

## GENERAL NOTES:

1. All structural components shall be designed to Part 4 of the Ontario Building Code (2006).
2. Steel components to be designed to meet CAN/CSA S16.1-94.
3. Maximum beam deflection not to exceed  $L/240$  where 'L' represents the length of the beam in inches.
4. Maximum horizontal drift due to working loads not to exceed  $H/240$  where 'H' represents top of floor.

## SEISMIC LOADS:

1. Allowance has been made for local seismic loading. Lateral side sway is prevented by the semi-rigid beam/column connection, the moment resisting capacity of base anchorage and bracing as shown.

## MATERIAL SPECIFICATIONS:

1. Hollow structural sections (H.S.S.): ASTM A500C.
2. WF Beams: CAN/CSA G40.20-04/G40.21-04, Grade 50W.
3. Misc. structural sections, plates, etc.: CAN/CSA G40.20-04/G40.21, Grade 44W.

## WELDING:

1. Welding to be according to CSA W59.

## FIRE RATING:

1. No allowance has been made for fire rating. Mezzanine platform shall be protected by a sprinkler system designed and installed by the owner, and shall conform to applicable fire and building codes.

## OWNER MAINTENANCE:

1. The owner shall visually inspect all bolted connections every (6) months to ensure bolts are tight.

## SLAB-ON-GRADE (S.O.G):

1. The owner is responsible to ensure the Conc. S.O.G and Subsurface Soil Conditions are adequate to sustain platform loads. The owner is required to take any action necessary to ensure adequacy including geotechnical investigations and the installation of footings, if required.

## GUARD RAIL:

1. The guard rail has been designed in accordance with the Ontario Building Code as follows:
  - a) Loading on handrail: A concentrated load of 225lbs applied at any point (inward or outward) per §4.1.5.15.(1).(b).
  - b) Loading on pickets: A concentrated load of 113lbs applied at any point (inward or outward) per §4.1.5.15.(2).
  - c) Openings not to exceed the limit of 200mm for industrial occupancy per §3.3.1.17.(3).
  - d) All guard rails to have a 5" kick plate per §3.3.5.8.(1).

## PERMITS:

1. All permits requires shall be the responsibility of the owner.

## PLAQUES:

1. Load capacity plaque indicating design loads shall be installed in a prominent unobstructed viewing position.