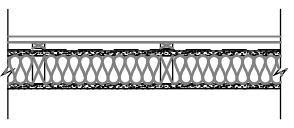
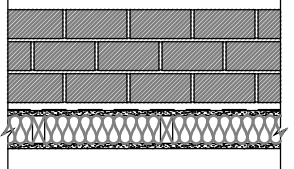
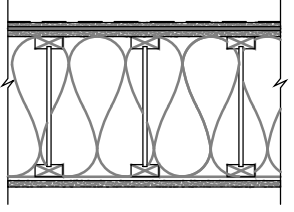


## EXTERIOR WALL ASSEMBLIES - FIRE RATED

KEY	FRR	INSULATION	UL-GA RATING		DESCRIPTION
W1C	1 hour	R-26.1	UL 364		<ul style="list-style-type: none"> <li>- HORIZONTAL VINYL SIDING - CONCEALED FASTENERS</li> <li>- 1X3 VERTICAL BATTENS AT EACH STUD</li> <li>- AIR BARRIER</li> <li>- 5/8" EXTERIOR GYPSUM SHEATHING</li> <li>- 1/2" PLYWOOD SHEATHING</li> <li>- 2X6 WOOD STUDS 16" O.C.</li> <li>- 3 1/2" POLYURETHANE FOAMED-IN-PLACE INSULATION ( R6.25 PER INCH )</li> <li>- VAPOR BARRIER</li> <li>- 5/8" TYPE 'X' GWB</li> </ul>
W4A	4 hour				<p>WALL CONSTRUCTION SIMILAR TO ( W1A ) WITH TRIPLE WHYTHE OF BRICK</p> <p>TRIPLE WYTHE BRICK WALL FIRE RATING OF 4 HOURS CALCULATED BY METHOD IN IBC 2003 - TABLE 721.4.1 AND EQUATION 7-7 FOR RATINGS OF MULTI-WHYTHE MASONRY WALLS</p> <p>(1) WHYTHE OF SOLID BRICK 3.75" THICK = 1.25 HRS</p> <p>(EQUATION 7-7) = ( 1.25 ^ 0.59 + 1.25 ^ 0.59 + 1.25 ^ 0.59 ) ^ 1.7 = 8.08 HRS</p>

## ROOF ASSEMBLIES - FIRE RATED

KEY	FRR	INSULATION	UL-GA RATING		DESCRIPTION
R1A	1 hour	R-56.6	UL P522 (similar)		<ul style="list-style-type: none"> <li>- ADHERED ROOF MEMBRANE</li> <li>- 1/2" FIBERBOARD ROOF UNDERLAYMENT</li> <li>- 1" MIN. TAPERED INSULATION (R5.0 PER INCH)</li> <li>- 3/4" T &amp; G ROOF SHEATHING - 9 1/2" JOISTS AT 12" O.C. MAX.</li> <li>- BLOWN-IN CELLULOSE - COMPLETELY FILL CAVITY (R-3.13 PER INCH)</li> <li>- VAPOR BARRIER</li> <li>- 1/2" MTL RESILIENT SOUND CHANNELS 16" O.C.</li> <li>- 1 LAYER 5/8" TYPE 'X' GWB</li> </ul>



ENGINEER OF RECORD

**RESURGENCE**

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Drawn By: EJA

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OFFICE ADDITION  
61 INDIA STREET  
PORTLAND, ME

Drawing:

EXTERIOR WALL & ROOF  
ASSEMBLIES

Scale:

AS SHOWN

Date: 06/04/13

Issued for: Prelim. Review

**A5.001**