

DRAIN LINE REPAIRS

BID DOCUMENTS

FOR:

PETERSBURG AQUATIC CENTER
PETERSBURG, ALASKA 99833

PREPARED BY:



RESPEC

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AECC163270



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SHEET	SHEET TITLE
EX1	EXHIBIT DRAWING
EX2	EXHIBIT DRAWING
EX3	EXHIBIT DRAWING
EX4	EXHIBIT DRAWING
EX5	EXHIBIT DRAWING
EX6	EXHIBIT DRAWING

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G-001

PROJECT NUMBER: 16315.24002

DATE: 08/15/2012

DESIGNED BY: RESPEC

CHECKED BY: RESPEC

DATE: 08/15/2012

SHEET TITLE: PROJECT COVER SHEET

BID DOCUMENTS

PROJECT: PETERSBURG AQUATIC CENTER DRAIN LINE REPAIRS

PETERSBURG, ALASKA 99833

CONSULTANT: RESPEC

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DATUM

GRID LINE



CODE ANALYSIS

- PROJECT:
 - A. PETERSBURG AQUATIC CENTER DRAIN LINE REPAIRS
- CLIENT:
 - A. PETERSBURG PARKS AND RECREATION
- CONTRACTOR:
 - A. TBD
- SCOPE OF WORK:
 - A. REPAIRING/REPAIRING BROKEN SANITARY PIPING BELOW EXISTING SLAB FOUNDATION
- ORIGINAL CODES:
 - A. 2003 INTERNATIONAL FAMILY OF CODES
- CURRENT CODES:
 - A. 2021 INTERNATIONAL FAMILY OF CODES WHERE APPLICABLE
 - B. 2021 EXISTING BUILDING CODE LEVEL 1 ALTERATION (SECTION 302)
- CONSTRUCTION TYPE:
 - A. V8 - FULLY AUTOMATIC SPRINKLERED OCCUPANCY TYPE A.3

GENERAL NOTES

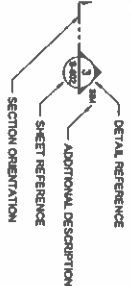
- CONTRACTOR TO VERIFY EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES IN ACCOMPLISHING NEW WORK.
- REMOVE AND STORE ALL EXISTING FIXTURES, CABINETRY, CASEWORK INCLUDING LOCKERS, BENCHES, TOILETS, SINKS, TOILET/VAPOR PARTITIONS, ACCESSORIES (UNLESS NOTED OTHERWISE, REFER TO EXISTING DRAWING SET FOR EXISTING LIST, REPAIRS TO COMPLETE WORK.
- REFER TO STRUCTURAL DRAWINGS FOR EXTENT OF CONCRETE FLOOR AND CHASE WALLS SHOWN ON DEMOLITION EXTENTS.
- CONTRACTOR TO PROTECT ALL EXISTING FINISHES AND FURNISHINGS TO REMAIN. REPAIR OR REPLACE DAMAGED FINISHES OR FURNISHINGS TO BE REPLACED AT CONTRACTOR'S EXPENSE.
- ADOPTIVE ALTERNATES:
 - A. ADD ALL 1 AND 2 ARE AREAS OF THE FIRST FLOOR SLAB WHICH MAY NEED TO BE REMOVED TO REPAIR THE EXISTING UTILITIES. SEE MECHANICAL AND STRUCTURAL FOR ADDITIONAL INFORMATION.

LINEWORK



REFERENCES

1. SECTIONS

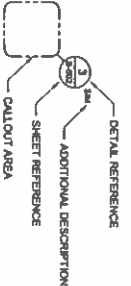


LOCALLY REFERENCED SECTION

2. ELEVATIONS



3. CALLOUTS



4. MATCHLINES



REVISIONS					
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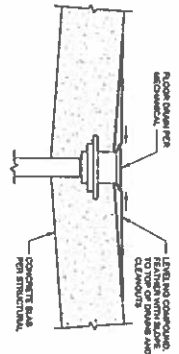
<p>SHEET TITLE:</p> <p>LEGEND AND ABBREVIATIONS</p> <p>BID DOCUMENTS</p>	<p>PROJECT:</p> <p>PETERSBURG AQUATIC CENTER DRAIN LINE REPAIRS</p> <p>PETERSBURG, ALASKA 99833</p>	<p>CONSULTANT:</p> <p>RESPEC</p> <p>Juneau, AK</p> <p>9430 Mendenhall Blvd. Ste. 4</p> <p>Juneau, AK 99801</p> <p>Phone: 907.586.1000</p> <p>www.respec.com</p> <p>AECC 161070</p>	<p>STATE OF ALASKA</p> <p>DEPARTMENT OF COMMUNITY AND ECONOMIC DEVELOPMENT</p> <p>DIVISION OF COMMUNITY DEVELOPMENT</p> <p>PERMIT NO. 24-0118</p> <p>ISSUED 07/27/2025</p>
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3. CONCRETE FLOOR SLAB DEMOLITION:
(SEE STRUCTURAL)

4. REMOVE ALL (E) TILE BASE, GROUT, AND MORTAR PREPARE FOR NEW SEALED CONCRETE FINISH.

4. CONTRACTOR TO PROTECT ALL EXISTING FINISHES AND FURNISHINGS TO ACCOMPLISH THE WORK. DAMAGED FINISHES OR FURNISHINGS TO BE REPLACED AT CONTRACTOR'S EXPENSE.





2 FLOOR DRAIN DETAIL
SCALE: 1/2" = 1'-0"

FINISHES LEGEND

- EXISTING CARPET
- SEALED CONCRETE
- EXISTING FINISHES TO REMAIN

NEW WORK KEYNOTES (1)

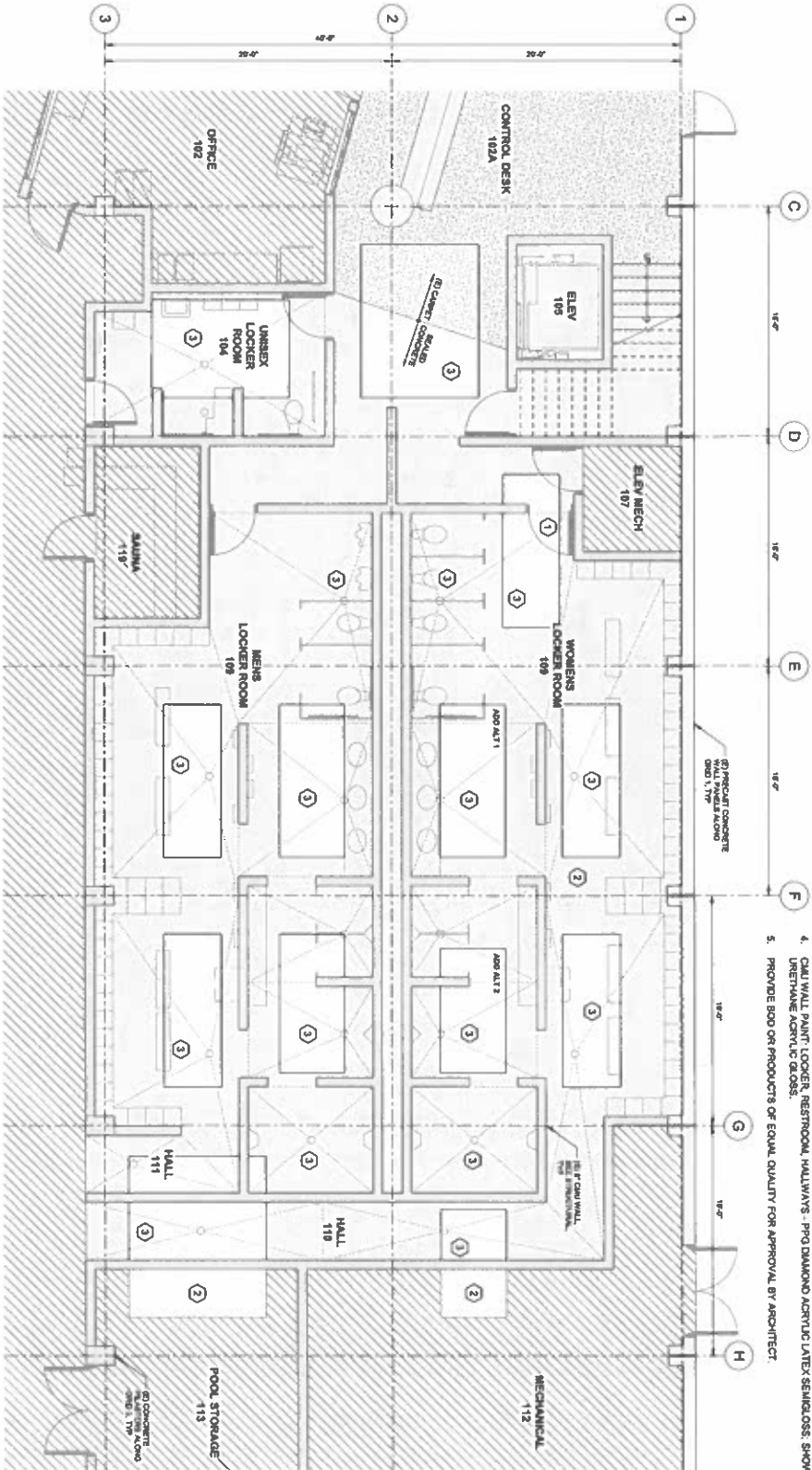
- REINSTALL EXISTING DOOR FRAME, DOOR, AND HANDRAIL.
- NEW AND EXISTING CONCRETE FLOORS SHALL BE SEALED.
- NEW CONCRETE FLOOR WILL SEE STRUCTURAL MATCH SLOPE TO DRAINS (1/8" PER 1'-0" MINIMUM). INSTALL NEW FLOOR DRAINS WHERE REQUIRED. SEE MECHANICAL DRAWINGS FOR ACCEPTANCE OF SEALER AND LEVELING COMPOUND WHERE REQUIRED TO FILL VORES AND AT EXISTING DRAINS PER INSTRUCTIONS. INSTALL LEVELING COMPOUND WITH POSITIVE SLOPE WHERE NEW DRAIN PROVIDED AT AREAS WHERE EXISTING SLABS TO REMAIN

