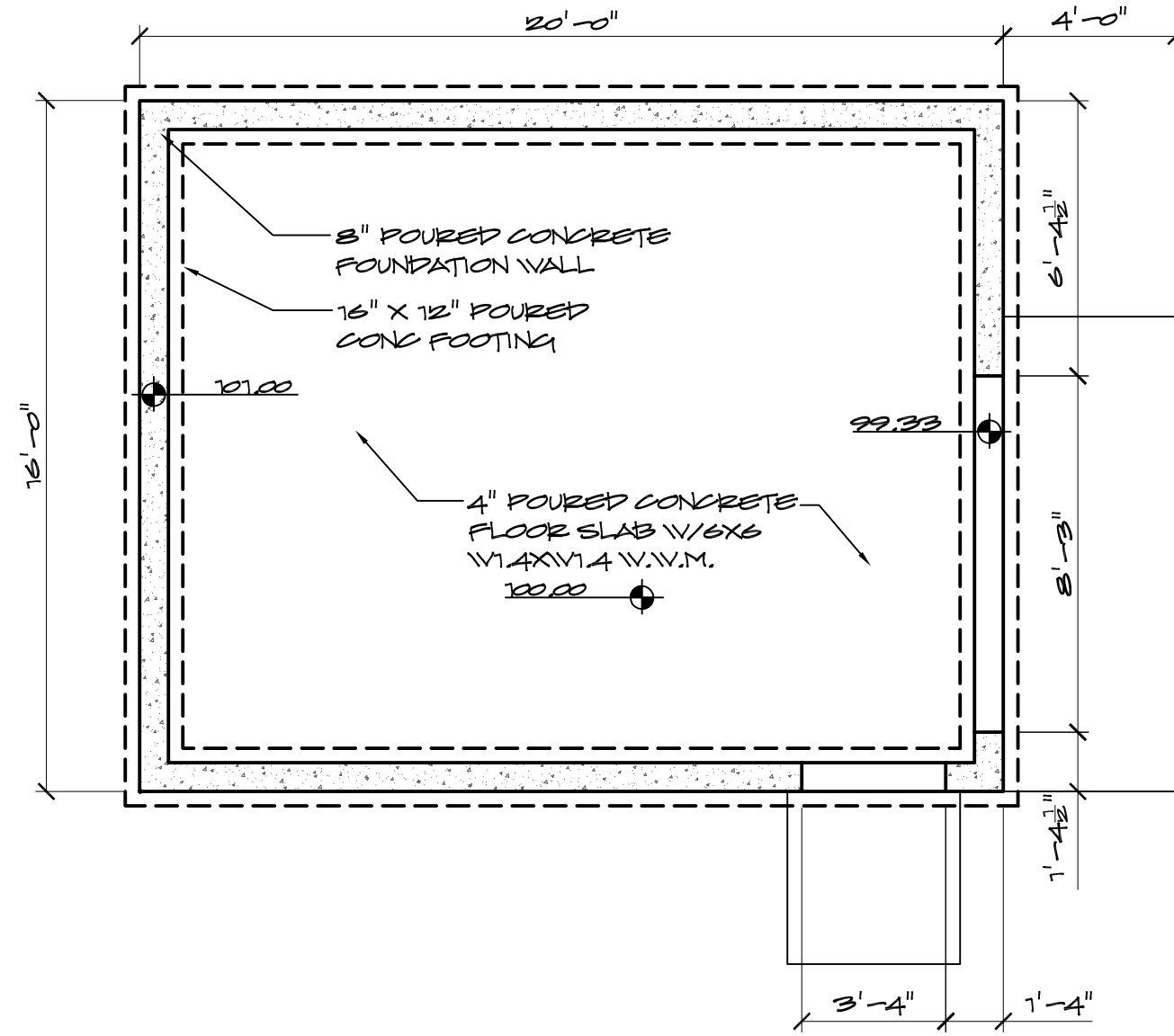


