

BORED / DRILLED HOLES

STUDS				
EXTERIOR WALL STUDS				
STUD SIZE:	2" X 4"	2" X 6"		
MAXIMUM NOTCH 25%:	3/8"	1 – 3/8"		
MAX HOLE 40% (single stud):	5/8"	2 – 3/16"		
MAX HOLE 60% (double stud):	7/8"	3 – 5/16"		
EDGE:	Holes at least 5/8" from the edge of the stud			
LOCATION:	Notches and holes not in the same section of the stud			
INTERIOR NON-BEARING WALL STUDS				
STUD SIZE:	2" X 4"	2" X 6"		
MAXIMUM NOTCH 40%:	5/8"	2 – 3/16"		
MAX HOLE 60% (single stud):	7/8"	3 – 5/16"		
MAX HOLE 60% (double stud):	7/8"	3 – 5/16"		
EDGE:	Holes at least 5/8" from the edge of the stud			
LOCATION:	Notches and holes not in the same section of the stud			
TOP PLATE (cut or drilled over 50% of width)				
16 gauge x 1-1/2" metal strap across opening with 8-16d nails each side				
RAFTERS, FLOOR JOISTS AND CEILING JOISTS				
SIZE	2" X 6"	2" X 8"	2" X 10"	2" X 12"
MAXIMUM NOTCH DEPTH:	7/8"	1-3/16"	1-1/2"	1-7/8"
MAXIMUM NOTCH LENGTH:	1-7/8"	2-3/8"	3"	3-3/4"
MAXIMUM HOLE SIZE:	1-1/2"	2-3/8"	3"	3-3/4"
HOLES PROHIBITED:	<ol style="list-style-type: none"> 1. Within 2" of edge of joist or rafter. 2. Within 2" of other holes. 3. Within 2" of any notch 			
NOTCH PROHIBITED:	Notches prohibited in middle 1/3 rd of span			
TRUSSES				
Trusses can not be cut, notched, or spliced without approval of an engineer.				

RESIDENTIAL GUARDRAILS

WHERE REQUIRED	
DECKS:	More than 30" above grade
PORCHES:	
BALCONIES:	
STEPS / STAIRS:	
MINIMUM HEIGHT	
DECKS:	Minimum 36" high
PORCHES:	Minimum 36" high
BALCONIES:	Minimum 36" high
STEPS / STAIRS:	Between 34" and 38" high
BALUSTERS / VERTICAL RAILS	
SPACING GENERAL:	Less than 4-inches apart
STAIRWAYS:	Less than 6-inches apart