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Roofing Systems

COMPANY
Polyglass USA Inc
1111 W NEWPORT CENTER DR
DEERFIELD BEACH, FL 33442 United States

R14571

SINGLE PLY MEMBRANE SYSTEMS

Unless otherwise indicated, the insulation and base sheet are mechanically fastened in place; the membrane is heat welded in place.

(Optional) Noncombustible roof deck classifications are applicable for use over minimum 15/32-in. combustible thick plywood roof decks when minimum 1/2-in. thick gypsum board or minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard", "DensDeck Prime® Roofboard", "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK™ Brand UltraLight Glass-Mat Roof Board Type SGMRX" or minimum 7/16-in. thick National Gypsum Co. "DEXcell® FA Glass Mat Roof Board" are used directly over the combustible roof decks with all joints staggered a minimum of 6-in. from plywood roof deck butt joints or are used directly over the UL Classified insulation with all joints staggered a minimum of 6-in. from plywood roof deck butt joints.

(Optional) Noncombustible roof deck classifications are applicable for use over minimum 15/32-in. combustible thick plywood roof decks when minimum 7/16-in thick National Gypsum Co. “PermaBase” and “DEXcell”, or 1/2 or 5/8-in. thick United States Gypsum Co. “Durarock” are used directly over the combustible roof decks with all joints staggered a minimum of 6-in. from plywood roof deck butt joints.

Minimum 7/16 in. thick National Gypsum “PermaBase”, “DuraBacker”, “PermaBase Plus”, “DuraBacker Plus”, “DEXcell” or “PermaBase Dek”, 1/4 in., 1/2 in. or 5/8 in. thick "DEXcell Glass Mat Roof Board", "DEXcell FA Glass Mat Roof Board" or “DEXcell FA VSH” may be used in lieu of Georgia-Pacific Gypsum LLC "DensDeck® Roofboard", "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" in any existing roof deck Classification.

Unless otherwise indicated, in any noncombustible roof deck Classification any UL Classified insulation may be utilized underneath a layer of minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard", "DensDeck Prime® Roofboard", "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK™ Roof Board Type FRX-G".

General statement for use of vapor retarders and/or deck/insulation adhesives noncombustible (NC) roof decks only when such vapor retarders or deck/insulation adhesives are acceptable to Polyglass USA Inc. they may be utilized.

"Polybase V", "*Modibase*", "*Polyglass G2 Base*" may be used in lieu of any Type G2 base sheet in any NC Classification. These products may also be used in any combustible roof deck (minimum C-15/32) Classification in which a generic Type G2 is referenced (i.e. not brand specific). "*Polyglass Ply 4*", "*Polyglass Ply 6" (Type G1)*", "*Polyglass Vented Base*", "*XtraFlex Ply IV*", "*XtraFlex Ply VI*" and "*XtraFlex G2 Base*" may be used in any NC Classification. These products may also be used in any minimum C-15/32 roof deck Classification in which a generic Type G1 is referenced (i.e. not brand specific).

References to polyisocyanurate insulation may include Polyglass USA Inc. products "*Polytherm*®" and "*Polytherm*®".

Acceptable alternates to the membranes and base/ply sheets listed are given below:

Membrane Listed	Acceptable Alternatives
"Polybond"	"Modibond" or "Torch Pro Smooth"
"Polybond G"	"Modibond G" or "Torch Pro Granular"
"Elastoflex VG FR"	"Elastoflex VG HP FR"
"Polyflex G", "Polyflex Cold Bond"	"Polyflex G HP"
"Elastoflex S6", "Elastoflex P-C" or "XtraFlex SBS Poly Base"	"Elastoflex VP", "Elastoflex S6 HP", "Elastoflex S6 22", "Elastoflex S6 25", or “Elastobase P”
"Polyflex G FR", "Modibond G FR", "XtraFlex APP G FR"	"Polyflex G HP FR"
"Elastoflex V"	"Elastoflex V HP" or "Elastoflex V 22"
“Elastoshield TS G”	“Elastoshield TS” or “Elastoshield VP HT”
"Polyflex"	"Polyflex 5.0"

Membrane Listed	Acceptable Alternatives
"Polyfresko G FR"	"Polyfresko G HP FR"
"Elastoflex S6 G FR", "XtraFlex SBS POLY G" or "XtraFlex SBS POLY G T"	"Elastoflex S6 G HP FR"
"Polyfresko G SBS FR"	"Polyfresko G SBS HP FR"
"Elastoflex S6 G", "Elastoflex S6 G-C"	"Elastoflex S6 G HP", "Elastoflex VP G HP"
"Elastoflex SA V", "Elastoflex SA V Polar Base", "Elastoflex SA V Plus", "Elastoflex SA Base Plus" or "Elastobase SA"	"Elastoflex SA Base"
"Elastoflex SA Base"	"Elastoflex SA Polar Base", “Elastoflex VP Ultra”
"Elastoflex SA V"	"Base Pro", "Polyflex SA Base", "Elastoflex SA V Polar Base", "Elastoflex SA Base Plus" or "Elastobase SA"

"Polytherm®", "Polytherm® Tapered" or "Polytherm® Composite" insulations may be used wherever polyisocyanurate insulations are specified in the Classifications below.

"Polytherm K", "Polytherm K 25 PSI", "Polytherm K G", "Polytherm K G 25 PSI", "Polytherm K Tapered", or "Polytherm K Coverboard" insulations may be used wherever polyisocyanurate insulations are specified in the Classifications below.

Insulation may be optional for any non-combustible roof deck systems unless the insulation acts as a coverboard over another insulation.

The "Cure Technology" finish may be added to any Polyglass USA Inc. membrane without adversely affecting the UL Classification for that product/assembly. The product/assembly would maintain the same Classification with or without the "Cure Technology" process.

Unless otherwise indicated, "Ply IV" or "Ply VI" may be used in any Classification below that reference generic Type G1.

Unless otherwise indicated, "G2 Base" may be used in any noncombustible roof deck Classification below that reference generic Type G2.

"Polyflex Cold Bond" may be used as an acceptable alternate to "Polyflex G".

"Polytherm CG" may be used as an alternate to "Tapered Polytherm CG" in the following insulated roofing assemblies that permit the use of a membrane.

“Polytherm H” may be used as an alternate to "Tapered Polytherm H" in the following insulated roofing assemblies.

Any system listed for use over a combustible deck can be installed over a non-combustible deck and achieve the same classification.

Uniform thickness or tapered insulation may be used in the following systems provided they do not exceed the indicated incline or thickness.

Unless otherwise indicated, on non-combustible decks, “Polytherm HD”, “Polytherm HD Composite CG”, may replace, or be used in addition to, any UL Classified wood fiberboard, in any UL Classified insulated roofing system assembly and retain the classification of that assembly, though the max slope cannot exceed 1/2:12 if “Polytherm HD”, “Polytherm HD Composite CG”, is used directly below TPO membrane. Unless otherwise indicated, on combustible decks, “Polytherm HD”, “Polytherm HD Composite CG” may be used in addition to any UL Classified wood fiber board, in any insulated UL Classified roofing system assembly and retain the classification of that assembly, though the max slope cannot exceed 1/2:12 if “Polytherm HD”, “Polytherm HD Composite CG”, is used directly below TPO membrane.

“Polytherm HD” (min. 1/2 in. thickness), “Polytherm HD Composite CG” (min. 1/2 in. thickness) may be used over any UL Classified polystyrene on non-combustible decks. Max incline shall be in accordance with the Classification established for the insulation/membrane roofing system, but cannot exceed 2:12.

“Polytherm H” may be used in any UL Classified insulated roofing system assembly that incorporates the use of any UL Classified polyisocyanurate insulation.

The vapor barriers, “PolyVap SA”, "PolyVap SA S" and "Polyvap SA G" can be used as optional components under insulation in all assemblies with both combustible and non-combustible decks. With assemblies where insulation is optional, vapor barrier use would only be permitted when insulation is used.

For Combustible Decks - Class A:

1. A minimum 3 in. layer or a minimum two layers of 1.5 in. of “Polytherm CG”, “Polytherm HD Composite CG”, is placed directly over a combustible deck and is covered with any UL Classified roofing membrane used in any UL Class A roofing assembly to achieve a Class A fire Classification. As an alternative, any UL Classified insulation (except expanded or extruded polystyrene), any combination, any thickness, may be used below the 3 in. minimum total thickness of “Polytherm CG”, “Polytherm HD Composite CG”. The insulation may be loosely laid or attached with fasteners and plates, hot roofing asphalt or cold adhesive. A vapor barrier (non-UL classified) may also be used below the insulation. All insulation joints must be staggered a minimum of 6 in. from the deck joints or from the insulation joints directly below. The maximum incline shall be in accordance with the Classification established for the membrane/insulation roofing assembly, however the incline cannot exceed 1/2:12.

2. A minimum 2.5 in. layer of “Polytherm CG”, “Polytherm HD Composite CG”, is placed over a minimum 2.5 in. layer of any UL Classified insulation (except expanded or extruded polystyrene) over a combustible deck. The insulation is covered with any UL Classified roofing membrane used in any UL Class A roofing assembly to achieve a Class A fire Classification. The insulation may be loosely laid or attached with fasteners and plates, hot roofing asphalt or cold adhesive. A vapor barrier (non-UL classified) may also be used below the insulation. All insulation joints must be staggered a minimum of 6 in.

from the deck joints or from the insulation joints directly below. The maximum incline shall be in accordance with the Classification established for the membrane/insulation roofing assembly, however the incline cannot exceed 1/2:12.

3. A minimum 1.9 in. layer of “Polytherm CG”, “Polytherm HD Composite CG”, is placed over a minimum 1 layer of Carlisle "FR Base Sheet 1S" or GAF "VersaShield FB-1S" over a combustible deck. The insulation is covered with any UL Classified roofing membrane used in any UL Class A roofing assembly to achieve a Class A fire Classification. As an alternative, any UL Classified insulation (except expanded or extruded polystyrene), any combination, any thickness, may be used below the 1.9 in. minimum total thickness of “Polytherm CG”, “Polytherm HD Composite CG”. The insulation may be loosely laid or attached with fasteners and plates, hot roofing asphalt or cold adhesive. A vapor barrier (non-UL classified) may also be used below the insulation. All insulation joints must be staggered a minimum of 6 in. from the deck joints or from the insulation joints directly below. The maximum incline shall be in accordance with the Classification established for the membrane/insulation roofing assembly, however the incline cannot exceed 1/2:12.

4. A minimum 1/2 in. layer of “Polytherm HD”, over a minimum 2.5 in. layer of any Classified polyisocyanurate insulation is placed directly over a combustible deck and is covered with any UL Classified roofing membrane used in any UL Class A roofing assembly to achieve a Class A fire Classification. As an alternative, any UL Classified insulation (except expanded or extruded polystyrene), any combination, any thickness, may be used below the 3 in. minimum total thickness. The insulation may be loosely laid or attached with fasteners and plates, hot roofing asphalt or cold adhesive. A vapor barrier (non-UL classified) may also be used below the insulation. All insulation joints must be staggered a minimum of 6 in. from the deck joints or from the insulation joints directly below. The maximum incline shall be in accordance with the Classification established for the membrane/insulation roofing assembly, however the incline cannot exceed 1/2:12.

5. A minimum 1/2 in. layer of “Polytherm HD”, over a minimum 1.4 in. layer of any Classified polyisocyanurate insulation is placed over a minimum 1 layer of Carlisle "FR Base Sheet 1S" or GAF "VersaShield FB-1S" over a combustible deck. The insulation is covered with any UL Classified roofing membrane used in any UL Class A roofing assembly to achieve a Class A fire Classification. As an alternative, any UL Classified insulation (except expanded or extruded polystyrene), any combination, any thickness, may be used below the 1.9 in. minimum total thickness. The insulation may be loosely laid or attached with fasteners and plates, hot roofing asphalt or cold adhesive. A vapor barrier (non-UL classified) may also be used below the insulation. All insulation joints must be staggered a minimum of 6 in. from the deck joints or from the insulation joints directly below. The maximum incline shall be in accordance with the Classification established for the membrane/insulation roofing assembly, however the incline cannot exceed 1/2:12.

6. A minimum 1/2 in. layer of “Polytherm HD”, over a minimum 4 in. layer of any UL Classified EPS insulation is placed directly over a combustible deck and is covered with any UL Classified roofing membrane used in any UL Class A roofing assembly to achieve a Class A fire Classification. Any UL Classified insulation, any combination, any thickness, may be used below the 4-1/2 in. minimum total thickness. All layers may be loosely laid or attached with fasteners and plates, hot roofing asphalt or cold adhesive. A vapor barrier (non-UL classified) may also be used below the insulation. All insulation joints must be staggered a minimum of 6 in. from the deck joints or from the insulation joints directly below. The maximum incline shall be in accordance with the Classification established for the membrane/insulation roofing assembly as listed in UL's Roofing Materials & Systems Directory; however the incline cannot exceed 1/2:12.

7. A minimum 1/2 in. thick layer of “Polytherm HD”, is placed directly over a combustible deck and is covered with any UL Classified roofing membrane used in any UL Class A roof covering assembly to achieve a Class A fire Classification. As an alternative, any UL Classified insulation (except expanded or extruded polystyrene), any combination, any thickness, may be used below the 1/2 in. minimum thickness. All layers may be loosely laid or attached with fasteners and plates, hot roofing asphalt or cold adhesive. A vapor barrier (non-UL classified) may also be used below the insulation. All insulation joints must be staggered a minimum of 12 in. from the roof deck joints or from the insulation joints directly below. The maximum incline shall be in accordance with the Classification established for the membrane/insulation roofing assembly as published on UL's On-Line Certification Directory for the product category Roofing Systems (TGFU); however the incline cannot exceed 1:12.

For Combustible Decks - Class B:

1. A minimum 1.9 in. layer of “Polytherm CG”, “Polytherm HD Composite CG”, is placed directly over a combustible deck and is covered with any UL Classified roofing membrane used in any UL Class B roofing assembly to achieve a Class B fire Classification. As an alternative, any UL Classified insulation (except expanded or extruded polystyrene), any combination, any thickness, may be used below the 1.9 in. minimum thickness layer of “Polytherm CG”, “Polytherm HD Composite CG”. The insulation may be loosely laid or attached with fasteners and plates, hot roofing asphalt or cold adhesive. A vapor barrier (non-UL classified) may also be used below the insulation. All insulation joints must be staggered a minimum of 6 in. from the deck joints or from the insulation joints directly below. The maximum incline shall be in accordance with the Classification established for the membrane/insulation roofing assembly, however the incline cannot exceed 1/2:12.

2. A minimum 1/2 in. layer of “Polytherm HD”, over a minimum of 1.4 in. layer of any Classified polyisocyanurate insulation is placed directly over a combustible deck and is covered with any UL Classified roofing membrane used in any UL Class B roofing assembly to achieve a Class B fire Classification. As an alternative, any UL Classified insulation (except expanded or extruded polystyrene), any combination, any thickness, may be used below the 1.9 in. minimum thickness layer. The insulation may be loosely laid or attached with fasteners and plates, hot roofing asphalt or cold adhesive. A vapor barrier (non-UL classified) may also be used below the insulation. All insulation joints must be staggered a minimum of 6 in. from the deck joints or from the insulation joints directly below. The maximum incline shall be in accordance with the Classification established for the membrane/insulation roofing assembly, however the incline cannot exceed 1/2:12.

MODIFED BITUMEN MEMBRANE SYSTEMS

Class A - Ballasted

1. **Deck:** C-15/32 **Incline:** 3

Ply or Base Sheet: — One ply "Polyanchor", mechanically fastened.

Insulation: — Polyisocyanurate, urethane, perlite/polyisocyanurate composite, perlite/urethane composite, Glass fiber, phenolic or perlite, any thickness.

Ply or Base Sheet: — One ply “Elastobase V”, "Elastovent", "Elastoflex V", "Elastoflex V HP", "Elastoflex V-C", "Elastoshield TS G", "Elastoflex SA P Smooth", "Elastoflex SA Base HD", "Elastoflex SA Base", “Elastoflex VP Ultra”, or "Elastoflex SA Polar Base".

Membrane: — One or more plies "Duflex", "Duflex G", " Polyglass 350 CAP", "Polyfresko 350 CAP", "Polybond", "Polybond G", "Polyflex", "Polyfresko G", "XtraFlex APP G" or "Polyflex G" (modified bitumen), heat welded; or one or more plies "Elastoflex V", "Elastoflex V HP", "Elastoflex V-C", “Elastobase V”, "Elastoflex S6", "XtraFlex SBS POLY Base", "Elastoflex P-C" or "Elastoshield TS G", hot mopped or heat fused or adhered with “PG 350 LV” at 1.5 – 2.0 gal/100 ft.^{2}.

Surfacing: — Gravel, embedded in hot roofing asphalt.

Class B - Ballasted

1. **Deck:** C-15/32 **Incline:** 3

Base Sheet: — Type G2.

Membrane: — "Duflex", "Duflex G", "Polybond", "Polyglass 350 CAP", "Polyfresko 350 CAP", "Polybond G", "Polyflex", "Polyfresko G" or "Polyflex G" (modified bitumen), heat; welded, or one or more plies "Elastoflex V", "Elastoflex V HP",

"XtraFlex SBS Glass Interply", "Elastoflex V-C", "Elastobase V", "Elastoflex S6", "XtraFlex SBS POLY Base", "Elastoflex P-C" or "Elastoshield TS G ", hot mopped.

Surfacing: — Gravel, embedded in hot roofing asphalt or heat fused.

Class A - Fully Adhered

1. **Deck:** NC **Incline:** 1/2

Insulation (Optional): — Polyisocyanurate, urethane, perlite/polyisocyanurate composite, perlite/urethane composite, Glass fiber, phenolic or perlite, any thickness.

Base Sheet: — One or more plies "Elastobase V", "Elastovent", "XtraFlex SBS Glass", "Polyflex", "Elastoflex V", "Elastoflex V HP", "Elastoflex V-C" or Type G2.

Membrane: — "Polybond", "Polybond G", "Polyflex", "Polyfresko G" or "Polyflex G" (modified bitumen), heat welded.

