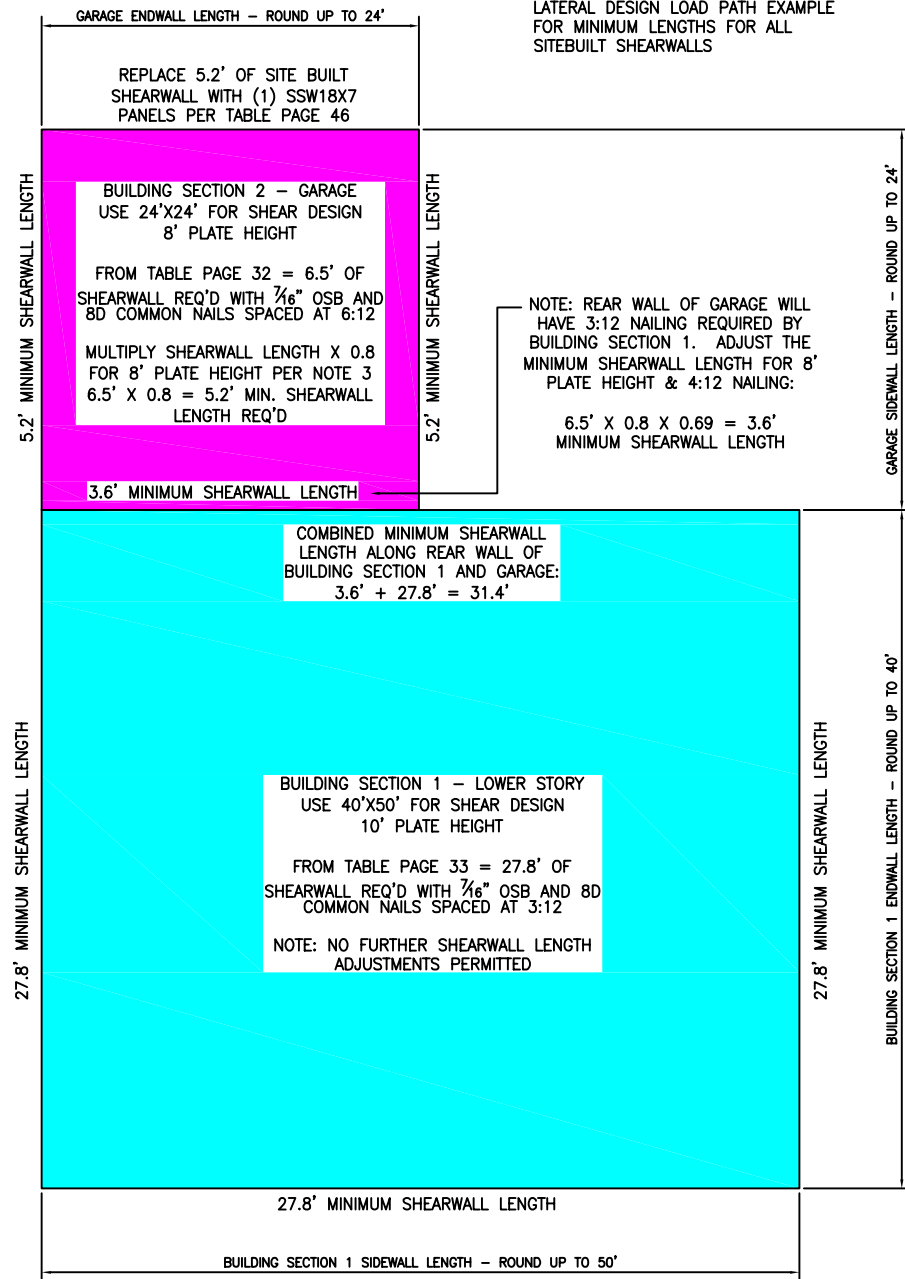
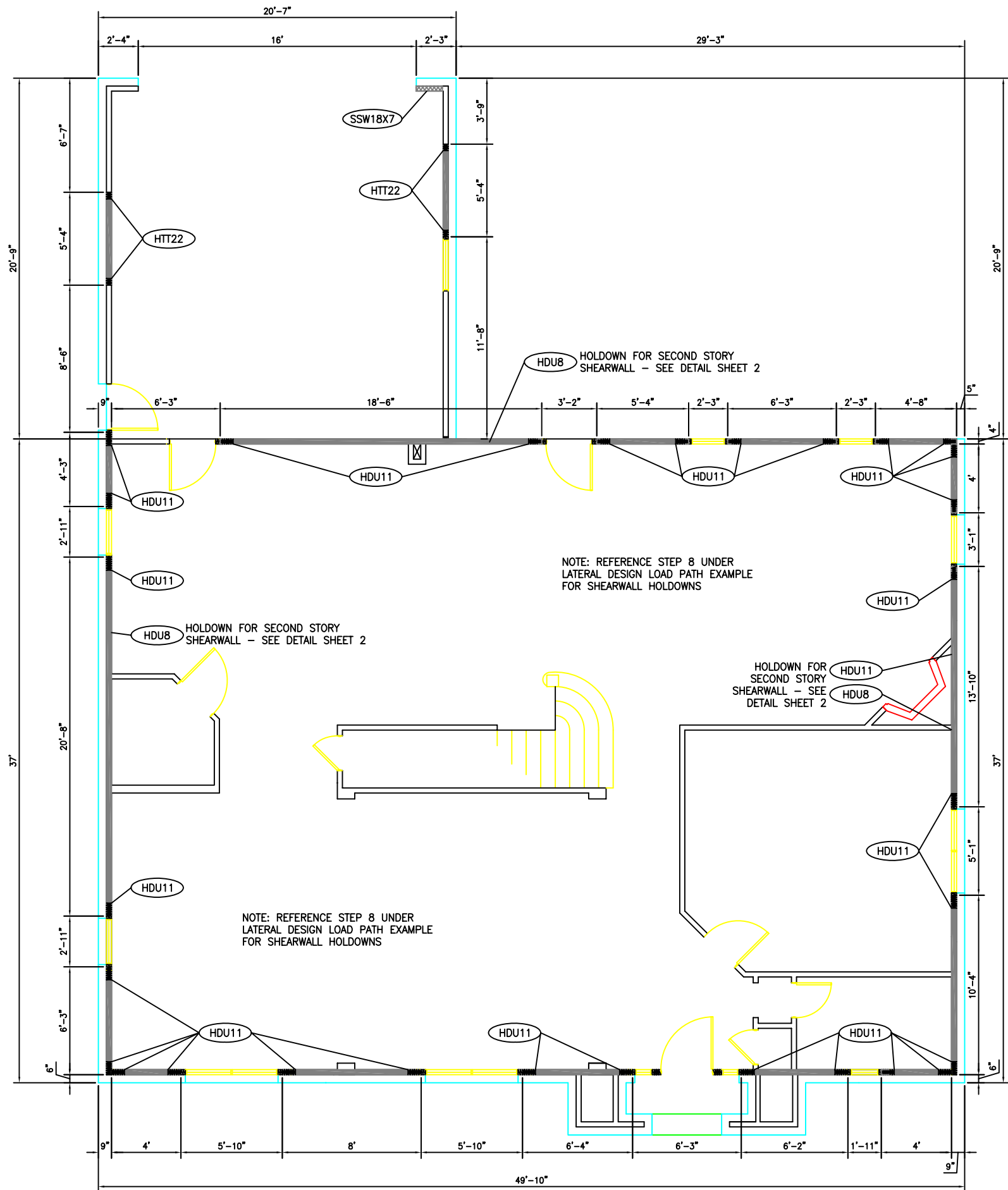


**PLAN KEY**

SIMPSON STEEL STRONG-TIE WALL PANEL  
 SITE-BUILT SHEARWALL



**FIRST FLOOR LATERAL LOAD PATH OVERVIEW**  
 REFERENCE FIGURE 3.1b OPTION 1 IN THE WOOD FRAME CONSTRUCTION MANUAL



FIRST FLOOR PLAN  
 NTS



**SIMPSON STRONG-TIE COMPANY, INC.**  
 2221 COUNTRY LANE, MCKINNEY, TX, 75069  
 Tel: (800) 999-5099 Fax: (972) 542-4139  
**SIMPSON Strong-Tie**  
 THERE IS NO EQUAL

