TO A "PERFORM" QUALITY CONTROL INSPECTION.

16. WHERE A TASK IS STIPULATED TO BE PERFORMED BY BOTH QC AND QA, COORDINATION OF THE INSPECTION FUNCTION BETWEEN QC AND QA IS PERMITTED. WHEN QA RELIES UPON INSPECTIONS PERFORMED BY QC, THE APPROVAL OF THE EOR IS REQUIRED.



DOCUMENTATION BY:  
 REID MIDDLETON, INC  
 CERT OF AUTH: AECC598

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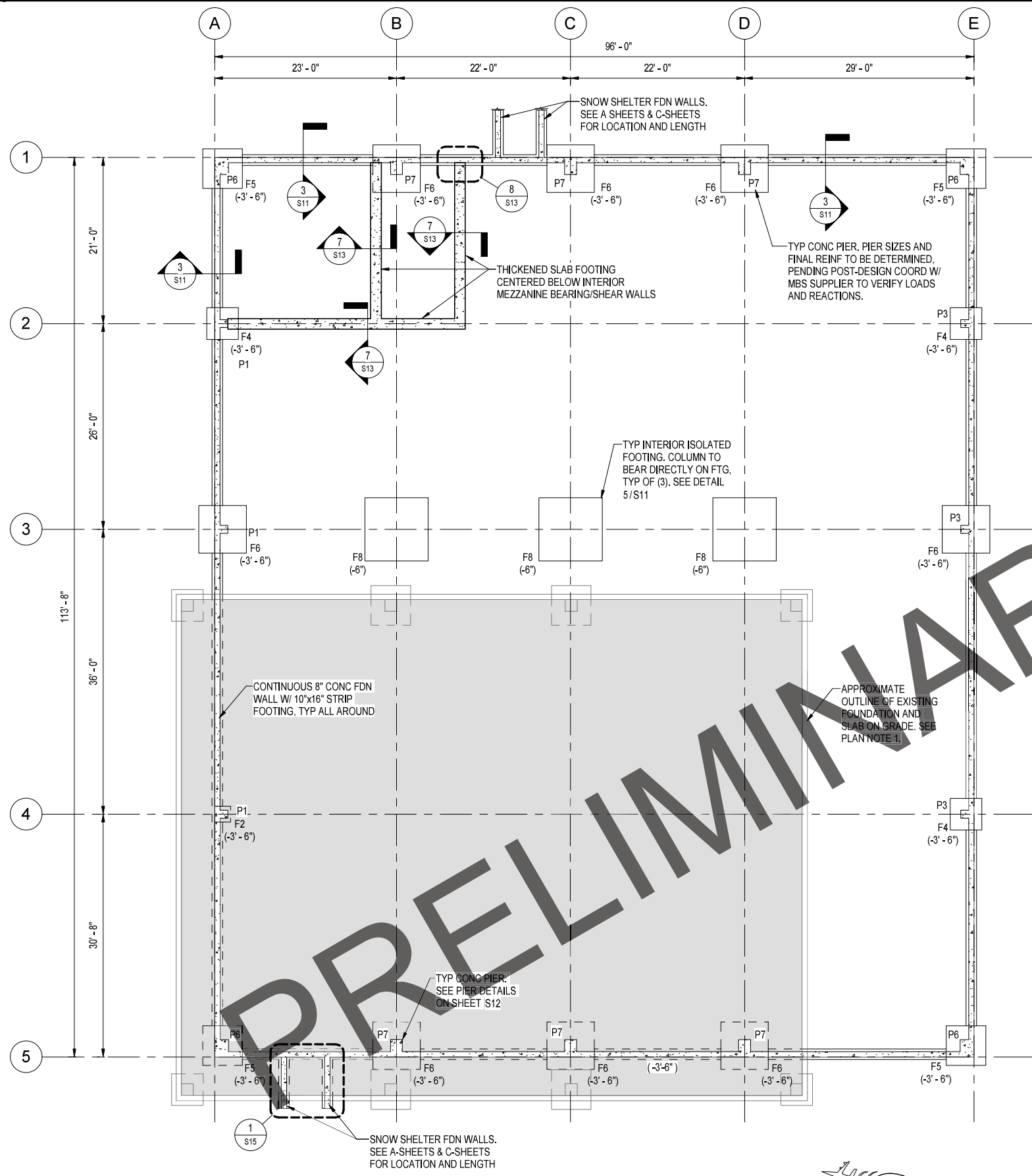
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 STEEL SPECIAL INSPECTIONS & TESTING

DATE:  
03/06/2024  
 SHEET:  
S04 of S15  
 3 of ???

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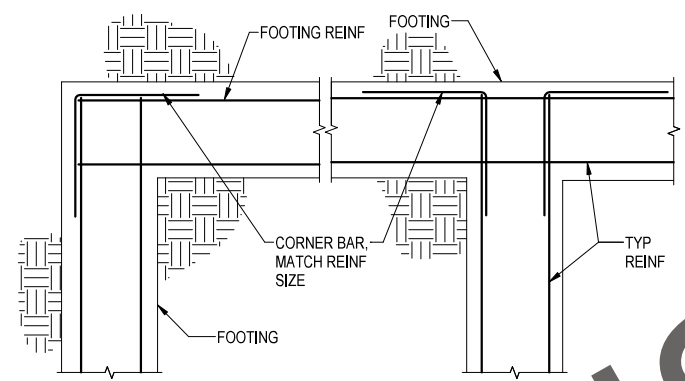
RMI PROJECT NUMBER: 402022.113



**1 SREB FOUNDATION PLAN**  
S11 1/8" = 1'-0"

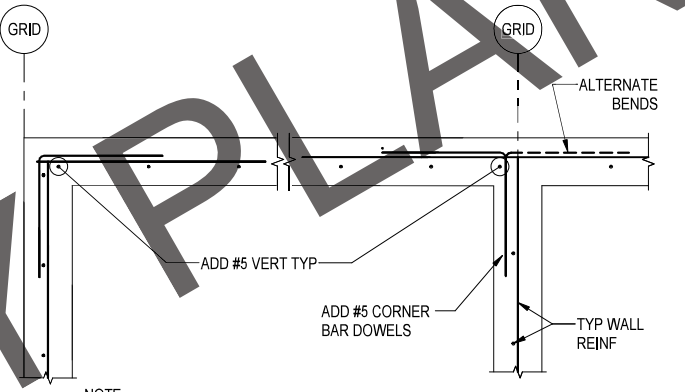
**PLAN NOTES:**  
1. DEMOLISH EXISTING SLAB ON GRADE. EXISTING FOUNDATION WALLS AND FOOTINGS TO REMAIN IN PLACE EXCEPT WHERE THEY INTERFERE WITH THE CONSTRUCTION AND LOCATION OF THE NEW FOUNDATION SYSTEM.

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CERT OF AUTH: AECC598



**2 TYP CONC STRIP FOOTING PLAN VIEW**  
S11 3/4" = 1'-0"

**NOTE:**  
1. CORNER BARS SHALL MATCH SIZE & SPACING OF TYP WALL REINF.  
2. CORNER BAR LEG LENGTHS PER LAP SPLICE SCHEDULE.



**4 TYP CONC FDN WALL PLAN VIEW**  
S11 3/4" = 1'-0"

**NOTE:**  
1. CORNER BAR DOWELS SHALL MATCH SIZE & SPACING OF TYP WALL REINF.  
2. TIE DOWELS TO TYP WALL & FOUNDATION REINF.  
3. CORNER BAR LEG LENGTHS PER LAP SPLICE SCHEDULE.

LAP SPLICE SCHEDULE			
BAR SIZE	CLASS A SPLICE	CLASS B SPLICE	CLASS B TOP BAR
#3	15"	19"	25"
#4	19"	25"	33"
#5	24"	31"	40"
#6	29"	37"	48"
#7	42"	54"	70"
#8	48"	62"	81"

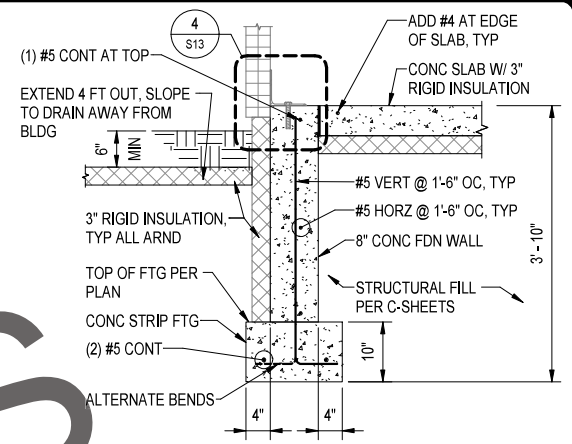
**NOTES:**  
1. PROVIDE CLASS B LAP SPLICE FOR ALL HORIZONTAL AND VERTICAL REINFORCEMENT, INCLUDING DOWELS, UNLESS OTHERWISE NOTED.  
2. PROVIDE CLASS B TOP BAR SPLICES IN ALL HORIZONTAL REINFORCEMENT WITH MORE THAN 12-INCHES OF CONCRETE CAST BELOW IT.

**6 LAP SPLICE SCHEDULE**  
S11 NO SCALE

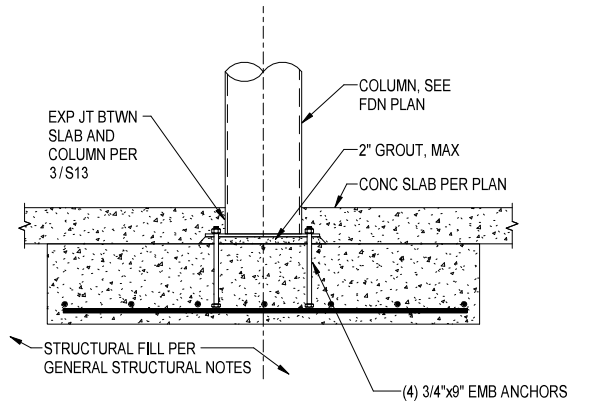
FOOTING SCHEDULE		
MARK	SIZE	REINFORCEMENT
F2	2'-0"x2'-0"x0'-10"	(3) #5 EA WAY BOT ONLY
F3	3'-0"x3'-0"x1'-0"	(4) #5 EA WAY T&B
F4	4'-0"x4'-0"x1'-0"	(6) #5 EA WAY T&B
STRIP	16"w x 10"h	(2) #5 CONT BOT ONLY

**NOTES:**  
1. SEE FOUNDATION PLAN FOR LOCATIONS AND ELEVATIONS.  
2. TOPS OF FOOTINGS NOTED ON PLANS WITH (X'-X').

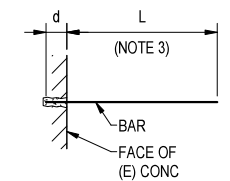
**8 ISOLATED FOOTING SCHEDULE**  
S11 NO SCALE



**3 TYP EXTERIOR FDN WALL SECTION**  
S11 3/4" = 1'-0"



**5 TYP INTERIOR FOOTING**  
S11 3/4" = 1'-0"



ADHESIVE ANCHOR SCHEDULE	
BAR SIZE	EMBED d
#3	3 3/8"
#4	4 1/2"
#5	5 5/8"
#6	6 3/4"
#7	7 7/8"
#8	9"

**NOTES:**  
1. A615 GR 60 OR A706 REINFORCEMENT.  
2. BASED ON PRODUCTS SPECIFIED IN GENERAL NOTES UNDER "POST-INSTALLED ANCHORS".  
3. MINIMUM "L" = SPLICE LENGTH REQUIRED PER REBAR LAP SPLICE SCHEDULE.

**7 ADHESIVE ANCHOR SCHEDULE**  
S11 3/4" = 1'-0"

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 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB FOUNDATION PLAN & DETAILS

DATE: 03/06/2024  
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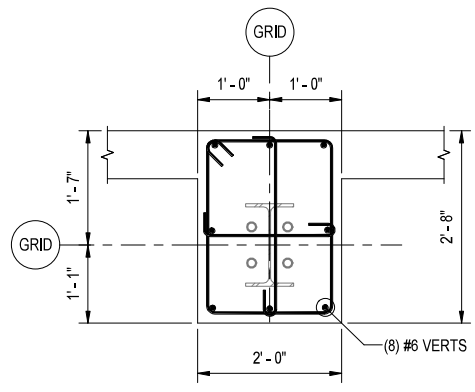
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PRELIMINARY PLANS

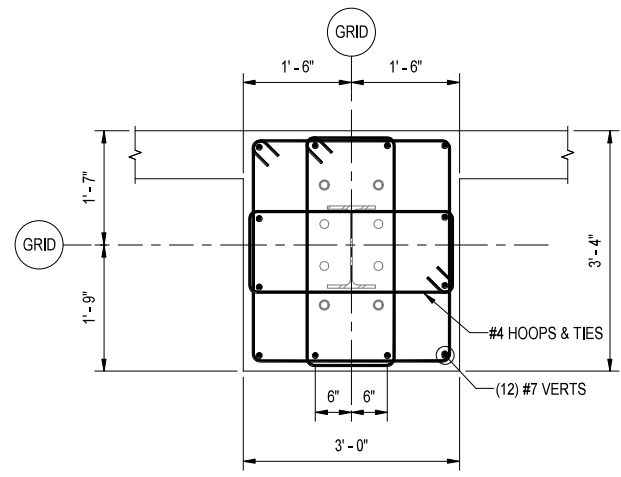
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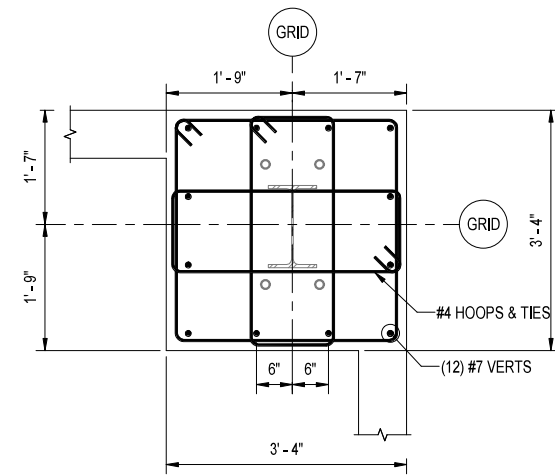
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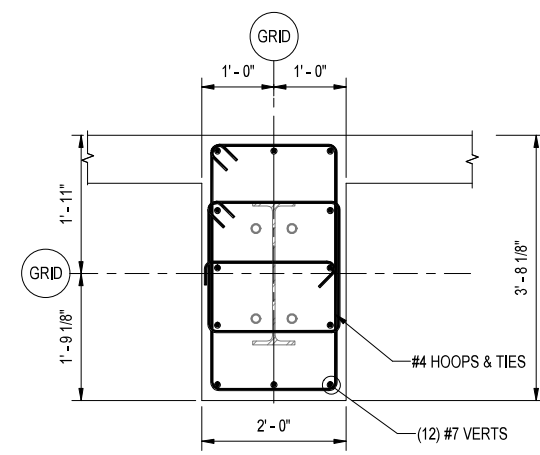
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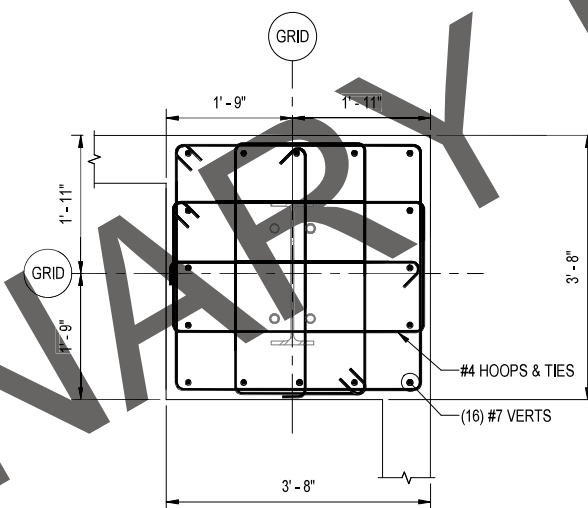
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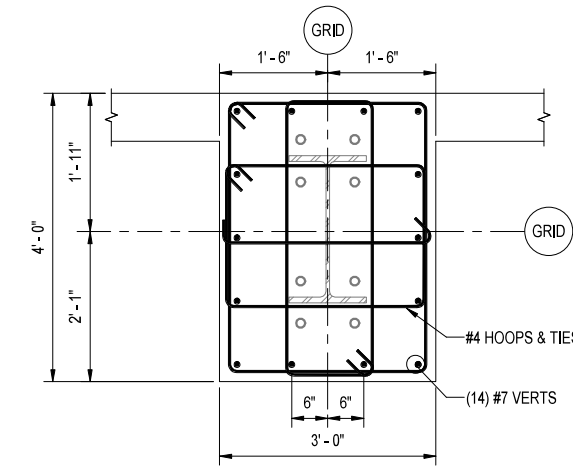
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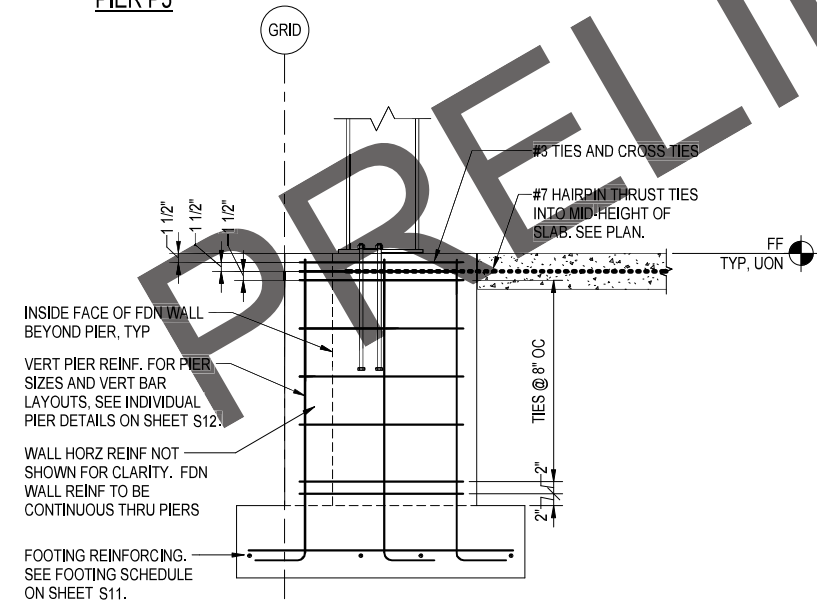
PIER P5



PIER P6



PIER P7



1 TYP PIER ELEVATION  
S12 3/4" = 1'-0"

DOCUMENTATION BY:  
REID MIDDLETON, INC  
CERT OF AUTH: AECC598

- NOTES:**
1. FINAL PIER SIZES AND REINFORCEMENT TO BE CONFIRMED UPON POST-DESIGN DEVELOPMENT COORDINATION WITH METAL BUILDING SYSTEMS SUPPLIER.
  2. GRID LINES SHOWN ARE NOT REAL AND REPRESENT THE ASSUMED COLUMN CENTERLINES ONLY. ACTUAL GRIDS ARE AT THE OUTSIDE FACE OF CONCRETE.
  3. CONFIGURATION ASSUMES BYPASS GIRT CONFIGURATIONS W/ 8" WIDE GIRTS.

PRELIMINARY PLANS

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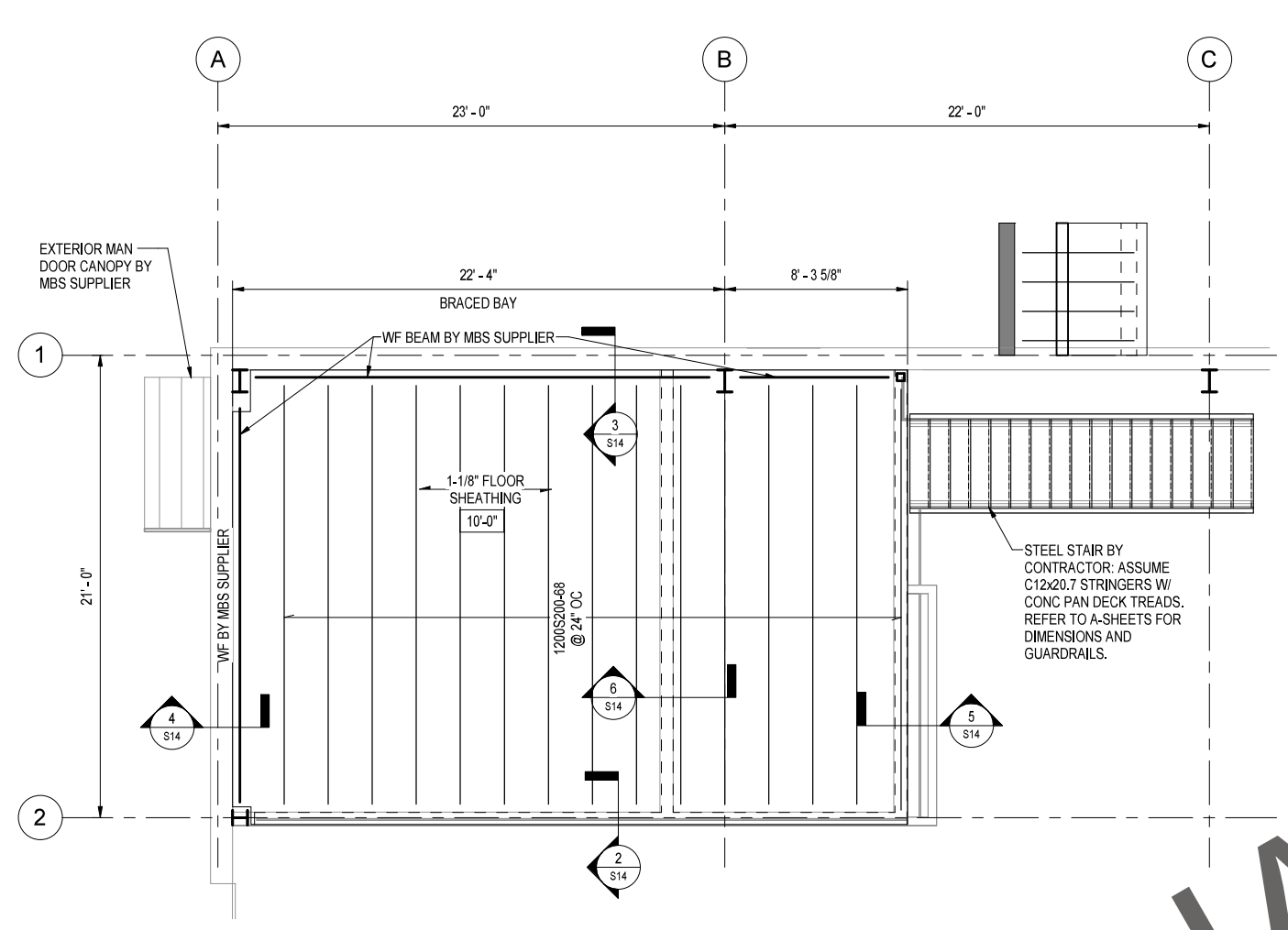
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 & DEICING MATERIAL STORAGE BUILDING  
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 AIP No. 3-02-0311-XXX-2024  
 SREB CONCRETE PIERS

DATE:  
03/06/2024  
 SHEET:  
S12 of S15  
 5 of ???

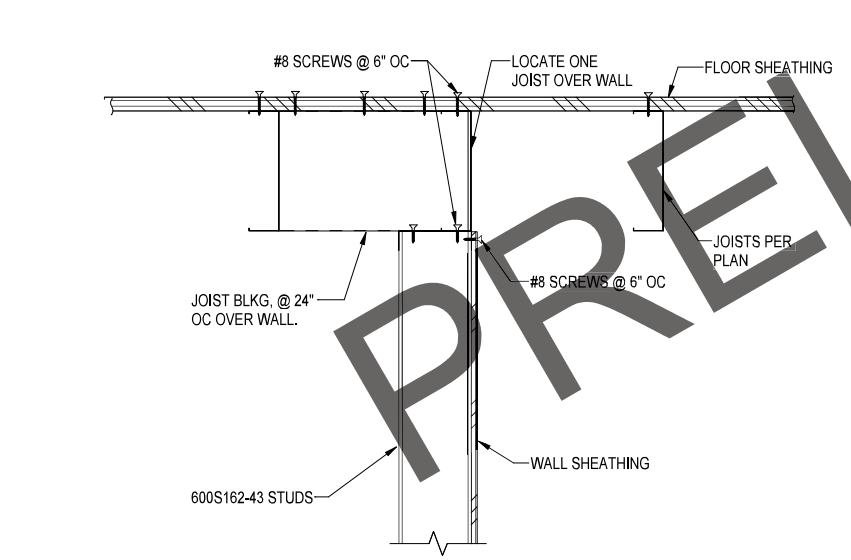




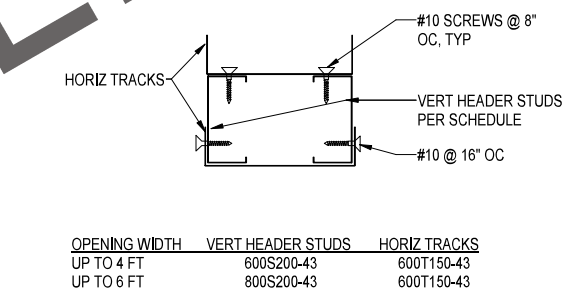
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 Checked By: MRE  
 RMI PROJECT NUMBER: 402022.113



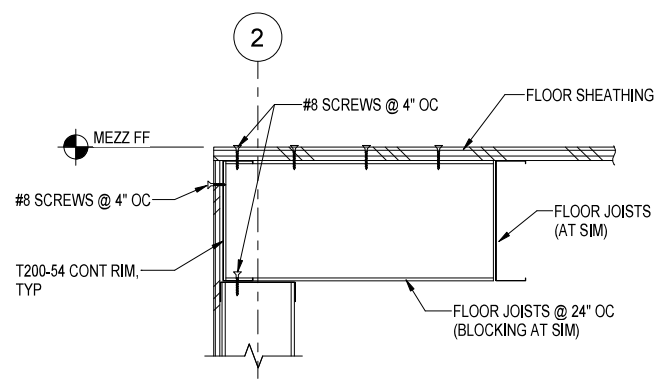
**1 SREB MEZZANINE ENLARGED FRAMING PLAN**  
S14 1/4" = 1'-0"



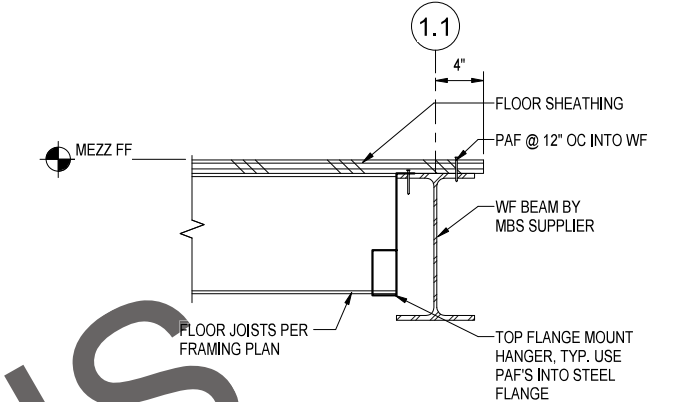
**6 SECTION JOISTS PARALLEL TO STUD WALL**  
S14 1 1/2" = 1'-0"



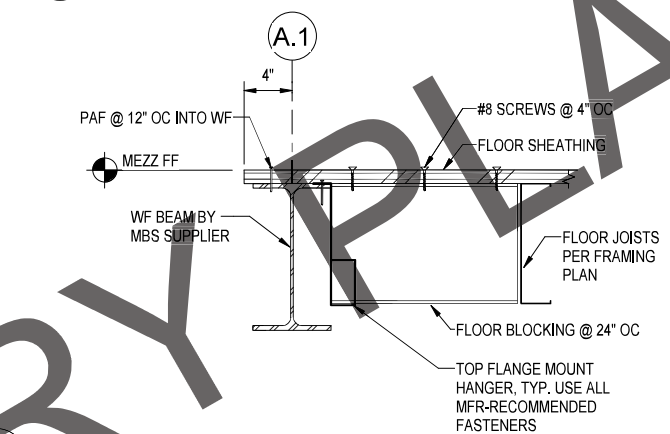
**7 TYP HEADER OVER WALL OPENINGS**  
S14 3" = 1'-0"



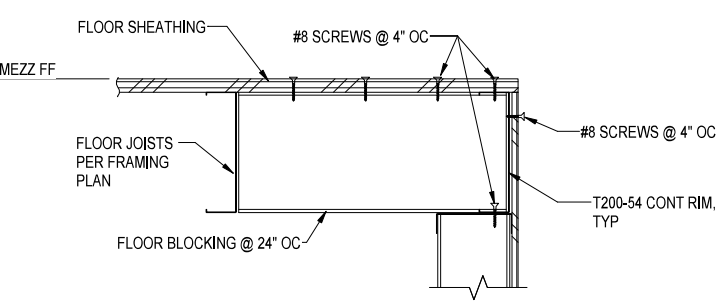
**2 FLOOR FRAMING AT WEST INTERIOR WALL**  
S14 1 1/2" = 1'-0"



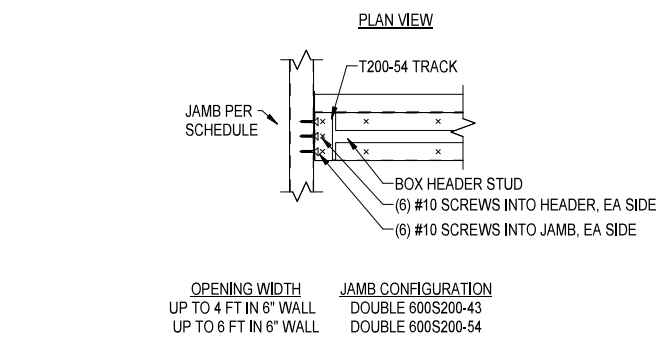
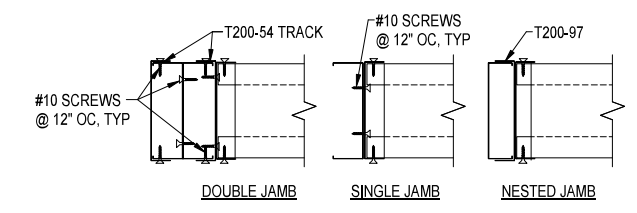
**3 FLOOR FRAMING AT EAST EXTERIOR WALL**  
S14 1 1/2" = 1'-0"



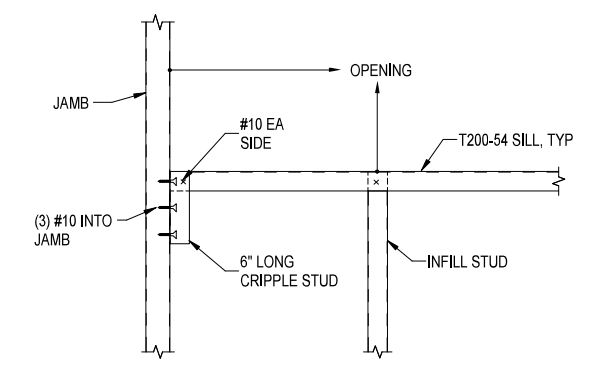
**4 FLOOR FRAMING AT NORTH WALL**  
S14 1 1/2" = 1'-0"



**5 FLOOR FRAMING AT SOUTH WALL**  
S14 1 1/2" = 1'-0"



**8 TYP HEADER TO JAMB CONNECTION**  
S14 1 1/2" = 1'-0"



**9 TYP SILL TO JAMB CONN**  
S14 1 1/2" = 1'-0"

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REID MIDDLETON, INC  
CERT OF AUTH: AECC598

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB MEZZANINE FRAMING PLAN & DETAILS

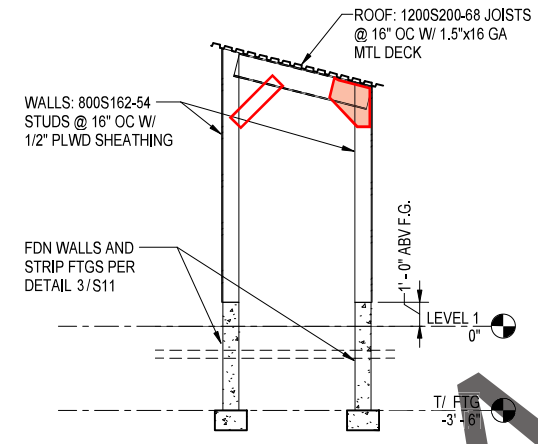
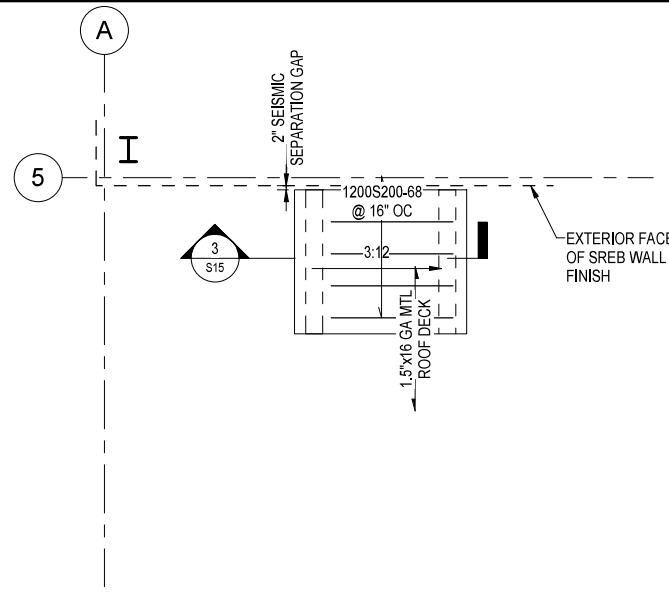
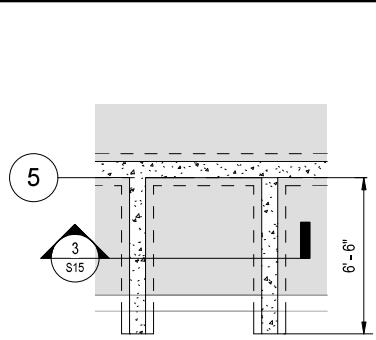
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 SHEET: S14 of S15  
 7 of ???



Date Revised: 2/27/2024 3:08:42 PM  
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 File Path & Name: C:\Users\mferro\Documents\Valdez\_SREB\_S\_R2022C\_mferrozferro.rvt  
 Designer: S15  
 Checker: S15

RMI PROJECT NUMBER: 402022.113

PRELIMINARY PLANS



CONCRETE FOOTING SCHEDULE				
TYPE MARK	LENGTH	WIDTH	THICKNESS	REINFORCEMENT
F2	2'-0"	2'-0"	1'-0"	(3) #4 EA WAY BOT
F4	4'-0"	4'-0"	1'-0"	(5) #4 EA WAY T&B
F5	5'-0"	5'-0"	1'-3"	(6) #5 EA WAY T&B
F6	6'-0"	6'-0"	1'-6"	(8) #5 EA WAY T&B
F8	8'-0"	8'-0"	2'-0"	(9) #7 EA WAY T&B

LAP SPLICE SCHEDULE			
BAR SIZE	CLASS A SPLICE	CLASS B SPLICE	CLASS B TOP BAR
#3	15"	19"	25"
#4	19"	25"	33"
#5	24"	31"	40"
#6	29"	37"	48"
#7	42"	54"	70"
#8	48"	62"	81"

ADHESIVE ANCHOR SCHEDULE	
BAR SIZE	EMBED d
#3	3 3/8"
#4	4 1/2"
#5	5 5/8"
#6	6 3/4"
#7	7 7/8"
#8	9"

1 ENLARGED GATE FENCE SHELTER FOUNDATION PLAN  
1/4" = 1'-0"

2 FENCE GATE SHELTER ROOF PLAN  
1/4" = 1'-0"

3 TYP SNOW SHELTER SECTION  
1/4" = 1'-0"

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BY	DATE	REVISION

**STATE OF ALASKA**  
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**STATEWIDE PUBLIC FACILITIES**

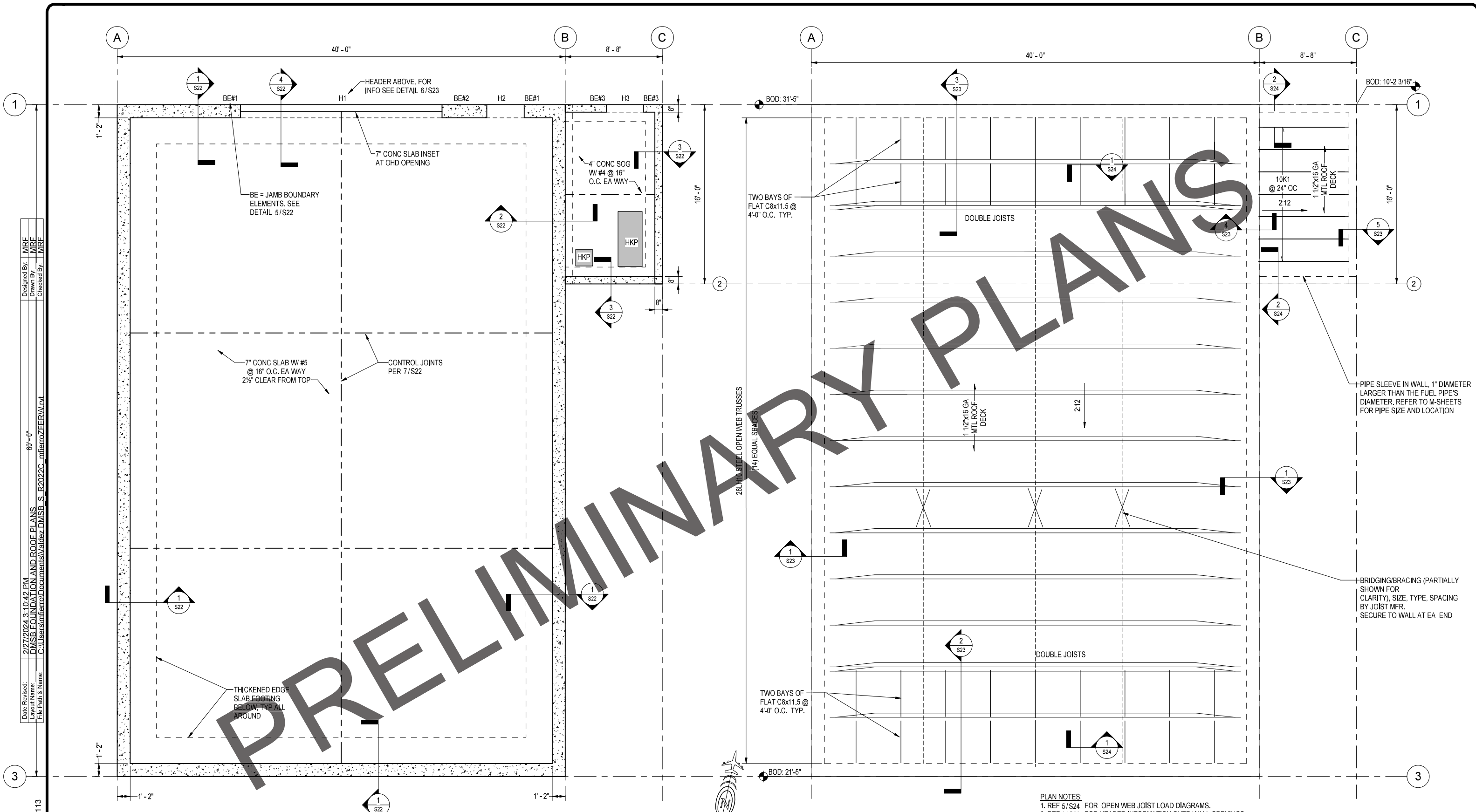
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB MISC PLANS, SECTIONS, & DETAILS

DATE: 03/06/2024  
 SHEET: S15 of S15  
 OF ???

DOCUMENTATION BY:  
REID MIDDLETON, INC  
CERT OF AUTH: AECC598

Date Reviewed: 2/27/2024 3:10:42 PM  
 User Name: C:\Users\miller\Documents\Valdez\DMSS\_S\_R0202C\_mflrroZFERM.rvt  
 File Path & Name:

RMI PROJECT NUMBER: 402022.113



**1 FOUNDATION PLAN**  
S21 1/4" = 1'-0"

**2 ROOF PLAN**  
S21 1/4" = 1'-0"

**PLAN NOTES:**  
 1. REF 5/S24 FOR OPEN WEB JOIST LOAD DIAGRAMS.  
 2. REF 6/S23 FOR HEADER INFORMATION OVER WALL OPENINGS

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BY	DATE	REVISION

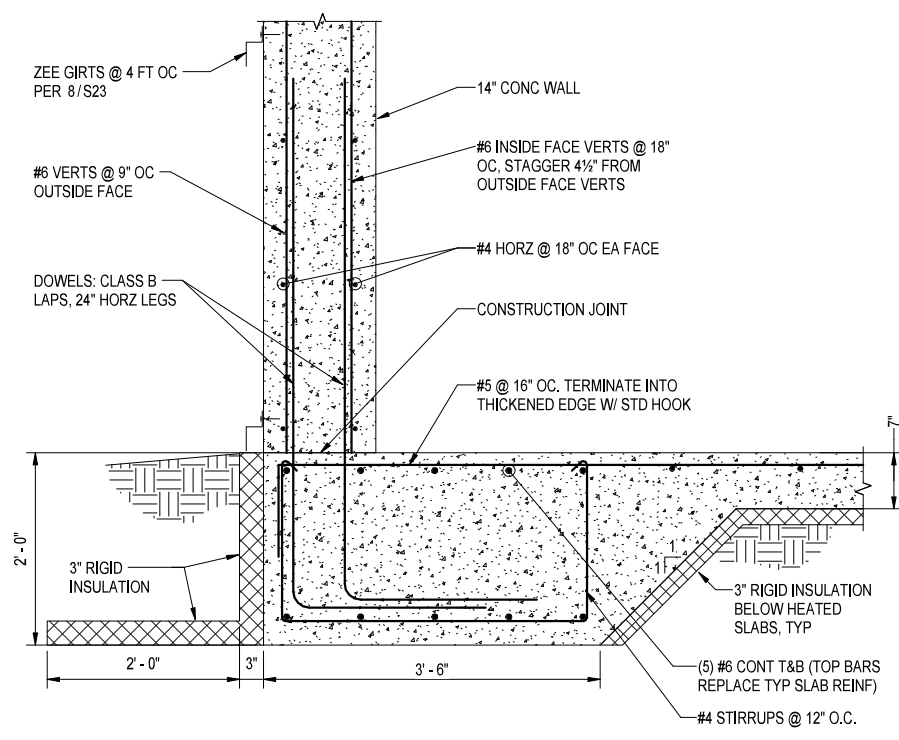
**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
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**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 DMSB FOUNDATION AND ROOF PLANS

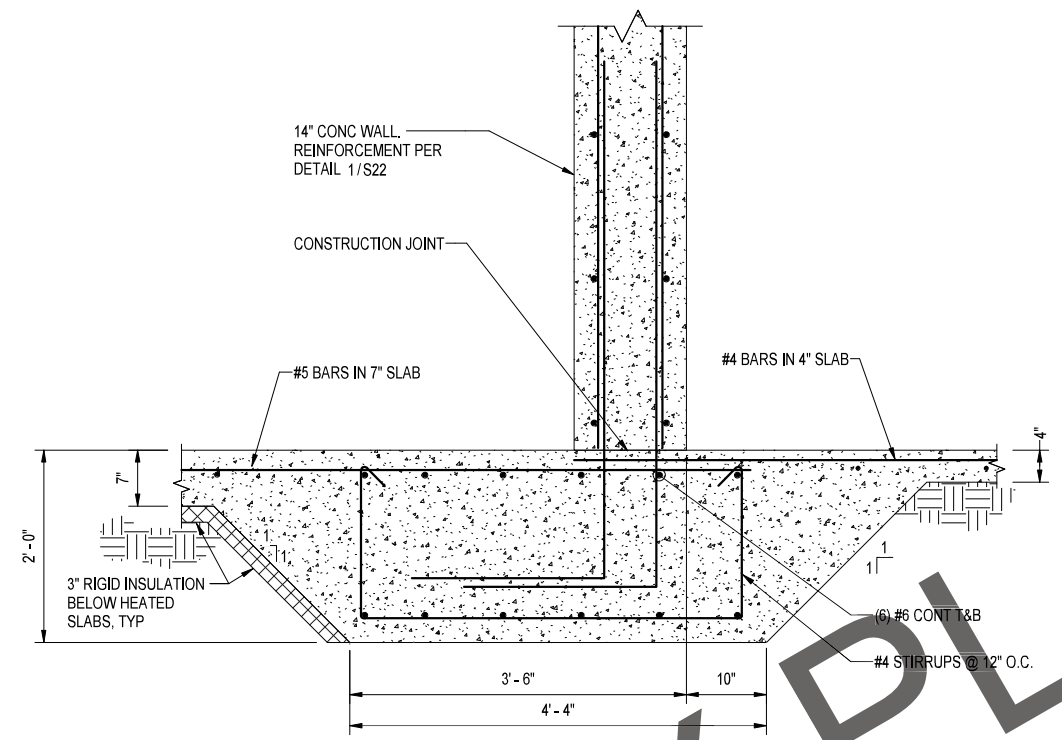
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 Checked By: DDS

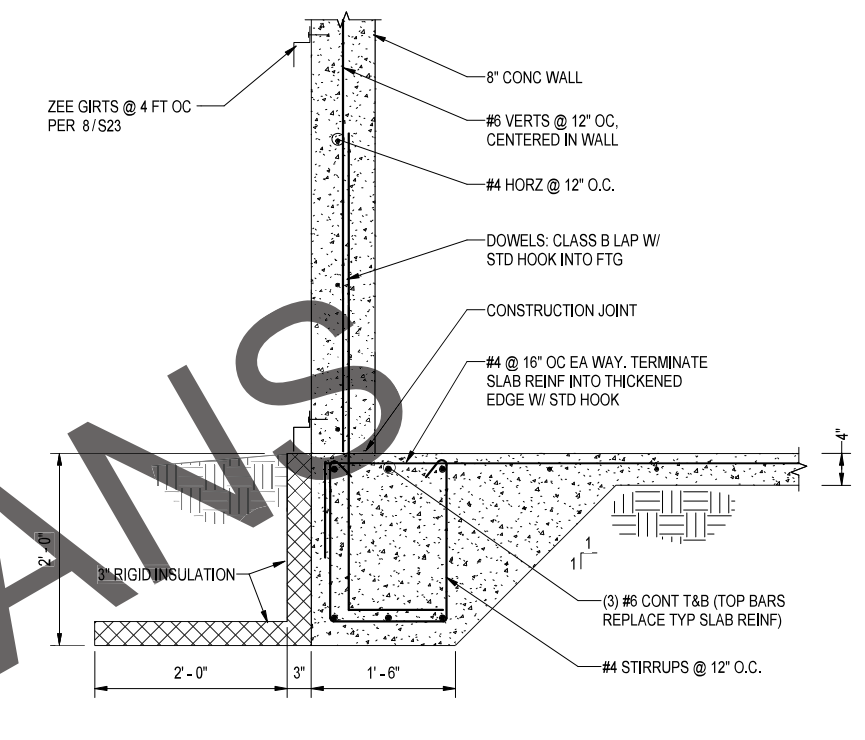
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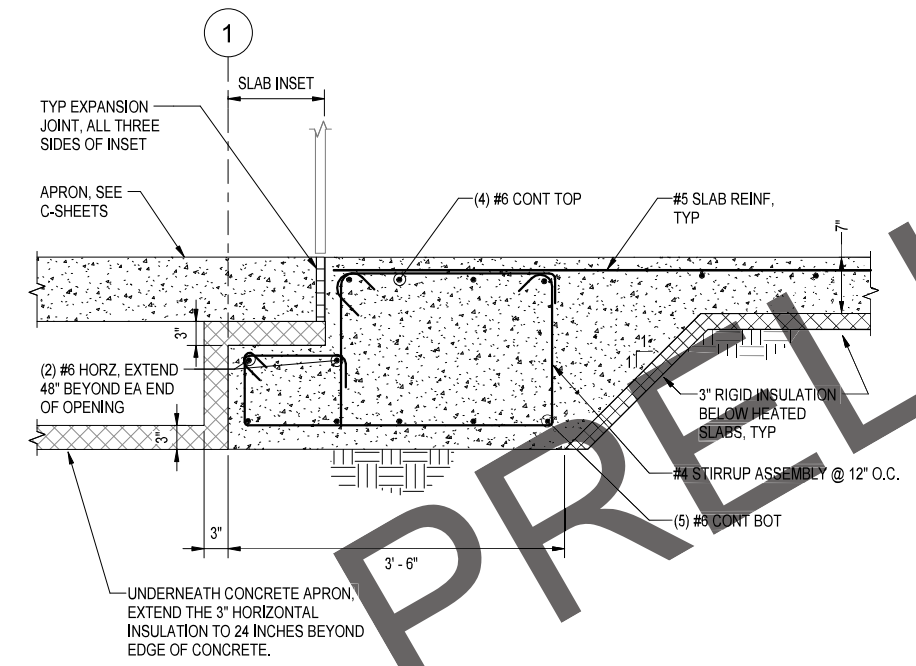
1 THICKENED SLAB TO 14" WALL  
S22 1" = 1'-0"



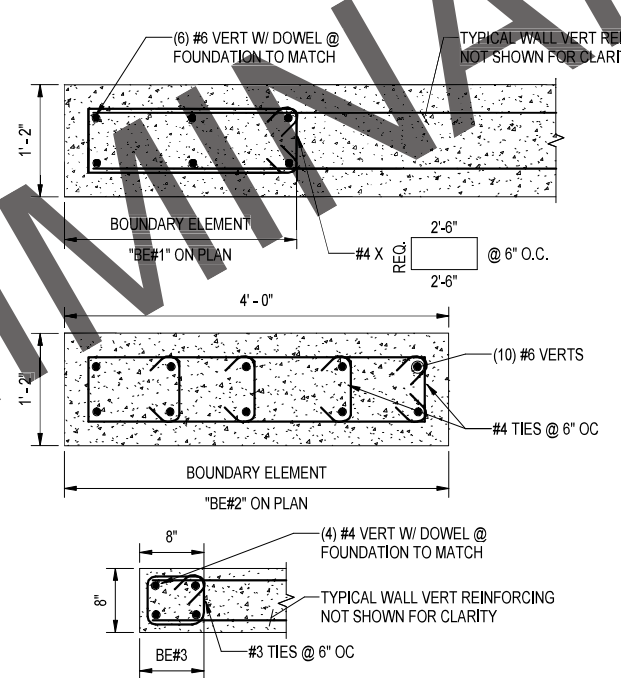
2 INTERIOR WALL TO THICKENED SLAB  
S22 1" = 1'-0"



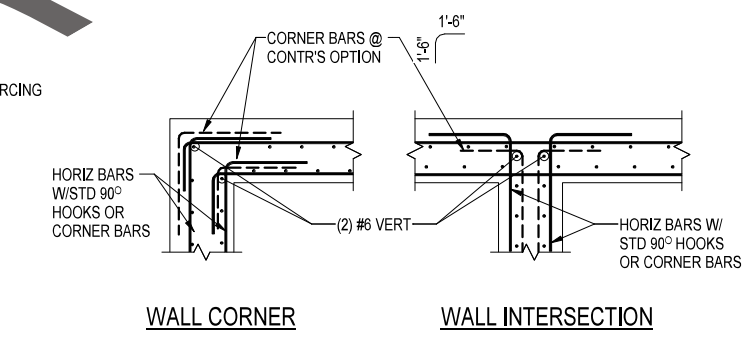
3 THICKENED SLAB TO 8" WALL  
S22 1" = 1'-0"



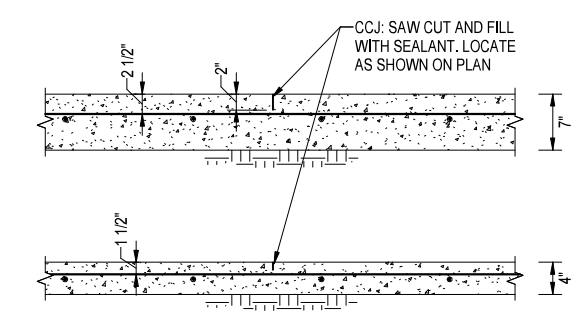
4 THICKENED SLAB EDGE AT OVERHEAD DOOR OPENING  
S22 1" = 1'-0"



