ADDENDUM #2
Water System Improvements – Proposed Booster Pump Station
Village of Port Sanilac
April 24, 2024

The following clarifications and additions are to be incorporated into the construction plans, bidding and contract documents:

1. Refer to Drawing Sheets S-0, A-1, and A-4. (see attached)
   Lintel over door 100 and 101 has been revised, see detail 4/A-4.

2. Section 33 12 23 Skid Mounted Water Booster Pumping Systems, 1.02.A.1 – Qualification of Manufacturers
   The following additional suppliers have been approved as suppliers for this project.

   a. Precision Pumping Systems of Boise ID, Local Representative – Solberg Knowles and Associates - Joe Ciurlino (412) 737-5543
   b. Fluid Cooling Systems / Velocity Pump & Controls of Burton, MI – Dan Orlowski (586) 533-8759

   These manufacturers have indicated that they can meet all the specifications as well as BABAA requirements. The manufacturers will be responsible for modifying their standard designs to meet the requirements of the specifications.

Each bidder <u>must</u> acknowledge receipt of this addendum of the Bid Section C-410 Article 7.03.A.

END OF ADDENDUM

Prepared by:
ROWE Professional Services Company
540 S. Saginaw Street
Suite 200
Flint, MI 48502
(810) 341-7500

STRUCTURAL SPECIFICATIONS

WOOD FRAMING

1. DIMENSIONAL FRAMING MATERIAL SHALL BEAR THE GRADE MARK OF AN ALSC APPROVED AGENCY AND SHALL HAVE MET THE REQUIREMENTS FOR:

   A. PLATES AND BLOCKING - HEM FIR NO. 2 OR BETTER

2. ROOF SHEATHING AT THE SLOPED ROOF AREAS SHALL BE 1/2 INCH APA RATED WITH A PANEL SPAN RATING OF 32/16 AND SHALL BE EXTERIOR GRADE.

3. NAIL ROOF DECK TO SUPPORTS WITH 8D NAILS SPACED AT 6 INCHES O.C. AT SUPPORTED EDGES AND AT 12 INCHES O.C. AT INTERMEDIATE SUPPORTS.

4. ALL FRAMING SHALL BE ANCHORED TO SUPPORTS USING SIMPSON STRONG TIE CONNECTORS OR EQUAL. SEE DETAILS FOR SPECIFIC REQUIREMENTS.

5. ALL FRAMING SHALL BE ERECTED TRUE LEVEL AND/OR PLUMB. MEMBERS SHALL BE SECURELY NAILED OR BOLTED IN PLACE AS DETAILED AT THE PROPER LOCATIONS OR SPACING INDICATED. ALL FRAMING MEMBERS SHALL BE OF FULL LENGTH WITHOUT PIECES ADDED OR SPLICED. FURRING, BLOCKING, NAILERS, ETC. SHALL BE SECURELY ANCHORED IN PLACE.

6. COMPLY WITH THE RECOMMENDATIONS AND PRACTICES OF THE AITC, NFPA AND TIP FOR THE INSTALLATION OF ALL WOOD FRAMING.

7. ALL WOOD IN CONTACT WITH EXTERIOR, MASONRY OR CONCRETE SHALL BE PRESSURE TREATED.

8. ALL WOOD PROVIDED SHALL BE SEASONED WITH MAXIMUM MOISTURE CONTENT OF 19% AT THE TIME OF DRESSING

WOOD TRUSSES

1. ALL WOOD TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING LOADS:

TOP CHORD DEAD LOAD	10 PSF + WEIGHT OF TRUSS + WEIGHT OF HVAC UNITS
BOTTOM CORD DEAD LOAD	10 PSF + WEIGHT OF TRUSS
TOP CHORD LIVE LOAD	20 PSF - SEE STRUCTURAL GENERAL NOTES SHEET A-1 FOR SNOW LOAD

2. THE EXTENT OF ROOF TRUSSES SHOWN ON THE PLANS IS FOR REFERENCE ONLY. THE FABRICATOR SHALL VERIFY ALL DIMENSIONS, TRUSS LAYOUT, CONFIGURATIONS, NUMBER OF EACH TYPE OF TRUSS REQUIRED, LOADING AND DETAILS.

3. WOOD TRUSSES SHALL BE DESIGNED, FABRICATED AND INSTALLED PER TRUSS PLATE INSTITUTE, INC. SPECIFICATIONS AND NFPA NATIONAL, INC. SPECIFICATIONS AND NFPA NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.