Surfacing: — "PG 800 Asphalt Emulsion Roof Coating", applied at 3 to 4-gal./100-ft^2.; or Karnak Corp. "No. 97 Fibrated Aluminum Asphalt Roof Coating" or Karnak Corp. "No. 97 Asbestos Free Aluminum Roof Coating" at 1 to 2-gal./100-ft^2.; or Brewer Co "Fortress 5001 Asphalt Emulsion" applied at 4-gal./100-ft^2., followed by "PolyPlus 60", applied at 3/4 to 1-gal./100-ft^2.

2. **Deck:** C-15/32 **Incline:** 1/2

Insulation: — Polyisocyanurate, perlite/polyisocyanurate composite, perlite/urethane composite, Glass fiber, phenolic or perlite, any thickness, with insulation joints staggered a minimum of 6-in. from plywood joints.

Base Sheet: — One or more plies "Elastobase V", "Elastovent", "Polyflex", "Elastoflex V", "Elastoflex V HP", "Elastoflex V-C" or Type G2.

Membrane: — "Polybond", "Polybond G", "Polyflex", "Polyfresko G" or "Polyflex G" (modified bitumen), heat welded.

Surfacing: — "PG 800 Asphalt Emulsion Roof Coating", applied at 3 to 4-gal./100-ft^2.; or Karnak Corp. "No. 97 Fibrated Aluminum Asphalt Roof Coating" or Karnak Corp. "No. 97 Asbestos Free Aluminum Roof Coating" applied at 1 to 2-gal./100-ft^2; or Brewer Co "Fortress 5001 Asphalt Emulsion" applied at 4-gal./100-ft ^{2}, followed by "PolyPlus 60", applied at 3/4 to 1-gal./100-ft ^{2}.

3. **Deck:** C-15/32 **Incline:** 1/2

Insulation: — Minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard perlite, wood fiber or Glass fiber, thick mechanically fastened.

Base or Ply Sheet: — One or more plies "Polyflex" (mechanically fastened or heat welded), "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", "Elastoflex V-C" or Type G2, mechanically fastened or hot mopped.

Membrane: — "Polybond", "Polybond G", "Polyflex", "Polyfresko G" or "Polyflex G" (modified bitumen), heat welded or hot mopped.

Surfacing: — "PG 800 Asphalt Emulsion Roof Coating" applied at 3 to 4-gal./100-ft^2.; or Monsey Products "Endure Aluminum Roof Coating", "Weather Check" or "Pro-Grade Aluminum Roof Coating" applied at 1-1/2-gal./100-ft^2; or Karnak Corp "No. 97 Fibrated Aluminum Asphalt Roof Coating" or Karnak Corp "No. 97 Asbestos Free Aluminum Roof Coating at 1 to 2-gal./100-ft^2; or Brewer Co. "Fortress 5001 Asphalt Emulsion", applied at 4-gal./100-ft ^{2}., followed by "PolyPlus 60", applied at 3/4 to 1-gal./100-ft.^{2}.

4. **Deck:** NC **Incline:** 1

Insulation (Optional): — Polyisocyanurate, Glass fiber, perlite, wood fiber, any combination, any thickness.

Base Sheet: — "Polyflex", mechanically fastened or heat welded; or Type G2, mechanically fastened or hot mopped.

Membrane: — "Polybond", "Polybond G", "Polyflex", "Polyfresko G" or "Polyflex G" (modified bitumen), heat welded.

Surfacing: — "PG 800 Asphalt Emulsion Roof Coating" applied at 3 to 4-gal./100-ft^2.; or Grundy Industries "al MB Aluminum Roof Coating" applied at 1 to 2-gal./100-ft^2.; or Brewer Co "Fortress 5001 Asphalt Emulsion", applied at 4-gal./100-ft^2., followed by "PolyPlus 60", applied at 3/4 to 1-gal./100-ft^2.

5. **Deck:** NC **Incline:** 1

Insulation (Optional): — Polyisocyanurate, urethane, perlite/polyisocyanurate composite, perlite/urethane composite, Glass fiber, phenolic, perlite or wood fiberboard, any thickness.

Base Sheet: — One or more plies "Duflex" or "Polyflex" (heat fused or mechanically fastened), "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", "Elastoflex V-C" or Type G2, hot mopped, heat fused or mechanically fastened.

Membrane: — "Duflex G FR", "XtraFlex APP Dual", "Polyfresko G FR", "XtraFlex APP G FR", "Polyflex G FR" or "Modibond G FR" (modified bitumen), heat fused.

6. **Deck:** C-15/32 **Incline:** 1/2

Base Sheet: — One or more plies "Duflex" or "Polyflex" or "Polybase V" (heat fused or mechanically fastened), "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", "Elastoflex V-C" or Type G2, hot mopped, heat fused or mechanically fastened.

Ply Sheet: — One or more plies "Duflex" or "Polyflex" or "Polybase V", heat fused; or "Polybase V", "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", "Elastoflex V-C" or Type G2, hot mopped or mechanically attached.

Membrane: — "Duflex G FR", "XtraFlex APP Dual", "Polyfresko G FR", "XtraFlex APP G FR", "Polyflex G FR" or "Modibond G FR" (modified bitumen), heat fused.

7. **Deck:** C-15/32 **Incline:** 1/2

Insulation: — Polyisocyanurate (2-in. thick minimum), perlite (3/4 in. thick minimum), Glass fiber (7/16-in. thick minimum), perlite/polyisocyanurate composite, perlite/urethane composite (2-in. thick minimum) or (2-in. thick minimum) polyisocyanurate covered with 1/2 in. thick perlite or wood fiberboard.

Base Sheet: — One or more plies "Duflex" or "Polyflex" heat fused or mechanically fastened; or one or more plies "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP" or "Elastoflex V-C", heat fused, mechanically fastened or hot mopped; or one or more plies Type G2 hot mopped or mechanically fastened.

Ply Sheet: — One or more plies "Duflex" or "Polyflex", heat fused; or one or more plies "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", "Elastoflex V-C" or Type G2, hot mopped or mechanically fastened.

Membrane: — "Duflex G FR", "XtraFlex APP Dual", "Polyfresko G FR", "XtraFlex APP G FR", "Polyflex G FR" or "Modibond G FR" (modified bitumen), heat fused.

8. **Deck:** NC **Incline:** 1/2

Insulation (Optional): — Polyisocyanurate, urethane, perlite/polyisocyanurate composite, perlite/urethane composite, Glass fiber or wood fiberboard, phenolic or perlite, any thickness.

Base Sheet: — One or more plies "Duflex" or "Polyflex" heat fused or mechanically fastened; or one or more plies "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", or "Elastoflex V-C" hot mopped, mechanically fastened or heat fused; or one or more plies Type G2, hot mopped or mechanically fastened.

Membrane: — "Elastoflex VG FR", "Elastoshield TS G FR", "Elastoflex S6 G FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or "Polyfresko G SBS FR" (modified bitumen), hot mopped or heat fused.

9. **Deck:** C-15/32 **Incline:** 1/2

Base Sheet: — One or more plies "Duflex" or "Polyflex", heat fused or mechanically fastened; or one or more plies, "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", or Type G2, hot mopped or mechanically fastened.

Ply Sheet: — One or more plies "Duflex" or "Polyflex", heat fused; or one or more plies, "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", "Elastoflex V-C" or Type G2, hot mopped or mechanically attached.

Membrane: — — "Elastoflex VG FR", "Elastoflex S6 G FR", "Polyfresko G SBS FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or "Elastoshield TS G FR" (modified bitumen), hot mopped or heat fused.

10. **Deck:** C-15/32 **Incline:** 1/2

Insulation: — Minimum 2-in. thick Polyisocyanurate, minimum 3/4-in. thick perlite, minimum 15/16-in. thick glass fiber, perlite/polyisocyanurate composite, perlite/urethane composite (2-in. thick minimum).

Base Sheet: — One or more plies "Duflex" or "Polyflex", heat fused or mechanically fastened; or one or more plies, "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", "Elastoflex V-C" or Type G2, hot mopped or mechanically fastened.

Ply Sheet: — One or more plies "Duflex" or "Polyflex", heat fused; or one or more plies, "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", "Elastoflex V-C" or Type G2, hot mopped or mechanically attached.

Membrane: — "Elastoflex VG FR", "Elastoflex S6 G FR", "Polyfresko G SBS FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or "Elastoshield TS G FR" (modified bitumen), hot mopped or heat fused.

11. **Deck:** NC **Incline:** 1

Insulation (Optional): — Cellular concrete, gypsum concrete, vermiculite concrete, perlite concrete or structural concrete.

Primer: — Not UL Classified — as required by manufacturer.

Membrane: — "Polybond", "Polybond G", "Polyflex", "Polyflex G", "XtraFlex APP G FR", "Polyfresko G FR", "Polyflex", "Polyflex G", "Duflex G FR", "XtraFlex APP Dual", "XtraFlex APP G FR", "Polyflex G FR" or "Modibond G FR".

Surfacing: — (not required for "Polyflex G FR", "Modibond G FR", "XtraFlex APP Dual", "XtraFlex APP G FR", "Polyfresko G FR" or "Duflex G FR") "PG 800 Asphalt Emulsion Roof Coating" applied at 3 to 4-gal./100-ft^2.; or Monsey Products "Endure Aluminum Roof Coating" applied at 1-1/2 gal./100-ft^2.; or Grundy Industries "al MB Aluminum Roof Coating" applied at 1 to 2-gal./100-ft^2.; or Brewer Co "Fortress 5001 Asphalt Emulsion" applied at 4-gal./100-ft^2., followed by "PolyPlus 60", applied at 3/4 to 1-gal./100-ft^2.

12. **Deck:** NC **Incline:** 1

Insulation (Optional): — UL Classified perlite, wood fiber, Glass fiber, polyisocyanurate, polyisocyanurate/composite, EPS/wood fiber, EPS/perlite or EPS/composite, any thickness.

Base Sheet: — One or more plies Type G1 or Type G2.

Membrane: — One or more plies "Polybond", "Polybond G", "Polyflex" or "Polyflex G" (modified bitumen), heat fused.

Surfacing: — "PG 800 Asphalt Emulsion Roof Coating" applied at 3 to 4-gal./100-ft^2.; or Fields "F350 Heat Shield Aluminum Coating" or "F630 Heat Shield Fibered Aluminum Coating" applied at 1-1/2 gal./100-ft^2.; or Brewer Co "Fortress 5001 Asphalt Emulsion" applied at 4 gal./100-ft^2., followed by "PolyPlus 60" applied at 3/4 to 1-gal./100-ft^2.

13. **Deck:** NC **Incline:** 1/2

Barrier Board (Optional): — Minimum 1/2 in. thick gypsum board.

Insulation (Optional): — Polyisocyanurate, any thickness.

Base Sheet (Optional): — Type G2, "Duflex", "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", "Elastoflex V-C" or "Polyflex".

Membrane: — "Elastoflex VG FR", "Polyflex G FR", "Modibond G FR", "XtraFlex APP G FR", "Polyfresko G FR", "Duflex G FR", "XtraFlex APP Dual", "XtraFlex SBS Glass G" or "XtraFlex SBS Glass GT", heat fused; or "Elastoflex S6 G FR" or "Polyfresko G SBS FR", hot mopped; or "Elastoshield TS G FR", heat fused or hot mopped.

14. **Deck:** C-15/32 **Incline:** 1

Insulation: — Minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard", perlite, wood fiber or Glass fiber, mechanically fastened.

Ply Sheet: — Type G2, mechanically fastened.

Membrane: — "Polybond" or "Polyflex" (modified bitumen), heat welded.

Surfacing: — "PG 800 Asphalt Emulsion Roof Coating" applied at 3 to 4 gal./100-ft.^{2}; or Monsey Products "Endure Aluminum Roof Coating", "Weather Check" or "Pro-Grade Aluminum Roof Coating" applied at 1-1/2 gal./100-ft^2.; or Brewer Co "Fortress 5001 Asphalt Emulsion" applied at 4 gal./100-ft^2., followed by "PolyPlus 60", applied at 3/4 to 1-gal./100-ft.^{2}.

15. **Deck:** NC **Incline:** 1/2

Insulation (Optional): — Polyisocyanurate, perlite, Glass fiber or wood fiberboard, any thickness.

Base Sheet: — One ply Type G2, hot mopped or mechanically fastened; or "Elastobase V" or "Elastovent", heat fused, hot mopped or mechanically fastened.

Membrane: — "Elastoflex S6 G FR", "Polyfresko G SBS FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T" or "Elastoshield TS G FR", hot mopped or heat fused.

16. **Deck:** C-15/32 **Incline:** 1/2

Base Sheet: — One ply Type G2 or "Elastobase V" or "Elastovent", mechanically fastened.

Ply Sheet: — One ply Type G2, hot mopped or mechanically fastened; or "Elastobase V" or "Elastovent", hot mopped, heat fused or mechanically fastened

Insulation (Optional): — Polyisocyanurate, perlite, Glass fiber, any thickness.

Membrane: — "Elastoflex S6 G FR", "Polyfresko G SBS FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T" or "Elastoshield TS G FR" hot mopped or heat fused.

17. **Deck:** C-15/32 **Incline:** 1/2

Insulation: — Polyisocyanurate (2-in. thick minimum), Glass fiber (15/16-in. thick minimum), perlite/polyisocyanurate composite, perlite/urethane composite (2-in. thick minimum).

Base Sheet: — One or more plies "Duflex" or "Polyflex", heat fused or mechanically fastened; or one or more plies "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", or "Elastoflex V-C", hot mopped or heat fused; or Type G2, hot mopped or mechanically fastened.

Ply Sheet (Optional): — One or more plies "Duflex" or "Polyflex", heat fused; or one or more plies "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", or "Elastoflex V-C", hot mopped or heat fused; or one or more plies Type G2, hot mopped or mechanically fastened.

Membrane: — "Duflex G FR", "XtraFlex APP Dual", "Polyfresko G FR", "XtraFlex APP G FR", "Polyflex G FR" or "Modibond G FR" (modified bitumen), heat fused.

18. **Deck:** C-15/32 **Incline:** 1/2

Insulation: — Polyisocyanurate (2-in. thick minimum), Glass fiber (15/16-in. thick minimum), perlite/polyisocyanurate composite, perlite/urethane composite (2-in. thick minimum).

Base Sheet: — One or more plies "Duflex" or "Polyflex", heat fused or mechanically fastened; or one or more plies "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", or Type G2, hot mopped or mechanically fastened.

Ply Sheet (Optional): — One or more plies "Duflex" or "Polyflex", heat fused; or one or more plies "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", "Elastoflex V-C" or Type G2, hot mopped or mechanically fastened.

Membrane: — "Elastoflex S6 G", "Elastoflex S6 G-C" or "Polyfresko G SBS" (modified bitumen), hot mopped.

19. **Deck:** C-15/32 **Incline:** 1

Insulation: — Minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard", or 1-in. thick perlite, wood fiber or Glass fiber, mechanically fastened.

Ply Sheet: — Type G2, mechanically fastened.

Membrane: — "Polyflex", heat welded.

Surfacing: — Monsey Products "Endure Aluminum Roof Coating", "Weather Check" or "Pro-Grade Aluminum Roof Coating" applied at 1-1/2 gal./100-ft.^{2}; or Brewer Co "Fortress 5001 Asphalt Emulsion" applied at 4-gal./100-ft^2., followed by "PolyPlus 60", applied at 3/4 to 1-gal./100-ft.^{2}

20. **Deck:** C-15/32 **Incline:** 2-1/2

Barrier Board: — Minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" with all butt joints staggered a minimum of 6-in. from the plywood roof deck joints.

Base Sheet: — Type G2, mechanically fastened.

Membrane: — "Polyflex G FR", "Modibond G FR", "XtraFlex APP G FR" or "Polyfresko G FR", heat fused.

21. **Deck:** C-15/32 **Incline:** 2 **Impact:** 4

Insulation (Optional): — Polyisocyanurate, perlite, wood fiber or polyisocyanurate/perlite board, any thickness.

Barrier Board: — Minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard", mechanically fastened with all butt joints staggered a minimum of 6-in. from the plywood roof deck joints.

Base Sheet: — "Elastobase V", mechanically fastened or "Elastoflex SA V Plus FR", "Elastoflex SA V FR" or "Elastoflex SA V FR Base Vent" (self-adhered).

Ply Sheet (Optional): — "Elastobase V", heat fused or mechanically fastened, or "Elastoflex SA V Plus FR", "Elastoflex SA V FR" or "Elastoflex SA V FR Base Vent", (self-adhered).

Membrane: — "Polyflex SA P FR", "Polyfresko G SA FR", "Elastoflex SA P FR", "Polyfresko G SBS SA FR", "Elastoflex SA V FR HT", (self-adhered) or "Polyflex G FR", "Modibond G FR", "XtraFlex APP G FR", "Polyfresko G FR", "Duflex G FR", "XtraFlex APP Dual", "Elastoflex S6 G FR", "Polyfresko G SBS FR", "Elastoflex VG FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or "Elastoshield TS G FR", heat fused.

22. **Deck:** C-15/32 **Incline:** 1/2

Insulation (Optional): — Polyisocyanurate minimum 1-1/2 in. thick with all joints staggered 6-in. (minimum) from the plywood joints.

Base Sheet: — Type G2, mechanically fastened followed by "Elastobase V" or "Elastovent", mechanically fastened.

Ply Sheet (Optional): — "Elastoflex SA V Plus FR", "Elastoflex SA V FR" or "Elastoflex SA V FR Base Vent", (self-adhered).

Membrane: — "Polyflex SA P FR", "Polyfresko G SA FR", "Elastoflex SA P FR", "Polyfresko G SBS SA FR", or "Duflex G FR", "XtraFlex APP Dual", "Polyflex G FR", "Modibond G FR", "XtraFlex APP G FR", "Elastoflex S6 G FR", "Polyfresko G SBS FR", "Elastoflex VG FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or "Elastoshield TS G FR", heat fused.

23. **Deck:** NC **Incline:** 2

Insulation (Optional): — "Polytherm®" or Atlas Roofing Corp. "ACFoam III" or "ACFoam II" or Hunter Panels "H-Shield", any thickness.

Base Sheet: — "Elastobase V", heat fused or mechanically fastened or "Elastoflex SA V FR", "Elastoflex SA V Plus FR" or "Elastoflex SA V FR Base Vent", (self-adhered).

