

- The average thickness of the MK-5 SFRM on the columns, based on data available from Testwell Craig Inspection Laboratories Inc., was greater than 7/8 in.
- An MK-5 SFRM thickness of 7/8 in. is consistent with a 3 h rating for the columns, according to UL BXUV.X704, and a Type 1-B classification (unsprinklered) for the building.
- Correspondence showed that the SFRM contractor, E. Patti & Sons, planned to apply 7/16 in. of MK-5 SFRM to the floor beams and 3/8 in. of MK-5 SFRM to the metal deck.
- The average MK-5 SFRM thickness measurement on the floor beams and metal deck, based on data available from Testwell Craig Inspection Laboratories Inc., was greater than ½ in. for the beams and 3/8 in. for the metal deck.
- An MK-5 SFRM thickness of 1/2 in. on the floor beams and of 3/8 in. on the metal deck is consistent with a 2 h rating, according to UL BXUV.D739.
- The NIST survey of the 130 Liberty Street building, damaged by debris impact from the collapse of WTC 2, indicated that the cementitious SFRM was not knocked off by the falling debris, except in the immediate area of damage. For analysis purposes, NIST therefore assumed that the similar SFRM was in place in WTC 7 after the impact of debris from WTC 1.

2.7 REFERENCES

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