SHEET NOTES

- CONTRACTOR TO VERIFY EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES IN ACCOUNTING NEW WORK.
- REINSTALL EXISTING PARTS: CABINETRY, CASEWORK INCLUDING LOCKERS, BENCHES, TOILETS, SINKS, TOILET/PARTIAL PARTITIONS, ACCESSORIES UNLESS NOTED OTHERWISE. REFER TO EXHIBIT DRAWING EX1 FOR EXISTING LIST.
- INSTALL NEW 6" RUBBER BASE AT ALL LOCATIONS WHERE EXISTING TILE BASE HAS BEEN REMOVED AT CHU WALLS AND LOCKER BASES.
- REFER TO STRUCTURAL DRAWINGS FOR EXTENTS OF NEW CONCRETE FLOOR AND CHU WALL DEMOLITION. WHERE CHU WALL DEMO OR DAMAGE HAS OCCURRED, REPLACE AND/OR REPAIR CHU WALL AND PAINT ENTIRE WALL.

BASIS OF DESIGN (BOD) FINISHES

- FLOOR LEVELING COMPOUND: ARDEX V 1000.
- CONCRETE FLOOR SEALER/COATING: SIKKA SIKKADUR-32 HI-MOD. ANTI-SLIP ADHESIVE - BROADCAST SILICA SAND (20-40 MESH).
- RUBBER WALL BASE: ROPPE SERIES 700 6" NO TOE RUBBER WALL BASE.
- CHU WALL PAINT: LOCKER, RESTROOM, HALLWAYS - PPG DIAMOND ACRYLIC LATEX SEMI-GLOSS. SHOWERS - PPG BREAK-THROUGH URETHANE ACRYLIC GLOSS.
- PROVIDE BOD OR PRODUCTS OF EQUAL QUALITY FOR APPROVAL BY ARCHITECT.



1 PARTIAL FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

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PARTIAL FIRST FLOOR PLAN

BID DOCUMENTS

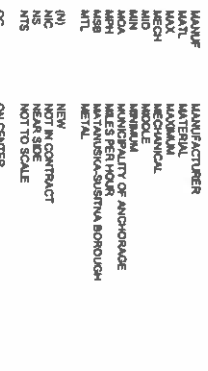
**PETERSBURG AQUATIC CENTER
DRAIN LINE REPAIRS**

PETERSBURG, ALASKA 99833

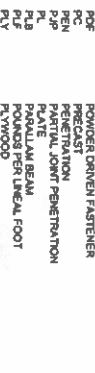


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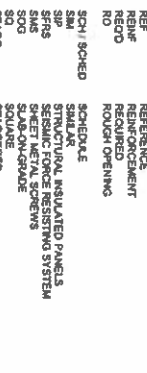
STRUCTURAL ABBREVIATIONS (CONTINUED)



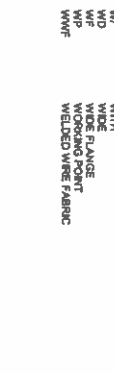
CWSJ **OPEN WEB STEEL JOIST**



PRYNWOOD WEB JOIST

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CONSULTANT:

STRUCTURAL MASONRY NOTES

1. PERFORM ALL MASONRY WORK IN ACCORDANCE WITH CHAPTER 21 OF THE IBC AND ALL APPLICABLE STANDARDS.

- | COMPONENT | REQUIRED STRENGTH | MATERIAL NOTES |
|------------------|-------------------------|-------------------------------|
| CHALK BLOCKS | $F_m = 2,500$ PSI (MIN) | ASTM C-60, NORMAL WEIGHT |
| MORTAR | $F_m = 2,500$ PSI (MIN) | ASTM C-270, TYPE S OR M |
| GROUT | $F_g = 2,500$ PSI (MIN) | ASTM C-475 |
| MASONRY ASSEMBLY | $F_m = 2,500$ PSI | NET AREA COMPRESSIVE STRENGTH |
- USE CLEAN, ANGULAR, WELL-GRADED SAND AGGREGATES FREE FROM ORGANIC CONTAMINANTS, AND CONFORM TO ASTM C-14 FOR MORTAR AND ASTM C-475 FOR GROUTS.
 - VERIFY THE SPECIFIED COMPRESSIVE STRENGTH OF MASONRY WITH THE UNIT STRENGTH METHOD OR THE PRISM TESTING METHOD IN ACCORDANCE WITH 902.
 - USE REINFORCING STEEL CONFORMING TO ASTM A615 OR A706, OR 60,000 PSI YIELD STRENGTH, 65,000 PSI TENSILE STRENGTH, AND 0.25 PER CENT ELONGATION OF MINIMUM 18 INCHES. VERIFY THE SPECIFIED TENSILE STRENGTH OF THE STEEL WITH THE TENSILE TESTING METHOD OR THE PRISM TESTING METHOD IN ACCORDANCE WITH 902.
 - USE REINFORCING STEEL, WHERE AVAILABLE, LAP REINFORCING STEEL AT SPACES A MINIMUM OF (4) BAR DIAMETERS, UNLESS NOTED OTHERWISE. WHERE CLEAR DISTANCES BETWEEN BARS IS ADJACENT TO OTHER REINFORCING STEEL, THE MINIMUM CLEAR DISTANCE SHALL BE (4) BAR DIAMETERS. UNLESS SPECIFIED OTHERWISE, ALL REINFORCING STEEL SHALL BE EPOXY COATED UNLESS SPACES ARE STAGGERED AT LEAST (24) BAR DIAMETERS.
 - ENSURE A MINIMUM OF 1" OF GROUT COVER AROUND REINFORCING STEEL, REINFORCING STEEL, AND REINFORCING TIE BARS TO THE MASONRY SHELL.
 - PROVIDE NOT LESS THAN 1/2" OF GROUT BETWEEN MASONRY UNITS AND REINFORCING STEEL, AND BETWEEN PARALLEL REINFORCING NOT LESS THAN 1" FROM ONE BAR DIAMETER, WHICHEVER IS LARGER.
 - THANK ALL CELLS SOLID, UNLESS NOTED OTHERWISE.
 - CLAMPING DEVICES ARE REQUIRED AT ALL CELLS TO BECURE GROUT TO THOROUGHLY INSPECT FOR AND CURE DEFECTS.
 - CONSOLIDATE ALL GROUT JOINTS WITH MECHANICAL VIBRATION.
 - LIMIT ALL GROUT JOINTS TO 5' - 6" IN 4 HOUR IMPLEMENTS, UNLESS THE CONDITIONS OF THIS 602-18 SECTION 3.50 HAVE BEEN LET.
 - PROTECT AGAINST TEMPERATURE FLUCTUATIONS AS REQUIRED DURING CONSTRUCTION TO WITHSTAND LATERAL LOADS AND THE HYDROSTATIC PRESSURES OF FLUID GROUT.
 - PROVIDE CONTROL JOINTS IN GROUT WALLS, MATCH EXISTING LOCATIONS.
 - PLACE ALL MASONRY IN A 1/2" LUMP RUNNING BOND PATTERN, UNLESS NOTED OTHERWISE. PLACE GROUT IN VERTICAL ALIGNMENT, USE CLOSED END JOINTS AT CORNERS, CHANGES AND BIFURCATIONS.
- STRUCTURAL CONNECTION ANCHOR NOTES**

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Chemical	Unit
Chlorophyll <i>a</i>	µg
Chlorophyll <i>b</i>	µg
Carotenoids	µg

PRODUCT No.
10315.24002

Product name:

S-002

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1. ALL SPECIAL INSPECTIONS AND REPORTING REQUIREMENTS PER SECTION 1704 OF THE BIC AND REFERENCED STANDARDS, INCLUDING THE TASKS OUTLINED IN THE TABLES ON THIS SHEET, SHALL BE PROVIDED.