Membrane: — "Polyflex SA P FR", "Polyfresko G SA FR", "Elastoflex SA P FR", "Polyfresko G SBS SA FR", "Elastoflex SA V FR HT", (self-adhered) or "Polyflex G FR", "Modibond G FR", "XtraFlex APP G FR", "Polyfresko G FR", "XtraFlex APP Dual", "Duflex G FR", "Elastoflex S6 G FR", "Polyfresko G SBS FR", "Elastoflex VG FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or " Elastoshield TS G FR", heat fused.

24. **Deck:** C-15/32 **Incline:** 3

Insulation (Optional): — Polyisocyanurate, perlite, wood fiber or polyisocyanurate/perlite board, any thickness.

Barrier Board: — Minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard", mechanically fastened with all butt joints staggered a minimum of 6-in. from the plywood roof deck joints.

Base Sheet: — "Elastobase V", mechanically fastened.

Ply Sheet (Optional): — "Elastoflex SA V Plus FR", "Elastoflex SA V FR" or "Elastoflex SA V FR Base Vent", (self-adhered).

Membrane: — "Elastoflex S6 G FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T" or "Polyfresko G SBS FR", heat fused.

25. **Deck:** NC **Incline:** 3

Insulation (Optional): — "Polytherm" or Atlas Roofing Corp. "ACFoam III" or "ACFoam II" or Hunter Panels "H-Shield", any thickness.

Barrier Board (Optional): — Minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard", mechanically fastened.

Base Sheet: — "Elastoflex SA V Plus FR", "Elastoflex SA V FR" or "Elastoflex SA V FR Base Vent" (self-adhered).

Membrane: — "Polyflex SA P FR", "Polyfresko G SA FR", "Elastoflex SA P FR" or "Polyfresko G SBS SA FR" (self-adhered).

26. **Deck:** NC **Incline:** 1/2

Base Sheet: — Type G1 or Type G2, mechanically fastened.

Membrane: — "Polyflex G" or "Polybond G", heat fused.

27. **Deck:** NC **Incline:** 3

Membrane: — "Polyflex SA P FR", "Polyfresko G SA FR", "Polyfresko G SBS SA FR" or "Elastoflex SA P FR" (self-adhered).

28. **Deck:** NC **Incline:** 1

Insulation (Optional): — Polyisocyanurate, any thickness.

Barrier Board (Optional): — Minimum 1/2 in. thick gypsum board or minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCKTM Roof Board Type FRX-G".

Base Sheet (Optional): — "Elastoflex SA V", "Elastoflex SA V Polar Base", "Elastoflex SA V Plus", "Elastobase SA" or "Elastoflex SA Base Plus", self-adhered or "Elastobase V" or “Elastoflex VP Ultra”, mechanically fastened.

Membrane: — "Polyflex SA P", "XtraFlex APP G SA" "XtraFlex Kool APP G SA", or "Polyfresko G SA P" self-adhered; or "Polyflex G FR", "Modibond G FR" heat fused.

29. **Deck:** C-15/32 **Incline:** 1/2

Insulation: — Polyisocyanurate (2-in. thick minimum), Glass fiber (15/16-in. thick minimum), perlite/polyisocyanurate composite, perlite/urethane composite (2-in. thick minimum).

Barrier Board: — Minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" mechanically fastened with all butt joints staggered a minimum of 6-in. from the plywood roof deck joints.

Base Sheet: — "Elastoflex S6", "XtraFlex SBS POLY Base", "Elastoflex P-C" (heat fused or mechanically fastened).

Membrane: — "Elastoflex S6 G", "Elastoflex S6 G-C" or "Polyfresko G SBS", (heat fused).

30. **Deck:** NC **Incline:** 1/2

Insulation (Optional) — "Polytherm" or Atlas Roofing Corp. "ACFoam III" or "ACFoam II", any thickness.

Base Sheet: — "Elastoflex SA V Plus FR", "Elastoflex SA V FR" or "Elastoflex SA V FR Base Vent", (self-adhered).

Membrane: — "PolyKool SA" or "XtraKool APP S SA", (self-adhered).

31. **Deck:** 5/32 **Incline:** 1/2

Base Sheet: — Type G2, mechanically fastened followed by "Elastoflex SA V Plus FR", "Elastoflex SA V FR" or "Elastoflex SA V FR Base Vent", (self-adhered).

Membrane: — "PolyKool SA" or "XtraKool APP S SA", (self-adhered).

32. **Deck:** NC **Incline:** 1/2

Insulation (Optional): — Polyisocyanurate, any thickness.

Base Sheet (Optional): — "Elastoflex SA V Plus", "Elastoflex SA V", "Elastoflex SA V Polar Base", "Elastobase SA" or "Elastoflex SA Base Plus", self-adhered; or "Elastobase V", "Elastovent", or “Elastoflex VP Ultra”, mechanically fastened.

Membrane: — "Elastoflex S6 G", "Elastoflex S6 G-C" or "Polyfresko G SBS", heat fused.

33. **Deck:** NC **Incline:** 1-1/4

Insulation (Optional): — Any UL Classified isocyanate or polyurethane, any thickness.

Base Sheet: — "Elastoflex SA V Plus FR", "Elastoflex SA V FR" or "Elastoflex SA V FR Base Vent", (self-adhered).

Membrane: — "PolyKool SA" or "XtraKool S SA", (self-adhered).

34. **Deck:** NC **Incline:** 1

Insulation (Optional): — Any UL Classified polyisocyanurate, any thickness.

Base Sheet: — "Elastoflex SA V Plus FR", "Elastoflex SA V FR" or "Elastoflex SA V FR Base Vent", (self-adhered).

Membrane: — "Polybianko SA P", (self-adhered).

35. **Deck:** NC **Incline:** 1/2

Insulation (Optional): — Polyisocyanurate, Glass fiber, perlite or wood fiberboard any thickness, any combination, mechanically fastened or hot mopped.

Base Sheet: — Type G2, "Elastobase V", "Elastovent", "Modibase", "Elastoflex V", "Elastoflex V HP", mechanically fastened.

Ply Sheet (Optional): — Type G2, "Elastobase V", "Elastovent", "XtraFlex SBS Glass Base", "Modibase", "Elastoflex V", "Elastoflex V HP", "Elastoflex S6", "XtraFlex SBS POLY Base", "Polyflex" or "Duflex" adhered with "Polyplus 35", "PG350", "PG350 Low VOC", "XtraFlex Cold Applied Mod Bit Adhesive" or Alco Products LLC "SBS Modified Bitumen Adhesive No. 269" at 1 to 1-1/2 gal./100-ft.^{2}

Membrane: — "Elastoflex G S6 FR", "Polyflex G FR", "Modibond G FR", "XtraFlex APP G FR" (sand-backed), "XtraFlex APP Dual" or Duflex G FR" (sand-backed), adhered with "Polyplus 35", "PG350", "PG350 Low VOC", "XtraFlex Cold Applied Mod Bit Adhesive" or Alco Products LLC "SBS Modified Bitumen Adhesive No. 269" at 1 to 1-1/2 gal./100-ft.^{2}

36. **Deck:** C-15/32 **Incline:** 1/2

Insulation (Optional): — Polyisocyanurate (1.3 in. thick minimum), Glass fiber (7/16 in. thick minimum) or perlite (3/4 in. thick minimum), mechanically fastened or hot mopped.

Base Sheet: — Two plies Type G2, first ply mechanically fastened and the second ply fully adhered with "Polyplus 35", "PG350", "PG350 Low VOC", "XtraFlex Cold Applied Mod Bit Adhesive" or Alco Products LLC "SBS Modified Bitumen Adhesive No. 269" at 1 to 1-1/2 gal./100-ft.^{2}

Membrane: — "Elastoflex G S6 FR", "Polyflex G FR", "Modibond G FR", "XtraFlex APP G FR" (sand-backed), adhered with "Polyplus 35", "PG350", "PG350 Low VOC", "XtraFlex Cold Applied Mod Bit Adhesive" or Alco Products LLC "SBS Modified Bitumen Adhesive No. 269" at 1 to 1-1/2 gal./100-ft.^{2}

37. **Deck:** C-15/32 **Incline:** 1/2

Barrier Board: — Minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" mechanically fastened with all butt joints staggered a minimum of 6-in. from the plywood roof deck joints.

Insulation (Optional): — Polyisocyanurate, Glass fiber, wood fiberboard, any thickness, mechanically fastened.

Base Sheet: — One or more plies Type G2, mechanically fastened.

Ply Sheet (Optional): — Type G2, "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", "Polyflex" or "Duflex" (sand-backed) adhered with "Polyplus 35", "PG350", "PG350 Low VOC", "XtraFlex Cold Applied Mod Bit Adhesive" or Alco Products "SBS Modified Bitumen Adhesive No. 269" at 1 to 1-1/2 gal./100-ft.^{2}.

Membrane: — "Elastoflex G S6 FR", "Polyflex G FR", "Modibond G FR", "XtraFlex APP G FR" (sand-backed) "XtraFlex APP Dual" or Duflex G FR" (sand-backed), adhered with "Polyplus 35", "PG350", "PG350 Low VOC", "XtraFlex Cold Applied Mod Bit Adhesive" or Alco Products LLC "SBS Modified Bitumen Adhesive No. 269" at 1 to 1-1/2 gal./100-ft.^{2}

38. **Deck:** NC **Incline:** 1/2

Insulation (Optional): — Polyisocyanurate, polyisocyanurate/perlite composite, Glass fiber, perlite or wood fiberboard, any combination, any thickness or polystyrene any thickness covered with 3/4 in. thick perlite, minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" mechanically fastened 7/16-in. thick Glass fiber or 1-in. thick wood fiberboard, mechanically fastened.

Base Sheet: — "Type G2, "Elastoflex V", "Elastoflex V HP", adhered with "Polyplus 35", "PG350", "PG350 Low VOC", "XtraFlex Cold Applied Mod Bit Adhesive" or Alco Products LLC "SBS Modified Bitumen Adhesive No. 269" at 1 to 1-1/2 gal./100-ft.^{2}.

Membrane: — "Elastoflex G S6 FR", "Polyflex G FR", "Modibond G FR", "XtraFlex APP G FR" (sand-backed) "XtraFlex APP Dual" or Duflex G FR" (sand-backed), adhered with "Polyplus 35", "PG350", "PG350 Low VOC", "XtraFlex Cold Applied Mod Bit Adhesive" or Alco Products LLC "SBS Modified Bitumen Adhesive No. 269" at 1 to 1-1/2 gal./100-ft.^{2}.

39. **Deck:** C-15/32 **Incline:** 1/2

Base Sheet: — Type G2, mechanically fastened.

Ply Sheet: — Type G2, hot mopped.

Membrane: — "TPOFLEX G FR", heat fused.

40. **Deck:** C-15/32 **Incline:** 1

Base Sheet: — Type G2, mechanically fastened.

Ply Sheet: — "Duflex", hot mopped.

Membrane: — "TPOFLEX G FR", heat fused.

41. **Deck:** C-15/32 **Incline:** 1/2

Insulation: — Polyisocyanurate, perlite, wood fiber or polyisocyanurate/perlite, any thickness.

Base Sheet: — "Polyflex", hot mopped.

Membrane: — "TPOFLEX G FR", heat fused.

42. **Deck:** NC **Incline:** 3

Insulation (Optional): — Any UL Classified polyisocyanurate, any thickness, mechanically fastened.

Base Sheet: — "Elastoflex SA V FR Base", (self-adhered).

Membrane: — "PolyKool SA R" or "Polyreflect", (self-adhered).

43. **Deck:** C-15/32 **Incline:** 1-1/2

Base Sheet: — Type G2, mechanically fastened

Ply Sheet: — "Elastoflex SA V FR Base", (self-adhered).

Membrane: — "PolyKool SA R" or "Polyreflect", (self-adhered).

44. **Deck:** C-15/32 **Incline:** 1/2

Insulation: — Polyisocyanurate (2-in. thick minimum), Glass fiber (15/16-in. thick minimum), perlite/polyisocyanurate composite, perlite/urethane composite (2-in. thick minimum).

Base Sheet: — One or more plies "Duflex" or "Polyflex" (heat fused or mechanically fastened), "Elastobase V", "Elastoflex V", "Elastoflex V HP" or Type G2 base sheet (hot mopped or mechanically fastened).

Ply Sheet (Optional): — One or more plies "Duflex" or "Polyflex" (heat fused), "Elastobase V", "Elastoflex V", "Elastoflex V HP", "Elastoflex V-C" or Type G2 base sheet (hot mopped or mechanically fastened).

Membrane: — "Polyflex G FR" or "Modibond G FR", heat fused.

45. **Deck:** C-15/32 **Incline:** 1/2

Barrier Board: — Minimum 1/2 in. thick gypsum board or minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCKTM Roof Board Type FRX-G" are used directly over the combustible roof deck with all butt joints staggered a minimum of 6-in. from plywood roof deck joints.

Base Sheet (Optional): — Type G2 Base sheet, mechanically fastened.

Ply Sheet: — "Elastoflex SA V FR Base", (self-adhered).

Membrane: — "PolyKool SA R" or "Polyreflect", (self-adhered).

46. **Deck:** NC **Incline:** 1/2

Insulation (Optional): — Polyisocyanurate, Glass fiber, perlite/polyisocyanurate composite, perlite/urethane composite, any thickness.

Base Sheet: — One or more plies "Duflex" or "Polyflex", heat fused or mechanically fastened; or one or more plies "Elastobase V", "Elastovent", "Elastoflex V HP", "Elastoflex V", "XtraFlex SBS Glass Interply" or Type G2, hot mopped or mechanically fastened.

Ply Sheet (Optional): — One or more plies "Duflex" or "Polyflex", heat fused; or one or more plies "Elastobase V", "Elastovent", "Elastoflex V", "Elastoflex V HP", "Elastoflex V-C" or Type G2, hot mopped or mechanically fastened.

Membrane: — "Polyflex G FR" or "Modibond G FR", heat fused.

47. **Deck:** C-15/32 **Incline:** 1/2

Insulation: — Polyisocyanurate (2-in. thick minimum), Glass fiber (15/16-in. thick minimum), perlite/polyisocyanurate composite, perlite/urethane composite (2-in. thick minimum).

Barrier Board: — Minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard", United States Gypsum Co. "SECUROCK® Glass-Mat Roof Board" (Type SGMRX), National Gypsum "DEXcell Glass Mat Roof Board" or "DEXcell FV Glass Mat Roof Board" mechanically fastened with all butt joints staggered a minimum of 6-in. from the plywood roof deck joints.

Base Sheet: — "Elastoflex S6", "XtraFlex SBS POLY Base", "Elastoflex P-C" (heat fused or mechanically fastened).

Ply Sheet: — "Elastoflex S6", "XtraFlex SBS POLY Base", "Elastoflex P-C" (heat fused or mechanically fastened).

Membrane: — "Elastoflex S6 G FR", "Elastoflex S6 G-C FR" or "Polyfresko G SBS FR", (heat fused).

48. **Deck:** NC **Incline:** 1

Insulation (Optional): — Polyisocyanurate, perlite, wood fiber or polyisocyanurate/perlite board, any thickness.

Base Sheet: — "Elastobase V", mechanically fastened or "Polyflex SA Base", "Elastoflex SA V Plus FR", "Elastoflex SA V FR" or "Elastoflex SA V FR Base Vent" (self-adhered)

Ply Sheet (Optional): — "Elastobase V", heat fused or mechanically fastened, or "Elastoflex SA V Plus FR", "Elastoflex SA V FR" or "Elastoflex SA V FR Base Vent", (self-adhered).

Membrane: — "Polyflex SA P FR", "Polyfresko G SA FR", "Elastoflex SA P FR", "Polyfresko G SBS SA FR", "Elastoflex SA V FR HT", (self-adhered) or "Polyflex G FR", "Modibond G FR", "XtraFlex APP G FR", "Polyfresko G FR", "Duflex G FR", "XtraFlex APP Dual", "Elastoflex S6 G FR", "Polyfresko G SBS FR", "Elastoflex VG FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or "Elastoshield TS G FR", heat fused.

49. **Deck:** C-15/32 **Incline:** 2

Insulation (Optional): — Polyisocyanurate, perlite, wood fiber or polyisocyanurate/perlite board, any thickness.

Base Sheet: — "Elastobase V" or "Elastovent", mechanically fastened; or "Elastoflex SA V FR" or "Elastoflex SA V Plus FR", self-adhered.

Ply Sheet (Optional): — "Elastoflex SA V Plus FR", "Elastoflex SA V FR" or "Elastoflex SA V FR Base Vent", self-adhered.

Membrane: — "Polyflex SA P FR", "Polyfresko G SA FR", "Elastoflex SA P FR" or "Polyfresko G SBS SA FR", self-adhered; or "Duflex G FR", "XtraFlex APP Dual", "Polyflex G FR", "Modibond G FR", "XtraFlex APP G FR", "Elastoflex S6 G FR", "Polyfresko G SBS FR", "Elastoflex VG FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or "Elastoshield TS G FR", heat fused.

50. **Deck:** NC **Incline:** 1/2

Insulation: — Polyisocyanurate (2 in. thick minimum), Glass fiber (15/16 in. thick minimum), perlite/polyisocyanurate composite, perlite/urethane composite (2 in. min).

Barrier Board (optional): — Minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard", "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4 in. thick United States Gypsum Co. SECUROCK® Glass-Mat Roof Board (Type SGMRX), National Gypsum "DEXcell Glass Mat Roof Board" or "DEXcell FV Glass Mat R, mechanically fastened.

Base Sheet: — "Elastoflex V", "Elastoflex V HP", "Elastoshield HT", "Elastoshield TS", "Elastoflex S6", "XtraFlex SBS POLY Base", "Elastoflex P-C" (heat fused or mechanically fastened).

Membrane: — "Elastoflex V G", Elastoflex V G FR", "Elastoshield TS G FR", "Elastoflex S6 G", "Elastoflex S6 G FR", "Elastoflex S6 G-C" or "Polyfresko G SBS", (heat fused).

51. **Deck:** C-15/32 **Incline:** 1/2

Insulation: — Polyisocyanurate (2 in. thick minimum), Glass fiber (15/16 in. thick minimum), perlite/polyisocyanurate composite, perlite/urethane composite (2-in. minimum). Mechanically attached, hot asphalt adhered or foam adhered.

Barrier Board: — Minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard, DensDeck Prime®, or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G)" or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) hot asphalt adhered or foam adhered.

Base Sheet: — "Elastoflex V", "Elastoflex V HP", "Elastoshield HT" ,"Elastoshield TS", "Elastoflex S6", "XtraFlex SBS POLY Base", "Elastoflex P-C" hot mopped or torch applied.

