MOST COMMONLY USED
EARTHQUAKE / WIND LOADS SHEAR TRANSFER DETAILS

EXAMPLES OF TIMBER TERMS

LOAD PATH EXAMPLE

Top of section
1. Roof panel
2. Nail (wood structural panel (panel)
boundary nailing) BN
3. Top chord of truss
4. Nail (panel edge nailing) EN
5. Wood structural panel
6. Nail (panel edge nailing) EN
7. Bottom chord of truss
8. FA connector
9. Upper top plate
10. Nail (panel edge nailing) EN
11. Wood structural panel
12. Nail (panel edge nailing) EN
13. Plate
14. Nail (shear nailing) SN
15. Blocking
16. FA connector
17. Upper top plate
18. Nail (panel edge nailing) EN
19. Wood structural panel
20. Nail (panel edge nailing) EN
21. Blocking
22. Plate
23. Ledger or blocking
24. Nail (ledger shear nailing) SN
25. Blocking
26. Nail (panel edge nailing) EN
27. Wood structural panel
28. Nail (panel edge nailing) EN
29. Wood structural panel blocking
30. Nail (panel edge nailing) EN
31. Wood structural panel
32. Nail (panel edge nailing) EN
33. Plate
34. Nail (shear nailing) SN
35. Blocking
36. FA connector
37. Upper top plate
38. Nail (panel edge nailing) EN
39. Wood structural panel
40. Nail (panel edge nailing) EN
41. Plate (foundation plate)
42. Anchor bolt
43. Footing
44. Earth

Bottom of section (point of application)

* FA connector consists of a bent sheet metal framing connector with nails attaching it to the two the adjacent elements. Toe-nails many be used in lieu of the FA connector when loads are less than 150 pounds per linear foot.

DIVISION OF BUILDING AND SAFETY
COUNTY OF VENTURA
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TYPICAL WOOD STRUCTURAL PANEL NAILING

2X TOP PLATE SPLICE (NAILED/BOLTED)

2 NAILED/SCREWED HOLD DOWN

3 BOLTED HOLD DOWN

4 TYPICAL SHEAR WALL INTERSECTIONS (NO HOLD DOWNS)

5 TYPICAL SHEAR WALL INTERSECTIONS (WITH HOLD DOWNS)

6 TYPICAL WOOD STRUCTURAL PANEL NAILING

7 2X TOP PLATE SPLICE (NAILED/BOLTED)

8 STRAP - BEAM TO TOP PLATES
9. **Exterior Footing**

10. **Exterior Footing with Cripple Wall**

11. **Exterior Shear Wall with Blocking**

12. **Interior Shear Wall Above**

13. **Interior Shear Wall with I-Joists**

14. **Exterior Shear Wall with I-Joists**

15. **Interior Shear Wall with I-Joists**
GABLE END TRUSS
OVER SHEAR WALL

BALLOONED FRAMED SHEAR WALL W/ LEDGER

RIM JOISTS AT SHEAR WALL

PLATFORM FRAMED SHEAR WALL W/ ATTIC RAKE

GABLE END TRUSS OVER SHEAR WALL

INTERIOR SHEAR WALL PERPENDICULAR TO TRUSSES

LOAD PATH EXTERIOR FLOOR/ROOF FRAMING

LOAD PATH EXTERIOR FLOOR/ROOF FRAMING
24  LOAD PATH
   INTERIOR FLOOR FRAMING

25  LOAD PATH
   INTERIOR WALL W/ CEILING JOISTS

26  LOAD PATH
   INTERIOR WALL W/ CEILING JOISTS

27  LOAD PATH
   INTERIOR WALL W/ CEILING JOISTS

28  LOAD PATH
   ROOF JOISTS AT PITCHED ROOF

29  LOAD PATH
   ROOF JOISTS AT PITCHED ROOF