**HIGH WIND FRAMING CONNECTION GUIDE**  
 DESIGN EXAMPLE 2 - 120 MPH

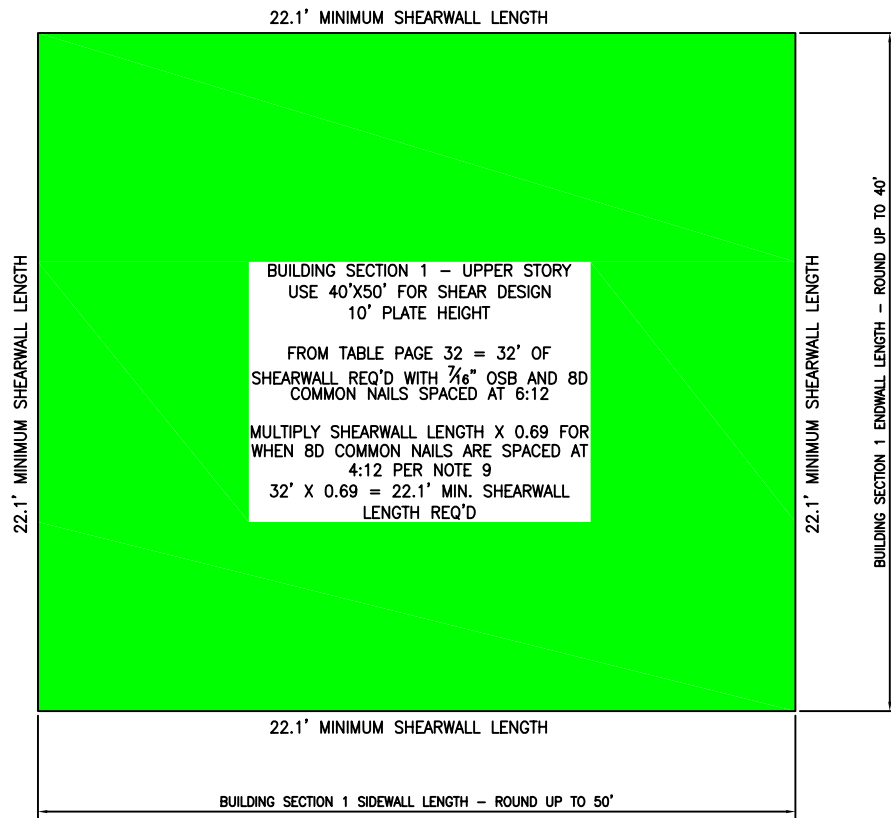
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| DATE      | 02-28-2007    |
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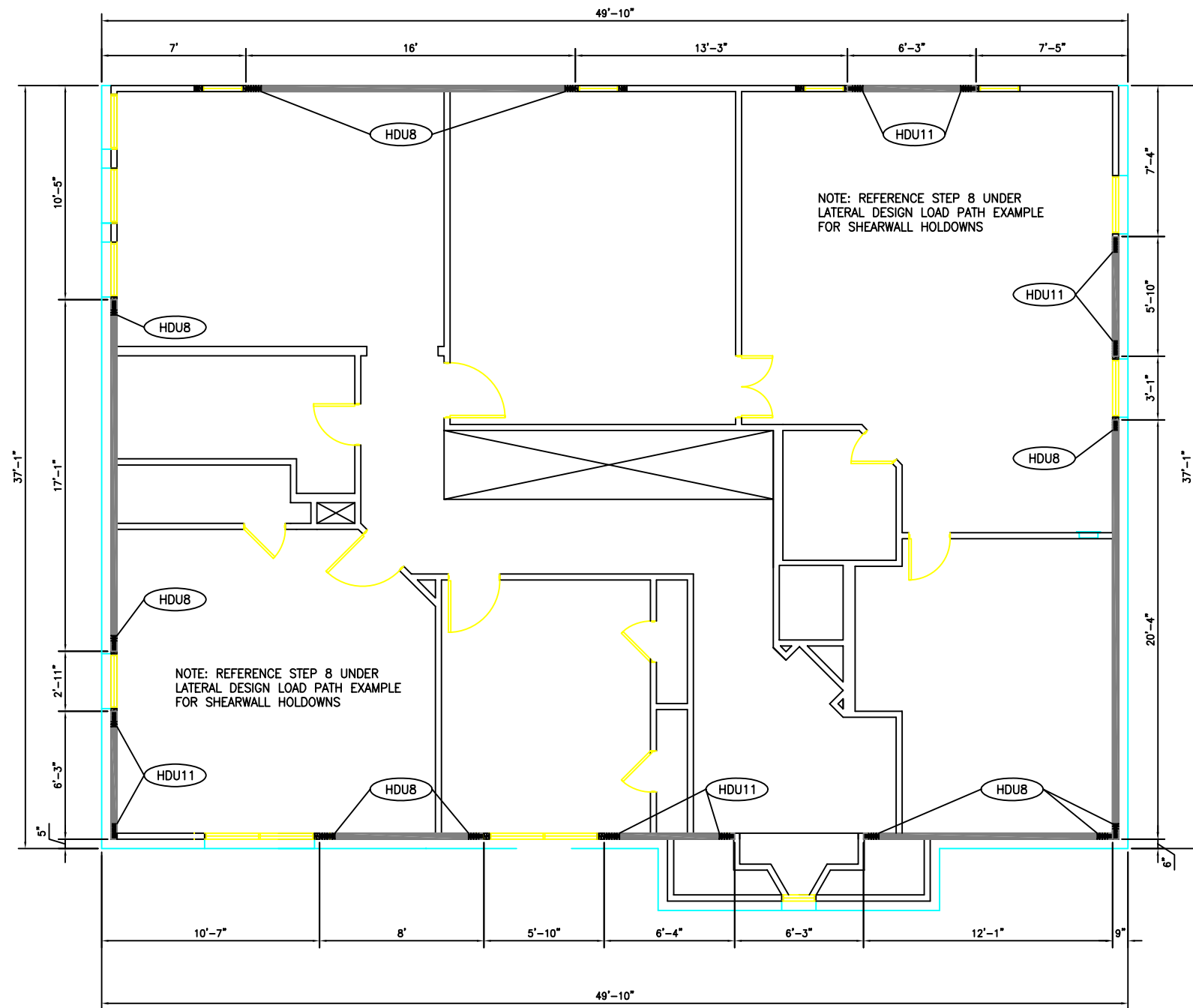
**PLAN KEY**

-  SIMPSON STEEL STRONG-WALL PANEL
-  SITE-BUILT SHEARWALL

NOTE: REFERENCE STEP 5 UNDER LATERAL DESIGN LOAD PATH EXAMPLE FOR MINIMUM LENGTHS FOR ALL SITEBUILT SHEARWALLS



**SECOND FLOOR LATERAL LOAD PATH OVERVIEW**  
REFERENCE FIGURE 3.1b OPTION 1 IN THE  
WOOD FRAME CONSTRUCTION MANUAL



**SECOND FLOOR PLAN**  
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**HIGH WIND FRAMING CONNECTION GUIDE**  
DESIGN EXAMPLE 2 - 120 MPH


