BIND LEFT

FOR REVIEW, NOT FOR CONSTRUCTION

KEY TO ABBREVIATIONS:

ABV = ABoVe
ADH = ADHesive
BEL = BELow
BET = BETween
BM = BeaM
BP = Bottom Plate (Sole)
CLG = CeiLinG
COM = COMmon
CONT = CONTinuous
DBL = DoubBLe
DIA = DIAmeter
DIM = DIMension
EQV = EQuiValent
EXT = EXTerior
FL = FLoor
FSN = FaSteN
HDR = HeaDeR
INT = INTerior
ISN = InterSectioN
JST = JoiST
L = Length
LB = Load Bearing
MIN = MINimum
MTL = MeTaL
NGT = Not Greater Than
NL = NaiL
NLT = Not Less Than
OA = OverAll
OC = On Center
PERP = PERPendicular
PRM = PeRiMeter
RF = Roof
RFR = RaFteR
SHTG = SHeaThinG
STD = STanDard
STRC = STRuCture
TP = Top Plate
VERT = VERTical
WL = WaLl

FSNing STANDARDS:

(L and shank DIA)
Thanks to the Texas State Department of Insurance on whose work these design STDs are in part based.
Conversions: 1/4=.25, 1/2=.50 NL DIMs expressed in L-by-shank DIA, each in decimal inches.
FSNers shall be corrosion resistant for EXT applications..

NOTE: TOE-NLING FOR PERMANENT FSNING IN EACH APPLICATION REQUIRES ADDITIONAL MTL STRAP, TIE, CONNECTOR, BRACE OR EQV., I.E., TOE-NAILING SHALL NOT BE APPLIED ALONE AS A PERMANENT FSNing, AND SHALL BE SUPPLMENTED BY NECESSARY AND SUFFICIENT BEARING ON AND FSNing TO STRC.

JST FRAMING:
1. JST to Sill, TP, BM, or Girder (Toe-NLed). 3 NLs: 2.50"x0.131" (8d COM); 3"x0.128" (10d box); 3"x0.131"; 3.25"x0.131". 4 NLs: 3"x0.120"; 3.25"x0.120".
2. End JST and Head JST to Sill or TP (Toe-NLed). 1 NL at 6" OC: 3.50"x0.162" (16d COM). 1 NL at 4" OC: 3"x0.131"; 3.25"x0.131"; 3.50"x0.135" (16d box).
3. JST Lap over BMs or Partitions (Face-NLed). 3 NLs: 3.50"x0.162" (16d COM). 4 NLs: 3"x0.120"; 3.25"x0.120"; 3.25"x0.128" (12d box); 3"x0.131"; 3.25"x0.131".
4. Blocking BET FL JSTs (Toe-NLed). 4 NLs, 2 at each end: 2.50"x0.131" (8d COM); 3"x0.128" (10 box); 3"x0.131"; 3.25"x0.131".
5. Bridging to JSTs (Toe-NLed), number of NLs at each end. 2 NLs: 2.50"x0.131" (8d COM); 3" x 0.128" (10d box). 4 NLs: 2"x0.113"; 2"x0.113"; 3 NLs: 3"x0.120"; 3.25"x0.120".
6. End JSTs and Head JSTs to COM JSTs (End-NLed). 3 NLs: 3.50" x0.162" (16d COM). 6 NLs: 3"x0.120"; 3.25"x0.120". 5 NLs: 3"x0.131"; 3.25"x0.131"; 3.50"x0.135" (16d box).
7. Ledger Strip to BM, End JST or Head JST (Face-NLed). Note: FSNers may be required BEL each FL JST, and such strips shall be considered neither permanent STRC nor permanent structural support, unless NLT: a) 2"x4", and b) fully flushed to STRC on wider DIM; and c) plated as in 9. DBLd JSTs (Face-NLed) immediately BEL.
8. Wood Block Anchor (number of NLs each into JST and BM). 4 NLs: 31.2"x0.162" (16d COM); 3.25"x0.131"; 3.50"x0.135" (16d box).
9. DBLd JSTs (Face-NLed). 3 NLs: 3.50"x0.162" (16d COM). 4 NLs: 3"x0.120"; 3.25"x0.120"; 3.25"x0.128" (12d box); 3"x0.131"; 3.25"x0.131". Evenly spaced in rows of 2 to x6's and rows of 3 for ABV, 6" OC, on 1 face.
10. Triple JSTs (Face-NLed.) 3 NLs: 3.50x0.162" (16d COM). 4 NLs: 3"x0.120"; 3.25"x0.120"; 3.25"x0.128" (12d box); 3"x0.131"; 3.25"x0.131". Evenly spaced in rows of 2 to x6's and of 3 for ABV, 6" OC, both faces.

