

CARRIAGE HILL METROPARK RENOVATE WINDMILL - ARNOLD HISTORICAL FARM -

8111 EAST SHULL ROAD
HUBER HEIGHTS, OHIO 45424

KEYED NOTES - DEMOLITION & PROPOSED FLOOR PLANS:

- 1 EXISTING CONCRETE PIER FOOTINGS TO REMAIN.
- 2 EXISTING PERIMETER STONE FOUNDATION TO REMAIN.
- 3 EXISTING WOOD SILL PLATE (4 1/4" X 4 1/4") TO REMAIN.
- 4 EXISTING VERTICAL AND HORIZONTAL WOOD FRAMING (1 3/4" X 4") TO REMAIN.
- 5 EXISTING WOOD CORNER POSTS (4" X 4") AND BLOCKING (3" X 3") TO REMAIN.
- 6 EXISTING STEEL ANGLE WINDMILL RIGID FRAMEWORK TO REMAIN.
- 7 EXISTING STONE STEP TO REMAIN.
- 8 CAREFULLY REMOVE HINGED DOOR AND HARDWARE. SAFELY STORE FOR REINSTALLATION.
- 9 CAREFULLY REMOVE HINGED GATE AND HARDWARE. SAFELY STORE FOR REINSTALLATION.
- 10 REMOVE "ALL" HORIZONTAL DUTCH LAP WOOD SIDING AND CORNER TRIM.
- 11 REMOVE WOOD SILL, JAMB, AND HEAD FRAMING.
- 12 REMOVE ENTIRE EXISTING WOOD LADDER AND ATTACHMENT HARDWARE.
- 13 FASTEN 2" X 6" FRAMING TO EXISTING VERTICAL AND HORIZONTAL WOOD FRAMING AND CORNER POSTS. REFER TO DETAILS FOR ADDITIONAL INFORMATION (TYPICAL).
- 14 FASTEN PRESERVATIVE TREATED 2" X 6" HORIZONTAL RAIL TO OUTSIDE SURFACE OF EXISTING SILL PLATE ON NORTH, SOUTH, AND WEST SIDES WITH 3/8" DIAMETER CARRIAGE BOLTS WITH WASHERS AND NUTS @ 16" CENTERS. REFER TO DETAILS FOR ADDITIONAL INFORMATION.
- 15 FASTEN PRESERVATIVE TREATED 2" X 6" HORIZONTAL RAIL TO BOTH INSIDE AND OUTSIDE SURFACE OF EXISTING SILL PLATE ON EAST SIDE ONLY WITH 3/8" DIAMETER CARRIAGE BOLTS WITH WASHERS AND NUTS @ 16" CENTERS.
- 16 INSTALL POLY-ASH 1" X 6" COVE/DUTCH LAP SIDING (PAINT) OVER 1/2" THICK OSB SHEATHING (TYPICAL). INSTALL 1" X 4" POLY-ASH TRIM AT CORNERS (PAINT). REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 17 INSTALL WHITE OAK SILL, JAMB, AND HEAD DOOR FRAMING (PRIME AND PAINT). REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 18 REINSTALL EXISTING HINGED DOOR AND HARDWARE. FASTEN WHITE OAK 1" X 4" HORIZONTAL RAIL TO OUTSIDE BASE OF DOOR (SCRAPE AND SAND EXISTING SURFACES - PRIME AND PAINT NEW AND EXISTING SURFACES).
- 19 REINSTALL EXISTING HINGED GATE AND HARDWARE.

SPECIFICATIONS:

GENERAL CONDITIONS:

- A REFER TO FIVE RIVERS METROPARKS STANDARD CONTRACT DOCUMENTS FOR ADDITIONAL CONTRACT REQUIREMENTS.
- B BUILDING PERMITS ARE NOT REQUIRED.
- C ALTERNATIVE MANUFACTURERS FOR SPECIFIED PRODUCTS MUST HAVE IDENTICAL AND/OR CLOSELY SIMILAR FEATURES AND PERFORMANCE CHARACTERISTICS TO THE PRODUCTS SPECIFIED. FIVE RIVERS METROPARKS RESERVES THE RIGHT TO REJECT ALTERNATIVE MANUFACTURERS IF THE FEATURES AND CHARACTERISTICS OF THE PROPOSED PRODUCTS ARE DEEMED TOO DISSIMILAR FROM THE SPECIFIED ITEMS. APPROVAL OF ALTERNATIVE PRODUCT MANUFACTURER'S MUST BE SECURED PRIOR TO BID SUBMISSION.
- D ALL MATERIALS ARE TO BE STORED, HANDLED, AND INSTALLED IN STRICT ACCORDANCE WITH INDUSTRY STANDARDS AND THE MANUFACTURER'S RECOMMENDATIONS FOR EACH SPECIFIC ITEM.
- E ALL CONTENTS OF THE WINDMILL INTERIOR ARE TO BE RELOCATED BY FIVE RIVERS METROPARKS PRIOR TO THE COMMENCEMENT OF DEMOLITION WORK. FIVE RIVERS METROPARKS WILL ALSO CLOSELY CUT THE GRASS AND PASTURE AROUND THE BUILDINGS TO FACILITATE EASIER COLLECTION OF DEBRIS.
- F PLACE TEMPORARY 4'-0" TALL PLASTIC SAFETY FENCE (ORANGE) AROUND PERIMETER OF WORK SITE AREA. SECURE WITH RIGID STEEL STAKES PLACED EVERY 5'-0" OR LESS. PLACE ONE SIGN (TOTAL OF 4) ON EACH SIDE OF FENCE STATING "CAUTION DO NOT ENTER".
- G DEMOLISH AND REMOVE EXISTING BUILDING MATERIALS AS NOTED IN THE PLANS AND ONLY TO THE EXTENT REQUIRED FOR NEW CONSTRUCTION.
- H TRANSPORT DEMOLISHED MATERIALS OFF SITE AND DISPOSE IN AN EPA-APPROVED LANDFILL.
- I AT THE COMPLETION OF THE WORK, THOROUGHLY CLEAN AND REMOVE DEBRIS FROM WINDMILL INTERIOR AND EXTERIOR WORKSITE, FOLLOWED BY RUNNING CONSTRUCTION SITE MAGNETIC SWEEPER IN ORDER TO PICK UP ALL LOOSE METAL FASTENERS (SCREWS AND NAILS).