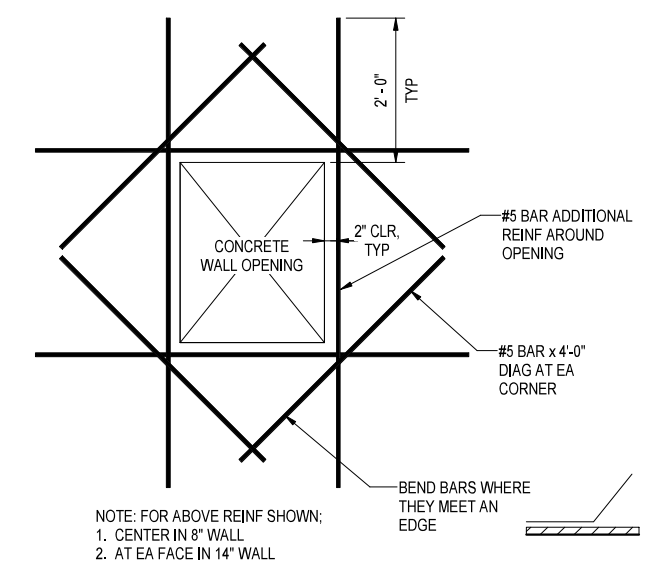
5 TYP CONC WALL JAMB REINF  
S22 1" = 1'-0"



6 TYP DOUBLE LAYER WALL REINF  
S22 1/2" = 1'-0"



7 TYP SLAB REINF  
S22 1" = 1'-0"



8 TYP CONC WALL OPENING REINFORCEMENT  
S22 3/4" = 1'-0"

NOTE: FOR ABOVE REINF SHOWN;  
1. CENTER IN 8" WALL  
2. AT EA FACE IN 14" WALL

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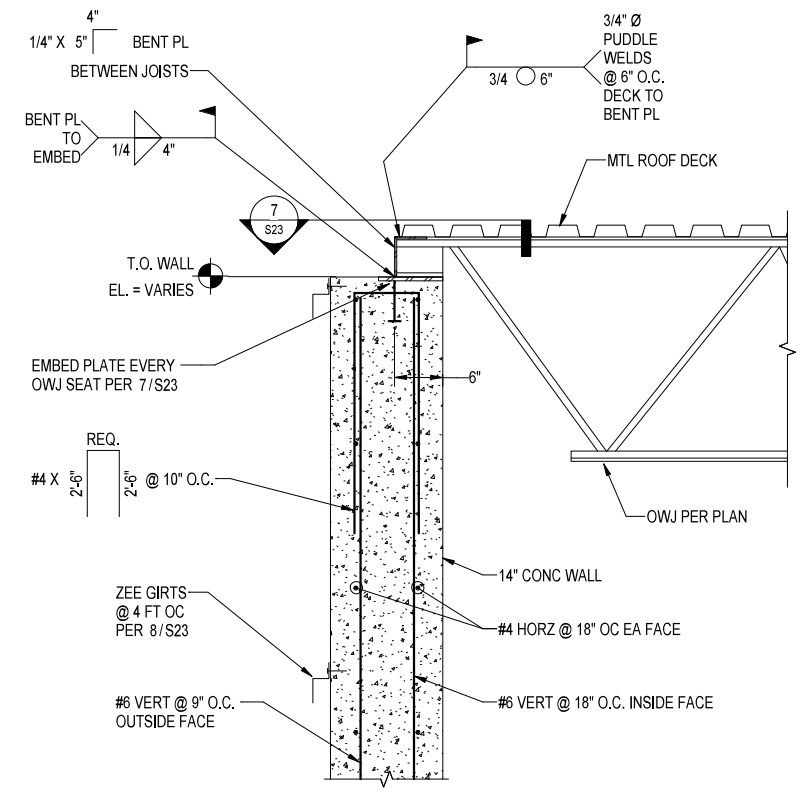
STATE OF ALASKA  
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**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 DMSB CONCRETE DETAILS

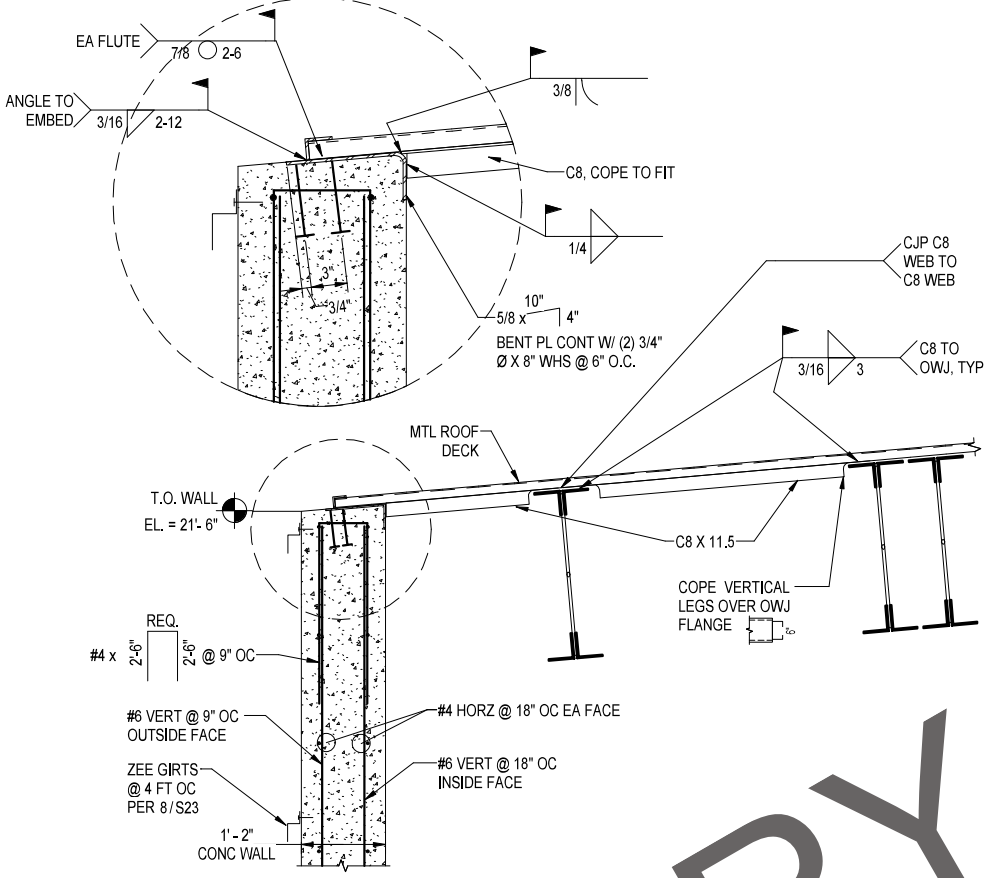
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 Drawn By: SLC  
 Checked By: DDS

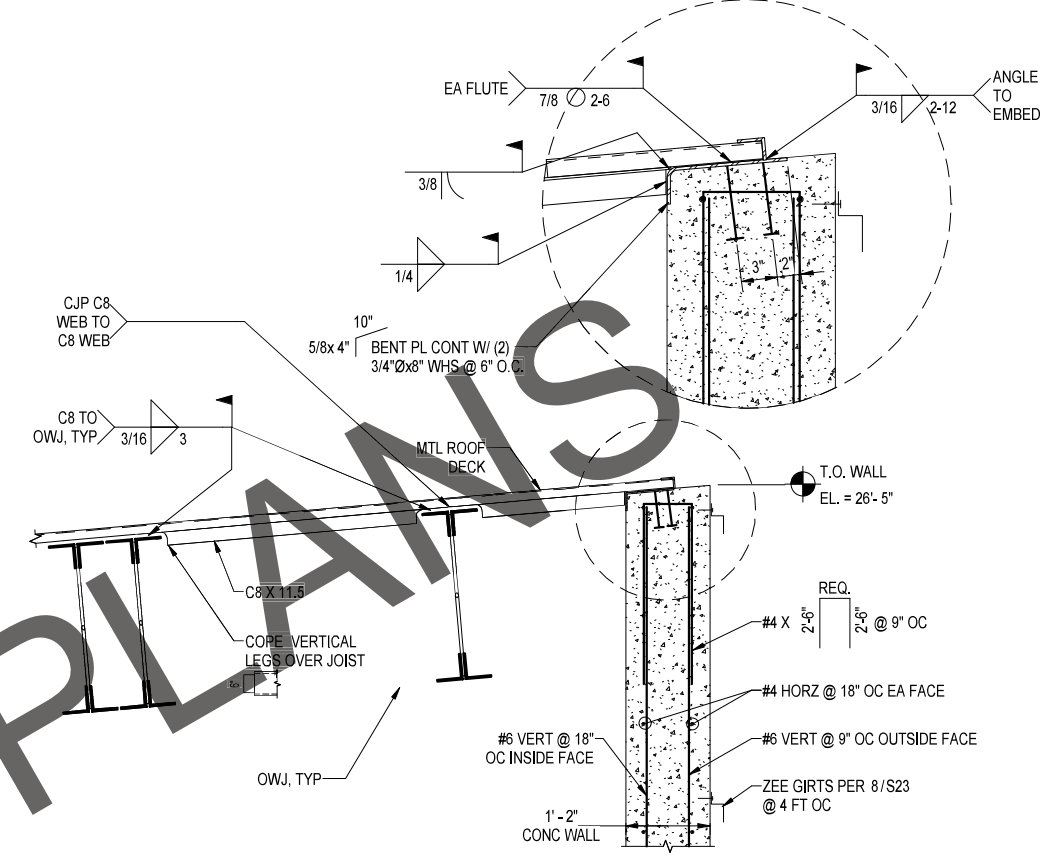
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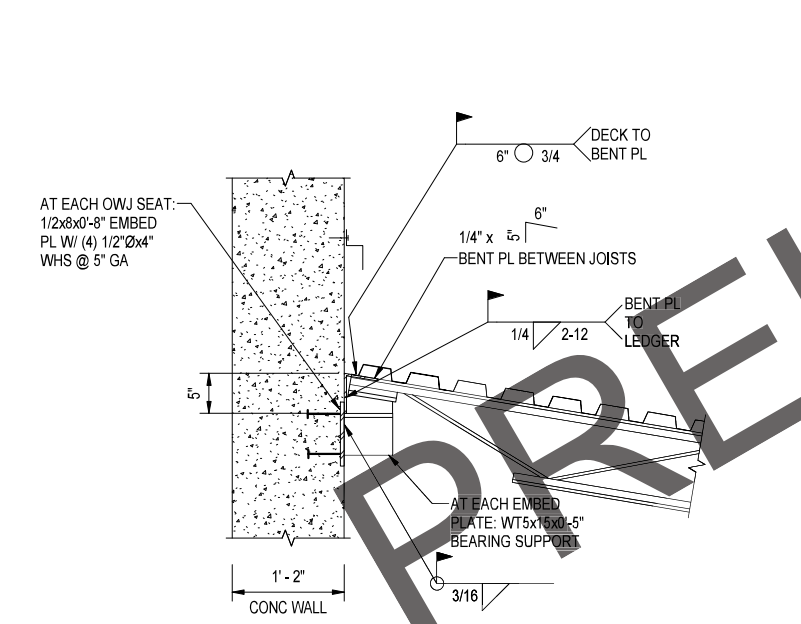
1 TYPICAL JOIST TO 14" CONC WALL CONNECTION  
S23 1" = 1'-0"



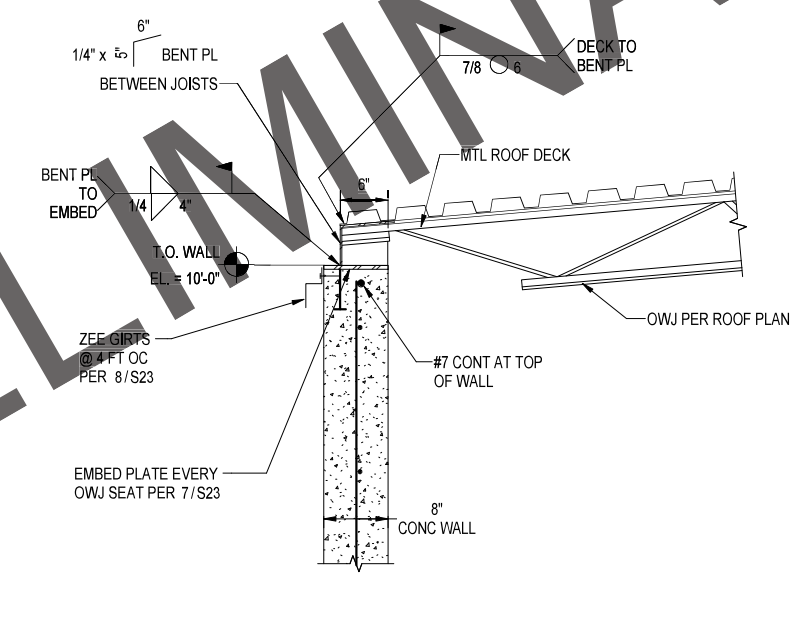
2 MTL DECK TO SOUTH 14" CONC WALL  
S23 3/4" = 1'-0"



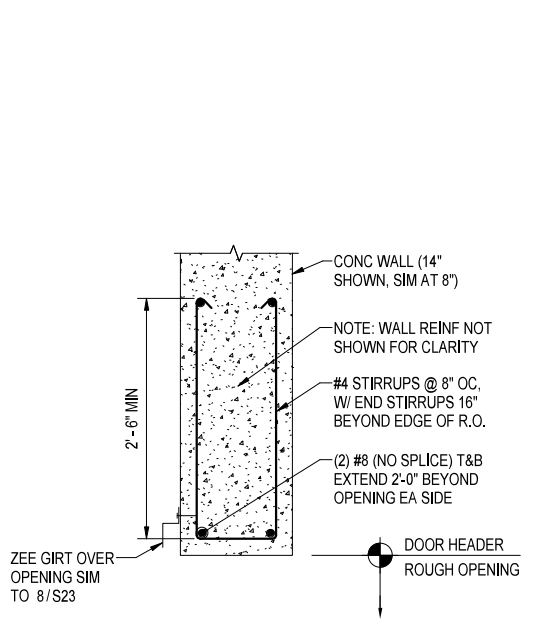
3 MTL DECK TO NORTH 14" CONC WALL  
S23 3/4" = 1'-0"



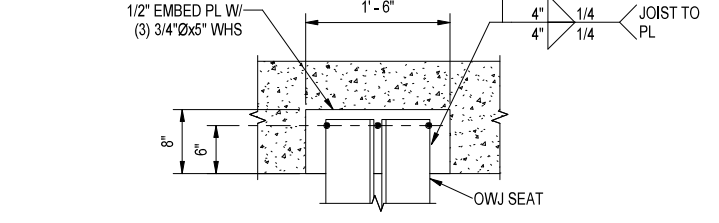
4 LOW ROOF OWJ TO 14" CONC WALL CONN  
S23 1" = 1'-0"



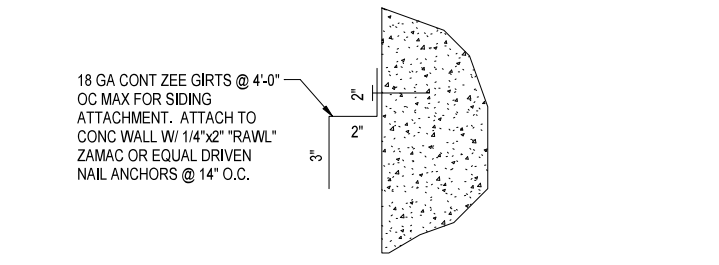
5 LOW ROOF OWJ TO 8" CONC WALL CONN  
S23 1" = 1'-0"



6 TYPICAL HEADER DETAIL  
S23 1" = 1'-0"



7 TYPICAL JOIST TO CONC WALL CONN  
S23 1" = 1'-0"



8 TYPICAL ZEE GIRT  
S23 3" = 1'-0"

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STATE OF ALASKA  
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VALDEZ AIRPORT  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 DMSB FRAMING DETAILS

DATE:  
03/06/2024  
 SHEET:  
S23 of S24  
 11 of ?

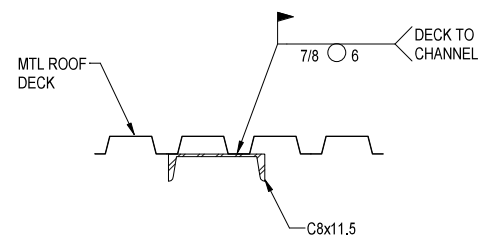
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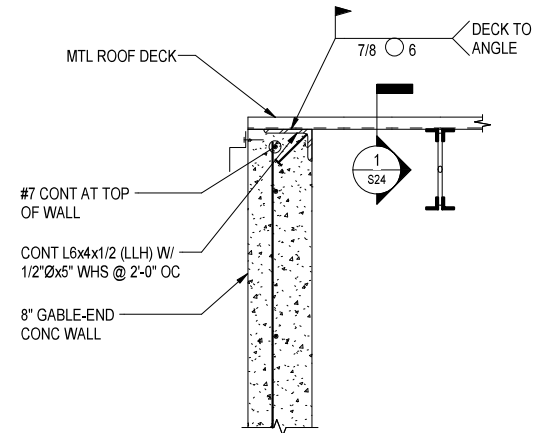
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RMI PROJECT NUMBER: 402022.113

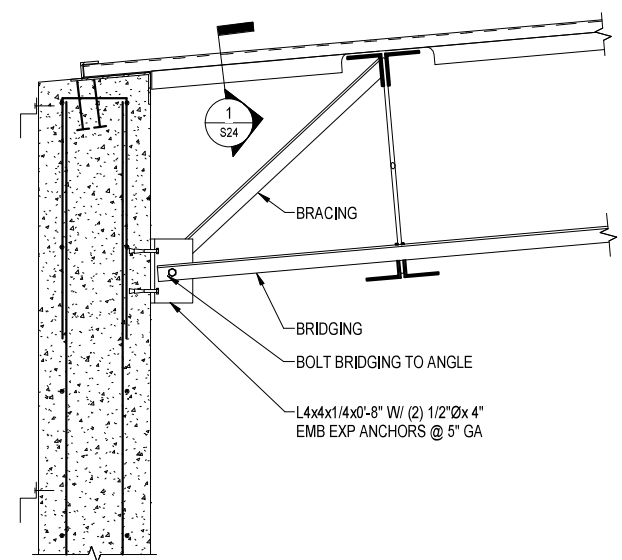
Designed By: MRF  
 Drawn By: SLC  
 Checked By: DDS



1 TYPICAL CHANNEL TO MTL DECK CONN  
S24 1 1/2" = 1'-0"

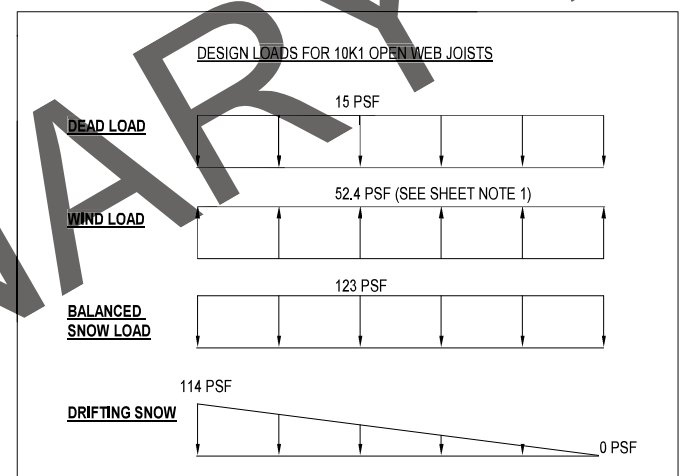
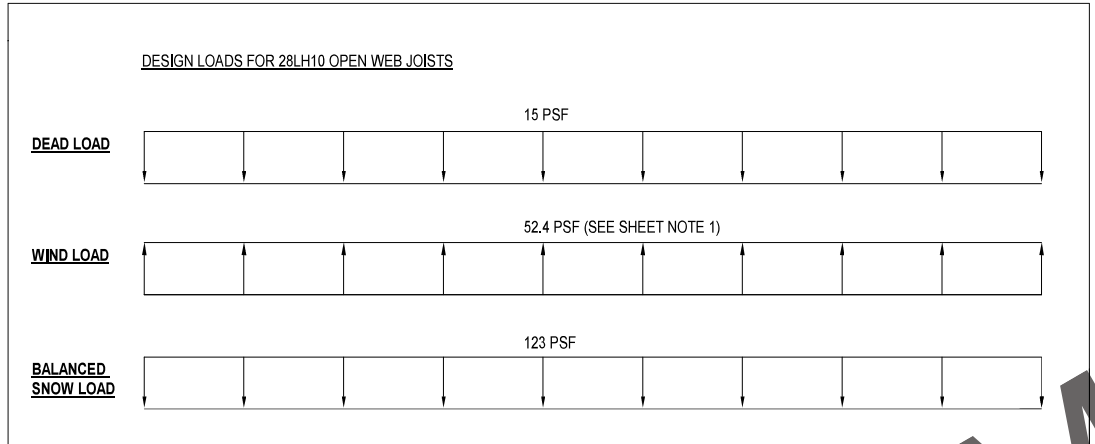


2 TYPICAL MTL DECK TO 8" CONC WALL  
S24 1" = 1'-0"

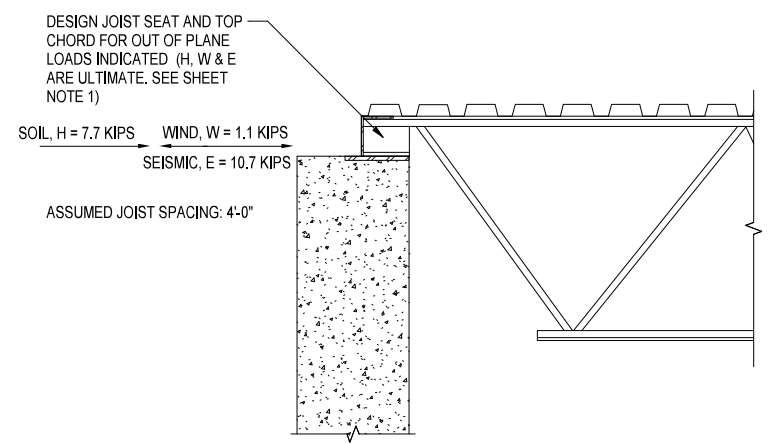


3 TYPICAL JOIST BRACING TO CONC WALL DETAIL  
S24 1" = 1'-0"

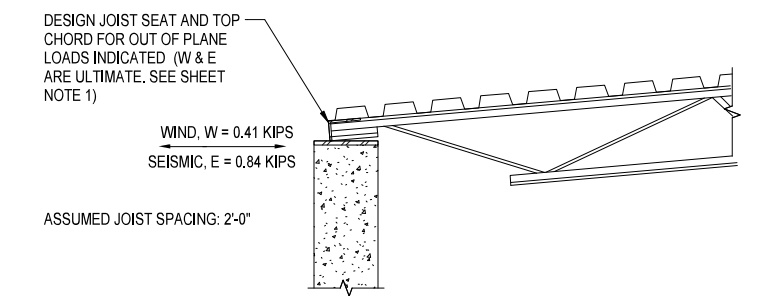
**SHEET NOTES:**  
 1. WIND AND SEISMIC LOADS SHOWN ARE ULTIMATE LOADS DEVELOPED PER ASCE 7-16 PROCEDURES. USE WITH APPROPRIATE STRENGTH DESIGN OR ALLOWABLE STRESS DESIGN LOAD COMBINATIONS AND FACTORS PER ASCE 7-16.



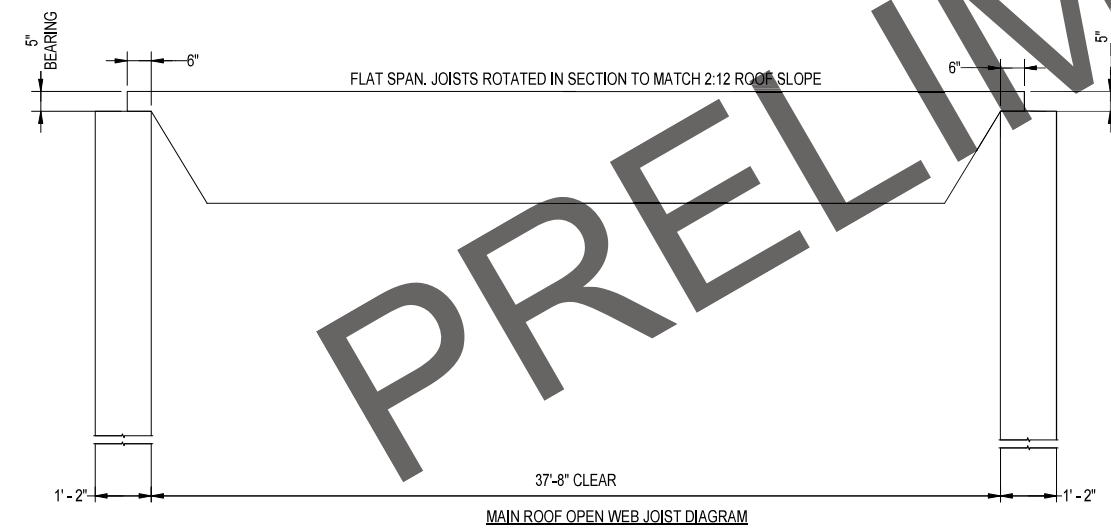
NOTE: DRIFTING SNOW MUST BE ADDED TO BALANCED SNOW LOAD FOR TOTAL SNOW LOAD.



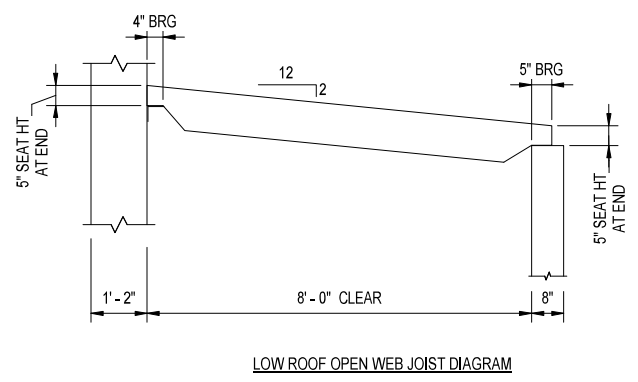
WALL REACTIONS AT MAIN ROOF JOISTS



WALL REACTIONS FOR LOW ROOF JOISTS



5 OPEN WEB JOIST DIAGRAMS  
S24 NTS



LOW ROOF OPEN WEB JOIST DIAGRAM

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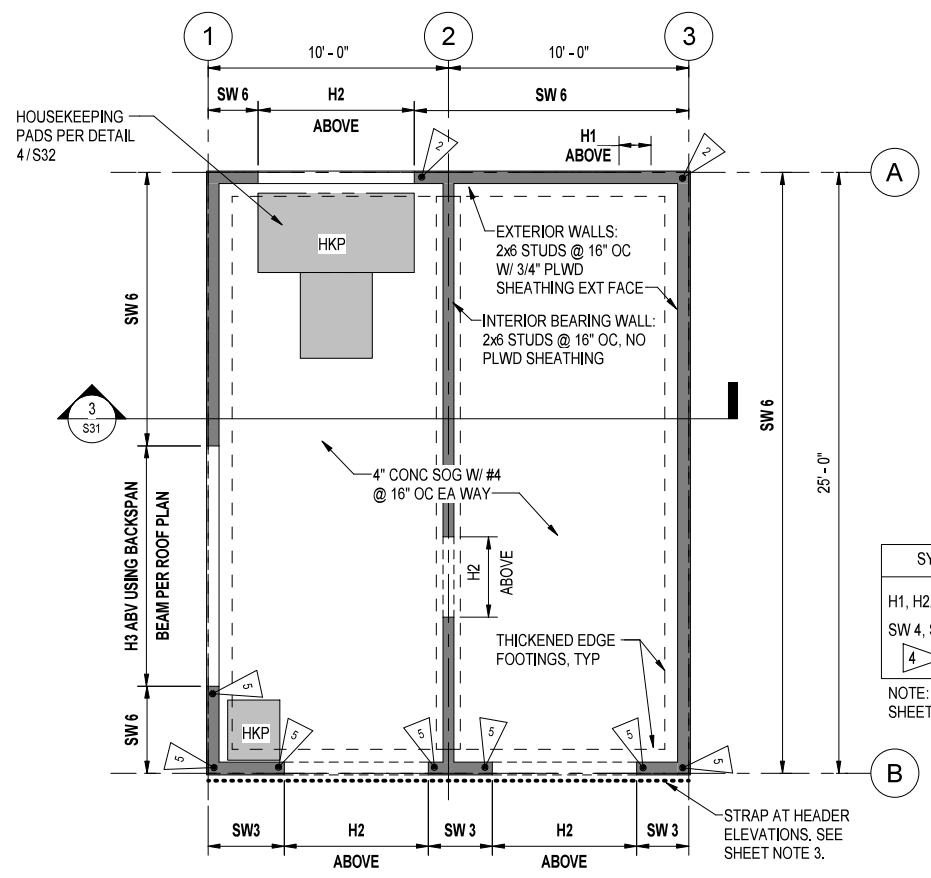
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 STATEWIDE PUBLIC FACILITIES

VALDEZ AIRPORT  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 DMSB FRAMING DETAILS & LOAD DIAGRAMS

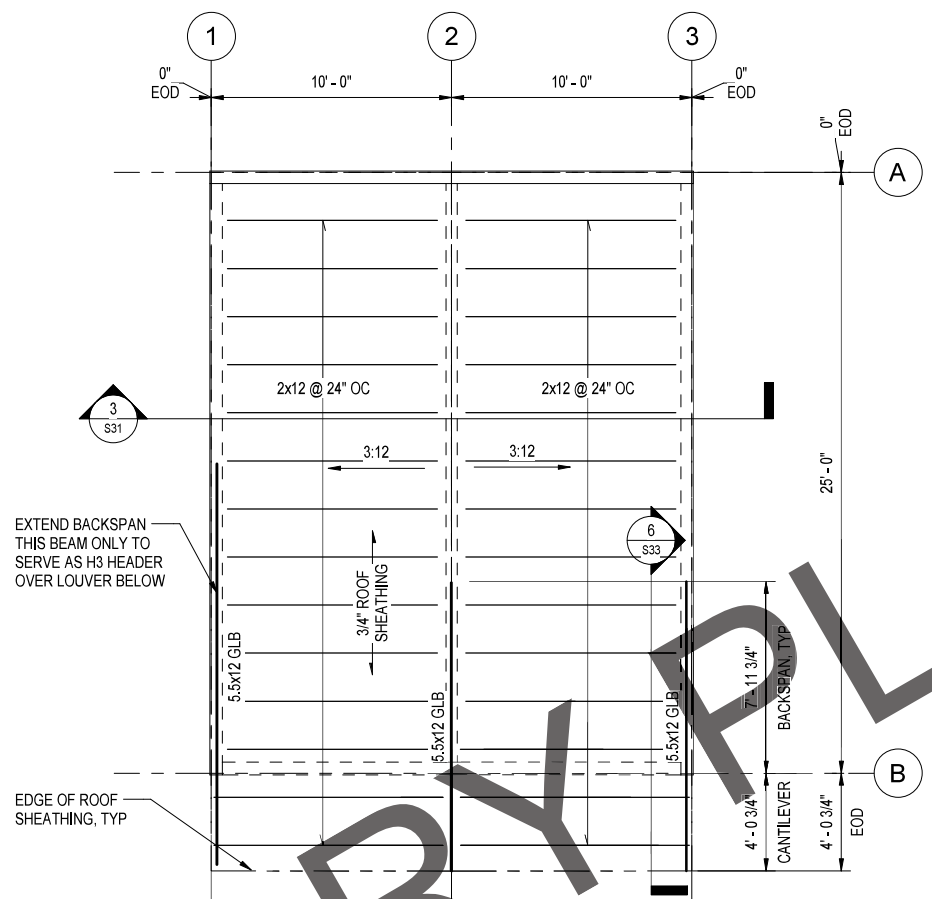
DATE:  
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 SHEET:  
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 12 OF ?

Date Reviewed: 2/27/2024 3:14:13 PM  
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 RMI PROJECT NUMBER: 402022.113

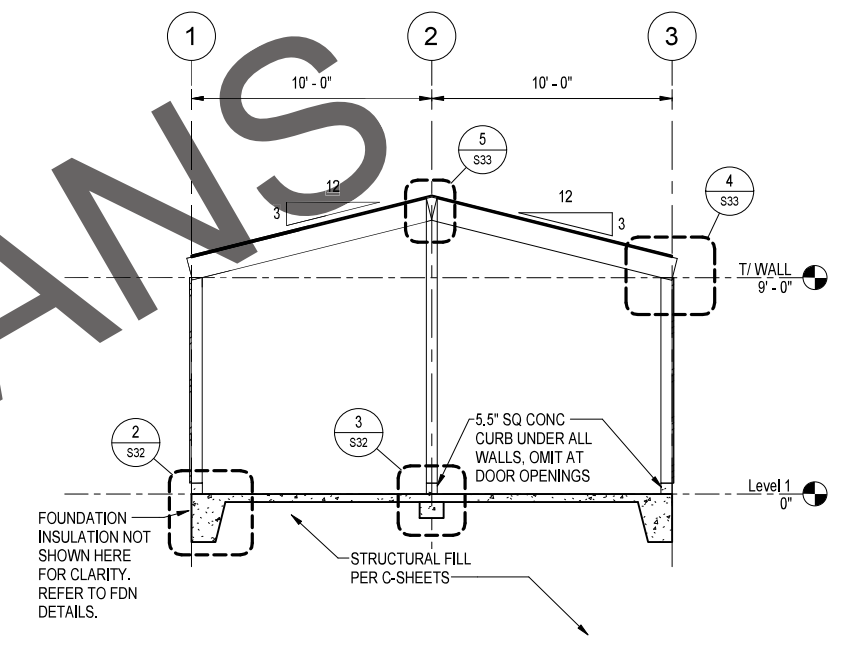
- SHEET NOTES:**
- FOR HEADER SIZES AND FRAMING AROUND OPENINGS, SEE SCHEDULE ON SHEET S34
  - FOR SHEAR WALLS, SEE SCHEDULE ON SHEET S34
  - PROVIDE (2) CONTINUOUS SIMPSON CS18 STRAPS, ONE RIGHT ABOVE THE OTHER, ACROSS ENTIRE WIDTH OF GRID B WALL ALONG MIDHEIGHT OF HEADERS. BTWN HEADERS, PROVIDE 2x4 FLAT BLOCKING BEHIND STRAPS.



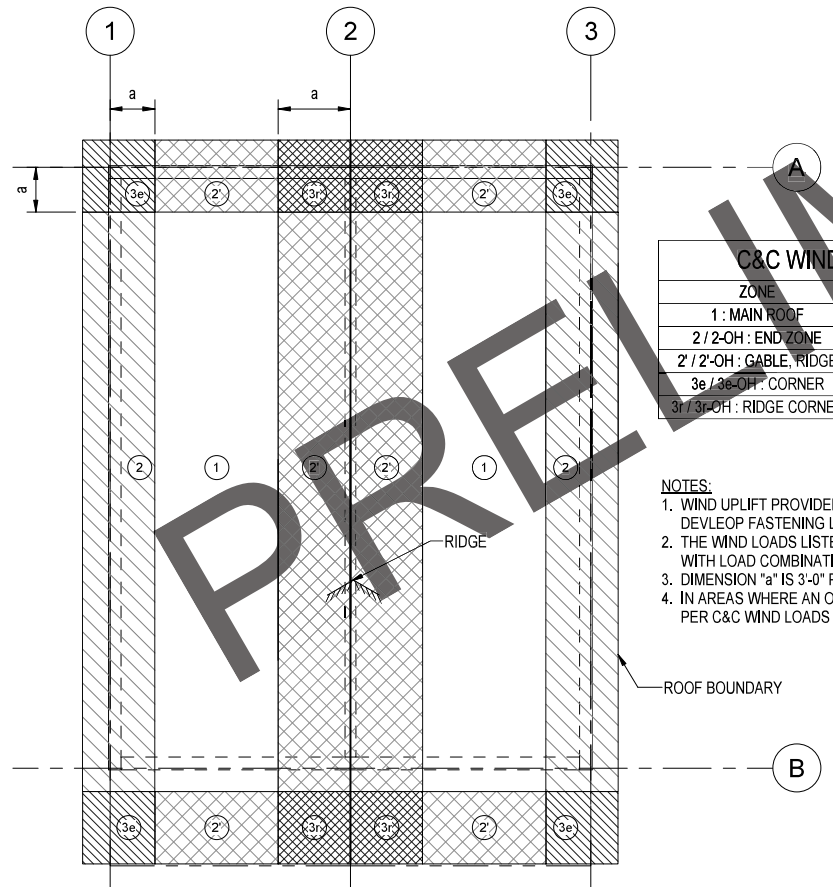
**1 EEB FOUNDATION PLAN**  
S31 1/4" = 1'-0"



**2 EEB ROOF FRAMING PLAN**  
S31 1/4" = 1'-0"



**3 EEB SECTION**  
S31 1/4" = 1'-0"



**4 EEB ROOF WIND UPLIFT MAP**  
S31 1/4" = 1'-0"

**C&C WIND LOADS**

ZONE	GROSS UPLIFT
1 : MAIN ROOF	71 PSF
2 / 2-OH : END ZONE	71 PSF / 81 PSF
2' / 2'-OH : GABLE, RIDGE	104 PSF / 114 PSF
3e / 3e-OH : CORNER	104 PSF / 134 PSF
3r / 3r-OH : RIDGE CORNER	123 PSF / 153 PSF

- NOTES:**
- WIND UPLIFT PROVIDED FOR INSULATED METAL PANEL MANUFACTURER TO DEVELOP FASTENING LOADS INTO THE FRAMING BELOW.
  - THE WIND LOADS LISTED ABOVE ARE GROSS ULTIMATE AND ARE TO BE USED WITH LOAD COMBINATIONS IN ASCE 7-16.
  - DIMENSION "a" IS 3'-0" PER COMPONENT & CLADDING FIGURES IN ASCE 7-16.
  - IN AREAS WHERE AN OVERHANG EXISTS, INCREASE WIND UPLIFT PRESSURE PER C&C WIND LOADS TABLE (OH = OVERHANG).

DOCUMENTATION BY:  
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CERT OF AUTH: AECC598

BY	DATE	REVISION

**STATE OF ALASKA**  
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**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

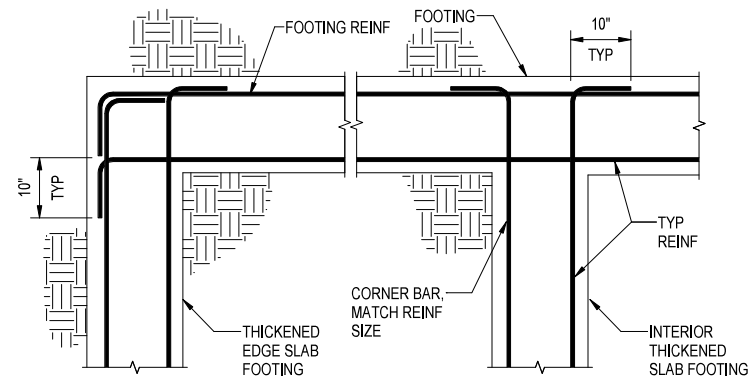
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 EEB FOUNDATION & ROOF FRAMING PLANS

DATE: 03/06/2024  
 SHEET: S31 OF  
 OF

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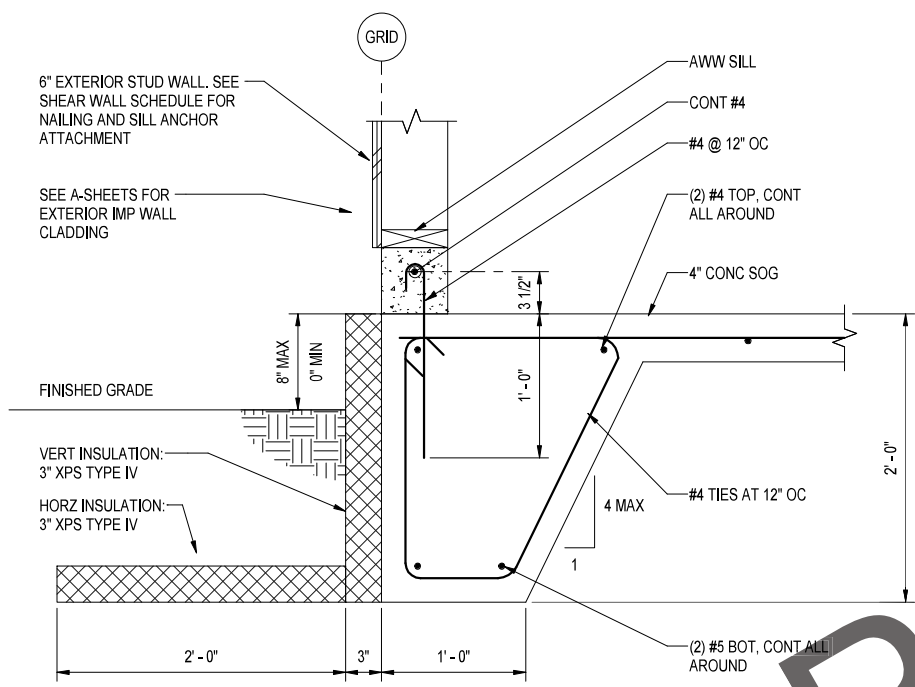
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 Checked By: DDS

RMI PROJECT NUMBER: 402022.113

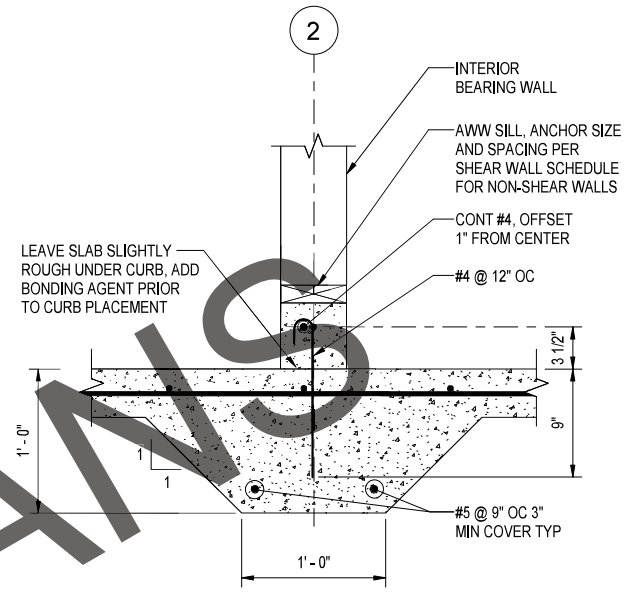


PLAN VIEW

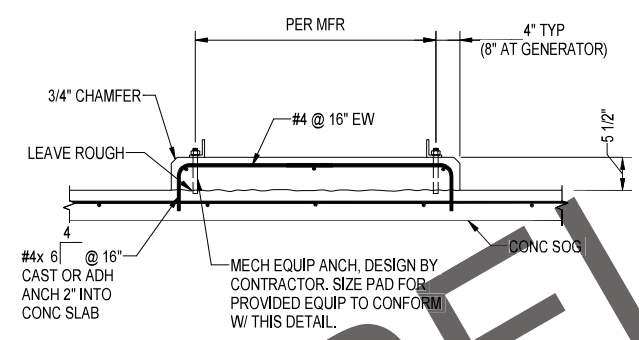
1 EEB CONC FOOTING DETAILS  
S32 3/4" x 1'-0"



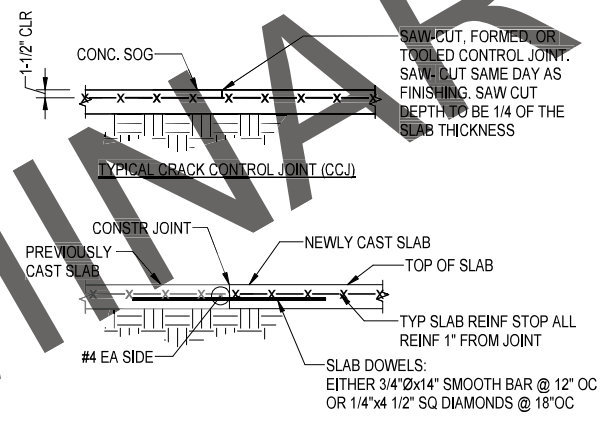
2 EEB EXTERIOR THICKENED SLAB FOOTING  
S32 1 1/2" x 1'-0"



3 EEB INTERIOR THICKENED SLAB FOOTING  
S32 1 1/2" x 1'-0"



4 EEB TYP HOUSEKEEPING PAD  
S32 3/4" x 1'-0"



5 EEB SOG JOINT DETAILS  
S32 3/4" x 1'-0"

- NOTES:**
- CONSTRUCTION JOINTS MAY BE USED AT ANY CONTROL JOINT.
  - LOCATE JOINTS BTWN 24x & 36x SLAB THICKNESS "1" IN BOTH DIRECTIONS.
  - CREATE SQUARE OR RECTANGULAR SPACES BTWN JOINTS (NOT TRIANGULAR). DO NOT EXCEED 1.5:1 ASPECT RATIO IN RECTANGULAR PORTIONS. DO NOT CREATE T-OR L-SHAPED PORTIONS. LOCATE JOINTS AT EACH RE-ENTRANT CORNER OR REIN W/ #4x4'-0" DIAG BAR.

PRELIMINARY PLANS

DOCUMENTATION BY:  
REID MIDDLETON, INC  
CERT OF AUTH: AECC598

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

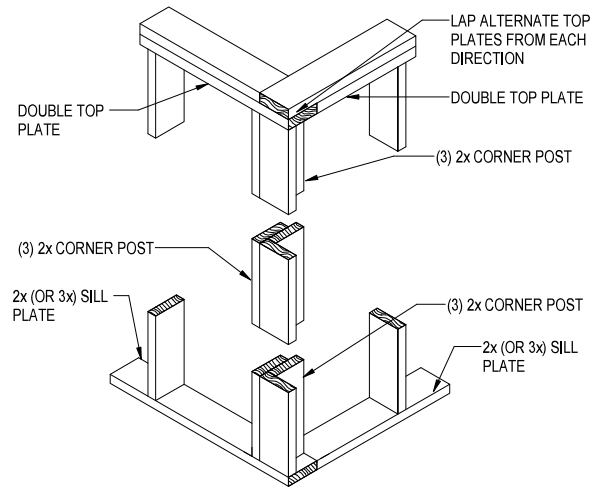
**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 EEB CONCRETE DETAILS

DATE: 03/06/2024  
 SHEET: S32 OF  
 OF

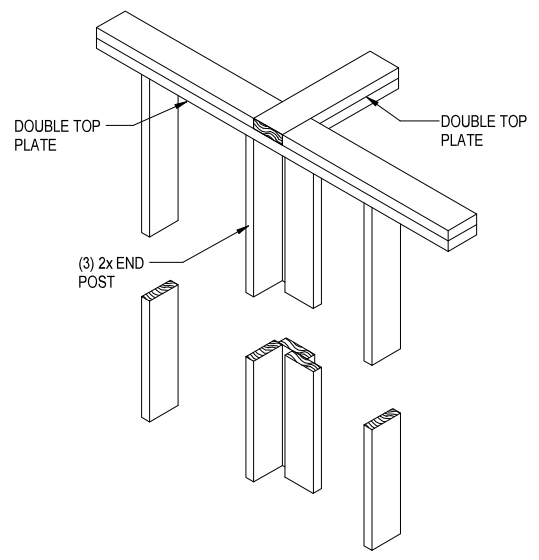


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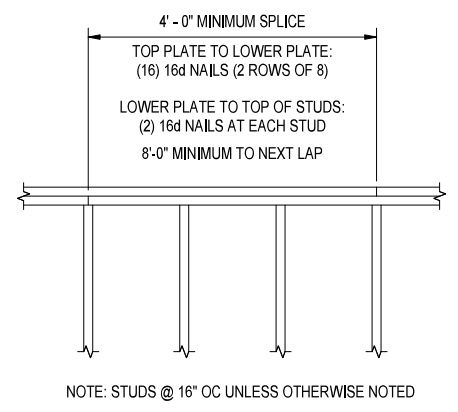
RMI PROJECT NUMBER: 402022.113



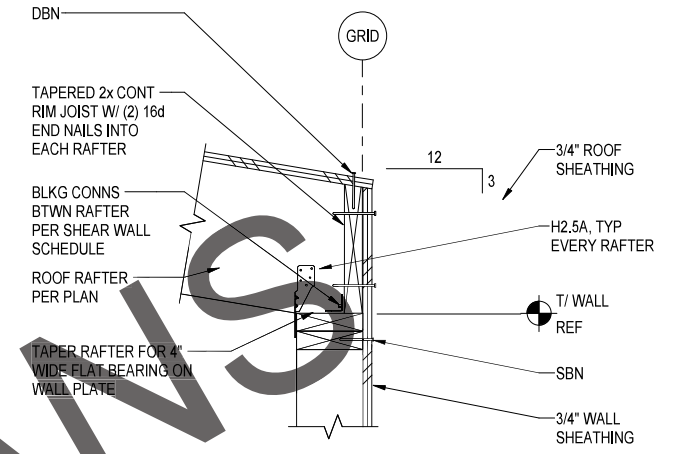
**1** TYP STUD WALL OUTSIDE CORNER  
S33 3/4" = 1'-0"



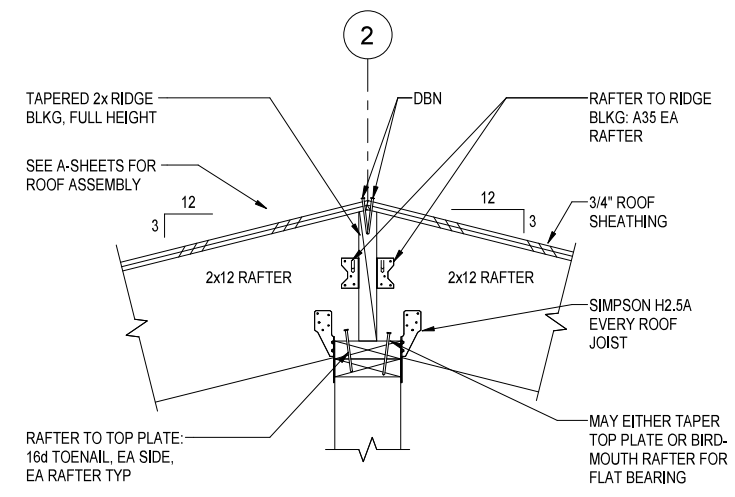
**2** TYP STUD WALL INTERSECTION  
S33 3/4" = 1'-0"



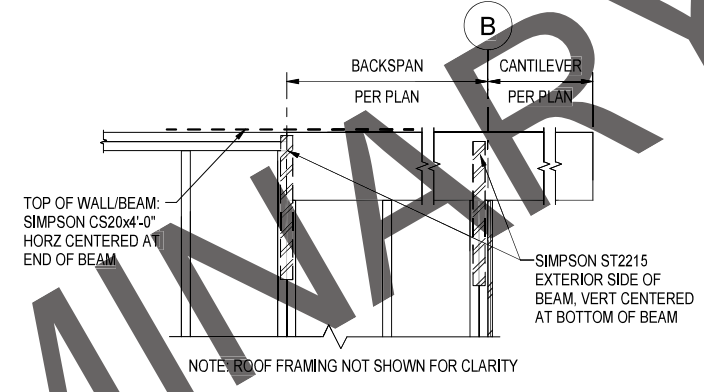
**3** TYP TOP PLATE DETAIL  
S33 3/4" = 1'-0"



**4** TYP ROOF RAFTER AT EAVES  
S33 1/12" = 1'-0"



**5** TYP RIDGE DETAIL  
S33 1/12" = 1'-0"



**6** TYP CANTILEVER SUPPORT BEAM ELEVATION  
S33 3/4" = 1'-0"

PRELIMINARY PLANS

**95% FACILITY DESIGN**

DOCUMENTATION BY:  
REID MIDDLETON, INC  
CERT OF AUTH: AECC598

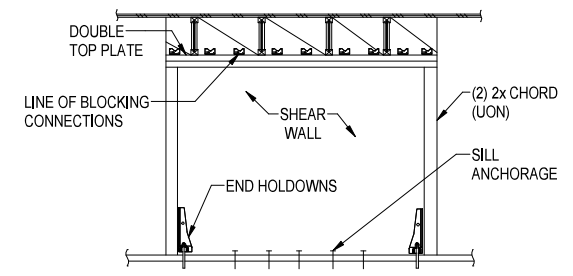
BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

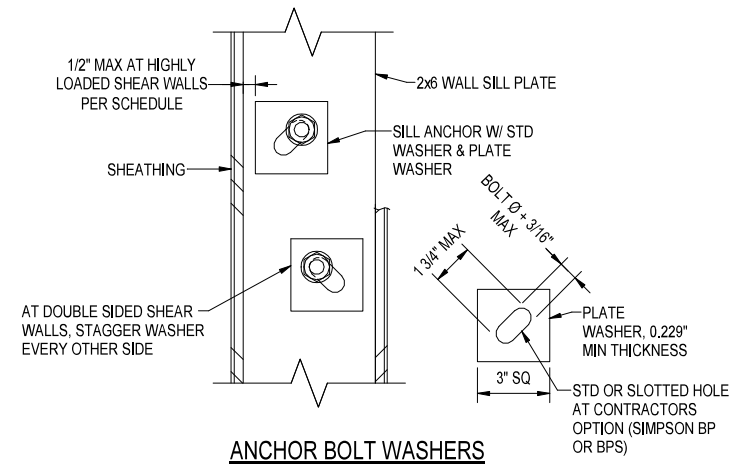
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 EEB FRAMING DETAILS

DATE:  
03/06/2024  
 SHEET:  
S33 OF  
 OF

Date Revised: 2/27/2024 3:14:14 PM  
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 Checked By: DDS  
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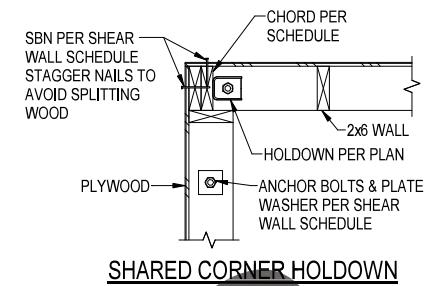


- SHEAR WALL SCHEDULE NOTES:**
1. NAIL SPACING AT INTERIOR SUPPORTS SHALL BE 12" O.C.
  2. USE MANUFACTURER RECOMMENDED FASTENERS IN ALL ANCHORS. FILL ALL HOLES WITH NAILS OR BOLTS AS RECOMMENDED.
  3. BLOCK ALL PLYWOOD PANEL EDGES IN SHEAR WALLS.
  4. WHERE INDICATED IN DETAILS THIS NAILING CALLED OUT AS "SBN".
  5. 3X STUDS REQUIRED ONLY AT VERTICAL EDGES OF PLYWOOD PANELS. MAY USE (2) 2x STUDS NAILED TOGETHER IN LIEU OF 3X.
  6. HIGHLY LOADED SHEAR WALL: SILL ANCHOR WASHER MUST BE LOCATED WITHIN 1/2" OF THE PLYWOOD



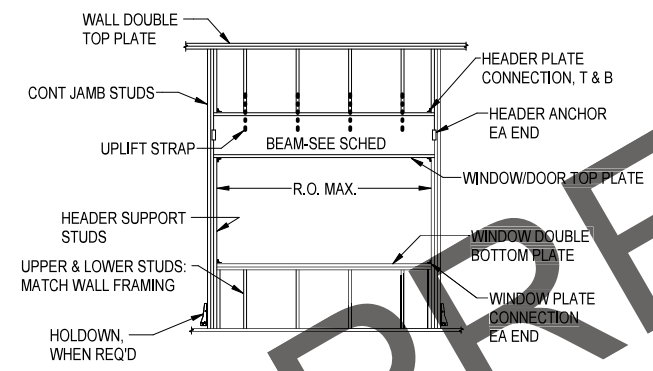
**ANCHOR BOLT WASHERS**

HOLDOWN SCHEDULE					
MARK	SIMPSON HOLDOWN	CHORD SIZE	ANCHOR BOLT	EMBED INTO TOP OF 8" CONC WALL	EMBED INTO FOOTING
4	HDU2-SDS2.5	(2) 2X	5/8"	11"	5"
5	HDU14-SDS2.5	(6) 2X	1"	11"	5"



**SHARED CORNER HOLDOWN**

SHEAR WALL SCHEDULE						
SHEAR WALL	MINIMUM SHEATHING	SINGLE / DOUBLE SIDED	NAILING REQ'D @ PLVD EDGES (NOTE 4)	SILL ANCHORAGE INTO CONC SLAB	BLOCKING CONNECTION	REMARKS
SW 6	23/32"	SINGLE	8d @ 6" O.C.	1/2" TITEN HD EMBED 3-1/4" @ 32" OC	16d TOENAILS 4" O.C.	
SW 4	23/32"	SINGLE	8d @ 4" O.C.	1/2" TITEN HD EMBED 3-1/4" @ 16" OC	A34 @ 16" O.C.	SEE NOTE 5
SW D3	23/32"	DOUBLE	10d @ 3" O.C.	1/2" TITEN HD EMBED 3-1/4" @ 8" OC	A34 @ 8" O.C.	SEE NOTES 5 & 6
NON SHEAR WALLS	23/32"	SINGLE	8d @ 6" O.C.	1/2" TITEN HD EMBED 3-1/4" @ 32" OC	NONE REQUIRED	



- HEADER SCHEDULE NOTES:**
1. METAL CONNECTOR DESIGNATED AS PER SIMPSON.
  2. JAMB STUD TO PLATE & UPPER STUD ANCHORS SHALL BE THE SAME AS TYP STUD FOR WALL UNLESS OTHERWISE NOTED.
  3. IF HEADER SUPPORT COINCIDES WITH SHEAR WALL CHORD LOCATION, USE THE LARGER QUANTITY OF STUDS REQUIRED BETWEEN THE HOLDOWN SCHEDULE AND THE HEADER SCHEDULE.

