



**ASSEMBLY 1:**  
STEEL STUD WALL ASSEMBLY  
WITHOUT EXTERIOR GYPSUM SHEATHING

**ASSEMBLY 2:**  
STEEL STUD WALL ASSEMBLY  
WITH EXTERIOR GYPSUM SHEATHING

**ASSEMBLY 3:**  
MASS WALL ASSEMBLY

LAYER	ASSEMBLY 1	ASSEMBLY 2	ASSEMBLY 3
1. BASE WALL SYSTEM	STEEL STUD MINIMUM 3 $\frac{5}{8}$ " DEPTH, MINIMUM 22 GAUGE AT A MAXIMUM OF 24 INCH O.C. WITH LATERAL BRACING EVERY 4 FT. VERTICALLY. LAYER OF $\frac{5}{8}$ " THICK TYPE X OR $\frac{1}{2}$ " THICK TYPE C GYPSUM WALL BOARD ON INTERIOR AND $\frac{1}{2}$ " OR $\frac{5}{8}$ " GYPSUM SHEATHING ON EXTERIOR		CONCRETE (TILT-UP OR CAST-IN-PLACE) OR CONCRETE MASONRY UNIT (CMU)
2. STUD CAVITY INSULATION	FIBER GLASS, MINERAL WOOL, EcoBay CC SPRAY FOAM, BASF WALLTITE SPRAY FOAM (WITH STONE, MASONRY AND STUCCO CLADDING ONLY) OR NONE		N/A
3. EXTERIOR GYPSUM SHEATHING	NONE	$\frac{1}{2}$ " OR $\frac{5}{8}$ " EXTERIOR GRADE GYPSUM	N/A
4. MEMBRANE AIR BARRIER OVER BASE WALL ASSEMBLY	N/A	FIRE RESIST BARRITECH VP, FIRE RESIST BARRITECH NP, FIRE RESIST 705FR OR NONE**	
5. EXTERIOR INSULATION	R2+ SHEATHE, MAXIMUM 3.1" THICK*		
6. MEMBRANE AIR BARRIER OVER EXTERIOR INSULATION	FIRE RESIST BARRITECH VP, FIRE RESIST BARRITECH NP, FIRE RESIST 705FR OR NONE	N/A	
7. EXTERIOR CLADDING***	MASONRY MINIMUM 3 $\frac{1}{2}$ " THICK, LIMESTONE OR NATURAL STONE VENEER MINIMUM 2" THICK, ARTIFICIAL CAST STONE VENEER MINIMUM 1 $\frac{1}{2}$ " THICK, TERRA COTTA CLADDING MINIMUM 1 $\frac{1}{4}$ " THICKNESS, METAL COMPOSITE MATERIAL (MCM) SYSTEMS THAT HAVE PASSED NFPA 285, SHEET METAL CLADDING, FIBER CEMENT SIDING, PORTLAND CEMENT STUCCO AND LATH MINIMUM $\frac{3}{4}$ " THICKNESS, STONE ALUMINUM HONEYCOMB COMPOSITE PANELS THAT HAVE PASSED NFPA 285		

\* R2+ SHEATHE BOARDS MAY BE TAPED OR SEALED AT JOINTS AND PENETRATIONS WITH CCW FOIL-GRIP 1402 TAPE OR WITH CAN FOAM

\*\* FOR APPROVAL OF WRB PRODUCTS BY OTHERS PLEASE CONTACT CCW

\*\*\* MAXIMUM ALLOWED SPACE BETWEEN CLADDING AND INSULATION IS 2"

DETAIL IS INTENDED TO BE A GUIDE  
FOR INSULATION INSTALLATION ONLY.

SH-0D

R2+ SHEATHE NFPA 285  
WALL ASSEMBLIES

**CARLISLE**  
COATINGS & WATERPROOFING

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