METALS:

- A ALL FASTENERS USED TO SECURE EXTERIOR TRIM, SIDING, AND LUMBER COMPONENTS ARE TO BE MANUFACTURED FROM NON-CORROSIVE MATERIALS (STAINLESS STEEL, HOT DIPPED GALVANIZED, ETC.). REFER TO PLANS AND MISCELLANEOUS DETAILS FOR SPECIFIC INFORMATION.
- B ALL NAILING APPLICATIONS ARE TO COMPLY WITH ASTM F1667 AND THE FASTENING SCHEDULE OF THE OHIO BUILDING CODE.

WOOD AND PLASTICS:

- A ALL DIMENSIONAL LUMBER USED FOR HORIZONTAL AND VERTICAL WALL FRAMING SHALL BE #2 SPRUCE-PINE-FIR (SPF). ALL DIMENSIONAL LUMBER USED FOR HORIZONTAL FRAMING AT BASE OF WALL SHALL BE PRESERVATIVE TREATED #2 SOUTHERN YELLOW PINE (SYP).
- B DOOR FRAME MATERIAL (HEAD, JAMBS, AND SILL) AND LADDER MATERIAL (RUNGS AND SIDE RAILS) SHALL BE GREEN SAWN #2 OR BETTER WHITE OAK. ALL WHITE OAK LUMBER IS TO BE FREE OF DEFECTS THAT COULD ADVERSELY AFFECT THE STRUCTURAL INTEGRITY OF THE MATERIAL.
- C EXTERIOR WALL SHEATHING IS TO BE 1/2" THICK HUBER ENGINEERED WOODS OSB SHEATHING & TAPE ZIP SYSTEM. INSTALL MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S GUIDELINES UTILIZING ALL ACCESSORIES NECESSARY FOR A COMPLETE INSTALLATION. INTERIOR WALL SHEATHING IS TO BE 1/2" PRESERVATIVE TREATED PLYWOOD. LAYERS OF PLYWOOD ARE TO BE GLUED TOGETHER. EDGE JOINTS ARE TO BE STAGGERED (NOT ALIGNED) EXCEPT WHERE SECURED TO WOOD FRAMING.
- D POLY-ASH SIDING IS TO BE TRUE EXTERIOR 1" X 6" COVE/DUTCH LAP SIDING WITH FACTORY PRIMED FINISH. STORE, CUT, AND INSTALL SIDING IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- E MISCELLANEOUS TRIM MATERIAL ARE TO BE TRUE EXTERIOR TRIM WITH FACTORY PRIMED FINISH IN SIZES NOTED ON THE PLANS. STORE, CUT, AND INSTALL TRIM IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

THERMAL AND MOISTURE PROTECTION:

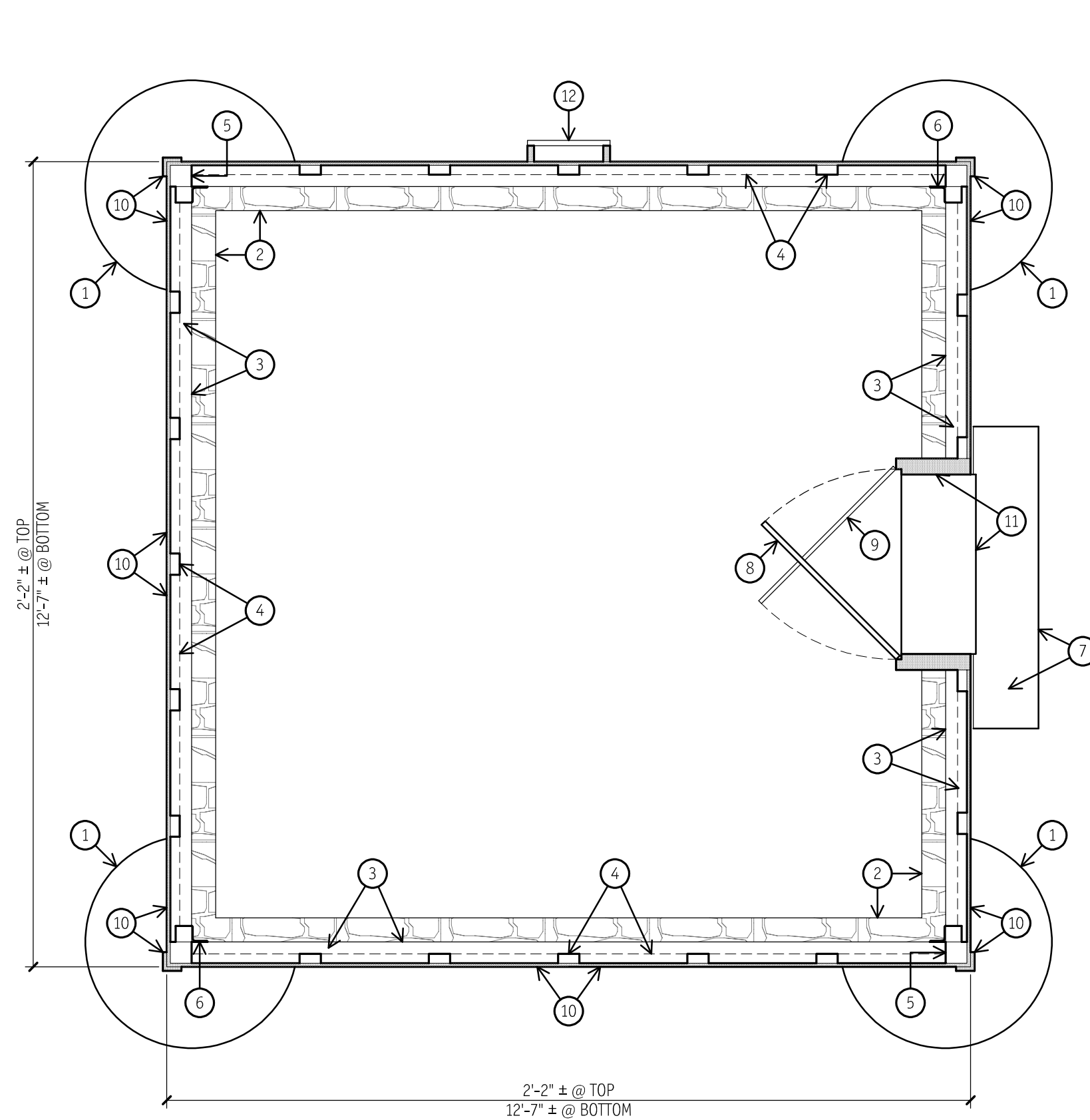
- A ALL SEALANT IS TO BE COMMERCIAL GRADE POLYURETHANE ADHESIVE SEALANT (DAP DYNAFLEX 230). WHERE NOT PAINTED, SEALANT COLOR IS TO MATCH THE COLOR OF THE SURFACE TO WHICH IT IS APPLIED.