4. ALL TRUSSES SHALL BE ANCHORED TO SUPPORTS AND INDICATED AN IF NOT INDICATED, PER MANUFACTURERS RECOMMENDATIONS.

5. DEFLECTION OF TRUSSES SHALL BE LIMITED TO MAXIMUM LIVE LOAD DEFLECTION OF SPAN/360.

SUBMITTALS:

6. SHOP DRAWINGS SHOWING SIZES, DESIGN VALUES, MATERIALS, AND DIMENSIONAL RELATIONSHIPS OF COMPONENTS AS WELL AS BEARING AND ANCHORAGE DETAILS. TO EXTEND ENGINEERING DESIGN CONSIDERATIONS ARE FABRICATOR'S RESPONSIBILITY, SUBMIT DESIGN ANALYSIS AND TEST REPORTS INDICATING TRUSS PERFORMANCE CHARACTERISTICS COMPLY WITH REQUIREMENTS. CALCULATIONS AND SUBMITTALS OF REQUIRED CONNECTORS TO CONNECT TRUSSES TO GIRDER TRUSSES.

7. PROVIDE SHOP DRAWINGS WHICH HAVE BEEN SIGNED AND STAMPED BY AN ENGINEER LICENSED TO PRACTICE IN THE STATE OF MICHIGAN.

8. DESIGN AND SPECIFICATION OF TEMPORARY AND PERMANENT WOOD TRUSS BRACING BY TRUSS MANUFACTURER AND SHOWN ON SHOP DRAWINGS. TRUSS INSTALLER SHALL PROVIDE AND INSTALL BRACING PER SHOP DRAWINGS.

MASONRY

1. THE MASONRY PORTIONS OF THIS STRUCTURE ARE DESIGNED ACCORDING TO THE LATEST WORKING STRESS DESIGN PROVISIONS OF THE MASONRY STANDARDS JOINT COMMITTEE (MSJC) BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530/ASCE 5/TMS 402) AND SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1/ASCE 6/TMS 402) INCLUDING (ACI 530.1/ASCE 6/TMS 602) INCLUDING SECTIONS 2106 AND 2107 OF CHAPTER 21 IN THE MICHIGAN BUILDING CODE MASONRY COMPONENTS HAVE BEEN DESIGNED ACCORDING TO THE PROVISIONS FOR SEISMIC DESIGN CATEGORY B.

2. ALL STRUCTURAL MASONRY IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST MASONRY STANDARDS JOINT COMMITTEE (MSJC) BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530/ASCE 5/TMS 402) AND SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1/ASCE 6/TMS 602). MASONRY SUBMITTALS ARE REQUIRED BY ACI 530.1/ASCE 6/TMS 602 SECTION 1.5. MASONRY TESTING AND INSPECTIONS ARE REQUIRED BY ACI 530.1/ASCE 6/TMS 602 SECTION 1.6, TABLE 5, LEVEL 2 QUALITY ASSURANCE.

3. ALL STRUCTURAL MASONRY HAS BEEN ENGINEERED IN ACCORDANCE WITH CHAPTER 2. ALLOWABLE STRENGTH DESIGN. COMPRESSION STRENGTH SHALL BE DETERMINED ACCORDING TO THE UNIT STRENGTH METHOD FOR CONCRETE MASONRY MSJC SECTION 1.4.B.2.b.

4. ALL BLOCK SHALL CONFORM TO ASTM C 90 AND C 140, TYPE 1, GRADE N.

5. MORTAR SHALL CONFORM TO ASTM C 90 AND C 140, TYPE 1, GRADE N
   IN CONTACT WITH EARTH-TYPE M OR S TYPE M OR S = 1900 PSI
   REINFORCED-TYPE S TYPE N = 2150 PSI
   NOT IN CONTACT WITH EARTH-TYPE N, M OR S

6. GROUT SHALL CONFORM TO ASTM C 476, WITH PEA GRAVEL AGGREGATE AND MINIMUM STRENGTH OF 2000 PSI.

7. MINIMUM MASONRY COMPRESSIVE STRENGTH SHALL BE f'm = 1500 PSI.

8. ALL STRUCTURAL MASONRY SHALL COURSE IN STANDARD RUNNING BOND, UNLESS NOTED OTHERWISE. ALL INTERSECTING BEARING WALLS, SHEAR WALLS OR OTHER STRUCTURAL WALLS SHALL BE LAID UP IN INTERLOCKED, BONDED COURSING. MECHANICAL ANCHORS OR WALL TIES MAY BE SUBSTITUTED WITH PRIOR APPROVAL BY THE ENGINEER.

9. PROVIDE HORIZONTAL WIRE TYPE REINFORCING WITH 9 GAUGE SIDE RODS AND 9 GAUGE CROSS RODS IN EVERY SECOND COURSE (16" O.C.), IN ALL MASONRY WALLS. SPACE AT 8" O.C. AT PARAPET WALLS. PROVIDE "LADDER" TYPE REINFORCING ONLY IN WALLS WITH VERTICAL REINFORCING. PROVIDE ADJUSTABLE TIES AT ALL LINTELS AND CAVITY WALLS AT 18" O.C. MAXIMUM SPACING.

