

- GENERAL STRUCTURAL NOTES
- The following geotechnical report and its recommendations are hereby adopted and considered part of these notes: Foundation Engineering, Inc., Loveland, Colorado, Commission No. 1315-03-01-01.
  - Footings are centered under indicated foundation walls, piers, columns, etc. and are 1'-0" deep and extend 4" beyond faces of walls, etc., unless otherwise indicated. Footing depth shall be increased as required to meet design conditions and the related geotechnical laboratory recommendations.
  - Design Criteria: Snow Load: 30 psf.; Wind Load: 100 mph.; Seismic Zone 1.
  - Minimum clear cover to reinforcement: Unformed surfaces and bottom of footings (top of slab to W.F.): 1 1/2"; faces, walls and piers: 1 1/2". Slabs on grade (top of slab to W.F.): 1 1/2".
  - Construct floor control joints where shown or deemed necessary using either cuts installed as soon as smooth cutting is possible. Maximum area contained within contraction or construction joints shall be 400 square feet, and be not zones of potential cracking due to stress concentrations at reentrant corners, doorways and the like.
  - Tube steel columns on this project are TS 4 x 4 x 1/4 unless otherwise indicated. All A325 bolts are 3/4" diam.
  - For additional steel lintels, and related items refer to the Architectural, Mechanical, etc., drawings. Unless otherwise indicated, frame openings through roof with angle 3 x 3 x 1/4 and as required to fully support the affected zone.
  - Unless otherwise indicated or directed by the engineer, all steel to steel connections and contact faces shall be fastened together with a 1/4" fillet weld or equivalent all around.
  - The contract documents, details and data shown are based on owner supplied original construction drawings and rough field dimensions. Builder must field check all dimensions and conditions. All interested parties must be apprized of any found conflicts or differences. Any items of variation must be resolved by mutual agreement of the parties. Field conditions may vary from those shown on drawings to accommodate field discovered actual conditions. Do not scale drawings.
  - Any unnumbered use, reuse or alteration of these contract documents, related specifications, and CAD data for other than the specific purpose intended by the owner, government entity, or others without the written permission of the engineering firm, shall be the responsibility of the user. The engineering firm and its legal responsibility.
  - Work has been assigned at a stress of 50% to anticipate the need for additional knock-out bond beams, masonry lintels, and other reinforced zones, refer to the Architectural drawings and specifications.
  - Epoxy Grouted Anchors: Install in bored holes filled with self mixing, two part epoxy by "Adhesive Technology Corp." or an approved substitute. Hole depths shall be 100% of the length of the epoxy. Epoxy shall be applied by the contractor. Special care to not damage any exposed-to-view architectural finishes on either side of the walls.

STEEL LINTEL SCHEDULE

CLEAR SPAN	ANGLE MEMBER	END BRG.	REMARKS
UP TO 2'-0"	3 1/2" X 2 1/2" X 1/4" L/V	8"	1, 2
2'-0" TO 3'-0"	3 1/2" X 3 1/2" X 1/4"	8"	1, 2
3'-0" TO 4'-0"	4 1/2" X 3 1/2" X 1/4"	8"	1, 2
4'-0" TO 6'-0"	4 1/2" X 4 1/2" X 1/4"	8"	1, 2
6'-0" TO 11'-0"	6 1/2" X 4 1/2" X 1/4"	12"	1, 2
11'-0" TO 15'-0"	6 1/2" X 6 1/2" X 1/4"	12"	1, 2

- PROVIDE ONE ANGLE FOR EACH 4" OF MASONRY (GROOVE DOUBLE ANGLE IN 6" MASONRY UNITS WITH "FRAMED" JOES OR EQUIVALENT STANDARD ANGLES).
- GROUT FILL JAMB BLOCKS FROM LINTEL TO SOLID BEARING ZONE BELOW, UNLESS OTHERWISE INDICATED.
- THIS SCHEDULE APPLIES TO ALL MASONRY AND MASONRY SUPPORTING OPENINGS.
- FOR LINTEL COVER PLATES, ETC. REFER TO THE ARCHITECTURAL DRAWINGS.

