

SECTION 07 41 13

CSI-LG-BSP™

LIGHT GAUGE BATTEN SNAP PANEL ROOFING SYSTEM

Manufacturer Specification

CSI Architectural Metal LLC

PART 1 - GENERAL

1.01 SUMMARY

Provide a complete CSI-LG-BSP™ Light Gauge Batten Snap Panel Roofing System including factory roll-formed batten snap roof panels, snap-on batten caps, concealed clips, curved and tapered panels, flashings, trim, closures, fasteners and related accessories required for a complete installation.

Related Sections:

06 10 00 Rough Carpentry
07 21 00 Thermal Insulation
07 25 00 Weather Barriers
07 27 00 Air Barriers
07 60 00 Flashing and Sheet Metal
07 92 00 Joint Sealants

Work Not Included:

Structural framing, roof deck, sheathing, waterproofing, underlayment, air/vapor barriers, drainage, lightning protection, snow retention and rooftop equipment unless specifically included.

1.02 REFERENCES

ASTM, AAMA, ASCE 7, International Building Code, SMACNA Architectural Sheet Metal Manual and Aluminum Design Manual.

1.03 PERFORMANCE REQUIREMENTS

Provide a concealed-fastened batten roofing system designed to resist project wind, dead, live, snow and seismic loads while allowing unrestricted thermal movement. Attachment spacing shall be determined by project-specific engineering.

1.04 SUBMITTALS

Product Data, Shop Drawings, Radius Layouts, Curved Panel Layouts, Engineering Calculations where required, Samples, Flashing Details, Installation Instructions and Warranty Documents.

1.05 QUALITY ASSURANCE

Manufacturer and installer shall demonstrate experience with architectural curved roofing systems. Provide mock-up when required.

1.06 DELIVERY, STORAGE AND HANDLING

Protect finishes and prevent distortion of curved panels during shipping and storage.

1.07 WARRANTY

Provide Material, Finish, Fabrication and Installer Workmanship Warranties where applicable.

PART 2 – PRODUCTS

2.01 MANUFACTURER

CSI Architectural Metal LLC
Odessa, Florida

Product:
CSI-LG-BSP™
Light Gauge Batten Snap Panel Roofing System

2.02 SYSTEM DESCRIPTION

Factory roll-formed architectural batten snap roofing system utilizing concealed attachment clips and snap-on batten caps. Designed specifically for curved and radiused architectural applications including domes, barrel vault roofs, conical roofs, tapered roofs, canopies and free-form roof geometry. Installed over continuous solid substrate.

2.03 MATERIALS

Available in Aluminum, Stainless Steel, Copper, Titanium Zinc, Galvalume Steel and Galvanized Steel.

2.04 PANEL DIMENSIONS

Typical widths:

12 in.

16 in.

18 in.

20 in.

Custom widths available.

Typical batten heights:

1 in.

1-1/2 in.

2 in.

Factory-curved and tapered panels available.

2.05 ATTACHMENT

Provide concealed fixed and sliding clips. Snap-on batten caps shall securely engage panel legs while allowing thermal movement.

2.06 ACCESSORIES

Starter strips, batten caps, ridge assemblies, hip flashings, valleys, eave trim, rake trim, counter flashings, penetration flashings, expansion joints, closures, fasteners, sealants within CSI scope and miscellaneous fabricated sheet metal.

2.07 FINISHES

PVDF AAMA 2605, anodized, mill finish, stainless steel, copper, titanium zinc, custom RAL colors, metallic and matte finishes.

2.08 FABRICATION

Precision roll-formed components. Factory-curved and tapered fabrication where required. Maintain consistent geometry, smooth radiused bends and uniform batten engagement.

2.09 QUALITY CONTROL

Inspect material, dimensions, radius accuracy, finish, fabrication, packaging and shipping.

PART 3 - EXECUTION

3.01 EXAMINATION

Verify substrate, framing geometry and radius dimensions prior to installation.

3.02 INSTALLATION

Install in accordance with approved Shop Drawings and manufacturer's instructions. Install concealed clips at engineered spacing. Install snap-on battens after panels. Maintain smooth curved transitions and allow thermal movement.

3.03 FLASHINGS

Install flashings true to line with continuous weather-tight transitions.

3.04 FIELD QUALITY CONTROL

Verify panel alignment, batten engagement, radius conformity, attachment and flashing installation.

3.05 CLEANING

Remove protective film, clean finished surfaces and protect completed work.

3.06 WARRANTY CLOSEOUT

Submit warranties, maintenance recommendations, cleaning instructions and record drawings where required.

END OF SECTION 07 41 13