

Sheet List - Elevation A

Sheet Number	Sheet Name
A-Pg1	Front & Rear Elevations
A-Pg2	Side Elevations
A-Pg3	Basement Floor Plan
A-Pg4	1st Floor Plan
A-Pg5	2nd Floor Plan
A-Pg6	Roof Plan
Pg7	Building Section
Structural Pages by Stonewall Engineering	



① Front - Elev A
1/8" = 1'-0"



② Rear - Elev A
1/8" = 1'-0"

Area Schedule
(Elevation A)

Name	Area
Heated	
1st Floor	783 SF
2nd Floor	1160 SF
	1943 SF
Unheated	
Basement	763 SF
Covered Porch	37 SF
Garage	394 SF
	1194 SF
Under Roof	3137 SF

Stanley - Elevation A

Front & Rear Elevations



3015 Jefferson Davis Hwy, Sanford, NC 27332

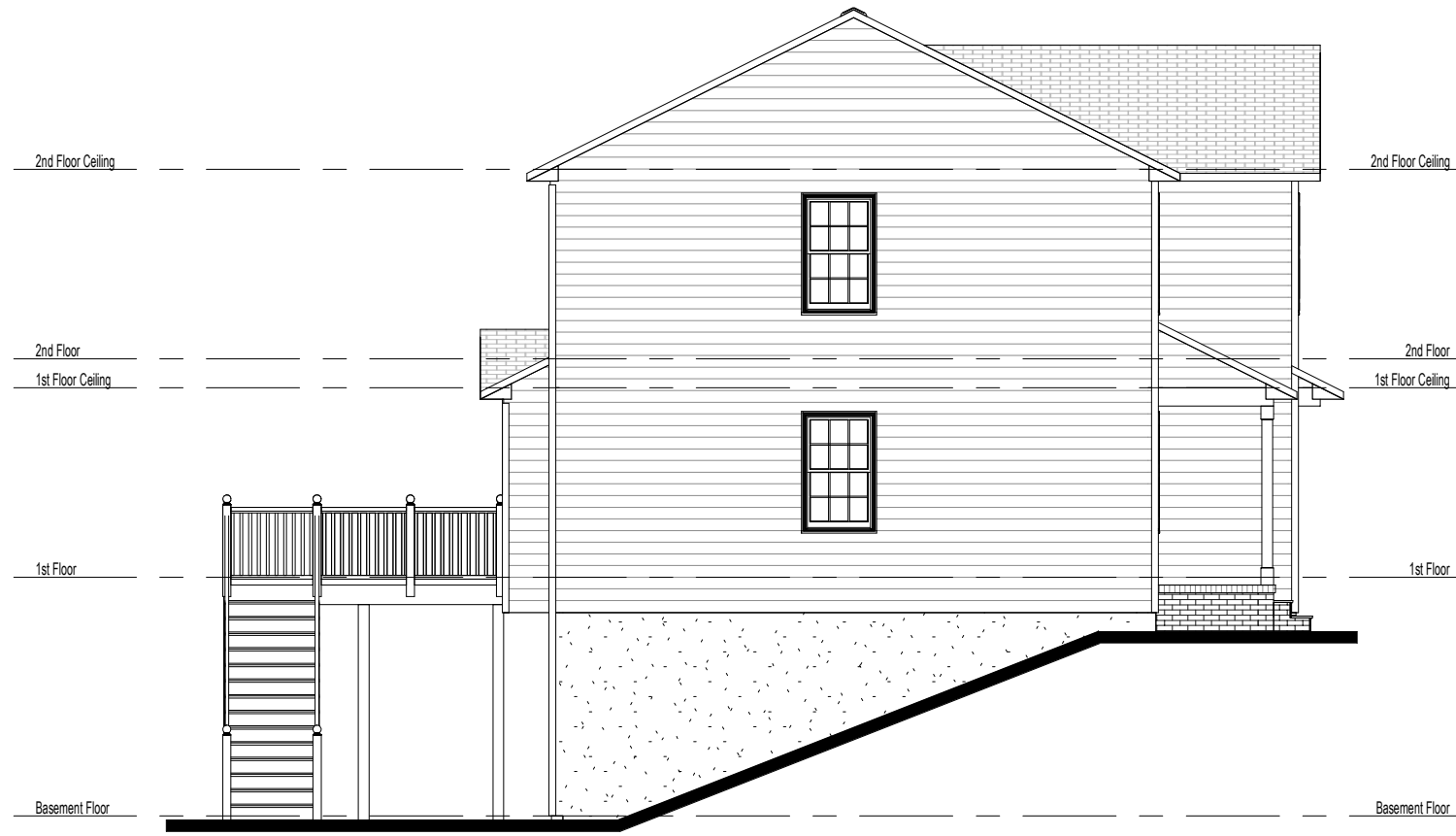
Job #: 09-2020-020

Address: 2493 Hillmon Grove Rd.
Cameron, NC
County: Harnett County

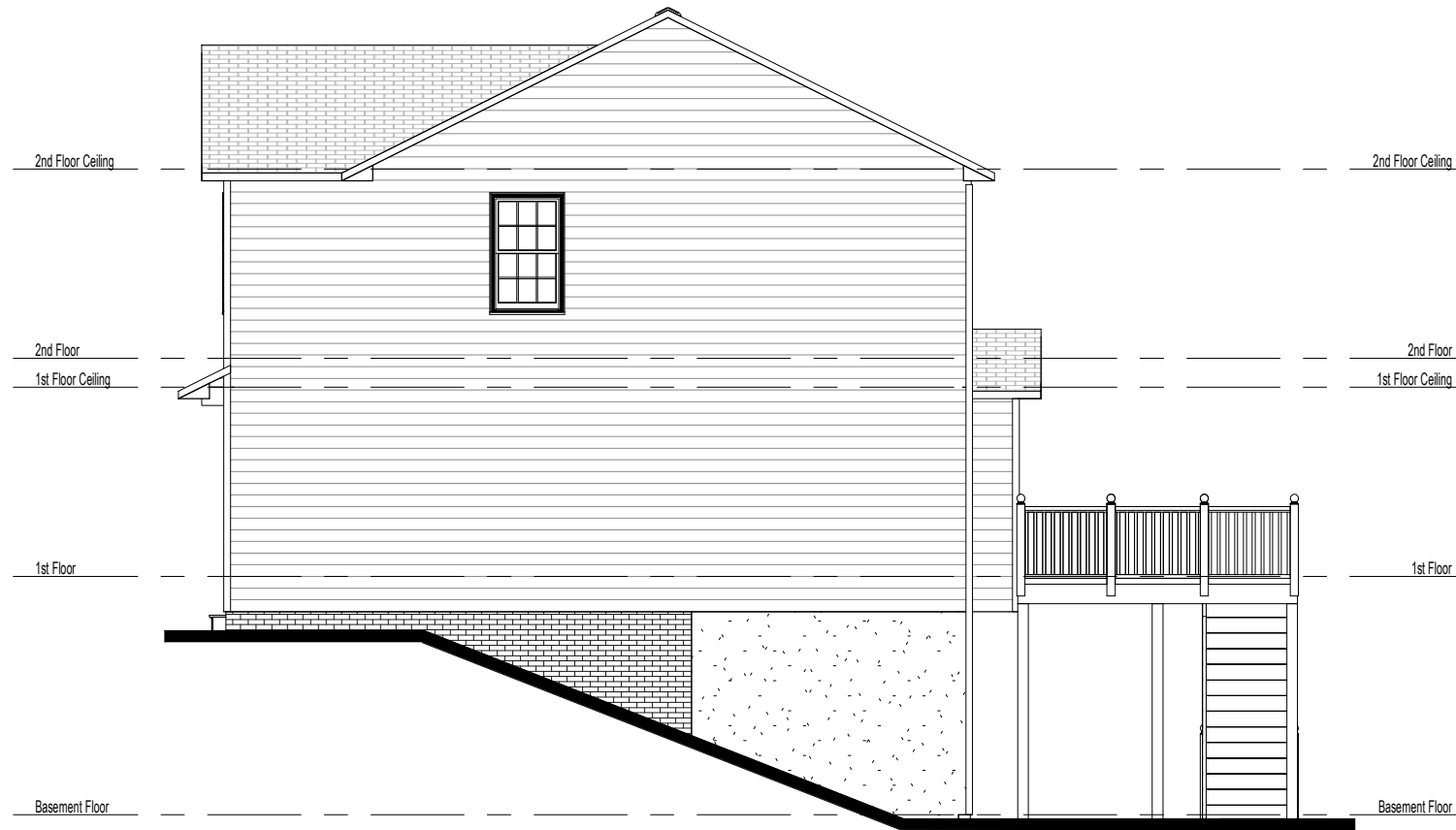
Plan Version Date:
4/6/20

Job Version Date:
5/4/20

Sheet #:
A-Pg1



① Left - Elev A
1/8" = 1'-0"



② Right - Elev A
1/8" = 1'-0"

Stanley - Elevation A

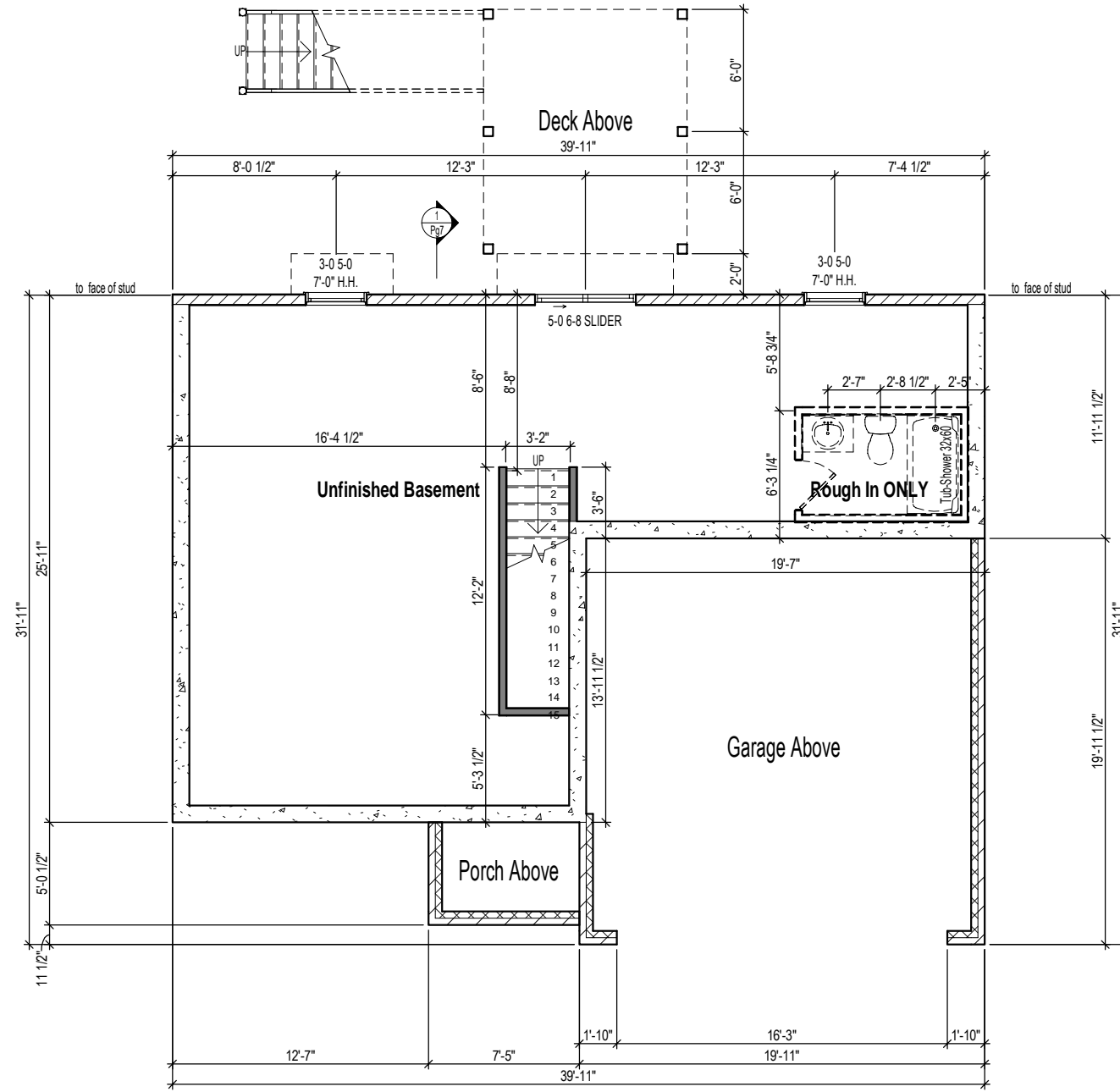
Side Elevations

Job #: 09-2020-020
 Address: 2493 Hillmon Grove Rd.
 Cameron, NC
 County: Harnett County

