

SCOPE OF WORK

ADDITION AND EXTENSION OF ROOF OVERHANG ABOVE EXISTING DOORWAY AT THE REAR OF THE PROPERTY.

GENERAL REQUIREMENTS

1. WORK PERFORMED SHALL COMPLY WITH THESE GENERAL NOTES UNLESS OTHERWISE NOTED ON PLANS.
2. ON-SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS.
3. DIMENSIONS SHALL BE READ OR CALCULATED AND NEVER SCALED. ALL DIMENSIONS ARE TO THE ROUGH UNLESS NOTED OTHERWISE.
4. DISCREPANCIES: THE CONTRACTOR SHALL COMPARE & COORDINATE ALL DRAWINGS; WHEN IN THE OPINION OF THE CONTRACTOR, A DISCREPANCY EXISTS HE SHALL PROMPTLY REPORT IT TO THE DESIGNER OR PROPER ADJUSTMENT BEFORE PROCEEDING.
5. OMISSIONS: IN THE EVENT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS, THE CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR NOTED.
6. ALL WORK IS TO BE PERFORMED IN A PROFESSIONAL MANNER AND IN ACCORDANCE WITH STANDARD PRACTICE AND SHALL BE IN STRICT COMPLIANCE WITH MANUFACTURER'S SPECIFICATIONS AND/OR RECOMMENDATIONS.
7. THE GENERAL AND SUB-CONTRACTORS SHALL CAREFULLY EXAMINE THE DRAWINGS INSPECT THE SITE AND ACQUAINT THEMSELVES WITH ALL GOVERNING ORDINANCES, LAWS, ETC. AND OTHERWISE FAMILIARIZE THEMSELVES WITH ALL MATTERS WHICH MAY AFFECT PERFORMANCE OF THE WORK.
8. THE STRUCTURAL INTEGRITY OF THE BUILDING IS DEPENDENT UPON COMPLETION ACCORDING TO THE PLANS AND SPECIFICATIONS. THE STRUCTURAL ENGINEER OF RECORD ASSUMES NO LIABILITY FOR THE STRUCTURE DURING CONSTRUCTION. THE METHOD OF CONSTRUCTION AND SEQUENCE OF OPERATIONS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL SUPPLY ANY NECESSARY BRACING, GUYS, ETC. TO PROPERLY BRACE THE STRUCTURE AGAINST WIND, DEAD AND LIVE LOADS UNTIL THE BUILDING IS COMPLETED ACCORDING TO THE PLANS SPECIFICATIONS. ANY QUESTIONS REGARDING TEMPORARY BRACING REQUIREMENTS SHOULD BE FORWARDED TO A STRUCTURAL ENGINEER FOR REVIEW.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY BRACING AND SHORING, AS REQUIRED, TO ENSURE VERTICAL AND LATERAL STABILITY OF THE ENTIRE STRUCTURE OR PORTION THEREOF DURING CONSTRUCTION.

CODE COMPLIANCE

LATEST EDITION OF COMMONWEALTH OF VIRGINIA UNIFORM STATE BUILDING CODE (USBC).