WINDOWS:

- A FIXED WINDOW SASH TO BE CONSTRUCTED OF PINE OR DOUGLAS FIR TO MATCH THE APPROXIMATE SIZE AND CONFIGURATION OF THE EXISTING WINDOW SASH UTILIZING SINGLE PANE GLASS AND TRUE DIVIDED LITES.

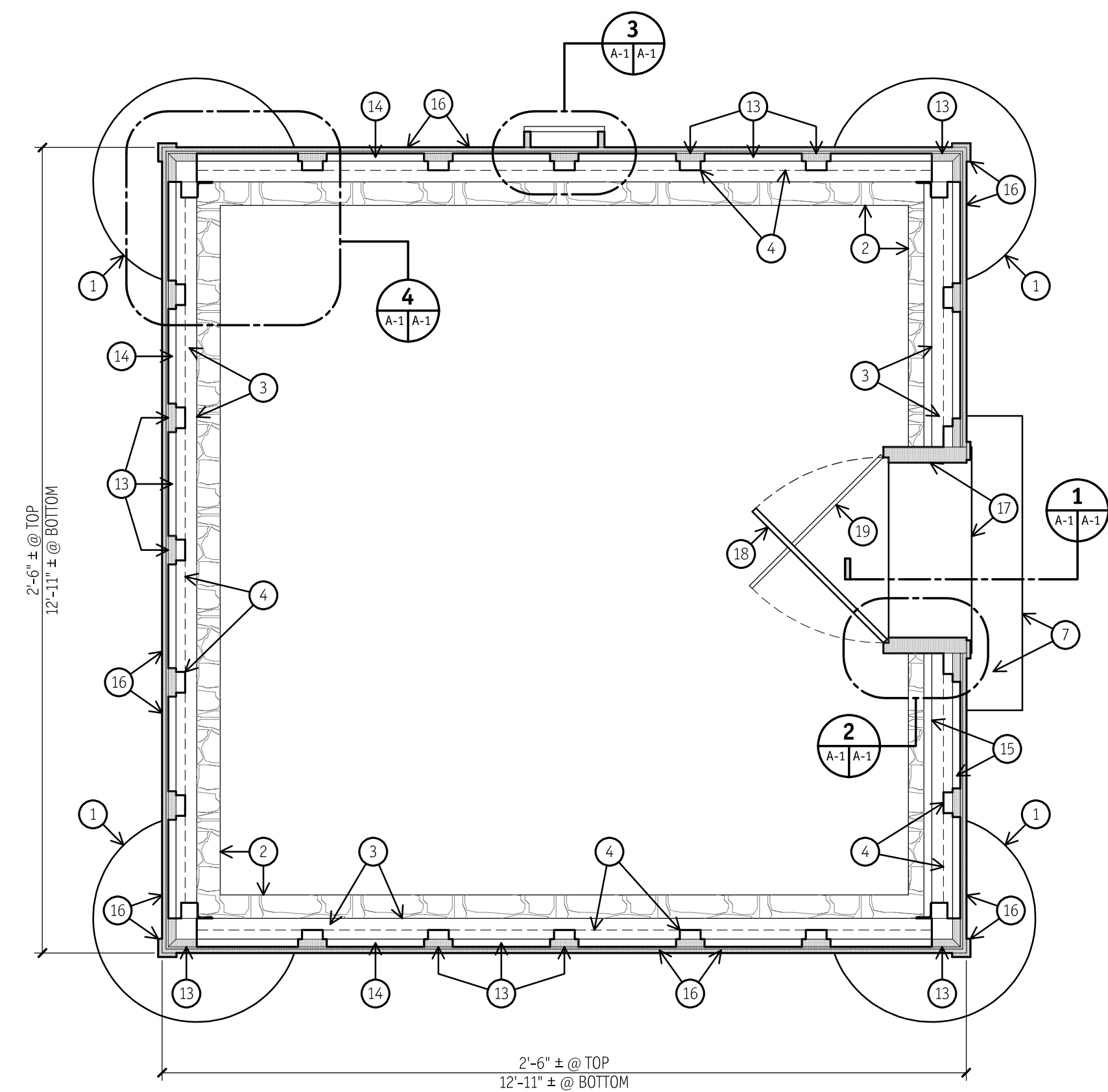
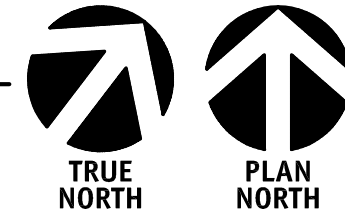
FINISHES:

- A THE EXPOSED SURFACES OF THE MATERIALS NOTED TO BE PAINTED ARE TO RECEIVE ONE COAT OF PRIMER FOLLOWED WITH TWO FINISH COATS OF PAINT (TOTAL OF THREE COATS) UTILIZING THE FOLLOWING MATERIALS AND METHODS. FACTORY PRIMED SURFACES DO NOT REQUIRE A FIELD APPLIED PRIMER COAT. COORDINATE/VERIFY PAINT COLOR AND SHEEN SELECTIONS WITH THE OWNER.
 - APPLY ONE FULL COAT OF OIL-BASED PRIMER TO ALL EXISTING AND/OR NEW SURFACES (SHERWIN WILLIAMS EXTERIOR OIL-BASED PRIMER), TINTED AS REQUIRED. ALLOW MINIMUM OF 24 HOURS DRYING TIME PRIOR TO FINISH PAINTING.
 - APPLY TWO FINISH COATS OF EXTERIOR ACRYLIC LATEX PAINT TO ALL EXISTING AND/OR NEW SURFACES (SHERWIN WILLIAMS EMERALD ACRYLIC LATEX PAINT). ALLOW MINIMUM OF 24 HOURS BETWEEN COATS. COLOR MATCH ORIGINAL PAINT COLOR.
 - APPLY PRIMER AND PAINT PRODUCTS WITH NATURAL BRISTLE BRUSH AND/OR SPRAYER ONLY TO DRY SURFACES. POSTPONE APPLICATION IF RAIN IS LIKELY WITHIN 6 TO 8 HOURS AFTER PRIMER OR PAINT IS APPLIED.
- B INSIDE SURFACE OF PRESERVATIVE TREATED PLYWOOD INTERIOR SHEATHING IS TO RECEIVE ONE COAT OF SOLID STAIN PRIOR TO INSTALLATION. COORDINATE STAIN MANUFACTURER AND COLOR WITH FIVE RIVERS METROPARKS.



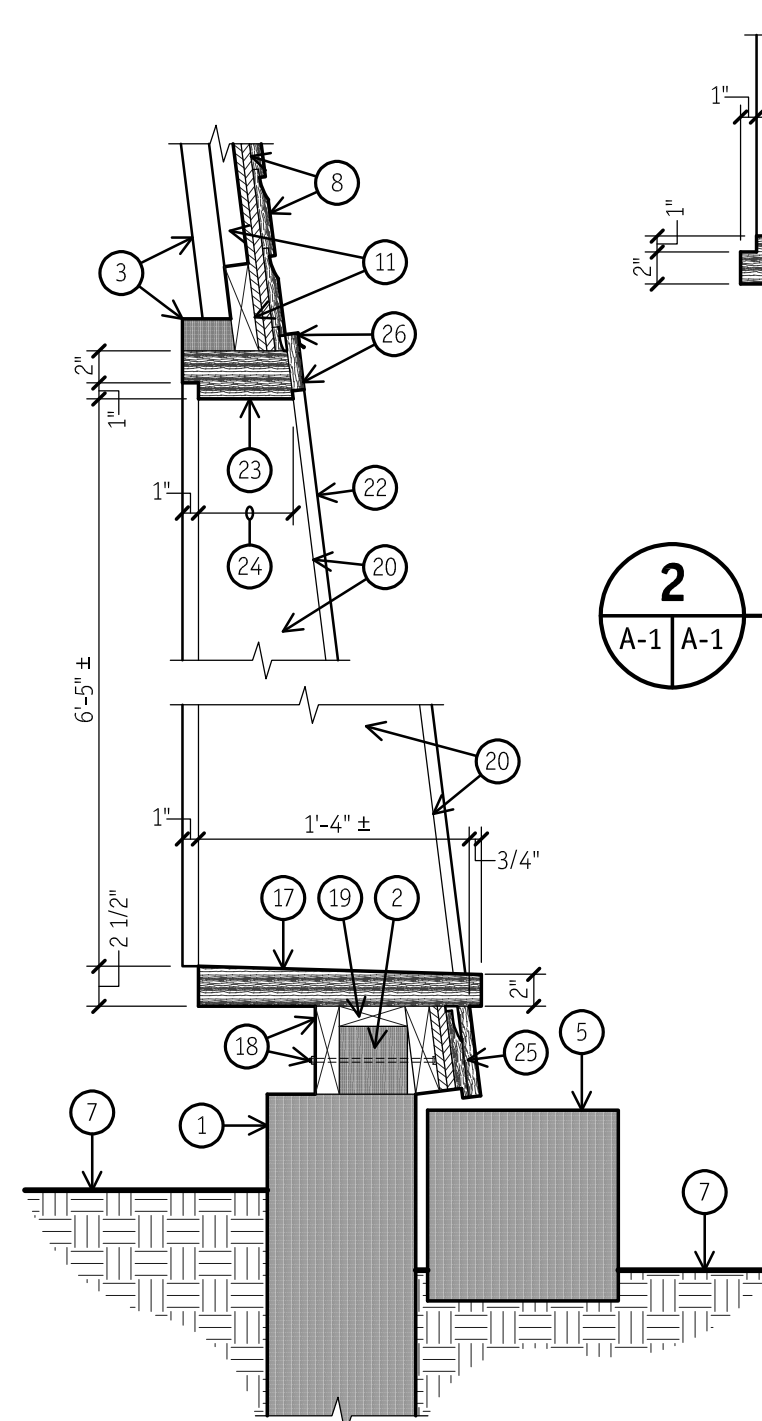
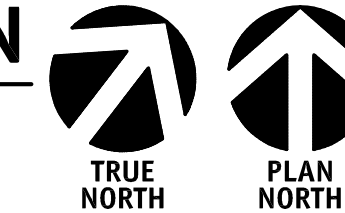
DEMOLITION FLOOR PLAN