Membrane: — "Elastoflex V G", Elastoflex V G FR", "Elastoshield TS G FR", "Elastoflex S6 G", "Elastoflex S6 G FR", "Elastoflex S6 G-C" or "Polyfresko G SBS", (heat fused).

52. **Deck:** NC **Incline:** 1 **Impact:** 4

Base Sheet: — "Elastobase V", mechanically fastened or "Polyflex SA Base", "Elastoflex SA V Plus FR", "Elastoflex SA V FR" or "Elastoflex SA V FR Base Vent" (self-adhered)

Ply Sheet (Optional): — "Elastobase V", heat fused or mechanically fastened or "Elastoflex SA V Plus FR", "Elastoflex SA V FR" or "Elastoflex SA V FR Base Vent" (self-adhered).

Membrane: — "Polyflex SA P FR", "Polyfresko G SA FR", "Elastoflex SA P FR", "Polyfresko G SBS SA P FR", "Elastoflex SA V FR HT", (self-adhered) or "Polyflex G FR", "Modibond G FR", "XtraFlex G HP", "XtraFlex G FR", "Polyfresko G FR", "Duflex G FR", "XtraFlex Dual", "Elastoflex S6 G FR", "Polyfresko G SBS FR", "Elastoflex VG FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or "Elastoshield TS G FR" heat fused.

53. **Deck:** C-15/32 **Incline:** 2 **Impact:** 4

Base Sheet: — "Elastobase V" or "Elastovent" mechanically fastened; or "Elastoflex SA V FR" self-adhered.

Ply Sheet (Optional): — "Elastoflex SA V Plus FR", "Elastoflex SA V FR" or "Elastoflex SA V FR Base Vent", self-adhered.

Membrane: — "Polyflex SA P FR", "Polyfresko G SA FR", "Elastoflex SA P FR" or "Polyfresko G SBS SA FR" self-adhered; or "Duflex G FR", "XtraFlex Dual", "Polyflex G FR", "Modibond G FR", "XtraFlex G HP", "XtraFlex G FR", "Elastoflex S6 G FR", "Polyfresko G SBS FR", "Elastoflex VG FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or "Elastoshield TS G FR" heat fused.

54. **Deck:** C-15/32 **Incline:** Unlimited **Impact:** 4

Base Sheet: — "Elastobase V" or "Elastovent", mechanically fastened.

Membrane: — "SOAR" (Full Width), self-adhered.

55. **Deck:** C-15/32 **Incline:** Unlimited **Impact:** 4

Underlayment: — Any UL Classified underlayment or "Polyanchor", installed per manufacturer's installation instructions.

Membrane: — "SOAR" (Half Lap), self-adhered.

56. **Deck:** NC **Incline:** 2 **Impact:** 4

Base Sheet: — "Elastobase V", "XtraFlex SBS Glass Base"(poly/sand), heat fused or mechanically fastened or "Elastoflex SA V FR", "Elastoflex SA V Plus FR" or "Elastoflex SA V FR Base Vent", (self-adhered).

Membrane: — "Polyflex SA P FR", "Polyfresko G SA FR", "Elastoflex SA P FR", "Polyfresko G SBS SA FR", "Elastoflex SA V FR HT", (self-adhered) or "Polyflex G FR", "Modibond G FR", "XtraFlex APP G HP", "XtraFlex APP G FR", "Polyfresko G FR", "XtraFlex APP Dual", "Duflex G FR", "Elastoflex S6 G FR", "Polyfresko G SBS FR", "Elastoflex VG FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or " Elastoshield TS G FR", heat fused.

57. **Deck:** NC **Incline:** 1 **Impact:** 4

Insulation (Optional): — Polyisocyanurate, any thickness.

Barrier Board: — Minimum 1/2 in. thick gypsum board or minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCKTM Roof Board Type FRX-G".

Base Sheet (Optional): — "Elastoflex SA V", "Elastoflex SA V Polar Base", "Elastoflex SA V Plus", "Elastobase SA" or "Elastoflex SA Base Plus", self-adhered or "Elastobase V", "XtraFlex SBS Glass Base" (poly/sand), or “Elastoflex VP Ultra”, mechanically fastened.

Membrane: — "Polyflex SA P", "XtraFlex APP G SA" "XtraFlex Kool APP G SA", or "Polyfresko G SA P" self-adhered; or "Polyflex G FR", "Modibond G FR" heat fused.

58. **Deck:** NC **Incline:** 3

Insulation (Optional): — UL Classified perlite, wood fiber, Glass fiber, polyisocyanurate, polyisocyanurate/composite, EPS/wood fiber, EPS/perlite or EPS/composite, any thickness.

Barrier Board: — Minimum 1/2 in. thick United States Gypsum Co. "SECUROCK Cement Roof Board Type DCB"

Membrane: — "Polyflex SA P FR", "Polyfresko G SA FR", "Elastoflex SA P FR", "Polyfresko G SBS SA FR" (self-adhered) or "Polyfresko G SBS FR", heat fused.

59. **Deck:** NC **Incline:** 1

Insulation (Optional): — Any UL Classified Polyisocyanurate insulation, any thickness.
Barrier Board (Optional): Minimum ½ in. thick gypsum board or minimum ¼ in thick Georgia-Pacific Gypsum LLC “DensDeck Roofboard” or “DensDeck Prime Roofboard” or “DensDeck DuraGuard Roofboard”, United States Gypsum Co. “SECUROCK Glass-Mat Roofboard” (Type SCMRX), National Gypsum “DEXcell Glass Mat Roof Board” or “DEXcell FV Glass Mat Roof Board” or minimum ½ in thick “Polytherm HD” or “Polytherm HD Composite CG” high-density polyisocyanurate board mechanically fastened with all butt joints staggered a minimum of 6-in. from the plywood roof deck joints.
Base Sheet: — “Modifleece”, adhered in any UL Classified low-rise foam.
Ply Sheet (Optional): — “Elastoflex S6” or “Polyflex”, torch applied.
Membrane: — “Elastoflex S6 G FR”, “Polyflex G FR”, Polyfresko G FR” or “Polyfresko G SBS FR” torch applied.

60. **Deck:** NC **Incline:** 1

Insulation (Optional): — Any UL Classified Polyisocyanurate insulation, any thickness.
Barrier Board (Optional): Minimum ½ in. thick gypsum board or minimum ¼ in thick Georgia-Pacific Gypsum LLC

“DensDeck Roofboard” or “DensDeck Prime Roofboard” or “DensDeck DuraGuard Roofboard”, United States Gypsum Co. “SECUROCK Glass-Mat Roofboard” (Type SCMRX), National Gypsum “DEXcell Glass Mat Roof Board” or “DEXcell FV Glass Mat Roof Board” or minimum ½ in thick “Polytherm HD” or “Polytherm HD Composite CG” high-density polyisocyanurate board mechanically fastened with all butt joints staggered a minimum of 6-in. from the plywood roof deck joints.
Base Sheet: — “Modifleece”, adhered in any UL Classified low-rise foam.
Ply Sheet (Optional): — “Elastoflex SA V FR” or “Elastoflex SA V Plus FR”, self-adhered.
Membrane: — “Elastoflex SA P FR”, “Polyflex SA P FR”, Polyfresko G SA FR” or “Polyfresko G SBS SA FR”, self-adhered.

61. **Deck:** NC **Incline:** 1/2

Insulation (Optional): — Polyisocyanurate, Glass fiber, perlite/polyisocyanurate composite, perlite/urethane composite, any thickness.
Base Sheet: One or more plies Elastoflex SA V, Elastoflex SA V FR, Elastoflex SA V Plus, Elastoflex SA V Plus FR, Elastoflex SA Polar Base, Elastoflex SA Base, Elastobase SA, or Elastoflex SA Base Plus, self-adhered.
Ply Sheet: — One or more plies "Polyflex" or “Elastoflex S6”, heat fused or mechanically fastened.
Membrane: — "Polyflex G FR", "Modibond G FR" or “Elastoflex S6 G FR”, heat fused.

62. **Deck:** NC **Incline:** 1/2

Insulation (Optional): — Polyisocyanurate, Glass fiber, perlite or wood fiberboard any thickness, any combination, mechanically fastened or hot mopped or adhered with adhesive.

Barrier Board: — Minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or United States Gypsum “SECUROCK Gypsum-Fiber Roof Board” or National Gypsum “DEXcell FA Glass Mat Roof Board” with all butt joints staggered a minimum of 6-in. from the plywood roof deck joints.

Ply Sheet (Optional): — Type G2, "Elastobase V", "Elastovent", "XtraFlex SBS Glass Base", "Modibase", "Elastoflex V", "Elastoflex V HP", "Elastoflex S6", "XtraFlex SBS POLY Base", "Polyflex" or "Duflex" adhered with "Polyplus 35", "PG350", "PG350 Low VOC", "XtraFlex Cold Applied Mod Bit Adhesive" or Alco Products LLC "SBS Modified Bitumen Adhesive No. 269" at 1 to 1-1/2 gal./100-ft.^{2}

Membrane: — "Elastoflex G S6 FR", "Polyflex G FR", "Modibond G FR", "XtraFlex APP G FR" (sand-backed), "XtraFlex APP Dual" or Duflex G FR" (sand-backed), adhered with "Polyplus 35", "PG350", "PG350 Low VOC", "XtraFlex Cold Applied Mod Bit Adhesive" or Alco Products LLC "SBS Modified Bitumen Adhesive No. 269" at 1 to 1-1/2 gal./100-ft.^{2}

63. **Deck:** C-15/32 **Incline:** 2

Barrier Board (Optional): — Minimum ¼-in. thick National Gypsum "DEXcell FA Glass Mat Roof Board” or “DEXcell Glass Mat Roof Board”, or Georgia-Pacific Gypsum LLC "DensDeck Prime® Roofboard", United States Gypsum Co. "SECUROCK® Brand Gypsum-Fiber Roof Board” (Type FRX-G) or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) or 5/8-in. thick Georgia-Pacific Gypsum LLC "DensDeck Prime® STORMX™ Roofboard", mechanically fastened, foam adhered or loose laid.

Vapor Barrier (Optional): — “PolyVap SA S” or “PolyVap SA”, self-adhered.

Insulation (Optional): — Atlas Roofing Corp. “ACFoam-II”, “ACFoam-III” or Hunter Panels “H-Shield”, “H-Shield GC” or “Polytherm”, “Polytherm G” or “Polytherm-H”, mechanically fastened, loose laid or ribbon adhered with “Polyset CR-20” applied in 2.5 – 3.5in wide ribbons or H.B Fuller “Millennium One Step Foamable Adhesive”, “Millennium PG-1 Pump Grade Adhesive”, “Millennium PG-1 EF ECO” or OMG Inc. “Olybond 500” applied in 0.75 – 1.0in wide ribbons spaced 12in o.c..

Cover Board: — Minimum 3/8-in. thick United States Gypsum Co. “SECUROCK Gypsum-Fiber Roof Board” (Type FRX-G) or minimum 1/4 -in Georgia-Pacific Gypsum LLC "DensDeck Prime® Roofboard", mechanically fastened or foam adhered with all butt joints staggered a minimum of 6 in. from the plywood deck joint.

Base Ply: —"Elastoflex S6", "Elastoflex V 2.2" or "Elastoflex V HP" adhered with "PG350LV" or "PG SFA" at a rate of 1.5-2.0 gal/sq.

(Optional) Ply: —"Elastoflex S6", "Elastoflex V 2.2" or "Elastoflex V HP" adhered with "PG350LV" or "PG SFA" at a rate of 1.5-2.0 gal/sq.

Cap Ply: —"Elastoflex S6 G FR", "Elastoflex V G FR" or "Elastoflex V G HP FR" adhered with "PG350LV" or "PG SFA" at a rate of 1.5-2.0 gal/sq.

64. **Deck:** NC **Incline:** 2

Barrier Board (Optional): — Minimum ¼-in. thick National Gypsum "DEXcell FA Glass Mat Roof Board" or "DEXcell Glass Mat Roof Board", or Georgia-Pacific Gypsum LLC "DensDeck Prime® Roofboard", United States Gypsum Co. "SECUROCK® Brand Gypsum-Fiber Roof Board" (Type FRX-G) or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) or 5/8-in. thick Georgia-Pacific Gypsum LLC "DensDeck Prime® STORMX™ Roofboard", mechanically fastened, foam adhered or loose laid.

Vapor Barrier (Optional): — "PolyVap SA S" or "PolyVap SA", self-adhered.

Insulation (Optional): — Atlas Roofing Corp. "ACFoam-II", "ACFoam-III" or Hunter Panels "H-Shield", "H-Shield GC" or "Polytherm", "Polytherm G" or "Polytherm-H", mechanically fastened, loose laid or ribbon adhered with "Polyset CR-20" applied in 2.5 – 3.5in wide ribbons or H.B Fuller "Millennium One Step Foamable Adhesive", "Millennium PG-1 Pump Grade Adhesive", "Millennium PG-1 EF ECO" or OMG Inc. "Olybond 500" applied in 0.75 – 1.0in wide ribbons spaced 12in o.c..

Cover Board: — Minimum 1/4-in. thick United States Gypsum Co. "SECUROCK Gypsum-Fiber Roof Board" (Type FRX-G) or minimum 1/4 -in Georgia-Pacific Gypsum LLC "DensDeck Prime® Roofboard", mechanically fastened or foam adhered.

Base Ply: —"Elastoflex S6", "Elastoflex V 2.2" or "Elastoflex V HP" adhered with "PG350LV" or "PG SFA" at a rate of 1.5-2.0 gal/sq.

(Optional) Ply: — "Elastoflex S6", "Elastoflex V 2.2" or "Elastoflex V HP" adhered with "PG350LV" or "PG SFA" at a rate of 1.5-2.0 gal/sq.

Cap Ply: —"Elastoflex S6 G FR", "Elastoflex V G FR" or "Elastoflex V G HP FR" adhered with "PG350LV" or "PG SFA" at a rate of 1.5-2.0 gal/sq.

65. **Deck:** C-15/32 **Incline:** ½

Base Sheet: — Type G2 base, mechanically attached.

Insulation: — Any UL Classified Polyisocyanurate, Minimum 1-1/2 inch thick, adhered in hot asphalt.

Ply Sheet: — GAF "GAFGLAS Stratavent Perforated Base Sheet", loose laid.

Ply Sheet: — Elastobase V, applied in hot asphalt.

Cap Sheet: — Elastoflex S6 G FR, Elastoflex V G FR, Polyfresko G SBS FR, applied in hot asphalt.

66. **Deck:** NC **Incline:** 2

Barrier Board (Optional): — Minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard", United States Gypsum Co. "SECUROCK® Glass-Mat Roof Board" (Type SGMRX), National Gypsum "DEXcell Glass Mat Roof Board" or "DEXcell FV Glass Mat Roof Board" mechanically fastened, adhered, or loose-laid with all butt joints staggered a minimum of 6-in. from the plywood roof deck joints

Insulation (Optional): — Polyisocyanurate, any thickness.

Cover Board (Optional): — “Polyboard E”, mechanically fastened or adhered

Base Sheet: — "Elastobase V", heat fused or mechanically fastened or "Elastoflex SA V FR", "Elastoflex SA V Plus FR" or "Elastoflex SA V FR Base Vent", (self-adhered).

Membrane: — "Polyflex SA P FR", "Polyfresko G SA FR", "Elastoflex SA P FR", "Polyfresko G SBS SA FR", "Elastoflex SA V FR HT", (self-adhered) or "Polyflex G FR", "Modibond G FR", "Polyfresko G FR", "Duflex G FR", "Elastoflex S6 G FR", "Polyfresko G SBS FR", "Elastoflex VG FR" or " Elastoshield TS G FR", heat fused.

67. **Deck:** C-15/32 **Incline:** 2

Barrier Board: — Minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard", United States Gypsum Co. "SECUROCK® Glass-Mat Roof Board" (Type SGMRX), National Gypsum "DEXcell Glass Mat Roof Board" or "DEXcell FV Glass Mat Roof Board" mechanically fastened, adhered, or loose-laid with all butt joints staggered a minimum of 6-in. from the plywood roof deck joints

Insulation (Optional): — Polyisocyanurate, any thickness.

Cover Board (Optional): — “Polyboard E”, mechanically fastened or adhered

Base Sheet: — "Elastobase V", heat fused or mechanically fastened or "Elastoflex SA V FR", "Elastoflex SA V Plus FR" or "Elastoflex SA V FR Base Vent", (self-adhered).

Membrane: — "Polyflex SA P FR", "Polyfresko G SA FR", "Elastoflex SA P FR", "Polyfresko G SBS SA FR", "Elastoflex SA V FR HT", (self-adhered) or "Polyflex G FR", "Modibond G FR", "Polyfresko G FR", "Duflex G FR", "Elastoflex S6 G FR", "Polyfresko G SBS FR", "Elastoflex VG FR" or " Elastoshield TS G FR", heat fused.

Class B - Fully Adhered

1. **Deck:** C-15/32 **Incline:** 1/4 **Impact:** 4

Base Sheet: — Two or more plies "Duflex" or "Polyflex", mechanically fastened or heat fused; or two or more plies "Elastobase V" or "Elastovent" or GAF "GAFGLAS #75", Johns Manville "GLASBASE" or Celotex "Vaporbar GB", mechanically fastened or hot mopped.

Membrane: — "Duflex", "Duflex G" or "Polyflex G" (modified bitumen), heat welded.

2. **Deck:** C-15/32 **Incline:** 1/2

Insulation (Optional): — UL Classified perlite, wood fiber, Glass fiber, polyisocyanurate, polyisocyanurate/composite, EPS/wood fiber, EPS/perlite or EPS/composite roof insulation, any thickness.

Base Sheet: — One or more plies Type G1 or Type G2.

Membrane: — One or more plies "Polyflex G FR", "Modibond G FR", "XtraFlex APP G FR", "Polyfresko G FR", "Polybond", "Polybond G", "Polyflex" or "Polyflex G" (modified bitumen), heat fused.

