

**SECTION 06 10 00
TREATED WOOD BLOCKING**

PART 1-GENERAL

1.01 GENERAL

- A. The Contract Documents include: the "Contract Drawings"; the "Specifications"; the "Instructions to Bidders and General Conditions, NYC Housing Authority Contracts", latest edition; the "Form of Proposal", "Amendments to General Conditions", and all amendments and addenda, all of which govern the work of this Contract.
- B. The Contractor is also directed to Division 01 and Division 02 of this specification. They include a description of additional work for removal and replacement of roofing, described herein under this section.

1.02 SCOPE OF WORK

- A. Blocking:
 - 1. Provide new treated wood blocking @ main roof perimeter.
 - 2. Provide new treated wood blocking @ bulkhead roof perimeter.
 - 3. Provide new treated wood blocking @ required areas not specified in the specification and on the drawings to complete the work.

1.03 RELATED REQUIREMENTS

- A. Section -07 14 00 - Roofing Replacement

1.04 REFERENCES

- A. American Society for Testing and Materials (ASTM) - Annual Book of ASTM Standards
- B. ASTM D 2218 – Impact Resistance of Prepared Roof Covering Materials.
- C. Underwriters Laboratories (UL) - Roofing Systems and Materials Guide (TGFU R1306)
- D. National Roofing Contractors Association (NRCA)
- E. U.S. Green Building Council (USGBC)
- F. Leadership in Energy and Environmental Design (LEED)
- G. ENERGY STAR
- H. Cool Roof Rating Council (CRRC)

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Provide all primary roofing products, including shingles, underlayment, leak barrier, and ventilation, gutters & downspouts by a single manufacturer.
- B. Installer Qualifications: Installer must be approved for installation of all roofing products to be installed under this section.

1.06 REGULATORY & CODE REQUIREMENTS

- A. Provide a roofing sheathing achieving an Underwriters Laboratories (UL) Class A fire classification.
- B. Fastening of roofing sheathing must achieve 120 mph wind uplift resistance.
- C. Install all roofing products in accordance with all federal, state and local building codes. All work shall be performed in a manner consistent with current OSHA guidelines.

PART 2 – PRODUCTS

2.01 WOOD FOR BLOCKING: WHERE REQUIRED SHALL BE PRESSURE TREATED WITH WATER- BORNE PRESERVATIVES SUCH AS ACQ OR EQUAL. NEW WOOD BLOCKING SHALL MATCH THE HEIGHT OF THE NEW ROOF INSULATION AT ROOF AND IN OTHER LOCATIONS AS SHOWN ON CONTRACT DRAWINGS. ALL FASTENERS AND NAILS MUST BE STAINLESS STEEL TO INHIBIT GALVANIC ACTION WITH THE COPPER PRESERVATIVE.

PART 3 EXECUTION

3.01 PREPARATION OF SUBSTRATE

- A. Remove all existing overlay material, and accessories (nails, etc.) to expose substrate. Do not damage substrate during removal.
- B. Examine surfaces and conditions to which this Work is to be attached or applied and notify the Authority's Representative if existing conditions or surfaces are detrimental to the proper and expeditious installation of the Work. Starting on the Work shall imply acceptance of the surface and conditions to perform the Work as specified.

3.02 GENERAL INSTALLATION

- A. Do not use units of material with defects which impair the quality of the Work.
- B. Install blocking accurately to required lines and levels with members plumb and true, accurately cut and fitted and securely fastened.
- C. Securely attach blocking to substrates by anchoring and fastening as indicated on the drawings, or, if not indicated, as required by the referenced standards.
- D. Select fasteners of size that will not penetrate through members where opposite side wall will be exposed to view. Install fasteners without splitting wood, pre- drill material as required.
- E. Position fasteners and anchors in such a manner they will not spall the underlying substrate. Where feasible, install two rows of fasteners/anchors staggered.
- F. Countersink bolts and nuts flush with surfaces, unless otherwise shown.

3.03 BLOCKING INSTALLATION

- A. At a minimum, install in accordance with applicable provisions of the Manual for wood Frame Construction by AFPA and FM 1-28R, FM 1-29R & FM-49 by Factory Mutual.
- B. Install wood blocking and nailers where indicated and where required for support, attachment of other work. Form and shim to shapes as indicated or required.
- C. Where multiple layers of wood blocking, framing or nailers are required, off-set and stagger joint a minimum of 12 inches.
- D. Attach to substrate as indicated on the Contract Drawings and provision within this section. Unless otherwise shown on the Drawings, as a minimum, install and secure material as follows:
 - 1. Size and space fasteners as required to support applied loading.
 - 2. Wood-to-CMU/Concrete/Masonry: Space anchors 16 inches apart, 8 inches each way from corner. Stagger anchors if nailer is wider than 6 inches. Fill hollow cells of CMU to receive anchor with high strength grout or drill hole no larger than 1/8 inch larger than anchor in solid concrete, CMU and masonry and fill with epoxy grout.
 - 3. Wood-to-Wood: Fasten with barbed, annular ring shanked nails long enough to penetrate substrate a minimum of 1-1/4 inches. Fasten with two rows so that spacing in any one row should not exceed 24 inches. Spacing shall not exceed 12 inches, 8 inches each way from outside corner. Withdrawal resistance should be 100lb per nail minimum.

END OF SECTION 06 10 00