

# GBC

## Gable Brace Connector



This product is preferable to similar connectors because of (a) easier installation, (b) higher loads, (c) lower installed cost, or a combination of these features.

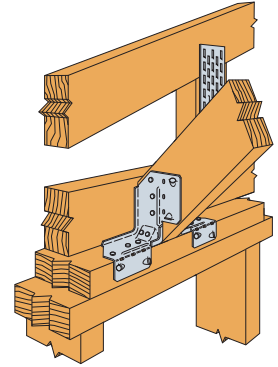
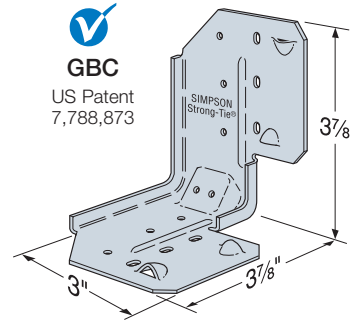
The GBC provides a proven, tested connection for the anchorage of building stability bracing to the top of the gable end wall. With allowable bracing installation angles between 40° to 60°, the GBC offers greater flexibility in a connector rated for both tension and compression loads.

**Material:** 16 gauge **Finish:** Galvanized

**Installation:**

- Use all specified fasteners; see General Notes
- The GBC must be installed in pairs to achieve full load capacity

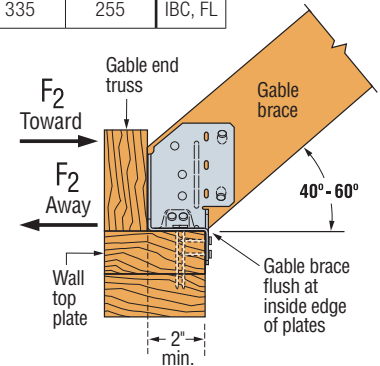
**Codes:** See p. 11 for Code Reference Key Chart



Typical GBC Installation

Model No.	Qty Req'd	Fasteners per Connector (in.)		DF/SP Allowable Loads (160) Perpendicular to Endwall (F <sub>2</sub> )				SPF/HF Allowable Loads (160) Perpendicular to Endwall (F <sub>2</sub> )				Code Ref.
				Toward GBC		Away from GBC		Toward GBC		Away from GBC		
		Gable Brace	Top Plates	Gable Brace Angle		Gable Brace Angle		Gable Brace Angle		Gable Brace Angle		
				40°-45°	46°-60°	40°-45°	46°-60°	40°-45°	46°-60°	40°-45°	46°-60°	
GBC	2	(5) 0.131 x 1 1/2	(7) 0.131 x 2 1/2	650	825	400	305	545	695	335	255	IBC, FL

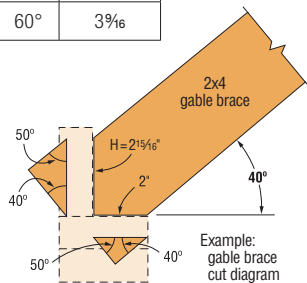
1. For 1 3/4" x 3 1/2" (or larger) LVL gable brace, the allowable load at 40° to 45° is 635 lb. towards anchors, 515 lb. away from anchors.
2. Loads have been increased for wind or earthquake loading, with no further increase allowed. Reduce where other loads govern.
3. Use a minimum 2x4 gable brace. Larger members may be used.
4. **Fasteners:** Nail dimensions are listed diameter by length. See pp. 21-22 for fastener information.



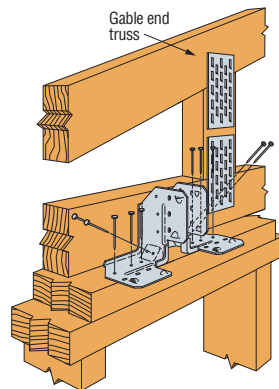
Typical Sloped Installation

## GBC Installation Sequence

Slope	H Dimension
40°	2 1/16"
50°	3 1/16"
60°	3 3/16"

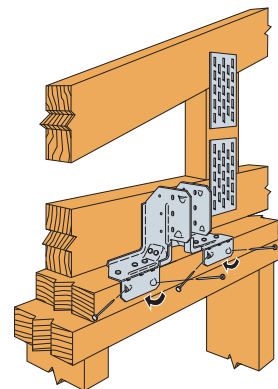


Example: gable brace cut diagram



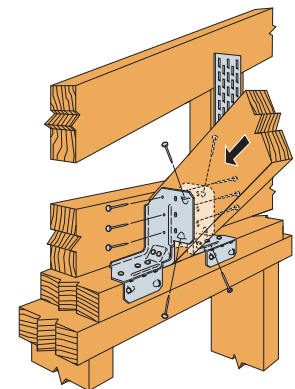
**Step 1**

Double angle cut the gable brace to sit flat on the wall double top plate and flush against the gable end truss for 2x4 top plate. The double angle cuts should form a 90° angle on the end of the gable brace.



**Step 2**

Set each GBC on top of the double top plate so that the bend line slots are flush with the inside edge of the double top plate. Install fasteners into the top of the double top plate.



**Step 3**

Bend GBC legs (one time only) over the inside of the double top plate and install fasteners.

**Step 4**

Install fasteners into the gable brace.  
**Note:** Attach the other end of the gable brace to blocking at the roof diaphragm as directed by the designer.