2. THE OWNER'S AGENTS (OTHER THAN THE CONTRACTOR SHALL EMPLOY QUALIFIED AGENTS TO PROVIDE SPECIAL INSPECTION AND TESTS FOR THE WORK SPECIFIED IN SECTION 1105 OF THE SPECIAL INSPECTION AGREEMENTS SHALL BE QUALIFIED PER 1104.2. OF THE B.C.
3. THE SPECIAL INSPECTORS SHALL, AT A MINIMUM, PROVIDE SPECIAL INSPECTION REPORTS TO THE BUILDING OFFICIAL, OWNERS OR OWNERS AUTHORIZED AGENT, ARCHITECT, AND THE ENGINEER OF RECORD. ALL SPECIAL INSPECTION AND TESTS SHALL BE BROUGHT TO THE IMMEDIATE NOTICE OF THE CONTRACTOR, OWNER OR OWNERS AUTHORIZED AGENT, ARCHITECT, AND THE ENGINEER OF RECORD.
4. THE SPECIAL INSPECTORS SHALL SUBMIT A F.W. SIGNED REPORT DOCUMENTING ALL SPECIAL INSPECTIONS AND TESTS, AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS OR TESTS.
5. QUALITY ASSURANCE AS REQUIRED BY TABLES ON THIS SHEET SHALL BE THE RESPONSIBILITY OF THE OWNERS REPRESENTATIVE. QUALITY CONTROL AS REQUIRED BY THE SPECIAL INSPECTION SCHEDULES SHALL BE PROVIDED BY THE FABRICATION AND/OR ERECTOR.
6. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 24 HOURS OF ADVANCE NOTICE PRIOR TO A REQUIRED SPECIAL INSPECTION AND PROVIDE ACCESS TO THE SITE AS REQUIRED FOR THE SPECIAL INSPECTOR TO COMPLETE THE WORK.
7. THE COST OF ANY REINSPECTION REQUIRED DUE TO CONSTRUCTION ERROR IS THE RESPONSIBILITY OF THE CONTRACTOR.
8. DEFINITIONS:
 - A. QC - QUALITY CONTROL, TO BE PROVIDED BY THE FABRICATION AND ERECTOR, PER ABC 360 CHAPTER 1.1.1.
 - B. QA - QUALITY ASSURANCE, TO BE PROVIDED BY OTHERS WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION, BUILDING CODE, MUNICIPALITY, OWNER, OR ENGINEER OF RECORD, PER ABC 360 CHAPTER 1.1.
 - C. - OBSERVE - THESE TESTS ON A RANDOM BASIS, OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
 - D. - PERSONAL THESE TASKS FOR EACH JOINT OR MEMBER
 - E. - D - DOCUMENT INSPECTION ACTIVITIES.
 - F. PRESIDENTY
 - A. - P - PERSONAL
 - B. - CONTINUOUS

1. THE OWNER OR OWNER'S AUTHORIZED AGENT SHALL EMPLOY A STRUCTURAL ENGINEER, REGISTERED IN THE STATE OF ALASKA, TO PERFORM STRUCTURAL OBSERVATIONS IN ACCORDANCE WITH SECTION 1704.6 OF THE IBC.

2. PRIOR TO THE COMMENCEMENT OF OBSERVATIONS THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL A WRITTEN STATEMENT IDENTIFYING THE PRECEDENT AND EXTENT OF STRUCTURAL OBSERVATIONS.
3. AT THE CONCLUSION OF THE WORK INCLUDED IN THE PERMIT, THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL A WRITTEN STATEMENT THAT THE SITE VISITS HAVE BEEN MADE AND IDENTIFY ANY REPORTED DEFICIENCIES THAT, TO THE BEST OF THE STRUCTURAL OBSERVER'S KNOWLEDGE, HAVE NOT BEEN RESOLVED.

REQUIRED VERIFICATION AND INSPECTION	FREQUENCY
	ρ
REFERENCE B/C TABLE 1705.3 AND ASSOCIATED SECTIONS FROM AC308.1P-19	
INSPECT REINFORCEMENT AND VERIFY PLACEMENT.	

P	VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706.
P	INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16", AND INSPECT ALL OTHER WELDS.
C	INSPECT ANCHORS CAST IN CONCRETE.
P	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.
P	ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UNWANTEDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.
C	MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.4.
P	VERIFY USE OF REQUIRED DESIGN MIX.
P	FOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, OVER-CUR SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF CONCRETE.
C	INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.
C	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.
P	INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE WHEN BEING Poured.
P	

REFERENCE BC SECTION 1705.4 AND THIS Q2 SECTION 1.8	REQUIRED VERIFICATION AND INSPECTION	FREQUENCY
MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE		

PROPORTIONS OF SITE-PREPARED MORTAR	P
GRADE, TYPE, AND SIZE OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS	P
WORK TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE GROUP SPACE	C
PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS	C
FIRST COMPLIANCE OF THE FOLLOWING DURING CONSTRUCTION	C
MATERIALS AND PROCEDURES WITH THE APPROVED SUBSTITUTS	P
PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS	C
SIZE AND LOCATION OF STRUCTURAL MEMBERS	P
TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF REINFORCEMENT TO STRUCTURAL MEMBERS, JOINTS, OR OTHER CONSTRUCTION	C
WELDING OF REINFORCEMENT	C
PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE OVER 90°F)	P
SERIAL PREPARATION OF GROUP SPECIMENS, MORTAR SPECIMENS, AND PRESSURE	C

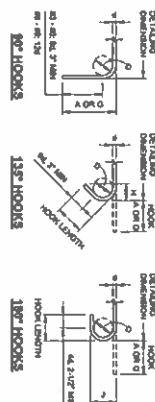
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3.000	3	HR	3.00	3.90	0.90	3.90	0.90
4.000	4	HR	4.00	5.20	1.20	5.20	1.20
5.000	5	HR	5.00	6.50	1.50	6.50	1.50
6.000	6	HR	6.00	7.80	1.80	7.80	1.80
7.000	7	HR	7.00	9.10	2.10	9.10	2.10
8.000	8	HR	8.00	10.40	2.40	10.40	2.40
9.000	9	HR	9.00	11.70	2.70	11.70	2.70
10.000	10	HR	10.00	13.00	3.00	13.00	3.00
11.000	11	HR	11.00	14.30	3.30	14.30	3.30
12.000	12	HR	12.00	15.60	3.60	15.60	3.60
13.000	13	HR	13.00	16.90	3.90	16.90	3.90
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15.000	15	HR	15.00	19.50	4.50	19.50	4.50
16.000	16	HR	16.00	20.80	4.80	20.80	4.80
17.000	17	HR	17.00	22.10	5.10	22.10	5.10
18.000	18	HR	18.00	23.40	5.40	23.40	5.40
19.000	19	HR	19.00	24.70	5.70	24.70	5.70
20.000	20	HR	20.00	26.00	6.00	26.00	6.00
21.000	21	HR	21.00	27.30	6.30	27.30	6.30
22.000	22	HR	22.00	28.60	6.60	28.60	6.60
23.000	23	HR	23.00	29.90	6.90	29.90	6.90
24.000	24	HR	24.00	31.20	7.20	31.20	7.20
25.000	25	HR	25.00	32.50	7.50	32.50	7.50
26.000	26	HR	26.00	33.80	7.80	33.80	7.80
27.000	27	HR	27.00	35.10	8.10	35.10	8.10
28.000	28	HR	28.00	36.40	8.40	36.40	8.40
29.000	29	HR	29.00	37.70	8.70	37.70	8.70
30.000	30	HR	30.00	39.00	9.00	39.00	9.00
31.000	31	HR	31.00	40.30	9.30	40.30	9.30
32.000	32	HR	32.00	41.60	9.60	41.60	9.60
33.000	33	HR	33.00	42.90	9.90	42.90	9.90
34.000	34	HR	34.00	44.20	10.20	44.20	10.20
35.000	35	HR	35.00	45.50	10.50	45.50	10.50
36.000	36	HR	36.00	46.80	10.80	46.80	10.80
37.000	37	HR	37.00	48.10	11.10	48.10	11.10
38.000	38	HR	38.00	49.40	11.40	49.40	11.40
39.000	39	HR	39.00	50.70	11.70	50.70	11.70
40.000	40	HR	40.00	52.00	12.00	52.00	12.00
41.000	41	HR	41.00	53.30	12.30	53.30	12.30
42.000	42	HR	42.00	54.60	12.60	54.60	12.60
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44.000	44	HR	44.00	57.20	13.20	57.20	13.20
45.000	45	HR	45.00	58.50	13.50	58.50	13.50
46.000	46	HR	46.00	59.80	13.80	59.80	13.80

web123

- [illegible]

1 TYPICAL LAP SPlice SCHEDULE

SCALE: NO SCALE



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[illegible]

NOTES ON THE CONTRIBUTORS: Dr. J. B. G. J. van den Broek is a professor in the Department of Mathematics, University of Groningen, The Netherlands. Dr. J. B. G. J. van den Broek is a professor in the Department of Mathematics, University of Groningen, The Netherlands. Dr. J. B. G. J. van den Broek is a professor in the Department of Mathematics, University of Groningen, The Netherlands.