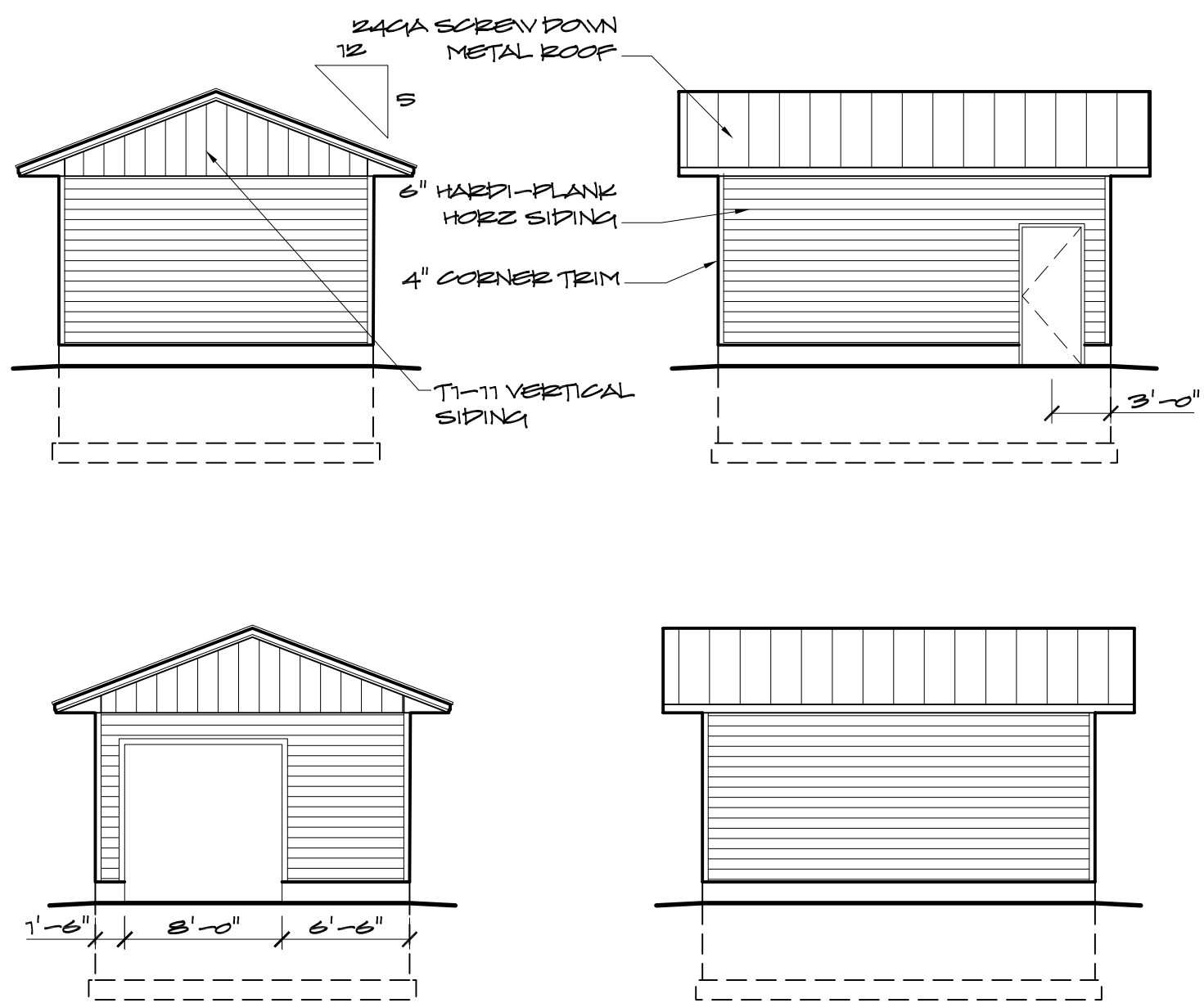
5 FLOOR PLAN

SCALE: 1/4"=1'-0"



