

SECTION 07462

CEDAR SIDING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Bevel siding.
- B. Pattern siding.
- C. Board-and-batten siding.

1.2 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry.
- B. Section 06221 - Wood Trim.
- C. Section \_\_\_\_\_ - \_\_\_\_\_.

1.3 REFERENCES

- A. NLGA - National Lumber Grades Authority "Grading Standards."
- B. WCLIB - West Coast Lumber Inspection Bureau "Grading Standards."
- C. WWPA - Western Wood Products Association "Grading Rules."
- D. \_\_\_\_\_.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's descriptive literature for siding products, sizes, patterns, and grades.
- C. Selection Samples: Two sets representing manufacturer's full range of available sizes, patterns, and grades.
- D. Verification Samples: Two samples, minimum 12 inches long, representing actual pattern and grade of siding to be installed.
- E. Quality Assurance Submittals:
  - 1. Certificates: Evidence of compliance of products to specified requirements.

2. Manufacturer's Installation Instructions: Detailed printed instructions for installation of cedar siding.

F. Closeout Submittals: Printed instructions for maintaining cedar siding.

#### 1.5 QUALITY ASSURANCE

A. Mock-ups: Supply cedar siding products for mock-ups specified in sections referenced in INSTALLATION Article of this section.

#### 1.6 DELIVERY, STORAGE, AND HANDLING

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

B. Store materials in safe area, away from construction traffic; store under cover and off ground, protected from moisture.

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

### PART 2 PRODUCTS

#### 2.1 MANUFACTURERS

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

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

C. Substitutions: Not permitted.

D. Provide all cedar siding from a single supplier.

#### 2.2 CLEAR BEVEL SIDING

A. Kiln-Dried Cedar Siding: Western Red Cedar graded to meet NLGA "Grading Standards," paragraph 201, and WCLIB "Grading Standards," paragraph 106.

1. Grade: Clear V.G. Heart.

a. Solid wood (finger-joined pieces not allowed).

b. Solid wood or finger-joined.

2. Grade: A Clear.
  - a. Solid wood (finger-joined pieces not allowed).
  - b. Solid wood or finger-joined.
3. Grade: B Clear.
4. Grade: Rustic Bevel Siding.
  - a. Solid wood (finger-joined pieces not allowed).
  - b. Solid wood or finger-joined.

### 2.3 SPECIALTY KNOTTY BEVEL SIDING

#### A. Specialty Knotty Bevel Cedar Siding:

1. Grade: Architect Knotty(R).
  - a. Pattern: Plain Bevel.
  - b. Pattern: Rabbetted Bevel.
  - c. Pattern: Wavy Edge Bevel.
  - d. Texture: Smooth.
  - e. Texture: Saw-Textured.

### 2.4 KNOTTY BEVEL SIDING

#### A. Knotty Bevel Cedar Siding: Western Red Cedar graded to meet NLGA "Grading Standards," paragraph 205, and WCLIB "Grading Standards," paragraph 111.

1. Grade: Select Knotty.
  - a. Pattern: Plain Bevel.
  - b. Pattern: Rabbetted Bevel.
  - c. Pattern: Wavy Edge Bevel.
  - d. Texture: Smooth.
  - e. Texture: Saw-Textured.
  - f. Moisture Content: Kiln-dried.
  - g. Moisture Content: Unseasoned.
2. Grade: Quality Knotty.
  - a. Pattern: Plain Bevel.
  - b. Pattern: Rabbetted Bevel.
  - c. Pattern: Wavy Edge Bevel.
  - d. Texture: Smooth.
  - e. Texture: Saw-Textured.
  - f. Moisture Content: Kiln-dried.
  - g. Moisture Content: Unseasoned.

### 2.5 CLEAR TONGUE-AND-GROOVE PATTERN SIDING

#### A. Clear Tongue-and-Groove Pattern Cedar Siding: Western Red Cedar graded to meet NLGA "Grading Standards," paragraph 200, and WCLIB "Grading Standards," paragraph 102.