10. PROVIDE 1-#5 VERTICAL BAR EACH SIDE OF EACH CONTROL JOINT; SEE PLANS FOR ADDITIONAL REINFORCING AT CORNERS, OPENINGS, ETC.

11. ALL REINFORCING BARS, DOWELS AND TIES SHALL CONFORM TO ASTM A615, GRADE 60. VERTICAL REINFORCING BARS SHALL BE HELD IN PLACE BY POSITIONERS SPACED NOT FURTHER THAN RECOMMENDED BY CODE.

12. PROVIDE A CONTINUOUS BOND BEAM, WITH 2-#5's, AT TOP OF WALLS PARALELL WITH ROOF/FLOOR FRAMING. STEP BOND BEAMS ELEVATIONS AS REQUIRED, LAP MINIMUM 32".

13. PERFORM GROUTING ACCORDING TO THE FOLLOWING:
    - ALL MASONRY BELOW GRADE SHALL BE GROUTED SOLID
    - ALL CORES WITH VERTICAL REINFORCING OR TO RECEIVE DRILLED IN ANCHORS SHALL BE GROUTED SOLID
    - MAXIMUM 4'-0" HIGH LIFTS

14. ALL BEAMS SUPPORTING MASONRY, INCLUDING STEEL, PRECAST AND MASONRY LINTELS ARE TO BEAR 8" MIN. ON 3 COURSES OF SOLID MASONRY.

15. MASONRY LINTELS FOR MISCELLANEOUS OPENINGS:
    - MASONRY LINTEL (2) courses - REINF. w/2-#5 TOP AND BOTTOM AND #3 TIES @ 6" O.C. FOR SPANS UP TO 7'-4"

CONCRETE

1. THE CONCRETE PORTIONS OF THE STRUCTURE ARE DESIGNED ACCORDING TO THE LATEST ULTIMATE STRENGTH DESIGN PROVISIONS OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY (ACI 318) INCLUDING SECTIONS 1902 THRU 1907 OF CHAPTER 19 IN THE MICHIGAN BUILDING CODE. CONCRETE COMPONENTS HAVE BEEN DESIGNED ACCORDING TO THE PROVISIONS FOR SEISMIC DESIGN CATEGORY .

2. ALL CONCRETE SHALL BE NORMAL WEIGHT (150 PCF), EXCEPT SUPPORTED SLABS WHICH SHALL BE LIGHT WEIGHT (110 PCF), MINIMUM CONCRETE STRENGTH SHALL BE f'c = 3000 PSI MIN. AT 28 DAYS, UNLESS NOTED OTHERWISE; SUPPORTED SLABS AND SLABS ON GRADE SHALL BE f'c = 3500 PSI MIN. UNLESS NOTED OTHERWISE. PROVIDE f'C = 4000 PSI WITH 6% ± 1% ENTRAINED AIR WHERE CONCRETE IS EXPOSED TO EXTERIOR ATMOSPHERE OR WEATHER.

3. ALL CONCRETE SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C150. AGGREGATE SHALL CONFORM TO ASTM C33.

4. CONCRETE ADMIXTURES SHALL BE USED TO FACILITATE CONCRETE PLACEMENT, AID DIFFICULT PLACING CONDITIONS OR ASSIST IN ATTAINING SPECIFIED CONCRETE QUALITIES. ADMIXES SHALL HAVE LESS THAN 0.05% CHLORIDE IONS.

   - AIR ENTRAINMENT PER ASTM C260
   - WATER REDUCER PER ASTM C494, TYPE A
   - WATER REDUCER/ACCELERATOR PER ASTM C494, TYPE C OR E
   - WATER REDUCER/RETARDER PER ASTM C494, TYPE B OR D
   - SUPERPLASTICIZER PER ASTM C494, TYPE F OR G

5. CONCRETE MIXES SHALL BE PROPORTIONED PER SECTION 3.9 OF ACI-301. CERTIFIED HISTORICAL TEST DATA SHALL SERVE AS A BASIS FOR EACH MIX DESIGN. DEVIATIONS SHALL BE SUBSTANTIATED WITH ADDITIONAL CERTIFIED TRIAL MIX TESTING AND RESULTS. SUBMIT MIX DESIGN HISTORICAL TEST DATA OR TRIAL MIX RESULTS FOR APPROVAL PRIOR TO PROCEEDING WITH THE WORK. WHERE HISTORICAL TEST DATA IS NON-EXISTENT THE FOLLOWING GUIDELINES SHALL APPLY:

TYPE	COMPRESSIVE STRENGTH, Fc (28 DAY, PSI)	CEMENT CONTENT (LBS./C.Y.)	WATER/CEMENT RATIO (BY WEIGHT)	(SLUMP)
STANDARD, NORMAL WT,	3000 MIN,	470 MIN,	0.52 MIN.	4" MAX.
STANDARD, NORMAL WT,	3500 MIN,	517 MIN,	0.50 MAX.	4" MAX.
STANDARD, LIGHT WT.	3500 MIN,	564 MIN,	0.44 MAX.	SEE SPEC.
AIR ENTRAINED, NORM. WT.	4000 MIN,	564 MIN,	0.40 MAX.	4" MAX.

