

STRUCTURAL STEEL NOTES

- 1. FABRICATION AND ERECTION OF STRUCTURAL STEEL AND DESIGN OF CONNECTIONS SHALL BE IN ACCORDANCE WITH THE AISC 'SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS' (AISC 360) AND THE AISC 'CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES' (AISC 303).

STEEL DECK NOTES

- 1. ROOF DECK SHALL BE GALVANIZED G90 STEEL CONFORMING TO ASTM A653. STEEL ROOF DECK SHALL BE 1 1/2" DEEP WIDE RIB DECK WITH THE FOLLOWING MINIMUM SECTION PROPERTIES:

COLD-FORMED STEEL FRAMING NOTES

- 1. COLD-FORMED STEEL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE (AISI) 'NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS' (AISI S100).

Table with 2 columns: CONDITION, CONNECTION. Rows include STUD-TO-TRACK, TRACK-TO-STEEL BEAM, EXTERIOR STUD TRACK-TO-CONCRETE SLAB OR FOUNDATION.

STEEL JOIST NOTES

- 1. K-SERIES OPEN WEB STEEL JOISTS SHALL BE IN ACCORDANCE WITH THE 2010 EDITION OF THE STEEL JOIST INSTITUTE (SJI) 'STANDARD SPECIFICATION FOR OPEN WEB STEEL JOISTS, K-SERIES' (SJI-K-2010).

Table with 3 columns: ROOF ZONE, NET UPLIFT (PSF), 21-100 FT² COMPONENT EFFECTIVE WIND AREA, TYPICAL COMPONENT EFFECTIVE WIND AREA.

- 4. JOISTS AND JOIST GIRDERS WITH CONNECTIONS ON THE TOP OR BOTTOM CHORDS NOT LOCATED AT A PANEL POINT SHALL BE REINFORCED WITH A FIELD INSTALLED MEMBER.

POST-INSTALLED ANCHOR NOTES

- 1. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED IN THE CONSTRUCTION DOCUMENTS. OBTAIN APPROVAL FROM STRUCTURAL ENGINEER OF RECORD PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS OR FOR SUBSTITUTIONS.

POST-INSTALLED ANCHOR NOTES (CONTINUED)

- 8. AN INDEPENDENT TESTING AGENCY SHALL INSPECT ANCHORS DURING INSTALLATION TO VERIFY CONFORMANCE WITH THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS.

QUALITY ASSURANCE AND INSPECTIONS NOTES

- 1. REFER TO SPECIFICATIONS FOR REQUIREMENTS FOR QUALITY ASSURANCE. EXCEPT WHERE INDICATED, INSPECTIONS AND TESTING SHALL BE PERFORMED BY AN AGENT EMPLOYED BY THE CITY OF WILMINGTON.

STRUCTURAL LEGEND SYMBOL DESCRIPTION. Includes symbols for COLUMN REFERENCE LINE, KEYED CONSTRUCTION NOTE, WALL TYPE, SLOPE DIRECTION, DECK SPAN, CHANGE IN SLAB ELEVATION, INDICATES ELEVATION REFERENCED TO FINISHED FIRST FLOOR, SPOT ELEVATION, BRICK, CONCRETE, CONCRETE MASONRY UNIT (CMU), GROUT, POROUS FILL, EARTH FILL, SLAB DEPRESSION, JOIST BRIDGING, MOMENT CONNECTION, WELDED WIRE REINFORCEMENT, END REACTIONS, BEAM OR JOIST GIRDER SIZE, TOP OF STEEL RELATIVE TO FINISHED FIRST FLOOR ELEVATION, APPLIED FORCE COORDINATE SYSTEM FOR CONNECTIONS.

STRUCTURAL PRECAST CONCRETE NOTES

- 1. ALL PRECAST CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE AMERICAN CONCRETE INSTITUTE 'BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE' (ACI 318-11) AND THE DESIGN RECOMMENDATIONS OF THE PRECAST CONCRETE INSTITUTE MANUAL, 'PCI DESIGN BOOK - PRECAST AND PRESTRESSED CONCRETE,' SIXTH EDITION.

Diagram of a precast concrete double-tee with labels A, B, C, D, X, Z. Includes text: APPLIED FORCE COORDINATE SYSTEM FOR CONNECTIONS.

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SHEET STRUCTURAL GENERAL NOTES AND LEGEND

S-002

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