1. Grade: Clear Heart.
  - a. Pattern: V-grooved two sides (EV2S)WRCLA2.
  - b. Pattern: V-grooved one sides (EV1S)WRCLA1.

- c. Pattern: Center matched tongue-and-groove.
  - d. Pattern: WP-6.
  - e. Pattern: 102.
  - f. Pattern: 106.
  - g. Texture: Smooth faced.
  - h. Texture: Rough.
  - i. Moisture Content: Kiln-dried.
  - j. Moisture Content: Unseasoned.
- 2. Grade: A Clear.
  - 3. Grade: A Clear and Better.
  - 4. Grade: A Clear and Better with a percentage of B Clear allowed.
    - a. B Clear allowed: \_\_\_\_\_ percent.
    - b. Pattern: V-grooved two sides (EV2S)WRCLA2.
    - c. Pattern: V-grooved one sides (EV1S)WRCLA1.
    - d. Pattern: Center matched tongue-and-groove.
    - e. Pattern: WP-6.
    - f. Pattern: 102.
    - g. Pattern: 106.
    - h. Texture: Smooth faced.
    - i. Texture: Rough.
    - j. Moisture Content: Kiln-dried.
    - k. Moisture Content: Unseasoned.
  - 5. Grade: B Clear.
    - a. Pattern: V-grooved two sides (EV2S)WRCLA2.
    - b. Pattern: V-grooved one sides (EV1S)WRCLA1.
    - c. Pattern: Center matched tongue-and-groove.
    - d. Pattern: WP-6.
    - e. Pattern: 102.
    - f. Pattern: 106.
    - g. Texture: Smooth faced.
    - h. Texture: Rough.
    - i. Moisture Content: Kiln-dried.
    - j. Moisture Content: Unseasoned.

## 2.6 KNOTTY TONGUE-AND-GROOVE PATTERN SIDING

- A. Knotty Tongue-and-Groove Pattern Cedar Siding: Western Red Cedar graded to meet NLGA "Grading Standards," paragraph 204, and WCLIB "Grading Standards," paragraph 111.
  - 1. Grade: Select Knotty.
    - a. Pattern: V-grooved two sides (EV2S)WRCLA2.
    - b. Pattern: V-grooved one sides (EV1S)WRCLA1.
    - c. Pattern: Center matched tongue-and-groove.
    - d. Pattern: WP-6.
    - e. Pattern: 102.

- f. Pattern: 106.
  - g. Texture: Smooth faced.
  - h. Texture: Rough.
  - i. Moisture Content: Kiln-dried.
  - j. Moisture Content: Unseasoned.
2. Grade: Quality Knotty.
- a. Pattern: V-grooved two sides (EV2S)WRCLA2.
  - b. Pattern: V-grooved one sides (EV1S)WRCLA1.
  - c. Pattern: Center matched tongue-and-groove.
  - d. Pattern: WP-6.
  - e. Pattern: 102.
  - f. Pattern: 106.
  - g. Texture: Smooth faced.
  - h. Texture: Rough.
  - i. Moisture Content: Kiln-dried.
  - j. Moisture Content: Unseasoned.

B. Standard Knotty Tongue-and-Groove Pattern Cedar Siding: Western Red Cedar graded to meet NLGA "Grading Standards," paragraph 114a, b, and c, and WCLIB "Grading Standards," paragraph 118-a, b, and c.

1. Grade: Standard and Better.
- a. Pattern: V-grooved two sides (EV2S)WRCLA2.
  - b. Pattern: V-grooved one sides (EV1S)WRCLA1.
  - c. Pattern: Center matched tongue-and-groove.
  - d. Pattern: WP-6.
  - e. Pattern: 102.
  - f. Pattern: 106.
  - g. Texture: Smooth faced.
  - h. Texture: Rough.
  - i. Moisture Content: Kiln-dried.
  - j. Moisture Content: Unseasoned.

C. Proprietary Knotty Tongue-and-Groove Pattern Cedar Siding:

1. Grade: \_\_\_\_\_.
- a. Pattern: \_\_\_\_\_.
  - b. Texture: \_\_\_\_\_.
  - c. Moisture Content: \_\_\_\_\_.
  - d. Finish: \_\_\_\_\_.

