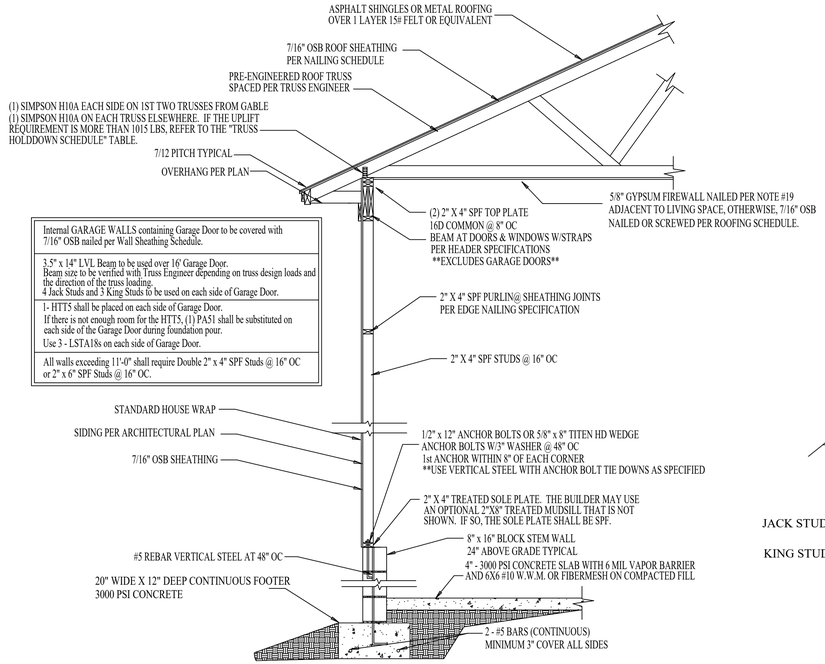
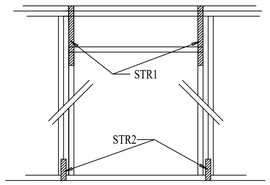


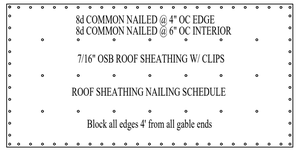
4 / D-1 GARAGE WALL SECTION

Scale: 1/2" = 1'



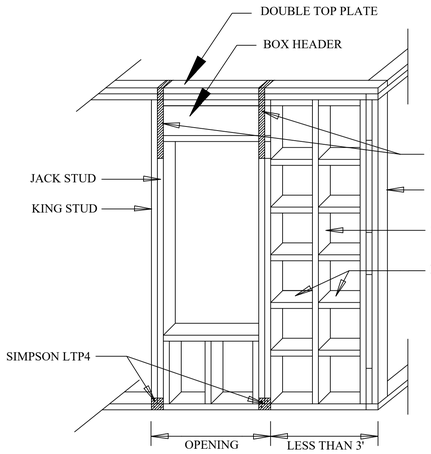
HEADER SPECIFICATIONS

Header Type	Header Size	Number of jack studs	Number of king studs	STR1 each side	STR2 each side
2-2 x10 SYP Box Header	0' to 3'	1	1	(1) Simpson CS16	LTP4 or TP35
2-2 x10 SYP Box Header	>3' to 6'	2	2	(1) Simpson CS16	LTP4 or TP35
2-2 x10 SYP Box Header	>6' to 10'	2	3	(2) Simpson CS16	LTP4 or TP35
LVL as per Engineering	>10' to 16'	4	3	SEE ENGINEERING	



1 / F-1 ROOF AND WALL SHEATHING SCHEDULE

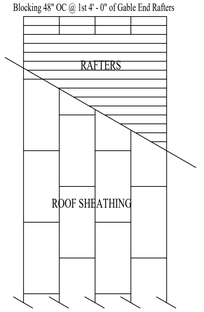
Scale: 1/2" = 1'



5 / D-1 OPENING LESS THAN 3' FROM ENDWALL

Scale: 1/2" = 1'

If opposite side of opening has less than 48" to next opening or corner, continue purlins @ 16" OC vertically to next post.

