

DESIGN CRITERIA

- 1. BUILDING CODE = 2018 INTERNATIONAL BUILDING CODE
- 2. IMPORTANCE FACTORS SNOW (Is) = 0.80
SEISMIC (Ie) = 1.00
- 3. GROUND SNOW LOAD = 10 PSF
- 4. ROOF LIVE LOAD = 5 PSF (NO FOOT TRAFFIC)
- 5. FLOOR LIVE LOAD = 40 PSF (UNOCCUPIED STORAGE ONLY)
- 6. WIND LOAD
 - i. ULTIMATE WIND SPEED (IBC) = 150 MPH
 - ii. NOMINAL WIND SPEED (ASCE 7-16) = 116 MPH
 - iii. EXPOSURE CATEGORY = B
 - iv. WIND BASE SHEAR (MWFERS) $V_x = 2.4 k$ (PER FRAME)
 $V_y = 2.4 k$ (PER FRAME)
- 7. SEISMIC LOAD
 - i. SEISMIC DESIGN CATEGORY = D
 - ii. SEI

GENERAL NOTES:

- 1. WHERE A DETAIL IS SHOWN ON THE STRUCTURAL DRAWINGS FOR ONE CONDITION, IT SHALL APPLY TO ALL SIMILAR OR LIKE CONDITIONS, UNLESS NOTED OR SHOWN OTHERWISE.
- 2. IF CONTRACTOR FINDS A DIFFERENCE BETWEEN THESE DRAWINGS AND EXISTING ELEVATIONS, OR OTHER CONDITIONS WHICH PROHIBIT EXECUTION OF THE WORK AS DIRECTED ON THESE DRAWINGS, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY.
- 3. ALL ITEMS SHALL BE TIGHTLY ANCHORED OR ATTACHED SQUARE, PLUMB AND TRUE, OR IN OTHER PLANES OR SHAPE AS SHOWN ON THE DRAWING.

CONCRETE NOTES:

- 1. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE 3000 PSI.
- 2. CONCRETE WORK SHALL COMPLY WITH ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" AND ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE".
- 3. ALL FOUNDATIONS SHALL BE PLACED ON SOIL WITH MINIMUM BEARING PRESSURE OF 1500 PSF.
- 4. FIBERMESH MAY BE SUBSTITUTED FOR WWM PER MANUFACTURER'S SPECIFICATIONS.

REINFORCING NOTES:

- 1. ALL CONCRETE REINFORCEMENT SHALL BE PER ASTM A615, GRADE 60.
- 2. PROVIDE 3" CLEARANCE TO SURFACES IN CONTACT WITH EARTH.
- 3. MINIMUM DEVELOPMENT LENGTH / LAP LENGTH SHALL BE 30 TIMES THE DIAMETER OF THE BARS.

STEEL NOTES:

- 1. ALL GALVANIZING SHALL BE PERFORMED AFTER FABRICATION, AND IN ACCORDANCE WITH ASTM A123 AND/OR A153.
- 2. MINIMUM YIELD STRENGTH OF THE STEEL USED FOR LIGHT GAUGE METAL FRAMES SHALL BE 55 KSI, FOR RAW AND GALVANIZED TUBES.
- 3. MINIMUM YIELD STRENGTH OF THE STEEL USED FOR LIGHT GAUGE METAL DECK SHALL BE 80 KSI. DECKING SPANS SHALL COVER THREE SPANS, MINIMUM.
- 4. THE LIGHT GAUGE METAL FRAMES AND DECK SHALL BE OF THE GAUGE INDICATED ON THE PLAN/DETAILS.
- 5. ALL SCREWS FOR ASSEMBLING FRAMES SHALL BE #12 SELF-MATING SCREWS.

WELDING NOTES:

- 1. ALL WELDS SHALL BE IN ACCORDANCE WITH AWS D1.1.
- 2. ALL WELDS SHALL BE COATED WITH GALVANIZED PRIMER & PAINT AFTER WELDING.