LUMBER

1. ALL WOOD MEMBERS AND WORK PERTAINING TO, HAVE CONFIGURED USING ALLOWABLE STRESS DESIGN (ASD).
2. ALL JOISTS, BEAMS AND POSTS SHALL BE SPRUCE-PINE-FIR NO.1/NO.2 PER "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", NFPA. ALL STUDS SHALL BE SPRUCE-PINE-FIR STUD-GRADE. ALL WOOD MEMBERS SHALL BE MANUFACTURED TO COMPLY WITH PS20 OF "AMERICAN SOFTWOOD LUMBER STANDARDS" AND SHALL HAVE 19% MAXIMUM MOISTURE CONTENT.
3. MINIMUM MEMBER PROPERTIES SHALL BE AS FOLLOWS:
 2.1 WOOD LINTELS, JOISTS AND BEAMS
 a. FLEXURE: Fb = 875 PSI
 b. SHEAR: Fv = 135 PSI
 c. MODULUS OF ELASTICITY = 1,400,000
 2.2 WALL STUDS: STUD GRADE
 a. FLEXURE: Fb = 675 PSI
 b. COMPRESSION PARALLEL: Fc = 725 PSI
 c. MODULUS OF ELASTICITY = 1,200,000
4. ALL EXTERIOR WALL STUDS ARE TO BE 2x6'S SPACED AT 16" O.C. (U.N.O.). PLACE DOUBLE STUDS AT END OF WALLS AND TRIPLE STUDS AT INTERSECTIONS AND CORNERS. ALL MULTIPLE STUD POSTS SHALL BE FASTENED AS FOLLOWS:
 a. DOUBLE STUDS SHALL BE NAILED TOGETHER W. 10d AT 6' D.C.
 b. TRIPLE STUDS SHALL BE NAILED TOGETHER W. 16d AT 6' O.C. EA SIDE
 c. FOR (4) STUD POSTS, USE 20d NAILS AT 8-INCHES ON CENTER.
5. PROVIDE SIMPSON STRONG-TIE (OR APPROVED EQUAL) POST CAPS AT ALL BEAM-ON-POST BEARING LOCATIONS, U.N.O
6. ALL PLYWOOD SUBFLOORING SHALL BE 3/4-INCH THICK T&G, APA RATED 32/16 ADVANTECH SHEATHING. SHEATHING SHALL BE GLUED WITH SUB-FLOOR ADHESIVE AND BE FASTENED WITH 8d NAILS AT 6-INCHES ON CENTER AT BOUNDARY PANEL EDGES AND AT 12-INCHES ON CENTER AT ALL INTERMEDIATE SUPPORTS.
7. LAMINATED VENEER LUMBER (L.V.L.) SHALL BE INSTALLED AND FASTENED PER THE MANUFACTURER'S RECOMMENDATIONS AND NOT BE LESS THAN SIZE SPECIFIED IN PLANS. MINIMUM MEMBER PROPERTIES SHALL BE AS FOLLOWS:
 a. FLEXURE: Fb = 2,800 PSI
 b. SHEAR: Fv = 285 PSI
 c. MODULUS OF ELASTICITY = 1,900,000
8. PROVIDE MIN. 3" BEARING FOR ALL LAMINATED VENEER AND PARALLEL STRAND BEAMS, 2" BEARING FOR STANDARD LUMBER BEAMS.
9. ALL WOOD TOP PLATE SPLICES SHALL BE STAGGERED @ 6'-0" MINIMUM.
10. ALL MULTIPLE MEMBERS ARE TO BE FASTENED TOGETHER WITH THE FOLLOWING NAILS AND SIMPSON SDS (STRONG-DRIVE SCREWS), USING THE FASTENER-TO-FASTENER SPACING NOTED WITHIN EACH ROW OF FASTENERS. ALL FASTENERS SHALL BE INSTALLED IN THE QUANTITY OF ROWS SPECIFIED, IN A STAGGERED PATTERN:

PILES	DEPTH	FASTENERS	SPACING	ROWS
(2)1-1/2"	9'-12"	10d NAILS	12" O.C.	2
(3)1-1/2"	9'-12"	16d NAILS	16" O.C.	2*
(3)1-1/2"	14'-18"	16d NAILS	16" O.C.	3*
(2)1-3/4"	9'-12"	12d NAILS	16" O.C.	2
(3)1-3/4"	9'-12"	SDS 1/4"x4 1/2"	12" O.C.	2*

*ALL TRIPLE AND -PLY MEMBERS SHALL BE FASTENED FROM BOTH SIDES WITH THE NUMBER OF ROWS AND FASTENERS SPECIFIED. SIDE-TO-SIDE SPACING SHALL ALSO BE STAGGERED.