HEADER SCHEDULE								
MEMBER ID	BEAM SIZE	BEAM HEADER SUPPORT	JAMB STUD	UPLIFT STRAP	HEADER ANCHOR	HDR PL CONN	WINDOW PL CONN	REMARKS
H1	(2) 2x8	(2) 2x6	(1) 2x6	H2.5 T	(1) LTP4	(1) A34	(1) A34	
H2	(2) 2x10	(1) 2x6	(2) 2x6	H2.5 T	(1) LTP4	(1) A34	(1) A34	
H3	5-1/2x12 GLB	(2) 2x6	(3) 2x6	H2.5 T	LSTA18	(1) A34	(1) A34	

DOCUMENTATION BY:  
 REID MIDDLETON, INC  
 CERT OF AUTH: AECC598

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 EEB SCHEDULES

DATE: 03/06/2024  
 SHEET: S34 OF  
 OF

**95% FACILITY DESIGN**

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 Designed By: ISCH  
 Drawn By: JCF  
 Checked By: ISCH

R&M PROJECT NUMBER: 2793.01

ABBR.	EXPLANATION	SYMBOL
A	AIR - COMPRESSED	A
	AIR EXTRACTOR	
	AIR FLOW MEASURING DEVICE	
	AIR FOIL TURNING VANES	
AAV	AUTOMATIC AIR VENT	
AFF	ABOVE FINISHED FLOOR	
AR	ACID RESISTANT WASTE	
BDD	BACKDRAFT DAMPER	
BD	BALANCING DAMPER	
	BALANCING/ISOLATION DAMPER	
	BALL VALVE	
BTUH	BRITISH THERMAL UNITS/HOUR	
CC	COOLING COIL	
CFH	CUBIC FEET/HOUR	
CFM	CUBIC FEET/INCH	
CO	CLEANOUT	
	CARBON MONOXIDE SENSOR	
CV	CHECK VALVE	
CW	COLD WATER	
DD	DUCT DETECTOR	
DFU	DRAINAGE FIXTURE UNIT	
	DUCT IDENTIFICATION SYMBOL	
DN	DOWN	
(E)	EXISTING	
E/A	EXHAUST AIR	
	EXPANSION COMPRESSER	
F	FIRE	
FCO	FLOOR CLEANOUT	
FD	FIRE DAMPER	
FD	FLOOR DRAIN	
FDC	FIRE DEPARTMENT CONNECTION	
	FLEXIBLE CONNECTION	
	FLEXIBLE DUCT	
	FLOW CONTROL VALVE	
FOS	FUEL OIL SUPPLY	
FOR	FUEL OIL RETURN	
FPM	FEET PER MINUTE	
FU	FIXTURE UNITS	
G	GAS	
	GLOBE VALVE	
GPM	GALLONS PER MINUTE	
GR	GLYCOL RETURN	
GS	GLYCOL SUPPLY	
HB	HOSE BIBB	
HC	HEATING COIL	
HW	HOT WATER	
HWC	HOT WATER CIRCULATION	
HWR	HOT WATER RETURN	
HWS	HOT WATER SUPPLY	
IAPMO	INTL. ASSOC. OF PLUMBING AND MECH. OFFICIALS	
ID	INSIDE DIAMETER	
MBH	1000 BTU's	
MFG	MANUFACTURER	
MOD	MOTOR OPERATED DAMPER	
MOV	2-WAY MOTOR OPERATED VALVE	
MOV	3-WAY MOTOR OPERATED VALVE	
N.C.	NORMALLY CLOSED	
NIC	NOT IN CONTRACT	
	NITROGEN DIOXIDE SENSOR	
NPCW	NON-POTABLE COLD WATER	
NPHW	NON-POTABLE HOT WATER	
NPT	NOMINAL PIPE THREAD	
O/A	OUTSIDE AIR	
PH	PHASE	
	PIPE ANCHOR	
	PIPE GUIDE	
POC/POD	POINT OF CONNECTION/DISCONNECT	
	PRESSURE GAUGE	
PRV	PRESSURE RELIEF VALVE	
PW	PUMPED WASTE	
R/A	RETURN AIR	
RD	ROOF DRAIN	
RL	RAIN LEADER	
RPM	ROTATIONS PER MINUTE	
RV	RELIEF VALVE	
	RETURN AIR SLOT	

ABBR.	EXPLANATION	SYMBOL
	RETURN/EXHAUST AIR REG. OR GRILLE	
S	SANITARY SOIL	
S/A	SUPPLY AIR	
	SQUARE HEAD COCK	
	STRAINER WITH DRAIN VALVE	
SD	STORM DRAIN	
SL	ACOUSTICALLY LINED DUCT	
SP	SPRINKLER	
SF,SQFT	SQUARE FEET	
SS	STAINLESS STEEL	
	STATIC PRESSURE SENSOR	
	SUPPLY AIR SLOT W/FLEX DUCT	
	SUPPLY AIR REG. GRILLE, OR DIFFUSER	
TW	TEMPERED WATER	
	THERMALLY INSULATED DUCT OR PIPE	
	THERMOMETER	
T'STAT	THERMOSTAT	
T'STAT	RETURN AIR THERMOSTAT	
	UNION	
V	VENT	
VTR	VENT THRU ROOF	
WCO	WALL CLEANOUT	
W	WASTE	
YCO	YARD CLEANOUT	

THIS IS A STANDARD LEGEND, SOME SYMBOLS SHOWN ON LEGEND ARE NOT NECESSARILY ON THE DRAWING.

BOILER SCHEDULE							
SYMBOL	TYPE	FLUID (%)	FUEL	IBR BURNER CAPACITY	GROSS INPUT MBH	HP/VOLTS/PH	DESIGN BASIS
B-1A,B	CAST IRON	40% PG	#2 FUEL OIL	--	598	1 / 115 / 1	FUEL OIL FIRED BOILER, DE DIETRICH GT335A, OIL INPUT 4.15 GPH, BECKETT BURNER, OUTPUT 510 MBH

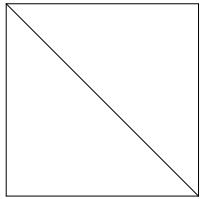
TANK SCHEDULE						
SYMBOL	FUNCTION	MEDIUM	TOTAL VOLUME GALLONS	MATERIAL	LABEL	DESIGN BASIS PRODUCT
(E) AC-1	AIR COMPRESSOR	AIR	60	STEEL	-	(E) DEWALT VERTICAL STATIONARY AIR COMPRESSOR, 3.7RHP / 230V / 1PH, CAST IRON, OIL LUBRICATED PUMP, MODEL DXCMLA3706056
AS-1	AIR SEPARATOR	40% PG	-	STEEL	ASME	SPIROVENT VDT300, COMBINATION AIR/DIRT SEPARATOR, NONREMOVABLE HEAD
AS-2	AIR SEPARATOR	50% PG	-	STEEL	ASME	SPIROCOMBI VDR150PFM, COMBINATION MAGNET AIR/DIRT SEPARATOR, THREADED
DT-1	FUEL OIL STORAGE	#2 FUEL OIL	60	STEEL	-	SIMPLEX STS SERIES W/ PCB 1 CONTROLS, FLOOR MOUNT, GRAVITY FEED TO BOILERS, 063 VENT CAP. SEE FOP-1 FOR FUEL PUMPS
ET-1	HYDRONIC EXPANSION	40% PG	-	STEEL/BUTYL	ASME	AMTROL MODEL XXX
ET-2	HYDRONIC EXPANSION	50% PG	-	STEEL/BUTYL	ASME	AMTROL MODEL XXX
ET-3	DOM HW EXPAN. (WH-1)	40% PG	-	STEEL/BUTYL	ASME	AMTROL MODEL XXX
GT-1	GLYCOL	40% PG	55	-	-	AXIOM MODEL SF-100
GT-2	GLYCOL	50% PG	xX	-	-	AXIOM MODEL MF200
OWS-1	OIL WATER SEPARATOR	WASTE	25	STEEL	-	ANCHORAGE TANK ATLLS-B-25 OIL WATER SEPARATOR
WH-1	DOMESTIC HW	H2O	20	STEEL	-	RHEEM POWERPACK E20A-9-G, 9KW INPUT

HEATING UNIT SCHEDULE										
SYMBOL	TYPE	FLUID (%)	FLUID (°F)		MBH	GPM	CFM	RPM	MOTOR HP/VOLTS/PH	DESIGN BASIS PRODUCT
			IN	OUT						
UH-1,-5	VERTICAL	40% PG	180	160	43.6	4.7	1590	1050	1/15 / 115 / 1	MODINE V/VN 78
UH-6	HORIZ.	40% PG	180	160	46	4.6	1340	1625	1/8 / 115 / 1	MODINE HSB/HC 86
UH-7	HORIZ.	40% PG	180	160	4.67	0.5	340	1550	1/60 / 115 / 1	MODINE HSB/HC18
HX-1	HEAT EXCHANGER	40% PG TO 50% PG	40% PG:180 50% PG:75	40% PG:150 50% PG:100	157.5	11.3/ 14.2	N/A	N/A	N/A	BRAZED PLATE, TACO TB12MTX20

FAN SCHEDULE											
SYMBOL	LOCATION	CFM	S.P.		RPM	O.V. FPM	TYPE		USE	MOTOR HP/VOLTS/PH	DESIGN BASIS PRODUCT
			TOT	EXT			FAN	WHL			
EF-1	MEZZANINE	7500	-	-	1725	1018	36"	-	-	2 / 208 / 3	COOK 36 AWB
EF-2	MEZZANINE	500	-	-	1725	500	10"	-	-	1/6 / 115 / 1	COOK 80SQN-B
VF-1	MECH	919	-	-	1725	526	12"	-	-	1/3 / 115 / 1	COOK 120SQN17D OR91
F-1	SHOP BAY	25500	-	-	280	-	4-8"	PROP	S/A	110W / 115 / 1	LEADING EDGE CEILING FAN, HARSH APPLICATION MODEL 56101

PUMP SCHEDULE									
SYMBOL	LOCATION	SERVICE	FLUID		GPM	HEAD FT.	RPM	MOTOR HP/VOLTS/PH	DESIGN BASIS PRODUCT
			TYPE	TEMP					
PMP-1A,B	MECH	BOILER CIRCULATION	40% PG	180°	57.0	20	1750	1.5 / 208 / 3	GRUNDFOS UPS 50-160 F
PMP-2A,B	MECH	SYSTEM CIRCULATION	40% PG	180°	39.9	25	1750	1.5 / 208 / 3	GRUNDFOS UPS 50-160 F
PMP-3A,B	MECH	RADIANT FLOOR CIRCULATION	40% PG	120°	28	52	-	1.5 / 208 / 3	GRUNDFOS UPS 50-240 F
PMP-4	MECH	SNOWMELT CIRCULATION	50% PG	100°	14.5	42	-	1.5 / 208 / 3	GRUNDFOS UPS 50-240 F
PMP-5	MECH	DOMESTIC	H2O	120°	15	5	-	FRAC / 115 / 1	GRUNDFOS UP 26
FOP-1	SHOP BAY	DAY TANK	FUEL OIL	-	2	-	-	1/3 / 115 / 1	SIMPLEX DUPLEX SPS-25-BD SERIES PACKAGED PUMP SET

PLUMBING FIXTURE SCHEDULE							
SYMBOL	FIXTURE	SOIL	WASTE	VENT	H.W	C.V	REMARKS
P-1	MOP SINK	-	3"	1-1/2"	3/4"	3/4"	FLORESTONE TERRAZZO MODEL 20 FLOOR MOUNTED WITH FAUCET
P-2	SERVICE SINK	-	1-1/2"	1-1/2"	1/2"	1/2"	ELKAY SS8130R W/ AN ELKAY LK940BR07T6S FAUCET
P-3	EYE WASH STATION	-	1-1/2"	1-1/4"	1/2"	1/2"	GUARDIAN G1891, STAINLESS STEEL BOWL COVER, CHROME PLATED BRASS TAILPIECE AND TRAP WITH 1-1/2" IPS WASTE CONNECTION, THERMOSTATIC MIXING VALVE
FD-1	FLOOR DRAIN	-	2"	1-1/2"	-	1/2"	JR SMITH 2005, ADJUSTABLE STRAINER HEAD, NO-HUB OUTLET, TRAP PRIMER
HB-1	INTERIOR HOSE BIBB	-	-	-	-	3/4"	ACORN 8121CP-LF, INTERIOR, VACUUM BREAKER
TD-1	TRENCH DRAIN	-	4"	-	-	-	ZURN Z882, 12" WIDE REVEAL TRENCH DRAIN, STEEL FRAME AND GRATE, MODULAR CHANNEL SECTIONS, 12"x24" CATCH BASIN
TP-1	ELECTRONIC TRAP PRIMER	-	-	-	-	3/4"	PRIME TIME PTS. 0.3 AMP, 120V, 1PH, TIMER, VACUUM BREAKER, SURFACE MOUNTED, SOLENOID, SELECT MODEL BASED ON NUMBER OF CONNECTIONS REQUIRED



BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB - LEGENDS, SCHEDULES AND DETAILS

DATE: 3/6/2024  
 SHEET: M1 OF 1  
 OF

**95% FACILITY DESIGN**

PLANS DEVELOPED BY:  
 MBA CONSULTING ENGINEERS, INC.  
 CERT. OF AUTH. AECC578

Date Revised: 3/5/2024 3:39:30 PM  
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 Drawn By: JCF  
 Checked By: ISCH

R&M PROJECT NUMBER: 2793.01

### HEATING UNIT SCHEDULE

SYMBOL	TYPE	FLUID (%)	FLUID (°F)		MBH	GPM	CFM	RPM	MOTOR HP/VOLTS/PH	DESIGN BASIS PRODUCT
			IN	OUT						
UH-1,- 5	VERTICAL	40% PG	180	160	43.6	4.7	1590	1050	1/15 / 115 / 1	MODINE VVN 78
UH-6	HORIZ.	40% PG	180	160	46	4.6	1340	1625	1/8 / 115 / 1	MODINE HSB/HC 86
UH-7	HORIZ.	40% PG	180	160	4.67	0.5	340	1550	1/60 / 115 / 1	MODINE HSB/HC18

### HEAT EXCHANGER SCHEDULE

SYMBOL	MBH	FLUID		GPM		HOT TEMP		COLD TEMP		PRES. DROP		DESIGN BASIS PRODUCT
		HOT	COLD	HOT	COLD	IN	OUT	IN	OUT	HOT	COLD	
HX-1	157.5	40% PG	50% PG	11.3	14.2	180	150	75	100	3'	4.3	BRAZED PLATE, TACO TB12MTX20

### FAN SCHEDULE

SYMBOL	LOCATION	CFM	S.P.		RPM	O.V. FPM	TYPE		USE	MOTOR HP/VOLTS/PH	DESIGN BASIS PRODUCT
			TOT	EXT			FAN	WHL			
EF-1	MEZZANINE	7500	-	-	1725	1018	36"	-	-	2 / 208 / 3	COOK 36 AWB
EF-2	MEZZANINE	500	-	-	1725	500	10"	-	-	1/6 / 115 / 1	COOK 80SQN-B
VF-1	MECH	919	-	-	1725	526	12"	-	-	1/3 / 115 / 1	COOK 120SQN17D OR91
F-1	SHOP BAY	25500	-	-	280	-	4'-8"	PROP	S/A	110W / 115 / 1	LEADING EDGE CEILING FAN, HARSH APPLICATION MODEL 56101

### PUMP SCHEDULE

SYMBOL	LOCATION	SERVICE	FLUID		GPM	HEAD FT.	RPM	MOTOR HP/VOLTS/PH	DESIGN BASIS PRODUCT
			TYPE	TEMP					
PMP-1A,B	MECH	BOILER CIRCULATION	40% PG	180°	57.0	20	1750	1.5 / 208 / 3	GRUNDFOS UPS 50-160 F
PMP-2A,B	MECH	SYSTEM CIRCULATION	40% PG	180°	39.9	25	1750	1.5 / 208 / 3	GRUNDFOS UPS 50-160 F
PMP-3A,B	MECH	RADIANT FLOOR CIRCULATION	40% PG	120°	28	52	-	1.5 / 208 / 3	GRUNDFOS UPS 50-240 F
PMP-4	MECH	SNOWMELT CIRCULATION	50% PG	100°	14.5	42	-	1.5 / 208 / 3	GRUNDFOS UPS 50-240 F
PMP-5	MECH	DOMESTIC	H2O	120°	15	5	-	FRAC / 115 / 1	GRUNDFOS UP 26
FOP-1	SHOP BAY	DAY TANK	FUEL OIL	-	2	-	-	1/3 / 115 / 1	SIMPLEX DUPLEX SPS-25-BD SERIES PACKAGED PUMP SET

### PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	SOIL	WASTE	VENT	H.W	C.W	REMARKS
P-1	MOP SINK	-	3"	1-1/2"	3/4"	3/4"	FLORESTONE TERRAZZO MODEL 20 FLOOR MOUNTED WITH FAUCET
P-2	SERVICE SINK	-	1-1/2"	1-1/2"	1/2"	1/2"	FLORESTONE MODEL FM-1 UTILITY SINK, 20 GALLON CAPACITY WITH FAUCET
P-3	EYE WASH STATION	-	1-1/2"	1-1/4"	1/2"	1/2"	GUARDIAN G1891, STAINLESS STEEL BOWL COVER, CHROME PLATED BRASS TAILPIECE AND TRAP WITH 1-1/2" IPS WASTE CONNECTION, THERMOSTATIC MIXING VALVE
FD-1	FLOOR DRAIN	-	2"	1-1/2"	-	1/2"	JR SMITH 2005, ADJUSTABLE STRAINER HEAD, NO-HUB OUTLET, TRAP PRIMER
HB-1	INTERIOR HOSE BIBB	-	-	-	-	3/4"	ACORN 8121CP-LF, INTERIOR, VACUUM BREAKER
TD-1	TRENCH DRAIN	-	4"	-	-	-	ZURN Z882, 12" WIDE REVEAL TRENCH DRAIN, STEEL FRAME AND GRATE, MODULAR CHANNEL SECTIONS, 12"x24" CATCH BASIN
TP-1	ELECTRONIC TRAP PRIMER	-	-	-	-	3/4"	PRIME TIME PTS, 0.3 AMP, 120V, 1PH, TIMER, VACUUM BREAKER, SURFACE MOUNTED, SOLENOID, SELECT MODEL BASED ON NUMBER OF CONNECTIONS REQUIRED

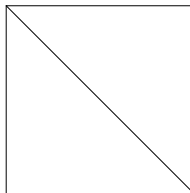
### BOILER SCHEDULE

SYMBOL	TYPE	FLUID (%)	FUEL	IBR BURNER CAPACITY	GROSS INPUT MBH	HP/VOLTS/PH	DESIGN BASIS
B-1A,B	CAST IRON	40% PG	#2 FUEL OIL	--	598	1 / 115 / 1	FUEL OIL FIRED BOILER, DE DIETRICH GT335A, OIL INPUT 4.15 GPH, BECKETT BURNER, OUTPUT 510 MBH

### TANK SCHEDULE

SYMBOL	FUNCTION	MEDIUM	TOTAL VOLUME GALLONS	MATERIAL	LABEL	DESIGN BASIS PRODUCT
(E) AC-1	AIR COMPRESSOR	AIR	60	STEEL	-	(E) DEWALT VERTICAL STATIONARY AIR COMPRESSOR, 3.7RHP / 230V / 1PH, CAST IRON, OIL LUBRICATED PUMP, MODEL DXCMLA3706056
AS-1	AIR SEPARATOR	40% PG	-	STEEL	ASME	SPIROVENT VDT300, COMBINATION AIR/DIRT SEPARATOR, NONREMOVABLE HEAD
AS-2	AIR SEPARATOR	50% PG	-	STEEL	ASME	SPIROCOMBI VDR150PFM, COMBINATION MAGNET AIR/DIRT SEPARATOR, THREADED
DT-1	FUEL OIL STORAGE	#2 FUEL OIL	60	STEEL	-	SIMPLEX STS SERIES W/ PCB-1 CONTROLS, FLOOR MOUNT, GRAVITY FEED TO BOILERS, 063 VENT CAP, SEE FOP-1 FOR FUEL PUMPS
ET-1	HYDRONIC EXPANSION	40% PG	-	STEEL/BUTYL	ASME	AMTROL MODEL XXX
ET-2	HYDRONIC EXPANSION	50% PG	-	STEEL/BUTYL	ASME	AMTROL MODEL XXX
ET-3	DOM HW EXPAN. (WH-1)	40% PG	-	STEEL/BUTYL	ASME	AMTROL MODEL XXX
GT-1	GLYCOL	40% PG	55	-	-	AXIOM MODEL SF-100
GT-2	GLYCOL	50% PG	6	-	-	AXIOM MODEL MF200
OWS-1	OIL WATER SEPARATOR	WASTE	25	STEEL	-	ANCHORAGE TANK ATLLS-B-25 OIL WATER SEPARATOR
WH-1	DOMESTIC HW	H2O	20	STEEL	-	RHEEM POWERPACK E20A-9-G, 9KW INPUT

PLANS DEVELOPED BY:  
MBA CONSULTING ENGINEERS, INC.  
CERT. OF AUTH. AECC578



BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB - SCHEDULES AND DETAILS

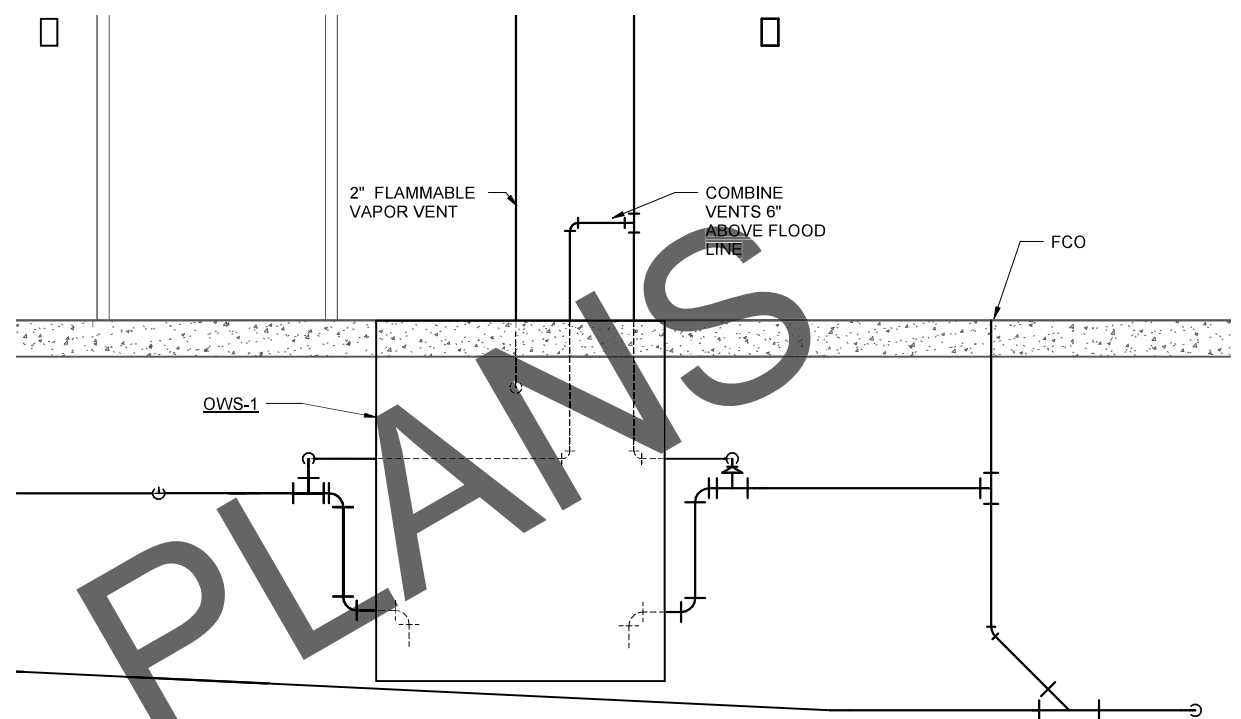
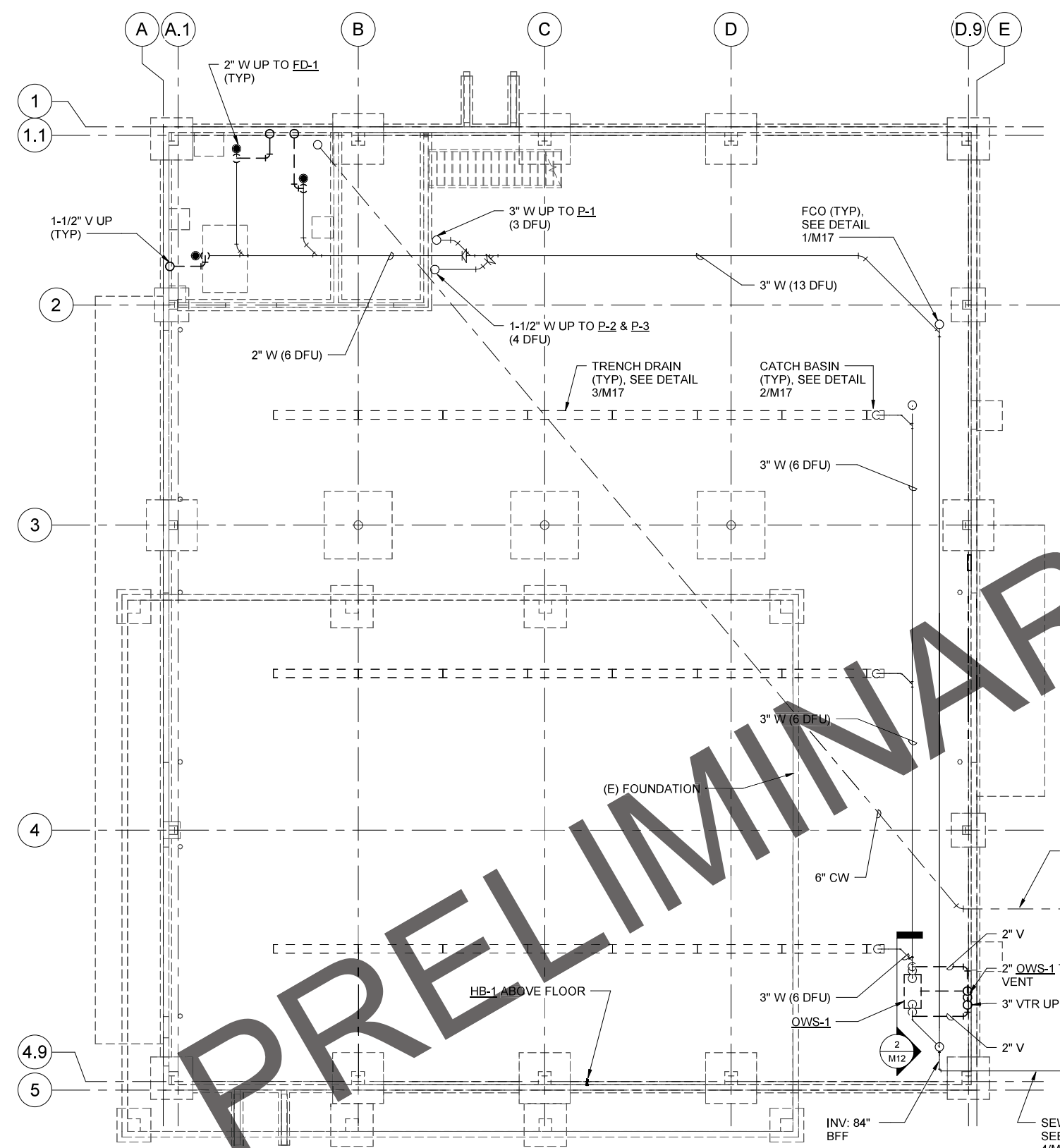
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**95% FACILITY DESIGN**



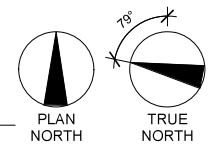
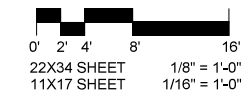
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R&M PROJECT NUMBER: 2793.01



2 OIL WATER SEPARATOR DETAIL  
M12 NTS

1 UNDERFLOOR PLUMBING  
M12 1/8" = 1'-0"



PLANS DEVELOPED BY:  
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CERT. OF AUTH. AECC578

BY	DATE	REVISION

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
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 STATEWIDE PUBLIC FACILITIES

**VALDEZ AIRPORT**  
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 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB - UNDERFLOOR PLAN

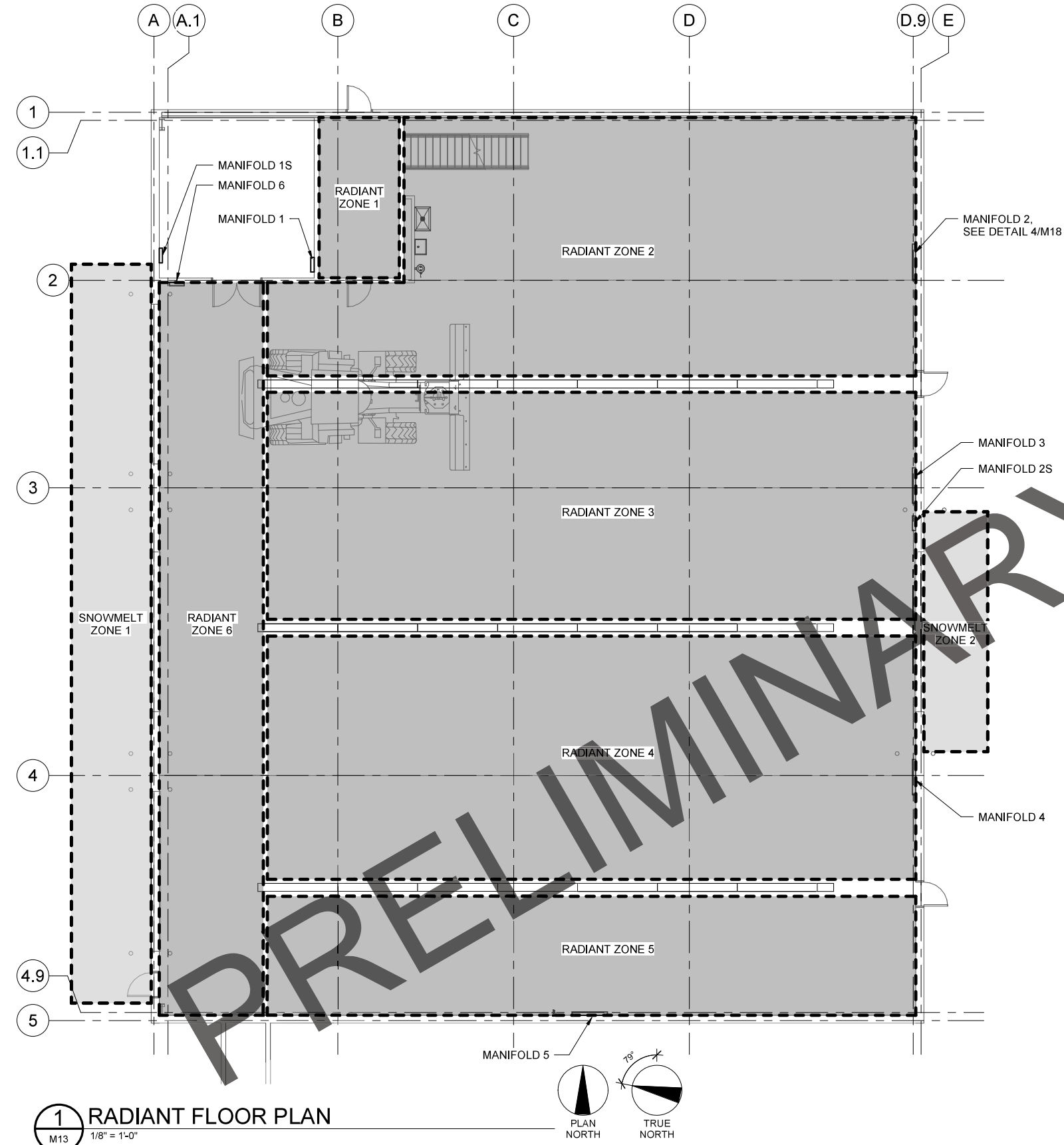
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PRELIMINARY PLANS

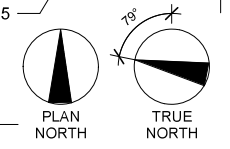
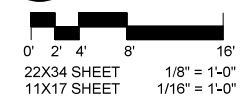
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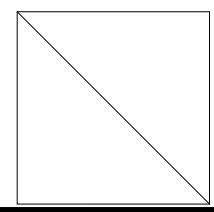
R&M PROJECT NUMBER: 2793.01



**1 RADIANT FLOOR PLAN**  
 M13 1/8" = 1'-0"



PLANS DEVELOPED BY:  
 MBA CONSULTING ENGINEERS, INC.  
 CERT. OF AUTH.: AECC578



BY	DATE	REVISION

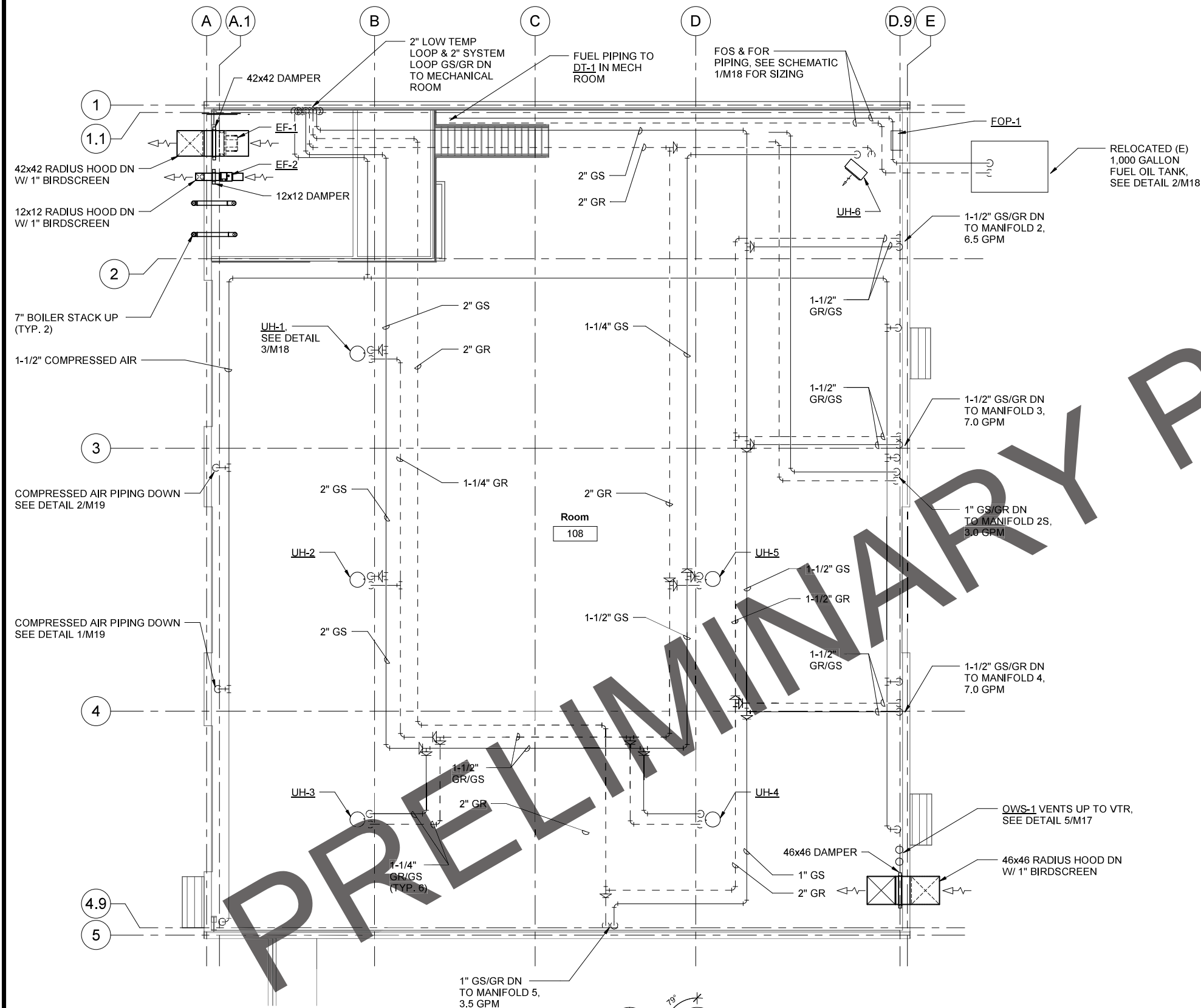
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**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB - RADIANT FLOOR

DATE: 3/6/2024  
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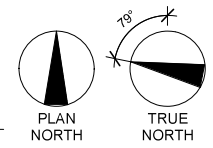
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R&M PROJECT NUMBER: 2793.01



**1 MECHANICAL HVAC PLAN**

M14  
 1/8" = 1'-0"  
 0' 2' 4' 8' 16'  
 22X34 SHEET 1/8" = 1'-0"  
 11X17 SHEET 1/16" = 1'-0"



PLANS DEVELOPED BY:  
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PRELIMINARY PLANS

BY	DATE	REVISION

**STATE OF ALASKA**  
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**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

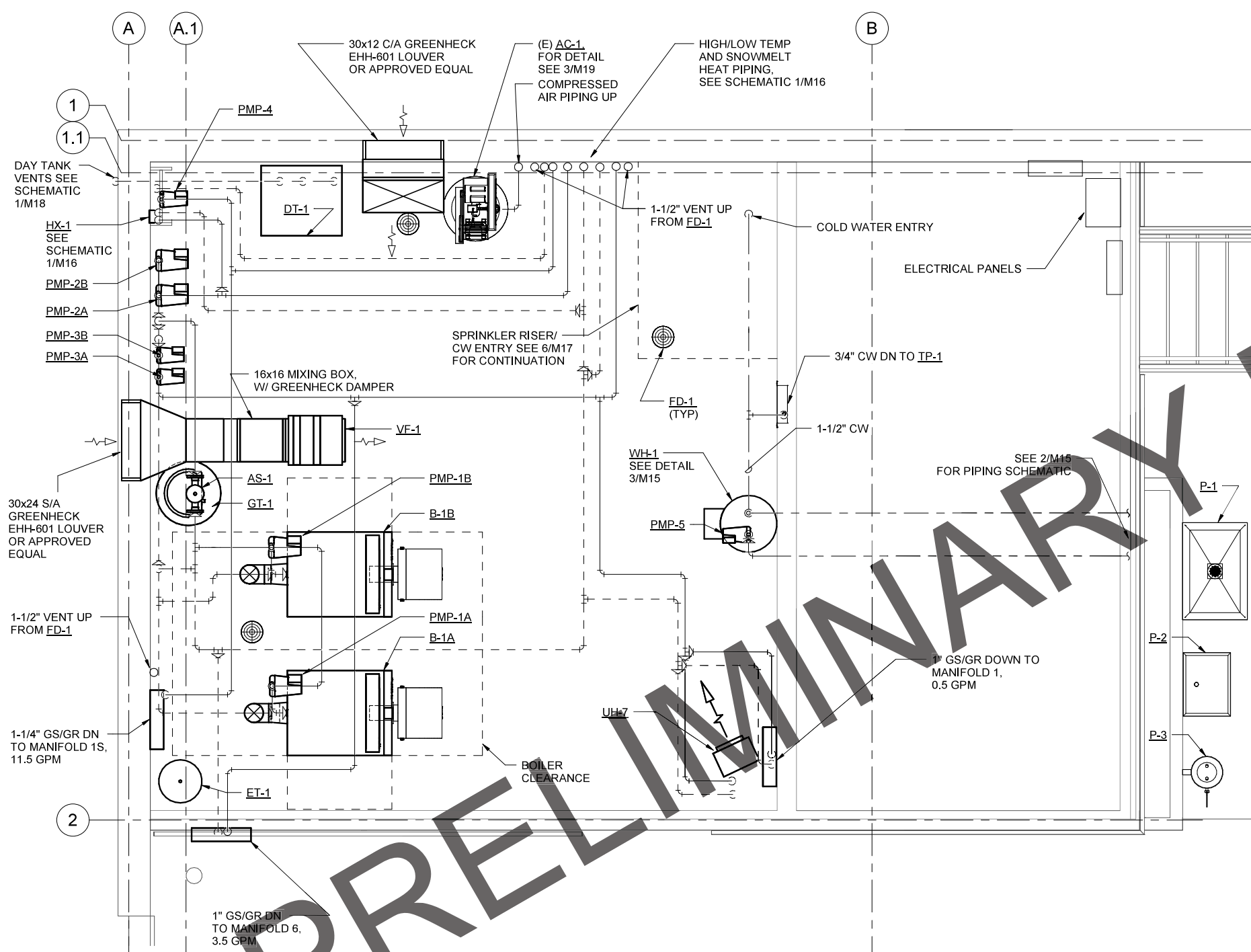
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 PROJECT No. Z618600000  
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 SREB - MECHANICAL PLAN

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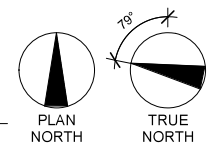


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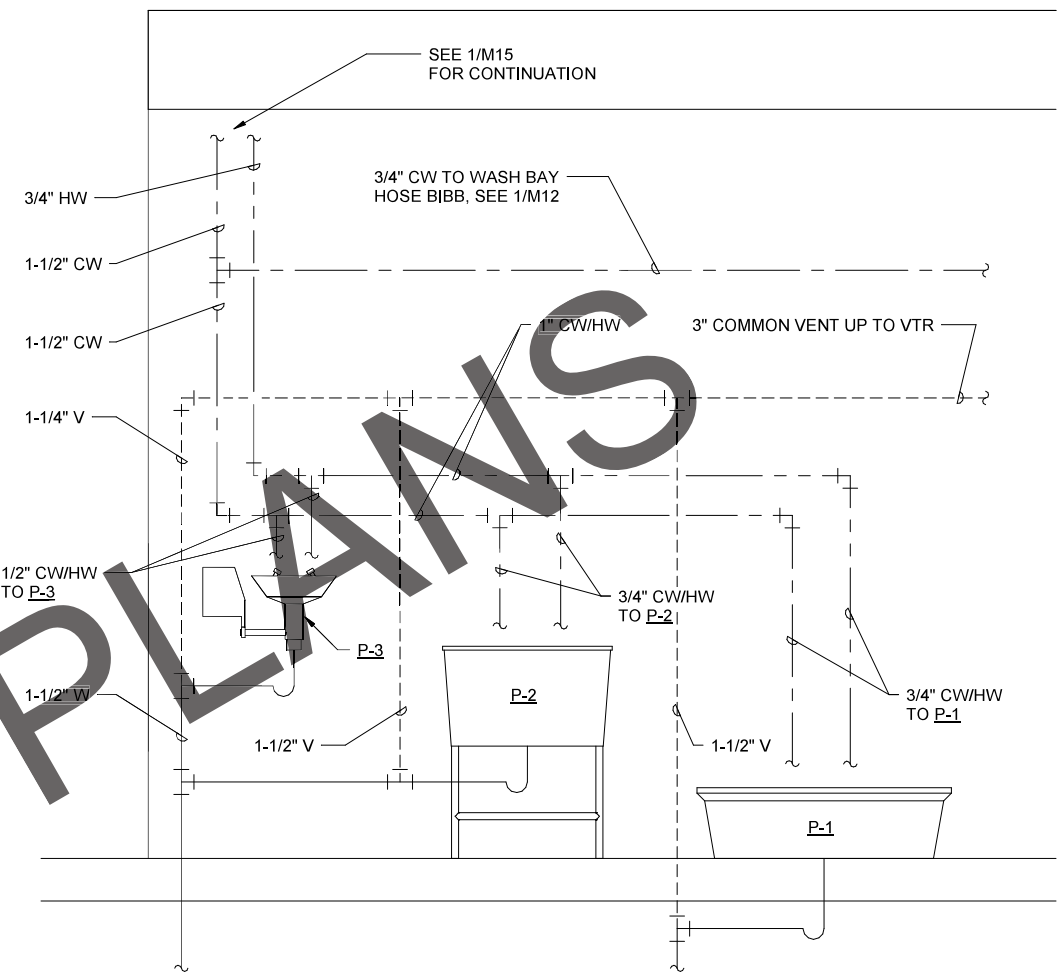
R&M PROJECT NUMBER: 2793.01



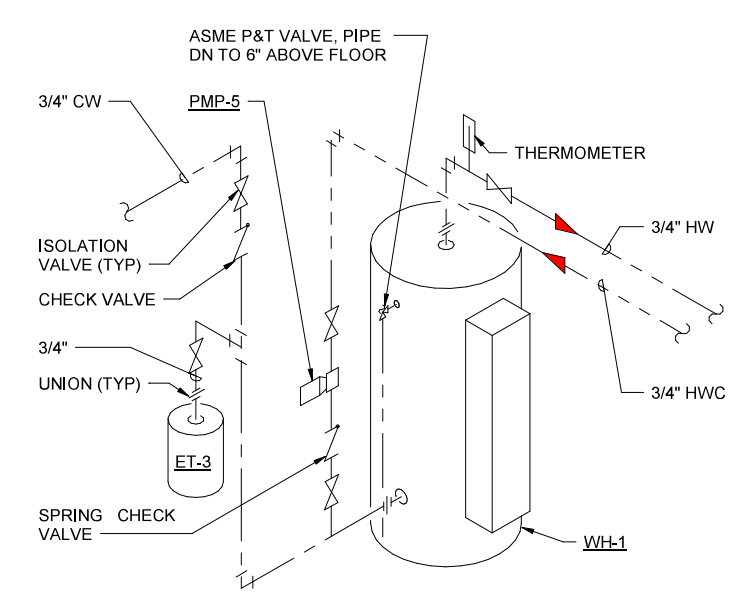
**1 ENLARGED MECHANICAL ROOM**  
 M15 1/2" = 1'-0"



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**2 PLUMBING PIPING SCHEMATIC**  
 M15 NTS