Plan Version Date:
4/6/20

Job Version Date:
5/4/20

Sheet #:
A-Pg2



- EXTERIOR DIMENSIONS ARE TO FACE OF SHEATHING
- INTERIOR DIMENSIONS ARE TO FACE OF STUD
- FOUNDATION DIMENSIONS ARE TO FACE OF STUD, SHEATHING WILL OVERHANG THE FOUNDATION

1 Basement Floor - Elev A
 1/8" = 1'-0"

Stanley - Elevation A

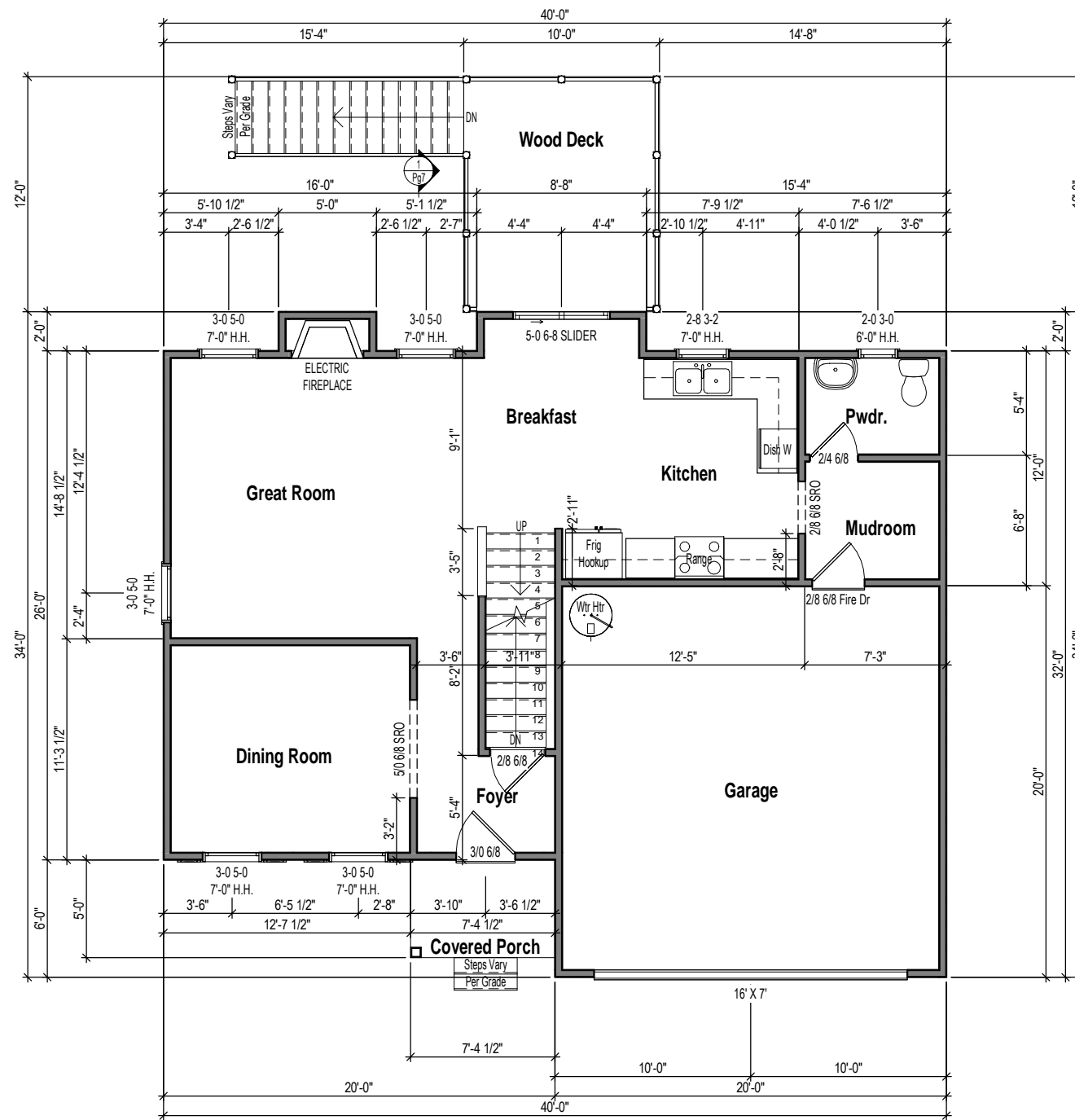
Basement Floor Plan

Job #: 09-2020-020
 Address: 2493 Hillmon Grove Rd.
 Cameron, NC
 County: Harnett County

Plan Version Date:
 4/6/20

Job Version Date:
 5/4/20

Sheet #:
 A-Pg3



1 1st Floor Plan - Elev A
 1/8" = 1'-0"



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Stanley - Elevation A

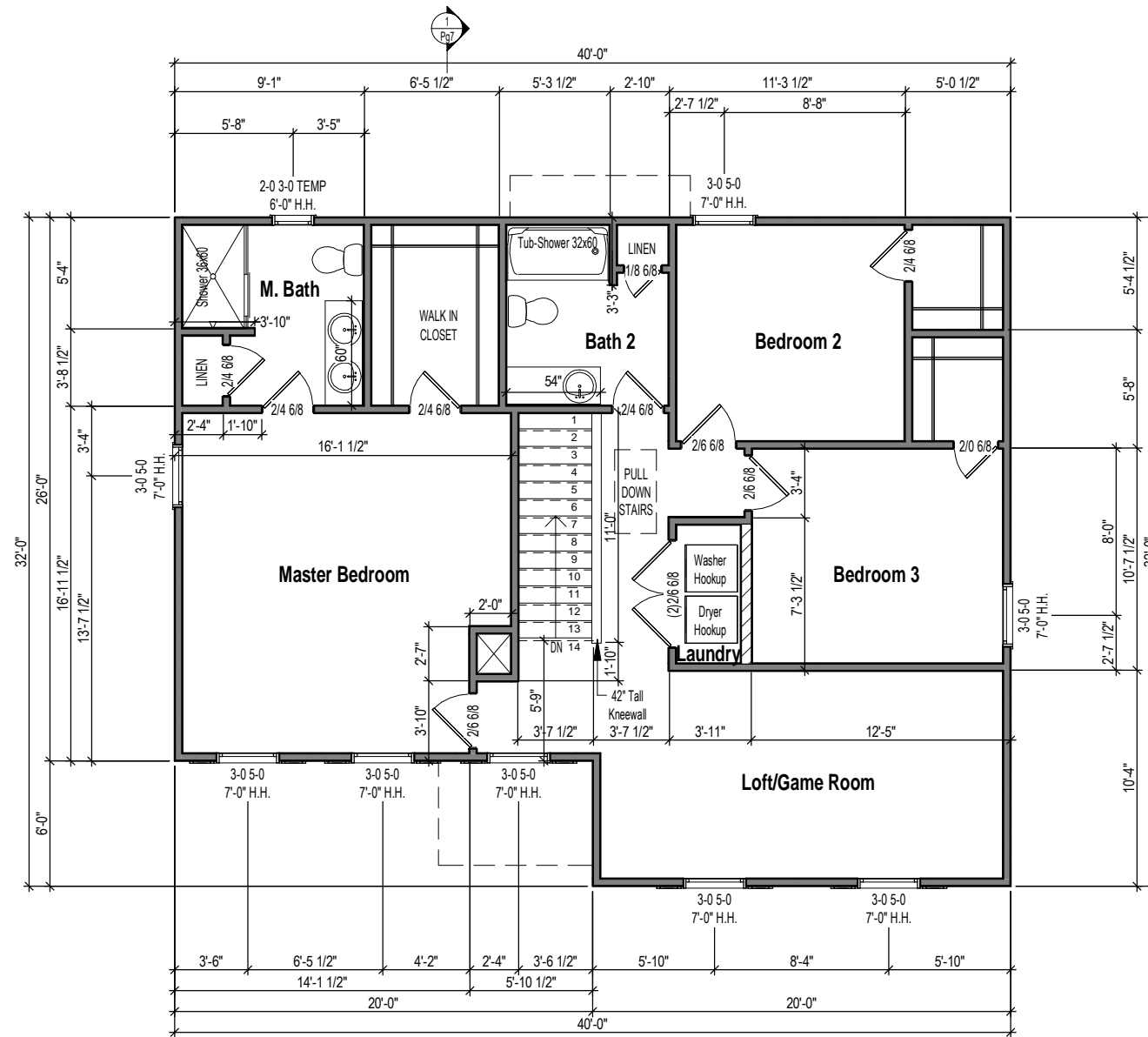
1st Floor Plan

Job #: 09-2020-020
 Address: 2493 Hillmon Grove Rd.
 Cameron, NC
 County: Harnett County

Plan Version Date:
 4/6/20

Job Version Date:
 5/4/20

Sheet #:
 A-Pg4



- EXTERIOR DIMENSIONS ARE TO FACE OF SHEATHING
- INTERIOR DIMENSIONS ARE TO FACE OF STUD
- FOUNDATION DIMENSIONS ARE TO FACE OF STUD, SHEATHING WILL OVERHANG THE FOUNDATION

1 2nd Floor Plan - Elev A
1/8" = 1'-0"

Stanley - Elevation A

2nd Floor Plan

Job #: 09-2020-020
Address: 2493 Hillmon Grove Rd.
Cameron, NC
County: Harnett County

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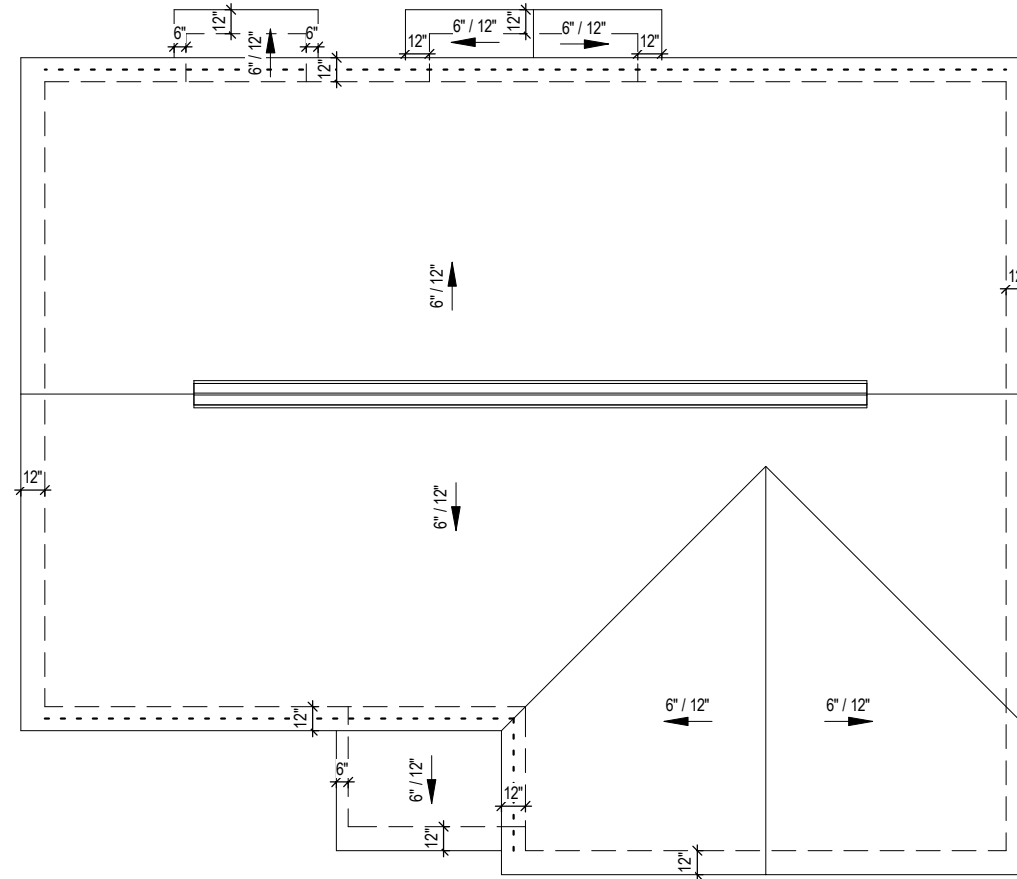
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Sheet #:
A-Pg5

Attic Ventilation Calcs 1/300 (sq.in.)

