


Diagram illustrating the calculation of Stair Egress Width:

- LEVEL EGRESS WIDTH PER PERSON** (SERVED (2006 NFPA 101 TABLE 7.3.3.1))
- CALCULATED # OF PERSONS SERVED** (DIVIDE SCALED CLEAR EGRESS WIDTH BY 0.2' / PERSON SERVED)
- STAIR EGRESS WIDTH PER PERSON** (SERVED (LSC Table 7.3.3.1))
- CALCULATED # OF PERSONS SERVED** (DIVIDE SCALED CLEAR EGRESS WIDTH BY 0.3' / PERSON SERVED)
- CALCULATED OCCUPANT LOAD (OL)**
- AREA OF THE SPACE (FT<sup>2</sup>)**
- OCCUPANT LOAD FACTOR (FT<sup>2</sup> / PERSON), NET (N) OR GROSS (G)**

 EXIT SIGNS. SOLID ARROW DENOTES DIRECTIONAL CHEVRON. (LSC SECTION 7.10 & SECTION 19.2.10)

 1 HR FIRE RATED BARRIER

 2 HR FIRE RATED BARRIER

 1 HR FIRE/SMOKE RATED BARRIER

 2 HR FIRE/SMOKE RATED BARRIER

 NON-RATED SMOKE BARRIER

- ① Existing 1-hour fire resistance rated stair enclosure.
- ② Provide Fire/Smoke Dampers at penetrations of rated Shaft as Required by NFPA 101.
- ③ The walls of this room to be 1-hour fire resistance rated.

1. The occupancy classification for this building is Health Care Nursing Home in accordance with NFPA 101.
2. Construction type of the existing building is Type IIA in accordance with 2009 IBC Chapter 6.
3. Maximum permitted travel distance is 200 ft.
4. Automatic Sprinkler System to be provided in accordance with NFPA 13.
5. Fire Alarm System to be provided in accordance with NFPA 72.
6. Fire Extinguishers to be provided in accordance with NFPA 10.
7. Duct penetrations of rated wall, floor, and ceiling assemblies to be provided with fire, smoke, or combination fire/smoke dampers where required by NFPA 101.
8. Location of existing exit signs is not known. Exit signs are required to be provided in accordance with NFPA 101 Section 7.10.

0' 4' 8' 16'

SCALE:  $1/8" = 1'-0"$

NORTH

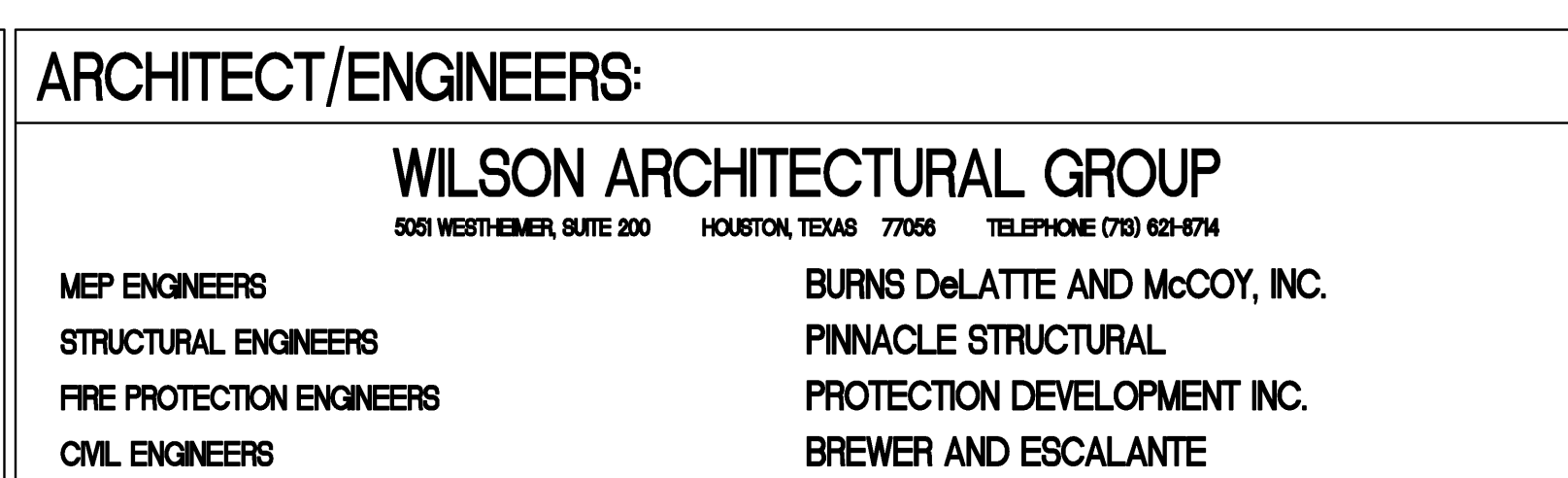
**CONSULTANTS:**

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**Protection Development**  
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DO NOT SCALE THESE DRAWINGS. G.C. TO FIELD VERIFY DIMENSIONS

Drawing Title

FIRST FLOOR - LIFE SAFETY PLAN

Approved: Project Director

Project Title <b>BUILDING 11 ADDITION &amp; INTERIOR RENOVATIONS</b>			ISSUED FOR BIDS Project Number <b>674AA-CS-516</b>		FULLY SPRINKLERED	
Location <b>WACO, TEXAS</b>			Building Number <b>11</b>		<b>Office of Construction and Facilities Management</b>	
Drawing Number <b>CR-101</b>			 <b>Department of Veterans Affairs</b>			
Date <b>19 DEC 2011</b>	Checked <b>GZ</b>	Drawn <b>JC/KE</b>	Dwg. of			