## 2.7 CLEAR LAP PATTERN SIDING

A. Clear Lap Pattern Cedar Siding: Western Red Cedar graded to meet NLGA "Grading Standards," paragraph 200, and WCLIB "Grading Standards," paragraph 102.

1. Grade: Clear Heart.

- a. Pattern: Channel Siding.
  - b. Pattern: WP-11.
  - c. Pattern: 101.
  - d. Pattern: 105.
  - e. Pattern: Log Cabin.
  - f. Texture: Smooth faced.
  - g. Texture: Saw textured.
  - h. Moisture Content: Kiln-dried.
  - i. Moisture Content: Green (unseasoned).
2. Grade: A Clear.
3. Grade: A Clear and Better.
4. Grade: A Clear and Better with a percentage of B Clear allowed.
- a. B Clear allowed: \_\_\_\_\_ percent.
  - b. Pattern: Channel Siding.
  - c. Pattern: WP-11.
  - d. Pattern: 101.
  - e. Pattern: 105.
  - f. Pattern: Log Cabin.
  - g. Texture: Smooth faced.
  - h. Texture: Saw textured.
  - i. Moisture Content: Kiln-dried.
  - j. Moisture Content: Green (unseasoned).
5. Grade: B Clear.
- a. Pattern: Channel Siding.
  - b. Pattern: WP-11.
  - c. Pattern: 101.
  - d. Pattern: 105.
  - e. Pattern: Log Cabin.
  - f. Texture: Smooth faced.
  - g. Texture: Saw textured.
  - h. Moisture Content: Kiln-dried.
  - i. Moisture Content: Green (unseasoned).

## 2.8 KNOTTY LAP PATTERN SIDING

- A. Knotty Lap Pattern Cedar Siding: Western Red Cedar graded to meet NLGA "Grading Standards," paragraph 204, and WCLIB "Grading Standards," paragraph 111.
  - 1. Grade: Select Knotty.
    - a. Pattern: Channel Siding.
    - b. Pattern: WP-11.
    - c. Pattern: 101.
    - d. Pattern: 105.
    - e. Pattern: Log Cabin.
    - f. Texture: Smooth faced.
    - g. Texture: Saw textured.

- h. Moisture Content: Kiln-dried.
    - i. Moisture Content: Green (unseasoned).
  - 2. Grade: Quality Knotty.
    - a. Pattern: Channel Siding.
    - b. Pattern: WP-11.
    - c. Pattern: 101.
    - d. Pattern: 105.
    - e. Pattern: Log Cabin.
    - f. Texture: Smooth faced.
    - g. Texture: Saw textured.
    - h. Moisture Content: Kiln-dried.
    - i. Moisture Content: Green (unseasoned).
  
- B. Standard Knotty Lap Pattern Cedar Siding: Western Red Cedar graded to meet NLGA "Grading Standards," paragraph 114a, b, and c, and WCLIB "Grading Standards," paragraph 118-a, b, and c.
  - 1. Grade: Standard and Better.
    - a. Pattern: Channel Siding.
    - b. Pattern: WP-11.
    - c. Pattern: 101.
    - d. Pattern: 105.
    - e. Pattern: Log Cabin.
    - f. Texture: Smooth faced.
    - g. Texture: Saw textured.
    - h. Moisture Content: Kiln-dried.
    - i. Moisture Content: Green (unseasoned).
  
- C. Proprietary Knotty Lap Pattern Cedar Siding:
  - 1. Grade: \_\_\_\_\_.
  - a. Pattern: \_\_\_\_\_.
  - b. Texture: \_\_\_\_\_.
  - c. Moisture Content: \_\_\_\_\_.
  - d. Finish: \_\_\_\_\_.

## 2.9 CLEAR BOARD-AND-BATTEN SIDING

- A. Clear Board-and-Batten Cedar Siding: Western Red Cedar graded to meet NLGA "Grading Standards," paragraph 200, and WCLIB "Grading Standards," paragraph 102.
  - 1. Grade: Clear Heart.
    - a. Pattern: Rough sawn.
    - b. Pattern: Surfaced one side and two edges (S1S2E).
    - c. Moisture Content: Kiln-dried.
  - 2. Grade: A Clear.
  - 3. Grade: A Clear and Better.

