

OneRound Markup Set

05 50 00 Metal Fabrications | Metal Fabrications Shop Drawings 05 50 00-01 | Rev 0

Fix first: 4 blockers would likely draw a Revise and Resubmit

The lintel finish and bollard pipe schedule don't match the spec, the roof ladder is missing its sealed delegated-design calcs, and two required product data sheets are missing. Several 'by others' notes also push scope back that the spec assigns to this section.

Your roadmap: work top to bottom. Every numbered cloud in this set matches a line below.

1	Blocker	p.3, Sheet D1	Lintels L1-L6 shown as shop primed only (shown but wrong). -> Please change the lintel finish to hot-dip galvanized per ASTM A123, since these sit in exterior walls. (2.5.A)
2	Blocker	p.4, Sheet D2	Bollard pipe shown as Schedule 40 (shown but wrong). -> Please revise bollards to ASTM A53 Gr B Schedule 80 pipe. (2.2.B)
3	Blocker	p.5, Sheet D3	Roof ladder delegated-design calculations are missing. -> Please include the ladder calculations signed and sealed by a PE licensed in the project's state. (1.3.C, 2.1.A)
4	Blocker	Product data	Shop primer and galvanizing repair paint product data are missing. -> Please add product data for the shop primer and the ASTM A780 galvanizing repair paint. (1.3.A)
5	Fix	p.2, Sheet E1, Note 4	'All dimensions field verify' is used in place of contract document dimensions. -> Please remove the blanket field-verify note and dimension from the contract documents; call out any specific conflicts separately. (Core rule 3)
6	Fix	p.2, Sheet E1, Note 6	Overhead door embeds and anchor bolts marked 'furnished and installed by others' (scope gap). -> The spec has this section furnishing these items for the concrete trade to install. Please show them as furnished by Acme. (2.6.A)
7	Fix	p.4, Sheet D2	Bollard concrete fill marked 'by others' (scope gap). -> The spec includes concrete fill and crowned tops in this section. Please update the note. (3.1.A)
8	Fix	p.6, Sheet D4	Field touch-up marked 'by others' (scope gap). -> Field touch-up of primer and galvanizing is part of this section. Please update the note. (3.1.B)
9	Fix	Package	Welding certificates are missing. -> Please include current welding certificates with the package. (1.4.A)
10	Fix	p.3-6	Anchorage details for lintels, bollards and ladder are not shown. -> Please add anchorage/embedment details for each item. (1.3.B)

Pre-submission quality check prepared by OneRound for the submitting trade. Not an approval, engineering review, or substitute for review by the Architect/Engineer of record. Original upload deleted after review.

FICTIONAL TEST SUBMITTAL — ACME MISC METALS (OneRound test case 01)

9 Submittal: 05 50 00-01 Metal Fabrications Shop Drawings, Rev 0

4 Contents: Sheet E1 Erection Plan; Sheet D1 Lintels; Sheet D2 Bollards; Sheet D3 Roof Ladder; Sheet D4 Overhead Door Supports.

Product data: Hilti KB-TZ2 stainless expansion anchor (ESR attached); Sika Grout 212.

Sheet E1 Erection Plan

5 Locates lintels L1-L6 at exterior wall openings, bollards B1-B8 at loading dock, roof ladder RL-1, overhead door frames OD-1/OD-2.

6 General Note 4: All dimensions field verify prior to fabrication.

General Note 6: Embed plates and anchor bolts at overhead doors furnished and installed by others.

1

Sheet D1 Lintels

L1-L6: L6x4x3/8 ASTM A36, bearing 8" each end. Finish: shop primed, gray.

10

10. Fix: see note

2

7

Sheet D2 Bollards

B1-B8: 6" dia. pipe ASTM A53 Gr B Sch 40, 4'-0" exposed. Concrete fill by others. Finish: hot-dip galvanized ASTM A123.

3

Sheet D3 Roof Ladder

RL-1: 3/4" dia. rungs at 12" o.c., HSS side rails ASTM A500 Gr C. Finish: hot-dip galvanized. Design by fabricator. (No calculations included.)

ACME MISC METALS (FICTIONAL)

Sheet 5 of 6

Sheet D4 Overhead Door Supports

OD-1/OD-2 jamb and header framing, HSS ASTM A500 Gr C, interior. Finish: shop primed. Connection to embed plates (by others) with 3/16" fillet weld.

8

Field touch-up by others.

ACME MISC METALS (FICTIONAL)

Sheet 6 of 6