DESIGN LOADS:

CONCRETE SLABS ON GRADE:

Primary Frame Wind Data:
- Exterior slabs: 24 times slab thickness, maximum; interior slabs: 36 times slab thickness, maximum; interior slabs: 48 times slab thickness, maximum, with carpeting and zinc plated in accordance with ASTM B633. Threaded anchor rod for adhesive anchors in concrete shall be ASTM A193, Grade B7, of construction until completion of the project. The Structural Engineer is not responsible for the specifications. Do not cut or damage reinforcing steel or P-T tendons.

GRAVITY LOADS:

- Ground Snow Load, Pg: 60 psf
- Flat-Roof Snow Load, Pf: 46 psf
- Snow Exposure Factor, Ce: 0.70
- Snow Load Importance Factor, I: 1.1
- Unbalanced/Drift Snow Load: As required by ASCE 7

Live Load: 100 psf (not reducible)
Hanging loads at underside of 2nd floor: 40 psf

Requests for information shall be submitted in writing and shall reference the part of the construction documents for which information is requested. Do not cut or damage reinforcing steel or P-T tendons.

The special inspectors shall be provided and shall only use approved shop drawings.

FORMATION:

The following notes shall be issued at subcontractor per sub:

- Waste removal and cleaning shall be conducted in a manner that does not affect the structural integrity of the building.
- All excavations shall be observed by a qualified geotechnical engineer to verify removal of unsuitable material and confirm the proper preparation of bearing conditions.
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MATERIAL PROPERTIES:

Reinforcing Steel (Fy):
- Ligatures and fabrication shall be required to conform to the American Iron and Steel Institute (AISI) specifications with respect to fabrication and erection.
- The special inspectors shall be provided and shall only use approved shop drawings.

Cold-formed Light Gauge Metal Framing (Fy):
- For all masonry beams use lintel blocks. Masonry beams are to bear 8" minimum at jambs. Extend vertical reinforcing through masonry beam bearing.
- Steel fabricated to the American Iron and Steel Institute (AISI) specifications with respect to fabrication and erection.
- The special inspectors shall be provided and shall only use approved shop drawings.

Structural Steel Connections:
- All M/E systems shall be supported from the primary structural frame, unless noted otherwise. Do not connect to structural steel until all reinforcing steel is placed.
- The special inspectors shall be provided and shall only use approved shop drawings.

ACI 318-05 Building Code Requirements for Reinforced Concrete

Cold-formed Light Gauge Metal Framing (Fy):
- Studs, Joists, Braces-16 ga. and heavier: 50,000 psi ASTM A653
- Studs, Joists, Braces-18 ga. and lighter: 33,000 psi ASTM A653
- Track, Channels and Accessories 33,000 psi ASTM A653

Wide Flanges 50,000 psi ASTM A992
Angles, Channels 36,000 psi ASTM A36
Grade B Rectangular HSS 46,000 psi ASTM A500 Grade B
Round HSS 42,000 psi ASTM A500 Grade B
Steel Pipe 35,000 psi ASTM A53
Plates, Bars 50,000 psi ASTM A572 or A36 as indicated

Concrete Masonry - Prism (f'm):
- See Architectural drawings for details and requirements with the architect.
- Provide reinforcement or frames for deck openings as indicated on the drawings.

Masonry beams are to be maintained at a minimum of 1" thick in all exposed areas.

Steel deck and accessories in accordance with the SDI specifications and the Steel Deck Institute's guidelines and recommendations.
- Steel deck and accessories in accordance with the SDI specifications and the Steel Deck Institute's guidelines and recommendations.

Fabricated Steel Roof Deck and accessories conform to SDI Construction Specifications.
- The special inspectors shall be provided and shall only use approved shop drawings.
- All M/E systems shall be supported from the primary structural frame, unless noted otherwise. Do not connect to structural steel until all reinforcing steel is placed.
- The special inspectors shall be provided and shall only use approved shop drawings.

FNDN PERMIT