

## <u>1 HR NON-BEARING FIRE BARRIER</u> DESIGN NUMBER - UL U493 (GA FILE WP5006 PROPRIETARY 1 HOUR FIRE) 60-64 STC SOUND - USG STC-050817, 8-11-05 FIRE TEST: UL R1319, 96NK31548, 10-21-96 UL DESIGN U493

WOOD FRAMING - WOOD STUDS, NOM. 2 IN BY 4 IN., DOUBLE TOP PLATE AND SINGLE BASE PLATE, SEE STRUCTURAL FOR; STUD LAYOUT BRACING, AND FASTENERS.

**OSB SHEATHING -** (1) LAYER OF 7/16 OSB SINGLE SIDE. SEE PLAN FOR ORIENTATION. SEE STRUCTURAL FOR DETAILS. TYPE X GYP BOARD - NOM. 5/8 IN. THICK, 4 FT. WIDE, GYP BOARD PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERT. OR HORZ.. SINGLE LAYER INSTALLED ON EA. SIDE OF STL STUDS. VERTICAL JNTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS. HORZ. EDGE JNTS AND HORZ. BUTT JNTS NEED NOT BE BACKED BY FRAMING. HORZ. EDGE JNTS AND HORZ, BUTT JNTS ON OPPOSITE SIDES OF STL STUDS NEED NOT BE STAGGERED. PANELS ATTACHED TO STL STUDS AND FL RUNNER WITH 1-14 IN. LONG TYPE S STL SCREWS SPACED 8 IN. O.C. WHEN APPLIED HORZ., OR 8 IN. O.C. ALONG VERTICAL AND BOTTOM EDGES AND 12 IN. O.C. IN THE FIELD WHEN APPLIED VERT .. WHEN USED IN WDTH OTHER THAN 48 IN., GYP PANELS TO BE INSTALLED HORZ., UNITED STATES GYP COMPANY - 5/8" SHEETROCK BRAND FIRECODE CORE GYP PANELS FIBER, DRY - DRY DENSE PACKED CELLULOSE MATERIAL. THE FIBER IS APPLIED WITH WATER TO COMPLETELY FILL THE ENCLOSED CAVITY IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT. NOM. DRY DENSITY OF 3LBS./FT3. JOINT TAPE AND COMPOUND - (NOT SHOWN) VINYL, DRY OR PREMIXED JOINT COMPOUND, APPLIED IN TWO COATS TO JOISTS AND SCREW

JOINT COMPOUND, APPLIED IN TWO COATS TO JOISTS AND SCREW HEADS, PAPER TAPE, 2 IN. WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JNTS. LATERAL BRACING - (NOT SHOWN) - RIGHT ANGLE-SHAPED, SUPPLIED

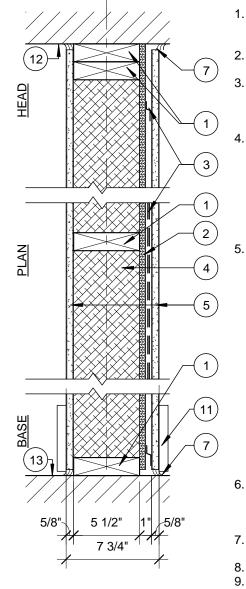
WITH NOTCHES SPACED 12, 16, OR 24 IN. O.C., FRICTION-FITTED TO THE CUT-OUTS IN THE STL STUDS, SUPPLIED IN 7/8 IN. BY 7/8 IN. BY 50 IN. LENGTHS. LATERAL BRACING BARS FABRICATED FROM MIN. 20 MSG GALV. STL. THE BRACING SHALL MEET THE 1996 EDITION OF THE AMERICAN IRON AND STL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STL STRUCTURAL MEMBERS". **MESH NETTING - (NOT SHOWN)** - ANY THIN WOVEN OR NON-WOVEN FIBROUS NETTING MATERIAL ATTACHED WITH STAPLES TO THE OUTER FACE OF ONE ROW OF STUDS TO FACILITATE THE INSTALLATION OF

UNDERSIDE OF STRUCTURE TOP OF STRUCTURE

**NOTE:** HORIZONTAL BLOCKING AT 4'-0" O.C. TO PREVENT INSULATION FROM SETTLING.

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1 1/2" = 1'-0"

## M11 1 HR BEARING FIRE BARRIER DESIGN NUMBER - GA FILE NO. WP3240 1 HOUR FIRE

58 STC SOUND FIRE TEST: UL R1319-93, 94, 129; ACOUSTIC LABRATORIES, NU- WOOL CO. WOOD FRAMING - WOOD STUDS, NOM. 2 IN BY 4 IN., DOUBLE TOP

PLATE AND SINGLE BASE PLATE, SEE STRUCTURAL FOR; STUD LAYOUT BRACING, AND FASTENERS. **OSB SHEATHING -** (1) LAYER OF 7/16 OSB SINGLE SIDE. SEE PLAN FOR ORIENTATION. SEE STRUCTURAL FOR DETAILS. **RESILIENT CHANNEL** - 25 MSG GALV. STEEL RESILIENT CHANNELS SPACED VERTICALLY 24 IN O.C. MAX, FLANGE PORTION ATTACHED TO EACH INTERSECTING STUD WITH 1/2 IN. LONG TYPE S-12 PANHEAD STEEL SCREW.

