

| GA FILE NO. FC 5107 | PROPRIETARY | 1 HOUR FIRE | 55 to 59 FSTC SOUND |
|---|-------------|-------------|---------------------|
| <p>GYPSUM WALLBOARD, RESISTANT CHANNELS, WOOD STUDS</p> <p>One layer 1/2" proprietary type X gypsum wallboard applied to each side of 2x4 wood studs 16" o.c. with 1/2" Type 2 drywall screws 12" o.c. Gypsum board and joints located between continuous channels and attached to additional areas of channel 2x4 with screws at 12" o.c. Fastener spacing channels applied at right angles to 2x4 wood studs 16" o.c. with 1/2" Type 2 screws. Wood studs supporting floor joists shall be 16" o.c. spaced gypsum board shall be 1/2" o.c. spaced.</p> | | | |
| <p>PROPRIETARY GYPSUM BOARD</p> <p>American Gypsum Company - 1/2" FireBlock Type C BRF America Inc. - 1/2" FireBlock Type C Lafarge North America Inc. - 1/2" FireBlock Type C National Gypsum Company - 1/2" FireBlock Type C P&G Gypsum - 1/2" FireBlock Type C The Sheetrock Company - 1/2" FireBlock Type C United States Gypsum Company - 1/2" FireBlock Type C</p> | | | |
| <p>Assemblies Components: Channels, Studs, Gypsum Board, Screws</p> <p>Substitution: None</p> | | | |

10 | GA FILE FC-5107

| GA FILE NO. BM 1137 | PROPRIETARY | 1 HOUR FIRE |
|---|-------------|-------------|
| <p>BEAMS, GIRDERS, AND TRUSSES, NONCOMBUSTIBLE</p> <p>STEEL FRAME, GYPSUM WALLBOARD</p> <p>Base layer 1/2" proprietary type X gypsum wallboard applied to both sides of 12" x 12" steel beams 12" o.c. Face layer 1/2" proprietary type X gypsum wallboard applied to both sides with 1/2" Type 2 drywall screws 12" o.c. Joints offset from base layer joints.</p> | | |
| <p>PROPRIETARY GYPSUM BOARD</p> <p>American Gypsum Company - 1/2" FireBlock Type C BRF America Inc. - 1/2" FireBlock Type C Lafarge North America Inc. - 1/2" FireBlock Type C National Gypsum Company - 1/2" FireBlock Type C P&G Gypsum - 1/2" FireBlock Type C The Sheetrock Company - 1/2" FireBlock Type C United States Gypsum Company - 1/2" FireBlock Type C</p> | | |

09 | GA FILE BM-1137

| GA FILE NO. WP 7880 | PROPRIETARY | 2 HOUR FIRE | 45 to 49 STC SOUND |
|--|-------------|-------------|--------------------|
| <p>GYPSUM WALLBOARD, STEEL C-CH OR I-TEES</p> <p>One layer 1/2" proprietary type X gypsum wallboard applied to each side of C-10 or I-10 steel studs 16" o.c. with 1/2" Type 2 drywall screws 12" o.c. Gypsum board and joints located between continuous channels and attached to additional areas of channel C-10 or I-10 with screws at 12" o.c. Fastener spacing channels applied at right angles to C-10 or I-10 steel studs 16" o.c. with 1/2" Type 2 screws. Wood studs supporting floor joists shall be 16" o.c. spaced gypsum board shall be 1/2" o.c. spaced.</p> | | | |
| <p>PROPRIETARY GYPSUM BOARD</p> <p>American Gypsum Company - 1/2" FireBlock Type C BRF America Inc. - 1/2" FireBlock Type C Lafarge North America Inc. - 1/2" FireBlock Type C National Gypsum Company - 1/2" FireBlock Type C P&G Gypsum - 1/2" FireBlock Type C The Sheetrock Company - 1/2" FireBlock Type C United States Gypsum Company - 1/2" FireBlock Type C</p> | | | |

06 | GA FILE WP-7880

| GA FILE NO. WP 1841 | PROPRIETARY | 2 HOUR FIRE | 35 to 39 STC SOUND |
|---|-------------|-------------|--------------------|
| <p>SOLID GYPSUM WALLBOARD</p> <p>One layer 1/2" proprietary type X gypsum wallboard applied to each side of 2x4 wood studs 16" o.c. with 1/2" Type 2 drywall screws 12" o.c. Gypsum board and joints located between continuous channels and attached to additional areas of channel 2x4 with screws at 12" o.c. Fastener spacing channels applied at right angles to 2x4 wood studs 16" o.c. with 1/2" Type 2 screws. Wood studs supporting floor joists shall be 16" o.c. spaced gypsum board shall be 1/2" o.c. spaced.</p> | | | |
| <p>PROPRIETARY GYPSUM BOARD</p> <p>American Gypsum Company - 1/2" FireBlock Type C BRF America Inc. - 1/2" FireBlock Type C Lafarge North America Inc. - 1/2" FireBlock Type C National Gypsum Company - 1/2" FireBlock Type C P&G Gypsum - 1/2" FireBlock Type C The Sheetrock Company - 1/2" FireBlock Type C United States Gypsum Company - 1/2" FireBlock Type C</p> | | | |