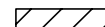


**SIMPSON Strong-Tie**  
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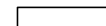



REFERENCE STEP 2 UNDER LATERAL DESIGN LOAD PATH  
EXAMPLE FOR ROOF DIAPHRAGM ATTACHMENT

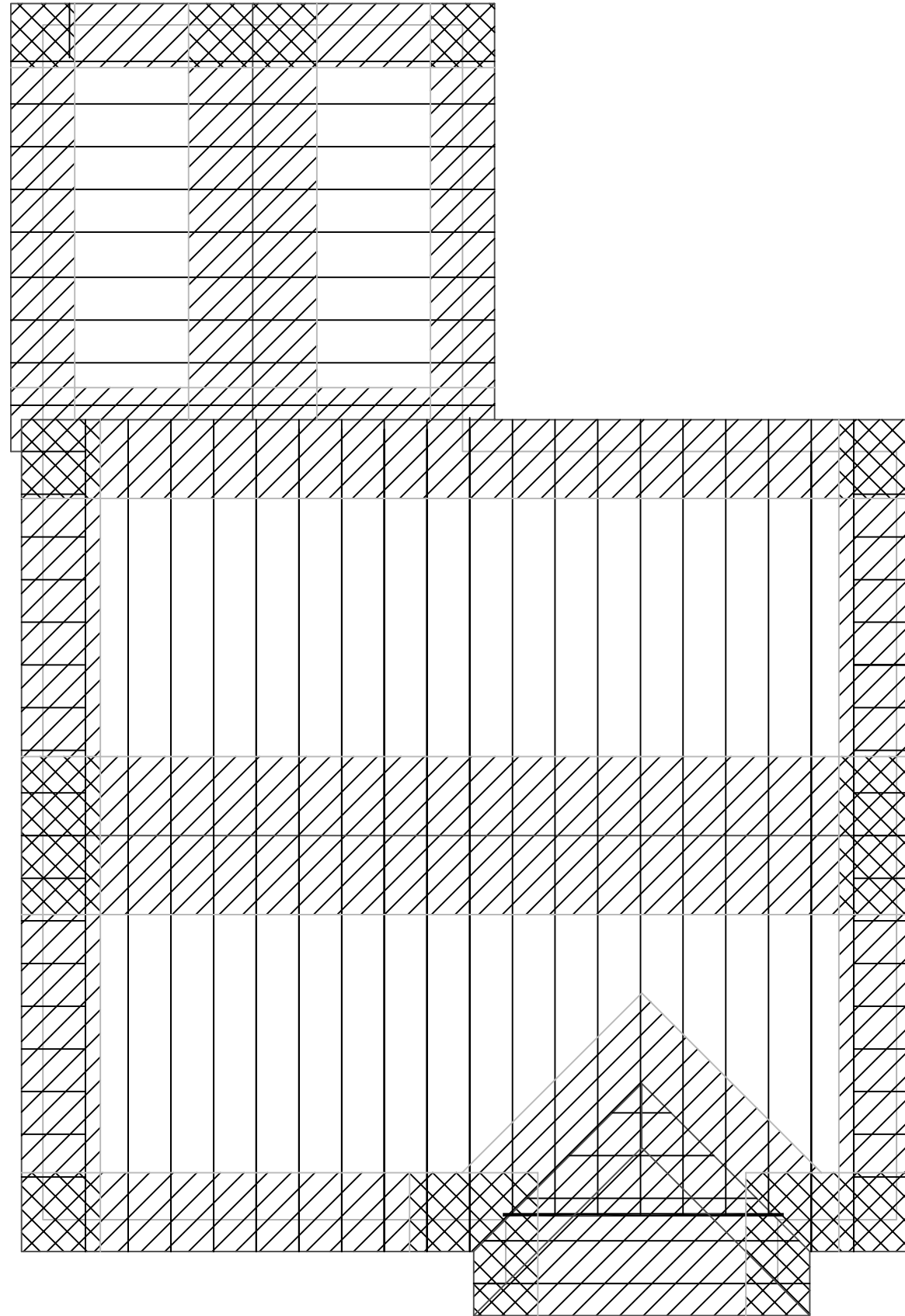
PER THE HWFCG PAGE 27, ZONES 2, 3 AND 3 OVERHANG  
ARE MEASURED AS 10% OF THE MINIMUM BUILDING  
DIMENSION BUT NOT LESS THAN 3 FEET. THIS DIMENSION  
OCCURS ALONG THE PERIMETER OF THE ROOF AND ALONG  
THE RIDGES.

BUILDING SECTION 1:

-  ZONE 1 IS THE INTERIOR PORTION OF THE ROOF DIAPHRAGM
-  ZONE 2 IS MEASURED AT 10% OF 37' OR 3.7' BUT NOT LESS THAN 3' AND OCCURS ALONG THE EDGES AND RIDGES OF THE ROOF
-  ZONE 3 OCCURS AT THE CORNERS OF THE ROOF AND IS 3.7' X 3.7'
-  ZONE 3 OVERHANG IS THE OVERHANG PORTION

BUILDING SECTIONS 2:

-  ZONE 1 IS THE INTERIOR PORTION OF THE ROOF DIAPHRAGM
-  ZONE 2 IS MEASURED AT 10% OF THE MINIMUM BUILDING DIMENSION BUT NOT LESS THAN 3' AND OCCURS ALONG THE EDGES AND RIDGES OF THE ROOF. IN ALL SECTIONS 3' IS THE MINIMUM
-  ZONE 3 OCCURS AT THE CORNERS OF THE ROOF AND IS 3' X 3'
-  ZONE 3 OVERHANG IS THE OVERHANG PORTION



⊕ ROOF FRAMING PLAN  
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HIGH WIND FRAMING  
CONNECTION GUIDE  
DESIGN EXAMPLE 2 - 120 MPH



NAME A.H.

DATE 02-28-2007

SCALE NO SCALE

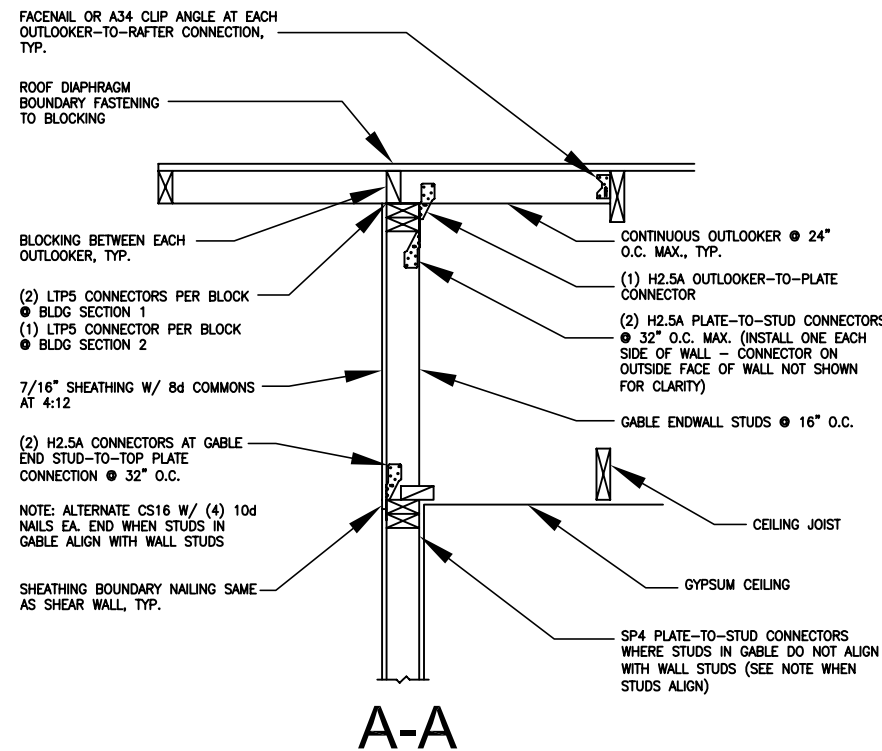
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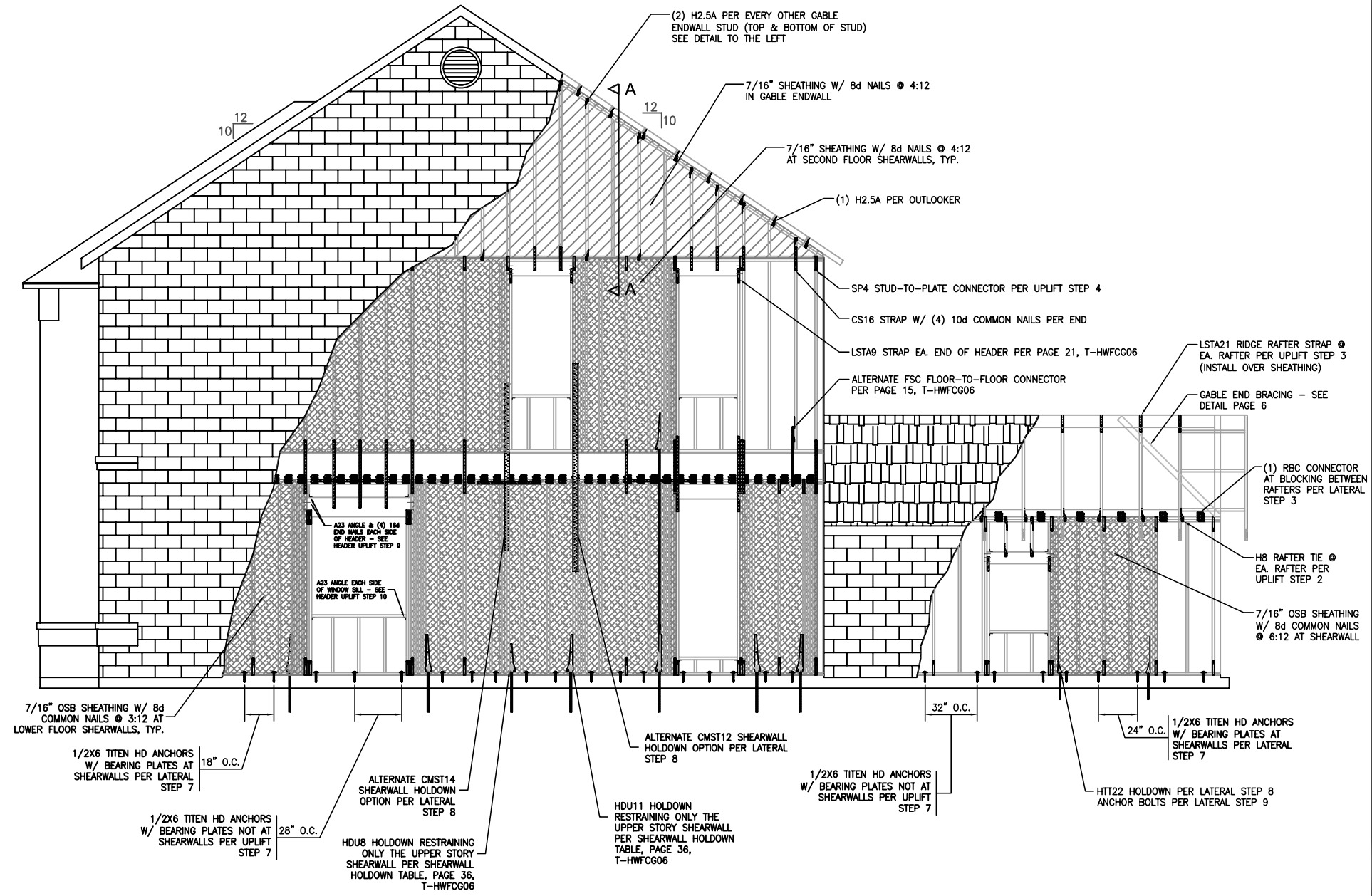
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3 OF 6 SHEETS

