

REMEDIAL SPECIFICATIONS—PRODUCTS

A. Manufacturer

1. Available Manufacturers: subject to compliance with requirement, manufacturers offering products that may be incorporated into the work include but are not limited to the following:
 - a. Manufacturer's meeting quality assurance requirements and having products and services with equal or better properties may be acceptable subject to approval by building owner.
 - b. Tremco, "TPA tri-polymer-alloy thermoplastic system" is basis-of-design.

B. Insulation

1. Polyisocyanurate Insulation: ASTM C 1289, Type II, Class 1, Grade 2, HCFC-free, with felt or glass-fiber mat facer on both major surfaces.
2. Spot Replacement: to match existing thickness.
3. Provide pre-formed saddles/crickets between drains.
 - a. 1/2" in 12" slope.

C. Insulation Adhesive: Low Rise Insulation Adhesive by roofing manufacturer.

1. Adhere tapered polyisocyanurate and/or saddles or crickets to substrate board.

D. Wood blocking: southern pine, #2 grade; free from warping and visible decay; pressure-treated with chromated copper arsenate (CCA) to meeting AWPB, LP-22, 0.040 retention, and marked.

E. Miscellaneous Fasteners

1. Wood-to-Wood: galvanized, common, annular ring nail.
 - a. Length sufficient to provide minimum 1-1/2" embedment.
2. Galvanized sheet steel to wood blocking: FS FF-N-105B 93) Type II, Style 20, roofing nails; galvanized steel wire, flat head diamond point, round, barbed shank.
 - a. Length: sufficient to provide 1-1/2" embedment.
3. Metal-to-Metal: self-tapping screw with rubber washer; TEKS fastener by Buildex or other as approved.
4. Masonry: alloy hit-achor by Rawl.

F. Waterproofing Membrane

Loose-laid ballasted reinforced thermoplastic roofing membrane to meet the following performance characteristics:

<u>Property</u>	<u>Typical Value</u>	<u>Test Method</u>
Thickness	60-mils	ASTM D 751
Tensile Strength	300 lbf	ASTM D 751
Elongation at Fabric Break	17% minimum XD/MD	ASTM D 751
Tear Strength	100 lbf	ASTM D 751
Low Temperature Flexibility	-40 F.	ASTM D 2137

G. Auxillary Materials

1. General: auxiliary materials recommended by roofing system manufacturer for intended use and compatible with roofing membrane.
2. Sheet Flashing: manufacturer's standard sheet flashing of same material, type, reinforcement, thickness, and color as field membrane sheet/ply.
3. Flashing Bonding Adhesive: by waterproofing membrane manufacturer.
4. Metal Termination Bars: manufacturer's standard pre-drilled stainless-steel or aluminum bars, approximately 1-by-1/8-inch thick.
5. Urethane Sealant: Tremseal D.

H. Metal Accessories

1. Sheet Metal Flashing: fluoropolymer coated 24-guage sheet steel; fabricated and installed to Factory Mutual Global, SMACNA, and roofing manufacturer's requirements/standards.
 - a. Tremlock Flatstock: by roofing manufacturer.
2. Extruded Edge System: Tremlock ESS two-part assembly edge system with an extruded retainer base and decorative snap-on fascia. Extruded base to be .100" extruded aluminum with pre-punched slotted holes for fastener placement at 12-inches on-center.

END OF SECTION