

GENERAL NOTES

A. BUILDING AND DESIGN CODES:

- 1. INTERNATIONAL BUILDING CODE 2012.
2. ASCE 7-10 MINIMUM DESIGN LOADS BUILDING AND OTHER STRUCTURES.
3. AISI S100-18 NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.
4. ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, 2011.

B. DESIGN LOADS:

Engineering Data table containing: FLOOR LIVE LOADS: 50 PSF, ROOF LIVE LOAD: 20 PSF, SNOW LOAD INFORMATION, WIND DESIGN DATA, EARTHQUAKE DESIGN DATA, DESIGN BASE SHEAR, and FLOOD HAZARD INFORMATION.

C. GENERAL REQUIREMENTS:

- 1. SPECIFICATIONS ARE PART OF THE CONSTRUCTION DOCUMENTS AND MUST BE USED IN CONJUNCTION WITH THE DRAWINGS.
2. VERIFY THE LOCATION OF CHASES, INSERTS, OPENINGS, SLEEVES, FINISHES, DEPRESSIONS, PADS, AND WALL OPENINGS.
3. DO NOT SCALE DRAWINGS FOR THE PURPOSE OF ESTABLISHING DIMENSIONS.
4. DETAILS LABELED "TYPICAL DETAILS" ON DRAWINGS APPLY TO SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED.

FOUNDATION NOTES

- 1. FLOOR DRAIN GRATES SHALL BE FLUSH WITH FINISHED FLOOR ALL FLOOR DRAINS TO BE 1/2" BELOW FINISHED FLOOR.
2. SLOPE FLOOR 1/8" PER FOOT MIN. AT ALL FLOOR DRAINS AND FLOOR SINKS AS SHOWN.
3. ALL SIMPSON HOLD DOWNS TO BE STAINLESS STEEL OR 2-MAX GIBS HOT DIPPED GALVANIZED COATING.

SOIL PREPARATION NOTES

- 1. THE FOUNDATION DESIGN IS BASED ON ALLOWABLE BEARING CAPACITY OF 1500 PSF, AND ALLOWABLE LATERAL BEARING CAPACITY OF 100 PSF AS PROVIDED IN THE 2012 INTERNATIONAL BUILDING CODE.
2. PROVIDE POSITIVE DRAINAGE FOR ALL TRENCHES DURING CONSTRUCTION. DO NOT ALLOW ANY PONING OF WATER DURING CONSTRUCTION.
3. THE SOIL BENEATH THE BUILDING AND 5 FEET AROUND THE PERIMETER SHALL BE TREATED AS FOLLOWS:

SLAB-ON-GRADE NOTES

- A. SLAB ON GRADE PER 1/2S101.
B. THE SLAB SHALL BE UNDERLAIN BY A MINIMUM 10-MIL "STEED WHAP" CLASS A VAPOR BARRIER BY STEED INDUSTRIES OR VAPOR BLOCK 10 BY RAVEN INDUSTRIES TO BE PLACED BELOW THE FLOOR SLAB WHERE REQUIRED TO PROTECT MOISTURE-SENSITIVE FLOOR COVERINGS.

REINFORCING STEEL NOTES

- A. PROVIDE DETAILING, FABRICATION, AND INSTALLATION OF REINFORCING AND ACCESSORIES IN ACCORDANCE WITH ACI 315 AND ACI 318.
B. PROVIDE NEW BULLET STEEL REINFORCING BARS IN ACCORDANCE WITH ASTM A41, GRADE 60.
C. PROVIDE ANCHOR BOLTS CONFORMING TO THE STANDARDS OF ASTM F1554 OR 36 UNLESS OTHERWISE NOTED.
D. COORDINATE PLACEMENT OF CAST-IN-PLACE EMBEDMENTS AND ANCHOR BOLTS. SET ANCHOR BOLTS WITH A TEMPLATE. SECURELY ATTACH EMBEDDED ITEMS TO FORMWORK OR REINFORCING.

