

GENERAL NOTES

- 1. THE NOTES ON THESE DRAWINGS ARE NOT INTENDED TO REPLACE SPECIFICATIONS...
2. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS...
3. ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD...
4. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE...
5. SECTIONS AND DETAILS SHOWN ON ANY STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS AS DETERMINED BY THE ARCHITECT...
6. PROVIDE AND INSTALL NECESSARY MATERIAL TO CONNECT ELEVATOR SUPPORT BEAMS AND GUIDE RAILS...
7. THE CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR ALL PARTS OF THE WORK...
8. ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED...

DESIGN LOADS

Table with 2 columns: Design Load Category and Value/Reference. Includes Building Code (BOCA NATIONAL BUILDING CODE (1999)), Design Live Loads (FLOORS, ROOF), and Design Live Loads (EARTHQUAKE).

FOUNDATION NOTES (CONTINUED):

- 8. THE CONTRACTOR SHALL SUBMIT INFORMATION ON HIS OR HER PROPOSED PILE DRIVING SYSTEM FOR REVIEW BY THE GEOTECHNICAL ENGINEER...
9. EXTEND BOTTOM OF EXTERIOR PILECAPS AT LEAST 4.5 FEET BELOW THE FINAL EXTERIOR GRADE...
10. PILE CAP SUBGRADE SOILS SHOULD NOT BE ALLOWED TO FREEZE...
11. SUBMIT FOR REVIEW A PILE LOCATION PLAN PRIOR TO PILE DRIVING...
12. CONTRACTOR SHALL KEEP AN ACCURATE RECORD OF PILE DRIVING...

CONCRETE NOTES

- 1. CONCRETE WORK SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318 - LATEST)...
2. GENERAL CONTRACTOR, CONSTRUCTION MANAGER AND/OR OWNER'S CLERK OF THE WORKS SHALL HAVE AVAILABLE ON SITE AT ALL TIMES A COPY OF ACI "FIELD REFERENCE MANUAL SF-15(LATEST)"...
3. CONCRETE SHALL BE CONTROLLED CONCRETE, PROPORTIONED, MIXED, AND PLACED IN THE PRESENCE OF A REPRESENTATIVE OF AN APPROVED TESTING AGENCY...
4. CONCRETE MIX DESIGN: PILE CAPS, GRADE BEAMS...
5. ADJUSTMENT TO CONCRETE MIXES: MIX ADJUSTMENTS MAY BE REQUESTED BY THE CONTRACTOR...

CONCRETE NOTES (CONTINUED):

- 13. MINIMUM CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS:
A) SURFACES CAST AGAINST AND PERMANENTLY IN CONTACT WITH EARTH, 3.0"
B) FORMED SURFACES IN CONTACT WITH EARTH OR EXPOSED TO WEATHER #5 BARS, 5/8" DIAMETER WIRE, AND SMALLER, 1.5" #6 THROUGH #11 BARS, 2.0"
C) SURFACES NOT IN CONTACT WITH EARTH OR EXPOSED TO WEATHER WALLS, SLABS, JOISTS #11 BARS AND SMALLER, 1.0" BEAMS, GIRDERS, AND COLUMNS; ALL REINFORCEMENT, 1.5"
14. REINFORCEMENT SHALL BE CONTINUOUS AROUND CORNERS AND AT INTERSECTIONS...
15. PROVIDE A MIN. 15 MIL. POLYOLEFIN GEOMEMBRANE TYPE VAPOR RETARDER UNDER INTERIOR SLABS...
16. CONSTRUCTION JOINTS SHOWN ON DRAWINGS ARE MANDATORY...
17. WHERE CONSTRUCTION JOINTS ARE NOT SHOWN, OR WHEN ALTERNATE LOCATIONS ARE PROPOSED...
18. SPACING OF CONSTRUCTION JOINTS, UNLESS NOTED OTHERWISE SHALL BE AS FOLLOWS:
A) FOOTINGS AND WALLS MAX LENGTH 40'-0" NOR 15'-0" FROM ANY CORNER\*\*
B) SLABS ON GRADE MAX LENGTH 30'-0" \*\* MAX AREA 900 SF\*\* PLACED IN ALTERNATE PANELS
C) CONCRETE ON STEEL DECK MAX LENGTH 90'-0" MAX AREA 8,100 SF
\*\* EXCEED ONLY WHERE INTERMEDIATE CONTRACTION JOINTS ARE PROVIDED...

STRUCTURAL STEEL NOTES (CONTINUED):

- 14. PROVIDE 3/8" MINIMUM STIFFENER PLATES EACH SIDE OF BEAM WEB AT BEAMS FRAMING OVER COLUMNS AND AT BEAMS SUPPORTING COLUMNS ABOVE.
15. PROVIDE 1/4" THICK LEVELING PLATE UNDER ALL COLUMN BASE PLATES UNLESS OTHERWISE NOTED...
16. PROVIDE ALL ANGLES, PLATES, ANCHORS, BOLTS, ETC., SHOWN ON ARCHITECTURAL DRAWINGS.
17. LINTELS FOR EXTERIOR MASONRY AND STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE HOT-DIP GALVANIZED...
18. PROVIDE L 4 X 4 X 1/4 SLAB SUPPORT ANGLE AS REQUIRED AT COLUMNS WHERE STRUCTURAL MEMBERS DO NOT FRAME IN AT ALL FOUR SIDES.