Name	Area	Ventilation Required (sq.in.)	Max Upper (sq.in.)	Min Upper (sq.in.)	Upper Ventilation (sq.in.)	Lower Ventilation (sq.in.)	Total Ventilation (sq.in.)	Ridge Vent (ln.ft.)	Roof Vents (ea)	Soffit Vents (sq.ft.)
Main Roof	1160 SF	557	445	278	420	420	840	28	0	70

- CALCS BASED ON THE FOLLOWING VALUES**
- Ridge Vents = 15 in² of net free area per linear foot
 - Roof Vents = 50 in² of net free area per unit
 - Soffit Vents = 6 in² of net free area per square foot



1 Roof Plan - Elev A
1/8" = 1'-0"



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Stanley - Elevation A

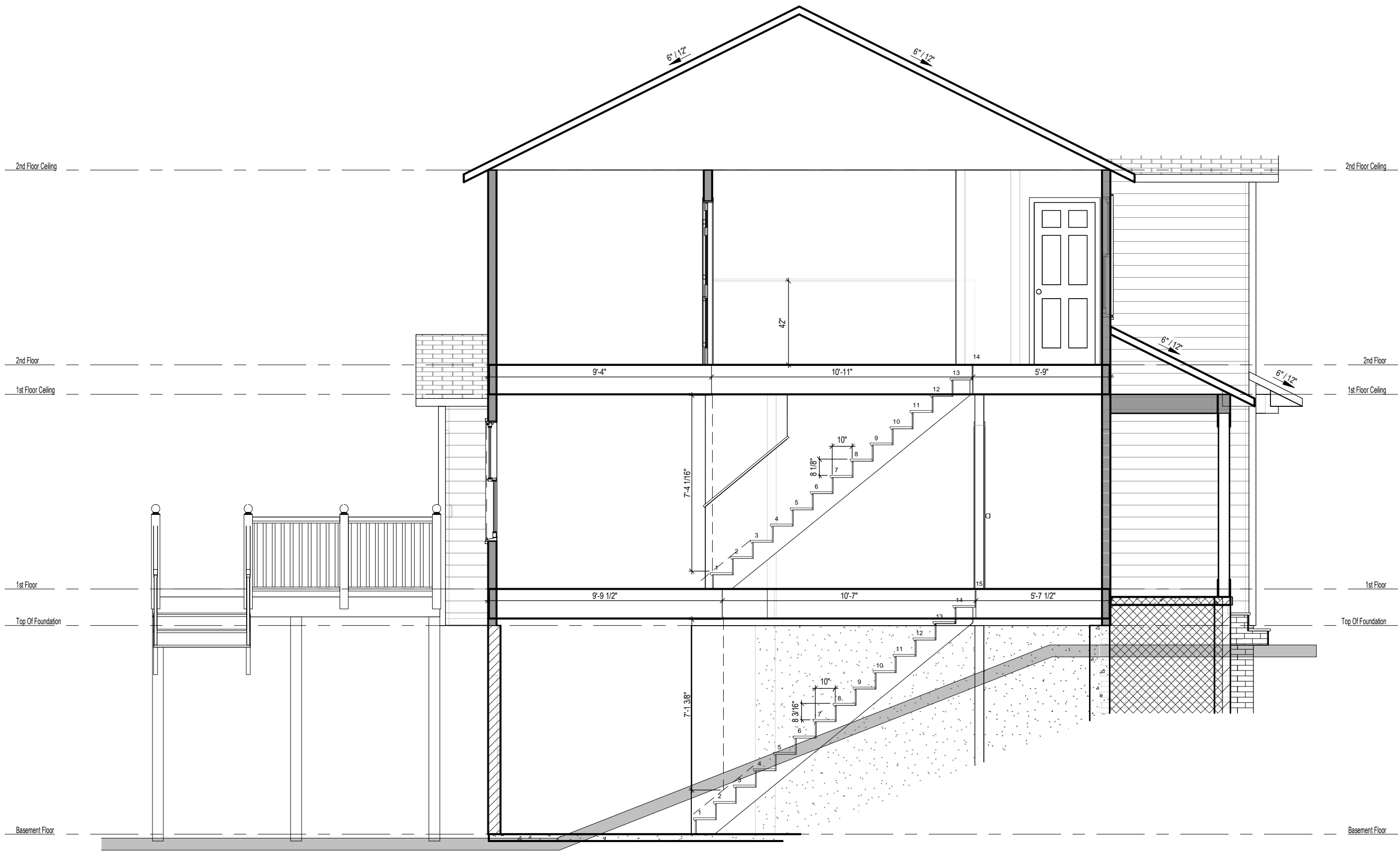
Roof Plan

Job #: 09-2020-020
Address: 2493 Hillmon Grove Rd.
Cameron, NC
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5/4/20

Sheet #:
A-Pg6



1 Building Section
 1/4" = 1'-0"



3015 Jefferson Davis Hwy, Sanford, NC 27332

Stanley - Elevation A

Building Section

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 Address: 2493 Hillmon Grove Rd.
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 5/4/20

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 Pg7

GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK AND THE DESIGNER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES. IN NO CASE SHALL DIMENSIONS BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON THESE DRAWINGS.
2. ALL OMISSIONS AND CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.
3. NO STRUCTURAL MEMBER SHALL BE CUT FOR PIPES, DUCTS, ETC., UNLESS NOTED.
4. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF EXISTING UTILITY SERVICES IN THE AREA TO BE EXCAVATED PRIOR TO BEGINNING OF EXCAVATION.
5. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE 2018 EDITION OF THE "NORTH CAROLINA RESIDENTIAL BUILDING CODE". ALL REFERENCES TO "XXXX.XX" INDICATE THE APPLICABLE SECTION OF CODE.
6. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, AND SUPPORT NECESSARY TO ACHIEVE THE FINISHED STRUCTURE.

FOUNDATION NOTES:

- | | | |
|----------------------------------|---------------------|-----|
| 1. MAXIMUM DESIGN SOIL PRESSURE: | CODE MINIMUM: 2,000 | PSF |
| CONTINUOUS FOOTINGS: | 2,000 | PSF |
| PAD FOOTINGS: | 2,000 | PSF |
2. SEE SOILS REPORT BY: N/A
 - PROJECT NO.: _____
 - DATED: _____
 3. ALL FOOTINGS TO BE A MINIMUM OF: 12" BELOW NATURAL GRADE
12" BELOW FINISH GRADE
 4. SOILS COMPACTION AND SITE PREPARATION TO BE IN ACCORDANCE WITH SOILS REPORT (AS APPLICABLE). IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SOIL BEARING CAPACITY.
 5. FINISH EXCAVATION FOR FOUNDATION SHALL BE NEAT AND TRUE TO LINE WITH LOOSE MATERIAL REMOVED FROM EXCAVATION.
 6. THE FOOTING EXCAVATIONS SHALL BE KEPT FREE FROM LOOSE MATERIAL AND STANDING WATER AND, BEFORE ANY FOOTING CONCRETE IS PLACED, SHALL BE CHECKED AND APPROVED BY CONTRACTOR FOR COMPLIANCE WITH THE REQUIREMENTS.
 7. SIDE OF FOUNDATION MAY BE POURED AGAINST STABLE EARTH (U.O.N.).
 8. CONTRACTOR SHALL PROTECT ALL UTILITY LINES, ETC., ENCOUNTERED DURING EXCAVATION AND BACKFILLING.
 9. CONTRACTOR TO BRACE OR PROTECT ALL RETAINING WALLS FROM LATERAL LOADS UNTIL SUPPORTING FLOORS, WALLS AND/OR SLABS ARE COMPLETELY IN PLACE AND HAVE BEEN SHEATHED PER PLAN OR ATTAINED FULL STRENGTH.
 10. FOOTING BACKFILL AND UTILITY TRENCH BACKFILL WITHIN BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN LAYERS TO THE APPROVAL OF THE GEOTECHNICAL ENGINEER, AS APPLICABLE. FLOODING WILL NOT BE PERMITTED.
 11. ALL SILL PLATES SHALL BE TREATED SYP W/ 1/2" x A/B x 12" x 6' O.C. (U.O.N. ON PLANS) W/ 3/16"x2"x2" PLATE WASHERS.
 12. ALL CONCRETE AND MASONRY FOUNDATION WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE W/ NC RESIDENTIAL BUILDING CODE R404, ACI 318, ACI, 332, NCMA TR68-A, OR ACE 530/ASCE5/TMS 402. FOUNDATION WALLS MAY BE STEPPED AND FRAMED W/ 2x6 @ 16" O.C. KNEE WALLS WHERE GRADE PERMITS.

PREFABRICATED WOOD TRUSSES AND WOOD JOIST NOTES:

1. PREFABRICATED WOOD TRUSSES (BY OTHERS) SHALL BE GANG NAILED TRUSSES. PREFABRICATED WOOD JOISTS SHALL BE DESIGNED BY OTHERS.
2. ALL TRUSSES/JOISTS SUPPORTING MECHANICAL EQUIPMENT SHALL BE PROPERLY DESIGNED BY TRUSS AND/OR JOIST MANUFACTURER.
3. WOOD TRUSSES AND/OR JOIST SHALL BE DESIGNED FOR THE FOLLOWING LOADS:

ROOF:	FLOORS:
D.L. = 16 PSF	D.L. = 15 PSF
*L.L. = 20 PSF	*L.L. = 40 PSF

*LIVE LOADS REDUCIBLE PER CODE (U.O.N.). CONSIDERATION SHOULD BE TAKEN FOR ADDITIONAL LOADS DUE TO MECHANICAL UNITS, PARTITIONS, TILE/STONE FINISHES, ETC.
4. TIE ROOF TRUSSES TO EXTERIOR TOP PLATES, PERIMETER BEAMS, AND ALL INTERIOR BEARING POINTS WHERE UPLIFT IS INDICATED ON TRUSS PROFILE DRAWINGS (BY OTHERS) USING PROPER SIMPSON TIE-DOWNS (U.O.N.).

CONCRETE NOTES:

1. CONCRETE IN ALL WORK SHALL HAVE 3,000 PSI ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS. FOOTINGS AND OTHER CONCRETE NOT EXPOSED TO WEATHER MAY HAVE 2500 PSI 28-DAY COMPRESSIVE STRENGTH.
2. CEMENT SHALL CONFORM TO ASTM C-150, TYPE I OR TYPE II.
3. AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C-33. AGGREGATE FOR SHOTCRETE/GUNITITE SHALL NOT EXCEED 3/4".
4. READY MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C-94-01.
5. ADMIXTURES MAY BE USED WITH THE PRIOR APPROVAL OF THE ENGINEER. ADMIXTURE (COMPLYING WITH ASTM A494) USED TO INCREASE THE WORKABILITY OF THE CONCRETE SHALL NOT BE CONSIDERED TO REDUCE THE SPECIFIED MINIMUM CEMENT CONTENT (CALCIUM CHLORIDE SHALL NOT BE USED).
6. WATER SHALL BE CLEAN, FREE FROM DELETERIOUS AMOUNT OF ACIDS, ALKALIS, OR ORGANIC MATERIALS.
7. SLUMPS: THE MAXIMUM SLUMP SHALL NOT EXCEED 5". DURING TEMPERATURES ABOVE 80°F, MAXIMUM OF 6" SLUMP IS PERMISSIBLE PROVIDED THE MIX DESIGN IS REVISED ACCORDINGLY BY THE TESTING LABORATORY, AS APPLICABLE. MEASURE SLUMP IN ACCORDANCE WITH METHOD OF TEST FOR SLUMP OF PORTLAND CEMENT CONCRETE ASTM C143.
8. IF APPLICABLE, 3/4" DEEP CONTROL JOINTS ARE TO BE SAWCUT TO SUBDIVIDE ALL FLOOR SLABS ON GRADE INTO APPROXIMATELY SQUARE AREAS OF 400 SQ FT OR LESS. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING OR ADDING CONTROL JOINTS AS NECESSARY.