2 TYPICAL STANDARD HOOK DIMENSIONS

S-101 SCALE: NO SCALE

DATE	DRAWN BY	CHECKED BY	DESIGNED BY	SHEET TITLE :
				TYPICAL DETAILS
				BID DOCUMENTS

PROJECT :
PETERSBURG AQUATIC CENTER
DRAIN LINE REPAIRS

PETERSBURG, ALASKA 99833



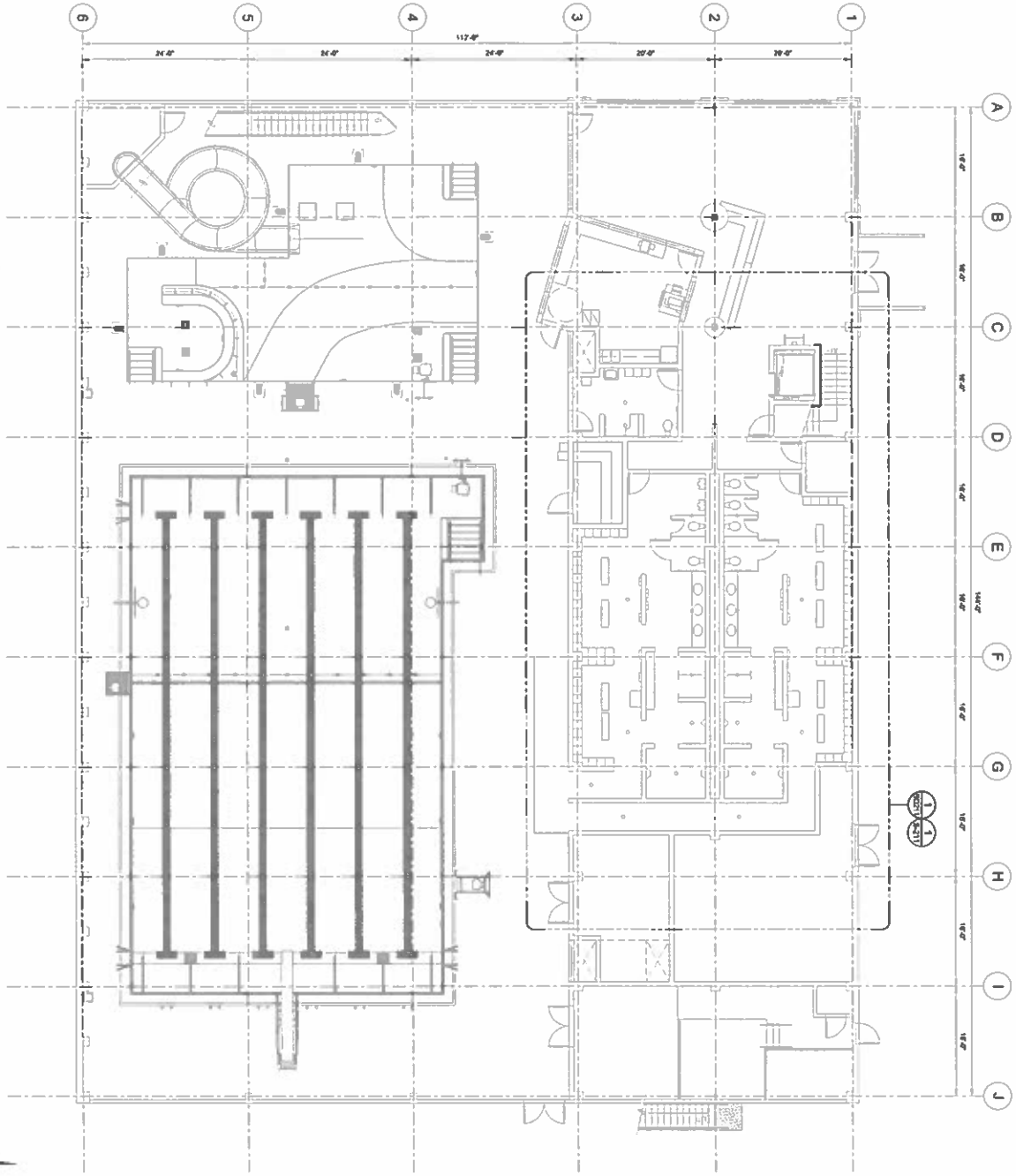
Juneau, AK
 9109 Mendocino Way Rd. Ste 4
 Juneau, AK 99801
 Phone: 907 780 6000
www.fishbase.com
 AFCC 00370



CONSULTANT:

S-101

1
FIRST FLOOR FOUNDATION AND SLAB PLAN
SCALE: 1/8" = 1'-0"



SHEET NOTES

1. FIELD VERIFY EXISTING CONDITIONS.
2. MATERIAL EXCAVATED FROM BELOW THE FIRST FLOOR SLAB MAY NOT BE STORED ON THE FIRST FLOOR SLAB. AN APPROXIMATE LOCATION FOR STORAGE OF MATERIAL OUTSIDE OF THE BUILDING IS INDICATED. COORDINATE THE FINAL LOCATION WITH OWNER.



APPROXIMATE LOCATION OF MATERIAL, SEE SHEET W-2.1

NO.	REVISIONS

S-201

PROJECT: PETERSBURG AQUATIC CENTER
DRAWN BY: J. L. LARSEN
CHECKED BY: J. L. LARSEN
DATE: 03/15/2015
PROJECT NO.: 0315-24002

SHEET TITLE:
REFERENCE PLAN

BID DOCUMENTS

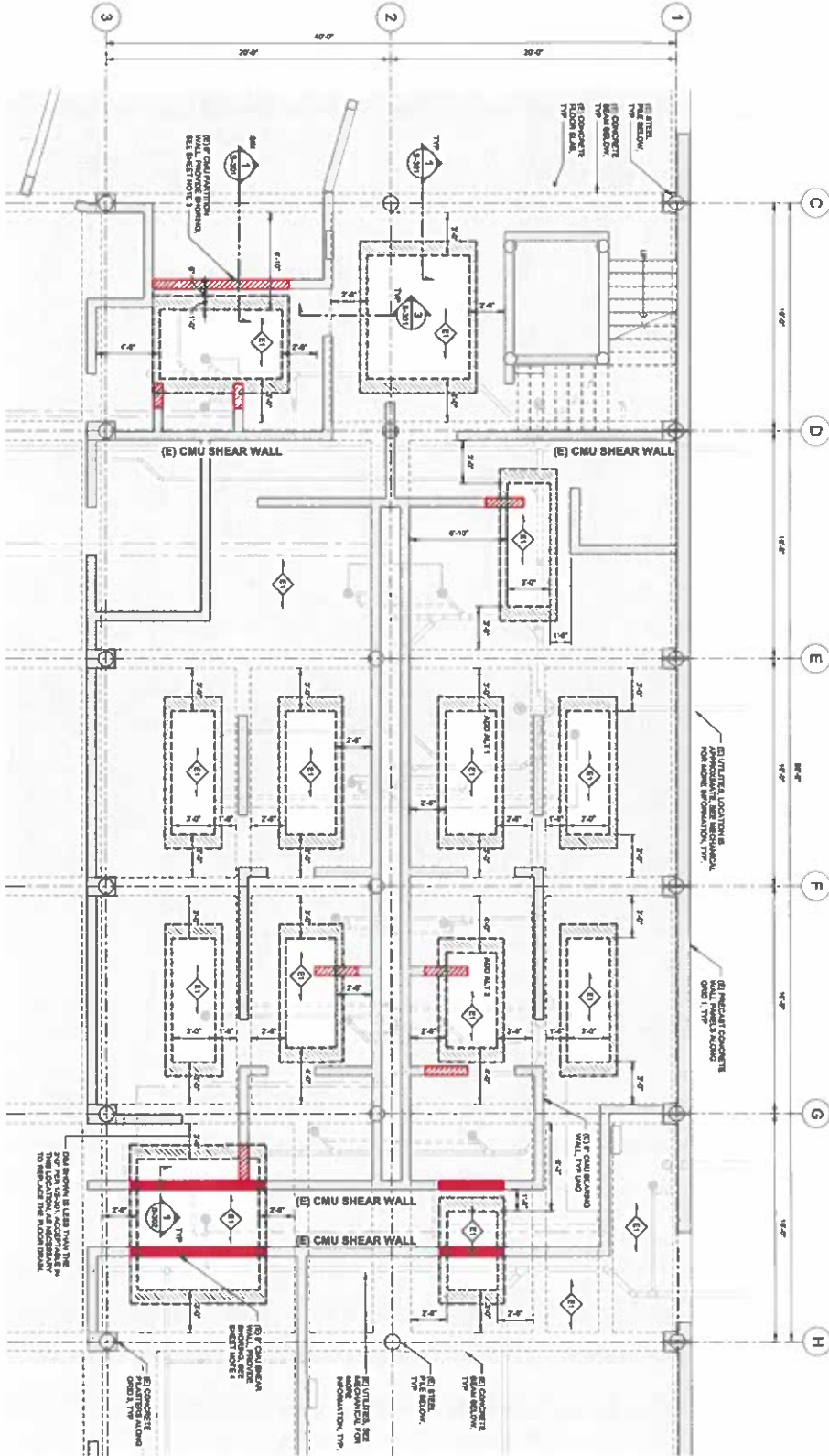
PROJECT:
**PETERSBURG AQUATIC CENTER
DRAIN LINE REPAIRS**

PETERSBURG, ALASKA 99833



CONSULTANT:

1 FIRST FLOOR FOUNDATION AND SLAB PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"



TYPE	FLOOR DESCRIPTION
E1	EXISTING 8" ELEVATED CONCRETE SLAB REINFORCED WITH #5 BARS AT 1'-0" OC, TOP AND BOTTOM, IN SPAN DIRECTION AND #4 BARS AT 1'-4" OC IN PERPENDICULAR DIRECTION, TOP AND BOTTOM.

EXISTING FLOOR SCHEDULE

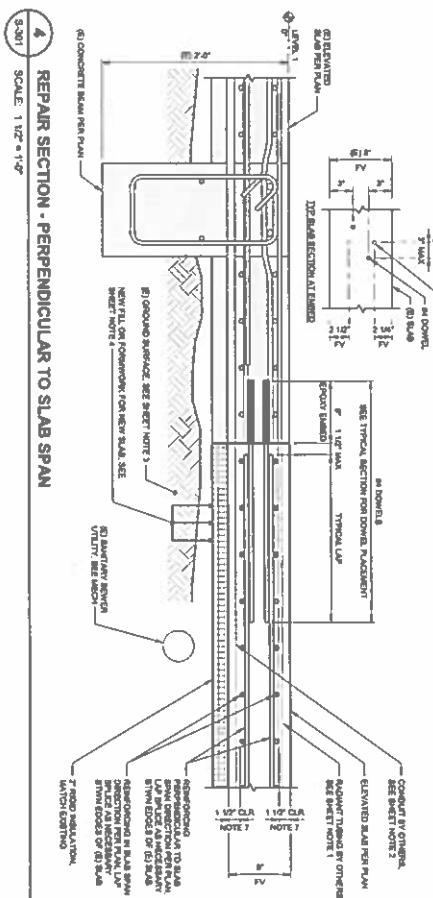
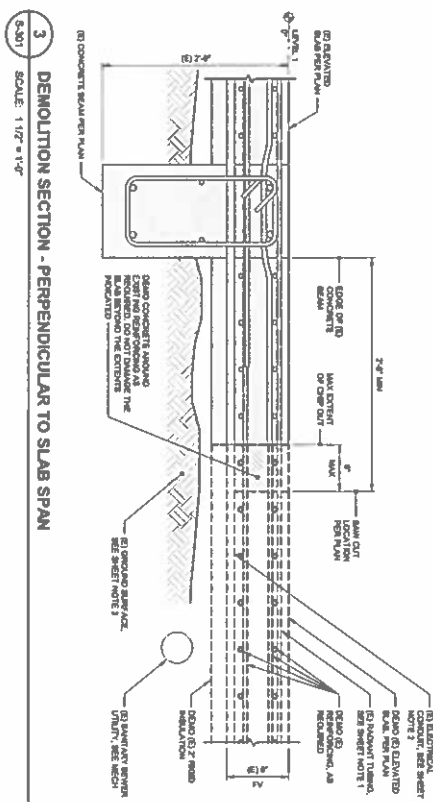
SHORING AND DEMOLITION LEGEND