Surfacing: — "PG 800 Asphalt Emulsion Roof Coating" applied at 3 to 4-gal./100-ft.^{2}.; or Fields "F530 Heat Shield Aluminum Coating" or "F630 Heat Shield Fibered Aluminum Coating" applied at 1-1/2 gal./100-ft.^{2}; or Monsey Products "Endure Aluminum Roof Coating", "Weather Check" or "Pro-Grade Aluminum Roof Coating" applied at 1-1/2 gal./100-ft.^{2}; or Brewer Co "Fortress 5001 Asphalt Emulsion" applied at 4-gal./100-ft.^{2}, followed by "PolyPlus 60", applied at 3/4 to 1-gal./100-ft^2.

3. **Deck:** C-15/32 **Incline:** 1-1/2 **Impact:** 4

Base Sheet: — Type G2, "Elastobase V" or "Elastovent", mechanically fastened.

Ply Sheet: — "Polybase V", heat fused.

Membrane: — "Polyflex G FR", "Modibond G FR", "XtraFlex APP G FR" or "Polyfresko G FR" (modified bitumen), heat fused.

4. **Deck:** C-15/32 **Incline:** 1-1/2

Insulation: — Glass fiber (15/16-in. thick minimum), mechanically fastened.

Base Sheet: — Type G2, "Elastobase V" or "Elastovent", hot mopped or mechanically fastened

Membrane: — "Polyflex G FR", "Modibond G FR", "XtraFlex APP G FR" or "Polyfresko G FR" (modified bitumen), heat fused.

5. **Deck:** C-15/32 **Incline:** 1/2 **Impact:** 4

Base Sheet: — Type G2, mechanically fastened.

Membrane: — "Polyflex G" or "Polybond G", heat fused.

6. **Deck:** NC **Incline:** 1

Insulation (Optional): — Polyisocyanurate, any thickness.

Base Sheet (Optional): — "Elastoflex SA V Plus", "Elastoflex SA V", "Elastoflex SA V Polar Base", "Elastobase SA" or "Elastoflex SA Base Plus", self-adhered; or "Elastobase V", "Elastovent", or “Elastoflex VP Ultra”, mechanically fastened.

Ply Sheet (Optional): — "Polyflex", heat fused.

Membrane: — "Polyflex SA P", "XtraFlex APP G SA", "Polyfresko G SA", "XtraFlex Kool APP G SA", "Elastoflex SA P", "Elastoflex SA P Polar Cap", "XtraFlex SBS G SA" or "Polyfresko G SBS SA P", self-adhered; or "Polyflex G", heat fused.

7. **Deck:** C-15/32 **Incline:** 1 /2 **Impact:** 4

Insulation (Optional): — Polyisocyanurate, any thickness.

Barrier Board: — Minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" mechanically fastened.

Base Sheet: — "Elastobase V" or "Elastovent", mechanically fastened.

Ply Sheet (Optional): — "Elastoflex SA V Plus", "Elastoflex SA V", "Elastoflex SA V Polar Base", "Elastobase SA" or "Elastoflex SA Base Plus", self-adhered.

Membrane: — "Polyflex SA P", "XtraFlex APP G SA", "Polyfresko G SA", "XtraFlex Kool APP G SA", "Elastoflex SA P", "Elastoflex SA V Polar Base", "XtraFlex SBS G SA" or "Polyfresko G SBS SA P", self-adhered; or "Polyflex G", heat fused.

8. **Deck:** C-15/32 **Incline:** 1/4

Base Sheet (Optional): — "Elastobase V", "Elastovent" or "PolyAnchor", mechanically fastened.

Ply Sheet: — "Elastoflex SA V Plus", "Elastoflex SA V", "Elastoflex SA V Polar Base", "Elastobase SA" or "Elastoflex SA Base Plus", self-adhered; or "Elastobase V" or "Elastovent", mechanically fastened.

Membrane: — "Polyflex SA P", "XtraFlex APP G SA", "Polyfresko G SA P", "XtraFlex Kool APP G SA", "Elastoflex SA P", "Elastoflex SA P Polar Cap", "XtraFlex SBS G SA" or "Polyfresko G SBS SA P", self-adhered; or "Polyflex G", heat fused.

9. **Deck:** NC **Incline:** 1

Insulation: — Any UL Classified, any thickness.

Barrier Board: — Minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G).

Base Sheet (Optional): — "Elastoflex SA V Plus", "Elastoflex SA V", "Elastoflex SA V Polar Base", "Elastobase SA" or "Elastoflex SA Base Plus", self-adhered; or "Elastobase V", "Elastovent", "XtraFlex SBS Glass Base" (poly/sand), or “Elastoflex VP Ultra”, mechanically fastened.

Ply Sheet (Optional): — "Polyflex", heat fused.

Membrane: — "Polyflex SA P", "XtraFlex APP G SA", "Polyfresko G SA P", "XtraFlex Kool APP G SA", "Elastoflex SA P", "Elastoflex SA P Polar Cap", "XtraFlex SBS G SA" or "Polyfresko G SBS SA P", self-adhered; or "Polyflex G", heat fused.

10. **Deck:** C-15/32 **Incline:** 2 **Impact:** 4

Insulation (Optional): — Polyisocyanurate, perlite, wood fiber or polyisocyanurate/perlite board, any thickness.

Barrier Board: — Minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" mechanically fastened with all butt joints staggered a minimum of 6-in. from the plywood roof deck joints.

Base Sheet: — "Elastobase V" or "Elastovent", mechanically fastened, heat fused or hot mopped.

Ply Sheet (Optional): — "Elastobase V" or "Elastovent", mechanically fastened, heat fused or hot mopped.

Membrane: — "Polyflex SA P FR", "Polyfresko G SA FR", "Elastoflex SA P FR", "Polyfresko G SBS SA FR" or "Elastoflex SA V FR HT", (self-adhered); or "Polyflex G FR", "Modibond G FR", "XtraFlex APP G FR", "Polyfresko G FR", "Duflex G FR", "XtraFlex APP Dual", "Elastoflex S6 G FR", "Polyfresko G SBS FR", "Elastoshield TS G FR", "XtraFlex SBS POLY G" or "XtraFlex SBS POLY G T", heat fused or hot mopped.

Class C - Fully Adhered

1. **Deck:** C-15/32 **Incline:** 2 **Impact:** 4

Base Sheet: — Johns Manville "Perma Ply IV" (Type G2).

Membrane: — "Polybond G", "Polyflex G", "Polyfresko G FR", "XtraFlex APP G FR", "Polyflex G FR", "Modibond G FR" (modified bitumen), heat welded.

2. **Deck:** C-15/32 **Incline:** 2 **Impact:** 4

Base Sheet: — "PolyAnchor", "Elastobase V", "Elastovent" or Type G2, mechanically fastened.

Membrane: — "Polyflex SA P", "XtraFlex APP G SA", "Polyfresko G SA P", "XtraFlex Kool APP G SA", "Elastoflex SA P", "Elastoflex SA P Polar Cap", "XtraFlex SBS G SA" or "Polyfresko G SBS SA P", self-adhered.

3. **Deck:** C-15/32 **Incline:** 5

Base Sheet: — "Elastobase V" or "Elastovent" mechanically fastened.
Ply Sheet (Optional): — "Elastoflex SA V Plus", "Elastoflex SA V", "Elastoflex SA V Polar Base", "Elastobase SA" or "Elastoflex

SA Base Plus", self-adhered; or "Elastobase V" or "Elastovent", mechanically fastened.
Membrane: — "Polyflex SA P", "XtraFlex APP G SA", "Polyfresko G SA P", "XtraFlex Kool APP G SA", "Elastoflex SA P", "Elastoflex SA P Polar Cap", "XtraFlex SBS G SA" or "Polyfresko G SBS SA P", self-adhered; or "Polyflex G", heat fused.

4. **Deck:** C-15/32 **Incline:** Unlimited

Barrier Board: Minimum ¼-in. thick National Gypsum "DEXcell FA Glass Mat Roof Board" or "DEXcell Glass Mat Roof Board", or Georgia-Pacific Gypsum LLC "DensDeck Prime® Roofboard", United States Gypsum Co. "SECUROCK® Brand Gypsum-Fiber Roof Board" (Type FRX-G) or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) or 5/8-in. thick Georgia-Pacific Gypsum LLC "DensDeck Prime® STORMX™ Roofboard", mechanically fastened, foam adhered or loose laid.

Vapor Barrier (Optional): "PolyVap SA S" or "PolyVap SA", self-adhered.

Insulation (Optional): Atlas Roofing Corp. "ACFoam-II", "ACFoam-III" or Hunter Panels "H-Shield", "H-Shield GC" or "Polytherm", "Polytherm G" or "Polytherm-H", mechanically fastened, loose laid or ribbon adhered with "Polyset CR-20" applied in 2.5 – 3.5in wide ribbons or H.B Fuller "Millennium One Step Foamable Adhesive", "Millennium PG-1 Pump Grade Adhesive", "Millennium PG-1 EF ECO" or OMG Inc. "Olybond 500" applied in 0.75 – 1.0in wide ribbons spaced 12in o.c..

Cover Board: Minimum 3/8-in. thick United States Gypsum Co. "SECUROCK Gypsum-Fiber Roof Board" (Type FRX-G) or minimum 1/4 -in Georgia-Pacific Gypsum LLC "DensDeck Prime® Roofboard", mechanically fastened or foam adhered with all butt joints staggered a minimum of 6 in. from the plywood deck joint.

Base Ply: "Elastoflex V 2.2" adhered with "PG 350 LV" at a rate of 1.5-2.0 gal/sq.

(Optional) Ply: "Elastoflex V 2.2" adhered with "PG 350 LV" at a rate of 1.5-2.0 gal/sq.

Cap Ply: "Elastoflex V G" adhered with "PG 350 LV" at a rate of 1.5-2.0 gal/sq.

5. **Deck:** NC **Incline:** Unlimited

Barrier Board: Minimum ¼-in. thick National Gypsum "DEXcell FA Glass Mat Roof Board" or "DEXcell Glass Mat Roof Board", or Georgia-Pacific Gypsum LLC "DensDeck Prime® Roofboard", United States Gypsum Co. "SECUROCK® Brand Gypsum-Fiber Roof Board" (Type FRX-G) or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) or 5/8-in. thick Georgia-Pacific Gypsum LLC "DensDeck Prime® STORMX™ Roofboard", mechanically fastened, foam adhered or loose laid.

Vapor Barrier (Optional): "PolyVap SA S" or "PolyVap SA", self-adhered.

Insulation (Optional): Atlas Roofing Corp. "ACFoam-II", "ACFoam-III" or Hunter Panels "H-Shield", "H-Shield GC" or "Polytherm", "Polytherm G" or "Polytherm-H", mechanically fastened, loose laid or ribbon adhered with "Polyset CR-20" applied in 2.5 – 3.5in wide ribbons or H.B Fuller "Millennium One Step Foamable Adhesive", "Millennium PG-1 Pump Grade Adhesive", "Millennium PG-1 EF ECO" or OMG Inc. "Olybond 500" applied in 0.75 – 1.0in wide ribbons spaced 12in o.c..

Cover Board: Minimum 1/4-in. thick United States Gypsum Co. "SECUROCK Gypsum-Fiber Roof Board" (Type FRX-G) or minimum 1/4 -in Georgia-Pacific Gypsum LLC "DensDeck Prime® Roofboard", mechanically fastened or foam adhered with all butt joints staggered a minimum of 6 in. from the plywood deck joint.

Base Ply: "Elastoflex V 2.2" adhered with "PG 350 LV" at a rate of 1.5-2.0 gal/sq.

(Optional) Ply: "Elastoflex V 2.2" adhered with "PG 350 LV" at a rate of 1.5-2.0 gal/sq.

Cap Ply: "Elastoflex V G" adhered with "PG 350 LV" at a rate of 1.5-2.0 gal/sq.

6. **Deck:** C-15/32 **Incline:** 4-1/2

Barrier Board: Minimum ¼-in. thick National Gypsum "DEXcell FA Glass Mat Roof Board" or "DEXcell Glass Mat Roof Board", or Georgia-Pacific Gypsum LLC "DensDeck Prime® Roofboard", United States Gypsum Co. "SECUROCK® Brand Gypsum-Fiber Roof Board" (Type FRX-G) or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) or 5/8-in. thick Georgia-

Pacific Gypsum LLC "DensDeck Prime® STORMX™ Roofboard", mechanically fastened, foam adhered or loose laid.
Vapor Barrier (Optional): “PolyVap SA S” or “PolyVap SA”, self-adhered.
Insulation (Optional): Atlas Roofing Corp. “ACFoam-II”, “ACFoam-III” or Hunter Panels “H-Shield”, “H-Shield GC” or “Polytherm”, “Polytherm G” or “Polytherm-H”, mechanically fastened, loose laid or ribbon adhered with “Polyset CR-20” applied in 2.5 – 3.5in wide ribbons or H.B Fuller “Millennium One Step Foamable Adhesive”, “Millennium PG-1 Pump Grade Adhesive”, “Millennium PG-1 EF ECO” or OMG Inc. “Olybond 500” applied in 0.75 – 1.0in wide ribbons spaced 12in o.c..
Cover Board: Minimum 3/8-in. thick United States Gypsum Co. “SECUROCK Gypsum-Fiber Roof Board” (Type FRX-G) or minimum 1/4 -in Georgia-Pacific Gypsum LLC "DensDeck Prime® Roofboard", mechanically fastened or foam adhered with all butt joints staggered a minimum of 6 in. from the plywood deck joint.
Base Ply: “Elastoflex V 2.2” adhered with “PG SFA” at a rate of 1.5-2.0 gal/sq.
(Optional) Ply: “Elastoflex V 2.2” adhered with “PG SFA” at a rate of 1.5-2.0 gal/sq.
Cap Ply: “Elastoflex V G” adhered with “PG SFA” at a rate of 1.5-2.0 gal/sq.

7. **Deck:** NC **Incline:** 4-1/2

Barrier Board: Minimum ¼-in. thick National Gypsum "DEXcell FA Glass Mat Roof Board” or “DEXcell Glass Mat Roof Board”, or Georgia-Pacific Gypsum LLC "DensDeck Prime® Roofboard", United States Gypsum Co. "SECUROCK® Brand Gypsum-Fiber Roof Board” (Type FRX-G) or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) or 5/8-in. thick Georgia-Pacific Gypsum LLC "DensDeck Prime® STORMX™ Roofboard", mechanically fastened, foam adhered or loose laid.
Vapor Barrier (Optional): “PolyVap SA S” or “PolyVap SA”, self-adhered.
Insulation (Optional): Atlas Roofing Corp. “ACFoam-II”, “ACFoam-III” or Hunter Panels “H-Shield”, “H-Shield GC” or “Polytherm”, “Polytherm G” or “Polytherm-H”, mechanically fastened, loose laid or ribbon adhered with “Polyset CR-20” applied in 2.5 – 3.5in wide ribbons or H.B Fuller “Millennium One Step Foamable Adhesive”, “Millennium PG-1 Pump Grade Adhesive”, “Millennium PG-1 EF ECO” or OMG Inc. “Olybond 500” applied in 0.75 – 1.0in wide ribbons spaced 12in o.c..
Cover Board: Minimum 1/4-in. thick United States Gypsum Co. “SECUROCK Gypsum-Fiber Roof Board” (Type FRX-G) or minimum 1/4 -in Georgia-Pacific Gypsum LLC "DensDeck Prime® Roofboard", mechanically fastened or foam adhered with all butt joints staggered a minimum of 6 in. from the plywood deck joint.
Base Ply: “Elastoflex V 2.2” adhered with “PG SFA” at a rate of 1.5-2.0 gal/sq.
(Optional) Ply: “Elastoflex V 2.2” adhered with “PG SFA” at a rate of 1.5-2.0 gal/sq.
Cap Ply: “Elastoflex V G” adhered with “PG SFA” at a rate of 1.5-2.0 gal/sq.

MAINTENANCE AND REPAIR SYSTEMS

Class A, B and C

1. **Deck:** C-15/32 **Incline:** 1/4

Existing Roof Covering System: — (To maintain existing Class A, B or C Classification) — Any Class A, B or C, uncoated, insulated or uninsulated, modified bitumen membrane or Type G3 mineral surfaced cap BUR system.

Barrier Board (Optional): — Minimum 1/4-in. thick Georgia Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G), mechanically fastened over the existing roof covering system.

Primer: — Not UL Classified — as required by manufacturer.

Membrane: — "Elastoflex S6 G", "Elastoflex S6 G-C" or "Polyfresko G SBS" (modified bitumen), heat fused or fully adhered with hot roofing asphalt.

2. **Deck:** C-15/32 **Incline:** 1/2

Existing Roof Covering System: — (To maintain existing Class A, B or C Classification) — Any Class A, B or C, uncoated, insulated or uninsulated, modified bitumen membrane or Type G3 mineral surfaced cap BUR system.

Barrier Board (Optional): — Minimum 1/4-in. thick Georgia Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G), mechanically fastened over the existing roof covering system.

Primer: — Not UL Classified — as required by manufacturer.

Membrane: — "Elastoflex VG FR", "Elastoflex S6 G FR", "Polyfresko G SBS FR", "XtraFlex SBS POLY G", "XtraFlex SBS POLY G T", "XtraFlex SBS Glass G", "XtraFlex SBS Glass GT" or "Elastoshield TS G FR" (modified bitumen), heat fused or fully adhered with hot roofing asphalt.

3. **Deck:** C-15/32 **Incline:** 1/4

Existing Roof Covering System: — (To maintain existing Class A, B or C Classification) — Any Class A, B or C, uncoated, uninsulated, modified bitumen membrane or Type G3 mineral surfaced cap BUR system.

Barrier Board (Optional): — Minimum 1/4-in. thick Georgia Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G), mechanically fastened over the existing roof covering system.

Primer: — Not UL Classified — as required by manufacturer.

Membrane: — "Polyflex G" or "Polybond G", heat fused.

4. **Deck:** C-15/32 **Incline:** 1/2

Existing Roof Covering System: — (To maintain existing Class A, B or C Classification) — Any Class A, B or C, uncoated, insulated or uninsulated, modified bitumen membrane or Type G3 mineral surfaced cap BUR system.

Barrier Board (Optional): — Minimum 1/4-in. thick Georgia Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G), mechanically fastened over the existing roof covering system.

Primer: — Not UL Classified — as required by manufacturer.

Membrane: — "Duflex G FR", "XtraFlex APP Dual", "Polyfresko G FR", "XtraFlex APP G FR", "Polyflex G FR", "Modibond G FR" (modified bitumen), heat fused.