REINFORCING STEEL NOTES:

1. STEEL REINFORCEMENT SHALL BE: GR 40 = #4 & SMALLER
ASTM A615 GR. 60 = #5 & LARGER
ASTM A185 = WELDED WIRE FABRIC
2. REINFORCING DETAILING AND PLACING SHALL BE IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE" LATEST EDITION.
3. ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS, AND INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
4. REINFORCING STEEL SHALL BE PROVIDED WITH THE FOLLOWING AMOUNTS OF CONCRETE COVER:
FOOTINGS (CONC. DEPOSITED AGAINST EARTH).....3"
CONC. SURFACE (FORMED) EXPOSED TO EARTH OR WEATHER
#6 THROUGH #8 BARS:.....2"
#5 & SMALLER:.....1 1/2"
CONC. NOT EXPOSED TO EARTH OR WEATHER:
SLABS, WALLS & JOIST:
#4 & #8 BARS:.....1 1/2"
#1 BAR & SMALLER:.....3/4"
BEAMS, COLUMNS :
PRIMARY REINFORCEMENT TIES STIRRUPS, SPIRALS: 1 1/2"

MASONRY NOTES:

1. CONCRETE MASONRY WALLS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF Fm = 1,500 PSI. COMPRESSIVE STRENGTH OF MASONRY MUST BE VERIFIED BY PRISM TESTING PRIOR TO AND DURING CONSTRUCTION AS BE VERIFIED BY PRISM TESTING PRIOR TO AND DURING CONSTRUCTION AS INSPECTION IS SPECIFIED ON THE DRAWINGS.
2. CONCRETE MASONRY UNITS SHALL BE MINIMUM MEDIUM WEIGHT UNITS CONFORMING TO ACI 530/ASCE 5/TMS 402, WITH MAX LINEAR SHRINKAGE OF 0.06% (1900 PSI MINIMUM).
3. MORTAR SHALL BE TYPE "M" OR "S", CONFORMING TO IRC SECTION R601 AND TO ASTM C270.
4. ALL GROUT SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS. GROUT SHALL BE PROPORTIONED PER IRC TABLE R601.1 AND WITH SUFFICIENT WATER FOR POURING WITHOUT SEGREGATION OF GROUT CONSTITUENTS.
5. ALL CELLS CONTAINING REINFORCING STEEL OR EMBEDDED ITEMS AND ALL CELLS IN RETAINING WALLS AND WALLS BELOW GRADE SHALL BE SOLID GROUTED UNLESS OTHERWISE NOTED ON PLANS.
6. ALL HORIZONTAL REINFORCEMENT SHALL BE PLACED IN BOND BEAM OR LINTEL BEAM UNITS.
7. WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE GROUT FOUR 1/2" BELOW TOP OF THE UPPERMOST UNIT.
8. ALL BOND BEAM BLOCK SHALL BE "DEEP CUT" UNITS.
9. PROVIDE INSPECTION AND CLEANOUT HOLES AT BASE OF VERTICAL CELLS HAVING GROUT LIFTS IN EXCESS OF 4'-0" OF HEIGHT.
10. ALL GROUT SHALL BE CONSOLIDATED WITH A MECHANICAL VIBRATOR.
11. ANCHOR BOLTS MUST BE SET WITH TEMPLATES AND HELD IN PLACE PRIOR TO GROUTING. PROVIDE AT LEAST ONE INCH OF GROUT BETWEEN ANCHOR BOLT AND MASONRY.
12. SPECIAL INSPECTION IS REQUIRED FOR Fm ≥ 1,500 PSI.

WOOD NOTES:

1. ALL WOOD FRAMING SHALL BE AS FOLLOWS (U.O.N.):
 - A. ROOF RAFTERS & CEILING JOISTS:
NO.1 / NO.2 SPRUCE PINE FIR (SPF) WITH THE FOLLOWING DESIGN PROPERTIES:
Fb = 875 PSI Fv = 135 PSI E = 1.4x10⁶ PSI
 - B. FLOOR JOISTS:
NO.2 SOUTHERN YELLOW PINE (SYP) WITH THE FOLLOWING DESIGN PROPERTIES:
Fb = 800 PSI Fv = 175 PSI E = 1.4x10⁶ PSI
2. WOOD GRADES (U.O.N.)

A. FOR HORIZONTAL MEMBERS:		
JOISTS & RAFTERS	GRADE:	NO. 2
BEAMS & STRINGERS	GRADE:	NO. 2 (U.O.N.)
FURLINS	GRADE:	NO. 1
SUB-FURLINS:		
2X4	GRADE:	NO. 1
2X6	GRADE:	NO. 2
LEDGERS & NAILERS	GRADE:	NO. 2
HEADERS	GRADE:	NO. 2 (U.O.N.)
B. FOR VERTICAL MEMBERS TOP & BOTTOM PLATES: MATCH VERTICAL MEMBERS, GRADE NO. 2 MIN (U.O.N.).		
4X POST	GRADE:	NO. 2
6X POST	GRADE:	NO. 1
STUDS:	GRADE:	STUD OR BETTER, 9'-0" MAX (U.O.N.)
3. FRAMING IN CONTACT WITH CONCRETE OR MASONRY, OR MEMBERS EXPOSED TO WEATHER SHALL BE NO. 2 SOUTHERN YELLOW PINE (SYP) TREATED IN ACCORDANCE WITH AWPA C22 WITH THE FOLLOWING DESIGN PROPERTIES:
Fb = 1,050 PSI Fv = 95 PSI E = 1.6x10⁶ PSI
SILL AND LEDGER BOLTS SHALL BE PLACED 12" MAX FROM THE ENDS AND NOTCHES AND SPACED AT 6' O.C. MAX, U.O.N. (2 BOLTS MIN/PIECE OF IE).
4. ALL PLYWOOD AND OSB SHALL BE CERTIFIED AS CONFORMING TO U.S. PRODUCTS STANDARD PS-2-92 BY A CERTIFICATION AGENCY APPROVED BY THE NATIONAL EVALUATION SERVICES INC. OR I.C.C.
5. ALL BOLT HEADS AND NUTS BEARING ON WOOD SHALL HAVE WASHERS. ALL BOLT HOLES IN WOOD SHALL BE DRILLED 1/16" MAXIMUM DIAMETER LARGER THAN THE NOMINAL BOLT DIAMETER.
6. PROVIDE JOIST(S) UNDER ALL PARALLEL NON-BEARING PARTITIONS PER DETAIL 16/82 (U.O.N.), AND SOLID BLOCKING UNDER ALL PERPENDICULAR NON-BEARING PARTITIONS.
7. ALL FRAMING ANCHORS, POST CAPS, COL. BASES, ETC. NOTED ARE MANUFACTURED BY 'SIMPSON' OR APPROVED EQUAL. OTHER HARDWARE COMPANIES (E.I. ACS, USF) MAY BE SUBSTITUTED PROVIDED ALL PRODUCTS HAVE A CURRENT ICC-ES REPORT AND EQUIVALENT LOAD CAPACITIES. USE COMMON NAILS AS SPECIFIED BY MANUFACTURER.
8. PLYWOOD FLOOR SHEATHING SHALL BE GLUED TO FLOOR JOISTS WITH ONE CONTINUOUS BEAD OF AN ADHESIVE COMPOUND CONFORMING TO ASTM D 3024 AND IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS.
9. CUTTING, NOTCHING OR DRILLING OF BEAMS OR JOISTS SHALL BE PERMITTED ONLY AS DETAILED OR APPROVED BY THE ENGINEER AND/OR PER R502.8 & R502.7.1
10. BOLTS IN WOOD SHALL NOT BE LESS THAN 1 DIAMETERS FROM THE END AND 4 DIAMETERS FROM THE EDGE OF THE MEMBER (U.O.N.).
11. MOISTURE CONTENT OF WOOD AT TIME OF PLACING SHALL NOT EXCEED 19%.
12. ALL NAILS SHALL BE COMMON NAILS (U.O.N.).
13. PROVIDE SOLID BLOCKING TO GIRDERS AND/OR FOUNDATION BENEATH POINT LOADS AS DENOTED BY: [X].
14. LOAD BEARING HEADERS SHALL CONFORM W/ TABLES R502.5(1) & (2) W/ (1) JACK STUD AND (1) KING STUD EACH END (U.O.N.). SECURE HEADERS TO EACH JACK STUD W/ (4) 8d NAILS. BEAM/HEADER SUPPORTS REQUIRING MORE THAN (1) JACK ARE DENOTED BY: [X]—2 (WHERE 2 JACKS ARE REQ'D, FOR EXAMPLE).
15. OVERFRAME ROOF W/ FLAT 2x10 PLATES W/ (2) 16d COMMON TO RAFTERS/TRUSSES AT FALSE VALLEYS.
16. ALL DECK FRAMING, BRACING, GUARDRAILS, AND ATTACHMENTS TO THE MAIN HOUSE STRUCTURE IS TO BE PER "APPENDIX M" OF THE NC RESIDENTIAL BUILDING CODE.

DESIGN PARAMETERS:

WIND LOADS: EXPOSURE B
115 MPH

ValueBuild Homes
09-2020-020 Clausen
2493 Hillmon Grove Road
Cameron, NC 28326

JOB #: 20-1363
SCALE: SEE PLAN
DRAWN BY: A.V.
DATE: 4-6-20

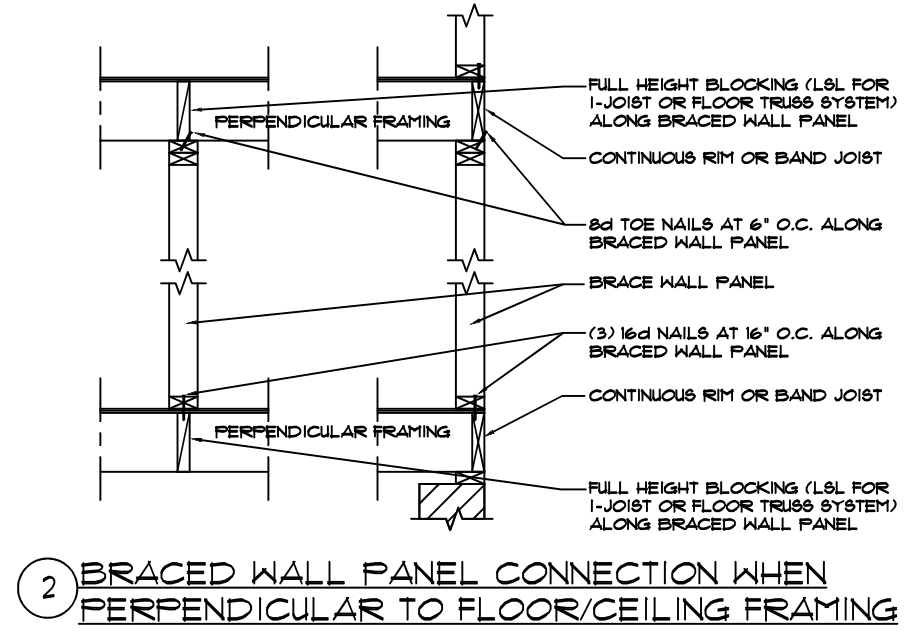
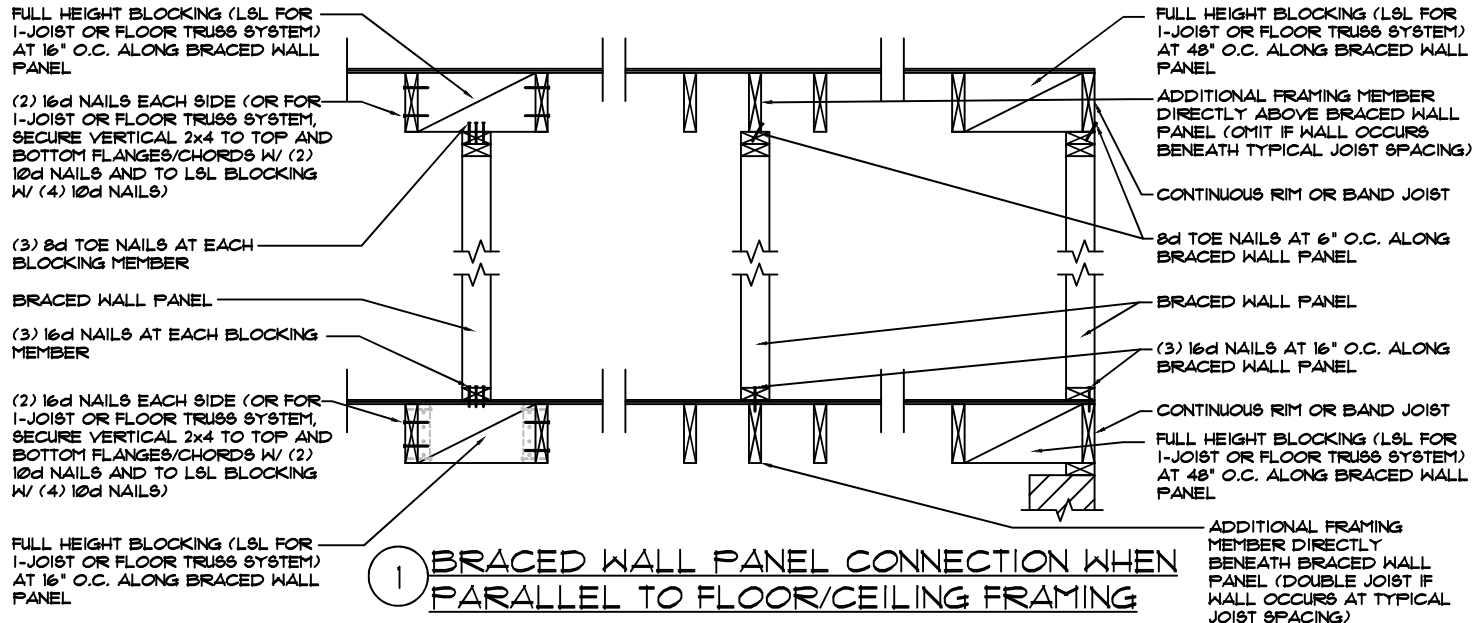
SHEET #: 5/1