6. ALL CONCRETE WORK AND PLACEMENT SHALL CONFORM TO THE LATEST ACI STANDARDS AND RECOMENDATIONS. FREE FALL SHALL NOT EXCEED 10 FEET FOR ALL CONCRETE CONTAINING HIGH-RANGE WATER REDUCER (SUPERPLASTICIZER) AND 5 FEET FOR ALL OTHER CONCRETE. PROVIDE ELEPHANT TRUNK, TREMIES OR OTHER PLACING EQUIPMENT OR OPENINGS IN SIDES OF FORMS AS REQUIRED TO LIMIT FREE FALL.

7. ALL REINFORCING BARS, DOWELS AND TIES SHALL CONFORM TO ASTM A615, GRADE 60. ALL REINFORCING STEEL SHALL BE CONTINUOUS AND SHALL 36 BAR DIAMETER LAP MINIMUM. ALL SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH ACI 315 AND ACI 318, LATEST EDITION. HOOK ALL BEAM BARS AT DISCONTINUOUS ENDS.

8. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 FURNISHED IN FLAT MATS OR SHEETS, NOT IN ROLLS. PROVIDE MINIMUM 6" LAP BETWEEN SHEETS. ALL SLAB REINFORCING SHALL BE SUPPORTED ON CHAIRS.

DESIGN DATA

1. SEISMIC = PER ASCE 7-16 WITH Sd1 = 0.079, Sd1 = 0.065, SDc = A

PLAN DATE: MARCH 2024
PROJECT MGR: DAS
REVIEWER: DER
SCALE: NOT TO SCALE

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PREPARED FOR
VILLAGE OF PORT SANILAC
WATER SYSTEM IMPROVEMENTS
PROPOSED BOOSTER PUMP STATION
STRUCTURAL SPECIFICATION SHEET

