PART 1 - GENERAL

1.01 WORK INCLUDED
   A. Mineral fiberboard, asbestos free, fireproofing of interior structural steel columns and beams, to provide rated fireproofing.

1.02 RELATED WORK
   A. Section 05 12 00 - Structural Steel
   B. Section 05 12 00 - Steel Joists.
   C. Section 07 81 00 - Fireproofing.
   D. Section 07 81 23 - Intumescent Fireproofing

1.03 REFERENCES

1.04 PERFORMANCE REQUIREMENTS
   A. Mineral fiberboard fireproofing to provide a one, two, three or four hour fire rating.

1.05 SUBMITTALS
   A. Submit certified test reports indicating the following:
      1. Fire test reports of fireproofing application to substrate materials similar to project conditions.
      2. U.L. Design Listings
      3. Albi DriClad datasheet and installation manual

1.06 QUALITY ASSURANCE
   A. Applicator Qualifications: A firm or individual experienced in applying fireproofing similar in material, design, and extent to those indicated for the Project, whose work has resulted in applications with a record of successful in-service performance.

1.07 REGULATORY REQUIREMENTS
   A. Conform to applicable code for fire resistance ratings.
   B. Submit certification of acceptability of fireproofing materials to authority having jurisdiction and to Architect.

1.08 MOCKUP
   A. Provide mockup of applied mineral fiberboard fireproofing to 100 sq ft in size to representative substrate on site.
B. Provide testing and analysis of mockup to manufacturer's published data.
C. If accepted, mockup will demonstrate minimum standard for the Work. Mockup may remain as part of the Work.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

A. Albi Manufacturing, East Berlin, CT (860) 828-0571; "ALBI DRICLAD."
B. Substitutions: Not permitted.

2.02 MATERIALS

A. Mineral Fiberboard Fireproofing:
   1. Material: Basalt mineral fiberboard
   2. Fuel Contributed: ASTM E84, Class A.
   3. Flame Spread: ASTM E 84, Class A.
   4. Asbestos Content: 0%.
B. Fasteners: Provide screws and other fasteners types, as may be recommended by the board manufacturer.

PART 3 - EXECUTION

3.01 PREPARATION

A. Verify that surfaces are ready to receive work.
B. Verify that clips, hangers, supports, sleeves, and other items required to penetrate fireproofing are in place.

3.02 APPLICATION

A. Apply fireproofing in sufficient thickness to achieve rating, and in accordance with manufacturer's written application instructions. Use full number of fasteners required.

3.03 FIELD QUALITY CONTROL

A. Special Inspections: Owner shall a qualified special inspector to perform the following special inspections:
B. Test and inspect as required by the IBC, 1704.11.
C. Perform the tests and inspections of completed Work in successive stages. Do not proceed with application of fireproofing for the next area until test results for previously completed applications of fireproofing show compliance with requirements. Tested values must equal or exceed values as specified and as indicated and required for approved fire-resistance design.
   1. Fireproofing will be considered defective if it does not pass inspections.
      a. Remove and replace fireproofing that does not pass and inspections, and re-inspect.

PART 4 - SCHEDULE

4.01 SCHEDULE OF FIREPROOFING

A. _________________________________
1. Thickness:
2. U.L. Design Number:

B. _______________________________
   1. Thickness:
   2. U.L. Design Number:

C. _______________________________
   1. Thickness:
   2. U.L. Design Number:

END OF SECTION