4. Grade: A Clear and Better with a percentage of B Clear allowed.
    - a. B Clear allowed: \_\_\_\_\_ percent.
    - b. Pattern: Rough sawn.
    - c. Pattern: Surfaced one side and two edges (S1S2E).
    - d. Moisture Content: Kiln-dried.
  5. Grade: B Clear.
    - a. Pattern: Rough sawn.
    - b. Pattern: Surfaced one side and two edges (S1S2E).
    - c. Moisture Content: Kiln-dried.
- B. Clear Board-and-Batten Cedar Siding: Western Red Cedar graded to meet NLGA "Grading Standards," paragraph 202b and c, WCLIB "Grading Standards," paragraph 149-b and c, and WWPA "Grading Rules," 10.11 and 10.12.
1. Grade: C and Better Clear.
    - a. Pattern: Rough sawn.
    - b. Pattern: Surfaced one side and two edges (S1S2E).
    - c. Moisture Content: Kiln-dried.
    - d. Moisture Content: Green (unseasoned).
- C. Clear Board-and-Batten Cedar Siding: Western Red Cedar graded to meet NLGA "Grading Standards," paragraph 202d, WCLIB "Grading Standards," paragraph 149-b and c, and WWPA "Grading Rules," 10.13.
1. Grade: D Clear.
  2. Grade: D Clear and Better.
    - a. Pattern: Rough sawn.
    - b. Pattern: Surfaced one side and two edges (S1S2E).
    - c. Moisture Content: Kiln-dried.
    - d. Moisture Content: Green (unseasoned).

#### 2.10 KNOTTY BOARD-AND-BATTEN SIDING

- A. Knotty Board-and-Batten Cedar Siding: Western Red Cedar graded to meet NLGA "Grading Standards," paragraph 204 and WCLIB "Grading Standards," paragraph 111.
1. Grade: Select Knotty.
    - a. Pattern: Rough sawn.
    - b. Pattern: Surfaced one side and two edges (S1S2E).
    - c. Moisture Content: Kiln-dried.
    - d. Moisture Content: Green (unseasoned).



2. Grade: Quality Knotty.
  - a. Pattern: Rough sawn.
  - b. Pattern: Surfaced one side and two edges (S1S2E).
  - c. Moisture Content: Kiln-dried.
  - d. Moisture Content: Green (unseasoned).
  
- B. Standard Knotty Board-and-Batten Cedar Siding: Western Red Cedar graded to meet NLGA "Grading Standards," paragraphs 114a, b, and c, WCLIB "Grading Standards," paragraphs 118-a, b, and c, and WWPA "Grading Rules," 30.50 (118a, b, and C).
  1. Grade: Standard and Better.
    - a. Pattern: Rough sawn.
    - b. Pattern: Surfaced one side and two edges (S1S2E).
    - c. Pattern: Surfaced four sides (S4S).
    - d. Moisture Content: Kiln-dried.
    - e. Moisture Content: Green (unseasoned).
  
- C. Proprietary Knotty Board-and-Batten Cedar Siding:
  1. Grade: \_\_\_\_\_.
  - a. Pattern: \_\_\_\_\_.
  - b. Texture: \_\_\_\_\_.
  - c. Moisture Content: \_\_\_\_\_.
  - d. Finish: \_\_\_\_\_.

## PART 3 EXECUTION

### 3.1 PREPARATION

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

### 3.2 INSTALLATION

- A. Install siding in accordance with WRCLA recommendations, closely fitted and securely fastened.
  
- B. Select pieces 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.

- C. Discard pieces that are warped, twisted, bowed, crooked, or otherwise defective.

### 3.3 FIELD QUALITY CONTROL

- A. Siding work may be rejected, whether or not installed, for excessive warp, twist, bow, or crook, as well as for improper cutting or fitting.

### 3.4 ADJUSTING AND CLEANING

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

END OF SECTION