

1" IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES.

# MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS CONSTRUCTION DOCUMENTS

**FOR:**

**MUNICIPALITY OF SKAGWAY  
SKAGWAY, AK**



RENDERING ONLY, SEE DRAWINGS FOR ACTUAL CONSTRUCTION

**PREPARED BY:**



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PROJECT:  
**MUNICIPALITY OF SKAGWAY PULLEN  
CREEK R/V PARK RESTROOMS**

**SKAGWAY, AK**

SHEET TITLE:  
**PROJECT COVER SHEET**

**CONSTRUCTION DOCUMENTS**

DESIGN: DHM  
DRAWN: DJM  
CHECKED: JMP  
DATE: 04/30/2024

PROJECT No.  
**I1014.23011**  
SHEET NUMBER

**G-001**

No.	Date	Item
REVISIONS		



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N:\Projects\1014.23011-405\_Pullen\CP1001.dwg 1014.23011: PLAN Apr 30, 2024 9:22 AM



**SURVEY CONTROL NOTES:**

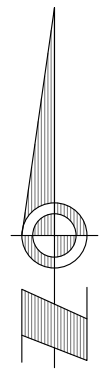
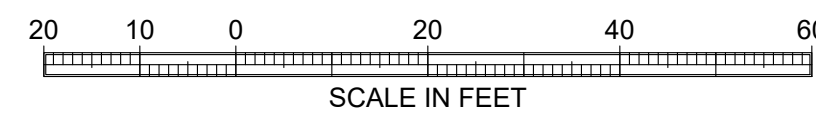
1. THE BASIS OF BEARING FOR THIS SURVEY WAS THE RECOVERED DOT&PF 2" ALUMINUM CAP CENTERLINE MONUMENT #44 AT THE INTERSECTION OF STATE STREET AND FIRST AVENUE, AND THE RECOVERED PK NAIL AT THE INTERSECTION OF STATE STREET AND NINETEENTH AVENUE HAVING A BEARING OF N44°31'32"E.
2. THE BASIS OF VERTICAL CONTROL FOR THIS SURVEY UTILIZED THE SKAGWAY DATUM WHICH, AS OF FALL 2014, IS BASED ON THE ELDRED GRID 2003, GEODE 99. RTK GPS OBSERVATIONS WERE COMPLETED ON DOT&PF TIDAL BENCHMARKS 82, 84 AND 44 AS PROVIDED BY THE STATE OF ALASKA FOR PROJECT S-0999(5) AND VERIFIED WITH THE PROJECT CONTROL INVERSES.
3. VERTICAL CONTROL WAS ESTABLISHED THROUGHOUT THE PROJECT THROUGH CLOSED LOOP DIFFERENTIAL LEVELING.
4. DISTANCES SHOWN ARE HORIZONTAL DISTANCES IN U.S. SURVEY FEET.
5. CONTRACTOR SHALL VERIFY ALL HORIZONTAL AND VERTICAL PROJECT CONTROL PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
6. INVERT ELEVATION REDUCTIONS WERE COMPUTED FROM MEASURED HYPOTENUSE MEASUREMENTS TO THE BOTTOM OF EXISTING STRUCTURES AND INVERTS OF EXISTING PIPES, AND DIGITAL LEVEL ANGULAR MEASUREMENTS.
7. THE ERROR OF CLOSURE OF THIS SURVEY MEETS OR EXCEEDS 1:5000.

**SURVEY CONTROL SYMBOLS**

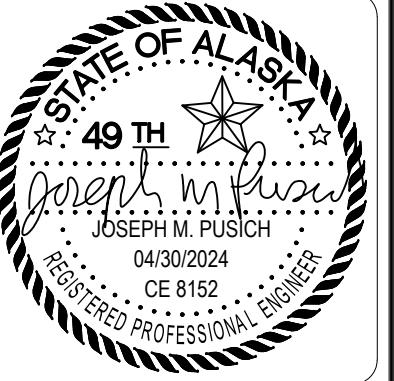
- ⊗ CENTERLINE MONUMENT (RECOVERED)
- ⊕ USGS BENCHMARK (RECOVERED)
- MAG NAIL (RECOVERED)
- ▲ SURVEY SPIKE (RECOVERED)
- ⊕ BRASS CAP MONUMENT (RECOVERED)

**HORIZONTAL & VERTICAL CONTROL POINT TABLE**

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP-104	530937.50	162145.56	29.03	MAG NAIL
CP-108	531025.56	161770.58	29.04	SURVEY SPIKE
CP-110	530489.04	162118.51	27.81	SURVEY SPIKE
CP-200	531066.17	162717.14	28.13	MAG NAIL
CP-202	530998.30	162565.45	29.29	SURVEY SPIKE
CP-203	530794.01	162927.34	31.53	SURVEY SPIKE
CP-205	530634.87	161918.40	29.58	SURVEY SPIKE
CP-502	530741.27	163023.76	35.98	USGS-BENCH MARK-11
CP-505	530140.93	162513.00	25.85	BRASS CAP
CP-703	531009.47	162138.31	29.01	CL MON
CP-1097	531130.77	162257.66	28.17	SURVEY SPIKE



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PROJECT: **MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**

**SKAGWAY, AK**

SHEET TITLE: **SURVEY CONTROL DIAGRAM**

**CONSTRUCTION DOCUMENTS**

DESIGN: JMP  
 DRAWN: JMK  
 CHECKED: JMP

DATE: 04/30/2024  
 PROJECT No. **I1014.23011**  
 SHEET NUMBER

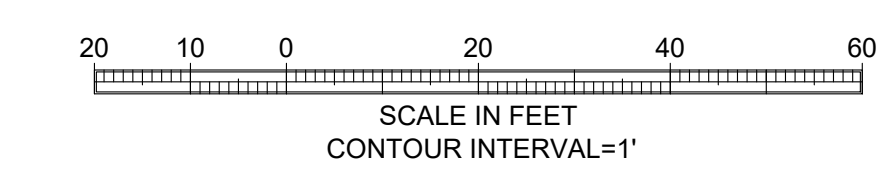
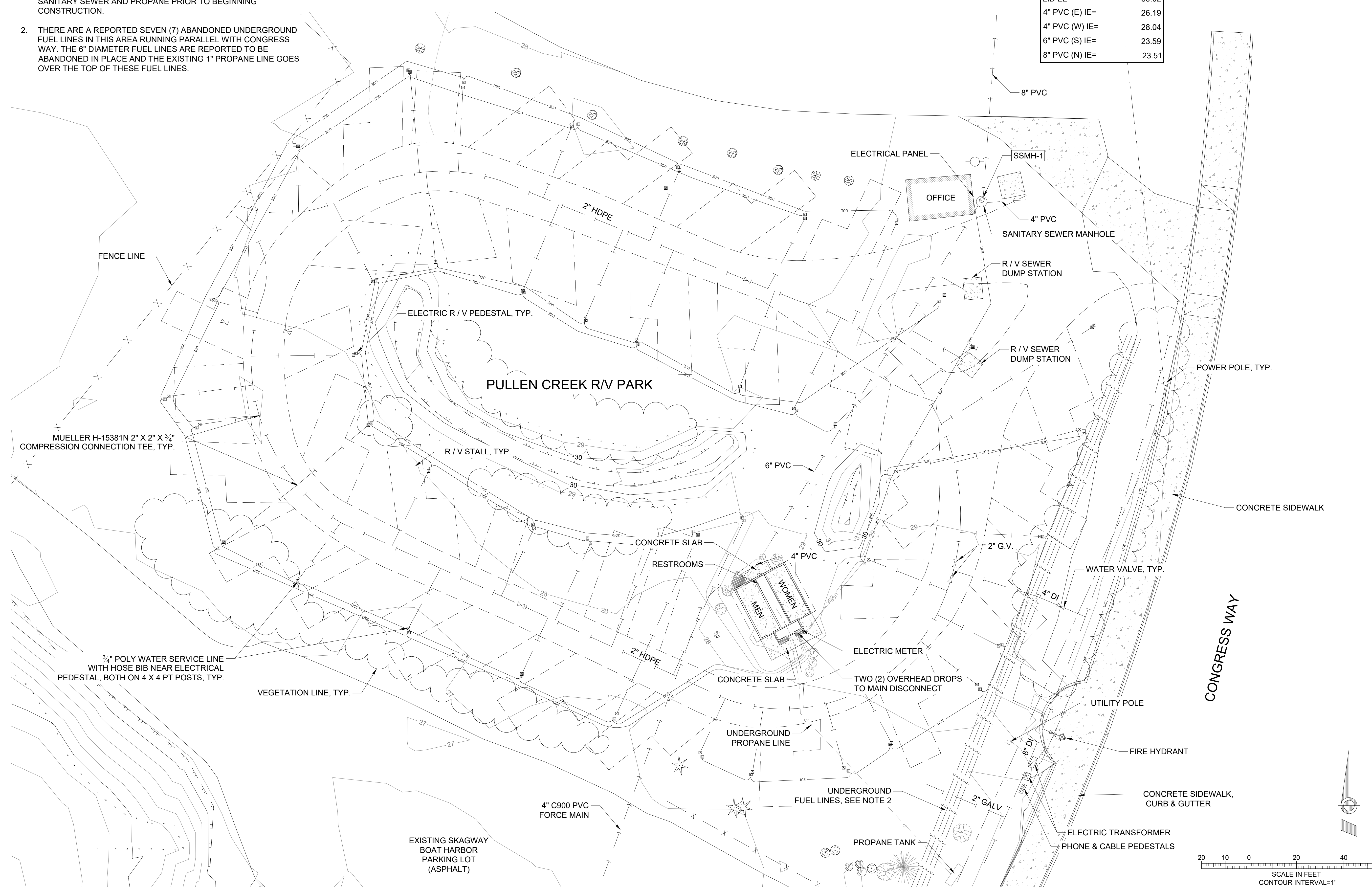
**C-002**

No.	Date	Item

SHEET C-101 NOTES:

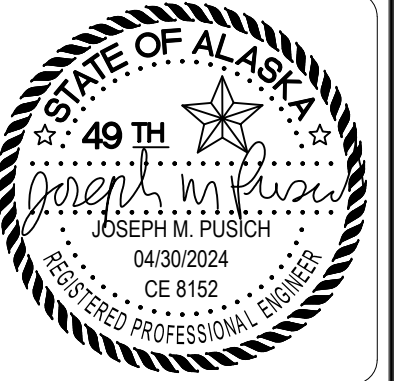
- 1. NO UNDERGROUND UTILITY FIELD LOCATES WERE PERFORMED FOR THIS PROJECT. INFORMATION SHOWN BASED ON MOS PULLEN CREEK R / V PARK WATER SYSTEM UPGRADES 2020. CONTRACTOR TO FIELD LOCATE EXISTING POWER, WATER, SANITARY SEWER AND PROPANE PRIOR TO BEGINNING CONSTRUCTION.
- 2. THERE ARE A REPORTED SEVEN (7) ABANDONED UNDERGROUND FUEL LINES IN THIS AREA RUNNING PARALLEL WITH CONGRESS WAY. THE 6" DIAMETER FUEL LINES ARE REPORTED TO BE ABANDONED IN PLACE AND THE EXISTING 1" PROPANE LINE GOES OVER THE TOP OF THESE FUEL LINES.

EXISTING SSMH-1	
N: 530448.0 E: 162807.0	
LID EL=	30.02
4" PVC (E) IE=	26.19
4" PVC (W) IE=	28.04
6" PVC (S) IE=	23.59
8" PVC (N) IE=	23.51



No.	Date	Item

CONSULTANT:



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PROJECT:  
**MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**

SKAGWAY, AK

SHEET TITLE:  
**EXISTING SITE CONDITIONS**

CONSTRUCTION DOCUMENTS

DESIGN JMP  
 DRAWN JMK  
 CHECKED JMK  
 DATE 04/30/2024

PROJECT No.  
**11014.23011**  
 SHEET NUMBER

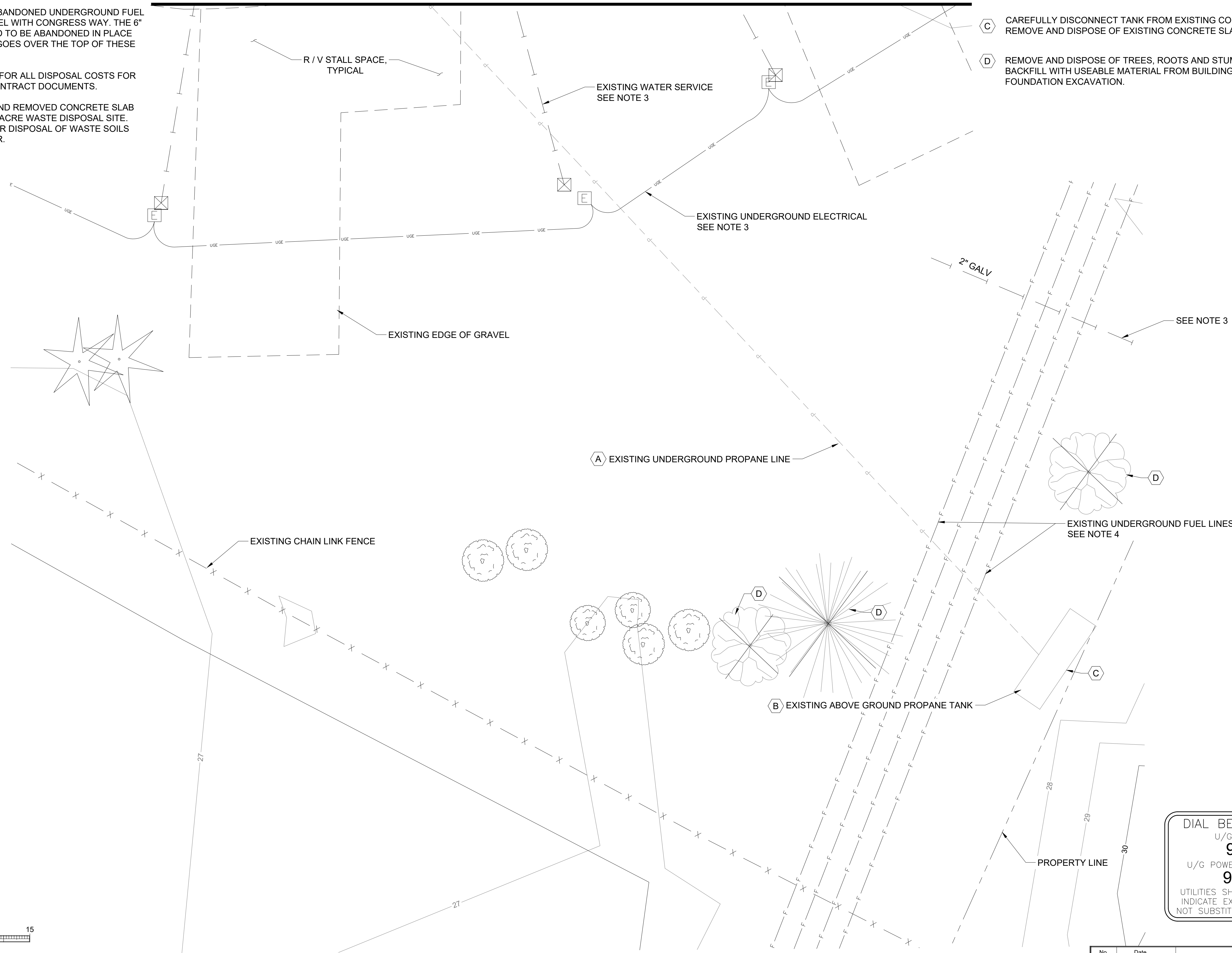
**C-101**



### SHEET C-103 NOTES:

- COORDINATE SITE DEMOLITION WORK WITH MUNICIPALITY OF SKAGWAY PUBLIC WORKS DIRECTOR. PROVIDE 72-HOURS MINIMUM NOTICE OF ANY UTILITY SHUTDOWNS PRIOR TO BEGINNING DEMOLITION.
- COORDINATE DEMOLITION AND REMOVAL OF ITEMS WITH ARCHITECTURAL, ELECTRICAL AND MECHANICAL.
- PROTECT AND MAINTAIN.
- THERE ARE A REPORTED SEVEN (7) ABANDONED UNDERGROUND FUEL LINES IN THIS AREA RUNNING PARALLEL WITH CONGRESS WAY. THE 6" DIAMETER FUEL LINES ARE REPORTED TO BE ABANDONED IN PLACE AND THE EXISTING 1" PROPANE LINE GOES OVER THE TOP OF THESE FUEL PIPES.
- CONTRACTOR WILL BE RESPONSIBLE FOR ALL DISPOSAL COSTS FOR DEMOLITION WORK SHOWN IN THE CONTRACT DOCUMENTS.
- EXISTING CLEAN EXCAVATED SOILS AND REMOVED CONCRETE SLAB CAN BE DISPOSED OF AT THE MOS 15 ACRE WASTE DISPOSAL SITE. THERE WILL BE A CHARGE BY MOS FOR DISPOSAL OF WASTE SOILS AND CONCRETE TO THE CONTRACTOR.

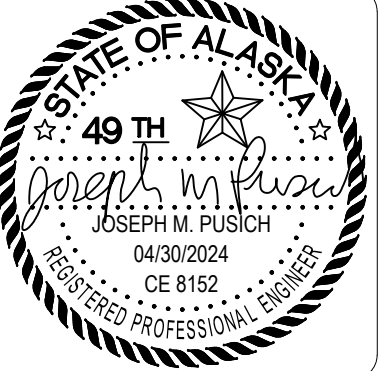
### MATCHLINE, SEE SHEET C-102



### DEMOLITION LEGEND

- (A) EXISTING 1" UNDERGROUND PROPANE LINE TO BE REMOVED AND DISPOSED OF. SEE MECHANICAL. DISCONNECT FROM EXISTING PROPANE TANK.
- (B) CAREFULLY REMOVE AND SALVAGE EXISTING ABOVE GROUND STEEL PROPANE TANK AND RETURN TO MOS PUBLIC WORKS SHOP BUILDING ON 5TH AVENUE IN SKAGWAY, ALASKA.
- (C) CAREFULLY DISCONNECT TANK FROM EXISTING CONCRETE SLAB AND REMOVE AND DISPOSE OF EXISTING CONCRETE SLAB.
- (D) REMOVE AND DISPOSE OF TREES, ROOTS AND STUMPS. BACKFILL WITH USEABLE MATERIAL FROM BUILDING FOUNDATION EXCAVATION.

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PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN  
 CREEK R/V PARK RESTROOMS**

SKAGWAY, AK

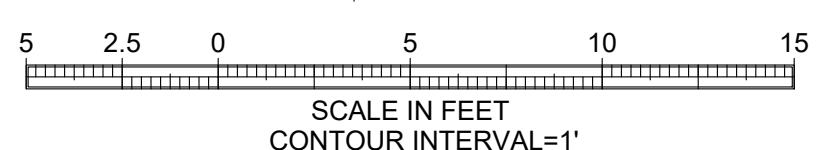
SHEET TITLE :  
**SITE DEMOLITION PLAN**  
 CONSTRUCTION DOCUMENTS

DESIGN	JMP
DRAWN	JMK
CHECKED	JMP
DATE	04/30/2024

PROJECT No.  
**11014.23011**  
 SHEET NUMBER

# C-103

**DIAL BEFORE YOU DIG!**  
 U/G WATER, SEWER  
**983-2449**  
 U/G POWER, TELEPHONE & T.V.  
**983-2202**  
 UTILITIES SHOWN ON THIS DRAWING  
 INDICATE EXISTENCE ONLY AND DO  
 NOT SUBSTITUTE FOR FIELD LOCATES



No.	Date	Item

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EAST SIDE BUILDING ENTRANCE



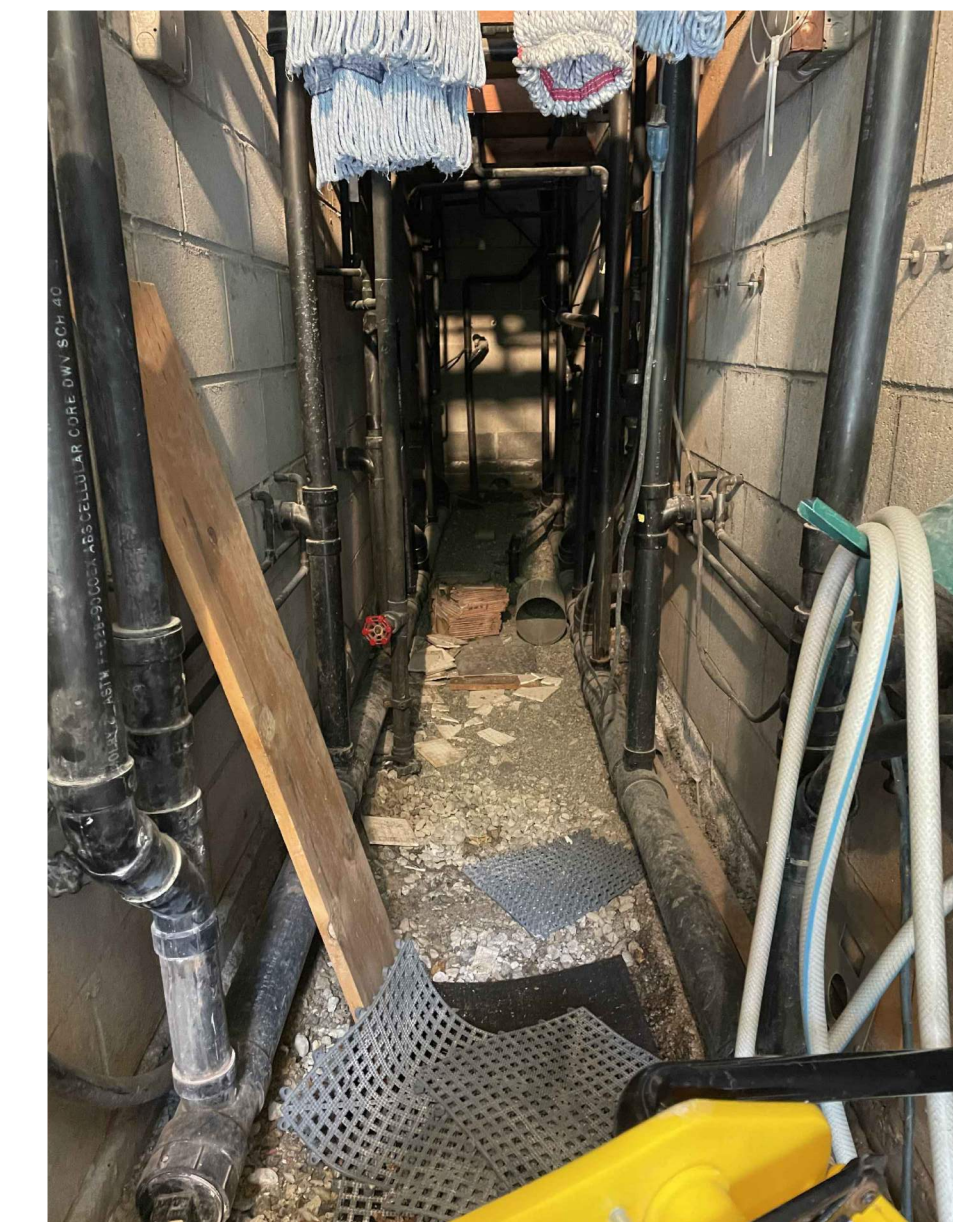
EAST SIDE BUILDING ENTRANCE



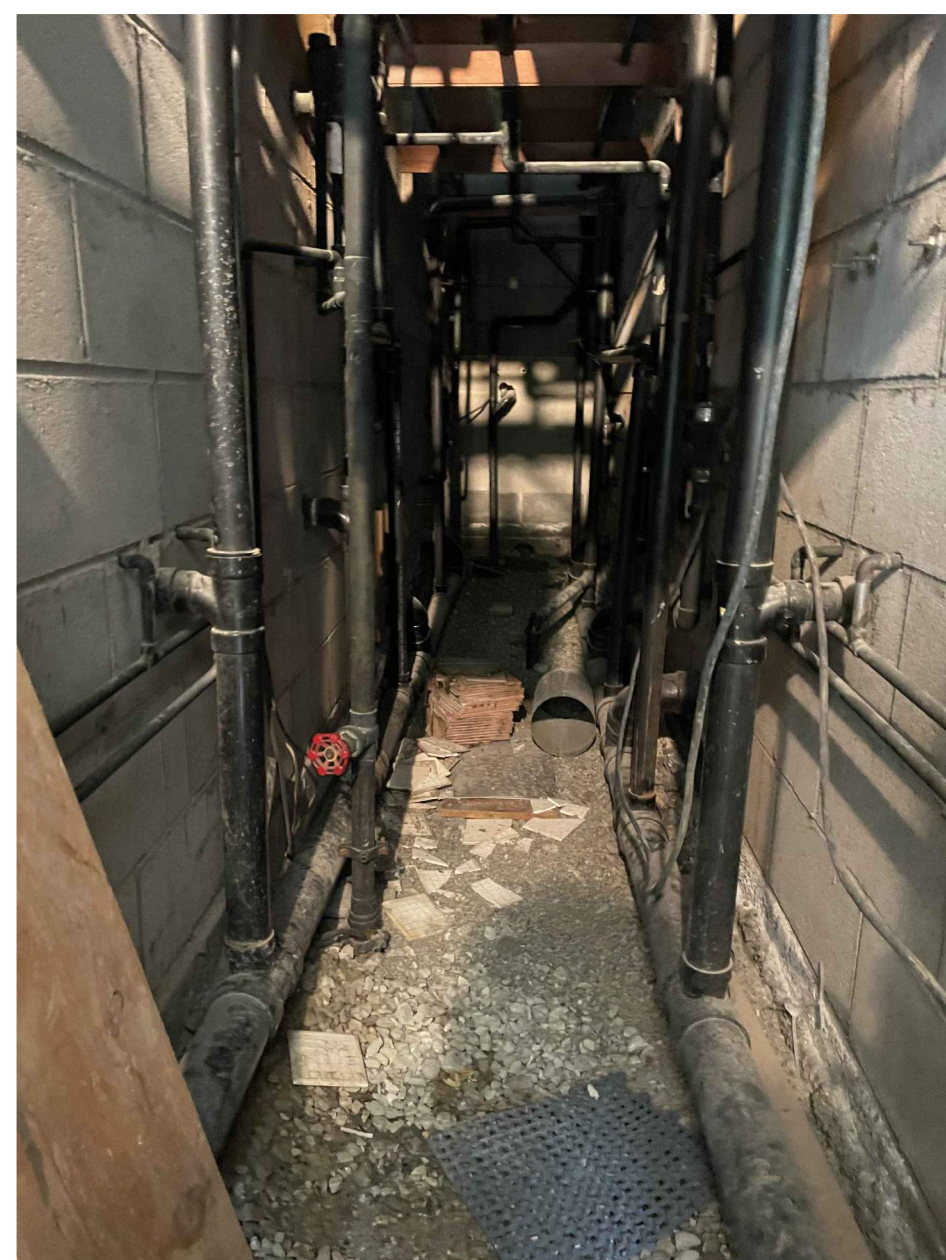
WEST SIDE BUILDING



WEST SIDE BUILDING WITH DRINKING FOUNTAIN



MECHANICAL CHASE



MECHANICAL CHASE



MECHANICAL CHASE WITH WOODEN TRUSSES ABOVE CMU WALL



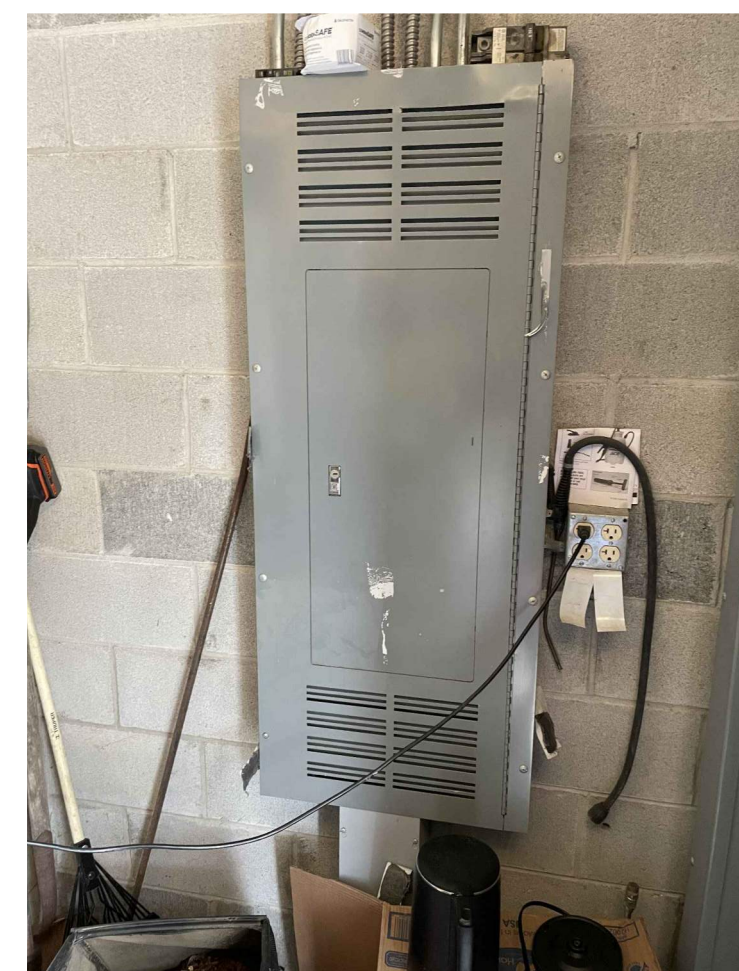
GAS HOT WATER HEATER



SALVAGE GAS HOT WATER HEATER  
SEE NOTE 1



SALVAGE INTERIOR ELECTRICAL PANEL  
SEE NOTE 1



SALVAGE ELECTRICAL PANEL



EXHAUST FAN CONTROLS  
SEE NOTE 1



EXTERIOR ELECTRICAL MAIN DISCONNECT AND METER



EXISTING PROPANE TANK  
SEE NOTE 1



EXISTING ELECTRIC HOT WATER HEATER  
SEE NOTE 1

NOTE:

- CONTRACTOR TO CAREFULLY SALVAGE EXISTING ELECTRICAL PANELS / FUSES, HOT WATER HEATER AND EXISTING ABOVE GROUND PROPANE STORAGE TANK SHOWN AND RETURN ALL OF THESE ITEMS TO MOS PUBLIC WORKS SHOP ON 5TH AVENUE IN SKAGWAY, ALASKA.

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PROJECT:  
 MUNICIPALITY OF SKAGWAY PULLEN  
 CREEK R/V PARK RESTROOMS

SKAGWAY, AK

SHEET TITLE:  
SITE DEMOLITION PHOTOS

CONSTRUCTION DOCUMENTS

DESIGN JMP  
 DRAWN JMK  
 CHECKED JMP  
 DATE 04/30/2024

PROJECT No.  
**11014.23011**  
 SHEET NUMBER

**C-104**

No.	Date	Item

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IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

**SHEET C-201 NOTES:**

1. PROVIDE ALL ADAPTORS, ELBOWS AND OTHER FITTINGS NECESSARY TO CONNECT TO DISSIMILAR PIPE SIZES, MATERIAL TYPES AND DEPTHS.
2. PROTECT AND MAINTAIN.
3. SEE ELECTRICAL FOR R / V PARK ELECTRICAL UNDERGROUND CONDUIT, PANEL AND METER INFORMATION.
4. CONTRACTOR TO SUBMIT A SIDEWALK CONTROL JOINT PLAN FOR ENGINEER REVIEW AND APPROVAL 10 DAYS PRIOR TO PLACING CONCRETE.
5. SEE SHEET C-102 FOR SANITARY SEWER BYPASS INFORMATION.

**GRADE POINT SUMMARY TABLE THIS SHEET**

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	530288.43	162690.56	29.06	CONC
101	530308.32	162727.55	29.06	CONC
102	530269.57	162748.39	29.02	CONC
103	530261.51	162733.42	29.06	CONC
104	530252.71	162738.15	28.46	CONC
105	530248.92	162731.11	28.46	CONC
106	530257.73	162726.37	29.06	CONC
107	530249.67	162711.40	29.02	CONC
108	530250.14	162745.42	28.46/MTE	CONC / MTE
109	530244.09	162728.61	27.83/MTE	CONC / MTE

**ABBREVIATIONS**  
 CONC CORNER OF CONCRETE  
 MTE MATCH TO EXISTING

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 AEOC 63270



PROJECT: MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS

SKAGWAY, AK

SHEET TITLE: SITE UTILITY, GRADING PLAN & GRADE POINT SUMMARY TABLE

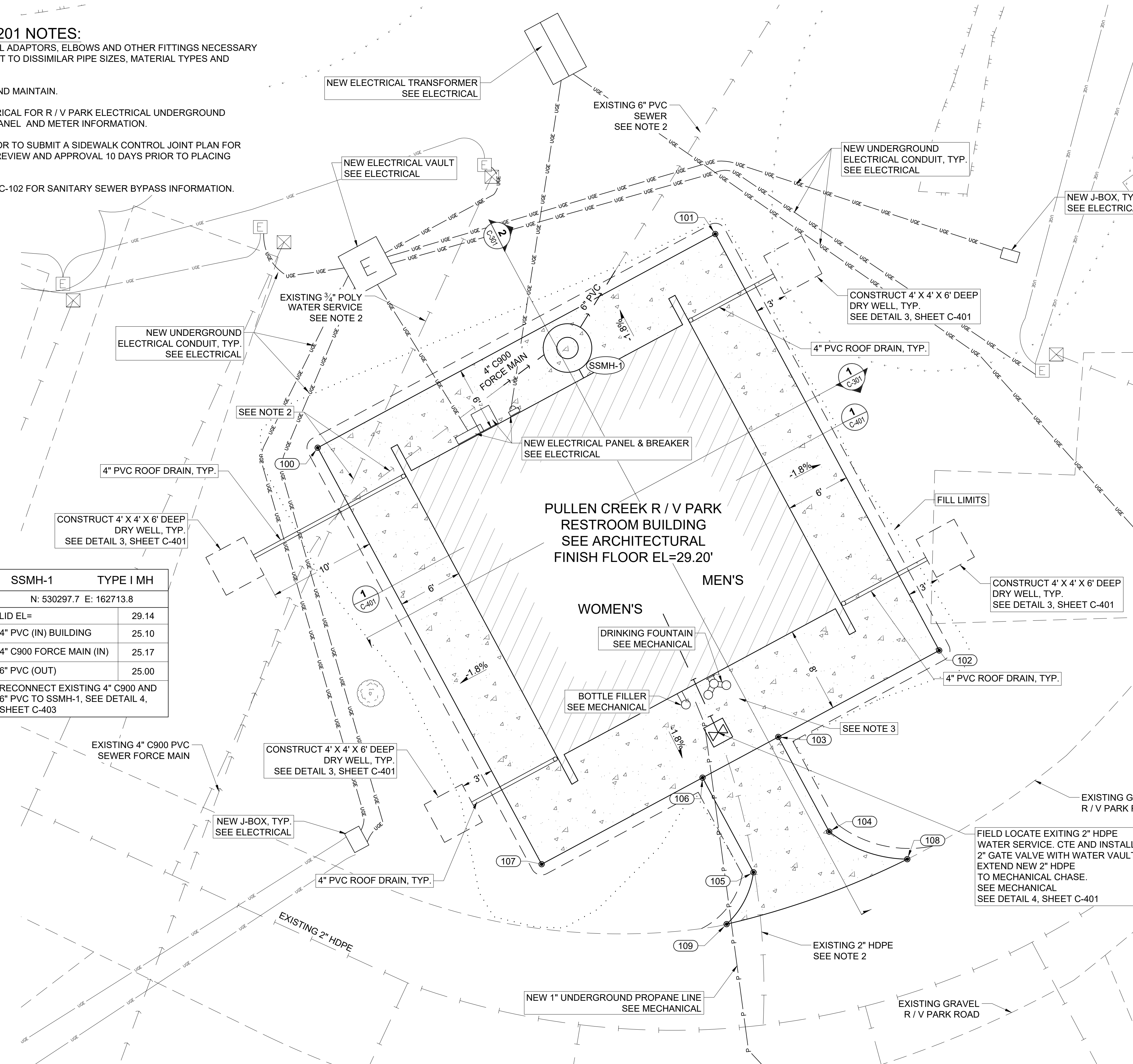
CONSTRUCTION DOCUMENTS

DESIGN JMP  
 DRAWN JMK  
 CHECKED JMK  
 DATE 04/30/2024

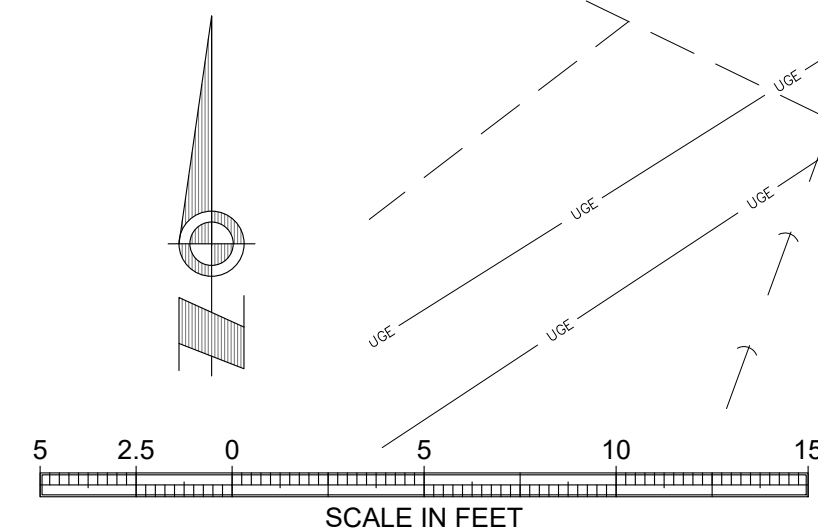
PROJECT No. I1014.23011  
 SHEET NUMBER

**C-201**

No.	Date	Item



SSMH-1	TYPE I MH
N: 530297.7 E: 162713.8	
LID EL=	29.14
4" PVC (IN) BUILDING	25.10
4" C900 FORCE MAIN (IN)	25.17
6" PVC (OUT)	25.00
RECONNECT EXISTING 4" C900 AND 6" PVC TO SSMH-1, SEE DETAIL 4, SHEET C-403	



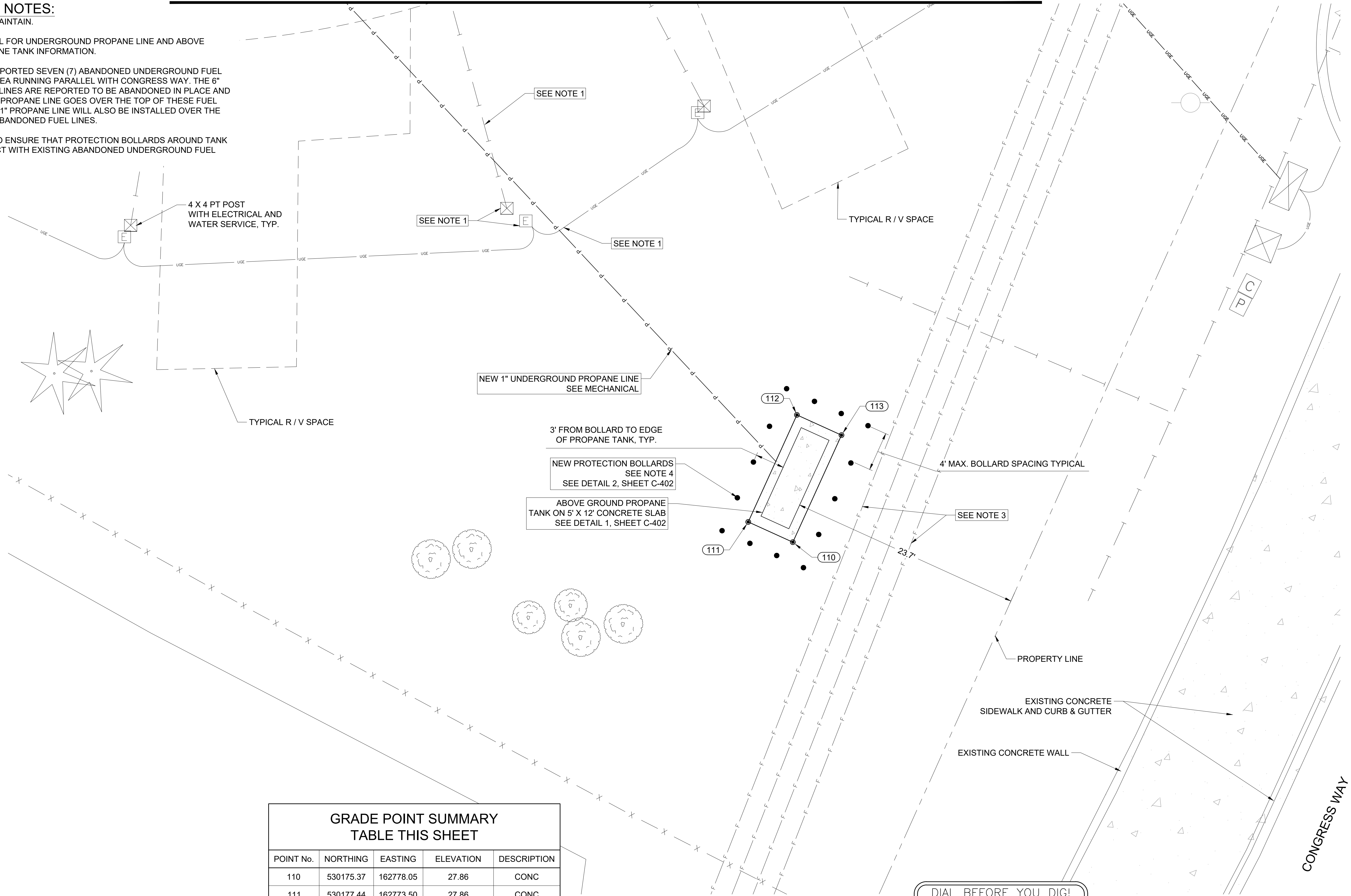
MATCHLINE, SEE SHEET C-202



MATCHLINE, SEE SHEET C-201

**SHEET C-202 NOTES:**

1. PROTECT AND MAINTAIN.
2. SEE MECHANICAL FOR UNDERGROUND PROPANE LINE AND ABOVE GROUND PROPANE TANK INFORMATION.
3. THERE ARE A REPORTED SEVEN (7) ABANDONED UNDERGROUND FUEL LINES IN THIS AREA RUNNING PARALLEL WITH CONGRESS WAY. THE 6" DIAMETER FUEL LINES ARE REPORTED TO BE ABANDONED IN PLACE AND THE EXISTING 1" PROPANE LINE GOES OVER THE TOP OF THESE FUEL PIPES. THE NEW 1" PROPANE LINE WILL ALSO BE INSTALLED OVER THE TOP OF THESE ABANDONED FUEL LINES.
4. CONTRACTOR TO ENSURE THAT PROTECTION BOLLARDS AROUND TANK DO NOT CONFLICT WITH EXISTING ABANDONED UNDERGROUND FUEL LINES.

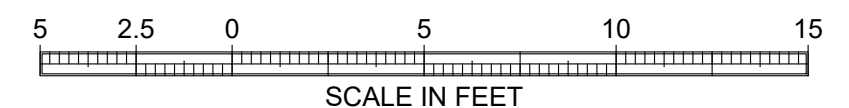


**GRADE POINT SUMMARY  
TABLE THIS SHEET**

POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION
110	530175.37	162778.05	27.86	CONC
111	530177.44	162773.50	27.86	CONC
112	530188.37	162778.46	27.86	CONC
113	530186.30	162783.01	27.86	CONC

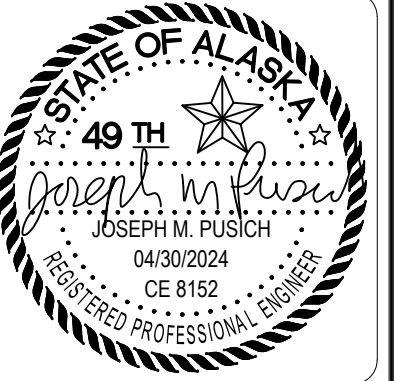
**ABBREVIATIONS**  
CONC CORNER OF CONCRETE

**DIAL BEFORE YOU DIG!**  
U/G WATER, SEWER  
**983-2449**  
U/G POWER, TELEPHONE & T.V.  
**983-2202**  
UTILITIES SHOWN ON THIS DRAWING  
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PROJECT:  
**MUNICIPALITY OF SKAGWAY PULLEN  
CREEK R/V PARK RESTROOMS**

**SKAGWAY, AK**

SHEET TITLE:  
**SITE UTILITY & GRADING PLAN**

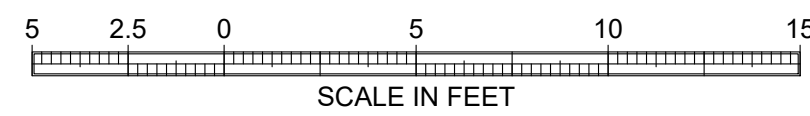
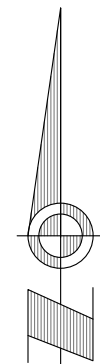
**CONSTRUCTION DOCUMENTS**

DESIGN JMP  
DRAWN JMK  
CHECKED JMP  
DATE 04/30/2024

PROJECT No.  
**11014.23011**  
SHEET NUMBER

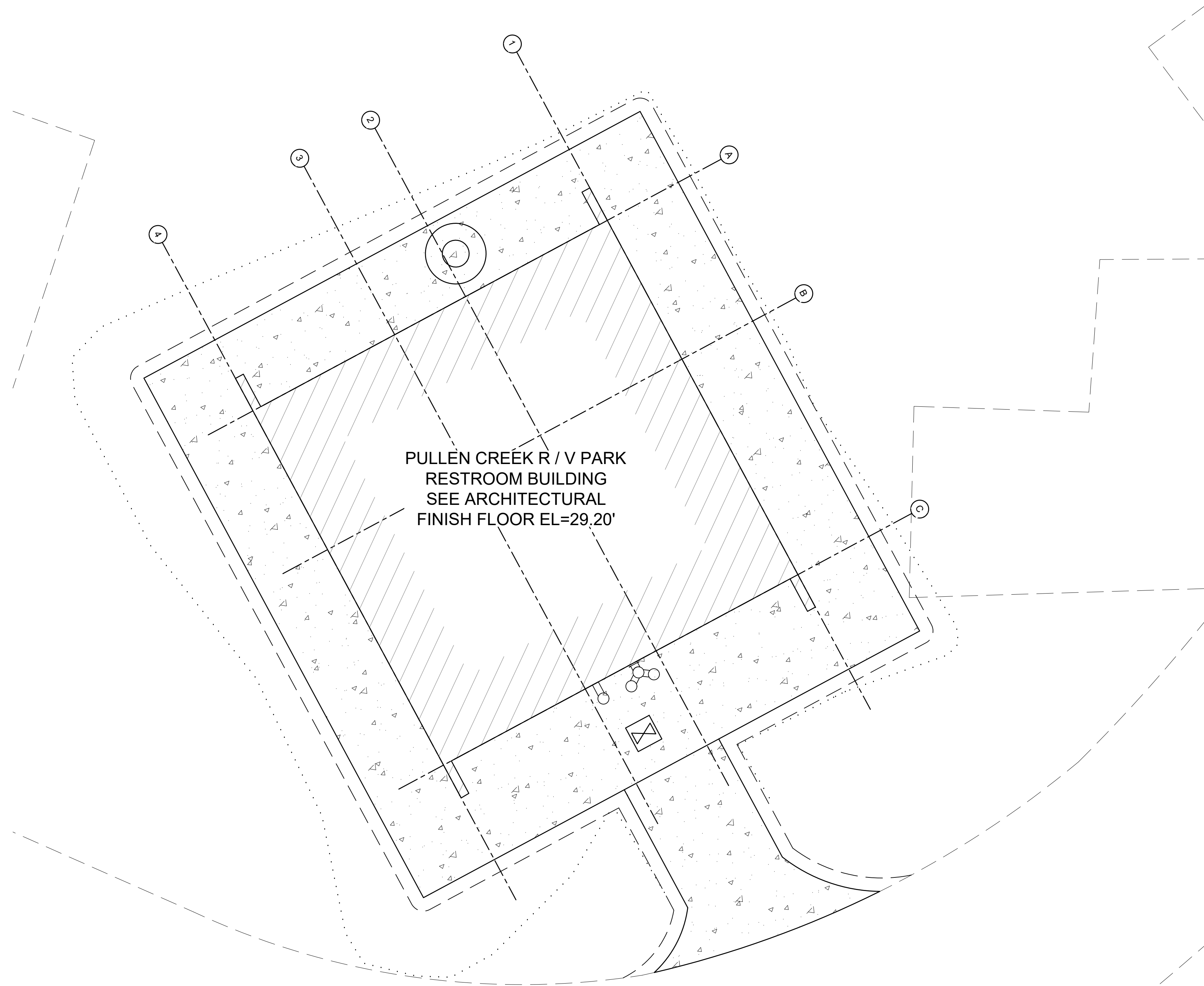
**C-202**

No.	Date	Item



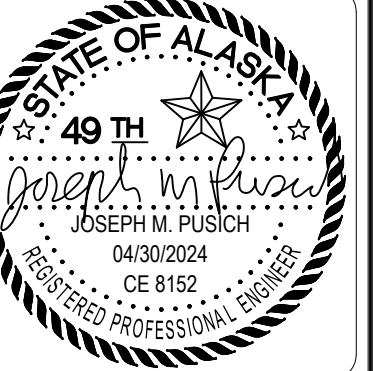
BUILDING GRID INTERSECTION SUMMARY TABLE		
GRID INTERSECTION	NORTHING	EASTING
A-1	530300.19	162725.11
C-1	530273.77	162739.32
A-4	530285.98	162698.69
C-4	530259.56	162712.90

NOTE: SEE ARCHITECTURAL DRAWINGS FOR BUILDING GRID DIMENSIONS.



PULLEN CREEK R / V PARK RESTROOM BUILDING GRID LAYOUT

CONSULTANT :



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PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**

SKAGWAY, AK

SHEET TITLE :  
**BUILDING GRID LAYOUT**

CONSTRUCTION DOCUMENTS

DESIGN JMP  
 DRAWN JMK  
 CHECKED JMP  
 DATE 04/30/2024

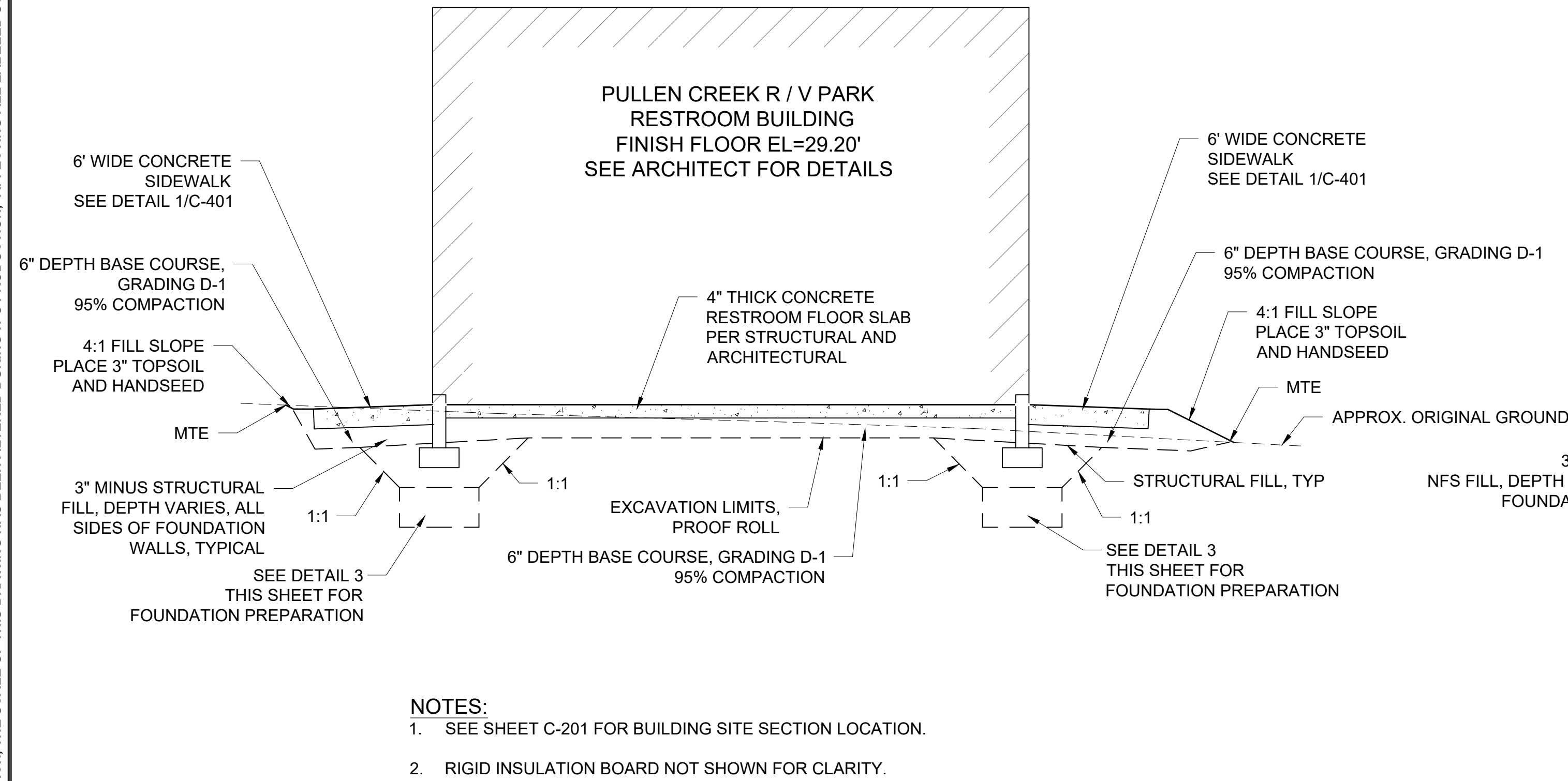
PROJECT No.  
**11014.23011**  
 SHEET NUMBER

**C-203**

No.	Date	Item

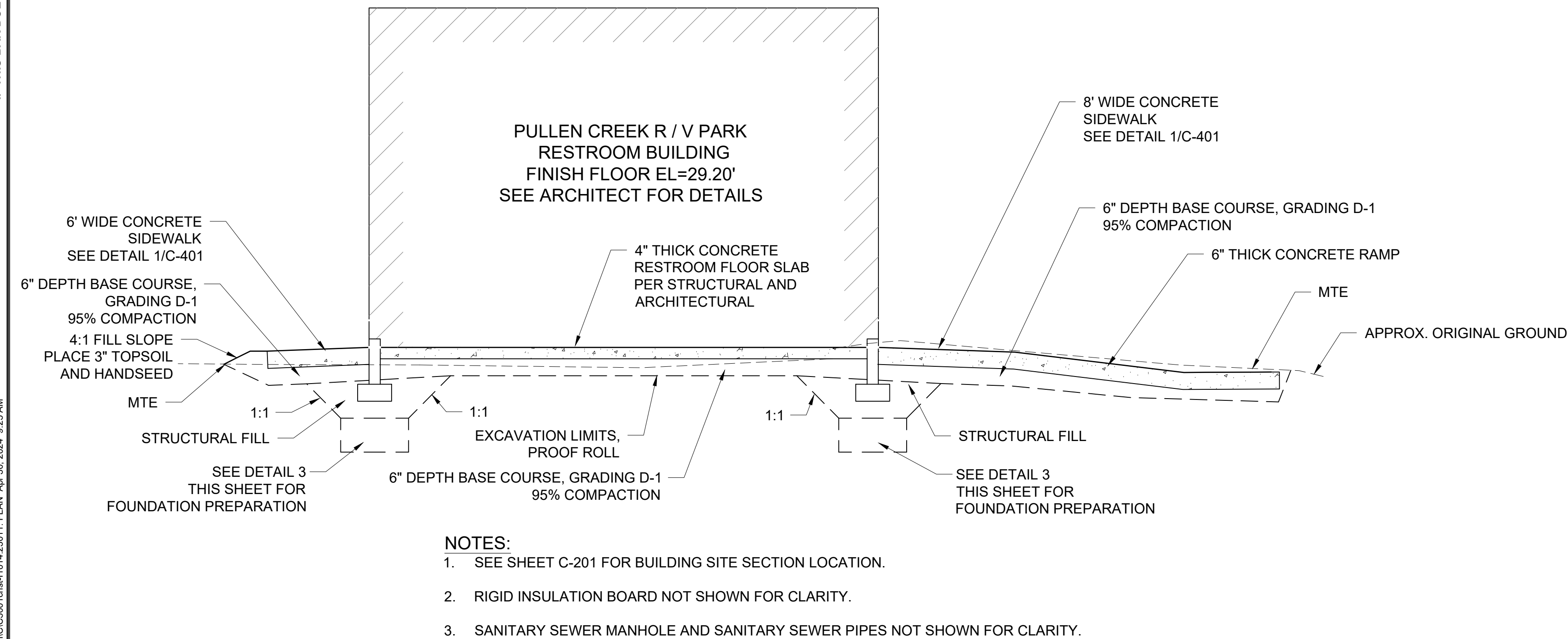
IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

N:\Projects\1014.23011-1-MOS\_Pullen\C3001.dwg 10/14/2024 10:25 AM



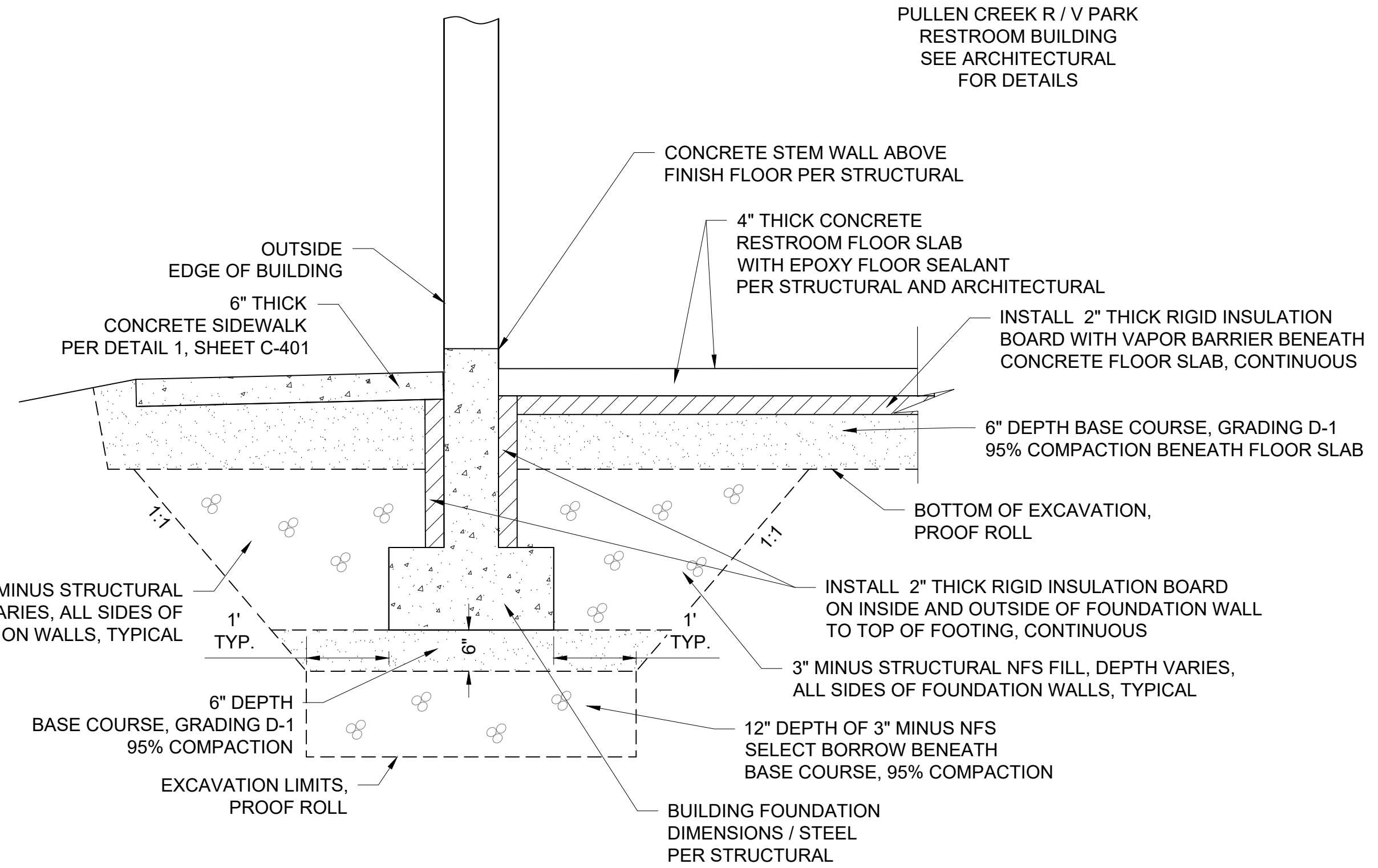
- NOTES:**
- SEE SHEET C-201 FOR BUILDING SITE SECTION LOCATION.
  - RIGID INSULATION BOARD NOT SHOWN FOR CLARITY.

