



NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
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Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 210-96-E Vol. 2

Manufacturer: Weyerhaeuser Co., P.O. Box 8449, Boise, Idaho 83707

Trade Name(s): TimberStrand® LSL

Product: TimberStrand® Laminated Strand Lumber (LSL)

Pertinent Code Section(s): 27-617 through 27-624

Prescribed Test(s): ASTM E119, ASTM E84

Laboratory: PFS Corporation, National Gypsum Company Research Center, Intertek Testing Services NA Ltd. (Warnock Hersey)

Test Report(s): Report of ASTM E84 Surface Burning Characteristics Test TimberStrand® LSL, dated March 2, 1994. Test conducted at the National Gypsum Company Research Center, witnessed by PFS Corporation representative, Bob Nelson, with flame spread rating of 140.38 and smoke development rating of 43.

Report of ASTM E119 Fire Endurance Test of a TimberStrand® LSL Joist Floor-Ceiling Assembly, dated May 25, 1994. Test conducted at the National Gypsum Company Research Center, witnessed by PFS Corporation representative, Bob Nelson, (identical test conducted with #2 SPF sawn lumber joists performed for Weyerhaeuser included for comparison).

Rate of Char Test performed by Intertek Testing Services NA Ltd. (Warnock Hersey) on PSL 300 (development name for TimberStrand® LSL). Report number 5631.

Description: TimberStrand LSL is manufactured from strands of a single wood species or a combination of wood species blended with an isocyanate-based adhesive. The wood species, species combinations and adhesive used to manufacture TimberStrand LSL are specified in the approved TimberStrand LSL quality control manual and manufacturing standard prepared by Weyerhaeuser. TimberStrand LSL is produced with the wood strands oriented in a direction parallel to the length of the structural composite lumber and has finished lengths up to 64 feet, thicknesses up to 5½ inches, and depths up to 48 inches.

Fire Assembly TS-1:

(One-Hour Floor Assembly)

- 1) 15/32 underlayment-grade plywood
- 2) 19/32 tongue-and-groove plywood subflooring with 20" span rating
- 3) 1-1/2" x 9-1/4" TimberStrand LSL floor joists at 16" o.c.
- 4) One layer 5/8" gypsum wallboard. Type "X" Fireshield G.

Other Assemblies:

All other generic assemblies in which dimensional lumber may be used as the structural element to include the following assemblies as documented in the Gypsum Association's "Fire Resistance Design Manual":

Wall and Interior Partitions:

One Hour:

WP3341, WP3360, WP3430, WP3431, WP3436, WP3510, WP3520, WP3605, WP3620

Two Hour:

WP3810, WP3812, WP3820, WP3910, WP4135

Exterior Walls:

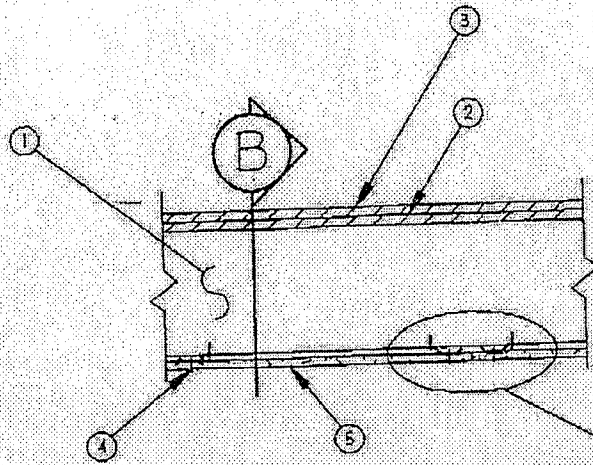
One Hour

WP8105, WP8106, WP8107, WP8108

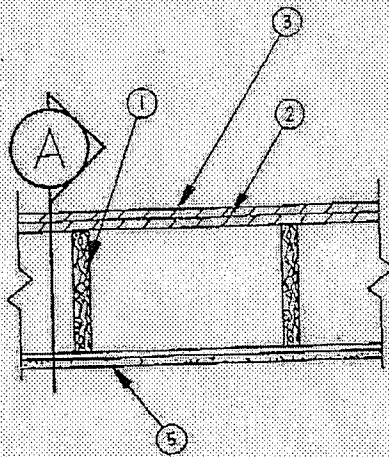
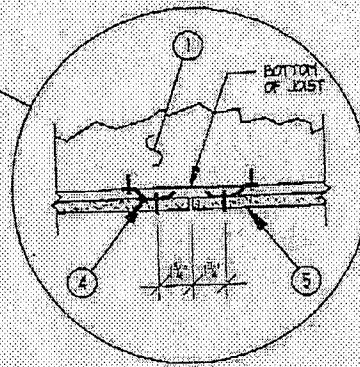
Floor-Ceiling Systems:

One Hour:

FC5110, FC5120, FC5230, FC5240, FC5242, FC5250, FC5300, FC5310, FC5406, FC5420, FC5470, FC5490, FC5510.



SECTION A
SCALE: 1" = 1'-0"



SECTION B
SCALE: 1" = 1'-0"

1. 1 1/2" x 9 1/4" LSE TIMBERSTRAND LSL JOIST @ 16" o.c.
2. 1 9/32" TONGUE & GROOVE PLYWOOD.
3. 1 5/32" PLYWOOD UNDERLAYMENT.
4. RESILIENT CHANNEL @ 16" o.c.
5. 5/8" TYPE X GYPSUM WALLBOARD.

TS-1
TIMBERSTRAND LSL
FLOOR JOIST
1-HOUR FIRE
RESISTIVE
ASSEMBLY



SEE PFS TEST REPORT WR-94101
11-5-96

Terms and Conditions: The TimberStrand LSL lumber, as described above, is accepted on the condition that:

1. All uses, locations and installations shall comply with the applicable requirements of the Building Code and MEA 89-96-M, Vol. 2.
2. Structures designed using TimberStrand LSL lumber shall conform to the manufacturer's design specifications except that appropriate design load(s), deflection limitation(s) and other performance standards of the New York City Building Code shall apply.
3. TimberStrand LSL lumber, in addition to the TS-1 one-hour fire assembly, as defined above, may be directly substituted in all fire assemblies where untreated sawn lumber is permitted.
4. All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and acceptable for use, as provided in Section 27-131 of the Building Code.

NOTE: In accordance with section 27-131(d), all materials tested and accepted for use shall be subject to periodic retesting as determined by the Commissioner; and any material which upon retesting is found not to comply with code requirements or the requirements set forth in the approval of the Commissioner, shall cease to be acceptable for the use intended. During the period for such retesting, the Commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Final Acceptance _____

August 9, 2006.

Examined By _____

Donald [Signature]