TRIUMPH
Triumph Engineering & Design, Inc.
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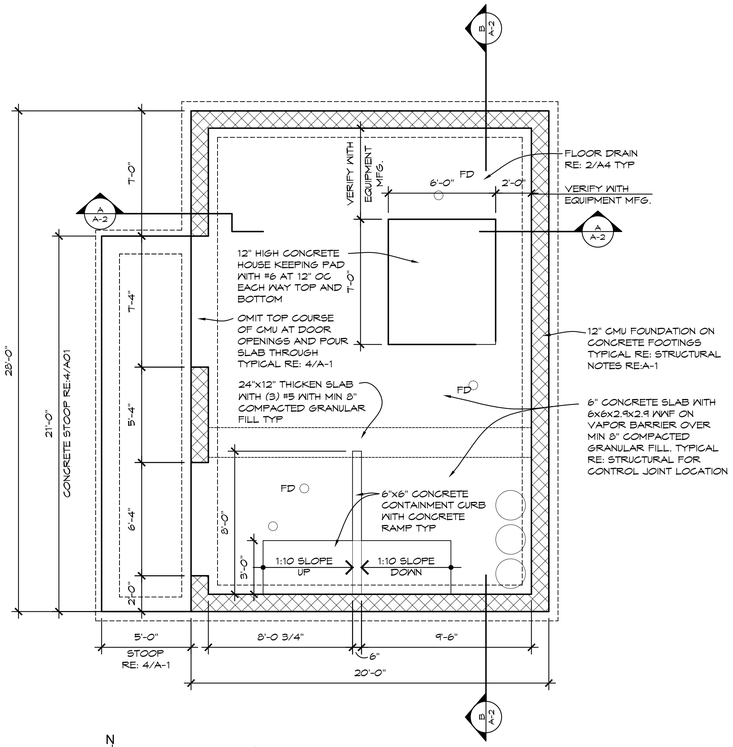
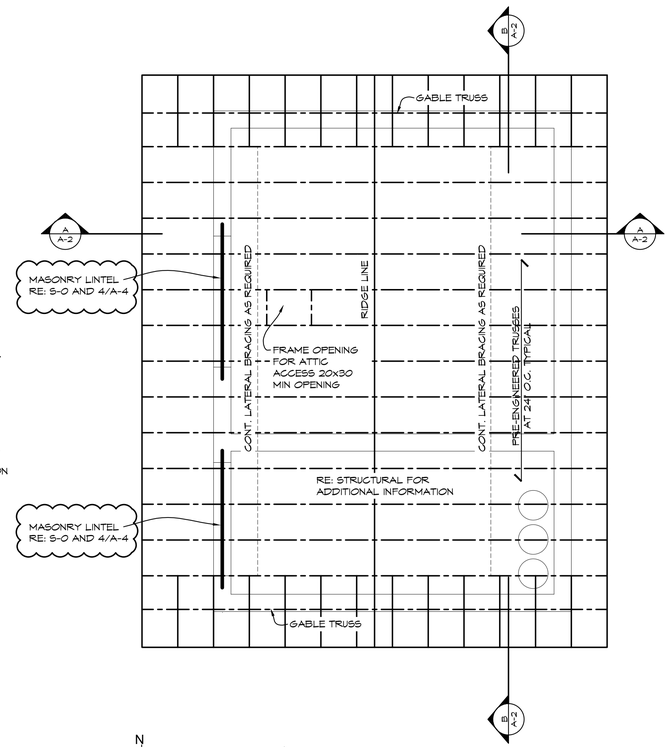
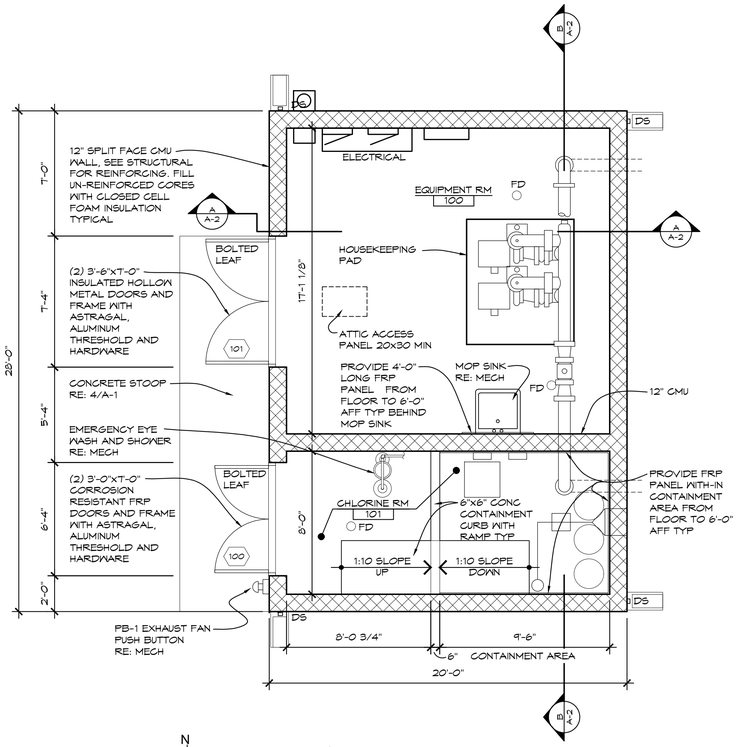
PLAN SUBMITTALS AND CHANGES
PRELIMINARY PLANS – **NOT FOR CONSTRUCTION**

DATE	DESCRIPTION
3-15-24	BIDDING DOCUMENTS
4-19-24	ADDENDUM #2

REV:
S-0
JOB No: 20C0018







N

1 FOUNDATION PLAN

1/4" = 1'-0" | X01

N

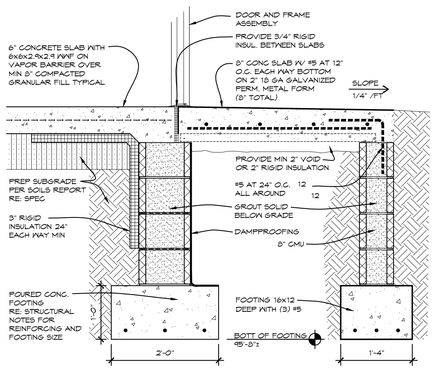
2 FRAMING PLAN

1/4" = 1'-0" | X01

N

3 FLOOR PLAN

1/4" = 1'-0" | X01



4 STOOP SECTION

3/4" = 1'-0" | STPDET01

STRUCTURAL NOTES

EXTERIOR WALL	12" CMU WITH #4 AT 40" OC AND W1.7X17 AT 16" OC HORIZONTAL REINFORCEMENT. #5 BAR AT AROUND OPENINGS/ GROUTED
INTERIOR WALLS	12" CMU WITH #4 AT 48" OC AND W1.7X17 AT 32" OC HORIZONTAL REINFORCEMENT. #5 BAR AT AROUND OPENINGS/ GROUTED
LINTELS	(2) COURSE MASONRY LINTEL RE: 4/A-4
FOUNDATION EXTERIOR	24x12 DEEP WITH (3) #5 LONG AND #5 AT 12" OC TRANSVERSE
FOUNDATION INTERIOR	24x12 DEEP WITH (3) #5