5. **Deck:** C-15/32 or NC **Incline:** See Note

Existing Roof System: — Any Class A, B or C roofing system, to retain the existing Classification, is covered with:
Insulation: — ”Polytherm HD”.
Membrane: — Any UL Classified membrane.

Note: Max incline shall be in accordance with Classification established for insulation/membrane roofing system, but cannot exceed 2:12. TPO membranes are limited to a 1/2:12. max. slope.

6. **Deck:** C-15/32 **Incline:** 1/2

Existing Roof System: — Class A gravel surfaced B-U-R (gravel to be maintained).
Insulation (Optional): — Polystyrene, any thickness.

Barrier Board: — Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard", or 1/4 in. thick (minimum).
Membrane: — “Mapeplan PVC” or “Mapeplan KEE”, mechanically fastened.

7. **Deck:** C-15/32 **Incline:** 1/2

Existing Roof System: — Class A, B or C carp sheet or smooth surfaced BUR roof, insulated or uninsulated and/or single ply membrane (EPDM, PVC or CPE).
Barrier Board: — Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard", 1/4 in. thick (minimum).
Membrane: —“Mapeplan PVC” or “Mapeplan KEE”, mechanically fastened.

8. **Deck:** NC **Incline:** 1/2

Existing Roof System: — Class A, B, C cap sheet or smooth surfaced BUR roof, insulated or uninsulated and/or single ply membrane (EPDM, PVC or CPE).
Insulation: — Any UL Classified polystyrene insulation, any thickness covered with Apache Products "Pyrox Whiteline", 1 in. thick min.
Membrane: — “Mapeplan PVC” or “Mapeplan KEE”, mechanically fastened.

9. **Deck:** NC **Incline:** 1/2

Existing Roof System: — Class A cap sheet or smooth surfaced BUR system (insulated or uninsulated) covered with:
Slip Sheet: — Flex Membrane "Flex FR-10", Atlas Roofing Corp. "FR-10".
Membrane: — “Mapeplan PVC” or “Mapeplan KEE”, mechanically fastened.

10. **Deck:** NC **Incline:** 1/4

Existing Roof System: — Class A, B, C cap sheet or smooth surfaced BUR roof, insulated or uninsulated and/or single ply membrane (EPDM, PVC or CPE).
Insulation: — Any UL Classified polystyrene insulation, any thickness covered with Dow Chemical "Hy-Tec" (Energy Lok), 1 in. thick min.
Membrane: — “Mapeplan PVC” or “Mapeplan KEE”, mechanically fastened.

11. **Deck:** C-15/32 **Incline:** 1/2

Existing Roof System: — Class A B-U-R (gravel maintained) covered with:
Insulation: — Wood fiberboard (1-in. thick or 2-layers 1/2 in. thick) mechanically fastened.
Membrane: — “Mapeplan PVC” or “Mapeplan KEE”, mechanically fastened.

Class A

1. **Deck:** NC **Incline:** See Note

Existing Roof System: — Class A, B or C roofing system (gravel may be removed from gravel built-up or ballasted single-ply system).
Insulation: — A minimum 3 in. layer or minimum two 1.5 in. layers of “Polytherm CG”, “Polytherm HD Composite CG”.
Membrane: — Any UL Classified roofing membrane.

Note: The maximum incline shall be in accordance with the Class A Classification established for the membrane/insulation roofing assembly, however the incline can not exceed 1/2:12.

2. **Deck:** C-15/32 **Incline:** See Note

Existing Roof System: — Class A, B or C roofing system (gravel may be removed from gravel built-up or ballasted single-ply system).
Insulation: — A minimum 3 in. layer or minimum two 1.5 in. layers of “Polytherm CG”, “Polytherm HD Composite CG”.
Membrane: — Any UL Classified roofing membrane.

Note: The maximum incline shall be in accordance with the Class A Classification established for the membrane/insulation roofing assembly, however the incline can not exceed 1/2:12.

3. **Deck:** C-15/32 **Incline:** See Note

Existing Roof System: — Class A, B or C roofing system (gravel may be removed from gravel built-up or ballasted single-ply system).
Insulation: — A minimum 2.5 in. layer or minimum two 1.5 in. layers of “Polytherm CG”, “Polytherm HD Composite CG”, over a minimum 2.5 in. layer of any UL Classified insulation (except expanded or extruded polystyrene).
Membrane: — Any UL Classified roofing membrane.

Note: The maximum incline shall be in accordance with the Class A Classification established for the membrane/insulation roofing assembly, however the incline cannot exceed 1/2:12.

4. **Deck:** NC **Incline:** 1

Existing Roof System: — Any Class A, B or C, insulated or uninsulated, modified bitumen membrane system or BUR system.
Base Sheet: — “Modifleece”, adhered with any UL Classified low-rise foam.
Membrane: — “Elastoflex S6 G FR”, “Polyflex G FR”, or “Polyfresko G FR”, torch applied.

5. **Deck:** NC **Incline:** 1

Existing Roof System: — Any Class A, B or C, insulated or uninsulated, modified bitumen membrane system or BUR system.
Base Sheet: — “Modifleece”, adhered with any UL Classified low-rise foam.
Membrane: — “Elastoflex SA P FR”, “Polyflex SA P FR”, or “Polyfresko G SA FR”, torch applied.

Class B

1. **Deck:** NC **Incline:** See Note

Existing Roof System: — Class A, B or C roofing system (gravel may be removed from gravel built-up or ballasted single-ply system).
Insulation: — A minimum 1.9 in. layer of “Polytherm CG”.
Membrane: — Any UL Classified roofing membrane.

Note: The maximum incline shall be in accordance with the Class B Classification established for the membrane/insulation roofing assembly, however the incline can not exceed 1/2:12.

2. **Deck:** C-15/32 **Incline:** See Note

Existing Roof System: — Class A, B or C roofing system (gravel may be removed from gravel built-up or ballasted single-ply system).
Insulation: — A minimum 1.9 in. layer of “Polytherm CG”.
Membrane: — Any UL Classified roofing membrane.

Note: The maximum incline shall be in accordance with the Class B Classification established for the membrane/insulation roofing assembly, however the incline can not exceed 1/2:12.

Class B or C

1. **Deck:** C-15/32 **Incline:** 1/4

Existing Roof Covering System: — (To maintain existing Class A, B or C Classification) — Any Class B or C, uncoated, uninsulated, modified bitumen membrane or Type G3 mineral surfaced cap BUR system.

Barrier Board (Optional): — Minimum 1/4-in. thick Georgia Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G), mechanically fastened over the existing roof covering system.

Primer: — Not UL Classified — as required by manufacturer.

Membrane: — "Duflex G" heat fused.

SINGLE PLY MEMBRANE ROOFING SYSTEMS (TPO)

Class A - Mechanically Fastened

1. **Deck:** NC **Incline:** 1

Insulation (Optional): — Polyisocyanurate, perlite, wood fiber or polyisocyanurate/perlite, any thickness.

Membrane: — "TPOFLEX G FR", mechanically fastened.

2. **Deck:** NC **Incline:** 1-1/2

Insulation: — Polyisocyanurate, perlite, wood fiber or polyisocyanurate/perlite, any thickness.

Base Sheet: — One or more plies Type G2, hot mopped or mechanically fastened.

Membrane: — "TPOFLEX G FR", mechanically fastened.

FLUID APPLIED COATING SYSTEMS

Unless otherwise indicated, "PolyBrite 75", “PolyBrite HT” or “PolyBrite 35 CA” may be used as acceptable alternates to "PolyBrite 70", "PolyBrite 70 QS", "PolyBrite 71", "PolyBrite 71 HS", “PolyBrite BB” or “PolyBrite 33 CS”.

"Fortrix PMMA T” may be used in lieu of “Fortrix PMMA” in all applicable Classifications.

” Fortrix FG T” may be used in lieu of “Frotrix FG” in all applicable Classifications.

Class A

1. **Deck:** C-15/32 **Incline:** 1

Insulation (Optional): — Polyisocyanurate, urethane, perlite/polyisocyanurate composite, perlite/urethane composite, Glass fiber, phenolic or perlite, any thickness.

Barrier Board: — Minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" mechanically fastened , CertainTeed Gypsum Corp. "GlasRoc" or United States Gypsum Co. "SECUROCK®" Glass mat board.

Base Coat: — "PG 800 Asphalt Emulsion Roof Coating", applied at 3 to 4-gal./100-ft.^{2}. or Brewer Co. "Fortress 5001 Asphalt Emulsion", applied at 4-gal./100-ft.^{2}.

Top Coat: — "PolyBrite 70", "PolyBrite 70 QS", “PolyBrite 33 CS”, "XtraFlex White Elastomeric Roof Coating", “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, or “PolyBrite 55” or “PolyBrite RC”, applied at 1-1/2 gal./100-ft.^{2}.

2. **Deck:** C-15/32 **Incline:** 1

Insulation (Optional): — Polyisocyanurate, urethane, perlite/polyisocyanurate composite, perlite/urethane composite, Glass fiber, phenolic or perlite, any thickness.

Barrier Board: — Minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" mechanically fastened or CertainTeed Gypsum Corp. "GlasRoc" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G)" or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX)Glass mat board

Base Coat: — — "PG 800 Asphalt Emulsion Roof Coating", applied at 3 to 4-gal./100-ft.^{2}. or Brewer Co. "Fortress 5001 Asphalt Emulsion", applied at 4-gal./100-ft.^{2}.

Top Coat: — "PolyPlus 60" or "XtraFlex Aluminum Roof Coating", applied at 3/4 to1-gal./100-ft.^{2}.

3. **Deleted.**

4. **Deck:** NC **Incline:** Unlimited

Base Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-ft.^{2}.

5. **Deck:** NC **Incline:** Unlimited

Base Coat: — "PolyBrite 24" applied at 1-1/2 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 24" applied at 1-1/2 gal./100-ft.^{2}.

6. **Deck:** NC **Incline:** Unlimited

Base Coat: — "PG 700", “PolyBrite RC Plus” or “Polybrite QS” applied at 1-1/2 gal./100-ft.^{2}.

Top Coat: — "PG 700", “PolyBrite RC Plus” or “Polybrite QS” applied at 1-1/2 gal./100-ft.^{2}.

7. **Deck:** NC **Incline:** Unlimited

Base Coat: — "PolyBrite 75", “PolyBrite HT” or “PolyBrite 35 CA” applied at 1-1/2 gal./100-ft.^{2}

Top Coat: — "PolyBrite 75", “PolyBrite HT” or “PolyBrite 35 CA” applied at 1-1/2 gal./100-ft.^{2}

8. **Deleted.**

9. **Deck:** NC **Incline:** Unlimited

Base Coat: — "PolyBrite 70", "PolyBrite 70 QS", “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at 1-1/2 gal./100-ft^2.

Top Coat: — "PolyBrite 70", "PolyBrite 70 QS", “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at 1-1/2 gal./100-ft^2.

10. **Deck:** NC **Incline:** Unlimited

Base Coat: — "PolyBrite® 60-FC" applied at a rate of 1-1/2 gal./100-ft^2 .

Top Coat: — "PolyBrite® 60-FC " applied at a rate of 1-1/2 gal./100-ft^2.

11. **Deck:** NC **Incline:** 1

Insulation: — Any thickness polyisocyanurate mechanically fastened or adhered with any UL Classified insulation adhesive
Primer: — One application "Polyglass PMMA Flexible Primer" or "Polyglass PMMA Concrete/Wood Primer" applied at 0.4-kg/m^2
Base Coat: — One application "Polyglass PMMA Resin" applied at 2.0-kg/m^2
Reinforcement: — One ply 110-g/m^2 polyester mat or 450-g/m^2 fiberglass mat embedded into wet base coat
Top Coat: — One application "Polyglass PMMA Resin" applied at 1.3-kg/m^2
Surfacing: — One application of “Polyglass PMMA LTS Surface Finish” applied at 0.6-kg/m^2 followed by the broadcast application of quartz sand applied at 5-kg/m^2

12. **Deck:** C-15/32 **Incline:** 1

Insulation (optional): — Any thickness polyisocyanurate mechanically fastened or adhered with any UL Classified insulation adhesive
Barrier Board: — Minimum 1/4-in. thick GP Gypsum Corp. "DensDeck® Roofboard" or "DensDeck® Prime Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick USG Co. "Securock™ Roofboard" mechanically fastened with insulation butt joints staggered a minimum of 6-in. from plywood deck joints
Primer: — One application "Polyglass PMMA Flexible Primer" or "Polyglass PMMA Concrete/Wood Primer" applied at 0.4-kg/m^2
Base Coat: — One application "Polyglass PMMA Resin" applied at 2.0-kg/m^2
Reinforcement: — One ply 110-g/m^2 polyester mat or 450-g/m^2 fiberglass mat embedded into wet base coat
Top Coat: — One application "Polyglass PMMA Resin" applied at 1.3-kg/m^2
Surfacing: — One application of “Polyglass PMMA LTS Surface Finish” applied at 0.6-kg/m^2 followed by the broadcast application of quartz sand applied at 5-kg/m^2

13. **Deck:** C-15/32 **Incline:** 1/4

Insulation (optional): — Any thickness polyisocyanurate mechanically fastened with insulation butt joints staggered a minimum of 6-in. from plywood deck joints
Barrier Board: — Minimum 1/4-in. thick GP Gypsum Corp. "DensDeck® Roofboard" or "DensDeck® Prime Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick USG Co. "Securock™ Roofboard" mechanically fastened with insulation butt joints staggered a minimum of 6-in. from plywood deck joints
Primer: — One application "Polyglass PMMA Flexible Primer" or "Polyglass PMMA Concrete/Wood Primer" applied at 0.4-kg/m^2
Base Coat: — One application "Polyglass PMMA Resin" applied at 2.0-kg/m^2
Reinforcement: — One ply 110-g/m^2 polyester mat or 450-g/m^2 fiberglass mat embedded into wet base coat
Top Coat: — One application of “Polyglass PMMA LTS Surface Finish” applied at 0.6-kg/m^2 followed by the broadcast application of silica applied at 5-kg/m^2

14. **Deck:** NC **Incline:** 3

Primer: — One application "Polyglass PMMA Flexible Primer" or "Polyglass PMMA Concrete/Wood Primer" applied at 0.4-kg/m^2
Base Coat: — One application "Polyglass PMMA Resin" applied at 2.0-kg/m^2
Reinforcement: — One ply 110-g/m^2 polyester mat or 450-g/m^2 fiberglass mat embedded into wet base coat
Top Coat: — One application "Polyglass PMMA Resin" applied at 2.0-kg/m^2
Surfacing: — One application of "Polyglass PMMA Resin" applied at 1.3-kg/m^2 followed by the broadcast application of 5-kg/m^2 of quartz sand.

15. **Deck:** C-15/32 **Incline:** 3

Insulation (optional): — Any thickness polyisocyanurate mechanically fastened with insulation butt joints staggered a minimum of 6-in. from plywood deck joints
Barrier Board: — Minimum 1/4-in. thick GP Gypsum Corp. "DensDeck® Roofboard" or "DensDeck® Prime Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick USG Co. "Securock™ Roofboard" mechanically fastened with insulation butt joints staggered a minimum of 6-in.
Primer: — One application "Polyglass PMMA Flexible Primer" or "Polyglass PMMA Concrete/Wood Primer" applied at 0.4-kg/m^2
Base Coat: — One application "Polyglass PMMA Resin" applied at 2.0-kg/m^2
Reinforcement: — One ply 110-g/m^2 polyester mat or 450-g/m^2 fiberglass mat embedded into wet base coat
Top Coat: — One application "Polyglass PMMA Resin" applied at 2.0-kg/m^2
Surfacing: — One application of "Polyglass PMMA Resin" applied at 1.3-kg/m^2 followed by the broadcast application on 5-kg/m^2 of quartz sand.

16. **Deck:** NC **Incline:** Unlimited

Base Coat: - “PolyBrite 90.2” or “PolyBrite 90W”, applied at 1.5 gal/100ft^2
Top Coat: - “PolyBrite 90.2” or “PolyBrite 90W”, applied at 1.5 gal/100ft^2

17. **Deck:** NC **Incline:** 1

Insulation (optional): — Any thickness polyisocyanurate mechanically fastened
Base Sheet (optional): — “Elastobase SA V” self-adhered or “Elastobase V” mechanically fastened
Membrane: — “Polyglass LS MAX” self-adhered
Base Coat: — “PolyBrite 71 Elastomeric Base Coat” applied at a maximum rate of 4 gal/100ft^2.

Polyester Fabric (optional): — Not to exceed 3-oz/yd2. Fabric must be fully embedded in coating.
Mid Coat: — "PolyBrite 70", "PolyBrite 33 CS", "PolyBrite 35 CA", "PolyBrite 55" or "PolyBrite RC", applied at a rate of 1.5 gal/sq
Top Coat: — "PolyBrite 70", "PolyBrite 33 CS", "PolyBrite 35 CA", "PolyBrite 90 High Solids Silicone", "PolyBrite 95 Silicone", "PolyBrite 55" or "PolyBrite RC", applied at a rate of 3 gal/sq

18. **Deck:** NC **Incline:** 1

Insulation (optional): — Any thickness polyisocyanurate mechanically fastened
Base Sheet (optional): — "Elastobase SA V" self-adhered or "Elastobase V" mechanically fastened
Membrane:— "Polyglass LS MAX" self-adhered
Base Coat: — "PolyBrite 71 Elastomeric Base Coat" applied at a rate of 1.5 gal/sq.
Top Coat: — "PolyBrite 70", "PolyBrite 33 CS", "PolyBrite 35 CA", "PolyBrite 90 High Solids Silicone", "PolyBrite 95 Silicone", "PolyBrite 55" or "PolyBrite RC", applied at a rate of 3 gal/sq

19. **Deleted**

20. **Deck:** C-15/32 **Incline:** 1

Insulation (Optional): — Polyisocyanurate, glass fiber, perlite, wood fiber, rockwool, any thickness, any combination, loose laid, mechanically fastened or adhered.

Coverboard: — Gypsum board, mechanically fastened or adhered.

Primer: — "Fortrix DP", "Fortrix FP" applied at the rate of 1.0-gal./100-ft^2 (or 0.9 kg/m^2).

Base Coat: — "Fortrix PMMA" or "Fortrix PMMA LO", applied at the rate of 3.91 gallon per 100 ft^2 (or 2.0 kg/m^2).

Reinforcement: — While the base coat of "Fortrix PMMA" or "Fortrix PMMA LO", is wet, a layer of non-woven, needled punched polyester reinforcement fabric (not weighing more than 115 grs/m^2) is applied and rolled so that air bubbles are removed.

