STEELE SOLUTIONS

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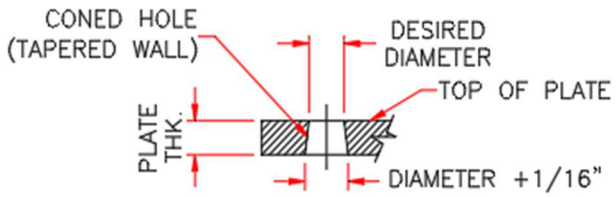
Holes: 7/16", 9/16", 13/16" and 1 1/8" Holes = ±1/16" From Design Location. *(See Fig. B-1, CH-1, CS-1, COL-1)*

- (This implies 1/8" Tolerance Between 2 holes.)
- Example: If design calls for 3 ½" ℄ - ℄ of holes:
  - Allowable will be a Minimum of 3 3/8" to Maximum 3 5/8" ℄ - ℄
- Drilled/Punched/Lasered/Plasma hole diameter by size of hole called out on drawing:
  - Standard Part Hole Tolerance: = +1/16" - 0"
  - Base Plate Hole Tolerance = See Sheet 20083-BASE PLATE TOLERANCES-1100 SERIES
  - Slight coning of holes is acceptable, follow min./max. tolerance dims., ensuring top dia. of hole is desired dia.



ACCEPTABLE SLIGHT CONING OF HOLES

C-Section Tolerance: *(See Fig. CS-1)*

- Length = +1/16", - 1/8"
- Depth = ±1/8"
- Return Flange Width = ±1/8"
- Flange Width = ±1/16"

Catwalk Side Channel Tolerance:

- Length = +1/16", - 1/8"
- Height = ±1/8", Hold 4" Main C-Shape
- 2 3/8" Flange Width = ±1/16"
- 2" Bottom Return Flange Width = +0 -1/8"

Beam & Channel Tolerance: Length= ±1/4"

(See Fig. B-1, CH-1)

Column Tubes: Length = ±1/4" *(See Fig. COL-1)*

Angles: Length = ±1/16"

Bridging Angles: = ±1/4"

Squareness: (not to exceed overall length tolerance)

- Column Tubes = End Cut to be 1/16" Out of Square Max *(See Fig. COL-2)*
- C-Sections = 1/8" Out of Square *(See Fig. CS-2)*
- Beams & Channels = 1/8" Out of Square *(See B-2,CH-2)*
- Stair Treads = 1/16" Out of Square (Max)

Bends:

- Bent Plates = ±2°
- Round Pipe = ±1°
- Tread Riser = ±1° (Full Height)

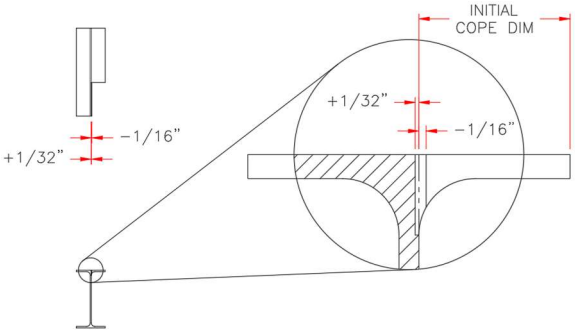
Welds:

- Fillet Weld Size +1/16" – 0"
- Length +1/2" – 0"
- Straightness on Stringer Handrail ±1/8" (For-Flushness)

Plate Dimension Tolerance: +/- 1/8"

Coped Beam Web Flatness Tolerance:

+1/32", -1/16"



Coped Beam Radius Tolerance: +1/4" -1/8"

Welded Assemblies: (Verify application, size, and B.O.M. components, and determine per situation. Use tolerances described within this document as required for individual B.O.M. items of assemblies.

Layout Marking: ±1/8"
(hole location tolerance supersedes layout marking)