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A-A



RIGHT ELEVATION  
NTS

## GABLE END UPLIFT CONNECTIONS

DETAIL ABOVE ADDRESSES THE UPLIFT CONNECTORS REQUIRED AT GABLE ENDS PER TABLES AND DETAILS ON PAGE 22, T-HWFCG06. GABLE ENDWALL HAS BEEN PLATFORM FRAMED IN THIS EXAMPLE AND WILL NEED TO BE BRACED BY ONE OF THE TWO METHODS OUTLINED ON PAGE 25 OF T-HWFCG06.

NOTE: LATERAL BRACING NOT SHOWN ON THIS DETAIL FOR CLARITY. SEE DETAIL SHEET 6 FOR BRACING USING SIMPSON GBC CONNECTORS.

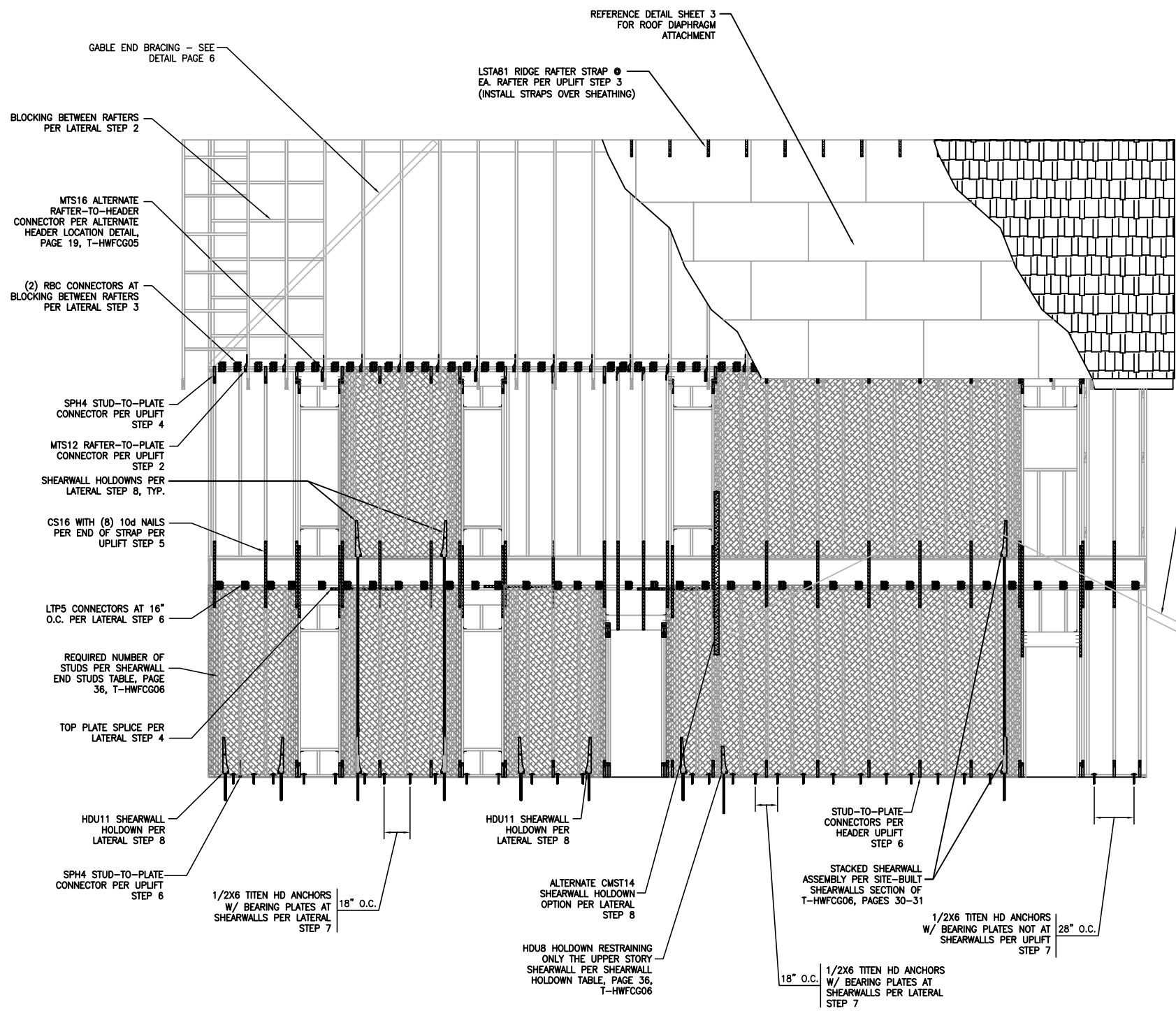
**SIMPSON Strong-Tie**  
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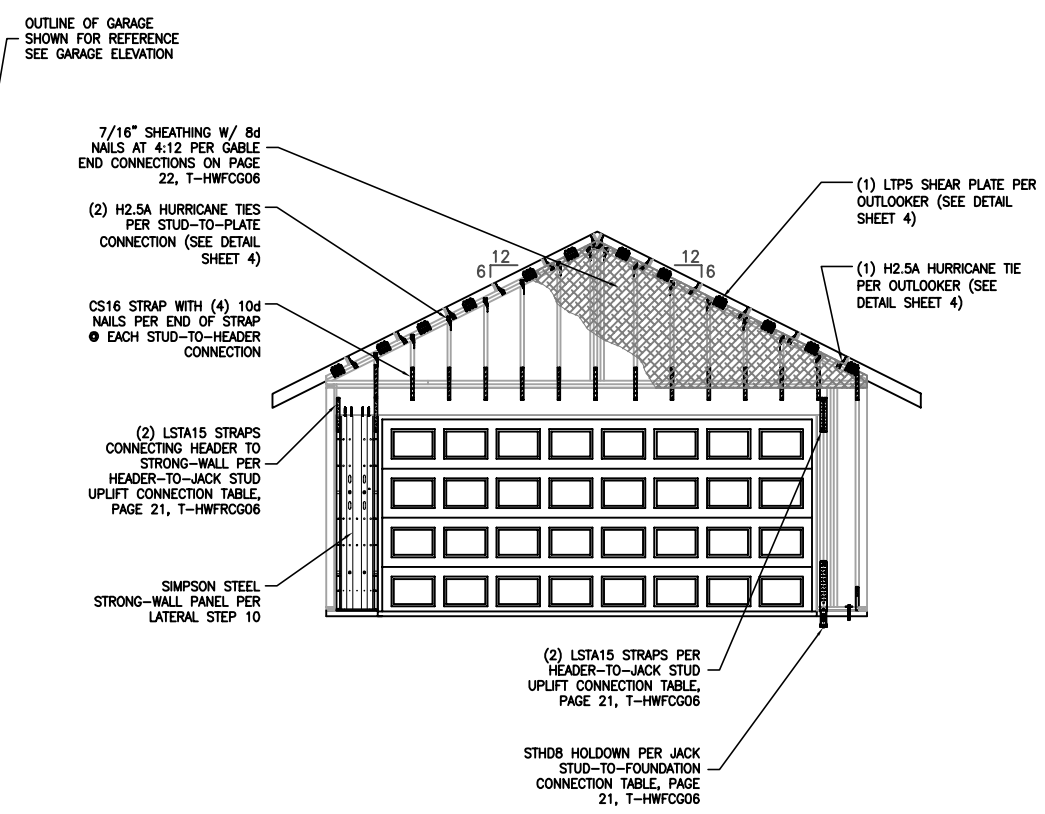
**HIGH WIND FRAMING CONNECTION GUIDE**  
DESIGN EXAMPLE 2 - 120 MPH