**1 BUILDING SITE SECTION - AT GRID LINE "B"**  
C-301 SCALE: NTS



- NOTES:**
- SEE SHEET C-201 FOR BUILDING SITE SECTION LOCATION.
  - RIGID INSULATION BOARD NOT SHOWN FOR CLARITY.
  - SANITARY SEWER MANHOLE AND SANITARY SEWER PIPES NOT SHOWN FOR CLARITY.

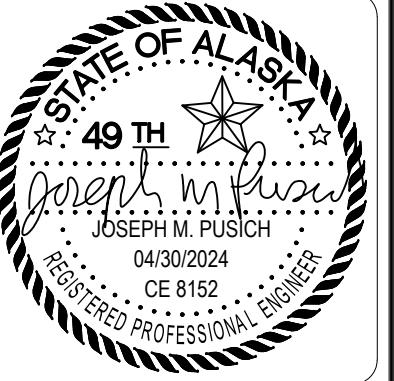
**2 BUILDING SITE SECTION AT GRID LINE "2"**  
C-301 SCALE: NTS



**3 TYPICAL FOUNDATION PREPARATION DETAIL**  
C-301 SCALE: NTS

- NOTES:**
- UNDERGROUND ELECTRICAL, WATER, SANITARY SEWER, ROOF DRAIN PIPES AND DRY WELLS NOT SHOWN FOR CLARITY. SEE SITE PLAN SHEETS FOR APPROXIMATE LOCATIONS.
  - ALL FILL AREAS BEYOND BUILDING SUBCUT LIMITS SHALL BE BACKFILLED WITH 3" MINUS NFS STRUCTURAL FILL MATERIAL.
  - SUBCUT DEPTH IS SUBJECT TO REVISION BY THE ENGINEER, DEPENDENT ON EXISTING SUBSURFACE CONDITIONS. IF ORGANIC OR OTHER UNSUITABLE MATERIALS ARE FOUND TO EXIST AT OR NEAR THE PLANNED SUBCUT LEVEL, ADDITIONAL EXCAVATION AND BACKFILL MAY BE REQUIRED.
  - EXISTING SUBSURFACE SOILS CONSIST OF SILT, SAND, GRAVEL AND COBBLES. CONTRACTOR TO PROOF ROLL AT BOTTOM OF EXCAVATION LIMITS TO CONSOLIDATE MATERIAL PRIOR TO PLACING 3" MINUS STRUCTURAL FILL MATERIAL.

CONSULTANT:



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9100 Mendonhall Mall Rd. Ste. 4  
Juneau, AK 99801  
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AEOC 63270



PROJECT: **MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**  
SKAGWAY, AK

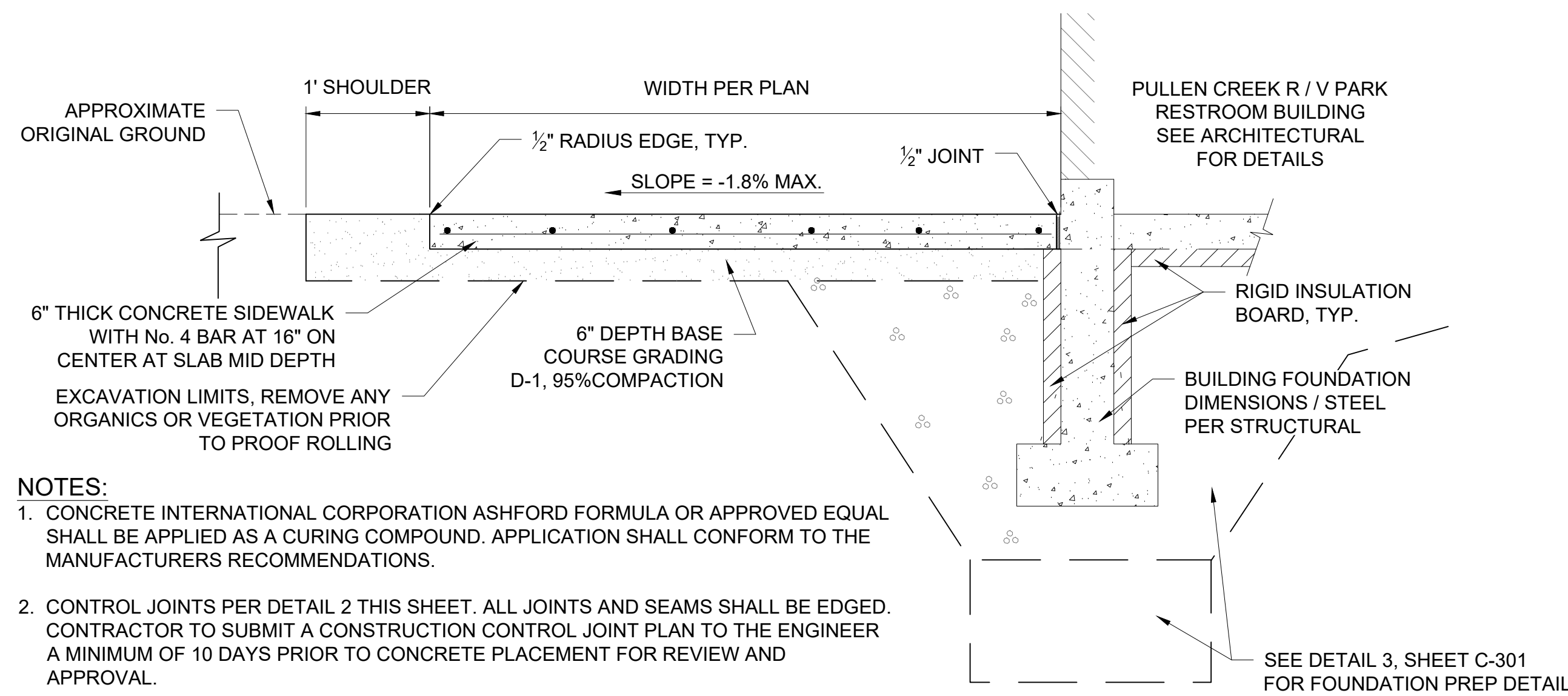
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**CONSTRUCTION DOCUMENTS**

DESIGN: JMP  
DRAWN: JMK  
CHECKED: JMP  
DATE: 04/30/2024

PROJECT No. **11014.23011**  
SHEET NUMBER

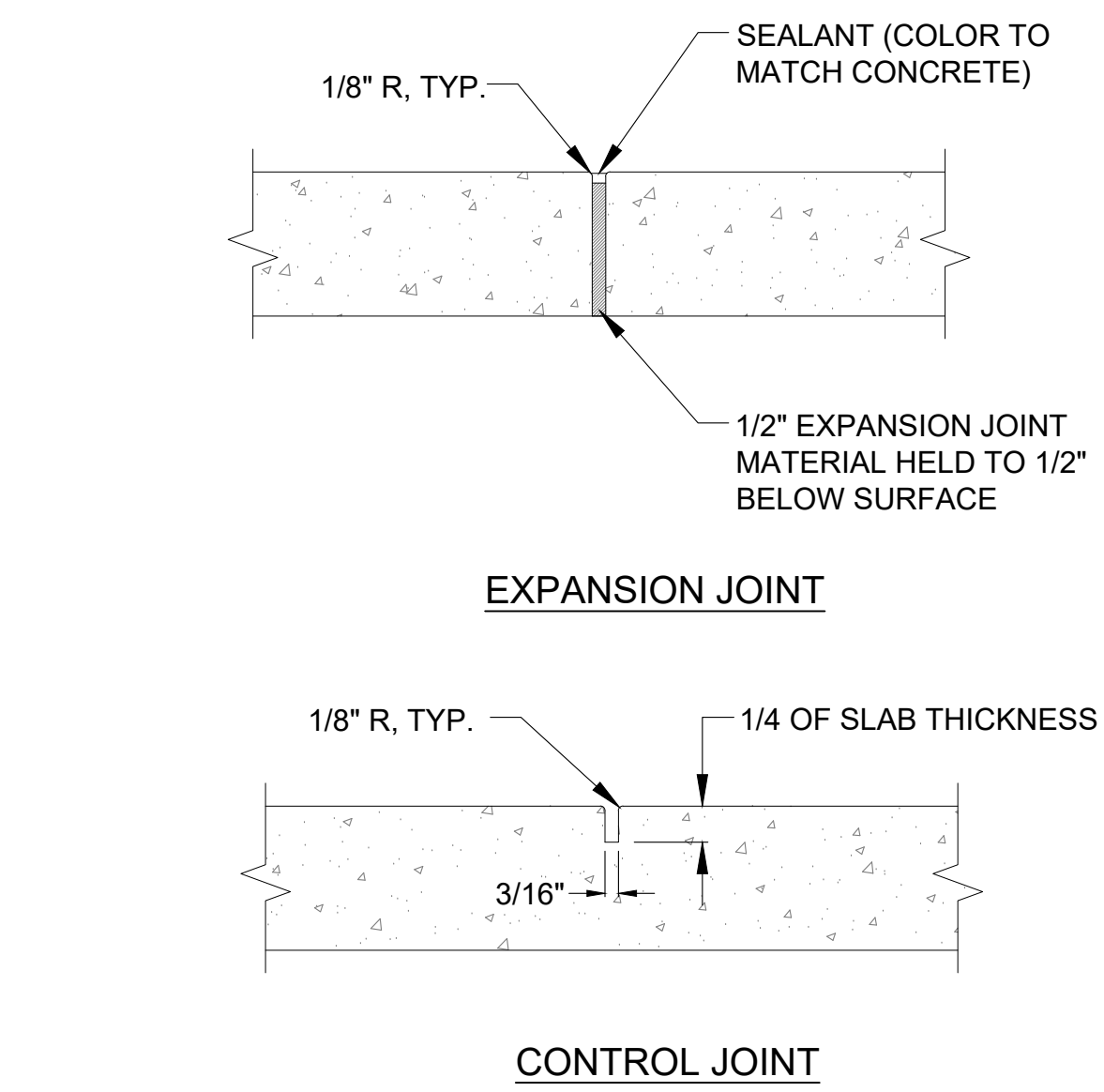
**C-301**

No.	Date	Item



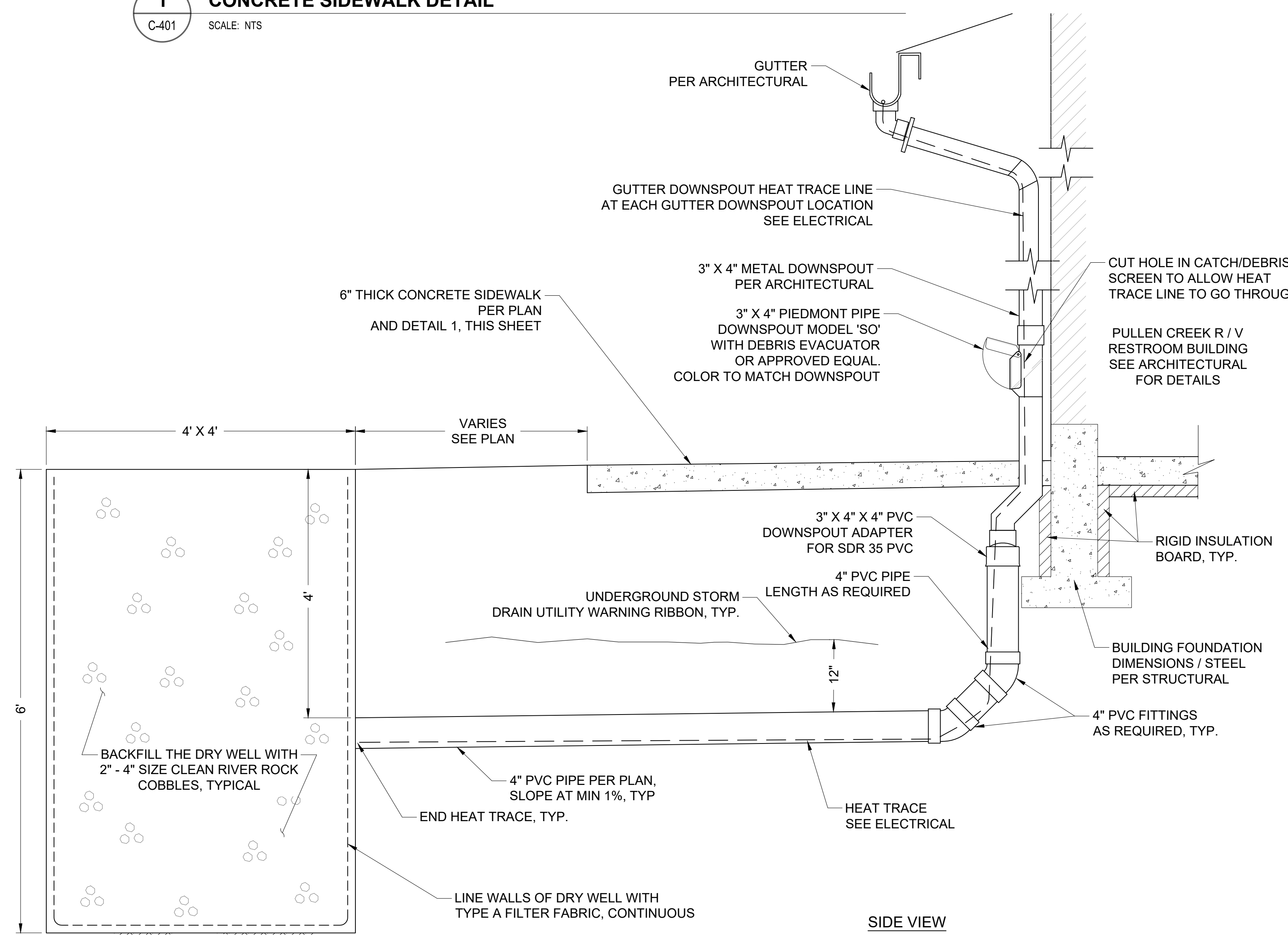
- NOTES:**
1. CONCRETE INTERNATIONAL CORPORATION ASHFORD FORMULA OR APPROVED EQUAL SHALL BE APPLIED AS A CURING COMPOUND. APPLICATION SHALL CONFORM TO THE MANUFACTURERS RECOMMENDATIONS.
  2. CONTROL JOINTS PER DETAIL 2 THIS SHEET. ALL JOINTS AND SEAMS SHALL BE EDGED. CONTRACTOR TO SUBMIT A CONSTRUCTION CONTROL JOINT PLAN TO THE ENGINEER A MINIMUM OF 10 DAYS PRIOR TO CONCRETE PLACEMENT FOR REVIEW AND APPROVAL.
  3. STEEL TROWELING FINISH REQUIRED PRIOR TO LIGHT BROOM FINISHING ON ALL SURFACES, PERPENDICULAR TO DIRECTION OF TRAVEL.

**1 CONCRETE SIDEWALK DETAIL**  
C-401 SCALE: NTS

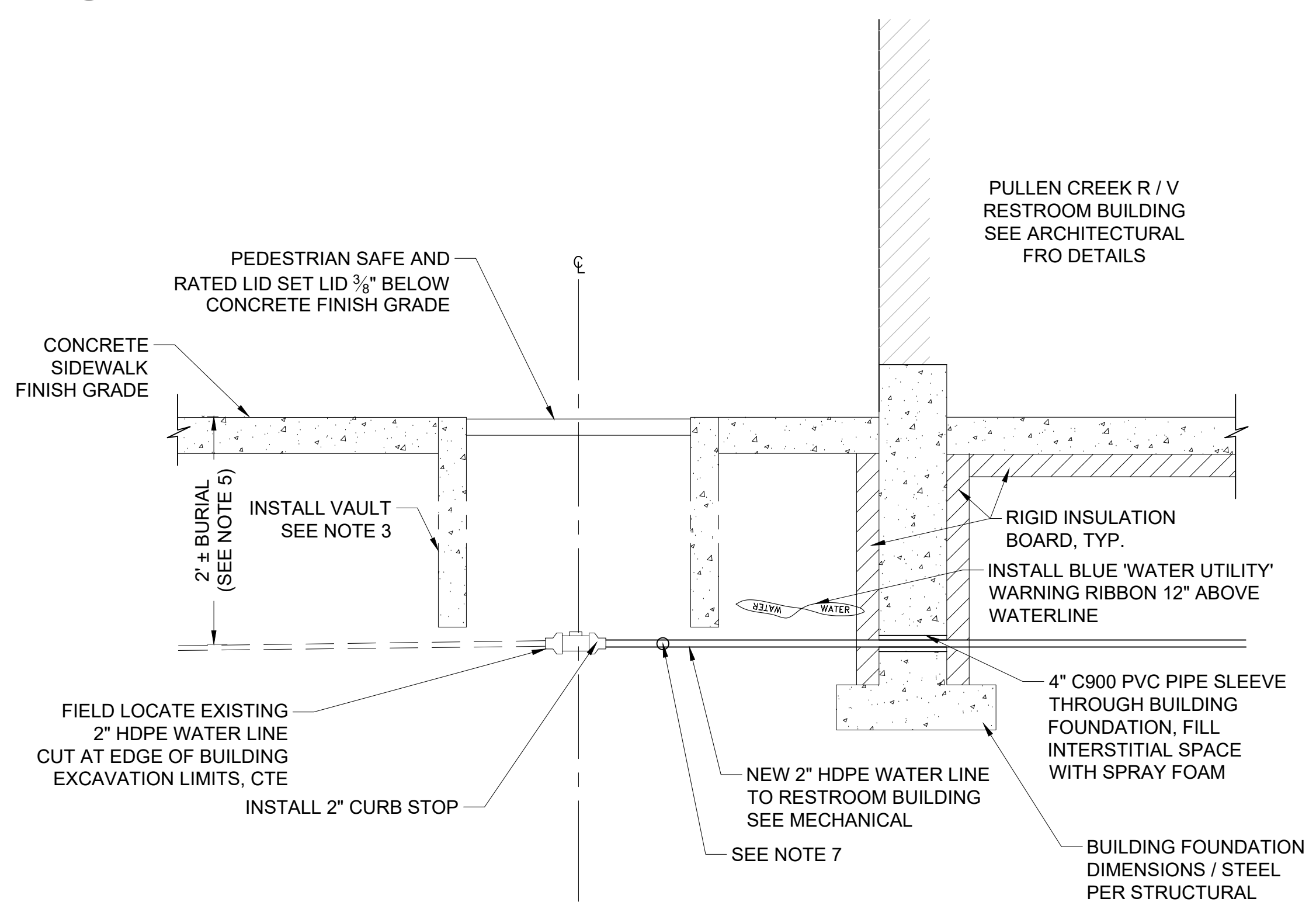


- NOTES:**
1. UNLESS OTHERWISE NOTED, CONTROL JOINTS SHALL OCCUR AT DISTANCES EQUAL TO THE WIDTH OF SIDEWALKS, WITH EXPANSION JOINTS NO FARTHER THAN 20 FEET APART
  2. UNLESS OTHERWISE NOTED, ALL CONCRETE FLATWORK TO BE OF LIGHT BROOM FINISH, WITH PATTERN RUNNING PERPENDICULAR TO FLOW OF TRAFFIC

**2 CONCRETE EXPANSION & CONTROL JOINT DETAIL**  
C-401 SCALE: NTS



**3 DRY WELL AND ROOF GUTTER DOWNSPOUT DETAIL**  
C-401 SCALE: NTS

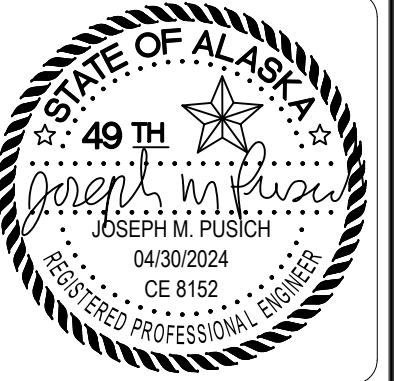


- NOTES:**
1. USE MUELLER CURB STOP WITH STOP AND WASTE No. H-10284N OR APPROVED EQUAL
  2. ALL SERVICE FITTINGS TO BE LIKE MATERIAL (BRASS) AS APPROVED BY THE ENGINEER.
  3. CURB VAULT TO BE A 24" X 24" PRECAST CONCRETE VAULT WITH LID OR APPROVED EQUIVALENT W/ STAINLESS STEEL 1/2" ROD WITH STAINLESS STEEL COTTER PIN. MODIFY PROPOSED 24" DEEP PRE-CAST WATER VAULT AS REQUIRED TO ACCOMMODATE ACTUAL DEPTH OF 2" POLY.
  4. ALL HDPE JOINTS SHALL BE HEAT FUSION BUTT-WELDED TO ADJACENT PIPE SECTIONS. END SEALS AT UNINSULATED FITTINGS SHALL BE FIELD APPLIED HEAT SHRINKABLE END SEALS.
  5. EXISTING 2" WATER SERVICE BURIED APPROXIMATELY 2' ±. NEW 2" HDPE TO MAINTAIN THIS DEPTH.
  6. CONTRACTOR TO PROVIDE SWING TIE INFORMATION TO THE ENGINEER FOR CURB BOX LOCATION.
  7. INSTALL 2" X 1" X 2" HDPE TEE FITTING WITH 1" STOP AND WASTE VALVE.

**4 2 - INCH HDPE WATER SERVICE DETAIL**  
C-401 SCALE: NTS

No.	Date	Item

CONSULTANT:



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9100 Mendena Hall Rd. Ste. 4  
Juneau, AK 99801  
Phone: 907.586.6060  
Fax: 907.586.3771  
AEOC 63270



PROJECT:  
**MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**

SKAGWAY, AK

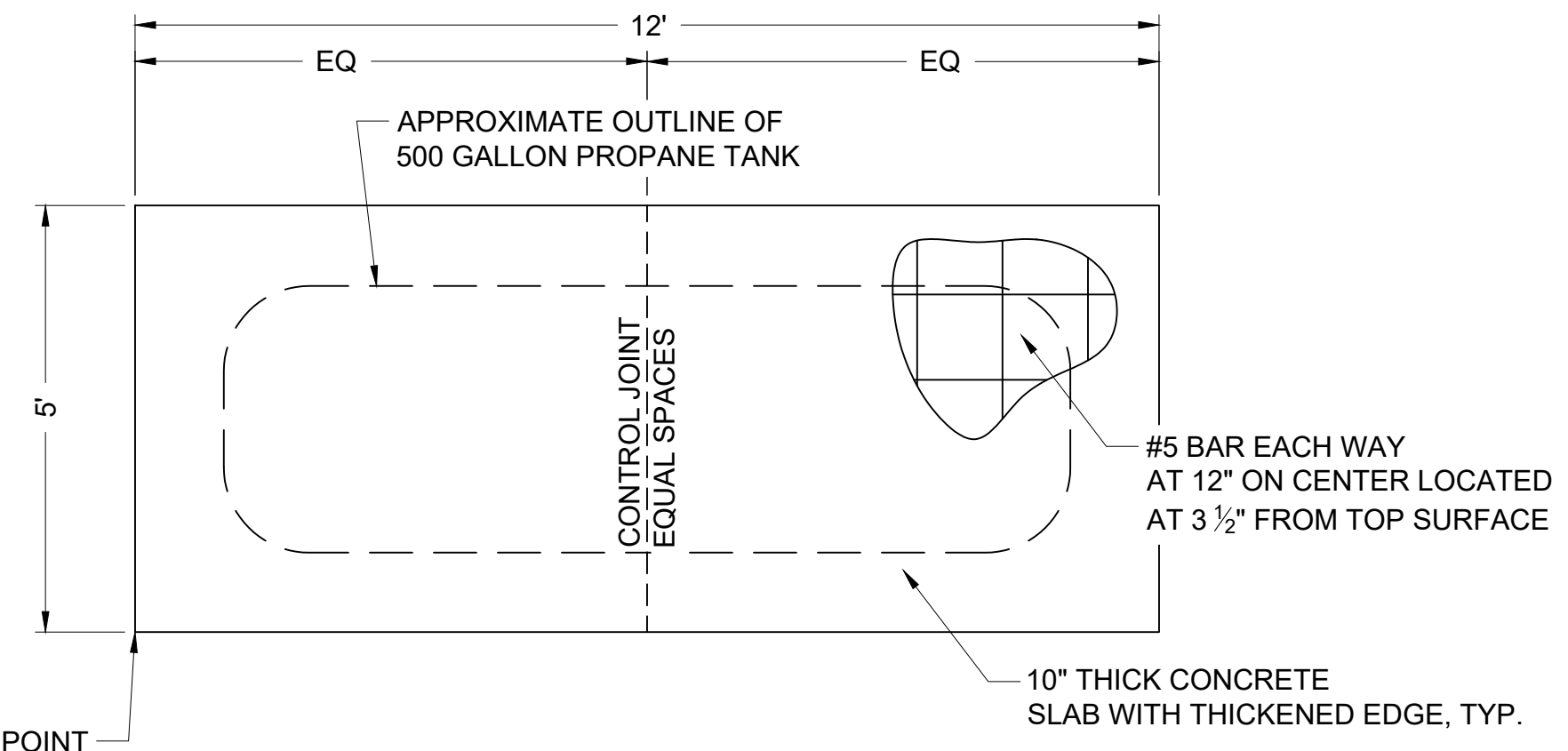
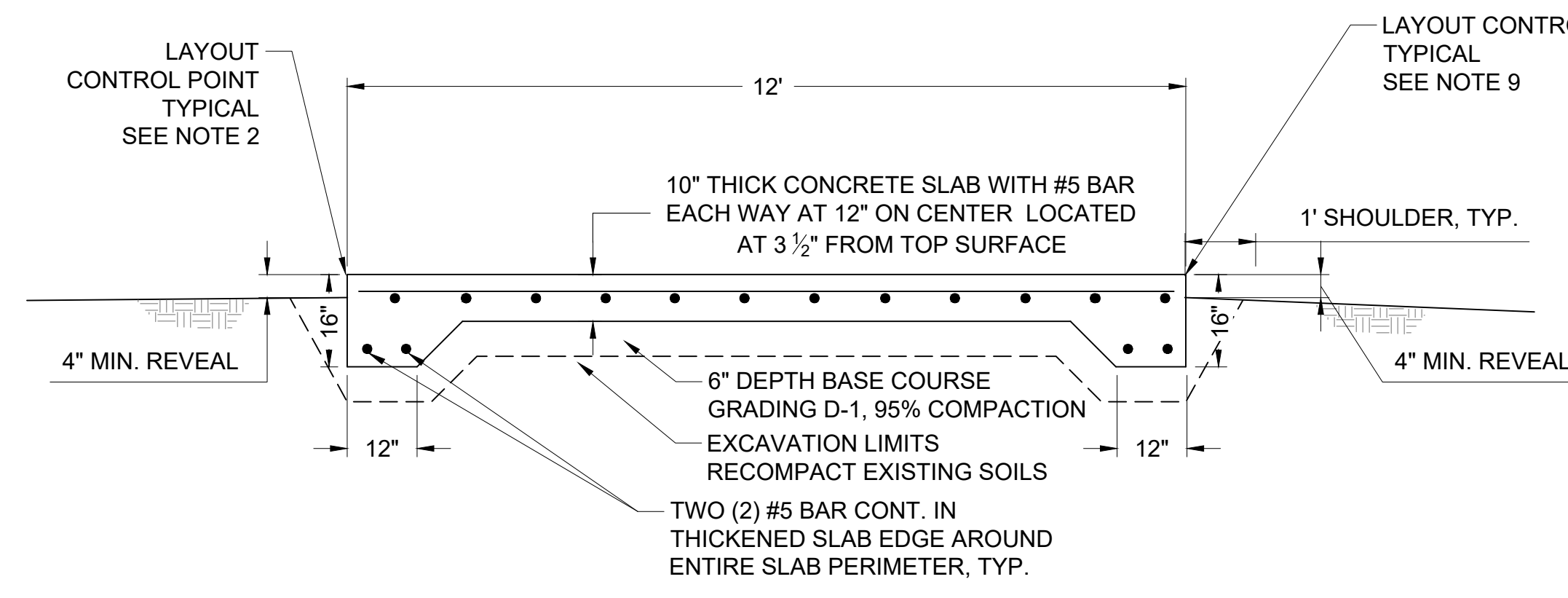
SHEET TITLE:  
**CONSTRUCTION DETAILS**

CONSTRUCTION DOCUMENTS

DESIGN JMP  
DRAWN JMK  
CHECKED JMK  
DATE 04/30/2024

PROJECT No.  
**11014.23011**  
SHEET NUMBER

**C-401**

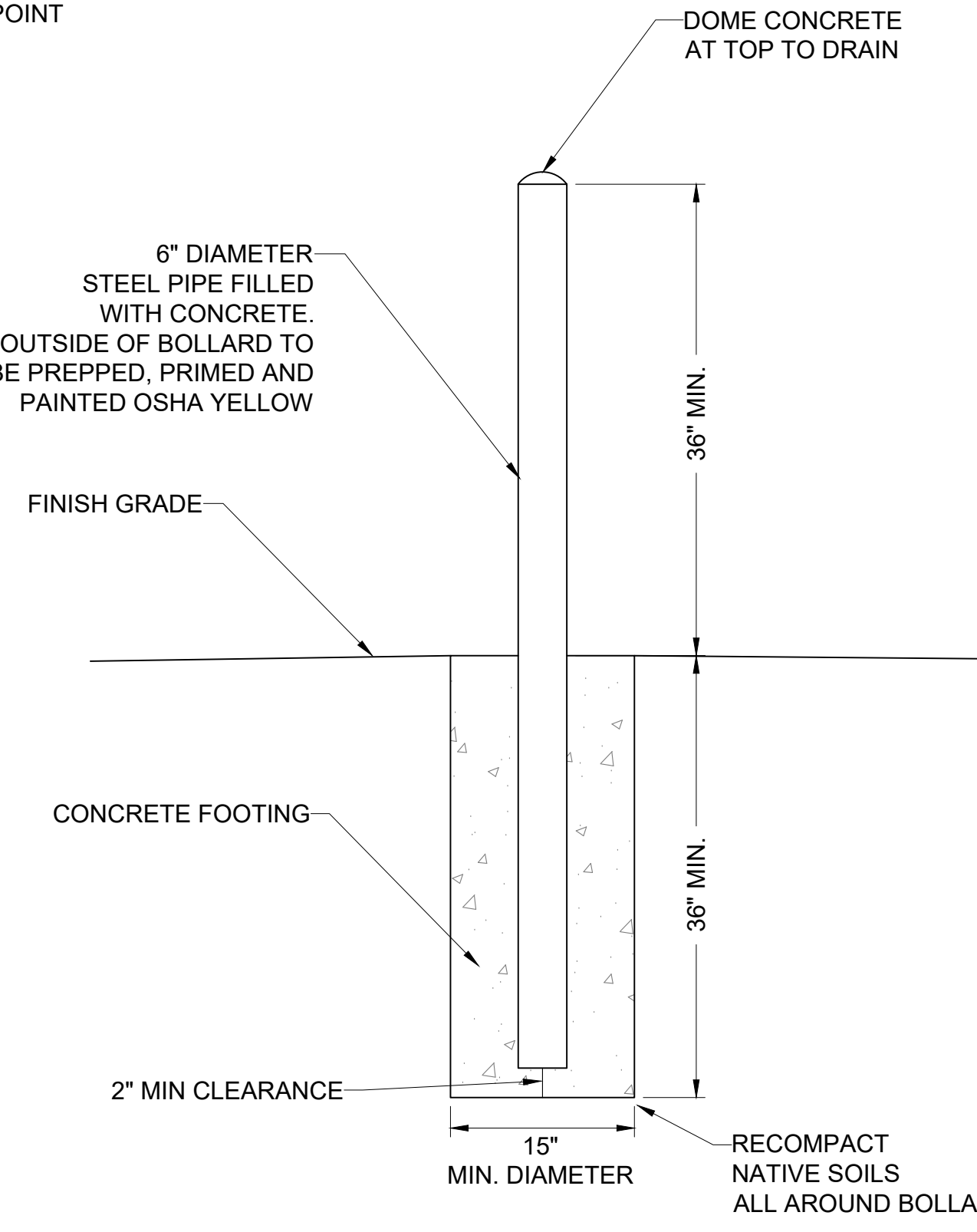


**PROPANE TANK SLAB NOTES:**

1. CONSTRUCT TOOLED CONTROL JOINTS AT ONE HALF POINTS OF THE SLAB AS SHOWN.
2. ALL STEEL MUST HAVE A MINIMUM OF 3" OF CONCRETE COVER UNLESS OTHERWISE NOTED.
3. A STEEL TROWEL FINISH IS REQUIRED PRIOR TO LIGHT BROOM FINISHING OF SLAB TOP SURFACE.
4. CONCRETE INTERNATIONAL CORPORATION ASHFORD FORMULA OR APPROVED EQUAL SHALL BE APPLIED AS A CURING COMPOUND. APPLICATION SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS.
5. CONSTRUCT A 1/2" CHAMFER ON ALL EXPOSED CONCRETE SLAB EDGES.
6. ACTUAL CONCRETE SLAB DIMENSIONS MAY VARY. COORDINATE WITH MECHANICAL ON ACTUAL PROPANE TANK DIMENSIONS AND ANCHOR BOLT REQUIREMENTS.
7. CONCRETE COMPRESSIVE STRENGTH TO BE 3,000 PSI AT 28 DAYS. SEE SPECIFICATIONS SECTION SITE CONCRETE 321313 FOR CONCRETE MIX DESIGN, REINFORCING STEEL AND TESTING REQUIREMENTS.
8. CONTRACTOR TO MOUNT PROPANE TANK TO CONCRETE SLAB PER MANUFACTURER'S RECOMMENDATIONS.
9. NEW SLAB EDGE TO BE 4" ABOVE SURROUNDING GRADE. SEE SHEET C-202 FOR LOCATION AND ELEVATIONS.
10. PROTECTION BOLLARDS ARE NOT SHOWN FOR CLARITY.

**1 500 GALLON PROPANE TANK SLAB DETAIL**

C-402 SCALE: NTS

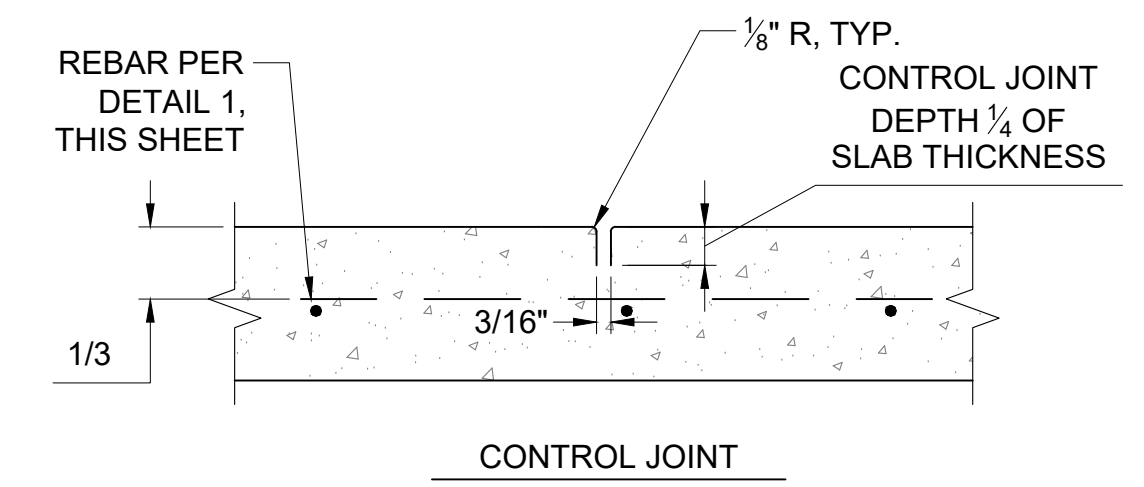


**2 PROTECTION BOLLARD DETAIL**

C-402 SCALE: NTS

**NOTES:**

1. CONSTRUCT BOLLARDS WITH SCHEDULE 40 STEEL NOT LESS THAN 6 INCHES IN DIAMETER AND CONCRETE FILLED.
2. BOLLARD SPACING TO BE 4 FEET MAX FROM CENTER TO CENTER OF BOLLARD. SEE SHEET C-202 FOR LOCATIONS.
3. BOLLARD TO BE SET NOT LESS THAN 3 FEET DEEP IN A CONCRETE FOOTING OF NOT LESS THAN A 15-INCH DIAMETER.
4. BOLLARD TO BE SET WITH THE TOP OF THE BOLLARD POST NOT LESS THAN 3 FEET ABOVE GROUND.
5. BOLLARD TO BE LOCATED NOT LESS THAN 3 FEET ALL AROUND THE OUTSIDE OF PROPANE TANK.
6. CONCRETE COMPRESSIVE STRENGTH TO BE 3,000 PSI AT 28 DAYS. SEE SPECIFICATION SECTION SITE CONCRETE 321313.

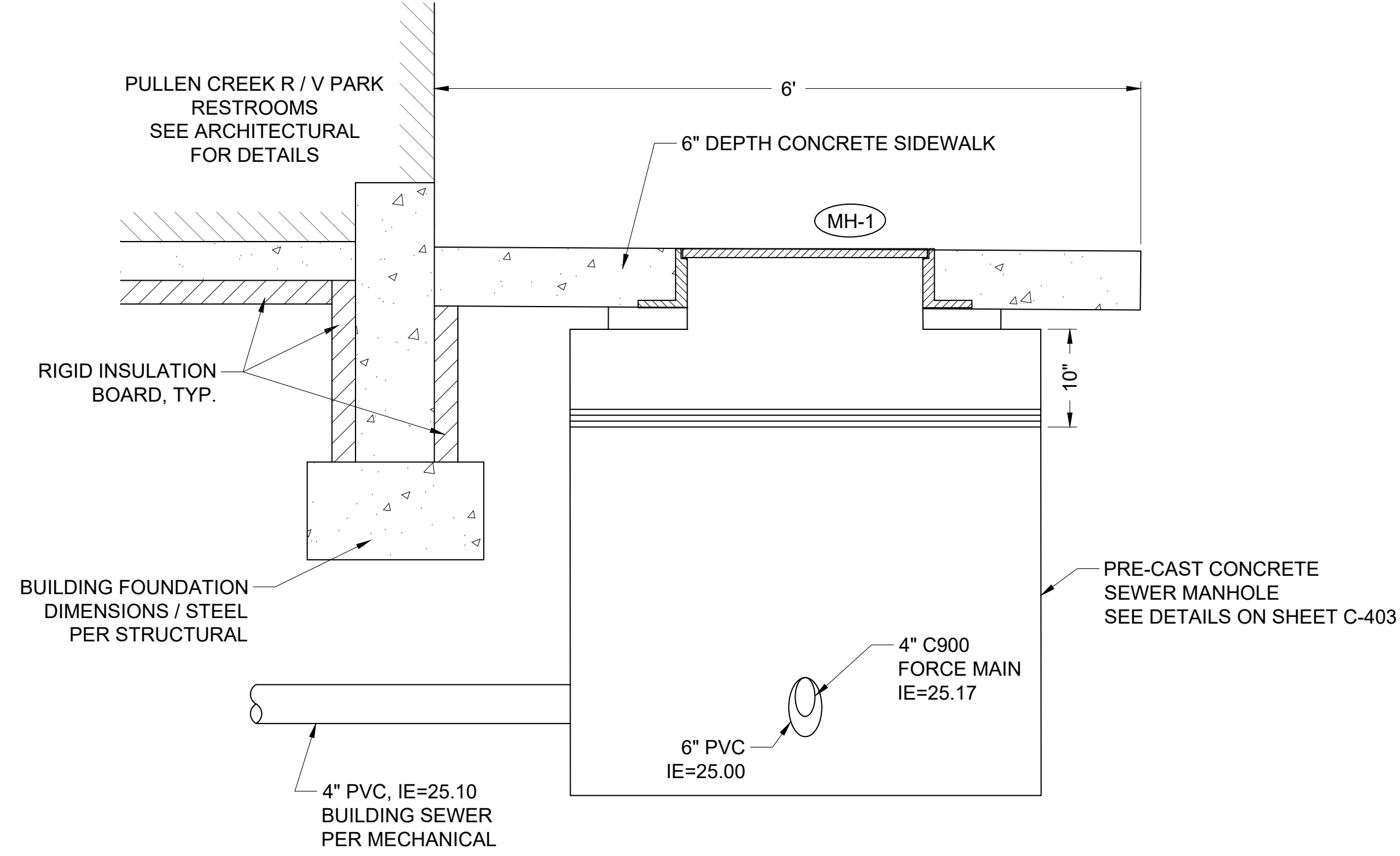


**NOTES:**

1. UNLESS OTHERWISE NOTED, CONTROL JOINTS SHALL OCCUR AT DISTANCES SHOWN IN DETAIL 1, THIS SHEET. CONTRACTOR TO SUBMIT A CONSTRUCTION JOINT LAYOUT PLAN TO ENGINEER FOR REVIEW AND APPROVAL.

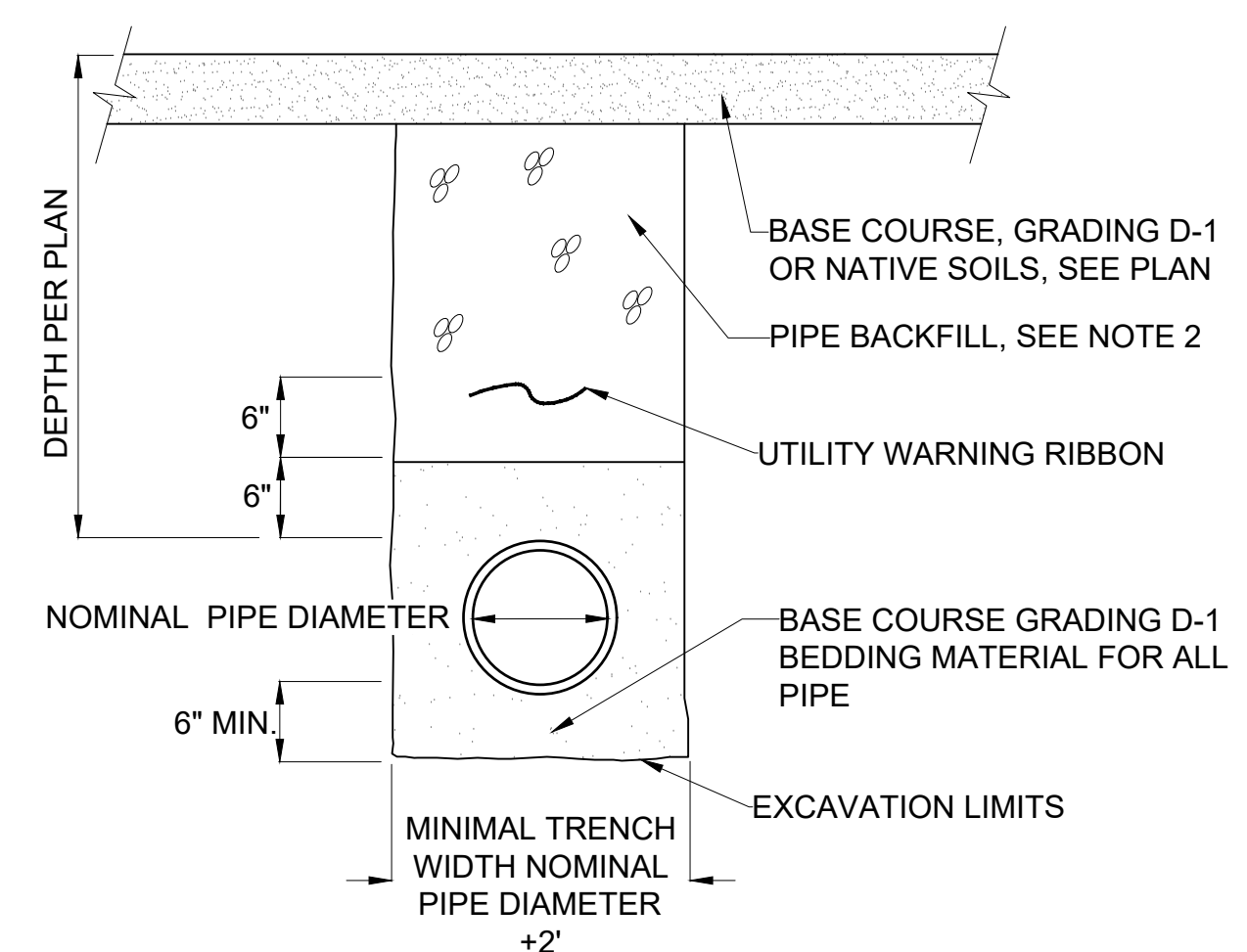
**3 PROPANE TANK SLAB CONCRETE CONTROL JOINTS**

C-402 SCALE: NTS



**4 SANITARY SEWER MANHOLE DETAIL**

C-402 SCALE: NTS



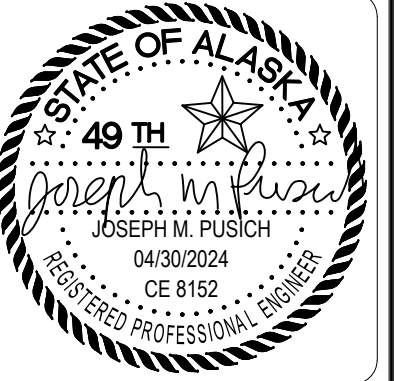
**NOTES:**

1. BEDDING AND BACKFILL SHALL BE PLACED IN MAX. 6" LIFTS AND SHALL BE COMPACTED TO 95%.
2. PIPE BACKFILL SHALL BE STRUCTURAL FILL MATERIAL UNLESS OTHERWISE NOTED.

**5 PIPE TRENCH DETAIL**

C-402 SCALE: NTS

CONSULTANT:



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 9100 Mendenhall Mall Rd. Ste. 4  
 Juneau, AK 99801  
 Phone: 907.780.6060  
 Fax: 907.586.3771  
 AEOC 63270



PROJECT: MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS

SKAGWAY, AK

SHEET TITLE: CONSTRUCTION DETAILS

CONSTRUCTION DOCUMENTS

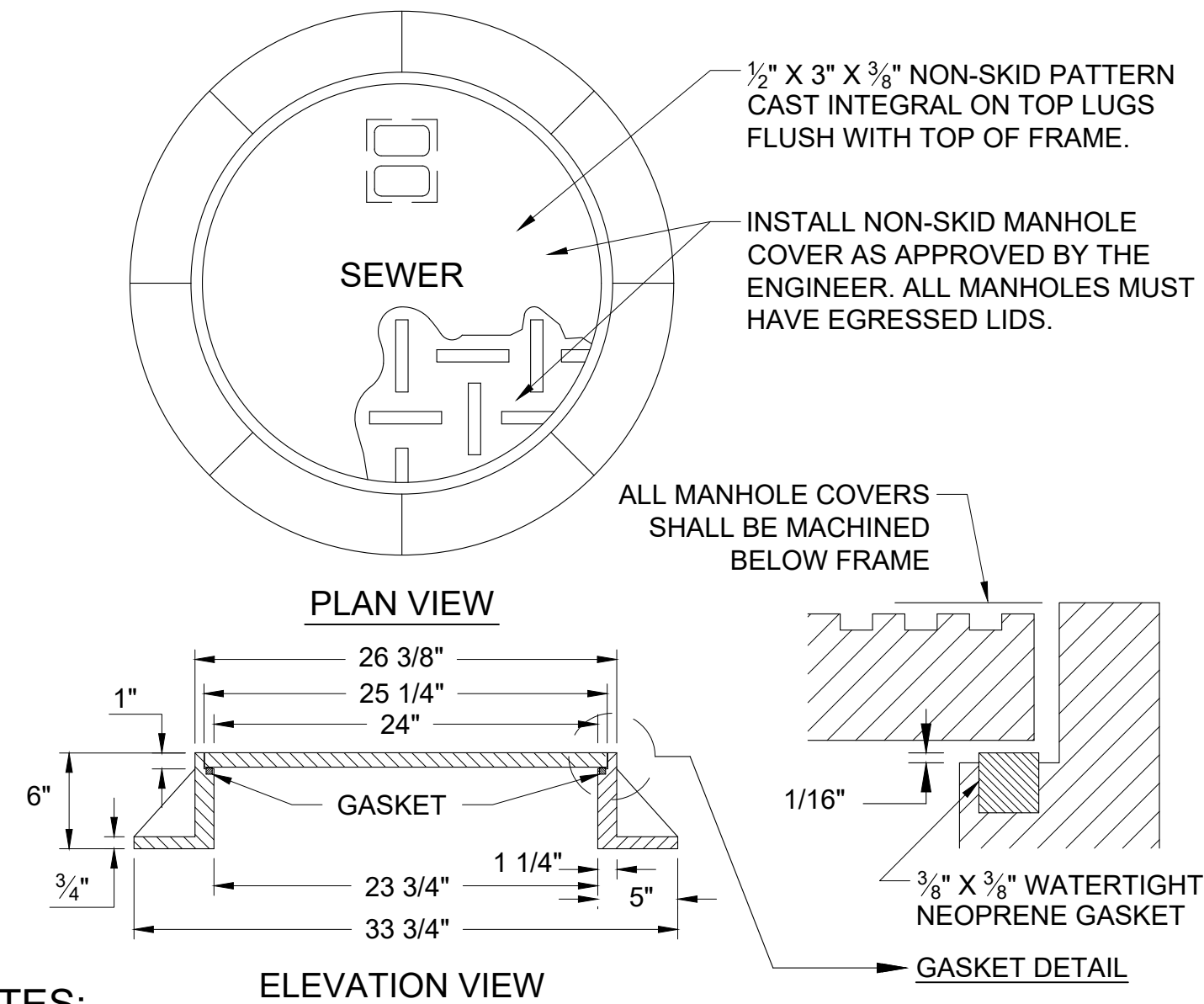
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 CHECKED JMK  
 DATE 04/30/2024

PROJECT No. I1014.23011  
 SHEET NUMBER

**C-402**

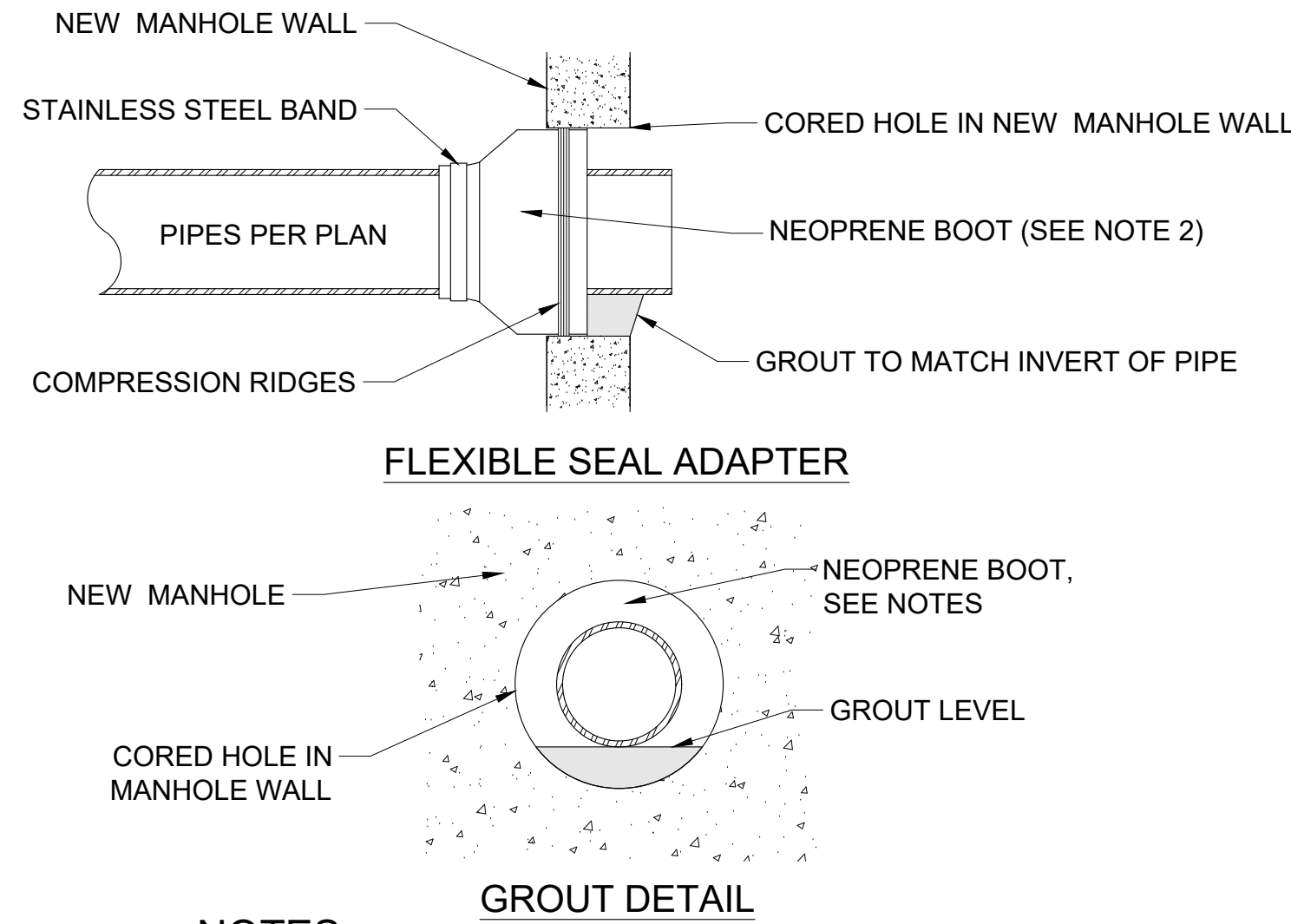
No.	Date	Item

1" IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES



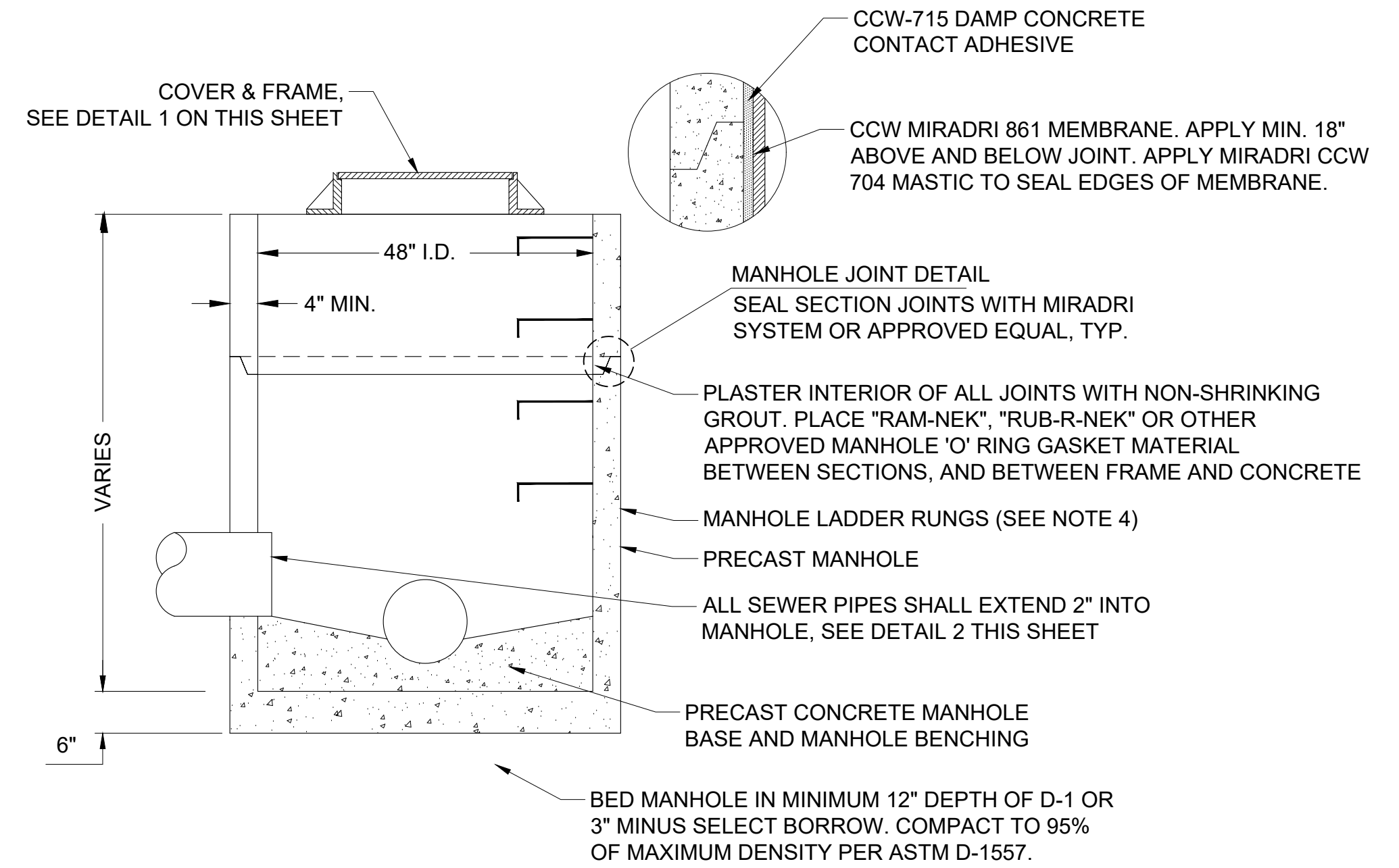
- NOTES:**
1. FRAME MUST BE MACHINED TO FIT WATERTIGHT NEOPRENE GASKET.
  2. COVER SHALL BE WATER TIGHT WITH NO HOLES, SHALL HAVE THE WORD "SEWER" CAST IN AND SHALL BE PROVIDED WITH AN INTEGRAL POCKET LIFT HANDLE.
  3. FRAME AND COVER DIMENSIONS SHALL BE IN ACCORDANCE WITH OLYMPIC CONSTRUCTION CASTINGS No. MH30A, WITH EGRESSED LID, OR AN APPROVED EQUAL.
  4. FRAME AND GRATE SHALL BE DUCTILE IRON.
  5. FRAME AND GRATE SHALL BE OF A TYPE THAT WILL NOT CREATE A HAZARD FOR BICYCLE TRAFFIC.

