# Chapter 12

## WALL AND CEILING CONSTRUCTION

Name		Course		
Date		Score		
PART I: MATCHIN letter on the blank		s description listed below. Place the corresponding		
A. Ashlar ston B. Ceiling jois C. Common b D. Corner brace E. Cripples F. Door sched G. Fire cut	rick J cing K	<ul><li>H. Flashing</li><li>I. Rubble stonework</li><li>J. Sole plate</li><li>K. Subfloor</li><li>L. Trimmers</li><li>M. Veneer</li></ul>		
1. Framing memb	er used in residential frame wall cons	nstruction. 1.		
2. Provides a work	surface for the construction of the fra	rame walls. 2		
3. Short studs use	ed above and below wall openings.	3.		
4. Studs used in v	wall openings to support the header.	er. 4		
5. Provides addition	onal corner support in frame wall cons	onstruction. 5.		
6. Provides specification.	ic information about each door include	uded in the 6.		
7. Placed across the been added.	ne width of the structure after the top pl	plates have 7		
8. An angular cut falling in the e	at the end of a joist to prevent the vent of a fire.	e wall from 8		
9. Composed of o	dressed, cut, or squared stones.	9		
10. Composed of i	rregular-shaped field stones.	10		
11. Facing materia	l used in wall construction.	11.		
12. Prevents moistu walls.	ure from entering solid masonry or bri	orick veneer 12.		
3. May have a lip on one or more edges.		13		
PART II: MULTIPL	E CHOICE: Select the best answer a	and place its letter in the blank at right.		
<ol> <li>Which of the following lumber?</li> <li>A. Southern you</li> <li>B. Redwood.</li> </ol>	llowing species are generally used in wal	vall framing 1.		

C. Oak.

D. All of the above.

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2.	Frame wall construction begins with the: A. Header. B. Sole plate. C. Top plate. D. Studs.	2.
3.	Exterior wall corners provide:  A. Space for the wall to be built in small sections.  B. Adequate wind bracing.  C. Sufficient support for the building.  D. All of the above.	3.
4.	A nailing base for interior wall materials may be provided by:  A. A 2 x 6 fastened to cross blocking.  B. Placing 1/2 in. plywood sheathing next to the studs.  C. Applying rigid foam insulation to the wall section.  D. All of the above.	4.
5.	Header size refers to: A. The overall size of the header. B. The size of the material used. C. The size of the rough opening plus the size of the spacer. D. None of the above.	5.
6.	Trussed headers are more functional for: A. Frame walls without corner bracing. B. Areas subject to high winds. C. Openings wider than 8'-0". D. All of the above.	6.
7.	Special framing is needed for: A. Extra bathtub support. B. Wall openings for heating ducts. C. Wall backing for a water closet. D. All of the above.	7.  Luna spatia irasi aban mone di
8.	<ul> <li>Which of the following statements is true of masonry veneer?</li> <li>A. Moisture does not collect between the veneer and the frame wall.</li> <li>B. The veneer does not support the weight of the wall.</li> <li>C. The most common thickness used is 1 in.</li> <li>D. None of the above.</li> </ul>	8.
9.	A building material which has sharp corners and lines and is very uniform in size is:  A. Face brick.  B. Common brick.  C. Cobweb stone.  D. Random rubble.	9.
	RT III: COMPLETION: Complete each sentence with the proper responshe right column.	se. Place your answer on the blank
1.	The trend in residential frame wall construction is toward more and less on-site construction.	1.
2.	The most common lumber grade is grade.	2
3.	The sole plate functions as an anchor for the wall and a for interior and exterior wall sheathing.	3.

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	Name				
4.	A space of 8'-1 1/2" from the bottom of the ceiling joists to the top of the subfloor allows a finished wall height of approximately ft.	4			
5.	The advantage of using solid blocking is a (shorter/longer) construction time.				
6.	The distance is usually the same from the top of each window and door to the	6			
7.	All wall openings need a or lintel above the opening to provide support for the weight above.	7			
8.	To prevent the ceiling joists from interfering with the roof slope, the upper corner of the joist is cut to match the of the roof.		<i>b</i>		
9.	Framing around a ceiling opening for a disappearing stairway requires the use of headers.	9			<u>. 8</u>
10.	To provide support for a bow window, cantileveredshould be used.	10			
11.	Corrugated metal wall ties may be placed in mortar joints 16 in. apart vertically and in. apart horizontally. These bond the masonry wall to the frame wall or bond two thicknesses of masonry together.				
12.	One inch of dead air space should be left between masonry veneer and the wall.				
13.	Termite are placed at the base of solid masonry or brick veneers to prevent the entrance of termites.	13			
14.	The length, width, and thickness of one commonly used firebrick is (nominal size).	14			
PA	RT IV: SHORT ANSWER/LISTING: Provide brief answers to t	he followi	ng question	ns.	
1.	List the three types of residential wall construction.  A  B  C				
2.	AB.				
3.	C Why would the exterior frame wall be placed 1/2 to 3/4 in. in from the outside edge of the foundation wall.				
4.	Is greater shrinkage more likely to occur in solid blocking construction or cripple construction?				
5.	In frame wall construction, the header is usually longer than the rough opening. Explain why.				

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6. How does ceiling joist construction differ fr	rom floor joist construction?
7. List the advantages and disadvantages of co	ncrete block walls.
C Websay	or the distance is assumed the sages from the top of each
8. Advantages of a brick or stone veneer wall of AB.	SID BUSING OF HIS SERVICE SALE TO TOURISH TO GO ON
9. Identify the brick bonds shown below.  A.	B
C	D