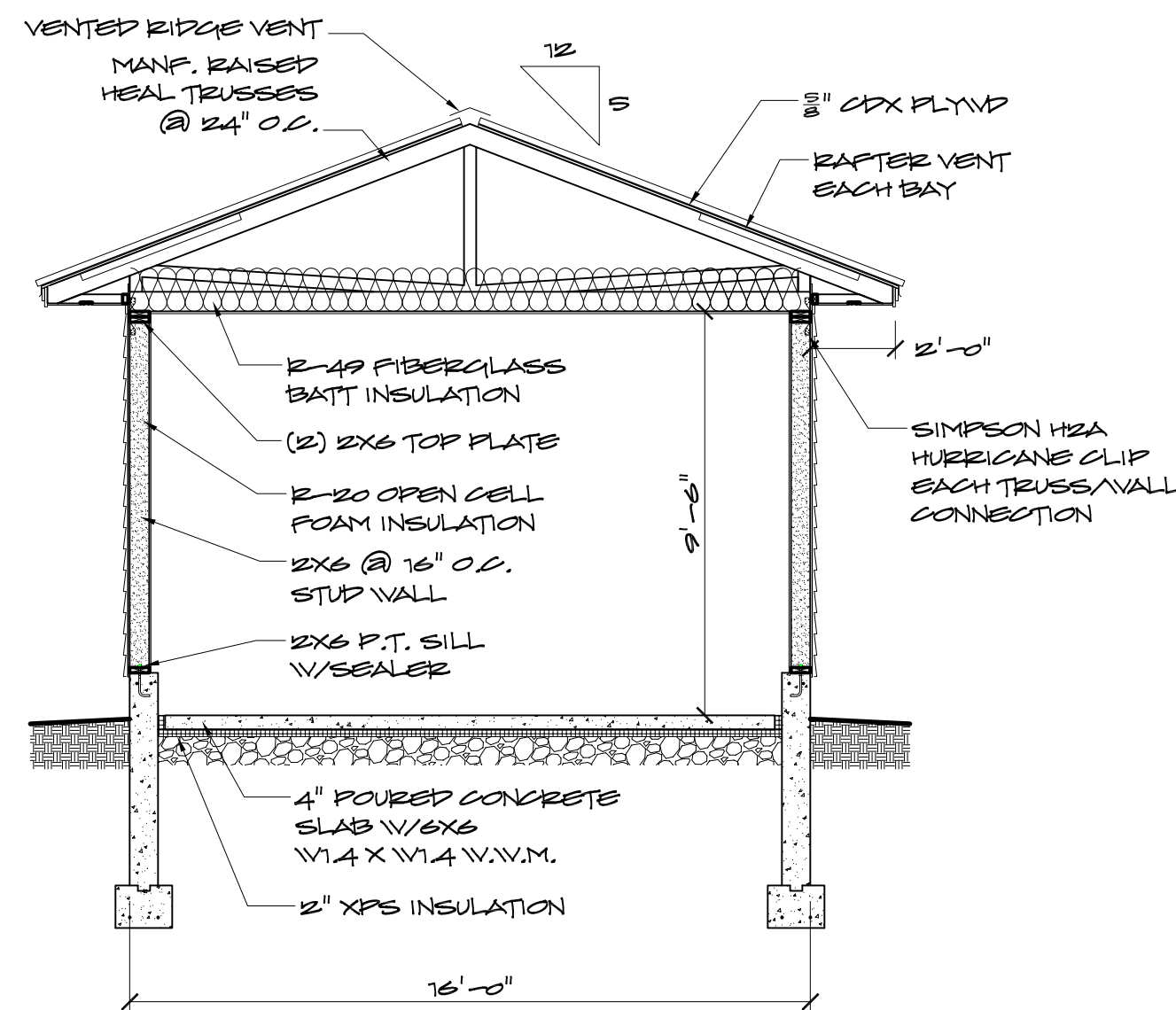
7 FOUNDATION PLAN

SCALE: 1/4"=1'-0"



