

DATE ISSUED  
JULY 1, 2005

# ONTARIO BUILDING CODE

## CONSTRUCTION DESIGN INFORMATION

C.D.I. NO.  
D1.1

REVISIONS

O.B.C. REFERENCE  
PART 9

### CARPORT

**NOTE:**  
MIN. 38mm (1½") END BEARING  
FOR JOISTS AND RAFTERS

SIZE OF ROOF STRUCTURE \_\_\_\_W \_\_\_\_L  
TYPE OF ROOF STRUCTURE SHED   
END GABLE   
COTTAGE   
FRONT GABLE

COUNTER FLASHING  
(EMBEDDED 25mm (1") IF BRICK)  
GALVANIZED FLASHING  
CAULKING

ENGINEERED ROOF TRUSSES YES  NO   
RAFTERS \_\_\_\_ X \_\_\_\_ @ \_\_\_\_ O.C.

ROOF SHEATHING THICKNESS  
-PLYWOOD \_\_\_\_  
-OSB \_\_\_\_  'H' CLIPS

PITCH

ROOFING TYPE -ASPHALT SHINGLE   
-OTHER \_\_\_\_\_

**NOTE:**  
RAFTER AND JOISTS NOT  
TO BE SUPPORTED ON  
BRICK VENEER WALL

CEILING JOISTS \_\_\_\_ X \_\_\_\_ @ \_\_\_\_ O.C.

13mm (½") MIN

ANCHORAGE REQUIREMENTS  
(SEE DETAIL SHEET E1.1)

BEAM (2) \_\_\_\_ X \_\_\_\_ (SEE TABLE)  
BEAM FIXED TO WOOD COLUMN W/METAL POST CAP,  
NAILING STRIP 89mm (3½") x 300mm (12") x  
19mm (¾") WOOD OR 3mm (1/8") STEEL STRAP  
EACH SIDE  
COLUMN SIZE \_\_\_\_ X \_\_\_\_ @ \_\_\_\_ O.C.  
MIN 89mm x 89mm (4"x4") WOOD COLUMN OR  
APPROVED EQUAL

COLUMN ANCHORAGE TO FOOTING BY METAL POST BASE  
WITH 12.7mm (½")Ø EXPANSION ANCHOR OR OTHER  
APPROVED METHOD

PROPOSED HEIGHT \_\_\_\_\_  
EXISTING BUILDING: WOOD FRAME \_\_\_\_\_  
SOLID MASONRY \_\_\_\_\_  
BRICK VENEER \_\_\_\_\_  
GRADE

ALLOWABLE BEAM SPAN	
BEAM SIZE	RAFTER SPAN mm (ft.)
2-38 x 140 (2X6)	3700(12'-2")
2-38 x 184 (2X8)	1800 (5'-11")
2-38 x 235 (2X10)	2200 (7'-3")
2-38 x 286 (2X12)	2700 (8'-11")
	3100 (10'-4")

WIDTH \_\_\_\_\_ (MAX. 11'-0")

150mm (6") MIN FINISHED GRADE

PIER FOUNDATIONS	
FOOTING SIZE	ROOF AREA SUPPORTED sq. m (sq.ft.)
200 (8") DIAMETER	2.1(23)
200 (8") x 200 (8")	2.8(30)
250(10") DIAMETER	3.3(36)
250(10") x 250(10")	4.3(46)
300(12") DIAMETER	4.8(52)
300(12") x 300(12")	6.1(66)
350(14") DIAMETER	6.6(71)
350(14") x 350(14")	8.4(90)