SCALE: 1/2" = 1'-0"
0' 1.0' 2.0' 3.0' 4.0'
GRAPHIC SCALE



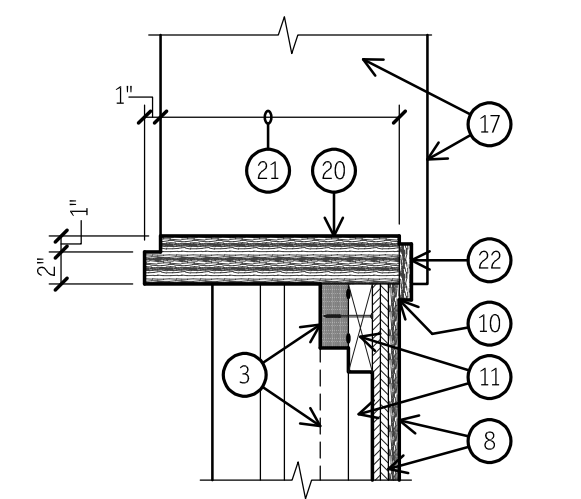
PROPOSED FLOOR PLAN

SCALE: 1/2" = 1'-0"
0' 1.0' 2.0' 3.0' 4.0'
GRAPHIC SCALE



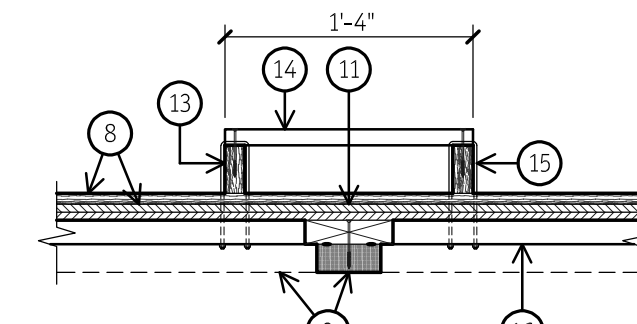
1 DETAIL

SCALE: 1" = 1'-0"
0' 1.0' 2.0'
GRAPHIC SCALE



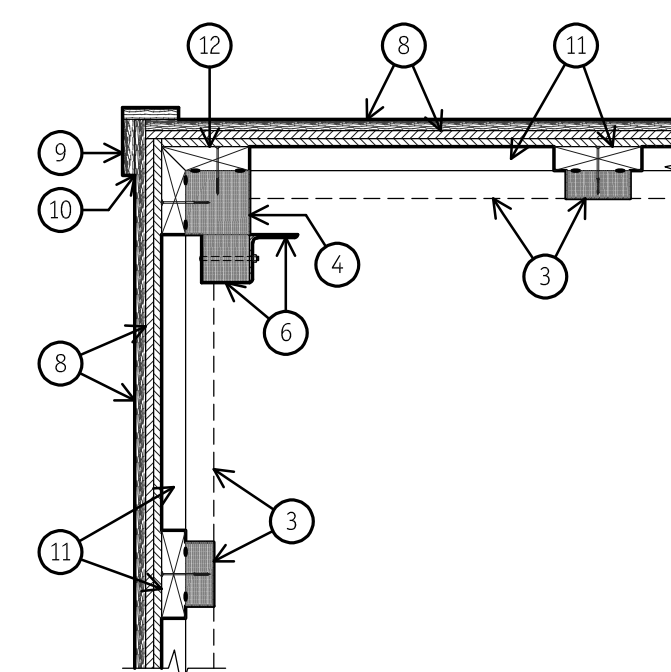
2 DETAIL

SCALE: 1" = 1'-0"
0' 1.0' 2.0'
GRAPHIC SCALE



3 DETAIL

SCALE: 1" = 1'-0"
0' 1.0' 2.0'
GRAPHIC SCALE

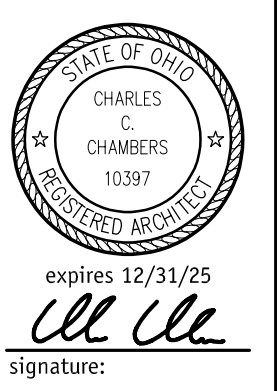


4 DETAIL

SCALE: 1" = 1'-0"
0' 1.0' 2.0'
GRAPHIC SCALE

KEYED NOTES - MISCELLANEOUS DETAILS:

- 1 EXISTING PERIMETER STONE FOUNDATION TO REMAIN.
- 2 EXISTING WOOD SILL PLATE (4 1/4" X 4 1/4") TO REMAIN.
- 3 EXISTING VERTICAL AND HORIZONTAL WOOD FRAMING (1 3/4" X 4") TO REMAIN.
- 4 EXISTING WOOD CORNER POSTS (4" X 4") AND BLOCKING (3" X 3") TO REMAIN.
- 5 EXISTING STONE STEP TO REMAIN.
- 6 EXISTING STEEL ANGLE WINDMILL RIGID FRAMEWORK AND WOOD BLOCKING TO REMAIN.
- 7 FINISH GRADE.
- 8 POLY-ASH 1" X 6" COVE/DUTCH LAP SIDING (PAINT) INSTALLED OVER 1/2" THICK OSB 210P EXTERIOR SHEATHING GLUED TO 1/2" THICK PRESERVATIVE TREATED PLYWOOD INTERIOR SHEATHING. JOINTS BETWEEN THE INTERIOR AND EXTERIOR SHEATHING NOT OVER WOOD FRAMING ARE TO BE STAGGERED (NOT ALIGNED). REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 9 POLY-ASH 1" X 4" CORNER TRIM (PAINT).
- 10 RUN CONTINUOUS BEAD OF SEALANT FILLING "ALL" GAPS BETWEEN TRIM AND SIDING.
- 11 2" X 6" HORIZONTAL AND VERTICAL FRAMING FASTENED TO EXISTING FRAMING WITH TWO CONTINUOUS BEADS OF ADHESIVE AND 2 7/8" LONG HEADLOK SCREWS @ 8" CENTERS. SCRAPE EXISTING WOOD FRAMING TO REMOVE ALL LOOSE MATERIAL AND DEBRIS PRIOR TO APPLYING ADHESIVE (TYPICAL).
- 12 2" X 6" PRESERVATIVE TREATED VERTICAL FRAMING FASTENED TO EXISTING VERTICAL CORNER FRAMING WITH TWO CONTINUOUS BEADS OF ADHESIVE AND 4 1/2" LONG HEADLOK SCREWS @ 8" CENTERS. SCRAPE EXISTING WOOD FRAMING TO REMOVE ALL LOOSE MATERIAL AND DEBRIS PRIOR TO APPLYING ADHESIVE (TYPICAL).
- 13 1 3/4" X 3" WHITE OAK LADDER SIDE RAILS (PRIME AND PAINT).
- 14 1" X 3" WHITE OAK LADDER RUNGS @ 16" CENTERS (PRIME AND PAINT). SECURE TO SIDE RAILS WITH TWO 2 7/8" LONG HEADLOK SCREWS ON EACH SIDE.
- 15 3/8" X 1 1/2" X 7" GALVANIZED SQUARE U-BOLTS WITH FRAME PLATES, WASHERS, AND NUTS SECURING SIDE RAILS TO FRAMING ON EACH SIDE PLACED BELOW EVERY THIRD RUNG (VERIFY U-BOLT WIDTH AND LENGTH REQUIREMENTS).
- 16 PROVIDE 2" X 6" PRESERVATIVE TREATED HORIZONTAL BLOCKING FOR ATTACHMENT OF LADDER SIDE RAIL U-BOLTS (TYPICAL).
- 17 WHITE OAK DOOR SILL IN SIZE AND CONFIGURATION NOTED (PRIME AND PAINT).
- 18 2" X 6" PRESERVATIVE TREATED HORIZONTAL FRAMING ON EACH SIDE OF EXISTING WOOD SILL PLATE. THE NEW FRAMING TOGETHER WITH 3/8" DIAMETER GALVANIZED CARRIAGE BOLTS WITH WASHERS AND NUTS @ 16" CENTERS PRESERVATIVE TREATED BLOCKING FASTENED TO TOP OF EXISTING SILL PLATE IN SIZE REQUIRED TO FILL VOID.
- 19 WHITE OAK TAPERED DOOR JAMB IN SIZE AND CONFIGURATION NOTED (PRIME AND PAINT).
- 20 WIDTH OF JAMB VARIES (TAPERS FROM BOTTOM TO TOP).
- 21 POLY-ASH 1" X 4" DOOR JAMB CASING TRIM (PAINT).
- 22 WHITE OAK DOOR HEAD IN SIZE AND CONFIGURATION NOTED (PRIME AND PAINT).
- 23 WIDTH OF DOOR HEAD TO BE DETERMINED IN FIELD BASED ON HEIGHT AND TAPER OF SIDE JAMBS.
- 24 POLY-ASH 1" X 6" DOOR SILL SHIRT TRIM (PAINT). CUT AS REQUIRED FOR BOTTOM TO ALIGN WITH BOTTOM OF ADJACENT SIDING.
- 25 POLY-ASH 1" X 8" DOOR HEAD CASING TRIM WITH ALUMINUM Z-FLASHING ON TOP (PAINT). CUT TRIM AT LOCATION WHERE Z-FLASHING CAN TUCK BELOW BOTTOM EDGE OF SIDING.