STONEWALL
STRUCTURAL ENGINEERING

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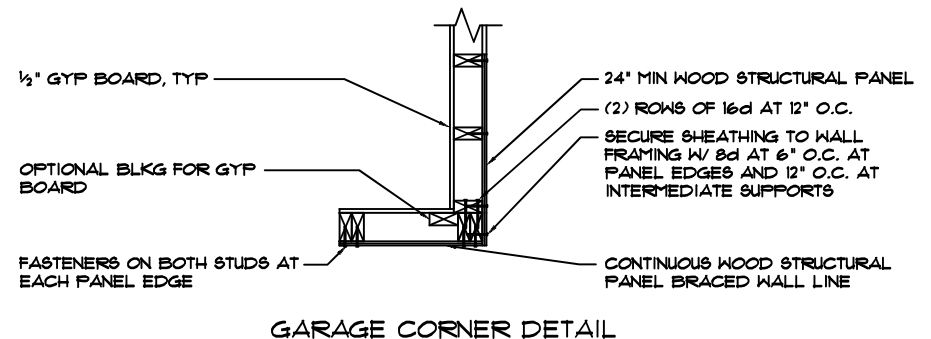
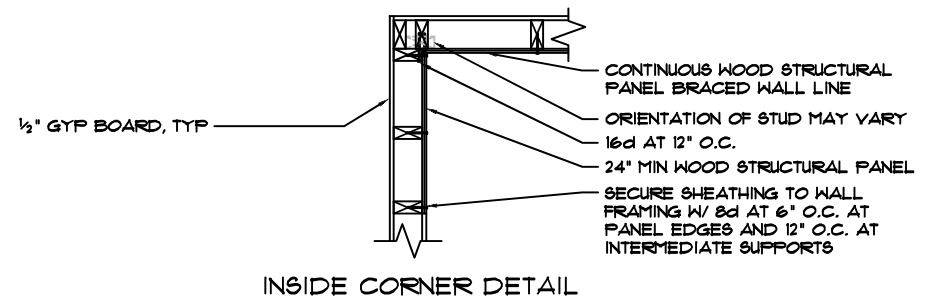
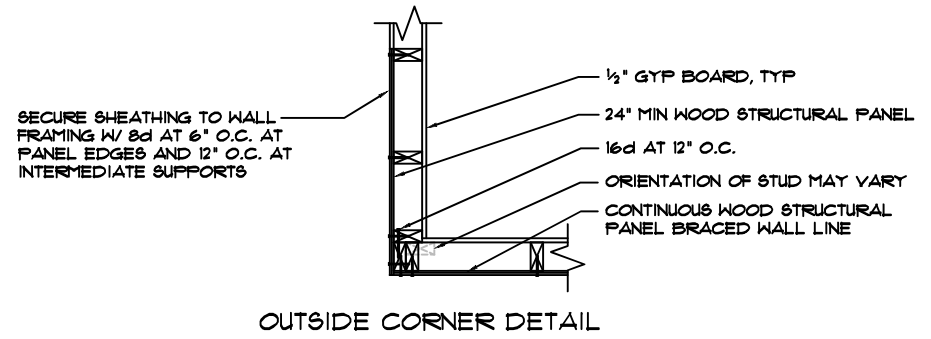
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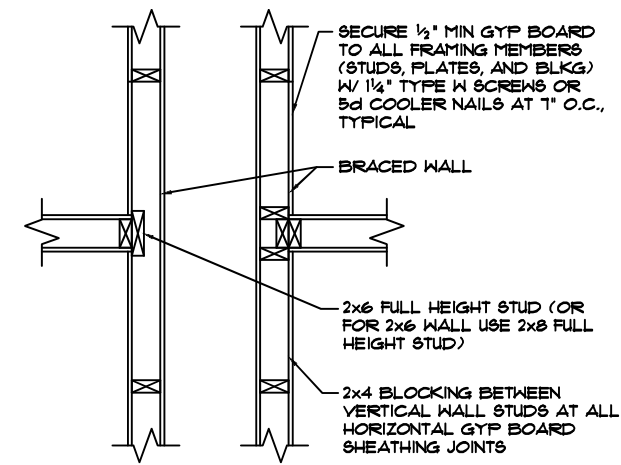


BRACED WALL PANEL SCHEDULE			
ABBREVIATION	METHOD	MATERIAL	FASTENERS / SPACING
LIB	LET-IN BRACING	1x4 WOOD OR SIMPSON C916 STRAP	WOOD: (2) 8d PER STUD INCLUDING TOP AND BOTTOM PLATES. STRAP: (1) STRAP EACH DIRECTION, (2) 10d NAILS PER STUD INCLUDING TOP AND BOTTOM PLATE, (20) NAILS MIN PER STRAP
WSP	WOOD STRUCTURAL PANEL	7/16" OSB/ PLYWOOD (U.O.N.)	6d OR 8d COMMON AT 6" O.C. AT PANEL EDGES AND 12" O.C. TO INTERMEDIATE SUPPORTS OR 16 GA. x P4" STAPLES AT 3" O.C. AT PANEL EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS
GB (1)	GYPSON BOARD (SHEATHING ON ONE FACE OF WALL)	1/2" GYPSON	1 1/2" GALV. ROOFING NAILS, 6d COMMON NAILS OR 1 1/4" TYPE W DRYWALL SCREWS AT 1" O.C. AT PANEL EDGES INCLUDING TOP AND BOTTOM PLATES AND INTERMEDIATE SUPPORTS (SEE DETAIL 4/8P2.0)
GB (2)	GYPSON BOARD (SHEATHING ON BOTH FACES OF WALL)	1/2" GYPSON	1 1/2" GALV. ROOFING NAILS, 6d COMMON NAILS OR 1 1/4" TYPE W DRYWALL SCREWS AT 1" O.C. AT PANEL EDGES INCLUDING TOP AND BOTTOM PLATES AND INTERMEDIATE SUPPORTS (SEE DETAIL 4/8P2.0)
GB (3)	GYPSON BOARD (SHEATHING ON BOTH FACES OF WALL)	1/2" GYPSON	1 1/2" GALV. ROOFING NAILS, 6d COMMON NAILS OR 1 1/4" TYPE W DRYWALL SCREWS AT 4" O.C. AT PANEL EDGES INCLUDING TOP AND BOTTOM PLATES AND INTERMEDIATE SUPPORTS (SEE DETAIL 4/8P2.0)
FF	PORTAL FRAME	7/16" OSB/ PLYWOOD (U.O.N.)	SEE METHOD FF ON PAGE 8P2.2
CS-WSP	CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANEL	7/16" OSB/ PLYWOOD (U.O.N.)	6d OR 8d COMMON AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS OR 16 GA. x P4" STAPLES AT 3" O.C. AT PANEL EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS
CS-WSP (1)	CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANEL	7/16" OSB/ PLYWOOD (U.O.N.)	6d OR 8d COMMON AT 4" O.C. AT PANEL EDGES AND 8" O.C. AT INTERMEDIATE SUPPORTS
CS-WSP (2)	CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANEL	7/16" OSB/ PLYWOOD (U.O.N.)	6d OR 8d COMMON AT 3" O.C. AT PANEL EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS

NOTES:
 1) ALL BRACED WALL PANELS SHALL HAVE 2x BLOCKING BETWEEN WALL STUDS AT ALL HORIZONTAL SHEET EDGES.
 2) PROVIDE NAILING/BLOCKING ABOVE AND BELOW ALL BRACED WALL PANELS PER DETAILS 1/8P2.0 AND 2/8P2.0
 3) ALL EXTERIOR WALLS OF THE ARE TO BE SHEATHED W/ 7/16" OSB OR 15/32" PLYWOOD W/ FASTENERS PER TABLE R602.3(1). INSTALL WALL CORNER SHEATHING PER DETAIL 3/8P2.0.
 4) INSTALL BRACED WALL PANELS PER THE 2018 EDITION OF THE NC RESIDENTIAL BUILDING CODE. PANEL LENGTHS SHOWN ON PLANS ARE MIN REQUIRED LENGTHS.
 5) ALL METHODS SHALL HAVE GYPSON BOARD (OR EQUIVALENT) INSTALLED AT THE INTERIOR FACE.



3 TYPICAL EXTERIOR CORNER FRAMING FOR CONTINUOUS SHEATHING



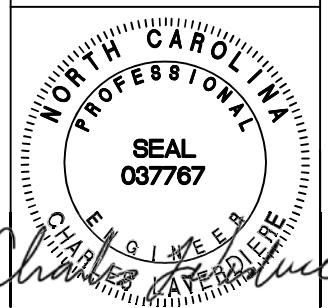
4 METHOD "GB" INTERSECTION DETAILS

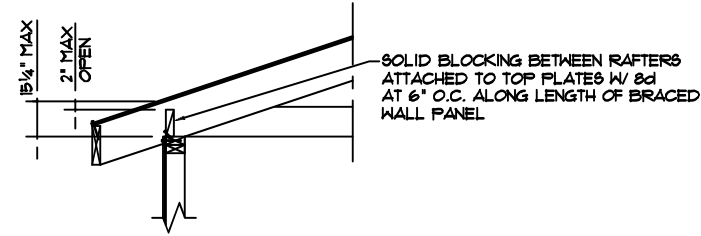
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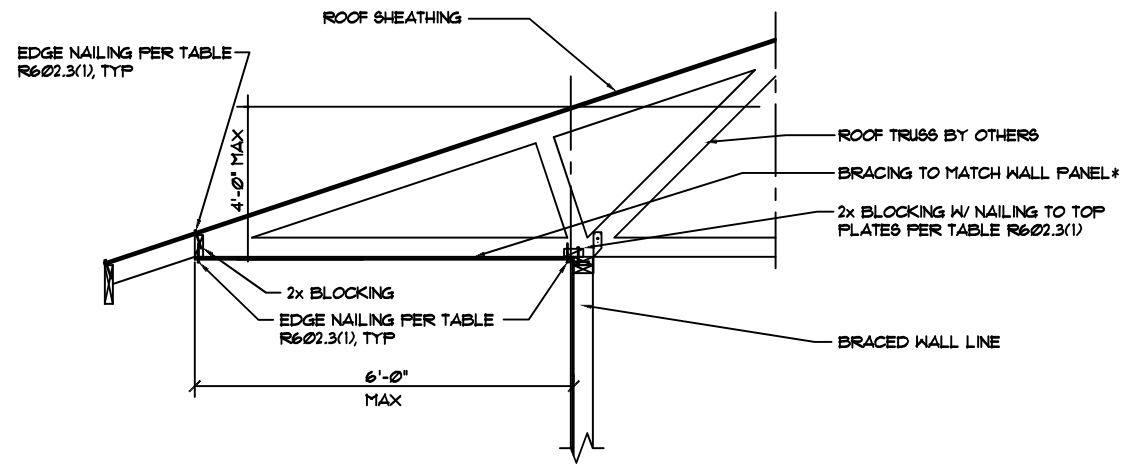
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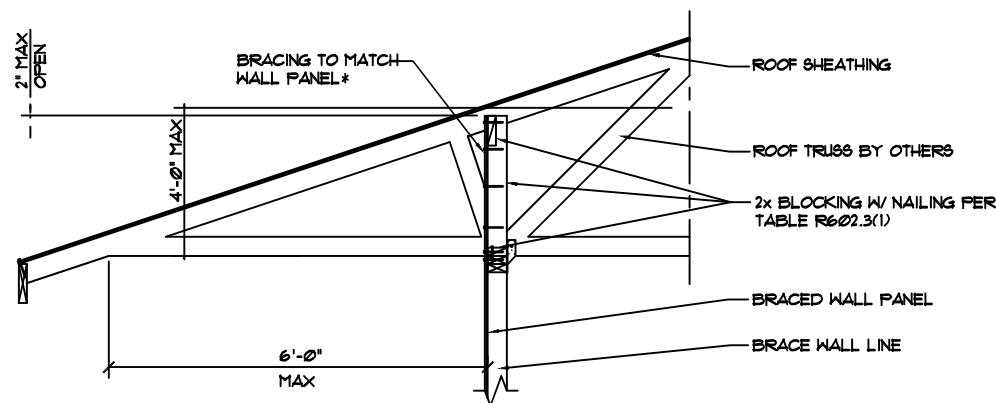


