

SECTION 06139

TIMBER CONSTRUCTION

PART GENERAL

SECTION INCLUDES

Engineered Structures, including:
Commercial buildings.
Industrial buildings.
Residential buildings.

Landscape structures, including:
Bridges.
Arbors.
Pergolas.
Gazebos.
Field houses.

RELATED SECTIONS

Section 06100 - Rough Carpentry.

Section 06151 - Cedar Decking.

Section 06221 - Wood Trim.

Section _____ - _____.

REFERENCES

NLGA/WCLIB - National Lumber Grading Association/West
Coast Lumber Inspection Bureau "Grading Standards."

DELIVERY, STORAGE, AND HANDLING

Inspect the materials upon delivery to assure that
specified products have been received.

Store materials in safe area, away from construction

traffic; store under cover and off ground, protected from moisture.

Keep materials clearly separated and identified with grade marks legible. Keep damaged material identified as damaged and stored separately.

PART PRODUCTS

MANUFACTURERS

Acceptable Manufacturer: Member of the Western Red Cedar Lumber Association (WRCLA). ASD.

Requests for substitutions will be considered in accordance with provisions of Section 01600.

Substitutions: Not permitted.

Provide all western red cedar from a single supplier.

MATERIALS

Western Red Cedar: WRCLA Western Red Cedar.

Grade: No. 2 and Better Clear.

Grade: C and Better Clear.

Grade: D and Better Clear.

Grade: Appearance Knotty.

Grade: Appearance Knotty, structural.

Grade: No. 2 and Better Structural.

Grade: Standard Beams, Posts, and Timbers.

Classification: Light Framing.

Classification: Structural Joists and Planks.

Classification: Beams and Stringers.

Classification: Posts and Timbers.

Surface Texture: Saw Textured.

Surface Texture: Rougher Headed.

Surface Texture: Surfaced Four Sides (S4S).

Moisture Content: Green (unseasoned).

Moisture Content: Air-dried.

Moisture Content: Kiln-dried, 2 inch (50 mm) thickness only.

Fasteners:

Nails: Hot-dipped galvanized.

Nails: Aluminum.

Nails: No. 304 stainless steel.

Nails: No. 316 stainless steel.

Timber Connectors: _____.

PART EXECUTION

PREPARATION

Coordinate work with related trades; scribe and cope timbers for accurate fit. Allow installation of related work to avoid cutting and patching.

Select timbers of longest possible lengths. Ensure that knots and obvious defects will not interfere with placing fasteners or making proper connections. Cut out and discard defects that render a piece unfit to serve its intended function.

Discard timbers that are warped, twisted, bowed, crooked, or otherwise defective.

INSTALLATION

Install timbers square, plumb, and level, closely fitted and securely fastened.

Nail pieces to provide penetration of not less than half nail length into piece receiving nails. However, 16d nails may be used to connect two pieces of nominal 2-inch (50 mm) timbers. Nail without splitting timbers.

FIELD QUALITY CONTROL

Timber construction may be rejected, whether or not installed, for excessive warp, twist, bow, or crook, as well as for improper cutting or fitting.

ADJUSTING AND CLEANING

As work proceeds, maintain premises free of unnecessary accumulation of tools, equipment, surplus materials, and debris related to this work.

END OF SECTION