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date:
20 NOVEMBER 2023

revisions:

sheet comments:
DEMOLITION & PROPOSED FLOOR PLANS & MISCELLANEOUS DETAILS & SPECIFICATIONS

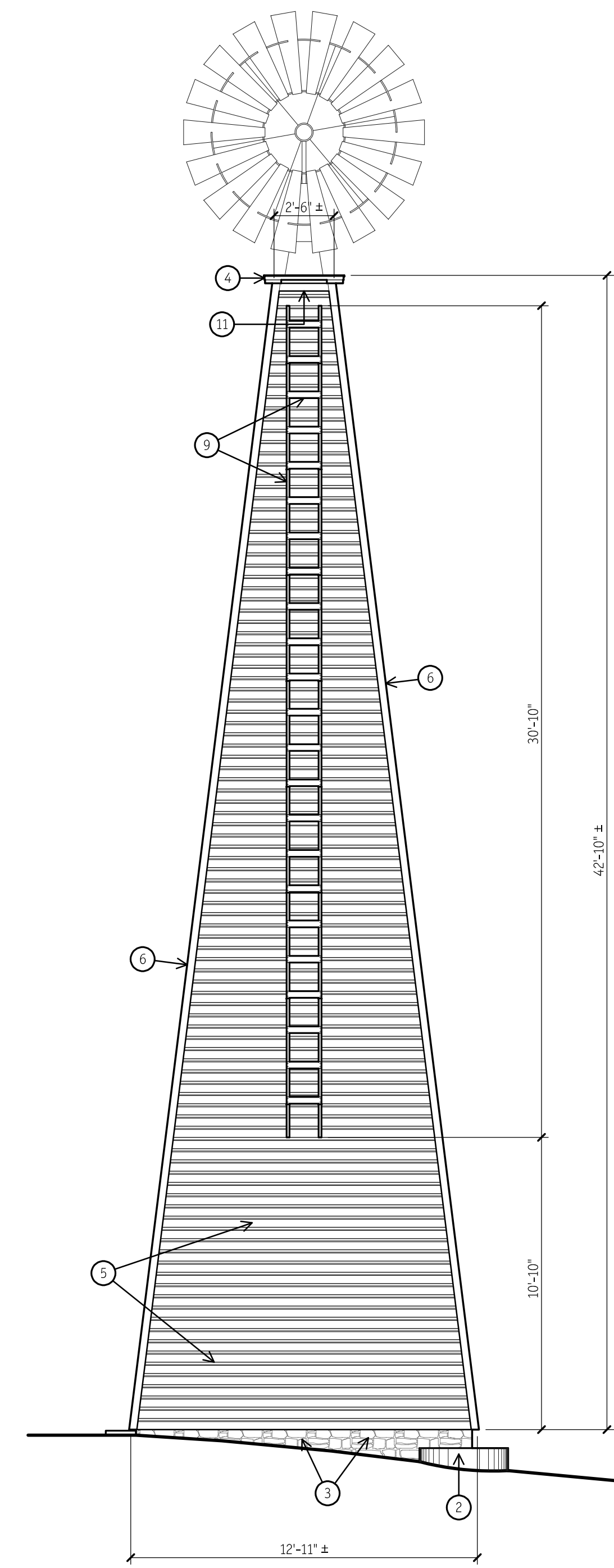
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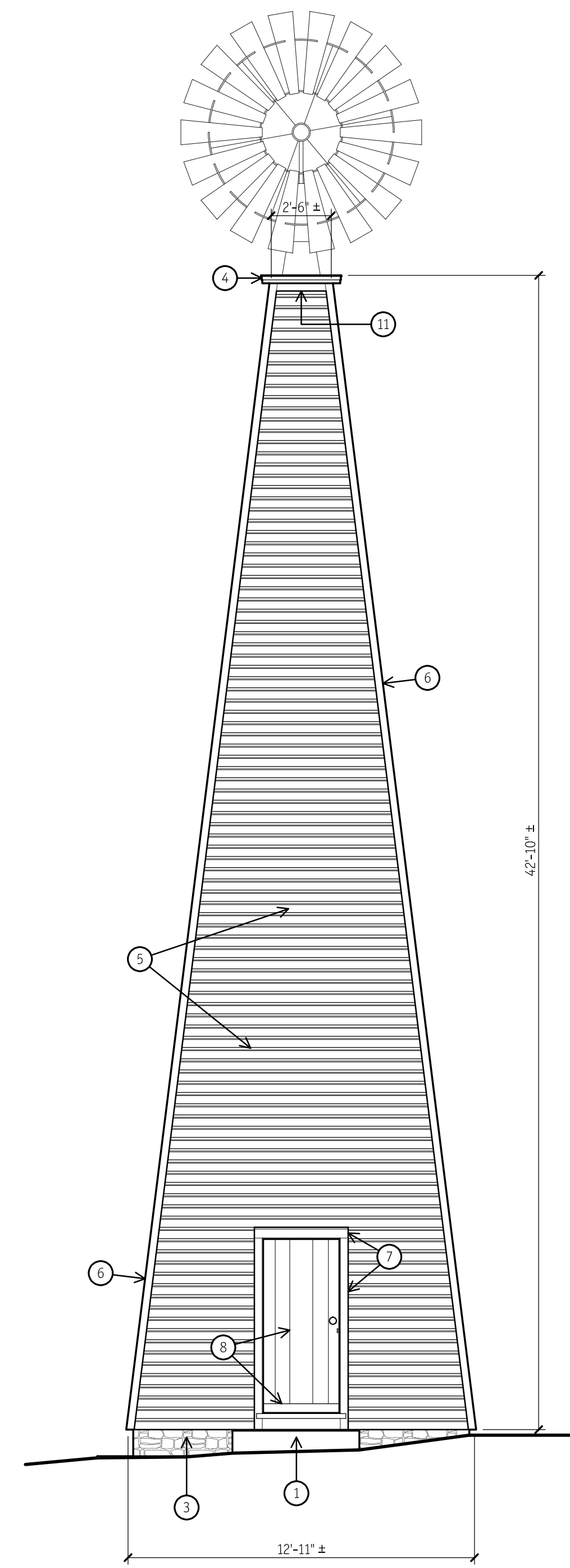