**SIMPSON Strong-Tie**  
THERE IS NO EQUAL

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| NAME      | A.H.          |
| DATE      | 02-28-2007    |
| SCALE     | NO SCALE      |
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|           | 4 OF 7 SHEETS |
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REAR ELEVATION  
NTS



GARAGE ELEVATION  
NTS

**HIGH WIND FRAMING  
CONNECTION GUIDE**  
DESIGN EXAMPLE 2 - 120 MPH

|           |               |
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| NAME      | A.H.          |
| DATE      | 02-28-2007    |
| SCALE     | NO SCALE      |
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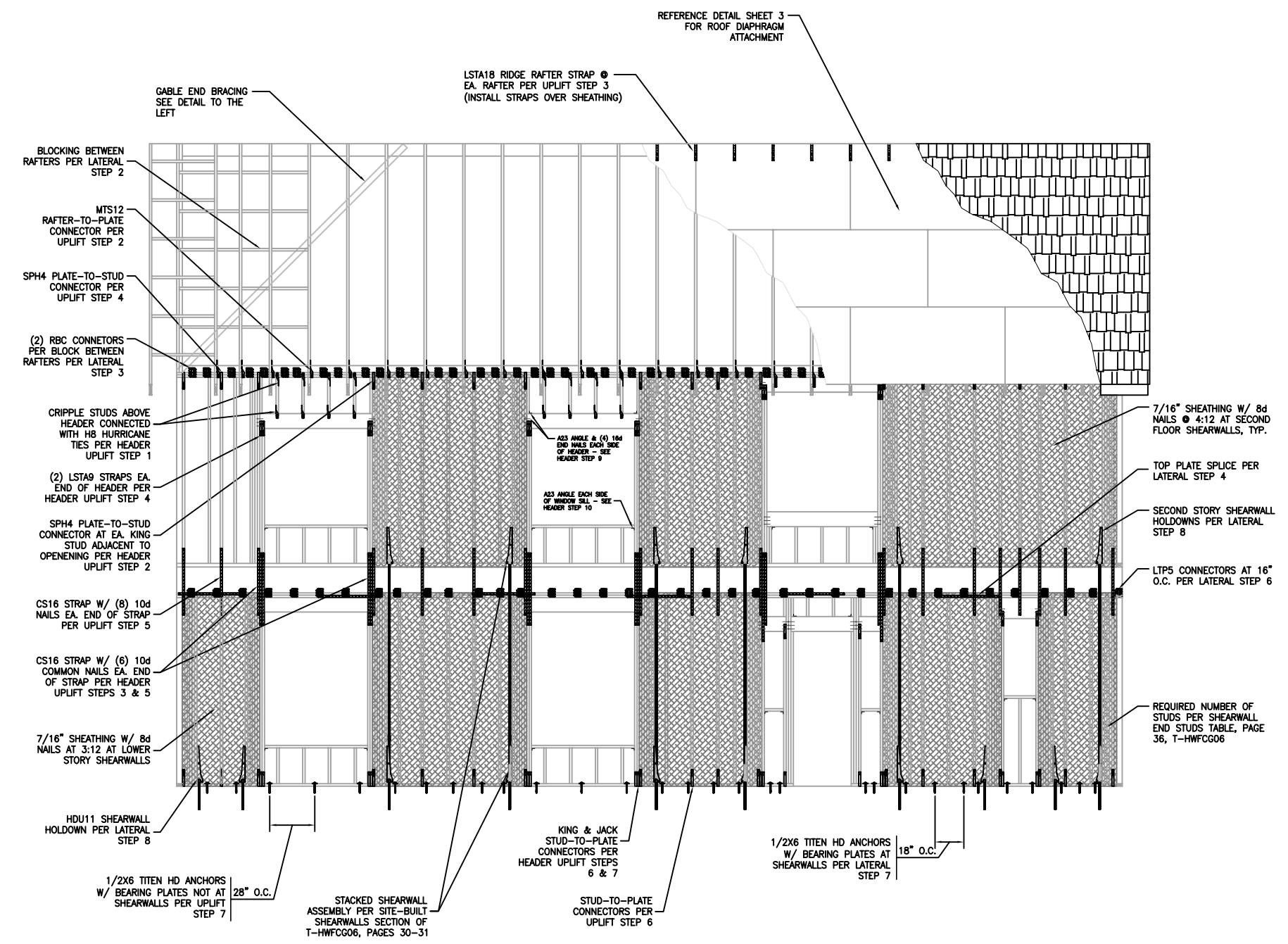
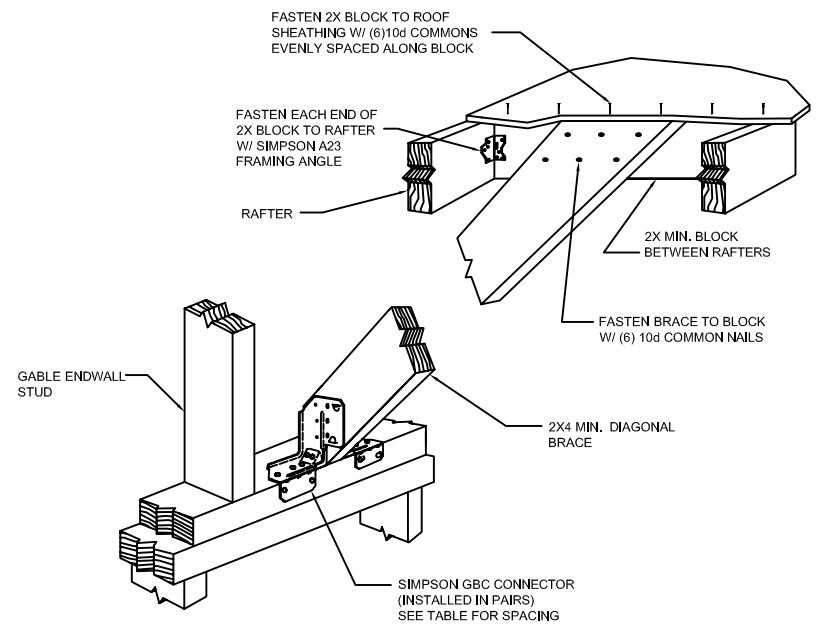
## GABLE END LATERAL BRACING

GABLE ENDWALL HAS BEEN PLATFORM FRAMED AND WILL NEED TO BE BRACED BY ONE OF THE TWO METHODS OUTLINED ON PAGE 25 OF T-HWFCG06.