**1 SANITARY SEWER MANHOLE COVER & FRAME**  
C-403 SCALE: NTS



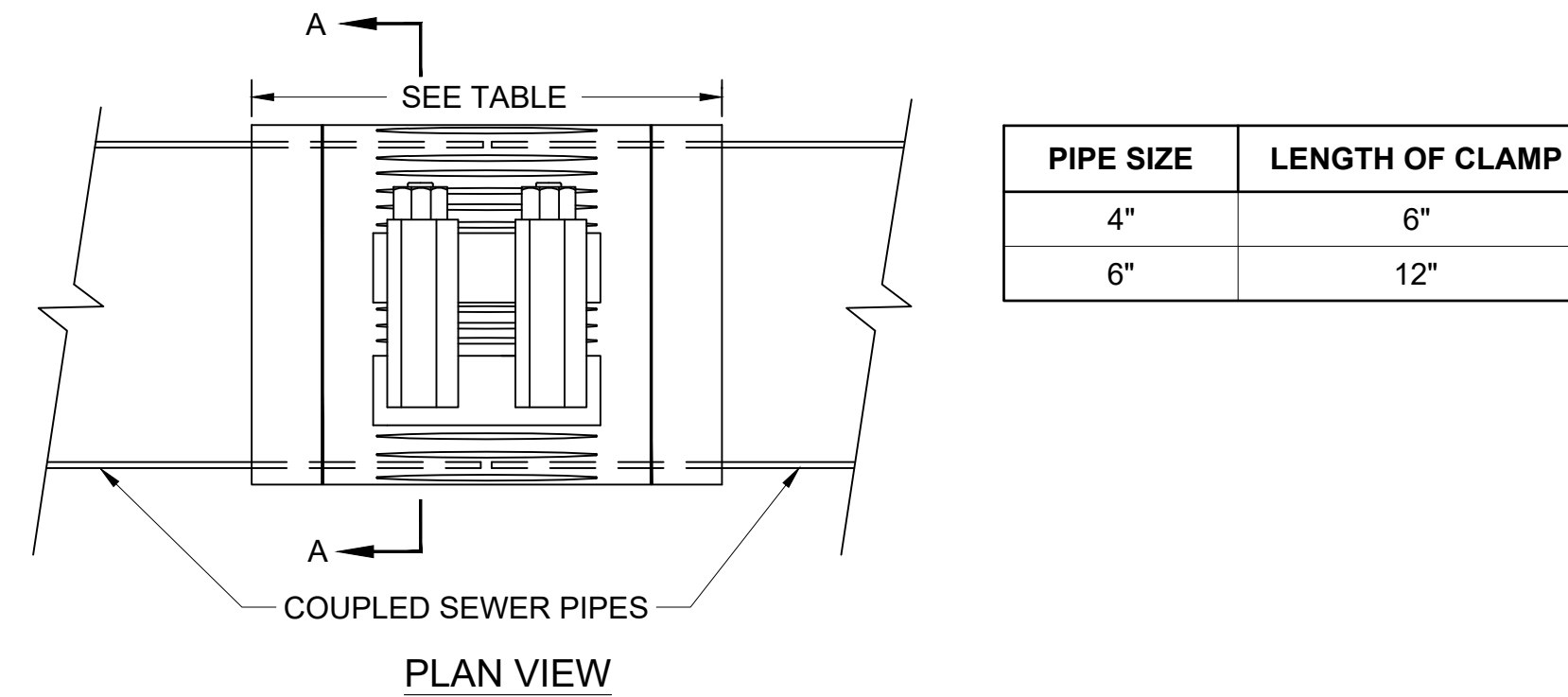
- NOTES:**
1. ALL MANHOLE CONNECTIONS SHALL BE 100% WATERTIGHT.
  2. NEOPRENE BOOT ON THE FLEXIBLE SEAL ADAPTER SHALL BE A MINIMUM OF 3/8" THICK PER ASTM C-443, AND SHALL BE HELD IN PLACE WITH AN INTERNAL EXPANDING BAND SUCH AS "KOR-N-SEAL" OR APPROVED EQUAL.
  3. ALL PIPE SHALL EXTEND 2" INTO MANHOLE.

**2 SANITARY SEWER MANHOLE CONNECTION**  
C-403 SCALE: NTS



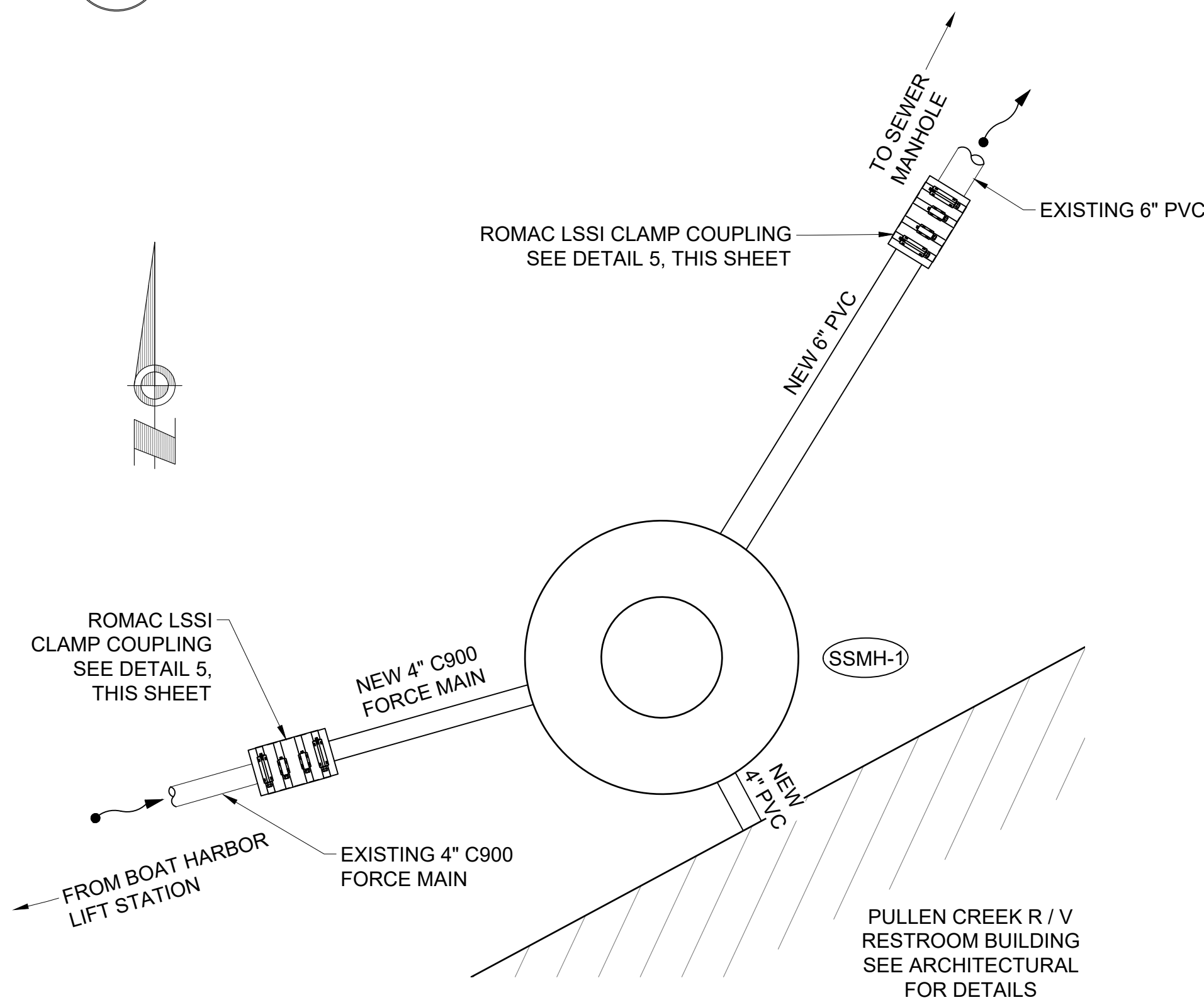
- NOTES:**
1. USE NO MORE THAN ONE 4" ADJUSTING RING FOR NEW CONSTRUCTION.
  2. REFER TO A.S.T.M. C-478 FOR DESIGN REQUIREMENTS AND C-478-69 FOR MINIMUM STEEL FOR BARREL. FIRST BARREL SECTION SHALL BE IMBEDDED IN BASE. BLOCK OUTS SHALL BE FORMED.
  3. IF MANHOLE IS WITHIN A ROADWAY, COMPACTION TESTS MUST BE TAKEN ON BACKFILL EVERY 3'. DENSITY SHALL BE 95% OF MAXIMUM PROCTOR DENSITY.
  4. RUNGS TO BE PLACED 12" O.C. ON UNOBSTRUCTED SIDE OF MANHOLE. LAST RUNG SHALL BE 18" MAX. FROM BOTTOM OF MANHOLE AND TOP RUNG SHALL BE 6" MAX. FROM TOP OF CONE. IF UNOBSTRUCTED SIDE NOT AVAILABLE, LAST RUNG TO BE PLACED 6" OVER SMALLEST PIPE. RUNGS SHALL BE POLYETHYLENE 14" WIDE LADDER STEPS.

**3 TYPE I SANITARY SEWER MANHOLE DETAIL**  
C-403 SCALE: NTS



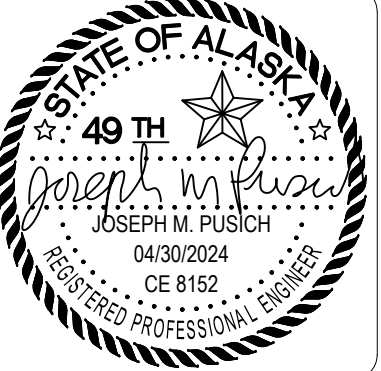
- NOTES:**
1. BOLTS, WASHERS, NUTS, LUG, AND SHELL SHALL BE STAINLESS STEEL.
  2. CONNECTED PIPES SHALL BE CUT PERPENDICULAR AND INSERTED INTO COUPLING SO THAT ENDS ARE FLUSH.

**5 ROMAC LSSI CLAMP COUPLING DETAIL**  
C-403 SCALE: NTS



**4 SEWER LINE CONNECTION DETAIL TO SSMH-1**  
C-403 SCALE: NTS

CONSULTANT:



**Juneau, AK**  
9100 Mendonhall Mall Rd. Ste. 4  
Juneau, AK 99801  
Phone: 907.780.6060  
Fax: 907.586.3771  
AEC063270



PROJECT:  
**MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**

SKAGWAY, AK

SHEET TITLE:  
**CONSTRUCTION DETAILS**  
**CONSTRUCTION DOCUMENTS**

DESIGN: JMP  
DRAWN: JMK  
CHECKED: JMP  
DATE: 04/30/2024

PROJECT No.  
**11014.23011**  
SHEET NUMBER

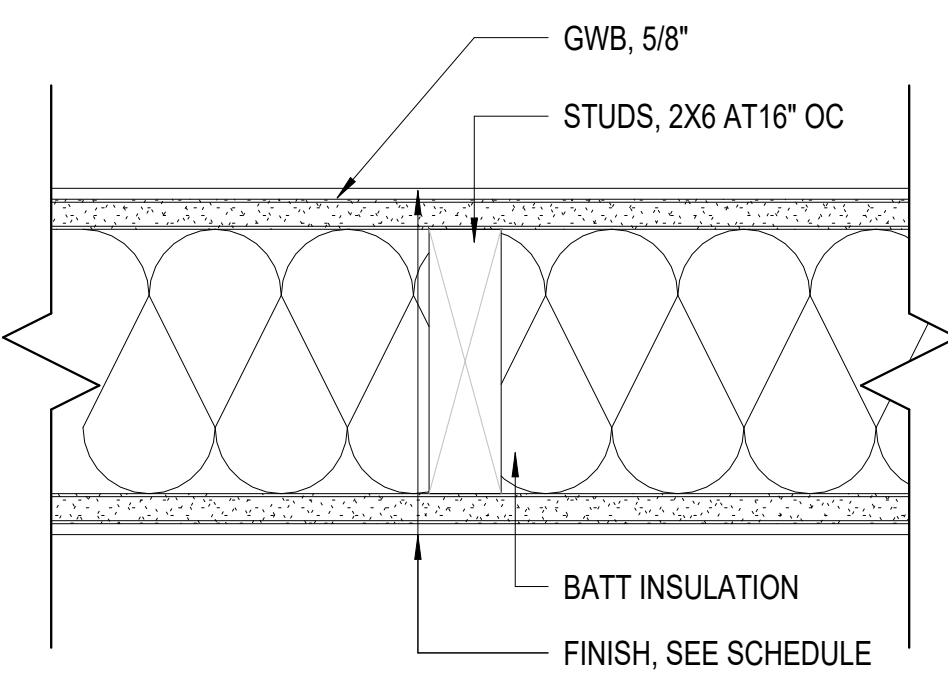
**C-403**

No.	Date	Item

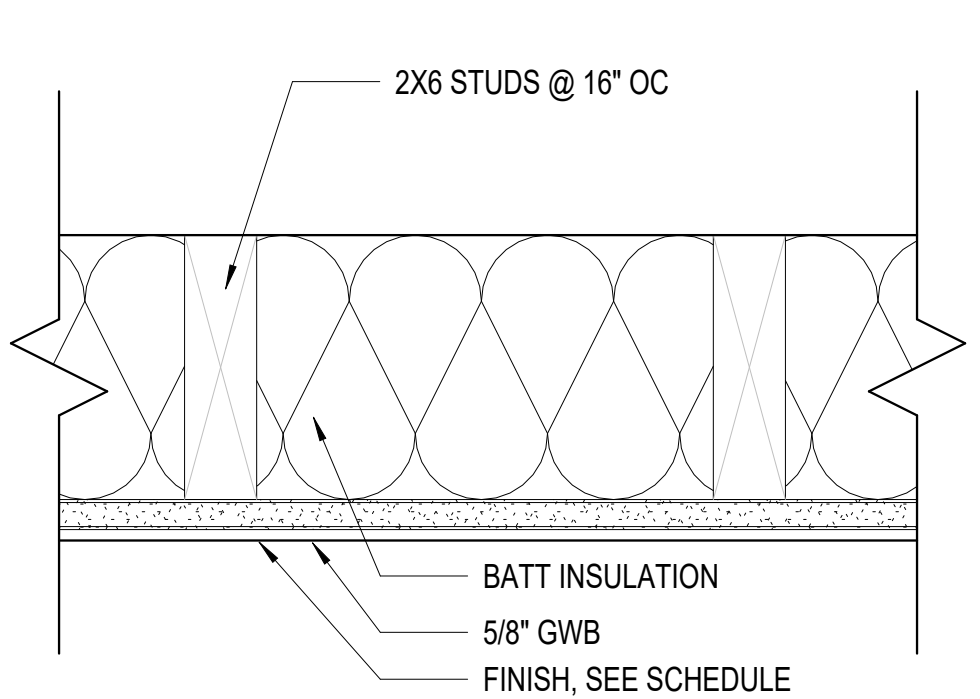
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4/29/2024 4:39:53 PM Y:\NorthWind\Projects\NWA-2336\Skagway Pullen Creek Restroom\1 Design\01 Revit Model\NWA-2336\_Skagway Pullen Creek Restroom\1\ASSEMBLY BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES.

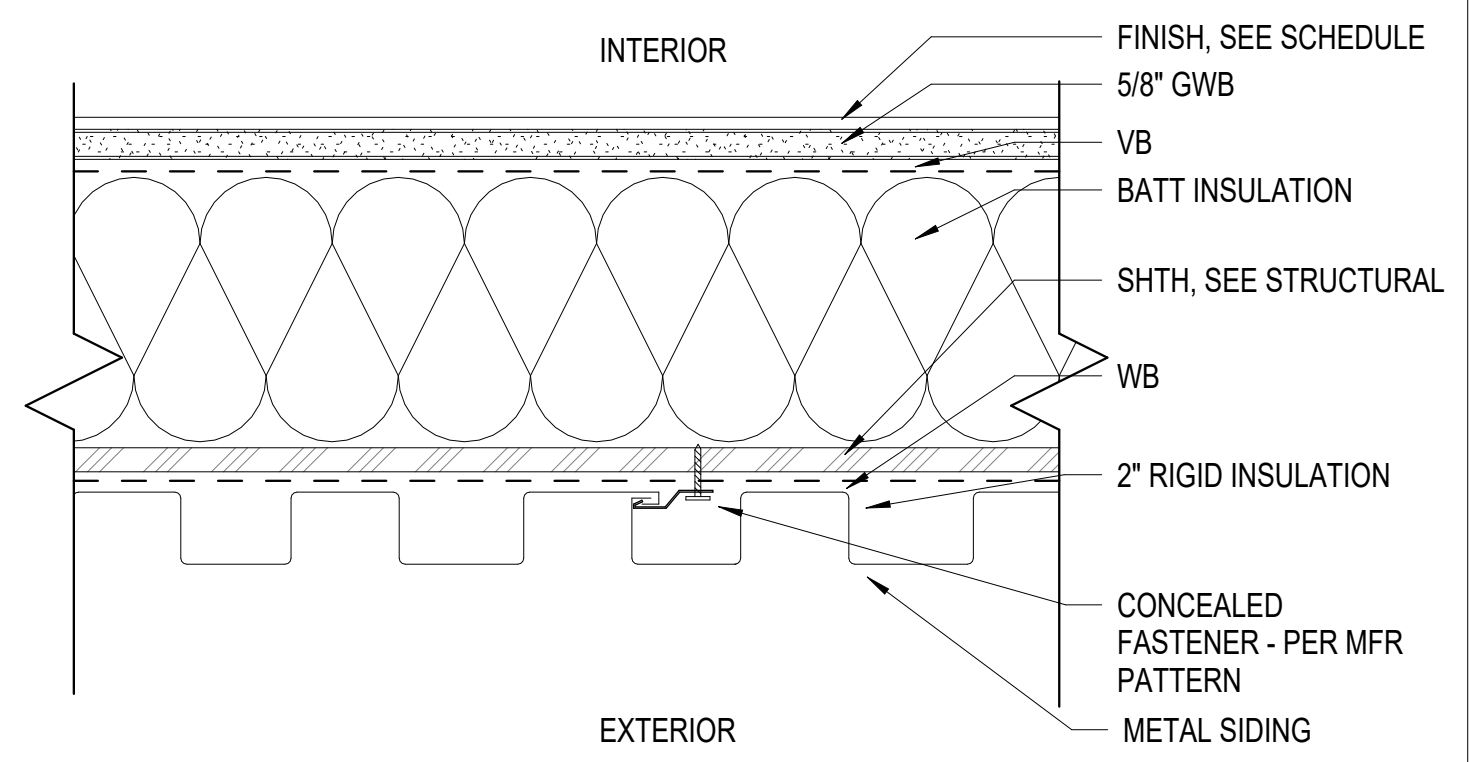
**ASSEMBLIES**



**1 P6 - PARTITION ASSEMBLY**  
A-001 SCALE: 3" = 1'-0"



**2 C6 - CHASE ASSEMBLY**  
A-001 SCALE: 3" = 1'-0"



**3 EW - TYPICAL EXTERIOR WALL**  
A-001 SCALE: 3" = 1'-0"

**CODE SUMMARY**

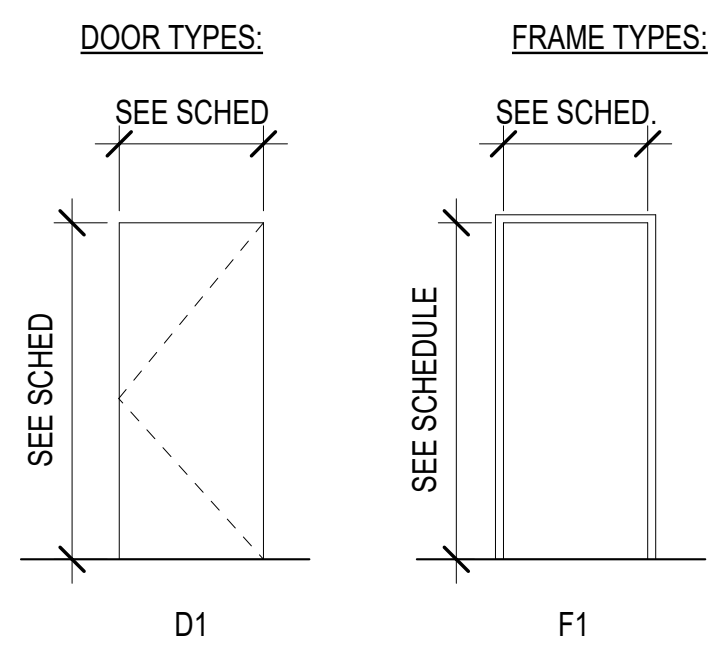
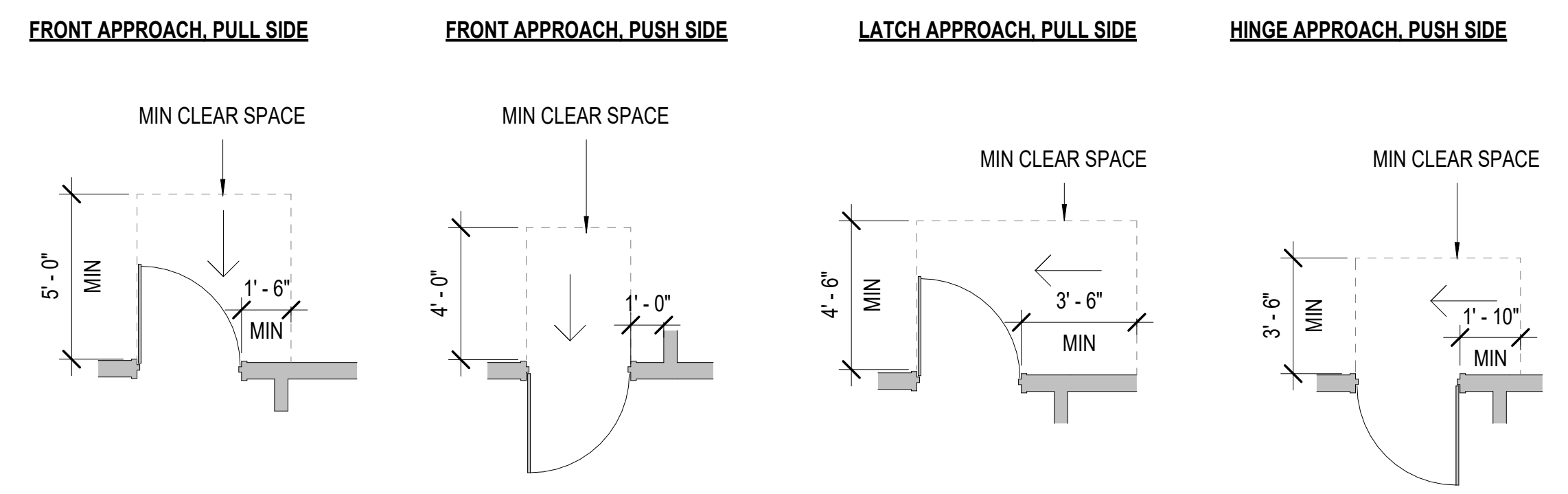
INTERNATIONAL BUILDING CODE:	2021
CONSTRUCTION TYPE:	V-B (NON - SPRINKLERED)
OCCUPANCY TYPE:	U
ALLOWABLE AREA:	5,500 SF
ACTUAL AREA:	842 SF
ALLOWABLE HEIGHT:	40 FT
ACTUAL HEIGHT:	16' 10"

**DOOR SCHEDULE**

NO.	TYPE	DOOR				FRAME				FIRE RATING	HARDWARE GROUP	COMMENTS
		WIDTH	HEIGHT	MAT	FIN	MAT	TYPE	FIN				
100	D1	3'-0"	7'-0"	HM	PNT	HM	F1	PNT	NR	1	KEY PAD	
102	D1	3'-0"	7'-0"	HM	PNT	HM	F1	PNT	NR	1	KEY PAD	
103	D1	3'-0"	7'-0"	HM	PNT	HM	F1	PNT	NR	1	KEY PAD	
104	D1	3'-0"	7'-0"	HM	PNT	HM	F1	PNT	NR	1	KEY PAD	
105	D1	3'-0"	7'-0"	HM	PNT	HM	F1	PNT	NR	1	KEY PAD	
106	D1	3'-0"	7'-0"	HM	PNT	HM	F1	PNT	NR	1	KEY PAD	
107	D1	3'-0"	7'-0"	HM	PNT	HM	F1	PNT	NR	2	KEY PAD	

**ADA NOTES:**

VERIFY FINAL DOOR CLEARANCES ON THE APPROACH SIDE OF THE DOOR PER ICC/ANSI 117.1-2009 AS INDICATED IN THE DIAGRAMS BELOW. NOTIFY ARCHITECT IF CLEARANCES CAN NOT BE ACCOMMODATED.



**GENERAL NOTES:**

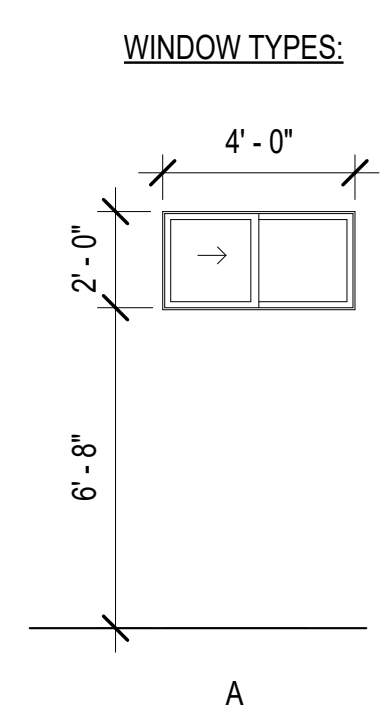
- ALL ROUGH OPENING DIMENSIONS FOR ESTABLISHING FRAME SIZES SHALL BE FIELD VERIFIED BY CONTRACTOR.
- ALL EXTERIOR DOORS PROVIDED WITH WEATHER SEALS.
- ALL HOLLOW METAL DOORS AND FRAMES TO BE MINIMUM G-90 GALVANIZED.
- ALL INSULATED HOLLOW METAL DOORS AND FRAMES TO BE THERMALLY BROKEN (IHM).

**ABBREVIATIONS:**

FF	FACTORY FINISH; COORDINATE WITH SPEC
HM	HOLLOW METAL
IHM	INSULATED HOLLOW METAL
NR	NOT RATED
PNT	PAINT
SEE ELEV	SEE ELEVATION
SEE SPEC	SEE SPECIFICATION

**WINDOW SCHEDULE**

ID	WINDOW			GLAZING TYPE	COMMENT
	WIDTH	HEIGHT	HEAD HEIGHT		
A	4'-0"	2'-0"	8'-8"		Horizontal Slider



**WINDOW TYPES:**

**FINISH SCHEDULE**

NO.	NAME	FLOOR		BASE		WAINSCOT		WALL				CEILING FINISH	COMMENTS
		FIN	MAT	HEIGHT	FINISH	HEIGHT	NORTH	EAST	SOUTH	WEST			
		FIN	FIN	FIN	FIN	FIN	FIN	FIN	FIN				
100	MENS RESTROOM	FAF	RB	6"	WP-1	8'-0"	WP-1/ PNT	WP-1/ PNT	WP-1/ PNT	WP-1/ PNT	GWB/ PNT-1	PNT-2 ABOVE WP-1	
102	ADA SHOWER	FAF	RB	6"	WP-1	10'-0"	WP-1	WP-1 / WP-2	WP-1 / WP-2	WP-1 / WP-2	GWB/ PNT-1		
103	ADA SHOWER	FAF	RB	6"	WP-1	10'-0"	WP-1	WP-1 / WP-2	WP-1 / WP-2	WP-1 / WP-2	GWB/ PNT-1		
104	WOMENS RESTROOM	FAF	RB	6"	WP-1	8'-0"	WP-1/ PNT	WP-1/ PNT	WP-1/ PNT	WP-1/ PNT	GWB/ PNT-1	PNT-2 ABOVE WP-1	
105	ADA SHOWER	FAF	RB	6"	WP-1	10'-0"	WP-1 / WP-2	WP-1 / WP-2	WP-1	WP-1 / WP-2	GWB/ PNT-1		
106	ADA SHOWER	FAF	RB	6"	WP-1	10'-0"	WP-1 / WP-2	WP-1 / WP-2	WP-1	WP-1 / WP-2	GWB/ PNT-1		
107	JANITOR CLOSET	FAF	RB	6"	WP-1	8'-0"	PNT-1	FRP-1/ PNT	FRP-1/ PNT	PNT-1	GWB/ PNT-1		
107-A	CHASE	FAF									GWB/ PNT-1		

**FINISH LEGEND:**

<b>CLG-1 GYPSUM BOARD CEILING:</b> GYPSUM BOARD SECTION 092116	<b>PNT-1 GENERAL PAINT</b> INTERIOR PAINT SECTION 099000 PAINTS AND COATINGS	<b>RB RESILIENT BASE</b> RESILIENT BASE AND ACCESSORIES SECTION 096513
<b>WP-1 WALL PROTECTION PANEL</b> INTERIOR WALL PROTECTION SECTION 102600	<b>PNT-2 ACCENT PAINT</b> INTERIOR PAINT SECTION 099000 PAINTS AND COATINGS	
<b>WP-2 SHOWER SURROUND PANEL</b> SHOWER WALLS SECTION 102200	<b>FAF FLUID APPLIED FLOOR COATING</b> POLYURETHANE PROFESSIONAL FLOOR COATING SECTION 099000 PAINTS AND COATINGS	

**GENERAL NOTES:**

- ALL GWB WALLS AND CEILINGS TO BE PNT-1, UNO.
- IN ALL RESTROOMS AND SHOWER ROOMS INSTALL MOLD-RESISTANT GWB AT ALL CEILINGS AND WALLS.

**ROOM SIGNAGE SCHEDULE**

NAME	NUMBER	COMMENTS
MENS RESTROOM	100	
ADA SHOWER	102	
ADA SHOWER	103	
WOMENS RESTROOM	104	
ADA SHOWER	105	
ADA SHOWER	106	
JANITOR CLOSET	107	
CHASE	107-A	

**ROOM SIGNAGE NOTES:**

- ALL ROOM SIGNS TO MEET ALL REQUIREMENTS PUT FORWARD BY ANSI 117.1 SECTIONS 703.2.1 THROUGH 703.7.2.4
- RESTROOM SIGNAGE: INCLUDE PICTOGRAM, ROOM NAME AND BRAIL. ALL SIZED TO AND DISPLAYED PER ANSI 117.1 SECTION 703

No.	Date	Item
<b>REVISIONS</b>		



**Juneau, AK**  
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AECC 63270



PROJECT: **MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**  
SKAGWAY, AK

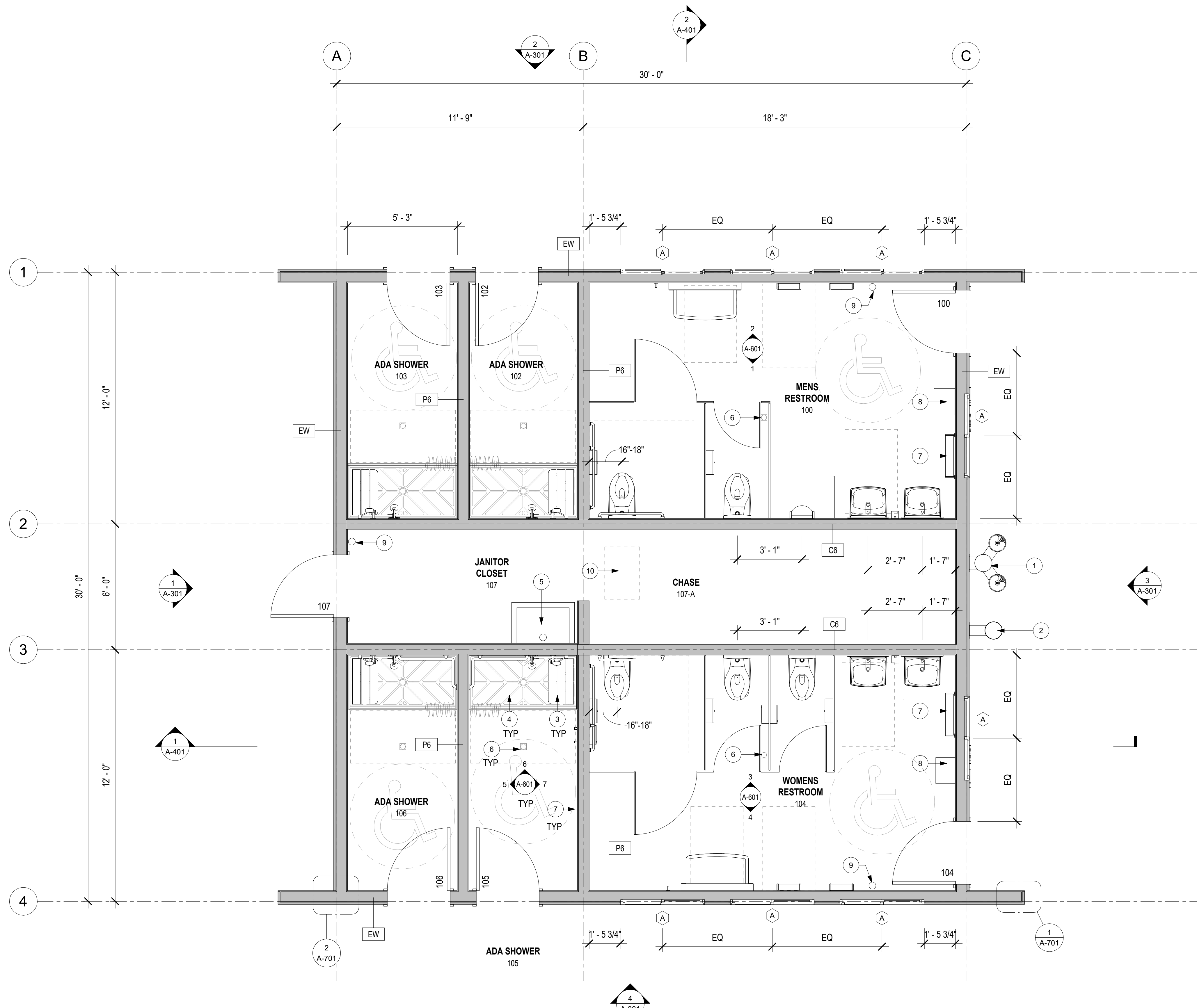
SHEET TITLE: **ASSEMBLIES, CODE REVIEW & SCHEDULES**  
CONSTRUCTION DOCUMENTS

DESIGN	J/B
DRAWN	E/J
CHECKED	J/B
DATE	04/30/2024

PROJECT No. **NWA-2336**  
SHEET NUMBER

**A-001**

4/29/2024 4:39:55 PM Y:\NorthWind\Projects\NWA-2336\Skagway Pullen Creek Restroom\1 Design\01 Revit Model\NWA-2336 Skagway Pullen Creek Restroom\Floor Plans\A-201.dwg 1"=1'-0" SCALE: 3/8" = 1'-0" A-201



**1** FIRST FLOOR PLAN  
A-201 SCALE: 3/8" = 1'-0"

**GENERAL NOTES:**

- CONTRACTOR SHALL FIELD VERIFY ACTUAL BUILDING CONDITIONS AND DIMENSIONS. WHERE DISCREPANCIES OR CONFLICTS ARE FOUND, NOTIFY ARCHITECT PRIOR TO COMMENCING WORK.
- DO NOT SCALE OFF OF DRAWINGS.
- DIMENSIONS ARE TO GRIDLINE, FACE OR CENTER OF FRAMING UNO.
- STRUCTURAL, CIVIL, ELECTRICAL AND MECHANICAL LINE WORK IS DEPICTED FOR REFERENCE ONLY. SEE STRUCTURAL, CIVIL, ELECTRICAL AND MECHANICAL FOR ALL SPECIFIC INFORMATION.
- ALL INTERIOR PARTITIONS ARE TYPE P-6, UNO.
- WHERE DOOR OPENINGS ARE NOT DIMENSIONED, LOCATE DOOR OPENINGS TO ENSURE 3" MIN JAMB FRAMING.
- DIMENSIONS LOCATING OPENINGS ARE TO CENTERLINE OF OPENING, UNO.

**SHEET NOTES:**

- 224000 DRINKING FOUNTAIN
- 224000 BOTTLE FILLER
- 102800 COLLAPSIBLE SHOWER SEAT
- 102116 ROLL-IN SHOWER BASE. RECESS SLAP TO RECEIVE BASE SO THRESHOLD DOES NOT EXCEED ADA REQUIREMENTS.
- 224000 SERVICE SINK
- 221319 FLOOR DRAIN, SEE MECH
- 102800 TOILETRY SHELF
- 102800 WASTE RECEPTACLE
- 104416 FIRE EXTINGUISHER
- 083113 ATTIC ACCESS HATCH, ABOVE

**LEGEND:**

PARTITION

**CONSULTANT:**  
NorthWind Architects, LLC  
126 Seward Street  
Juneau, AK 99801

STATE OF ALASKA  
49TH  
JAMES F.S. BIBB  
A-9849  
REGISTERED PROFESSIONAL ARCHITECT

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AECOC163270

**RESPEC**

PROJECT:  
**MUNICIPALITY OF SKAGWAY PULLEN  
CREEK R/V PARK RESTROOMS**  
SKAGWAY, AK

SHEET TITLE:  
**FLOOR PLAN**

DESIGN JB  
DRAWN EJ  
CHECKED JB  
DATE 04/30/2024

PROJECT No.  
**NWA-2336**  
SHEET NUMBER  
**A-201**

CONSTRUCTION DOCUMENTS

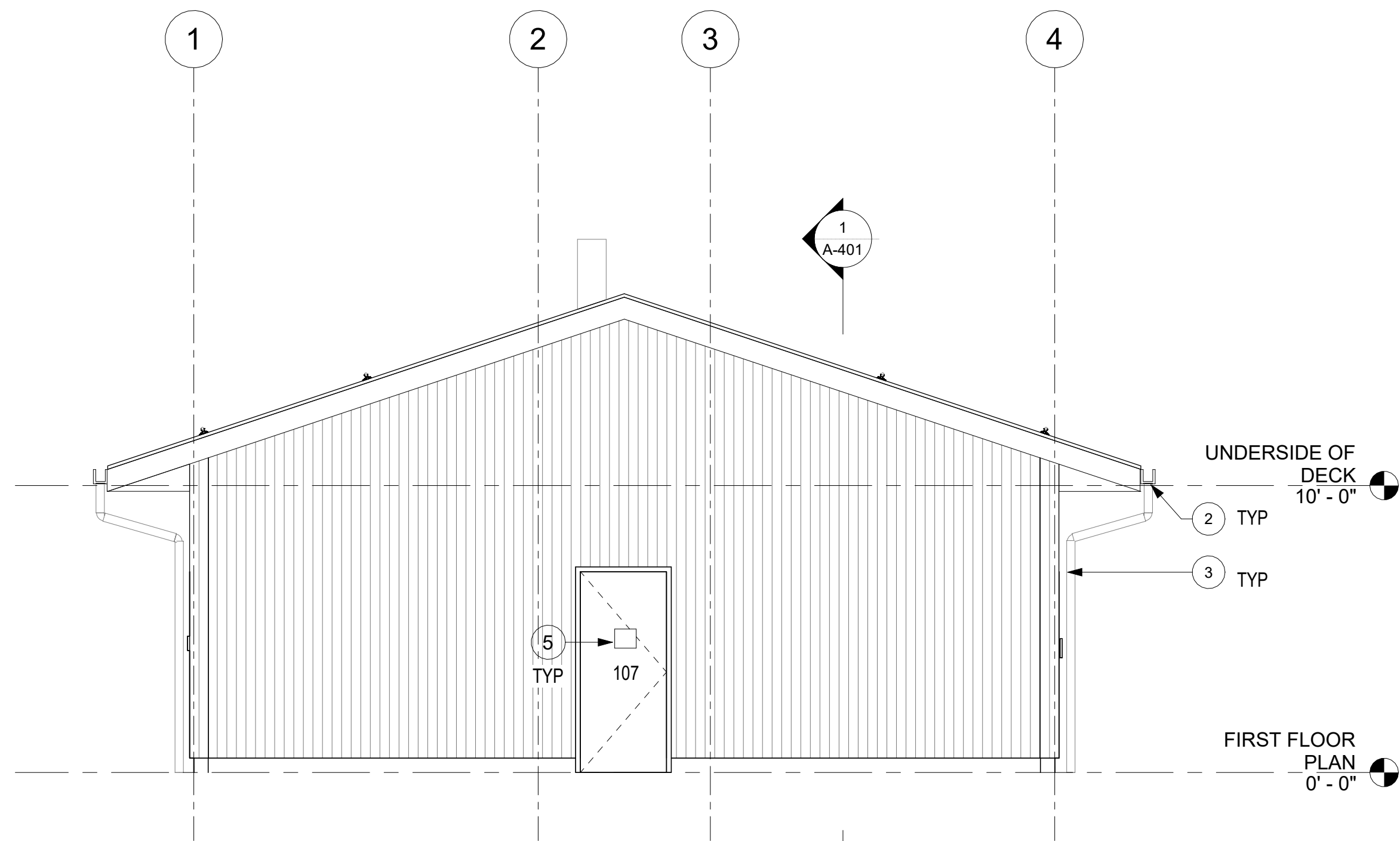
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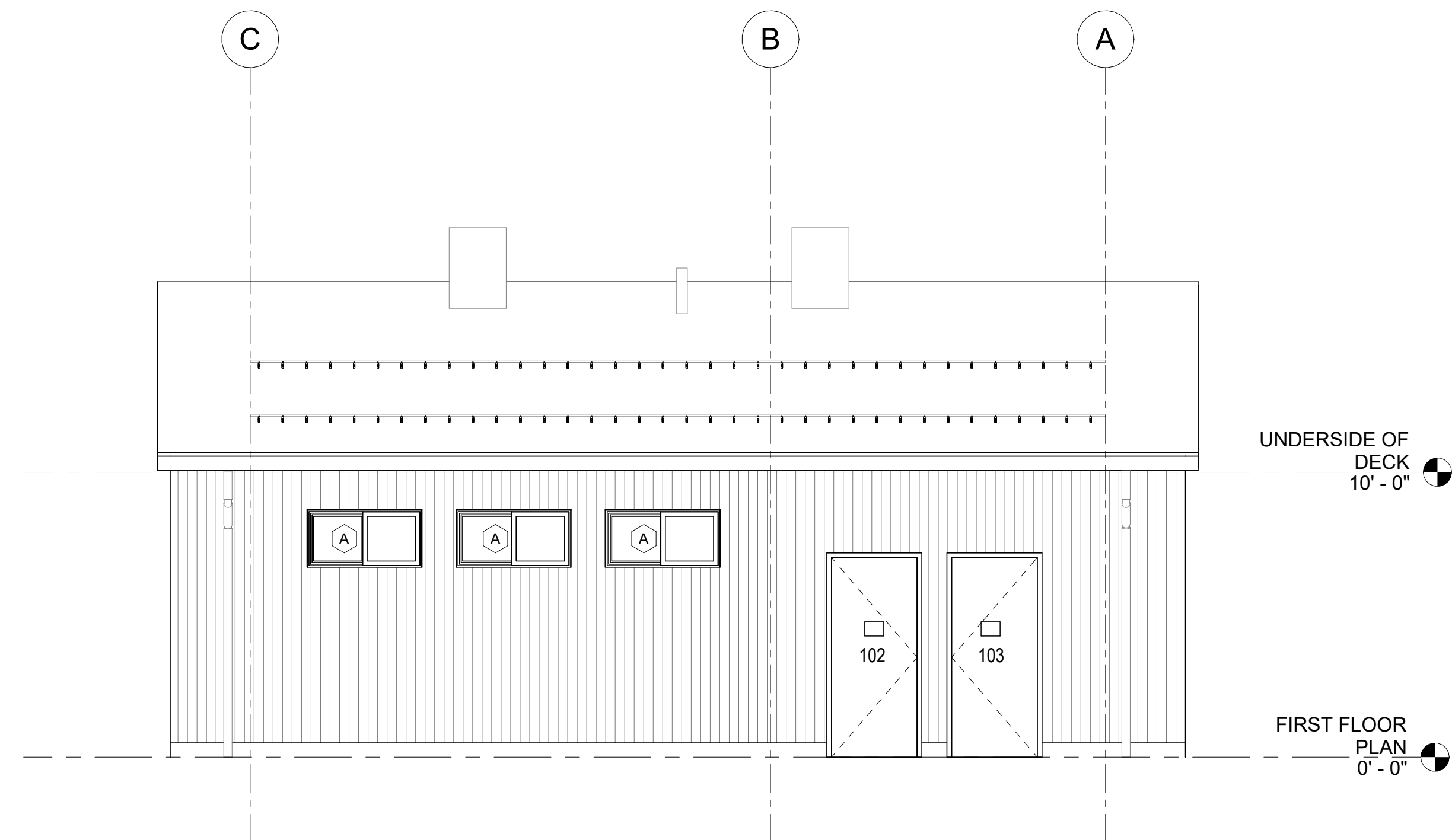




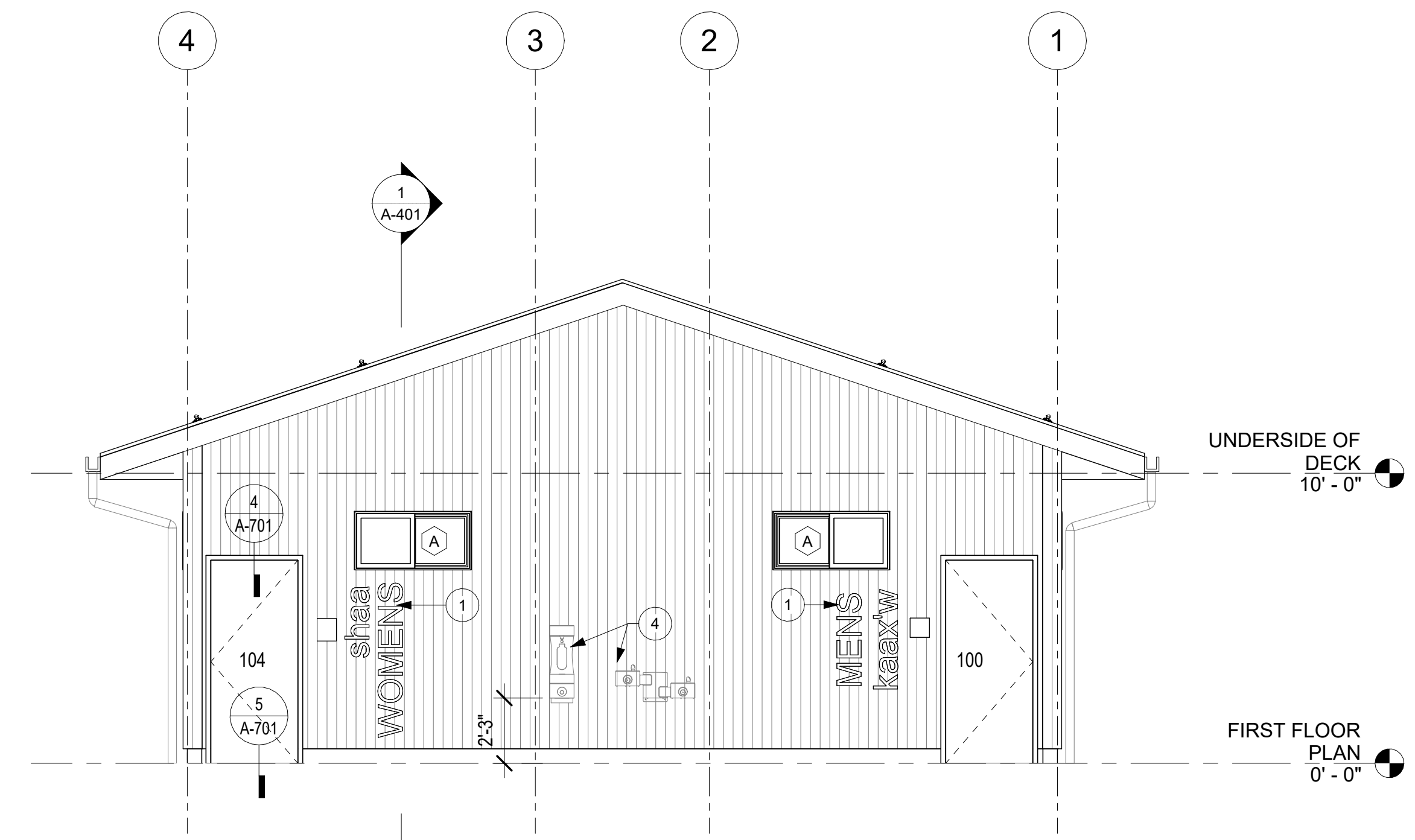
4/29/2024 4:39:59 PM Y:\NorthWind\Projects\NWA-2336 Skagway Pullen Creek Restroom\Drawings\1 Revit Model\NWA-2336 Skagway Pullen Creek Restroom\RESPEC\RESPEC BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES. 1"



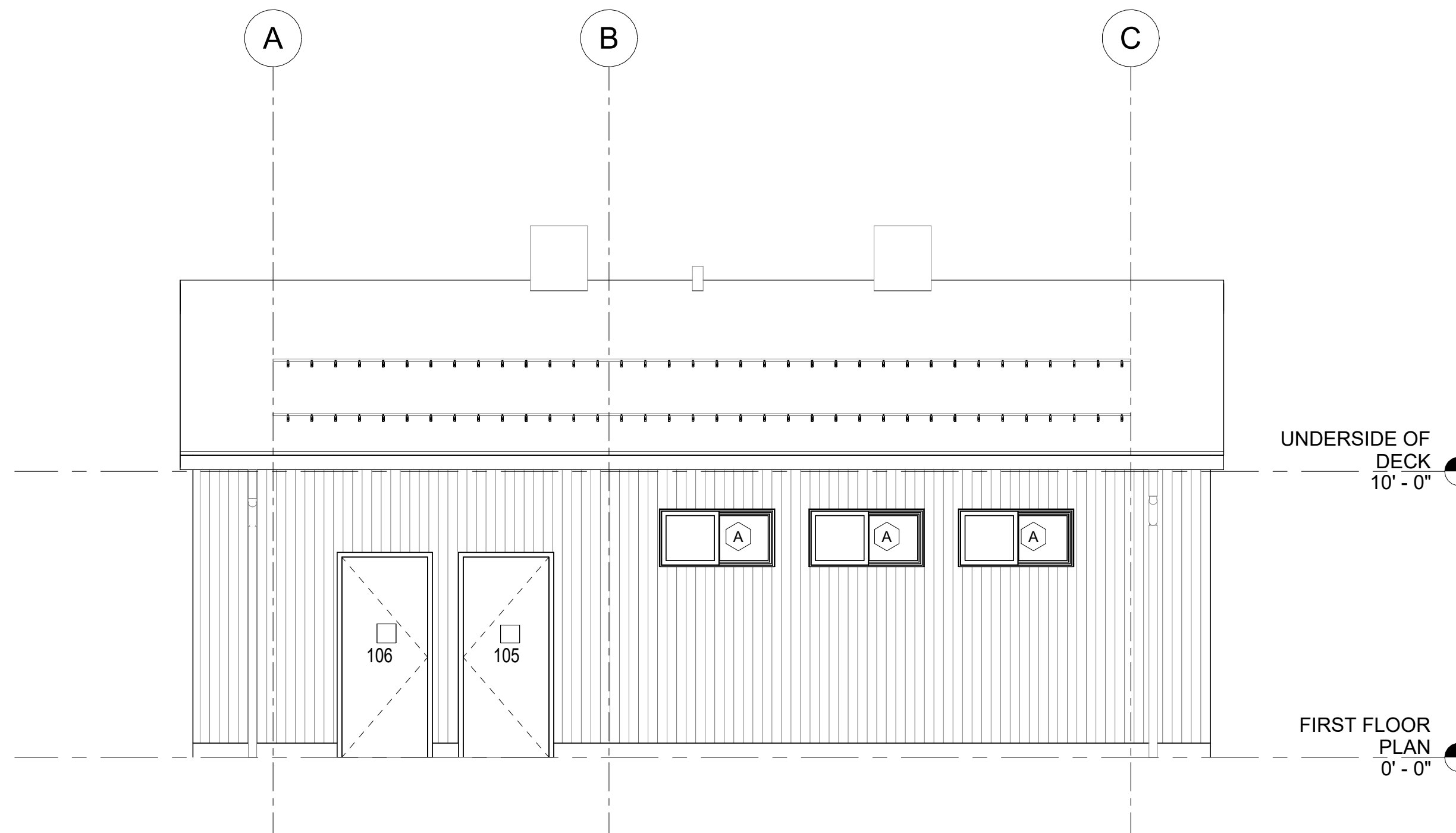
**1** EXTERIOR ELEVATION 01  
A-301 SCALE: 1/4" = 1'-0"



**2** EXTERIOR ELEVATION 02  
A-301 SCALE: 1/4" = 1'-0"



**3** EXTERIOR ELEVATION 03  
A-301 SCALE: 1/4" = 1'-0"



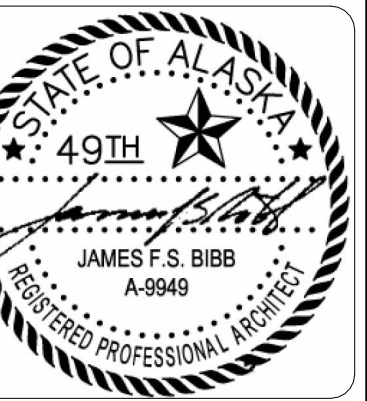
**4** EXTERIOR ELEVATION 04  
A-301 SCALE: 1/4" = 1'-0"

**GENERAL NOTES:**

- CONTRACTOR SHALL FIELD VERIFY ACTUAL BUILDING CONDITIONS AND DIMENSIONS. WHERE DISCREPANCIES OR CONFLICTS ARE FOUND, NOTIFY ARCHITECT PRIOR TO COMMENCING WORK.
- DO NOT SCALE OFF OF DRAWINGS.
- DIMENSIONS ARE TO GRIDLINE, FACE OR CENTER OF FRAMING UNO.
- STRUCTURAL, CIVIL, ELECTRICAL AND MECHANICAL LINE WORK IS DEPICTED FOR REFERENCE ONLY. SEE STRUCTURAL, CIVIL, ELECTRICAL AND MECHANICAL FOR ALL SPECIFIC INFORMATION.
- SECTION DRAWINGS FOR REFERENCE ONLY TO IDENTIFY DATUM AND DETAILS. NOT FOR CONSTRUCTION.

