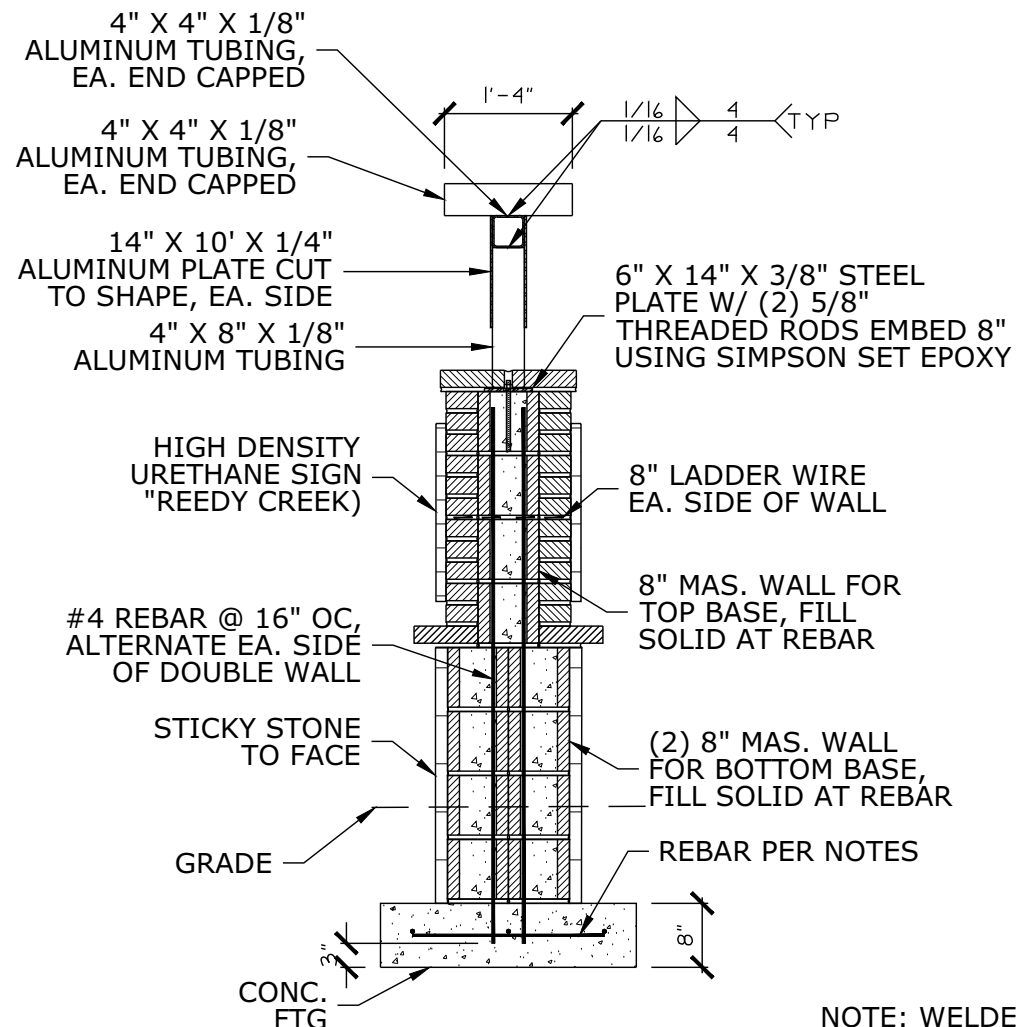
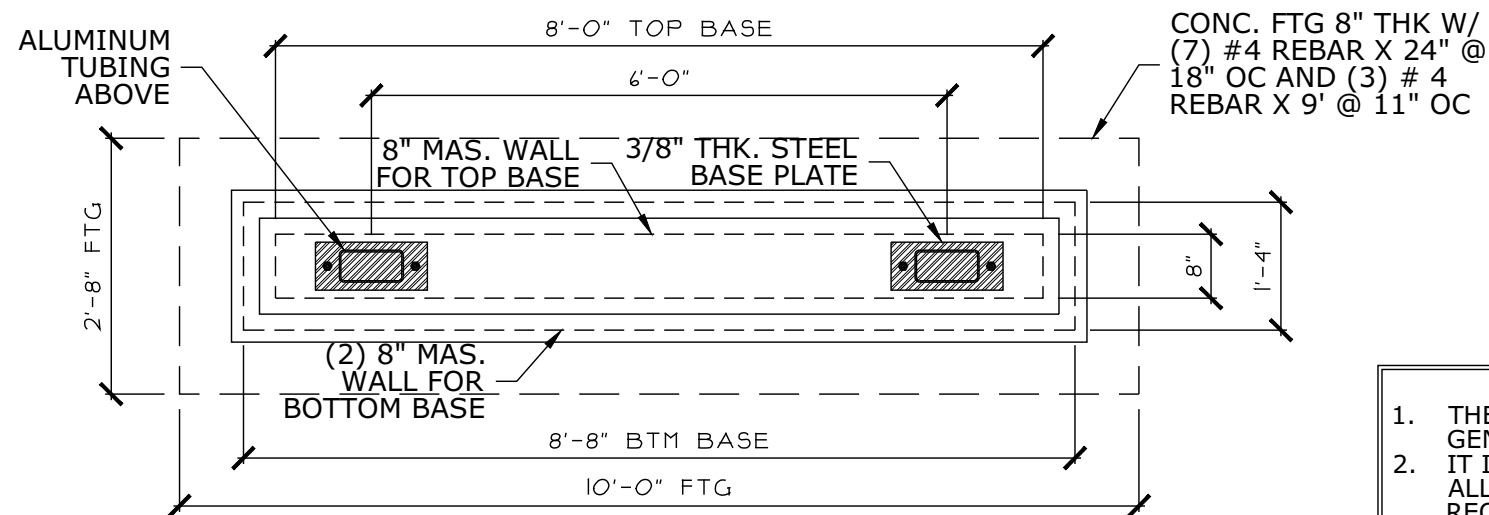