FL SHTG (always set w/ face-grain PERP to members):
FSNERS SHALL BE APPLIED AFTER NLT 1/2" DIA CONT BEAD OF CONSTRUCTION ADH HAS BEEN APPLIED TO SUBORDINATE FRAMING MEMBER FACES TO WHICH SHTG IS TO BE APPLIED.
1. Wood Structural Panels (Plywood) To 1" thick. Screwing Pattern: NLT 2" into STRC at 4" OC along panel edges over CONT members and DBL at edges w/ crossing members and 6" OC in field.

WL FRAMING:
1. DBL TP - INT Non-LB WLs (Face-NLed). 1 NL at 24" OC: 3.50"x0.162" (16d COM). 1 NL at 16" OC: 3"x0.120"; 3.25"x0.120"; 3"x0.131"; 3.25"x0.131"; 3.50"x0.135" (16d box).
2. TP Laps and ISNs (Face-NLed), number of NLs each side of lap. 2 NLs: 3.50"x0.162" (16d COM). 3 NLs: 3"x0.120"; 3.25"x0.120"; 3.25"x0.128" (12d box); 3"x0.131"; 3.25"x0.131".
3. Stud to TP or Sole Plate (End-NLed). 2 NLs: 3.50"x0.162" (16d COM). 3 NLs: 3"x0.131"; 3.25"x0.131"; 3.50"x0.135" (16d box).
4. Stud to TP or Sole Plate (Toe-NLed). 3 NLs: 3.50"x0.162" (16d COM). 4 NLs: 2.50"x0.131" (8d COM); 3"x0.128" (10d box); 3"x0.131"; 3.25"x0.131".
5. DBLd Studs (Face-NLed). 1 NL at 24" OC: 3.50"x0.162" (16d COM). 1 NL at 16" OC: 3"x0.131"; 3.25"x0.131"; 3.50"x0.135" (16d box)
6. BP to End and Head JSTs (Face-NLed) - when not used for shear transfer. 1 NL at 16" OC: 3.50"x0.162" (16d COM). 1 NL at 12" OC: 3"x0.131"; 3.25"x0.131"; 3.50"x0.135" (16d box).
7. BP to End and Head JSTs (Face-NLed) - wfffffffffC?(??hen used for shear transfer. 1 NL at 6" OC: 3.50"x0.162" (16d COM). 1 NL at 4" OC: 3"x0.131"; 3.25"x0.131"; 3.50"x0.135" (16d box).
8. Blocking BET WL Studs and RFRs (Toe-NLed). 4 NLs, 2 at each end: 2.50"x0.131" (8d COM); 3"x0.128" (10 box); 3"x0.131"; 3.25"x0.131".
9. Gable Offset L-Shaped Member to Gable Studs. 1 NL at 5" OC: 3.50"x0.162" (16d COM). 1 NL at 4" OC: 3.50"x0.131"; 3.50"x0.120" deformed shank.
10. Gable Offset 2"x Member to 2"x4" Member (FSNed to form VERT L shaped member). 1 NL at 18" OC: 3.50"x0.162" (16d COM). 1 NL at 18" OC: 3.50"x0.128" (12d box NL). 1 NL at 16" OC: 3"x0.120"; 1 NL at 12" OC: 2.50"x0.131"
11. HDRs. (Face-NLed). 3 NLs: 3.50"x0.162" (16d COM). 4 NLs: 3"x0.120"; 3.25"x0.120"; 3.25"x0.128" (12d box); 3"x0.131"; 3.25"x0.131". Evenly spaced in rows of 2 to x6's, of 3 ABV, 6" OC, 1 face.
12. HDRs to Jack Studs. (Toe-NLed), number of NLs at each end. 2 NLs: 2.50"x0.131" (8d COM); 3" x 0.128" (10d box). 4 NLs: 2"x0.113"; 2"x0.113"; 3 NLs: 3"x0.120"; 3.25"x0.120".
13. HDRs to King Studs. (Face-NLed), number of NLs at each face. 2 NLs: 2.50"x0.131" (8d COM); 3" x 0.128" (10d box). 4 NLs: 2"x0.113"; 2"x0.113"; 3 NLs: 3"x0.120"; 3.25"x0.120".
14. Cripples to Plates (Toe-NLed), number of NLs at each end. 2 NLs: 2.50"x0.131" (8d COM); 3" x 0.128" (10d box). 4 NLs: 2"x0.113"; 3 NLs: 3"x0.120"; 3.25"x0.120".