**SHEET NOTES:**

- 101419 DIMENSIONAL LETTERING, 10"
- 076200 METAL GUTTER
- 076200 METAL DOWNSPOUT
- DRINKING FOUNTAIN AND BOTTLE FILLER, INSTALL AT 27" MIN/ MAX ABOVE SIDEWALK TO MEET ADA STANDARDS
- 10 14 23 PANEL SIGNAGE



PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**  
SKAGWAY, AK

SHEET TITLE :  
**BUILDING ELEVATIONS**  
CONSTRUCTION DOCUMENTS

DESIGN	JB
DRAWN	EJ
CHECKED	JB
DATE	04/30/2024

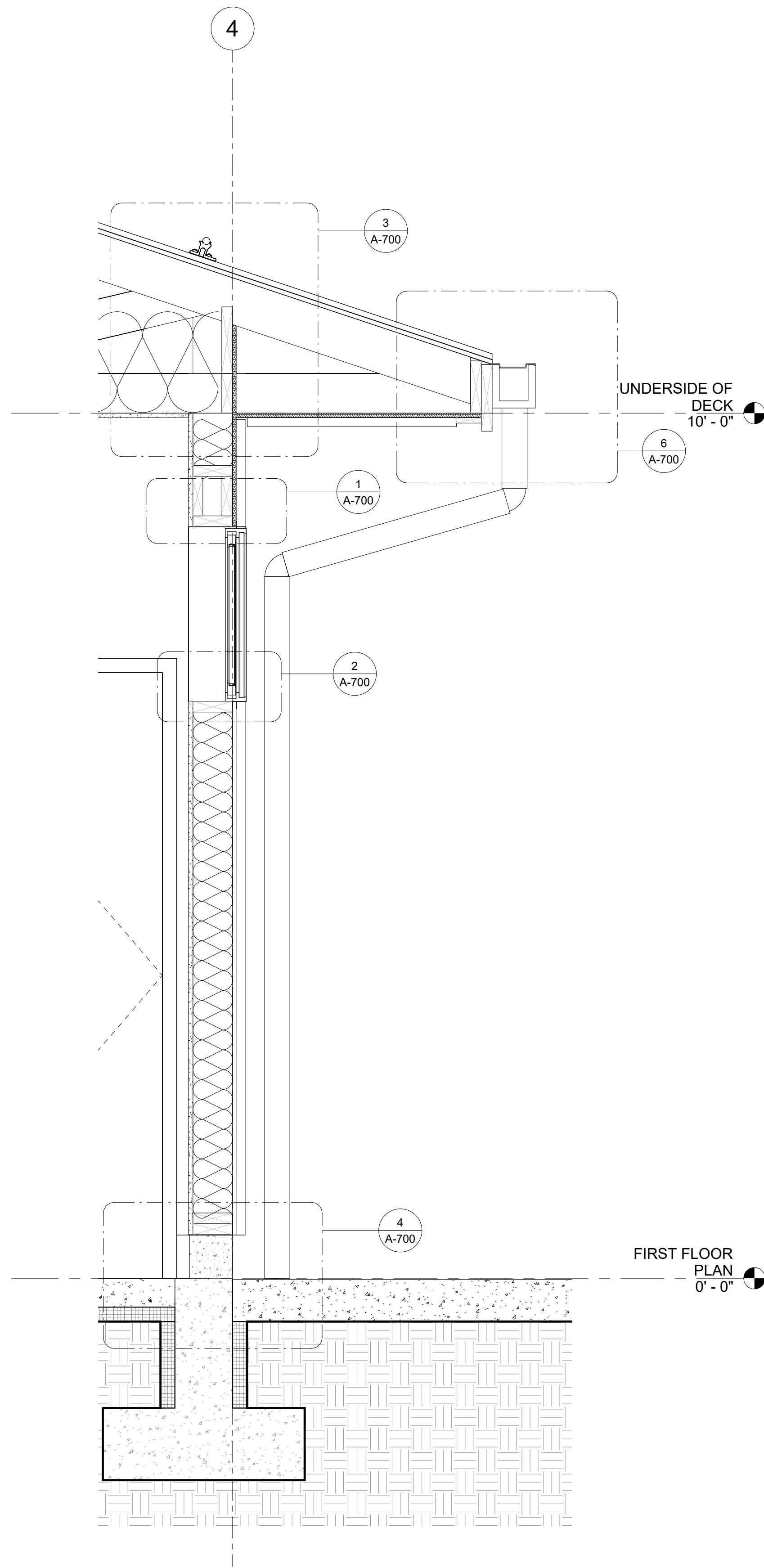
PROJECT No.  
**NWA-2336**  
SHEET NUMBER

**A-301**

No.	Date	Item
REVISIONS		



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**1** WALL SECTION AT WINDOW WALL  
A-500 SCALE: 1" = 1'-0"

**GENERAL NOTES:**

1. CONTRACTOR SHALL FIELD VERIFY ACTUAL BUILDING CONDITIONS AND DIMENSIONS. WHERE DISCREPANCIES OR CONFLICTS ARE FOUND, NOTIFY ARCHITECT PRIOR TO COMMENCING WORK.
2. DO NOT SCALE OFF OF DRAWINGS.
3. DIMENSIONS ARE TO GRIDLINE, FACE OR CENTER OF FRAMING UNO.
4. STRUCTURAL ELEMENTS SHOWN IN ARCHITECTURAL DRAWINGS FOR REFERENCE ONLY. SEE STRUCTURAL DRAWINGS FOR ALL STRUCTURAL INFORMATION.
5. SECTION DRAWINGS FOR REFERENCE ONLY IDENTIFY DATUM AND DETAILS. NOT FOR CONSTRUCTION.



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**PROJECT :**  
MUNICIPALITY OF SKAGWAY PULLEN  
CREEK R/V PARK RESTROOMS  
**SKAGWAY, AK**

**SHEET TITLE :**  
ENLARGED SECTIONS  
CONSTRUCTION DOCUMENTS

DESIGN	JB
DRAWN	EJ
CHECKED	JB
DATE	04/30/2024

PROJECT No.  
**NWA-2336**  
SHEET NUMBER

**A-500**

No.	Date	Item
<b>REVISIONS</b>		









IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES.

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### STRUCTURAL DESIGN DATA

- 1. RISK CATEGORY II
- 2. LIVE LOADS:
  - A. TYPICAL FLOOR 50 PSF
  - B. ROOF 20 PSF
  - C. MECHANICAL ROOMS 100 PSF
- 3. SNOW LOADS:
  - A. GROUND SNOW LOAD  $P_g = 60$  PSF
  - B. EXPOSURE FACTOR  $C_e = 1.0$
  - C. THERMAL FACTOR  $C_t = 1.2$
  - D. IMPORTANCE FACTOR  $I_s = 1.0$
  - E. FLAT ROOF SNOW LOAD  $P_f = 50$  PSF
  - F. SLOPED ROOF SNOW LOAD  $P_s = 50$  PSF
- 4. WIND LOADS:
  - A. WIND SPEED  $V_{ULT} = 123$  MPH
  - B. WIND EXPOSURE CATEGORY C
  - C. INTERNAL PRESSURE COEFFICIENT  $G C_{pi} = \pm 0.18$
- 5. SEISMIC LOADS:
  - A. SEISMIC FORCE RESISTING SYSTEM WOOD SHEAR WALL
  - B. SEISMIC IMPORTANCE FACTOR  $I_e = 1.0$
  - C. SITE CLASS D - DEFAULT
  - D. MAPPED ACCELERATIONS
    - a. SHORT-PERIOD  $S_s = 0.78$
    - b. 1-SECOND  $S_1 = 0.38$
  - E. DESIGN ACCELERATIONS
    - a. SHORT-PERIOD  $S_{DS} = 0.62$
    - b. 1-SECOND  $S_{D1} = 0.62$
  - F. SEISMIC DESIGN CATEGORY D
  - G. RESPONSE MODIFICATION FACTOR  $R = 6.5$
  - H. ANALYSIS PROCEDURE USED ELF
  - I. SEISMIC RESPONSE COEFFICIENT  $C_s = 0.1$
  - J. DESIGN BASE SHEAR  $V = 6.4$  KIP

### STRUCTURAL GENERAL NOTES

1. PERFORM ALL WORK IN COMPLIANCE WITH THE MINIMUM STANDARDS OF THE FOLLOWING CODES:
  - A. THE INTERNATIONAL BUILDING CODE (IBC) 2021 AND ITS REFERENCED STANDARDS, HEREIN REFERRED TO AS "THE CODE" AND OTHER REGULATORY CRITERIA WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK.
2. THE STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. CONSTRUCTION LOADS MUST NOT EXCEED THE DESIGN LIVE LOADS.
3. IF THE STRUCTURAL ENGINEER OF RECORD IS NOT RETAINED BY THE OWNER TO OVERSEE CONSTRUCTION ACTIVITIES, THE STRUCTURAL ENGINEER OF RECORD IS NOT IN RESPONSIBLE CHARGE OF THE CONSTRUCTION PER SECTION 107.3.4 OF THE CODE. CONSTRUCTION ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO, REVIEW OF SPECIAL INSPECTION AND STRUCTURAL OBSERVATION REPORTS, REVIEW OF SUBMITTAL DOCUMENTS, AND REVIEW DELEGATED DESIGN SUBMITTALS.
4. THE FOLLOWING ITEMS ARE PART OF THE LATERAL FORCE RESISTING SYSTEM (LFRS):
  - A. SHEAR WALLS, DIAPHRAGMS, AND ALL ASSOCIATED CONNECTIONS.

### STRUCTURAL FOUNDATION NOTES

1. MINIMUM SOIL PRESSURES BASED ON THE SOIL CHARACTERISTICS DESCRIBED IN THE CIVIL DRAWINGS BY RESPEC. MINIMUM SOIL PRESSURE DETERMINED BY THE IBC 2021 FOR POORLY GRADED GRAVEL.
  - A. ALLOWABLE BEARING PRESSURE:
    - a. CONTINUOUS & SPREAD FOOTINGS 2000 PSF
  - B. LATERAL EARTH PRESSURES (EQUIVALENT FLUID PRESSURE)
    - a. PASSIVE PRESSURE 150 PSF / FT
  - C. STATIC COEFFICIENT OF FRICTION 0.25
2. PLACE PROPERLY COMPACTED STRUCTURAL FILL BELOW ALL FOUNDATION ELEMENTS, UNLESS NOTED OTHERWISE.
3. COMPACT ALL FOOTING SUBGRADES, ALL SLAB SUBGRADES, AND ALL BACKFILL AROUND AND ABOVE ALL FOUNDATION ELEMENTS TO 95 PERCENT OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.
4. REMOVE ALL ORGANIC AND OTHER UNSUITABLE MATERIALS FROM SUBGRADE AND BACKFILL. BACKFILL WITH ACCEPTABLE GRANULAR FILL, COMPACTED TO 95 PERCENT OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.
5. PROVIDE THE DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED AND IS SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS AND UTILITIES IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL SAFETY ORDINANCES.
6. PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY FROST OR ICE FROM PENETRATING ANY FOOTING OR SLAB SUBGRADES BEFORE AND AFTER PLACING OF CONCRETE UNTIL SUCH SUBGRADES ARE FULLY PROTECTED BY THE PERMANENT BUILDING STRUCTURE.
7. PLACE THE CONCRETE FOR EACH FOOTING IN ONE CONTINUOUS PLACEMENT.
8. DO NOT COMMENCE CONSTRUCTION OF FOUNDATION ELEMENTS UNTIL ALL SEASONAL FROST HAS THAWED OR BEEN REMOVED.

### STRUCTURAL CONCRETE NOTES

1. PERFORM ALL CONCRETE WORK IN ACCORDANCE WITH CHAPTER 19 OF THE IBC, AND ALL REFERENCED STANDARDS.
2. USE NORMAL WEIGHT (150 PCF) CAST-IN-PLACE CONCRETE WITH 28 DAY COMPRESSIVE STRENGTHS ( $F'_c$ ) AS FOLLOWS:

CONDITION	STRENGTH (PSI)	EXPOSURE CATEGORY	W/C RATIO	AIR ENTRAINMENT
FOUNDATIONS	4,500	F2, S0, C1	0.45	4% - 7%
SLAB-ON-GRADES	4,500	F0, S0, C0	0.45	0%

3. CONCRETE MATERIAL REQUIREMENTS:
  - A. USE PORTLAND CEMENT CONFORMING TO ASTM STANDARD C-150 AND TYPE I OR III, UNLESS NOTED OTHERWISE.
  - B. USE NORMAL WEIGHT AGGREGATE OF NATURAL SAND AND ROCK CONFORMING TO THE REQUIREMENTS AND TESTS OF ASTM C-33.
  - C. USE AN AIR ENTRAINING ADMIXTURE CONFORMING TO ASTM C-260 IN ALL CONCRETE PERMANENTLY EXPOSED TO THE WEATHER.
4. REINFORCING MATERIAL REQUIREMENTS:
  - A. USE DEFORMED REINFORCING BARS CONFORMING TO THE STANDARDS OF ASTM A615, GRADE 60. WHERE WELDING OF REINFORCING BARS OCCURS, USE ASTM A706 GRADE 60.
5. PROVIDE DOWELS, WHERE REQUIRED, THAT MATCH THE SIZE AND NUMBER OF MAIN REINFORCING.
6. SPLICE REINFORCING BARS WHERE INDICATED ON THE DRAWINGS. LAP HORIZONTAL REINFORCING AT CORNERS AND INTERSECTIONS. STAGGER ALL SPLICES UNLESS NOTED OTHERWISE. IF SPLICE LOCATIONS ARE NOT SPECIFICALLY INDICATED, VERIFY PLANNED LOCATION WITH THE EOR.
7. DETAIL, FABRICATE, LABEL, SUPPORT, AND SPACE ALL CONCRETE REINFORCEMENT CONFORMING TO THE PROCEDURES AND REQUIREMENTS OF THE LATEST EDITION OF CHAPTER 19 OF THE CODE, ACI 318, AND THE "ACI DETAILING MANUAL: DETAILS AND DETAILING CONCRETE REINFORCEMENT", ACI 315.
8. PROVIDE A MINIMUM CONCRETE COVER OVER REINFORCING OF:
  - A. 3" FOR CONCRETE CAST AGAINST THE EARTH.
  - B. 1 1/2" FOR BARS EXPOSED TO WEATHER AND BEAMS AND COLUMNS.
  - C. 3/4" FOR INTERIOR SLABS.

### STRUCTURAL CONCRETE NOTES (CONTINUED)

9. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF SHORING THE DESIGN, REMOVAL, AND RESHORING OF FORMWORK MUST CONFORM TO ACI 318, AND IS THE RESPONSIBILITY OF THE CONTRACTOR.
10. PROVIDE CONCRETE WITH A MAXIMUM SLUMP OF 8 INCHES WITH VERIFIED SLUMP OF 3 INCHES  $\pm$  1 INCH BEFORE ADDING HIGH-RANGE WATER REDUCING OR PLASTICIZING ADMIXTURES AT THE PROJECT SITE.
11. SUBMIT THE FOLLOWING TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL:
  - A. CONCRETE MIX DESIGN DATA FOR EACH TYPE AND COMPRESSIVE STRENGTH OF CONCRETE REQUIRED. BASE MIX DESIGNS ON FIELD EXPERIENCE, TRIAL MIXTURES, OR BOTH, IN CONFORMANCE WITH ACI 318. MIX DESIGNS MUST BE SIGNED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER.
  - B. REINFORCING BAR SHOP DRAWINGS, CONTAINING ALL REINFORCING DETAILS, SPACING, PLACEMENT, AND PLANNED CONSTRUCTION JOINTS. PREPARE SHOP DRAWINGS IN CONFORMANCE WITH ACI 315.
12. MAINTAIN CONCRETE ABOVE 50 DEGREES FAHRENHEIT AND IN A MOIST CONDITION FOR A MINIMUM OF SEVEN DAYS AFTER PLACEMENT UNLESS OTHERWISE NOTED.
13. CONCRETE CURING REQUIREMENTS:
  - A. MAINTAIN CONCRETE ABOVE 50 DEGREES FAHRENHEIT AND IN A MOIST CONDITION FOR A MINIMUM OF SEVEN DAYS AFTER PLACEMENT UNLESS OTHERWISE NOTED.
  - B. WHEN THE TEMPERATURE IS EXPECTED TO FALL BELOW 40 DEGREES F FOR THREE CONSECUTIVE DAYS, COMPLY WITH ACI 306.1. DO NOT USE FROZEN MATERIALS, MATERIALS CONTAINING ICE OR SNOW, OR CALCIUM CHLORIDE, SALT, OR OTHER MATERIALS CONTAINING ANTIFREEZE AGENTS OR CHEMICAL ACCELERATORS. A TEMPERATURE OF 50 DEGREES FAHRENHEIT MUST BE MAINTAINED DURING CURING VIA USE OF TENTING OR OTHER ACCEPTABLE ENCLOSURES.

### STRUCTURAL CONCRETE ANCHOR NOTES

1. USE POST INSTALLED ANCHORS AS INDICATED ON THE DRAWINGS. ANY SUBSTITUTION MUST BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL.
2. MEET THE MINIMUM EMBEDMENT, EDGE DISTANCE AND SPACING REQUIREMENTS OF THE APPLICABLE ICC-ES REPORT FOR POST INSTALLED CONCRETE ANCHORS AND INSERTS.
3. DO NOT CUT OR DAMAGE EXISTING REINFORCING STEEL WHEN PLACING POST INSTALLED ANCHORS INTO EXISTING CONCRETE.
4. DO NOT SUBSTITUTE CAST-IN-PLACE BOLTS AND RODS WITH POST-INSTALLED ANCHORS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD.
5. USE HOT-DIPPED GALVANIZED OR STAINLESS ANCHORS WHEN EXPOSED TO EXTERIOR OR DAMP CONDITIONS, IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
6. INSTALL AND TEST POST INSTALLED ANCHORS IN ACCORDANCE WITH CHAPTER 17 OF THE CURRENT IBC CODE AND THE APPLICABLE ICC-ES REPORT.
7. PERFORM ALL TESTING IN THE PRESENCE OF THE PROJECT INSPECTOR OF RECORD.

### STRUCTURAL DELEGATED DESIGN NOTES

1. THE DESIGN OF THE FOLLOWING ELEMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR:
  - A. ALL ARCHITECTURAL, MECHANICAL AND ELECTRICAL EQUIPMENT BRACING AND ANCHORAGE TO THE STRUCTURE.
  - B. ROOF TRUSSES AND MANUFACTURED BRACE PANELS, SEE DESIGN REQUIREMENTS ON S-003.
2. PROVIDE SUBMITTALS TO THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD FOR REVIEW.
3. SUBMITTALS MUST INCLUDE DRAWINGS AND CALCULATIONS SEALED BY A CIVIL OR STRUCTURAL ENGINEER LICENSED IN THE STATE OF ALASKA.

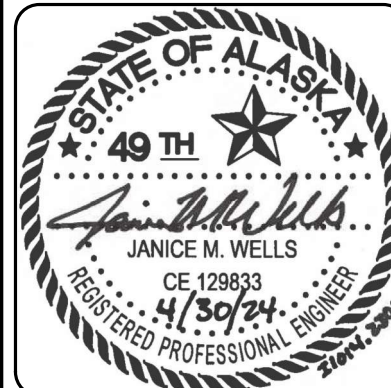
### STRUCTURAL WOOD NOTES

1. PERFORM ALL WORK STRUCTURAL WOOD WORK IN CONFORMANCE WITH CHAPTER 23 OF THE IBC, AND ALL REFERENCED STANDARDS.
2. USE CONVENTIONAL FRAMING MATERIALS MEETING OR EXCEEDING THE FOLLOWING MINIMUM REQUIREMENTS:

USE	DIMENSIONS	SPECIES	GRADE	Fb (PSI)
LIGHT FRAMING	2x4	DOUG-FIR	STD	575
WALL STUDS	2x6	DOUG-FIR	No. 2	900

- A. USE VISUALLY GRADED OR MACHINE STRESS RATED LUMBER IN ACCORDANCE WITH THE LATEST EDITIONS OF THE WEST COAST LUMBER INSPECTION BUREAU (WCLIB) TECHNICAL PUBLICATION NO. 17 OR THE WESTERN WOOD PRODUCTS ASSOCIATION (WWPA) "WESTERN LUMBER GRADING RULES (G5)".
3. PLYWOOD MATERIAL AND CONSTRUCTION REQUIREMENTS:
  - A. USE APA-RATED DOUG-FIR PLYWOOD SHEATHING, EXTERIOR GRADE.
  - B. USE PLYWOOD PANELS (SHEATHING) CONFORMING TO THE REQUIREMENTS OF THE LATEST EDITION OF "U.S. PRODUCT STANDARDS PS-1 & PS-2 FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD." EACH PANEL MUST BEAR THE APA GRADE TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION.
  - C. INSTALL ALL PLYWOOD WITH THE LONG DIMENSION OF THE PANEL ACROSS SUPPORTS, UNLESS NOTED OTHERWISE, WITH THE PANEL OVER TWO OR MORE SPANS. ALLOW 1/8 INCH SPACING AT PANEL ENDS AND 1/4 INCH AT PANEL EDGES, UNLESS OTHERWISE RECOMMENDED BY THE PANEL MANUFACTURER.
  - D. FASTEN PLYWOOD FLOOR PANELS TO FLOOR FRAMING WITH GLUE AND NAILS, PER THE PLANS. USE ONLY ADHESIVES CONFORMING TO APA SPECIFICATION AFG-01, APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. IF NON VENEER PANELS WITH SEALED SURFACES AND EDGES ARE TO BE USED, USE ONLY SOLVENT-BASED GLUES; CHECK WITH PANEL MANUFACTURER.
4. USE CONNECTION HARDWARE MEETING THE FOLLOWING REQUIREMENTS, UNLESS NOTED OTHERWISE ON PLANS:
  - A. USE BOLTS CONFORMING TO ASTM A307 WITH STANDARD WASHERS UNDER ALL BOLT HEADS AND NUTS CONTACTING WOOD.
  - B. USE COMMON WIRE NAILS OF SIZES NOTED ON DRAWINGS. IF ALTERNATIVE FASTENERS ARE DESIRED, THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING A SCHEDULE OF SUBSTITUTIONS, SHOWING EQUIVALENT FASTENER STRENGTHS.
  - C. WHERE FASTENERS ARE IN CONTACT WITH TREATED WOOD, USE HOT-DIPPED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE, OR COPPER FASTENERS, OR AS REQUIRED BY THE WOOD TREATMENT MANUFACTURER.
  - D. USE STAINLESS STEEL ANCHORS CONFORMING TO 304 OR 316, AT ALL BELOW GRADE LOCATIONS.
5. DO NOT FIELD CUT STRUCTURAL WOOD MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT THE PRIOR REVIEW OF THE ENGINEER.
6. DO NOT USE WOOD TREATMENTS OR PRESERVATIVES WITHOUT SUBMITTAL AND REVIEW BY THE ENGINEER OF RECORD.
7. PROVIDE TREATED WOOD IN ACCORDANCE WITH THE CODE FOR ALL LEDGERS, PLATES, SILLS, AND NAILERS IN CONTACT WITH CONCRETE, OR WITHIN 6" OF THE GROUND.
8. APPLY A MINIMUM OF ONE COAT OF END SEALER IMMEDIATELY AFTER TRIMMING GLULAM FRAMING IN EITHER SHOP OR FIELD.

CONSULTANT :



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 AECOC63270

PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**  
 SKAGWAY, AK

SHEET TITLE :  
**GENERAL NOTES**  
 CONSTRUCTION DOCUMENTS

DESIGN	ZJM
DRAWN	DJM
CHECKED	JMW
DATE	04/30/2024

PROJECT No.  
**11014.23011**  
 SHEET NUMBER

# S-001

No.	Date	Item
<b>REVISIONS</b>		

1" IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION. AFFECTING ALL LABELED SCALES

4/30/2024 10:11:35 AM AutoCAD Doc: //1014.23011 - MOS Pullen Creek R/V Park Restroom\NF-STRU\1014.23011\_RV23.dwg

### SPECIAL INSPECTION NOTES

- ALL SPECIAL INSPECTIONS AND REPORTING REQUIREMENTS PER SECTION 1704 OF THE IBC AND REFERENCED STANDARDS, INCLUDING THE TASKS OUTLINED IN THE TABLES ON THIS SHEET, SHALL BE PROVIDED.
- THE OWNER OR OWNER'S AGENT, OTHER THAN THE CONTRACTOR, SHALL EMPLOY QUALIFIED AGENCIES TO PROVIDE SPECIAL INSPECTION AND TESTS FOR THE WORK SPECIFIED IN SECTION 1705 OF THE IBC. SPECIAL INSPECTION AGENCIES SHALL BE QUALIFIED PER 1704.2.1 OF THE IBC.
- THE SPECIAL INSPECTORS SHALL, AT A MINIMUM, PROVIDE SPECIAL INSPECTION REPORTS TO THE BUILDING OFFICIAL, OWNER OR OWNER'S AUTHORIZED AGENT, ARCHITECT, AND THE ENGINEER OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE NOTICE OF THE CONTRACTOR, OWNER OR OWNER'S AUTHORIZED AGENT, ARCHITECT, AND THE ENGINEER OF RECORD.
- THE SPECIAL INSPECTORS SHALL SUBMIT A FINAL SIGNED REPORT DOCUMENTING ALL SPECIAL INSPECTIONS AND TESTS, AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS OR TESTS.
- QUALITY ASSURANCE AS REQUIRED BY TABLES ON THIS SHEET SHALL BE THE RESPONSIBILITY OF THE OWNER'S REPRESENTATIVE. QUALITY CONTROL AS REQUIRED BY THE SPECIAL INSPECTION SCHEDULES SHALL BE PROVIDED BY THE FABRICATOR AND/OR ERECTOR.
- THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 48 HOURS OF ADVANCE NOTICE PRIOR TO A REQUIRED SPECIAL INSPECTION AND PROVIDE ACCESS TO THE SITE AS REQUIRES FOR THE SPECIAL INSPECTOR TO COMPLETE THEIR WORK.
- THE COST OF ANY REINSPECTION REQUIRED DUE TO CONSTRUCTION ERROR IS THE RESPONSIBILITY OF THE CONTRACTOR.
- DEFINITIONS:
  - FREQUENCY
    - P - PERIODIC
    - C - CONTINUOUS

TABLE 1 - REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS		
REFERENCE IBC TABLE 1705.6 AND THE REFERENCED GEOTECHNICAL REPORT		
TYPE		FREQUENCY
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		P
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		P
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.		P
4. DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.		C
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		P

TABLE 2 - REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION		
REFERENCE IBC TABLE 1705.3 AND ASSOCIATED SECTIONS FROM ACI 318-19		
TYPE		FREQUENCY
1. INSPECT REINFORCEMENT AND VERIFY PLACEMENT.		P
2. INSPECT ANCHORS CAST IN CONCRETE.		P
3. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. <ol style="list-style-type: none"> <li>ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.</li> <li>MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.</li> </ol>	C	
4. VERIFY USE OF REQUIRED DESIGN MIX.		P
5. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.		C
6. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		P
7. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		P

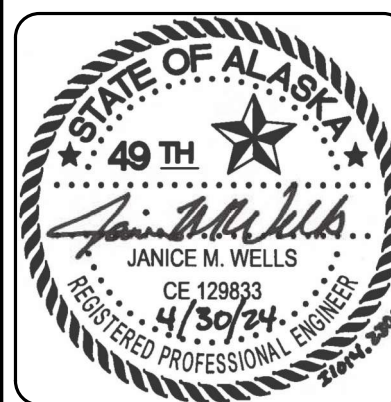
TABLE 3 - REQUIRED SPECIAL INSPECTIONS AND TESTS OF WOOD CONSTRUCTION		
REFERENCE IBC SECTION, 1705.12.1 AND 1705.13.2		
VERIFICATION AND INSPECTION		FREQUENCY
1. VISUAL INSPECTION OF ANCHOR BOLTS AND HOLDDOWNS.		P
2. VISUAL INSPECTION OF SHEAR WALL FRAMING AND FASTENING.		P
3. VISUAL INSPECTION OF SHEAR WALL SHEATHING AND FASTENING.		P
4. VISUAL INSPECTION OF DIAPHRAGM SHEATHING AND FASTENING.		P

### STRUCTURAL ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS USED.

@	AT
AB	ANCHOR BOLT
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
ASD	ALLOWABLE STRENGTH DESIGN
AWW	ALL WEATHER WOOD
BET / BTWN	BETWEEN
BLKG	BLOCKING
BM	BEAM
BOF	BOTTOM OF FOOTING
BOT	BOTTOM
CANT	CANTILEVER
CJ	CONTROL JOINT
CL	CENTERLINE
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
CONTR'S	CONTRACTORS
DBL	DOUBLE
DIA / DIAM / Ø	DIAMETER
DIAG	DIAGONAL
DICA	DRILLED IN CONCRETE ANCHOR
DIM	DIMENSION
DWG	DRAWING
(E)	EXISTING
EA	EACH
EJ	EXPANSION JOINT
ELEV	ELEVATION
ELF	EQUIVALENT LATERAL FORCE PROCEDURE
EOR	ENGINEER OF RECORD
EQ	EQUAL
EQUIV	EQUIVALENT
ES	EQUALLY SPACED
EW	EACH WAY
FDN	FOUNDATION
FF	FINISH FLOOR
FTG	FOOTING
GALV	GALVANIZED
GLB	GLULAM BEAM
GWB	GYPSUM WALL BOARD
HD	HOLDDOWN
H / HORIZ	HORIZONTAL
IBC	INTERNATIONAL BUILDING CODE
INSUL	INSULATION
INT	INTERIOR
JT	JOINT
LOC	LOCATION
LONG	LONGITUDINAL
MANUF	MANUFACTURER
MATL	MATERIAL
MECH	MECHANICAL
MOS	MUNICIPALITY OF SKAGWAY
MPH	MILES PER HOUR
MTL	METAL
(N)	NEW
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OPP	OPPOSITE HAND
OSB	ORIENTED STRAND BOARD
PL	PLATE
PLY	PLYWOOD
PT	PRESSURE TREATED
REF	REFERENCE
REINF	REINFORCEMENT
REQ'D	REQUIRED
RO	ROUGH OPENING
SCH / SCHED	SCHEDULE
SIM	SIMILAR
SFRS	SEISMIC FORCE RESISTING SYSTEM
SOG	SLAB-ON-GRADE
SQ	SQUARE
STD	STANDARD
STR / STRUCT	STRUCTURAL
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
TOC	TOP OF CONCRETE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V / VERT	VERTICAL
W/	WITH

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PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**  
 SKAGWAY, AK

SHEET TITLE :  
**SPECIAL INSPECTIONS**  
 CONSTRUCTION DOCUMENTS

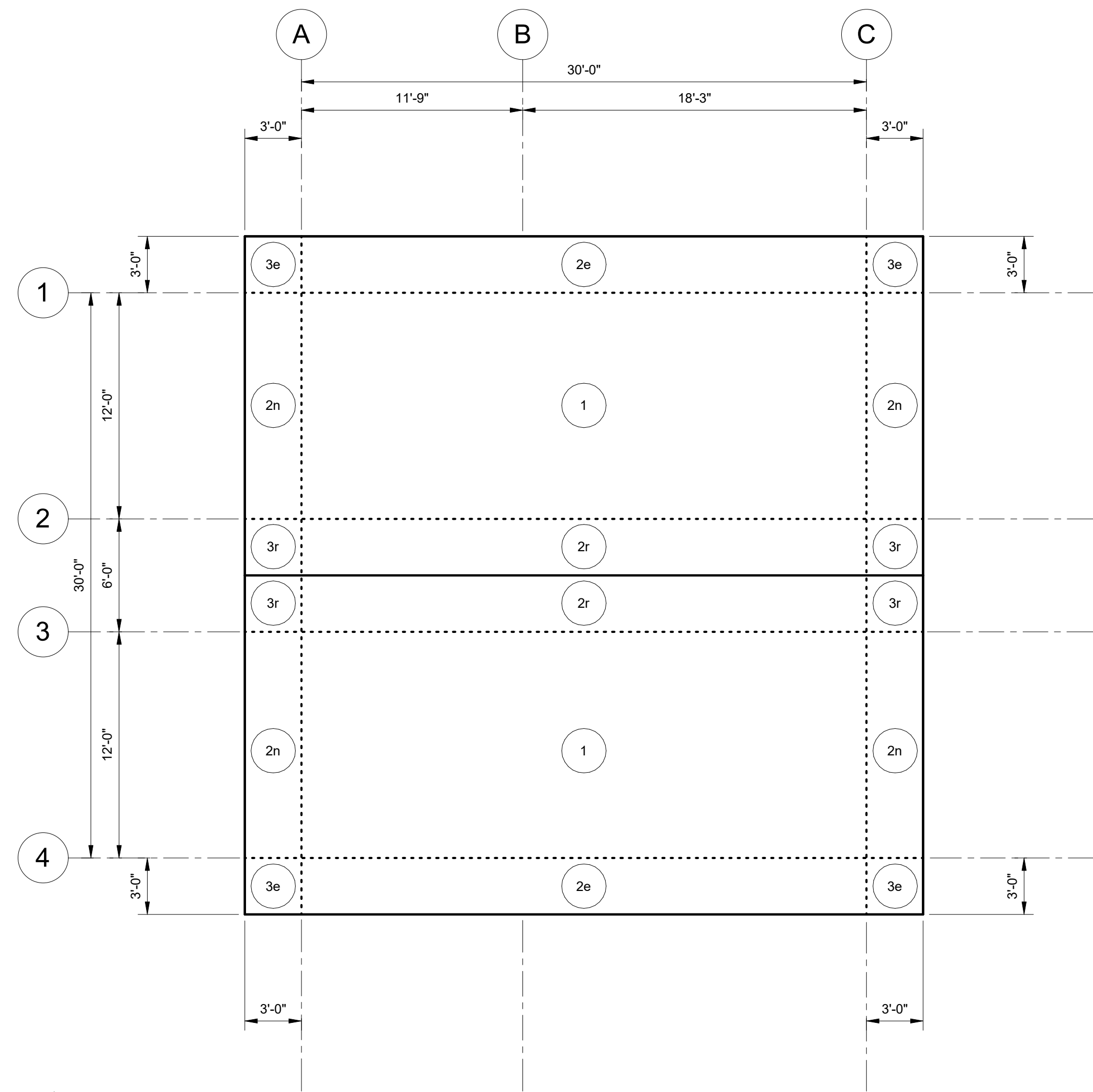
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DRAWN	DJM
CHECKED	JMW
DATE	04/30/2024

PROJECT No.  
**I1014.23011**  
 SHEET NUMBER

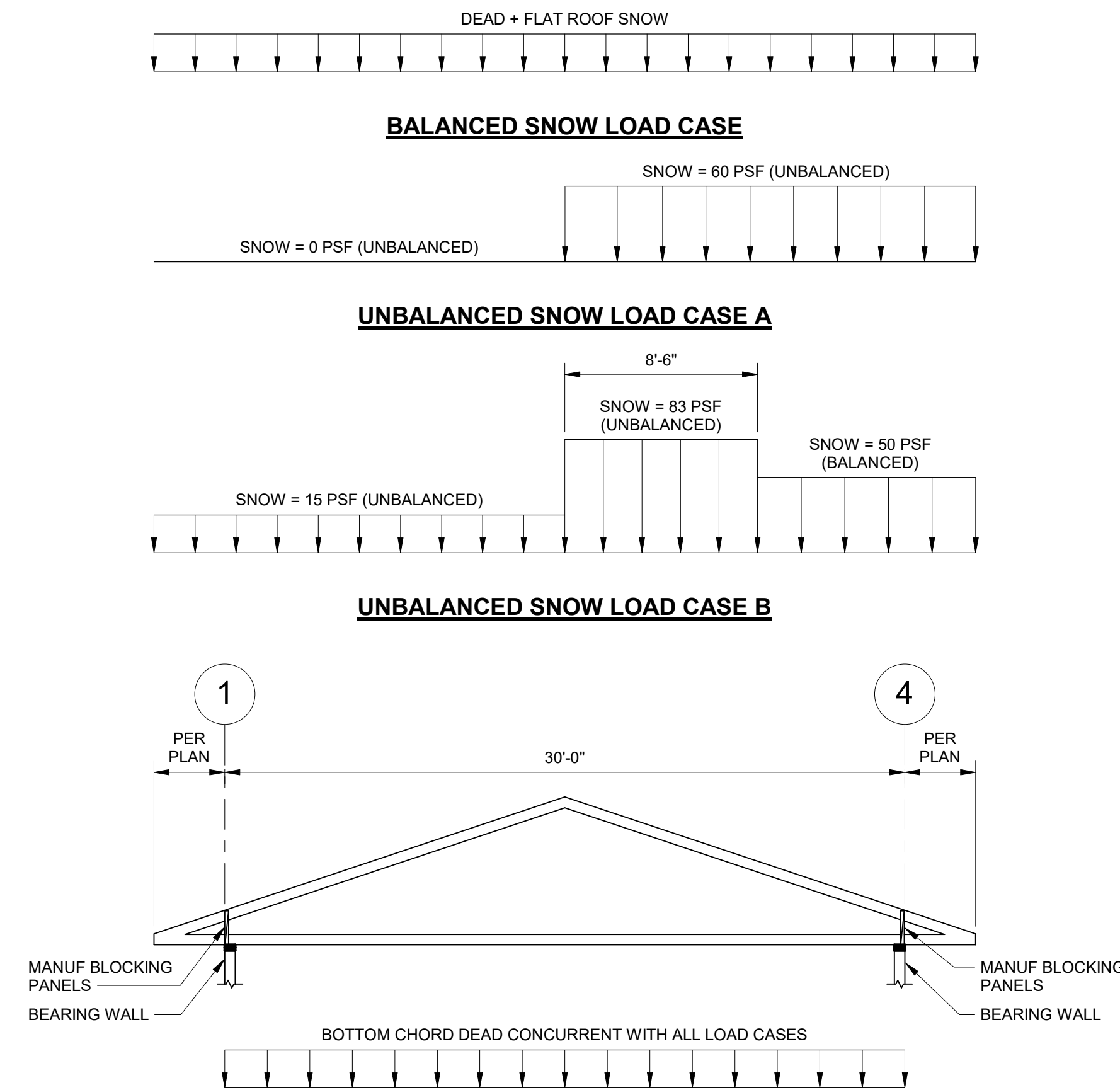
# S-002

No.	Date	Item
REVISIONS		

IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES



**1 ROOF LOADING MAP - COMPONENTS AND CLADDING PRESSURE ZONES**  
S-003 SCALE: 3/16" = 1'-0"



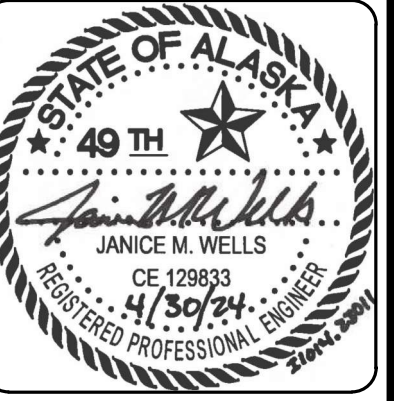
**2 TYPICAL TRUSS LOADING DIAGRAM**  
S-003 SCALE: 3/16" = 1'-0"

**STRUCTURAL WOOD TRUSS NOTES**

- PROVIDE FACTORY BUILT WOOD TRUSSES CONFORMING TO THE REQUIREMENTS OF THE CODE AND DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES PUBLISHED BY THE TRUSS PLATE INSTITUTE.
- MEET OR EXCEED THE FOLLOWING DESIGN REQUIREMENTS:
  - A. DEFLECTION UNDER SNOW, LIVE OR WIND SPAN / 240
  - B. DEFLECTION UNDER TOTAL LOAD SPAN / 180
  - C. INCLUDE A CONCENTRATED LOAD OF 500 POUNDS AT ANY PANEL POINT. THE LOAD IS TO BE CONCURRENT WITH ALL OTHER LOADING
- SUBMIT THE FOLLOWING TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL:
  - A. ENGINEERING DESIGN AND CALCULATIONS BEARING THE STAMP OF AN CIVIL OR STRUCTURAL ENGINEER REGISTERED IN THE STATE OF ALASKA.
  - B. SHOP DRAWINGS SHOWING, FABRICATION DETAILS, FIELD ASSEMBLY DETAILS, AND ERECTION DIAGRAMS FOR TRUSSES.
- THE ROOF TRUSSES SHALL BE DESIGNED FOR APPLICABLE LOADS AND COMBINATIONS PER THE CODE, INCLUDING:
  - A. TOP CHORD DEAD 10 PSF + TRUSS SELF WEIGHT
  - B. BOTTOM CHORD DEAD 5 PSF
  - C. ROOF LIVE 20 PSF
  - D. BALANCED AND UNBALANCED SNOW LOADS. LOAD CASES A & B CAN BE MIRRORED.
  - E. COMPONENT AND CLADDING. SEE WIND PRESSURE MAP & TABLE FOR VALUES.
- THE ROOF TRUSS MANUFACTURER BLOCKING SHALL BE DESIGNED FOR APPLICABLE LOADS AND COMBINATIONS PER THE CODE, INCLUDING:
  - A. LONGITUDINAL WIND SHEAR 80 PLF (ASD)
  - B. LONGITUDINAL SEISMIC SHEAR 77 PLF (ASD)
- COMPONENT AND CLADDING WIND PRESSURES:
  - A. WIND PRESSURES ARE BASED ON THE ULTIMATE WIND SPEED AND ARE REPORTED AT STRENGTH LEVELS. TO OBTAIN ASD PRESSURES, MULTIPLY TABLE VALUES BY 0.6.
  - B. POSITIVE (+) PRESSURES ACT TOWARDS STRUCTURE
  - C. NEGATIVE (-) PRESSURES ACT AWAY FROM STRUCTURES
  - D. WALL ZONE DIMENSION a = 3 FT
  - E. WALL ZONE 5 OCCURS WITHIN A DISTANCE 'a' AWAY FROM ALL CORNERS. WALL ZONE 4 OCCURS IN ALL OTHER LOCATIONS.

ZONE	10 SQ FT	20 SQ FT	50 SQ FT	100 SQ FT
1 MAIN ROOF	-61	20	-61	18
2e EDGE ROOF	-70	20	-70	18
2n EDGE ROOF	-98	20	-89	18
2r RIDGE ROOF	-89	20	-77	18
3e CORNER ROOF	-115	20	-99	18
3r CORNER ROOF	-132	20	-111	18
4 MAIN WALL	-36	33	-35	32
5 EDGE WALL	-45	33	-42	32

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PROJECT :  
MUNICIPALITY OF SKAGWAY PULLEN  
CREEK R/V PARK RESTROOMS

SKAGWAY, AK

SHEET TITLE :  
ROOF LOADING MAPS  
CONSTRUCTION DOCUMENTS

DESIGN ZJM  
DRAWN DJM  
CHECKED JMW  
DATE 04/30/2024

PROJECT No.  
I1014.23011  
SHEET NUMBER

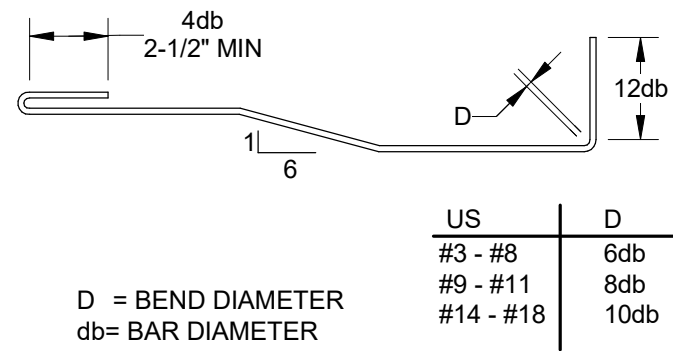
**S-003**

No.	Date	Item
REVISIONS		

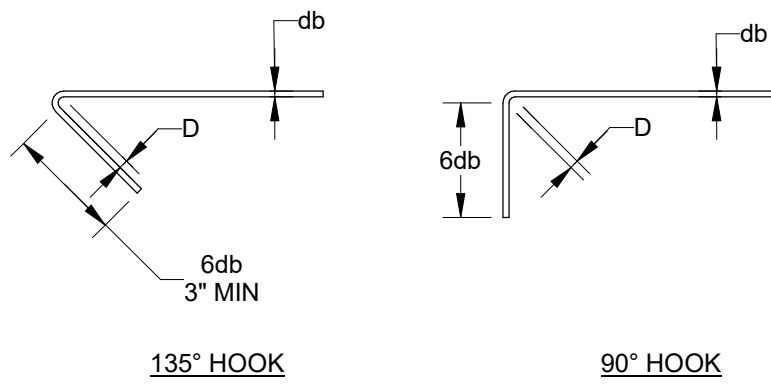
IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

LAP LENGTH SCHEDULE: CLASS "B"										
F <sub>c</sub> (PSI)	BAR SIZE (GR 60)	3	4	5	6	7	8	9	10	11
	BAR DIAMETER (IN)	0.375	0.500	0.625	0.750	0.875	1.000	1.128	1.270	1.410
4,500	TOP BAR	23	31	38	46	67	76	86	96	107
	BOTTOM BAR	18	24	30	35	51	59	66	74	82

- NOTES:
- LAP SPLICES ASSUMED TO BE CLASS "B" UNLESS NOTED OTHERWISE.
  - SCHEDULE VALUES ARE VALID FOR NORMAL WEIGHT CONCRETE WITH REBAR LAYOUTS MEETING THE REQUIREMENTS OF EITHER A, B, OR C:
    - CLEAR SPACING AND CLEAR COVER OF BARS BEING DEVELOPED OR LAP SPICED IS NOT LESS THAN (1) BAR DIAMETER, WITHIN STIRRUPS OR TIES.
    - CLEAR SPACING OF BARS BEING DEVELOPED OR LAP SPICED IS AT LEAST (2) BAR DIAMETERS AND CLEAR COVER IS AT LEAST (1) BAR DIAMETER.
    - MULTIPLY SCHEDULE VALUES BY 1.5.
  - THE ABOVE VALUES RELATE ONLY TO PLAIN (UNCOATED) DEFORMED REINFORCING.
  - TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 1'-0" OF NEW CONCRETE PLACED MONOLITHICALLY BELOW BAR.
  - BOTTOM BARS ARE HORIZONTAL REINFORCEMENT WITH LESS THAN 1'-0" OF NEW CONCRETE PLACED BELOW BAR.



**STANDARD HOOKS**



**TIE AND STIRRUP REIN**

**1 TYPICAL LAP SPLICE SCHEDULE**

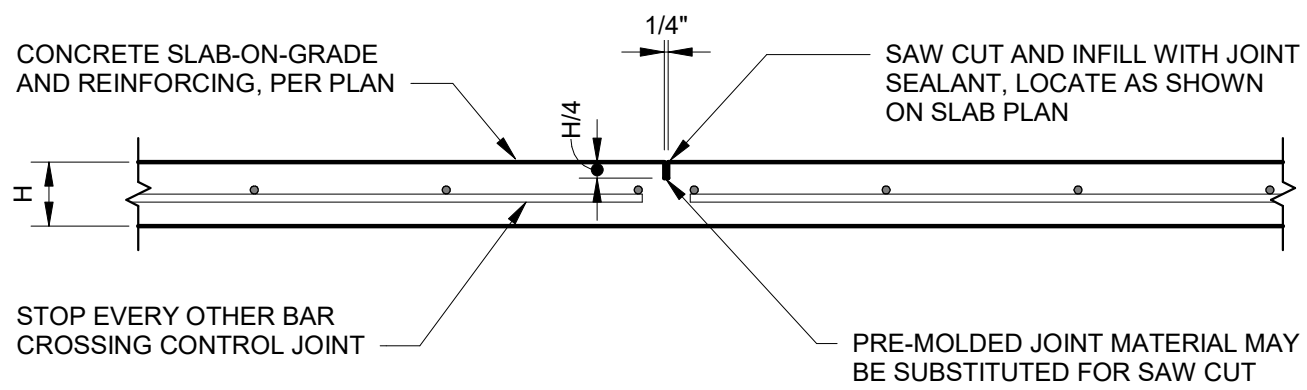
S-101 SCALE: 12" = 1'-0"

**2 TYPICAL REINFORCING HOOKS**

S-101 SCALE: 3/4" = 1'-0"

**3 TYPICAL SINGLE LAYER WALL REINFORCING**

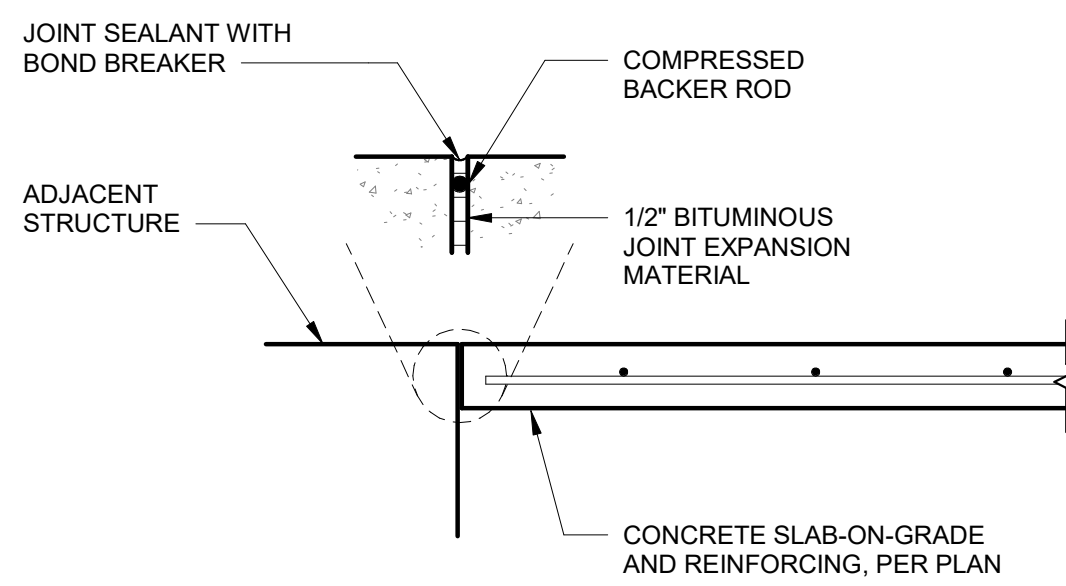
S-101 SCALE: 1" = 1'-0"



- NOTES:
- SAWED JOINTS SHALL BE MADE AS SOON AS THE JOINT CAN BE CUT WITHOUT EDGES RAVELING AND WITHIN 24 HOURS OF SLAB PLACEMENT.

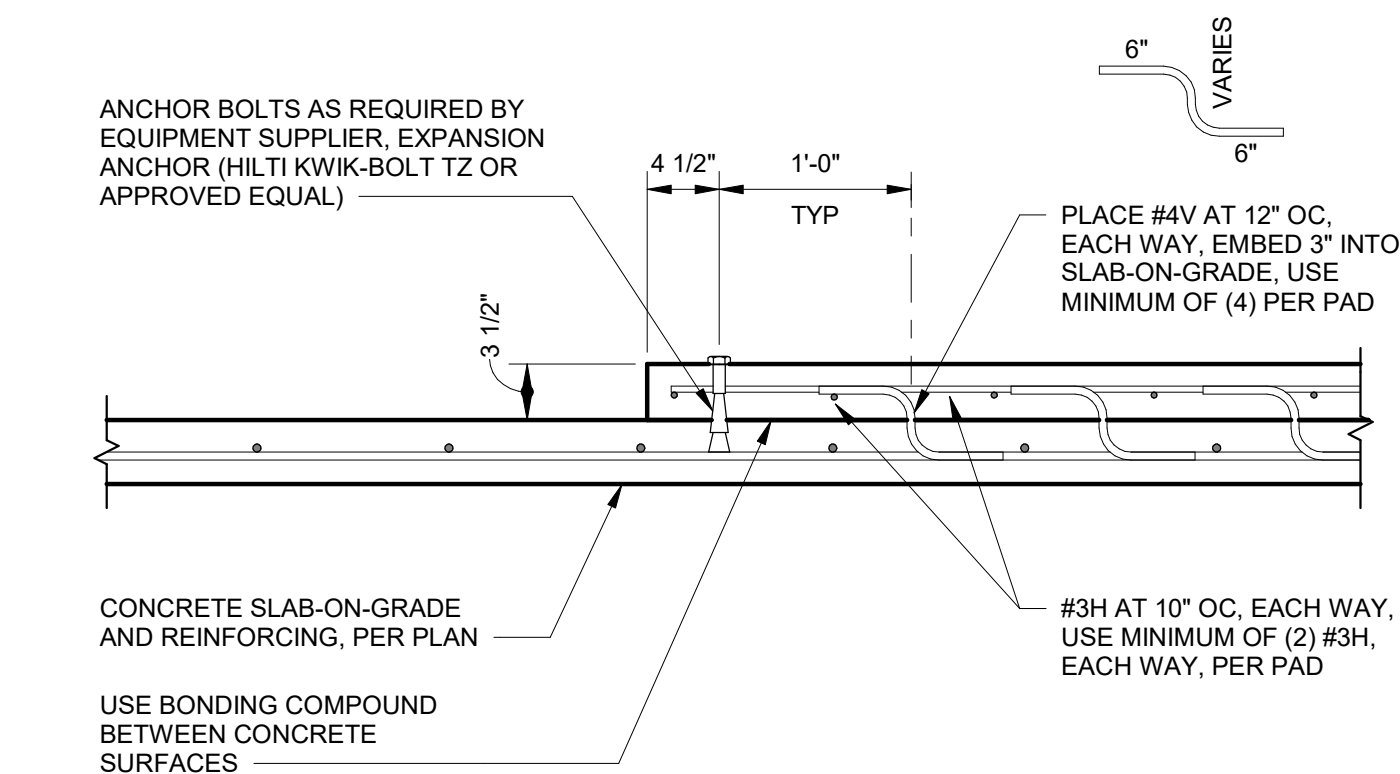
**5 TYPICAL CONTROL JOINT**

S-101 SCALE: 1" = 1'-0"



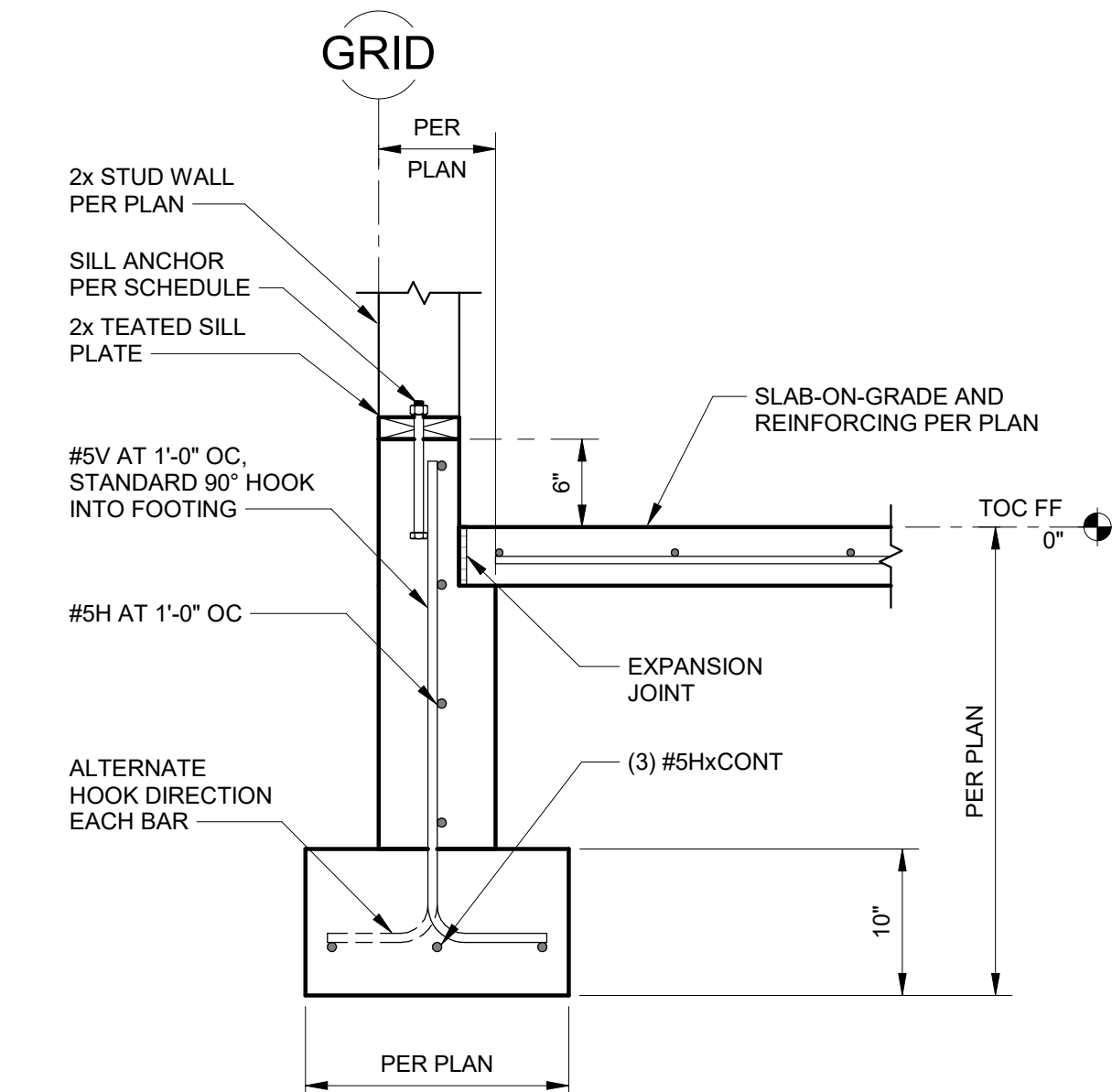
**6 TYPICAL EXPANSION JOINT**

S-101 SCALE: 1" = 1'-0"



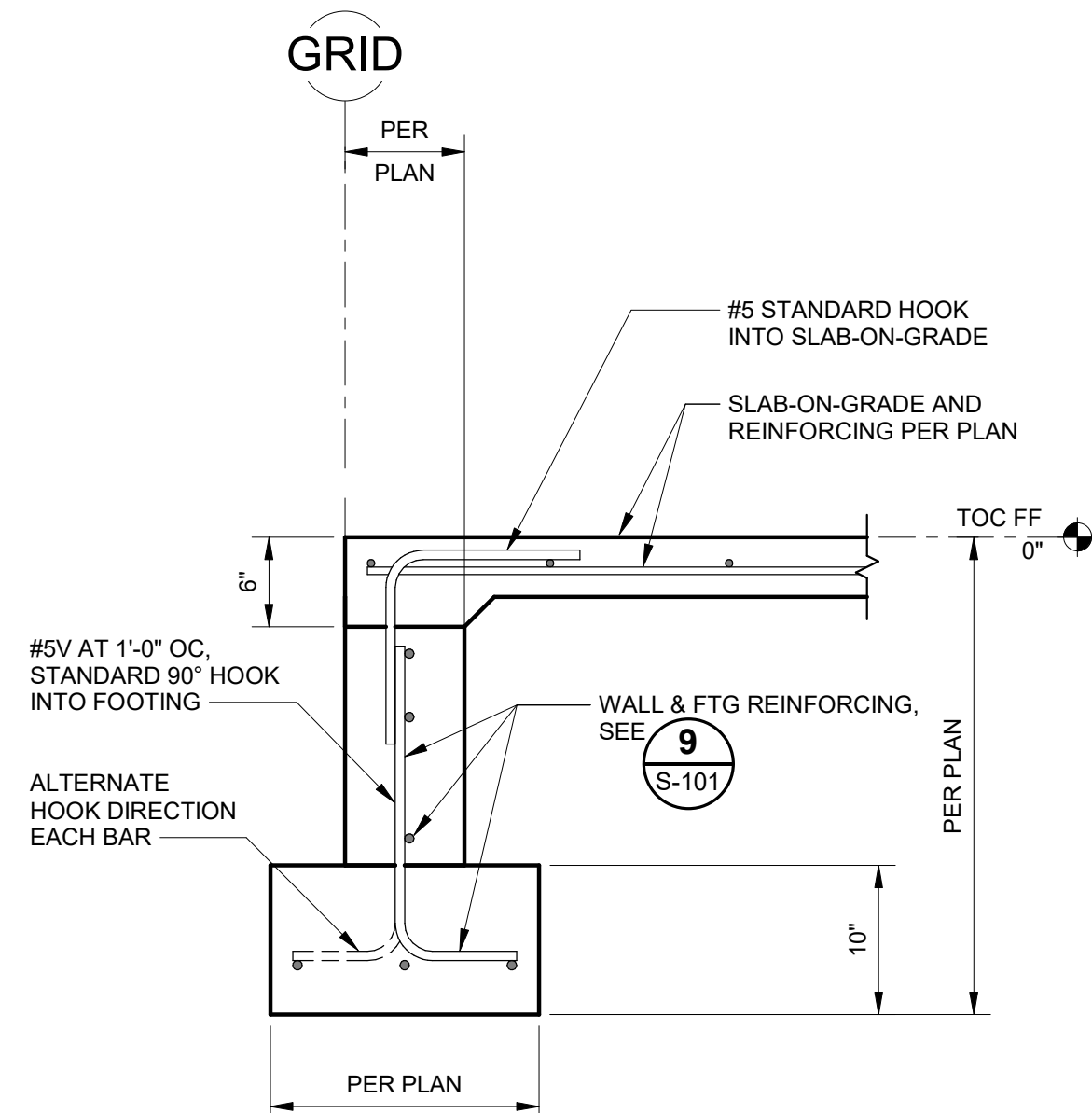
**7 TYPICAL HOUSEKEEPING PAD**

S-101 SCALE: 1" = 1'-0"



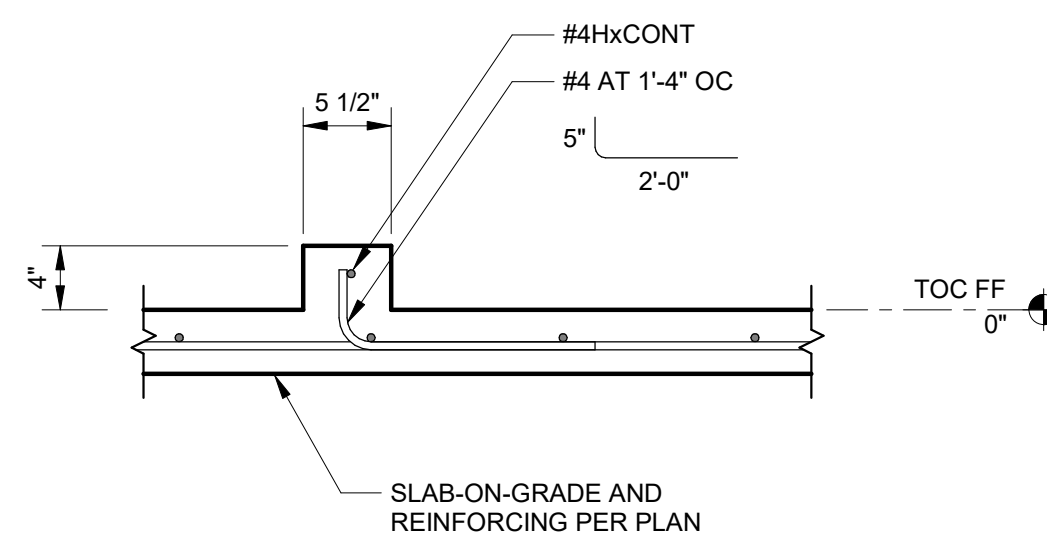
**9 TYPICAL STEM WALL**

S-101 SCALE: 1" = 1'-0"



**10 TYPICAL STEM WALL AT DOOR**

S-101 SCALE: 1" = 1'-0"



- NOTES:
- COORDINATE INTERIOR CURB LOCATIONS WITH ARCHITECTURAL DRAWINGS.

