



**GENERAL NOTES:**

THE INTENT OF SECTIONS AND DETAILS SHOWN ON THIS DRAWING IS TO GRAPHICALLY DEPICT CODE REQUIREMENTS FOR CONSTRUCTION OF SMOKE RESISTIVE PARTITIONS, SMOKE RATED BARRIERS AND FIRE RATED BARRIERS. PARTITIONS AND BARRIERS SHOWN ON THIS DRAWING ARE CONSTRUCTED OF CMU, METAL STUDS AND GYPSUM BOARD, AND COMBINATION OF BOTH MATERIALS.

**SMOKE RESISTIVE PARTITION:** SHALL BE CONSTRUCTED AS NON-RATED WALL TO RESIST PASSAGE OF SMOKE. EXTEND WALL TIGHT TO BOTTOM OF FLOOR AND/OR ROOF DECK AND SEAL JOINT WITH SMOKE RESISTIVE MATERIALS. WHERE WALL CROSSES STRUCTURAL ELEMENTS SEAL ALL JOINTS WITH SMOKE RESISTIVE MATERIALS. SEAL ALL WALL PENETRATIONS ON BOTH SIDES OF WALL WITH SMOKE RESISTIVE MATERIALS.

**SMOKE RATED BARRIER:** SHALL BE CONSTRUCTED AS 1-HOUR FIRE RATED WALL TO RESIST PASSAGE OF SMOKE. EXTEND WALL TIGHT TO BOTTOM OF FLOOR AND/OR ROOF DECK AND SEAL JOINT WITH FIRE RESISTIVE JOINT SYSTEM (07 84 46). WHERE WALL CROSSES STRUCTURAL ELEMENTS SEAL ALL JOINTS WITH PENETRATION FIRESTOPPING MATERIALS (07 84 13). WHERE WALL IS LOCATED ALONG STRUCTURAL FRAMING ELEMENT EXTEND WALL TO DECK ON BOTH SIDES OF STEEL ELEMENT AND SEAL WITH FIRE RESISTIVE JOINT SYSTEM (07 84 46). SEAL ALL WALL PENETRATIONS ON BOTH SIDES OF WALL WITH PENETRATION FIRESTOPPING MATERIALS (07 84 13).

**1-HOUR FIRE RATED BARRIER:** SHALL BE CONSTRUCTED AS 1-HOUR FIRE RATED WALL TO RESIST PASSAGE OF FIRE. EXTEND WALL TIGHT TO BOTTOM OF FLOOR AND/OR ROOF DECK AND SEAL JOINT WITH FIRE RESISTIVE JOINT SYSTEM (07 84 46). WHERE WALL CROSSES STRUCTURAL ELEMENTS SEAL ALL JOINTS WITH PENETRATION FIRESTOPPING MATERIALS (07 84 13). WHERE WALL IS LOCATED ALONG STRUCTURAL FRAMING ELEMENT EXTEND WALL TO DECK ON BOTH SIDES OF STEEL ELEMENT AND SEAL WITH FIRE RESISTIVE JOINT SYSTEM (07 84 46). WHERE STEEL COLUMN IS PART OF WALL PROVIDE ADDITIONAL 4" CONCRETE BLOCK AT FACE OF STEEL COLUMN FOR CONTINUATION OF FIRE RATING (SEE DETAIL ON THIS DRAWING). SEAL ALL WALL PENETRATIONS ON BOTH SIDES OF WALL WITH PENETRATION FIRESTOPPING MATERIALS (07 84 13).

**2-HOUR FIRE RATED BARRIER:** SHALL BE CONSTRUCTED AS 2-HOUR FIRE RATED WALL TO RESIST PASSAGE OF FIRE. EXTEND WALL TIGHT TO BOTTOM OF FLOOR AND/OR ROOF DECK AND SEAL JOINT WITH FIRE RESISTIVE JOINT SYSTEM (07 84 46). WHERE WALL CROSSES STRUCTURAL ELEMENTS SEAL ALL JOINTS WITH PENETRATION FIRESTOPPING MATERIALS (07 84 13). WHERE WALL IS LOCATED ALONG STRUCTURAL FRAMING ELEMENT EXTEND WALL TO DECK ON BOTH SIDES OF STEEL ELEMENT AND SEAL WITH FIRE RESISTIVE JOINT SYSTEM (07 84 46). WHERE STEEL COLUMN IS PART OF WALL PROVIDE ADDITIONAL 4" CONCRETE BLOCK AT FACE OF STEEL COLUMN FOR CONTINUATION OF FIRE RATING (SEE DETAIL ON THIS DRAWING). SEAL ALL WALL PENETRATIONS ON BOTH SIDES OF WALL WITH PENETRATION FIRESTOPPING MATERIALS (07 84 13).

**DEFLECTION SYSTEM:** ALL WALLS EXTENDED TO BOTTOM OF ROOF DECK SHALL BE CONSTRUCTED WITH USE OF DEFLECTION SYSTEMS AS DETAILED ON THIS DRAWING.

S&E PROJECT NUMBER	01-615-057
BID PACKAGE / PHASING	BP-1
ISSUED FOR CONSTRUCTION	10/15/2019
REVISIONS	
R#	Doc #
Date	

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ADD ALTERNATE #1  
BOARD OF EDUCATION OFFICE FOR:  
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**HEARD COUNTY SCHOOL SYSTEM**  
FRANKLIN, GEORGIA

TYPICAL FIRESTOPPING DETAILS

DRAWING NUMBER  
**A701**