Top Coat: — "Fortrix PMMA" or "Fortrix PMMA LO", applied at the rate of 1.95-gal./100-ft^2 (or 1.0 kg/m^2).

21. **Deck:** C-15/32 **Incline:** 1-1/2

Insulation (Optional): — Polyisocyanurate, glass fiber, perlite, wood fiber, rockwool, any thickness, any combination, loose laid, mechanically fastened or adhered.

Coverboard: — Gypsum board, mechanically fastened or adhered.

Primer: — "Fortrix DP", "Fortrix FP" applied at the rate of 1.0-gal./100-ft^2 (or 0.9 kg/m^2).

Base Coat: — "Fortrix PMMA LO" applied at the rate of 3.91 gallon per 100 ft^2 (or 2.0 kg/m^2).

Reinforcement: — While the base coat of "Fortrix PMMA LO" is wet, a layer of non-woven, needled punched polyester reinforcement fabric (not weighing more than 115 grs/m^2) is applied and rolled so that air bubbles are removed.

Top Coat: — "Fortrix PMMA LO" applied at the rate of 1.95 gallon per 100 ft^2 (or 1.0 kg/m^2).

22. **Deck:** NC **Incline:** 1

Primer: — "Fortrix DP", "Fortrix FP" applied at the rate of 1.0 gallon per 100 ft^2 (or 0.9 kg/m^2).

Base Coat: — "Fortrix PMMA" or "Fortrix PMMA LO", applied at the rate of 3.91 gallon per 100 ft^2 (or 2.0 kg/m^2).

Reinforcement: — While the base coat of “Fortrix PMMA” or “Fortrix PMMA LO”, is wet, a layer of non-woven, needled punched polyester reinforcement fabric (not weighing more than 115 grs/m^2) is applied and rolled so that air bubbles are removed.

Top Coat: — ”Fortrix PMMA” or “Fortrix PMMA LO”, applied at the rate of 1.95 gallon per 100 ft^2 (or 1.0 kg/m^2).

23. **Deck:** NC **Incline:** 2

Primer: — ”Fortrix DP”, “Fortrix FP” applied at the rate of 1.0 gallon per 100 ft^2 (or 0.9 kg/m^2).

Base Coat: — ”Fortrix PMMA” or “Fortrix PMMA LO” applied at the rate of 3.91 gallon per 100 ft^2 (or 2.0 kg/m^2).

Reinforcement: — While the base coat is wet, a layer of non-woven, needled punched polyester reinforcement fabric (not weighing more than 115 grs/m2) is applied and rolled so that air bubbles are removed.

Top Coat: — ”Fortrix PMMA” or “Fortrix PMMA LO” applied at the rate of 1.95 gallon per 100 ft^2 (or 1.0 kg/m^2).

Vapor Barrier (Optional): — Polyethylene film (not UL Classified)

Drainage Mat (Optional): — Drainage mat (not UL Classified)

Insulation: — Expanded polystyrene (EPS) or extruded polystyrene (XEPS), any thickness

Slip Sheet (Optional): — Not UL Classified, Phillips Fibers "Rufon", International Paper "D689", "Fabrene", 2 oz/sq yd. or other (not UL Classified) filter fabric.

Surfacing: — Crushed stone (1/2 to 1-1/2 in. diam) or river bottom stone (3/4 to 1-1/2 in. diam), 600 lbs/sq min, loose laid, or concrete pavers, min. 10 lb/sq. ft.

24. **Deck:** NC **Incline:** 2

Primer: — ”Fortrix DP”, “Fortrix FP” applied at the rate of 1.0 gallon per 100 ft^2 (or 0.9 kg/m^2).

Base Coat: — ”Fortrix PMMA” or “Fortrix PMMA LO” applied at the rate of 3.91 gallon per 100 ft^2 (or 2.0 kg/m^2).

Reinforcement: — While the base coat is wet, a layer of non-woven, needled punched polyester reinforcement fabric (not weighing more than 115 grs/m2) is applied and rolled so that air bubbles are removed.

Top Coat: — ”Fortrix PMMA” or “Fortrix PMMA LO” applied at the rate of 1.95 gallon per 100 ft^2 (or 1.0 kg/m^2).

Vapor Barrier (Optional): — Polyethylene film (not UL Classified).

Drainage Mat (Optional): — Drainage mat (not UL Classified).

Slip Sheet (Optional): — Not UL Classified, Phillips Fibers "Rufon", International Paper "D689", "Fabrene", 2 oz/sq yd. or other (not UL Classified) filter fabric

Insulation: — T. Clear "LIGHTGUARD®", Insulation panels surfaced with 5/16 in. min concrete mortar.

25. **Deck:** NC **Incline:** 1-1/2

Primer: — ""Fortrix DP”, “Fortrix FP”" applied at 1.0 gal/100 ft^2.

Base Coat: — ”Fortrix LC” applied at 0.33 kg/ft^2.

Finish Coat: — “Fortrix SR T” applied at 0.5 kg/m^2 with decorative pigmented acrylic chips(not UL Classified) applied at 0.006 kg/ft^2 embedded into wet top coat.

26. **Deck:** NC **Incline:** 1-1/2

Primer: — ""Fortrix DP", "Fortrix FP"" applied at 1.0 gal/100 ft^2.

Base Coat: — "Fortrix LC" applied at 0.33 kg/ft^2.

27. **Deck:** NC **Incline:** 1/4

Primer: — ""Fortrix DP", "Fortrix FP"" applied at 1.0 gal/100 ft^2.
Base Coat: — "Fortrix LC" applied at 0.33 kg/ft^2.
Finish Coat (Optional): — "Fortrix LT T" applied at 0.8 kg/m^2 or "Fortrix HT T" applied at 3.5 kg/m^2.

28. **Deck:** NC **Incline:** 1-1/2

Primer: — ""Fortrix DP", "Fortrix FP"" applied at 1.0 gal/100 ft^2.

Base Coat: — "Fortrix PMMA" or ""Fortrix PMMA LO"", applied at 0.1 kg/ft^2.

Finish Coat: — "Fortrix SR T" applied at 0.5 kg/m^2 with decorative pigmented acrylic chips (not UL Classified) applied at 0.006 kg/ft^2 embedded into wet top coat.

29. **Deck:** NC **Incline:** 1

Primer: — ""Fortrix DP", "Fortrix FP"" applied at 1.0 gal/100 ft^2.
Base Coat: — "Fortrix PMMA" or ""Fortrix PMMA LO"", applied at 0.1 kg/ft^2.
Finish Coat: — "Fortrix LT T" applied at 0.8 kg/m^2 or "Fortrix HT T" applied at 3.5 kg/m^2.

30. **Deck:** NC **Incline:** 1-1/2

Primer: — ""Fortrix DP", "Fortrix FP"" applied at 1.0 gal/100 ft^2.

Base Coat: — "Fortrix PMMA LO" applied at 0.1 kg/ft^2.

Finish Coat: — "Fortrix SR T" applied at 0.5 kg/m^2 with decorative pigmented acrylic chips (not UL Classified) applied at 0.006 kg/ft^2 embedded into wet top coat.

31. **Deck:** NC **Incline:** 1-1/2

Primer: — ""Fortrix DP", "Fortrix FP"" applied at 1.0 gal/100 ft^2 (or 0.4 kg/m^2).

Finish Coat: — "Fortrix SR T" applied at 0.4 kg/m^2.

32. **Deck:** NC **Incline:** 1/4

Primer: — ""Fortrix DP", "Fortrix FP"" applied at 1.0 gal/100 ft^2.
Finish Coat: — "Fortrix LT T" applied at 0.8 kg/m^2 or "Fortrix HT T" applied at 3.5 kg/m^2.

33. **Deck:** NC **Incline:** 1-1/2

Primer: — ""Fortrix DP", "Fortrix FP"" applied at 1.0 gal/100 ft^2 (or 0.4 kg/m^2).

Base Coat: — "Fortrix PMMA" or "Fortrix PMMA LO", applied at 3.91 lb/100 ft^2 (or 2.0 kg/m^2).

Reinforcement: — While the base coat of "Fortrix PMMA" or "Fortrix PMMA LO", is wet, a layer of nonwoven, needled punched polyester reinforcement fabric weighing 125 g/m^2 is applied and rolled so that air bubbles are removed.

Top Coat: — ”Fortrix PMMA” or “Fortrix PMMA LO”, applied at 1.95 lb/100 ft^2.

Surfacing Base Coat: — ”Fortrix PMMA” applied at 0.1 kg/ft^2.

Finish Coat: — ”Fortrix SR T” applied at 0.5 kg/m^2 with decorative pigmented acrylic chips (not UL Classified) applied at 0.006 kg/ft^2 embedded into wet top coat.

34. **Deck:** NC **Incline:** 1-1/2

Primer: — ""“Fortrix DP”, “Fortrix FP”" applied at 1.0 gal/100 ft^2 (or 0.4 kg/m^2).

Base Coat: — ”Fortrix PMMA” or “Fortrix PMMA LO”, applied at 3.91 lb/100 ft^2 (or 2.0 kg/m^2).

Reinforcement: — While the base coat of “Fortrix PMMA” is wet, a layer of nonwoven, needled punched polyester reinforcement fabric weighing 125 g/m^2 is applied and rolled so that air bubbles are removed.

Top Coat: — ”Fortrix PMMA” or “Fortrix PMMA LO”, applied at 1.95 lb/100 ft^2.

Surfacing Base Coat: — ”Fortrix LC” applied at 0.33 kg/ft^2.

Finish Coat: — ”Fortrix SR T” applied at 0.5 kg/m^2 with decorative pigmented acrylic chips (not UL Classified) applied at 0.006 kg/ft^2 embedded into wet top coat.

35. **Deck:** NC **Incline:** 1-1/2

Primer: — ""“Fortrix DP”, “Fortrix FP”" applied at 1.0 gal/100 ft^2 (or 0.4 kg/m^2).

Base Coat: — ”Fortrix PMMA” or “Fortrix PMMA LO”, applied at 3.91 lb/100 ft^2 (or 2.0 kg/m^2).

Reinforcement: — While the base coat of “Fortrix PMMA” is wet, a layer of nonwoven, needled punched polyester reinforcement fabric weighing 125 g/m^2 is applied and rolled so that air bubbles are removed.

Top Coat: — ”Fortrix PMMA” or “Fortrix PMMA LO”, applied at 1.95 lb/100 ft^2.

Surfacing Base Coat: — ”Fortrix LC” applied at 0.33 $kg/ft^2.ft^2$.

36. **Deck:** NC **Incline:** 1/4

Primer: — ""“Fortrix DP”, “Fortrix FP”" applied at 1.0 gal/100 ft^2 (or 0.4 kg/m^2).
Base Coat: — ”Fortrix PMMA” or “Fortrix PMMA LO”, applied at 3.91 lb/100 ft^2 (or 2.0 kg/m^2).
Reinforcement: — While the base coat of “Fortrix PMMA” is wet, a layer of nonwoven, needled punched polyester reinforcement fabric weighing 125 g/m^2 is applied and rolled so that air bubbles are removed.
Top Coat: — ”Fortrix PMMA” or “Fortrix PMMA LO”, applied at 1.95 lb/100 ft^2.
Surfacing Base Coat: — ”Fortrix LC” applied at 0.33 $kg/ft^2.ft^2$.
Finish Coat (Optional): — ”Fortrix LT T” applied at 0.8 kg/m^2 with decorative pigmented acrylic chips (not UL Classified) applied at 0.006 kg/ft^2 embedded into wet top coat.

37. **Deck:** NC **Incline:** 3/4

Primer: — ""“Fortrix DP”, “Fortrix FP”" applied at 1.0 gal/100 ft^2 (or 0.4 kg/m^2).
Base Coat: — ”Fortrix PMMA” or “Fortrix PMMA LO”, applied at 3.91 lb/100 ft^2 (or 2.0 kg/m^2).
Reinforcement: — While the base coat of “Fortrix PMMA” is wet, a layer of nonwoven, needled punched polyester reinforcement fabric weighing 125 g/m^2 is applied and rolled so that air bubbles are removed.
Top Coat: — ”Fortrix PMMA” or “Fortrix PMMA LO”, applied at 1.95 lb/100 ft^2.
Surfacing Base Coat: — ”Fortrix LC” applied at 0.33 $kg/ft^2.ft^2$.

Finish Coat (Optional): — ”Fortrix HT T” applied at 3.5 kg/m^2 with decorative pigmented acrylic chips (not UL Classified) applied at 0.006 kg/ft^2 embedded into wet top coat.

38. **Deck:** NC **Incline:** 1-1/2

Primer: — ""“Fortrix DP”, “Fortrix FP”" applied at 1.0 gal/100 ft^2 (or 0.4 kg/m^2).

Base Coat: — ”Fortrix PMMA” or “Fortrix PMMA LO”, applied at 3.91 lb/100 ft^2 (or 2.0 kg/m^2).

Reinforcement: — While the base coat of “Fortrix PMMA” is wet, a layer of nonwoven, needled punched polyester reinforcement fabric weighing 125 g/m^2 is applied and rolled so that air bubbles are removed.

Top Coat: — ”Fortrix PMMA” or “Fortrix PMMA LO”, applied at 1.95 lb/100 ft^2.

Surfacing Base Coat: — ”Fortrix PMMA LO” applied at 0.1 kg/ft^2.

Finish Coat: — ”Fortrix SR T” applied at 0.5 kg/m^2 with decorative pigmented acrylic chips (not UL Classified) applied at 0.006 kg/ft^2 embedded into wet top coat.

39. **Deck:** NC **Incline:** 1-1/2

Primer: — ""“Fortrix DP”, “Fortrix FP”" applied at 1.0 gal/100 ft^2 (or 0.4 kg/m^2).

Reinforcement: — While the base coat of “Fortrix PMMA” or “Fortrix PMMA LO” is wet, a layer of nonwoven, needled punched polyester reinforcement fabric weighing 125 g/m^2 is applied and rolled so that air bubbles are removed.

Top Coat: — ”Fortrix PMMA” or “Fortrix PMMA LO”, applied at 1.95 lb/100 ft^2.

Finish Coat: — ”Fortrix SR T” applied at 0.5 kg/m^2 with decorative pigmented acrylic chips (not UL Classified) applied at 0.006 kg/ft^2 embedded into wet top coat.

Decorative pigmented acrylic chips

45. **Deck:** NC **Incline:** 1/2

Primer: — ""“Fortrix DP”, “Fortrix FP”" applied at 1.0 gal/100 ft^2 (or 0.4 kg/m^2).

Base Coat: — ”Fortrix PMMA” or “Fortrix PMMA LO”, applied at 3.91 lb/100 ft^2 (or 2.0 kg/m^2).

Reinforcement: — While the base coat of “Fortrix PMMA” or “Fortrix PMMA LO”, is wet, a layer of nonwoven, needled punched polyester reinforcement fabric weighing 125 g/m2 is applied and rolled so that air bubbles are removed.

Top Coat: — ”Fortrix PMMA” or “Fortrix PMMA LO”, applied at 1.95 lb/100 ft^2.

Finish Coat (Optional): — ”Fortrix SR T” or “Fortrix PMMA CF”, applied at 0.5 kg/m^2 with optional decorative pigmented acrylic chips (not UL Classified) applied at 0.006 kg/ft^2 embedded into wet top coat.

46. **Deck:** NC **Incline: 1-**1/2

Primer: — “Primer EP1010 Part A&B", “EP-1020”, “PU-1050”, “PUc-1050” or “Primer Wet” applied at a rate of 0.625 gal/100-ft.2
Base Coat — "Tecnocoat CP2049 Part A&B" applied at a rate of 5 gal/100-ft.2
Mid Coat: — "PU 3060 Part A&B" applied at a rate of 1.875 gal/100-ft.2 with 0.28 lbs/sq.ft. of Silica Sand broadcast onto wet coating
Top Coat: — "Tecnotop 2C WT Part A&B" or "Tecnotop S-3000" applied at a rate of 0.625 gal/100-ft.2

47. **Deck:** NC **Incline: 1-**1/2

Top Coat: — "Tecnotop 2C WT Part A&B" applied at a rate of 0.625 gal/100-ft.2

48. **Deck:** NC **Incline: 1-**1/2

Top Coat: — "Tecnotop S-3000" applied at a rate of 0.625 gal/100-ft^2.

49. **Deck: NC** **Incline:** 1

Insulation (optional): — Any thickness UL Classified polyisocyanurate mechanically fastened
Base Sheet (optional): — “Elastobase SA V” self-adhered or “Elastobase V” mechanically fastened
Membrane: — “Polyglass LS MAX” self-adhered
Base Coat: — "PG800W" applied at 4-gal./100-ft.2
Reinforcement (optional): — Not UL Classified, not to exceed 3-oz/yd2. Fabric must be fully embedded in coating. Allow to dry before acrylic application
Mid Coat: — “PolyBrite 71 Elastomeric Base Coat” applied at a rate of 1.5 gal/100-ft.2
Top Coat: — "PolyBrite 70", "PolyBrite 71", “PolyBrite 33 CS”, “PolyBrite 35 CA”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at a rate of 1.5 gal/100-ft.2

50. **Deck:** NC **Incline:** 1-1/4

Primer: “Primer EP1010 Part A&B”, “EP-1020”, “PU-1050”, “PUc-1050” or “Primer Wet”, applied at a rate of 0.625 gal/sq.
Base Coat: “Tecnocoat CP 2049 Part A&B” applied at a rate of 5 gal/sq
Mid Coat: “Tecnotop 2C WT Part A&B” or “Tecnotop S-3000” applied at a rate of 0.43gal/sq. with 0.28 lbs /sq.ft. of silica sand broadcast onto wet coating
Top Coat: “Tecnotop 2C WT Part A&B” or “Tecnotop S-3000” applied at a rate of 0.43 gal/sq.

51. **Deck:** NC **Incline:** 1-1/2

Primer: “Primer EP1010 Part A&B”, “EP-1020”, “PU-1050”, “PUc-1050” or “Primer Wet”, applied at a rate of 0.625 gal/sq.
Top Coat: “Tecnocoat CP 2049 Part A&B” applied at a rate of 5 gal/sq

SPRAY APPLIED FOAM AND COATING SYSTEMS

A barrier board consisting of minimum 1/2-in. thick gypsum board or minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck ® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" may be used in any existing noncombustible roof deck Classification. When this is done, the resulting roofing covering system is acceptable for use over minimum 15/32-in. thick combustible roof decks. The butt joints in the barrier board must be off-set a minimum of 6-in. from butt joint in the roof deck.

