SPECIFICATION COMPLIANCE MARKUP

05 50 00 METAL FABRICATIONS

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

Every paragraph of the specification section is marked in the margin with the code below. Highlighted paragraphs carry a note as a PDF comment (visible in the Bluebeam Markups List or Acrobat Comments).

C	**Complies**	5 paragraphs
D	**Deviation**	5 paragraphs
NIC	**Not in contract**	1 paragraph
N/A	**Not applicable**	0 paragraphs
?	**Conflict, please clarify**	0 paragraphs
ADD	**Missing: add before sending**	6 paragraphs
CHK	**Couldn't check from the documents provided**	0 paragraphs

Before you send: add every ADD item, resolve each D by revising or declaring the deviation with its reason, and send any ? to the A/E as a question. Run your re-check and the codes update.

PARAGRAPH	CODE	NOTE
1.1.A	C	Lintels, bollards, roof ladder and door supports all submitted.
1.1.B	NIC	Anchor bolts and embeds installed under 03 30 00; furnished by this Section per 2.6.A.
1.3.A	ADD	Anchor and grout data included (p.1). Add shop primer and A780 repair paint data.
1.3.B	ADD	Plans and details shown; add anchorage details for lintels, bollards and ladder.
1.3.C	ADD	Add ladder calcs signed and sealed by a PE licensed in the project's state.
1.4.A	ADD	Add current welding certificates.
2.1.A	ADD	Ladder design by fabricator; sealed calcs required (see 1.3.C).
2.2.A	C	Lintels L6x4x3/8, ASTM A36.
2.2.B	D	Schedule 40 shown. Revise to Sch 80, or declare the deviation with the reason.
2.2.C	C	Ladder rails and door framing HSS ASTM A500 Gr C.
2.3.A	C	Hilti KB-TZ2 stainless with ICC-ES report.
2.5.A	D	Bollards and ladder galvanized; lintels shown shop primed. Revise lintels to HDG.
2.5.B	C	Overhead door supports shop primed.
2.5.C	ADD	Add ASTM A780 galvanizing repair product data.
2.6.A	D	Shops say 'by others'. Show embeds and anchor bolts as furnished by this Section.
3.1.A	D	Shops say concrete fill 'by others'. Show fill and crowned tops in this scope.
3.1.B	D	Shops say touch-up 'by others'. Show field touch-up in this scope.

SAMPLE PROJECT — FICTIONAL TEST DOCUMENT (OneRound test case 01)

SECTION 05 50 00 — METAL FABRICATIONS

PART 1 - GENERAL

1.1 SUMMARY

C A. Section includes: loose steel lintels; steel pipe bollards; exterior roof access ladder; miscellaneous framing and supports for overhead doors.

NIC B. Related sections: Section 03 30 00 "Cast-in-Place Concrete" for installing anchor bolts and embedded items furnished under this Section.

1.3 ACTION SUBMITTALS

ADD A. Product Data: For post-installed anchors, nonshrink grout, shop primer, and galvanizing repair paint.

ADD B. Shop Drawings: Show fabrication and installation details. Include plans, elevations, sections, details of connections, anchorage, and weld symbols.

ADD C. Delegated-Design Submittal: For the roof access ladder, include structural analysis data signed and sealed by the qualified professional engineer licensed in the state where the Project is located.

1.4 INFORMATIONAL SUBMITTALS

ADD A. Welding certificates.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

ADD A. Delegated Design: Engage a qualified professional engineer to design the roof access ladder.

2.2 METALS

C A. Steel Plates, Shapes, and Bars: ASTM A36.

D B. Steel Pipe (bollards): ASTM A53, Grade B, Schedule 80.

C C. Steel Tubing: ASTM A500, Grade C.

2.3 FASTENERS

C A. Post-Installed Anchors: Stainless steel torque-controlled expansion anchors with ICC-ES evaluation report.

2.5 FINISHES

D A. Exterior items and items in exterior walls (including lintels in exterior walls, bollards, and the roof access ladder): hot-dip galvanize after fabrication per ASTM A123.

C B. Interior items: shop prime with universal shop primer.

ADD C. Galvanizing repair: ASTM A780.

2.6 MISCELLANEOUS FRAMING AND SUPPORTS

D A. Furnish anchor bolts and embedded plates for overhead door supports to Section 03 30 00 for installation.

PART 3 - EXECUTION

3.1 INSTALLATION

D A. Bollards: Fill with concrete and crown top.

D B. Field touch-up of shop primer and galvanizing is part of this Section.

END OF SECTION