1. 8" CMU PARTITION WALL SHORING (SEE SHEET NOTE 3)
2. 8" CMU SHEAR WALL SHORING (SEE SHEET NOTE 3)
3. SAW CUT EXTENTS
4. CHIP OUT EXTENTS (SEE SHEET NOTE 2)

SHEET NOTES

1. FIELD VERIFY EXISTING CONDITIONS.
2. CHIP OUT EXTENTS ARE THE MAXIMUM EXTENT OF DAMAGE TO THE EXISTING FLOOR SLAB ALLOWED IN ORDER TO EXPOSE THE EXISTING SLAB REPAIR FOR CONNECTION TO NEW SLAB REPAIR.
3. PROVIDE SHORING FOR ALL INDICATED EXISTING CMU WALLS AS NECESSARY TO PROTECT FROM DAMAGE TO EXISTING SLAB. PROVIDE SHORING TO MATCH EXISTING AT THE CONTRACTOR'S OPTION, SEE SHEET S-202.
4. PROVIDE SHORING FOR ALL INDICATED EXISTING CMU SHEAR WALLS.
5. ADDITIVE ALTERNATES:
A. ADD ALT 1 AND 2 ARE AREAS OF THE FIRST FLOOR SLAB WHICH MAY NEED TO BE REMOVED TO REPAIR THE EXISTING UTILITIES. SEE MECHANICAL FOR MORE DETAILS.
6. DO NOT STORE EXCAVATED MATERIAL ON THE FIRST FLOOR BUILDING SLAB.

SD211 SHEET NUMBER PROJECT NO. 0313-240022 DATE 03/15/2011	SHEET TITLE: PARTIAL FOUNDATION AND SLAB PLAN - DEMOLITION	PROJECT: PETERSBURG AQUATIC CENTER DRAIN LINE REPAIRS	CLIENT: JUNEAU, AK 1000 University Blvd. Ste. 100 JUNEAU, AK 99801 Phone: 907.586.8800 www.respec.com RESPEC	CONSULTANT:
	BID DOCUMENTS	PETERSBURG, ALASKA 99833		



- | Log | Date | Time |
|-----------|------|------|
| REVISIONS | | |



- | | | | |
|---------|----|------|-----|
| REVIEWS | By | From | For |
|---------|----|------|-----|

PART 1 - GENERAL

1. **DESCRIPTION**
A. PROVIDE LABOR, MATERIALS, EQUIPMENT, SUPERVISION OF LABOR, AND PERFORMANCE OF OPERATIONS REQUIRED TO INSTALL MECHANICAL AND PLUMBING SYSTEMS AS DEFINED HEREIN ON THE DRAWINGS AND GENERAL SPECIFICATIONS.
2. **LOGS**
A. COMPLETE WORK IN ACCORDANCE WITH THE 2021 EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC), INTERNATIONAL MECHANICAL CODE (IMC), INTERNATIONAL PLUMBING CODE (IPC), NATIONAL ELECTRICAL CODE (NEC) AND 2017 EDITIONS OF THE UNIFORM PLUMBING CODE (UPC), AND THE CITY OF ALASKA, THE CITY OF PETROSBURG, AND STANDARD APPROVED INDUSTRY PRACTICES.
3. **DRAWINGS**
A. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE SHOWN OFFSETS OR EXACT LOCATIONS OF PIPING UNLESS OTHERWISE NOTED.
B. REVIEW DRAWINGS AND SPECIFICATIONS FOR FEATURES AND EQUIPMENT FURNISHED BY OTHER CRAFTS BUT INSTALLED IN ACCORDANCE WITH THIS SECTION.
C. REPRESENTATIVE
D. CODES, ORDINANCES, REGULATIONS, MANUFACTURER'S INSTRUCTIONS, OR STANDARDS TAKE PRECEDENCE WHEN THEY ARE MORE STRINGENT OR CONFLICT WITH THE DRAWINGS AND SPECIFICATIONS.
4. **COORDINATION**
A. COORDINATE WORK UNDER THIS DIVISION WITH WORK OF OTHER TRADES TO AVOID CONFLICTS, INTERFERENCE, AND CONFLICTS WITH THE DRAWINGS AND SPECIFICATIONS FOR EQUIPMENT FURNISHED BY OTHER CRAFTS BUT INSTALLED IN ACCORDANCE WITH THIS SECTION.
5. **EQUIPMENT SUBSTITUTIONS**
A. EQUIPMENT SUBSTITUTIONS ARE REPRESENTATIVE OF THE STANDARD OF QUALITY.
B. SUBSTITUTIONS WILL BE CONSIDERED IF THE CONTRACTOR DEMONSTRATES TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE, THAT THE SUBSTITUTES ARE OF EQUAL, OR BETTER QUALITY.
6. **PRODUCTS**
A. PROVIDE PRODUCTS AND MATERIALS NEW AND UNLIZED, UNLESS OTHERWISE NOTED.
B. OBTAIN OWNER'S APPROVAL OF PRODUCTS AND MATERIALS PRIOR TO ORDERING OR INSTALLING PARTS OF SYSTEMS.
7. **SUBMITTALS**
A. PROVIDE PRODUCT SUBMITTALS FOR MATERIALS AND EQUIPMENT SHOWN ON THE DRAWINGS.
B. INCLUDE DIMENSIONS, WEIGHTS, CATALOG NUMBERS, WIRING DIAGRAMS, ROUGH-IN DIMENSIONS, AND PERFORMANCE DATA FOR MATERIALS AND EQUIPMENT.
C. IDENTIFY DEVIATIONS FROM THESE SPECIFICATIONS OR BASIS OF DESIGN, INDEX AND IDENTIFY SUBSTITUTIONS FOR GENERAL DESIGN AND ARRANGEMENT AND DOES NOT RELIEVE THE CONTRACTOR FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE SUBMITTAL REVIEW DOES NOT INCLUDE CHECKING FOR QUANTITY, DIMENSION, OR FOR PROPER OPERATION.
D. SUBMITTALS SHALL BE IN ACCORDANCE WITH SECTIONS LABELED AND RECOMMENDED IN ALIGNMENT WITH SPECIFICATIONS.
8. **RECORDS DRAWINGS**
A. SUBMIT A SET OF RECORD DRAWINGS ON THE CONSTRUCTION SITE, RECORD CHANGES ON FLOOR PLANS AND DRAWINGS AS WORK IS COMPLETED.

PART 2 - PRODUCTS

- 22.05.20. **HUNGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT**
A. HANGERS AND SUPPORTS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
1. PROVIDE SUPPORT "S" HANGERS BOLT 1/2" DIA. SS304 OR 316 WITH AN ANTI-COULPER.
2. PROVIDE STAINLESS STEEL SUPPORT HANGERS SLAB ABOVE.
3. PROVIDE CONCRETE RESISTANT HANGERS IN NEW SLAB.
4. PROVIDE CONCRETE RESISTANT HANGERS IN EXISTING SLAB.
5. PIPE HANGER TYPE, SPIT RING.
A. STAINLESS STEEL, OR OTHER APPROVED CORROSION RESISTANT MATERIAL.
- 22.11.00. **FACILITY WASTE DISTRIBUTION**
A. CROSSBOLDED POLYETHYLENE (PEB) PIPING (INDIVIDUAL FITTINGS ONLY)
B. BY PECA OR EXCEL METHOD, WITH FIBER LAYER (FASER) TO RESTRICT THERMAL EXPANSION, MATCH EXISTING.
C. PROVIDE ASTM A180 TYPE PECA COLD EXPANSION FITTINGS.
D. PROVIDE TYPE 110 TYPICAL CONSISTING OF PROPEX INSERT AND CORRESPONDING PROPEX RING.
E. PROVIDE TYPE 110 COPPER BODY WITH LANS 3800 SERIES BRASS PROPEX OUTLET CONNECTIONS MANIFOLD.
- 22.13.00. **FACILITY SANITARY SEWER**
A. SANITARY WASTE AND VENT PIPING:
B. PVC PIPE, ASTM D2688 OR ASTM D2689, SCHEDULE 40.
C. SOFTS, ASTM D2688, SOLVENT WELD WITH ASTM D2689 SOLVENT CEMENT.
D. FITTINGS AND JOINTS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
E. SOFTS, ASTM D2688, SOLVENT WELD WITH ASTM D2689 SOLVENT CEMENT.
- 22.13.13.13. **SANITARY DRAINS**
A. FLOOR DRAIN SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
B. UNDERGROUND OTHERWISE SCHEDULED OR CALLED AS REQUIRED, SECURED BY COULTER SLAVE SCREWS, ANSI A117.1, GALVANIZED CAST IRON TWO PIECE BODY WITH DOUBLE DRAINAGE FLANGE, WEIR HOLE, REVERSIBLE COULTER COULTER AND WITH PROPEX LANE CONNECTION, BASIS OF DESIGN IS 2017-2021 IS-G-4. PROVIDE TRAP DRAIN STAINLESS STEEL TOP, SEE ABOVE.
C. FLOOR DRAIN SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
D. CONTRACTOR TO VERIFY COMPATIBILITY OF JOINT.
- 22.13.20. **RADIANT HEATING FLOOR SYSTEMS**
A. SUPPLY 1/2-INCH DIAMETER UPONOR (W/SS304) OR PEX COMPOSITE POLYETHYLENE PIPE, EXISTING TUBING IS W/SS304, 1/2-INCH DIAMETER.
B. PRESSURE AT MANIFOLD SHALL BE 120 PSI.
C. PRESSURE AT MANIFOLD SHALL BE 120 PSI.
D. 210 DEGREES F MAX OPERATING TEMPERATURE.