FIBER, DRY - DRY DENSE PACKED CELLULOSE MATERIAL. INSULATION IS APPLIED DRY AND DENSE PACKED INTO CAVITY. GYPSUM PANELS ARE INSALLED ON BOTH FACES OF THE WALL FIRST WITH A GAP LEFT AT THE TOP OF EACH STUD BAY TO BE FILLED AFTER INSTALLATION. TESTING WILL BE PERFORMED TO ENSURE PROPER DENSITY AND THAT ENTIRE CAVITY IS FILLED, ESP. AROUND AND BELOW ELECTRICAL BOXES AND SWITCHES, ETC.

TYPE X GYP BOARD - NOM. 5/8 IN. THICK, 4 FT. WIDE, GYP BOARD PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERT. OR HORZ.. SINGLE LAYER INSTALLED ON EA. SIDE OF STL STUDS. VERTICAL JNTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS. HORZ. EDGE JNTS AND HORZ. BUTT JNTS NEED NOT BE BACKED BY FRAMING. HORZ. EDGE JNTS AND HORZ. BUTT JNTS ON OPPOSITE SIDES OF STL STUDS NEED NOT BE STAGGERED. PANELS ATTACHED TO STL STUDS AND FL RUNNER WITH 1 IN. LONG TYPE S STL SCREWS SPACED 8 IN. O.C. PANELS ATTACHED TO RESILIENT CHANNELS WITH 1 IN. LONG TYPE S STL SCREWS SPACED 8 IN. O.C. WHEN APPLIED HORZ., OR 8 IN. O.C. ALONG VERT. AND BOTTOM EDGES AND 12 IN. O.C. IN THE FIELD WHEN APPLIED VERT.. WHEN USED IN WDTH OTHER THAN 48 IN., GYP PANELS TO BE INSTALLED HORZ.. UNITED STATES GYP COMPANY - 5/8" SHEETROCK BRAND FIRECODE CORE GYP PANELS

JOINT TAPE AND COMPOUND - (NOT SHOWN) VINYL, DRY OR PREMIXED JOINT COMPOUND, APPLIED IN TWO COATS TO JOISTS AND SCREW HEADS, PAPER TAPE, 2 IN. WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JNTS.

SEALANT - UL AND STC LISTED SEALANT, FULL PERIMETER BOTH SIDES. BLOCKING - (NOT SHOWN) WOOD BLOCKING AS NEEDED TAPE AND COMPOUND - (NOT SHOWN) VINYL, DRY OR PREMIXED

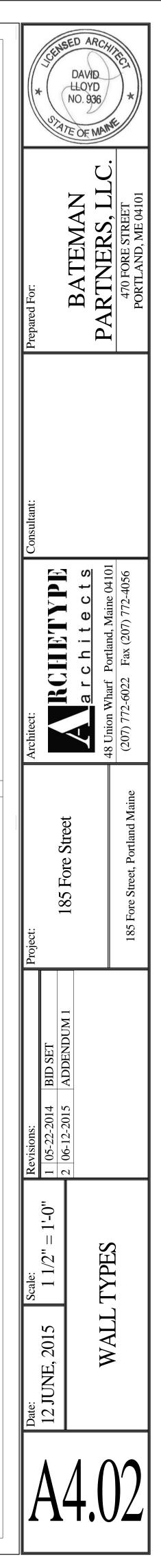
JOINT COMPOUND, APPLIED IN TWO COATS TO JOISTS AND SCREW HEADS, PAPER TAPE, 2 IN. WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS.

11. . 12. SCHEDULED BASE - SEE FINISH SCHEDULE

UNDERSIDE OF STRUCTURE
 TOP OF STRUCTURE

10

NOTE: MAX. 1" SCREWS SECURING GYP BD TO RESILIENT CHANNELS TO PREVENT SCREWS FROM TOUCHING STUDS & SHORT-CIRCUITING RESILIENT CHANNEL



11 - WALL TYPE 11 - CORRIDOR BEARING WALL