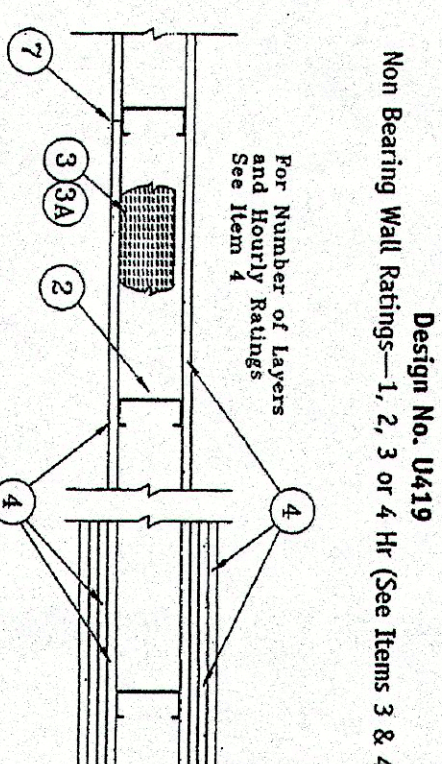
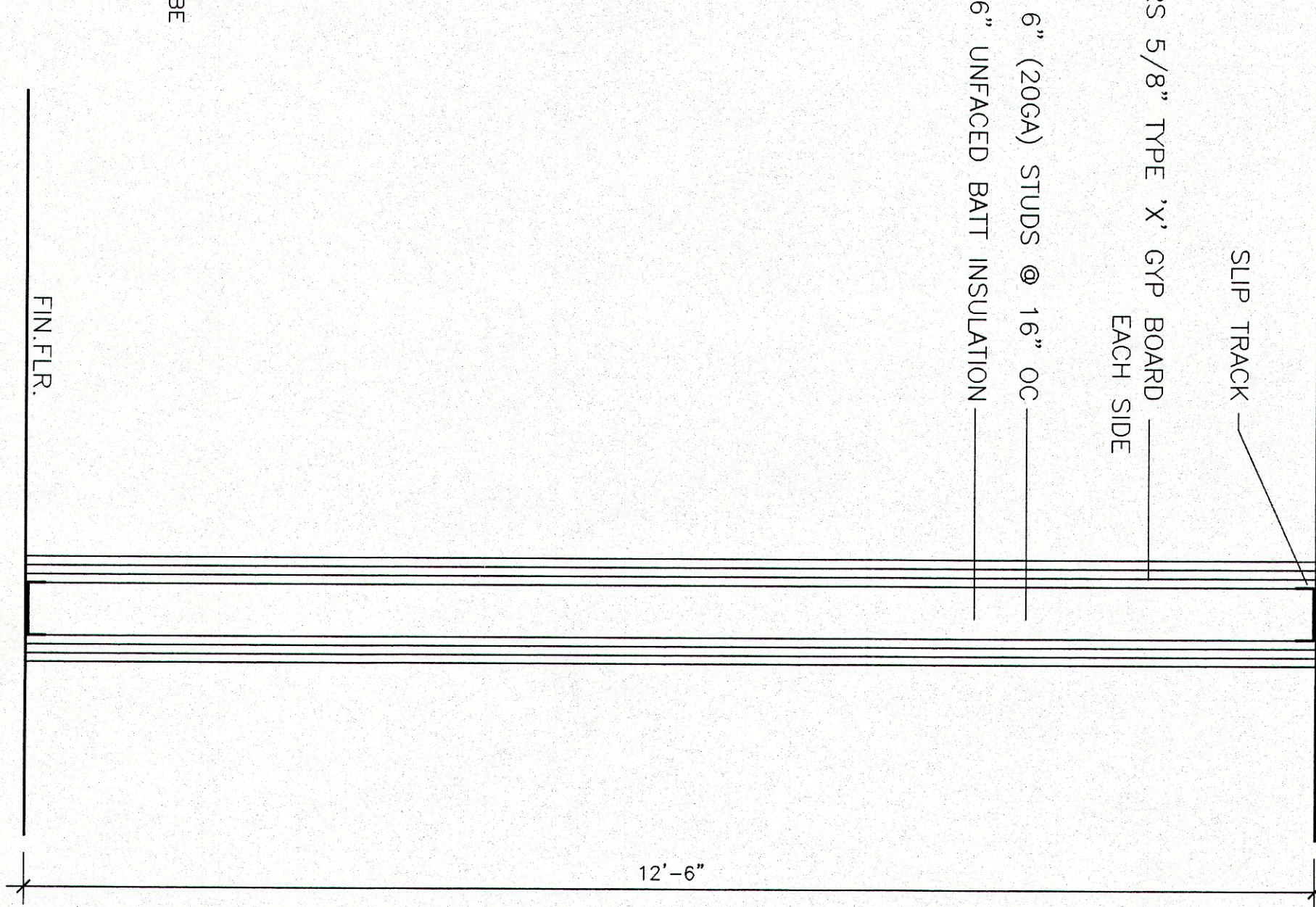


UNDERSIDE OF ROOF DECK
SLIP TRACK
3 LAYERS 5/8" TYPE 'X' GYP BOARD EACH SIDE
6" (ZOGA) STUDS @ 16" OC
6" UNFACED BATT INSULATION