**11 TYPICAL INTERIOR CURB**

S-101 SCALE: 1" = 1'-0"

No.	Date	Item
REVISIONS		

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PROJECT:  
**MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**

**SKAGWAY, AK**

SHEET TITLE:  
**TYPICAL FOUNDATION DETAILS**

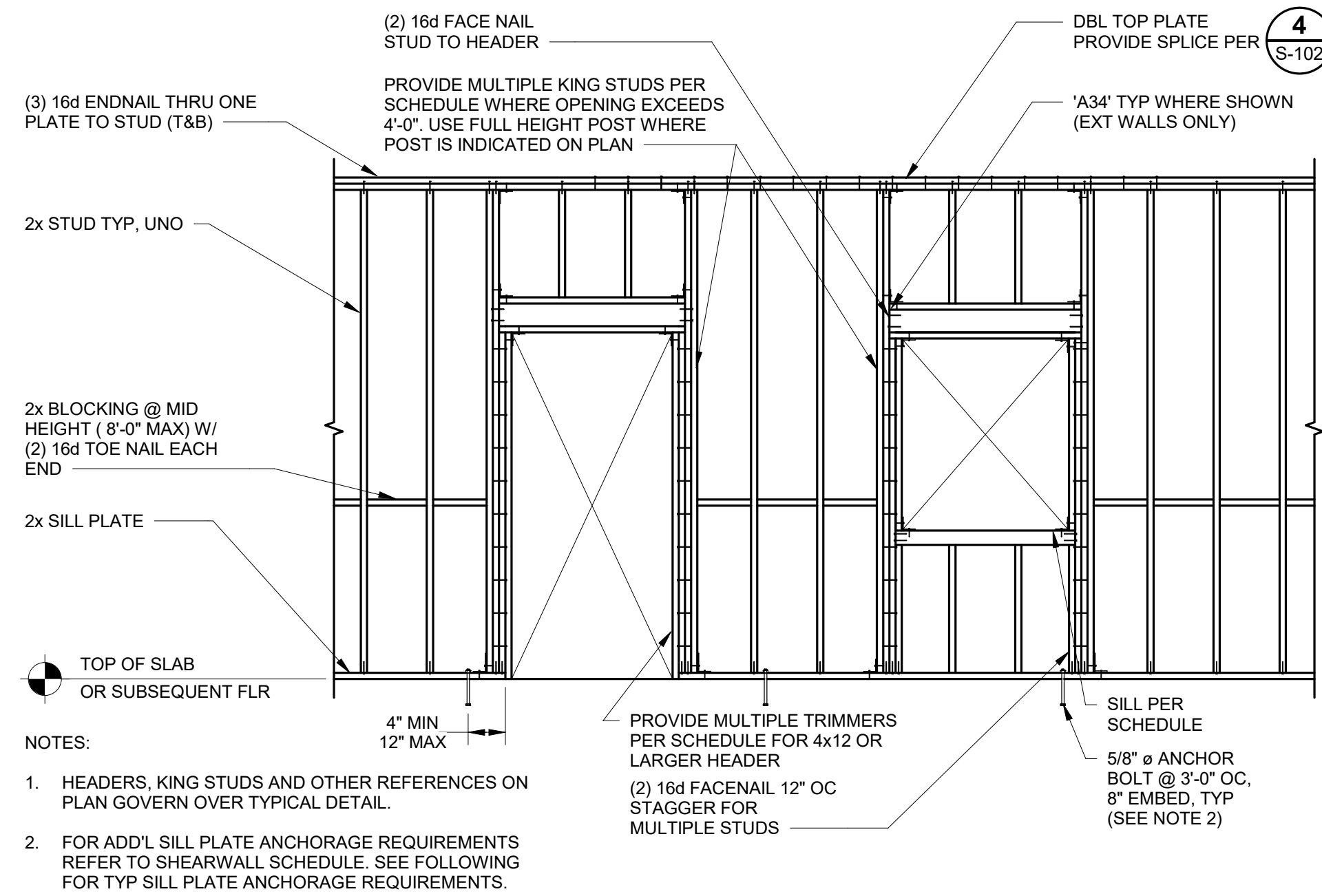
**CONSTRUCTION DOCUMENTS**

DESIGN	ZJM
DRAWN	DJM
CHECKED	JMW
DATE	04/30/2024

PROJECT No.  
**I1014.23011**  
 SHEET NUMBER

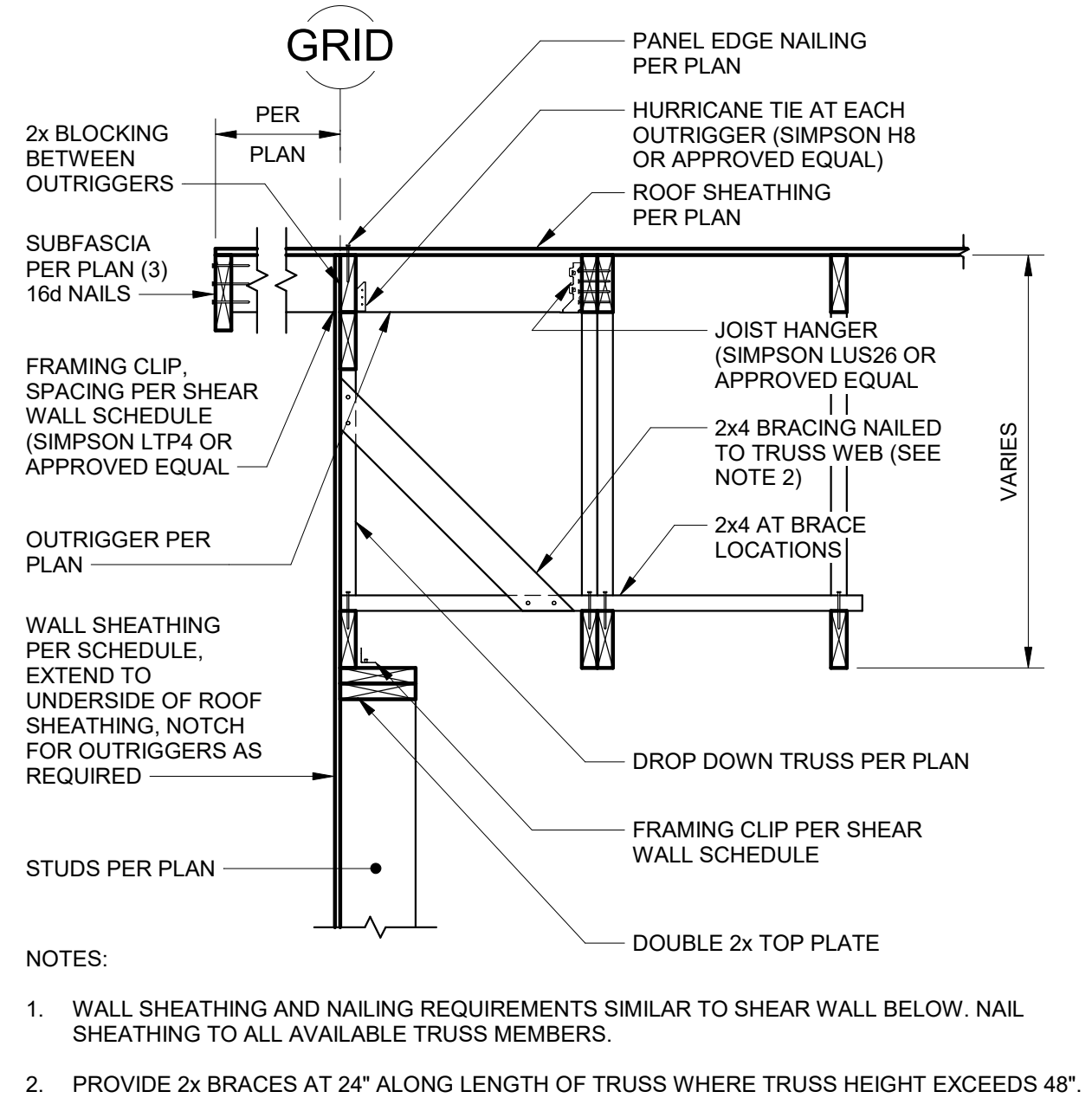
**S-101**

IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES



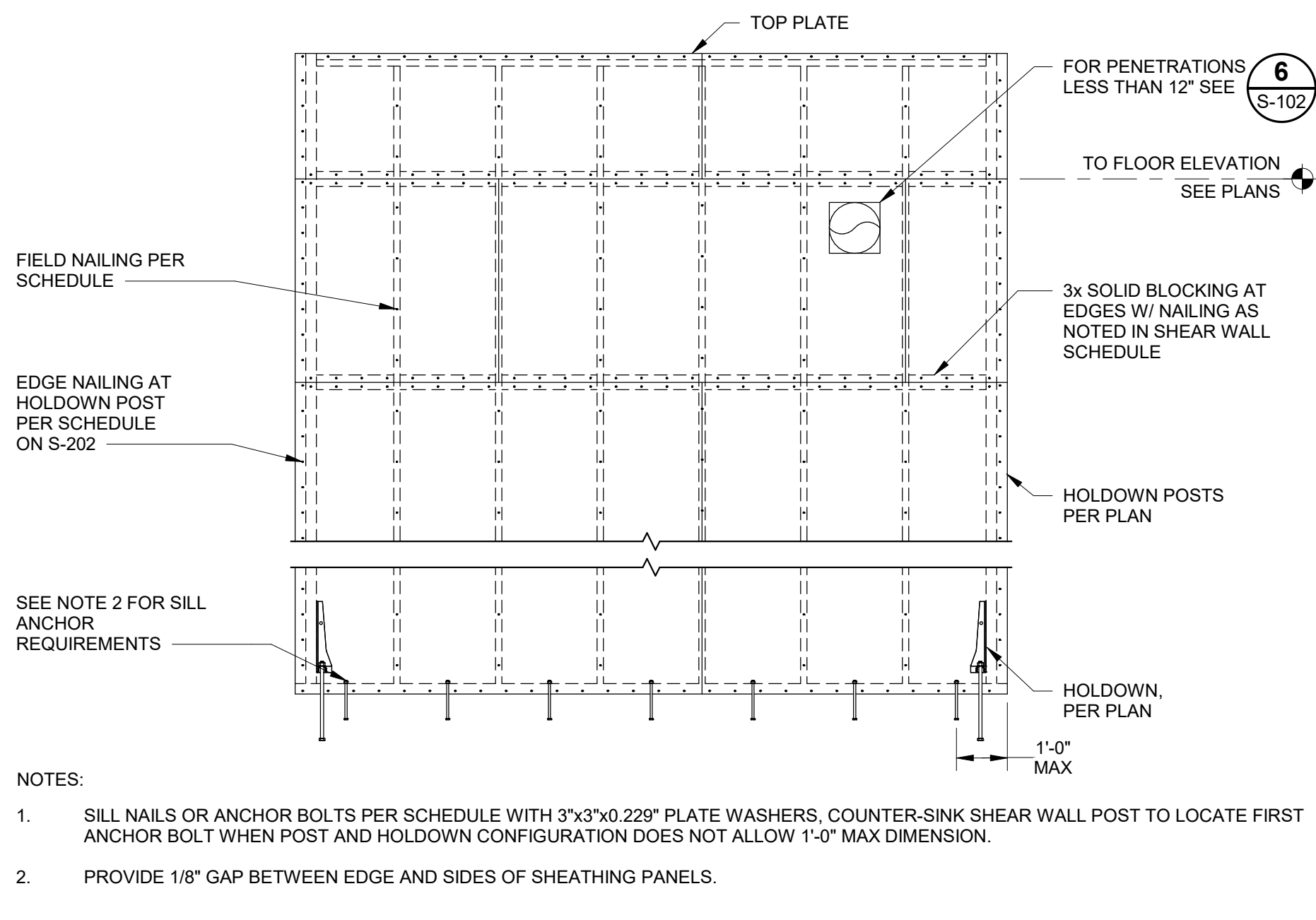
**1 TYPICAL BEARING WALL FRAMING**  
S-102 SCALE: 3/8" = 1'-0"

**5 TYPICAL TOP PLATE SPLICE**  
S-102 SCALE: 3/4" = 1'-0"



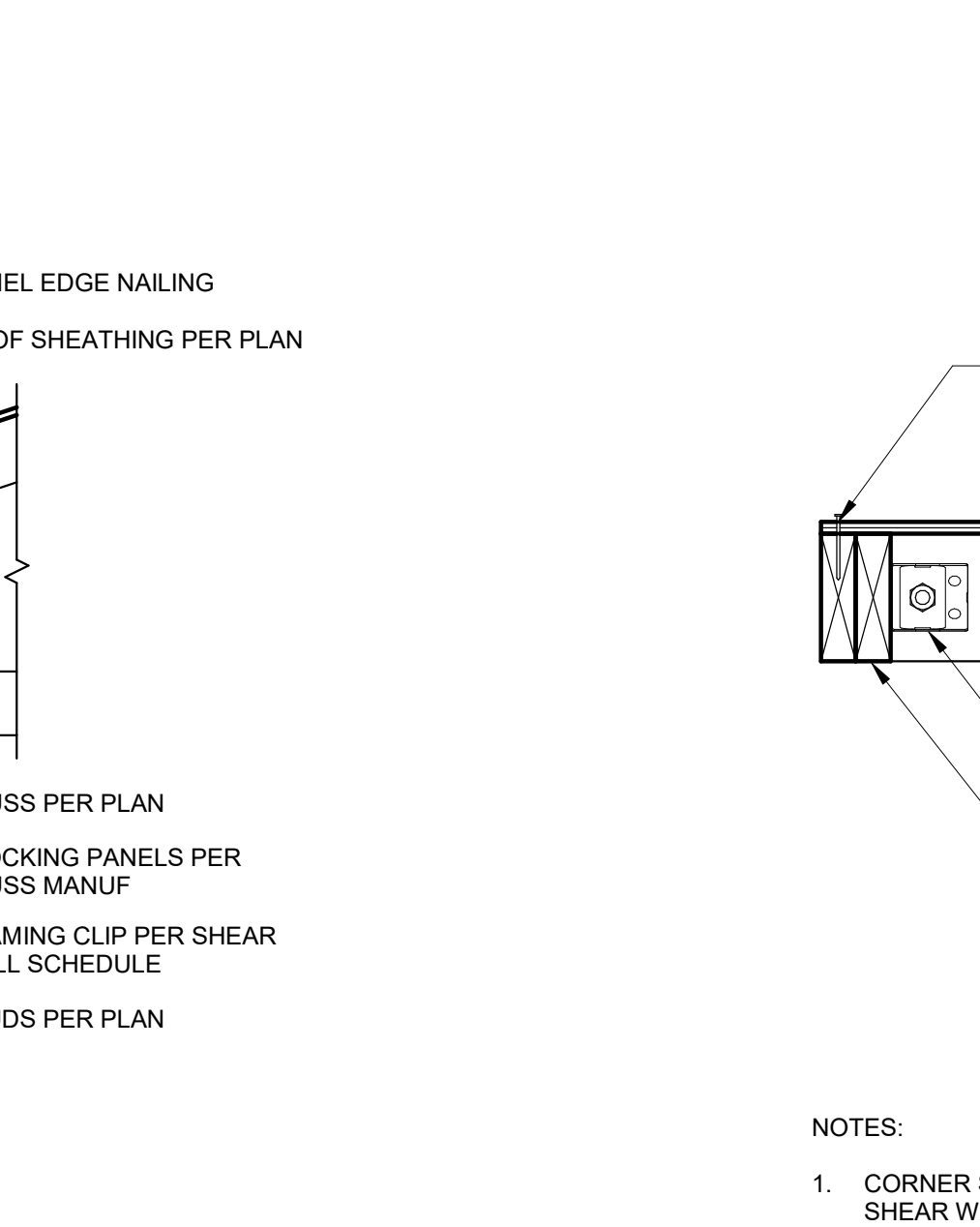
**9 ROOF RAKE FRAMING**  
S-102 SCALE: 3/4" = 1'-0"

NOTES:  
1. WALL SHEATHING AND NAILING REQUIREMENTS SIMILAR TO SHEAR WALL BELOW. NAIL SHEATHING TO ALL AVAILABLE TRUSS MEMBERS.  
2. PROVIDE 2x BRACES AT 24" ALONG LENGTH OF TRUSS WHERE TRUSS HEIGHT EXCEEDS 48".



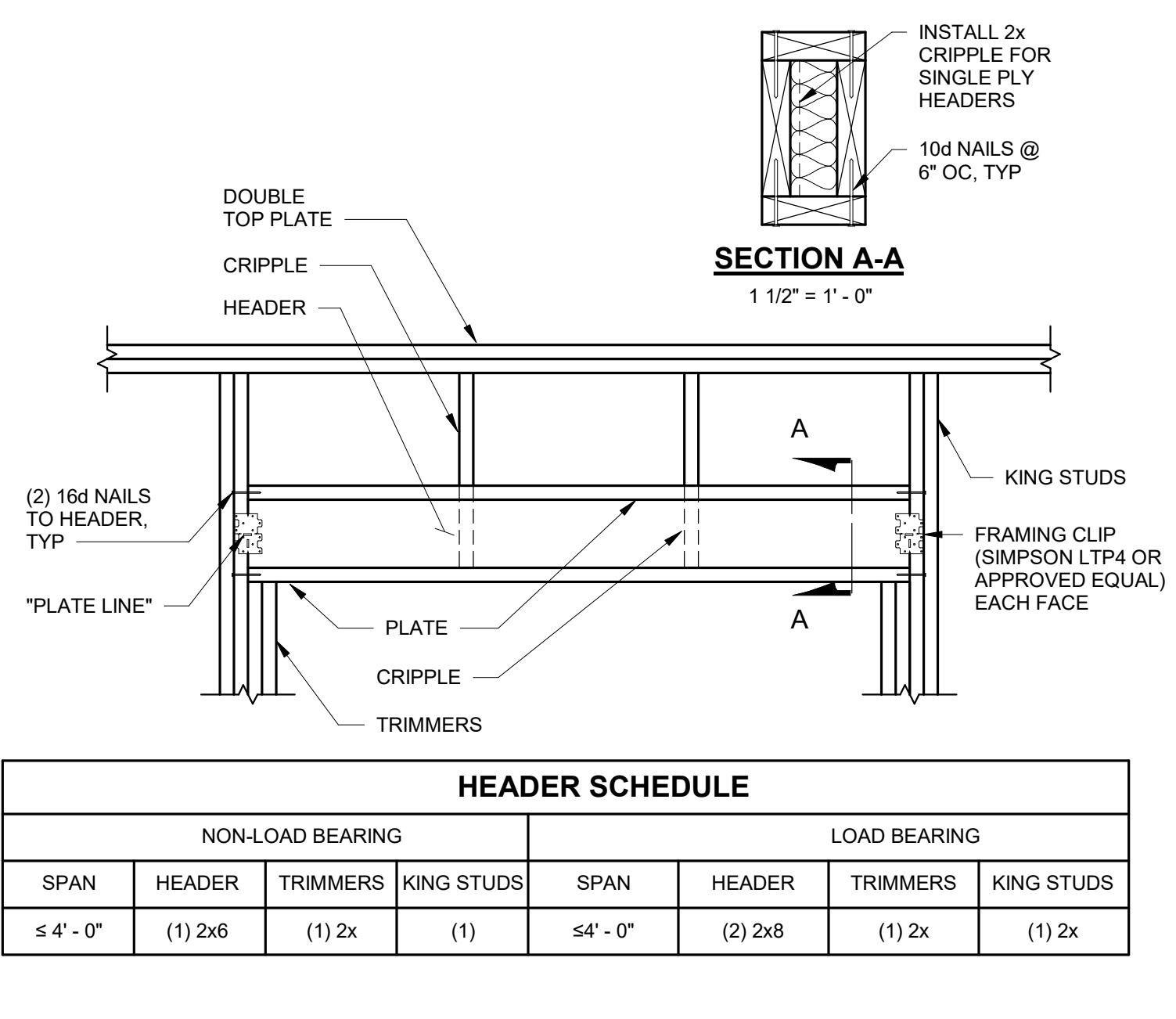
**3 TYPICAL WOOD SHEAR WALL**  
S-102 SCALE: 3/8" = 1'-0"

**6 TYPICAL SHEAR WALL PENETRATION**  
S-102 SCALE: 3/4" = 1'-0"



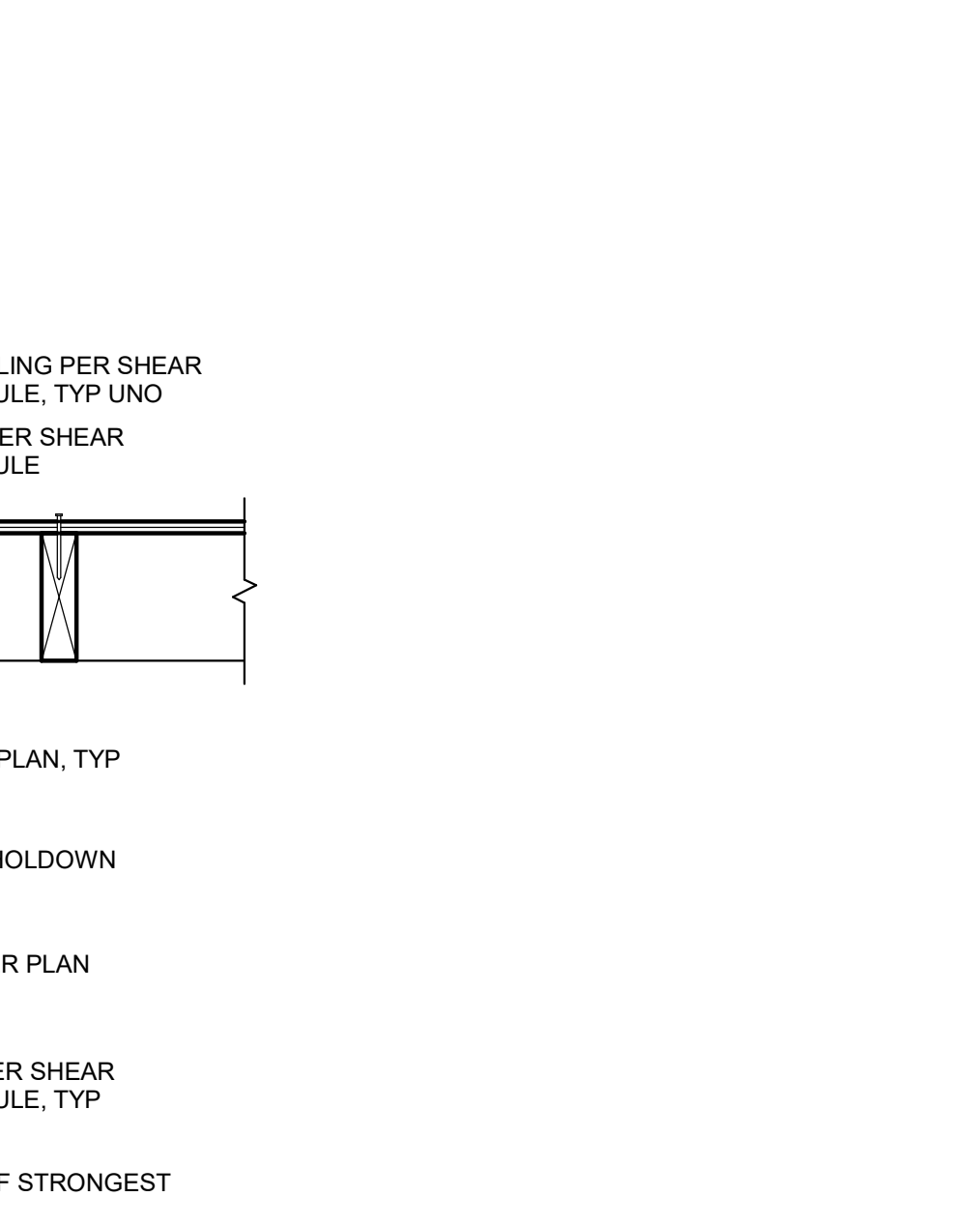
**10 ROOF EAVE FRAMING**  
S-102 SCALE: 3/4" = 1'-0"

NOTES:  
1. UNLESS INDICATED ON PLANS, COORDINATION OF MULTIPLE PENETRATIONS (2 OR MORE) SHALL BE APPROVED BY THE EOR.



**4 TYPICAL HEADER SCHEDULE**  
S-102 SCALE: 3/4" = 1'-0"

**8 TYPICAL NON-BEARING WALL PARALLEL TO TRUSSES**  
S-102 SCALE: 1 1/2" = 1'-0"



**11 HOLDOWN AT CORNER**  
S-102 SCALE: 1 1/2" = 1'-0"

NOTES:  
1. CORNER STUDS TO BE JOINED TOGETHER USING PLATE NAILING REQUIREMENTS OF STRONGEST SHEAR WALL.

No.	Date	Item
REVISIONS		

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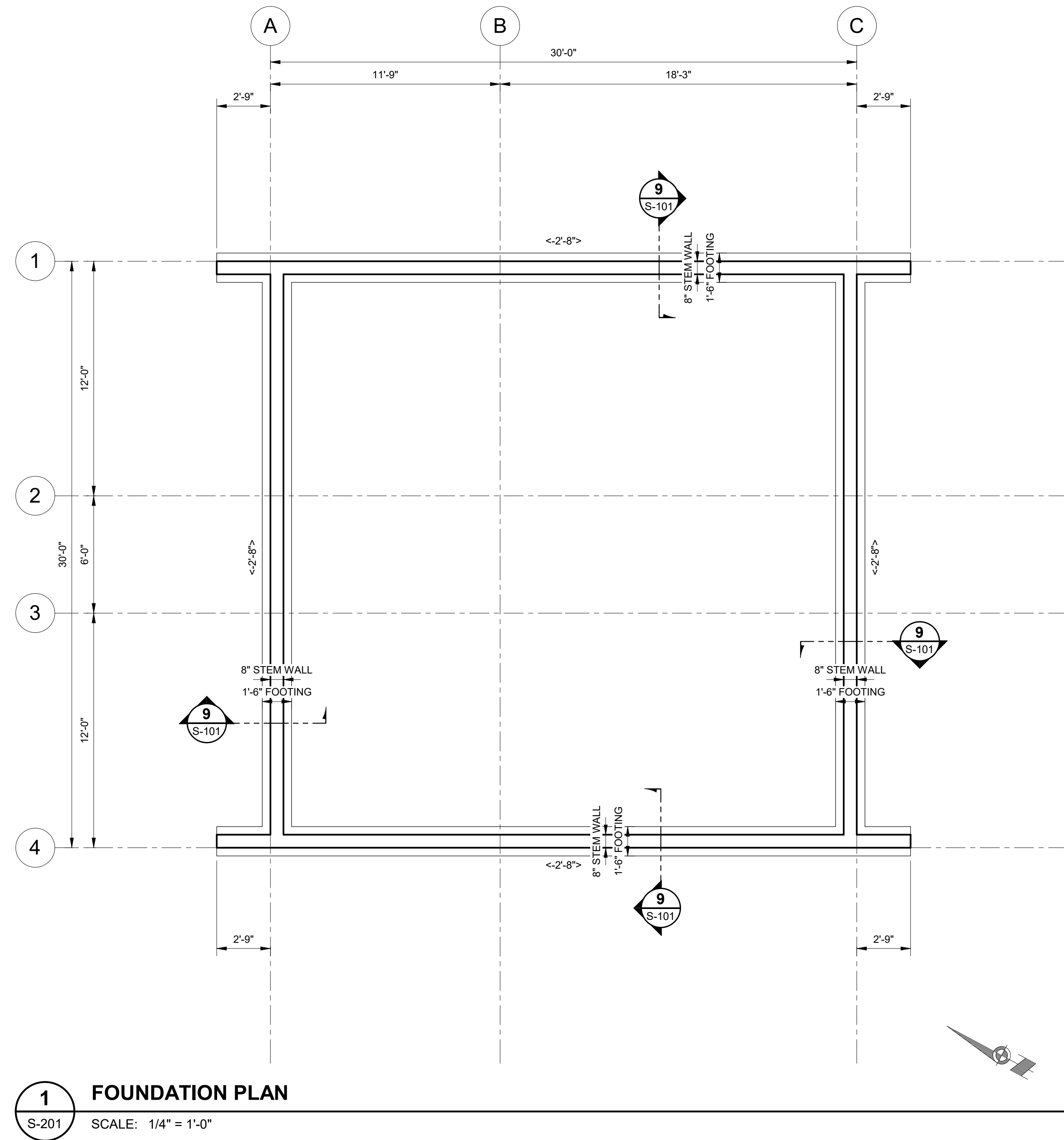
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PROJECT:  
**MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**  
SKAGWAY, AK

SHEET TITLE:  
**TYPICAL FRAMING DETAILS**  
CONSTRUCTION DOCUMENTS

DESIGN: ZJM  
DRAWN: DJM  
CHECKED: JMW  
DATE: 04/30/2024

PROJECT No.  
**I1014.23011**  
SHEET NUMBER  
**S-102**

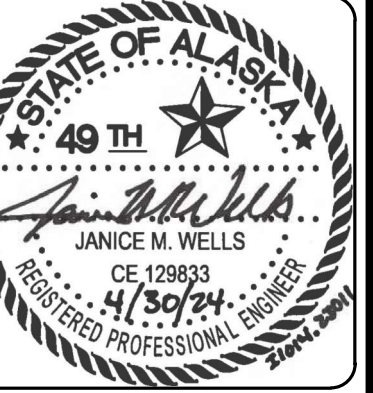


**1** FOUNDATION PLAN  
 S-201 SCALE: 1/4" = 1'-0"

**SHEET NOTES**

1. THE REFERENCE ELEVATION OF THE FIRST FLOOR IS 0'-0". TOP OF SLAB-ON-GRADE TO BE AT THE REFERENCE ELEVATION, UNLESS NOTED OTHERWISE. ELEVATIONS NOTED <X'-X"> ARE TO BOTTOM OF CONCRETE, RELATIVE TO THE REFERENCE ELEVATION.

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PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN  
 CREEK R/V PARK RESTROOMS**

**SKAGWAY, AK**

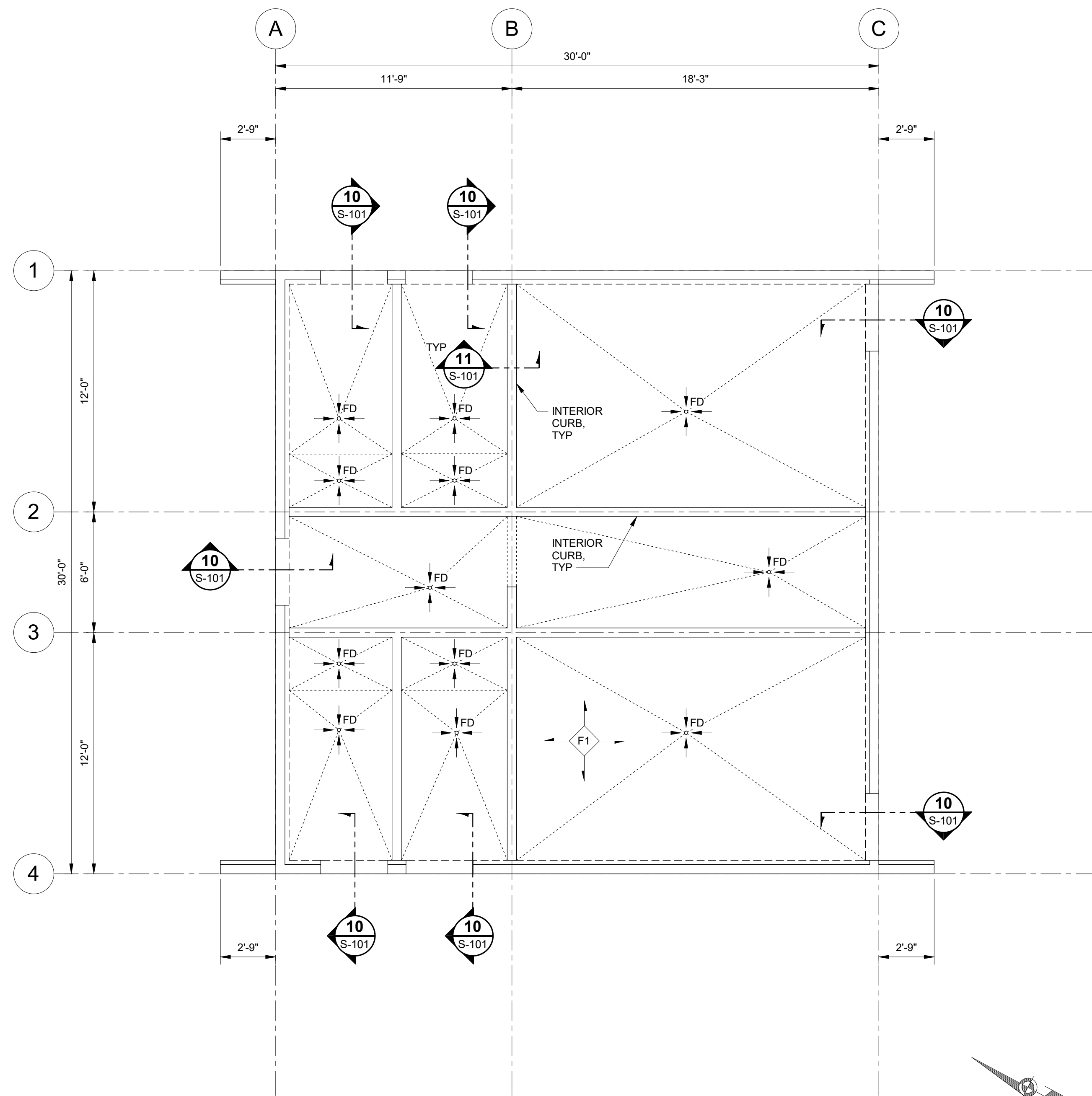
SHEET TITLE :  
**FOUNDATION PLAN**  
**CONSTRUCTION DOCUMENTS**

DESIGN	ZJM
DRAWN	DJM
CHECKED	JMW
DATE	04/30/2024

PROJECT No.  
**11014.23011**  
 SHEET NUMBER

**S-201**

No.	Date	Item
REVISIONS		



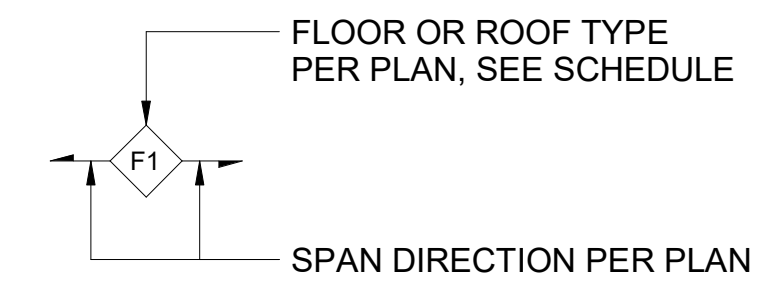
**1** SLAB PLAN  
S-202 SCALE: 1/4" = 1'-0"

**SHEET NOTES**

1. THE REFERENCE ELEVATION OF THE FIRST FLOOR IS 0'-0". TOP OF SLAB-ON-GRADE TO BE AT THE REFERENCE ELEVATION, UNLESS NOTED OTHERWISE. ELEVATIONS NOTED <X'-X"> ARE TO BOTTOM OF CONCRETE, RELATIVE TO THE REFERENCE ELEVATION.
2. COORDINATE FLOOR DRAIN (FD) LOCATIONS WITH ARCHITECTURAL AND MECHANICAL. SLOPE SLAB-ON-GRADE TO FLOOR DRAINS AT 1/8" PER 1'-0". MAINTAIN SLAB THICKNESS IN SLOPED AREAS.
3. COORDINATE INTERIOR CURB LOCATIONS WITH ARCHITECTURAL DRAWINGS.
4. UNLESS NOTED OTHERWISE, SLOPE INTERIOR SLAB-ON-GRADE TO FLOOR DRAINS AT 1/8" PER 1'-0" AS INDICATED ON THE PLAN.
5. RECESSED SLAB LOCATIONS PER ARCH. MAX RECESSED DEPTH NOT TO EXCEED 5/8".

**PLAN LEGEND**

1. FLOOR AND ROOF TAGS:



FLOOR AND ROOF SCHEDULE	
TYPE	DESCRIPTION
F1	4" CONCRETE SLAB-ON-GRADE. REINFORCE WITH #4H AT 1'-4" OC EACH WAY, CENTERED IN SLAB.
R1	19/32" PLYWOOD ROOF SHEATHING FASTENED TO SUPPORTS WITH 10d NAILS AT 6" OC AT PANEL EDGES AND 1'-0" OC IN FIELD.

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AEOCC163270



PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN  
CREEK R/V PARK RESTROOMS**  
SKAGWAY, AK

SHEET TITLE :  
**SLAB PLAN**  
CONSTRUCTION DOCUMENTS

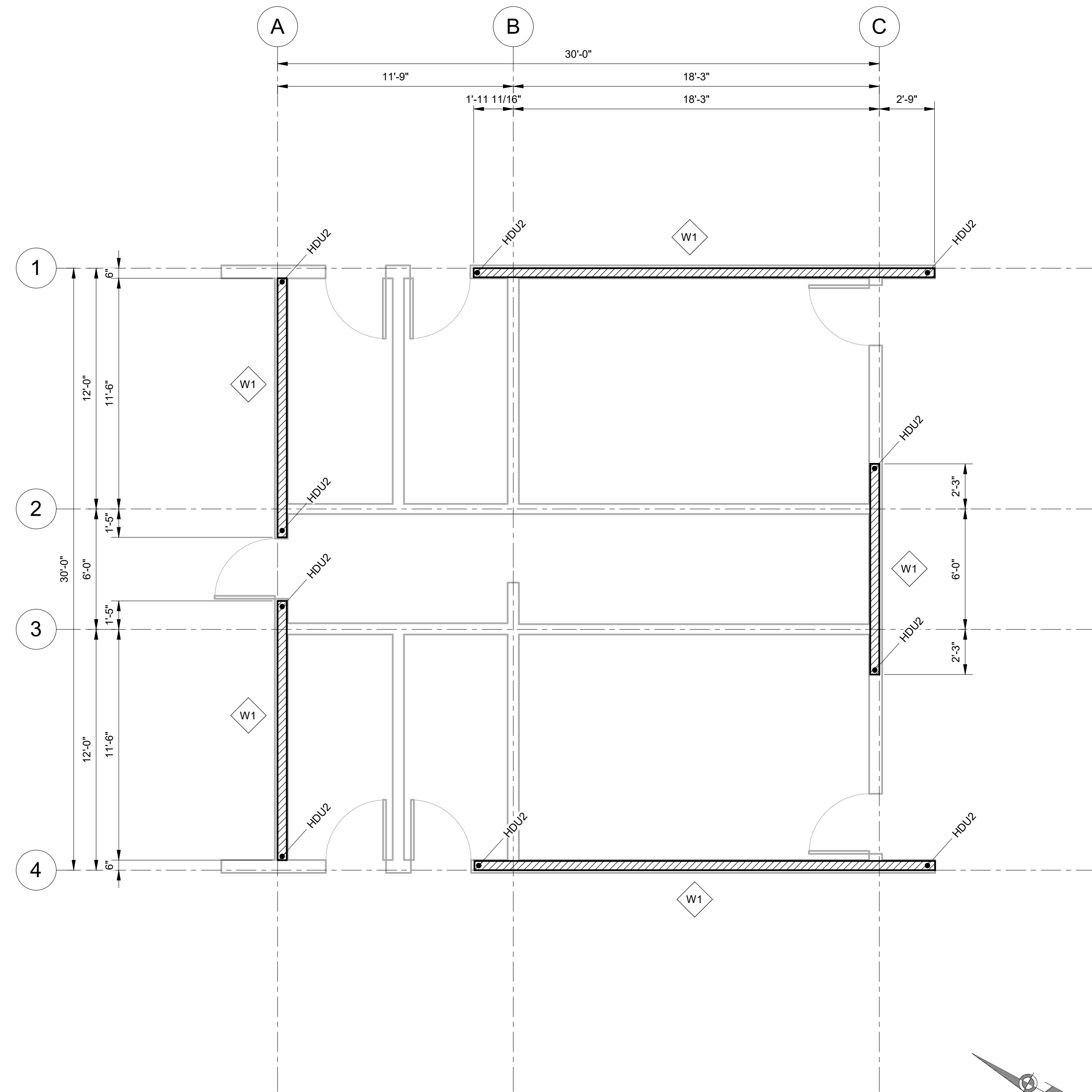
DESIGN ZJM  
DRAWN DJM  
CHECKED JMW  
DATE 04/30/2024

PROJECT No.  
**I1014.23011**  
SHEET NUMBER

**S-202**

No.	Date	Item
REVISIONS		

SHEAR WALL SCHEDULE								
WALL TYPE	WALL APA-RATED SHEATHING [1] [3]	NAIL SIZE AND SPACING AT EDGES [3] [4]	NAIL SIZE AND SPACING AT INTERIOR FRAMING MEMBER [5]	STUD AND BLOCKING SIZE AT ADJOINING EDGES [2]	PLATE NAILING	RIM JOIST OR BLOCK CONNECTION TO TOP PLATE [6] [7]	SILL PLATE SIZE [9]	ANCHOR BOLT TO CONCRETE BELOW [8] [12]
W1	15/32" CD-EXT (1) SIDE	8d AT 4" OC	8d AT 1'-0" OC	2x	(1) 16d AT 4" OC	CLIP AT 2'-0" OC	2x	5/8"ø AT 3'-0" OC 8" EMBED



**1** SHEAR WALL PLAN  
S-203 SCALE: 1/4" = 1'-0"

**SHEAR WALL SCHEDULE NOTES**

- INSTALL PANELS EITHER HORIZONTALLY OR VERTICALLY.
- BLOCKING IS REQUIRED AT ALL PANEL EDGES.
- PROVIDE SHEAR WALL SHEATHING AND NAILING FOR THE ENTIRE LENGTH OF THE WALLS INDICATED ON THE PLANS. SEE PLANS FOR HOLDOWN REQUIREMENTS.
- SHEATHING EDGE NAILING IS REQUIRED AT ALL HOLDOWN POSTS.
- INTERMEDIATE FRAMING MEMBERS SHALL BE 2x.
- USE 8d x 1-1/2" NAILS WHEN ATTACHING TO FRAMING. USE 8d x 2-1/2" NAILS WHEN ATTACHING THROUGH SHEATHING.
- FRAMING CLIPS MUST BE SIMPSON STRONG TIE A35 OR LTP5 EQUIVALENT.
- ANCHOR BOLTS MUST BE PROVIDED WITH 1/4x3x0'-3" STEEL PLATE WASHERS.
- PROVIDE HOT-DIPPED GALVANIZED NAILS AND CONNECTOR PLATES FOR ALL CONNECTORS IN CONTACT WITH PRESSURE TREATED FRAMING MEMBERS.
- EPOXY BOLTS CAN BE USED IF APPROVED BY ENGINEER OF RECORD.

HOLDOWN SCHEDULE				
HOLDOWN TYPE	ANCHOR BOLT DIAMETER	ANCHOR BOLT EMBED	FASTENERS	MIN CHORD
HDU2	SSTB24	1'-8"	(6) SDS 1/4"øx2-1/2"	(2) 2X

**HOLDOWN SCHEDULE NOTES**

- PROVIDE PANEL EDGE NAILING PER SHEAR WALL SCHEDULE AT HOLDOWN STUDS AND AT PANEL EDGES.
- HOLDOWN ANCHOR BOLTS ARE SIMPSON SSTB OR APPROVED EQUAL.
- HOLDOWNS LOCATED PER PLAN. ONE HOLDOWN EACH END OF SHEAR WALL, UNLESS NOTED OTHERWISE.
- HOLDOWNS TO BE SIMPSON STRONG-TIE OR APPROVED EQUAL.
- LOCATE #5 VERT EA SIDE OF ANCHOR ROD.

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AECOC163270



PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN  
CREEK R/V PARK RESTROOMS**

SKAGWAY, AK

SHEET TITLE :  
**SHEAR WALL PLAN**

CONSTRUCTION DOCUMENTS

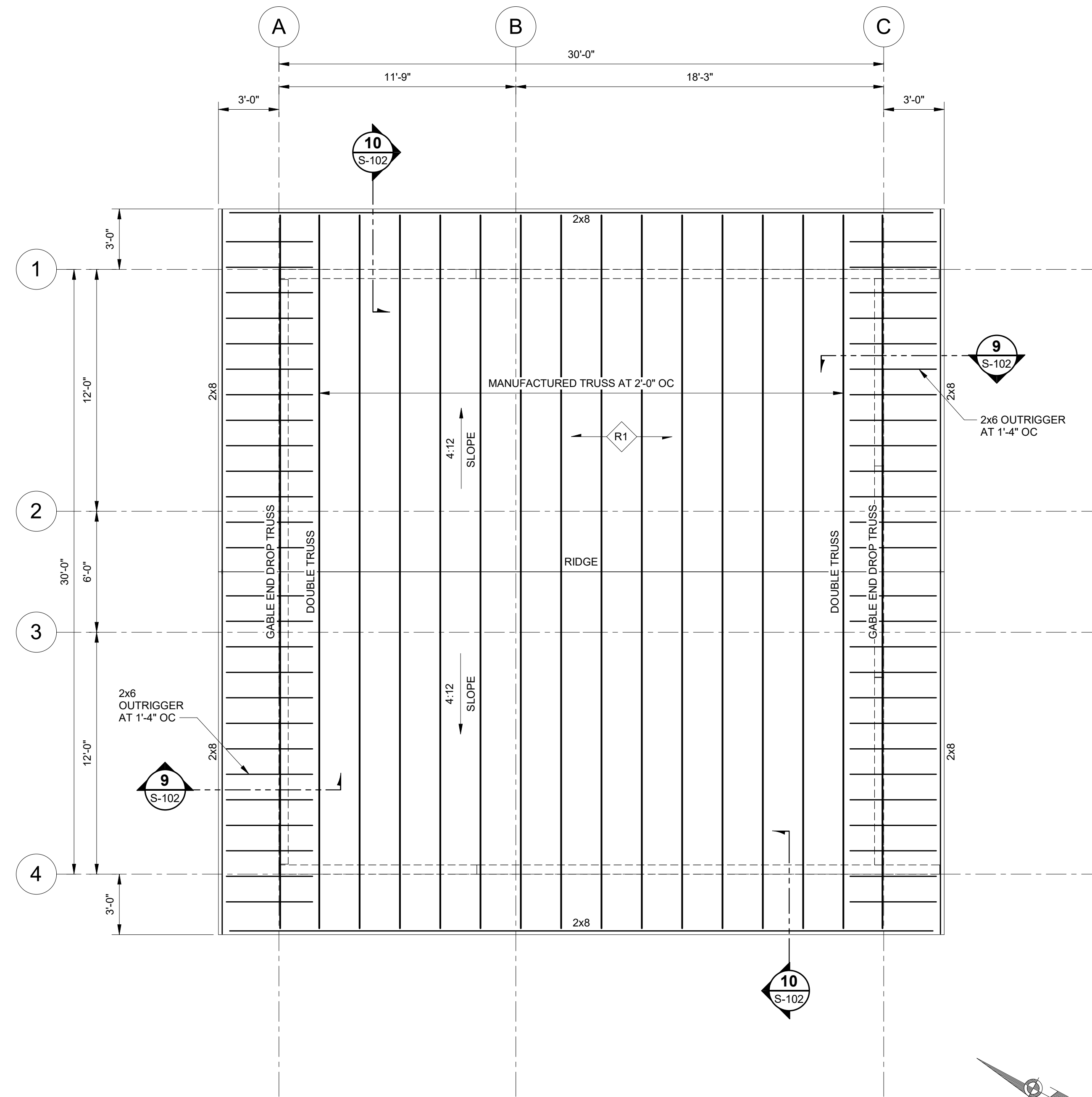
DESIGN ZJM  
DRAWN DJM  
CHECKED JMW  
DATE 04/30/2024

PROJECT No.  
**I1014.23011**  
SHEET NUMBER

**S-203**

No.	Date	Item
REVISIONS		





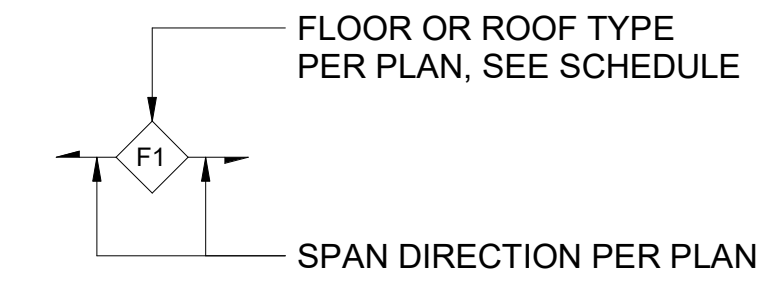
**1** ROOF FRAMING PLAN  
S-204 SCALE: 1/4" = 1'-0"

**SHEET NOTES**

1. THE REFERENCE ELEVATION OF THE ROOF IS 10'-0". BOTTOM OF TRUSSES TO BE AT THE REFERENCE ELEVATION.
2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL.
3. CONSTRUCT EXTERIOR WALLS WITH 2x6 STUDS SPACED AT 2'-0" OC, UNLESS OTHERWISE SPECIFIED.

**PLAN LEGEND**

1. FLOOR AND ROOF TAGS:



FLOOR AND ROOF SCHEDULE	
TYPE	DESCRIPTION
F1	4" CONCRETE SLAB-ON-GRADE. REINFORCE WITH #4H AT 1'-4" OC EACH WAY, CENTERED IN SLAB.
R1	19/32" PLYWOOD ROOF SHEATHING FASTENED TO SUPPORTS WITH 10d NAILS AT 6" OC AT PANEL EDGES AND 1'-0" OC IN FIELD.