BOTH SIDES OF ENTRY SIGN



CROSS SECTION

NOTE: WELDER TO HAVE QUALIFICATIONS FOR WELDING ALUMINUM TO ALUMINUM AND ALUMINUM TO STEEL.



ENTRY PIER

REEDY BRANCH SUBDIVISION ENTRY PIER (LOCATE PER SITE PLAN)

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

- GENERAL NOTES**
1. THESE PLANS ARE DESIGNED TO BE USED BY A LICENSED GENERAL CONTRACTOR.
 2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL PHASES OF CONSTRUCTION COMPLY WITH ALL BUILDING CODE REQUIREMENTS.
 3. PRIOR TO CONSTRUCTION, THE GENERAL CONTRACTOR IS TO REVIEW ALL PLANS AND BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS.
 4. ANY DISCREPANCY IN THE PLANS IS TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER PRIOR TO THE BEGINNING OF CONSTRUCTION.
 5. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS WILL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

SEAL DATE: 05/15/2025

**PRELIMINARY
DO NOT USE
FOR
CONSTRUCTION**

**WOODARD SEASE
& ASSOCIATES, PC**
STRUCTURAL ENGINEERS
4915 WATERS EDGE DRIVE, SUITE 225 RALEIGH, NC 27606
OFFICE: (919) 307-3995
LICENSE # C-3041

**REEDY BRANCH ENTRY
LILLINGTON, NORTH CAROLINA
BUILDER: SMITH DOUGLAS HOMES**
DESIGNER: WOODGRAPHICS PLAN: ENTRY SIGN

PROJ. #:	25-20-076	DATE:	05/15/2025
ENGINEER:	WPS	REV. #:	1
DWN. BY:	WPS	DATE:	--/--
CHKD BY:	BEW	REV. #:	2
		DATE:	--/--
		REV. #:	3
		DATE:	--/--
		REV. #:	4
		DATE:	--/--

