



**ROOF ASSEMBLY REQUIREMENTS OVER EXPOSED GLU-LAM RAFTERS**

**RAFTERS AND DECKING**  
 2x T&G DECKING OVER 3/4" GLU-LAM RAFTERS @ 3'-6" O.C. FASTEN DECKING TO GLU-LAM RAFTERS W/ (2)-16d HDG COMMON NAILS PER DECK BOARD.

**ROOF FURLINS**  
 2x6 DF 2" ROOF FURLINS @ 32" O.C. OVER 2x6 DECKING. AT 6:12 ROOF AREA (LINES A-C, 1-12) INSTALL 2x4 BLOCKING @ 1'-0" O.C. OVER 2x6 DECKING (ALIGN W/ GLB RAFTERS) FOR WIDTH OF ROOF AREA. ANCHOR FURLINS THRU 2x6 DECKING TO GLB RAFTERS W/ 10"x 1/4" DIA. 'BLUE-MAX' LOG SCREWS @ 1'-0" O.C. OFFSET SCREW SPACING 3'-6" AT ADJACENT FURLINS AND ANCHOR ALL FURLINS TO LAST RAFTER AT RAKED EAVES. PRE-DRILL AS REQ'D. TO PREVENT SPLITTING OF 2x6 FURLINS W/ 3/16" DIA. BIT THRU FURLINS ONLY. PROVIDE 3" EMBEDMENT INTO TOPS OF GLB RAFTERS.

SEE ROOF FRAMING PLAN FOR FURLIN REQUIREMENTS. AT SKY-LITES.

**ADDITIONAL ROOF FRAMING ELEMENTS FOR PLYWOOD DIAPHRAGM**  
 WHERE SHOWN ON THE ROOF FRAMING AND ROOF DIAPHRAGM PLANS, PROVIDE 4x6 'DRAG-STRUTS' ON LINE WITH OR ADJACENT TO (AS SHOWN IN DETAILS) TIE-ROD BRACE FRAMES OR PLYWOOD SHEARWALLS. 4x6 SHALL BE INSTALLED FOR EXTENTS INDICATED AND SPLICED AT BREAKS W/ SIMPSON M5T31 STRAPS CENTERED ON BREAK. WHERE EAST-WEST 4x6 STRUTS CROSS NORTH-SOUTH STRUTS NORTH-SOUTH STRUTS SHALL BE INSTALLED FIRST AND EAST-WEST MEMBERS BUTTED TIGHT TO THEM AT EACH SIDE. FASTEN 4x6 'DRAG-STRUTS' THRU ROOF DECKING TO GLU-LAM RAFTERS OR TOP PLATES OF SHEARWALLS W/ 10"x1/4" DIA. 'BLUE-MAX' LOG SCREWS (BM10) AT SPACING REQUIRED BY DIAPHRAGM ON SHEET S2.4D. AFTER ALL 'DRAG-STRUTS', ROOF FURLINS, ROLL-OVER BLOCKING AND SPECIAL PLYWOOD BLOCKING HAS BEEN INSTALLED CONTACT STRUCTURAL ENGINEER FOR INSPECTION. DO NOT PROCEED WITH PLYWOOD INSTALLATION UNTIL ENGINEER HAS INSPECTED THIS WORK. INSULATION MAY BE INSTALLED PRIOR TO INSPECTION.

**PLYWOOD DIAPHRAGM**  
 3/4" APA RATED DIAPHRAGM SHEATHING OVER 2x6 ROOF FURLINS ACROSS ROOF SLOPE @ 32" (MAX) O.C. LAY PLYWOOD SHEETS WITH LONG SIDES UP & DOWN ROOF SLOPE STARTING FROM LOW EDGE OF ROOF PLANE TO EDGE OF HIGH ROOF EAVE OR FACE OF WINDOW WALL. FASTEN EDGES OF PLYWOOD SHEETS TO ALL SUPPORTS W/ 10d COMMON NAILS @ 6" O.C. EXCEPT WHERE CLOSER SPACING IS REQUIRED BY 'SPECIAL ROOF DIAPHRAGM REQUIREMENTS' AS INDICATED ON THE ROOF FRAMING PLAN AND LEGEND S2.4. PROVIDE 2x4 FLAT BLOCKING @ UNSUPPORTED SHEET EDGES WHERE 'SPECIAL DIAPHRAGM REQUIREMENTS' OCCUR FOR EDGE NAILING.

PERMIT SET			1/19/09

**WOOD FRAMED ROOF DETAILS**

PERMIT SET 01-19-09

Drawn by: WTV, RD, KC Job Number: WVA-28012  
 Checked by: WTV, RD, KC Scale: AS NOTED

PERMIT SET Date: 01/19/2009

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