1 BRACED WALL PANEL CONNECTION TO PERPENDICULAR RAFTERS



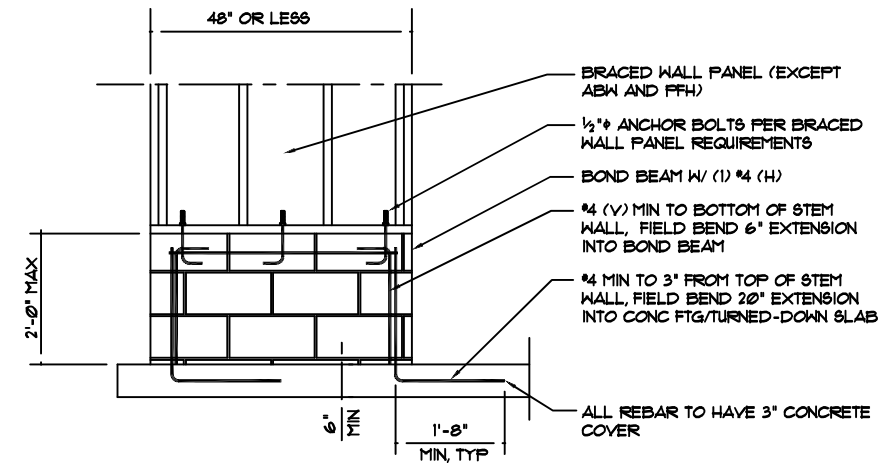
2 BRACED WALL PANEL CONNECTION OPTION TO PERPENDICULAR RAFTERS OR ROOF TRUSSES

*PROVIDE VENTING PER R806 (NOT SHOWN)

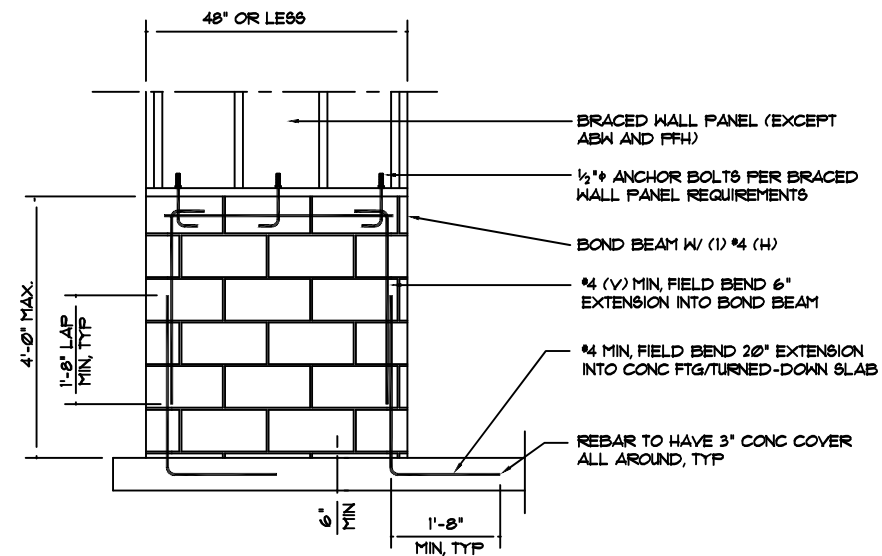


3 BRACED WALL PANEL CONNECTION OPTION TO PERPENDICULAR RAFTERS OR ROOF TRUSSES

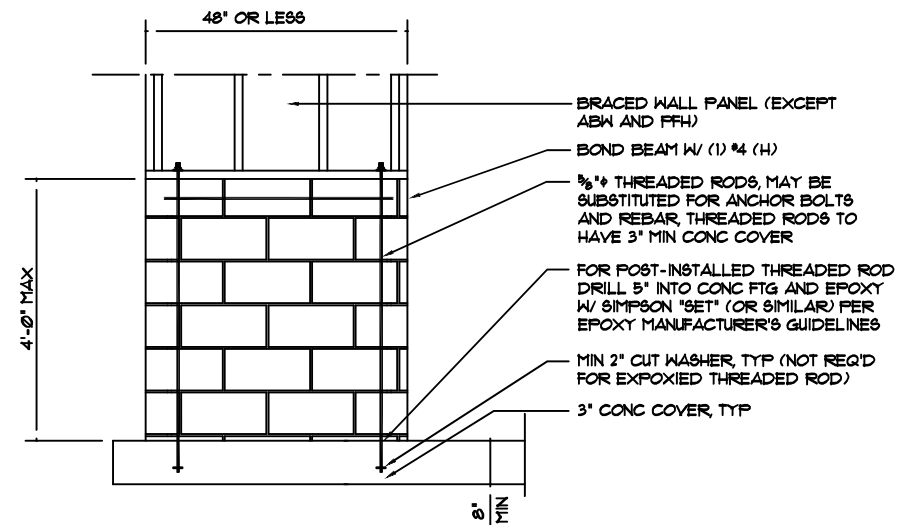
*PROVIDE VENTING PER R806 (NOT SHOWN)



SHORT STEM WALL REINFORCEMENT



TALL STEM WALL REINFORCEMENT



OPTIONAL STEM WALL REINFORCEMENT

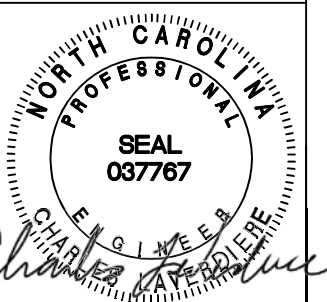
4 MASONRY STEM WALLS SUPPORTING BRACED WALL PANELS

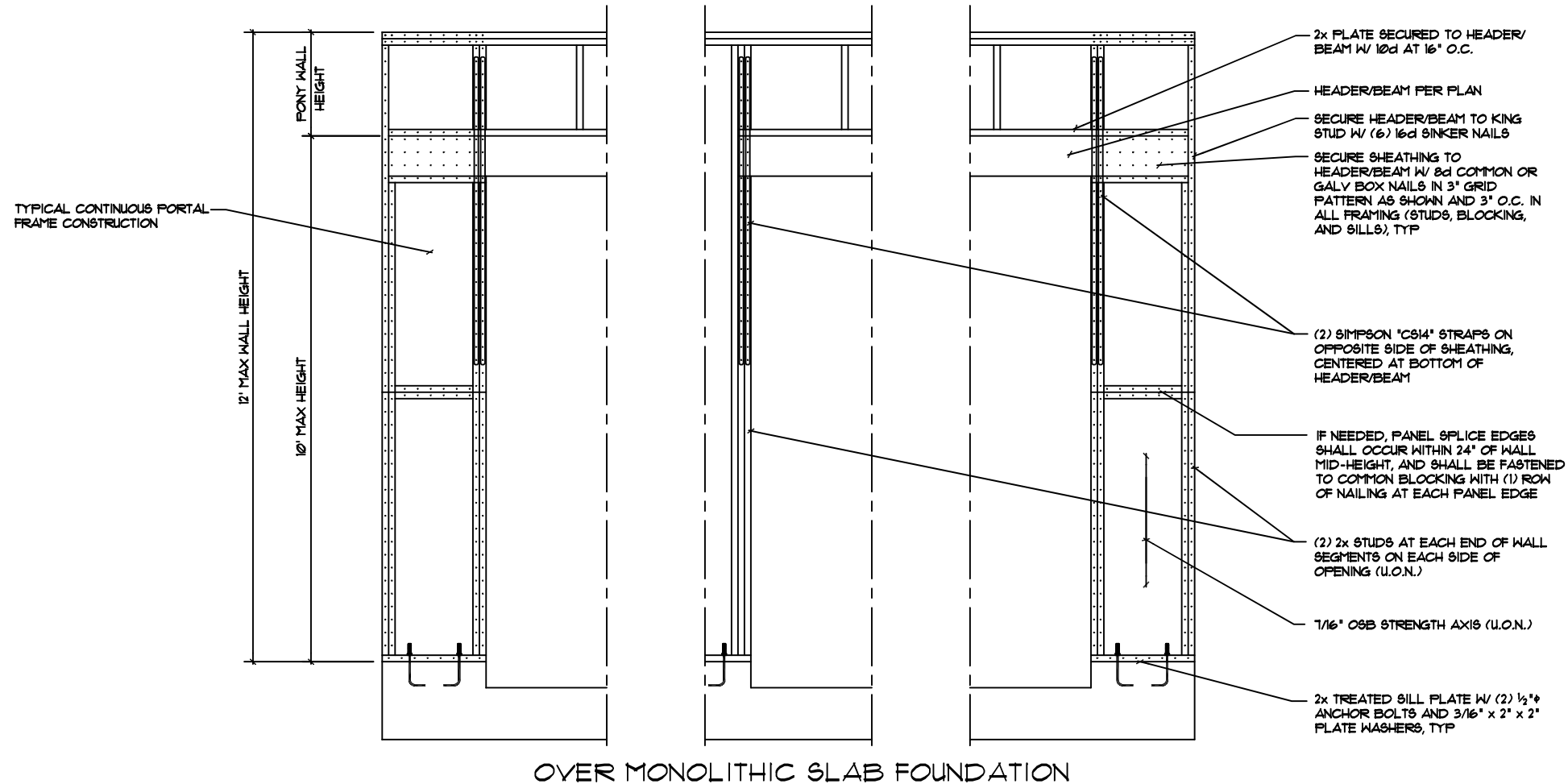
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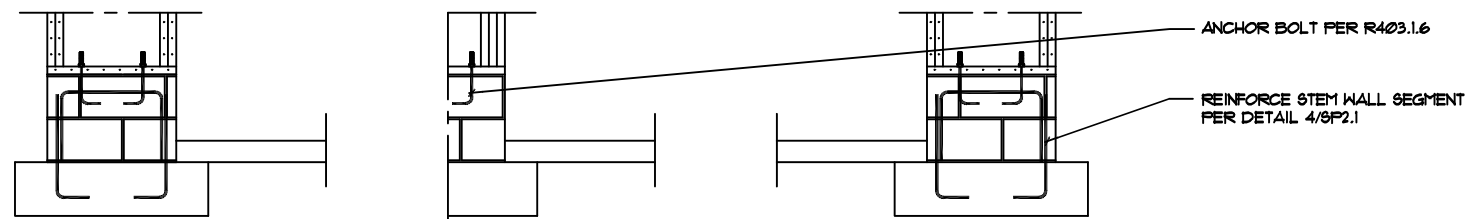


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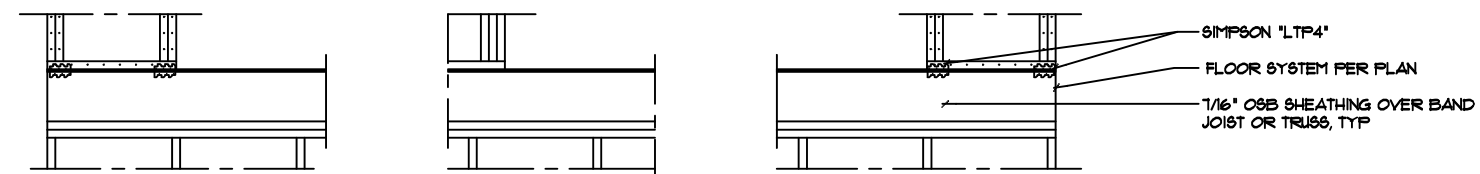




