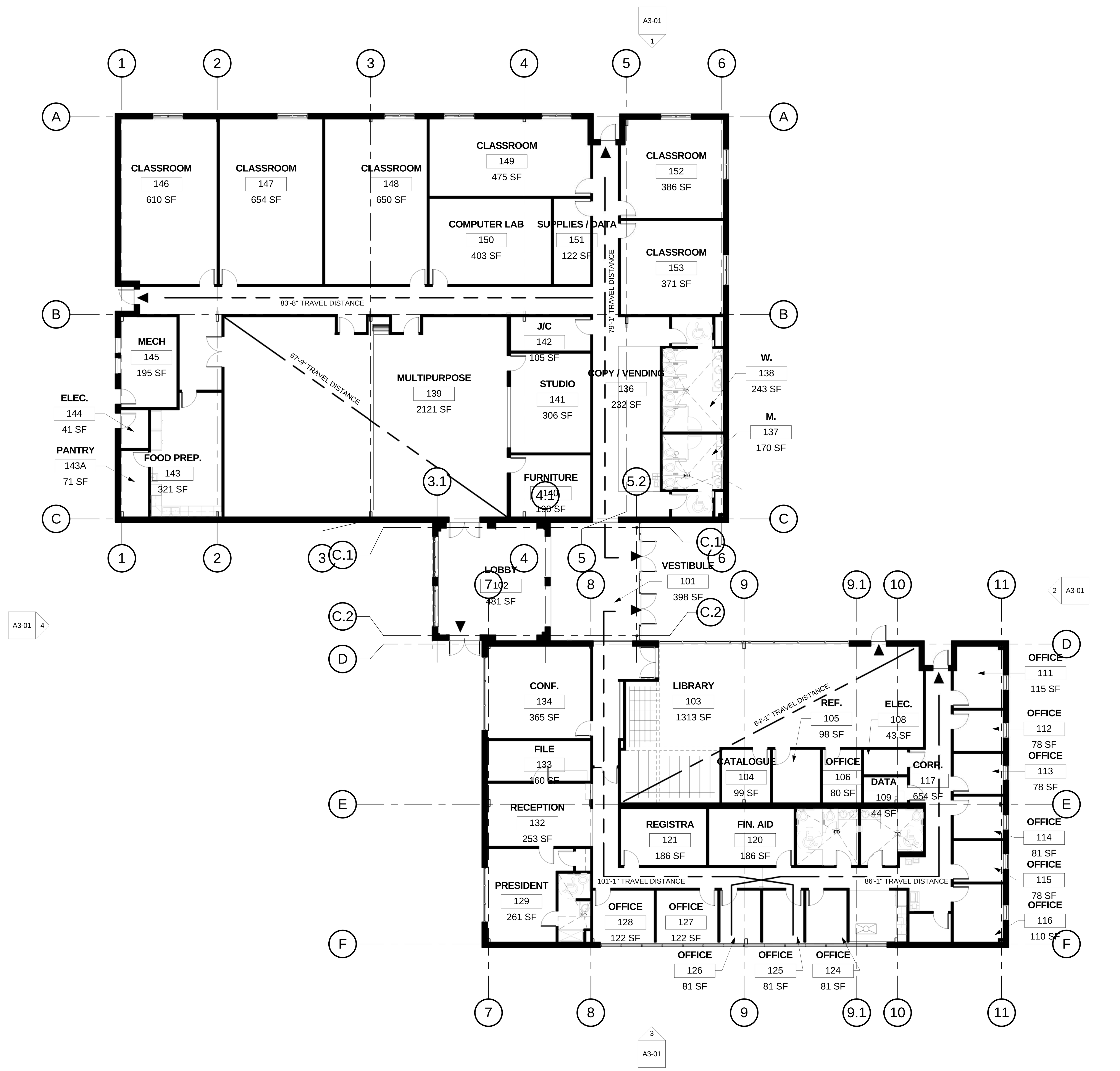


1 G0-02 LIFE SAFETY PLAN
3/32" = 1'-0"

GENERAL INFORMATION

— · —	INDICATES 1 HR. RATED SEPARATION
— · · —	INDICATES 4 HR. RATED SEPARATION
320	EGRESS CAPACITY
3	DENOTES CODE OCCUPANCY LOAD OF SPACE
EC	ELECTRIC WATER COOLER
FEB	FIRE EXTINQUISHER BRACKET
FEC	FIRE EXTINQUISHER CABINET
FD	FLOOR DRAIN
NIC	NOT IN CONTRACT

UL LISTINGS

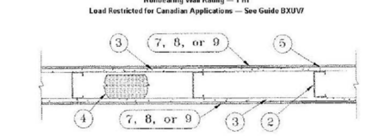
Fire Resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - ANSI/UL 263

Design No. U407

March 19, 2002

Bearing Wall Rating — 1 Hr
Nonbearing Wall Rating — 1 Hr
Load Restricted for Canadian Applications — See Guide BXUV7



1. **Steel Floor and Ceiling Runners** — (Not Shown) — Channel shaped, 3-1/2 in. wide by 1-1/2 in. deep, fabricated from min 20 MSG (0.0329 in., min. bare metal thickness) corrosion protected steel. Attached to floor and ceiling with steel fasteners spaced 24 in. OC max.

2. **Steel Studs** — 3-1/2 in. wide, fabricated from min 20 MSG (0.0329 in., min. bare metal thickness) corrosion protected steel. Studs shall be designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute. All design details enhancing the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel designer and/or producer and shall meet the requirements of all applicable local code agencies. Studs spaced 16 in. OC max. Steel studs attached to floor and ceiling runners with 1/2 in. long Type S-12 steel screws on both sides of the studs or by welded or bolted connections designed in accordance with the AISI specifications (bearing walls). Studs to be cut 3/4 in. less than assembly height and friction-fitted into floor and ceiling runners (nonbearing walls).

3. **Cementitious Backer Units*** — Nom 5/8 in. thick boards, square edge, attached to studs with 1-1/4 in. long corrosion resistant, wafer head Type S12 steel screws spaced 8 in. OC along the steel studs and 12 in. OC along the top and bottom of the wall. Boards applied either horizontally or vertically. When applied vertically, side joints to be centered over studs; when applied horizontally, butt joints centered over studs. Joint treatment as described in Item 5.

UNITED STATES GYPSUM CO — DUROCK Exterior Cement Board or DUROCK Brand Cement Board.

4. **Batts and Blankets*** — Nom 3 in. thick mineral wool insulation batts, friction-fitted between studs and ceiling and floor runners.

USG INTERIORS INC — Type SAFB

5. **Wall and Partition Facings and Accessories*** — Intended as a base preparation for ceramic tile, Item 7, or exterior finish systems, Item 8. USG Exterior Basecoat applied in two coats to joints and screw heads; 2 in. wide fiberglass mesh centered over joints and embedded in first layer of USG Exterior Basecoat.

UNITED STATES GYPSUM CO — USG Exterior Basecoat

5A. **Joint Tape and Compound** — (Not shown) — As an alternate to Item 5. Intended as a base prepration for veneer plaster, Item 9. USG Plaster Bonder applied over joint, under joint compound. Joints then treated with setting type compound and paper tape.

6. **Vapor Permeable Water Barrier** — (Optional — Not shown) — As required.

7. **Ceramic Tile** — Ceramic tile adhered to cementitious backer units with mortar or adhesive. Tile joints filled with grout.

8. **Exterior Finish System** — In lieu of Item 7 — The exterior finish system consists of the following components:

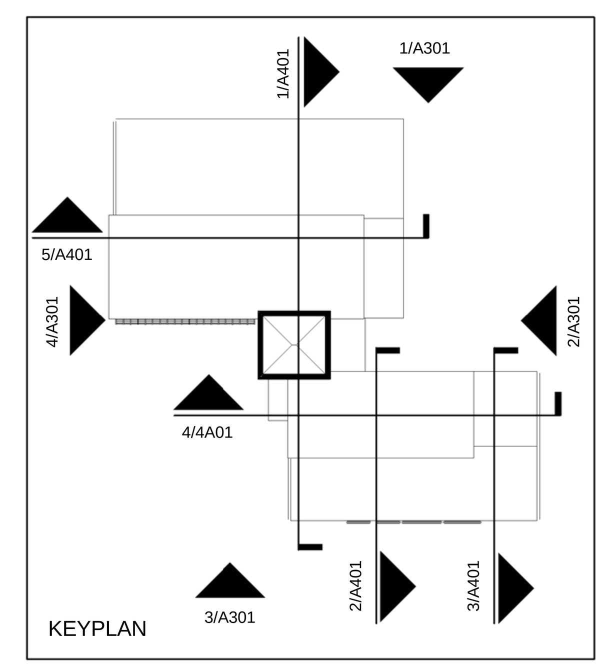
A. **Foamed Plastic*** — Aged expanded polyestyrene (EPS) board per ASTM C578, with a nom density not less than 1 pcf, R-value 3.8 min per inch, with a flame spread of less than 25 and a smoke developed of less than 450, adhered to the cementitious backer units (Item 3) with USG Exterior Insulation Board Adhesive. See **Foamed Plastic (BRYX and/or CCVW) Categories** for names of Classified companies.

B. **Wall and Partition Facings and Accessories*** — Min 3/32 in. thick, applied over the cementitious backer units (Item 3) or the insulation board (Item 8A), to embed an open-weave fiberglass mesh (mesh weighing not less than 4.5 oz per sq yd, treated for

9. **Veneer Plaster** — In lieu of Item 7 — Nom 3/32 in. thick gypsum veneer plaster applied to the surface of the cementitious backer units (Item 3). Surface of cementitious backer units must be treated with USG Plaster Bonder prior to the application of the veneer plaster.

*Bearing the UL Classification Mark

Last Updated on 2002-03-19



KEYPLAN

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PERMIT SET
11-09-09

APEX SCHOOL OF THEOLOGY

1704 TW ALEXANDER,
DURHAM NORTH CAROLINA

PRINCIPAL IN CHARGE
Ashely Hernandez, AIA

PROJECT MANAGER
Daniel Cordon

DRAWN BY
HDG

REVISIONS

NO.		DATE

SHEET TITLE
LIFE SAFETY

PROJECT NO.
HDG201009

ISSUE DATE	SHEET NUMBER
09/09/11	G0-02