

**INSULATION & FENESTRATION REQUIREMENTS**

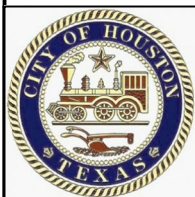
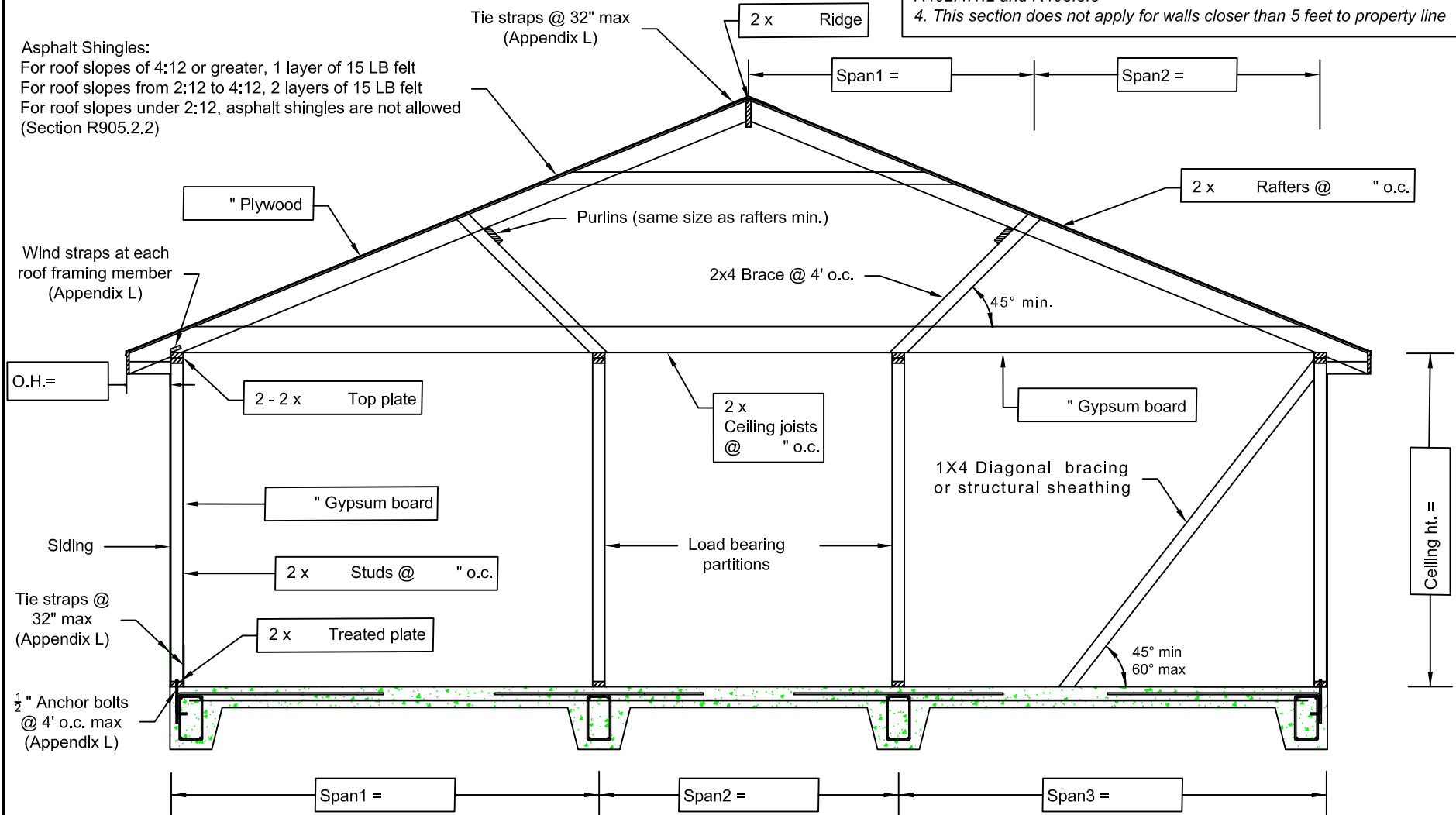
CLIMATE ZONE	FENESTRATION FACTOR	FENESTRATION SHGC	CEILING R-VALUE	WOOD FRAME WALL R-VALUE
2	0.40 (MAX)	0.25 (MAX)	38 (MIN)	13 (MIN)

**NOTES:**

1. Install wind strapping to provide continuous ties from the roof ridge to the foundation system as per appendix L of the City of Houston Residential Code
2. A continuous air barrier shall be installed in the building envelope, per IECC-Table R402.4.1.1
3. Blower door testing and duct testing will be required per IECC-sections R402.4.1.2 and R403.3.3
4. This section does not apply for walls closer than 5 feet to property line

**Asphalt Shingles:**


For roof slopes of 4:12 or greater, 1 layer of 15 LB felt  
 For roof slopes from 2:12 to 4:12, 2 layers of 15 LB felt  
 For roof slopes under 2:12, asphalt shingles are not allowed (Section R905.2.2)



STANDARD DRAWING  
**CITY OF HOUSTON**  
 HOUSTON PUBLIC WORKS  
 BUILDING CODE ENFORCEMENT

**RESIDENTIAL FRAMING CROSS-SECTION TEMPLATE**  
 (Braced Rafters)

1002 WASHINGTON AVE., HOUSTON, TEXAS 77002

APPROVED BY:  
  
 BUILDING OFFICIAL

DATE: 11 / 15 / 2022  
 DWG No: 22-02-R Rev. 1  
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