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

FOUNDATION PLAN

SHEET:
S-1
1 OF 2

DESIGN LOADS

DESIGN LOADS:
FLOOR/ROOF AREAS LIVE LOAD DEAD LOAD
 N/A N/A

OCCUPANCY CATEGORY : I
WIND LOADS:
BASIC WIND VELOCITY = 120 MPH
IMPORTANCE FACTOR = Iw = 1.00
EXPOSURE CATAGORY = B
BUILDING = ENCLOSED
WIND BASE SHEAR Vx = 0.4 KIPS
WIND BASE SHEAR Vy = 0.4 KIPS
SNOW LOADS:
GROUND SNOW LOAD Pg = 10 PSF
EXPOSURE FACTOR Ce = 0.9
THERMAL FACTOR Ct = 1.0
IMPORTANCE FACTOR = Ipg = 1.0
SNOW LOAD Pf = 9 PSF
SEISMIC LOADS:
IMPORTANCE FACTOR = I
Sds = 0.192 Sd1 = 0.1472
SEISMIC DESIGN CATEGORY = C
RESPONSE AMPLIFICATION FACTOR = R = 4
SEISMIC BASE SHEAR V = 0.2 KIPS

FOUNDATIONS:

- FOUNDATION NOTES:
1. ALL FOOTINGS SHALL BE POURED ON COMPACTED SOIL WITH A MINIMUM BEARING CAPACITY OF 2000 PSF.
 2. CONTINUOUS WALL FOOTINGS SHALL BE POURED MONOLITHICALLY WITH COLUMN FOOTINGS.
 3. ALL BACKFILL NMATERIAL SHALL BE FREE OF DEBRIS. PLACE FILL IN 8" LIFTS WITH COMPACTION BETWEEN LIFTS TO A MINIMUM OF 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.
 4. INSTALL FOUNDATIONS PER GEOTECHNICAL ENGINEER'S REPORT AND FIELD INSTRUCTIONS.
 5. FOUNDATION TYPE AND DESIGN MAY BE FIELD-MODIFIED BASED UPON GEOTECHNICAL ENGINEER'S SITE DETERMINATIONS.
 6. NOTIFY ENGINEER OF ALL FIELD DETERMINED CONCLUSIONS.
 7. WALLS ACTING AS RETAINING WALLS SHALL NOT BE BACKFILLED WITHOUT BRACING UNTIL ALL SUPPORTING SOIL AND SLABS ARE IN PLACE.

CONCRETE:

- CONCRETE NOTES:
1. ALL CONCRETE IS TO BE PROPORTIONED AND PLACED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE/ACI 318.
 2. CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH:
SLABS: 3000 PSI FOUNDATIONS: 3000 PSI
FOOTINGS: 3000 PSI
 3. ALL CONCRETE STEEL REINFORCEMENT TO BE GRADE 60.
 4. ALL INTERIOR SLABS TO BE 5" THICK.
 5. CONTROL JOINTS ARE TO BE PLACED AS SPECIFIED ON PLANS BOTH DIRECTIONS.

