| 1 | NEH/PBS 3/27/17 | TYPICAL RIDGE / COLLAR TIE DETAIL |
|---|---|---|
| SCALE: N.T.S. | | |

TABLE R602.3(1) FASTENING SCHEDULE

| ITEM | DESCRIPTION OF BUILDING ELEMENTS | NUMBER AND TYPE OF FASTENER [a,b,c] | SPACING AND LOCATION |
|---|---|---|---|
| | | ROOF | |
| 1 | BLOCKING BETWEEN CEILING JOISTS OR RAFTERS TO TOP PLATE | 4-8d BOX (2-1/2"x0.113") OR 3-8d COMMON (2-1/2"x0.131") OR 3-10d BOX (3"x0.128") OR 3-3"x0.131" NAILS | TOE NAIL |
| 2 | CEILING JOISTS TO TOP PLATE | 4-8d BOX (2-1/2"x0.113") OR 3-8d COMMON (2-1/2"x0.131") OR 3-10d BOX (3"x0.128") OR 3-3"x0.131" NAILS | PER JOIST, TOE NAIL |
| 3 | CEILING JOIST NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITIONS {(SEE SECTIONS R802.3.1, R802.3.2 AND TABLE R802.5.1(9)} | 4-10d BOX (3"x0.128") OR 3-16d COMMON (3-1/2"x0.162") OR 4-3"x0.131" NAILS | FACE NAIL |
| 4 | CEILING JOIST ATTACHED TO PARALLEL RAFTER (HEEL JOINT) {(SEE SECTIONS R802.3.1, R802.3.2 AND TABLE R802.5.1(9)} | TABLE R802.5.1(9) | FACE NAIL |
| 5 | COLLAR TIE TO RAFTER, FACE NAIL OR 1-1/4"x20GA. RIDGE STRAP TO RAFTER | 4-10d BOX (3"x0.128") OR 3-10d COMMON (3"x0.148") OR 4-3"x0.131" NAILS | FACE NAIL EACH RAFTER |
| 6 | RAFTER OR ROOF TRUSS TO PLATE | 3-16d BOX NAILS (3-1/2"x0.135") OR 3-10d COMMON NAILS (3"x0.148") OR 4-10d BOX (3"x0.128") OR 4-3"x0.131" NAILS | 2 TOE NAILS ON ONE SIDE AND 1 TOE NAIL ON OPPOSITE SIDE OF EACH RAFTER OR TRUSS |
| 7 | ROOF RAFTERS TO RIDGE, VALLEY OR HIP RAFTERS OR ROOF RAFTER TO MINIMUM 2" RIDGE BEAM | 4-16d (3-1/2"x0.135") OR 3-10d COMMON NAILS (3-1/2"x0.148") OR 4-10d BOX (3"x0.128") OR 4-3"x0.131" NAILS | TOE NAIL |
| | | 3-16d BOX (3-1/2"x0.135") OR 2-16d COMMON (3-1/2"x0.162") OR 3-10d BOX (3"x0.128") OR 3-3"x0.131" NAILS | END NAIL |
| | | WALL | |
| 8 | STUD TO STUD (NOT AT BRACED WALL PANELS) | 16d COMMON (3-1/2"x0.162") | 24" O.C. FACE NAIL |
| | | 10d BOX (3"x0.128") OR 3"x0.131" NAILS | 16" O.C. FACE NAIL |
| 9 | STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS) | 16d BOX (3-1/2"x0.135") OR 3"x0.131" NAILS | 12" O.C. FACE NAIL |
| | | 16d COMMON (3-1/2"x0.162") | 16" O.C. FACE NAIL |
| 10 | BUILT-UP HEADER (2" TO 2" HEADER WITH 1/2" SPACER) | 16d COMMON (3-1/2"x0.162") | 16" O.C. EACH EDGE FACE NAIL |
| | | 16d BOX (3-1/2"x0.135") | 12" O.C.EACH EDGE FACE NAIL |
| 11 | CONTINUOUS HEADER TO STUD | 5-8d BOX (2-1/2"x0.113") OR 4-8d COMMON (2-1/2"x0.131") OR 4-10d BOX (3"x0.128") | TOE NAIL |
| 12 | TOP PLATE TO TOP PLATE | 16d COMMON (3-1/2"x0.162") | 16" O.C. FACE NAIL |
| | | 10d BOX (3"x0.128") OR 3"x0.131" NAILS | 12" O.C. FACE NAIL |
| 13 | DOUBLE TOP PLATE SPLICE FOR SDCs A-$D_2$ WITH SEISMIC BRACED WALL LINE SPACING < 25' | 8-16d COMMON (3-1/2"x0.162") OR 12-6d BOX (3-1/2"x0.135") OR 12-10d BOX (3"x0.128") OR 12-3"x0.131" NAILS | FACE NAIL ON EACH SIDE OF END JOINT (MINIMUM 24" LAP SPLICE LENGTH EACH SIDE OF END JOINT) |
| | DOUBLE TOP PLATE SPLICE SDCs $D_0$, $D_1$ OR $D_2$; AND BRACED WALL LINE SPACING ≥ 25' | 12-16d (3-1/2"x0.135") | |

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CMH$_2$ INC

Structure Model: COLONIAL

N.T.S.

DETAILS

Drawn: 3/30/17 JMB
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3/30/17 RTA
4/3/17 RTA
4/4/17 RTA
Builder: 11256
Revision: 1
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| Revisions | | |
|---|---|---|
| 3/30/17 | RTA | |
| 4/3/17 | RTA | |
| 4/4/17 | RTA | |
| 6/6/17 | RTA | |
| 6/8/17 | RTA | |
| 7/26/17 | RTA | |