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PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**  
SKAGWAY, AK

SHEET TITLE :  
**ROOF FRAMING PLAN**  
CONSTRUCTION DOCUMENTS

DESIGN	ZJM
DRAWN	DJM
CHECKED	JMW
DATE	04/30/2024

PROJECT No.  
**I1014.23011**  
SHEET NUMBER

**S-204**

No.	Date	Item
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### ABBREVIATIONS

ACFM	ACTUAL CUBIC FEET PER MINUTE	MAX	MAXIMUM
AFF	ABOVE FINISHED FLOOR	MBH	THOUSAND BTU'S PER HOUR
AHAP	AS HIGH AS POSSIBLE	MIN	MINIMUM
AHU	AIR HANDLING UNIT	MISC	MISCELLANEOUS
APPROX	APPROXIMATE	NC	NORMALLY CLOSED
BTU	BRITISH THERMAL UNIT	NO	NORMALLY OPEN
CFM	CUBIC FEET PER MINUTE	NO.	NUMBER
CIRC	CIRCULATION	OA	OUTSIDE AIR
CLNG	CEILING	OC	ON CENTER
CONT	CONTINUATION, CONTINUED	OSA	OUTSIDE AIR SUPPLY
CP	CIRCULATING PUMP	PD	PRESSURE DROP
CU	COPPER	PDI	PLUMBING & DRAINAGE INSTITUTE
CW	COLD WATER	POC	POINT OF CONNECTION
(D)	DEMOLISH	PSIG	POUNDS PER SQUARE INCH GAUGE
DIA	DIAMETER	PSI	POUNDS PER SQUARE INCH
DHWC	DOMESTIC HOT WATER CIRC	RECIRC	RECIRCULATION
DN	DOWN	SA	SUPPLY AIR
(E)	EXISTING	SCH	SCHEDULE
EA	EXHAUST AIR	SQFT	SQUARE FEET
EBB	ELECTRIC BASEBOARD	SF	SUPPLY FAN
EF	EXHAUST FAN	SP	SUMP PUMP
ENT	ENTERING	SS	STAINLESS STEEL
ET	EXPANSION TANK	TA	TRANSFER AIR
ESP	EXTERNAL STATIC PRESSURE	TEMP	TEMPERATURE
EUH	ELECTRIC UNIT HEATER	TDH	TOTAL DEVELOPED HEAD
EWT	ENTERING WATER TEMPERATURE	TP	TRAP PRIMER
FCO	FLOOR CLEANOUT	TYP	TYPICAL
FCU	FAN COIL UNIT	UL	UNDERWRITER'S LABORATORY
FD	FLOOR DRAIN	UON	UNLESS OTHERWISE NOTED
FT	FEET	UH	UNIT HEATER
FT	FINNED TUBE	VTR	VENT THROUGH ROOF
GAL	GALLONS	VR	VENT RISER
GPM	GALLONS PER MINUTE	W	WASTE
HB	HOSE BIBB	W/	WITH
HC	HEATING COIL	W.C.	WATER COLUMN
HP	HORSE POWER	WCO	WALL CLEANOUT
HW	HOT WATER	WH	WATER HEATER
HWC	HOT WATER CIRCULATION	WHA	WATER HAMMER ARRESTOR
HZ	HERTZ	WPD	WATER PRESSURE DROP
ID	INSIDE DIAMETER	WRT	WITH RESPECT TO
IN	INCHES		
LAV	LAVATORY		
LF	LINEAL FEET		

### GENERAL

DETAIL SYMBOL		DETAIL IDENTIFICATION
		DRAWING ON WHICH DETAIL IS SHOWN
SECTION SYMBOL		SECTION IDENTIFICATION
		DRAWING ON WHICH SECTION IS SHOWN
MATCHLINE VIEW REFERENCE		DETAIL IDENTIFICATION
		DRAWING ON WHICH CONTINUATION OF VIEW IS SHOWN
ROOM NAME AND NUMBER DESIGNATION		ROOM NAME
		101
SHEET KEYNOTE		1
GENERAL SHEET NOTE		3.
POINT OF CONNECTION		
NORTH ARROW		

### CONSTRUCTION PHASE LIFESTYLE

TO BE DEMOLISHED OR RELOCATED	
EXISTING TO REMAIN	
NEW	

### PLUMBING

WASTE	W	
COLD WATER	CW	
HOT WATER	HW	
HOT WATER CIRCULATING	HWC	
VENT	V	
VENT RISER	VR	
VENT THROUGH ROOF	VTR	
WATER HAMMER ARRESTOR	WHA	
HOSE BIBB	HB	
CLEAN-OUT	CO	
WALL CLEANOUT	WCO	
FLOOR CLEANOUT	FCO	
FLOOR DRAIN	FD	

### DUCT LEGEND

DUCT (1ST FIGURE, SIDE SHOWN 2ND FIGURE, SIDE NOT SHOWN)	
DIRECTION OF FLOW	
FLEXIBLE DUCT CONNECTION	
INSULATED DUCTWORK	
DIMENSIONS = INTERIOR FACE OF SHEET METAL	
THICKNESS OF INSULATION IN INCHES	
LINED DUCTWORK	
DIMENSIONS = INTERIOR FACE OF SHEET METAL	
THICKNESS OF LINING IN INCHES	
VOLUME DAMPER	
BACKDRAFT DAMPER	
MOTORIZED CONTROL DAMPER	
FIRE SMOKE DAMPER	
FIRE DAMPER	
SMOKE DAMPER	
DUCT SMOKE DETECTOR (PENDING)	
RECTANGULAR DUCTWORK - X" X Y" WHERE X = DIMENSION ON THE PAGE AND Y = DIMENSION INTO THE PAGE	
SUPPLY RETURN EXHAUST	
ROUND DUCTWORK - X"ø WHERE X = THE DIAMETER OF THE DUCT	
FLAT OVAL DUCTWORK - X" X Y" FO WHERE X = DIMENSION ON THE PAGE AND Y = DIMENSION INTO THE PAGE	
RECTANGULAR MITERED ELBOW WITH TURNING VANES	
RECTANGULAR ELBOW UP (OUT OF THE PAGE)	
RECTANGULAR ELBOW DOWN (INTO THE PAGE)	
ROUND RADIUS ELBOW	
ROUND ELBOW UP (OUT OF THE PAGE)	
ROUND ELBOW DOWN (INTO THE PAGE)	
FLAT OVAL GORED ELBOW	
FLAT OVAL ELBOW DOWN (INTO THE PAGE)	
FLAT OVAL ELBOW UP (OUT OF THE PAGE)	

### GENERAL MECHANICAL NOTES

- SALVAGE EXISTING INSTANTANEOUS NAVIEN WALL-MOUNTED WATER HEATER AND ASSOCIATED EXPANSION TANK SERVING THE EXISTING TOILET FACILITY BEING DEMOLISHED AND TURN OVER TO SKAGWAY PUBLIC WORKS.
- SALVAGE EXISTING ELECTRIC RELIANCE STORAGE TANK WATER HEATER SERVING THE EXISTING TOILET FACILITY BEING DEMOLISHED AND TURN OVER TO SKAGWAY PUBLIC WORKS.

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PROJECT:  
**MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**

**SKAGWAY, AK**

SHEET TITLE:  
**MECHANICAL SYMBOLS, LEGENDS, AND ABBREVIATIONS**

**CONSTRUCTION DOCUMENTS**

DESIGN	MD
DRAWN	TK
CHECKED	DM
DATE	04/30/2024

PROJECT No.  
**11014.23011**  
 SHEET NUMBER

**M-001**

No.	Date	Item
REVISIONS		

1" IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

**PLUMBING FIXTURE SCHEDULE**

NOTES:

MARK	FIXTURE DESCRIPTION	HW/TW	CW	TRAP	WASTE	VENT	BASIS OF DESIGN	COMMENTS
BF-1	BOTTLE FILLER	-	1/2"	1-1/4"	1-1/2"	1-1/2"	ELKAY LK4405BFFRK	INSTALL PER MANUFACTURER'S INSTRUCTIONS AND MEETING ADA HEIGHT REQUIREMENTS
DF-1	DRINKING FOUNTAIN	-	1/2"	1-1/4"	1-1/2"	1-1/2"	ELKAY LK4406	INSTALL PER MANUFACTURER'S INSTRUCTIONS AND MEETING ADA HEIGHT REQUIREMENTS
FCO	FLOOR CLEANOUT	-	-	-	-	-	ZURN Z1400-ZS-AR-K-VP	PROVIDE SIZED FOR WASTE LINE SERVED
FD-1	FLOOR DRAIN	-	-	2"	2"	1-1/2"	ZURN Z1726-K-Y-VP-P	PROVIDE AUTOMATIC TRAP PRIMER CONNECTION, ANCHOR FLANGE, STAINLESS STEEL SEDIMENT BUCKET, VANDAL-PROOF SECURED TOP
HB-1	WASHDOWN HOSE BIB	-	1/2"	-	-	-	WOODFORD MB224	MOUNT RECESSED IN WALL WITH LOCKABLE COVER
HB-2	FREEZE-RESISTANT HOSE BIB	-	3/4"	-	-	-	WOODFORD MODEL 65	SURFACE MOUNTED 18" ABOVE GRADE WITH INTEGRAL VACUUM BREAKER, LOOSE KEY
LV-1	WALL MOUNTED LAVATORY	1/2"	1/2"	1-1/4"	1-1/2"	1-1/2"	MANSFIELD "GRAND ISLE" #2018HBNS-4	PROVIDE ASSE-1070 HW TEMPERING VALVE AND MOEN #CA8301 HARD-WIRED INFRARED SENSOR OPERATED FAUCET, OFFSET DRAIN AND P-TRAP, PLUMBEREX INSULATED WATER AND WASTE COVERS
SH-1	ROLL-IN SHOWER	1/2"	1/2"	2"	2"	1-1/2"	FREEDOM SHOWERS #APF6232BFPANC BASE/MOEN T9342GBM15 VALVE	LEFT-HAND SEAT. SHOWER STALL BY ARCHITECT
SH-2	ROLL-IN SHOWER	1/2"	1/2"	2"	2"	1-1/2"	FREEDOM SHOWERS #APF6232BFPANC BASE/MOEN T9342GBM15 VALVE	RIGHT-HAND SEAT. SHOWER STALL BY ARCHITECT
SS-1	SERVICE SINK	1/2"	1/2"	3"	3"	2"	MUSTEE #63M	PROVIDE MOEN #8124 FAUCET, MUSTEE #65.600 MOP HANGER, #65.700 HOSE AND HOLDER, #67.2424 WALL GUARD, #63.401 BUMPER GUARDS
ST-1	SEDIMENT TRAP	-	-	-	4"	1-1/2"	J.R. SMITH 8810-20	INSTALL RECESSED FLUSH WITH FLOOR. PROVIDE 3" X 4" INCREASER ON INLET.
UR-1	ADA URINAL	-	3/4"	-	2"	1-1/2"	AMERICAN STANDARD #6515.001	PROVIDE WALL CLEANOUT ON VENT PIPE ABOVE URINAL. MOUNT WITH RIM 17" ABOVE FINISHED FLOOR. PROVIDE HARD-WIRED SENSOR OPERATED, CONCEALED FLUSH VALVE, SLOAN "ROYAL" #195 ESS-0.5-2-10-3/4-LDIM-HW
WC-1	WATER CLOSET	-	1"	-	4"	2"	MANSFIELD "ERIE" #1301	MOUNT AT ADA HEIGHT. PROVIDE SLOAN "ROYAL" #153 ESS-1.6-OR-2-10-3/4-LDIM-HW HARD-WIRED SENSOR OPERATED CONCEALED FLUSH VALVE, BEMIS #1955SSCT OPEN-FRONT SEAT
WC-2	ADA WATER CLOSET	-	1"	-	4"	2"	MANSFIELD "ERIE" #1301	MOUNT AT ADA HEIGHT. PROVIDE SLOAN "ROYAL" #153 ESS-1.6-OR-2-10-3/4-LDIM-HW HARD-WIRED SENSOR OPERATED CONCEALED FLUSH VALVE, BEMIS #1955SSCT OPEN-FRONT SEAT
WCO	WALL CLEANOUT	-	-	-	-	-	ZURN 1468	PROVIDE SIZED FOR WASTE LINE SERVED

**WATER HEATER SCHEDULE**

NOTES:

MARK	SERVICE	TYPE	RECOVERY, GPH @ 70F RISE	TANK SIZE (GAL)	MBH INPUT	AMP	V	PH	BASIS OF DESIGN		COMMENTS
									MANUFACTURER	MODEL	
WH-1	DOMESTIC HOT WATER	PROPANE, STORAGE	416	100	250	5.0	120	1	A.O. SMITH	BTH-250(A)	PROVIDE CONDENSATE NEUTRALIZER, LOW PROFILE VENT TERMINATION KIT, SEISMIC BRACING

**EXPANSION TANK SCHEDULE**

NOTES:

MARK	SYSTEM	VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)	PRESSURE (PSIG)	BASIS OF DESIGN		COMMENTS
					MANUFACTURER	MODEL	
ET-1	DOMESTIC COLD WATER	3.2	1.9	50	AMTROL	ST-8	PROVIDE ISOLATION VALVE, SEISMIC BRACING

**PUMP SCHEDULE**

NOTES:

MARK	LOCATION	SERVICE	FLOW (GPM)	HEAD (FT)	FLUID	TYPE	ELECTRICAL DATA			BASIS OF DESIGN		COMMENTS
							HP	V	PH	MANUFACTURER	MODEL	
CP-1	MECHANICAL ROOM	DOMESTIC HOT WATER	2	4	WATER	IN-LINE	0.034	115	1	GRUNDFOSS	UP 15-10B5	

**FAN SCHEDULE**

NOTES: ESP VALUE INDICATED IS REQUIRED PRESSURE DOWNSTREAM OF DUCT CONNECTION TO FAN EQUIPMENT (I.E. EXCLUSIVE OF FAN CABINET AND DUCT OUTLET CONNECTION) ON DISCHARGE END.

MARK	SERVICE	CFM	ESP (IN. WC)	TYPE	DRIVE TYPE	ELECTRICAL DATA				BASIS OF DESIGN		COMMENTS	
						POWER	V	HZ	PH	CONTROLLER	MANUFACTURER		MODEL
EF-1	106 - ADA SHOWER	55	0.3	CEILING-MOUNT	DIRECT	15 W	115	60	1	DISCONNECT	GREENHECK	SP-A90	PROVIDE PACKAGE CEILING MOUNTED EXHAUST FAN WITH HOUSING AND GRILLE. PROVIDE WITH PACKAGE OCCUPANCY/MOTION SENSOR AND FACTORY MOUNTED DISCONNECT SWITCH.
EF-2	105 - ADA SHOWER	55	0.3	CEILING-MOUNT	DIRECT	15 W	115	60	1	DISCONNECT	GREENHECK	SP-A90	PROVIDE PACKAGE CEILING MOUNTED EXHAUST FAN WITH HOUSING AND GRILLE. PROVIDE WITH PACKAGE OCCUPANCY/MOTION SENSOR AND FACTORY MOUNTED DISCONNECT SWITCH.
EF-3	104 - WOMENS RESTROOM	195	0.3	CEILING-MOUNT	VARI-GREEN	26 W	115	60	1	ECM	GREENHECK	SP-A390-VG	PROVIDE PACKAGE CEILING MOUNTED EXHAUST FAN WITH HOUSING AND GRILLE. PROVIDE WITH PACKAGE OCCUPANCY/MOTION SENSOR AND FACTORY MOUNTED DISCONNECT SWITCH.
EF-4	100 - MENS RESTROOM	195	0.3	CEILING-MOUNT	VARI-GREEN	26 W	115	60	1	ECM	GREENHECK	SP-A390-VG	PROVIDE PACKAGE CEILING MOUNTED EXHAUST FAN WITH HOUSING AND GRILLE. PROVIDE WITH PACKAGE OCCUPANCY/MOTION SENSOR AND FACTORY MOUNTED DISCONNECT SWITCH.
EF-5	102 - ADA SHOWER	55	0.3	CEILING-MOUNT	DIRECT	15 W	115	60	1	DISCONNECT	GREENHECK	SP-A90	PROVIDE PACKAGE CEILING MOUNTED EXHAUST FAN WITH HOUSING AND GRILLE. PROVIDE WITH PACKAGE OCCUPANCY/MOTION SENSOR AND FACTORY MOUNTED DISCONNECT SWITCH.
EF-6	103 - ADA SHOWER	55	0.3	CEILING-MOUNT	DIRECT	15 W	115	60	1	DISCONNECT	GREENHECK	SP-A90	PROVIDE PACKAGE CEILING MOUNTED EXHAUST FAN WITH HOUSING AND GRILLE. PROVIDE WITH PACKAGE OCCUPANCY/MOTION SENSOR AND FACTORY MOUNTED DISCONNECT SWITCH.
EF-7	107A - CHASE	160	0.3	CEILING-MOUNT	VARI-GREEN	26 W	115	60	1	ECM	GREENHECK	SP-A390-VG	PROVIDE PACKAGE CEILING MOUNTED EXHAUST FAN WITH HOUSING AND GRILLE. PROVIDE WITH 12-HOUR TWIST TIMER FOR CONTROL.

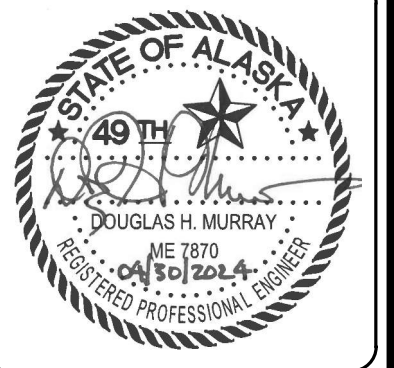
**UNIT HEATER SCHEDULE**

MARK	AREA SERVED	DESCRIPTION	CAPACITY (MBH)	AIR FLOW (CFM)	ELECTRICAL			BASIS OF DESIGN		NOTES
					POWER	VOLTS	PHASE	MANUFACTURER	MODEL	
EUH-1	104 - WOMENS RESTROOM	COMPACT FAN FORCED CABINET HEATER	17	210 CFM	5 kW	208	3	KING ELECTRIC	KCF4-2050	PROVIDE WITH FACTORY MOUNTED DISCONNECT SWITCH AND FACTORY MOUNTED THERMOSTAT.
EUH-1	100 - MENS RESTROOM	COMPACT FAN FORCED CABINET HEATER	17	210 CFM	5 kW	208	3	KING ELECTRIC	KCF4-2050	PROVIDE WITH FACTORY MOUNTED DISCONNECT SWITCH AND FACTORY MOUNTED THERMOSTAT.
EUH-2	107A - CHASE	CEILING MOUNTED COMPACT UNIT HEATER	16.2	270 CFM	4750 W	208	1	KING ELECTRIC	KBP2406	PROVIDE WITH FACTORY MOUNTED DISCONNECT SWITCH AND INTEGRAL FACTORY MOUNTED THERMOSTAT.

**FINNED TUBE SCHEDULE - ELECTRIC**

MARK	TYPE	ELECTRICAL			BASIS OF DESIGN		COMMENTS
		CAPACITY (W)	V	PH	MANUFACTURER	MODEL	
EBB-1	ELECTRIC BASEBOARD	1750	208	1	REZNOR	EBHB 1750W	PROVIDE WITH FACTORY MOUNTED THERMOSTAT.

CONSULTANT:



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 AEC0163270



PROJECT:  
**MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**

SKAGWAY, AK

SHEET TITLE:  
**SCHEDULES**

CONSTRUCTION DOCUMENTS

DESIGN	MD
DRAWN	TK
CHECKED	DM
DATE	04/30/2024

PROJECT No.  
**I1014.23011**  
 SHEET NUMBER

**M-002**

No.	Date	Item
REVISIONS		

4/30/2024 3:42:41 PM Autocad Doc: //1014.23011 - MOS Pullen Creek R/V Park Restroom/NE-MECH-1014.23011\_RV231.rvt

### GRAVITY VENTILATOR HOOD SCHEDULE

NOTES:

MARK	SERVICE	CONNECTION SIZE (IN)	MAX PRESSURE DROP (IN. W.C.)	BASIS OF DESIGN		COMMENTS
				MANUFACTURER	MODEL	
H-1	RESTROOM OUTSIDE AIR INTAKE HOOD	24 X 12	0.038	GREENHECK	FGI	SUPPLY WITH INSULATED ROOF CURB AND BIRD SCREEN. COLOR PER ARCHITECT.
H-2	RESTROOM EXHAUST AIR RELIEF HOOD	24 X 12	0.038	GREENHECK	FGR	SUPPLY WITH INSULATED ROOF CURB AND BIRD SCREEN. COLOR PER ARCHITECT.

### TANK SCHEDULE

NOTES:

MARK	SERVICE	DIMENSIONS (DIA" x L")	VOLUME	COMMENTS
LPT-1	HEATING	119 x 37.5	500 GAL	COORDINATE WITH LOCAL LP SERVICE PROVIDER. INSTALL NEW 6" THICK REINFORCED CONCRETE PAD UNDER TANK. INSTALL BOLLARDS. SEE CIVIL PLANS.

CONSULTANT :



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PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**  
**SKAGWAY, AK**

SHEET TITLE :  
**SCHEDULES**  
**CONSTRUCTION DOCUMENTS**

DESIGN *MD*  
 DRAWN *TK*  
 CHECKED *DM*  
 DATE 04/30/2024

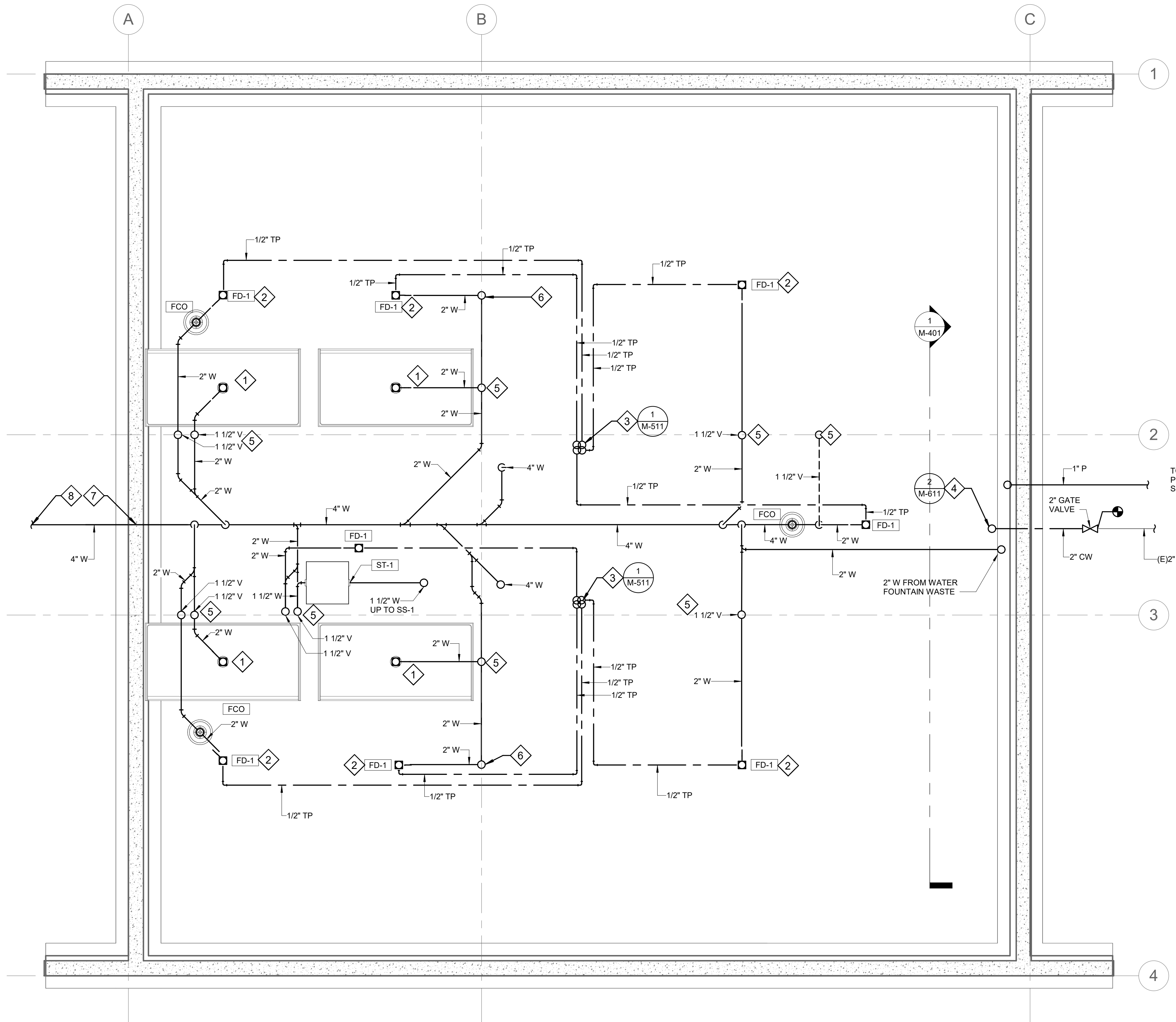
PROJECT No.  
**11014.23011**  
 SHEET NUMBER

# M-003

No.	Date	Item
REVISIONS		

1" IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES.

4/30/2024 3:42:42 PM Autocad Doc: //1014.23011 - MOS Pullen Creek RV Park Restroom(NF-AECH-1014.23011\_RV23).rvt



### SHEET NOTES

- RESTROOM FIXTURES WILL CONNECT TO MUNICIPALITY OF SKAGWAY DOMESTIC WATER AND SANITARY SEWER SYSTEMS (NOT SHOWN).

### SHEET KEYNOTES

- ROUTE 2" W TO SHOWER DRAIN P-TRAPS.
- ROUTE 2" V TO FLOOR DRAIN P-TRAPS. PROVIDE TRAP PRIMER CONNECTIONS TO FLOOR DRAINS.
- TRAP PRIMER LINES FROM TRAP PRIMER VALVE ABOVE.
- 2" CW UP TO WATER SERVICE ENTRANCE.
- ROUTE 1-1/2" V UP IN WALL OR IN PLUMBING CHASE ABOVE.
- ROUTE 2" W UP TO WCO IN WALL ABOVE, 1-1/2" V UP FROM CLEANOUT TO VENT HEADER.
- ROUTE 4" W THROUGH 6" PIPE SLEEVE UNDER FOOTING AND EXTENDING 6" BEYOND BOTH SIDES OF FOOTING.
- ROUTE 4" W TO NEW MANHOLE. SEE CIVIL FOR CONTINUATION.

CONSULTANT:



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 AEOC 63270

PROJECT:  
**MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**  
 SKAGWAY, AK

SHEET TITLE:  
**UNDERFLOOR PLAN - PLUMBING**  
 CONSTRUCTION DOCUMENTS

DESIGN	MD
DRAWN	TK
CHECKED	DM
DATE	04/30/2024

PROJECT No.  
**I1014.23011**  
 SHEET NUMBER

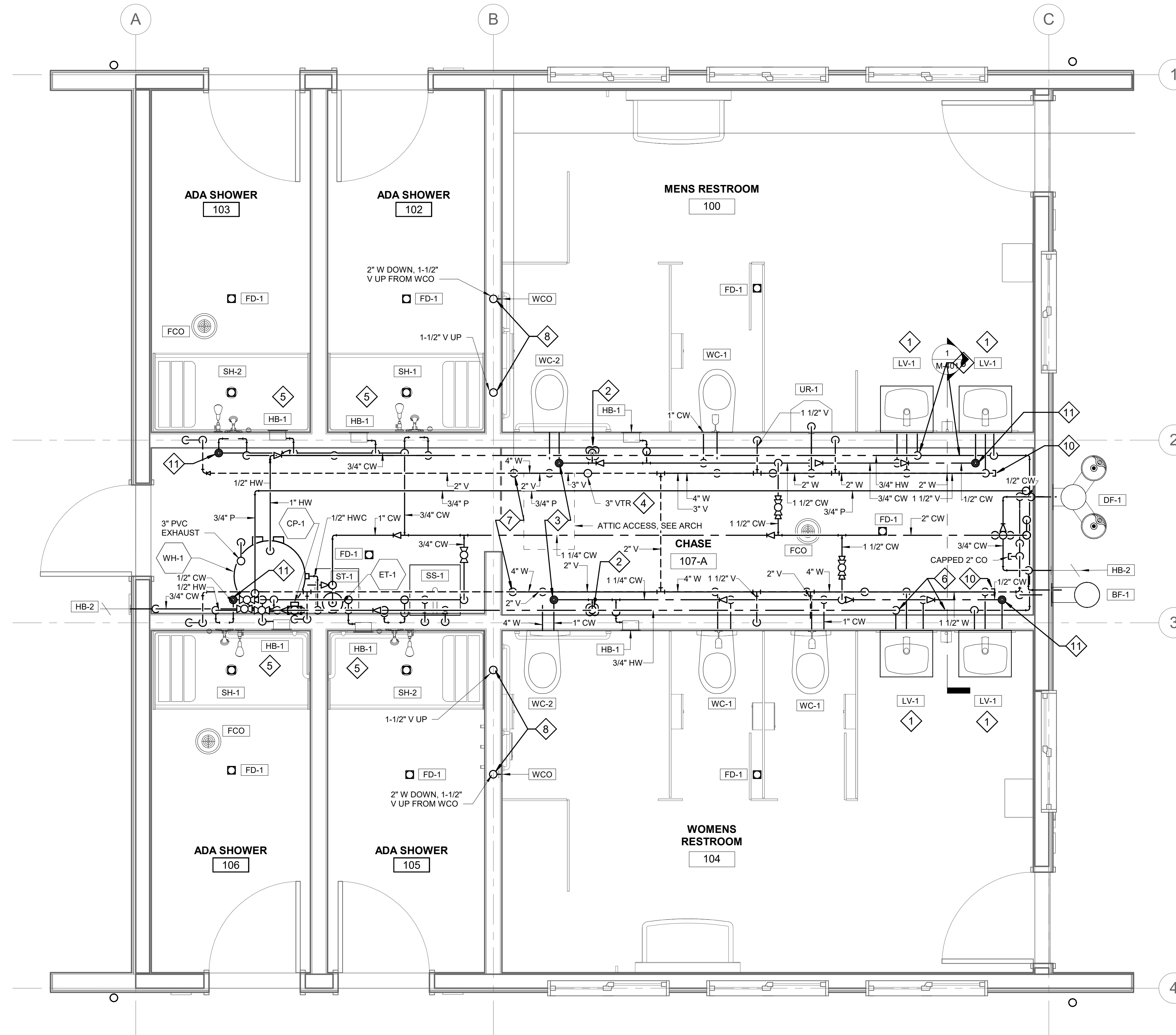
# M-110

**1 UNDERFLOOR PLAN - PLUMBING**  
 M-110 SCALE: 1/2" = 1'-0"

No.	Date	Item
REVISIONS		

IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES.

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**1** FIRST FLOOR PLAN - PLUMBING  
M-111 SCALE: 1/2" = 1'-0"

**SHEET NOTES**

1. SLOPE WATER SUPPLY PIPING AND PROVIDE LOW-POINT DRAINS TO PERMIT DRAINING THE WATER LINES FOR WINTERIZATION.

**SHEET KEYNOTES**

- 1 PROVIDE ASSE -1070 HOT WATER TEMPERING VALVES AT EACH LAVATORY OR GROUP OF LAVATORIES.
- 2 PROVIDE FLOOR DRAIN TRAP PRIMER VALVE WITH DISTRIBUTION UNIT AND ROUTE TRAP PRIMER LINES TO EACH FLOOR DRAIN TRAP.
- 3 PROVIDE WATER HAMMER ARRESTER, PDI SIZE "B" ON COLD WATER SUPPLY AHEAD OF LAST WATER CLOSET, TYP OF 2.
- 4 ROUTE 3" V UP TO 3" VTR.
- 5 MOUNT HB-1 WASHDOWN HOSE BIBS IN SHOWER STALLS AT 6'-0" AFF, TYP.
- 6 ROUTE 3/4" HW SUPPLY TO PASS BELOW THE LAVATORY HW SUPPLY ROUGH-IN LOCATIONS TO PROVIDE INSTANT HW SUPPLY TO THE FIXTURES.
- 7 PROVIDE A SANITARY WYE WHERE WASTE PIPE DROPS BELOW GRADE WITH A CLEANOUT CAP ON THE TOP END. CLEANOUT CAP TO BE 20" ABOVE FINISHED FLOOR.
- 8 ROUTE 1-1/2" V UP IN WALL TO 1-1/2" V HEADER ROUTED IN ATTIC SPACE AND CONNECTING TO 3" VTR.
- 9 PROVIDE 4" SANITARY WYE AHEAD OF FIRST WATER CLOSET WITH VERTICAL 4" UP TO CLEANOUT CAP. CLEANOUT CAP TO BE 20" ABOVE FINISHED FLOOR.
- 10 PROVIDE CLEANOUT CAP ON HORIZONTAL 2" W AT UPPER END OF 2" W, TYP. OF 2.
- 11 PROVIDE WATER HAMMER ARRESTER, PDI SIZE "A" ON COLD WATER SUPPLY AHEAD OF LAST LAVATORY AND SHOWER VALVE, TYP OF 4.

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PROJECT:  
**MUNICIPALITY OF SKAGWAY PULLEN  
CREEK R/V PARK RESTROOMS**

**SKAGWAY, AK**

SHEET TITLE:  
**FLOOR PLAN - PLUMBING  
CONSTRUCTION DOCUMENTS**

DESIGN MD  
DRAWN TK  
CHECKED DM  
DATE 04/30/2024

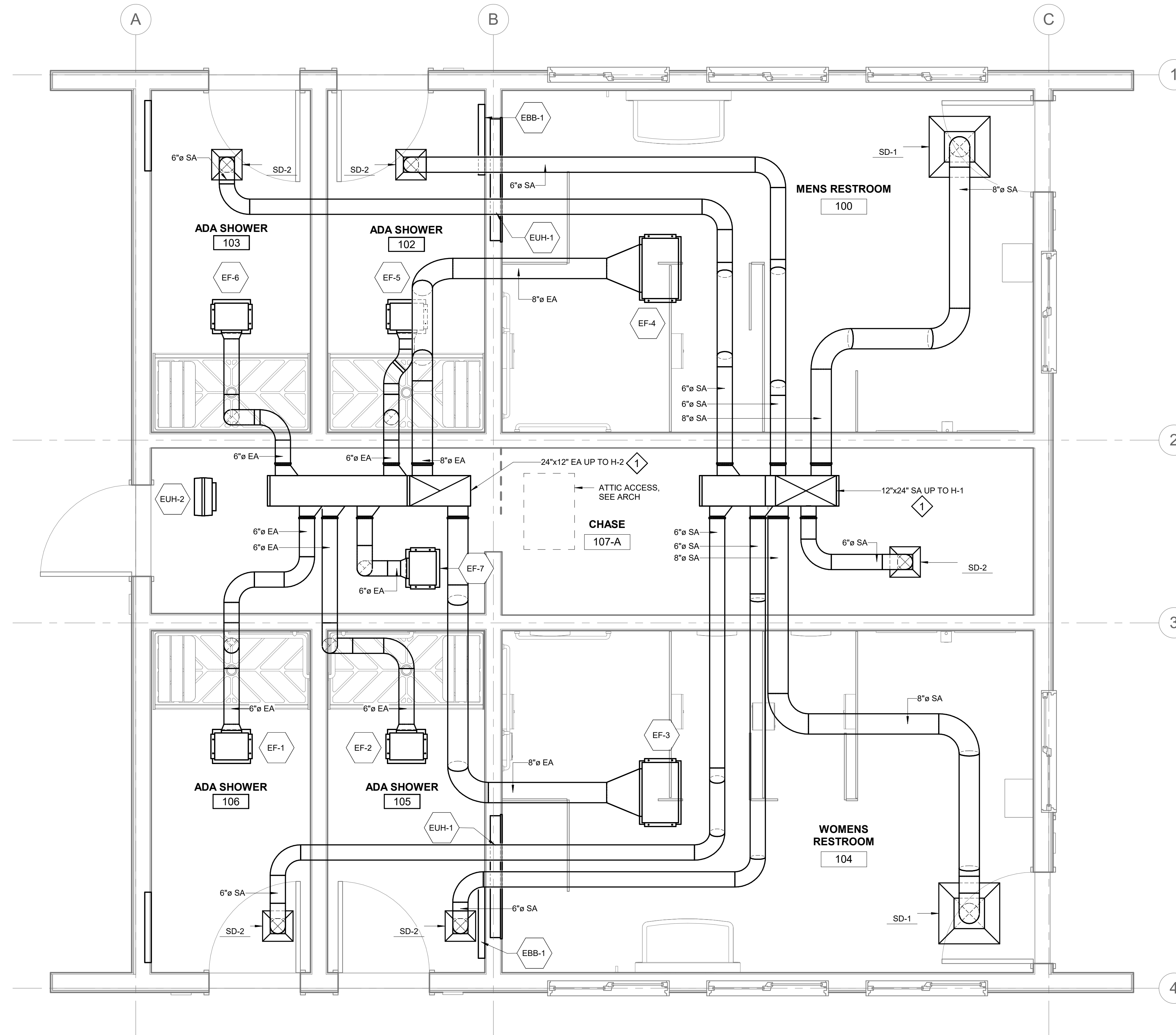
PROJECT No.  
**I1014.23011**  
SHEET NUMBER

**M-111**

No.	Date	Item
REVISIONS		

1" IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

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**1** FIRST FLOOR PLAN - HVAC  
M-121 SCALE: 1/2" = 1'-0"

**SHEET NOTES**

1. SEE SPECIFICATIONS FOR DIFFUSER INFORMATION.
2. TEST AND BALANCE ALL FANS AND DIFFUSERS.

**SHEET KEYNOTES**

- ◇ STAGGER TAKEOFFS TO AVOID CROSS-TALK OF RESTROOM GROUPS.

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PROJECT:  
**MUNICIPALITY OF SKAGWAY PULLEN  
CREEK R/V PARK RESTROOMS**

**SKAGWAY, AK**

SHEET TITLE:  
**FLOOR PLAN - HVAC  
CONSTRUCTION DOCUMENTS**

DESIGN MD  
DRAWN TK  
CHECKED DM  
DATE 04/30/2024

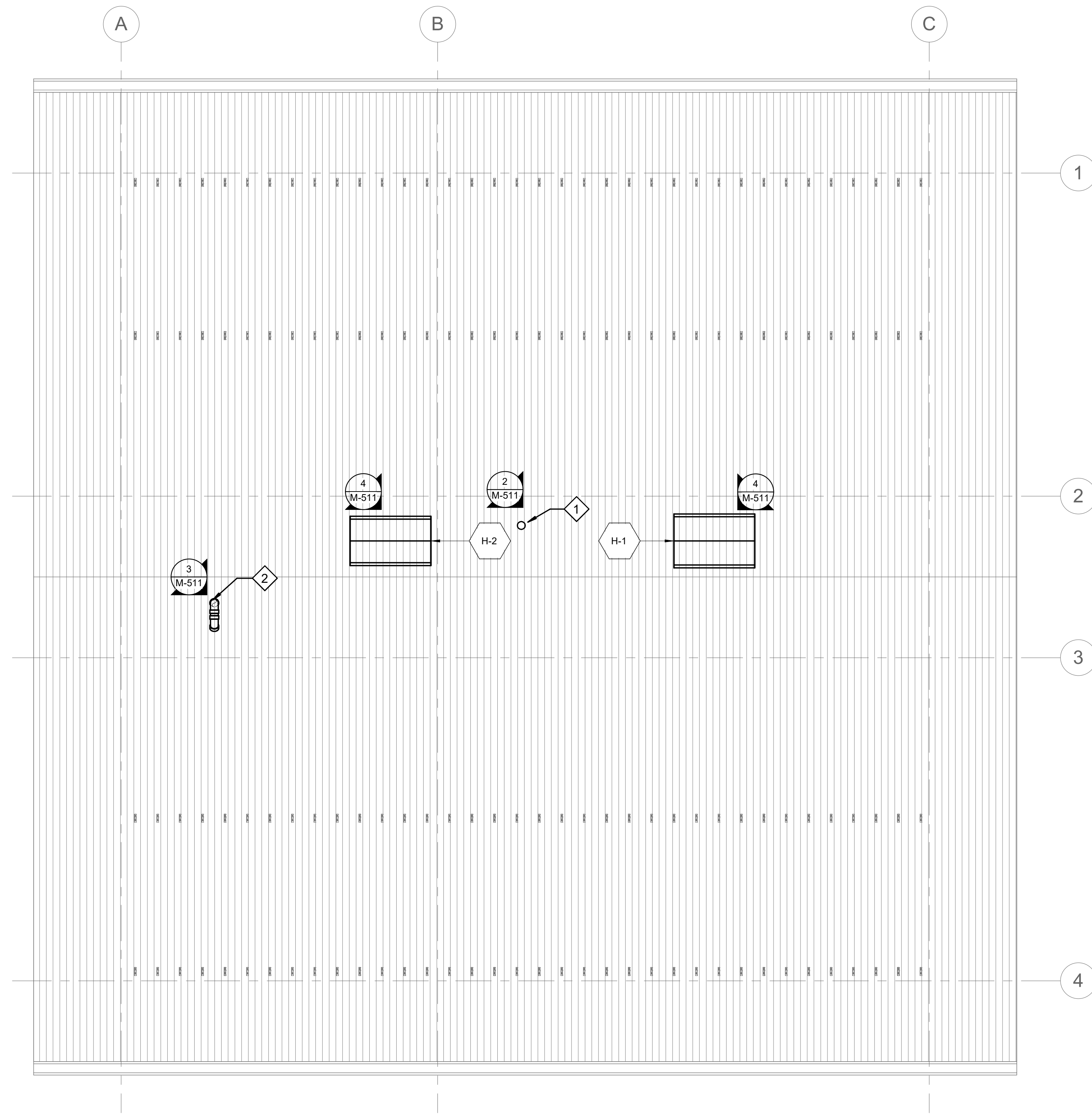
PROJECT No. I1014.23011  
SHEET NUMBER

**M-121**

No.	Date	Item
REVISIONS		

1" IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION. AFFECTING ALL LABELED SCALES

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**1 ROOF PLAN - HVAC**  
M-122 SCALE: 3/8" = 1'-0"

**SHEET NOTES**

1. COORDINATE EXACT LOCATIONS OF ROOF PENETRATIONS WITH STRUCTURAL ELEMENTS.
2. PROVIDE FLASHING AND COUNTERFLASHING AT ROOF PENETRATIONS PER ROOFING MANUFACTURER'S INSTRUCTIONS AND ARCHITECTURAL ROOF PENETRATION DETAILS.

**SHEET KEYNOTES**

- 1 3" PLUMBING VTR. EXTEND MIN. 3 FT. ABOVE AIR INTAKE HOOD H-1
- 2 3" PVC EXHAUST GOOSENECK FROM WH-1.

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PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN  
CREEK R/V PARK RESTROOMS**

**SKAGWAY, AK**

SHEET TITLE :  
**ROOF PLAN - HVAC**  
**CONSTRUCTION DOCUMENTS**

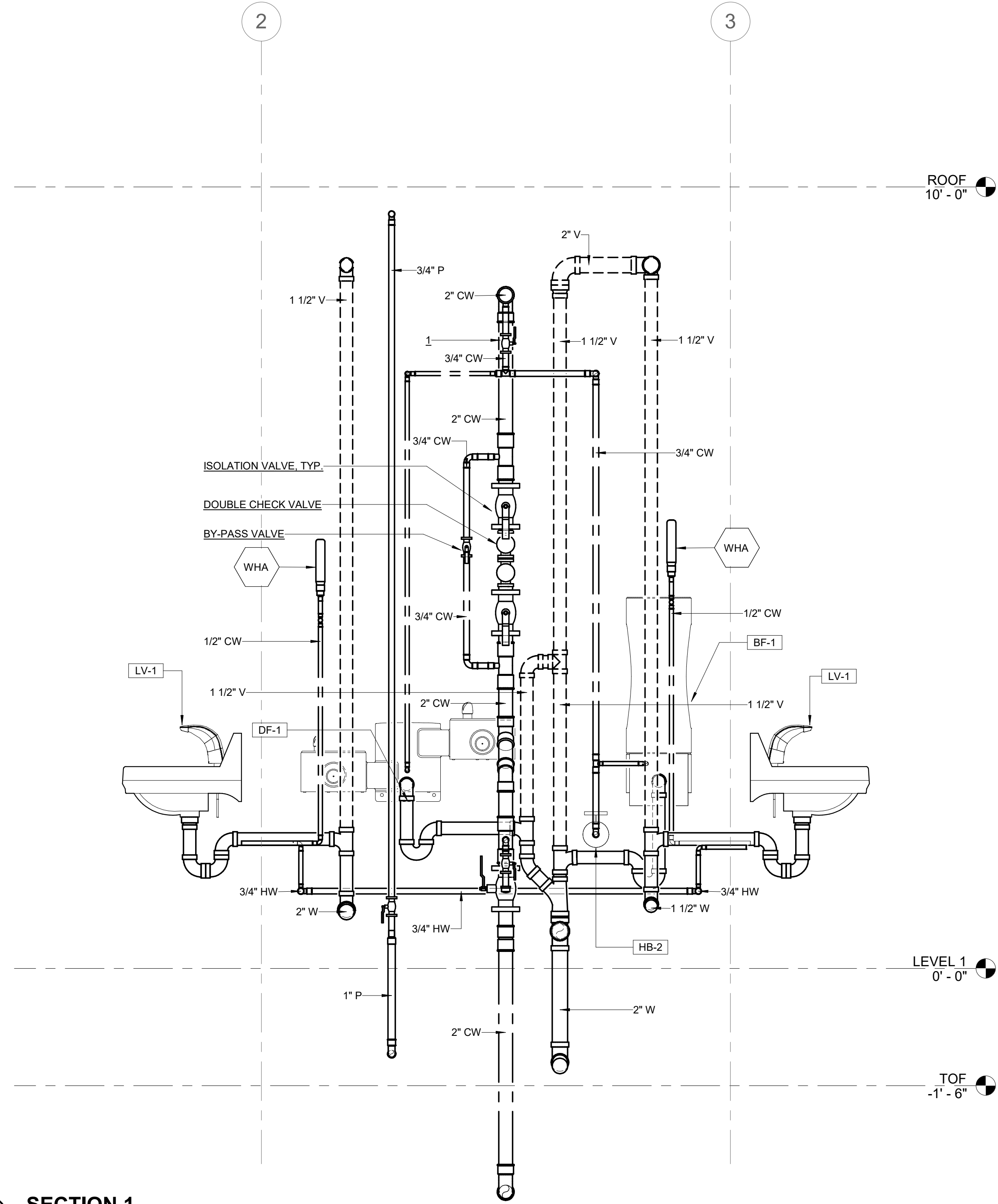
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DRAWN **TK**  
CHECKED **DM**  
DATE **04/30/2024**

PROJECT No.  
**I1014.23011**  
SHEET NUMBER

**M-122**

No.	Date	Item
REVISIONS		





**1 SECTION 1**  
 M-401 SCALE: NOT TO SCALE

CONSULTANT :



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PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN  
 CREEK R/V PARK RESTROOMS**  
**SKAGWAY, AK**

SHEET TITLE :  
**BUILDING SECTIONS**  
**CONSTRUCTION DOCUMENTS**

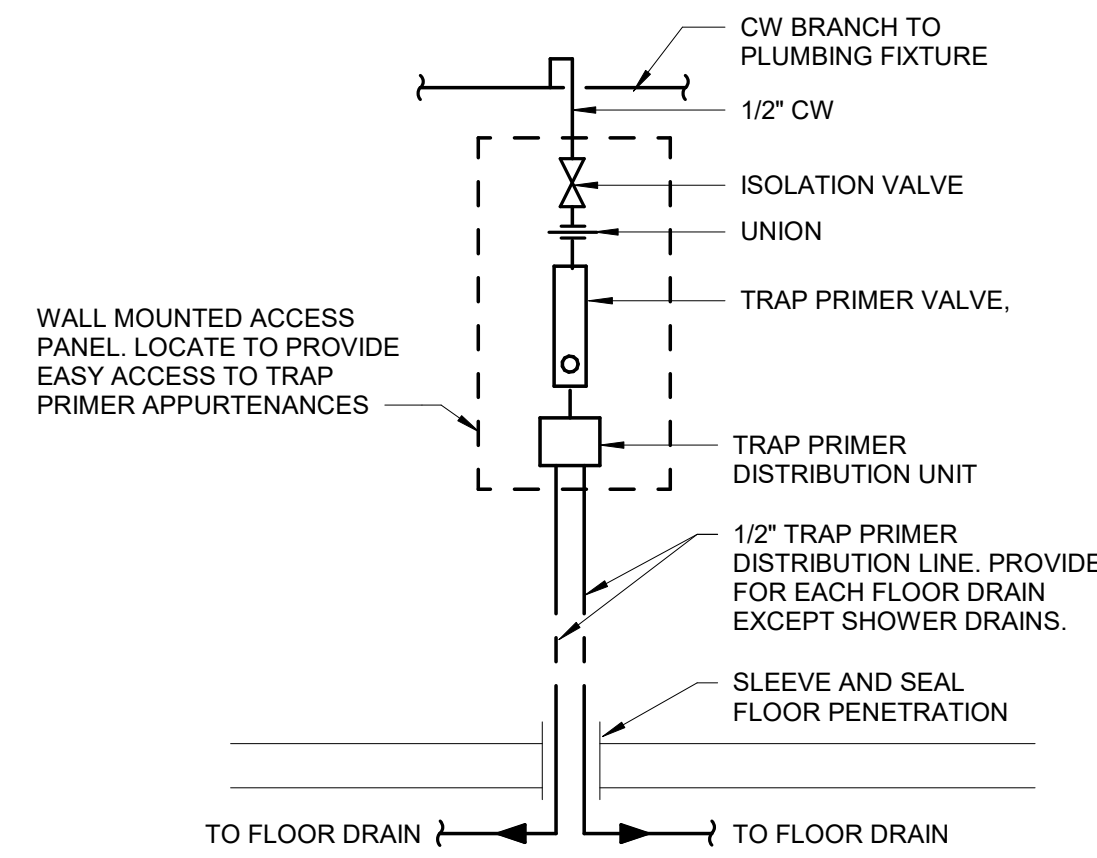
DESIGN MD  
 DRAWN TK  
 CHECKED DM  
 DATE 04/30/2024

PROJECT No.  
**11014.23011**  
 SHEET NUMBER

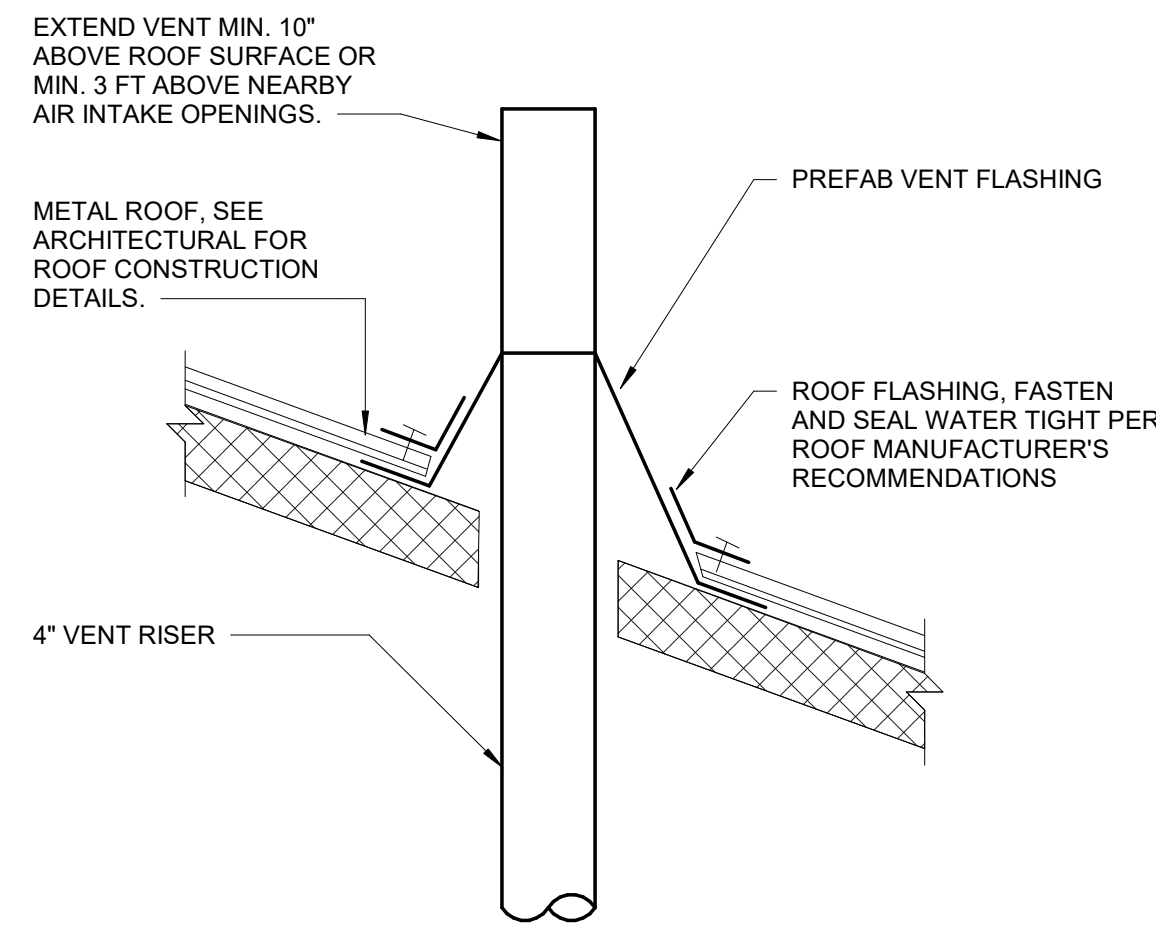
**M-401**

No.	Date	Item
REVISIONS		

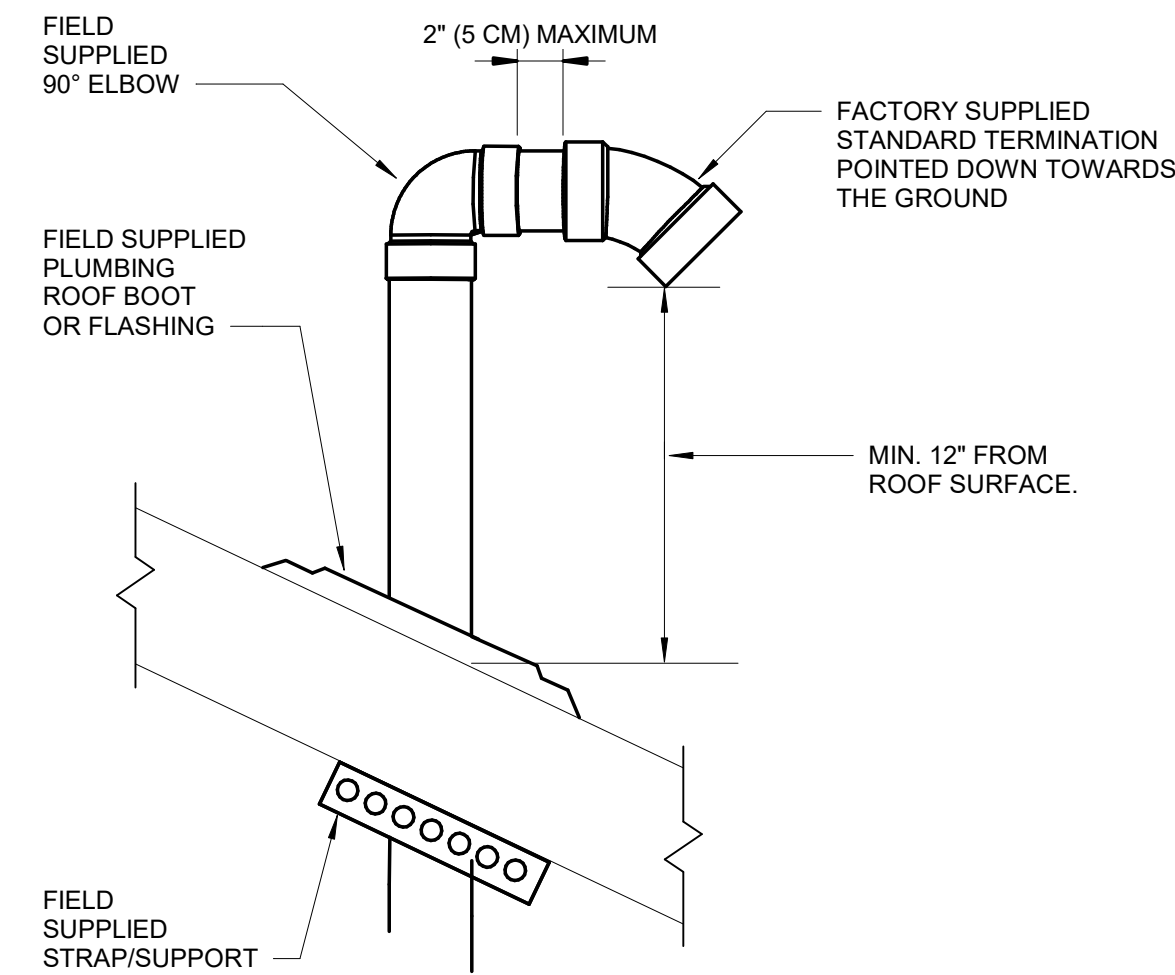
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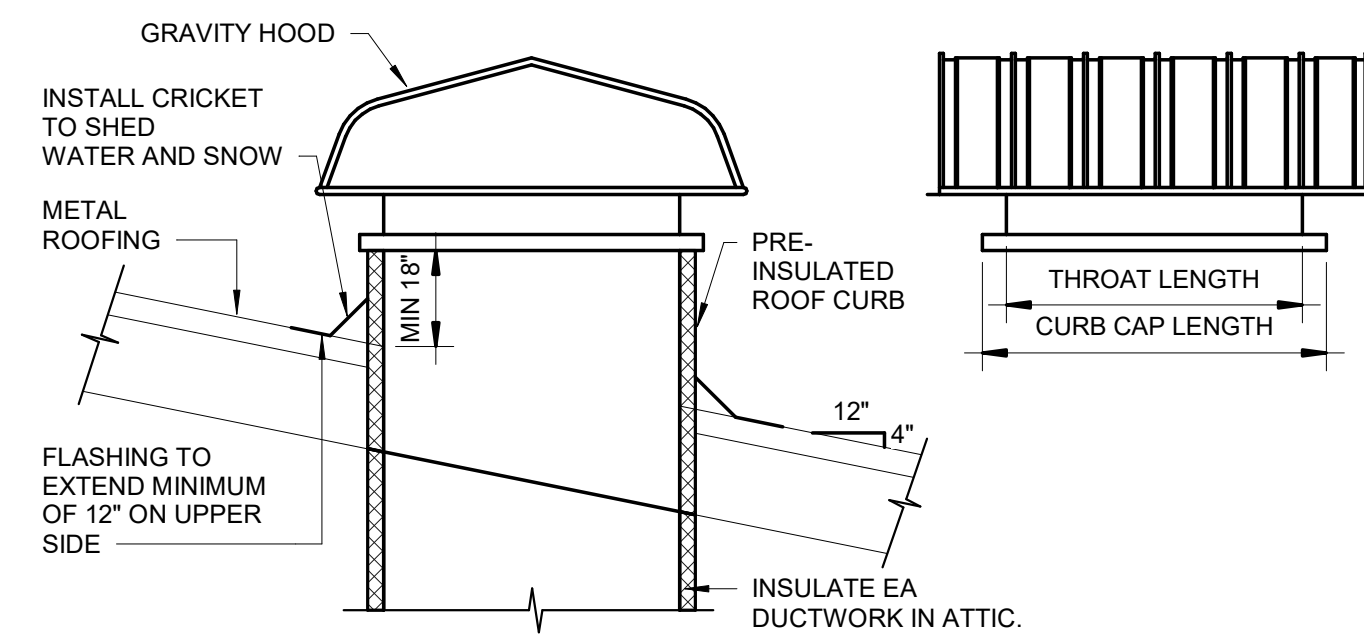
**1 TRAP PRIMER DETAIL**  
M-511 SCALE: NOT TO SCALE