WL SHTG not used for lateral resistance, i.e., EXT to STRC (always set w/ face-grain PERP to members).
FSNERS SHALL BE APPLIED AFTER NLT 1/2" DIA CONT BEAD OF CONSTRUCTION ADH HAS BEEN APPLIED TO SUBORDINATE FRAMING MEMBER FACES TO WHICH SHTG IS TO BE APPLIED.
Wood Structural Panels (Plywood). NLing Pattern: 4" OC along panel edges over CONT members and DBL NLed at edges w/ crossing members and 6" OC in field. 1 NL: 2.50"x0.131" (8d COM); 2.50"x0.131" deformed shank; 2.50"x0.120" deformed shank; 3"x0.120" deformed shank; 3"x0.128" (10d box);3"x0.131"; 3.25"x0.131", UON for Braced INT and EXT WLs on Sheets 11 and 15, Notes 8. and 9..

RF FRAMING:
1. RFR to TP (Toe-NLed). 3 NLs: 2.50"x0.131" (8d COM); 3"x0.128" (10d box); 3"x0.131"; 3.25"x0.131". 4 NLs: 2"x0.113"; 3"x0.120"; 3.25"x0.120".
2. RFR to Ridge Board (Toe-NLed): 2 NLs: 3.50"x0.162" (16d COM). 3 NLs: 3"x0.131"; 3.25"x0.131"; 3.50"x0.135" (16d box). 4 NLs:3"x0.120"; 3.25"x0.120".
3. RFR to Ridge Board (Face-NLed). 2 NLs: 3.50"x0.162" (16d COM). 3 NLs: 3.25"x0.131"; 3.50"x0.135" (16d box). 4 NLs: 3"x0.120", 3.25"x0.120"; 3"x0.131".
4. Blocking and RF SHTG Supports BET RFRs or Trusses (Toe NLed). 4 NLs, 2 at each end. 2.50"x0.131" (8d COM); 3"x0.128" (10 box); 3"x0.131"; 3.25"x0.131".
5. Collar Tie or RFR Tie to RFR and Strongback to RFR (Face-NLed). 3 NLs: 3.50"x0.162" (16d COM). 4 NLs: 3"x0.120"; 3.25"x0.120"; 3.25"x0.128" (12d box); 3"x0.131"; 3.25"x0.131".
6. CLG JST to TP (Toe-NLed). 3 NLs: 2.50"x0.131" (8d COM); 3"x0.128" (10d box); 3"x0.131"; 3.25"x0.131". 4 NLs: 2"x0.113"; 3"x0.120"; 3.25"x0.120".
7. CLG JST to Parallel RFR (Face-NLed). 3 NLs: 3.50"x0.162" (16d COM). 4 NLs: 3"x0.120"; 3.25"x0.120"; 3.25"x0.128" (12d box); 3"x0.131"; 3.25"x0.131".