GENERAL STRUCTURAL NOTES

- GENERAL NOTES
1. THE ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS THE STRUCTURAL ENGINEER OF RECORD FOR THIS PROJECT. NO OTHER PARTY MAY MODIFY OR REUSE THESE CONSTRUCTION DOCUMENTS WITHOUT WRITTEN PERMISSION FROM WOODARD SEASE AND ASSOCIATES PC OR STRUCTURAL ENGINEER OF RECORD. ENGINEERS SEAL ONLY APPLIES TO STRUCTURAL COMPONENTS AND SYSTEMS AND DOES NOT CERTIFY DIMENSIONAL ACCURACY OF THE ARCHITECTURAL LAYOUT.
 2. THE ENGINEER SHALL HAVE NO LIABILITY TO OTHERS FOR ACTS OR OMISSIONS OF THE CONTRACTOR/BUILDER OR ANY OTHERS PERFORMING WORK ON THIS PROJECT. THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION SEQUENCES, METHODS, OR TECHNIQUES AND/OR SAFETY REQUIREMENTS IN CONNECTION WITH THE CONSTRUCTION OF THIS STRUCTURE.
 3. CONTRACTOR ASSUMES ALL RESPONSIBILITY FROM DEPICTED OR IMPLIED STRUCTURAL INFORMATION. SHOULD ANY DISCREPANCIES BECOME APPARENT, THE STRUCTURAL ENGINEER OF RECORD MUST BE NOTIFIED IMMEDIATELY BEFORE CONSTRUCTION BEGINS.
 4. ONLY SEALED DRAWINGS W/LATEST REVISIONS ARE APPLICABLE FOR CONSTRUCTION.
 5. ALL CONSTRUCTION, WORKMANSHIP, AND MATERIALS SHALL CONFORM TO THE LATEST REQUIREMENTS OF "2012 NORTH CAROLINA BUILDING CODE" AND LOCAL REGULATIONS..
 6. DEFLECTION: FLOOR: L/360, ATTIC W/ CEILING: L/240, ROOF: L/180 - MORE STRINGENT CRITERIA MAY BE USED AT ENGINEER'S DISCRETION OR AS REQUESTED.
 7. DO NOT SCALE DRAWINGS. CONTRACTOR SHALL CONTACT ARCHITECT FOR ITEMS NOT DIMENSIONED.

MASONRY:

- MASONRY NOTES
1. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C 90, GRADE N-I UNLESS OTHERWISE NOTED, COMPRESSIVE STRENGTH ON NET CROSS SECTIONAL AREA: 2000 PSI.
 2. MASONRY SHALL BE LAID IN ASTM C 270, TYPE "S" MORTAR, UNLESS OTHERWISE NOTED AND SHALL HAVE FULL MORTAR COVERAGE OF THE FACE SHELLS IN BOTH HORIZONTAL AND VERTICAL JOINTS.
 3. GROUT FOR REINFORCED MASONRY SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS AND SHALL CONFORM TO ASTM C476.
 4. GROUT FOR REINFORCED MASONRY SHALL HAVE A SLUMP OF 8 TO 11 INCHES. COURSE GROUT SHALL BE USED IN SPACES 2-1/2" X 3" AND GREATER. FINE GROUT SHALL BE USED IN SPACES 2" X 3" AND SMALLER.
 5. MAXIMUM HEIGHT TO WHICH MASONRY SHALL BE LAID BEFORE FILLING IS 4 FEET FOR COARSE GROUT AND 2 FEET FOR FINE GROUT.
 6. REINFORCING GRADE AND DETAILS SHALL BE THE SAME AS FOR CONCRETE. TIE IN POSITION AND PLACE CONCRETE AROUND REINFORCING DURING CONSTRUCTION OF MASONRY. DO NOT PUSH REINFORCING DOWN INTO PREVIOUSLY PLACED GROUT FILL. SET BOLTS SIMILARLY.
 7. HORIZONTAL REINFORCING BARS MAY BE SPLICED WITH A MINIMUM LAP OF 48 TIMES THE BAR DIAMETER UNO.
 8. REINFORCE ALL WALLS WITH 9 GAGE CONTINUOUS LADDER TYPE REINFORCING AT 16" VERTICAL SPACING UNO ON PLANS.
 9. SPLICED REINFORCING BARS SHALL OCCUPY THE SAME CELL. MINIMUM LAP SPLICE SHALL BE 48 TIMES THE BAR DIAMETER. SPLICED BARS NEED NOT BE TIED TOGETHER.
 10. VERTICAL REINFORCEMENT IN WALLS SHALL BE SUPPORTED AND SECURED AGAINST DISPLACEMENT AT 6 FOOT INTERVALS FOR #3 AND #4 BARS AND 8 FOOT INTERVALS FOR #5 AND #6 BARS.
 11. WHERE INTERIOR CONCRETE MASONRY PARTITIONS INTERSECT WITH OTHER INTERIOR PARTITIONS OR EXTERIOR WALLS, A MASONRY BOND, OR THE EQUIVALENT IN APPROVED METAL TIES, SHALL BE PROVIDED UNO ON THE DRAWINGS.
 12. MORTAR JOINTS SHALL BE 3/8" THICK WITH FULL MORTAR COVERAGE ON VERTICAL AND HORIZONTAL FACE SHELLS. VERTICAL JOINTS SHALL BE SHOVED TIGHT.