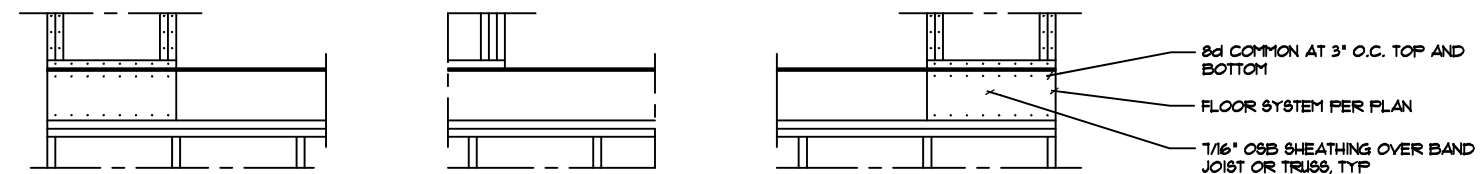
OVER MONOLITHIC SLAB FOUNDATION



OVER STEM WALL OR CRAWLSPACE FOUNDATION



OVER RAISED WOOD FLOOR OR SECOND FLOOR (FRAMING ANCHOR OPTION)



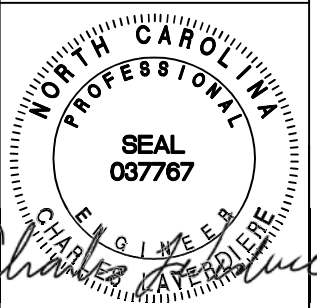
OVER RAISED WOOD FLOOR OR SECOND FLOOR (WOOD STRUCTURAL PANEL OPTION)

① METHOD PF: PORTAL FRAME PANEL CONSTRUCTION

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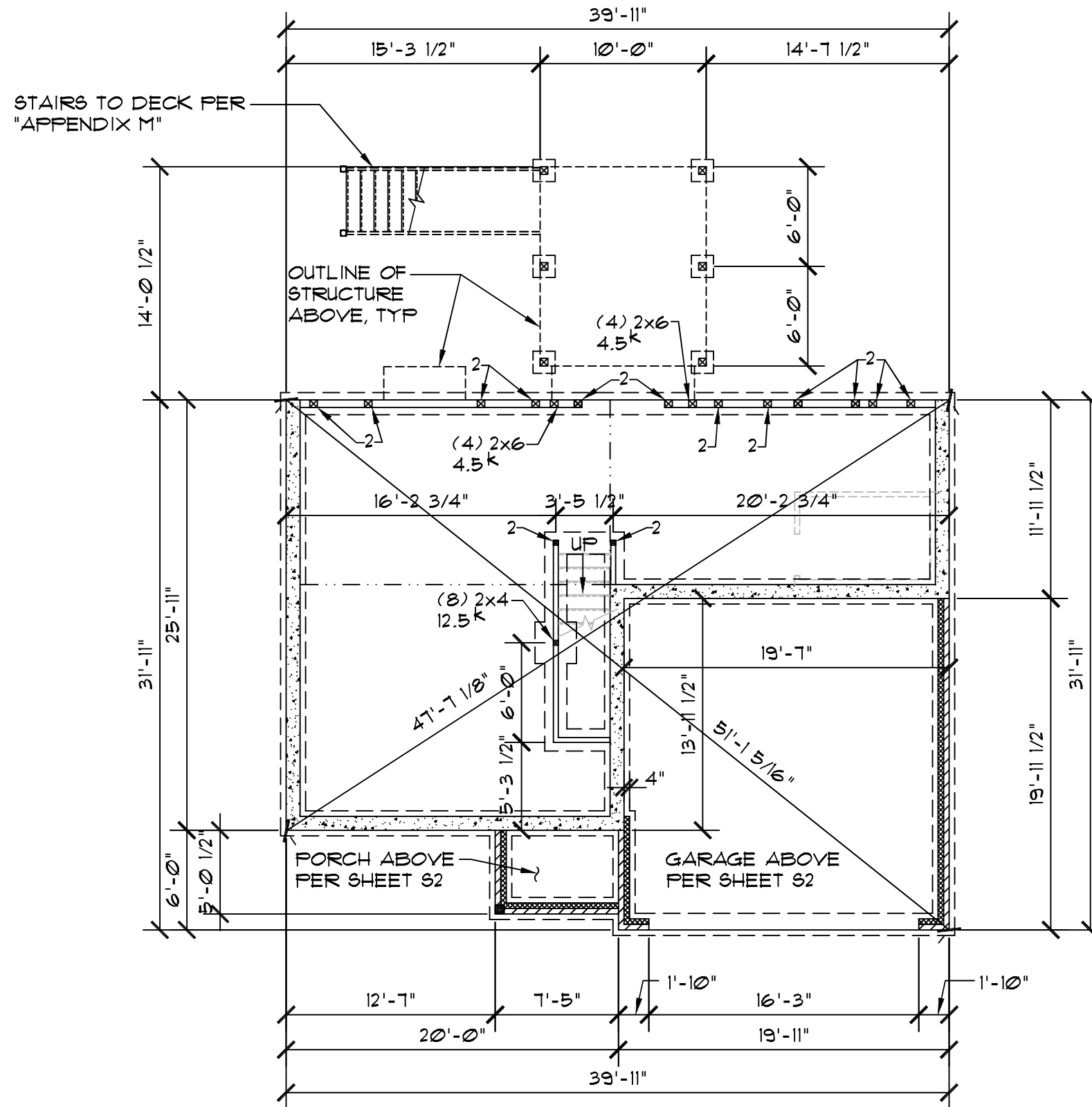


FOUNDATION NOTES:

1. ASSUMED SOIL BEARING CAPACITY IS 2,000 PSF. CONTRACTOR MUST CONTACT A SOILS ENGINEER IF UNSUITABLE SOILS ARE ENCOUNTERED.
2. ADEQUATE DRAINAGE SHALL BE PROVIDED FOR THE SURFACE AREA ADJACENT TO THE STRUCTURE SUCH THAT WATER DRAINS AWAY FROM STRUCTURE.
3. VERIFY ALL DIMENSIONS W/ FLOOR PLAN (BY OTHERS) PRIOR TO WORK.
4. FOUNDATION BY OTHERS, POINT LOADS GREATER THAN 2 kips NOTED ON PLAN.
5. FOR ADDITIONAL NOTES, SEE 'SP' SHEETS.

LEGEND:

- INDICATES SUPERIOR WALLS & FOOTING BY OTHERS
- INDICATES 2x6 @ 16" O.C. OFF STUD WALL (2x4 @ 16" O.C. INTERIOR WALLS)
- INDICATES 6x6 POST CENTERED OVER 16"x16"x8" THK POURED CONC FTG

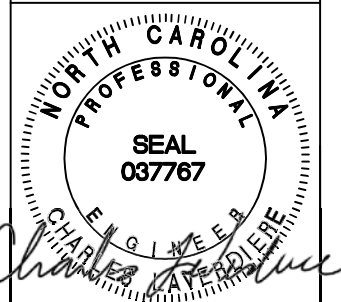


BASEMENT FOUNDATION PLAN

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



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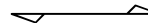

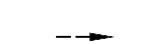
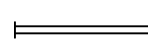
SCALE: SEE PLAN
 DRAWN BY: A.Y.
 DATE: 4-6-20

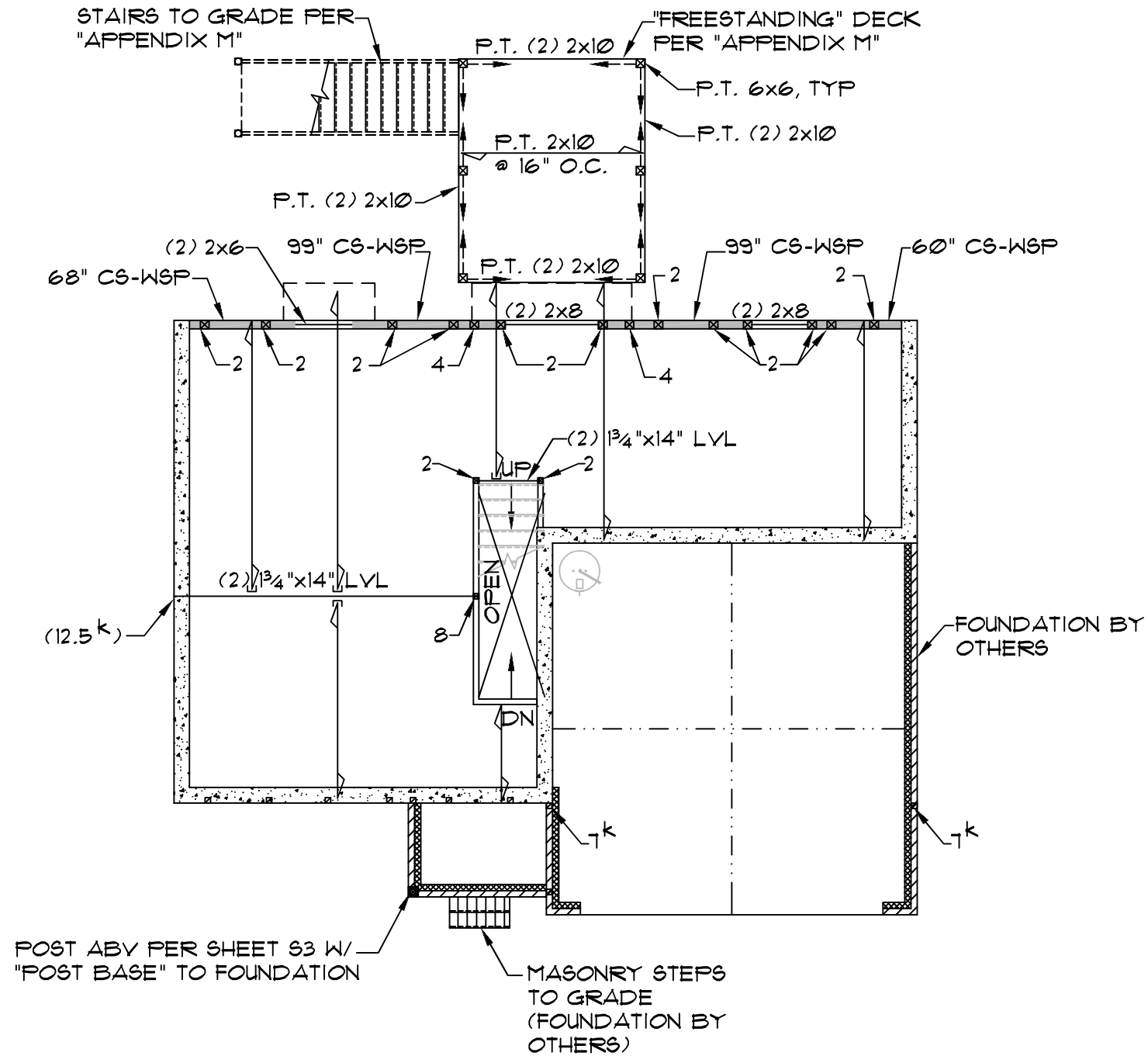
JOB #: 20-1363
 SHEET #: 51

FOUNDATION AND FIRST FLOOR FRAMING NOTES:

1. ASSUMED SOIL BEARING CAPACITY IS 2,000 PSF. CONTRACTOR MUST CONTACT A SOILS ENGINEER IF UNSUITABLE SOILS ARE ENCOUNTERED.
2. ADEQUATE DRAINAGE SHALL BE PROVIDED FOR THE SURFACE AREA ADJACENT TO THE STRUCTURE SUCH THAT WATER DRAINS AWAY FROM STRUCTURE.
3. VERIFY ALL DIMENSIONS W/ FLOOR PLAN (BY OTHERS) PRIOR TO WORK.
4. FOUNDATION DESIGN BY OTHERS
5. FLOOR SHEATHING IS TO BE 3/4" PLY T&G (48/24) CDX B.N. 4 E.N. 10d @ 6", F.N. 10d @ 12" (U.O.N.) ALTERNATE: 3/2" COARSE THREADED YELLOW ZINC FLATHEAD WOOD SCREWS MAY BE USED IN LIEU OF 10d COMMONS (ER-5053).
6. FOR ADDITIONAL NOTES, SEE "SP" SHEETS.