SUBMITTALS

- 1. THE CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR ALL PARTS OF THE WORK, INCLUDING DESCRIPTION OF SHORING, AND CONSTRUCTION METHODS AND SEQUENCING WHERE APPLICABLE...
2. REQUIRED SUBMITTALS INCLUDE: STATEMENT OF SPECIAL INSPECTIONS CONCRETE MIX DESIGNS CONCRET REINFORCING INCLUDING BAR SUPPORTS PILE LAYOUT PLAN STEEL H PILE MILL CERTIFICATIONS AS-BUILT PILE PLAN STRUCTURAL STEEL MILL CERTIFICATIONS STRUCTURAL STEEL FRAMING FABRICATION DRAWINGS STRUCTURAL STEEL CONNECTION DESIGN STRUCTURAL STEEL STAIR DESIGN

REFER TO SPECIFICATIONS FOR DETAILED INFORMATION REGARDING SUBMITTALS. TESTING
1. OWNER WILL ENGAGE A QUALIFIED TESTING AGENCY TO CONDUCT PERIODIC TESTS TO CONFIRM CONSTRUCTION IS IN CONFORMANCE WITH SPECIFIED PROCEDURES AND SPECIFICATIONS.
2. TESTING SHALL INCLUDE: STRUCTURAL FILL GRADATION AND COMPACTION CONCRETE SLUMP, TEMPERATURE, AIR CONTENT AT POINT OF PLACEMENT CONCRETE COMPRESSION TESTS STRUCTURAL STEEL FIELD BOLTED CONNECTIONS STRUCTURAL STEEL FIELD WELDED CONNECTION HEADED SHEAR STUDS

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REFER TO SPECIFICATIONS AND STATEMENT OF SPECIAL INSPECTIONS FOR DETAILED INFORMATION REGARDING TESTING & INSPECTION REQUIREMENTS.

VENEER LINTELS

Table with 2 columns: Masonry Opening and Lintel Size. Lists minimum lintel sizes for various masonry opening dimensions.

FOUNDATION NOTES (PILE SUPPORTED)

- 1. FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH A REPORT ENTITLED "PILE FOUNDATION EVALUATION PROPOSED 135 MARGINAL WAY OFFICE BUILDING, PORTLAND, MAINE"...
2. THE TYPICAL PILE DESIGN SHALL BE AS FOLLOWS:
A. MATERIAL SIZE: HPBx36, ASTM A572 OR A992 GRADE 50
B. ALLOWABLE COMPRESSIVE LOAD: 40 TONS - 10 TONS DOWNDRAG = 30 TONS NET
C. AN ALLOWABLE LOAD OF 40 TONS HAS BEEN USED PRECLUDING A PILE LOAD TEST
3. ALL PILES SHALL BE END BEARING ON NATURALLY DEPOSITED DENSE SILTY SAND SOILS AND/OR BEDROCK...
4. ALL PILES SHALL BE DRIVEN USING CAST STEEL POINTS TO LIMIT PILE DAMAGE DURING DRIVING.
5. PILE LENGTHS OF BETWEEN APPROXIMATELY 40 TO 65 FEET SHOULD BE EXPECTED...
6. CONTRACTOR SHALL VERIFY UTILITY LOCATIONS, AND COORDINATE WITH OWNER'S REPRESENTATIVE...
7. PILE SPLICES SHALL BE DESIGNED AND CONSTRUCTED TO MAINTAIN ALIGNMENT AND POSITION OF PILE SECTIONS...

STRUCTURAL STEEL NOTES

- 1. STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC "SPECIFICATION FOR THE DESIGN FABRICATION, AND ERECTION OF STRUCTURAL STEEL" 9TH EDITION...
2. STRUCTURAL STEEL- STEEL PLATES, SHAPES, AND BARS, CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE (U.N.O.)...
3. STRUCTURAL TUBING: CONFORM TO ASTM A500 GRADE B46 KSI.
4. FIELD CONNECTIONS SHALL BE BOLTED USING 3/4"- DIAMETER ASTM A325N HIGH STRENGTH BOLTS (U.N.O.)...
5. WHERE WELDING IS INDICATED, ALL WELDING SHALL CONFORM TO AWS D1.1- LATEST EDITION...
6. METAL FLOOR AND ROOF DECK SHALL BE AS INDICATED ON THE DRAWINGS...
7. FASTEN METAL FLOOR DECK TO EACH BEAM AND AROUND THE PERIMETER OF THE BUILDING...
8. DESIGN AND DETAIL ALL CONNECTIONS ACCORDING TO AISC STANDARD CONNECTION TABLES...
9. ALL STEEL SHALL BE FABRICATED AND SHIPPED AS BARE UN-PAINTED STEEL...
12. SEE CONCRETE NOTES AND DRAWINGS FOR ANCHOR BOLT INFORMATION, TYP.
13. COAT ALL COLUMNS BELOW SLAB WITH BITUMINOUS MASTIC.



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