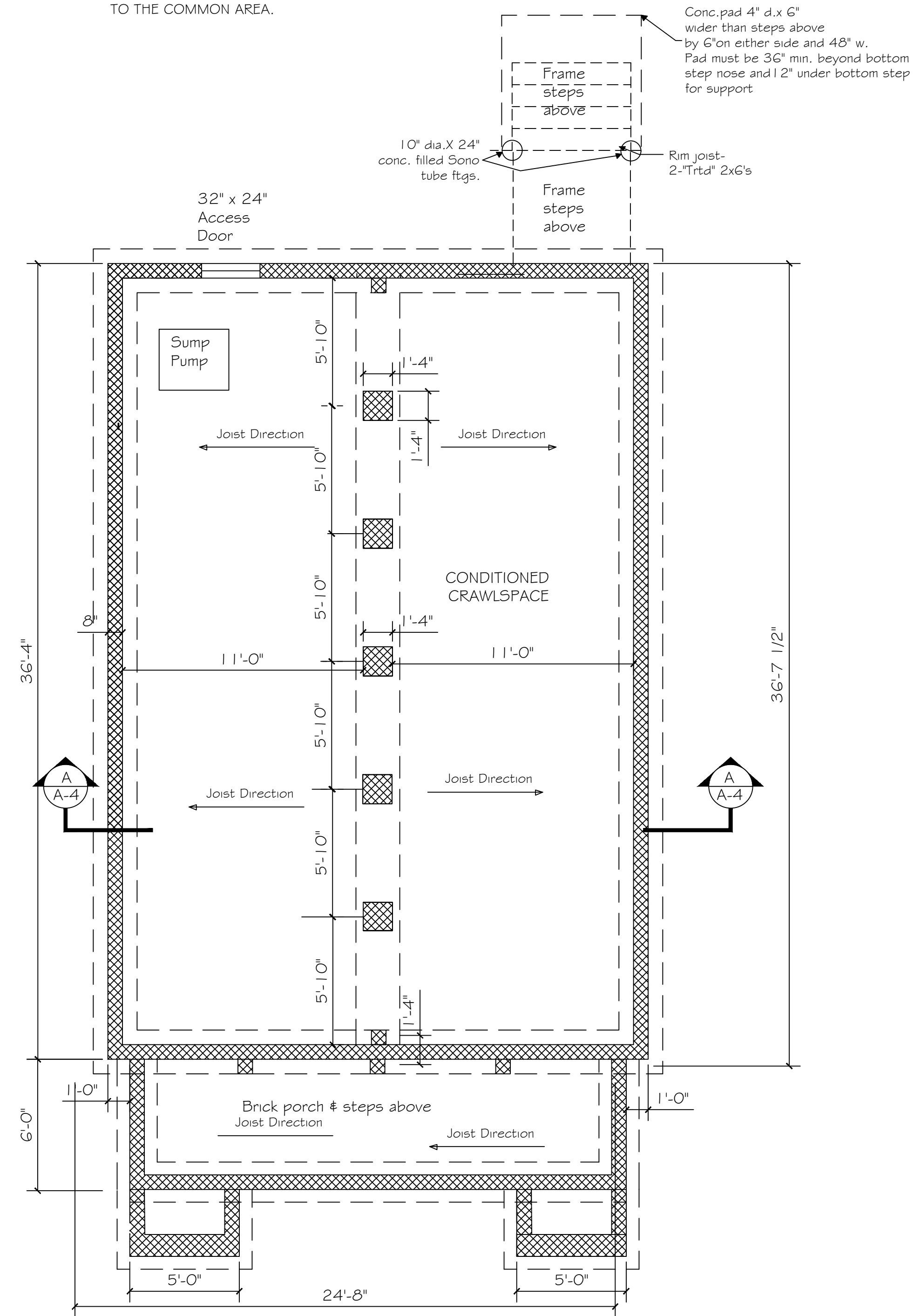


SITE PLAN PROVIDED BY OTHERS

- FOUNDATION**
- FOOTER: 10" D. x 24" W. WITH 2 STRANDS OF #4 STEEL REBAR, MIN. 24" BELOW FINISHED GRADE.
 - 4" DRAIN TILE TO BE INSTALLED AT FULL PERIMETER WITH SUMP PITS INSTALLED AS SHOWN.
 - 5 COURSES 8" CMU FOUNDATION WALL W/VERTICAL REBAR @ 3' O.C., CELLS FILLED W/ CONC. @ EA. REBAR, BOND BEAM@TOP OF WALL W/ CAST IN PLACE ANCHOR BOLTS EVERY 4' O.C # 6" FROM ENDS OF SILL PLATE. MIN. 3 COURSES ABOVE GRADE, PARGED FINISH.
 - APPLY ASPHALT FOUNDATION COATING TO WALL FROM TOP OF FOOTING UP TO FINISH GRADE
 - PIER LINES TO BE CONSTRUCTED ON CONTINUOUS REINFORCED FOOTERS AS ABOVE.
 - PIERS TO BE 16" SQUARE, BUILT OF 8" CMU TO HEIGHT OF FLOOR SYSTEM SPECIFICATIONS
 - STEEL LEVELING SHIMS UNDER BEAM, NO WOOD SHIMS.
 - PROVIDE FOR 4" PEA GRAVEL THROUGH FULL FOUNDATION OVER UNDISTURBED EARTH.
 - EXPOSED EARTH IS COVERED WITH A CONTINUOUS CLASS I VAPOR RETARDER, JOINTS OF THE VAPOR RETARDER SHALL OVERLAP BY 6" AND SHALL BE SEALED OR TAPED. THE EDGES OF THE VAPOR RETARDER SHALL EXTEND AT LEAST 6" UP THE STEM WALL OR INSULATION