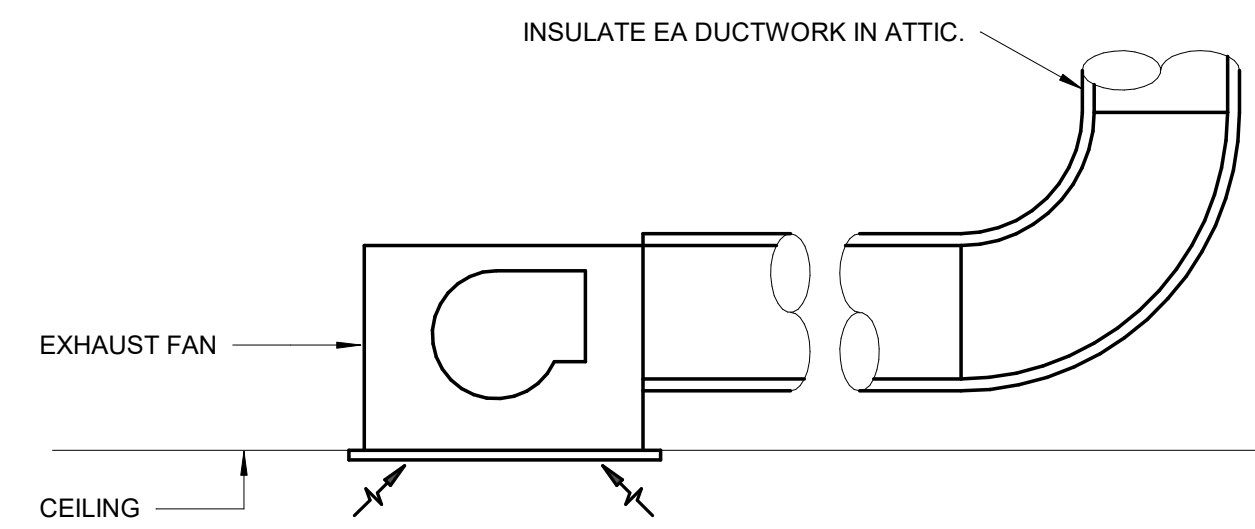
**2 VENT THROUGH ROOF DETAIL**  
M-511 SCALE: NOT TO SCALE



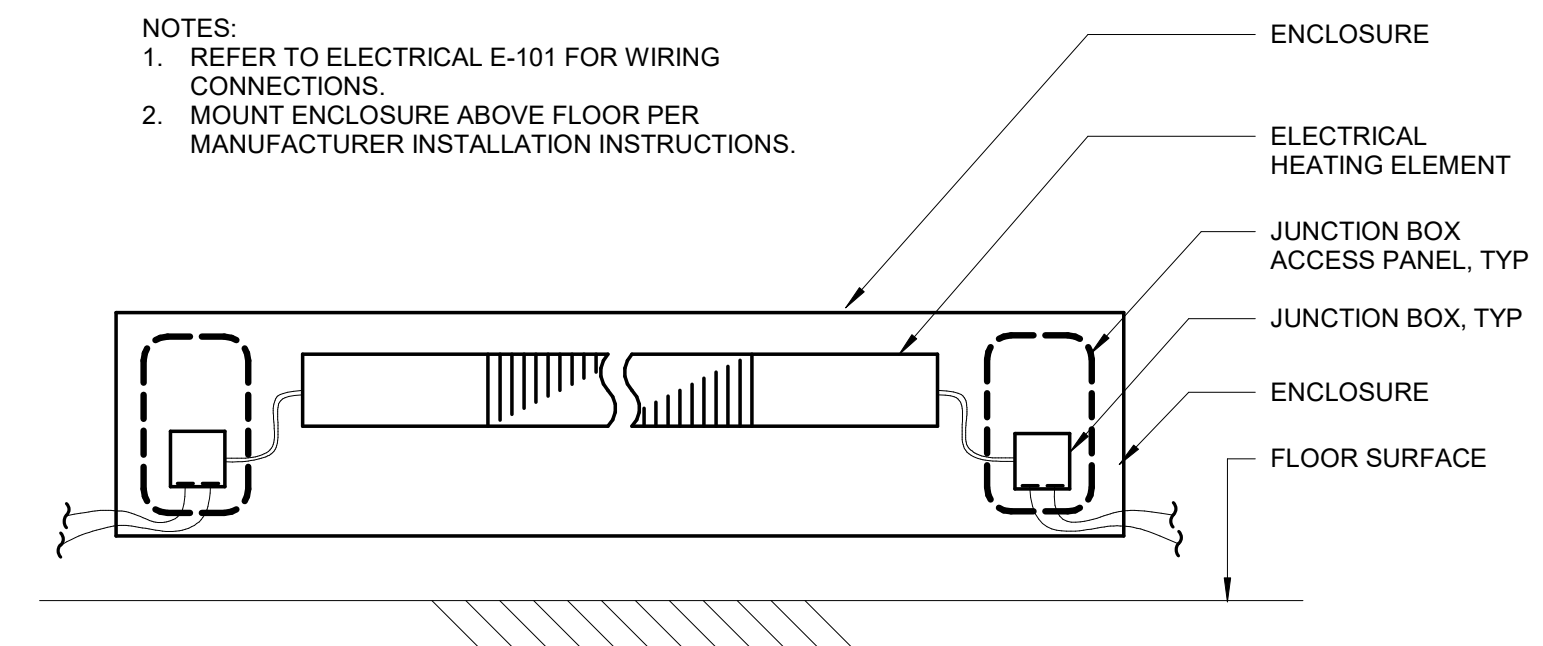
**3 DIRECT VENT FROM WH-1 DETAIL**  
M-511 SCALE: NOT TO SCALE



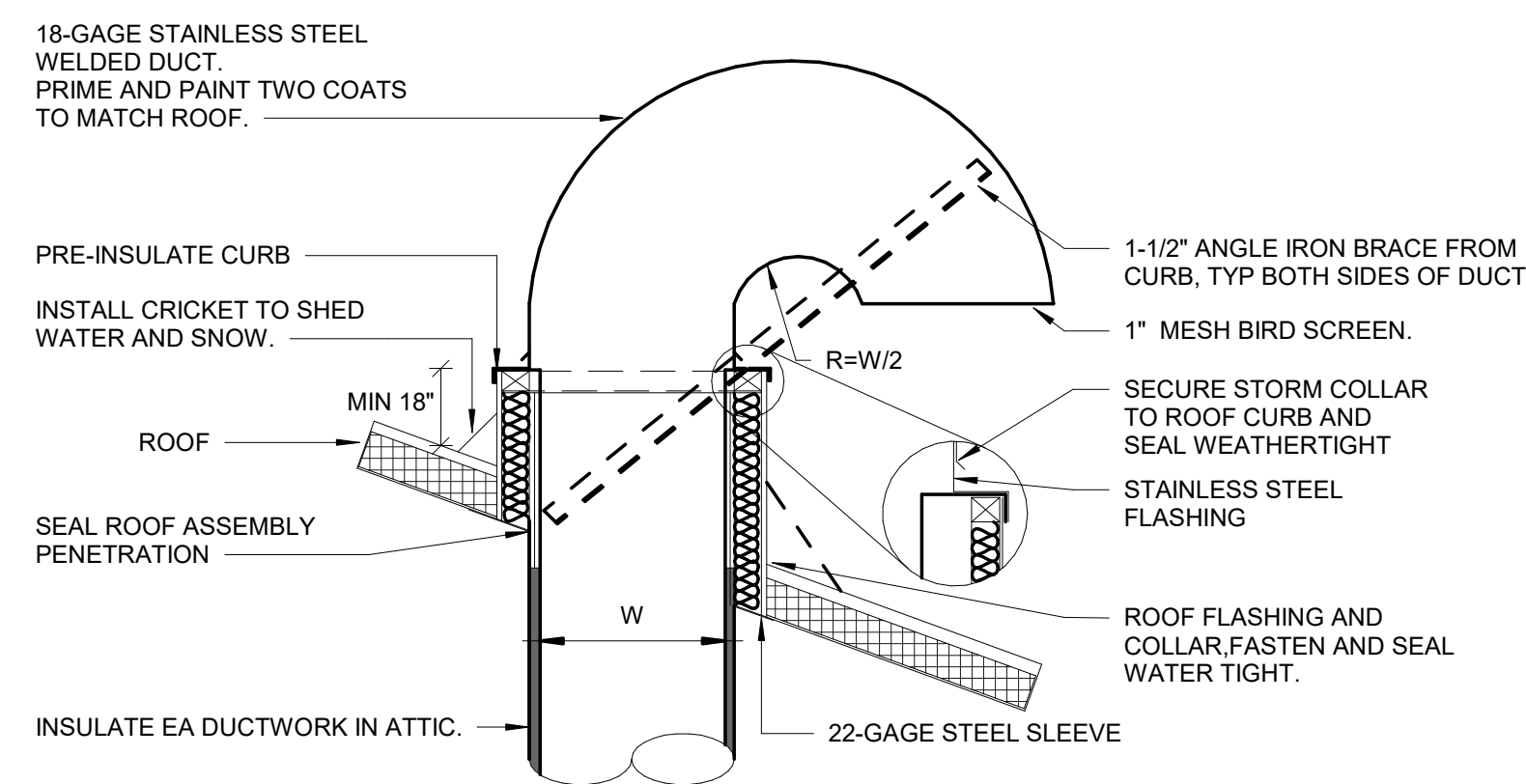
**4 ROOF AIR CAP DETAIL**  
M-511 SCALE: NOT TO SCALE



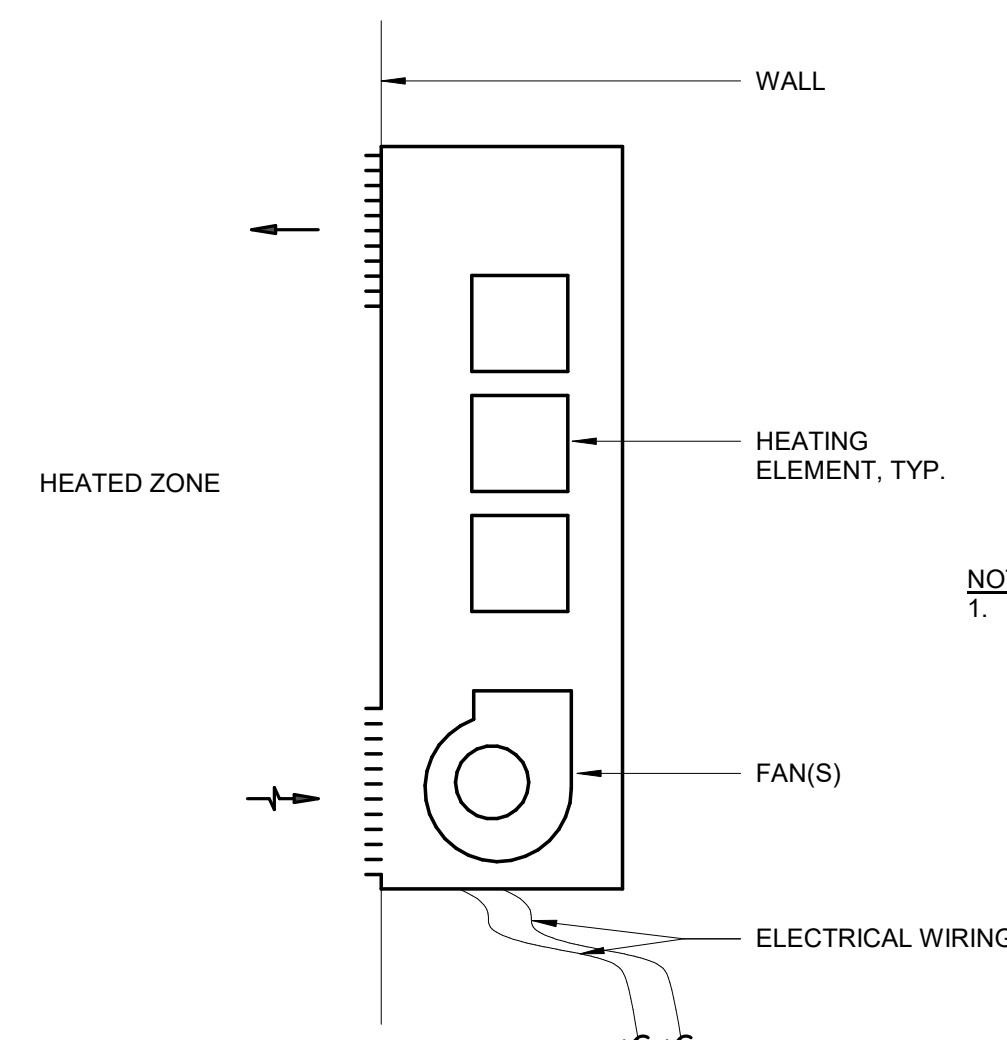
**5 EXHAUST FAN DETAIL**  
M-511 SCALE: NOT TO SCALE



**6 ELECTRIC BASEBOARD ENCLOSURE (EBB) DETAIL**  
M-511 SCALE: NOT TO SCALE



**7 GOOSENECK DETAIL**  
M-511 SCALE: NOT TO SCALE



**8 RECESSED ELECTRIC CABINET UNIT HEATER (EUH) DETAIL**  
M-511 SCALE: NOT TO SCALE

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PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN  
CREEK R/V PARK RESTROOMS**

**SKAGWAY, AK**

SHEET TITLE :  
**DETAILS**  
**CONSTRUCTION DOCUMENTS**

DESIGN MD  
DRAWN TK  
CHECKED DM  
DATE 04/30/2024

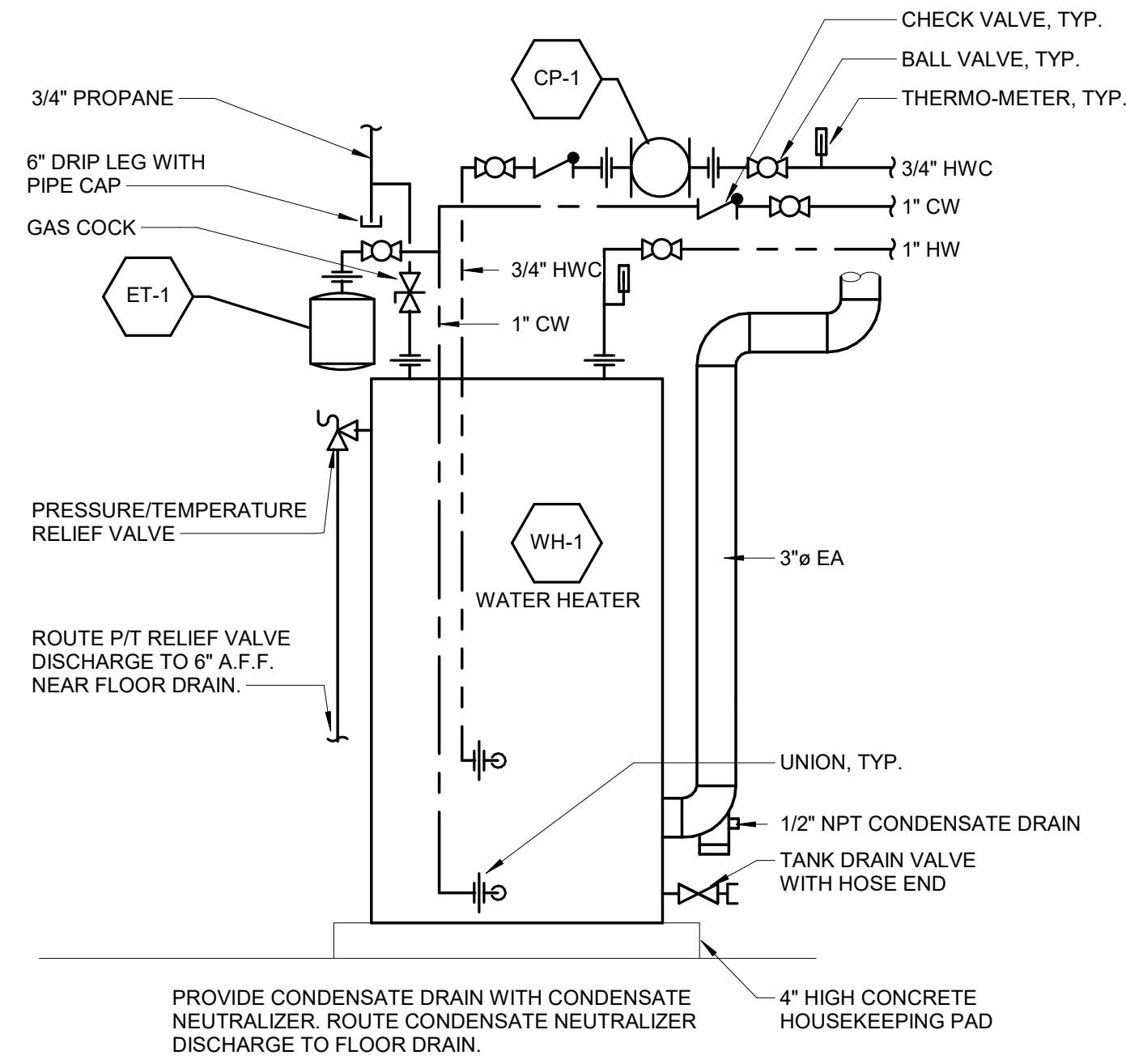
PROJECT No.  
**I1014.23011**  
SHEET NUMBER

**M-511**

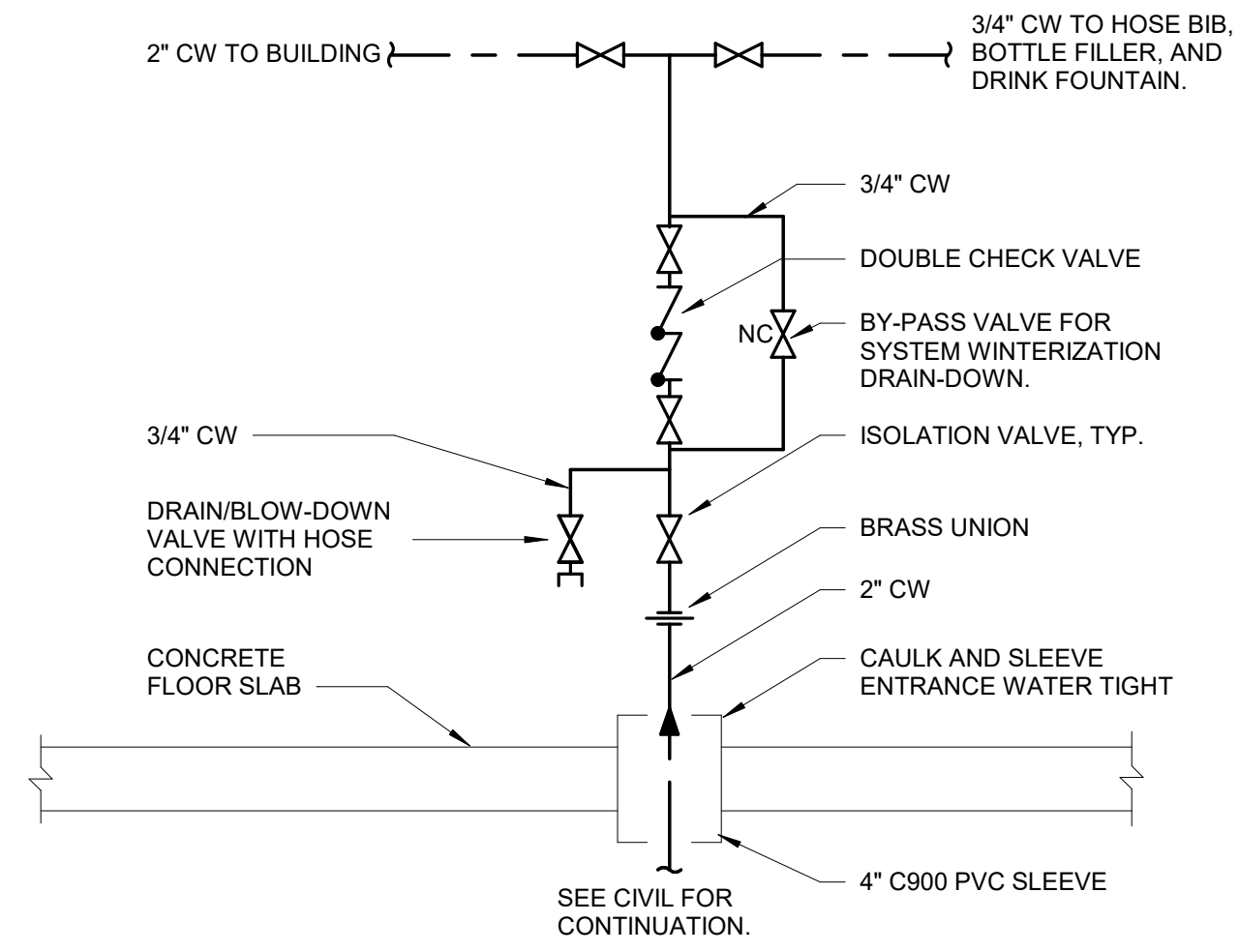
No.	Date	Item
REVISIONS		

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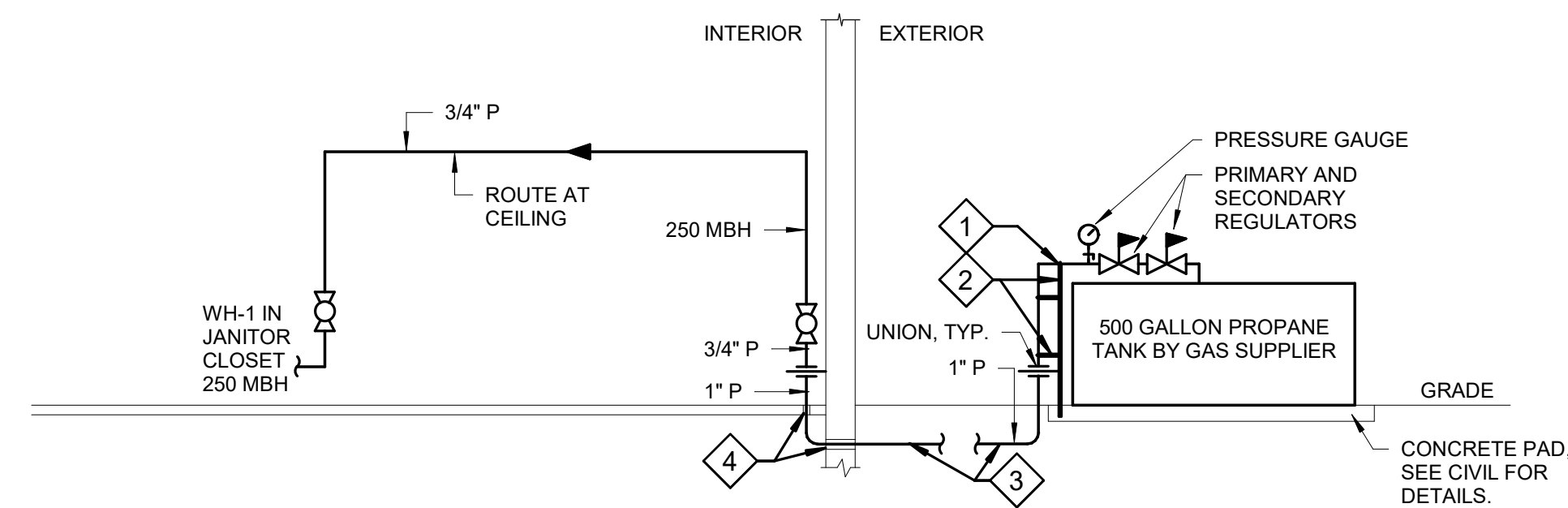
IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION. AFFECTING ALL LABELED SCALES



**1 WATER HEATER DIAGRAM**  
M-611 SCALE: NO SCALE



**2 WATER SERVICE ENTRY DIAGRAM**  
M-611 SCALE: NO SCALE

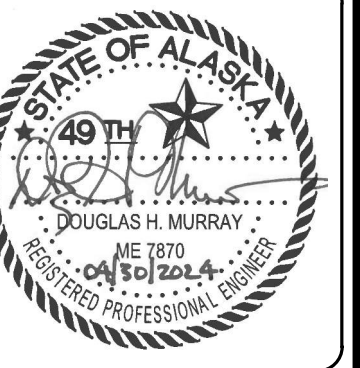


**3 PROPANE PIPING DIAGRAM**  
M-611 SCALE: NO SCALE

**SHEET KEYNOTES**

- 1 SCHEDULE 40 METALLIC PIPE. PAINT WITH PRIMER AND TWO COATS OF EXTERIOR GRADE TOP COAT, WHITE. SUPPORT PIPING WITH CONCRETE ANCHORED UNISTRUT AND STAINLESS-STEEL U-BOLTS.
- 2 PROVIDE GALVANIZED UNISTRUT BRACING ANCHORED IN CONCRETE PAD FOR VERTICAL PIPING AT THE CENTERLINE AT END OF THE TANK, LOCATED BETWEEN BOLLARDS. LOCATE BOLLARDS APPROXIMATELY TWO FEET FROM OUTSIDE OF TANK. PROVIDE FACTORY-ASSEMBLED ANODELESS TRANSITION RISER BETWEEN BURIED GAS PIPING AND SCHEDULE 40 METALLIC PIPING ROUTED UP CLEAR OF THE CONCRETE PAD.
- 3 DIRECT BURIAL POLYETHYLENE GAS PIPE. TRENCH PIPING AT LEAST 24" BELOW GRADE. BED PIPING WITH SAND WITH AT LEAST 6" IN ALL DIRECTIONS. INSTALL NEW METALLIC WARNING TAPE 12" ABOVE BURIED PIPE.
- 4 PROVIDE 2" PIPE SLEEVE THROUGH CONCRETE. CAULK AND SEAL WATER TIGHT.

CONSULTANT :



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PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN  
CREEK R/V PARK RESTROOMS**

**SKAGWAY, AK**

SHEET TITLE :  
**DIAGRAMS**

**CONSTRUCTION DOCUMENTS**

DESIGN	MD
DRAWN	TRK
CHECKED	DM
DATE	04/30/2024

PROJECT No.  
**I1014.23011**  
SHEET NUMBER

**M-611**

No.	Date	Item
REVISIONS		

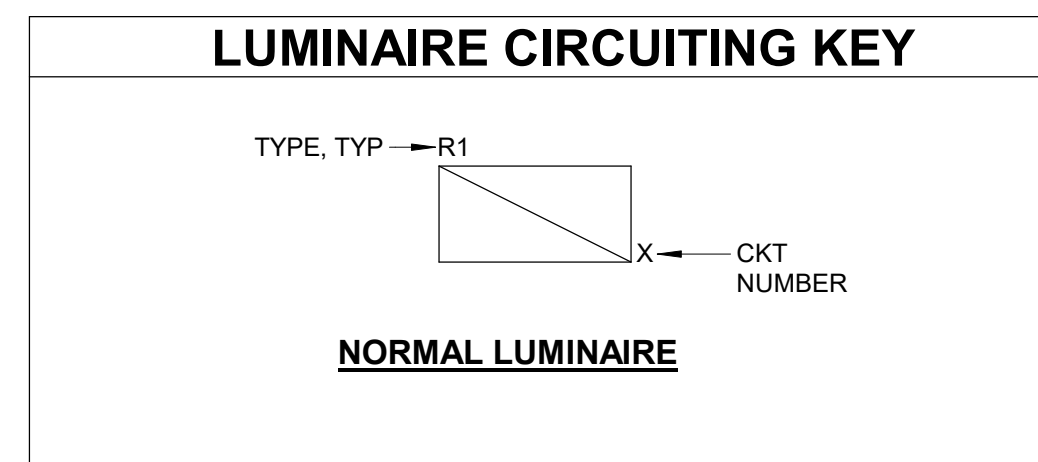
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**ABBREVIATIONS**

#	NUMBER
(D)	DEMOLISH
(E)	EXISTING
(N)	NEW
(S)	SALVAGE
+XX	DIMENSIONED HEIGHT XX INCHES AFF
A	AMPERES
AC	ALTERNATING CURRENT
AIC	AMPS INTERRUPTING CAPACITY
AMP	AMPERES
AP & T	ALASKA POWER & TELEPHONE (UTILITY)
BCU	BARE COPPER WIRE
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CONN	CONNECTED
CRI	COLOR-RENDERING INDEX
CT	CONTROL TRANSFORMER or CURRENT TRANSFORMER
DC	DIRECT CURRENT
DIA	DIAMETER
DWG	DRAWING
EGC	EQUIPMENT GROUNDING CONDUCTOR
EST	ESTIMATED
EXT	EXTERIOR
FT	FOOT
GALV	GALVANIZED
GEC	GROUNDING ELECTRODE CONDUCTOR
GFCI	GROUND-FAULT CIRCUIT INTERRUPTER (5mA)
GFPE	GROUND-FAULT PROTECTION OF EQUIPMENT (30mA)
GND	GROUND or GROUNDED
HT	HEAT TRACE
IMC	INTERMEDIATE METALLIC CONDUIT
K	KELVIN or KILO
KVA	KILOVOLT AMPERES
KWH	KILOWATT HOUR
LED	LIGHT EMITTING DIODE
LTG	LIGHTING
mA	MILLIAMPERE
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE; NFPA 70
NECA	NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NESC	NATIONAL ELECTRICAL SAFETY CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO.	NUMBER
NTS	NOT TO SCALE
P	POLE
PED.	PEDESTAL, PEDESTALS
PEDS	
PH	PHASE
PRI	PRIMARY
RCPT	RECEPTACLE
RM	ROOM
RMC	RIGID METAL CONDUIT (HOT-DIPPED GALVANIZED)
RV	RECREATIONAL VEHICLE
SEC	SECONDARY
SS	STAINLESS STEEL
TYP	TYPICAL
V	VOLTS
VA	VOLT AMPERES
W	WATT or WIRE
XFMR	TRANSFORMER

LIGHTING SYMBOLS	
	SURFACE LUMINAIRE
	WALL MOUNTED LUMINAIRE
	RECESSED LUMINAIRE, DOWNLIGHT
WIRING AND LIGHTING CONTROL DEVICE SYMBOLS	
	SINGLE POLE SWITCH
	KEY OPERATED SWITCH
	OCCUPANCY SENSOR
	PHOTOELECTRIC SWITCH/CONTROL
	CONTACTOR
	THERMOSTAT
	GROUND-FAULT CIRCUIT INTERRUPTER (GFCI) DUPLEX RECEPTACLE
	GFCI DUPLEX & USB-A/USB-C RECEPTACLE
	WET-LOCATION, WEATHERPROOF DUPLEX RECEPTACLE
	WET-LOCATION, WEATHERPROOF GFCI DUPLEX RECEPTACLE
POWER SYMBOLS	
	JUNCTION BOX
	ELECTRONIC FLUSH/FAUCET CONNECTION
	HEAT TRACE CONNECTION
	EQUIPMENT CONNECTION; XX - SEE ABBREVIATIONS
	MOTOR-STARTING SWITCH, WITHOUT OVERLOAD PROTECTION
	MOTOR CONNECTION
	ENCLOSED CIRCUIT BREAKER
	METER SOCKET
	BRANCH-CIRCUIT PANELBOARD; RECESSED, SURFACE
	DISTRIBUTION PANELBOARD
	BRANCH CIRCUIT HOME RUN TO PANELBOARD; NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS, PANEL AND CIRCUIT AS SHOWN
SITE - LINE TYPES	
	EXISTING UNDERGROUND ELECTRICAL
	UNDERGROUND ELECTRICAL
	SECONDARY OVERHEAD ELECTRICAL
	SANITARY SEWER; SEE CIVIL
	WATER; SEE CIVIL



LUMINAIRE SCHEDULE							
TYPE MARK	LOAD	DESCRIPTION	MANUFACTURER	MODEL NUMBER	MOUNTING TYPE	BALLAST OR DRIVER	NOTES
C1/9	25	0.5"x0.7"x9" LINEAR STRIP, ALUMINUM HOUSING, FROSTED ACRYLIC LENS, IP68 RATED, HIGH COLOR QUALITY, STANDARD OUTPUT, 24V, 163 LUMEN/FT, 4000K, CRI 90, ADJUSTABLE HINGE MOUNTING BRACKET, ANODIZED ALUMINUM FINISH REMOTE DRIVER, 96W, NON-DIMMING, 120-277V	LUMINII	KMW-12-108-72SO-40K-F-A-SA-B-1 DRIVER: PSV-96-24-ND-D	SURFACE	120-277V	REMOTE DRIVERS LOCATED IN CHASE NEXT TO PANEL NL01
C1/12	34	SAME AS TYPE C1/9, EXCEPT 12' LONG	LUMINII	KMW-12-144-72SO-40K-F-A-SA-B-1	SURFACE	120-277V	
D1	9	4" RECESSED SHOWER LIGHT, STEEL HOUSING, FLUSH TEXTURED ACRYLIC LENS, WHITE TRIM, INTEGRAL ELECTRONIC DRIVER, 1000 LUMENS, 3500K, CRI 85	GOTHAM	EVO4SH 35/10 DFF SOL MVOLT EZ1	RECESSED	120-277V	
D1E	9	SAME AS TYPE D1, WITH EMERGENCY BATTERY PACK	GOTHAM	EVO4SH 35/10 DFF SOL MVOLT EZ1 ELR	RECESSED	120-277V	
N1	25	4' SURFACE MOUNT STRIP, STEEL HOUSING, SNAP-ON FROSTED ACRYLIC LENS, INTEGRAL ELECTRONIC DRIVER, 3000 LUMENS, 3500K, CRI 85, WHITE FINISH	LITHONIA LIGHTING	ZL1N L48 3000LM FST MVOLT 35K 80CRI WH	SURFACE	120-277V	
N1E	25	SAME AS TYPE N1, WITH EMERGENCY BATTERY PACK	LITHONIA LIGHTING	ZL1N L48 3000LM FST MVOLT 35K 80CRI E10WLCP WH	SURFACE	120-277V	
W1	57	16" WALL MOUNT LINEAR LED, EXTRUDED ALUMINUM HOUSING, CURVED LUMINOUS SURFACE OPTIC, INTEGRAL ELECTRONIC DRIVER, 350 LUMEN/FT, 3500K, CRI 85, FLAT END CAPS WITH EXTENSIONS, WHITE FINISH	AXIS LIGHTING	EL90 AR 350 80 35 CLS S(16") W UNV DP 1 MT FL EXTB(8.5")	WALL MOUNT	120-277V	MOUNT JUST BELOW CEILING
W1E	122	SAME AS TYPE W1, WITH EMERGENCY BATTERY PACK	AXIS LIGHTING	EL90 AR 350 80 35 CLS S(16") W UNV DP 1 MT FL EXTB(8.5") B(1)	WALL MOUNT	120-277V	MOUNT JUST BELOW CEILING

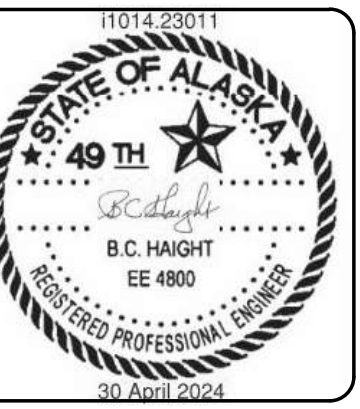
MOUNTING HEIGHT SCHEDULE	
* SWITCHES	4'-0"
* CONVENIENCE OUTLETS	1'-6"
* WEATHERPROOF RECEPTACLES	2'-0"
BRANCH PANELS (TOP)	6'-6"
DISCONNECT SWITCHES (TOP)	5'-6"
MOUNTING HEIGHTS SHALL PREVAIL ON ALL NEW CONSTRUCTION UNLESS OTHERWISE INDICATED.	
MOUNTING HEIGHTS ARE TO CENTER AND ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED.	
MOUNTING HEIGHTS FOR DEVICES ABOVE COUNTERS REQUIRED TO BE COORDINATED WITH ARCHITECTURAL ELEVATIONS.	
MOUNTING HEIGHTS FOR DEVICES FOR EQUIPMENT REQUIRED TO BE COORDINATED WITH ARCHITECTURAL ELEVATIONS.	
THESE ARE TYPICAL MOUNTING HEIGHTS. NOT ALL DEVICES ARE NECESSARILY APPLICABLE TO THIS PROJECT.	
* MOUNTING HEIGHTS COMPLY WITH ICC/ANSI A117.1-09	

ONE-LINE SYMBOLS	
	DISTRIBUTION PANEL
	PANELBOARD
	CIRCUIT BREAKER
	TRANSFORMER
	CURRENT TRANSFORMER
	METER
	FEEDER NO.
	FEEDER NO. EXISTING
	GROUND
	DELTA CONNECTION
	WYE GROUND CONNECTION
	CONNECTION
	PILOT LIGHT, RED
	RELAY COIL
	CONTACT, NORMALLY OPEN
	THERMOSTAT, NORMALLY CLOSED - OPENS ON RISE
	SWITCH, HAND-OFF-AUTO

**GENERAL ELECTRICAL NOTES**

- COMPLY WITH NFPA 70, NATIONAL ELECTRICAL CODE 2020 EDITION; AND NECA 1, STANDARD FOR GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION.
- ELECTRICAL COMPONENTS, DEVICES, ASSEMBLIES, AND ACCESSORIES ARE REQUIRED TO BE LISTED AND LABELED AS DEFINED IN NFPA 70, ARTICLE 100, BY A TESTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED USE.
- DRAWINGS SHOW THE GENERAL LOCATIONS OF THE ELECTRICAL FEATURES ONLY. UNLESS OTHERWISE INDICATED. MAKE MINOR RELOCATIONS AS REQUIRED FOR PROJECT CONDITIONS WHEN NECESSARY TO PRESENT SYMMETRICAL APPEARANCE OR TO AVOID INTERFERENCE WITH OTHER INSTALLATIONS.
- NEUTRAL CONDUCTORS SHALL NOT BE SHARED BETWEEN BRANCH CIRCUITS, UNLESS OTHERWISE INDICATED.
- PROVIDE INSULATED EQUIPMENT GROUNDING CONDUCTORS WITH ALL FEEDERS AND BRANCH CIRCUITS. TERMINATE EACH END ON SUITABLE LUG, BUS OR BUSHING. SIZE EQUIPMENT GROUNDING CONDUCTORS IN ACCORDANCE WITH NEC, UNLESS OTHERWISE INDICATED, BUT NOT SMALLER THAN NO. 12 AWG.

CONSULTANT:



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 9103 Mendocino Mall Rd, Ste. 4  
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 AEC163270

PROJECT:  
**MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**

SKAGWAY, AK

SHEET TITLE:  
**ELECTRICAL LEGENDS AND NOTES**

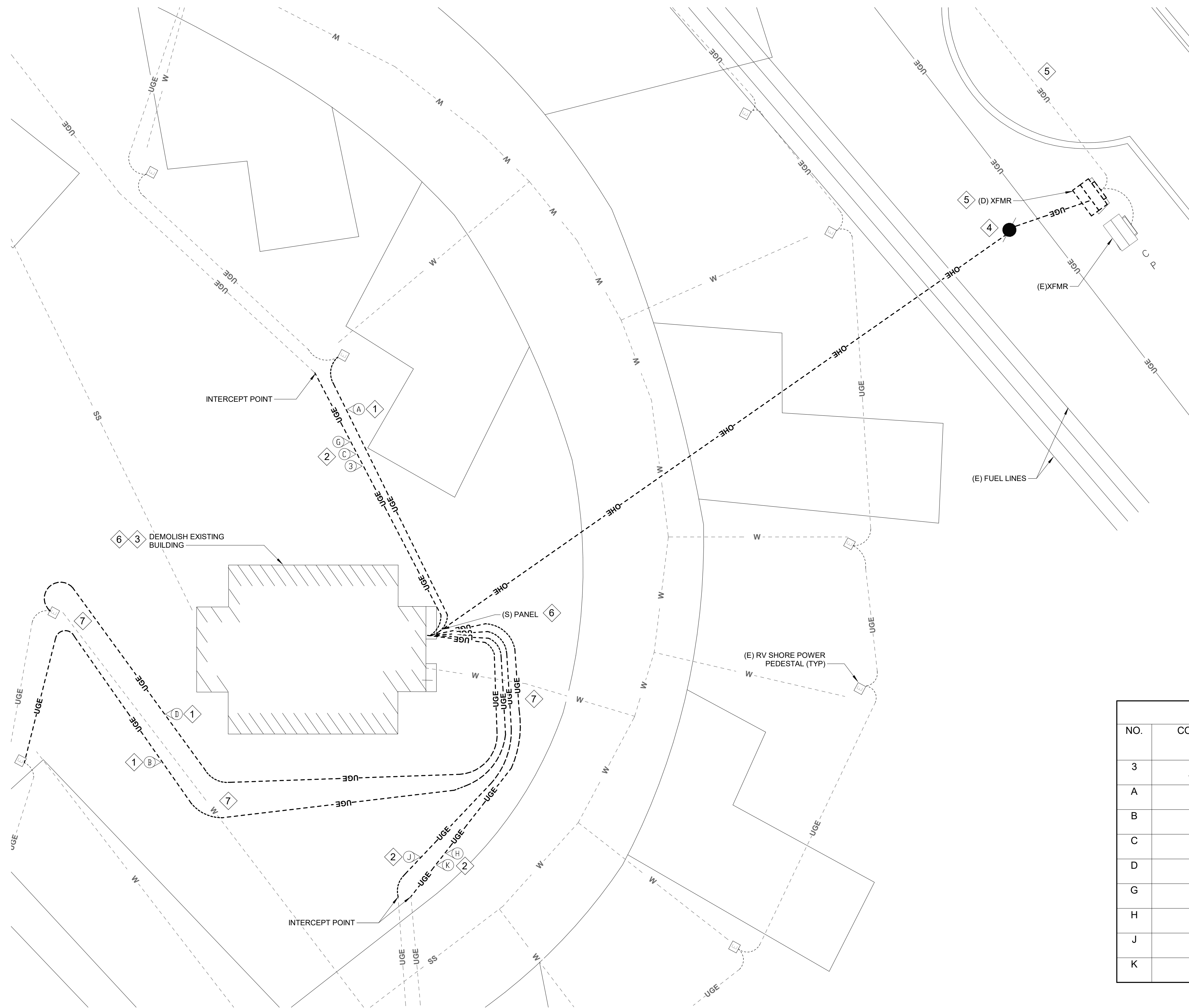
CONSTRUCTION DOCUMENTS

DESIGN	AS
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DATE	04/30/2024

PROJECT No.  
**I1014.23011**  
 SHEET NUMBER

**E-001**

No.	Date	Item
REVISIONS		



**SHEET NOTES**

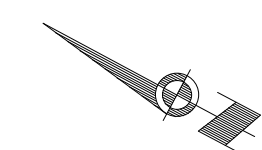
1. UNDERGROUND CIRCUITS NOT LOCATED. LOCATE UNDERGROUND CIRCUITS. ADDITIONAL UNDERGROUND CIRCUITS MAY BE PRESENT.
2. ROUTING OF RV FEEDERS IS BASED ON AS-BUILT DRAWINGS. SOME EXISTING RV FEEDERS ARE BELIEVED TO BE ROUTED TOGETHER FOR PART OF THEIR LENGTH. CONTRACTOR TO VERIFY CIRCUIT ROUTES AND CONFIGURATIONS.
3. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION ON THE DEMOLITION.
4. SOME UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS SHEET. SEE CIVIL PLANS FOR MORE INFORMATION.

**SHEET KEYNOTES #**

1. DEMOLISH CIRCUIT BACK TO FIRST PEDESTAL.
2. DEMOLISH CIRCUIT TO INTERCEPT POINT IN AREA SHOWN.
3. EXISTING BUILDING TO BE DEMOLISHED. DEMOLISH ALL ELECTRICAL EQUIPMENT IN OR ON BUILDING. DEMOLISH CIRCUITS FEEDING AND FED FROM THE BUILDING TO THE EXTENT SHOWN IN THE PLANS. PRESERVE AND PROTECT CIRCUITS FOR RECONNECTION OR REUSE AS SHOWN IN THE PLANS.
4. DEMOLISH YARD POLE, SERVICE DROP BACK TO SERVICE TRANSFORMER, AND AERIAL CABLE TO THE EXISTING BUILDING.
5. DEMOLITION AND REPLACEMENT OF SERVICE TRANSFORMER AND SERVICE FEEDER TO BE PERFORMED BY AP&T. CONTRACTOR TO COORDINATE WITH AP&T AND OWNER FOR DEMOLITION AND REPLACEMENT OF THE SERVICE FEEDER.
6. SALVAGE ALL INTERIOR ELECTRICAL PANELS AND BREAKERS AND DELIVER TO OWNER WITHOUT DAMAGE. SALVAGE SERVICE METER AND DELIVER TO AP&T WITHOUT DAMAGE.
7. UNDERGROUND UTILITIES EXPECTED IN THIS AREA. COORDINATE WITH CIVIL.
8. EXISTING FEEDER. DEMOLISH TO THE LIMITS SHOWN. CIRCUIT BEYOND LIMIT OF DEMOLITION IS TO REMAIN FOR RECONNECTION TO NEW PANEL; SEE SHEET ES102 AND ONE-LINE DIAGRAMS. EXISTING FEEDERS MAY BE ARMORED CABLE.

FEEDER SCHEDULE					
NO.	CONDUCTORS	INSULATION	RACEWAY	RUNS	REMARKS
3	3 #8 1 #10 GND	--	1-1/2"	1	OFFICE PANEL FEEDER; SEE KEYNOTE 8
A	3 #2 1 #6 GND	--	1-1/2"	1	RV FEEDER; SEE KEYNOTE 8
B	3 #1/0 1 #6 GND	--	2"	1	RV FEEDER; SEE KEYNOTE 8
C	3 #1/0 1 #6 GND	--	2"	1	RV FEEDER; SEE KEYNOTE 8
D	3 #1/0 1 #6 GND	--	2"	1	RV FEEDER; SEE KEYNOTE 8
G	3 #1/0 1 #6 GND	--	2"	1	RV FEEDER; SEE KEYNOTE 8
H	3 #1/0 1 #6 GND	--	2"	1	RV FEEDER; SEE KEYNOTE 8
J	3 #1/0 1 #6 GND	--	2"	1	RV FEEDER; SEE KEYNOTE 8
K	3 #1/0 1 #6 GND	--	2"	1	RV FEEDER; SEE KEYNOTE 8

**1 DEMOLITION SITE PLAN - ELECTRICAL**  
ES101 SCALE: 1" = 10'-0"



No.	Date	Item
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CONSULTANT :



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AECCL63270



PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN  
CREEK R/V PARK RESTROOMS**

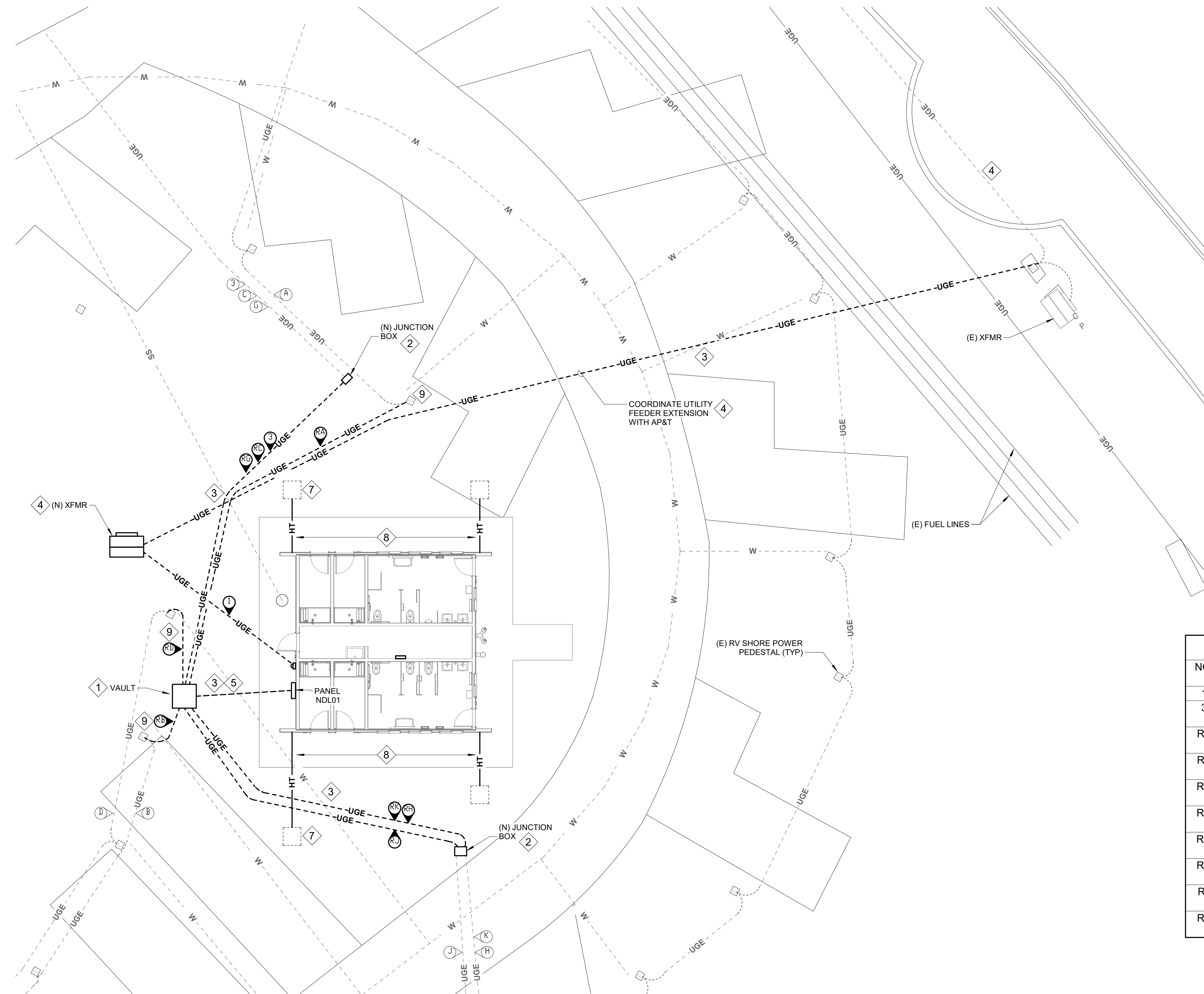
**SKAGWAY, AK**

SHEET TITLE :  
**DEMOLITION SITE PLAN  
CONSTRUCTION DOCUMENTS**

DESIGN AS  
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DATE 04/30/2024

PROJECT No.  
**I1014.23011**  
SHEET NUMBER

**ES101**



### SHEET NOTES

1. UNDERGROUND CIRCUITS NOT LOCATED. LOCATE UNDERGROUND CIRCUITS. ADDITIONAL UNDERGROUND CIRCUITS MAY BE PRESENT.
2. ROUTING OF EXISTING PORTION OF RV FEEDERS IS BASED ON AS-BUILT DRAWINGS. CONTRACTOR TO VERIFY CIRCUIT ROUTES AND CONFIGURATIONS.
3. SOME UNDERGROUND UTILITIES ARE NOT SHOWN ON THIS SHEET. SEE CIVIL PLANS FOR MORE INFORMATION. COORDINATION WILL BE NECESSARY DURING CONSTRUCTION.
4. SEE SHEET ES101 FOR SCHEDULE OF EXISTING FEEDERS.

### SHEET KEYNOTES #

1. PROVIDE NEW 4' X 4' VAULT FOR NEW RV FEEDERS TO ROUTE THROUGH. SEE DETAIL 3 SHEET ES103.
2. PROVIDE TYPE 1A JUNCTION BOX AT INTERCEPT POINT; SPLICE EXISTING CABLE TO NEW CABLE IN JUNCTION BOX.
3. UNDERGROUND UTILITIES EXPECTED IN THIS AREA. COORDINATE WITH CIVIL.
4. NEW TRANSFORMER BY AP&T. PROVIDE CONCRETE PAD PER AP&T REQUIREMENTS. EXCAVATE TRENCH AND BACKFILL FROM THE ROAD TO THE NEW TRANSFORMER FOR THE AP&T MEDIUM VOLTAGE FEEDER.
5. PROVIDE SIX (6) 3" CONDUITS FROM PANEL NDL01 TO NEW VAULT. ROUTE THREE RV FEEDER CIRCUITS (OR TWO RV CIRCUITS AND THE SINGLE OFFICE PANEL CIRCUIT) THROUGH EACH OF THREE CONDUITS. PROVIDE PULL ROPE IN EACH OF THREE EMPTY CONDUITS; THESE EMPTY CONDUITS WILL BE SPARES FOR FUTURE RV PARK EXPANSION.
6. CONFIRM ROUTE AND CONFIGURATION OF EXISTING PORT OF CIRCUIT. ROUTE NEW PORTION ACCORDINGLY. SOME FEEDERS MAY SHARE A TRENCH.
7. ROUTE CABLES AROUND NEW DRYWELLS. SEE DETAIL 3 SHEET C-401 FOR DETAILS OF DRYWELLS.
8. PROVIDE HEAT TRACE CABLE THROUGH DOWNSPOUTS AND DRAIN PIPE TO DRYWELLS. SEE DETAIL 3 SHEET C-401 & DETAIL 1 SHEET E-401.
9. CONNECT NEW CABLE TO EXISTING CIRCUIT AT FIRST PEDESTAL.