**3 ELECTRIC WATER HEATER DETAIL**  
 M15 NTS

BY	DATE	REVISION

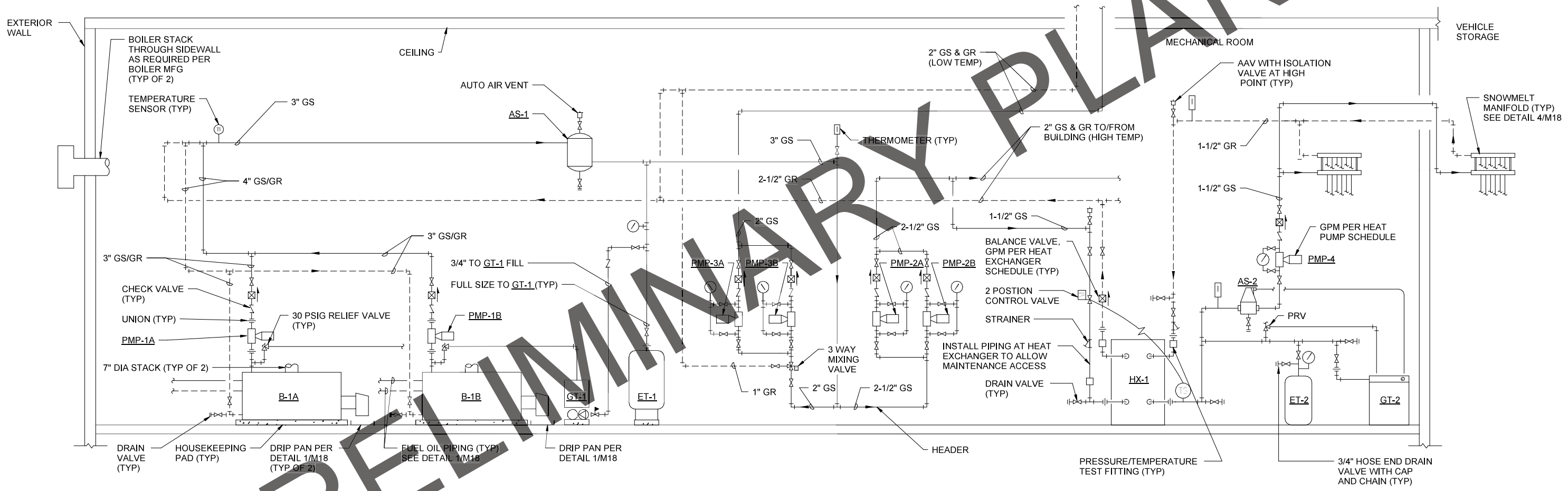
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**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
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 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB - ENLARGED MECHANICAL ROOM

DATE: 3/6/2024  
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 OF

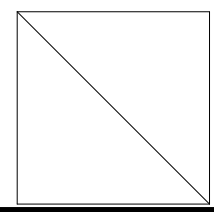
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 Designer: Author  
 Drawn By: Author  
 Checked By: Checker

R&M PROJECT NUMBER: 2793.01



**1 BOILER PIPING SCHEMATIC**  
 M16 NTS

PLANS DEVELOPED BY:  
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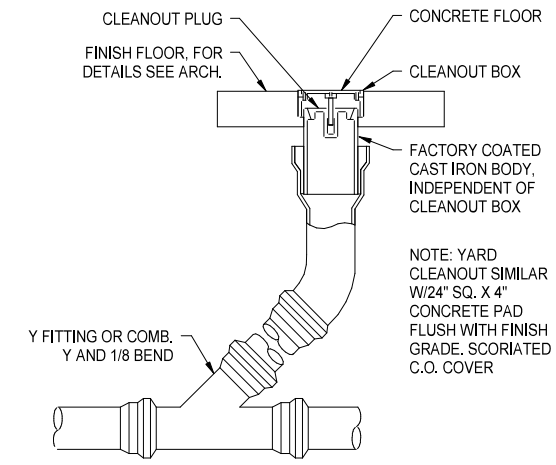
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**DEPARTMENT OF TRANSPORTATION**  
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**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
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 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB - BOILER PIPING SCHEMATIC

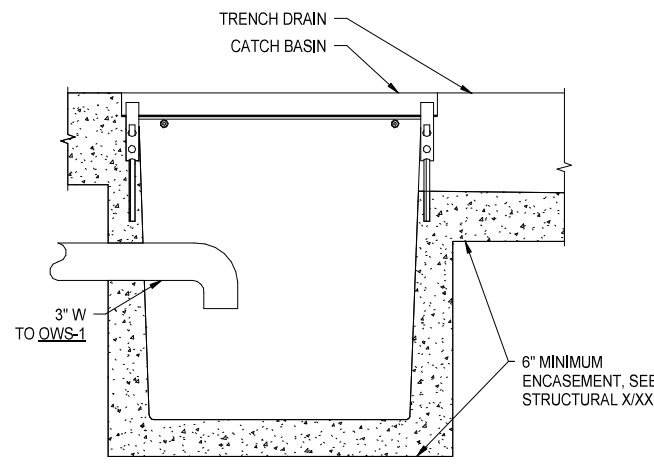
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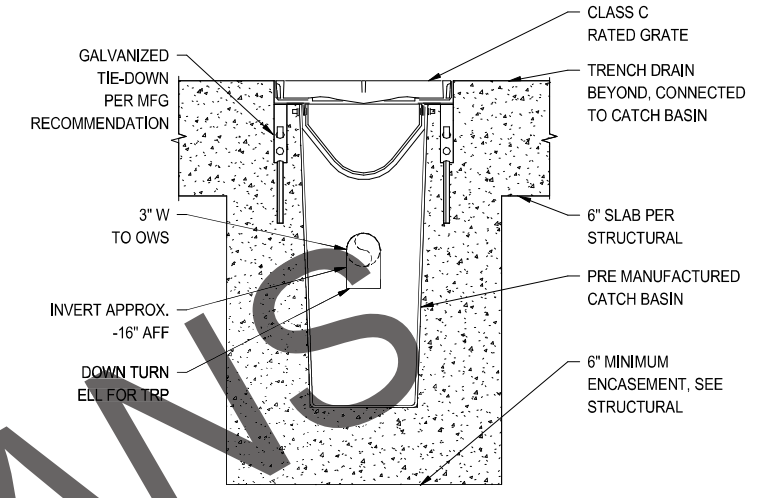
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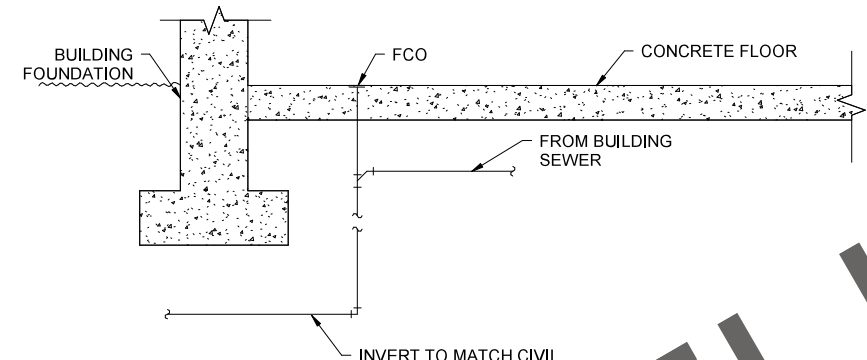
**1 FLOOR CLEANOUT DETAIL**  
M17 NTS



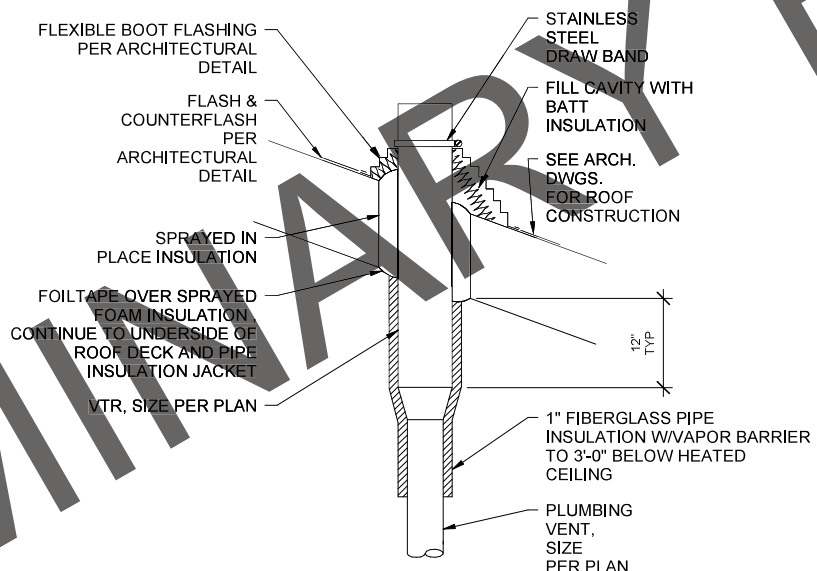
**2 CATCH BASIN DETAIL**  
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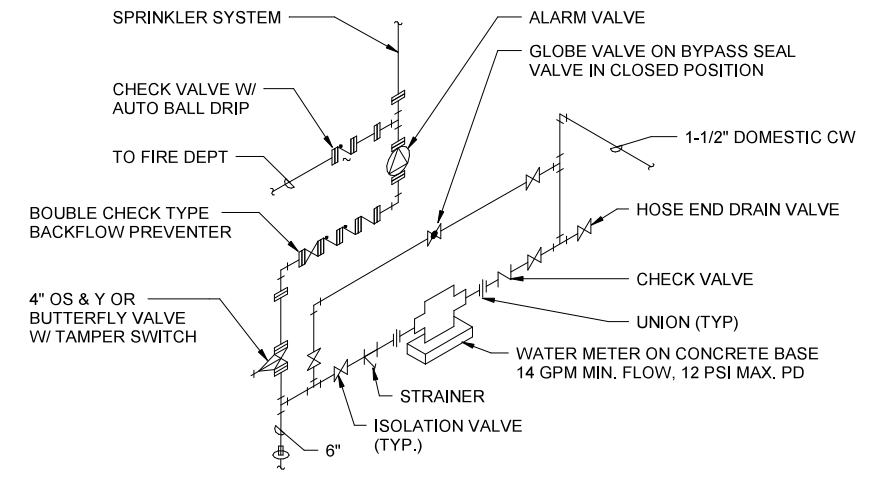
**3 TRENCH DRAIN DETAIL**  
M17 NTS



**4 SEWER ENTRY DETAILS**  
M17 NTS



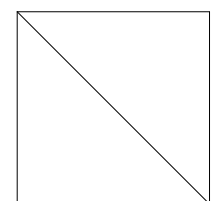
**5 VENT THROUGH ROOF DETAIL**  
M17 NTS



**6 WATER SERVICE ENTRY**  
M17 12" = 1'-0"

PRELIMINARY PLANS

PLANS DEVELOPED BY:  
MBA CONSULTING ENGINEERS, INC.  
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BY	DATE	REVISION

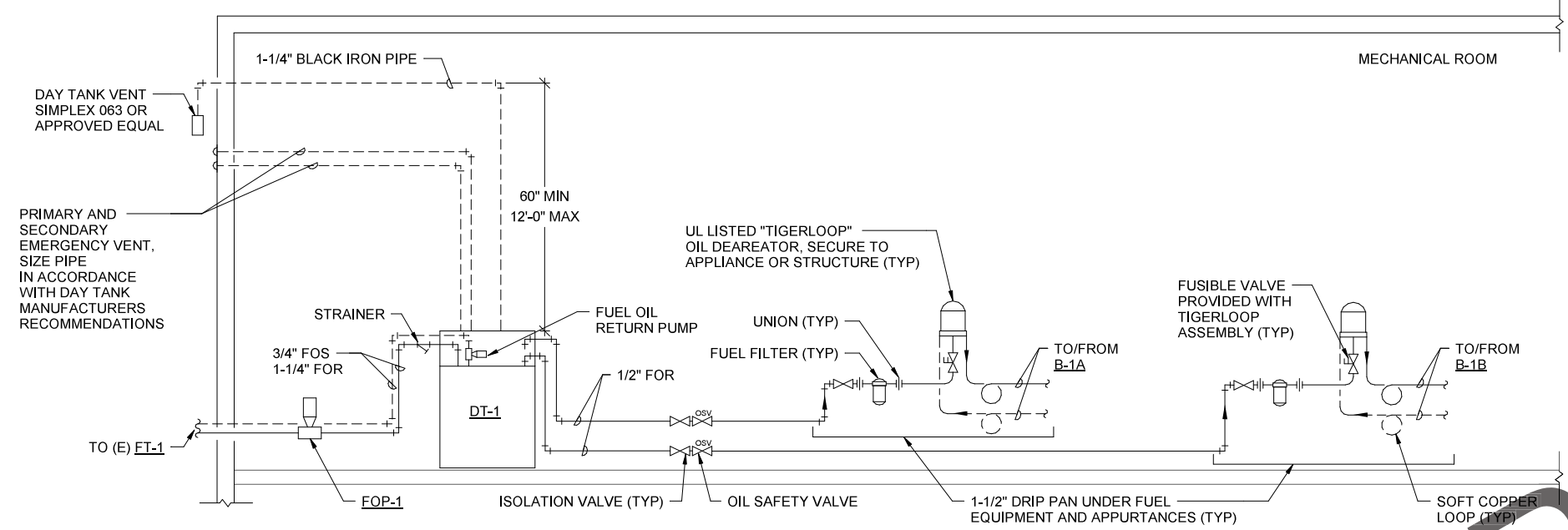
**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB - PLUMBING DETAILS

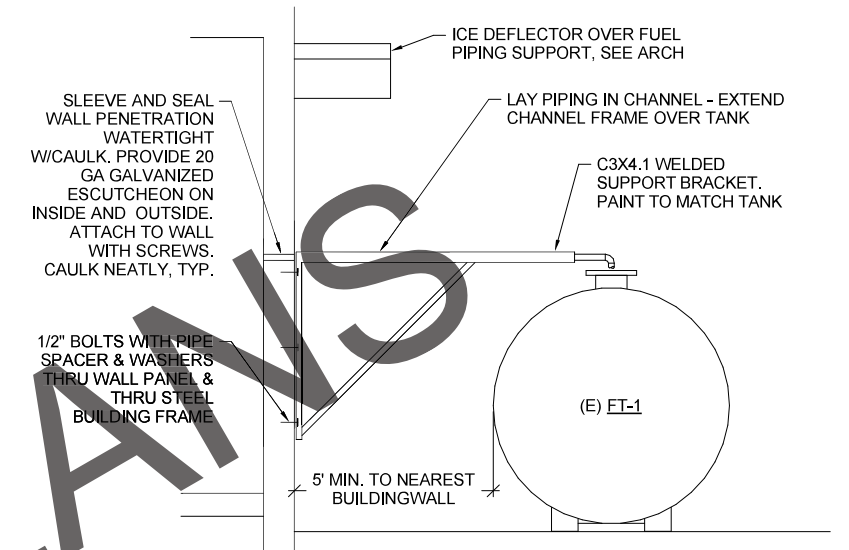
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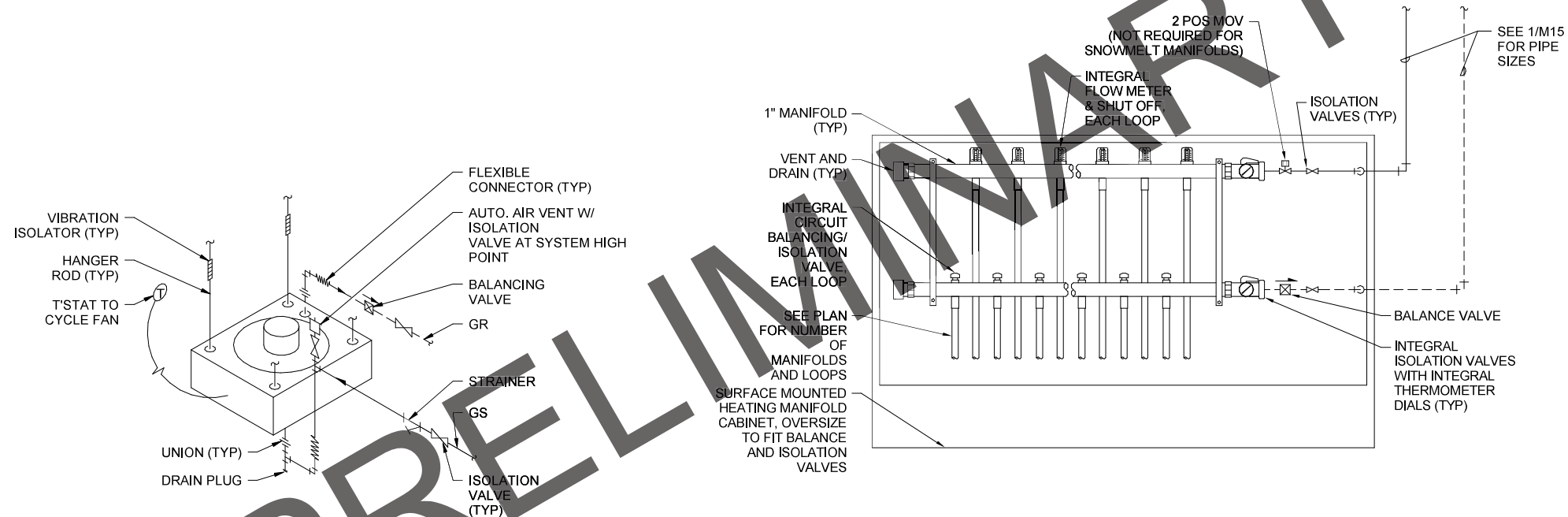
R&M PROJECT NUMBER: 2793.01



**1 FUEL OIL PIPING DETAIL**  
M18 NTS

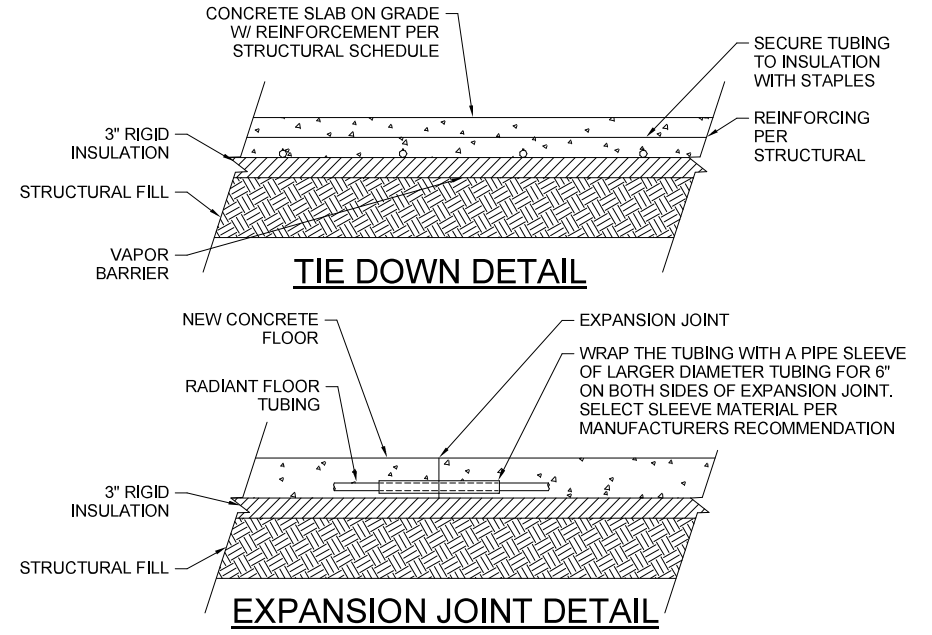


**2 FUEL TANK PIPING SUPPORT**  
M18 NTS



**3 VERTICAL UNIT HEATER DETAIL**  
M18 NTS

**4 RADIANT MANIFOLD DETAIL**  
M18 NTS



**5 RADIANT FLOOR DETAIL**  
M18 NTS

PLANS DEVELOPED BY:  
MBA CONSULTING ENGINEERS, INC.  
CERT. OF AUTH. AECC578

BY	DATE	REVISION

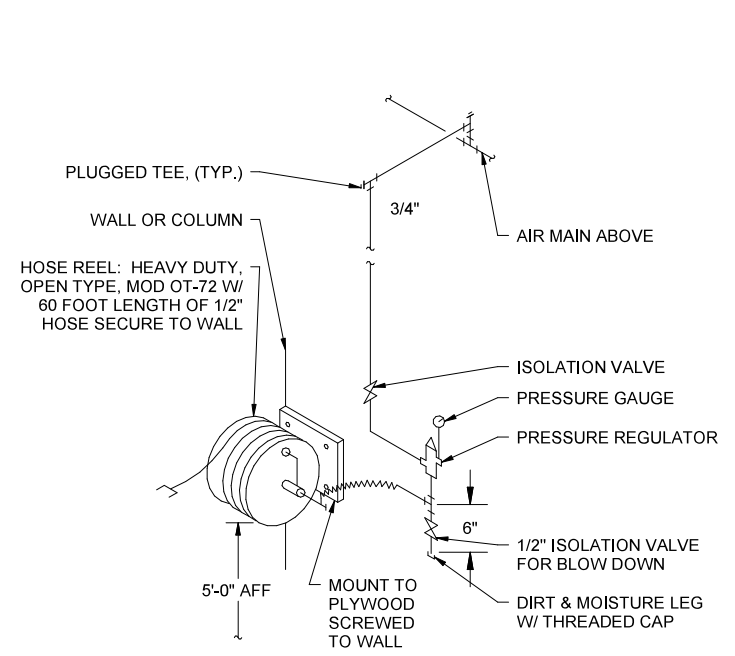
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**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
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 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
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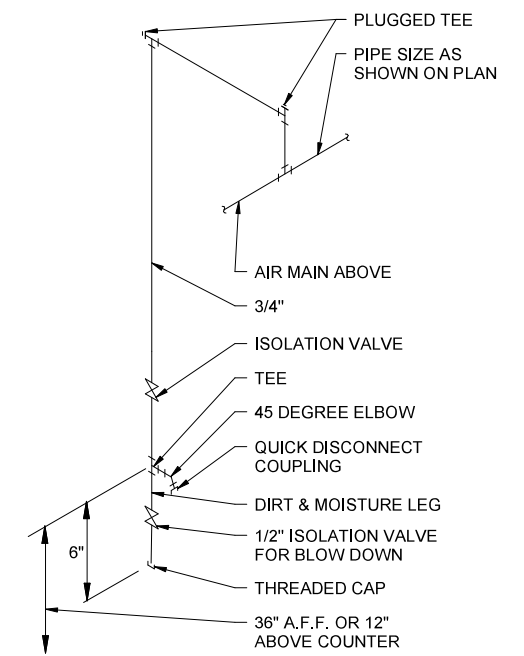
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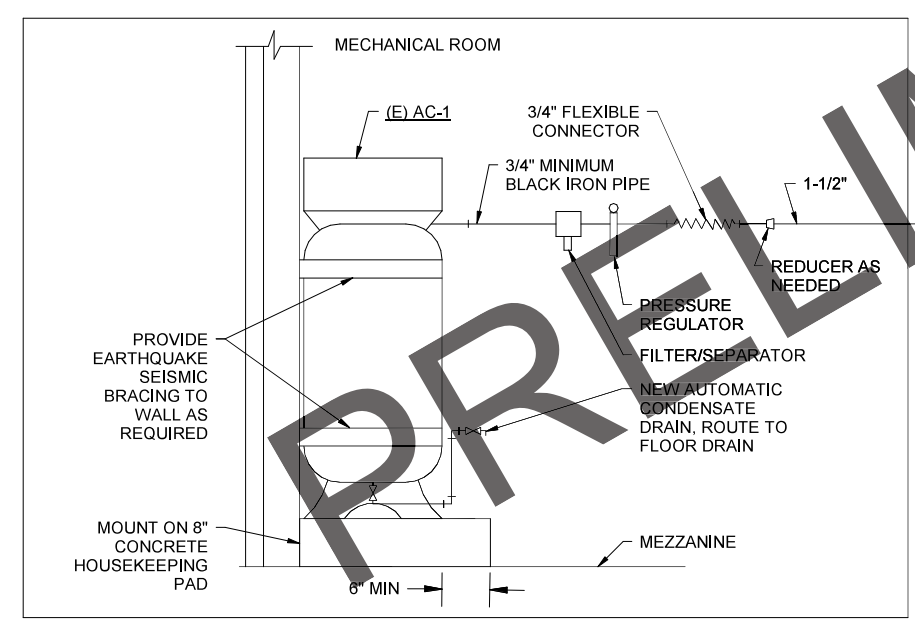
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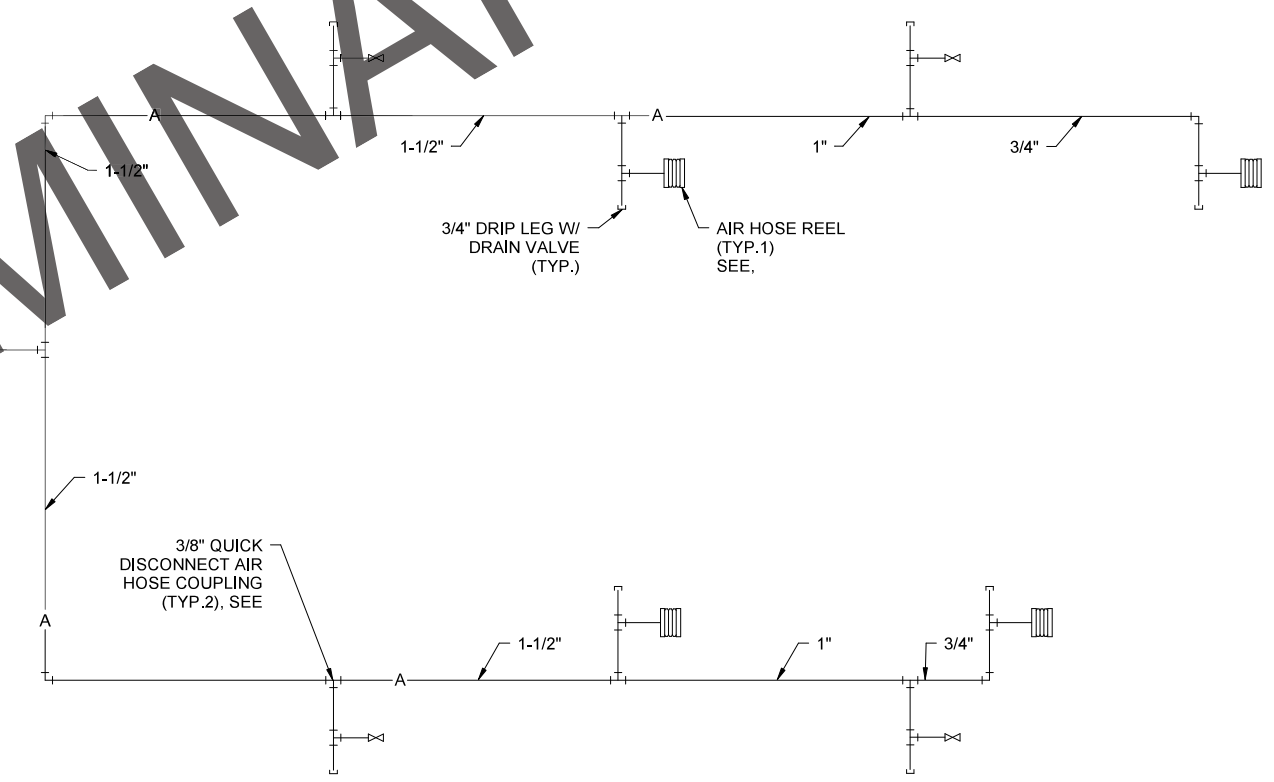
**1** HOSE REEL DETAIL  
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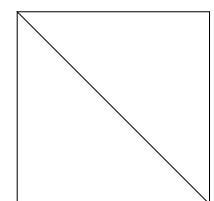
**2** COMPRESSED AIR OUTLET DETAIL  
M19 NTS



**3** COMPRESSED AIR PIPING SCHEMATIC  
M19 NTS



PRELIMINARY PLANS



PLANS DEVELOPED BY:  
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 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB - COMPRESSED AIR SCHEMATIC

DATE: 3/6/2024  
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 Designed By: ISCH  
 Drawn By: JCF  
 Checked By: ISCH

R&M PROJECT NUMBER: 2793.01

### BOILER SCHEDULE

SYMBOL	TYPE	FLUID (%)	FUEL	IBR BURNER CAPACITY	GROSS INPUT MBH	HP/VOLTS/PH	DESIGN BASIS
B-1	CAST IRON	40% PG	#2 FUEL OIL	1.00	140	- / 120 / 1	WEIL-MCLAIN, ULTRA OIL SERIES 3, UO-3EWITH BECKETT BURNER

### PUMP SCHEDULE

SYMBOL	LOCATION	SERVICE	FLUID		GPM	HEAD FT.	RPM	MOTOR HP/VOLTS/PH	DESIGN BASIS PRODUCT
			TYPE	TEMP					
PMP-1A,B	MECH	UH-1,2	40% PG	100	4.2	20	-	1/3 / 120 / 1	GRUNDFOS UPS 32-80/4
PMP-2A,B	MECH	RADIANT FLOOR CIRCULATION	40% PG	116	8.0	17	-	1/2 / 120 / 1	GRUNDFOS UPS 32-80/2

### HEATING UNIT SCHEDULE

SYMBOL	LOCATION	TYPE	FLUID	FLUID (°F)		MBH	GPM	CFM	RPM	MOTOR HP/VOLTS/PH	DESIGN BASIS PRODUCT
				IN	OUT*						
UH-1	MECH	ELECTRIC HORIZONTAL	-	-	-	10.2	-	380	-	3KW / 208 / 1	MODINE HER 30C 1101
UH-2	SAND STORAGE	VERTICAL	40% PG	180	160	30.8	3.3	1550	-	1/6 / 120 / 1	MODINE VVN-59

NOTES:

\* LISTED MBH IS BASED ON CORRECTED CAPACITY, 40% PG AND 60°F EAT.

### FAN SCHEDULE

SYMBOL	LOCATION	CFM	S.P.		RPM	O.V. FPM	TYPE		USE	MOTOR HP/VOLTS/PH	DESIGN BASIS PRODUCT
			TOT	EXT			FAN	WHL			
EF-1	SAND STOR	2400	-	0.3	840	384	-	24	E/A	1/4 / 230 / 3	COOK AWD 24A11D

NOTES:

1. PROVIDE PACKAGED WALL HOUSING, HEAVY DUTY INSULATED DAMPER, EXTERIOR HOOD, AND INTERIOR GUARD.
2. PROVIDE WALL-MOUNTED SPEED CONTROL SWITCH AND HUMIDITY SENSOR-SWITCH WITH MANUAL OVERRIDE.

### TANK SCHEDULE

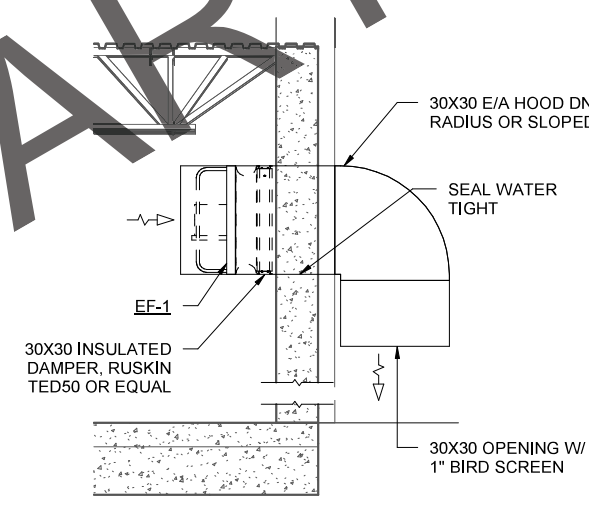
SYMBOL	FUNCTION	MEDIUM	CAPACITY	MATERIAL	LABEL	DESIGN BASIS PRODUCT
AS-1	AIR SEP	40% PG	30 GPM	STEEL	ASME	SPIROTHERM MODEL VJR150TM
DS-1	DIRT SEP	-	30 GPM	STEEL	-	SPROTHERM MODEL TDN150FT
ET-1	EXP TANK	40% PG	217/11.3 GAL	STEEL/BUTYL	ASME	AMTROL MODEL AX-40V
FT-1	HEATING FUEL	FUEL OIL	1000 GAL	STEEL	UL2085	ANCHORAGE TANK FIREGUARD AT1MULAG
GT-1	GLYCOL	40% PG	6 GAL	-	-	AXIOM MODEL MF-200

### RADIANT ZONE SCHEDULE

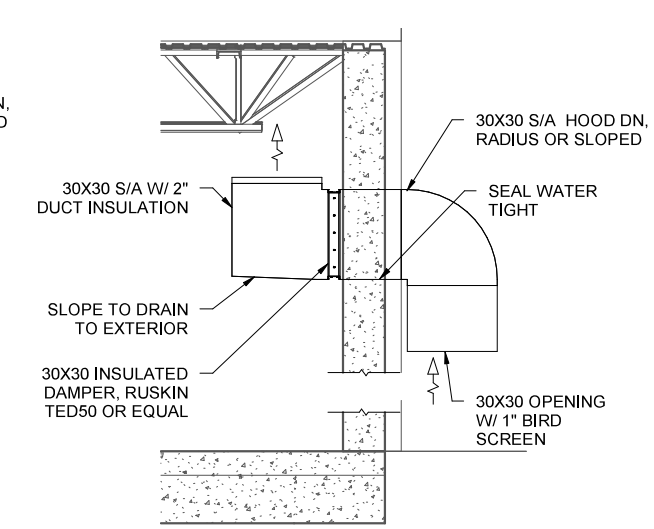
ZONE	HD LOSS	TUBING			LOOP GPM
		DIA.	SPACING	TOTAL LENGTH	
A1-1	6.6	1/2	18	195	0.8
A1-2	6.6	1/2	18	191	0.8
A1-3	6.6	1/2	18	184	0.8
A1-4	6.6	1/2	18	185	0.8
A1-5	6.6	1/2	18	190	0.8
A1-6	6.6	1/2	18	192	0.8
A1-7	6.6	1/2	18	194	0.8
A1-8	6.6	1/2	18	190	0.8
A1-9	6.6	1/2	18	192	0.8
A1-10	6.6	1/2	18	189	0.8

NOTES:

1. TUBE LENGTHS IS TOTAL CUT LENGTH INCLUDING 10 FEET OF TAIL IN MECH ROOM.



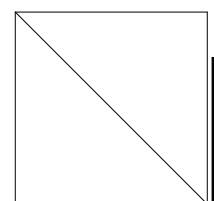
1 EXHAUST FAN DETAIL  
M21 3/8" = 1'-0"



2 INTAKE HOOD SECTION  
M21 3/8" = 1'-0"

PRELIMINARY PLANS

PLANS DEVELOPED BY:  
MBA CONSULTING ENGINEERS, INC.  
CERT. OF AUTH. AECC578



BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 DMSB - SCHEDULES AND DETAILS

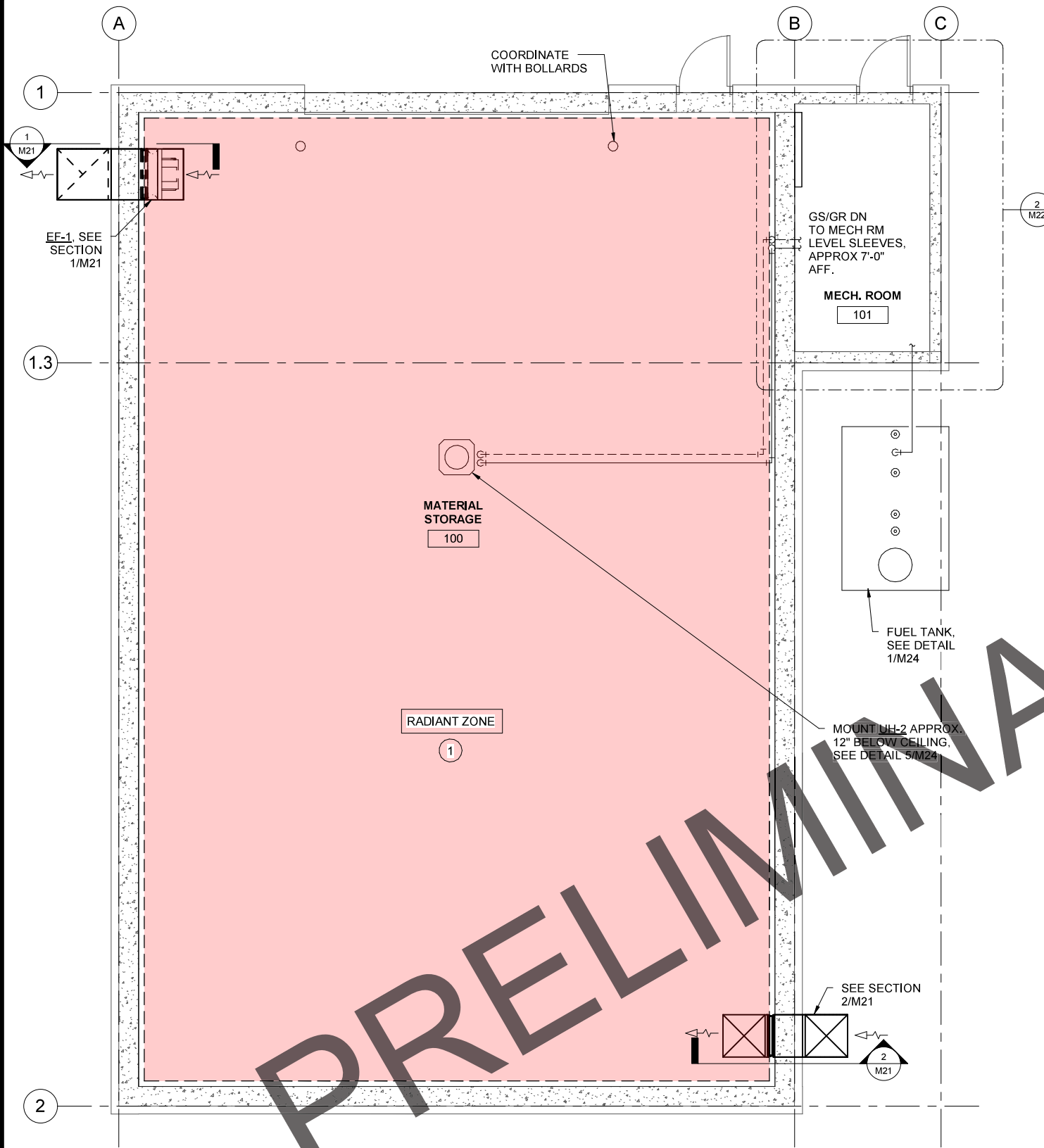
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 SHEET: M21 OF  
 OF

**95% FACILITY DESIGN**

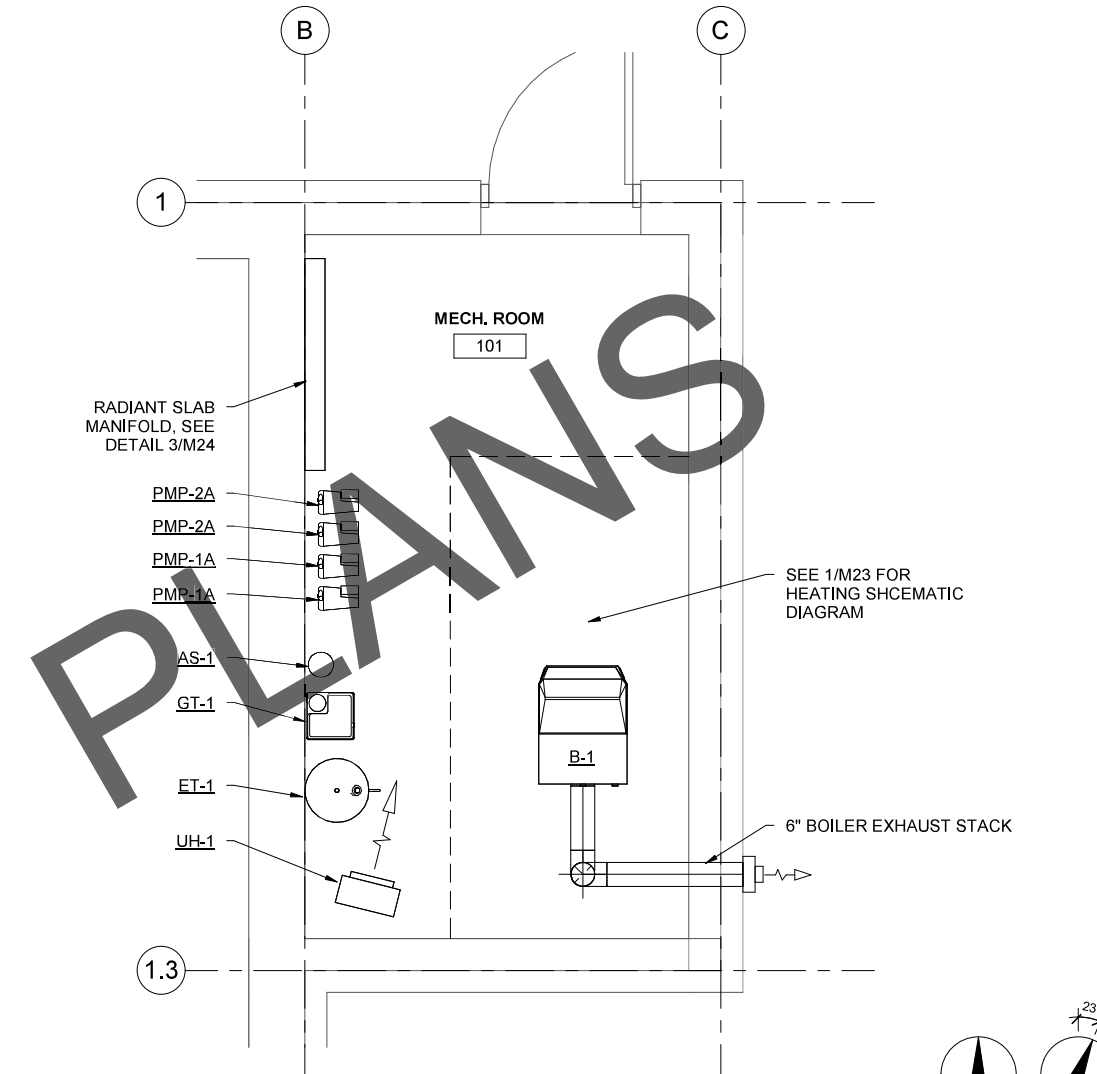
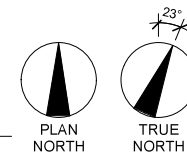


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 Drawn By: JCF  
 Checked By: ISCH

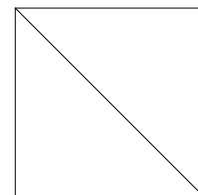
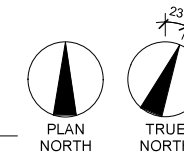
R&M PROJECT NUMBER: 2793.01



**1 MECHANICAL FLOOR PLAN**  
 M22 1/4" = 1'-0"



**2 MECHANICAL ROOM PLAN**  
 M22 1/2" = 1'-0"



PLANS DEVELOPED BY:  
 MBA CONSULTING ENGINEERS, INC.  
 CERT. OF AUTH. AECC578

BY	DATE	REVISION

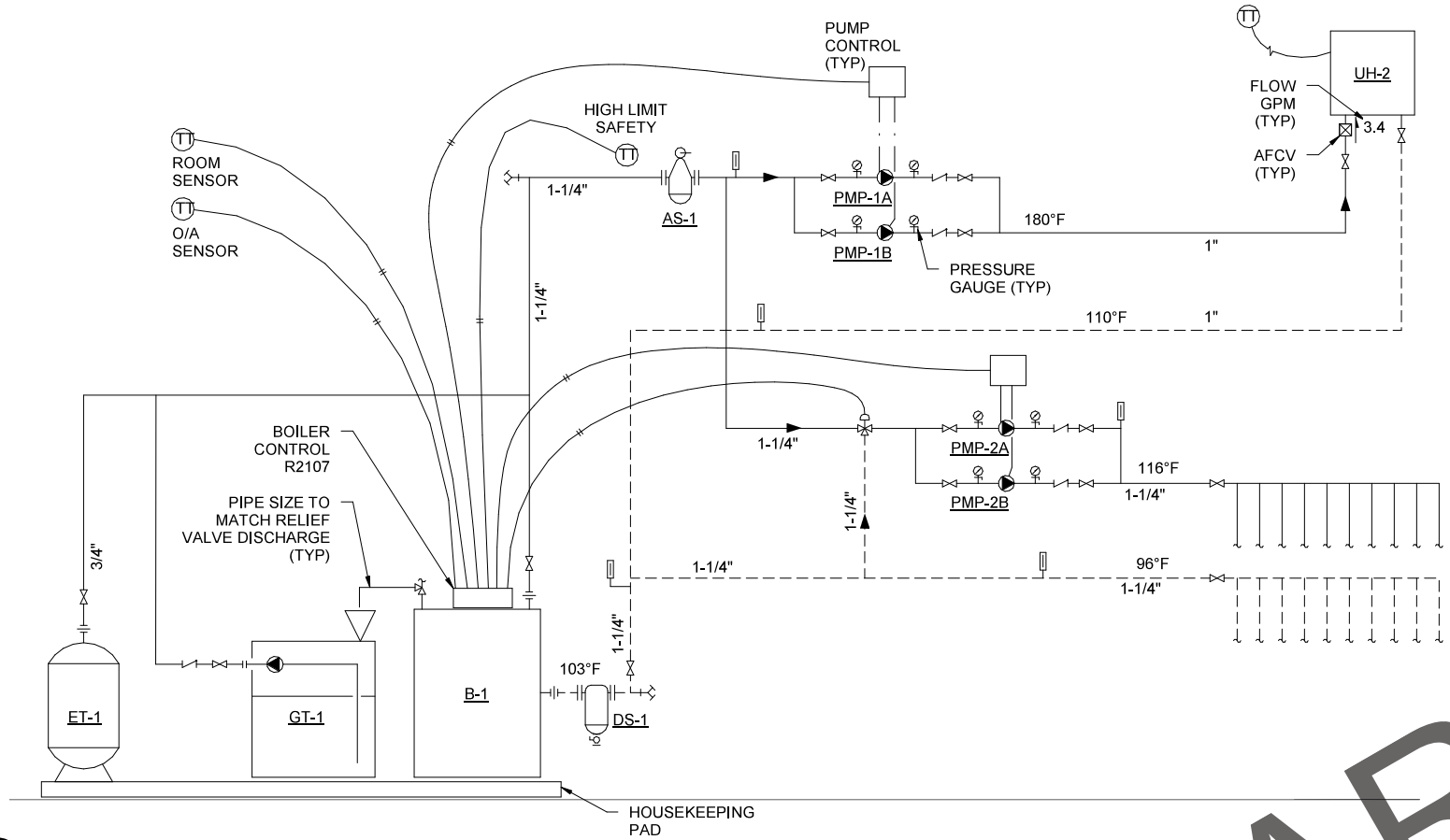
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**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 DMSB - MECHANICAL PLANS

DATE: 3/6/2024  
 SHEET: M22 OF  
 OF

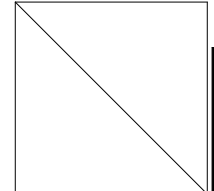
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 Designed By: BSCH  
 Drawn By: JCF  
 Checked By: BSCH

R&M PROJECT NUMBER: 2793.01



**1** HEATING SCHEMATIC DIAGRAM  
M23 NTS

PRELIMINARY PLANS



PLANS DEVELOPED BY:  
MBA CONSULTING ENGINEERS, INC.  
CERT. OF AUTH. AECC578

BY	DATE	REVISION

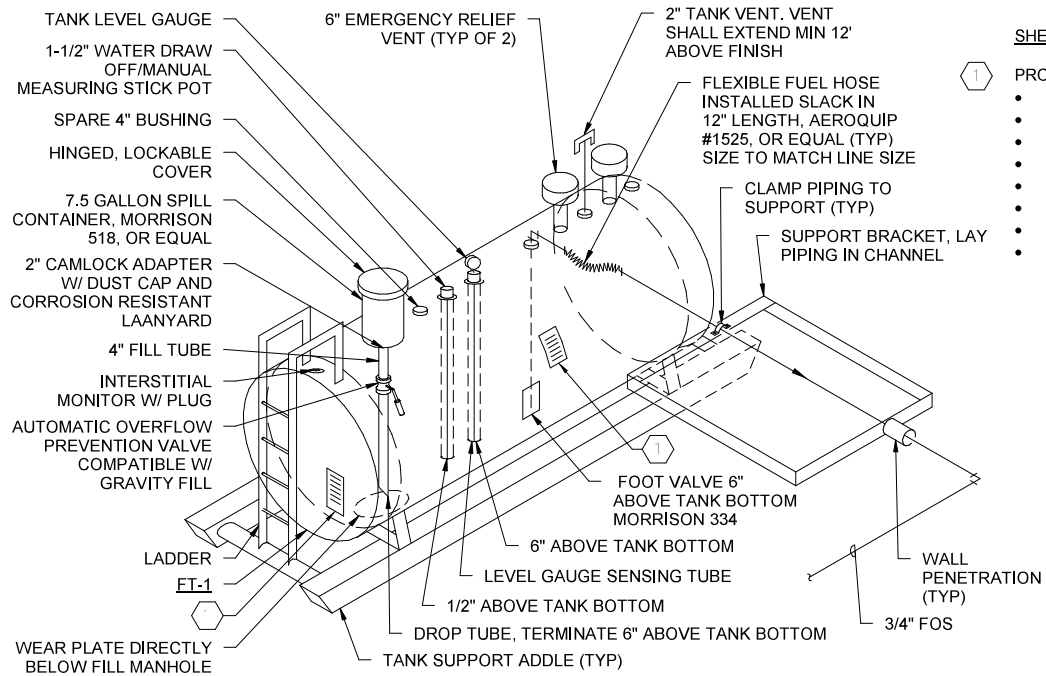
**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 DMSB - SCHEMATIC DIAGRAM

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 SHEET: M23 OF  
 OF

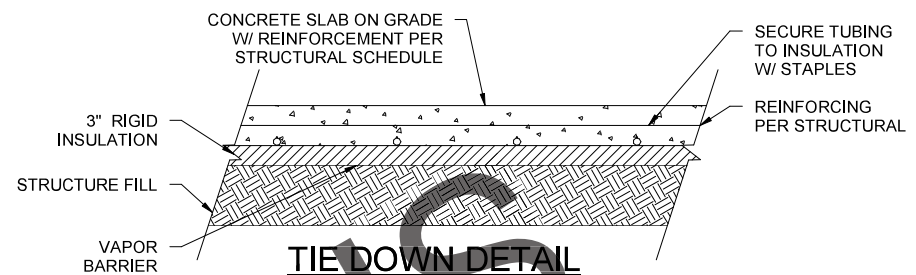
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 Designed By: ISCH  
 Drawn By: JCF  
 Checked By: ISCH

R&M PROJECT NUMBER: 2793.01

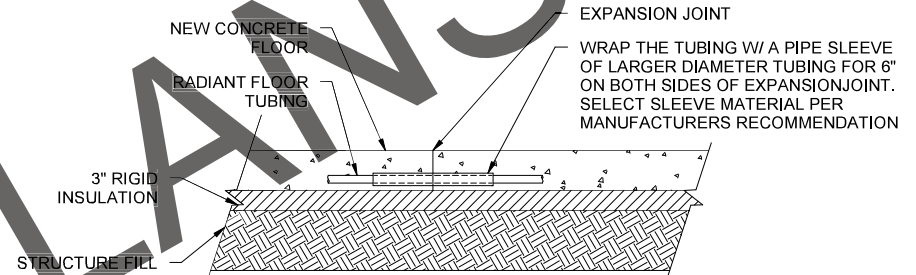


**1 FUEL TANK DETAIL**  
M24 NTS

- SHEET NOTES**
- 1 PROVIDE SIGNAGE ON ALL ACCESSIBLE SIDES OF TANK WITH:
    - WARNING SIGNS IN ACCORDANCE WITH IFC 2305.6
    - TANK CAPACITY-GALLONS
    - TANK NUMBER
    - STORED PRODUCT
    - NFPA 4-COLOR HAZARD IDENTITY SYMBOL
    - COMBUSTIBLE
    - NO SMOKING
    - TANK OWNER AND PHONE NUMBER