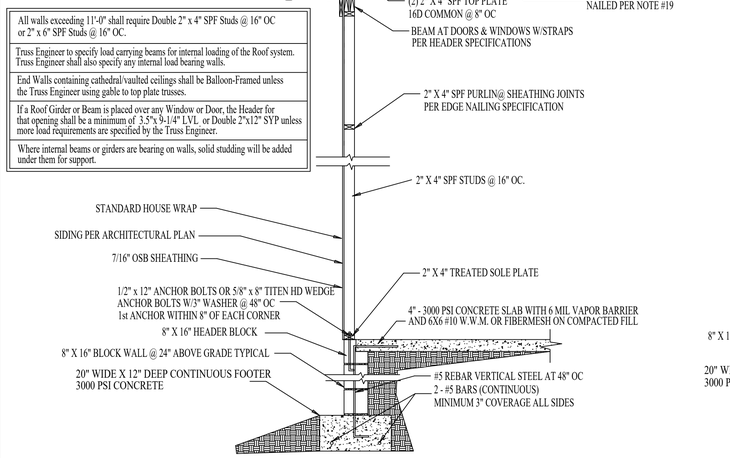


2 / F-1 GABLE ROOF FRAMING DETAIL

Scale: NTS

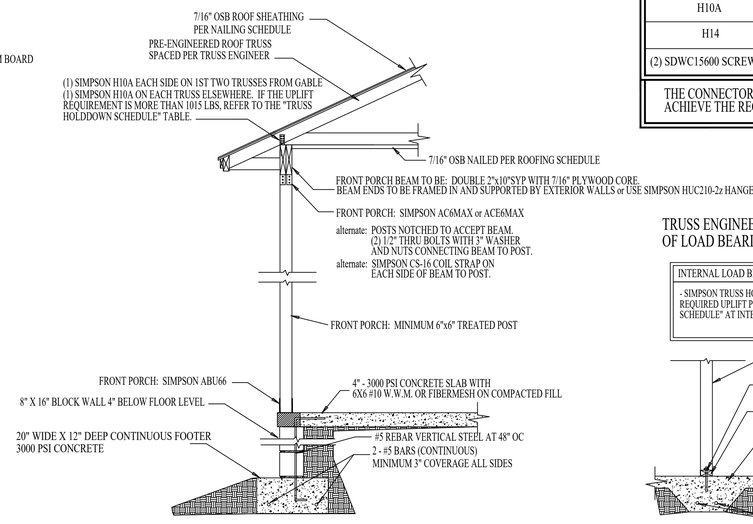
TRUSS HOLDDOWN SCHEDULE		
SIMPSON HOLDOWN	ALLOWABLE UPLIFT LOAD	
	SPF	SYP
H10S	785	910
H10A	1015	1340
H14	1050	1465
(2) SDWC15600 SCREWS	1140	1200

THE CONNECTORS MAY BE APPLIED IN MULTIPLES TO ACHIEVE THE REQUIRED UPLIFT HOLDDOWN.



1 / D-1 HOUSE WALL SECTION

Scale: 1/2" = 1'



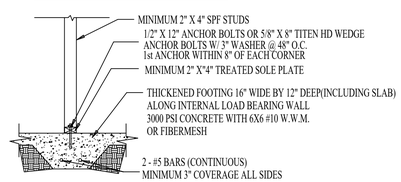
2 / D-1 FRONT PORCH DETAIL AT COLUMN LINE

Scale: 1/2" = 1'

TRUSS ENGINEER TO MAKE FINAL DETERMINATION OF LOAD BEARING WALL LOCATIONS.

INTERNAL LOAD BEARING WALL TRUSS TIES:

- SIMPSON TRUSS HOLDOWN FOR THE REQUIRED UPLIFT PER THE "TRUSS HOLDDOWN SCHEDULE" AT INTERNAL LOAD BEARING



3 / D-1 INTERNAL LOAD BEARING WALL SECTION

Scale: 1/2" = 1'

General Notes/Remarks/Assumptions

DRAWINGS AND SPECIFICATIONS CONFORM TO:

NCRC 2018 and ICC 2015
MINIMUM WINDOW RATING: DP35
SEISMIC REQUIREMENTS FOR ZONE C
WIND EXPOSURE CATEGORY: B
Ultimate Wind Speed - 120 MPH(3 second gusts)
Floor Live Load --- 40# PSF
Roof Live Load --- 20# PSF