PART 3 - EXECUTION

1. **GENERAL**
A. INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND PER INDUSTRY STANDARDS.
B. PROVIDE CLEARANCE IN HUNGERS AND FROM STRUCTURE AND OTHER EQUIPMENT FOR EQUIPMENT TO BE INSTALLED IN ACCORDANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE OF THE WORK.
C. EXAMINE FOUNDATION FOR PIPING AND ELECTRICAL CONNECTIONS TO VERIFY ACTUAL LOCATIONS.
D. REPAIR FOUNDATION FOR PIPING AND ELECTRICAL CONNECTIONS TO VERIFY ACTUAL LOCATIONS.
E. REPAIR FOUNDATION FOR PIPING AND ELECTRICAL CONNECTIONS TO VERIFY ACTUAL LOCATIONS.
F. REPAIR FOUNDATION FOR PIPING AND ELECTRICAL CONNECTIONS TO VERIFY ACTUAL LOCATIONS.
2. **DRINK WATER AND SPECIALTIES**
A. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS WHERE SPECIFIC INSTALLATION IS NOT INDICATED.
B. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS WHERE SPECIFIC INSTALLATION IS NOT INDICATED.
C. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS WHERE SPECIFIC INSTALLATION IS NOT INDICATED.
D. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS WHERE SPECIFIC INSTALLATION IS NOT INDICATED.
E. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS WHERE SPECIFIC INSTALLATION IS NOT INDICATED.
3. **DRAINAGE PIPING**
A. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS WHERE SPECIFIC INSTALLATION IS NOT INDICATED.
B. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS WHERE SPECIFIC INSTALLATION IS NOT INDICATED.
C. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS WHERE SPECIFIC INSTALLATION IS NOT INDICATED.
D. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS WHERE SPECIFIC INSTALLATION IS NOT INDICATED.
E. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS WHERE SPECIFIC INSTALLATION IS NOT INDICATED.
4. **UNDERGROUND PIPING, VALVES, AND SPECIALTIES**
A. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS WHERE SPECIFIC INSTALLATION IS NOT INDICATED.
B. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS WHERE SPECIFIC INSTALLATION IS NOT INDICATED.
C. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS WHERE SPECIFIC INSTALLATION IS NOT INDICATED.
D. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS WHERE SPECIFIC INSTALLATION IS NOT INDICATED.
E. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS WHERE SPECIFIC INSTALLATION IS NOT INDICATED.
5. **PIPING SYSTEM TEST AND STRUTURES**
A. TEST AND STRUTURES SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL.
B. TEST PIPING SYSTEMS IN THE PRESENCE OF THE OWNER OR OWNER'S REPRESENTATIVE.
C. PROTECT EQUIPMENT, GAGES, CONTROLS, AND THERMOMETER WELLS DURING TESTS.
D. TEST DRAINAGE, WASTE, AND VENT PIPING PROGRESSIVELY BY FILLING PIPING WITH WATER TO SYSTEMS SHALL REMAIN TIGHT WITHOUT LEAKS, DISPLACEMENT, OR STRAINING UNDER TESTING CONDITIONS, CORRECT DEFICIENT WORK RESULTING IN LEAKS, DISPLACEMENT, OR STRAINING AND RETEST THE SYSTEM UNTIL NO DEFICIENCIES REMAIN.
6. **REPAIRS**
A. SEAL WALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS, AND CEILINGS WITH FIRE RATED SEALANT.
B. SEAL WALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS, AND CEILINGS WITH FIRE RATED SEALANT.
C. SEAL UNINSULATED PRESS. DUCTS, OR CONDUTIT WITH SLODORCE OR CEMENT.
D. FLASH AND SEAL PENETRATIONS THROUGH ROOF DECK WATER TIGHT.
7. **RADIANT PIPING**
A. SEE SHEETS 20111 AND 20111.
B. AFTER SAW CUTTING OF SLAB COORDINATE WITH GENERAL CONTRACTOR TO CHOP AWAY CONCRETE TO EXPOSE RADIANT PIPING AND TUBING.
C. AFTER SAW CUTTING OF SLAB COORDINATE WITH GENERAL CONTRACTOR TO CHOP AWAY CONCRETE TO EXPOSE RADIANT PIPING AND TUBING.
D. PROVIDE PRESSURE TESTING OF RADIANT TUBING, MAINTAIN 5 PSI DURING CONCRETE POURING.

REVISION	DATE	DESCRIPTION
1	03/12/24/02	

M-002

SHEET TITLE:
SPECIFICATIONS
BID DOCUMENTS

PROJECT:
PETERSBURG AQUATIC CENTER
DRAIN LINE REPAIRS
PETERSBURG, ALASKA 99833

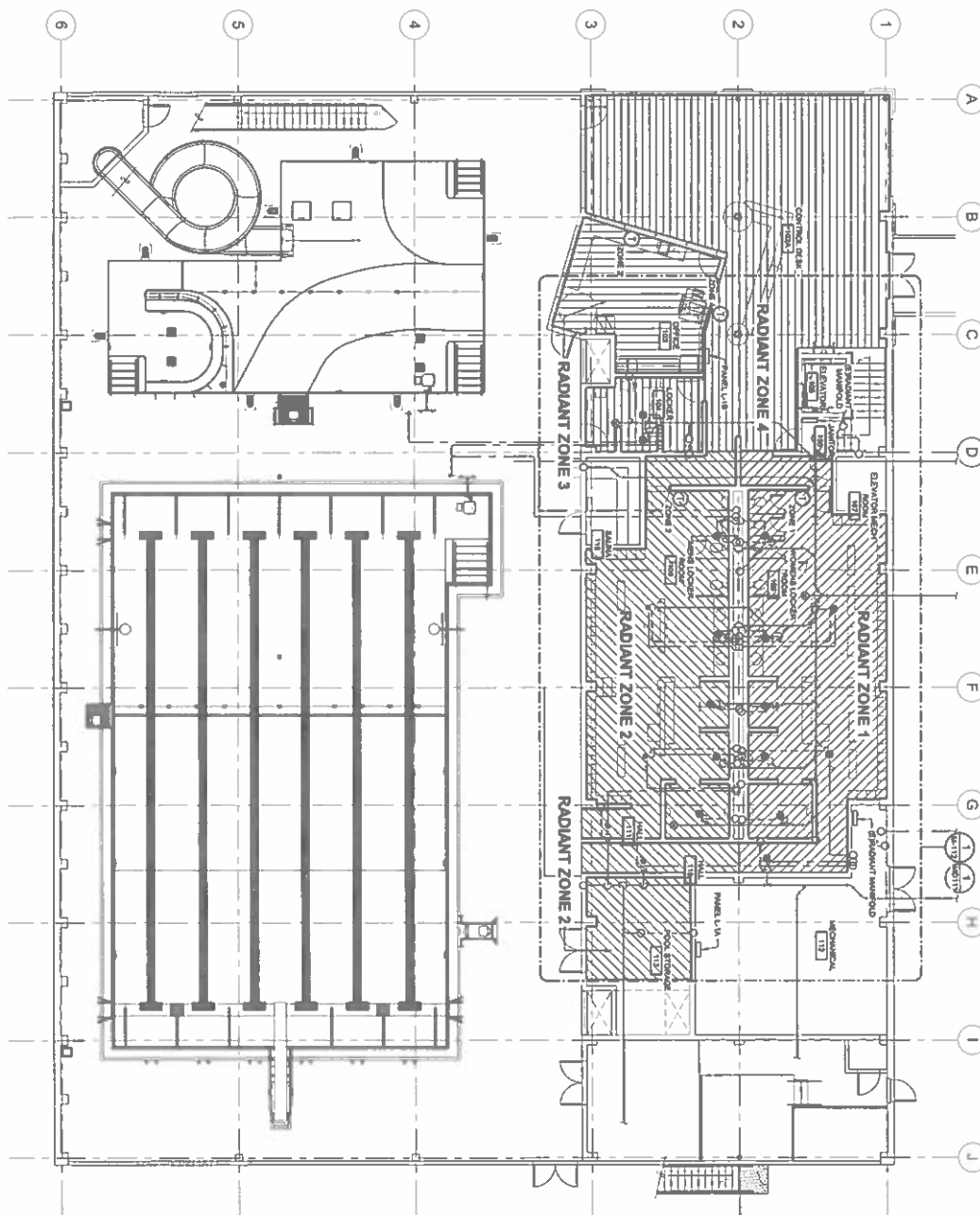


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9500 Mendenhall Blvd. Ste. 4
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Phone: 907.586.1200
www.respect.com
AEC-03270