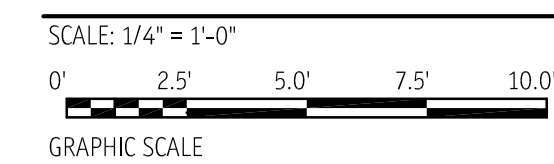
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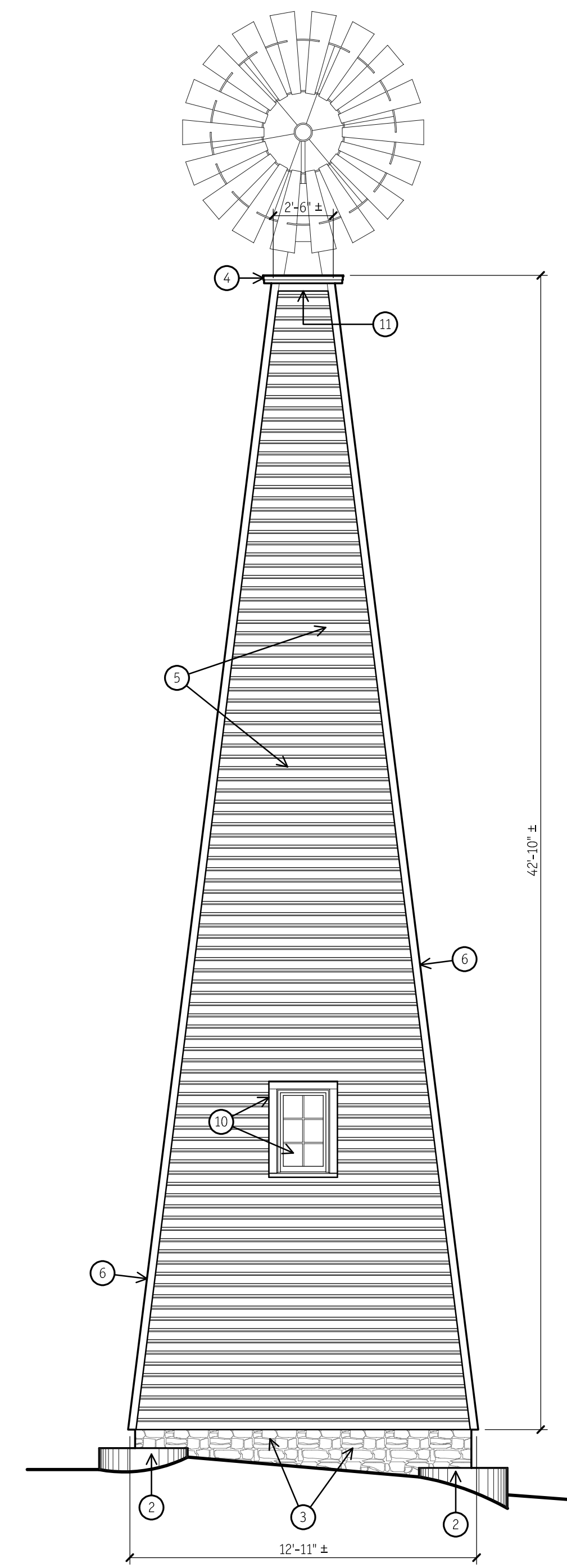
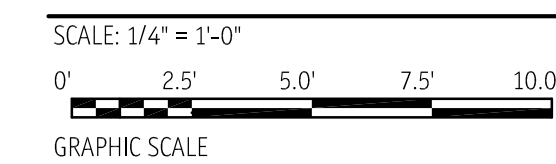
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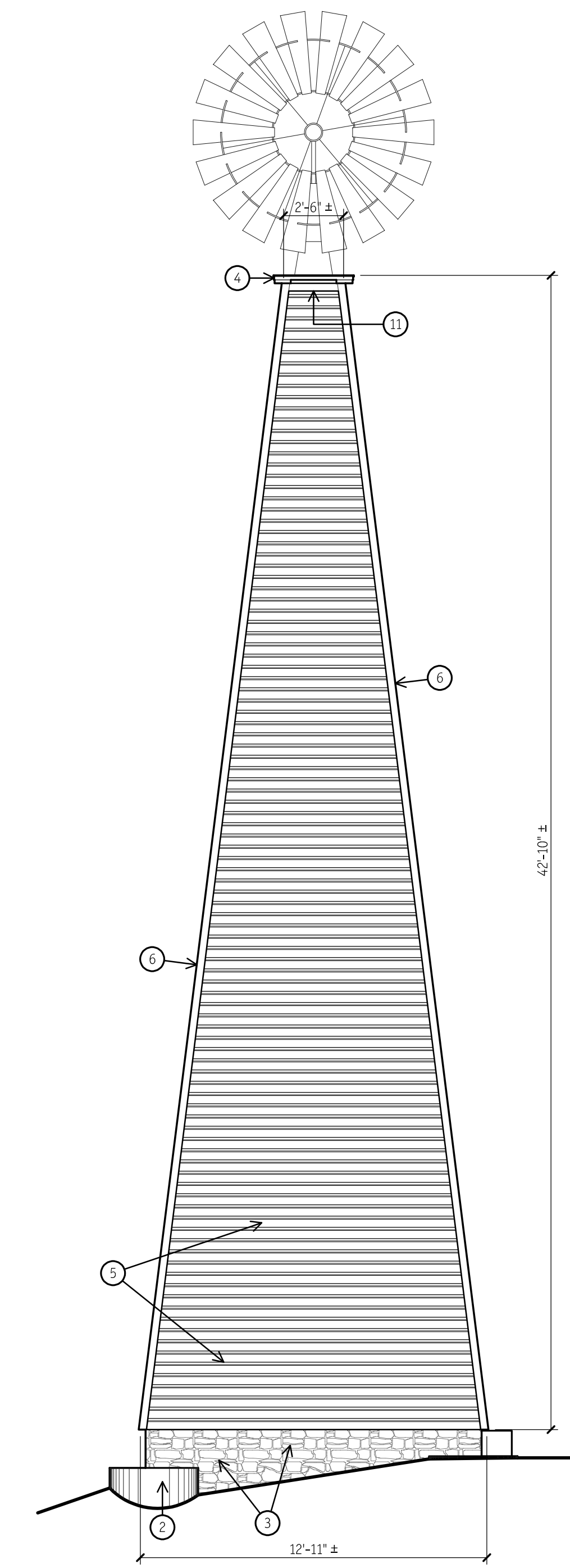
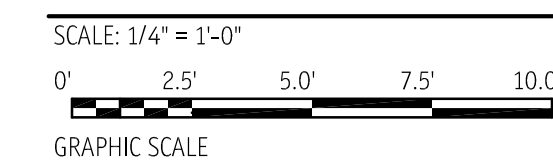
NORTH ELEVATION