THIS EXAMPLE USES THE SIMPSON GBC CONNECTORS EVENLY SPACED ALONG THE DOUBLE TOP PLATE OF THE GABLE ENDWALL.

SPACING OF THE GBC CONNECTORS SHALL BE NO MORE THAN 38" ON CENTER.

NOTE: UPLIFT CONNECTORS NOT SHOWN FOR CLARITY



FRONT ELEVATION  
 NTS

**DESIGN ASSUMPTIONS:**

SINGLE FAMILY RESIDENCE  
 120 MPH WIND SPEED – EXPOSURE 'B'  
 10:12 ROOF PITCH BUILDING SECTION 1  
 6:12 ROOF PITCH BUILDING SECTION 2  
 10' UPPER & LOWER STORY PLATE HEIGHT  
 8' GARAGE PLATE HEIGHT  
 2X SYP ROOF RAFTERS @ 24" O.C.  
 2X4 SYP DOUBLE TOP PLATES AND SILL PLATE  
 2X4 SPF No. 2 GRADE STUDS @ 16" O.C.

**LATERAL LOAD PATH DESIGN EXAMPLE**

1. SEPARATE STRUCTURE INTO SMALLER RECTANGULAR STRUCTURES PER PAGE 119 OF THE WFCM:

W X L  
 37' x 50' APPROXIMATE DIMENSIONS FOR BUILDING SECTION 1  
 21' x 21' APPROXIMATE DIMENSIONS FOR BUILDING SECTION 2 (GARAGE)

2. ROOF DIAPHRAGM ATTACHMENT: PAGE 26

BUILDING SECTION 1:  
 USE 19/32" MIN. THICKNESS ROOF SHEATHING AND WSNTL212 SCREWS SPACED AT 6:12 IN ROOF ZONES 1 & 2. REDUCE FASTENER SPACING TO 4:12 IN ZONE 3 & ZONE 3 OVERHANG.

NOTE: BLOCKING REQUIRED AT SHEATHING EDGES A MINIMUM OF 5 FEET EACH END OF ROOF DIAPHRAGM AND AT THE RAFTER TO WALL CONNECTION.

BUILDING SECTION 2:  
 USE 15/32" MIN. THICKNESS ROOF SHEATHING AND WSNTL212 SCREWS SPACED AT 6:12 IN ZONE 1. REDUCE FASTENER SPACING TO 4:12 IN ZONE 2, ZONE 3, & ZONE 3 OVERHANG.

NOTE: BLOCKING NOT REQUIRED AT SHEATHING EDGES EXCEPT FOR AT THE RAFTER TO WALL CONNECTION.

3. BLOCKING SHEAR CONNECTION TO TOP OF WALL: SIDEWALLS—PAGE 28; GABLE ENDWALLS—PAGE 22

BUILDING SECTION 1:  
 INSTALL (2) RBC CONNECTOR PER BLOCK IN THE 50' WALL LINE.  
 INSTALL (2) LTP5 CONNECTORS PER BLOCK BETWEEN OUTLOOKER IN THE GABLE END.

BUILDING SECTION 2:  
 INSTALL (1) RBC CONNECTOR PER BLOCK IN WALL LINES OPPOSITE GARAGE FRONT.  
 INSTALL (1) LTP5 CONNECTORS PER BLOCK BETWEEN OUTLOOKER IN THE GABLE END.

4. COLLECTOR AND STRUT FASTENING: PAGE 29

LOWER STORY:  
 AT EACH SPLICE, INSTALL (19) SDS1/4x3 SCREWS EACH SIDE OF SPLICE ALONG WITH A CS14 STRAP WITH (17) 10d NAILS EACH SIDE OF SPLICE.

UPPER STORY:  
 AT EACH SPLICE, INSTALL (19) SDS1/4x3 SCREWS EACH SIDE OF SPLICE.

NOTE: SPLICES SHALL BE NO CLOSER THAN 8'-0" IN EITHER STORY.

5. MINIMUM SHEARWALL LENGTH REQUIREMENT: PAGE 32 & 33

BUILDING SECTION 1 – LOWER STORY:  
 SELECT 27.8' OF SHEARWALL LENGTH LISTED IN TABLE ON PAGE 33. THE MINIMUM SHEARWALL LENGTH SHALL BE FOR EACH WALL LINE. THE TOTAL SHEARWALL LENGTH MAY BE BROKEN UP INTO SMALLER SHEARWALL SEGMENTS NO SMALLER THAN 2'-11" PER NOTE 1. THE MAXIMUM DISTANCE BETWEEN SHEARWALLS AND FROM THE CORNERS IS 11'-0", PER PAGE 29.

NOTE: ADDITIONAL SHEARWALL LENGTH REQUIRED WHERE GARAGE ATTACHES – SEE BUILDING SECTION 2 FOR MORE INFORMATION.

BUILDING SECTION 1 – UPPER STORY:  
 SELECT 32' OF SHEARWALL LENGTH LISTED IN TABLE ON PAGE 32. REDUCE SHEARWALL LENGTH BY USING 4:12 NAILING SCHEDULE. MULTIPLY SHEARWALL LENGTH BY 0.69 FACTOR PER FOOTNOTE 9. THE REDUCED MINIMUM SHEARWALL LENGTH IS 32' X 0.69 = 22.1' FOR EACH WALL LINE. THE TOTAL SHEARWALL LENGTH MAY BE BROKEN UP INTO SMALLER SHEARWALL SEGMENTS NO SMALLER THAN 2'-11" PER NOTE 1. THE MAXIMUM DISTANCE BETWEEN SHEARWALLS IS 16' AND FROM THE CORNERS IS 12', PER PAGE 29.

BUILDING SECTION 2 – GARAGE:  
 SELECT 6.5' OF SHEARWALL LENGTH LISTED IN TABLE ON PAGE 32. REDUCE SHEARWALL LENGTH FOR 8' WALL HEIGHT. MULTIPLY SHEARWALL LENGTH BY 0.80 FACTOR PER FOOTNOTE 3. THE REDUCED MINIMUM SHEARWALL LENGTH IS 6.5' X 0.80 = 5.2' FOR EACH WALL LINE. THE TOTAL SHEARWALL LENGTH MAY BE BROKEN UP INTO SMALLER SHEARWALL SEGMENTS NO SMALLER THAN 2'-4" PER NOTE 3. THE MAXIMUM DISTANCE BETWEEN SHEARWALLS IS 20' AND FROM THE CORNERS IS 12', PER PAGE 29.

NOTE: REAR OF GARAGE AND PORTION OF BUILDING SECTION 1 SHARE A SECTION OF WALL WHERE SHEARWALLS ARE REQUIRED. FURTHER ADJUST GARAGE SHEARWALL LENGTH BY 0.69 FACTOR FOR 4:12 NAILING SCHEDULE TO MORE CLOSELY MATCH THE 3:12 NAILING SCHEDULE FOR BUILDING SECTION 1. THE REDUCED MINIMUM SHEARWALL LENGTH IS 6.5' X 0.8 X 0.69 = 3.6' WHICH IS ADDED TO THE 27.8' OF SHEARWALL LENGTH REQUIRED FOR THE LOWER STORY OF BUILDING SECTION 1 TOTALING 31.4' OF SHEARWALL REQUIRED ACROSS REAR WALL LINE.