8. CLG JST Laps over Partitions (Face-NLed). 3 NLs: 3.50"x0.162" (16d COM). 4 NLs: 3"x0.120"; 3.25"x0.120"; 3.25"x0.128" (12d box); 3"x0.131"; 3.25"x0.131".
9. Strongback to CLG JST or Bottom Chord of Truss. 2 NLs: 31.2"x0.162" (16d COM). 3 NLs: 3"x0.120"; 3.25"x0.120"; 3.25"x0.128" (12d box); 3"x0.131"; 3.25"x0.131".
10. RFR Splice (Face-NLed). MUST LAP NLT 4', NLING NLT 2-10d COMS AT NGT 4" OC, face-NLed. 22 NLs: 3.50"x0.162" (16d COM). 24 NLs: 3"x0.120"; 3.25"x0.120"; 3.25"x0.128" (12d box); 3"x0.131"; 3.25"x0.131".
11. RFR Brace to RFR (Face-NLed). 4 NLs: 3.50"x0.162" (16d COM). 5 NLs: 3"x0.120"; 3.25"x0.120"; 3.25"x0.128" (12d box); 3"x0.131"; 3.25"x0.131".
12. Purlin Brace to RFR Brace (Face-NLed). NLing Pattern = NGT 12" OC along brace. 1 NL: 3.50"x0.162" (16d COM). 3 NLs: 3"x0.120"; 3.25"x0.120"; 3.25"x0.128" (12d box); 3"x0.131"; 3.25"x0.131".
13. RFR Purlin to RFR Brace. 2 NLs: 3.50"x0.162" (16d COM). 3 NLs: 3"x0.120"; 3.25"x0.120"; 3.25"x0.128" (12d box); 3"x0.131"; 3.25"x0.131".
14. RFR Brace to CLG JST (Face-NLed). 3 NLs: 3.50"x0.162" (16d COM). 4 NLs: 3"x0.120"; 3.25"x0.120"; 3.25"x0.128" (12d box); 3"x0.131"; 3.25" x 0.131".
15. RFR Brace to TP (Toe-NLed). 3 NLs: 3.50" x 0.162" (16d COM). 4 NLs: 3" x 0.120"; 3.25" x 0.120"; 3.25"x0.128" (12d box); 3"x0.131"; 3.25"x0.131".

CLG FRAMING:
1. Block to Strongback - Gable EndWL Brace (Face NLed). 4 NLs: 3.50"x0.162" (16d COM). 6 NLs: 3"x0.120"; 3.25"x0.120"; 3.25"x0.128" (12d box); 3"x0.131"; 3.25"x0.131".
2. Strongback to Gable EndWL Stud - Gable EndWL Brace (Face NLed). 3 NLs: 3.50"x0.162" (16d COM). 4 NLs: 3"x0.120"; 3.25"x0.120"; 3.25"x0.128" (12d box); 3"x0.131"; 3.25"x0.131".
3. 20 gauge let-in steel strap to Strongback; Gable End WL Stud - Gable EndWL Brace. 10 NLs each end: 2.50"x 0.131" (8d COM). 15 NLs each end: 3"x0.120"; 3.25"x0.120".

