



HIGH ROOF FRAMING PLAN SCALE 1/8"=1'-0"
 NOTES: 1. 1/2" 22GA. GALV. WIDE RIB STEEL ROOF DECK

GENERAL NOTES

1. DESIGN LIVE LOADS
 - a. Roof - 30 p.s.f.
 - b. 2nd floor - 60 + 20 partition load
 - c. Mech. floors - 100 p.s.f.
 - d. Corridors - 50 p.s.f., stairs - 100 p.s.f.
2. STANDARDS & DESIGN STRESSES
 - a. Concrete
 1. Specification - ACI 318-77 & ACI 301-72 (1981 Revised)
 2. Usage: Class 3500 p.s.i. concrete for all work
 - b. Reinforcing Bars - A615-79, Grade 60.
 - c. Wire Mesh - ASTM A185-79.
 - d. Structural Steel - AISC Specifications 1980 & AWS D1.1-80. Steel - ASTM A-36. Bolts - ASTM A325-79 unless noted. Welding Electrodes - E70XX Low Hydrogen.
 - e. Load Bearing Masonry - ASA American Standard Building Code Requirements for Masonry.
 1. Hollow Concrete Block - ASTM C90-78, Grade N-1.
 2. Solid Concrete Block - ASTM C18-75, Grade N-1.
 3. Mortar - ASTM C270-80, Type M (Unless Noted)
 4. Brick - ASTM C62-80.
 5. Grout - ASTM C476-76.
3. DIMENSIONS

Contractor shall verify all dimensions before proceeding with the work.
4. FOUNDATIONS
 - a. Elevations for footings have been established from available information. Exterior footings shall be at least 2'-6" below finished grade regardless of the elevations.
 - b. All footings shall bear upon undisturbed soil and are designed for all assumed safe soil bearing pressure of 3000 p.s.f.
 - c. All disturbed earth under footing shall be replaced with concrete.
 - d. Should it be found necessary to vary the elevations given to satisfy the foregoing minimum requirements, the Engineer shall be notified before proceeding with the work.
5. CONCRETE
 - a. All exposed concrete work shall have 3% - 7% air entrainment.
 - b. Chamfer all exposed corners of formed concrete - 3/4".
 - c. Form construction joints in slabs on ground where indicated using screed key joints.
 - d. Shop drawings shall show all necessary sections and details for the proper positioning of reinforcement. Provide approved accessories as required.
6. STRUCTURAL STEEL, STEEL JOIST & STEEL DECK
 - a. Unless otherwise noted provide 1 angle 6"x3-1/2"x3/16" for each 4" wall thickness over all openings in masonry wall, with 6" bearing each end unless noted otherwise.
 - b. Open web steel joists & steel deck manufacturers to be members of the Steel Joist Institute or Steel Deck Institute respectively.
 - c. All structural steel, steel joist to receive one coat of manufacturer's standard paint color to be gray.
 - d. Connections for Structural Steel shall be shop welded. Field connections shall be 3/4" diameter A325 bolts unless shown otherwise.
7. MASONRY
 - a. All walls supporting loads other than their own dead weight shall be constructed of load-bearing masonry units.
 - b. All lintels over openings in interior cinder/slag block non-bearing partitions unless noted, shall be of cinder/slag concrete reinforced with 1 #4 bar top and bottom hooked each end for each 4" of wall thickness.
 - c. All solid masonry piers shall be bonded to adjacent masonry. All bearing walls and piers shall be constructed of solid units.
8. EARTH WORK
 - a. Contractor shall adequately protect all walls during backfill operations.
 - b. All fill under slabs on ground shall be of approved materials compacted in layers not over 8" thick (except as noted on the dig) and at least 95% of the maximum laboratory density as determined by ASTM D1557.
9. SHOP DRAWINGS
 - a. Shop drawings of reinforcing steel, structural steel, steel joists and steeldeck shall be submitted to the Architect for approval, and such approval shall be secured before fabrication is begun.
 - b. Numbering system for shop details shall insofar as possible conform to that on the design drawings, using sub-letters as required.
10. INSPECTION AND NOTIFICATION
 - a. Concrete shall be sampled and tested according to ACI 301-72 (1981 revised), and the results of the tests shall be forwarded to the Architect for review.
 - b. Notify Engineer for review of excavations for foundations and reinforcement in place prior to pouring any concrete.
 - c. Compacted fill under slabs on grade shall be tested in accordance with ASTM D1557 and ASTM D2167 or D1556 by an approval soils testing agency and the results forwarded to the Engineer for review prior to placing concrete.
 - d. Structural steel, steel joist, and steel deck shall be inspected by an independent inspection agency approved by the Architect and results shall be forwarded to the Architect prior to covering steel work.

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No.	Description	Date
Revisions		

Career Building
 Dundalk Community College
 D-012095

HIGH ROOF FRAMING PLAN
 SCALE - 1/8"=1'-0"

Project No. 8217	Drawing No. S-3
Date 9-27-82	