 - PROVIDE 32" X 24" CRAWL SPACE DOOR AS SHOWN. OPENING TO BE ABOVE GRADE. VERIFY MASONRY ROUGH OPENING WITH DOOR MANUFACTURER.
 - TERMITE SHIELD - 10' GALVANIZED FLASHING.
 - MUD SILL - 2X10 TREATED SYP, BOLTED 48" O.C. AND 6" MINIMUM FROM ENDS OF BOARDS
 - INTERIOR OF FOUNDATION TO BE INSULATED WITH SPRAYED POLYURETHANE FOAM, WITH SEALED BAND JOISTS AND SEALANT APPLIED TO ALL PLUMBING, ELECTRICAL AND MECHANICAL PENETRATIONS
 - CRAWL SPACE IS TO BE CONDITIONED. NO EXTERIOR VENTS. PROVIDE FOR CONDITIONED AIR SUPPLY SIZED TO DELIVER AT A RATE EQUAL TO 1 CUBIC FOOT PER MINUTE FOR EACH 50 SQUARE FEET OF UNDER FLOOR AREA, INCLUDING A RETURN AIR PATHWAY TO THE COMMON AREA.



Foundation Plan

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

CODE REFERENCES
TOWN OF CAMBRIDGE
DORCHESTER COUNTY, MARYLAND

- INTERNATIONAL RESIDENTIAL CODE 2018
- NATIONAL FIRE PREVENTION CODE 2018
- NATIONAL ELECTRICAL CODE 2017
- PLUMBING CODE OF MARYLAND 2018
- INTERNATIONAL ENERGY CONSERVATION CODE 2018
- INTERNATIONAL MECHANICAL CODE 2018