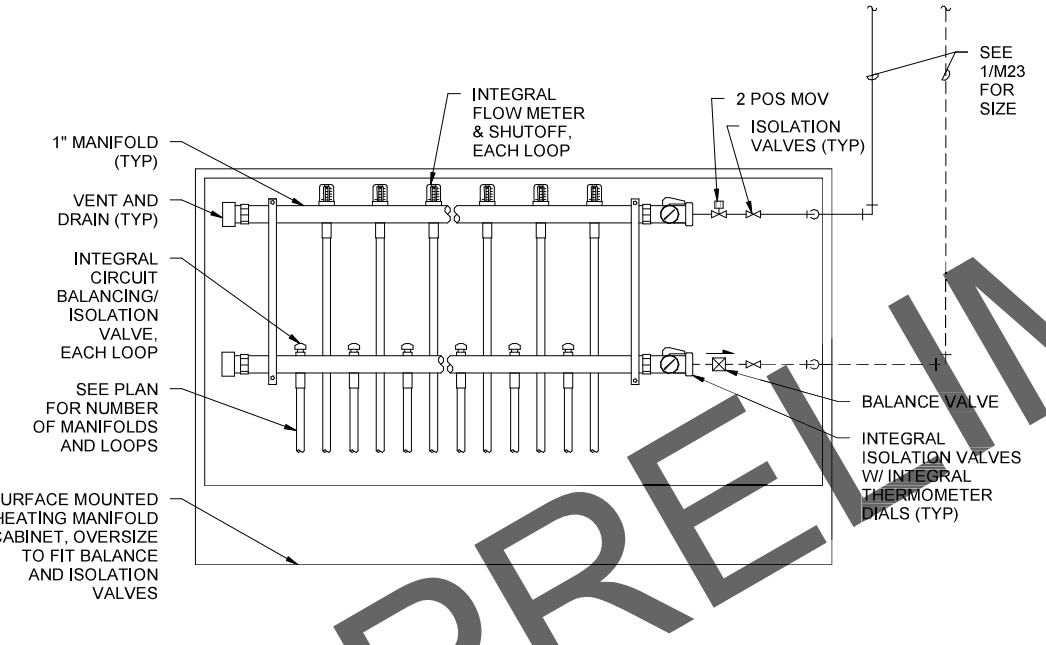


**TIE DOWN DETAIL**

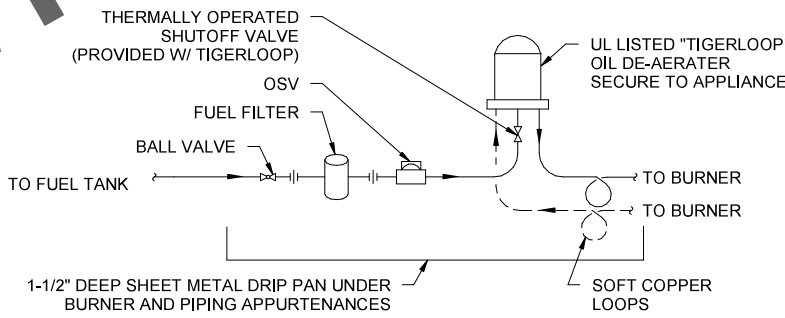


**EXPANSION JOINT DETAIL**

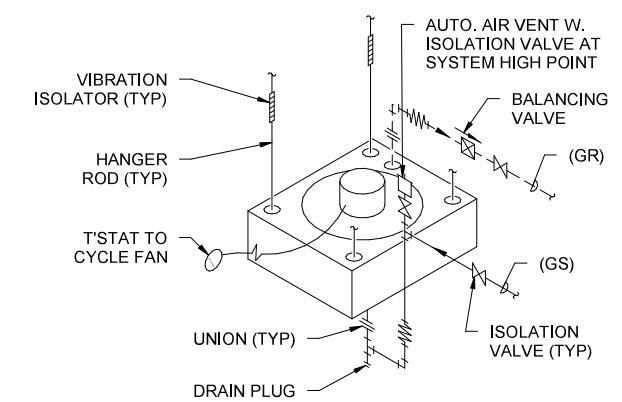
**2 RADIANT FLOOR DETAIL**  
M24 NTS



**3 RADIANT MANIFOLD DETAIL**  
M24 NTS

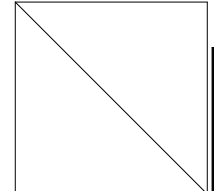


**4 FUEL OIL PIPING DIAGRAM**  
M24 NTS



**5 VERTICAL UNIT HEATER DETAIL**  
M24 NTS

PRELIMINARY PLANS



BY	DATE	REVISION

PLANS DEVELOPED BY:  
MBA CONSULTING ENGINEERS, INC.  
CERT. OF AUTH. AECC578

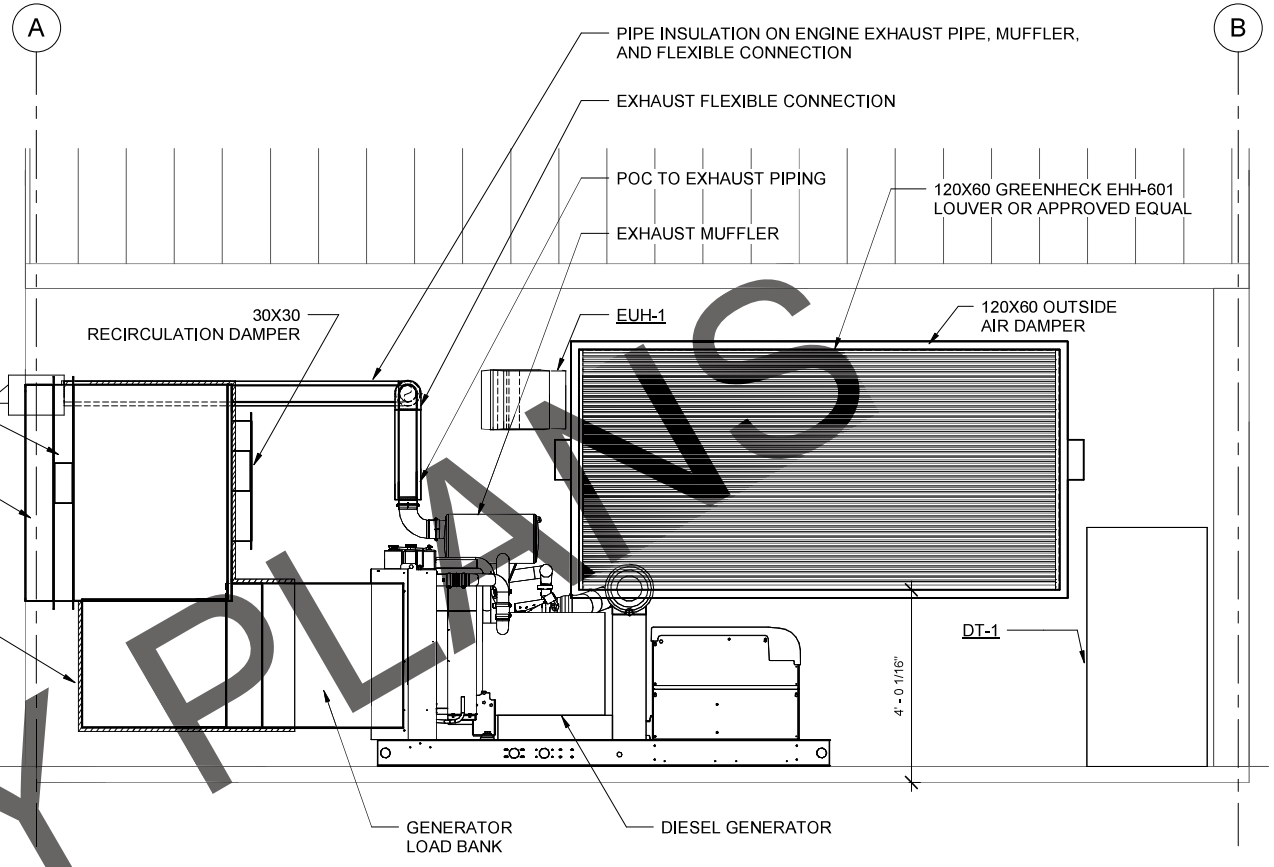
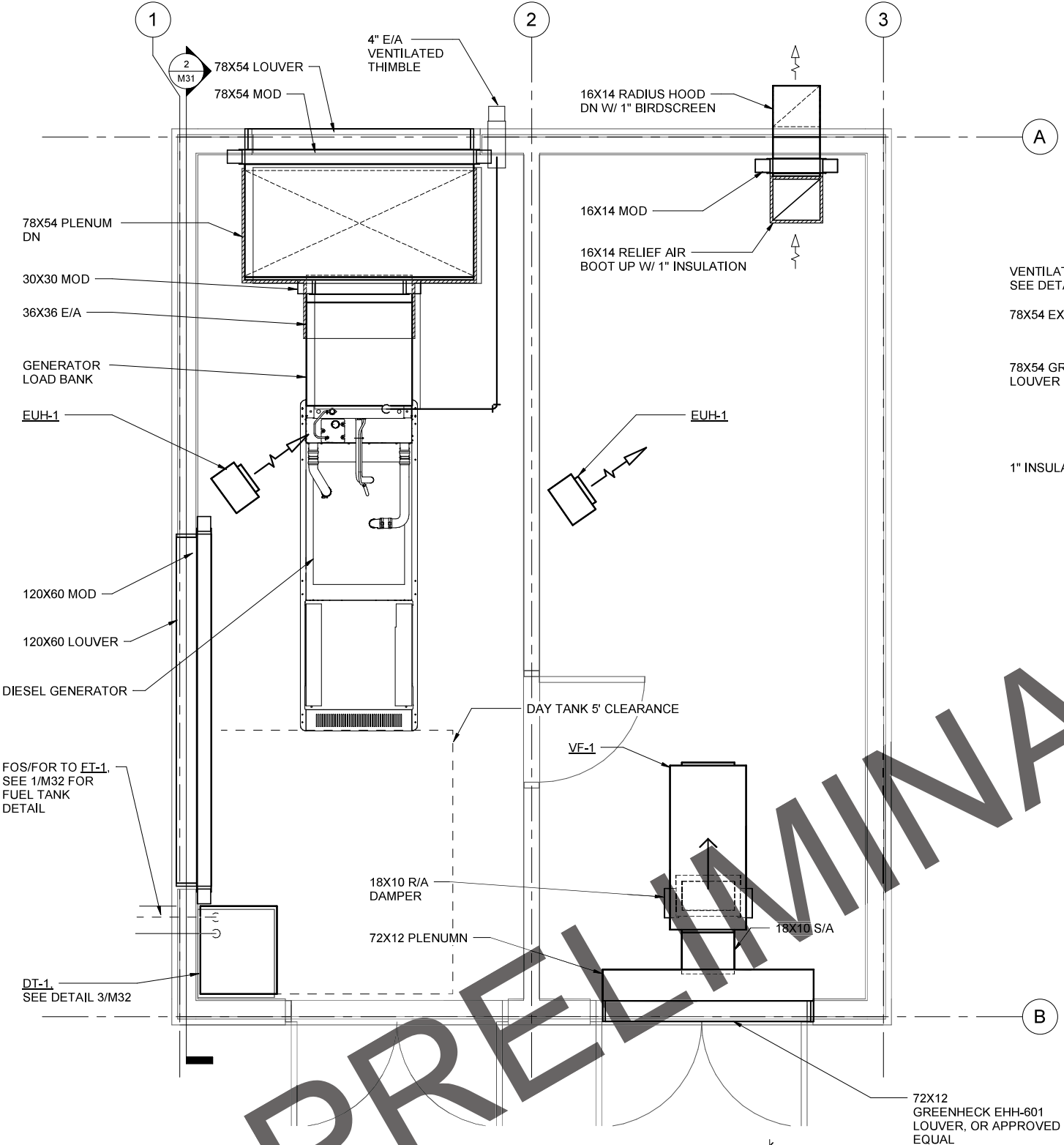
**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 DMSB - MECHANICAL DETAILS

DATE: 3/6/2024  
 SHEET: M24 OF  
 OF

Date Revised: 3/5/2024 3:41:13 PM  
 Layout Name: M31  
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 Designer: Valdez SREB  
 Drawn By: Valdez SREB  
 Checked By: Valdez SREB

R&M PROJECT NUMBER: 2793.01



FAN SCHEDULE											
SYMBOL	LOCATION	CFM	S.P.		RPM	O.V. FPM	TYPE		USE	MOTOR HP/VOLTS/PH	DESIGN BASIS PRODUCT
			TOT	EXT			FAN	WHL			
VF-1	GEEB	750	-	0.4	813	600	-	PROP	S/A	7.2A/ 115 / 1	GREENHECK BCF-108

ELECTRIC UNIT HEATER SCHEDULE						
SYMBOL	LOCATION	MBH	MAX CFM	KW	ELECTRICAL HP/VOLTS/PH	DESIGN BASIS PRODUCT
EUH-1	GEEB	10	380	3	1/40 / 208 / 1	MODINE MODEL HER 30C 1101 ELECTRIC UNIT HEATER

FUEL OIL TANK SCHEDULE						
SYMBOL	FUNCTION	MEDIUM	TOTAL VOLUME GALLONS	MATERIAL	LABEL	DESIGN BASIS PRODUCT
FT-1	FUEL OIL STORAGE	#2 FUEL OIL	1000	DOUBLE WALL COATED STEEL	-	ANCHORAGE TANK, FIREGUARD 1000
DT-1	GENERATOR	#2 FUEL OIL	25	STEEL	-	SIMPLEX STS SERIES W/ PCB 1 CONTROLS, FLOOR MOUNT, GRAVITY FEED TO GENERATOR, 063 VENT CAP, INTEGRAL FUEL PUMPS: 1/3 HP MOTOR, 115V/60HZ/1PH

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

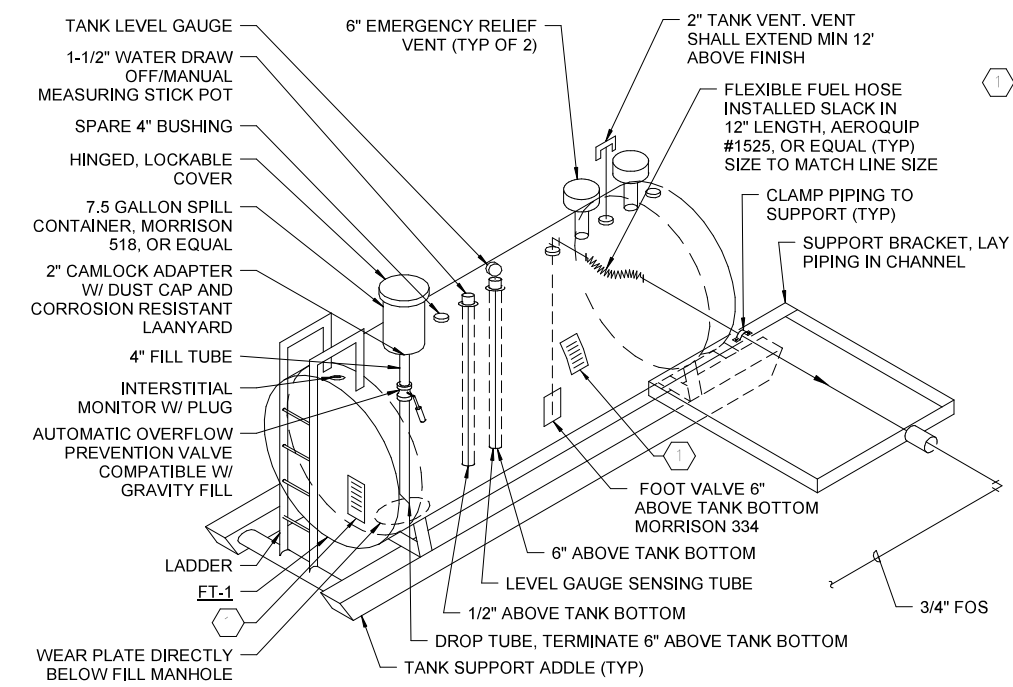
**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 GEEB - SCHEDULES, & HVAC PLAN

DATE: 3/6/2024  
 SHEET: M31 OF  
 OF

PLANS DEVELOPED BY:  
 MBA CONSULTING ENGINEERS, INC.  
 CERT. OF AUTH.: AECC578

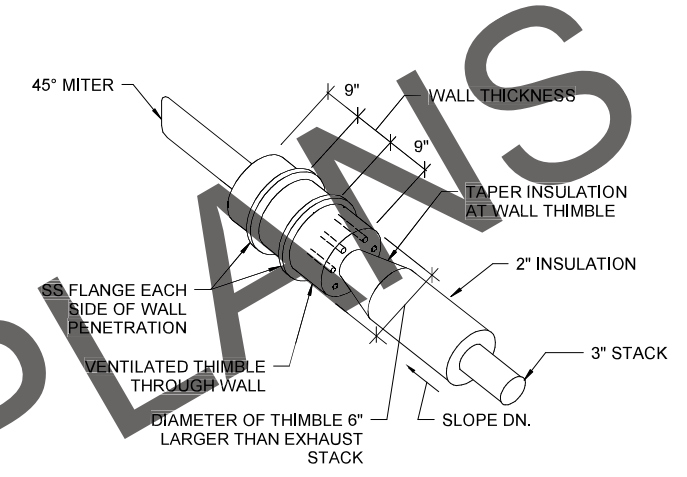
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 Drawn By: M32  
 Checked By: M32

R&M PROJECT NUMBER: 2793.01

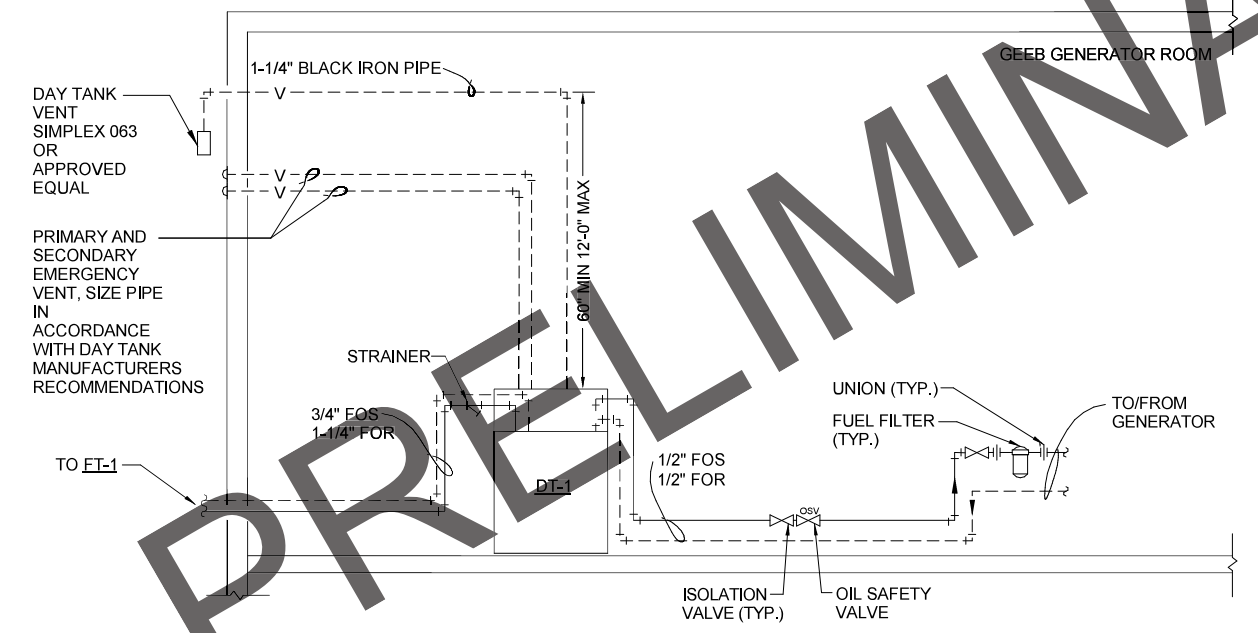


- SHEET NOTES**
- 1 PROVIDE SIGNAGE ON ALL ACCESSIBLE SIDES OF TANK WITH:
- WARNING SIGNS IN ACCORDANCE WITH IFC 2305.6
  - TANK CAPACITY-GALLONS
  - TANK NUMBER
  - STORED PRODUCT
  - NFPA 4-COLOR HAZARD IDENTITY SYMBOL
  - COMBUSTIBLE
  - NO SMOKING
  - TANK OWNER AND PHONE NUMBER

1 FUEL TANK DETAIL  
M32 NTS



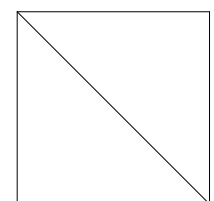
2 VENTILATED THIMBLE THRU WALL  
M32 NTS



3 DAY TANK DETAIL  
M32 NTS

PRELIMINARY PLANS

PLANS DEVELOPED BY:  
MBA CONSULTING ENGINEERS, INC.  
CERT. OF AUTH. AECC578



BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
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**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 GEEB - MECHANICAL DETAILS

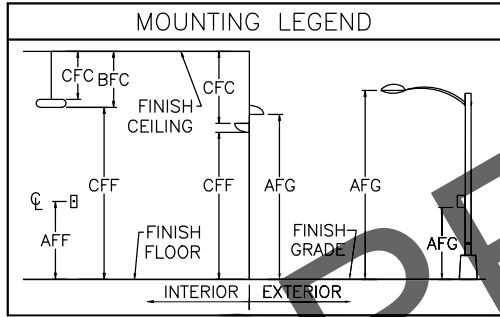
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Date Reviewed: 3/6/2024  
 Layout Name: Z:\22034\SB - Valdez SREB and SSEE\Working Drawings\SRSEB22034\SB-E1-LEGENDS.dwg  
 File Path & Name:

MBA PROJECT NUMBER: 22034\SB

ABBREVIATIONS LEGEND	
ABBR.	EXPLANATION
AB	ABOVE BASEBOARD
AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ATS	AUTOMATIC TRANSFER SWITCH
BCU	BARE COPPER
BFC	BELOW FINISHED CEILING
CFC	CLEARANCE FROM CEILING
CFF	CLEARANCE FROM FLOOR
CT	CURRENT TRANSFORMER
DDC	DIRECT DIGITAL CONTROL
EM	EMERGENCY LIGHT/CIRCUIT/PANEL
ETR	EXISTING TO REMAIN
G	GROUND
GDP	GENERATOR DISTRIBUTION PANEL
GEC	GROUNDING ELECTRODE CONDUCTOR
GEEB	GENERATOR ELECTRICAL EQUIPMENT BUILDING
HBH	HEAD BOLT HEATER
HDPE	HIGH DENSITY POLYETHYLENE
HEA	HOMER ELECTRIC ASSOCIATION
HOA	HANDS OFF AUTO
MCC	MOTOR CONTROL CENTER
MC	METAL CLAD CABLE
MDP	MAIN DISTRIBUTION PANEL
N	NEUTRAL
NIC	NOT IN CONTRACT
PA	PUBLIC ADDRESS
PVC	POLYVINYL CHLORIDE
RSC	RIGID STEEL CONDUIT
SPD	SURGE PROTECTION DEVICE
STBY	STANDBY CIRCUIT
TC	TIMECLOCK
TP	TAMPER RESISTANT
TVSS	TRANSIT VOLTAGE SURGE SUPPRESSION
UON	UNLESS OTHERWISE NOTED
VFD	VARIABLE FREQUENCY DRIVE
W	WALL MOUNT +60" AFF
WAP	WIRELESS ACCESS PORT
WP	WEATHERPROOF
XFMR	TRANSFORMER



FIRE LEGEND	
	EMERGENCY PHONE ACCESSIBLE
	DOOR HOLDER
	DOOR CLOSER
	SPEAKER CEILING MOUNT
	SPEAKER + INTERCOMM
	HORN + STROBE
	HORN
	HEAT DETECTOR
	BELL
	STROBE WALL MOUNT
	STROBE CEILING MOUNT
	ROTATING BEACON
	SMOKE DETECTOR
	PHOTOELECTRIC SMOKE DETECTOR
	PULL STATION / FIRE ALARM BOX
	TAMPER SWITCH
	FLOW SWITCH/DETECTOR
	HEAT SENSOR : XX = TYPE EX: 130, 195, ROR
	GAS DETECTOR : XX = TYPE EX: CO, CH <sub>4</sub>
	FLAME DETECTOR
	PUSH BUTTON
	ABORT SWITCH
	UNINTERRUPTIBLE POWER SUPPLY
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR
	BATTERY CABINET
	AMPLIFIER RACK

POWER LEGEND	
	ELECTRICAL POWER PANEL
	ELECTRICAL DISTRIBUTION PANEL
	ELECTRICAL LIGHTING PANEL
	PANELBOARD CABINET FLUSH MOUNT
	PANELBOARD CABINET SURFACE MOUNT
	SWITCHBOARD NEW
	SWITCHBOARD EXISTING
	METER
	CONTROLLER/DISCONNECT
	UNFUSED DISCONNECT
	FUSED DISCONNECT
	VARIABLE FREQUENCY DRIVE
	CONTROLLER
	CONTACTOR
	MOTOR SINGLE PHASE
	MOTOR SINGLE PHASE - X = HORSE POWER
	MOTOR 3PH
	MOTOR 3PH : X = HORSE POWER
	GENERATOR POWER
	TRANSFORMER
	THERMAL SWITCH
	HOMERUN 2-#12, #12G UON
	GARAGE DOOR PUSH BUTTON

NOTES LEGEND	
X.	- GENERAL NOTE APPLIES TO SHEET.
	- SHEET NOTE APPLIES TO SPECIFIC CALLOUT.

LIGHTING LEGEND	
	EXTERIOR WALL MOUNT
	INTERIOR WALL MOUNT
	SURFACE MOUNT
	RECESSED
	2X2 LIGHTING FIXTURE RECESSED
	2X4 LIGHTING FIXTURE RECESSED
	2X2 SURFACE MOUNT
	2X4 SURFACE MOUNT
	WALL MOUNT
	EXTERIOR LIGHT SINGLE WITH POLE MOUNT
	PHOTOCELL
	OCCUPANCY SENSOR CEILING MOUNT
	KEY OPERATED SWITCH
	SWITCH, LOW VOLTAGE MASTER
	SWITCH WITH PILOT LIGHT
	OCCUPANCY SENSOR SWITCH
	SWITCH, SINGLE POLE
	SWITCH, DOUBLE POLE
	SWITCH, THREE-WAY
	SWITCH, FOUR-WAY
	EMERGENCY LIGHT BATTERY POWERED
	EMERGENCY LIGHT REMOTE HEAD
	EXIT SIGN WALL MOUNTED SHADOWING INDICATES FACE
	EXIT SIGN CEILING MOUNTED SHADOWING INDICATES FACE
	EXIT SIGN DOUBLE FACE ARROWS INDICATE CHEVRONS

COMMUNICATIONS LEGEND	
	OUTLET, COMBINATION TELEPHONE/DATA
	DATA, WALL MOUNTED
	TELEPHONE, WALL MOUNTED
	CEILING DATA OUTLET
	FLOOR DATA OUTLET
	SPEAKER CEILING MOUNTED
	SPEAKER WALL MOUNTED
	TV OUTLET

WIRING DEVICES LEGEND	
	PUSH BUTTON
	JUNCTION BOX
	GFCI RECEPTACLE - DUPLEX
	RECEPTACLE - DUPLEX CEILING MOUNT
	RECEPTACLE - DUPLEX
	RECEPTACLE - DUPLEX FLOOR MOUNT
	RECEPTACLE - QUAD FLOOR MOUNT
	RECEPTACLE - DUPLEX ON EMERGENCY POWER
	RECEPTACLE - DUPLEX ISOLATION GROUND
	RECEPTACLE - QUAD
	RECEPTACLE - SINGLE
	RECEPTACLE - X-NEMA CALLOUT
	EQUIPMENT CONNECTION

GROUNDING LEGEND	
	TEE CONNECTION
	CROSS CONNECTION
	GROUND ROD
	GROUND ROD CONNECTION-2
	GROUND ROD CONNECTION-1
	BURIED CABLE
	BONDING POINT
	EARTH GROUND
	LIGHTNING ARRESTOR

LINE TYPE LEGEND	
	EXISTING
	NEW
	DEMOLITION

SITE LEGEND	
	OVERHEAD ELECTRICAL
	UNDERGROUND ELECTRICAL
	FENCE
	UTILITY POLE

THESE ARE STANDARD LEGENDS, ALL SYMBOLS SHOWN ON LEGENDS ARE NOT NECESSARILY ON THE DRAWING(S).

**95% FACILITY DESIGN**

PLANS DEVELOPED BY:  
MBA CONSULTING  
ENGINEERS, INC.  
CERT. OF AUTH.: AEC0578

BY	DATE	REVISION

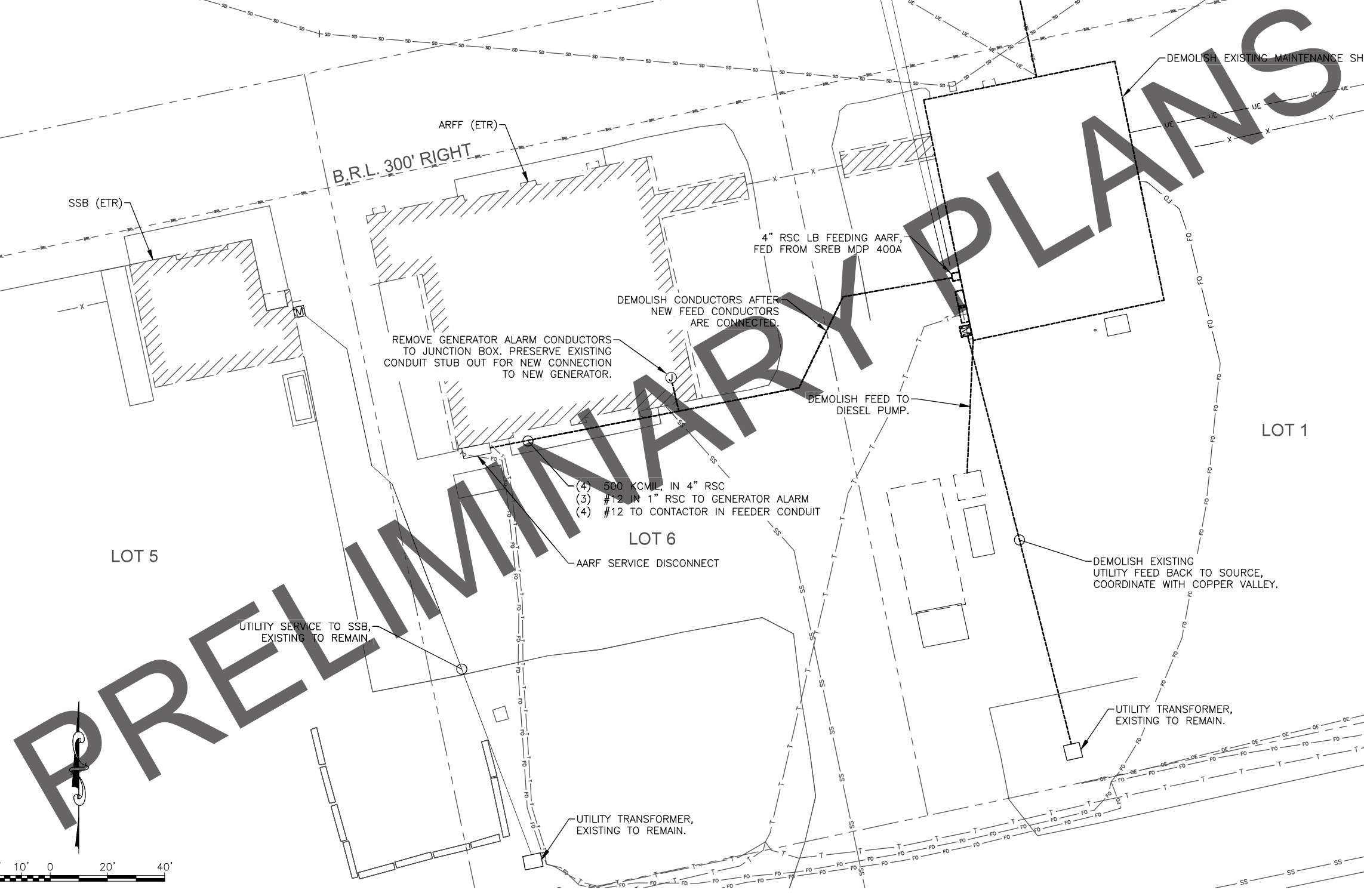
**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 LEGENDS

DATE: 3/6/2024  
 SHEET: E1 OF E34  
 OF

Date Revised: 3/6/2024  
 Layout Name: Z:\22034\SB - Valdez SREB and SSSI\Working Drawings\SREB\22034\SB\_E2 - Site Plan Demo.dwg  
 File Path & Name: Z:\22034\SB - Valdez SREB and SSSI\Working Drawings\SREB\22034\SB\_E2 - Site Plan Demo.dwg  
 Designed By: EVC  
 Drawn By: EVC  
 Checked By: EVC

MBA PROJECT NUMBER: 22034\SB



**1** ELECTRICAL DEMOLITION SITE PLAN  
**E2** 1" = 20'

PLANS DEVELOPED BY:  
 MBA CONSULTING  
 ENGINEERS, INC.  
 CERT. OF AUTH.: AECC578

BY	DATE	REVISION

**STATE OF ALASKA**  
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**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

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 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 ELECTRICAL DEMOLITION SITE PLAN

DATE: 3/6/2024  
 SHEET: E2 OF E34  
 OF

**DEMOLITION SHEET NOTES:**

- 1 GENERATOR AND EEB SHALL BE ONLINE AND IN SERVICE BEFORE SREB DEMOLITION WORK IS STARTED.
- 2 PROVIDE NEW UTILITY SERVICE BEFORE DISCONNECTING POWER FROM SREB.
- 3 PROVIDE TEMPORARY JUMPER TO REGULATOR LOCATED INSIDE OF SREB DURING WORK PERFORMED ON HANDHOLE AND CONDUIT EXTENSION TO NEW EEB.
- 4 PROVIDE TEMPORARY POWER TO BEACON DURING WORK PERFORMED ON HANDHOLE AND CONDUIT EXTENSION TO ARFF.
- 5 3'X3'X3' HANDHOLE WITH H2O RATED HINGED SPRING ASSIST LID.
- 6 REMOVE EXISTING "EMERGENCY CONTACTOR" IN ARFF AND INSTALL NEW AUTOMATIC TRANSFER SWITCH. SEE DETAILS ON SHEET E4.

Date Revised: 3/5/2024  
 Layout Name: Z:\22034\SB - Valdez SREB and SSSI Working Drawings\SREB\22034\SB - E3 - Site Plan Network.dwg  
 File Path & Name:

Designed By: EVCC  
 Drawn By: EVCC  
 Checked By: EVCC

1 ELECTRICAL NEW WORK SITE PLAN  
E3 1" = 20'

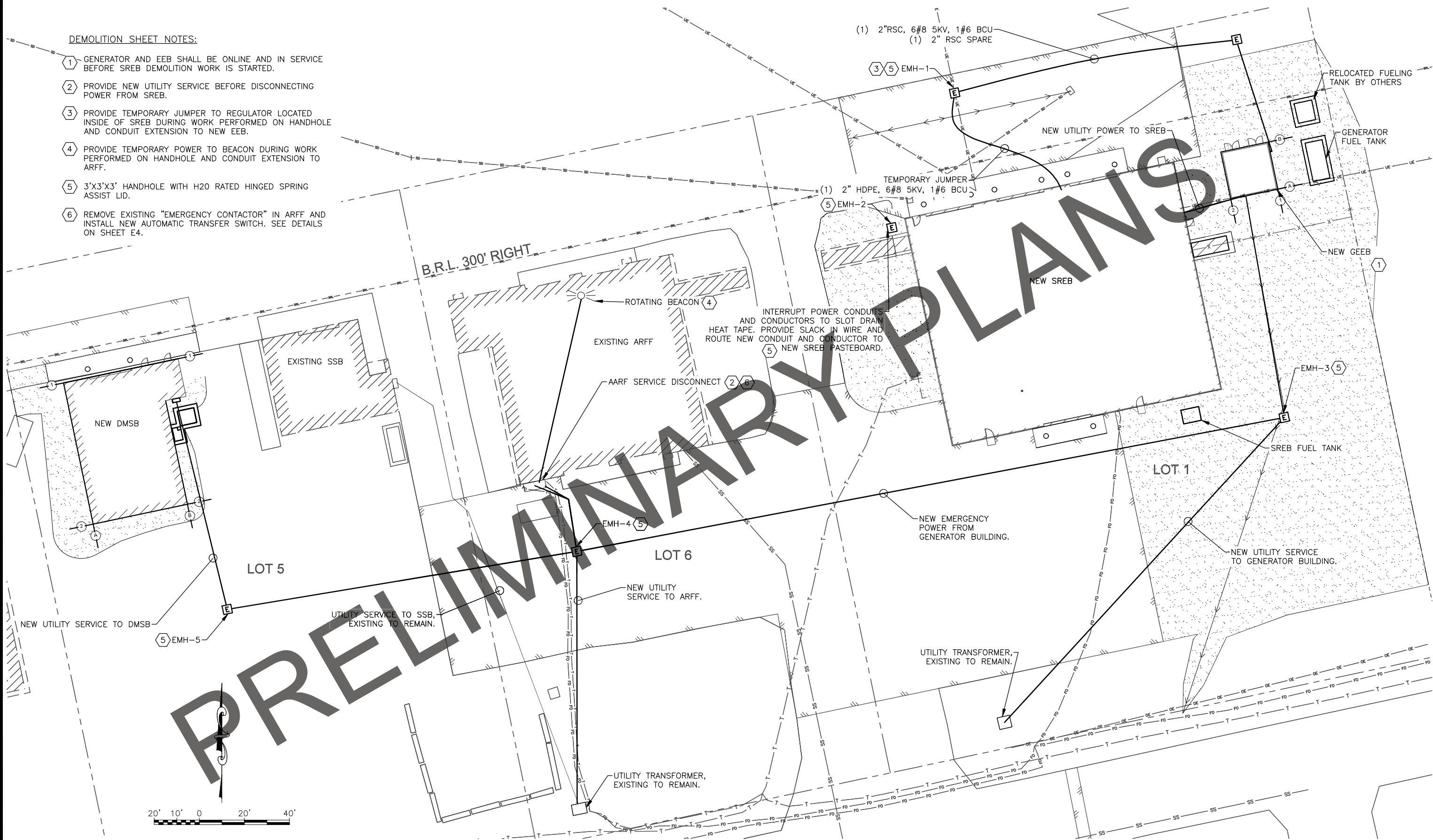
PLANS DEVELOPED BY:  
 MBA CONSULTING  
 ENGINEERS, INC.  
 CERT. OF AUTH.: AECC578

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

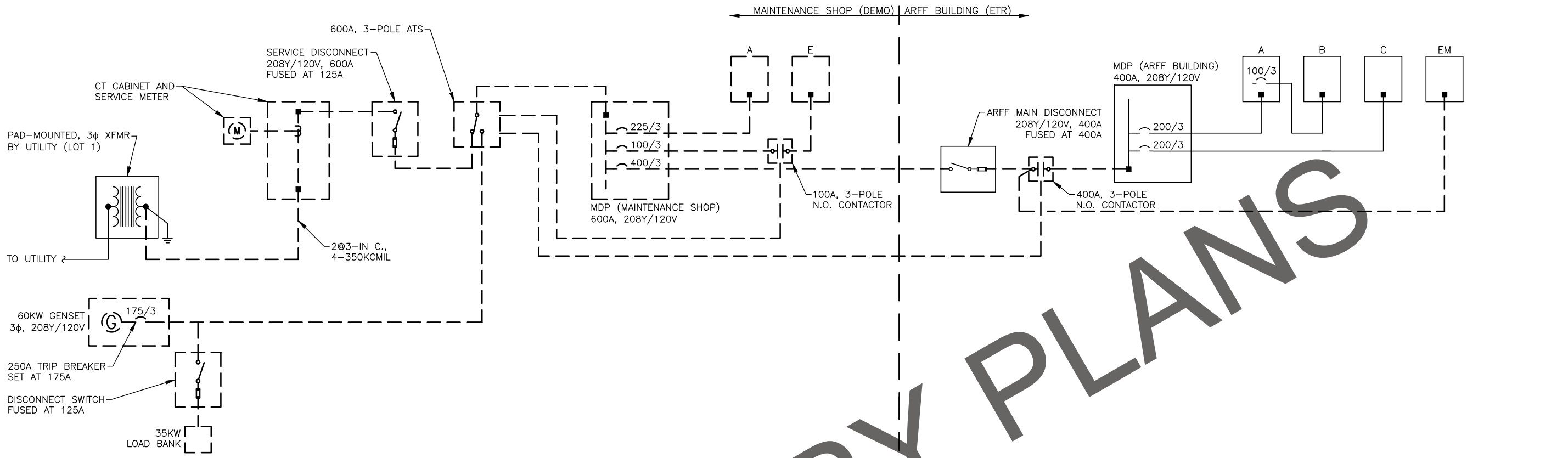
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 ELECTRICAL NEW WORK SITE PLAN

DATE:  
 3/6/2024  
 SHEET:  
 E3 OF E34  
 OF

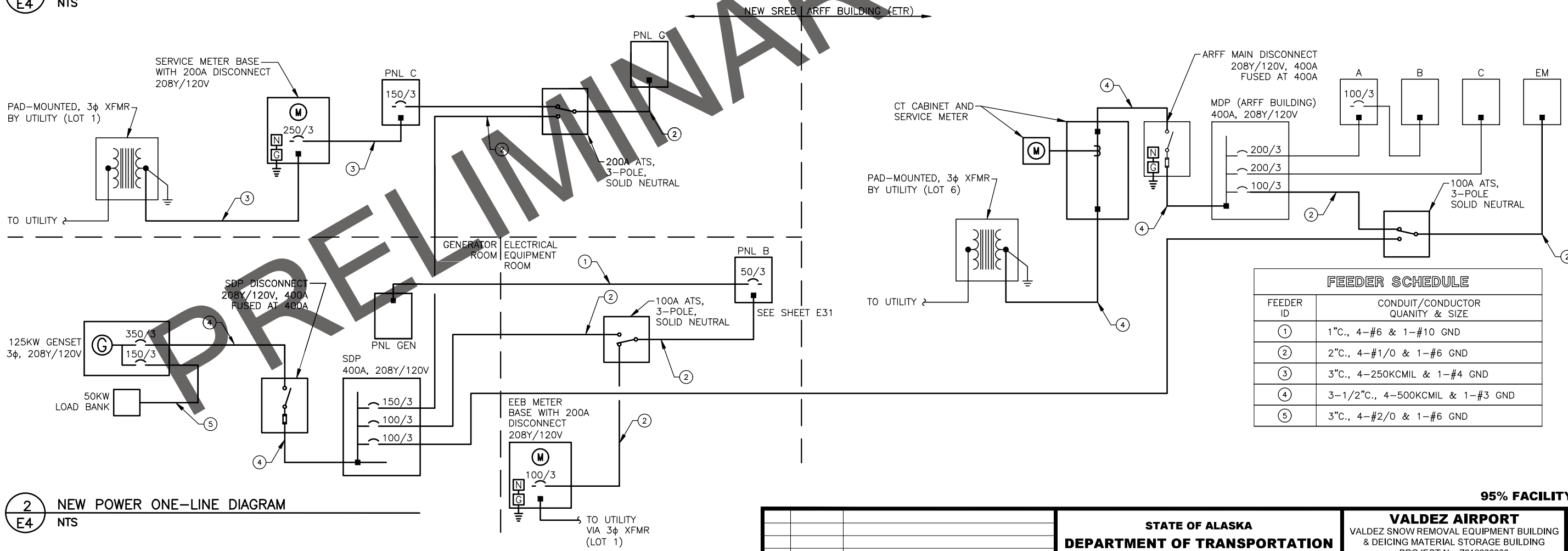


**95% FACILITY DESIGN**

Date Revised: 3/6/2024  
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 Drawn By: EVCC  
 Checked By: EVCC  
 Date: 3/6/2024  
 Project: VALDEZ SNOW REMOVAL EQUIPMENT BUILDING & DEICING MATERIAL STORAGE BUILDING  
 Project No: Z618600000  
 AIP No: 3-02-0311-XXX-2024  
 Sheet: E4 of E34  
 OF



**1** EXISTING POWER ONE-LINE DIAGRAM  
**E4** NTS



**2** NEW POWER ONE-LINE DIAGRAM  
**E4** NTS

FEEDER SCHEDULE	
FEEDER ID	CONDUIT/CONDUCTOR QUANTITY & SIZE
①	1" C., 4-#6 & 1-#10 GND
②	2" C., 4-#1/0 & 1-#6 GND
③	3" C., 4-250KCMIL & 1-#4 GND
④	3-1/2" C., 4-500KCMIL & 1-#3 GND
⑤	3" C., 4-#2/0 & 1-#6 GND

PLANS DEVELOPED BY:  
 M&A CONSULTING  
 ENGINEERS, INC.  
 CERT. OF AUTH.: AECC578

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

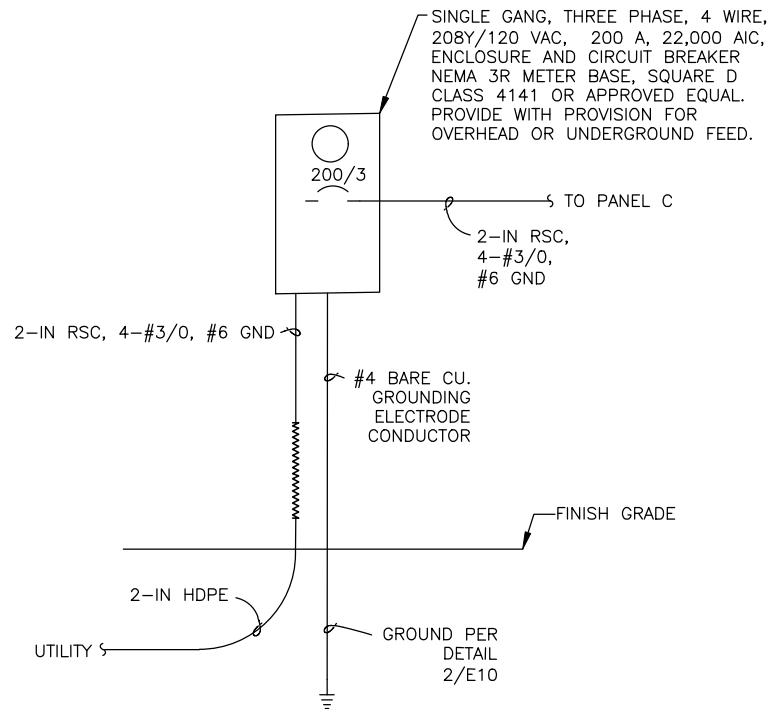
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**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 POWER ONE-LINE DIAGRAMS

DATE: 3/6/2024  
 SHEET: E4 of E34  
 OF

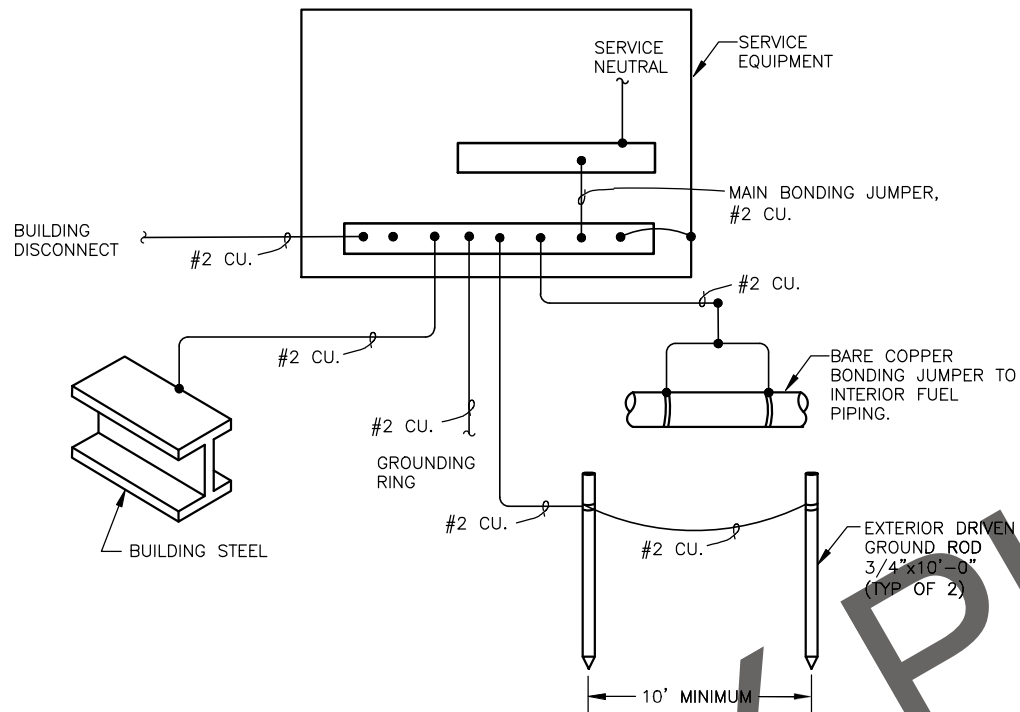


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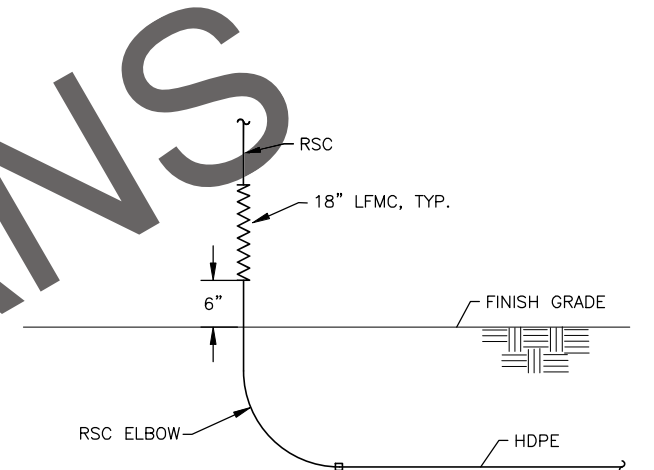
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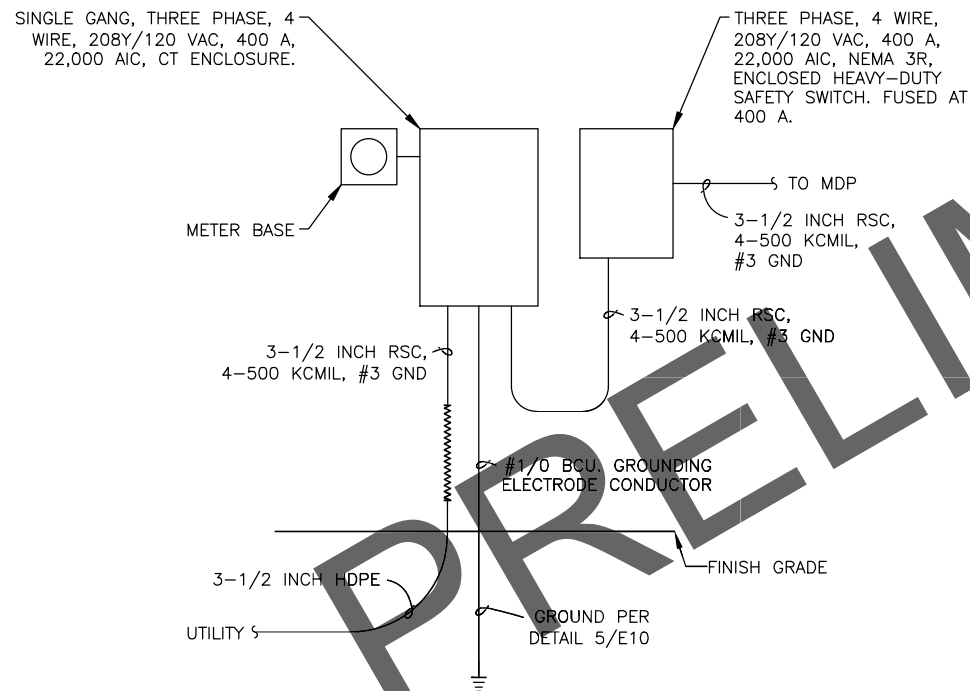
**1** SREB METER BASE DETAIL  
E5 NTS



