SECTION 05 1223
STRUCTURAL STEEL FOR BUILDINGS

PART 1 - GENERAL

1.1 SUMMARY

A. Products Supplied But Not Installed Under This Section:
1. Miscellaneous structural steel.
2. Lintels.
4. Structural pipe for satellite dish base.
5. Frames for under-Platform doors.

B. Related Sections:
1. Section 03 3053: Installation of bollards and satellite dish base.
2. Sections under 04 2000 heading: Installation of lintels, channel frames, and miscellaneous structural steel.
3. Section 05 0503: Quality of priming.
4. Section 05 0523: Quality of welding.
5. Section 06 1100: Installation of miscellaneous structural steel.

1.2 REFERENCES

A. American Society For Testing And Materials:
1. ASTM A 36-03a, 'Standard Specification for Carbon Structural Steel.'
2. ASTM A 53-02, 'Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.'
3. ASTM A 500-03, 'Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes.'

PART 2 - PRODUCTS

2.1 MATERIALS

A. Lintels, Glue-Laminated Structural Unit Connections, Under-Platform Door Frames, Channel Frames, And Miscellaneous Structural Steel: Meet requirements of ASTM A 36.

B. Structural Pipe.
1. Meet requirements of ASTM A 53, Type E or S, Grade B.
   a. Weight Class, STD, Schedule 40.
   b. Weight Class, XS, Schedule 80.
   c. Weight Class, DXS.

C. Structural Tubing: Meet requirements of ASTM A 500, Grade B.

D. Shop Primer:
1. Concealed Steel: Fabricator's standard shop coat.
2. Exposed Steel To Receive Finish: Primer shall be acceptable to Finish Manufacturer.
2.2 FABRICATION

A. After fabrication and before shop priming, hot-dip or mechanically galvanize lintels to be installed in exterior walls, bollards, satellite dish, and channel frames.

B. Shop prime steel provided under this Section.

PART 3 - EXECUTION: Not Used

END OF SECTION