PER IECC 2018 COMPLIANCE
TABLE R402.4.1.1
AIR BARRIER INSTALLATION CRITERIA

COMPONENT	AIR BARRIER AND THERMAL BARRIER
CEILING/ATTIC	A CONTINUOUS AIR BARRIER SHALL BE INSTALLED IN THE BUILDING ENVELOPE. EXTERIOR THERMAL ENVELOPE CONTAINS A CONTINUOUS AIR BARRIER. BREAKS OR JOINTS IN THE AIR BARRIER SHALL BE SEALED. AIR PERMEABLE INSULATION SHALL NOT BE USED AS A SEALING MATERIAL.
WALLS	THE AIR BARRIER IN ANY DROPPED CEILING/SOFFIT SHALL BE ALIGNED WITH THE INSULATION AND ANY GAPS IN THE AIR BARRIER SHALL BE SEALED. ACCESS OPENINGS, DROP DOWN STAIR OR OR KNEE WALL DOORS TO UNCONDITIONED ATTIC SPACES SHALL BE SEALED.
WINDOWS, SKYLIGHTS AND DOORS	THE JUNCTION OF THE FOUNDATION AND THE SILL PLATE SHALL BE SEALED. THE JUNCTION OF THE TOP PLATE AND THE TOP OF EXTERIOR WALLS SHALL BE SEALED. KNEE WALLS SHALL BE SEALED.
RIM JOISTS	THE SPACE BETWEEN WINDOW/DOOR JAMBS AND FRAMING AND SKYLIGHTS AND FRAMING SHALL BE SEALED.
FLOORS (INCLUDING ABOVE GARAGE AND CANTILEVERED FLOORS)	THE SPACE BETWEEN WINDOW/DOOR JAMBS AND FRAMING AND SKYLIGHTS AND FRAMING SHALL BE SEALED.
SHAFTS, PENETRATIONS	RIM JOISTS SHALL INCLUDE THE AIR BARRIER.
RECESSED LIGHTING	THE AIR BARRIER SHALL BE INSTALLED AT ANY EXPOSED EDGE OF INSULATION.
SHOWER/TUB ON EXTERIOR WALL	DUCT SHAFTS, UTILITY PENETRATION AND FLUE SHAFTS OPENING TO THE EXTERIOR OR UNCONDITIONED SPACES SHALL BE SEALED.
ELECTRICAL/PHONE BOX ON EXTERIOR WALLS	RECESSED LIGHT FIXTURES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE AIR TIGHT, IC RATED AND SEALED TO DRYWALL.
HVAC REGISTER BOOTS	EXTERIOR WALLS ADJACENT TO SHOWERS AND TUBS SHALL HAVE AN AIR BARRIER INSTALLED SEPARATING THEM FROM SHOWERS AND TUBS.
	THE AIR BARRIER SHALL BE INSTALLED BEHIND ELECTRICAL OR COMMUNICATION BOXES OR AIR SEALED BOXES SHALL BE INSTALLED.
	HVAC REGISTER BOOTS THAT PENETRATE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO THE SUBFLOOR OR DRYWALL.

PROPERTY INFORMATION

NEW CONSTRUCTION RESIDENCE
3 BEDROOM
2 BATH
HEATED LIVING SPACE 1795 S.F.
COVERED PORCH 57 S.F.
REAR ENTRY DECK 28 S.F.
PROPERTY ADDRESS 500 PINE ST.
TAX MAP PARCEL
LOT AREA

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A2 1ST. & 2ND FL. PLANS
ROOF PLAN
A3 ELEVATIONS
A4 CROSS SECTIONS

HABITAT for HUMANITY
CHOPTANK
29349 W. MAPLE AVE. SUITE 3, TRAPPE, MD. 216673

TRANQUIL
WATERS
DESIGN

REMODELING OF
500 PINE STREET
CAMBRIDGE
DORCHESTER CO., MD.

P.O. BOX 547
ST. MICHAELS MD. 21663
804-761-0483 PHONE
tranquilwatersdesign@gmail.com

DATE ISSUED
NOV.11, 2024

REVISIONS

JOB: 500 PINE ST.

A1

PLANS