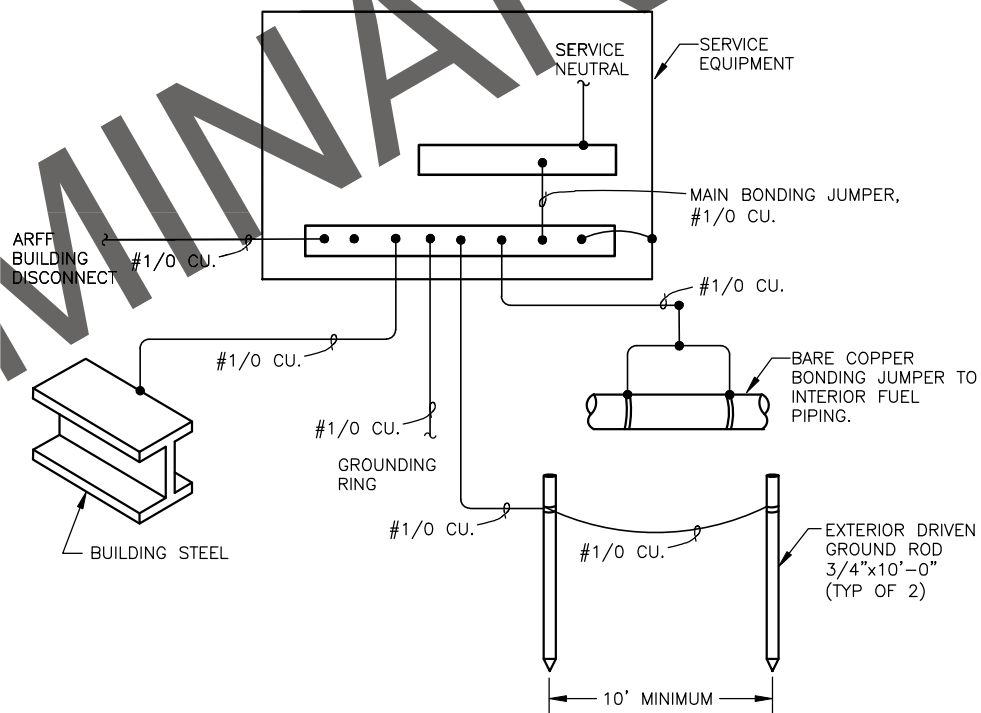
**2** SREB GROUNDING DETAIL  
E5 NTS



**3** CONDUIT ABOVE/BELOW GRADE TRANSITION DETAIL  
E5 NTS



**4** ARFF METER BASE DETAIL  
E5 NTS



**5** ARFF GROUNDING DETAIL  
E5 NTS

**6** DETAIL  
E5 NTS

PLANS DEVELOPED BY:  
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 CERT. OF AUTH.: AEC578

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

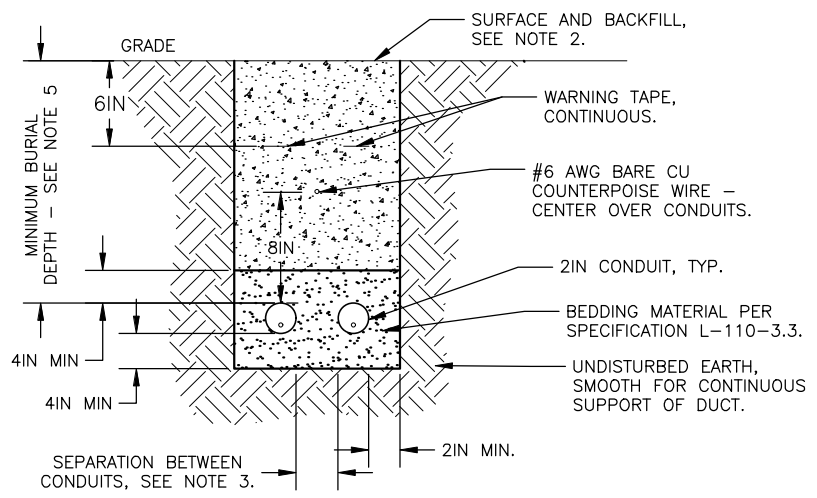
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**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 POWER SERVICE AND GROUNDING DETAILS

DATE:  
 3/6/2024  
 SHEET:  
 E5 OF E34  
 OF



Date Revised: 3/5/2024  
 Layout Name: Z:\22034\SB - Valdez SREB and SSSI Working Drawings\SRFB\22034\SB\_E6 - AFLD LTG-DTL.dwg  
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 Designed By: EVC  
 Drawn By: EVC  
 Checked By: EVC

MBA PROJECT NUMBER: 22034\SB



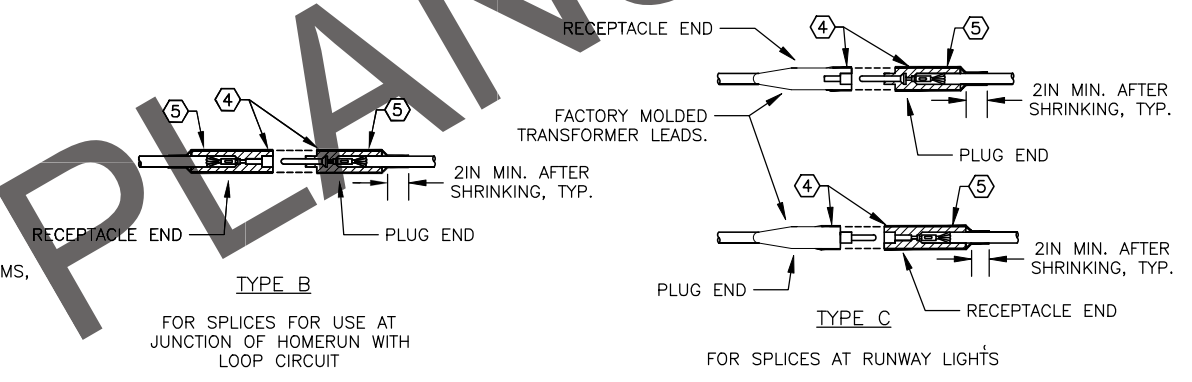
**DETAIL 2 NOTES:**

1. WIDTH OF TRENCH AND NUMBER OF CONDUITS PER TRENCH TO BE DETERMINED IN FIELD (2 SHOWN).
2. IN AREAS OF NEW CONSTRUCTION, SEE CIVIL FOR SURFACING AND BACKFILL. IN EXISTING AREAS, MATCH EXISTING SURFACING AND BACKFILL.
3. SEPARATION BETWEEN CONDUITS SHALL BE 4IN MINIMUM FOR LIGHTING SYSTEMS, 12 IN MINIMUM BETWEEN LIGHTING AND FAA SYSTEMS.
4. PLOWING OF CONDUITS WILL NOT BE ALLOWED.
5. MINIMUM BURIAL DEPTH SHALL BE AS FOLLOWS:
  - A) AIRPORT LIGHTING CONDUITS: 18IN
  - B) ALL OTHER CONDUITS: 30IN OR AS INDICATED

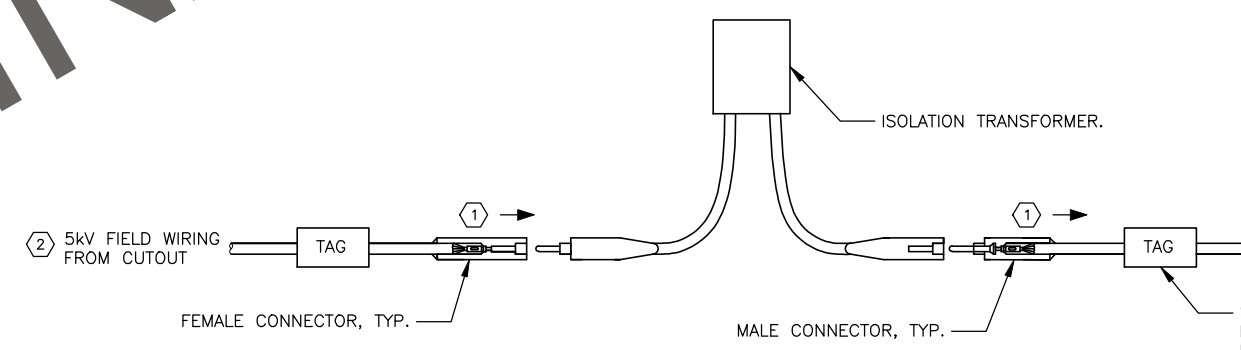
**2 TRENCH DETAIL**  
E6 NTS

**DETAIL 3 NOTES:**

1. CABLE SHALL MEET SPECIFICATION L-824. INSIDE DIAMETER OF CONNECTOR SHALL PROPERLY MATCH THE OUTSIDE DIAMETER OF CABLE. CONNECTOR SHALL BE SUPPLIED TO MATCH CABLE PER MANUFACTURER'S INSTRUCTIONS.
2. 5 kV CONDUCTORS SHALL BE PENCILLED USING A PENCILING TOOL MANUFACTURED FOR USE ON #8 AWG, 5 kV, TYPE C AIRPORT CABLE, RIPLEY WS 49 OR APPROVED EQUAL.
3. CONNECTORS SHALL BE CRIMPED USING A RATCHET TYPE CRIMPING TOOL PER MANUFACTURER'S RECOMMENDATION. EACH CRIMP SHALL BE MADE WITH TWO CRIMPS, ROTATED 90DEG.
4. WRAP WITH A MINIMUM OF ONE LAYER OF RUBBER OR SYNTHETIC RUBBER TAPE AND ONE LAYER OF PLASTIC TAPE, ONE-HALF LAPPED, EXTENDING AT LEAST 1.5IN ON EACH SIDE OF JOINT. COVER WITH HEAT SHRINK, SEE NOTE 5.
5. HEAT SHRINKABLE TUBING SHALL BE 16IN LONG, HAVE INTERNAL ADHESIVE FULL LENGTH, AND APPLIED FULL LENGTH TO CONNECTORS & CABLE TO HAVE A COMPLETE SEAL.



**3 L-823 CONNECTOR DETAILS**  
E6 NTS



**1 CONNECTOR ORIENTATION DETAIL**  
E6 NTS

SECURELY AFFIX A CABLE IDENTIFICATION TAG ON EACH CABLE, WITHIN 6IN OF THE CONNECTOR, OR MIDPOINT OF UNSPLICED CABLE. PROVIDE TWO TAGS ON CABLES IN MANHOLES, NEAR THE ENTRY AND EXIT. TAG ALL WIRES IN LIGHT BASES, HANDHOLES, MANHOLES, AND ACCESSIBLE PLACES. FLAGTAG MODEL 609 OR APPROVED EQUAL. TAG SHALL CLEARLY INDICATE THE CIRCUIT NUMBER AND THE WORD "FEED" IF THE CABLE IS FEEDING THE NEXT EDGE LIGHT, OTHERWISE "RETURN". ALSO INCLUDE THE COMPASS DIRECTION OF THE CABLE LEAVING THE LIGHT BASE. WORDING AS APPROVED BY THE FIELD MAINTENANCE ELECTRICAL DEPARTMENT, THROUGH THE ENGINEER.

**95% FACILITY DESIGN**

PLANS DEVELOPED BY:  
MBA CONSULTING  
ENGINEERS, INC.  
CERT. OF AUTH.: AEC0578

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

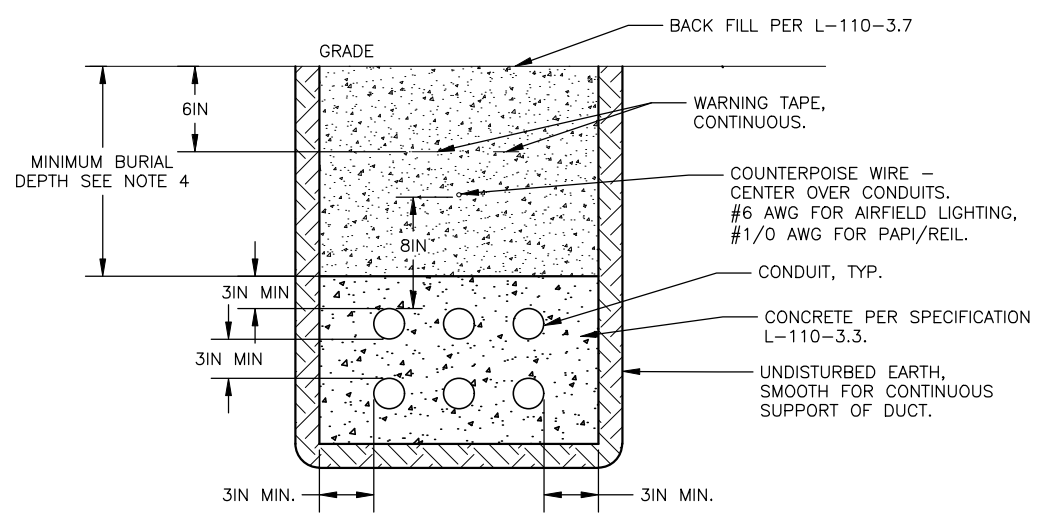
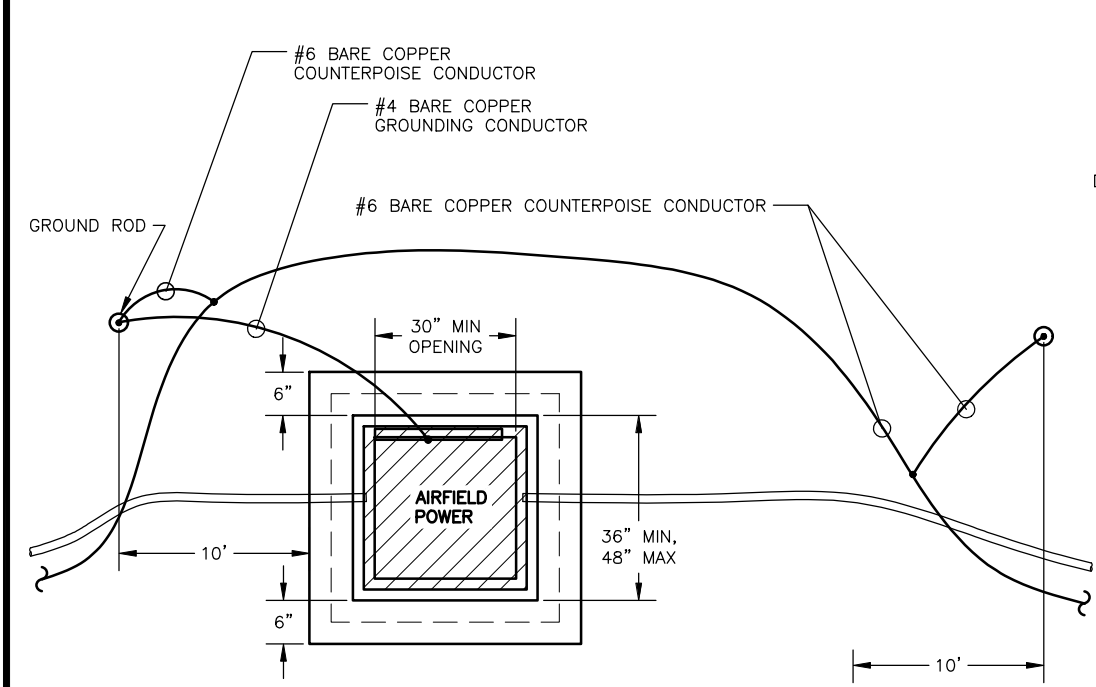
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 AIRFIELD LIGHTING DETAILS

DATE: 3/6/2024  
 SHEET: E6 OF E34  
 OF

Date Revised: 3/5/2024  
 Layout Name: Z:\22034\SB - Valdez SREB and SSSI\Working Drawings\SRSEB\22034\SB\_E7 - HANDHOLE DTLS.dwg  
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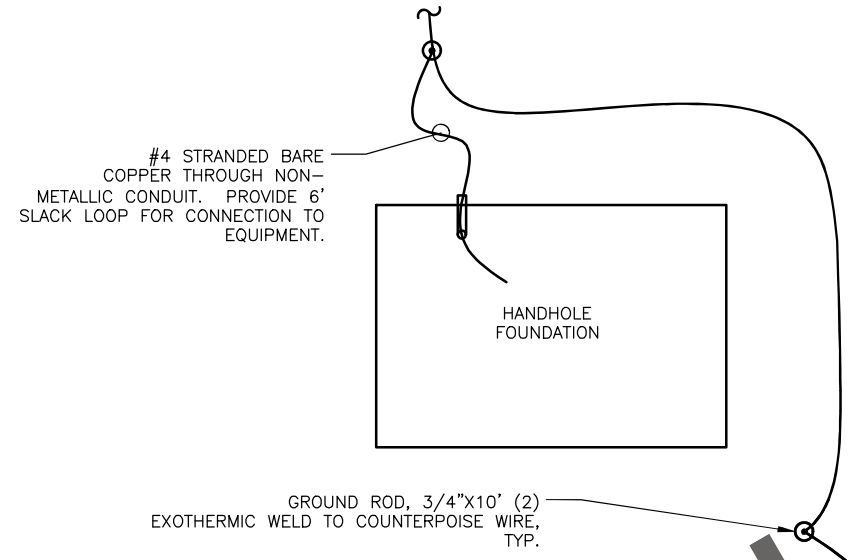
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Designed By: EVC  
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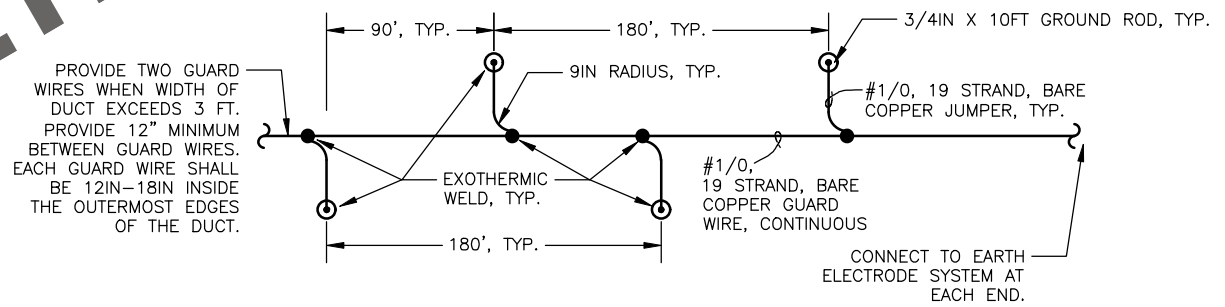


**CONCRETE ENCASEMENT NOTES:**

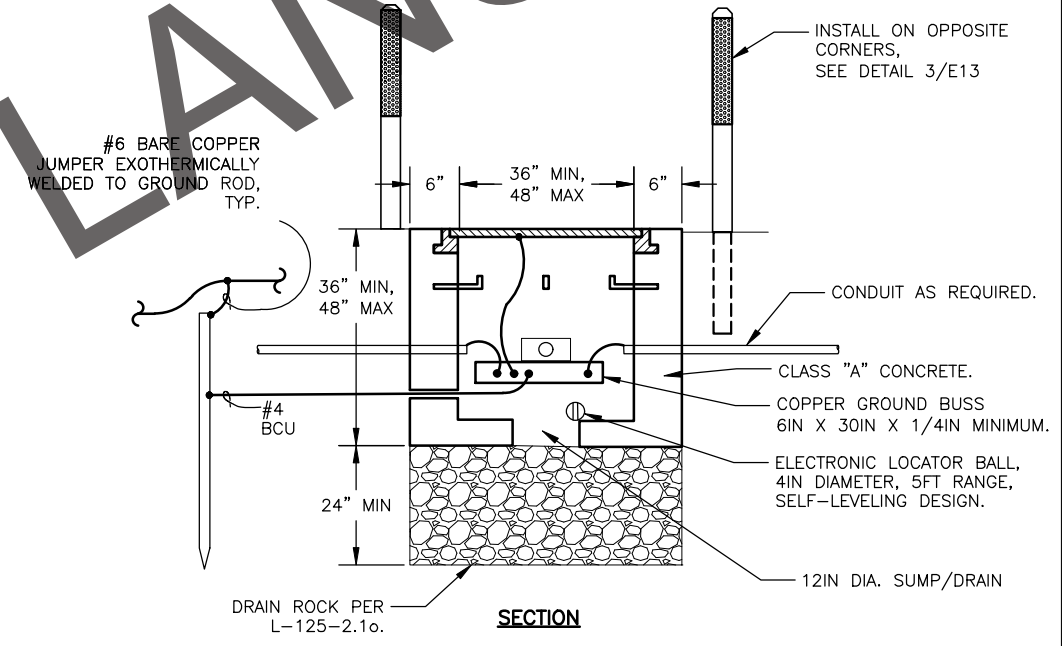
1. WIDTH OF TRENCH AND NUMBER OF CONDUITS PER TRENCH TO BE DETERMINED IN FIELD (6 SHOWN).
2. IN AREAS OF NEW CONSTRUCTION, SEE CIVIL FOR SURFACING AND BACKFILL. IN EXISTING AREAS, MATCH EXISTING SURFACING AND BACKFILL.
3. PLOWING OF CONDUITS WILL NOT BE ALLOWED.
4. MINIMUM BURIAL DEPTH SHALL BE AS FOLLOWS:
  - A) AIRPORT LIGHTING CONDUITS: 18IN
  - B) ALL OTHER CONDUITS: 30IN OR AS INDICATED
  - C) FOR EXISTING DUCT BANK MATCH EXISTING DEPTH
5. PROVIDE SEPARATION PER DETAIL 1/E22.



**1 HANDHOLE GROUNDING DETAIL**  
E7 NTS



**3 AIRFIELD LIGHTING COUNTERPOISE TYPICAL LAYOUT PLAN**  
E7 NTS



**3'X3'X3' HANDHOLE NOTES:**

1. HANDHOLES SHALL BE LOCATED OUTSIDE OF RUNWAY AND TAXIWAY SAFETY AREAS IF POSSIBLE. HANDHOLES SHALL BE H20 RATED.
2. CONDUITS SHALL EXTEND 2" INTO THE HANDHOLE. HDPE CONDUIT ENDS SHALL BE REAMED. PROVIDE INSULATED BUSHINGS FOR RSC. GROUT AROUND CONDUIT ON INSIDE AND OUTSIDE OF HANDHOLE WITH FAST SETTING NON-SHRINK GROUT.
3. CONNECT GROUND CONDUCTORS WITH 2-HOLE LUGS, INSTALL PER MANUFACTURER'S INSTRUCTIONS.
4. PROVIDE NON-METALLIC CABLE MANAGEMENT SYSTEM IN ALL NEW HANDHOLES, MINIMUM ONE RACK PER WALL.
5. REFER TO L-115 FOR ADDITIONAL SPECIFICATIONS.

**4 3'X3'X3' HANDHOLE DETAIL**  
E7 NTS

PLANS DEVELOPED BY:  
MBA CONSULTING  
ENGINEERS, INC.  
CERT. OF AUTH.: AEC0578

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 HANDHOLE DETAILS

DATE: 3/6/2024  
 SHEET: E7 OF E34  
 OF

Date Revised: 3/5/2024  
 Layout Name: Z:\22034\SB - Valdez SREB and SSB\Working Drawings\SREB\22034\SB - E11 - SREB SCHEDULES.dwg  
 File Path & Name:  
 Designed By: EVCC  
 Drawn By: AFD  
 Checked By: EVCC

MBA PROJECT NUMBER: 22034\SB

PANEL: C		MOUNTING MAINS		OPTIONS						
PROJECT: Valdez SREB & SSB		<input checked="" type="checkbox"/> SURFACE <input checked="" type="checkbox"/> LUGS		<input type="checkbox"/> FEEDTHRU <input type="checkbox"/> SHUNT TRIP <input type="checkbox"/> ISO GND BAR						
LOCATION: SREB		<input type="checkbox"/> FLUSH <input checked="" type="checkbox"/> CB		<input type="checkbox"/> SUBFEED LUG <input type="checkbox"/> SUBFEED BRKR <input checked="" type="checkbox"/> SOLID NEUTRAL						
VOLTAGE: 208Y/120 VOLT		3 PHASE 4 WIRE		200 A MLO 22k AIC						
CIRCUIT DESCRIPTION	KVA	AMP	P	CKT	CKT	AMP	P	KVA	CIRCUIT DESCRIPTION	
RECEPTACLES	0.9	20	1	1	2	20	1	0.24	UH-1	
RECEPTACLES	1.1	20	1	3	4	20	1	0.24	UH-2	
RECEPTACLES	0.72	20	1	5	6	20	1	0.24	UH-3	
RECEPTACLES	0.72	20	1	7	8	20	1	0.24	UH-4	
RECEPTACLES	0.90	20	1	9	10	20	1	0.24	UH-5	
NEMA 5-30R	0.18	30	1	11	12	20	1	0.46	UH-6	
NEMA 6-50R	0.5	50	2	13	14	20	1	0.54	ELEC ROOM RECEPTACLES	
NEMA 6-50R	0.5	50	2	15	16	20	1	0.54	ELEC ROOM RECEPTACLES	
NEMA 5-30R	0.18	30	1	17	18	20	1	0.54	UTILITY ROOM RECEPTACLES	
MEZZANINE RECEPTACLES	0.36	20	1	19	20	20	1	0.54	UTILITY ROOM RECEPTACLES	
PMP-3A	2.4	20	3	21	22	20	3	2.4	PMP-2A	
AIR COMPRESSOR, AC-1	4.2	20	3	23	24	20	3	2.7	EF-1	
PANEL G	37.8	150	3	25	26	20	3	0.5	EF-2	
BRIDGE CRANE	4.0	25	3	27	28	20	1	0.09	UH-7	
HEAT TRACE (1)	1.2	20	2	29	30	20	1	0.0	PMP-5	
HEAT TRACE (1)	1.2	20	2	31	32	20	1		SPARE	
HEAT TRACE (1)	1.2	20	2	33	34	20	1		SPARE	
HEAT TRACE (1)	1.2	20	2	35	36	20	1		SPARE	
CONNECTED LOAD:	76.2 KVA		211.6 A		REMARKS:					
DEMAND LOAD:	77.3 KVA		214.5 A		(1) PROVIDE 30mA GFI CIRCUIT BREAKER					
DATE:										

PANEL: G		MOUNTING MAINS		OPTIONS						
PROJECT: Valdez SREB & SSB		<input checked="" type="checkbox"/> SURFACE <input checked="" type="checkbox"/> LUGS		<input type="checkbox"/> FEEDTHRU <input type="checkbox"/> SHUNT TRIP <input type="checkbox"/> ISO GND BAR						
LOCATION: SREB		<input type="checkbox"/> FLUSH <input checked="" type="checkbox"/> CB		<input type="checkbox"/> SUBFEED LUG <input type="checkbox"/> SUBFEED BRKR <input checked="" type="checkbox"/> SOLID NEUTRAL						
VOLTAGE: 208Y/120 VOLT		3 PHASE 4 WIRE		100 A MLO 22k AIC						
CIRCUIT DESCRIPTION	KVA	AMP	P	CKT	CKT	AMP	P	KVA	CIRCUIT DESCRIPTION	
ELEC/UTILITY ROOM/MEZZ LIGHTING	0.5	20	1	1	2	20	1	0.24	UH-1	
HIGH BAY LED	0.8	20	1	3	4	20	1	0.24	UH-2	
HIGH BAY LED	1.0	20	1	5	6	20	1	0.24	UH-3	
HIGH BAY LED	1.0	20	1	7	8	20	1	0.24	UH-4	
HIGH BAY LED	1.5	20	1	9	10	20	1	0.24	UH-5	
HIGH BAY LED	1.0	20	1	11	12	20	1	0.46	UH-6	
EXTERIOR LIGHTING	0.7	20	1	13	14	20	1	0.54	ELEC ROOM RECEPTACLES	
PMP-1B	2.4	20	3	15	16	20	1	0.54	ELEC ROOM RECEPTACLES	
PMP-1A	2.4	20	3	17	18	20	1	0.54	UTILITY ROOM RECEPTACLES	
PMP-2B	2.4	20	3	19	20	20	1	0.54	UTILITY ROOM RECEPTACLES	
B-1B	1.7	20	1	21	22	20	3	2.4	PMP-2A	
B-1A	1.7	20	1	23	24	20	3	2.4	PMP-2A	
FOP-1	0.8	20	1	25	26	20	1	0.5	EF-2	
VF-1	0.0	20	1	27	28	20	1	0.09	UH-7	
WH-1	9.0	30	3	29	30	20	1	0.0	PMP-5	
CONNECTED LOAD:	37.9 KVA		105.3 A		REMARKS:					
DEMAND LOAD:	41.8 KVA		116.0 A							
DATE:										
REV:										

SREB LUMINAIRE SCHEDULE						
CALLOUT	SYMBOL	TOTAL LUMEN	LUMEN/WATT	MOUNTING	DESCRIPTION	MODEL
A/250		35,000	163	19'-0"	PENDANT MOUNT LED, FROSTED ACRYLIC LENS. ALUMINUM HEAT SINK, WIDE DISTRIBUTION. BAA COMPLIANCE.	LITHONIA: IBG 36000LM SEF AFL WD 40K 90CRI BAA ROTO 60 DEG
B/30		3336	111.2	CEILING MOUNT	LOW PROFILE LENS Z STRIP. BAA COMPLIANCE	LITHONIA ZL1D L48 3000LM FST MVOLT 40K 90CRI BAA
W/70		8083	117	EXTERIOR WALL MOUNT	LED WALL LUMINAIRE, ALUMINUM HOUSING. ACRYLIC LENSES. ZERO UPLIGHT. BAA COMPLIANCE.	LITHONIA CSXW LED 30C 700 4K T2M
X/110		11280	103	EXTERIOR WALL MOUNT	LED HIGH WALL LUMINAIRE, ALUMINUM HOUSING WITH INTEGRAL HEAT SINK. ACRYLIC LENSES. BAA COMPLIANCE.	LITHONIA DSXW2 LED 30C 1000 40K T3M MVOLT
EM				8'-0"	EMERGENCY LED LIGHT, THERMOPLASTIC, IMPACT-RESISTANT, AND CORROSION PROOF. BAA COMPLIANCE.	LITHONIA: ELM6L SDRT BAA
EMR				8'-0"	EMERGENCY LED LIGHT, REMOTE HEAD. RATED FOR -40. BAA COMPLIANCE. PROVIDE INDL SP2200L UVOLT LPT SDRT LESS LAMP TO POWER REMOTE HEAD.	LITHONIA: INDRE SP2200L T
EX				UNIVERSAL	LED EXIT SIGN WITH IMPACT-RESISTANT, SCRATCH-RESISTANT AND CORROSION-PROOF.	LITHONIA LIGHTING: LHQM LED G SD BAA

VERIFY CATALOG NUMBER WITH FIXTURE DESCRIPTION FOR ADDITIONAL REQUIREMENT. MANUFACTURER NUMBER IS BASIS OF DESIGN SUBSTITUTIONS IN ACCORDANCE WITH GCP 60-08 FOR APPROVAL.

PRELIMINARY PLANS

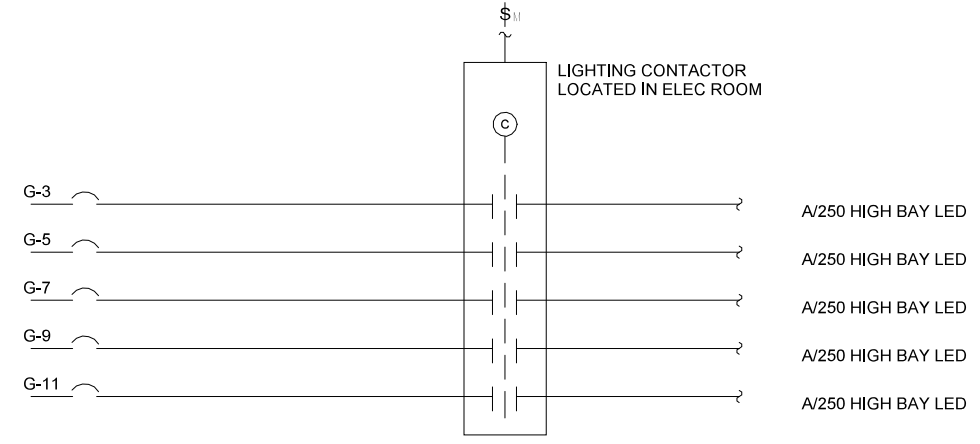
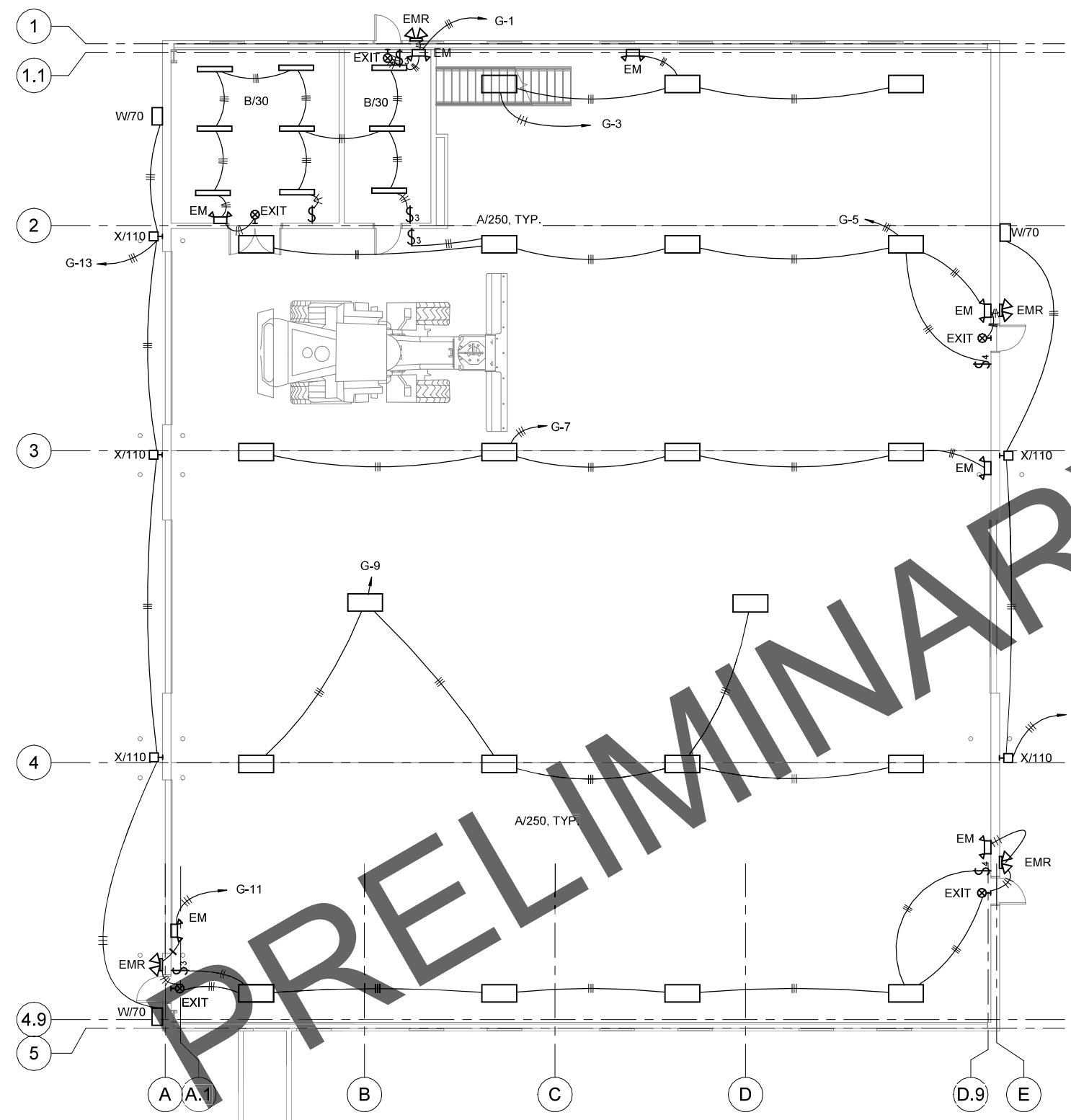
95% FACILITY DESIGN

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STATEWIDE PUBLIC FACILITIES		VALDEZ AIRPORT VALDEZ SNOW REMOVAL EQUIPMENT BUILDING & DEICING MATERIAL STORAGE BUILDING PROJECT No. Z618600000 AIP No. 3-02-0311-XXX-2024 SREB SCHEDULES	DATE: 3/6/2024 SHEET: E11 OF E34 OF
BY	DATE	REVISION	

PLANS DEVELOPED BY:  
MBA CONSULTING  
ENGINEERS, INC.  
CERT. OF AUTH.: AEC0578

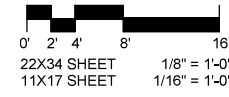
**NOTES:**

1. ALL CONDUITS IN THE BUILDING, PASSING THROUGH THE ZONE FROM THE FLOOR TO 1.5' ABOVE THE FLOOR, SHALL BE RSC AND SHALL HAVE A SEAL FITTING LOCATED 18" MINIMUM ABOVE THE FLOOR. THE BUILDING ELECTRICAL INSTALLATION SHALL COMPLY WITH NEC ARTICLE 511 "COMMERCIAL GARAGES, REPAIR AND STORAGE, MINOR REPAIR GARAGE".
2. MOUNT SWITCHES AND RECEPTACLES +48" AFF.
3. SWITCHES FOR LIGHT FIXTURES SHALL HAVE ILLUMINATED TOGGLES IN THE OFF POSITION.
4. ALL EXTERIOR WIRING, AND INTERIOR WIRING BELOW 10 FT AFF, SHALL USE RSC. IMC AND EMT CONDUIT MAY BE USED ABOVE 10 FT AFF WITHIN THE BUILDING ENVELOPE.
5. NOT USED
6. PROVIDE MINIMUM 18 INCH LIQUIDTIGHT FLEXIBLE METAL CONDUIT SLACK LOOP AT ALL CONDUIT TRANSITIONS FROM UNDERGROUND TO ABOVE GROUND TO ACCOMMODATE DIFFERENTIAL MOVEMENT.
7. PENETRATIONS THROUGH EXTERIOR WALL SHALL BE BELOW EQUIPMENT BEING SERVED AND SHALL BE SEALED TO PREVENT MOISTURE AND AIR INFILTRATION FROM ENTERING THE BUILDING.
8. RACEWAYS SHALL BE CONCEALED BEHIND WAINSCOT EXCEPT AT PANELS AND ELECTRIC CONNECTIONS TO MECHANICAL EQUIPMENT.
9. MOUNT UNDER CANOPY.
10. CONNECT EXTERIOR EMERGENCY REMOTE HEAD TO THE NEAREST EMERGENCY REMOTE BATTERY.
11. PROVIDE 45° ADJUSTABLE MOUNTING BRACKETS, FOR FIXTURES ABOVE WORK BENCH. SEE LIGHT FIXTURE SCHEDULE FOR ADDITIONAL OPTION NUMBER.



**2** A/250 HIGH BAY LIGHTING CONTROL DIAGRAM  
E12 NTS

**1** SREB LIGHTING FLOOR PLAN  
E12 1/8" = 1'-0"



DOCUMENTATION BY:  
MBA CONSULTING  
ENGINEERS INC.  
CERT OF AUTH: AEC0578

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**VALDEZ AIRPORT**  
VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
& DEICING MATERIAL STORAGE BUILDING  
PROJECT No. Z618600000  
AIP No. 3-02-0311-XXX-2024  
SREB LIGHTING PLAN

DATE:  
3/6/2024  
SHEET:  
E12 of E34

**95% FACILITY DESIGN**

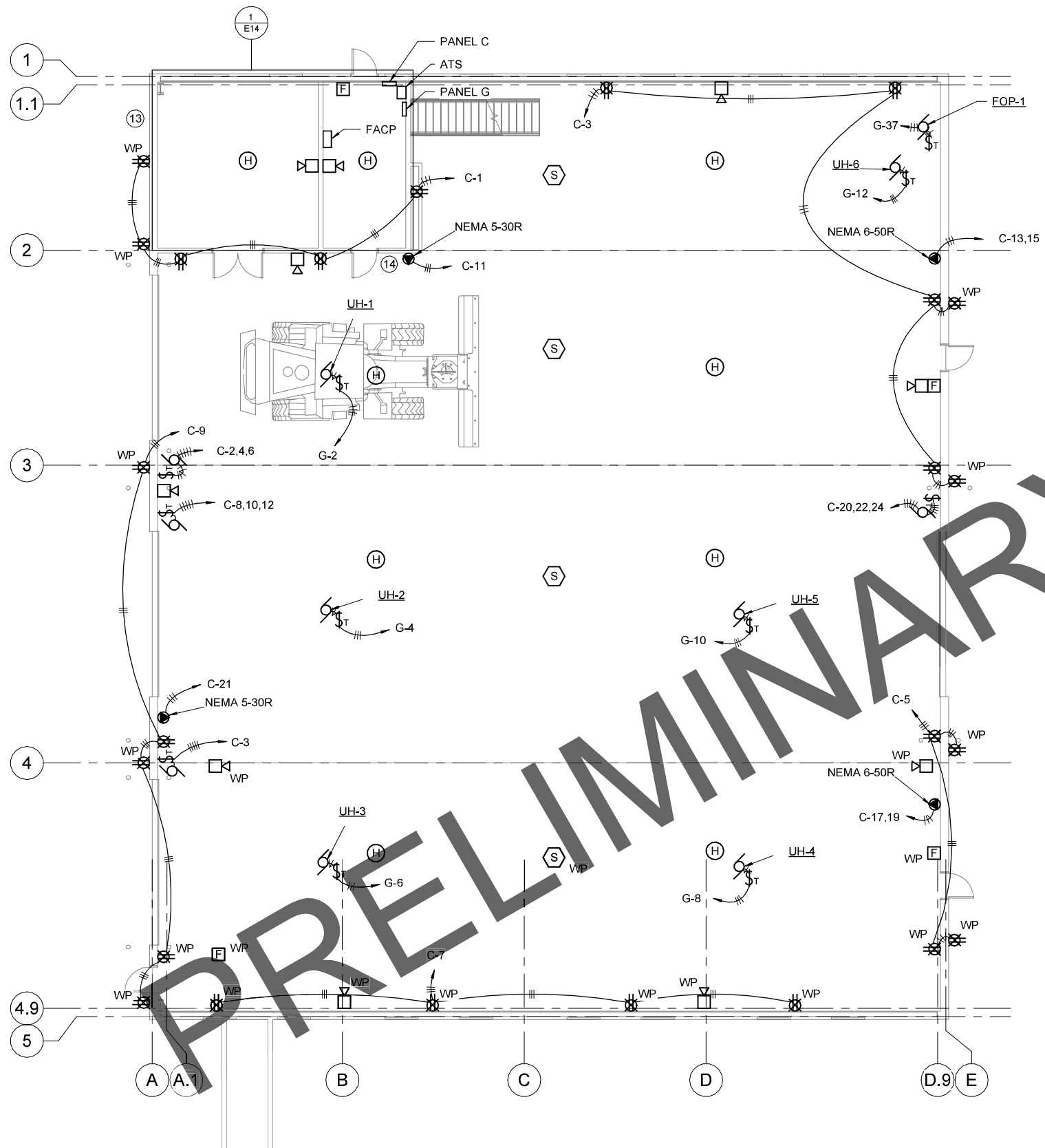
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 Designer: SNS/AB  
 Drawn By: EMC  
 Checked By: EMC

MBA PROJECT NUMBER: 22034VSB



**NOTES:**

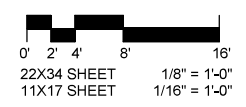
- ① 120-VOLT POWER FOR COMPRESSOR CRANKCASE HEATER AND AUTOMATIC CONDENSATE DRAIN CONTROL TO BE CONNECTED TO NEMA-5-20 DUPLEX RECEPTACLE NEXT TO COMPRESSOR.
2. ALL CONDUITS IN THE BUILDING, PASSING THROUGH THE ZONE FROM THE FLOOR TO 1.5' ABOVE THE FLOOR, SHALL BE RSC AND SHALL HAVE A SEAL FITTING LOCATED 18" MINIMUM ABOVE THE FLOOR. THE BUILDING ELECTRICAL INSTALLATION SHALL COMPLY WITH NEC ARTICLE 511 "COMMERCIAL GARAGES, REPAIR AND STORAGE, MINOR REPAIR GARAGE".
3. INSTALL CONTINUOUS #2/0 AWG BCG IN FOUNDATION FOOTING. GROUNDING ELECTRODE SYSTEM: BOND TOGETHER GROUND RODS, THE BUILDING STEEL FRAME AND THE FOOTING GROUND WITH #2/0 AWG CONDUCTORS. AT THE SERVICE ENTRANCE, BOND #2/0 AWG CONDUCTOR TO GROUNDING ELECTRODE SYSTEM FOR CONNECTION TO BUILDING DISCONNECT. SEE DETAIL 2/E10 FOR MORE INFORMATION.
4. ALL EXTERIOR WIRING, AND INTERIOR WIRING BELOW 10 FT AFF, SHALL USE RSC. IMC AND EMT CONDUIT MAY BE USED ABOVE 10 FT AFF WITHIN THE BUILDING ENVELOPE.
5. PROVIDE MINIMUM 18 INCH LIQUIDTIGHT FLEXIBLE METAL CONDUIT SLACK LOOP AT ALL CONDUIT TRANSITIONS FROM UNDERGROUND TO ABOVE GROUND TO ACCOMMODATE DIFFERENTIAL MOVEMENT.
6. PENETRATIONS THROUGH EXTERIOR WALL SHALL BE BELOW EQUIPMENT BEING SERVED AND SHALL BE SEALED TO PREVENT MOISTURE AND AIR INFILTRATION FROM ENTERING THE BUILDING.
7. RACEWAYS SHALL BE CONCEALED BEHIND WAINSCOT EXCEPT AT PANELS AND ELECTRIC CONNECTIONS TO MECHANICAL EQUIPMENT.
- ⑧ DISCONNECTS INCLUDED IN DAY TANK PUMP PACKAGE.
- ⑨ INSTALL OVER HEAD DOOR DISCONNECT, CONTROLS AND SAFETIES IN ACCORDANCE WITH MANUFACTURES INSTRUCTION.
- ⑩ ELECTRONIC SPEED CONTROL - SUPPLIED OR RECOMMENDED BY THE PADDLE FAN MANUFACTURER. SPRING-MOTOR, TIME INTERVAL SWITCH, BY DIV. 23, WITHOUT HOLD OPTION, WITH NORMALLY OPEN ISOLATED CONTACT RATED 15 AMPS @ 120 VOLTS, AND TIME INTERVAL 0-12 HOURS. MOUNT 66 INCHES A.F.F. PROVIDE SIGN THAT READS "FAN TIMER".
- ⑪ CONNECT EXISTING WATER LINE HEAT TRACE.
- ⑫ PROVIDE A SPARE 3/4" CONDUIT PATH FROM FOP-1 TO DT-1 FOR CONTROLS ALARMS
- ⑬ MOUNT FAA AND ALMR RADIO ANTENNAS TO FACIA.
- ⑭ PROVIDE WALL MOUNTED PHONE.
14. PROVIDE CLEAR PROTECTIVE COVER FOR FIRE ALARM MANUAL PULL STATION ST1-6519 OR APPROVED EQUAL.



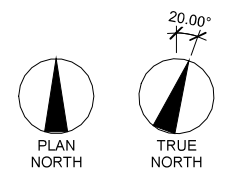
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 Layer Name: SREB POWER PLAN  
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 Designed By: Designer  
 Drawn By: Author  
 Checked By: Checker

MBA PROJECT NUMBER: 22034VSB

**1 SREB POWER AND SPECIAL SYSTEMS FLOOR PLAN**  
 E13 1/8" = 1'-0"



DOCUMENTATION BY:  
 MBA CONSULTING  
 ENGINEERS INC.  
 CERT OF AUTH: AEC0578



BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB POWER PLAN

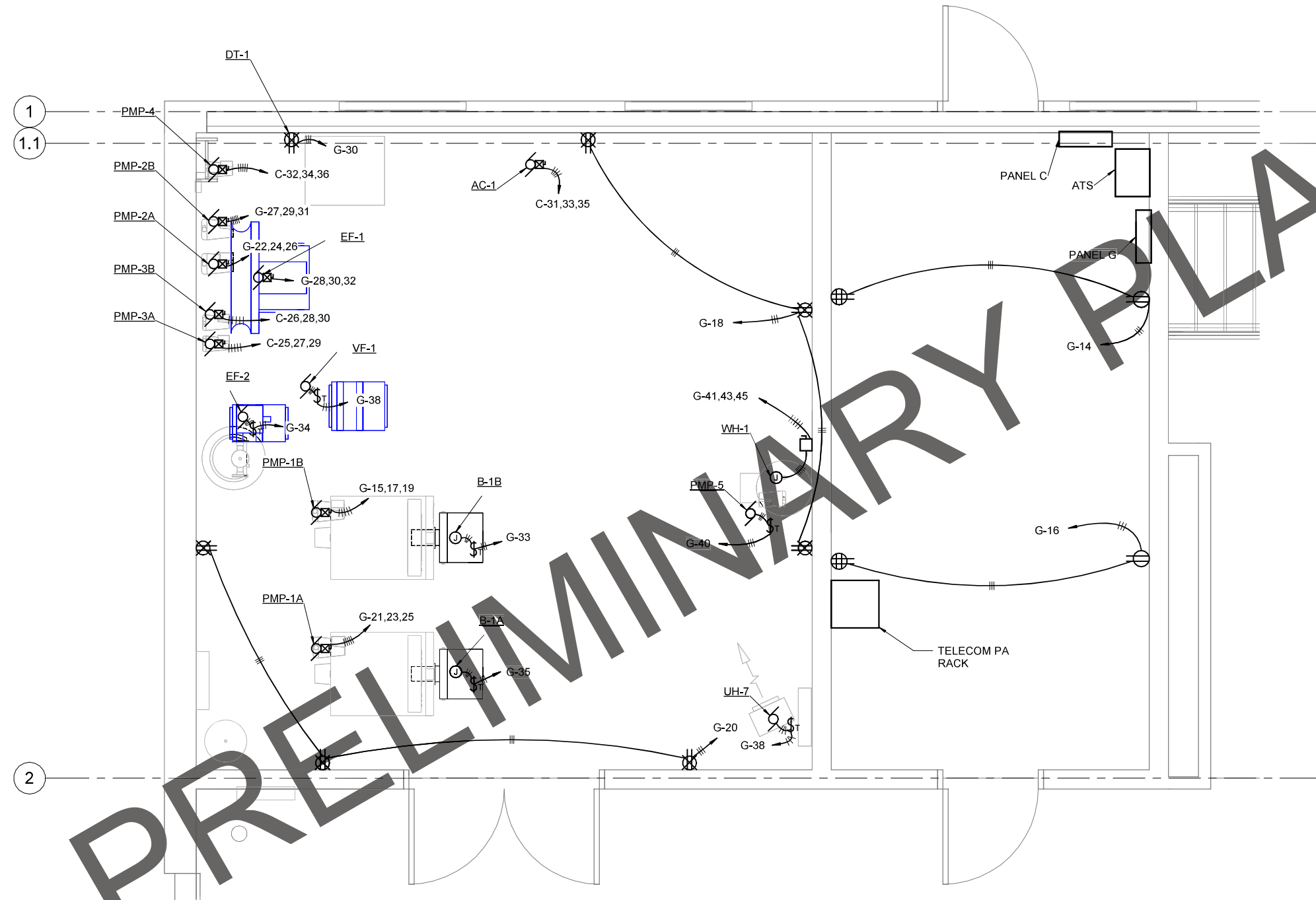
DATE:  
 3/6/2024  
 SHEET:  
 E13 of E34

**95% FACILITY DESIGN**



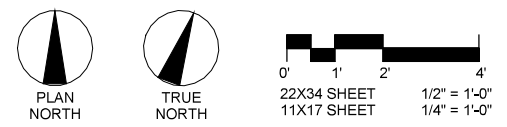
**NOTES:**

1. ALL CONDUITS IN THE BUILDING, PASSING THROUGH THE ZONE FROM THE FLOOR TO 1.5' ABOVE THE FLOOR, SHALL BE RSC AND SHALL HAVE A SEAL FITTING LOCATED 18" MINIMUM ABOVE THE FLOOR. THE BUILDING ELECTRICAL INSTALLATION SHALL COMPLY WITH NEC ARTICLE 511 "COMMERCIAL GARAGES, REPAIR AND STORAGE, MINOR REPAIR GARAGE".