RFing SHTG (always set w/ face-grain PERP to members).
FSNERS SHALL BE APPLIED AFTER NLT 1/2" DIA CONT BEAD OF CONSTRUCTION ADH HAS BEEN APPLIED TO SUBORDINATE FRAMING MEMBER FACES TO WHICH SHTG IS TO BE APPLIED.
1. Wood Structural Panels (Plywood). To 1" thick. NLing Pattern (12d: 4" OC at panel edges over CONT members and DBL NLed at edges w/ crossing members, and 6" OC in field. NL: 2.50"x0.131" (8d COM); 2.50"x0.131" deformed shank; 2.50"x0.120" deformed shank; 3"x0.120" deformed shank; 3"x0.128" (10d box); 3"x0.131"; 3.25"x0.131".
2. Spaced Boards to RFRs. 1 NL: 2.50" x 0.131" (8d COM); 2.50"x0.131" deformed shank; 2.50"x0.120" deformed shank; 3"x0.120" deformed shank; 3"x0.128" (10d box); 3"x0.131"; 3.25"x0.131".
3. Wood Structural Panels (Plywood). 1" thick or less (Applied Over Spaced Boards). 1 NL per board, 4" OC at edges, over CONT members and DBL NLed at edges w/ crossing members, and 6" OC in field: 3"x0.128"; 3.25"x0.128" (12d box); 3"x0.120" deformed shank; 3"x0.131"; 3.25"x0.131".

SHEETROCK (a/k/a/ Wallboard, Gypsum board, etc.) TO WOOD STRC.
1. Sheetrock NLs (10d, MIN 10 DIAs penetration into STRC) 1: To WLs w/ ADH, 16" OC at PRM and 24" OC at field; To WLs w/o ADH, 8" OC OA.
2. Sheetrock NLs (10D, MIN 10 DIAs penetration into STRC): To CLGs w/ ADH, 16" OC at PRM and 24" OC at field; To CLGs w/o ADH, 7" OC OA.
3. Sheetrock Screws (NLT 5/8" penetration into STRC): To WLs of 16" OC framing w/ ADH or w/o ADH, 16" OC OA; To WLs of (prohibited) 24" OC framing w/ ADH, 12" OC OA.
4. Sheetrock Screws (NLT 5/8" penetration into STRC): To CLGs of 16" OC framing or (prohibited) 24" OC framing w/ ADH or w/o ADH, 12" OC OA.

GENERAL SPECIFICATIONS FOR NLs AS FSNers.
1. COM NLs shall be applied when COM NLs are specified.
2. A single NLl shall be prohibited in fastening anything to anything else.
3. NLs - a) shall be not applied as permanent FSNers in w/drawal-critical FSNings on any vector, e.g., to CLG as in WBing, to ledgers, to JSTs into ledgers (note in this latter case that MTL connectors NLed are not to be confused w/ members solely NLed); b) shall be spaced NLT 1/2 their L BET any 2; c) shall be spaced NLT 1/4 their L to the edge of materials FSNed; d) shall penetrate NLT 10 DIAs into the end-material; e) shall be not toe-nailed for strength of any form and therefore shall be toe-nailed only for temporary placement of material; f) shall be only deformed shank in unseasoned wood applications.

Copyright 2003, 2004 Before The Architect
http://www.beforethearchitect.com
Errors & Omissions

DISCLAIMER: Before The Architect tried to do its best on this design plan based on knowledge, experience, statements, and instructions. However, others will provide on-site consulting, supervise and control construction, and no one on the planet can ever possibly know all the codes, requirements, means, materials, and other conditions involved in this project; therefore, there cannot be any warranty, express or implied, w/ respect to the content or use of this plan, including but not limited to any warranty of merchantability or fitness of construction, durability, function, safety, or hazards pre- or post-construction, or any liability for any errors or omissions due to incorrect information shown on this print. Use of this print is absolutely 100% at your own risk.

Title: PLAN DETAILS - 1 OF 2
Project: "La Maison"
For: Clients in the Southeast U.S.
Sheet: 2 of 34
Date: June 7, 2004

Description: New story-and-a-half detached, single owner-occupied residence in French Country style.

Before The Architect
Cumming, GA
http://www.beforethearchitect.com
Copyright Before The Architect
2003, 2004