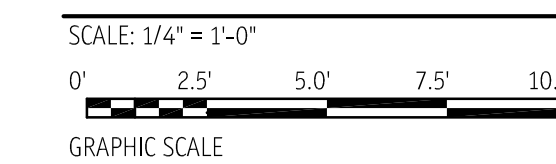
EAST ELEVATION



WEST ELEVATION

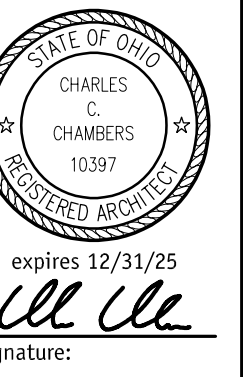


SOUTH ELEVATION



KEYED NOTES - EXTERIOR ELEVATIONS:

- 1 EXISTING STONE STEP TO REMAIN.
- 2 EXISTING CONCRETE PIER FOOTING TO REMAIN.
- 3 EXISTING PERIMETER STONE FOUNDATION TO REMAIN.
- 4 EXISTING WINDMILL CAP (SHEET METAL OVER FOUR 2" X 8" OVERLAPPING PLANKS) TO REMAIN (PRIME AND PAINT).
- 5 INSTALL POLY-ASH 1" X 6" COVE/DUTCH LAP SIDING (PAINT) OVER TWO LAYERS OF SHEATHING. REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 6 INSTALL POLY-ASH 1" X 4" TRIM AT CORNERS (PAINT).
- 7 INSTALL WHITE OAK SILL, JAMB, AND HEAD DOOR FRAMING (PRIME AND PAINT) WITH POLY-ASH CASING TRIM (PAINT). REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 8 REINSTALL EXISTING HINGED DOOR AND HARDWARE. FASTEN WHITE OAK 1" X 8" HORIZONTAL RAIL TO OUTSIDE BASE OF DOOR (SCRAPE AND SAND EXISTING SURFACES - PRIME AND PAINT NEW AND EXISTING SURFACES).
- 9 1"-4" WIDE LADDER CONSTRUCTED WITH WHITE OAK SIDE RAILS AND RUNGS (PRIME AND PAINT). CENTER AND SECURE TO SIDE OF WINDMILL UTILIZING SQUARE U-BOLT FASTENERS ON EACH SIDE BELOW EVERY THIRD RUNG. REFER TO DETAILS FOR ADDITIONAL INFORMATION.
- 10 EXISTING WINDOW ROUGH FRAMING TO REMAIN. REMOVE EXISTING WOOD WINDOW SASH, SILL, JAMB/HEAD TRIM, AND CASING TRIM. INSTALL NEW 1 1/2" THICK POLY-ASH SILL, 3/4" THICK JAMB/HEAD TRIM, AND 1" X 4" POLY-ASH CASING TRIM (PAINT). INSTALL NEW FIXED WOOD WINDOW SASH WITH SINGLE PANE GLASS AND TRUE DIVIDED LITES TO MATCH EXISTING SASH (PRIME AND PAINT). INSTALL ALUMINUM Z-FLASHING ABOVE HEAD CASING TRIM AND TUCK BEHIND SIDING. CAULK GAP ALONG EDGE OF SIDE CASING TRIM WHERE IT ABUTS SIDING.
- 11 INSTALL POLY-ASH 1" X 4" HORIZONTAL TRIM BELOW EXISTING WINDMILL CAP.



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sheet number:

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