Date Revised: 3/5/2024 7:05:09 PM  
 Layer Name: ENLARGED MECH/ELEC ROOM POWER PLAN  
 File Path & Name: C:\Users\Andrew\Documents\2024\_Valdez SREB Electrical\_Andrew\DDRY40.rvt  
 Designed By: Designer  
 Drawn By: Author  
 Checked By: Checker

**1** SREB ENLARGED MECHANICAL/ELECTRICAL ROOM POWER PLAN  
 E14 1/2" = 1'-0"



**95% FACILITY DESIGN**

MBA PROJECT NUMBER: 22034VSB

DOCUMENTATION BY:  
 MBA CONSULTING  
 ENGINEERS INC.  
 CERT OF AUTH: AEC0578

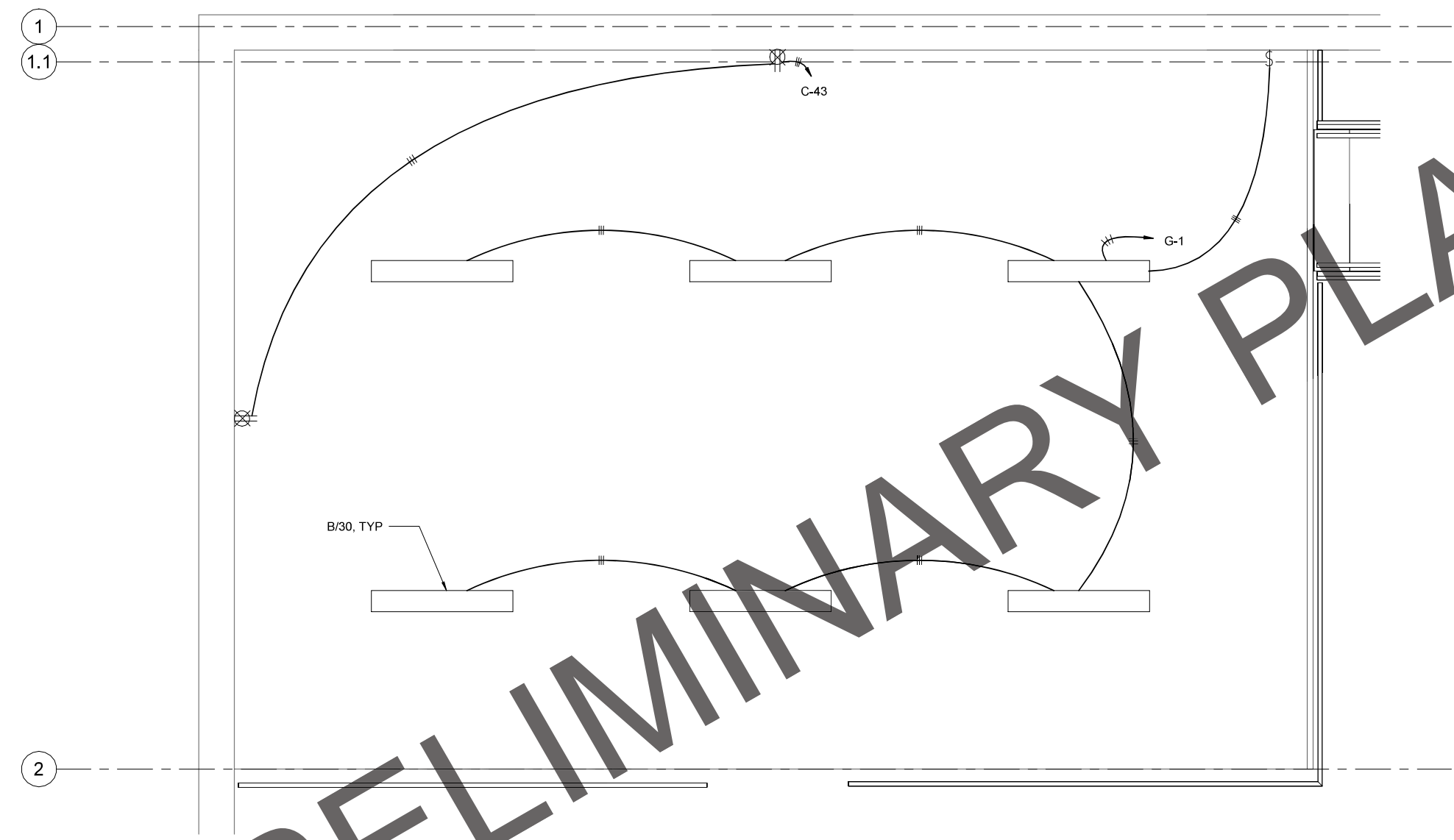
BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z61860000  
 AIP No. 3-02-0311-XXX-2024  
 ENLARGED MECH/ELEC ROOM POWER PLAN

DATE:  
 3/6/2024  
 SHEET:  
 E14 of E34

NOTES:



PRELIMINARY PLANS

**1** SREB ENLARGED MEZZANINE PLAN  
 E15 1/2" = 1'-0"

Date Revised: 3/5/2024 7:06:09 PM  
 Layer Name: E15  
 File Path & Name: C:\Users\Andrew\Documents\22034\_Valdez SREB Electrical\_Andrew\DDRY40.rvt  
 Designer: Andrew  
 Drawn By: Andrew  
 Checked By: Andrew

MBA PROJECT NUMBER: 22034VSB

PLANS DEVELOPED BY:  
 MBA CONSULTING  
 ENGINEERS, INC.  
 CERT. OF AUTH.: AECC578

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

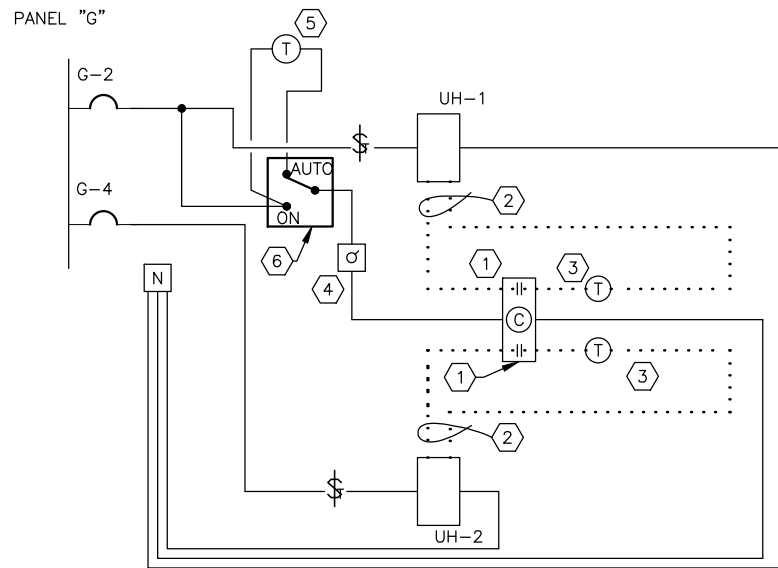
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 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB ENLARGED MEZZANINE PLAN

DATE: 3/6/2024  
 SHEET: E15 of E34  
 OF

95% FACILITY DESIGN

Date Revised: 3/6/2024  
 Layout Name: Z:\22034\SB - Valdez SREB and SSEE\Working Drawings\SREB\E16-CTRL DETAIL 3.dwg  
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 Designed By: EVC  
 Drawn By: EVC  
 Checked By: EVC

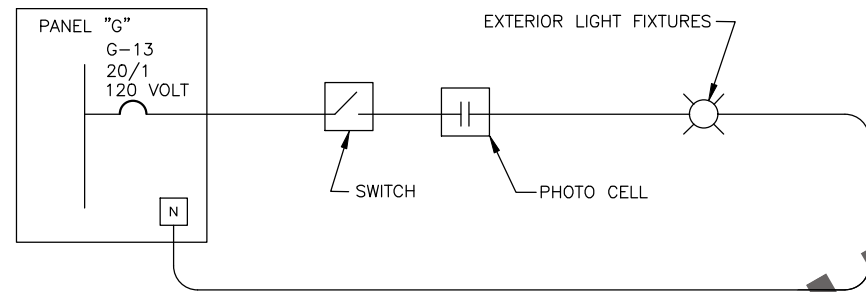
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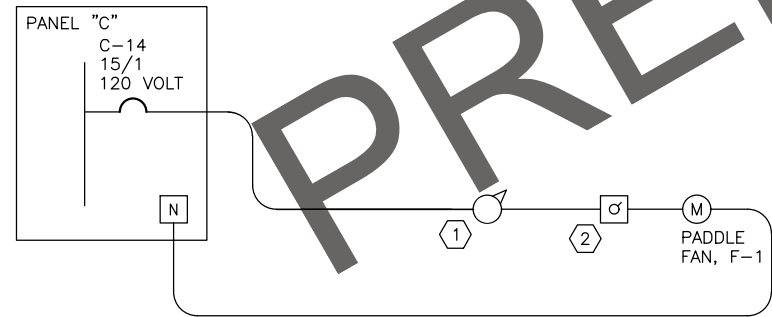
**1 SREB HEATING CONTROL WIRING DIAGRAM**  
E16 NTS

- NOTES - DETAIL 1:**
- ① PLUG-IN RELAY WITH 120V COIL, DPDT CONTACTS, SCREW TERMINAL BASE. SQUARE D CLASS 8501 KUR12V120 RELAY, 8501NR8B BASE, 8501NH82 HOLD DOWN CLIP OR APPROVED EQUAL. WALL MOUNT IN WEATHERPROOF ENCLOSURE.
  - ② THERMOSTAT WIRE - CAN RUN EXPOSED BUT MUST BE STAPLED TO WAINSCOT 24 INCHES O.C.
  - ③ THERMOSTAT FOR HEATER - NON MERCURY TYPE. HIGH TEMPERATURE SET AT 65° F.
  - ④ SPRING-MOTOR, TIME INTERVAL SWITCH, BY DIV. 23, WITHOUT HOLD OPTION, WITH NORMALLY OPEN ISOLATED CONTACT RATED 15 AMPS @ 120 VOLTS, AND TIME INTERVAL 0-12 HOURS. MOUNT NEXT TO LATCH SIDE OF MAN DOOR 66 INCHES A.F.F., SEE NOTE 5 BELOW. PROVIDE SIGN THAT READS "HEAT CONTROL TIMER - HEATERS WILL RUN WHEN TIME REMAINING IS GREATER THAN ZERO".
  - ⑤ EXTERIOR THERMOSTAT SET TO CLOSE CONTACTS WHEN EXTERIOR TEMPERATURE IS BELOW 50°F. HONEYWELL T675A1136 CONTROLLER TEMPERATURE SENSOR OR APPROVED EQUAL.
  - ⑥ KEYED (AUTO-ON) SWITCH (SHOWN IN AUTO POSITION). KEY THE SAME AS THE RECEPTACLE HOA SWITCH.

7. SEQUENCE OF OPERATION:  
 CONTACTS IN ④ ARE ENERGIZED WHEN OUTSIDE TEMPERATURE IS BELOW 50°F.  
 THE CONTACTS IN THE TIME SWITCH ④ CLOSE WHEN THE SWITCH IS SET TO ANY TIME GREATER THAN ZERO.  
 RELAY CONTACTS CLOSE WHEN TIME SWITCH CONTACTS ④ CLOSE.  
 CONNECT RELAY CONTACTS IN SERIES WITH THERMOSTAT.  
 WHEN THE TIMER SWITCH ④ TIMES OUT, ITS INTERNAL CONTACT OPENS AND BURNER CEASES OPERATION.

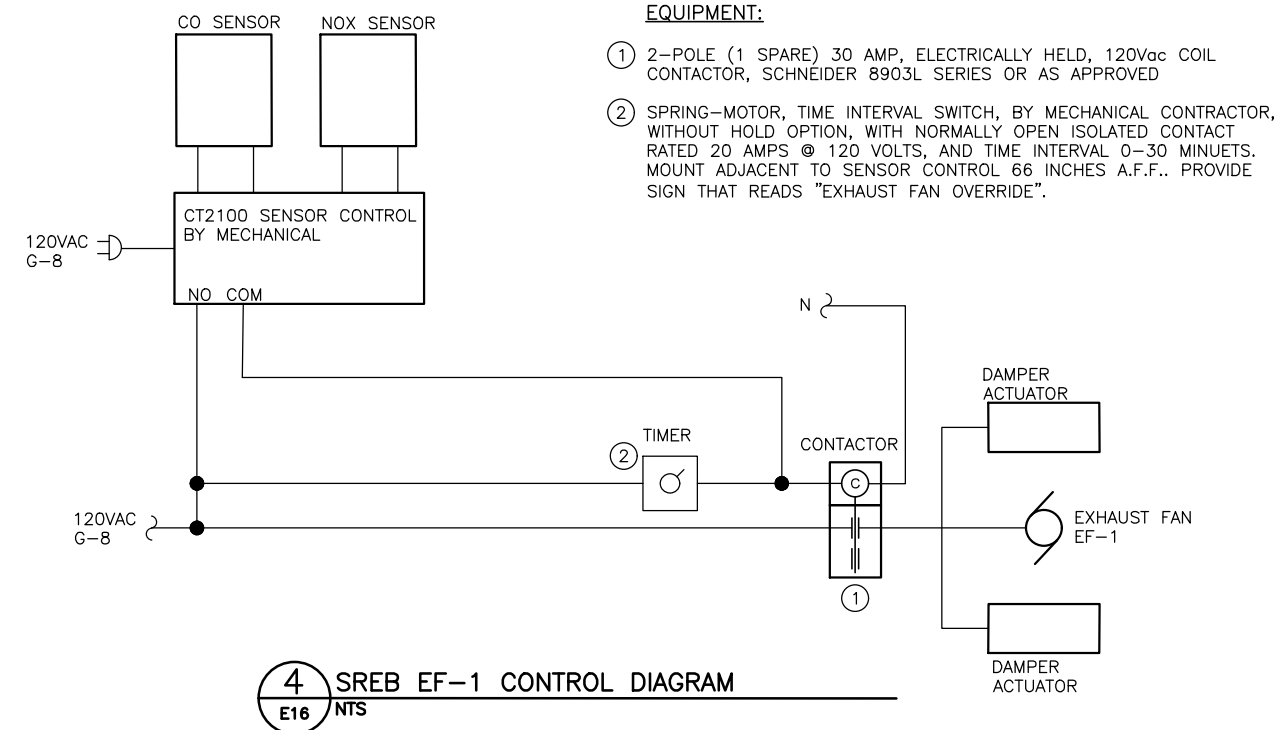


**2 SREB EXTERIOR LIGHTING CONTROL DIAGRAM**  
E16 NTS



**3 SREB PADDLE FAN CONTROL DIAGRAM**  
E16 NTS

- NOTES - DETAIL 3:**
- ① ELECTRONIC SPEED CONTROL - SUPPLIED OR RECOMMENDED BY THE PADDLE FAN MANUFACTURER.
  - ② SPRING-MOTOR, TIME INTERVAL SWITCH, BY DIV. 23, WITHOUT HOLD OPTION, WITH NORMALLY OPEN ISOLATED CONTACT RATED 15 AMPS @ 120 VOLTS, AND TIME INTERVAL 0-12 HOURS. MOUNT 66 INCHES A.F.F. PROVIDE SIGN THAT READS "FAN TIMER".



**4 SREB EF-1 CONTROL DIAGRAM**  
E16 NTS

- EQUIPMENT:**
- ① 2-POLE (1 SPARE) 30 AMP, ELECTRICALLY HELD, 120V<sub>ac</sub> COIL CONTACTOR, SCHNEIDER 8903L SERIES OR AS APPROVED
  - ② SPRING-MOTOR, TIME INTERVAL SWITCH, BY MECHANICAL CONTRACTOR, WITHOUT HOLD OPTION, WITH NORMALLY OPEN ISOLATED CONTACT RATED 20 AMPS @ 120 VOLTS, AND TIME INTERVAL 0-30 MINUETS. MOUNT ADJACENT TO SENSOR CONTROL 66 INCHES A.F.F.. PROVIDE SIGN THAT READS "EXHAUST FAN OVERRIDE".

PLANS DEVELOPED BY:  
 MBA CONSULTING  
 ENGINEERS, INC.  
 CERT. OF AUTH.: AEC0578

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB CONTROLS DETAILS

DATE: 3/6/2024  
 SHEET: E16 OF E34  
 OF

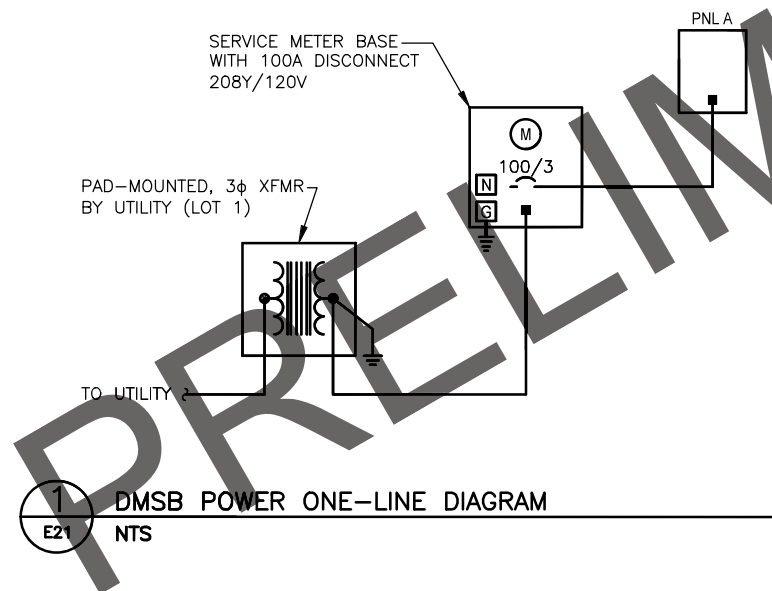
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 Drawn By: EVC  
 Checked By: EVC

MBA PROJECT NUMBER: 22034VSB

PANEL: A									
PROJECT: Valdez SREB & SSB		MOUNTING		MAINS		OPTIONS			
LOCATION: DMSB		<input checked="" type="checkbox"/> SURFAC	<input checked="" type="checkbox"/> LUGS	<input type="checkbox"/> FEEDTHRU	<input type="checkbox"/> SHUNT TRIP	<input type="checkbox"/> ISO GND BAR			
VOLTAGE: 208Y/120 VOLT		<input checked="" type="checkbox"/> FLUSH	<input checked="" type="checkbox"/> CB	<input type="checkbox"/> SUBFEED LUG	<input type="checkbox"/> SUBFEED BRKR	<input checked="" type="checkbox"/> SOLID NEUTRAL			
		3 PHASE 4 WIRE		100 A MLO		22k AIC			
CIRCUIT DESCRIPTION	KVA	AMP	P	CKT	CKT	AMP	P	KVA	CIRCUIT DESCRIPTION
INTERIOR LIGHTING	1.6	20	1	1	2	20	1	0.54	UTILITY ROOM RECEPTACLES
EXTERIOR LIGHTING	0.4	20	1	3	4	20	1	0.54	BAY RECEPTACLES
SPARE		20	1	5	6	20	1	1.2	PMP-2A
OVERHEAD DOOR OPERATOR	2.7	20	3	7	8	20	1	1.2	PMP-2D
				9	10	20	1	0.8	PMP-1A
				11	12	20	1	0.8	PMP-1B
SPARE		20	1	13	14	20	1	0.5	B-1
UH-2	0.5	20	1	15	16	20	2	3.0	UH-1
EF-1	1.0	20	3	17	18	20	1		SPARE
				19	20	20	1		SPARE
				21	22	20	1		SPARE
SPARE		20	1	23	24	20	1		SPARE
SPARE		20	1	25	26	20	1		SPARE
SPARE		20	1	27	28	20	1		SPARE
SPARE		20	1	29	30	20	1		SPARE
CONNECTED LOAD:		14.7 KVA		40.8 A	REMARKS:				
DEMAND LOAD:		15.9 KVA		44.2 A					
DATE:									
REV:									

DMSB LUMINAIRE SCHEDULE						
CALLOUT	SYMBOL	TOTAL LUMEN	LUMEN/WATT	MOUNTING	DESCRIPTION	MODEL
A/250		35,000	163	19'-0"	PENDANT MOUNT LED, FROSTED ACRYLIC LENS, ALUMINUM HEAT SINK, WIDE DISTRIBUTION, BAA COMPLIANCE.	LITHONIA IBG 36000LM SEF AFL WD 40K 90CRI BAA ROTO 60 DEG
B/50		5541	135	10'-0" AFF	LOW PROFILE LENS Z STRIP. BAA COMPLIANCE	LITHONIA ZL1D L48 5000LM FST MVOLT 40K 90CRI BAA
Z/120		11942	115	EXTERIOR WALL MOUNT	LED WALL LUMINAIRE, ALUMINUM HOUSING, ACRYLIC LENSES. ZERO UPLIGHT. BAA COMPLIANCE.	LITHONIA CSXW LED 30C 1000 4K TFTM
EM				8'-0"	EMERGENCY LED LIGHT, THERMOPLASTIC, IMPACT-RESISTANT, AND CORROSION PROOF. BAA COMPLIANCE.	LITHONIA: ELM6L SDRT BAA
EMR				8'-0"	EMERGENCY LED LIGHT, REMOTE HEAD. RATED FOR -40. BAA COMPLIANCE. PROVIDE INDL SP2200L UVOLT LPT SDRT LESS LAMP TO POWER REMOTE HEAD.	LITHONIA: INDRE SP2200L T

VERIFY CATALOG NUMBER WITH FIXTURE DESCRIPTION FOR ADDITIONAL REQUIREMENT.  
 MANUFACTURER NUMBER IS BASIS OF DESIGN SUBSTITUTIONS IN ACCORDANCE WITH GCP 60-08 FOR APPROVAL.



PLANS DEVELOPED BY:  
 MBA CONSULTING  
 ENGINEERS, INC.  
 CERT. OF AUTH.: AEC0578

BY	DATE	REVISION

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 STATEWIDE PUBLIC FACILITIES

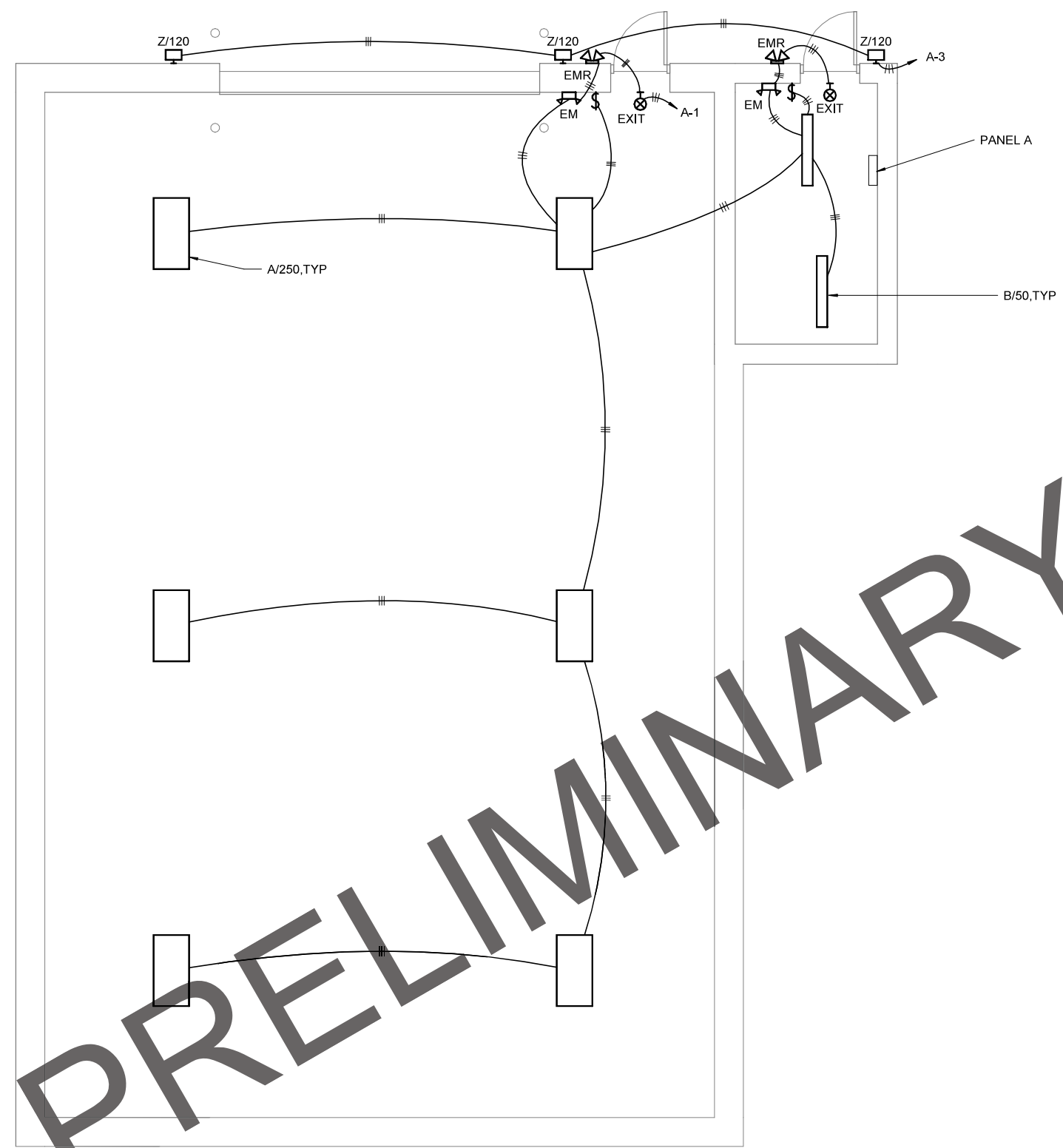
95% FACILITY DESIGN  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 DMSB SCHEDULES

DATE: 3/6/2024  
 SHEET: E21 OF E34  
 OF

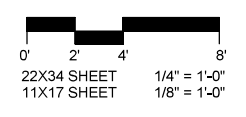
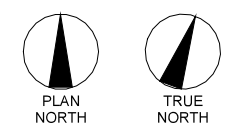
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 Drawn By: [Redacted]  
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MBA PROJECT NUMBER: 22034VSB

NOTES:



**1** DMSB - LIGHTING PLAN  
 E22 1/4" = 1'-0"



PRELIMINARY PLANS

PLANS DEVELOPED BY:  
 MEA CONSULTING  
 ENGINEERS, INC.  
 CERT. OF AUTH. AECC578

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
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**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 DMSB LIGHTING PLAN

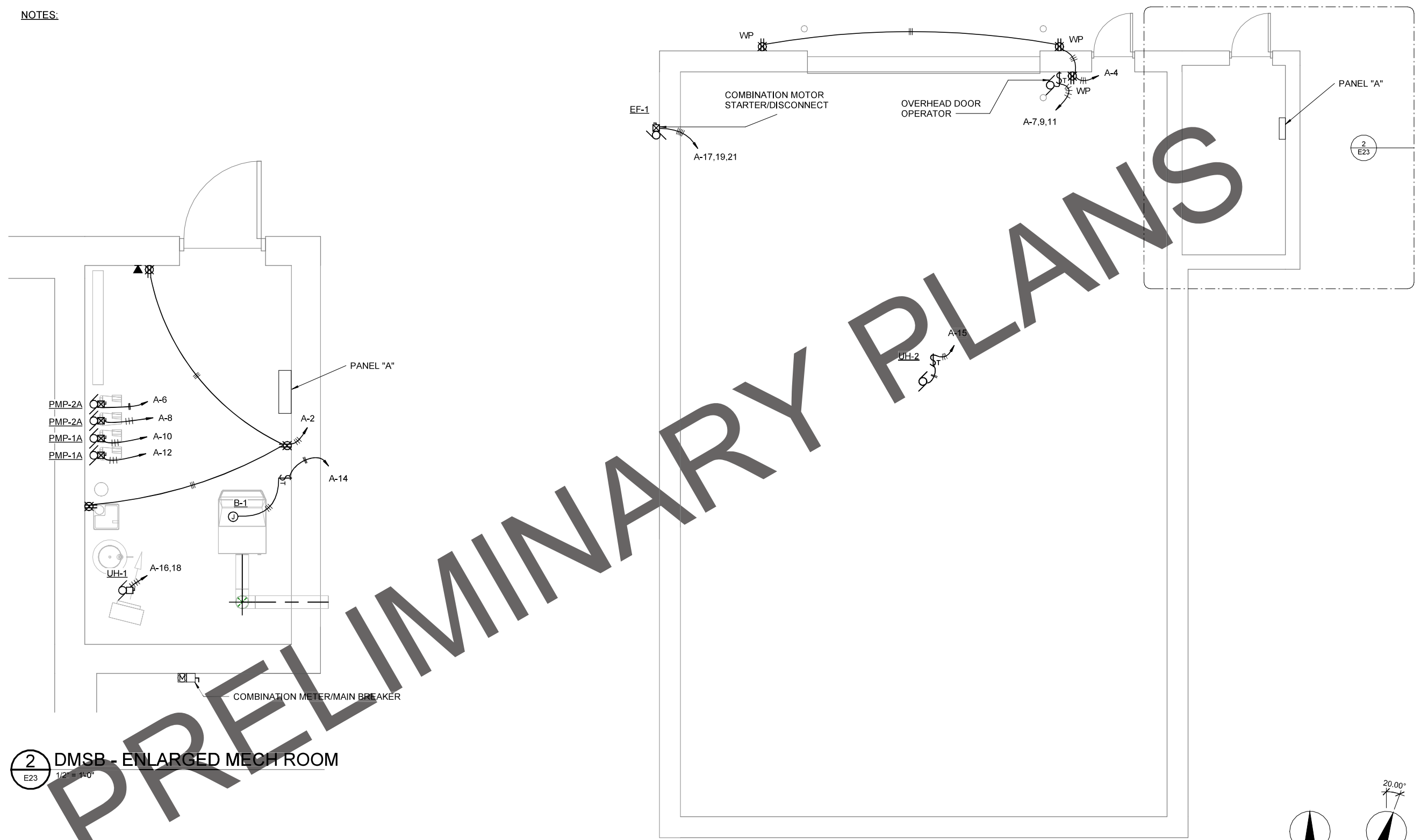
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 SHEET: E22 of E34  
 OF



Date Revised: 3/5/2024 8:48:28 PM  
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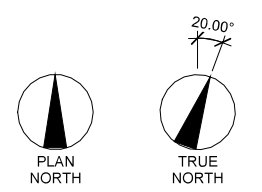
MBA PROJECT NUMBER: 22034VSB

NOTES:



**2** DMSB - ENLARGED MECH ROOM  
E23 1/2" = 1'-0"

**1** DMSB - POWER PLAN  
E23 1/4" = 1'-0"



PLANS DEVELOPED BY:  
MBA CONSULTING  
ENGINEERS, INC.  
CERT. OF AUTH., AECC578

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
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**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**  
**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 DMSB - POWER PLAN

DATE: 3/6/2024  
 SHEET: E23 of E34  
 OF

Date Revised: 3/5/2024  
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LOCATION: GEEB		<input type="checkbox"/> FLUSH <input type="checkbox"/> CB		<input type="checkbox"/> SUBFEED LUG <input type="checkbox"/> SUBFEED BRKR <input checked="" type="checkbox"/> SOLID NEUTRAL						
VOLTAGE: 208Y/120 VOLT		3 PHASE 4 WIRE		400 A MLO						
CIRCUIT DESCRIPTION		KVA	AMP	P	CKT	CKT	AMP	P	KVA	CIRCUIT DESCRIPTION
PANEL G			150	3	1	2	200	3		PANEL B
PANEL EM			100	3	3	4				SPACE
SPACE					5	6				SPACE
CONNECTED LOAD:		0.0 KVA		0.0 A		REMARKS:				
DEMAND LOAD:		0.0 KVA		0.0 A						
DATE:										
REV:										

<b>PANEL: GEN</b>		MOUNTING MAINS		OPTIONS						
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VOLTAGE: 208Y/120 VOLT		3 PHASE 4 WIRE		100 A MLO						
CIRCUIT DESCRIPTION		KVA	AMP	P	CKT	CKT	AMP	P	KVA	CIRCUIT DESCRIPTION
INTERIOR LIGHTING		0.2	20	1	1	2	20	1	0.72	RECEPTACLES
EXTERIOR LIGHTING		0.4	20	1	3	4	20	1		
SPARE			20	1	5	6	20	1	3	EUH-1
SPARE			20	1	7	8	20	1		
SPARE			20	1	9	10	20	1	3	EUH-1
SPARE			20	1	11	12	20	1	0.83	VF-1
SPARE			20	1	13	14	20	1	0.83	DT-1
SPARE			20	1	15	16	20	1		SPARE
SPARE			20	1	17	18	20	1		SPARE
SPARE			20	1	19	20	20	1		SPARE
CONNECTED LOAD:		8.9 KVA		24.7 A		REMARKS:				
DEMAND LOAD:		9.8 KVA		27.2 A						
DATE:										
REV:										

<b>PANEL: B</b>		MOUNTING MAINS		OPTIONS						
PROJECT: Valdez SREB & SSB		<input checked="" type="checkbox"/> SURFACE <input checked="" type="checkbox"/> LUGS		<input type="checkbox"/> FEEDTHRU <input type="checkbox"/> SHUNT TRIP <input type="checkbox"/> ISO GND BAR						
LOCATION: GEEB		<input type="checkbox"/> FLUSH <input type="checkbox"/> CB		<input type="checkbox"/> SUBFEED LUG <input type="checkbox"/> SUBFEED BRKR <input checked="" type="checkbox"/> SOLID NEUTRAL						
VOLTAGE: 208Y/120 VOLT		3 PHASE 4 WIRE		100 A MLO						
CIRCUIT DESCRIPTION		KVA	AMP	P	CKT	CKT	AMP	P	KVA	CIRCUIT DESCRIPTION
VOLTAGE REGULATOR		1.4	20	1	1	2	20	1	7.5	L-829 CONSTANT CURRENT REGULATOR
SPARE			20	1	3	4	20	1		
SPARE			20	1	5	6	20	1	7.5	L-829 CONSTANT CURRENT REGULATOR
SPARE			20	1	7	8	20	1		
SPARE			20	1	9	10	20	1	20	L-829 CONSTANT CURRENT REGULATOR
SPARE			20	1	11	12	20	1		SPARE
SPARE			20	1	13	14	20	1		SPARE
SPARE			20	1	15	16	20	1		SPARE
SPARE			20	1	17	18	20	1		SPARE
SPARE			20	1	19	20	20	1		SPARE
SPARE			20	1	21	22	20	1		SPARE
SPARE			20	1	23	24	20	1		SPARE
SPARE			20	1	25	26	20	1		SPARE
SPARE			20	1	27	28	20	1		SPARE
SPARE			20	1	29	30	20	1		SPARE
CONNECTED LOAD:		36.4 KVA		101.0 A		REMARKS:				
DEMAND LOAD:		16.4 KVA		45.5 A						
DATE:										
REV:										

NOTES:



**DETAIL 1 NOTES:**

- ① SIGN: COLORS - WHITE 3/4" LETTERS ON RED BACKGROUND. TEXT - "FUEL PUMP EMERGENCY SHUT OFF SWITCH". MOUNT SIGN 6" ABOVE EMERGENCY FUEL TANK PUMP SHUT DOWN SWITCH.
- ② FUEL PUMP EMERGENCY SHUT OFF DISCONNECT SWITCH. 30-AMP 2-POLE 250-VOLT SWITCH, CAPABLE OF BEING LOCKED IN THE OPEN POSITION IN A WET LOCATION BOX WITH A RAIN TIGHT ACTUATOR. LABEL SWITCH POSITIONS (UP = ON, DOWN = OFF). MOUNT DISCONNECT ON THE EXTERIOR OF THE BUILDING, MINIMUM 20 FEET FROM FUEL DISPENSER.
- ③ POWER FOR THE PUMP, FROM A SWITCH-RATED 20-AMP 1-POLE 120-VOLT CIRCUIT BREAKER IN PANEL M. SEAL CONDUIT THROUGH WALL TO PREVENT MOISTURE FROM ENTERING BUILDING. RUN CIRCUIT UNDERGROUND TO FUEL DISPENSER PUMP MOUNTED ON FUEL DISPENSING TANK. SEE 1/E3 FOR LOCATION OF FUEL TANK. PROVIDE SEALING FITTING 18" ABOVE GRADE AT EACH END OF UNDERGROUND CONDUIT RUN.
4. MOUNT ALL ITEMS ON THE BUILDING.

**DETAIL 2 NOTES:**

- ① FUEL PUMP EMERGENCY SHUT OFF SWITCH. 30-AMP 2-POLE 250-VOLT SWITCH, CAPABLE OF BEING LOCKED IN THE OPEN POSITION, IN A WET LOCATION BOX WITH A RAIN TIGHT ACTUATOR. LABEL SWITCH POSITIONS (UP = ON, DOWN = OFF). MOUNT DISCONNECT ON THE EXTERIOR OF THE BUILDING, WITHIN SIGHT OF PUMP, MINIMUM 20 FEET FROM FUEL DISPENSER. SEE 1/E3 FOR LOCATION OF TANK.
- ② POWER FOR THE PUMP, FROM A SWITCH-RATED 20-AMP 1-POLE, 120-VOLT, CIRCUIT BREAKER IN PANEL B. RUN CIRCUIT UNDERGROUND TO FUEL DISPENSER PUMP MOUNTED ON FUEL DISPENSING TANK. SEE 1/E3 FOR LOCATION OF FUEL TANK. PROVIDE SEALING FITTING 18" ABOVE GRADE AT EACH END OF UNDERGROUND CONDUIT RUN.

**1 MOTOR VEHICLE FUEL PUMP ELECTRICAL DETAIL**  
E31 NTS

**2 FUEL DISPENSER DIAGRAM**  
E31 NTS

95% FACILITY DESIGN

PLANS DEVELOPED BY:  
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ENGINEERS, INC.  
CERT. OF AUTH.: AECC578

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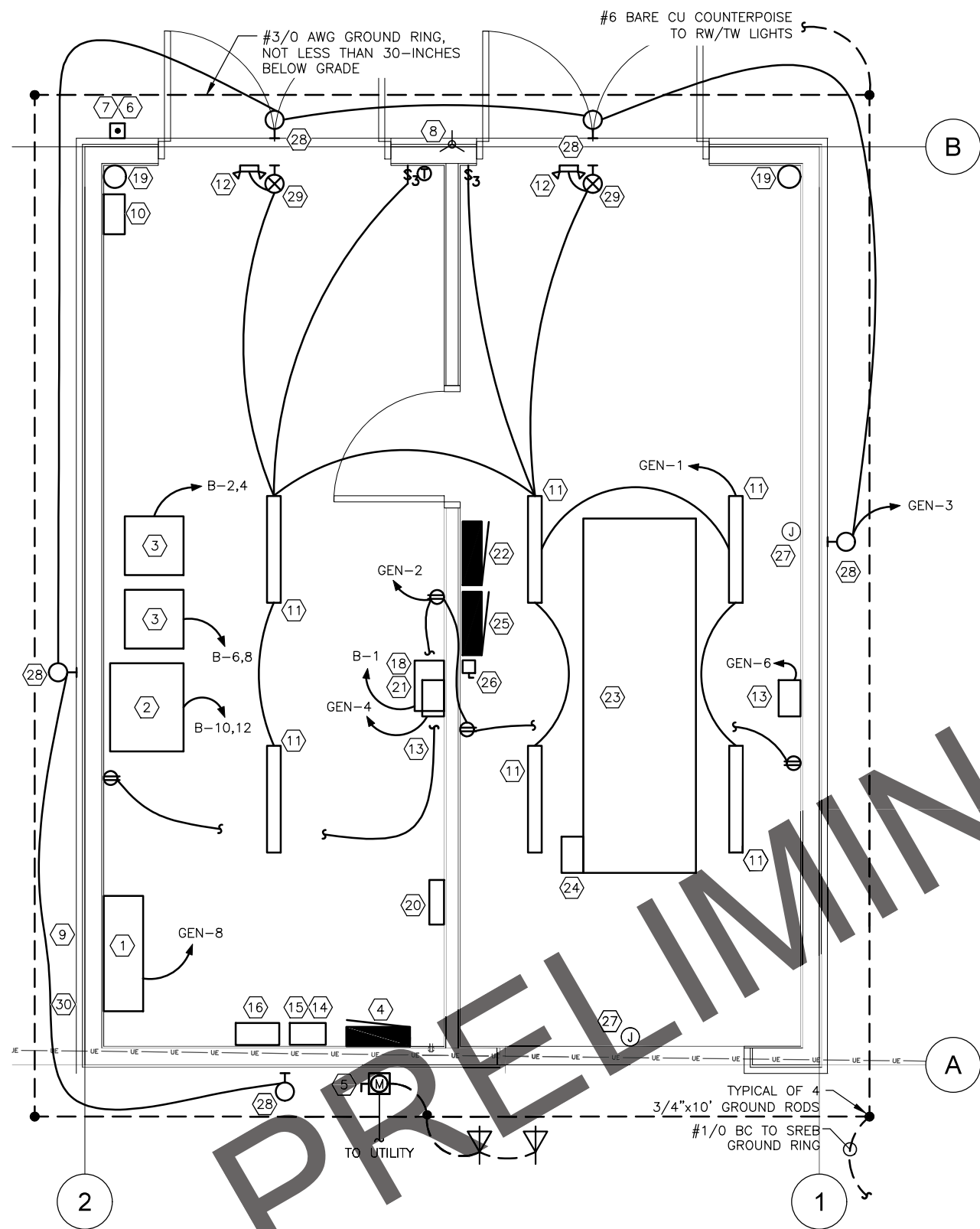
STATE OF ALASKA  
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STATEWIDE PUBLIC FACILITIES

VALDEZ AIRPORT  
VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
& DEICING MATERIAL STORAGE BUILDING  
PROJECT No. Z618600000  
AIP No. 3-02-0311-XXX-2024  
GEEB SCHEDULES

DATE:  
3/6/2024  
SHEET:  
E31 OF E34  
OF

3/5/2024  
 Date Revised: 3/5/2024  
 Layout Name: Z:\22034\VB - Valdez SREB and SSSI\Working Drawings\SR\EB\22034\VB\_E32.E34 - EEB PLAN.dwg  
 File Path & Name: Z:\22034\VB - Valdez SREB and SSSI\Working Drawings\SR\EB\22034\VB\_E32.E34 - EEB PLAN.dwg  
 Designed By: EVC  
 Drawn By: EVC  
 Checked By: EVC

MBA PROJECT NUMBER: 22034\VB



**1** GENERATOR ELECTRICAL EQUIPMENT BUILDING (GEEB) PLAN  
 E32 1/2" = 1'-0"

**EQUIPMENT LIST**

- 1 LIGHTING CONTROL PANEL, PER L-109-3.16 AND SHEET E12.
- 2 CONSTANT CURRENT REGULATOR (CCR), TYPE L-829, CLASS 1, STYLE 1, 20 KW, 240V, 1 PHASE, 60HZ. PROVIDE WITH LOCAL MONITORING PER SPECIFICATIONS.
- 3 CONSTANT CURRENT REGULATOR (CCR), TYPE L-829, CLASS 1, STYLE 1, 7.5 KW, 240V, 1 PHASE, 60HZ. PROVIDE WITH LOCAL MONITORING PER SPECIFICATIONS.
- 4 CIRCUIT BREAKER PANELBOARD, PANEL B, PER L-109-3.28.
- 5 SERVICE DISCONNECT, PER L-109-3.31, SERVICE ENTRANCE RATED.
- 6 PUSH BUTTON STATION: SURFACE MOUNTED, TEN AMPERES CONTINUOUS, ONE UNIT STATION, MOMENTARY CONTACT, NEMA TYPE 4X.
- 7 SIGN TO READ: PUSH TO TURN RUNWAY LIGHTS ON, AUTO OFF IN 15 MIN.
- 8 RADIO CONTROL ANTENNA, PER L-109-3.25.
- 9 PHOTOELECTRIC CONTROL, PER L-109-3.27.
- 10 SERIES CUTOUT, PER L-109-3.32, IN 14"x12"x8" NEMA 1 LOCKABLE ENCLOSURE WITH HINGED COVER.
- 11 4FT LED WRAPAROUND FIXTURE, PER L-109-3.8, 120V, SINGLE PHASE, PROJECTED LIFE AT 70% LUMEN MAINTENANCE: 200,000 HOURS WITH TM21 RATING UP TO L91 > 60,000 HOURS.
- 12 EMERGENCY LIGHT WITH SEALED NICKEL CADMIUM BATTERIES, PER L-109-3.8, 120V, SINGLE PHASE, 90 MIN. RATING, LOW VOLTAGE DISCONNECT, OVERLOAD / SHORT CIRCUIT PROTECTION, UL924 LISTED.
- 13 WALL MOUNTED FAN-FORCED ELECTRIC HEATER AND THERMOSTAT, PER L-109-3.35.
- 14 METAL WALL DESK, 34.5x30x32.5 IN DESK WITH LOCKING DRAWER, MOUNT DESK TOP AT 43 IN AFF, (ELBOW HEIGHT WHEN STANDING) OR AS APPROVED.
- 15 METAL CHAIR (ADJUSTABLE LEGS) WITH BACK SUPPORT TO MATCH DESK.
- 16 METAL WALL CABINET (LOCKABLE) WITH TWO SHELVES, 30x30x12 IN.
- 17 BEACON / WIND CONE CONTACTOR, 30A MAGNETIC CONTACTS, NEMA 1 ENCLOSURE. EASY DISASSEMBLY FOR MAINTENANCE AND INSPECTION OF CONTACTS. VERTICAL CONTACT SURFACES ENCLOSED TO PREVENT ACCUMULATION OF DUST AND DIRT. MAGNET FACES SPECIALLY TREATED TO RESIST RUST. FACTORY INSTALLED CONTACTOR INCLUDED WITH L-821 CONTROL PANEL MAY BE USED.
- 18 PRECISION VOLTAGE REGULATOR, 120V, SINGLE PHASE, 15 A, 1400 VA, 60 HZ, ±20% INPUT RANGE, ±3% OUTPUT, 1/2 LINE CYCLE RESPONSE TIME, 20 KHZ PULSE WIDTH MODULATION TECHNOLOGY, AUTOMATIC BYPASS TYPE. PROVIDE FOR CORD CONNECTION OF RADIO CONTROLLER.
- 19 FIRE EXTINGUISHER, FIVE POUND, CLASS A,B,C. MOUNT IN CABINET, ON WALL NEAR DOOR.
- 20 100A MANUAL TRANSFER SWITCH, PER L-109-3.29.
- 21 L-854 RADIO CONTROLLER WITH INTEGRATED HEATER, PER L-109-3.24, FREQUENCY: 122.9 MHZ.
- 22 'PANEL GEN'. 208/120-VOLT, FOR GENERATOR CIRCUITS.
- 23 125 KW EMERGENCY BACKUP GENERATOR. 208Y/120V, 3-PHASE, 4-WIRE.
- 24 50 KW GENERATOR LOAD BANK.
- 25 STANDBY DISTRIBUTION PANEL (SDP). 208Y/120V, 400A, 3-PHASE, 4-WIRE PANELBOARD.
- 26 SDP DISCONNECT. 208Y/120V, 400A, 3-PHASE, 4-WIRE, SAFETY SWITCH. FUSED AT 400A.
- 27 GENERATOR ENCLOSURE LOUVER.
- 28 EXTERIOR LIGHT, FIXTURE W/70 FROM SREB LIGHTING FIXTURE SCHEDULE ON SHEET E11.
- 29 EMERGENCY EXIT LIGHT, FIXTURE EX FROM SREB LIGHTING FIXTURE SCHEDULE ON SHEET E11.
- 30 PROVIDE FUEL PUMP DISCONNECT AND SIGNS PER DETAILS ON SHEET E31.

