### Table 503: Floor Live Load (indicate area)

<table>
<thead>
<tr>
<th>Story</th>
<th>TOTAL REQUIRED</th>
<th>TOTAL PROVIDED</th>
<th>REDUCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>H + 20 ft =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Table Cell Formulas:**

- **TOTAL REQUIRED**: \( \text{Load} \times \text{Area} \)
- **TOTAL PROVIDED**: \( \text{Load} \times \text{Area} \) if provided
- **REDUCTION**: \( \frac{\text{TOTAL REQUIRED} - \text{TOTAL PROVIDED}}{\text{TOTAL REQUIRED}} \times 100\% \)

### Accessibility Compliance Form

- **Access Modes**: The loss of 1 means of egress shall not reduce the available capacity to less than 50 percent of the total required (Section 1005.1)
- **Assembly Occupancies (Section 1025)**: Yes
- **Special Suppression Sprinklers (Appendix D)**: Yes
- **Type of Standpipe System (706)**: Yes
- **Shafts - Ductwork (709)**: Yes
- **Columns Supporting Roof (707)**: Yes
- **Floor Ceiling Assembly - Server Room (707)**: Yes
- **E-32**: Yes
- **D-32**: Yes
- **C-32**: Yes
- **B-32**: Yes
- **A-32**: Yes
- **E-42**: Yes
- **D-42**: Yes
- **C-42**: Yes
- **B-42**: Yes
- **A-42**: Yes
- **E-52**: Yes
- **D-52**: Yes
- **C-52**: Yes
- **B-52**: Yes
- **A-52**: Yes

**NOTE**: All table values in the PDF are placeholders and do not represent actual values. The values should be filled in by the designers or architects based on the specific project requirements.
6. Wall and ceiling systems — Gypsum panels shall be applied vertically only and secured as described in Item 6.

**Interior Walls**

- Horizontal edge joints and horizontal butt joints on opposite sides of studs on interior walls need not be staggered.
- Head sheet steel type, spaced 12 in. O.C.
- First layer Type S-12 by 1 in. long for 1/2 and 5/8 in. thick wallboard.
- Third layer Type C-12 by 2-1/4 in. long for 3/4 in. thick wallboard.
- Nominal dry density of 4.58 lb/ft³.
- Fiber is applied to joints and screw heads of outer layer. Perforated paper tape, 2 in. wide, is used.
- A minimum 1 in. air space is to be maintained between the outer surface of the foamed plastic and the inner surface of the brick or lap siding.
- 2 layers, 3/4 in. thick or lap siding.
- 1 layer, 1/2 in. thick

**Exterior Walls**

- Steel members, min No. 20 MSG (0.0329 in., min bare metal thickness)
- 1 layer, 1/2 in. thick
- 2 layers, 3/4 in. thick

**Ratings Applicable to Assemblies Serving as Exterior Walls**

- Classified fire resistive — See Items 4 and 5.
- UL classifications for rated wall components: Design Nos. L501, G512 or U305.
- Gypsum board bearing the UL Classification Marking as to Fire Resistance, of a thickness to completely fill stud cavity.
- Rated sheathing type wallboard is substituted on the exterior face.
- *Ratings applicable to assemblies serving as exterior walls where Classified fire resistive.

**Exterior Wall Composition**

- Viroc subfloor, batt insulation, with resilient channel
- Wire subfloor, soft insulation, with resilient channel
- Viroc subfloor, batt insulation, with resilient channel
- Wire subfloor, soft insulation, with resilient channel

---

**Design Notes**

- The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product.
- For exterior walls, ratings applicable with exposure C.
- Exposed brick veneer, with a maximum of 3-3/4 in. thick brick veneer facing is used, the exterior wall rating is applicable with exposure C.
- When a minimum 3-3/4 in. thick brick veneer covering is used, the exterior wall rating is applicable with exposure C.
- When a minimum 3-3/4 in. thick brick veneer covering is used, the exterior wall rating is applicable with exposure C.
- When a minimum 3-3/4 in. thick brick veneer covering is used, the exterior wall rating is applicable with exposure C.

---

**Specifications**

- Manufacturer: U.S. Gypsum Company
- Class: Type C Fire Resistant
- Rated to: 2 hours
- Minimum dry density: 4.58 lb/ft³
- Application: As exterior walls
- Exposure: C
- Production: Architectural

---

**Exterior Wall Details**

- Door Frames: Exterior door frames shall be of fir or fir equivalent material.
- Exterior Wall: Exterior walls forming the enclosure of the building shall be of fir or fir equivalent material.
- Roof: Roof construction shall be of fir or fir equivalent material.
- C e e p i n g : C e e p i n g s a r e p l a c e d o n l a y e r s o f f o a m p l a s t i c , w i t h a c l a s s e d f i r r e s i s t i v e c o m p o s i t e l a y e r.

---

**Fire Tests**

- 1 Hour - U.L. Design No. L524; furring channels and 2 layers 3/4” Gypsum Board - L501; Metal panel
- Wire subfloor, soft insulation, with resilient channel

---

**Exterior Wall Construction**

- 1 layer, 1/2 in. thick
- 2 layers, 3/4 in. thick
- 3-3/4 in. brick veneer

---

**Technical Specifications**

- See Batts and Blankets* (BZJZ) Category for names of Classified companies.
- **LEGAL DISCLAIMER**: The information provided is for general reference only and does not constitute a warranty or guarantee of any kind. Users are advised to consult with their own professionals and engineers for site-specific advice and recommendations.
A2.1

PARTIAL REAR ELEVATION

NEW INFILL

REMOVE EXIST. METAL SIDING AND INSTALL NEW METAL SIDING TO MATCH EXISTING.

NEW INFILL CONSTRUCTION AT FORMER OVERHEAD DOOR AND PERSONNEL DOOR

NEW INSULATED STEEL DOOR. PAINTED TO MATCH EXISTING. NEW HARDWARE CANOPY (EXISTING RELOCATED)

NEW MASONRY BASE. TOOTHED INTO EXISTING AT BOTH OPENINGS

EXISTING PARAPET WALL

A2.1

SIDE ELEVATION

NEW WINDOWS TO MATCH EXIST'G FIRST FLR WINDOWS

7'-0" 5'-4"

NEW OPENING IN EXIST'G BRICK VENEER WALL. INSTALL NEW STEEL LINTEL. SOLDIER COURSE & SILL TO MATCH EXISTING. SALVAGE BRICK FOR OWNER.

OFFICE 6
OFFICE 7
OFFICE 8
OFFICE 9
OFFICE 10
OFFICE 11

A2.1

BUILDING SECTION

NEW 2-STORY INTERIOR ALTERATION EXISTING

RAISED ACCESS FLOOR. HEIGHT TO BE DETERMINED

1-HOUR RATED WALLS AND CEILING

SECOND FLOOR ALIGN WITH EXISTING CEILING JOIST BEARING. FIELD VERIFY

CEILING FRAMING NOTE: CONFIRM BEARING HEIGHT WITH REQUIRED CLEARANCES FOR LIGHT FIXTURES, & DUCTWORK & COORDINATE WITH EXISTING STRUCTURE. HEADER OFF NEW FRAMING AS REQUIRED FOR NEW SYSTEMS. FIELD VERIFY ALL FIELD CONDITIONS PRIOR TO FABRICATION OF DUCT SYSTEMS. NEW FRAMING DOES NOT ATTACH TO EXISTING

EXISTING ROOF AND ROOF STRUCTURE

EXISTING CMU & BRICK VENEER STUD WALL ASSEMBLY. SEE STRUCTURAL DRAWINGS FOR INFORMATION PERTAINING TO THE INSTALLATION OF THE NEW FIRST FLOOR WINDOWS

NEW STEEL STUD BEARING WALLS AND LIGHT GAUGE STEEL FLOOR FRAMING. SEE STRUCTURAL DRAWINGS FOR ALL FRAMING MEMBER SIZES AND INSTALLATION DETAILS

ACT CEILING. ALIGN WITH WINDOW HEAD

NEW WINDOW IN EXISTING BRICK VENEER WALL. INSTALL NEW LINTEL, SEE STRUCTURAL DRAWINGS. SILL TO MATCH EXISTING. PROVIDE GYP.BD EXPANSION JOINT AT EXISTING.finished WALL & NEW WALL CONNECTION..

ALL FLOOR FINISHES, BASE & WALL PAINT TO BE SIMILAR TO EXISTING. PROVIDE OWNER WITH SELECTIONS BASED ON EXISTING

HEADER. SEE STRUCTURAL DRAWINGS.

EXISTING CONCRETE SLAB. SEE STRUCTURAL DRAWINGS

LIGHT GAUGE STEEL CEILING JOISTS

PROVIDE SAFB INSULATION AND FIRE CAULK AS REQUIRED TO CLOSE OFF CONCEALED WALL CAVITY BETWEEN THE FIRST AND SECOND FLOOR

NEW 2-STORY INTERIOR ALTERATION EXISTING

EXISTING PURLINS & INSULATION

EXISTING WINDOW

NEW WINDOW. SEE ELEVATION

POSEidon STRAP INSTALLATION AND FIRE CAULK AT HOLES BETWEEN THE FIRST AND SECOND FLOOR

EXISTING METAL ROOF