05 | GA FILE WP-1841

| GA FILE NO. WP 3370 | GENERIC | 1 HOUR FIRE | 45 to 49 STC SOUND |
|---|---------|-------------|--------------------|
| <p>GYPSUM WALLBOARD, RESISTANT CHANNELS, WOOD STUDS</p> <p>One layer 1/2" generic type X gypsum wallboard applied to each side of 2x4 wood studs 16" o.c. with 1/2" Type 2 drywall screws 12" o.c. Gypsum board and joints located between continuous channels and attached to additional areas of channel 2x4 with screws at 12" o.c. Fastener spacing channels applied at right angles to 2x4 wood studs 16" o.c. with 1/2" Type 2 screws. Wood studs supporting floor joists shall be 16" o.c. spaced gypsum board shall be 1/2" o.c. spaced.</p> | | | |

02 | GA FILE WP 3370

| GA FILE NO. WP 3243 | GENERIC | 1 HOUR FIRE | 50 to 54 STC SOUND |
|--|---------|-------------|--------------------|
| <p>GYPSUM WALLBOARD, RESISTANT CHANNELS, METAL OR GLASS FIBER INSULATION, WOOD STUDS</p> <p>Resistant channels 2x4" o.c. attached at right angles to 2x4 wood studs 16" o.c. with 1/2" Type 2 drywall screws 12" o.c. Gypsum board and joints located between continuous channels and attached to additional areas of channel 2x4 with screws at 12" o.c. Fastener spacing channels applied at right angles to 2x4 wood studs 16" o.c. with 1/2" Type 2 screws. Wood studs supporting floor joists shall be 16" o.c. spaced gypsum board shall be 1/2" o.c. spaced.</p> | | | |

01 | GA FILE WP-3243

| GA FILE NO. RC 2750 | GENERIC | 2 HOUR FIRE |
|---|---------|-------------|
| <p>GYPSUM WALLBOARD, RESISTANT CHANNELS, WOOD JOISTS, WOOD STUDS, ROOF COVERINGS</p> <p>Base layer 1/2" generic type X gypsum wallboard applied to each side of 2x4 wood studs 16" o.c. with 1/2" Type 2 drywall screws 12" o.c. Face layer 1/2" generic type X gypsum wallboard applied to each side with 1/2" Type 2 drywall screws 12" o.c. Joints offset from base layer joints.</p> | | |

12 | GA FILE RC-2750

| GA FILE NO. CM 1452 | GENERIC | 1 HOUR FIRE |
|---|---------|-------------|
| <p>GYPSUM WALLBOARD, STEEL STUDS</p> <p>Base layer 1/2" generic type X gypsum wallboard applied to each side of 12" x 12" steel studs 12" o.c. Face layer 1/2" generic type X gypsum wallboard applied to each side with 1/2" Type 2 drywall screws 12" o.c. Joints offset from base layer joints.</p> | | |

08 | GA FILE CM-1452

| GA FILE NO. WP 4136 | GENERIC | 2 HOUR FIRE | 40 to 44 STC SOUND |
|--|---------|-------------|--------------------|
| <p>GYPSUM WALLBOARD, WOOD STUDS</p> <p>Base layer 1/2" generic type X gypsum wallboard applied to each side of 2x4 wood studs 16" o.c. with 1/2" Type 2 drywall screws 12" o.c. Face layer 1/2" generic type X gypsum wallboard applied to each side with 1/2" Type 2 drywall screws 12" o.c. Joints offset from base layer joints.</p> | | | |

04 | GA FILE WP-4136

| GA FILE NO. WP 3018 | GENERIC | 1 HOUR FIRE | 60 to 64 STC SOUND |
|--|---------|-------------|--------------------|
| <p>GYPSUM WALLBOARD, RESISTANT CHANNELS, METAL OR GLASS FIBER INSULATION, WOOD STUDS</p> <p>Resistant channels 2x4" o.c. attached at right angles to 2x4 wood studs 16" o.c. with 1/2" Type 2 drywall screws 12" o.c. Gypsum board and joints located between continuous channels and attached to additional areas of channel 2x4 with screws at 12" o.c. Fastener spacing channels applied at right angles to 2x4 wood studs 16" o.c. with 1/2" Type 2 screws. Wood studs supporting floor joists shall be 16" o.c. spaced gypsum board shall be 1/2" o.c. spaced.</p> | | | |

00 | GA FILE WP-3018

| GA FILE NO. RC 2601 | GENERIC | 1 HOUR FIRE |
|--|---------|-------------|
| <p>GYPSUM WALLBOARD, RESISTANT CHANNELS, WOOD STUDS</p> <p>Base layer 1/2" generic type X gypsum wallboard applied to each side of 2x4 wood studs 16" o.c. with 1/2" Type 2 drywall screws 12" o.c. Face layer 1/2" generic type X gypsum wallboard applied to each side with 1/2" Type 2 drywall screws 12" o.c. Joints offset from base layer joints.</p> | | |