CONCRETE NOTES

- A. PROVIDE DIFFERENT CLASSES OF CONCRETE AS SHOWN BELOW. PROVIDE BATCH MIXING, TRANSPORTATION, PLACING AND CURING OF CONCRETE IN ACCORDANCE WITH RECOMMENDATIONS OF ACI 301 AND ACI 318.
1. NORMAL WEIGHT (150 PCF), F'c = 3,500 PSI CONCRETE AT 28 DAYS (MINIMUM OF 5 SACKS OF PORTLAND CEMENT PER CUBIC YARD)
a. ALL CONCRETE GRADE SUPPORTED SLABS AND GRADE BEAMS.
b. FOOTINGS.

EPOXY ANCHORED DOWELS AND BOLTS

- A. REFERENCE DRAWINGS FOR EPOXY ANCHORING SYSTEM.
B. INSTALL BOLTS AND DOWELS IN ACCORDANCE WITH CURRENT MSD REPORT FOR THE BOLT, AND RECOMMENDATIONS OF THE MANUFACTURER. FOLLOW MANUFACTURER'S INSTRUCTIONS EXPLICITLY.
C. INSTALL BOLTS AND DOWELS PERPENDICULAR TO THE FACE OF CONCRETE, UNLESS OTHERWISE INDICATED IN THE DRAWINGS.

LIGHT GAUGE STEEL NOTES

- 1. PROVIDE ALL STUDS AND/OR JOISTS AND ACCESSORIES OF THE TYPE, SIZE, GAGE AND SPACING SHOWN ON THE DRAWINGS.
2. DESIGN ALL STRUCTURAL MEMBERS IN ACCORDANCE WITH AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION.
3. FORM ALL FRAMING MEMBERS FROM CORROSION RESISTANT STEEL, CORRESPONDING TO THE REQUIREMENTS OF ASTM A563 AND THE FOLLOWING STRENGTH REQUIREMENTS:

Table with 3 columns: FRAMING MEMBER, THICKNESS (MIL), MINIMUM YIELD. Rows include STUDS, JOISTS, HEADERS and TRACKS, SOLID BLOTTING.

- 4. PLACE ALL COLD-FORMED STEEL STUD WALL BRACING HORIZONTALLY WITH A MAXIMUM VERTICAL SPACING OF FOUR FEET UNLESS NOTED OTHERWISE.
5. INSTALL AXIALLY LOADED STUDS IN A MANNER WHICH WILL ASSURE THAT THEIR ENDS ARE POSITIONED AGAINST THE INSIDE OF RUNNER WEB PRIOR TO FASTENING.
6. FASTEN COMPONENTS WITH SELF-DRILLING SCREWS OR WELDING. PROVIDE SCREWS OF SUFFICIENT SIZE TO INSURE THE STRENGTH OF THE CONNECTION. WIRE TYING OF COMPONENTS IS NOT PERMITTED. TOUCH UP ALL WELDS WITH A ZINC-RICH PAINT.

METAL DECK

- 1. PROVIDE DESIGN, FABRICATION, AND ERECTION OF METAL DECK CONFORMING TO THE STEEL DECK INSTITUTE'S "CODE OF RECOMMENDED STANDARD PRACTICE AND BASIC DESIGN SPECIFICATIONS".
2. FORM ROOF AND FLOOR DECK FROM STEEL SHEETS CONFORMING TO ASTM A 811 GRADE C AND D OR A 653 OR HIGHER SPECIFICATIONS WITH A MINIMUM YIELD STRENGTH OF 33 KSI.
3. ATTACH SHEETS TO STEEL SUPPORT MEMBERS AS INDICATED AND IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.

SPECIAL INSPECTIONS NOTES

- A. THE OWNER WILL EMPLOY THE SERVICES OF ONE OR MORE SPECIAL INSPECTORS TO PROVIDE SPECIAL INSPECTIONS DURING CONSTRUCTION FOR THE ITEMS IN THE SPECIAL INSPECTION TABLE BELOW IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE 2012 EDITION, NOT APPLICABLE TO SLABS ON GROUND OR PRECAST CONCRETE FULLY SUPPORTED ON EARTH.
B. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE CONFIDENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
C. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:

Table with 3 columns: SPECIAL INSPECTION, FREQ., REFERENCED STANDARD. Rows include FILL, CONCRETE, STEEL CONSTRUCTION, ADHESIVE ANCHORS/REINF., and INSPECTION OF FABRICATOR(S).



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