**ENCLOSURE NOTES:**

1. ALL FIXTURES AND DEVICES SHALL BE SURFACE MOUNTED. ALL 120/240V WIRING SHALL BE SURFACE MOUNTED AND ITS LOCATION SHALL BE COMPLETELY SHOWN ON CONTRACTOR'S REDLINE DRAWINGS.
2. PROVIDE AND INSTALL A GREEN-COLOR-CODED EQUIPMENT GROUNDING WIRE IN EACH CONDUIT.
3. ALL INSTALLED ELECTRICAL FIXTURES AND DEVICES, INCLUDING JUNCTION BOXES, SHALL BE NRTL LISTED.
4. ALL ELECTRICAL METHODS, TECHNIQUES, AND MATERIAL SHALL CONFORM TO THE CURRENT EDITION OF THE NEC.
5. ALL BUILDING PENETRATIONS SHALL BE THROUGH THE FLOOR UNLESS SPECIFICALLY NOTED OTHERWISE.
6. ALL FOUNDATION HARDWARE SHALL BE HOT DIP GALVANIZED. ALL BOLTED CONNECTIONS THROUGH FOUNDATION BEAMS SHALL BE PROVIDED WITH WASHERS AT BOTH ENDS AND LOCK WASHERS AT NUT END.
7. EYEBOLTS SHALL BE A SHOULDER TYPE WITH 3/4 IN DIAMETER SHANK AND 2 IN THREADED LENGTH. USE PLAIN WASHERS ON BOTH SIDES OF BUILDING SKID AS REQUIRED TO SECURE TO TOW POINT, LOCKWASHER AND HEX NUT.
8. TURNBUCKLES SHALL BE HOOK/HOOK TYPE, 6 IN TAKE UP, 1/2 IN DIAMETER, GALVANIZED.
9. EQUIPMENT MOUNTING HEIGHTS:
  - 9.a. PANELBOARD, LIGHTING CONTROL PANEL, TRANSFER SWITCH: 6'-6" AFF, TOP OF PANEL.
  - 9.b. MAIN DISCONNECT: 6'-6" AFG, TOP OF ENCLOSURE.
  - 9.c. RADIO CONTROLLER: 6'-0" AFF, TOP OF ENCLOSURE.
  - 9.d. SCO: 5'-0" AFF, CENTER OF HANDLE.
  - 9.e. EXTERIOR PUSHBUTTON: 4'-0" AFG

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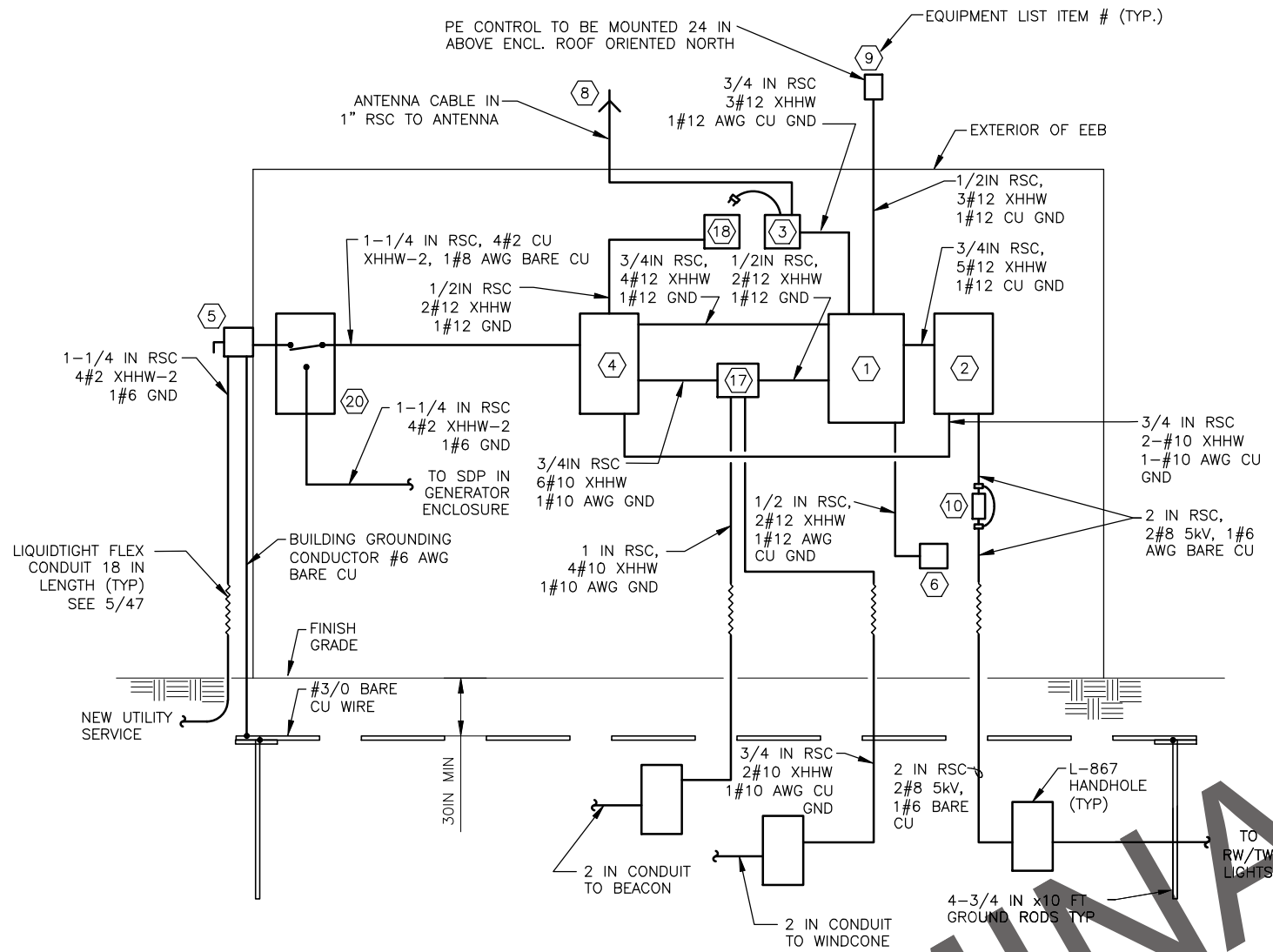
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**DEPARTMENT OF TRANSPORTATION**  
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**STATEWIDE PUBLIC FACILITIES**

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**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 GEEB PLAN

DATE:  
 3/6/2024  
 SHEET:  
 E32 OF E34  
 OF

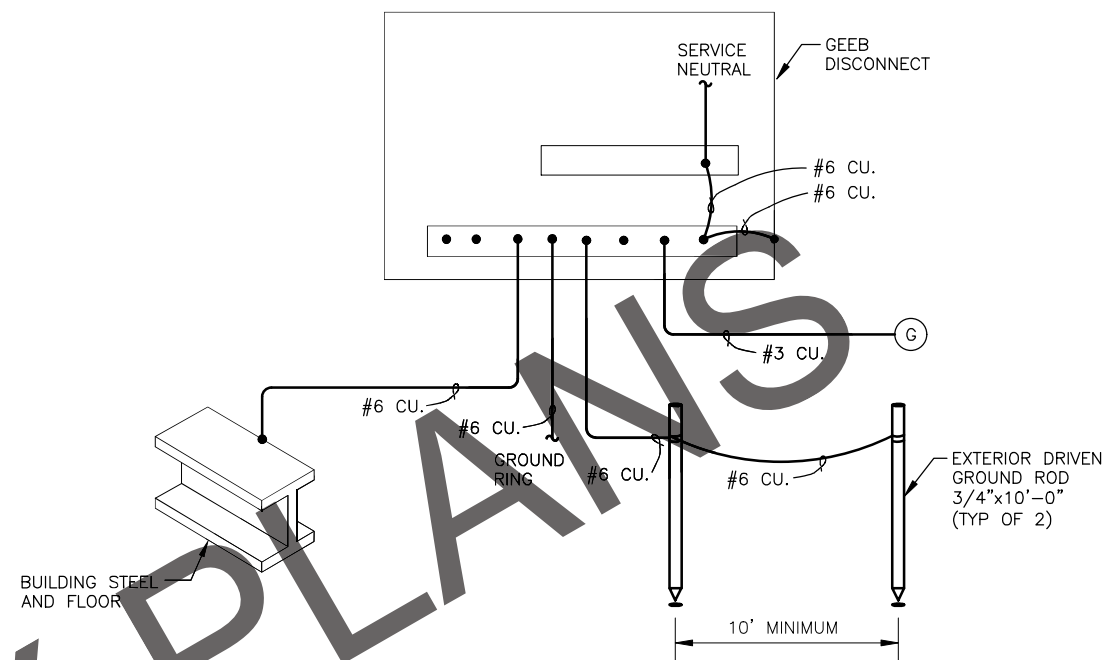
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 Designed By: EVC  
 Drawn By: AFD  
 Checked By: EVC

MBA PROJECT NUMBER: 22034\SB



**1** GEEB ONE-LINE DIAGRAM  
 E33 NTS

NOTE: SEE SHEET E31 FOR EQUIPMENT LIST.



**2** GEEB GROUNDING DIAGRAM  
 E33 NTS

PRELIMINARY PLANS

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BY	DATE	REVISION

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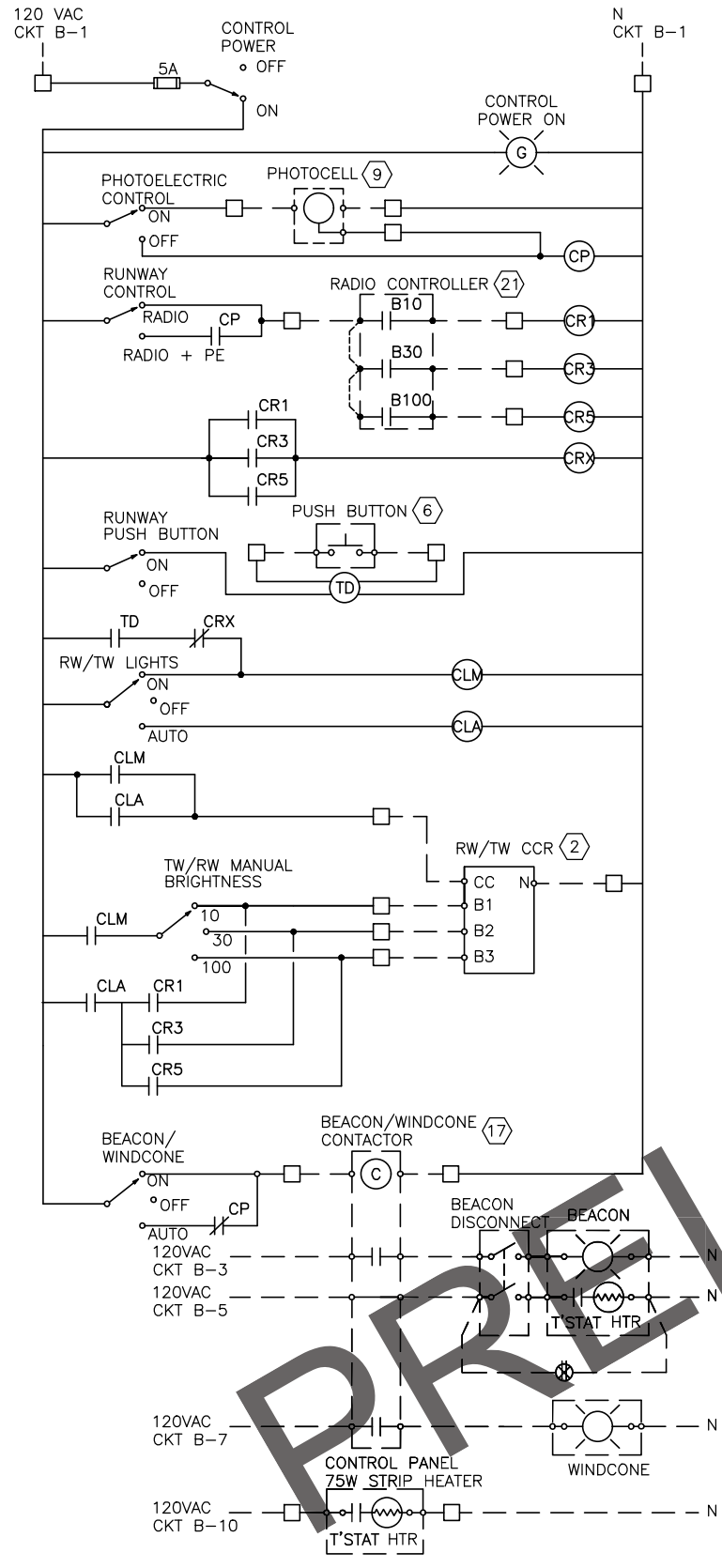
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 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 GEEB DIAGRAMS

DATE: 3/6/2024  
 SHEET: E33 OF E34  
 OF

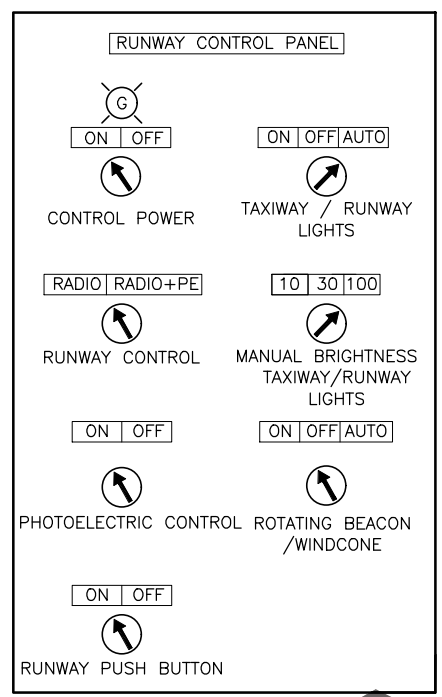
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 CERT. OF AUTH.: AEC0578

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MBA PROJECT NUMBER: 22034\VB



**1 AIRFIELD LIGHTING CONTROL LADDER DIAGRAM**  
E34 NTS



**2 LIGHTING CONTROL PANEL ELEVATION**  
E34 NTS

**CONTROL DIAGRAM LEGEND**

- TERMINAL BLOCK - 20A, 12 POINT, NO. AS REQUIRED
- FIELD WIRING
- ⓧ RELAY COIL - 3PDT RELAY, PLUG-IN TYPE WITH BASE
- Ⓣ RELAY COIL - TIME DELAY RELAY, OFF DELAY, DPDT, SET AT 15 MINUTES
- || x NORMALLY OPEN CONTACT, "x" = COIL
- || x NORMALLY CLOSED CONTACT, "x" = COIL
- SELECTOR SWITCH, PANEL MOUNT, NUMBER OF POSITIONS AS INDICATED
- XA FUSE HOLDER WITH SLO-BLO FUSE, "x" = FUSE RATED AMPS
- ⓐ PILOT LIGHT, PANEL MOUNT, LED, 120V, GREEN COLOR, 30mm
- ⓧ AIRFIELD LIGHTING EQUIPMENT "x", SEE SHEET E11
- Ⓣ PUSH BUTTON STATION, OFF-ON MOMENTARY CONTACT, WATER-DUST TIGHT, NEMA 4X
- Ⓢ WEATHERPROOF GFCI RECEPTACLE
- GE CR151B2 OR APPROVED EQUAL
- IDEC RR5PAU-AC120V OR APPROVED EQUAL
- MAGNACRAFT TDRSRXP-120V OR APPROVED EQUAL
- TWO POSITION: C-H 10250T20LB  
THREE POSITION: C-H 10250T21LB OR APPROVED EQUAL
- C-H 10250T197LGP2A OR APPROVED EQUAL
- GE CR2943AJ301B OR APPROVED EQUAL

**CONTROL SEQUENCE DESCRIPTION**

**RUNWAY AND TAXIWAY LIGHTS**

ON-LIGHTS ON AT PRESET BRIGHTNESS.

OFF-LIGHTS OFF.

AUTO-EXTERIOR PUSH BUTTON SWITCH WILL TURN ON RUNWAY AND TAXIWAY LIGHTS FOR 15 MINUTES (ADJUSTABLE) AT PRESET BRIGHTNESS.

RADIO CONTROL ENABLED  
 3 CLICKS OF MIC TURNS ON RW/TW LIGHTS AT STEP 1.  
 5 CLICKS OF MIC TURNS ON RW/TW LIGHTS AT STEP 2.  
 7 CLICKS OF MIC TURNS ON RW/TW LIGHTS AT STEP 3.  
 LIGHTS REMAIN ON FOR 15 MINUTES AFTER LAST CLICK.

IF PUSHBUTTON CONTROL AND RADIO CONTROL ARE BOTH ACTIVE RADIO CONTROL HAS PRIORITY.

**SUPPLEMENTAL WINDCONE**

WINDCONE LIGHTS ON WHEN RUNWAY AND TAXIWAY LIGHTS ARE ON.

**ROTATING BEACON AND PRIMARY WINDCONE**

ON-BEACON AND WINDCONE ON.

OFF-BEACON AND WINDCONE OFF.

AUTO- PHOTOELECTRIC CONTROL IS ENABLED. BEACON AND WINDCONE ARE ON FROM DUSK TO DAWN.

BEACON OUTLET AND HEATER ARE ON WITH SWITCH IN ANY POSITION.

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 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 AIRFIELD LIGHTING CONTROL DIAGRAM

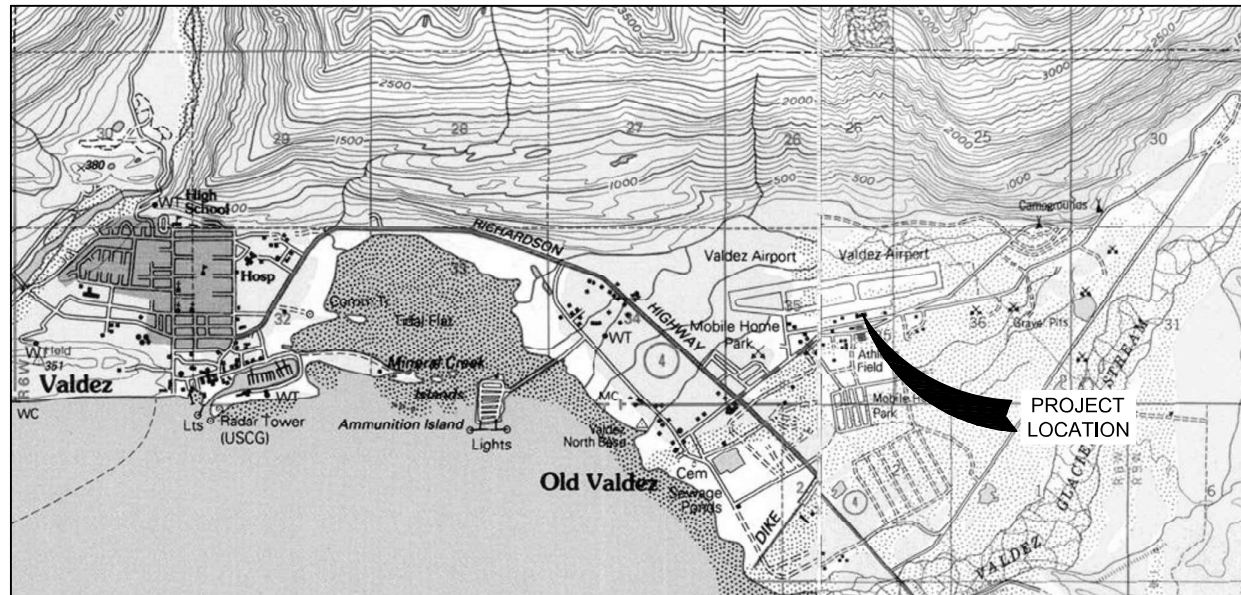
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**95% FACILITY DESIGN**



3/4/2024  
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 Designed By: PLB  
 Drawn By: SPH  
 Checked By: PLB

NORTECH PROJECT NUMBER: 22-1004



VICINITY MAP



SITE MAP

**HAZARDOUS MATERIAL NOTES**

- DRAWING HAZARDOUS MATERIAL NOTES, & LEGEND APPLY TO ALL HAZARDOUS MATERIAL SHEETS.
- A LIMITED HAZARDOUS MATERIALS ASSESSMENT FOR THE PROPOSED CONSTRUCTION HAS BEEN COMPLETED AS PART OF THESE PROJECT DOCUMENTS. POTENTIALLY HAZARDOUS MATERIALS HAVE BEEN IDENTIFIED ON THESE DRAWINGS. ALL SAMPLE LOCATIONS AND RESULTS COLLECTED AS PART OF THIS ASSESSMENT ARE IDENTIFIED ON THESE DRAWINGS. THE HAZARDOUS MATERIAL DRAWINGS AND SPECIFICATIONS REPRESENT THE ENTIRETY OF THE HAZARDOUS MATERIALS ASSESSMENT. A STANDALONE HAZARDOUS MATERIALS ASSESSMENT REPORT IS NOT AVAILABLE.
- HAZARDOUS MATERIALS NOT IDENTIFIED IN THESE DRAWINGS MAY BE ENCOUNTERED IN HIDDEN SPACES AND OTHER AREAS OF THE STRUCTURE. CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF IDENTIFIED HIDDEN HAZARDS NOT IDENTIFIED IN PROJECT DOCUMENTS.
- SAMPLE RESULTS DO NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO PERFORM THEIR OWN ASSESSMENT PRIOR TO DEMOLITION TO VERIFY AND QUANTIFY THE PRESENCE OF HAZARDOUS MATERIALS. CONTRACTOR SHALL COMPLETE DESTRUCTIVE TESTING OF SUSPECT MATERIALS IN HIDDEN SPACES PRIOR TO DEMOLITION.
- ASBESTOS WAS IDENTIFIED IN BLACK TAR SEALANT USED AROUND SCREWS AND PENETRATIONS ON ROOF OF SREB BUILDING. A BLACK TAR LAYER CONTAINING ASBESTOS WAS ALSO IDENTIFIED BENEATH THE MEMBRANE ON THE UREA BUILDING.
- CONTRACTOR SHALL PROTECT EXISTING BUILDINGS, FEATURES, AND PROPERTY TO REMAIN. RESTORE TO ORIGINAL CONDITION ALL ITEMS DAMAGED OR OTHERWISE MADE DEFECTIVE IN APPEARANCE OR FUNCTION BY THE EXECUTION OF WORK REQUIRED BY THIS PROJECT.
- PERFORM HAZARDOUS MATERIAL ABATEMENT AND REMEDIATION, WHERE REQUIRED, WITHOUT DAMAGE OR CONTAMINATION TO ADJACENT AREAS. WHERE AN ADJACENT AREA IS DAMAGED OR CONTAMINATED, IT SHALL BE RESTORED TO ITS ORIGINAL CONDITION.
- REMOVE AND PROPERLY DISPOSE OF ALL ASBESTOS CONTAINING MATERIALS RESULTING FROM PROJECT SITE DEMOLITION OPERATIONS. ALL REMOVED ITEMS AND MATERIALS SHALL BE MANIFESTED AND DISPOSED OF IN A LEGAL MANNER, COMPLYING WITH ALL LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.
- THE CONTRACTOR SHALL PROVIDE RECEIPTS TO THE ENGINEER INDICATING THE FINAL DISPOSITION OF ALL MATERIALS. RECEIPTS FOR ALL MATERIALS TRANSPORTED OFF SITE TO A PERMITTED FACILITY FOR DISPOSAL, REMEDIATION, OR TESTING WILL BE TRANSMITTED BY THE CONTRACTOR TO THE ENGINEER WITHIN 24 HOURS OF DELIVERY TO THE PERMITTED FACILITY. ALL MATERIALS REQUIRING A CHAIN OF CUSTODY WILL REMAIN IN THE CUSTODY OF THE CONTRACTOR UNTIL FINAL DISPOSITION. THE DEPARTMENT IS OWNER OF ONLY THOSE ITEMS DESIGNATED TO REMAIN AND WILL NOT BE SIGNATORY TO A MANIFEST, CERTIFICATE OF FINAL DISPOSITION OR TRANSFER, OR CHAIN OF CUSTODY FOR ITEMS SCHEDULED FOR DEMOLITION OR REMOVAL.
- PAINTS AND MATERIALS CONTAINING ANY AMOUNT OF LEAD HAVE THE POTENTIAL TO POSE AN OSHA HEALTH HAZARD IF NOT HANDLED PROPERLY.
- THE CONTRACTOR IS REQUIRED TO COMPLETE TCLP TESTING, OR OTHER METHODS AS APPROVED BY THE PERMITTED DISPOSAL FACILITY, ON EACH WASTE STREAM PRIOR TO DISPOSAL IF LEAD CONTAINING METAL BUILDING COMPONENTS ARE NOT RECYCLED AS SCRAP.

ACM QUANTITIES			
ACM CATEGORY	DESCRIPTION	LOCATION	QUANTITY
FRIABLE	NONE IDENTIFIED	-	-
NON-FRIABLE CATEGORY I	BLACK TAR ROOFING MATERIAL	UREA BUILDING	800 ft <sup>2</sup>
	BLACK TAR	SREB	ROOF SCREWS & PENETRATIONS
NON-FRIABLE CATEGORY II	NONE IDENTIFIED	-	-

**ACRONYM KEY**

- ACM - ASBESTOS CONTAINING MATERIAL
- AFFF - AQUEOUS FILM FORMING FOAM (ASSUMED PFAS CONTAINING)
- CAB - CEMENTITIOUS ASBESTOS BOARD
- GWB - GYPSUM WALL BOARD
- LBP - LEAD BASED PAINT
- ND - NONE DETECTED/NONE OBSERVED
- PC - POINT COUNT
- RACM - REGULATED ASBESTOS CONTAINING MATERIAL
- TCLP - TOXICITY CHARACTERISTIC LEACHING PROCEDURE

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BY	DATE	REVISION

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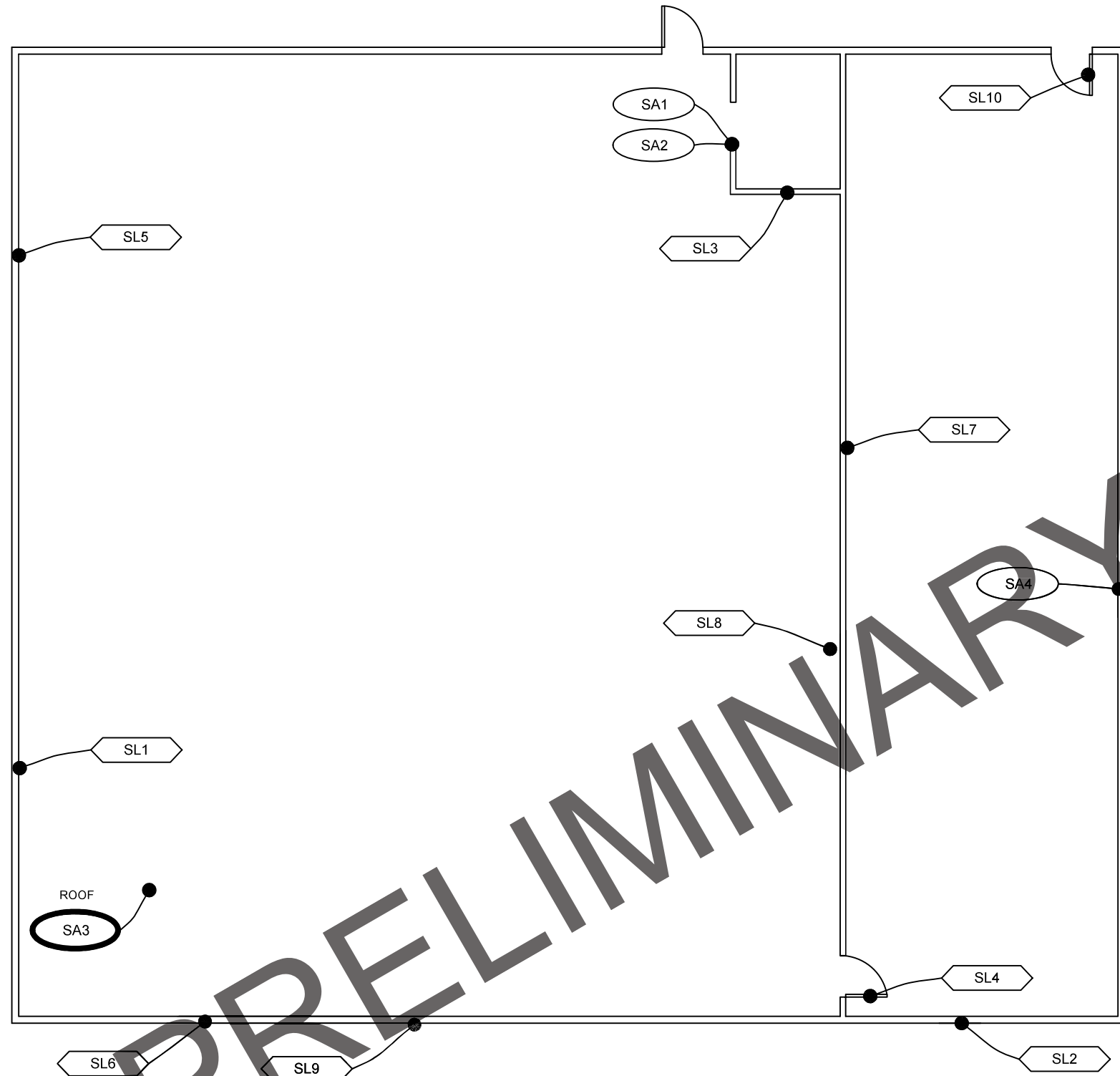
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 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 HAZARDOUS MATERIAL NOTES, ACRONYM KEY

DATE: 03/06/2024  
 SHEET: H1 OF H3  
 OF

PLANS DEVELOPED BY:  
 NORTECH ENGINEERING  
 CORPORATE NO. AECC682

Date Revised: 3/4/2024  
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NORTECH PROJECT NUMBER: 22-1004

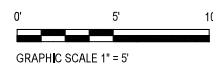


SREB		
Asbestos Sample Results (Method EPA 600/R-93/116)		
Sample ID	Description	Result
SA1	white joint compound	ND
SA2	white joint compound	ND
SA2	brown/white gwb	ND
SA3	black tar	5.3% Chrysotile
SA4	white joint compound	ND
SA4	brown/white gwb	ND

SREB				
Lead Sample Results				
Number	Color	Surface	Substrate	Result (mg/cm <sup>2</sup> )
SL1	red	girt	metal	0.00
SL2	red	girt	metal	0.00
SL3	red	stairs	wood	0.01
SL4	white	door	wood	0.00
SL5	red	column	metal	0.1
SL6	blue	siding	metal	0.00
SL7	yellow	wall	metal	0.09
SL8	red	column	metal	0.04
SL9	white	door	wood	0.03
SL10	white	door	wood	0.00

LEGEND

- (01234) ASBESTOS SAMPLE LOCATIONS NEGATIVE (<1% ASBESTOS)
- (01234) ASBESTOS SAMPLE LOCATIONS POSITIVE (≥1% ASBESTOS)
- (01234) LEAD BASED PAINT SAMPLE (<1mg/cm sq)(HUD)
- (01234) LEAD BASED PAINT SAMPLE (≥1mg/cm sq)(HUD)



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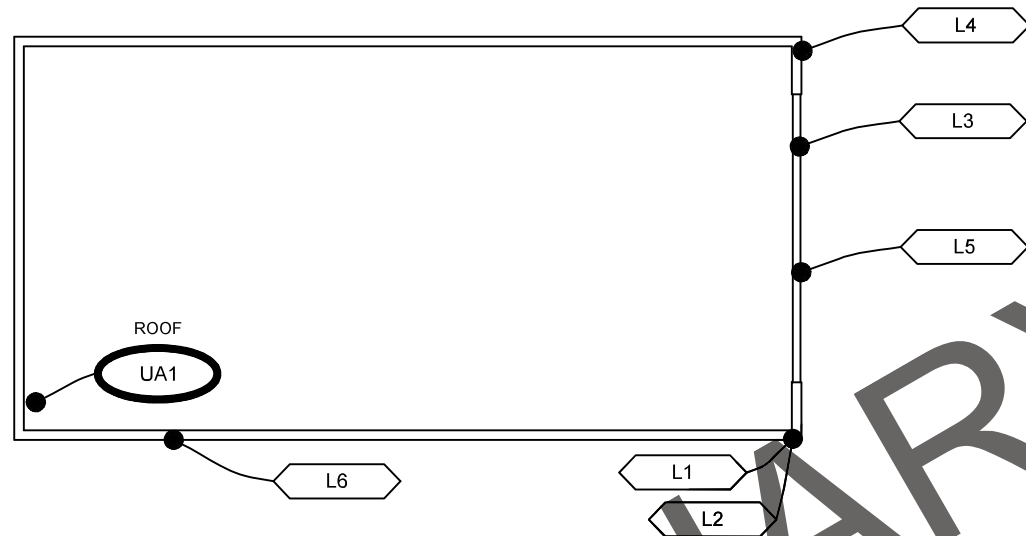
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 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SREB - ASBESTOS & LEAD SAMPLE LOCATIONS & RESULTS

DATE: 03/06/2024  
 SHEET: H2 OF H3  
 OF

Date Revised: 3/4/2024  
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 Designed By: PLB  
 Drawn By: SPH  
 Checked By: PLB

NORTECH PROJECT NUMBER: 22-1004



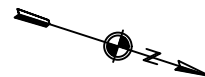
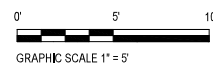
UREA BUILDING		
Asbestos Sample Results (Method EPA 600/R-93/116)		
Sample ID	Description	Result
UA1	black tar	6.3% Chrysotile
UA1	black membrane	ND

UREA BUILDING				
Lead Sample Results				
Number	Color	Surface	Substrate	Result (mg/cm <sup>2</sup> )
L1	blue	siding	metal	0.01
L2	yellow & blue	siding	metal	0.05
L3	gray	roll door	metal	0.14
L4	blue	trim	wood	0.00
L5	gray	roll door	metal	0.09
L6	blue	siding	metal	0.01

PRELIMINARY PLANS

**LEGEND**

- (01234) ASBESTOS SAMPLE LOCATIONS NEGATIVE (<1% ASBESTOS)
- (01234) ASBESTOS SAMPLE LOCATIONS POSITIVE (≥1% ASBESTOS)
- (01234) LEAD BASED PAINT SAMPLE (<1mg/cm sq)(HUD)
- (01234) LEAD BASED PAINT SAMPLE (≥1mg/cm sq)(HUD)



PLANS DEVELOPED BY:  
NORTECH ENGINEERING  
CORPORATE NO. AECC682

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 UREA BUILDING - ASBESTOS & LEAD SAMPLE  
 LOCATIONS & RESULTS

**95% FACILITY DESIGN**

DATE: 03/06/2024  
 SHEET: H3 OF H3  
 OF



VERTICAL CONTROL				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
601	86,477	221,683	78.57	TBM Scribed "X" N. Bolt FH
602	86,373	221,189	73.53	TBM Scribed "X" N. Bolt FH

HORIZONTAL CONTROL				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
551	87,152.8370	221,679.0400	76.31	FCS Found BC "VDZ D" 2018
552 *	86,815.3150	218,552.9420		FCS Found BC "VDZ E" 2018
553 *	87,707.3730	225,408.6950		FCS Found BC "VDZ F" 2018

\* DENOTES NOT SHOWN HEREON

**NOTES**

1. THE FIELD SURVEY WAS PERFORMED BY R&M CONSULTANTS, INC (R&M) SEPTEMBER 21 THRU SEPTEMBER 24, 2022. FIELD SURVEY INFORMATION IS LOCATED IN R&M FIELD BOOK 3020.01.
2. ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.
3. VERIFY HORIZONTAL AND VERTICAL CONTROL PRIOR TO USE.
4. THE BACKGROUND INFORMATION SHOWN HEREON IS FOR ORIENTATIONAL PURPOSES ONLY.
5. WHETHER LISTED OR NOT, ALL MONUMENTS OR PROPERTY MARKERS, CORNERS, OR ACCESSORIES WHICH WILL BE DISTURBED OR BURIED, SHALL BE REFERENCED OR RE-ESTABLISHED IN THEIR ORIGINAL POSITION (A.S. 19.10.260) AND RECORDED (A.S. 34.65.040).



**HORIZONTAL CONTROL STATEMENT**

**COORDINATE SYSTEM:**

THIS PROJECT IS LOCATED ENTIRELY WITHIN THE "VALDEZ 2013 LDP" COORDINATE SYSTEM, A LOCAL VALDEZ AREA LOW DISTORTION PROJECTION (LDP) SURFACE GRID COORDINATE SYSTEM EXPRESSED IN U.S. SURVEY FEET (USFT) UNITS DEVELOPED BY THE ALASKA DEPARTMENT OF TRANSPORTATION.

**BASIS OF COORDINATES:**

THE BASIS OF COORDINATES IS THE NAD83 (2011) POSITION OF NGS PRIMARY AIRPORT CONTROL STATION (PACS) "VDZ D", (PID DR6435).

SAID MONUMENT HAS THE FOLLOWING COORDINATES:

NAD83 (2011):  
 LATITUDE 61°07'57.34159" NORTH  
 LONGITUDE 146°14'45.17263" WEST  
 ELLIPSOID HEIGHT = 128.93 USFT

LOCAL GRID:  
 NORTH 87,152.8370 USFT  
 EAST 221,679.0400 USFT  
 ORTHOMETRIC HEIGHT: 76.31 USFT

**BASIS OF BEARINGS:**

THE BASIS OF BEARINGS ARE LOCAL GRID BEARINGS BASED ON THE LDP.

**VALDEZ 2013 LDP PARAMETERS:**

PROJECTION TYPE: TRANSVERSE MERCATOR  
 LATITUDE OF LOCAL ORIGIN: 60° 54' 00.00000"N  
 LONGITUDE OF LOCAL ORIGIN: 147° 30' 00.00000"W  
 FALSE NORTHING: 0.0000 FT.  
 FALSE EASTING: 0.0000 FT.  
 LINEAR UNIT: SURVEY FEET

ELLIPSOID: GRS 1980  
 GRID SCALE FACTOR: 0.99995 (EXACT)  
 DATUM: NAD83 (2011)

**VERTICAL CONTROL STATEMENT**

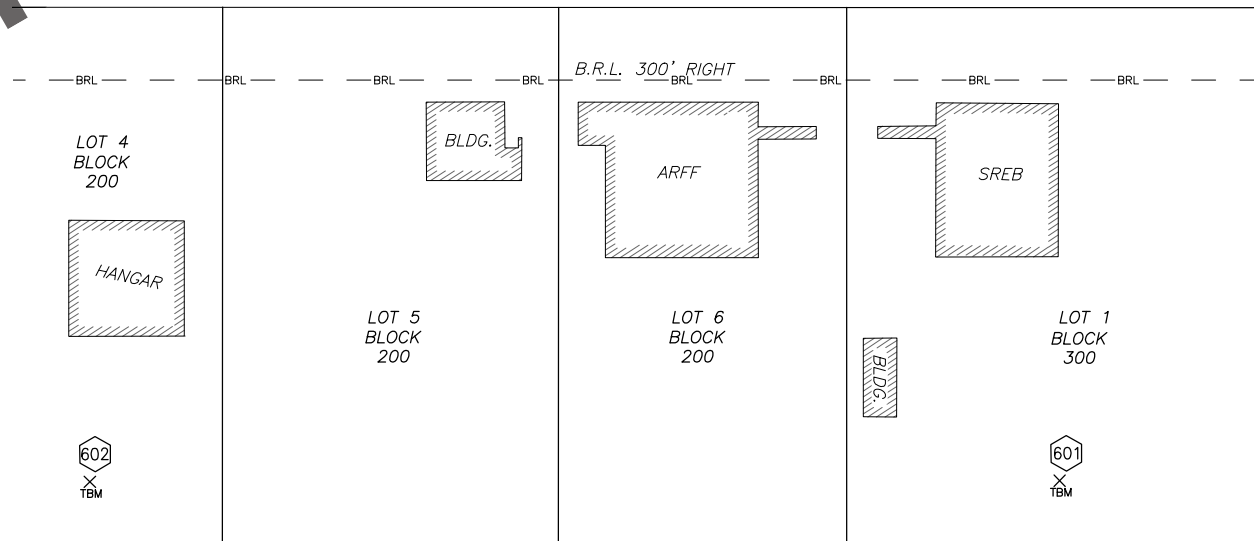
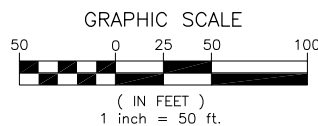
**VERTICAL DATUM:**

THE VERTICAL DATUM IS NAVD 88 BASED ON THE NGS PUBLISHED ORTHOMETRIC HEIGHT OF THE PRIMARY AIRPORT CONTROL STATION (PACS) "VDZ D", (PID DR6435), HAVING AN ELEVATION OF 76.31 FEET.

PROJECT ELEVATIONS WERE ESTABLISHED BY DIFFERENTIAL LEVEL LOOPS, PERFORMED BY R&M CONSULTANTS, INC. USING A LEICA DNA10 DIGITAL LEVEL AND DIGITAL BAR CODE ROD. ALL LOOPS WERE CLOSED AND ADJUSTED, AND MEET OR EXCEED THIRD ORDER ACCURACIES.

**LEGEND**

- GPS CONTROL POINT
- TEMPORARY BENCH MARK
- POINT NUMBER



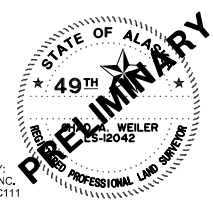
PRELIMINARY PLANS

**SURVEYOR'S CERTIFICATE**

I, CHAD A. WEILER, HEREBY CERTIFY THAT I AM A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF ALASKA, AND THAT THIS DOCUMENT REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT THE MONUMENTS SHOWN HEREON ACTUALLY EXIST AS DESCRIBED, AND THAT ALL DIMENSIONS AND OTHER DETAILS ARE CORRECT TO THE EXTENT SHOWN HEREON.

CHAD A. WEILER, LS-12042

Date



PLANS DEVELOPED BY:  
 R&M CONSULTANTS, INC.  
 CERT. OF AUTH.: AECC11

BY	DATE	REVISION

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION**  
**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

**95% FACILITY DESIGN**

**VALDEZ AIRPORT**  
 VALDEZ SNOW REMOVAL EQUIPMENT BUILDING  
 & DEICING MATERIAL STORAGE BUILDING  
 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SURVEY CONTROL SHEET

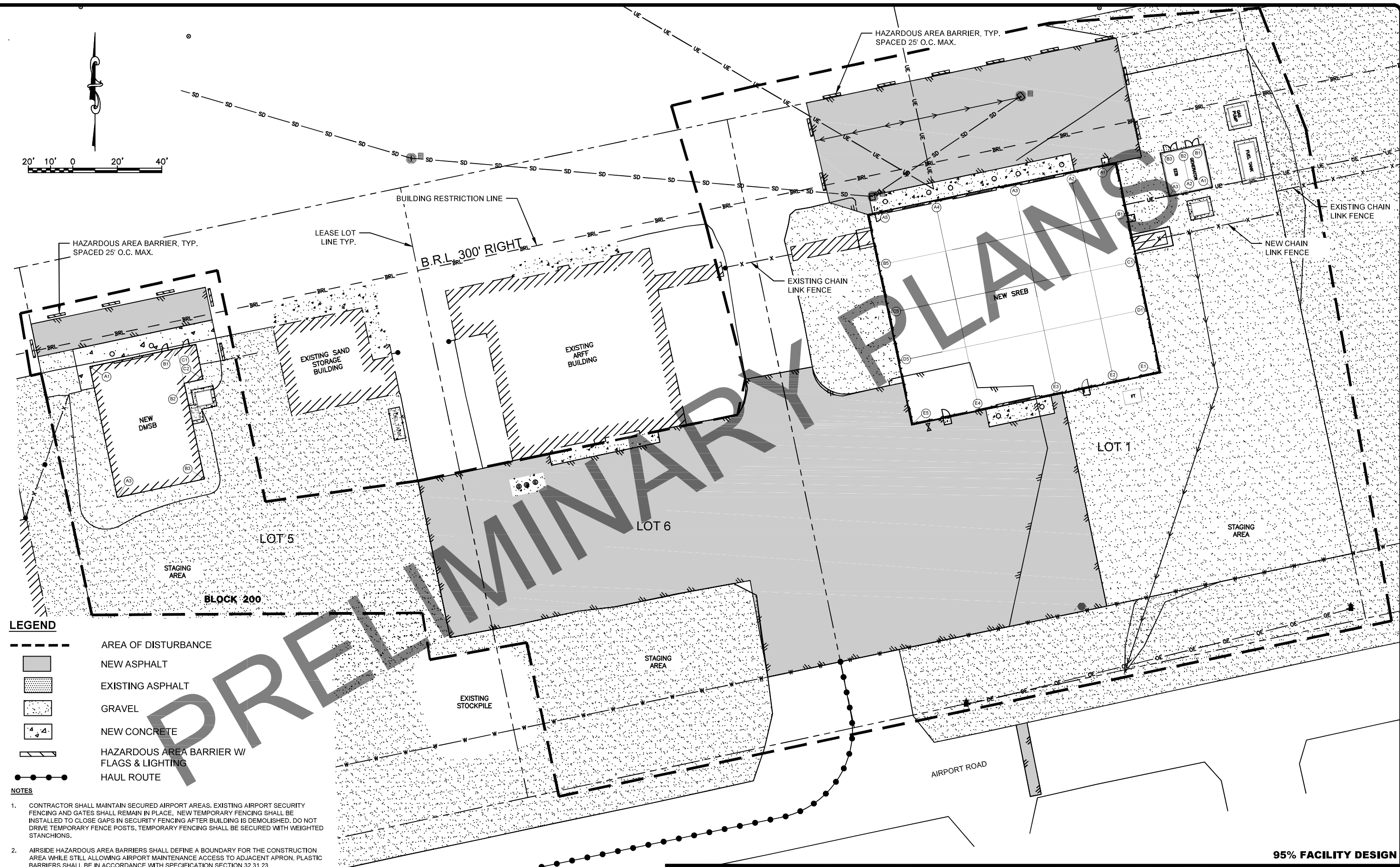
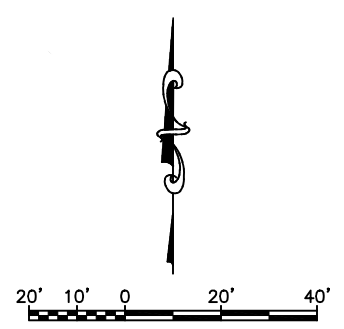
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 3/11/2024  
 SHEET:  
 V1 OF V1

Date Revised: 3/11/2024  
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 Designed By: CW  
 Drawn By: CW  
 Checked By:

Date Revised: 3/1/2024  
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 File Path & Name  
 Designed By: DC  
 Drawn By: JB  
 Checked By: DP

R&M PROJECT NUMBER: 3020.01



- LEGEND**
- AREA OF DISTURBANCE
  - NEW ASPHALT
  - EXISTING ASPHALT
  - GRAVEL
  - NEW CONCRETE
  - HAZARDOUS AREA BARRIER W/ FLAGS & LIGHTING
  - HAUL ROUTE

- NOTES**
1. CONTRACTOR SHALL MAINTAIN SECURED AIRPORT AREAS. EXISTING AIRPORT SECURITY FENCING AND GATES SHALL REMAIN IN PLACE. NEW TEMPORARY FENCING SHALL BE INSTALLED TO CLOSE GAPS IN SECURITY FENCING AFTER BUILDING IS DEMOLISHED. DO NOT DRIVE TEMPORARY FENCE POSTS. TEMPORARY FENCING SHALL BE SECURED WITH WEIGHTED STANCHIONS.
  2. AIRSIDE HAZARDOUS AREA BARRIERS SHALL DEFINE A BOUNDARY FOR THE CONSTRUCTION AREA WHILE STILL ALLOWING AIRPORT MAINTENANCE ACCESS TO ADJACENT APRON. PLASTIC BARRIERS SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 32 31 23.
  3. ANY TEMPORARY FENCING SHALL MATCH HEIGHT OF OTHER EXISTING AIRPORT FENCING, TYPICALLY 8 FOOT HIGH FABRIC. ANY TEMPORARY FENCING SHALL ALSO ACT AS A WILDLIFE BARRIER TO PROHIBIT WILDLIFE FROM GAINING ACCESS TO THE AIRPORT.
  4. CONTRACTOR MAY UTILIZE GRAVEL AREAS ON THE SOUTH SIDE OF THE SREB, ARFF, AND DMSB FOR STAGING. DAMAGE TO THE GRAVEL AREAS SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.

PLANS DEVELOPED BY:  
R&M CONSULTANTS, INC.  
CERT. OF AUTH.: AECC11

BY	DATE	REVISION

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**AND PUBLIC FACILITIES**  
**STATEWIDE PUBLIC FACILITIES**

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 PROJECT No. Z618600000  
 AIP No. 3-02-0311-XXX-2024  
 SAFETY PLAN

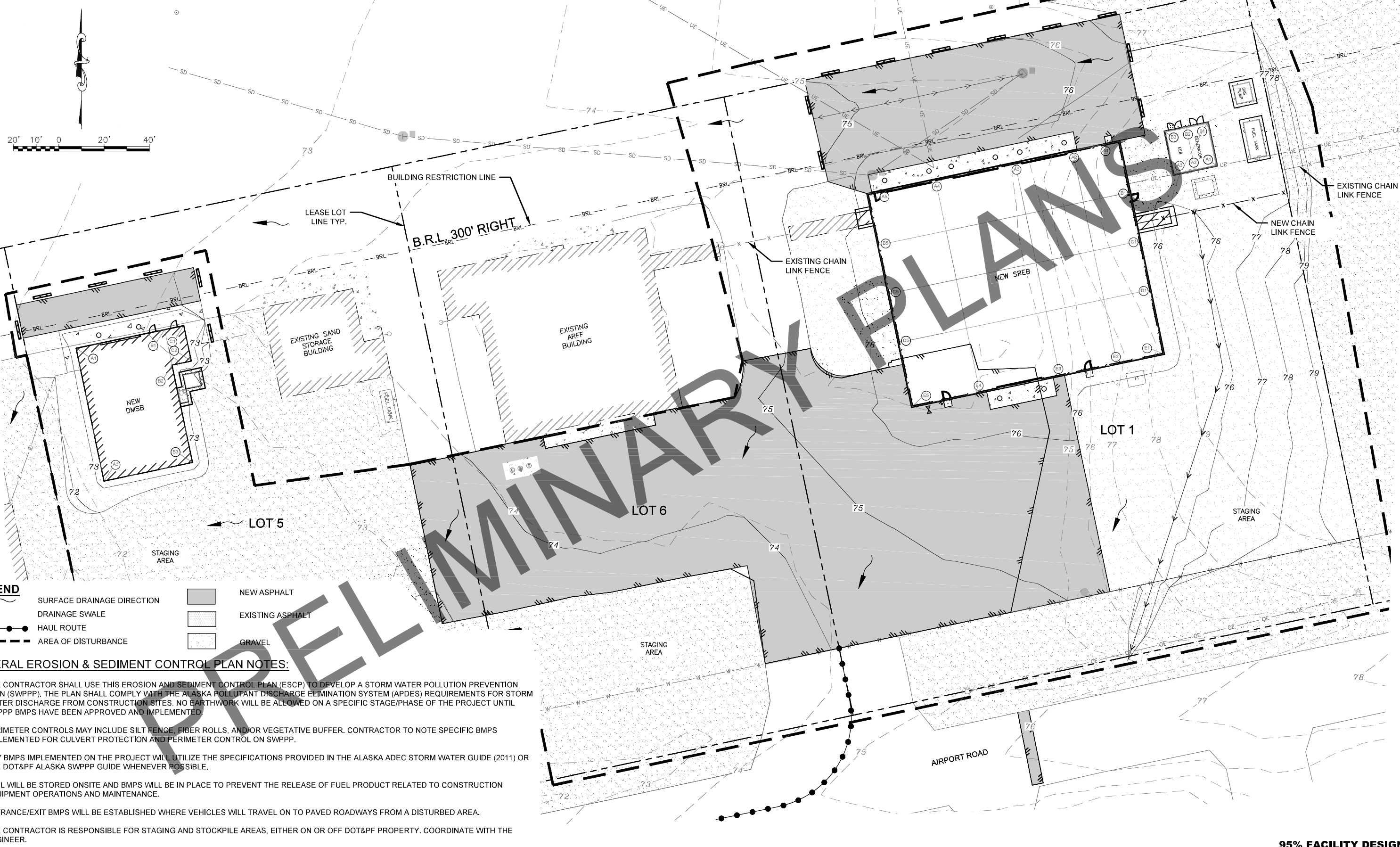
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 SHEET: 1 of 1  
 OF



Date Revised: 3/6/2024  
 Layout Name: Z:\Project\3020.01 DOT SWPF Valdez SREB\CD\3020.01 Safety Plan & ESCP.dwg  
 File Path & Name:

R&M PROJECT NUMBER: 3020.01

Designed By: DC  
 Drawn By: JB  
 Checked By: DP



**LEGEND**

	SURFACE DRAINAGE DIRECTION		NEW ASPHALT
	DRAINAGE SWALE		EXISTING ASPHALT
	HAUL ROUTE		GRAVEL
	AREA OF DISTURBANCE		

**GENERAL EROSION & SEDIMENT CONTROL PLAN NOTES:**

1. THE CONTRACTOR SHALL USE THIS EROSION AND SEDIMENT CONTROL PLAN (ESCP) TO DEVELOP A STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE PLAN SHALL COMPLY WITH THE ALASKA POLLUTANT DISCHARGE ELIMINATION SYSTEM (APDES) REQUIREMENTS FOR STORM WATER DISCHARGE FROM CONSTRUCTION SITES. NO EARTHWORK WILL BE ALLOWED ON A SPECIFIC STAGE/PHASE OF THE PROJECT UNTIL SWPPP BMPs HAVE BEEN APPROVED AND IMPLEMENTED.
2. PERIMETER CONTROLS MAY INCLUDE SILT FENCE, FIBER ROLLS, AND/OR VEGETATIVE BUFFER. CONTRACTOR TO NOTE SPECIFIC BMPs IMPLEMENTED FOR CULVERT PROTECTION AND PERIMETER CONTROL ON SWPPP.
3. ANY BMPs IMPLEMENTED ON THE PROJECT WILL UTILIZE THE SPECIFICATIONS PROVIDED IN THE ALASKA ADEC STORM WATER GUIDE (2011) OR THE DOT&PF ALASKA SWPPP GUIDE WHENEVER POSSIBLE.
4. FUEL WILL BE STORED ONSITE AND BMPs WILL BE IN PLACE TO PREVENT THE RELEASE OF FUEL PRODUCT RELATED TO CONSTRUCTION EQUIPMENT OPERATIONS AND MAINTENANCE.
5. ENTRANCE/EXIT BMPs WILL BE ESTABLISHED WHERE VEHICLES WILL TRAVEL ON TO PAVED ROADWAYS FROM A DISTURBED AREA.
6. THE CONTRACTOR IS RESPONSIBLE FOR STAGING AND STOCKPILE AREAS, EITHER ON OR OFF DOT&PF PROPERTY. COORDINATE WITH THE ENGINEER.
7. THE CONTRACTOR SHALL MINIMIZE THE AREA AND TIME PERIOD THAT ERODIBLE SOILS ARE EXPOSED TO STORM WATER. DISTURBED AREAS SHALL BE STABILIZED AS SOON AS PRACTICABLE AFTER DISTURBANCE AND IN ACCORDANCE WITH ALASKA CONSTRUCTION GENERAL PERMIT (ACGP) REQUIREMENTS.

PLANS DEVELOPED BY:  
 R&M CONSULTANTS, INC.  
 CERT. OF AUTH.: AECC11

BY	DATE	REVISION

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 AIP No. 3-02-0311-XXX-2024  
 EROSION AND SEDIMENT CONTROL PLAN

DATE: 3/6/2024  
 SHEET: 1 of 1  
 X of XX