CONSULTANT:

1
14-111
OVERALL PLAN - PLUMBING
SCALE: 1/8" = 1'-0"



SHEET NOTES

1. EXISTING RADIANT TUBING IS WIRSBO HEPEX 1/2" TUBING INSTALLED 12" OC. SHOP DRAWINGS OF THE TUBING ARE NOT AVAILABLE.

RADIANT PIPING RECONNECTION INSTRUCTIONS

1. OPEN THE MANHOLE DRAIN VALVES TO RELEASE WATER FROM THE ZONES AS REQUIRED. A SUFFICIENT TUBING SYSTEM OF ANOTHER WATER LINE MUST BE USED TO REMOVE THE WATER FROM THE WATER DRAINING REPAIRS.
2. REMOVAL OF EXISTING TUBING, COMPARTMENT WITH GENERAL CONTRACTOR DURING CONCRETE SLAB REMOVAL, FOR TUBING REMOVAL, SAWCUT SLAB FOR INITIAL DEMOLITION, IN CASE SHOWN, REMOVE CONCRETE, REBAR, AND TUBING, CAREFULLY, OPEN CONCRETE CUT AND TUBING FOR REMOVAL, TIE OFF THE TUBING TO THE EXISTING TUBING CONNECTION TO EXISTING TUBING. SEE DETAIL 2 ON SHEET 14-111
3. USING REPAIR FITTINGS, IF THE LEAK IS AT A JOINT, CUT THE EXISTING TUBING TO REMOVE THE LEAK. USE AN APPROVED PECK TO PUNCH TO CONNECT THE TUBING SECTIONS.
4. REPLACE DAMAGED OR REMOVED SECTIONS, IF THE TUBING SHOWS AND REPLACE IT WITH A NEW PIECE OF PEK TUBING.
5. TEST THE SYSTEM ONCE REPAIRS ARE COMPLETE. REFILL THE SYSTEM WITH WATER, CHECK FOR LEAKS, AND SYSTEM TO BE TESTED WITH THERMISTERS TO MONITOR THE THERMISTERS FOR ISSUES.
6. MAINTAIN 34 PSI PRESSURE AND CONTINUOUSLY MONITOR DURING REPORT OF TEST PRESSURES.
7. VERIFY PROPER OPERATION OF FLOWMETER TUBING HEATING SYSTEM AFTER COMPLETION AND CONTROL ROOM ROOM THERMOSTAT.

REVISED	DATE	BY

M-111

SHEET TITLE :
OVERALL PLAN - RADIANT TUBING

BID DOCUMENTS

PROJECT:
PETERSBURG AQUATIC CENTER
DRAIN LINE REPAIRS

PETERSBURG, ALASKA 99833

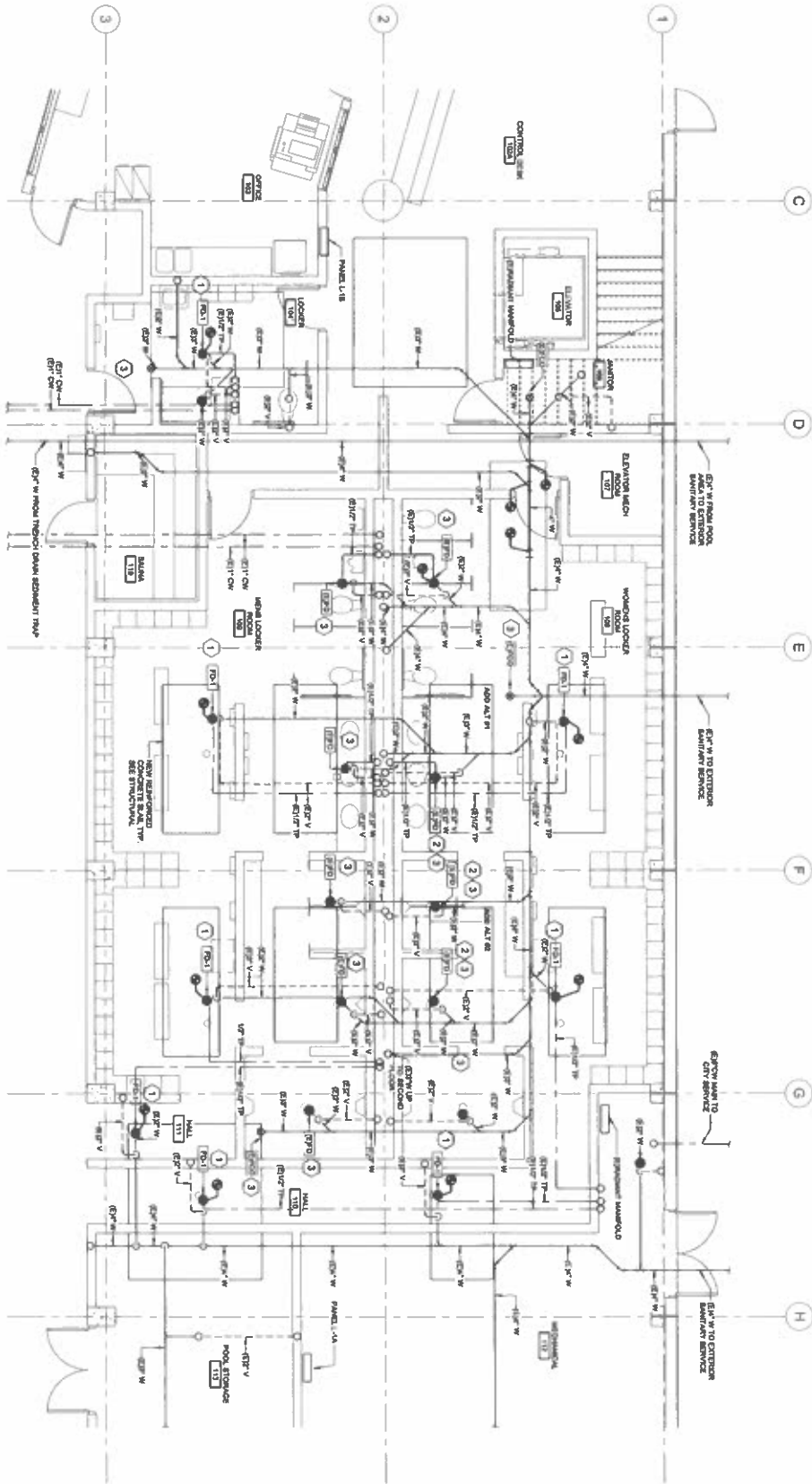


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AEC 163270



CONSULTANT:

1
1st FLOOR PLAN - PLUMBING
 SCALE: 1/4" = 1'-0"



SHEET NOTES

1. REPLACE UNDERGROUND WASTE, VENT, AND TRAP PIPING AS NECESSARY IN ORDER TO PREPARE FOR NEW UNDERGROUND WASTE AND VENT PIPING. SEE DETAIL ON SHEET M-112 FOR UNDERGROUND PIPING SHOWN IS NOT AS-BUILT BUT IS TAKEN FROM ORIGINAL CONSTRUCTION DOCUMENTS AND SUBSEQUENT RECENT SITE PICTURES.
2. SEE SHEET M-111 FOR RELATED WORK REPAIRING AND REPAIRING RADIANT TUBING IN CUT SLAB LOCATIONS.
3. PRESSURE TEST AND BALANCE MODIFIED RADIANT HEATING SYSTEM AS NEEDED FOR NEW WORK.

SHEET KEYNOTES

1. REPLACE FLOOR DRAIN CONNECT TO EXISTING WASTE PIPING. SECURE EXISTING FLOOR DRAIN WASTE PIPING TO SLAB. SEE DETAIL ON SHEET M-101.
2. ALTERNATE WORK: REPLACE IF NECESSARY TO COMPLETE BASE BID WORK.
3. WHERE DEMO OF CONCRETE NOT REQUIRED AND (E) DRAINS AND CLEANOUTS LEFT IN PLACE, PROVIDE SLOPED LEVELING CONCRETE PER DETAIL ON SHEET M-101. PROVIDE SLOPED LEVELING CONCRETE PER DETAIL ON SHEET M-101. PROVIDE SLOPED LEVELING CONCRETE PER DETAIL ON SHEET M-101.