6. FLOOR TO FLOOR SHEAR TRANSFER: PAGE 34

BUILDING SECTION 1:  
 1. INSTALL LTP5 ANCHORS AT 16" O.C. ALONG THE SIDEWALL AND 8" O.C. ALONG THE GABLE ENDWALL AT THE RIM JOIST TO FIRST FLOOR TOP PLATES.  
 2. INSTALL SDS1/4x4 SCREWS THROUGH UPPER STORY SOLE PLATE TO RIM JOIST AT 6" ON CENTER IN ALL SHEAR WALLS AND 18" ON CENTER NOT AT SHEARWALLS.

7. SHEAR ANCHORS AT SITE BUILT SHEARWALLS: PAGE 35

BUILDING SECTION 1:  
 INSTALL TITEN HD 1/2 X 6 ANCHORS AND BP 1/2-3 SQUARE WASHERS AT 18" ON CENTER OR MASZ MUD SILL ANCHORS AT 10" ON CENTER IN SHEARWALLS.

BUILDING SECTION 2:  
 INSTALL TITEN HD 1/2 X 6 ANCHORS AND BP 1/2-3 SQUARE WASHERS AT 24" ON CENTER OR MASZ MUD SILL ANCHORS AT 12" ON CENTER IN SHEARWALLS.

8. SHEARWALL HOLDOWNS FOR SITE BUILT SHEARWALLS: PAGE 36

BUILDING SECTION 1:  
 UPPER STORY: INSTALL HDU8 HOLDOWNS AT EACH END OF SHEARWALLS 8'-0" OR LONGER (ALTERNATE CMST14 STRAP); INSTALL HDU11 HOLDOWNS AT SHEARWALLS LESS THAN 8'-0" IN LENGTH (ALTERNATE CMST12 STRAP)  
 LOWER STORY: INSTALL HDU11 HOLDOWNS WHERE SHEARWALLS ARE LESS THAN 8'-0" IN LENGTH STACK; INSTALL HDU8 WHERE ALTERNATE CMST14 IS USED AND HDU11 WHERE CMST12 IS USED FOR UPPER STORY SHEARWALL HOLDOWN.

BUILDING SECTION 2:  
 INSTALL HTT22 HOLDOWNS AT EACH END OF SHEARWALLS IN SIDEWALLS (SEE BUILDING SECTION 1 ABOVE FOR HOLDOWNS IN SHEARWALLS ALONG REAR OF GARAGE)

9. HOLDOWN ANCHOR BOLTS: PAGE 38

HDU11: INSTALL 1" DIA. X 36" HIGH STRENGTH ALL THREAD ROD CAST-IN-PLACE ANCHOR PER DETAILS ON PAGE 37 & TABLE ON PAGE 38 INCLUDING FOOTNOTES.

HDU8: INSTALL 7/8" DIA. X 24" HIGH STRENGTH ALL THREAD ROD CAST-IN-PLACE ANCHOR PER DETAILS ON PAGE 37 & TABLE ON PAGE 38 INCLUDING FOOTNOTES.

HTT22: INSTALL SSTB24 ANCHOR BOLTS PER DETAILS ON PAGE 37 & TABLE ON PAGE 38 INCLUDING FOOTNOTES.

10. USE PREFABRICATED WALLS WHERE SPACE CONSTRAINTS OCCUR: PAGE 46

BUILDING SECTION 2:  
 REPLACE 5.2' OF SITE BUILT SHEARWALL AT GARAGE FRONT WITH (1) SSW18X7 PANEL.

11. SSW ANCHOR BOLTS: PAGE 48

BUILDING SECTION 2:  
 INSTALL SSWAB1X24HS ANCHOR BOLTS WITH SSW18 TEMPLATE (USE LONGER SSWAB ANCHOR IF REQUIRED TO ACHIEVE SPECIFIED EMBEDMENT DEPTH IN FOOTING)

**UPLIFT LOAD PATH DESIGN EXAMPLE**

1. SEPARATE STRUCTURE INTO SMALLER RECTANGULAR STRUCTURES PER PAGE 119 OF THE WFCM:  
 37' ROOF SPAN FOR BUILDING SECTION 1 (MAIN HOUSE)  
 20' ROOF SPAN FOR BUILDING SECTION 2 (GARAGE)

2. EACH RAFTER TO TOP PLATE CONNECTION: PAGE 13

BUILDING SECTION 1:  
 USE MTS12 TWIST STRAPS

BUILDING SECTION 2:  
 USE H8 HURRICANE TIES

3. RAFTER RIDGE STRAP CONNECTION: PAGE 13

BUILDING SECTION 1:  
 USE LSTA18 STRAPS

BUILDING SECTION 2:  
 USE LSTA21 STRAPS

4. DOUBLE TOP PLATE TO EVERY OTHER STUD CONNECTION: PAGE 14

BUILDING SECTION 1:  
 USE SPH4 STUD-TO-PLATE CONNECTORS EVERY OTHER STUD

BUILDING SECTION 2:  
 USE SP4 STUD-TO-PLATE CONNECTORS EVERY OTHER STUD

NOTE: IF GABLE ENDWALL IS PLATFORM FRAMED, USE SP4 STUD-TO-PLATE CONNECTORS EVERY OTHER STUD IN BOTH BUILDING SECTIONS – REFERENCE CONNECTOR LOCATION 'E' IN 'STICK FRAMED GABLE END CROSS SECTION' ON PAGE 22.

5. EVERY OTHER STUD TO STUD CONNECTION: PAGE 15

BUILDING SECTION 1:  
 USE CS16 COIL STRAP W/ (16) 10d NAILS TOTAL W/ CUT LENGTH = 18" + CLEAR SPAN EVERY OTHER STUD

NOTE: IN GABLE ENDWALL, USE CS16 COIL STRAP W/ (8) 10d NAILS TOTAL W/ CUT LENGTH = 10" PLUS CLEAR SPAN EVERY OTHER STUD IN BOTH BUILDING SECTIONS REFERENCE FOOTNOTE 6, PAGE 15.

6. EVERY OTHER STUD TO SILL PLATE CONNECTION: PAGE 16

BUILDING SECTION 1:  
 USE SPH4 STUD TO PLATE CONNECTORS EVERY OTHER STUD

BUILDING SECTION 2:  
 USE SP4 STUD TO PLATE CONNECTORS EVERY OTHER STUD

NOTE: IN GABLE ENDWALL, USE SP4 STUD-TO-PLATE CONNECTOR EVERY OTHER STUD IN BOTH BUILDING SECTIONS – REFERENCE FOOTNOTE 5, PAGE 22.

7. SILL PLATE TO FOUNDATION ANCHORAGE (NOT AT SHEARWALLS): PAGE 17

BUILDING SECTION 1:  
 USE 1/2X6 THD W/ BP1/2-3 @ 28" O.C. OR USE MAS ANCHORS @ 14" O.C.

BUILDING SECTION 2:  
 USE 1/2X6 THD W/ BP 1/2-3 @ 32" O.C. OR USE MAS ANCHORS 20" O.C.

NOTE: IN GABLE ENDWALL, USE 1/2X6 THD W/ BP1/2-3 @ 32" O.C. OR USE MAS ANCHORS @ 20" O.C. IN BOTH BUILDING SECTIONS – REFERENCE FOOTNOTE 9, PAGE 17.

