



Suggested Specifications | Section 09 5423

CS Linear Ceiling and Wall System

[Specifier Note: The purpose of this guide specification is to assist the Specifier in correctly specifying the Linear Ceiling and Wall System using the Construction Specialties STYX™ system.

The Specifier must edit this guide to fit the needs of each specific project. References have been made within the text of the specification to MasterFormat section numbers and titles. The Specifier must coordinate these numbers and titles with sections included for the specific project.

Throughout the guide specification, there are Specifier Notes to assist in the editing of the file. Brackets have been used to indicate when a selection is required. Contact a Construction Specialties sales representative for further assistance with appropriate product selections.]

PART 1 - GENERAL

- A. The General Conditions and the requirements of Division 1 of the specifications shall apply to all work hereunder.
- B. All work shall be completed in accordance with the manufacturer's instructions, and in a satisfactory manner to the owner's representative.

1.01 SCOPE

- A. Linear Ceiling and Wall system, support system, perimeter trim and designated accessories necessary to complete installation shall be furnished by the contractor in compliance with plans and specifications.

1.02 RELATED WORK NOT INCLUDED UNDER THIS SECTION

- A. Suspension systems and components for Ceiling and Walls, other than manufacturer's linear Ceiling and Wall systems, are not included.

1.03 REFERENCE STANDARDS

- A. ASTM B209/B209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2021a.
- B. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2023.
- C. ASTM E580/E580M - Standard Practice for Installation of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Subject to Earthquake Ground Motions; 2022.

1.04 QUALITY ASSURANCE

- A. **Installer Qualifications:** The installer must be a firm with a minimum of two (2) years of successful experience, acceptable to the architect, manufacturer, and owner's representative, in installation of suspended linear Ceiling and Walls of similar requirements to this project.
- B. **Fire Performance Characteristics:** Provide linear metal Ceiling and Wall system components that shall conform to Class 1, or A flame spread rating, when tested according to ASTM E-84.

1.05 PROJECT CONDITIONS

- A. Installation shall be done only when the temperature and humidity closely approximate the interior conditions that will exist when the building is occupied. The heating and cooling systems shall be operating before, during, and after installation, with the humidity of the interior spaces maintained between 25% and 55%, temperature between 60 to 90 degrees F.
- B. Plenums shall have proper ventilation, especially in high moisture areas. There shall be no excessive build up of heat in the ceiling areas.
- C. Prior to the start of installation, all exterior windows and doors are to be in place, glazed, and weather-stripped. The roof is to be watertight, and all wet trades' work is to be completed, and thoroughly dry.
- D. Mechanical and other utility service installations above the ceiling plane shall have been completed. No materials should rest against, or wrap around, the ceiling suspension components or connecting hangers.

1.06 COORDINATION OF WORK

- A. Layout and installation of the linear ceiling & wall shall be coordinated with other work penetrating through the ceiling & wall. This includes wiring for light fixtures, HVAC equipment, and fire suppression system components.

1.07 SUBMITTALS

- A. **Product Data:** Manufacturer shall provide product specifications and installation instructions for all supplied Ceiling and Wall materials.
- B. **Shop Drawings:** For custom engineered systems, provide shop drawings showing the placement of hangers, the location of installation rail, extrusion profiles, corner profiles, and other details deemed pertinent to proper installation.
- C. **Samples:** When required, provide three 12-inch-long samples for approval. The sample shall be made with the selected finish applied; with perimeter molding, attachment components, and all accessories required for installation, including LED lighting where required.

1.08 DELIVERY, STORAGE, AND HANDLING

- A. All materials shall be delivered to the project site in the original, labeled, unopened packages.
- B. Materials shall be stored flat and level in a fully enclosed space. Linear metal profiles shall be stored off the floor.
- C. Care in handling must be exercised to avoid damage.

1.09 WARRANTIES

- A. Manufacturer: All materials supplied by the Ceiling and Wall manufacturer shall be guaranteed against manufacturing defects for two (2) years.
- B. Contractor: All work shall be guaranteed for one (1) year from final acceptance of completed work.

PART 2 - PRODUCTS**2.01 LINEAR CEILING AND WALL SYSTEM**

- A. Linear Ceiling and Wall System and all components shall be the STYX™ system manufactured by Construction Specialties, composed of extruded aluminum profiles with prefabricated corners and mitered corners.
- B. Standard factory finish shall be an AAMA 2604 compliant powder coating available in Wood Grain and Solid Powder Coating options.
- C. Integrated LED light tubes by QTL available in options including a light diffuser lens, a blank off cover, front lit or back lit.
- D. Installation shall use Construction Specialties patented Quick Lock™ system.

2.02 FINISHES AND COLORS

- A. All linear Ceiling and Wall components shall be factory-finished with color treatments as selected by the Architect from manufacturer's standard range of options.

PART 3 - EXECUTION**3.01 PREPARATION**

- A. Ceiling and Wall Layout: Prior to installation, the contractor shall measure Ceiling and Wall areas and establish the layout in accordance with installation instructions.
- B. Coordination: The contractor shall furnish the layout for supports that shall be installed for attachment and suspension of ceilings.

3.02 INSTALLATION

- A. General: The contractor shall install materials in accordance with manufacturer printed instructions and comply with applicable regulations and industry standards.
- B. Perimeters: Using a leveling device, the contractor shall lay out and install perimeter components and trim as specified.

3.03 ADJUSTMENT, CLEANING, and REPAIR

- A. Contractor shall make final adjustments to level or contours.
- B. Upon completion of Ceiling and Wall installation, all linear Ceiling and Wall system components shall be cleaned free of dirt, dust, grease, oils, and fingerprints.
- C. All work that cannot be successfully cleaned or repaired shall be removed and replaced.

3.04 INSPECTION

- A. Upon completion of Ceiling and Wall installation, the Architect shall inspect all finished surfaces to ensure that the work has been completed in a manner satisfactory to the owner. Any deficiencies in the installed Ceiling and Wall shall be corrected by the contractor at no additional cost to the Owner.

END OF SECTION