1. Any variations from these plans should be referred to the Engineer.
2. All building materials shall conform to existing local building codes.
3. All cross-sections, drawings and tables are typical for similar locations where applicable.
4. All dimensions are to be derived from the architectural plans unless otherwise noted on this drawing.
5. Contractor is responsible for adequate construction bracing and any failures due to lack of it.
6. Refer to architectural plans and current code requirements for details not stated in this drawing.
7. No non-standard load(such as equipment, etc.) shall be applied unless otherwise noted in these drawings.
8. All materials for headers and bracing to be #2 SYP @ 19% MC, all wood members in contact with masonry or concrete to be pressure treated .25 CCA.
9. All wood members for studs, bracing, purlins, and plates to be #2 SPF @ 19 MC.
10. Footing design is based upon 2000 PSF soil bearing pressure, all footings shall rest upon solid bearing materials.
11. All footing and foundation wall reinforcement to be of ASTM A-615 Grade 60 Steel.
12. Concrete units are typically lightweight concrete conforming to ASTM C-90, Type 1, Grade N-1, pumice or expanded slag. All mortar to be Type S.
13. All fill material shall be compacted to 95% of of Standard Proctor.
14. Remove all foreign material from footing pad and foundation(roots and other debris).
15. Manufactured roof trusses shall be installed according to manufacturer's specifications.
16. All materials below BFE shall be of flood resistant treated type.
17. Sheathing nails shall be .131" shank diameter, (8d common nails) or or .148" shank diameter, (10d common nails) as specified.
18. Details not included in these drawings shall be governed by current applicable local building codes.
19. Ceiling diaphragm shall be 5/8" thick gypsum nailed with 5d nails spaced at 7" on the edges and 10" on the interior. Screws can also be used as substitute for nails.
20. Nailing for the double top plate shall be 16d common nails staggered @ 8" OC.
21. Foundation anchors to be within 12" of each sill plate section end and within 12" of each intersection of interior load bearing wall and exterior wall.
22. All internal load bearing walls on raised or monolithic slabs to have a continuous thickened footing per section specification.
23. All double top plates and sill plates to be #2 SPF. If contacting cement or masonry, plates to be pressure treated per note #8.
24. All structural storm panels made for all windows to meet IRC R301 code.
25. All masonry cells containing reinforcement or anchor bolts shall be grouted solid.
26. Floor sheathing to be 3/4" T&G glued and nailed at 6" OC @ edges and 12" OC at interior.
27. All metal connectors in contact with pressure treated or ACQ wood products must be ZMAX coated or galvanized.
28. All window protection panels shall be 7/16" OSB fastened per Table R301.2.1.2 of the IRC 2015.

GABLE END WALL TO CEILING CONNECTION

Anchor gable truss to top plate of gable end wall with HGA10 @48" OC, apply 2X4X8' strut across bottom chords of 4 trusses @ 48" OC across gable, and nail to each bottom chord with 2 10d common nails.

Alternate: Nail 2' of Simpson Coil strap on the roof rafter ceiling struts, extend the coil strap over the gable truss, through the wall OSB, and down the outside of the wall stud @48" OC.

CORNER HOLD DOWN DEVICE

1/2" x 12" anchor bolt or 5/8" x 8" Titen HD wedge anchor bolt with 3" washer on each within 8" of each corner.

**SEE GARAGE WALL SECTION detail for garage door holddowns.

REINFORCING

Grade 60 #5 rebar @ 48" OC vertical reinforcing tied to foundation rebar. Extend vertical steel minimum to top of stem wall. Bend vertical steel into monolithic slab.

Date: 09/10/19

Revision:

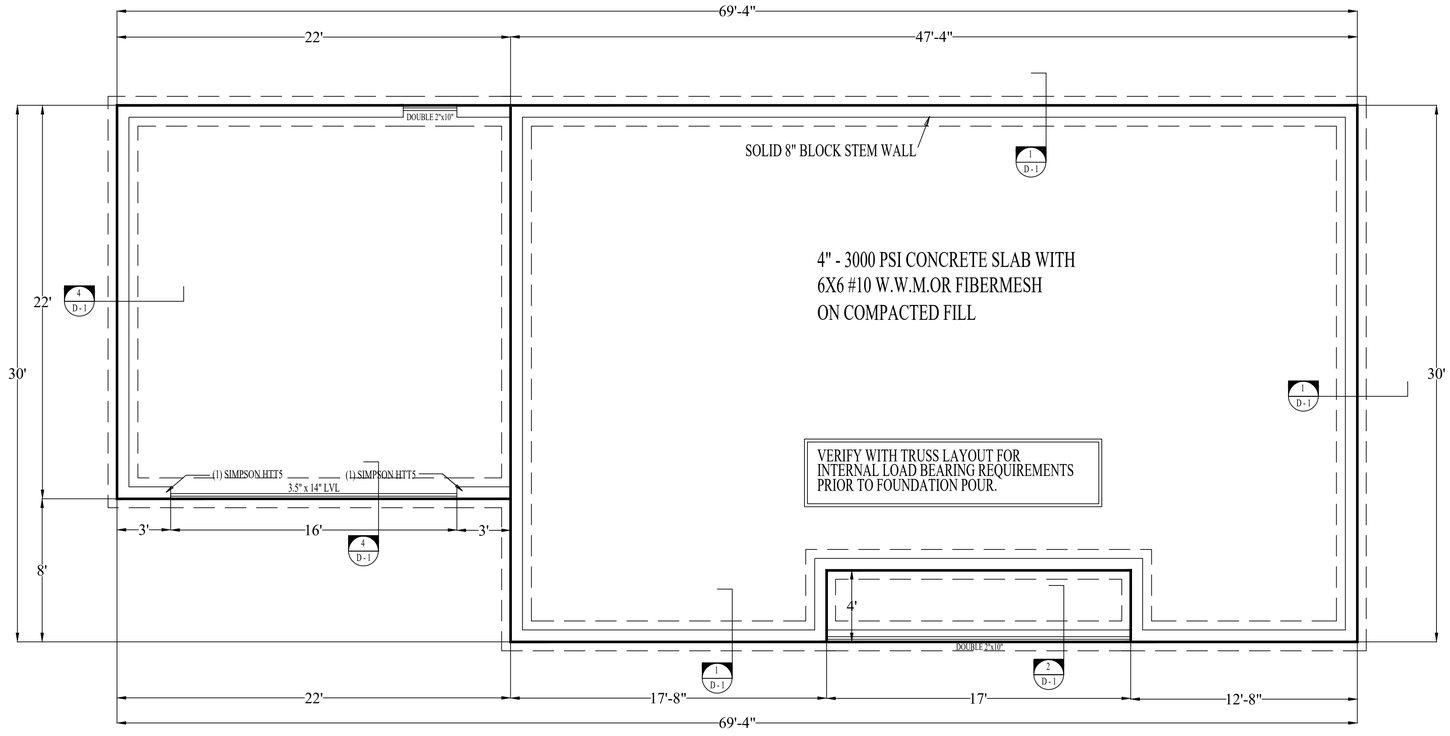
Sheet 1 of 2

NOTE: Contractor to verify all dimensions and local building code compliance.

165 Everett Place
Britton's Neck, SC 29546
843-362-2027 (office)
843-283-2000 (cell)

Prepared For:
Don Phillips
Corner of Denim and 6th Street
Hartnett County
Erwin, NC

STRUCTURAL DESIGN



FOUNDATION PLAN
Scale: 1/4" = 1'

ALL DIMENSIONS TO BE VERIFIED WITH ARCHITECTURAL PLAN.

VERIFY WITH TRUSS ENGINEER FOR FOUNDATION INTERNAL LOADING LOCATIONS.
NO INTERNAL LOADING LOCATIONS ARE SHOWN ON THIS FOUNDATION PLAN, BUT DEPENDING ON THE TRUSS DESIGN, SOME MAY BE REQUIRED. CONSTRUCT LOAD BEARING FOOTING PER DETAIL 3/D-1.

FOUNDATION REPRESENTS OUTSIDE WALL DIMENSIONS

Date: 09/10/19

Revision:

Sheet 2 of 2

NOTE:
Contractor to verify all dimensions and local building code compliance.

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Prepared For:

Don Phillips
Corner of Denim and 6th Street
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STRUCTURAL DESIGN

NORTH CAROLINA
PROFESSIONAL
SEAL
048889
ENGINEER
SCOTT A. EVERETT
08/10/19