SECTION 1 S103
1/4" = 1'-0"

ELEVATION

SECTION 2 S103
3/4" = 1'-0"

SECTION 3 S103
3/4" = 1'-0"

SECTION 4 S103
3/4" = 1'-0"

NOTES:

1. Fy= 50ksi FOR ALL RODS.
2. ALL CLEVISES ARE #4 W/ SAFE WORKING LOAD = 21k.

GENERAL NOTES:

1. The design is in accordance with IBC 2009.
2. The structural drawings shall be used in conjunction with the architectural, mechanical, electrical, plumbing, and landscape drawings and specifications.
3. Details shown as typical are applicable to all similar conditions.
4. All dimensions, elevations and conditions shall be verified in the field by the contractors and any discrepancies shall be brought to the attention of the Engineer for clarification before proceeding with the affected part of the work. For work attached to or within existing structures, the contractors shall determine all necessary dimensions, elevations and conditions required for the accurate fabrication and erection of the building components. The contractor shall verify all dimensions and conditions at the site and report any discrepancy to the engineer before ordering material and proceeding with the work. Dimensions and elevations noted in the contract documents as (+/-) and all field conditions shall be verified in the field (V.I.F.) by the contractors prior to the submission of shop drawings. Upon receipt of shop drawings, the engineer has the right to assume that all field dimensions, elevations and conditions have been verified by the contractors and that the shop drawings accurately reflect such verifications unless stated otherwise on the shop drawings.
5. The contractor is entirely responsible for the stability of the structure during all phases of erection & construction.

STRUCTURAL STEEL & METAL DECK:

1. All structural steel work shall conform to the "Specifications for Design, Fabrication and Erection of Structural Steel for Buildings" of the American Institute of Steel Construction. All joists and joist girders shall conform to the latest Steel Joist Institute Standard Specifications.
2. The structural steel shall conform to the following:
   a. Structural shapes: ASTM A572 (Grade 50) or A992
   b. Plates and angles: ASTM A36.
   c. Structural tubing: ASTM A500 Grade B or C.
   d. Structural pipe: ASTM A500 Grade C.
3. All floor deck to be composite floor deck (unless noted otherwise), of the size, type and finish indicated on the plans.
4. All deck to be placed continuously over two or more spans except in areas where there is only one span.
5. The contractor shall supply all plates, clips, seat angles, connections, etc. as required for completion of the structure, even if such items are not explicitly called for on the architectural or structural drawings.
6. Design and detail all connections according to the AISC specifications.

REINFORCED CONCRETE:

1. All structural concrete shall be normal weight, stone aggregate concrete, and shall be proportioned, mixed and placed under the supervision of a control engineer in accordance with ACI 315, 318 and 301 standards, latest editions. Concrete shall develop the following 28 day strengths:
   a. Exterior: walls, footings, piers and slabs: 4500 psi (6% air entrained)
2. Reinforcing bars including stirrups shall conform to ASTM A615 with 60,000 psi yield strength with minimum anchorage and splice requirements for reinforcing in accordance with ACI 318, latest edition. Welded wire fabric shall conform to ASTM A185.
3. Slabs on grade shall be placed in accordance with the latest ACI recommendations.
4. Slabs on grade shall be placed on a layer of well graded granular material compacted to 95% of maximum dry density.
5. Detailing of reinforcement shall be according to the latest edition of ACI 315 "Details and Detailing of Concrete Structures".
6. Not all openings through concrete slabs and walls are shown on structural drawings. Openings indicated on the drawings or any additional openings or inserts required must be verified with respective trades before placement of concrete.
7. See architectural drawings for finishes, depressions, reglets, notches, and other architectural features.

INTENT OF THE STRUCTURAL DRAWINGS:

1. The intent of the structural drawings is to show the main structural features and structural design for the project. Architectural details are shown incidentally only and not completely. Therefore, architectural drawings must be used in conjunction with the structural drawings.

SHOP DRAWINGS:

1. All shop drawings submitted to the Engineer should indicate the date, revision number and issue description of the reference drawings (the structural contract drawings used to prepare the shop drawings). If shop drawings are not prepared according to the latest structural drawings, or if shop drawings are submitted without indicating reference drawings, the shop drawings will be returned without review.
2. All shop drawings shall be checked by the Subcontractor and reviewed by the General Contractor prior to submission. Shop drawings which have not been checked by the Subcontractor or reviewed by the General Contractor will be returned without review.
3. Review of shop drawings by the Engineer does not relieve the Contractor from full conformance to the contract documents.

ABBREVIATIONS OF STRUCTURAL DRAWINGS:

A.B.	Anchor Bolt	L.P.	Low Point
A.R.	Anchor Rod	LVL	Laminated Veneer Lumber
ARCH.	Architectural/Architect	MC	Moment Connection
BOF	Bottom of Footing	MIN.	Minimum
CJ	Control Joint	N.S.	Near Side
℄	Center line	O.C.	On Center
CONC.	Concrete	PL	Plate
CMU	Concrete Masonry Unit	P.T.	Pressure Treated
DIA.	Diameter	RD.	Roof Drain
DWGS.	Drawings	REINF.	Reinforced / Reinforcing
EF	Elevation	REQ'D.	Required
EL.	Each Face	RTU	Roof Top Unit
EOD	Edge of Deck	T&B	Top & Bottom
EW B.	Each Way Bottom	TOC	Top of Concrete
EXIST.	Existing	TOS	Top of Steel
FDN.	Foundation	TOW	Top of Wall
F.S.	Far Side	TYP.	Typical
FTG.	Footing	UNO.	Unless Noted Otherwise
H.P.	High Point	VERT.	Vertical
HSS	Hollow Structural Steel	V.I.F.	Verify in Field
HORZ.	Horizontal	W/	With
LAM	Parallam		
LLH	Long Leg Horizontal		
LLV	Long Leg Vertical		

Refer to project specifications for additional requirements.

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 06/17/14

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Revisions:

Scale: 1/8" = 1'-0"

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BUILDING SECTIONS

S103