11 | GA FILE RC-2601

| GA FILE NO. WP 8130 | PROPRIETARY | 1 HOUR FIRE |
|---|-------------|-------------|
| <p>GYPSUM WALLBOARD, RESISTANT CHANNELS, WOOD STUDS</p> <p>Base layer 1/2" proprietary type X gypsum wallboard applied to each side of 2x4 wood studs 16" o.c. with 1/2" Type 2 drywall screws 12" o.c. Face layer 1/2" proprietary type X gypsum wallboard applied to each side with 1/2" Type 2 drywall screws 12" o.c. Joints offset from base layer joints.</p> | | |
| <p>PROPRIETARY GYPSUM BOARD</p> <p>American Gypsum Company - 1/2" FireBlock Type C BRF America Inc. - 1/2" FireBlock Type C Lafarge North America Inc. - 1/2" FireBlock Type C National Gypsum Company - 1/2" FireBlock Type C P&G Gypsum - 1/2" FireBlock Type C The Sheetrock Company - 1/2" FireBlock Type C United States Gypsum Company - 1/2" FireBlock Type C</p> | | |

07 | GA FILE WP-8130

| GA FILE NO. WP 3514 | GENERIC | 1 HOUR FIRE | 33 to 39 STC SOUND |
|---|---------|-------------|--------------------|
| <p>GYPSUM WALLBOARD, WOOD STUDS</p> <p>One layer 1/2" generic type X gypsum wallboard applied to each side of 2x4 wood studs 16" o.c. with 1/2" Type 2 drywall screws 12" o.c. Gypsum board and joints located between continuous channels and attached to additional areas of channel 2x4 with screws at 12" o.c. Fastener spacing channels applied at right angles to 2x4 wood studs 16" o.c. with 1/2" Type 2 screws. Wood studs supporting floor joists shall be 16" o.c. spaced gypsum board shall be 1/2" o.c. spaced.</p> | | | |

03 | GA FILE WP-3514

- SHEET NOTES**
- CONTRACTOR SHALL CONFORM TO MATERIAL PLACEMENT, FASTENING, AND ALL OTHER REQUIREMENTS OF THE GYPSUM ASSOCIATION (GA) "FIRE RESISTANCE DESIGN MANUAL", AND UNDERWRITERS LABORATORIES, INC. (UL) "FIRE RESISTANCE DIRECTORY, VOLUME 1" FOR FIRE-RATED ASSEMBLIES, WHERE PLANS AND THESE PUBLICATIONS CONFLICT, CONSULT THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
 - PENETRATIONS OF FIRE-RATED ASSEMBLIES SHALL BE FIRESTOPPED WITH A PRODUCT COMPLYING WITH THE UL "FIRE RESISTANCE DIRECTORY, VOLUME 2" OR MEETING APPROVAL OF THE AUTHORITY HAVING JURISDICTION. FIRESTOPPING SHALL MAINTAIN THE SAME FIRE-RATING OF THE ASSEMBLY BEING PENETRATED. ALL DUCTWORK PENETRATING FIRE-RATED ASSEMBLIES SHALL HAVE FIRE DAMPERS WHEN REQUIRED BY CODE, WHETHER SHOWN ON THE PLANS OR NOT; THE CONTRACTOR IS FULLY RESPONSIBLE FOR COORDINATING ALL FIRESTOPPING OF ALL THE VARIOUS PENETRATIONS.
 - SPECIFICATION SHEETS FOR THE DETAILS, DESIGN AND LISTING NUMBERS OF ALL PENETRATION FIRE STOP SYSTEMS SHALL BE PROVIDED ON SITE FOR THE STATE FIELD INSPECTOR'S USE.
 - ALL FASTENERS SHALL CONFORM WITH THE REQUIREMENTS OF THE BUILDING CODE, MINIMUM STAPLING IS NOT AN ACCEPTABLE FASTENER FOR ANY PRODUCT EXCEPT VAPOR BARRIERS AND DRYWALL TRIM.
 - DRYWALL SCREWS SHALL BE SUBSTITUTED FOR NAILS FOR ATTACHMENT OF GYPSUM BOARD. SCREW HEAD DIAMETER, LENGTH AND SPACING SHALL EQUAL OR EXCEED REQUIREMENTS FOR NAILS.
 - GYPSUM BOARD ON FIRE-RATED STUD WALLS SHALL BE INSTALLED VERTICALLY.
 - WHERE ARCHITECTURAL ASSEMBLY DETAILS SHOW THICKER GYPSUM BOARD OR LARGER STUDS, THE ARCHITECTURAL DETAIL SHALL APPLY.
 - STRUCTURAL WOOD PANELS MAY BE USED IN AN ASSEMBLY PER GA-600-2003 PAGE 9, NOTE 22. FASTEN WOOD PANELS DIRECTLY TO STUDS PER "S" DRAWINGS (AT SHEAR WALLS) AND INCREASE EXTERIOR SHEATHING FASTENERS BY 5/8" LENGTHWISE.



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 REVISION LOG

PROJECT 00755

FIRE RATED ASSEMBLIES- TEST REFERENCES A604