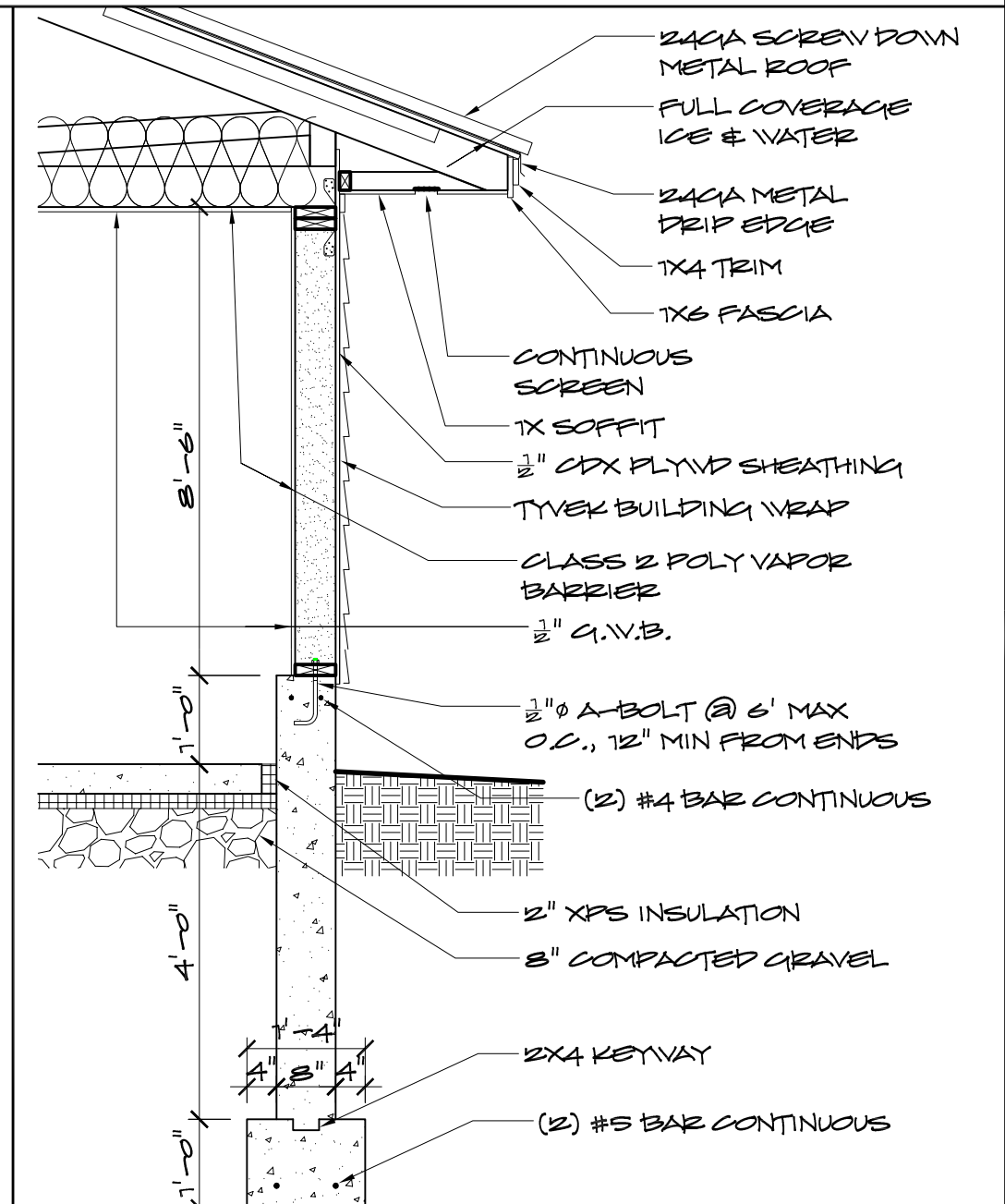
9 ELEVATIONS

SCALE: 1/8"=1'-0"



11 CROSS SECTION

SCALE: 1/4"=1'-0"



12 WALL SECTION

SCALE: 1/2"=1'-0"

DATE	REVISION	DESCRIPTION


**Metcalfe Associates** ARCHITECTURE  
 142 MAIN STREET  
 NORTHAMPTON, MASSACHUSETTS  
 413 586 5775 & 695 8200  
 twm3@metcalfe-architecture.com

PROJECT **BUILDING PLANS**  
**PUMP STATION BUILDING**  
 FOR  
**WHATELY WATER DEPT.**  
 ADDRESS  
 WHATELY, MASSACHUSETTS

DRAWN JRH	JOB NUMBER
CHECKED	SHEET 1
DATE 05/17/21	<b>A1</b>
SCALE NOTED	
OF 2 SHEETS	

**FOUNDATION NOTES:**

SOIL BEARING CAPACITY IS ASSUMED TO BE 2000 LBS PER SQUARE FOOT.

CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 P.S.I. FOR THE FROST WALLS, BASEMENT WALLS AND FLOOR AND 3500 P.S.I. FOR THE EXTERIOR STEPS, PORCH SLABS, AND GARAGE FLOOR.

CONCRETE SHALL BE AIR ENTRAINED A MINIMUM OF 5% AND A MAXIMUM OF 7%.

CONCRETE SUBJECT TO FREEZING AND THAWING WHERE DEICING CHEMICALS ARE USED SHALL USE A CEMENT RATIO OF 520 LBS OF CEMENT PER C.Y. OF CONCRETE.

PROVIDE DAMP PROOFING ACCORDING TO 780 CMR 5406 OF THE MASSACHUSETTS STATE BUILDING CODE.

VAPOR BARRIER USED UNDER THE SLABS ON GRADE SHALL BE INSTALLED BETWEEN THE 6" COMPACTED GRAVEL AND THE CONCRETE SLAB AND SHALL BE LAPPED A MINIMUM OF 6" AT THE JOINTS.

NO CONCRETE SHALL BE PLACED ON WATER OR ON FROZEN MATERIAL.

PROVIDE PROPER CONCRETE PROTECTION ON COLD WEATHER AND MAINTAIN PROPER CURING PROCEDURES IN ACCORDANCE WITH ACI.

FOOTINGS SHALL BE PROTECTED FROM FROST UNTIL BACKFILLING IS COMPLETE.

ALL BASEMENTS AND CRAWL SPACES ARE TO BE DRY.

ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL.

ALL FOUNDATION WALLS SHALL BE PROPERLY BRACED DURING BACKFILLING AND COMPACTING OPERATIONS.

TOP OF FOUNDATION WALL SHALL BE TROVELED TO A SMOOTH DENSE FINISH.

**FRAMING NOTES:**

ALL JOISTS, RAFTERS, BEAMS, AND POSTS SHALL BE NO. 2 GRADE DOUGL FIR OR BETTER.

UNTREATED BEAMS BEARING IN CONCRETE OR MASONRY SHALL HAVE AN AIR SPACE ON SIDES AND ENDS. BEAMS SHALL HAVE A MINIMUM BEARING LENGTH OF 4"

MINIMUM SIZE HEADER SHALL BE (2) 2X10 EXTENDED MINIMUM 1 1/2" ON BOTH SIDES OF THE OPENING.

JOISTS, RAFTERS, BEAMS, AND POSTS SHALL BE DESIGNED WITH THE FOLLOWING LOADS:

- A. ROOF 50# SL 10# DL
- B. FLOOR LOADS 40# LL 10# DL

TWO INCH CLEARANCE IS REQUIRED BETWEEN COMBUSTIBLE MATERIALS AND THE WALLS OF A FIREPLACE OR CHIMNEY.

METAL HURRICANE CLIPS SHALL BE USED WITH MANUFACTURED TRUSSES.

MANUFACTURED TRUSSES SHALL BE DESIGNED AND A STAMPED DRAWING OF THE TRUSS(ES) SHALL BE PROVIDED BY THE TRUSS MANUFACTURER.

FRAMING IN WATER SPLASH AREAS SHALL BE PROTECTED WITH WATER RESISTANT GYPSUM BOARD OR APPROVED EQUAL.

BUILDING PAPER SHALL BE USED UNDER SIDING.

CHANGES IN CONSTRUCTION ("OR EQUAL") REQUIRING ADDITIONAL COSTS SHALL HAVE CHANGES ORDERS SIGNED BY THE OWNER.

ALL NECESSARY FIRE STOPPING SHALL BE PROVIDED.

STAPLE OR OTHERWISE AFFIX RAFTER VENTS, WHEN USED, SECURELY TO THE UNDERSIDE OF THE ROOF DECKING. TAKE CARE NOT TO CRUSH THE VENT WHEN INSTALLING THE INSULATION.

CONSTRUCTION METHODS, MEANS, TECHNIQUES, PROCEDURES, SAFETY, PRECAUTIONS, AND/OR PROGRAMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

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PROJECT  
**NOTES**  
 PUMP STATION BUILDING  
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 ADDRESS  
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DRAWN JRH	JOB NUMBER
CHECKED	SHEET 2
DATE 05/17/21	<b>A2</b>
SCALE NONE	
	OF 2 SHEETS