DESIGN LOADS :MBC 2015; ASCE7-10

ROOF DEAD LOAD = 20 PSF
GROUND SNOW LOAD = 30 PSF
WIND = PER ASCE 7-10 WITH BASIC WIND SPEED = 115 MPH
SEISMIC = PER ASCE 7-16 WITH Sds = 0.079, Sd1 = 0.065
SITE CLASS = D

GENERAL NOTES

1. THE DRAWINGS ARE INTENDED TO SHOW DESIGN, GENERAL ARRANGEMENT AND EXTENT OF THE WORK AND ARE PARTLY DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE SCALED OR USED FOR ROUGH-IN MEASUREMENTS, NOT TO BE USED AS SHOP DRAWINGS. INADVERTENT DISCREPANCIES OR THE OMISSION OF NOTES OR DETAILS ON ANY DRAWING BUT GIVEN ON ANOTHER DRAWING SHALL NOT BE CAUSE FOR ADDITIONAL CHARGE OR CLAIM.
2. NOTES IN THE SPECIFICATIONS AND NOT SHOWN ON THE DRAWINGS, OR SHOWN ON THE DRAWINGS AND NOT NOTED IN THE SPECIFICATIONS, IS OF LIKE EFFECT - AS IF SHOWN OR NOTED ON BOTH
3. IN CASES OF INCONSISTENCY, THE BETTER QUALITY OR GREATER QUANTITY SHALL BE PROVIDED
4. FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY DESIGN PROFESSIONAL AND OWNER OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY BRACING AND/OR SHORING REQUIRED TO MAINTAIN THE INTEGRITY AND STRUCTURAL STABILITY OF THE BUILDING AND ITS ELEMENTS DURING CONSTRUCTION.
6. CONTRACTOR SHALL PREVENT DAMAGE BY WEATHERPROOFING ALL OPENINGS. PROVIDE TEMPORARY PROTECTION FOR ALL COMPONENTS OF THE NEW BUILDING DURING CONSTRUCTION.
7. REPAIR ANY DISTURBED LANDSCAPING AND LAWN SURFACES DUE TO CONSTRUCTION TRAFFIC.
8. FINISH FLOOR ELEVATION = 100'-0" = 639.5'
9. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR ENGINEERED FILL COMPACTED TO 95% MODIFIED PROCTER. ASSUMED BEARING CAPACITY 3000 PSF VERIFY IN FIELD.
10. GEOTECHNICAL/ SOILES REPORT RE: SPECIFICATIONS MANUAL
11. ALL EXTERIOR FOOTINGS TO HAVE BOTTOM OF FOOTING AT 95"-8" UNLESS NOTED OTHERWISE
12. ALL SLABS ON GRADE SHALL BE PLACED ON SAND FILL COMPACTED TO 95% MODIFIED PROCTOR AND SHALL BE REINFORCED WITH WOVEN WIRE FABRIC
13. PROVIDE 3" RIGID INSULATION AT PERIMETER OF FLOOR SLAB. SEE WALL SECTIONS
14. TOP OF FOUNDATION WALLS TO STOP 8" BELOW FINISH FLOOR AT ALL DOOR OPENINGS
15. ALL REINFORCING BARS, UNLESS NOTED OTHERWISE SHALL BE CONTINUOUS, RUN CONTINUOUSLY AROUND CORNERS, BE LAPPED AT SPLICES AND BE HOOKED AT DISCONTINUOUS ENDS
16. PROVIDE CONTROL JOINTS AND CONSTRUCTION JOINTS IN CONCRETE FLOOR SLABS RE: STRUCTURAL
17. COORDINATE ALL WORK WITH MECHANICAL AND ELECTRICAL DRAWINGS AND TRADES. VERIFY EXACT SIZE AND LOCATION OF ALL COMPONENTS THAT INTERFERE WITH WALLS, FLOORS, AND ROOFS.
18. ALL DIMENSIONS ARE TO FACE OF MASONRY OR CENTERLINE OF UNLESS NOTED OTHERWISE
19. FIT WORK TIGHT TO ADJACENT ELEMENTS. MAINTAIN INTEGRITY OF WALL, CEILING, OR FLOOR CONSTRUCTION, COMPLETELY SEAL VOIDS.