LEGEND:

-  INDICATES SUPERIOR WALLS BY OTHERS, CONCENTRATED LOADS INDICATED IN KIPS
-  INDICATES FLOOR TRUSSES BY OTHERS
-  INDICATES CS16 (H) STRAP FRAMED WALL T. IE TO SUPERIOR WALL NAILER IE W/ (10) 10d EA END
-  INDICATES THRU-BOLTED DIAGONAL BRACING PER "APPENDIX M"
-  INDICATES 2x6 @ 16" O.C. OFF STUD WALL (2x4 @ 16" O.C. INTERIOR WALLS)



1ST FLOOR FRAMING PLAN

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

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 SHEET #: S2

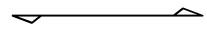
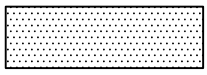
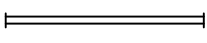


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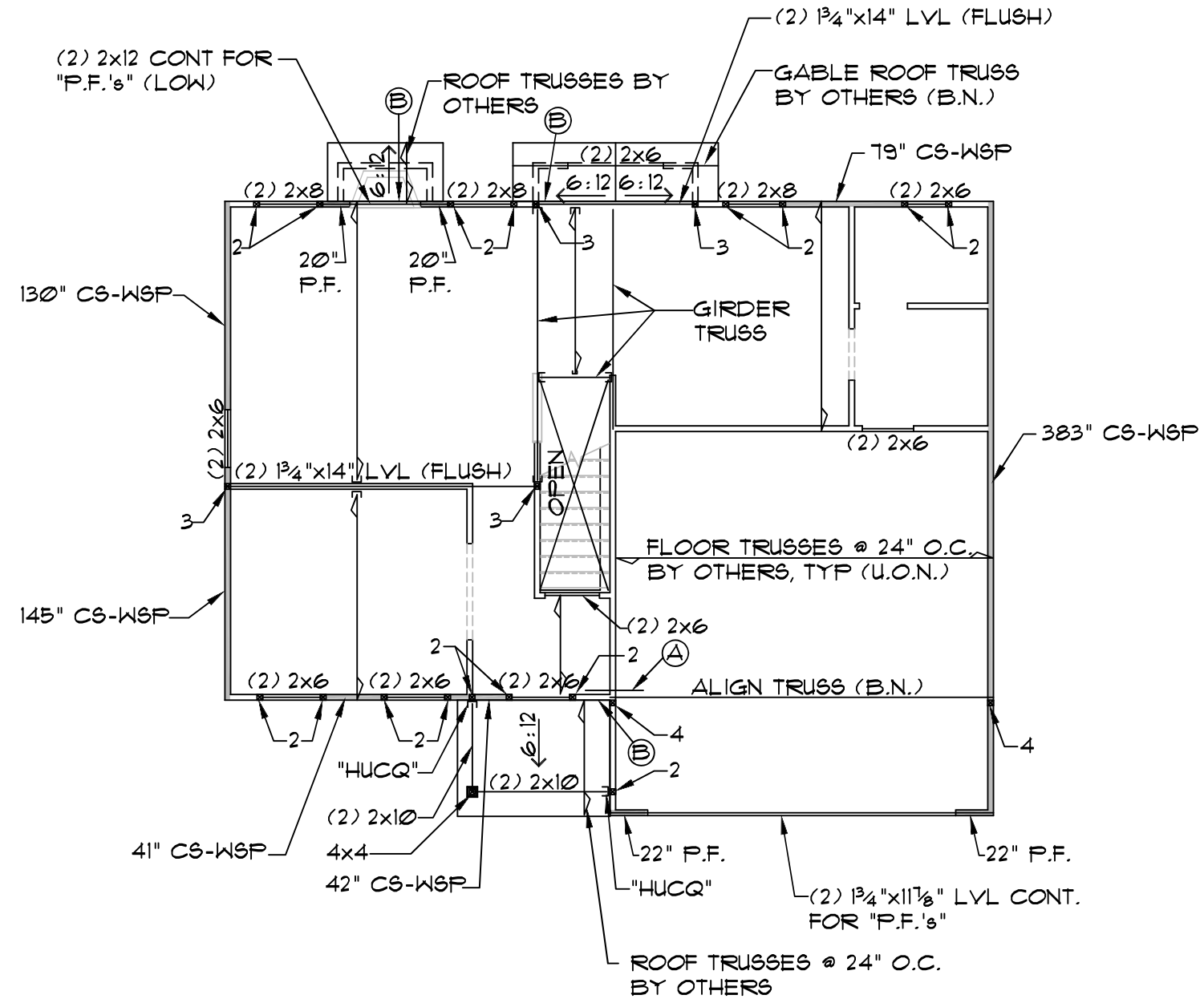


FLOOR FRAMING NOTES:

1. FLOOR SHEATHING IS TO BE 3/4" FLY T & G (48/24) CDX EN. 4 EN. 12d @ 6", FN. 12d @ 12" (U.O.N.) ALTERNATE: 3/8" x 2" COARSE THREADED YELLOW ZINC FLATHEAD WOOD SCREWS MAY BE USED IN-LIEU OF 12d COMMONS (ER-5053).
2. (10) 16d EACH SIDE OF TOP PLATE SPLICE, TYP (U.O.N.).
3. VERIFY ALL DIMENSIONS W/ FLOOR PLAN (BY OTHERS) PRIOR TO WORK.
4. FOR ADDITIONAL NOTES, SEE 8P SHEETS.

LEGEND:

-  INDICATES 14' FLOOR TRUSSES BY OTHERS, TYP. (U.O.N.)
-  INDICATES OVER-BUILT ROOF AREA W/ 2x10 FLAT FALSE VALLEYS ON TOP OF SHEATHING W/ (2) 16d COMMON TO EA TRUSS BELOW
-  INDICATES 2x4 @ 16" O.C. STUD WALL (STUDS AT 24" O.C. MAX AT NON-BRG INTERIOR WALLS)
-  INDICATES 'CS16' HORIZ STRAP TOP OF T.I.E.'s TO UNDERSIDE OF TRUSS W/ (10) 12d COMMON NAILS EA END (20 NAILS TOTAL)
-  INDICATES TRUSS TOP CHORD / 2x LEDGER ATTACHMENT TO WALL STRUCTURE USING (2) 1/4" x 4 1/2" LG SIMPSON SDS WOOD SCREWS @ 6" EA STUD (16" O.C. MAX SPACING), WALL SHEATHING CONTINUOUS BEHIND TRUSS / LEDGER



2ND FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

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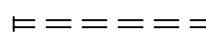


SCALE: SEE PLAN
DRAWN BY: A.V.
DATE: 4-6-20

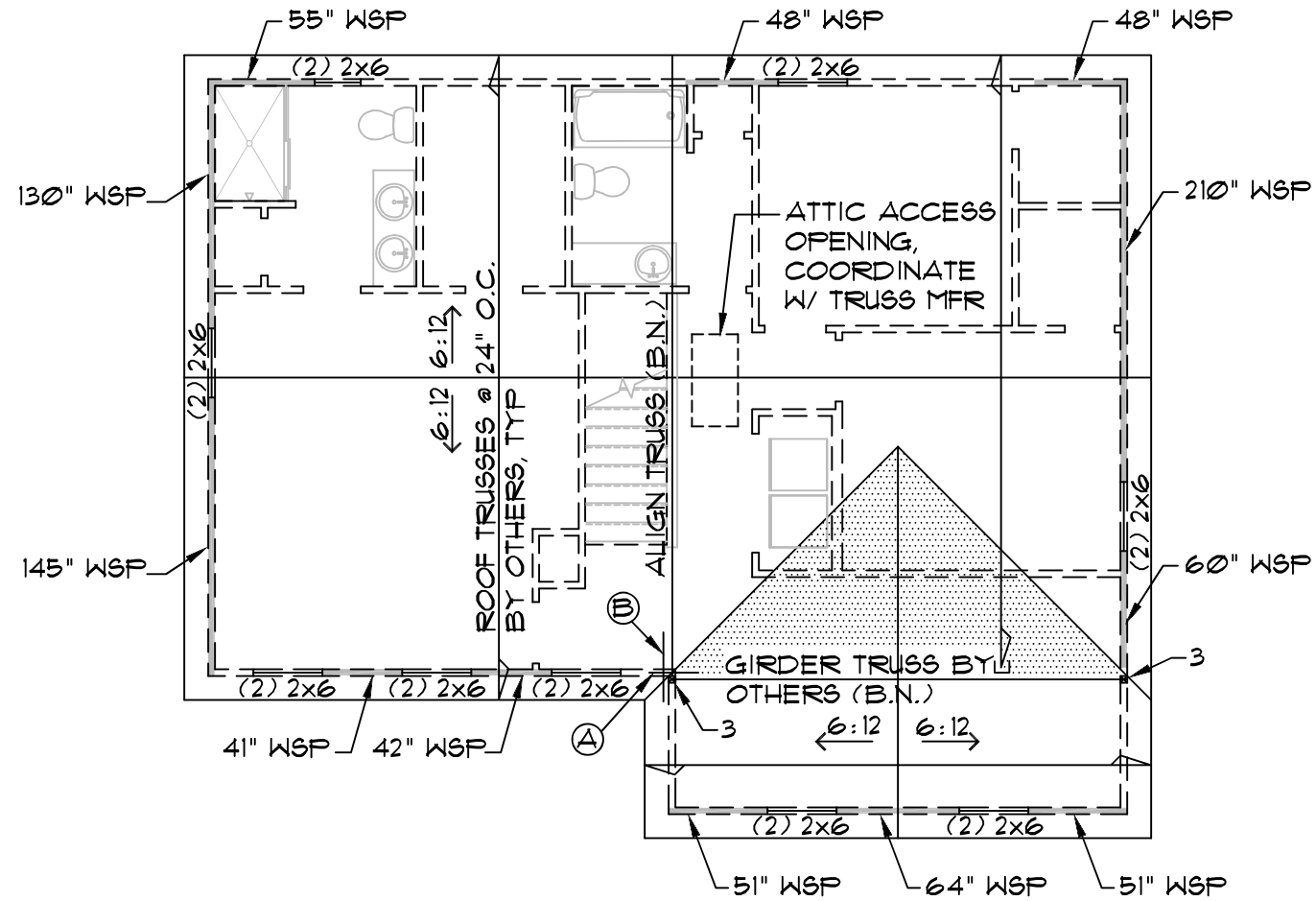
JOB #: 20-1363
SHEET #: 53

ROOF FRAMING NOTES:

1. ROOF SHEATHING IS TO BE 1/16" OGB (32/16) B.N. 4 E.N. 8d @ 6", F.N. 8d @ 12" (U.O.N.).
2. (10) 16d EACH SIDE OF TOP PLATE SPLICES, TYP. (U.O.N.)
3. TRUSSES TO BE TIED TO TOP PLATES USING AN "H2.5A" CLIP AT EACH TRUSS END.
4. ATTIC SPACE: 1300 SQ FT. VENT REQ'D: 1300/50=26.12 SQ FT VENTS REQ'D. OR 4.36 SQ FT W/ 50% OF VENTING PROVIDED BY VENTILATORS IN THE UPPER PORTION OF THE SPACE AT LEAST 3 FEET ABOVE EAVE OR CORNICE VENTS WITH BALANCE OF THE REQ'D VENTILATION PROVIDED BY EAVE OR CORNICE VENTS.
5. FOR ADDITIONAL NOTES, SEE "09" SHEETS.

LEGEND:

-  INDICATES ROOF TRUSSES BY OTHERS
-  INDICATES OVER-BUILT ROOF AREA W/ 2x10 FLAT FALSE VALLEYS ON TOP OF SHEATHING W/ (2) 16d COMMON TO EA TRUSS BELOW
-  INDICATES 2x4 @ 16" O.C. STUD WALL BENEATH ROOF LEVEL (STUDS 24" O.C. MAX AT NON-BRG INTERIOR WALLS)
-  INDICATES "MT012" HORIZONTAL STRAP TRUSS BOTTOM CHORD TO PARALLEL TOP PLATES
-  INDICATES "CS16" (4) STRAP TOP OF T.I.E. TO UNDERSIDE OF TRUSS W/ (10) 16d COMMON NAILS EA END (20 NAILS TOTAL)



ROOF FRAMING PLAN

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

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