- Design No. U419
Non Bearing Wall Ratings—1, 2, 3 or 4 Hr (See Items 3 & 4)
1. Floor and Ceiling Runners—(Not shown)—Channel shaped, fabricated steel, min 25 M55 (min 20 M56 when Item 4 is used) corrosion-protected steel, min width to accommodate stud size, with min 1 in. long lips.
 2. Steel Studs—Channel shaped, fabricated from min 25 M55 (min 20 M56 when Item 4 is used) corrosion-protected steel, min width as indicated in Item 4.
 3. Batt and Blankets—(Required as indicated under Item 4)—Minimally compressed, non-fibrous, mineral wool blankets, min min thickness as indicated under Item 4.
 4. Gypsum Panels—(Optional)—Fixed in stud cavities, any gesso to Surface Burning Characteristics and/or Fire Resistance Testing as Blankets (BKNV or B22) Categories for names of Classified companies.

WALLBOARD PROTECTION ON EACH SIDE OF WALL

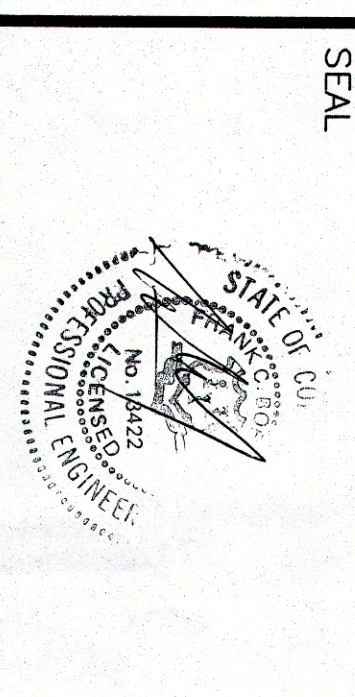
Rating	Min Stud And Thickness	No. of Layers	Min Thickness of Insulation
1	1/2 in. thick	1 layer	Optional
2	3/4 in. thick	2 layers	Optional
3	1 in. thick	3 layers	Optional
4	1 1/2 in. thick	4 layers	Optional

SECTION @ FIRE BARRIER
3/4" = 1'-0"

EXISTING BATHROOM FIXTURES TO BE REMOVED BY OWNER
NEW 3HR. FIRE BARRIER WALL U.L. DESIGN NO. U419 (APPROX. 12'-6" HIGH)
NEW A-LABEL HM DOOR & FRAME w/ DOOR CLOSER AND LEVER HANDLE

2005 STATE BUILDING CODE
BUILDING USE GROUP - S4
BUILDING CONSTRUCTION TYPE - 2-C
TOTAL EXISTING BUILDING AREA = 15,100 SF
MAX. FIRE AREA = 12,000 SF PER SECTION 903.2.8
3 HR. FIRE BARRIER REQUIRED PER SECTION 706.3.7

- 4a. Wallboard, Gypsum—(As an alternate to Item 4)—5/8 in. thick gypsum panels, installed as described in Item 4 with type 5-12 steel screws. The region and spacing of the screws as specified under Item 5.
- United States Gypsum Company—Type 15X
5. Fasteners—(Not shown)—Type 5 or 5-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 6). Single layer systems: 1 in. long for 1/2 in. thick panels or 1-1/4 in. long for 3/4 in. or 12 in. OC when panels are applied vertically. Two layer systems: First layer—1 in. long for 1/2 in. thick panels or 1-1/4 in. long for 3/4 in. or 12 in. OC when panels are applied vertically. Second layer—1-5/8 in. long for 1/2 in. thick panels or 2-1/4 in. long for 3/4 in. or 12 in. OC with screws offset 8 in. from first layer. Three-layer systems: First layer—1 in. long for 1/2 in. thick panels, spaced 24 in. OC. Second layer—1-5/8 in. long for 1/2 in. thick panels, spaced 24 in. OC. Third layer—2-1/4 in. long for 3/4 in. thick panels, spaced 24 in. OC. Screws offset 12 in. from first layer below.
6. Furring Channels—(Optional, not shown, for single or double layer systems)—Aluminum, not shown, fabricated from min. 25 M55 steel, installed as described in Item 4 with type 5-12 steel screws. Not for use with Item 4a.
7. Joint Tape and Compound—Vulk or casin, dry or pre-mixed joint compound, applied as described in Item 4 with type 5-12 steel screws. Not for use with Item 4a.
8. Sealing, Gasket or Strips—(Optional, not shown)—Aluminum, vinyl or code agencies, installed over gypsum meeting fire barrier studs with compressed metal seal course of brick.
9. Sealant—Applied around the optional, not shown, head of nonmetallic sealant applied around the optional, not shown, sealant course.
- United States Gypsum Co.—Type 15
Bearing the UL Classification Marking



PROJECT NAME:
SIMSBURY TOWN GARAGE
66 TOWN FOREST ROAD
SIMSBURY, CONNECTICUT
DRAWING TITLE:
PROPOSED FIRE BARRIER DRAWING

CONSULTANTS:
PDS ENGINEERING & CONSTRUCTION, INC.
107 Old Windsor Road
Bloomfield, Connecticut 06002
Telephone: (860) 242-8586
FAX (860) 242-8587

DATE	ISSUE
12-4-06	PERMIT DRAWING