WOODARD SEASE
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STRUCTURAL ENGINEERS

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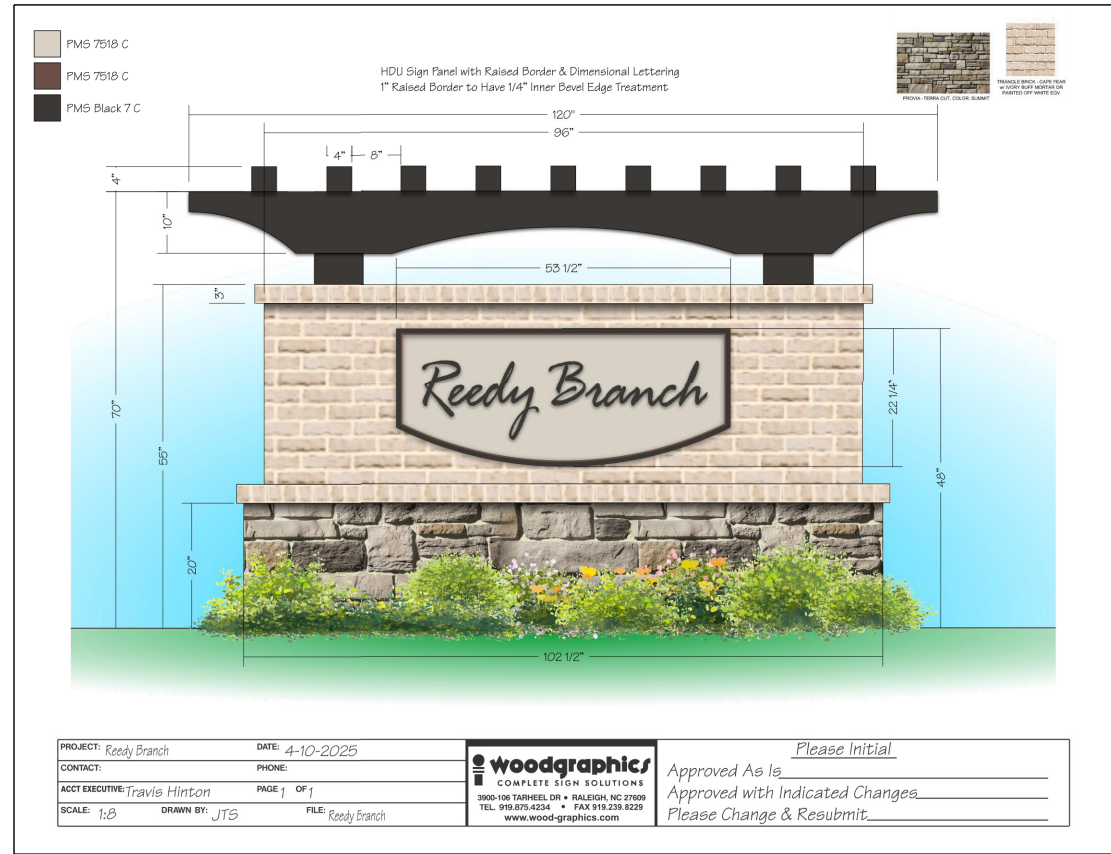
REEDY BRANCH ENTRY
LILLINGTON, NORTH CAROLINA
BUILDER: SMITH DOUGLAS HOMES
DESIGNER: WOODGRAPHICS PLAN: ENTRY SIGN

PROJ. #:	25-20-076	DATE:	05/15/2025
ENGINEER:	WPS	REV. #:	1
DWN. BY:	WPS	DATE:	--/--/--
CHKD BY:	BEW	2	--/--/--
		3	--/--/--
		4	--/--/--

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

FOUNDATION PLAN

SHEET:
S-2
2 OF 2



REFERENCE DRAWING OF CONCEPT

SEAL DATE: 05/15/2025