REVISIONS

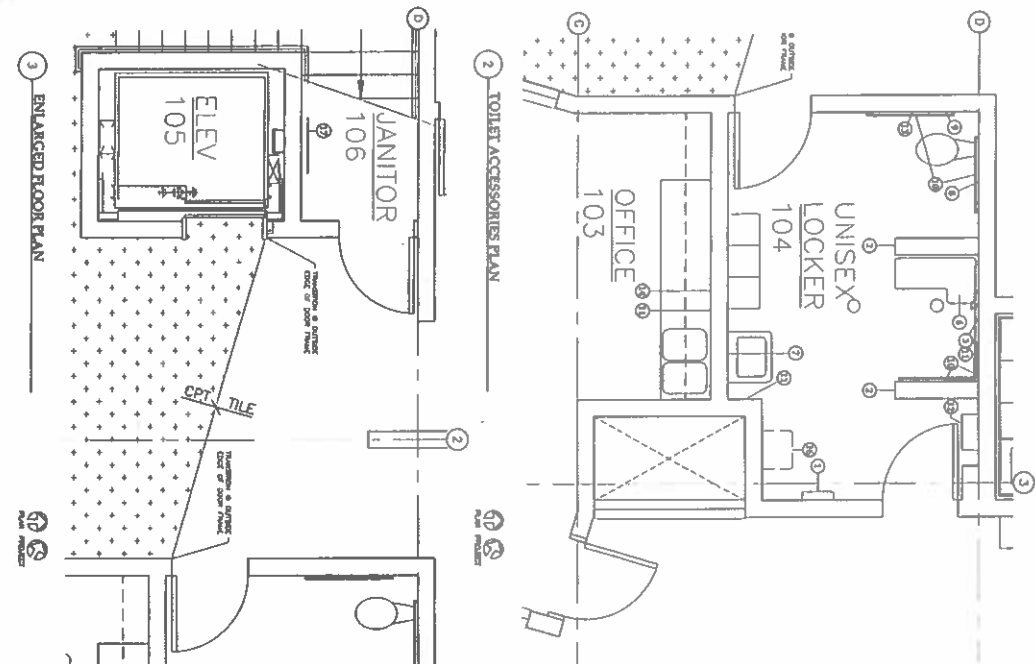
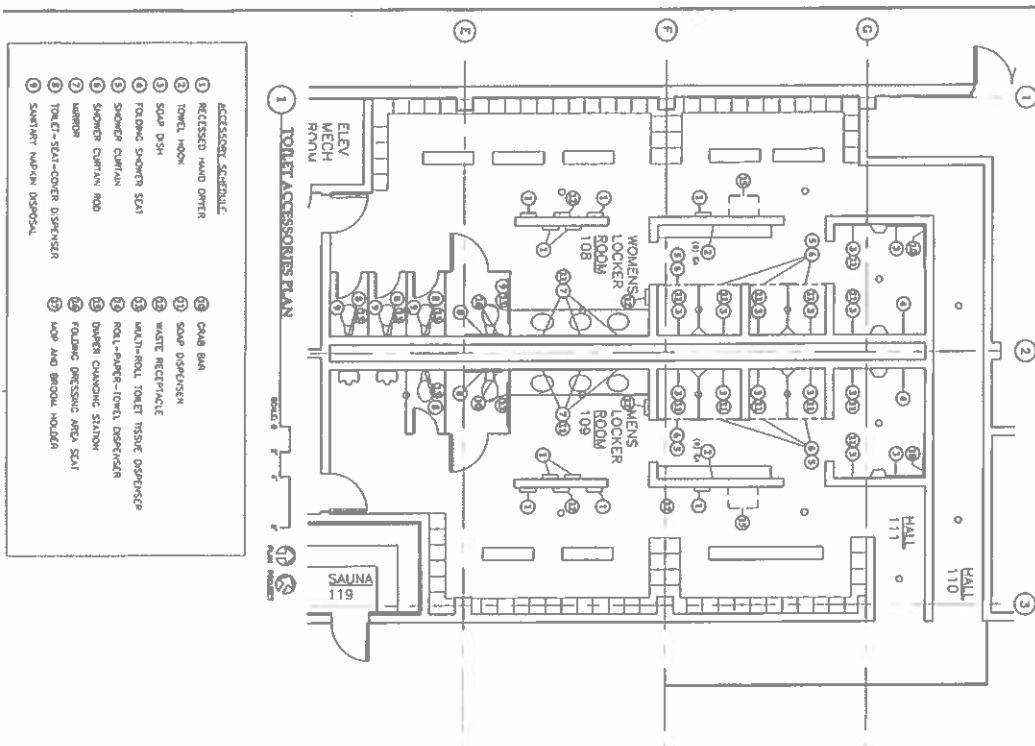
M-112
 PROJECT NUMBER
 0315.24002

SHEET TITLE
FIRST FLOOR PLAN - UNDERGROUND PLUMBING
BID DOCUMENTS

PROJECT
PETERSBURG AQUATIC CENTER DRAIN LINE REPAIRS
PETERSBURG, ALASKA 99833



CONSULTANT:



PETERSBURG AQUATIC CENTER
PETERSBURG, ALASKA

Jensen Yorba Lott Inc.

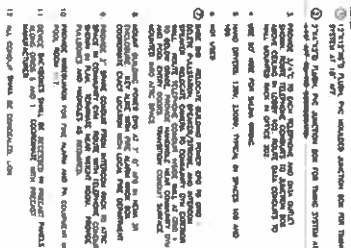
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www.respec.com
AEC 910770

NO.	DATE	REVISION
1	2-14-15	REVISED

<p>SHEET TITLE: EXHIBIT DRAWING</p> <p>BID DOCUMENTS</p>	<p>PROJECT: PETERSBURG AQUATIC CENTER DRAIN LINE REPAIRS</p> <p>PETERSBURG, ALASKA 99833</p>	<p>CONSULTANT:</p>	<p>EX1</p>
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- a. Replaces all five alarm voice/speech speakers with horns.
- b. Adds a strobe only unit in the vestibule to Women's Locker Room 108, above the benches in the men's locker area.
- c. Adds a ceiling mounted strobe only unit in Women's Locker Room 108, above the benches in the men's locker area.
- d. Adds a strobe only unit in the vestibule to Men's Locker Room 109, above the benches in the men's locker area.
- e. Adds a ceiling mounted strobe only unit in Men's Locker Room 109, above the benches in the men's locker area.

STORY WORDS



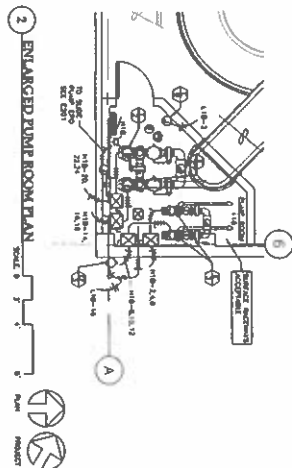
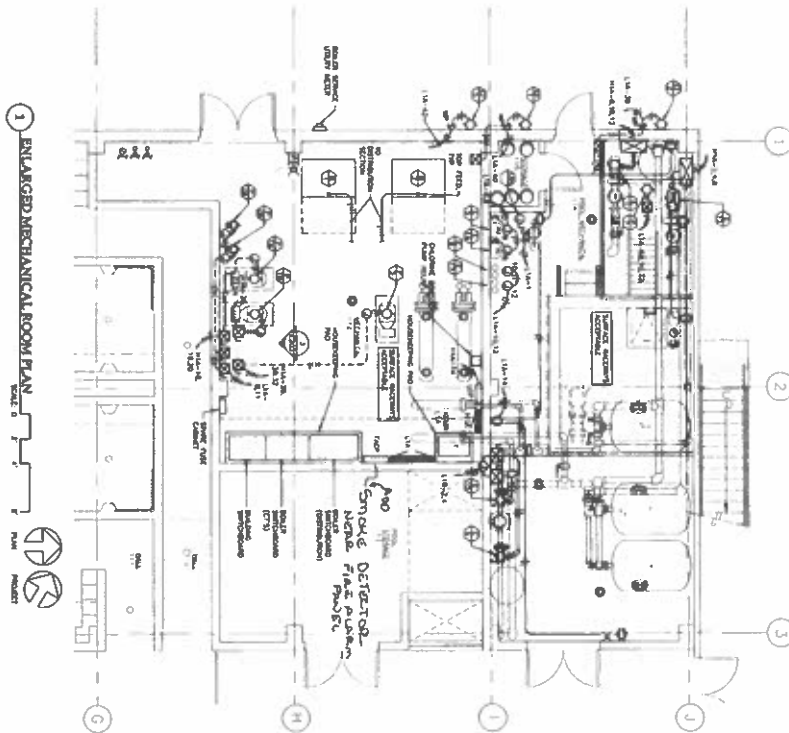
**HAIGHT
& ASSOCIATES**
COMMUNITIES
ELECTRICAL
ENGINEERS

2001 Lakeside Drive
Ann Arbor, Michigan 48106
(313) 963-4100

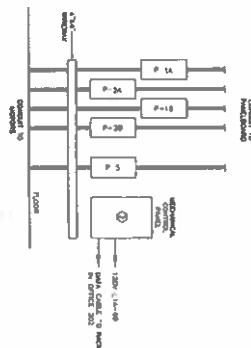
E201

CONSULTANT:

Rev 13, 2015 2:28PM
 7/2/2015 2:00 PM 2015.1.14088 - P80 Aquatic Center Sewer Line Rehabilitation/ACMECH/2015.14088_0001.rvt



3 PARTIAL ELEVATION - SOUTH WALL. No Wood



Notes:
 1. Verify existing structure and existing conditions prior to construction.
 2. Verify existing structure and existing conditions prior to construction.
 3. Verify existing structure and existing conditions prior to construction.

PROJECT TITLE:
 EXHIBIT DRAWING
 BID DOCUMENTS

PETERSBURG AQUATIC CENTER
 PETERSBURG, ALASKA



HAIGHT & ASSOCIATES
 CONSULTING ENGINEERS AND ARCHITECTS
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 Anchorage, Alaska 99501
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Jensen Yorba Inc.
 9120 Montross Blvd. Ste 4
 Anchorage, Alaska 99501
 Phone: 907.561.4000
 www.jensen.com
 AEC 163270

NO.	DATE	REVISIONS
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

<p>EX4</p> <p>PROJECT NO. 2015.14088</p> <p>DATE 7/2/2015</p> <p>DESIGNED BY: [Signature]</p> <p>CHECKED BY: [Signature]</p> <p>APPROVED BY: [Signature]</p>	<p>PROJECT:</p> <p>PETERSBURG AQUATIC CENTER</p> <p>DRAIN LINE REPAIRS</p> <p>PETERSBURG, ALASKA 99833</p>	<p>CONSULTANT:</p> <p>Jensen Yorba Inc.</p> <p>9120 Montross Blvd. Ste 4 Anchorage, Alaska 99501 Phone: 907.561.4000 www.jensen.com AEC 163270</p>
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[illegible]

CONSULTANT: