

**GENERAL NOTES**

- A. CODES:**  
1. IBC (MASSACHUSETTS STATE BUILDING CODE, 8th EDITION)  
2. AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION AISC)
- B. DESIGN LOADS:**  
1. SNOW LOAD: 55 psf  
2. WIND SPEED: 100 mph  
3. EXPOSURE: CATEGORY C
- C. STRUCTURAL STEEL:**  
1. ALL STRUCTURAL STEEL TO COMPLY WITH ASTM REQUIREMENTS AS FOLLOWS:  
SHAPES: A992  
ALL OTHERS: A500  
ASTM-325:  
MINIMUM THICKNESS OF CONNECTING ANGLES TO BE 3/8"  
STIFFENER PLATES TO BE 3/8" THICK (MIN.) EACH SIDE OF BEAM WEB.  
ALL MISAPPLIED WELDING SHALL BE GROUND SMOOTH.  
COLD AND REDRILLED FOR SPECIFIED BOLTS.  
TORQUE-TIGHTENING AS PER CURRENT AISC SPECIFICATIONS BEFORE LOADS ARE APPLIED.  
ALL UNUSED BOLT HOLES SHALL BE WELDED SOLID AND GROUND SMOOTH.  
ALL WELDING (IN SHOP & FIELD) SHALL COMPLY WITH LATEST AWS STANDARDS AND SHALL BE COMPLETED BY AN AWS-CERTIFIED WELDER.  
UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL SHALL BE PAINTED WITH ONE SHOP COAT OF THE MEC 996 METAL PRIMER OR EQUAL. COLOR TO BE GREY.
- D. STEEL LINTELS:**  
1. STEEL LINTELS AT ALL MASONRY OPENINGS, DOORS, WINDOWS, RECESSES, DUCTS, VENTS, ETC. (FURNISHED UNDER MISCELLANEOUS METALS) SHALL BE AS FOLLOWS:  
OPENING WIDTH: LINTEL / 4" WIDTH OF MASONRY  
L4 x 3-1/2 x 5/16  
L5 x 3-1/2 x 5/16  
4" - 6" O.C.  
6" - 8" O.C.  
BEARING OF LINTELS ON WALL TO BE 8" MINIMUM. GROUT 3 CELLS (MIN.) SOLID BELOW FOR BEARING.  
2. ALL EXTERIOR ANGLE LINTELS TO BE HOT-DIPPED GALVANIZED.
- E. WOOD:**  
1. ALL WOOD NAILED TO BE PRESSURE TREATED UNLESS OTHERWISE NOTED.  
2. ALL WOOD MEMBERS TO HAVE THE FOLLOWING MINIMUM ALLOWABLE STRESSES:  
F<sub>v</sub> = 1200 psi  
E = 1,200,000 psi  
3. ROOF SHEATHING TO BE 5/8" APA STRUCTURAL #1 RATED PLYWOOD SHEATHING EXP. 1 W/CLIPS @ ALL JOINTS.
- F. CMU:**  
1. CMU SHALL HAVE A MINIMUM ALLOWABLE STRESS OF F<sub>m</sub> = 1,900 psi.  
2. CMU SUPPLIER SHALL SUBMIT A TEST REPORT AND DESIGN DATA.  
3. GROUT SHALL BE FIVE STAR NON-SHRINK EPOXY GROUT BY US GROUT CORP. OR EQUAL (4,000psi MINIMUM).  
4. CMU REINFORCING SHALL BE TO BE NEW BILLET STEEL, GRADE 60.
- G. MISCELLANEOUS:**  
1. VERIFY ALL EXISTING DIMENSIONS AND ELEVATIONS IN FIELD PRIOR TO CONSTRUCTION.  
2. VERIFY ALL NEW DIMENSIONS AND ELEVATIONS WITH ARCHITECT PRIOR TO CONSTRUCTION.  
3. G.C. SHALL NOTIFY STRUCTURAL ENGINEER-OF-RECORD PRIOR TO STRUCTURAL WORK IF FIELD CONDITIONS DIFFER FROM THOSE INDICATED ON THE G.C. SHALL DESIGN AND INSTALL TEMPORARY SHORING AS REQUIRED TO PERFORM THE WORK INDICATED ON THE STRUCTURAL DRAWINGS.  
4. NO MATERIAL SHALL BE FABRICATED UNTIL SHOP DRAWINGS ARE APPROVED. SHOP DRAWINGS SHALL BE SAME SIZE AND CLARITY AS CONTRACT DRAWINGS, AND SHALL BE COORDINATED WITH OTHER RELATED SHOP DRAWINGS.  
5. NO PERMISSION WILL BE GRANTED FOR ANY STRUCTURAL DRAWINGS TO BE REPRODUCED FOR USE AS SHOP DRAWINGS.  
6. SUBMIT FOUR HARD COPIES OF ALL STRUCTURAL DRAWINGS TO BE SUBMITTED TO THE ARCHITECT AND ENGINEER-OF-RECORD PRIOR TO CONSTRUCTION.  
7. G.C. SHALL COORDINATE THE WORK OF ALL TRADES TO PROVIDE FUNCTIONAL AND DIMENSIONAL COMPATIBILITY BETWEEN ALL COMPONENTS.

