

Part 1 – GENERAL

1.01 SUMMARY

- A. Furnish Expansion Joint System in accordance with the drawings and general provisions of the Contract.

1.02 WORK INCLUDED

- A. Furnish complete Prospec Specialties Expansion Joint Systems.

1.03 RELATED WORK

- A. Related work which is specified elsewhere.
 - 1. Cast-in-Place Concrete: Section 03300.
 - 2. Unit Masonry: Section 04810.

1.04 REFERENCES

- A. Publications listed herein are part of this specification to the extent referenced. The criteria established in the specifications shall take precedence over the standards referenced herein. (An example of a reference standard is given below.)
 - 1. American Society for Testing and Materials (ASTM):
 - a. ASTM B 221, Standard Specifications for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes.

1.05 DEFINITIONS

- A. Define industry and product terms as necessary.

1.06 SYSTEM DESCRIPTION

- A. Joint systems shall permit limited movement of joint without disengagement.
 - 1. Sightline/Sight width: 8mm - 10mm.
 - 2. Variable Heights: 8mm, 11mm, 16mm, 21mm, 26mm, 31mm, 30mm, 40mm, 50mm to 130mm.

1.07 QUALITY ASSURANCE

- A. Manufacturer: Furnish assemblies from single manufacturer.
- B. Installer: Firm with not less than three (3) years of successful experience in the installation of systems similar to those required by this project and acceptable to the manufacturer of the system.

1.08 SUBMITTALS

- A. Manufacturer's specifications, technical data, installation instructions, and detail drawings for each system.
- B. Certificates or other documentation confirming UL approved compliance with fire resistance rating of fire barrier assemblies.
- C. 1' long sample of specified systems where required.

1.09 DELIVERY AND STORAGE

- A. Provide temporary protective covers on [anodized aluminum] [stainless steel] [brass] finished surfaces.
- B. Deliver joint systems to jobsite in new, clean, unopened cartons or crates of sufficient size and strength to protect materials during transit.
- C. Store components in original containers in a clean, dry location.

1.10 SEQUENCING

- A. Submittals shall be completed and submitted within a reasonable amount of time after award of subcontract.
- B. Subcontract for the work of this section shall be planned to allow sufficient time for manufacturer's production and delivery scheduling.

1.11 WARRANTY

- A. Standard Prospec Specialist Inc. limited warranty against material and manufacturing defects for a period of not less than three (3) years when installed in accordance with manufacturer's recommendations.

PART 2 – PRODUCTS

2.01 MANUFACTURER

- A. Prospec Specialties Inc.
100-1075 North Service Rd. W,
Oakville On L6M2G2, Canada
- B. Substitutions: Not permitted.
- C. Request for substitutions will be considered in accordance with provisions of section 01600.

2.02 MATERIALS

- A. Aluminum: ASTM B 221, alloy 6063-T6.
- B. Stainless Steel: SS316 or SS304.
- C. Brass: CZ108
- D. Silicone Seal: Santoprene / Neoprene or equal. Colors to be selected from manufacturer's standard range of Black, Grey, Beige, Off-White and Bright White. Custom colors available.

2.03 INTERIOR JOINT SYSTEMS FOR FLOORS

- A. Field Limitation Joint Systems: Prospec Specialties 'XA/XC/XD/XE/XY' Series Aluminum/Brass/Stainless Steel side profiles with integrated seal.
 - 1. Floor Systems
 - a. Recessed mounted perforated footplates aluminum angle profile (floor/floor) – XAA
Recessed mounted perforated footplates brass angle profile (floor/floor) – XAB
Recessed mounted perforated footplates stainless steel angle profile (floor/floor) – XAS
 - b. Recessed mounted aluminum plates with integrated seal (floor/floor) – XCA
Recessed mounted brass plates with integrated seal (floor/floor) – XCB
Recessed mounted stainless steel plates with integrated seal (floor/floor) – XCS
 - c. Recessed mounted aluminum plates with hooks and integrated seal (floor/floor) – XDA
Recessed mounted brass plates with hooks and integrated seal (floor/floor) – XDB
Recessed mounted stainless steel plates with hooks and integrated seal (floor/floor) – XDS
 - d. Recessed mounted aluminum plates with integrated seal (floor/floor) – XEA
Recessed mounted brass plates with integrated seal (floor/floor) – XEB
Recessed mounted stainless steel plates with integrated seal (floor/floor) – XES
 - e. Recessed mounted aluminum plates with integrated seal (floor/floor) – XYA
Recessed mounted brass plates with integrated seal (floor/floor) – XYB
Recessed mounted stainless steel plates with integrated seal (floor/floor) – XYS

2.04 FINISHES

- A. Aluminum : Mill Finish
- B. Brass : Mill Finish
- C. Stainless Steel : Mill Finish

PART 3 – EXECUTION

3.01

- A. Verify that dimensions are in conformance with manufacturer's submittal data.

3.02 INSTALLATION

- A. Joint Systems: Install in accordance with manufacturer's instructions. Align work plumb, level and flush with adjacent surfaces.

3.03 PROTECTION AND CLEANING

- A. Protect installation from damage by work of others. At completion of the installation, clean exposed surfaces with non-solvent cleaner.

END OF SECTION