CONCRETE PIER  
MIN 200mm (8") x 200mm (8") OR 200mm (8")Ø

1200mm (4'-0") BELOW GRADE  
AND TO UNDISTURBED SOIL

NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_

DATE ISSUED  
JULY 1, 2005

# ONTARIO BUILDING CODE CONSTRUCTION DESIGN INFORMATION

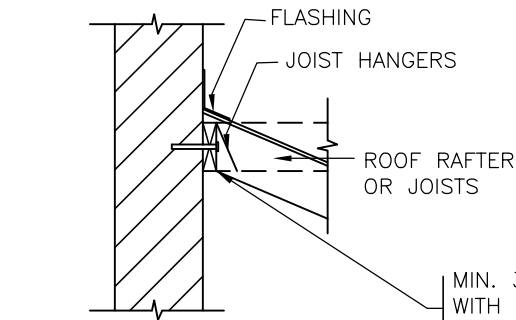
C.D.I. NO.  
E1.1

REVISIONS

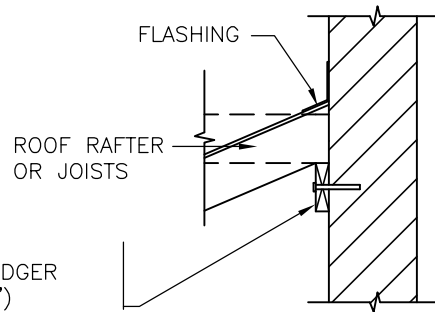
O.B.C. REFERENCE  
PART 9

## WALL ANCHORAGE DETAILS

### SOLID MASONRY WALL DETAILS



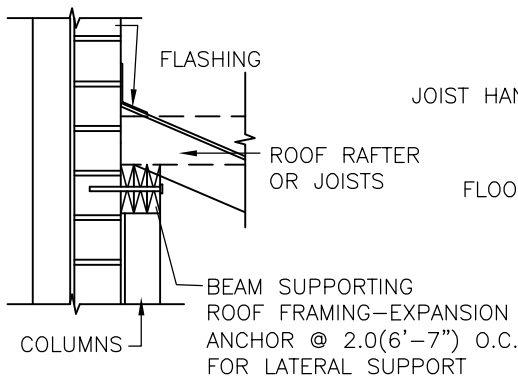
A) USING JOIST HANGERS



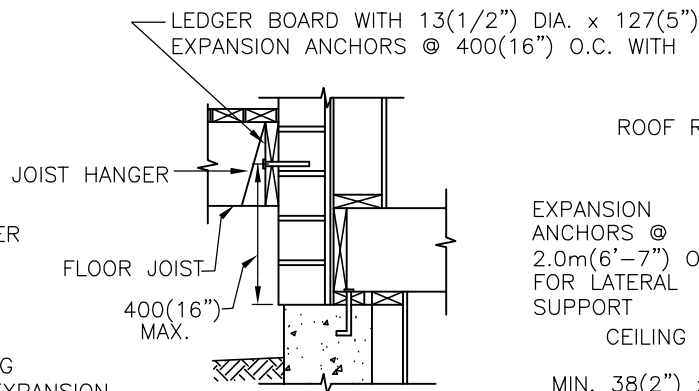
B) USING LEDGER BOARD

MIN. 38 x 140 (2" x 6") LEDGER  
WITH 13(1/2") DIA. x 127(5")  
EXPANSION ANCHORS @ 400(16") O.C.

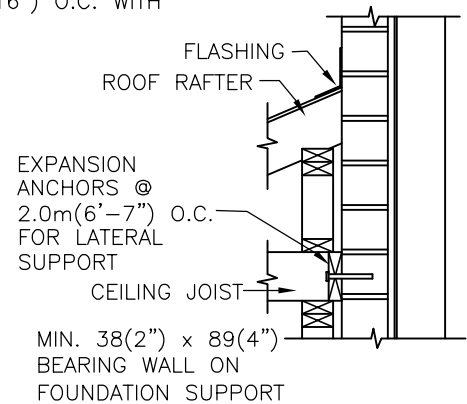
### BRICK VENEER WALL DETAILS



C) USING BEAM SUPPORT

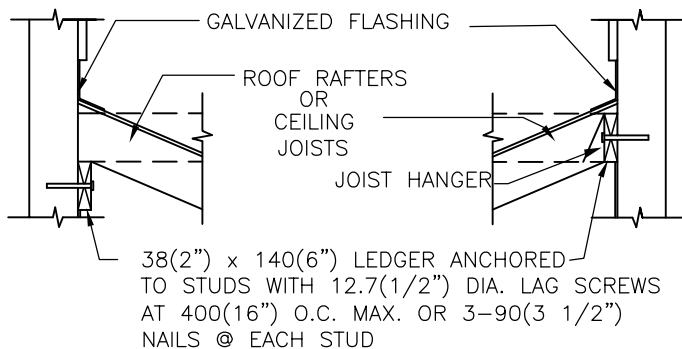


D) USING LEDGER BOARD



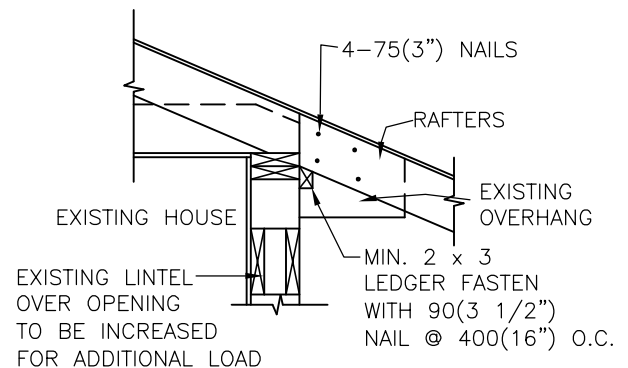
E) USING BEARING WALL SUPPORT

### WOOD FRAME WALL DETAILS



F) USING LEDGER BOARD

G) USING JOIST HANGERS



H) SPLICING TO EXISTING RAFTERS

NOTE: LEDGER BOARDS ATTACHED TO WOOD FRAME WALLS MAY BE ANCHORED TO WALL STUDS THROUGH STRUCTURAL SHEATHING SUCH AS PLYWOOD OR WAFERBOARD. IF THE STUD WALL IS SHEATHED WITH INSULATING SHEATHING, THE SHEATHING MUST BE CUT OUT TO PERMIT THE LEDGER TO BE FASTENED DIRECTLY AGAINST THE STUDS.