PART 1 - GENERAL

1.1 SUMMARY

A. Includes But Not Limited To:
   1. Quality of wood fastening methods and materials unless specified otherwise.

B. Related Sections:
   1. Section 05 0523: Quality of bolts used on Project.
   2. Furnishing and installing of fasteners specified in individual Sections where installed.

1.2 REFERENCES

A. American Society For Testing And Materials:

1.3 DEFINITIONS

A. Nail Terminology:
   1. When following nail terms are used in relation to this Project, following lengths and diameters will
      be understood. Refer to nails of other dimensions by actual length and diameter, not by one of
      listed terms:

      | Nail Term  | Length   | Diameter | Length | Diameter |
      |------------|----------|----------|--------|----------|
      | 8d Box     | 2-1/2 inches | 0.113 inch | 63.5 mm | 2.827 mm |
      | 8d Common  | 2-1/2 inches | 0.131 inch | 63.5 mm | 3.389 mm |
      | 10d Box    | 3 inches   | 0.128 inch | 76.2 mm | 3.251 mm |
      | 10d Common | 3 inches   | 0.148 inch | 76.2 mm | 3.759 mm |
      | 16d Box    | 3-1/2 inches | 0.135 inch | 88.9 mm | 3.411 mm |
      | 16d Sinker | 3-1/4 inches | 0.148 inch | 82.6 mm | 3.759 mm |
      | 16d Common | 3-1/2 inches | 0.162 inch | 88.9 mm | 4.115 mm |

1.4 SUBMITTALS

A. Shop Drawings:
   1. Submit diameter and lengths of fasteners proposed for use on Project. If length or diameter of
      proposed fasteners differ from specified fasteners, also include technical and engineering data for
      proposed fasteners including, but not limited to:
      a. Adjusted fastener spacing where using proposed fasteners and,
      b. Adjusted number of fasteners necessary to provide connection capacity equivalent to
         specified fasteners.
   2. Submit on powder-actuated fasteners other than those specified in Contract Documents showing
      design criteria equivalents at each application.
   3. Show type, quantity, and installation location of framing anchors. Where necessary, reference
      Drawing details, etc, for installation locations.

B. Quality Assurance / Control: Manufacturer's literature on framing anchors and powder actuated
   fasteners.
PART 2 - PRODUCTS

2.1 MATERIALS

A. Fasteners:
   1. Fasteners in contact with preservative treated wood shall be hot-dipped galvanized or G-185 coated.
   2. Nails:
      a. Meet requirements of ASTM F 1667.
      b. Unless noted otherwise, nails listed on Drawings or in Specifications shall be common nail diameter, except 16d nails, which shall be box diameter.
   3. Wood Screws: Standard type and make for job requirements.
   4. Powder-Actuated Fasteners:
      a. Type Two Acceptable Manufacturers:
         3) Equals as approved by Architect through shop drawing submittal before installation. See Section 01 6000.
   5. Expansion Bolts:
      a. Type Two Acceptable Products:
         3) Equals as approved by Architect through shop drawing submittal before installation. See Section 01 6000.
   6. Screw Anchors:
      a. Type Two Acceptable Products:
         3) Equals as approved by Architect through shop drawing submittal before installation. See Section 01 6000.

B. Adhesives:

C. Framing Anchors:
   1. Framing anchors and associated fasteners in contact with preservative treated wood shall be hot-dipped galvanized, G-185 coated, or stainless steel. However, do not use stainless steel items with galvanized items.
   2. Type Two Acceptable Products:
      e. Equals as approved by Architect through shop drawing submittal before installation. See Section 01 6000.

PART 3 - EXECUTION

3.1 ERECTION

A. Secure one Manufacturer approved fastener in each hole of framing anchor that bears on framing member unless approved otherwise in writing by Architect. 'Boss' system by ACS is acceptable nailing system for framing anchors.
B. Provide bolt heads and nuts bearing on wood with washers.

END OF SECTION