**UPLIFT LOAD PATH DESIGN EXAMPLE FOR HEADERS**

LOOK AT 5'-4" UPPER STORY WINDOW OPENING IN FRONT WALL OF BUILDING SECTION 1:  
 37' ROOF SPAN OCCURRING OVER WINDOW

THE FOLLOWING IS FOR EACH END OF THE HEADER:

1. EACH CRIPPLE STUD TO TOP PLATES AND HEADER AT WINDOW OPENING: DETAILS ON PAGE 19 & 20  
 USE H8 HURRICANE TIES AT EACH CRIPPLE STUD

NOTE: AS AN ALTERNATE, INSTALL HEADER DIRECTLY BENEATH TOP PLATES AND USE MTS16 TWIST STRAPS TO CONNECT RAFTER TO DIRECTLY TO HEADER (SEE ALTERNATE HEADER DETAIL, PAGE 19)

2. KING STUD TO TOP PLATES ADJACENT TO HEADER CONNECTION: PAGE 14 & DETAILS ON PAGE 19 & 20  
 USE SPH4 STUD TO PLATE CONNECTOR

3. UPPER STORY KING STUD TO STUD BELOW: PAGE 15 & DETAIL ON PAGE 20  
 USE CS16 STRAPPING W/ (8) 10d NAILS EACH END OF STRAP

4. JACK STUD TO HEADER CONNECTION: TABLE PAGE 21  
 USE (2) LSTA9 FLAT STRAPS (MIN. 2 JACK STUDS REQUIRED – ONE FOR EA. FLAT STRAP)

5. UPPER STORY JACK STUD TO STUD BELOW: DETAIL ONE AGE 20  
 USE CS16 STRAPPING W/ (6) 10d NAILS EACH END OF STRAP

6. LOWER STORY KING STUD TO SILL PLATE CONNECTION: PAGE 16  
 USE (1) SPH4 STUD TO PLATE CONNECTOR

7. LOWER STORY JACK STUD TO SILL PLATE CONNECTION: PAGE 21  
 USE (1) SP4 STUD TO PLATE CONNECTOR AT EA. JACK STUD (MIN. 2 JACK STUDS REQUIRED)

8. SILL PLATE TO FOUNDATION ANCHORAGE: DETAIL ON PAGE 19  
 USE (2) 1/2X6 THD W/ BP1/2-3 (INSTALL 1 EA. SIDE OF STUD PACK)

9. HEADER TO KING STUD CONNECTION: DETAIL ON PAGE 19  
 USE (1) A23 ANGLE IN ADDITION TO (4) 16d END NAILS

10. WINDOW SILL TO JACK STUD CONNECTION: DETAIL ON PAGE 19  
 USE (1) A23 ANGLE EACH END

**GENERAL NOTES AND INFORMATION:**

1. BUILDING CODES REQUIRE STRUCTURES TO BE DESIGNED WITH A SYSTEM OF CONNECTIONS THAT PROVIDE A CONTINUOUS LOAD PATH CAPABLE OF TRANSFERRING FORCES THROUGH THE FRAMING MEMBERS TO THE FOUNDATION. IN REGIONS OF THE COUNTRY PRONE TO HIGH WIND EVENTS, THIS METHOD OF CONSTRUCTION IS CRITICAL TO THE SAFETY AND WELFARE OF THE PUBLIC. REFERENCE SECTION 1604.4 IN THE INTERNATIONAL BUILDING CODE (IBC) AND SECTION R301.1 OF THE INTERNATIONAL RESIDENTIAL CODE (IRC).

2. THE HIGH WIND FRAMING CONNECTION GUIDE AND THESE DESIGN EXAMPLE DETAIL SHEETS WERE DEVELOPED USING THE 2001 EDITION OF THE WOOD FRAME CONSTRUCTION MANUAL (WFCM) REFERENCED IN THE 2003/2006 INTERNATIONAL RESIDENTIAL CODE, SECTION R301.2.1.1, AND MAY BE USED AS A COMPANION TO THE WFCM WHEN IT IS USED AS AN ALTERNATE DESIGN METHOD FOR ONE AND TWO FAMILY ONE AND TWO STORY DWELLINGS WHEN THE BASIC WIND SPEEDS EQUAL OR EXCEED THE MAXIMUM IN THE IRC.

3. USE OF THE 2001 WFCM OR OTHER ALTERNATE REFERENCE STANDARD IS REQUIRED WHEN THE WIND SPEED IS 110 MPH OR GREATER FOR THE 2003 IRC AND 100 MPH OR GREATER IN HURRICANE PRONE REGIONS FOR THE 2006 IRC.

4. THESE DESIGN EXAMPLE DETAIL SHEETS DO NOT PROVIDE A COMPLETE BUILDING DESIGN. THE USER IS RESPONSIBLE FOR DESIGNING OR CONSULTING A PROFESSIONAL DESIGNER TO ADDRESS ALL OTHER STRUCTURAL ELEMENTS NOT INCLUDED IN THIS DESIGN EXAMPLE. REFERENCE THE WFCM AND ALL APPLICABLE BUILDING CODES FOR ALL OTHER STRUCTURAL ELEMENTS, CONNECTIONS, FASTENING SCHEDULES AND MEMBER DESIGNS NOT INCLUDED IN THESE SHEETS.

5. THE CONNECTIONS SPECIFIED IN THIS DESIGN EXAMPLE ARE LIMITED TO THE APPLICATIONS AND BUILDING GEOMETRY PROVIDED. A QUALIFIED PROFESSIONAL DESIGNER SHALL BE CONSULTED FOR BUILDINGS OUTSIDE THE LIMITATIONS SET FORTH IN THE HIGH WIND FRAMING CONNECTION GUIDE.

6. THE TERM 'DESIGNER' USED THROUGHOUT THE HIGH WIND FRAMING CONNECTION GUIDE AND THESE DETAILS IS INTENDED TO MEAN LICENSED/CERTIFIED BUILDING DESIGN PROFESSIONAL, A LICENSED PROFESSIONAL ENGINEER, OR A LICENSED ARCHITECT.

7. SIMPSON STRONG-TIE CO., INC. RESERVES THE RIGHT TO CHANGE SPECIFICATIONS, DESIGNS, AND MODELS IN THIS DETAIL SHEET WITHOUT NOTICE OR LIABILITY FOR SUCH CHANGES.

8. UNLESS NOTED OTHERWISE, BUILDING DIMENSIONS ARE IN FEET, CONNECTOR SPACINGS ARE IN INCHES, LOADS ARE IN POUNDS AND WIND SPEEDS ARE NOMINAL 3-SECOND GUST MEASURED IN MILES PER HOUR.

9. DRAWINGS ARE FOR ILLUSTRATIVE PURPOSES ONLY. SOME ILLUSTRATIONS MAY SHOW THE CONNECTOR(S) ON THE OUTSIDE OF THE WALL. INSTALLATION ON THE INSIDE OF THE WALL IS ACCEPTABLE. FOR A CONTINUOUS UPLIFT LOAD PATH, CONNECTIONS IN THE SAME AREA (I.E. TRUSS-TO-PLATE AND PLATE-TO-STUD) SHALL BE ON THE SAME SIDE OF THE WALL.

10. WHEN MULTIPLE CONNECTORS ARE USED, THEY MUST BE INSTALLED SO FASTENER LOCATIONS DO NOT OVERLAP.

11. BUILT-UP LUMBER (MULTIPLE MEMBERS) MUST BE FASTENED TOGETHER TO ACT AS ONE UNIT TO RESIST THE APPLIED LOAD (EXCLUDING THE CONNECTOR FASTENERS). UNLESS NOTED OTHERWISE, THIS FASTENING SCHEDULE MUST BE DETERMINED BY THE DESIGNER.

12. SIMPSON CONNECTORS WHICH HAVE CAPACITIES MEETING OR EXCEEDING THOSE LISTED IN THE TABLES OF THE HIGH WIND FRAMING CONNECTION GUIDE MAY BE SUBSTITUTED.

13. REFERENCE SIMPSON STRONG-TIE'S CURRENT WOOD CONSTRUCTION CONNECTORS CATALOG FOR ADDITIONAL INFORMATION.

SIMPSON STRONG-TIE COMPANY, INC.

2221 COUNTRY LANE MCKINNEY, TX 75069  
 Tel: (800) 999-5099 Fax: (972) 542-4139



THERE IS NO EQUAL

HIGH WIND FRAMING  
 CONNECTION GUIDE  
 DESIGN EXAMPLE 2 - 120 MPH



THERE IS NO EQUAL

|           |               |
|-----------|---------------|
| NAME      | A.H.          |
| DATE      | 02-28-2007    |
| SCALE     | NO SCALE      |
| CHECKED   | S.H. / R.S.   |
| SHEET     | HWFCG2.0      |
|           | 7 OF 7 SHEETS |
| REVISION# | 0             |