LEGEND

FD FLOOR DRAIN RE: 2/A-4 TYP

DS DOWNSPOUT WITH SPLASH BLOCK

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www.H2Aarchitects.net

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PLAN SUBMITTALS AND CHANGES

PRELIMINARY PLANS – **NOT FOR CONSTRUCTION**

DATE	DESCRIPTION
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4-19-24	ADDENDUM #2

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www.rowepsc.com

PLAN DATE: MARCH 2024
PROJECT MGR: DAS
REVIEWER: DER
SCALE: AS NOTED

PREPARED FOR

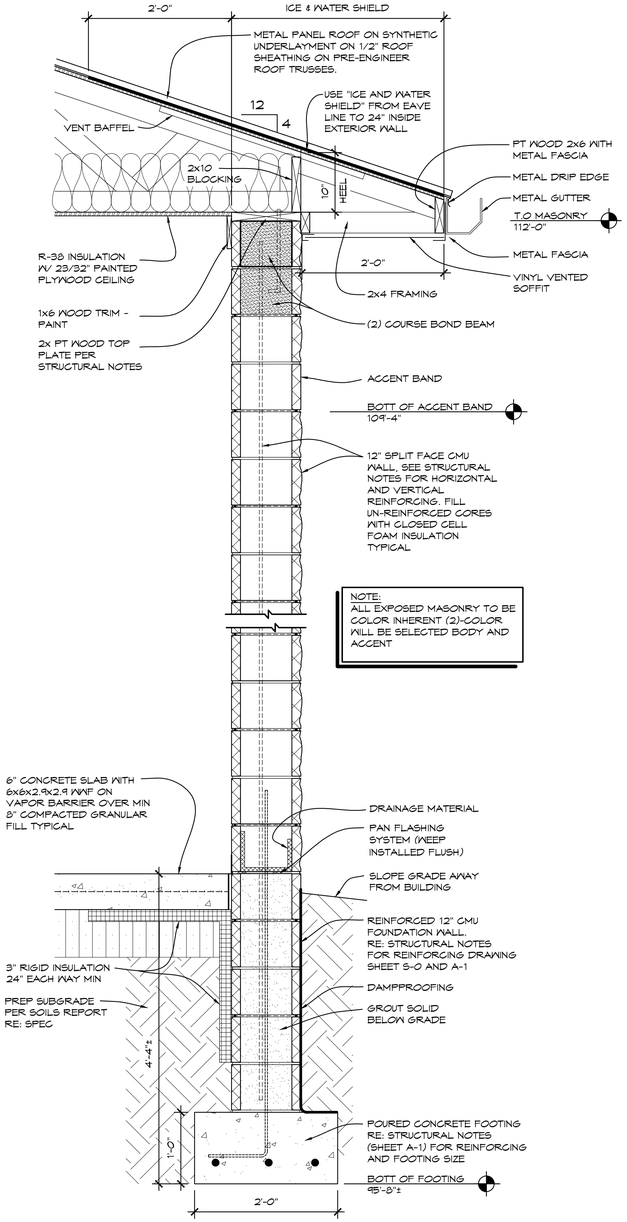
VILLAGE OF PORT SANILAC
WATER SYSTEM IMPROVEMENTS
PROPOSED BOOSTER PUMP STATION
FOUNDATION PLAN, FRAMING PLAN & FLOOR PLAN

REV:

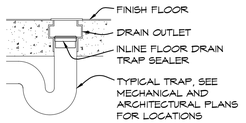
A-1

JOB No: 20C0018

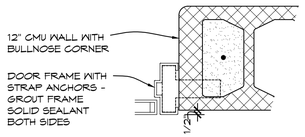
PLOTTED: 4/18/2024 8:55 AM Z:\Projects\Water\Services\20-420 Port Sanilac Booster Station\CAD\A101.dwg



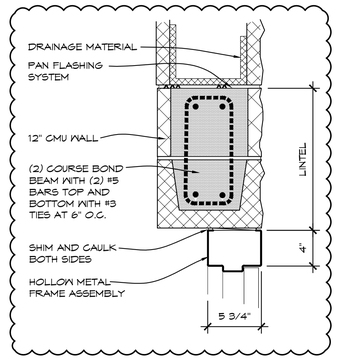
1 | WALL SECTION
1" = 1'-0" | FLRDET01



2 | FLOOR DRAIN DETAIL
1 1/2" = 1'-0" | FLRDET01



3 | DOOR JAMB DETAIL
1 1/2" = 1'-0" | HMDRDET01



4 | DOOR HEAD DETAIL
1 1/2" = 1'-0" | HMDRDET02

ROOM FINISH SCHEDULE

ROOM NO.	ROOM TITLE	FLOOR MATERIAL	BASE MATERIAL	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING MATERIAL	CEILING HEIGHT	ACCESSORIES	NOTES
100	EQUIPMENT ROOM	F01	B01	N01	N01	N01	N01	C01	12'-1"+/-		N01
101	CHLORINE ROOM	F02	B01	N01 N02	N01 N02	N01 N02	N01	C01	12'-1"+/-		N01