### FEEDER SCHEDULE

NO.	CONDUCTORS	INSULATION	RACEWAY	RUNS	REMARKS
1	4 #400 kCMIL	XHHW	3" HDPE	3	
3	3 #8 1 #10 EGC	XHHW	1" HDPE	1	SEE KEYNOTE 6
RA	3 #2 1 #8 EGC	XHHW	2" HDPE	1	SEE KEYNOTE 6
RB	3 #2/0 1 #6 EGC	XHHW	2" HDPE	1	SEE KEYNOTE 6
RC	3 #3/0 1 #6 EGC	XHHW	2" HDPE	1	SEE KEYNOTE 6
RD	3 #2/0 1 #6 EGC	XHHW	2" HDPE	1	SEE KEYNOTE 6
RG	3 #3/0 1 #6 EGC	XHHW	2" HDPE	1	SEE KEYNOTE 6
RH	3 #3/0 1 #6 EGC	XHHW	2" HDPE	1	SEE KEYNOTE 6
RJ	3 #3/0 1 #6 EGC	XHHW	2" HDPE	1	SEE KEYNOTE 6
RK	3 #3/0 1 #6 EGC	XHHW	2" HDPE	1	SEE KEYNOTE 6

**1** SITE PLAN - ELECTRICAL  
ES102 SCALE: 1" = 10'-0"

No.	Date	Item
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CONSULTANT :



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AEC0163270



PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN  
CREEK R/V PARK RESTROOMS**

**SKAGWAY, AK**

SHEET TITLE :  
**ELECTRICAL SITE PLAN  
CONSTRUCTION DOCUMENTS**

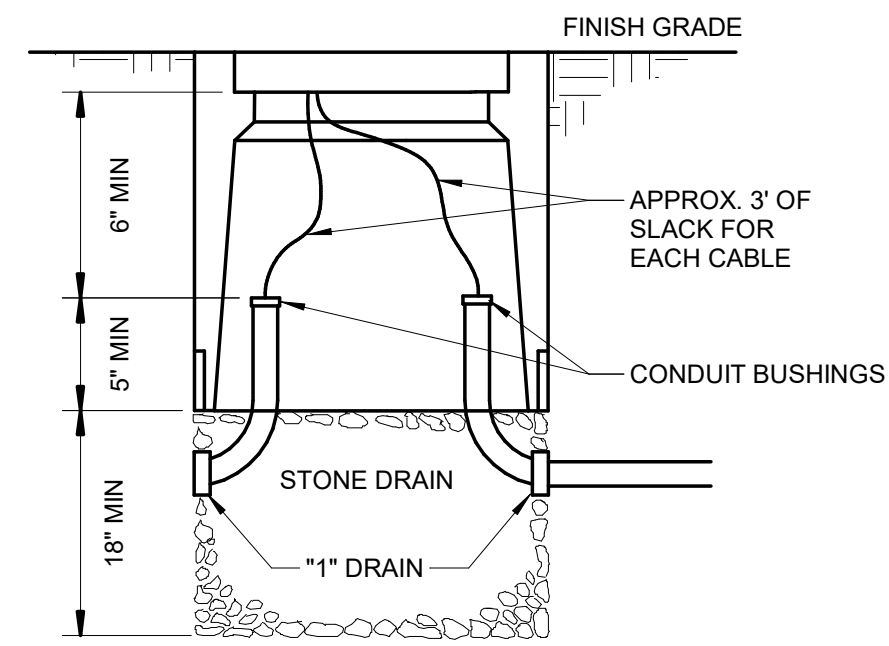
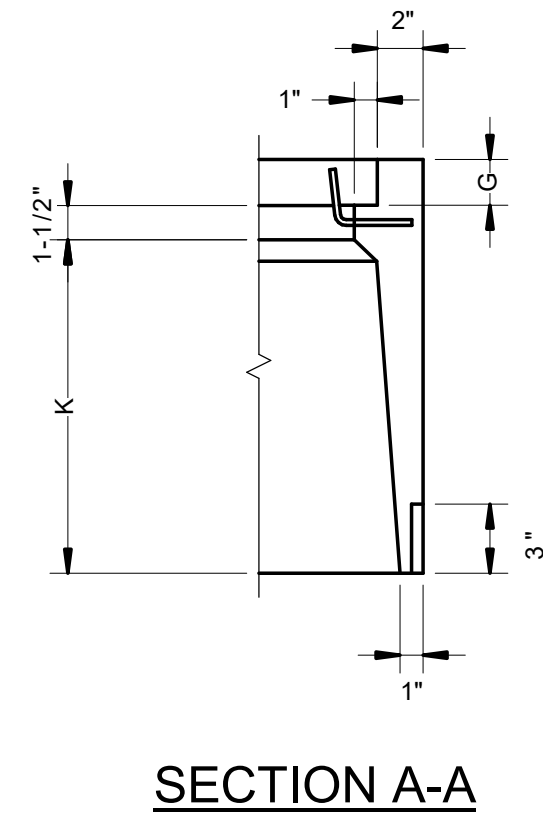
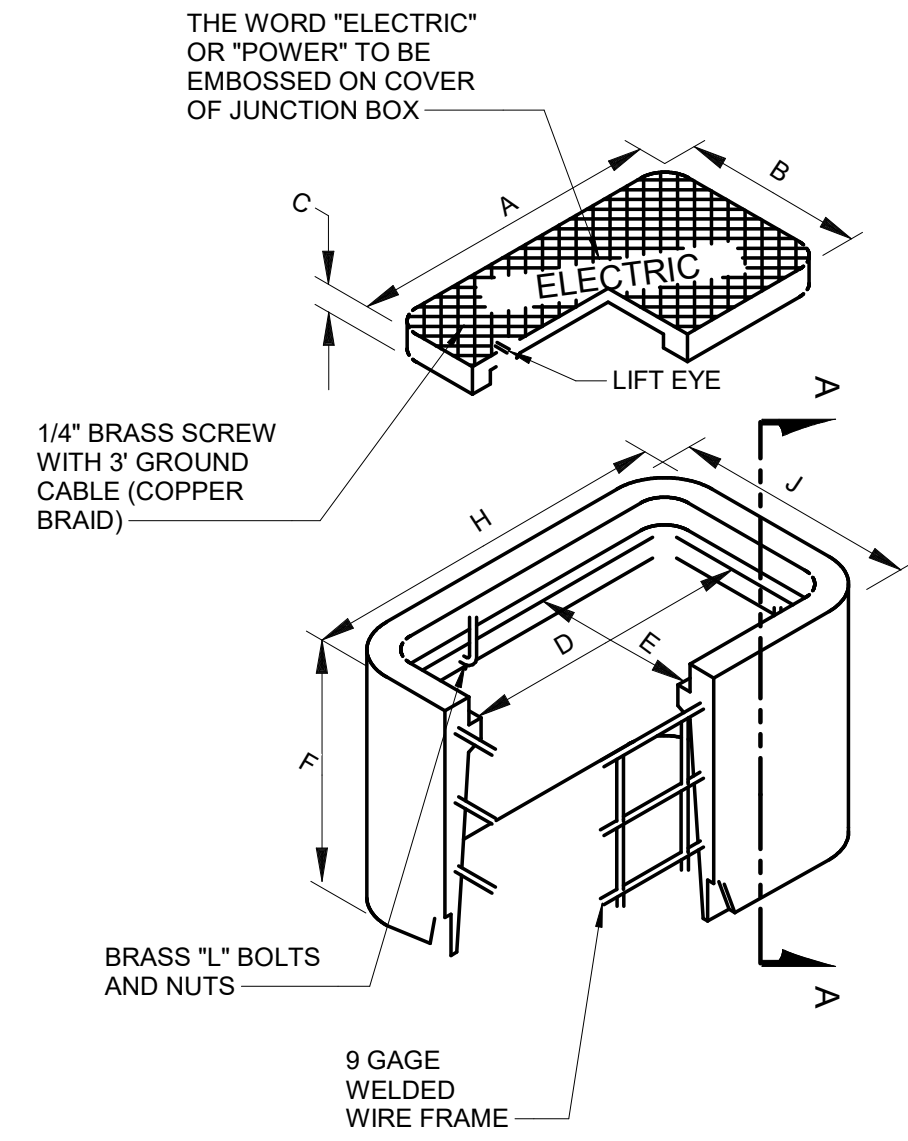
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PROJECT No.  
**I1014.23011**  
SHEET NUMBER

# ES102

1" IF THIS BAR DOES NOT MEASURE EXACTLY ONE INCH, THE SCALE OF THIS DRAWING HAS BEEN ALTERED DURING ITS PRODUCTION, AFFECTING ALL LABELED SCALES

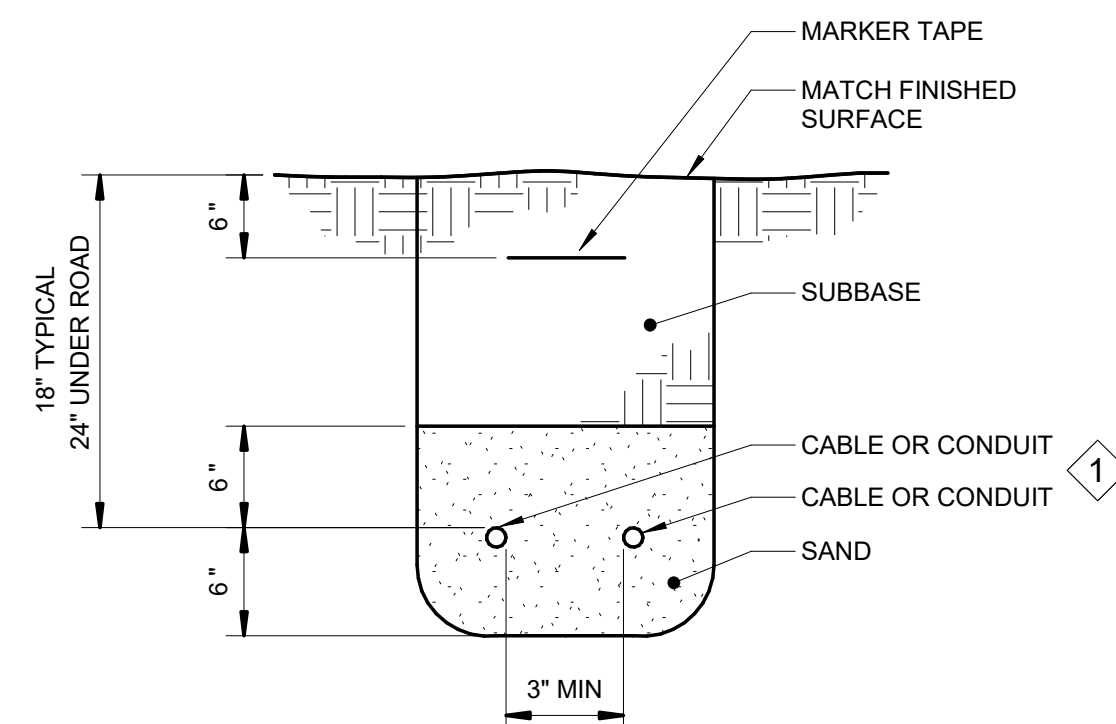
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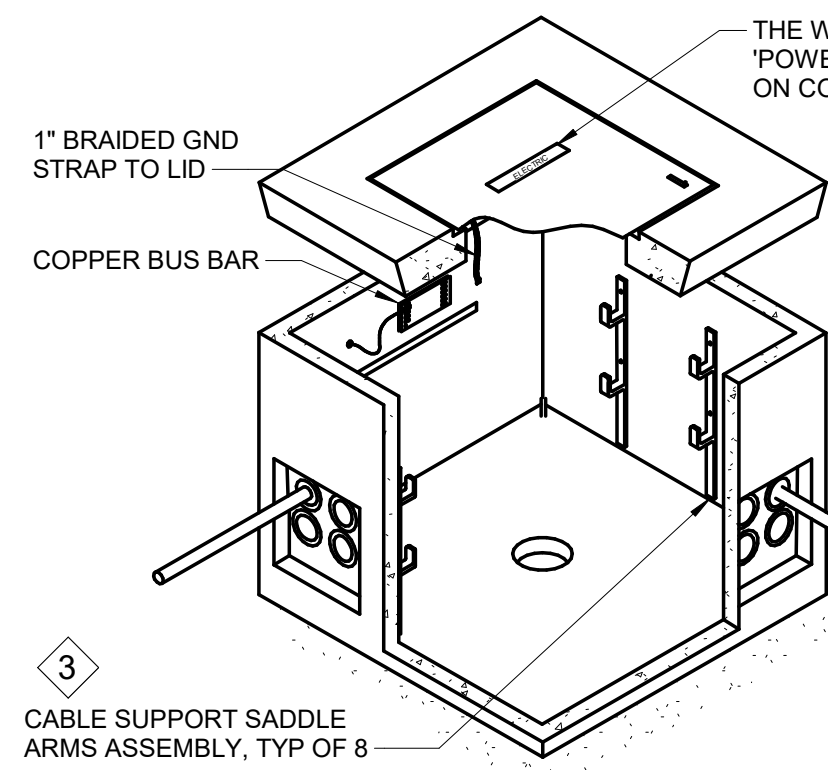
DIMENSIONS (INCHES)

	TYPE 1A
A	22 3/4
B	13 1/4
C	2
D	21 1/4
E	11 3/4
F	18
G	2
H	27 1/4
J	17 3/4
K	14 1/2

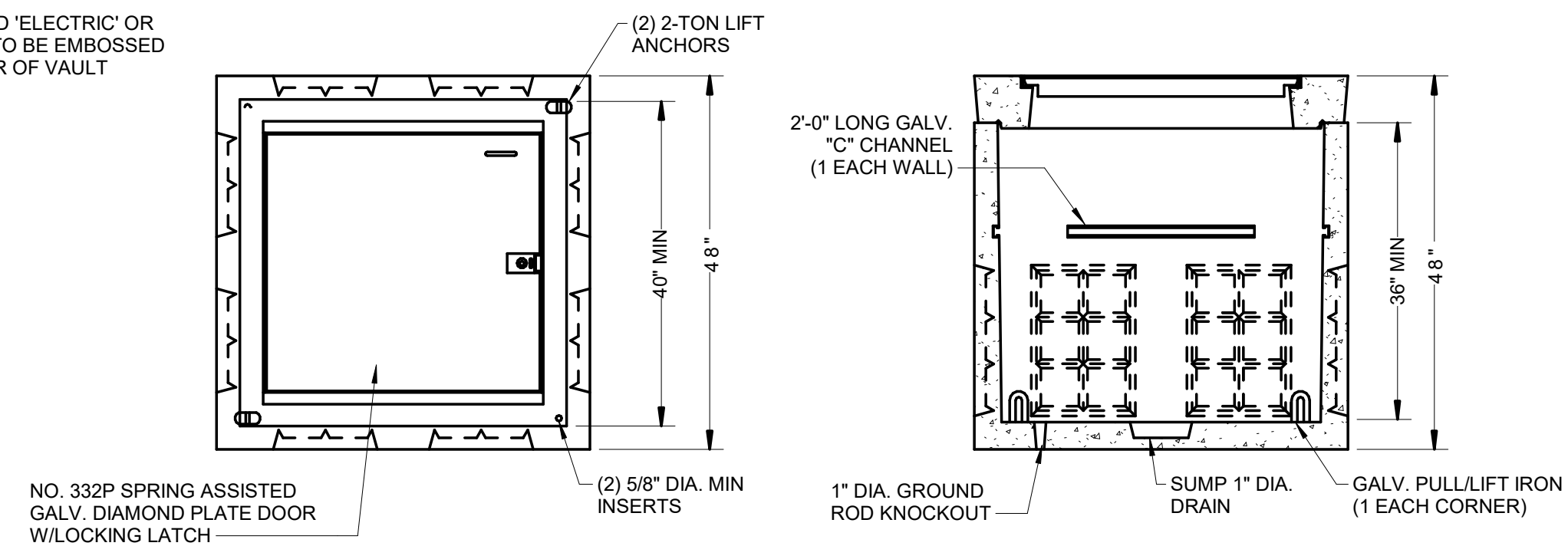
**1** TYPE 1A JUNCTION BOX  
ES103 SCALE: NTS



**2** TRENCH DETAIL  
ES103 SCALE: NTS



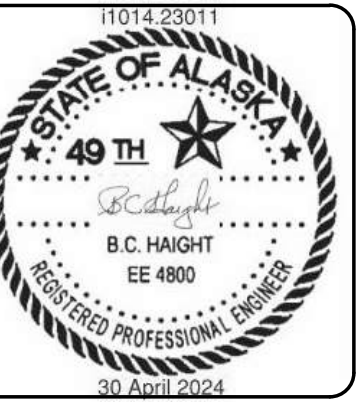
**3** 4' X 4' VAULT DETAIL  
ES103 SCALE: NTS



**SHEET KEYNOTES** #

1. TYPICAL INSTALLATION WHERE CABLES OR CONDUIT SHARE TRENCH. INSTALLATION FOR SINGLE CABLE OR CONDUIT IS SIMILAR.
2. COORDINATE TRENCHING WITH CIVIL PLAN AND SPECIFICATIONS.
3. PROVIDE CABLE SUPPORT ARMS, COMPOSED OF UL-LISTED GLASS-REINFORCED POLYMER WITH RATED LOAD OF 350 POUNDS, SUPPORTED DIRECTLY FROM THE EMBEDDED CHANNEL WITH STAINLESS STEEL HARDWARE, AND 8 INCHES MINIMUM OF CABLE SPACE. QUANTITY SHALL BE TWO MINIMUM PER SIDE OF THE VAULT.

CONSULTANT :



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PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN  
CREEK R/V PARK RESTROOMS**

**SKAGWAY, AK**

SHEET TITLE :  
**SITE DETAILS**  
**CONSTRUCTION DOCUMENTS**

DESIGN AS  
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DATE 04/30/2024

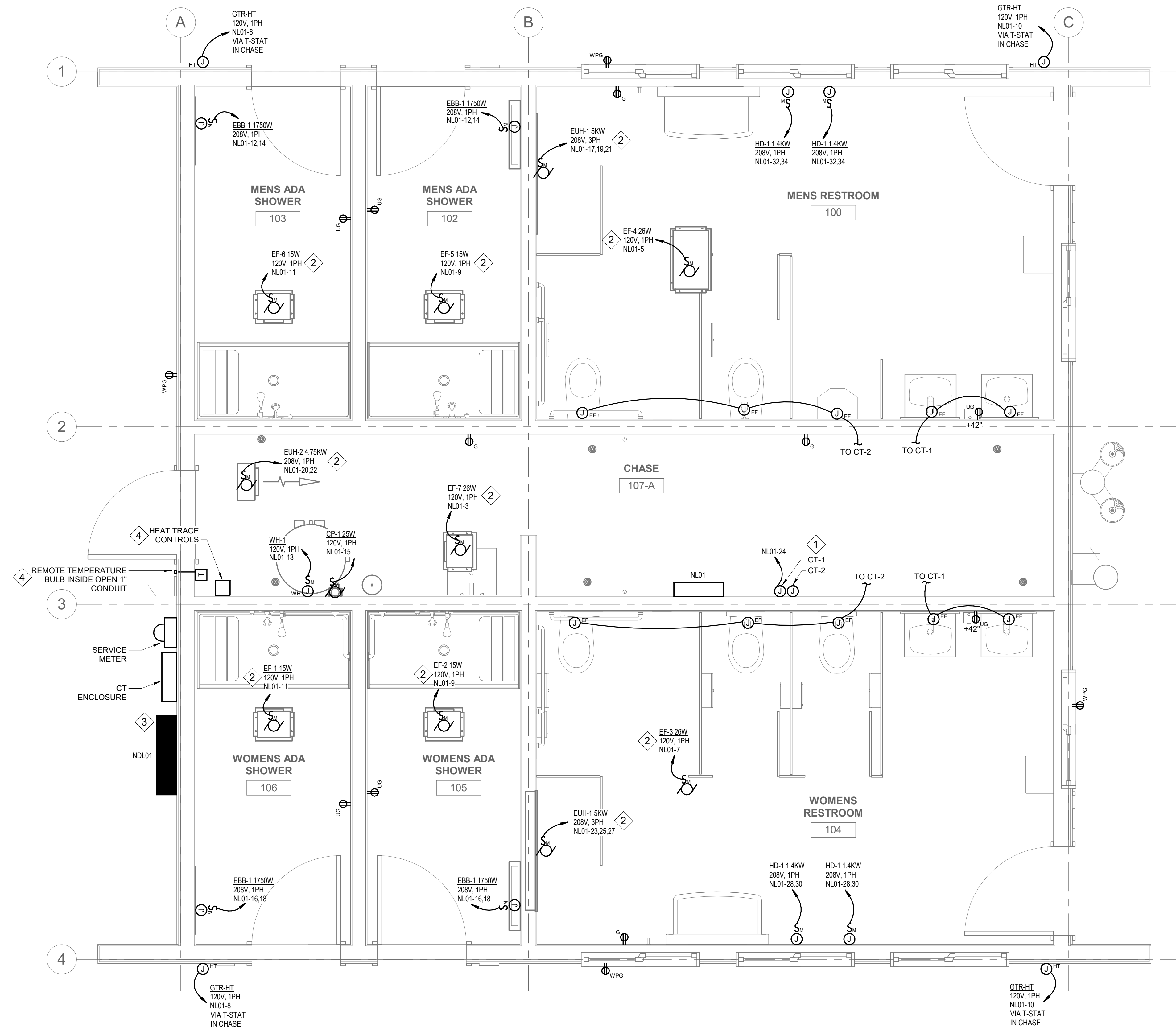
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**I1014.23011**  
SHEET NUMBER

**ES103**

No.	Date	Item
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**1** FIRST FLOOR PLAN - POWER  
E-101 SCALE: 1/2" = 1'-0"

**SHEET NOTES**

- COORDINATE FINAL EQUIPMENT SELECTION AND LOCATIONS WITH MECHANICAL AND ARCHITECTURAL DESIGN.

**SHEET KEYNOTES** #

- PROVIDE 12 VDC CIRCUITS AS NEEDED FROM ELECTRONIC FAUCET TRANSFORMER (CT-1) TO ALL ELECTRONIC FAUCETS. PROVIDE 24 VDC CIRCUITS FROM ELECTRONIC FLUSH TRANSFORMER (CT-2) TO ALL ELECTRONIC FLUSH VALVES. PROVIDE CONCEALED CONDUIT TO CONTROL BOX. COORDINATE WITH MECHANICAL FOR FINAL EQUIPMENT SELECTIONS.
- BASIS-OF-DESIGN EQUIPMENT HAS FACTORY-PROVIDED CONTROLS AND DISCONNECT. COORDINATE WITH MECHANICAL FOR FINAL EQUIPMENT SELECTION.
- INCORPORATE SERVICE DISCONNECT INTO PANEL NDL01 AS MAIN CIRCUIT BREAKER. PROVIDE ENCLOSURE HEATER WITH THERMOSTAT INSIDE PANEL.
- HEAT TRACE CONTROLS. SEE DETAIL 3, SHEET E-401 FOR CONTROL SCHEMATIC.

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PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**  
SKAGWAY, AK

SHEET TITLE :  
**POWER PLANS**  
**CONSTRUCTION DOCUMENTS**

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DATE 04/30/2024

PROJECT No.  
**I1014.23011**  
SHEET NUMBER

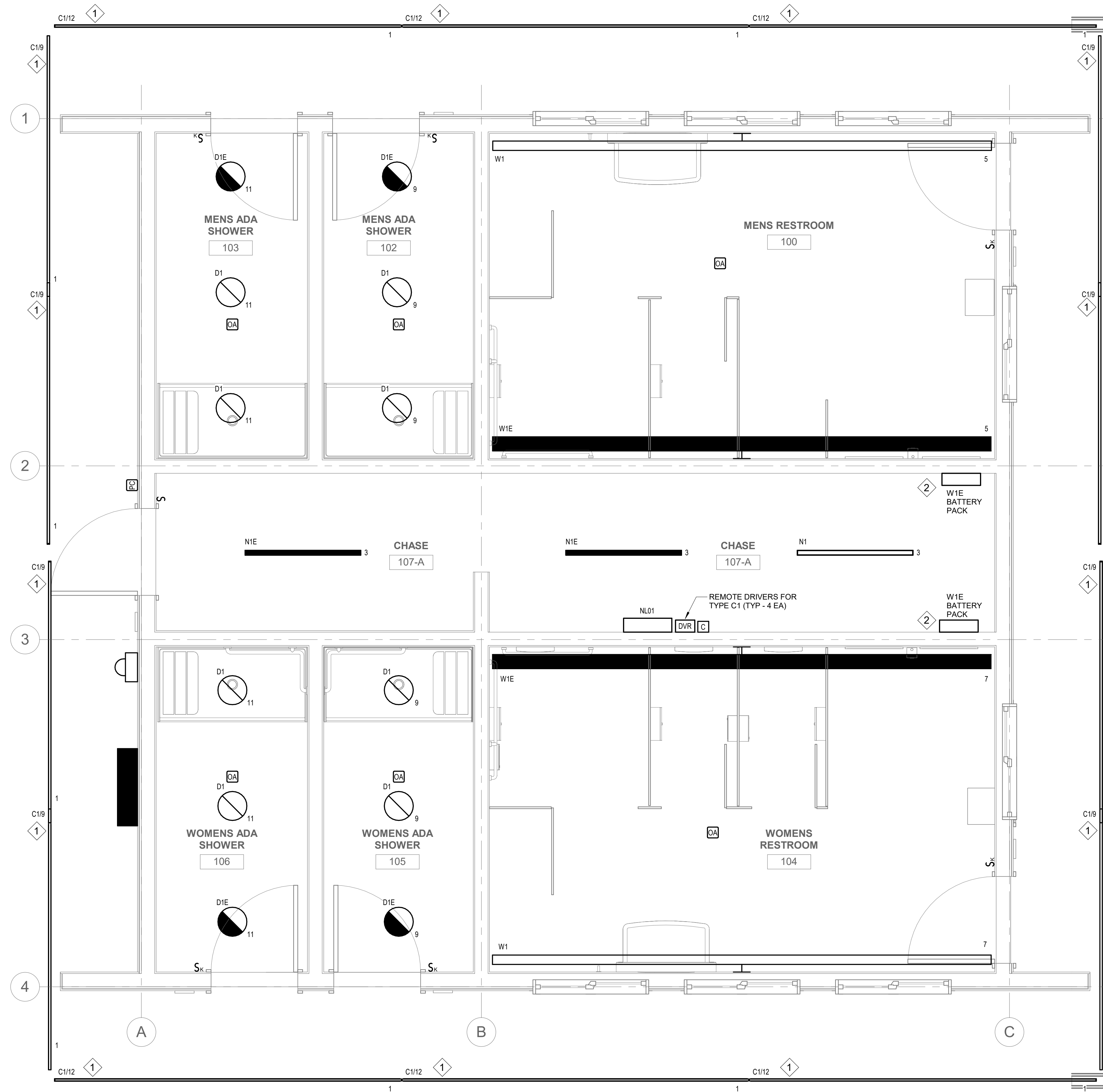
**E-101**

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**2** FIRST FLOOR PLAN - LIGHTING  
SCALE: 1/2" = 1'-0"

**SHEET NOTES**

1. INTERIOR LUMINAIRES ARE CONTROLLED BY AN OCCUPANCY SENSOR IN THEIR RESPECTIVE ROOMS. EACH ROOM WILL ALSO HAVE A KEYED SWITCH TO OVERRIDE THE LIGHTING IN THAT ROOM TO "OFF".
2. EXTERIOR LUMINAIRES ARE POWERED FROM A LIGHTING CONTACTOR IN THE UTILITY CHASE AND CONTROLLED BY A PHOTOELECTRIC SENSOR LOCATED ON THE EXTERIOR OF THE BUILDING.
3. ALL LUMINAIRES ARE CIRCUITED TO PANEL NL01.

**SHEET KEYNOTES** #

1. TYPE C1 LUMINAIRES ARE MOUNTED ON THE EXTERIOR OF THE BUILDING ALONG THE UNDERSIDE OF THE EAVES.
2. TYPE W1E LUMINAIRES USE REMOTE BATTERY PACK FOR EMERGENCY POWER. MOUNT REMOTE BATTERY PACK IN CHASE.

CONSULTANT:



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PROJECT:  
**MUNICIPALITY OF SKAGWAY PULLEN  
CREEK R/V PARK RESTROOMS**  
**SKAGWAY, AK**

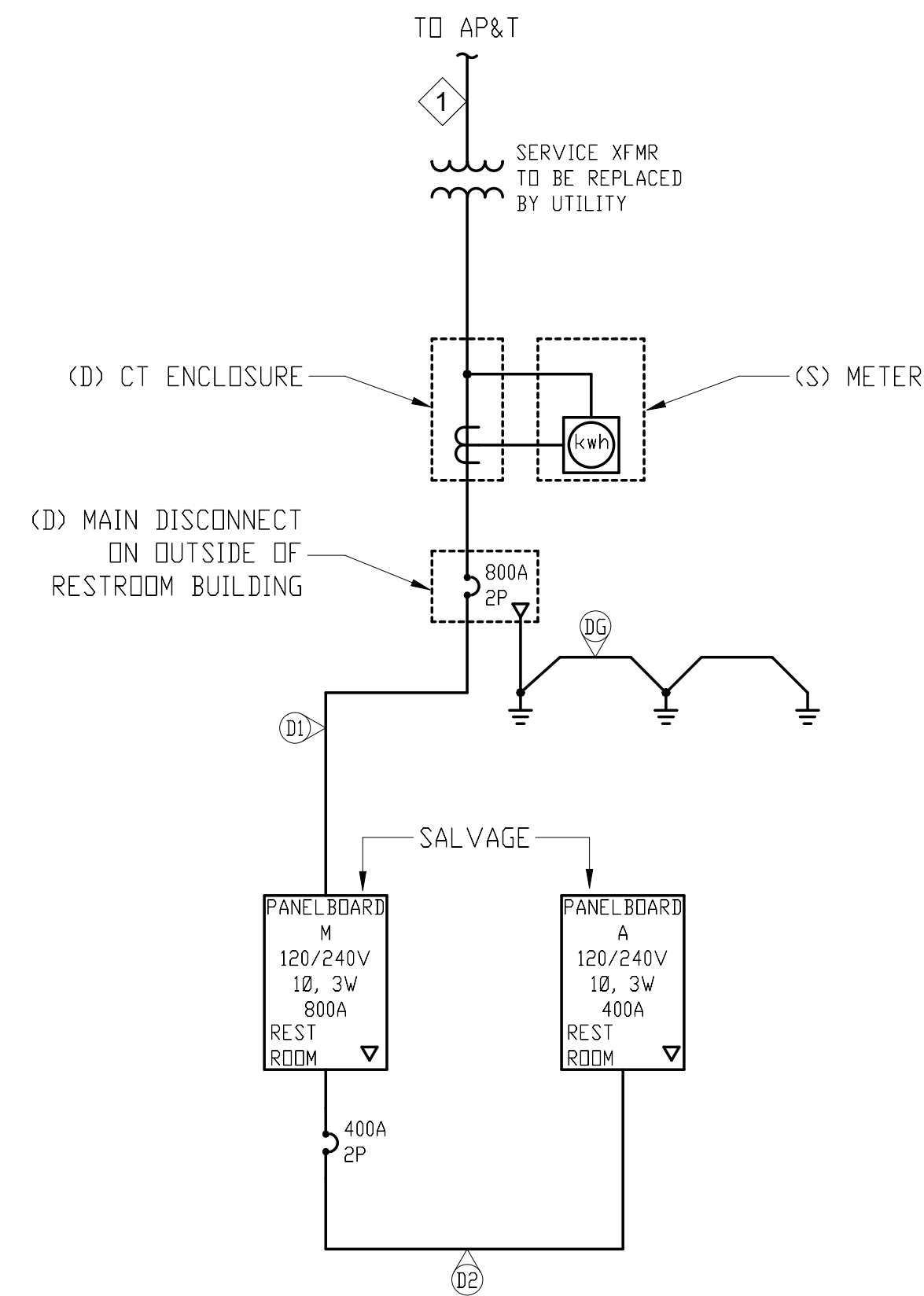
SHEET TITLE:  
**LIGHTING PLANS**  
**CONSTRUCTION DOCUMENTS**

DESIGN	AS
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DATE	04/30/2024

PROJECT No.  
**I1014.23011**  
SHEET NUMBER

**E-201**

No.	Date	Item
<b>REVISIONS</b>		



**1 ONE-LINE DIAGRAM - EXISTING**  
SCALE: NO SCALE

**SHEET NOTES**

- EXISTING CONDITIONS BASED ON LIMITED FIELD OBSERVATION BY THE ENGINEER. CONTRACTOR TO VERIFY.
- ALL EXISTING WORK AND FEEDERS SHOWN ON THIS ONE-LINE DIAGRAM ARE TO BE DEMOLISHED OR SALVAGED. SEE PLANS FOR MORE INFORMATION.
- EXISTING CIRCUITS POWERED FROM DEMOLISHED OR SALVAGED PANELS ARE TO BE DEMOLISHED TO THE EXTENT SHOWN ON THE PLANS.

**SHEET KEYNOTES** #

- UNDERGROUND UTILITY FEEDER WORK TO BE PERFORMED BY UTILITY.

FEEDER SCHEDULE					
NO.	CONDUCTORS	INSULATION	RACEWAY	RUNS	REMARKS
D1	3 #250 kCMIL 1 #1/0 EGC	--	3"	3	DEMOLISH
D2	3 #4/0 1 #2 EGC	--	2-1/2"	2	DEMOLISH
DG	1 #2/0 GEC	--	--	1	DEMOLISH

CONSULTANT :



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AECCL63270



PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN  
CREEK R/V PARK RESTROOMS**

**SKAGWAY, AK**

SHEET TITLE :  
**EXISTING ONE-LINE DIAGRAM**

**CONSTRUCTION DOCUMENTS**

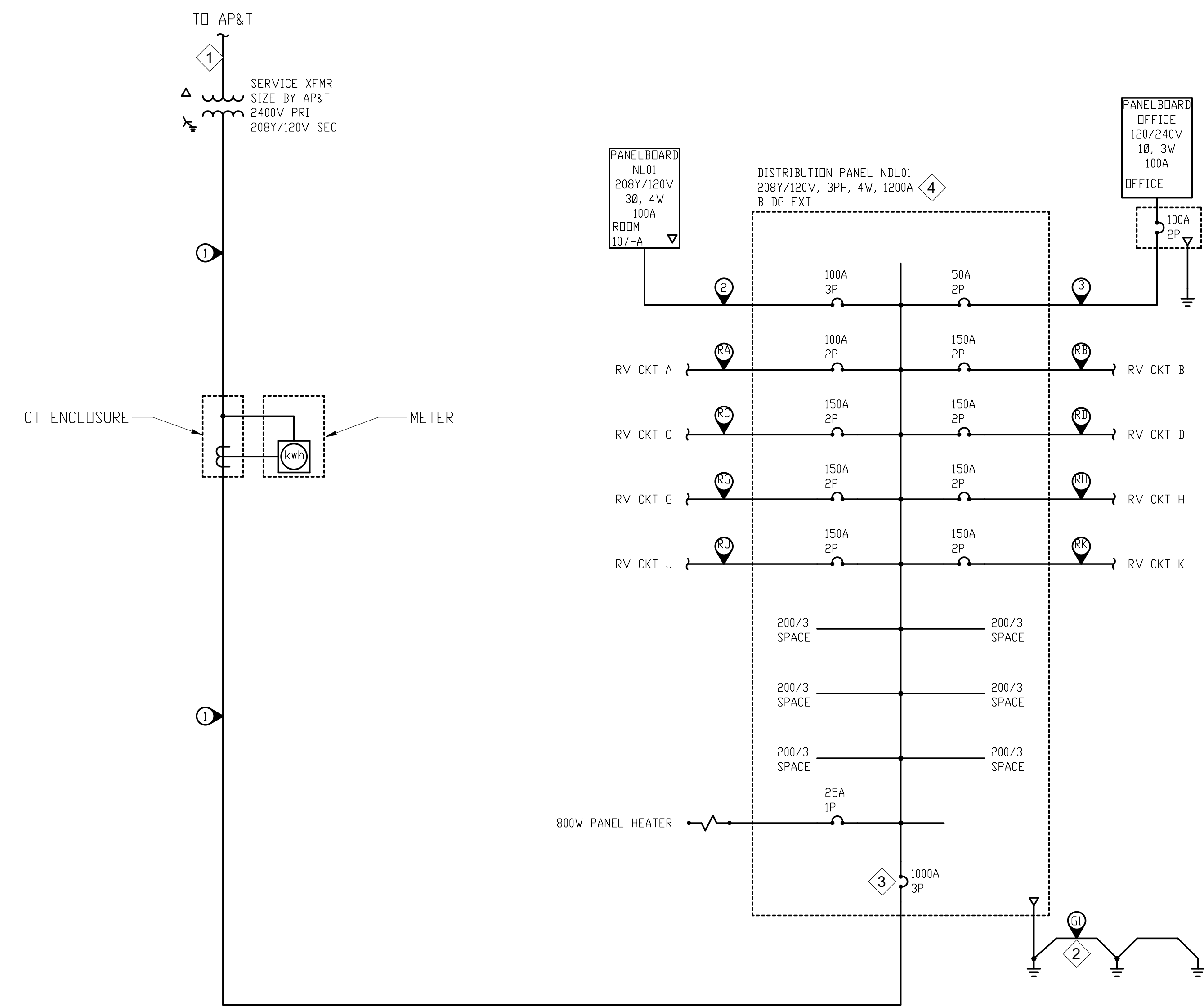
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**I1014.23011**  
SHEET NUMBER

**E-301**

No.	Date	Item
<b>REVISIONS</b>		

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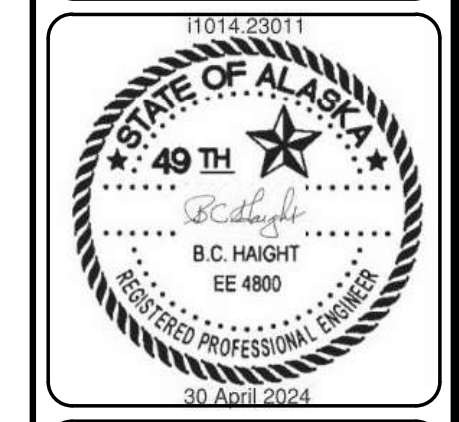
**1 ONE-LINE DIAGRAM - NEW**  
E-302 SCALE: NO SCALE

**SHEET KEYNOTES #**

- UNDERGROUND UTILITY FEEDER WORK TO BE PERFORMED BY UTILITY.
- PROVIDE THREE GROUND RODS SPACED 10 FEET APART. PROVIDE AND BOND TO CONCRETE-ENCASED ELECTRODE. BOND TO METAL UNDERGROUND WATER PIPE IF PRESENT.
- MAIN CIRCUIT BREAKER SERVES AS SERVICE DISCONNECT.
- PANEL NDL01 IS SIZED TO ACCOMMODATE EXPANSION OF THE RV PARK PLANNED FOR A FUTURE PROJECT.

FEEDER SCHEDULE					
NO.	CONDUCTORS	INSULATION	RACEWAY	RUNS	REMARKS
1	4 #400 KCMIL	XHHW	3" HDPE/RMC	3	
2	4 #2 1 #8 EGC	XHHW	1-1/4" IMC	1	
3	3 #8 1 #10 EGC	XHHW	1" HDPE	1	
G1	1 #3/0 GEC	BCU	3/4" RMC	1	CONDUIT WHERE REQUIRED FOR PROTECTION
RA	3 #2 1 #8 EGC	XHHW	2" HDPE	1	
RB	3 #2/0 1 #6 EGC	XHHW	2" HDPE	1	
RC	3 #3/0 1 #6 EGC	XHHW	2" HDPE	1	
RD	3 #2/0 1 #6 EGC	XHHW	2" HDPE	1	
RG	3 #3/0 1 #6 EGC	XHHW	2" HDPE	1	
RH	3 #3/0 1 #6 EGC	XHHW	2" HDPE	1	
RJ	3 #3/0 1 #6 EGC	XHHW	2" HDPE	1	
RK	3 #3/0 1 #6 EGC	XHHW	2" HDPE	1	

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AECCL63270

PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**  
SKAGWAY, AK

SHEET TITLE :  
**NEW ONE-LINE DIAGRAM**  
CONSTRUCTION DOCUMENTS

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DATE 04/30/2024

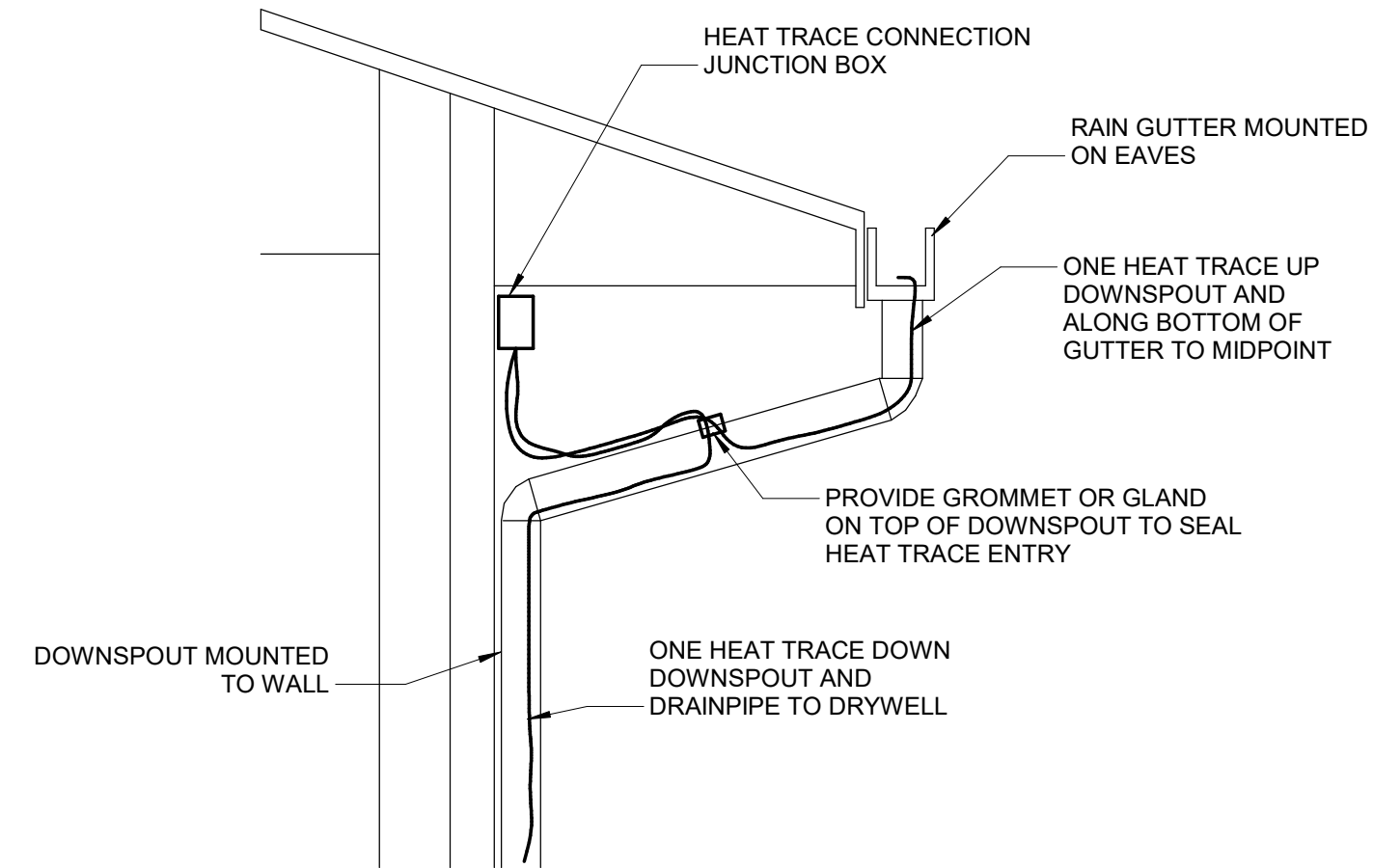
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**I1014.23011**  
SHEET NUMBER

**E-302**

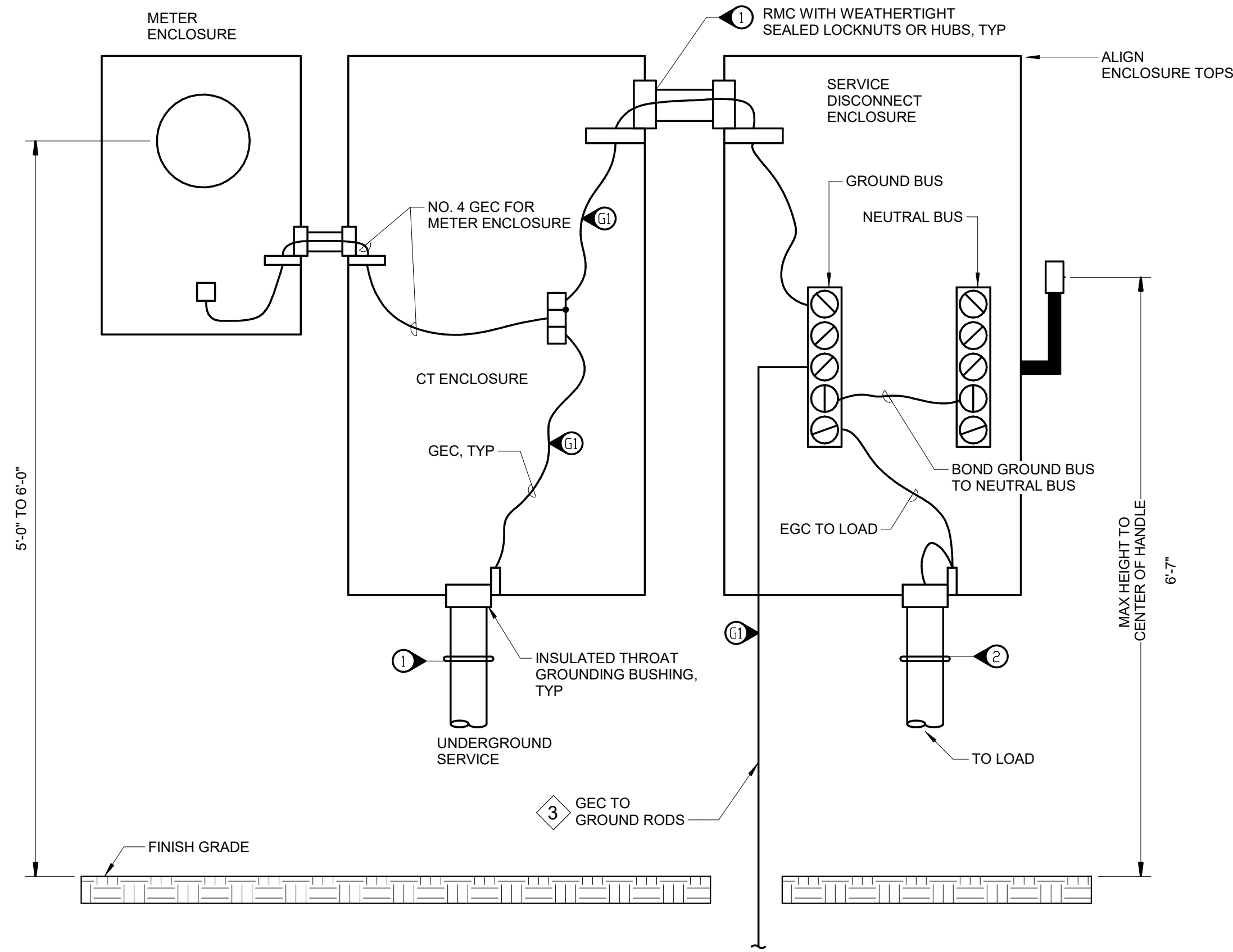
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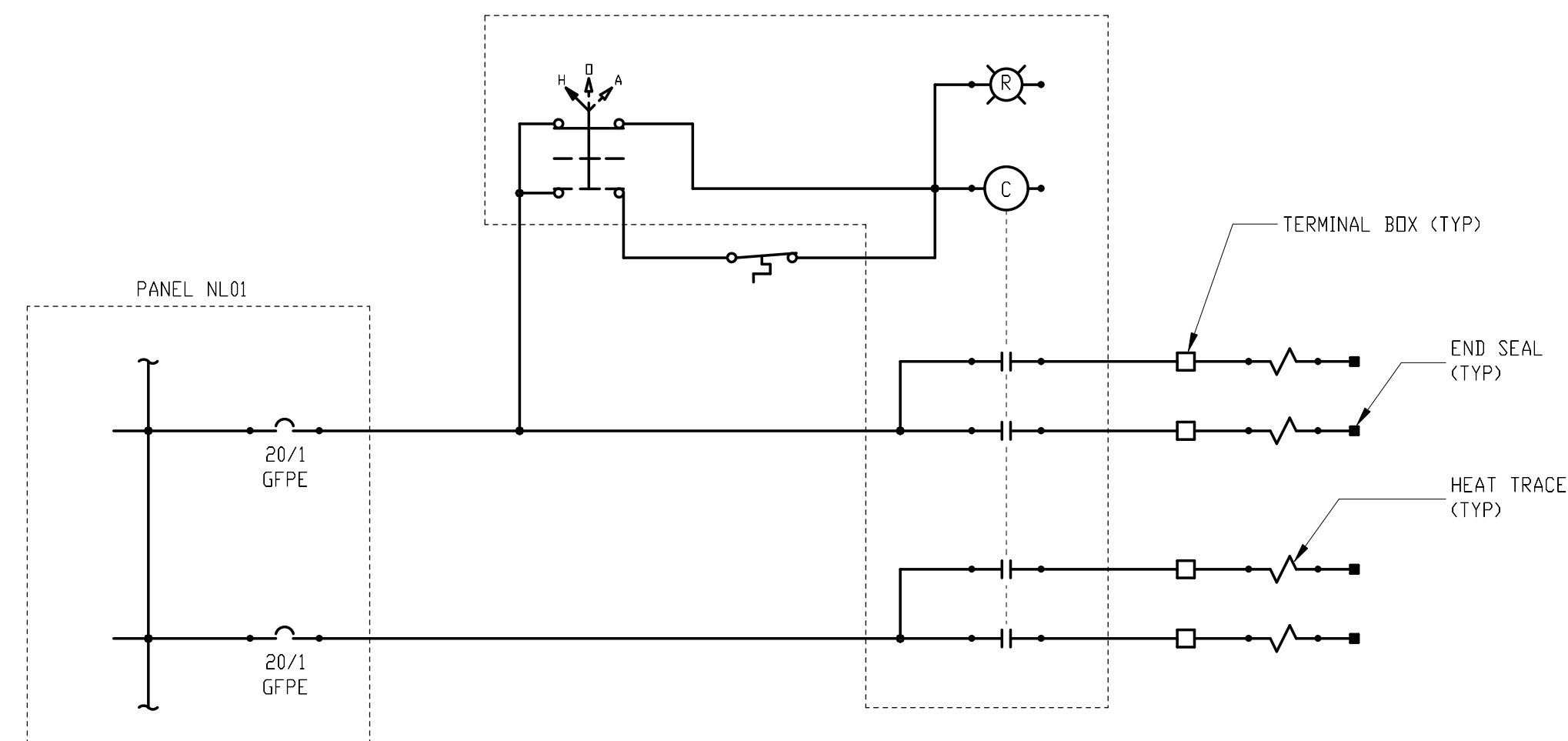
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**1** HEAT TRACE ENTRANCE FOR DOWNSPOUT  
E-401 SCALE: NTS



**2** SERVICE EQUIPMENT ARRANGEMENT AND GROUNDING DETAIL  
E-401 SCALE: NTS



**3** SCHEMATIC DIAGRAM - HEAT TRACE CONTROLS  
E-401 SCALE: NO SCALE

**SHEET KEYNOTES**

- SERVICE EQUIPMENT ARRANGEMENT AND GROUNDING DETAIL SHOWS GENERAL MINIMUM REQUIREMENTS FOR SERVICE EQUIPMENT INSTALLATION; ADJUST AS REQUIRED TO SUIT THIS PROJECT. REFER TO ELECTRICAL ONE-LINE DIAGRAM FOR MAIN SERVICE DISCONNECT TYPE AND ADDITIONAL INFORMATION.
- CONTRACTOR SHALL PROVIDE COMPLETE SERVICE EQUIPMENT INSTALLATION INCLUDING THE CURRENT TRANSFORMER (CT) ENCLOSURE, THE CTs, THE METER SOCKET, AND THE MAIN SERVICE DISCONNECT IN ACCORDANCE WITH SERVICE ENTRANCE REQUIREMENTS PROVIDED BY AP&T. AP&T WILL PROVIDE WIRING TO METER SOCKET, THE KWH METER, AND THE TRANSFORMER.
- PROVIDE ADDITIONAL GEC BONDED TO WATER SERVICE IF WATER SERVICE PIPE IS METAL. PROVIDE AND BOND TO CONCRETE-ENCASED ELECTRODE (UFER GROUND).
- HORIZONTAL HEAT TRACE ORIGINATING AT EACH CORNER OF THE BUILDING WILL EXTEND HALFWAY DOWN ITS RESPECTIVE GUTTER, TO MEET THE HEAT TRACE FROM THE OTHER CORNER IN THE MIDDLE OF THE GUTTER RUN. VERTICAL HEAT TRACE WILL EXTEND ALL THE WAY TO THE DRYWELL. SEE SHEETS S-501 AND A-500 FOR DETAILS OF THE EAVES AND GUTTER. SEE SHEET C-401 FOR DETAILS OF THE DOWNSPOUT AND DRYWELL. SEE SHEET E-101 FOR JUNCTION BOX LOCATIONS; COORDINATE FINAL LOCATIONS WITH ARCHITECTURAL AND CIVIL.
- SEE PLANS FOR LOCATION OF COMPONENTS.

CONSULTANT :



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PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**

**SKAGWAY, AK**

SHEET TITLE :  
**ELECTRICAL DETAILS**  
**CONSTRUCTION DOCUMENTS**

DESIGN AS  
DRAWN CSB  
CHECKED BH  
DATE 04/30/2024

PROJECT No.  
**I1014.23011**  
SHEET NUMBER

**E-401**

No.	Date	Item
REVISIONS		

PANELBOARD M															
VOLTAGE: 120/240V, 1PH, 3W BUS AMPS: 800 A MAIN: MCB, 800 A					SPECIFICATION TYPE: MIN AIC RATING: 10,000 CIRCUITS: 30					ENCLOSURE: NEMA 1 MOUNTING: SURFACE LOCATION: UTILITY ROOM					
LOAD	CIRCUIT DESCRIPTION	NOTES	AMPS	P	CKT	A	B	A	B	CKT	P	AMPS	NOTES	CIRCUIT DESCRIPTION	LOAD
9	FEEDER J - PEDS J1, J2, J3, J4, J5, J6		150 A	2	1	8300		8300		2	2	150 A		FEEDER G - G1, G2, G3, G4, G5	9
--			--	--	3		8300		8300	4	--	--			--
9	FEEDER K - PEDS K1, K2, K3, K4, K5, K6		150 A	2	5	8300		8300		6	2	150 A		FEEDER H - H1, H2, H3, H4, H5, H6	9
--			--	--	7		8300		8300	8	--	--			--
9	FEEDER C - PEDS C1, C2, C3, C4		150 A	2	9	14400		13650		10	2	150 A		FEEDER D - PEDS D1, D2, D3, D4, D5	9
--			--	--	11		14400		13650	12	--	--			--
--	SPACE		--	1	13	--	--	--	--	14	1	--		SPACE W/ HARDWARE	--
--	SPACE		--	1	15	--	--	--	--	16	1	--		SPACE	--
--	SPACE		--	1	17	--	--	--	--	18	1	--		SPACE	--
--	SPACE		--	1	19	--	--	--	--	20	1	--		SPACE	--
--	SPACE		--	1	21	--	--	--	--	22	1	--		SPACE	--
--	SPACE		--	1	23	--	--	28420	28420	24	2	400 A		PANEL A	Sp...
--	SPACE		--	1	25	--	--	27820		26	--	--			--
--	SPACE		--	1	27	--	--	--	--	28	1	--		SPACE	--
--	SPACE		--	1	29	--	--	--	--	30	1	--		SPACE	--
TOTAL LOAD:						PH A CONN	PH B CONN								
TOTAL AMPS:						89070 VA	89670 VA								
PHASE BALANCE:						742 A	747 A								
PERCENT:						A-B									
PERCENT:						1 %									
LOAD SUMMARY AND CODE DEFINITIONS	CONNECTED LOAD	NEC	ESTIMATED DEMAND	PANEL TOTALS		NOTES:									
1 LIGHTING =	2920 VA	125%	3650 VA	TOTAL CONN LOAD: 179 kVA											
2 RECEPTACLES =	400 VA	10K+50%	400 VA	TOTAL EST DEMAND: 85 kVA											
3 MOTORS =	0 VA	100%	0 VA	TOTAL CONN: 745 A											
4 LARGEST MOTOR =	0 VA	125%	0 VA	TOTAL EST DEMAND: 355 A											
5 MISC. NON-CONTINUOUS =	7400 VA	100%	7400 VA												
6 MISC. CONTINUOUS =	5920 VA	125%	7400 VA												
7 NON-COINCIDENTAL =	0 VA	0%	0 VA												
8 SPARE =	0 VA	100%	0 VA												
9 RV PEDESTALS =	162100 VA	45%	66461 VA												

PANELBOARD A															
VOLTAGE: 120/240V, 1PH, 3W BUS AMPS: 400 A MAIN: MLO, 400 A					SPECIFICATION TYPE: MIN AIC RATING: 10,000 CIRCUITS: 30					ENCLOSURE: NEMA 1 MOUNTING: SURFACE LOCATION: UTILITY ROOM					
LOAD	CIRCUIT DESCRIPTION	NOTES	AMPS	P	CKT	CONNECTED VA PH A	CONNECTED VA PH B	CONNECTED VA PH A	CONNECTED VA PH B	CKT	P	AMPS	NOTES	CIRCUIT DESCRIPTION	LOAD
6	UNKNOWN	1	20 A	1	1	1920		--	--	2	1	--		SPACE	--
--	SPACE		--	1	3	--	--	--	--	4	1	--		SPACE	--
--	SPACE		--	1	5	--	--	--	--	6	1	--		SPACE	--
1	OUTSIDE LIGHTS		20 A	1	7		1920		--	8	1	--		SPACE	--
9	FEEDER B - PEDS B1, B2, B3, B4		150 A	2	9	12150		200		10	1	20 A		UTILITY ROOM RCPT	2
--			--	--	11		12150		--	12	1	--		SPACE	--
--			--	--	13		--	--	--	14	1	--		SPACE	--
--			--	--	15			0		16	1	20 A		SPARE	--
9	FEEDER A - PEDS A1, A2, A3, A4		80 A	2	17	7650		1400		18	2	50 A	2	OFFICE PANEL	5
--			--	--	19		7650		1400	20	--	--	--		--
6	WOMEN'S RESTROOM - HEATER		20 A	2	21	1000		1000		22	2	20 A		MEN'S RESTROOM - HEATER	6
--			--	--	23		1000		1000	24	--	--	--		--
1	WOMEN'S RESTROOM - LTG & EXHAUST FAN		20 A	1	25	400		200		26	1	20 A		UTILITY ROOM LIGHT	1
5	WOMEN'S RESTROOM - HAND DRYER		20 A	1	27		2300		400	28	1	20 A		MEN'S RESTROOM - LTG & EXHAUST FAN	1
2	RESTROOM GFCI OUTLETS		20 A	1	29	200		2300		30	1	20 A		MEN'S RESTROOM - HAND DRYER	5
TOTAL LOAD:						PH A CONN	PH B CONN								
TOTAL AMPS:						28420 VA	27820 VA								
PHASE BALANCE:						237 A	232 A								
PERCENT:						A-B									
PERCENT:						2 %									
LOAD SUMMARY AND CODE DEFINITIONS	CONNECTED LOAD	NEC	ESTIMATED DEMAND	PANEL TOTALS		NOTES:									
1 LIGHTING =	2920 VA	125%	3650 VA	TOTAL CONN LOAD: 56 kVA		1. UNKNOWN LOAD; LOAD ESTIMATED AT 80% OF CIRCUIT BREAKER MAXIMUM.									
2 RECEPTACLES =	400 VA	10K+50%	400 VA	TOTAL EST DEMAND: 35 kVA		2. LOADING ON OFFICE PANEL BASED ON RECORD DRAWINGS.									
3 MOTORS =	0 VA	100%	0 VA	TOTAL CONN: 234 A											
4 LARGEST MOTOR =	0 VA	125%	0 VA	TOTAL EST DEMAND: 146 A											
5 MISC. NON-CONTINUOUS =	7400 VA	100%	7400 VA												
6 MISC. CONTINUOUS =	5920 VA	125%	7400 VA												
7 NON-COINCIDENTAL =	0 VA	0%	0 VA												
8 SPARE =	0 VA	100%	0 VA												
9 RV PEDESTALS =	39600 VA	45%	16236 VA												

SHEET NOTES

- EXISTING PANEL SCHEDULES AND LOADS ARE BASED ON LIMITED FIELD OBSERVATION OF EXISTING CONDITIONS BY THE ENGINEER. ROUTING OF EXISTING RV FEEDERS AS SHOWN ON THE SITE PLAN IS BASED ON AS-BUILT DRAWINGS. CONTRACTOR TO VERIFY CIRCUIT ROUTES AND CONFIGURATIONS.

CONSULTANT :



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PROJECT :  
**MUNICIPALITY OF SKAGWAY PULLEN CREEK R/V PARK RESTROOMS**  
 SKAGWAY, AK

SHEET TITLE :  
**EXISTING PANEL SCHEDULES**  
**CONSTRUCTION DOCUMENTS**

DESIGN AS  
 DRAWN CSB  
 CHECKED BH  
 DATE 04/30/2024

PROJECT No.  
**I1014.23011**  
 SHEET NUMBER

**E-501**

No.	Date	Item
REVISIONS		