11. PROVIDE SOLID BLOCKING BETWEEN JOISTS AND RAFTERS AT ALL BEARING POINTS
12. PROVIDE 16 GAGE JOIST HANGERS OR ANGLE CLIPS TO ALL JOIST CONNECTIONS WHERE THERE IS NO DIRECT BEARING SUPPORT.
13. PROVIDE BRIDGING AT CENTER SPAN OF JOISTS OR INTERVALS NOT EXCEEDING 8 FEET.
14. ALL MISCELLANEOUS WOOD CONNECTIONS SHALL BE FASTENED PER 2006 IBC, TABLE 2304.9.1 "FASTENING SCHEDULE."
15. NAILS INDICATED IN THE DRAWINGS, DETAILS, AND NOTES SHALL BE DEFINED AS FOLLOWS: 8d = 0.131"x2.5", 10d = 0.148"x3", 16d = 0.162"x3.5". SUBSTITUTIONS FOR THESE NAIL SIZES SHALL BE SUBMITTED IN WRITING TO THE ENGINEER FOR APPROVAL.
16. DOUBLE JOISTS SHALL BE LOCATED BENEATH ALL PARTITIONS WHEN THE LENGTH OF THE PARTITION EXCEEDS ONE HALF THE SPAN.
17. PROVIDE SIMPSON H2.5A HURRICANE CLIPS FASTENED TO THE OUTSIDE FACE OF THE DOUBLE TOP PLATE AT ALL RAFTER BEARING POINTS.

CONCRETE

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 301, ACI 318 AND ACI 302.
2. CEMENT SHALL COMPLY WITH ASTM C150, TYPE I OR II.
3. REINFORCING STEEL SHALL BE DEFORMED BILLET STEEL CONFORMING TO ASTM A615 GRADE 60. ALL REINFORCEMENT SPLICES SHALL BE A MINIMUM OF 40 BAR DIAMETERS.
4. CAST -IN-PLACE CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH Fe = 3000 PSI
5. PROVIDE 6.6-W1.4XW1.4 W.W.F. IN ALL SLAB-ON-GRADE. ALL WIRE FABRIC SHALL CONFORM TO ASTM A 185. ALL MESH EDGES SHALL LAP A MINIMUM OF TWO (2) SQUARES.
6. CONCRETE SLUMP SHALL ~ 4" ± 1".
7. MINIMUM CONCRETE COVER BETWEEN FACE OF REINFORCING BAR AND FACE OF CONCRETE SHALL BE AS FOLLOWS:
 7.1. CONCRETE CAST AGAINST EARTH = 3"
 7.2. FORMED CONCRETE EXPOSED TO WEATHER OR EARTH = 2"
8. ALL SLABS AND FOUNDATION WALLS EXPOSED TO WEATHER SHALL HAVE A MINIMUM AIR ENTRAINMENT OF 6% ± 1.5% PER ACI- 318 4.2.1.
9. PROVIDE CORNER BARS AT ALL WALL INTERSECTIONS WITH SIZE AND SPACING TO MATCH HORIZONTAL WALL REINFORCEMENT.
10. PROVIDE KEYED JOINTS BETWEEN ALL NON-MONOLITHIC INTERSECTING CONCRETE WALLS AND AT ALL CONCRETE JOINTS.
11. PROVIDE AN 8-MIL VAPOR BARRIER OVER A 4-INCH LAYER OF GRAVEL BENEATH ALL SLAB-ON-GRADE.
12. PROVIDE 1/2-INCH DIAMETER ANCHOR BOLTS AT A MAXIMUM OF 6'-0' ON CENTER AT ALL WOOD SILL PLATES. PROVIDE AT LEAST (2) ANCHOR BOLTS PER PLATE SECTION WITH ONE BOLT LOCATED AT NOT MORE THAN 12-INCHES FROM EACH END. BOLTS SHALL EMBED AT LEAST 7-INCHES INTO MASONRY OR CONCRETE. NUTS AND PLATE WASHERS (1/8"x2"x2') SHALL BE TIGHTENED ONTO EACH BOLT.



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REVISIONS

PROJECT No.
 DATE: March 10, 2021
 SCALE: AS SHOWN

COVERSHEET
 & NOTES

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