FLOORING
F01 SEALED CONCRETE

F02 CONCRETE - CHEMICAL RESISTANT COATING

BASE
B01 NONE

WALLS
N01 CMU - PAINT

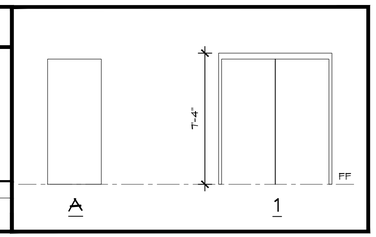
N02 FRP PANEL 6'-0" AFF (CONTAINMENT AREA ONLY)

CEILING
C01 PLYWOOD - PAINT

NOTES
N01 WOOD TRIM AT CEILING - PAINT

DOOR AND FRAME SCHEDULE

DOOR NO.	DOOR SIZE	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	FRAME MATERIAL	FRAME HEAD	FRAME JAMB	FIRE RATING (IN MINUTES)	HARDWARE	NOTES
100	(2) 3'-0"xT-0"	A	FRP	1	FRP	4/A-4	3/A-4	---	HW-1	WITH ASTRAGAL
101	(2) 3'-6"xT-0"	A	HM	1	HM	4/A-4 SIM	3/A-4 SIM	---	HW-1	PAINT DOOR & FRAME WITH ASTRAGAL



HARDWARE SPECIFICATIONS

PART 1 - PRODUCTS
1.1 MANUFACTURERS:
A. THE FOLLOWING MANUFACTURERS ARE APPROVED SUBJECT TO COMPLIANCE WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS. APPROVAL OF MANUFACTURERS OTHER THAN THOSE LISTED SHALL BE IN ACCORDANCE WITH DIVISION 1.

ITEM: MANUFACTURER: APPROVED:
CONTINUOUS HINGES: STANLEY: SELECT, ABH
LOCKSETS: DORMA: SCHLAGE L SERIES, SARGENT 8200 SERIES
CYLINDERS:DORMA:
EXIT DEVICES: DORMA: PRECISION2000,VON DUPRIN98XP, SARGENT 8000 SERIES W/GL, 19, 43
CLOSERS: DORMA: 8900 LCN 404XP, STANLEY CLD-4550, SARGENT 251
PROTECTION PLATES: TRIMCO: BURNS, DONJO
FLUSH BOLTS: TRIMCO: ABH, DCI
THRESHOLD & GASKETING: NATIONAL GUARD: REESE, K.N. CROWDER

CODENAME
BY BY OTHERS
DM DORMA DOOR CONTROLS
NA NATIONAL GUARD
ST STANLEY
TR TRIMCO

REQUIRED OPTION LIST

CODE DESCRIPTION
FC FULL PLASTIC COVER
B4E BEVELED 4 EDGES - KICK PLATES
CSK COUNTER SINK KICK AND MOP PLATES
MKD MASTER KEYED (SGL)
1/4-20-2" COMBO 1/4-20 X COMBO MS/ANCHOR (SS)

FINISH LIST

CODE DESCRIPTION
AL ALUMINUM
626 SATIN CHROMIUM PLATED
630 SATIN STAINLESS STEEL
689 ALUMINUM PAINTED

HARDWARE SET

SET #1 - PR. EXT.

DOORS: 100, 101

2	CONTINUOUS HINGE	662HD UL 83"	AL	ST
1	FLUSH BOLT	3900	626	TR
1	LOCKSET	M9973C LAA 5006-078	630	DM
2	CLOSER	8916 SPAT FC	689	DM
1	ASTRAGAL	BY DOOR MFG		BY
2	BRUSH SWEEP W/DRIP	C627 A FATT 36"		NA
1	WEATHERSTRIP	700 SA FATT 1 X 72" 2 X 84"		NA
1	SADDLE THRESHOLD	425 HD 72" 1/4-20-2" COMBO	AL	NA

H2A architects
9100 Lapeer Rd Suite B.
Davison, Michigan 48423
(810) 412-5640
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811 Know what's **below.** Call before you dig.

PLAN SUBMITTALS AND CHANGES
PRELIMINARY PLANS – **NOT FOR CONSTRUCTION**

DATE	DESCRIPTION
3-15-24	BIDDING DOCUMENTS
4-19-24	ADDENDUM #2

PLAN DATE: MARCH 2024
PROJECT MGR: DAS
REVIEWER: DER
SCALE: AS NOTED

ROWE PROFESSIONAL SERVICES COMPANY
The Rowe Building
540 S. Saginaw St., Suite 200
Flint, MI 48502
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PROPOSED BOOSTER PUMP STATION
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PLOTTED: 4/19/2024 8:56 AM

REV:
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