BASF Corp. SKYTITE 2.5", "SKYTITE 2.8," and "SKYTITE 3.0" are acceptable alternates respectively to BASF Corp. "FE348-2.5" or "FE348-2.8" or "FE348-3.0".

"PolyPUF H-1 2.5", "PolyPUF H-1 2.7" and "PolyPUF H-1 3.0" may be used as an alternate to "PolyPUF RG 2.5", "PolyPUF RG 2.7" and "PolyPUF RG 3.0" in any of the systems shown below.

Class A

1. **Deck: Deleted.**

2. **Deck: Deleted.**

3. **Deleted.**

4. **Deck:** NC **Incline:** 1

Foam: — Carlisle Roof Foam and Coatings PremiSEAL 40”,” PremiSEAL 60”, “PremiSEAL 70”, “PremiR+ 40”, “PremiR+ 60”, “PremiR+ 70”, any thickness.

Base Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-ft.^{2}.

Surfacing (Optional): — No. 11 Roofing Granules at 30-lbs/100-ft.^{2}.

5. **Deleted.**

6. **Deck:** C-15/32 **Incline:** 1

Foam: — BASF Corp. "FE348-2.5," "FE348-2.8" "FE348-3.0" or "SKYTITE 2.5," "SKYTITE 2.8" or "SKYTITE 3.0", any thickness.

Base Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-ft.^{2}.

Surfacing (Optional): — No. 11 Roofing Granules at 30-lbs/100-ft.^{2}.

7. **Deleted.**

8. **Deck:** C-15/32 **Incline:** 1

Foam: — Carlisle Roof Foam and Coatings ”PremiSEAL 40”,” PremiSEAL 60”, “PremiSEAL 70”, “PremiR+ 40”, “PremiR+ 60”, “PremiR+ 70”, any thickness.

Base Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-ft.^{2}.

Surfacing (Optional): — No. 11 Roofing Granules at 30-lbs/100-ft.^{2}.

9. **Deleted.**

10. **Deck:** NC **Incline:** 1

Foam: — Carlisle Roof Foam and Coatings “PremiSEAL 40”,” PremiSEAL 60”, “PremiSEAL 70”, “PremiR+ 40”, “PremiR+ 60”, “PremiR+ 70”, any thickness.

Base Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-ft.^{2}.

Surfacing (Optional): — No. 11 Roofing Granules at 30-lbs./100-ft.^{2}.

11. **Deleted.**

12. **Deck:** NC **Incline:** 3/4

Foam: — Carlisle Roof Foam and Coatings ""PremiSEAL 40"," PremiSEAL 60", "PremiSEAL 70", "PremiR+ 40", "PremiR+ 60", "PremiR+ 70", any thickness.

Base Coat: — "PolyBrite 70", "PolyBrite 70 QS", "XtraFlex White Elastomeric Roof Coating", "PolyBrite 33 CS", "PolyBrite 90 High Solids Silicone", "PolyBrite 95 Silicone", "PolyBrite 55" or "PolyBrite RC", applied at 1-1/2 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 70", "PolyBrite 70 QS", "XtraFlex White Elastomeric Roof Coating", "PolyBrite 33 CS", "PolyBrite 90 High Solids Silicone", "PolyBrite 95 Silicone", "PolyBrite 55" or "PolyBrite RC", applied at 1-1/2 gal./100-ft.^{2}.

Surfacing (Optional): — No. 11 Roofing Granules at 30-lbs./100-ft.^{2}.

13. **Deck:** NC **Incline:** 3/4

Foam: — Carlisle Roof Foam and Coatings ""PremiSEAL 40"," PremiSEAL 60", "PremiSEAL 70", "PremiR+ 40", "PremiR+ 60", "PremiR+ 70", any thickness.

Base Coat: — "PolyBrite 70", "PolyBrite 70 QS", "XtraFlex White Elastomeric Roof Coating", "PolyBrite 33 CS", "PolyBrite 90 High Solids Silicone", "PolyBrite 95 Silicone", "PolyBrite 55" or "PolyBrite RC", applied at 1-1/2 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 70", "PolyBrite 70 QS" , "XtraFlex White Elastomeric Roof Coating", "PolyBrite 33 CS", "PolyBrite 90 High Solids Silicone", "PolyBrite 95 Silicone", "PolyBrite 55" or "PolyBrite RC", applied at 1-1/2 gal./100-ft.^{2}.

Surfacing (Optional): — No. 11 Roofing Granules at 30-lbs./100-ft.^{2}.

14. **Deleted.**

15. **Deleted.**

16. **Deck:** NC **Incline:** 1

Foam: — "PolyPUF 2.5" or "PolyPUF 2.8" or "PolyPUF 3.0", any thickness.

Base Coat: — "PolyBrite 71", "PolyBrite 71 HS" or "PolyBrite BB" applied at 1-1/2 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 71", "PolyBrite 71 HS" or "PolyBrite BB" applied at 1-1/2 gal./100-ft.^{2}.

Surfacing (Optional): — No. 11 Roofing Granules at 30-lbs./100-ft.^{2}.

17. **Deck:** C-15/32 **Incline:** 3/4

Foam: — "PolyPUF 2.5" or "PolyPUF 2.8" or "PolyPUF 3.0", any thickness.

Base Coat: — "PolyBrite 71", "PolyBrite 71 HS" or "PolyBrite BB" applied at 1-1/2 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 71", "PolyBrite 71 HS" or "PolyBrite BB" applied at 1-1/2 gal./100-ft.^{2}.

Surfacing: — No. 11 Roofing Granules at 30-lbs./100-ft.^{2}.

18. **Deck:** NC **Incline:** 1-1/2

Foam: — BASF Corp. "81272", any thickness.

Primer (Optional): — "PolyBrite 780.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Base Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/2 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/2 gal./100-ft.^{2}.

Surfacing: — Granules at 35-lbs./100-ft.^{2}.

19. **Deck:** NC **Incline:** 1-1/2

Foam: — BASF Corp. “FE348-2.5," "FE348-2.8" "FE348-3.0" or "SKYTITE 2.5," "SKYTITE 2.8" or "SKYTITE 3.0, any thickness.

Primer (Optional): — "PolyBrite 780.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Base Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

Surfacing: — Granules at 35-lbs./100-ft.^{2}.

20. **Deck:** NC **Incline:** 1-1/2

Foam: — "PolyPUF 2.5" or "PolyPUF 2.8" or "PolyPUF 3.0", any thickness.

Primer (Optional): — "PolyBrite 780.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Base Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

Surfacing: — Granules at 35-lbs./100-ft.^{2}.

21. **Deck:** NC **Incline:** 3-1/2

Foam: — Carlisle Roof Foam and Coatings "Premiseal 250", "Premiseal 280" or "Premiseal 300", any thickness.

Primer (Optional): — "PolyBrite 780.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Base Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

22. **Deck:** NC **Incline:** Unlimited

Foam: — Carlisle Roof Foam and Coatings “PremiSEAL 40”,” PremiSEAL 60”, “PremiSEAL 70”, “PremiR+ 40”, “PremiR+ 60”, “PremiR+ 70”, any thickness.

Primer (Optional): — "PolyBrite 780.1" (Not UL Classified), applied at 1/3 to 1/2 gal/100-ft.^{2}.

Base Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

Surfacing: — Granules at 35-lbs./100-ft.^{2}.

23. **Deck:** NC **Incline:** 3-1/2

Foam: — Carlisle Roof Foam and Coatings “PremiSEAL 40”,” PremiSEAL 60”, “PremiSEAL 70”, “PremiR+ 40”, “PremiR+ 60”, “PremiR+ 70”, any thickness.

Primer (Optional): — "PolyBrite 780.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}

Base Coat: — "PolyBrite 90.1", "PolyBrite 90E", applied at 1-gal./100-ft.^{2}.

Top Coat: — "PolyBrite 90.1", "PolyBrite 90E", applied at 3/4 gal./100-ft.^{2}.

24. **Deck:** NC **Incline:** Unlimited

Foam: — Carlisle Roof Foam and Coatings “PremiSEAL 40”,” PremiSEAL 60”, “PremiSEAL 70”, “PremiR+ 40”, “PremiR+ 60”, “PremiR+ 70”, any thickness.

Primer (Optional): — "PolyBrite 780.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Base Coat: — "PolyBrite 90.1", "PolyBrite 95E", applied at 1-gal./100-ft.^{2}.

Top Coat: — "PolyBrite 90.1", "PolyBrite 95E", applied at 3/4 gal./100-ft.^{2}.

Surfacing: — Granules at 35-lbs/100-ft.^{2}.

25. **Deleted.**

26. **Deck:** NC **Incline:** Unlimited

Foam: — Carlisle Roof Foam and Coatings “PremiSEAL 40”,” PremiSEAL 60”, “PremiSEAL 70”, “PremiR+ 40”, “PremiR+ 60”, “PremiR+ 70”, any thickness.

Primer (Optional): — "PolyBrite 780.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Base Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

Surfacing: — Granules at 35-lbs./100-ft.^{2}.

27. **Deck:** NC **Incline:** Unlimited

Foam: — Carlisle Roof Foam and Coatings “PremiSEAL 40”,” PremiSEAL 60”, “PremiSEAL 70”, “PremiR+ 40”, “PremiR+ 60”, “PremiR+ 70”, any thickness.

Primer (Optional): — "PolyBrite 780.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Base Coat: — "PolyBrite 90.1", "PolyBrite 90E", applied at 1- gal./100-ft.^{2}.

Top Coat: — "PolyBrite 90.1", "PolyBrite 90E", applied at 3/4 gal./100-ft.^{2}.

Surfacing: — Granules at 35-lbs./100-ft.^{2}.

28. **Deck:** NC **Incline:** Unlimited

Foam: — Lapolla Industries Inc. "LPA2500", "LPA2800", "LPA3000","LPA2500", "LPA2800" or "LPA3000", any thickness.

Primer (Optional): — "PolyBrite 780.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Base Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

Surfacing: — Granules at 35-lbs./100-ft.^{2}.

29. **Deck:** NC **Incline:** 4

Foam: — Lapolla Industries Inc. "LPA2500", "LPA2800", "LPA3000","LPA2500", "LPA2800" or "LPA3000", any thickness.

Primer (Optional): — "PolyBrite 780.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Base Coat: — "PolyBrite 90.1", "PolyBrite 90E", applied at 1-gal./100-ft.^{2}.

Top Coat: — "PolyBrite 90.1", "PolyBrite 90E", applied at 3/4 gal./100-ft.^{2}.

Surfacing: — Granules at 35-lbs./100-ft.^{2}.

30. **Deck:** NC **Incline:** Unlimited

Foam: — BASF Corp."FE348-2.5," "FE348-2.8" "FE348-3.0" or "SKYTITE 2.5," "SKYTITE 2.8" or "SKYTITE 3.0", any thickness.

Primer (Optional): — "PolyBrite 780.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Base Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

Surfacing: — Granules at 30-lbs./100-ft.^{2}.

31. **Deck:** NC **Incline:** Unlimited

Foam: — "PolyPUF 2.5" or "PolyPUF 2.8" or "PolyPUF 3.0", any thickness.

Primer (Optional): — "PolyBrite 780.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Base Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

Surfacing: — Granules at 30-lbs./100-ft.^{2}.

32. **Deck:** NC **Incline:** 4

Foam: — BASF Corp. "FE348-2.5," "FE348-2.8" "FE348-3.0" or "SKYTITE 2.5," "SKYTITE 2.8" or "SKYTITE 3.0, any thickness.

Primer (Optional): — "PolyBrite 780.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Base Coat: — "PolyBrite 90.1", "PolyBrite 90E", applied at 1-gal./100-ft.^{2}.

Top Coat: — "PolyBrite 90.1", "PolyBrite 90E", applied at 1-gal./100-ft.^{2}.

Surfacing: — Granules at 30-lbs./100-ft.^{2}.

33. **Deck:** NC **Incline:** 4

Foam: — "PolyPUF 2.5" or "PolyPUF 2.8" or "PolyPUF 3.0", any thickness.

Primer (Optional): — "PolyBrite 780.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Base Coat: — "PolyBrite 90.1", "PolyBrite 90E", applied at 1-gal./100-ft.^{2}.

Top Coat: — "PolyBrite 90.1", "PolyBrite 90E", applied at 1-gal./100-ft.^{2}.

Surfacing: — Granules at 30-lbs./100-ft.^{2}.

34. **Deleted.**

35. **Deck:** NC **Incline:** 1-1/2

Foam: — Carlisle Roof Foam and Coatings “PremiSEAL 40”,” PremiSEAL 60”, “PremiSEAL 70”, “PremiR+ 40”, “PremiR+ 60”, “PremiR+ 70, any thickness.

Base Coat: — "PolyBrite 70", "PolyBrite 70 QS", “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at 1-1/2 gal./100-ft^2.

Top Coat: — "PolyBrite 70", "PolyBrite 70 QS", “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at 1-1/2 gal./100-ft^2.

Surfacing: — No. 11 Roofing Granules at 30-lbs./100-ft^2.

36. **Deck:** NC **Incline:** 3/4

Foam: — Carlisle Roof Foam and Coatings “PremiSEAL 40”,” PremiSEAL 60”, “PremiSEAL 70”, “PremiR+ 40”, “PremiR+ 60”, “PremiR+ 70”, any thickness.
Base Coat: — "PolyBrite 70", "PolyBrite 70 QS", “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, at 1-1/2 gal./100-ft^2.

Top Coat: — "PolyBrite 70", "PolyBrite 70 QS", “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at 1-1/2 gal./100-ft^2.

Surfacing: — No. 11 Roofing Granules at 30-lbs./100-ft^2.

37. **Deck:** NC **Incline:** 1-1/2

Foamed Plastic Insulation: — BASF Corp. "FE348-2.5," "FE348-2.8" "FE348-3.0" or "SKYTITE 2.5," "SKYTITE 2.8" or "SKYTITE 3.0", any thickness.

Base Coat: — "PolyBrite® 60-FC" applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing: — "PolyBrite® 60-FC" applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs./100-ft^2.

38. **Deck:** C-15/32 **Incline:** 1-1/2

Insulation (optional): — Polyisocyanurate, perlite, glass fiber, phenolic, urethane, wood fiber, polystyrene, EPS, polyisocyanurate composite, urethane composite, mechanically fastened, any thickness.

Barrier Board: — Minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G)" or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) or minimum 1/2-in. thick gypsum board mechanically fastened with all butt joints staggered a minimum of 6-in. from the plywood deck butt joints.

Foamed Plastic Insulation (Optional): — BASF Corp. "FE348-2.5", "FE348-2.8," "FE348-3.0" or "SKYTITE 2.5," "SKYTITE 2.8" or "SKYTITE 3.0" any thickness.

Base Coat: — "PolyBrite® 60-FC" applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing: — "PolyBrite® 60-FC" applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs./100-ft^2.

39. **Deck:** NC **Incline:** 1

Foamed Plastic Insulation: — BASF Corp. "FE348-2.5", "FE348-2.8," "FE348-3.0" or "SKYTITE 2.5," "SKYTITE 2.8" or "SKYTITE 3.0" any thickness.
Base Coat: — "PolyBrite® 60-FC", "PolyBrite 70", "PolyBrite 70 QS", "PG 700", “PolyBrite RC Plus”, “Polybrite QS”, "PolyBrite 71", "PolyBrite 71 HS”, “PolyBrite BB”, "PolyBrite 75", “PolyBrite HT”, “PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone” or “PolyBrite 55”, applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing: — "PolyBrite® 60-FC", "PolyBrite 70", "PolyBrite 70 QS", "PG 700", “PolyBrite RC Plus”, “Polybrite QS”, "PolyBrite 71", "PolyBrite 71 HS", “PolyBrite BB”, "PolyBrite 75", “PolyBrite HT”, “PolyBrite 35 CA”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs./100-ft^2.

40. **Deck:** C-15/32 **Incline:** 1

Insulation (optional): — Polyisocyanurate, perlite, glass fiber, phenolic, urethane, wood fiber, polystyrene, EPS, polyisocyanurate composite, urethane composite, mechanically fastened, any thickness.

Barrier Board: — Minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G)" or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) or minimum 1/2-in. thick gypsum board mechanically fastened with all butt joints staggered a minimum of 6-in. from the plywood deck butt joints.

Foamed Plastic Insulation (Optional): — BASF Corp. "FE348-2.5", "FE348-2.8," "FE348-3.0" or "SKYTITE 2.5," "SKYTITE 2.8" or "SKYTITE 3.0" any thickness.
Base Coat: — "PolyBrite® 60-FC", "PolyBrite 70", "PolyBrite 70 QS", "PG 700", “PolyBrite RC Plus”, “Polybrite QS”, "PolyBrite 71", "PolyBrite 71 HS", “PolyBrite BB”, "PolyBrite 75", “PolyBrite HT”, “PolyBrite 35 CA”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at a rate of 1-1/2 gal./100-ft^2.
Surfacing: — "PolyBrite® 60-FC", "PolyBrite 70", "PolyBrite 70 QS", "PG 700", “PolyBrite RC Plus”, “Polybrite QS”, "PolyBrite 71", "PolyBrite 71 HS", “PolyBrite BB”, "PolyBrite 75", “PolyBrite HT”, “PolyBrite 35 CA”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs./100-ft^2.

41. **Deck:** NC **Incline:** 1-1/2

Foamed Plastic Insulation: — General Coatings Manufacturing Corp. "Ultra-Thane 230", any thickness.

Base Coat: — "PolyBrite® 60-FC" applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing: — "PolyBrite® 60-FC" applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs./100-ft^2.

42. **Deck:** C-15/32 **Incline:** 1-1/2

Insulation (optional): — Polyisocyanurate, perlite, glass fiber, phenolic, urethane, wood fiber, polystyrene, EPS, polyisocyanurate composite, urethane composite, mechanically fastened, any thickness.

Barrier Board: — Minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK®

Roof Board" (Type FRX-G)" or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) or minimum 1/2-in. thick gypsum board mechanically fastened with all butt joints staggered a minimum of 6-in. from the plywood deck butt joints.

Foamed Plastic Insulation (Optional): — General Coatings Manufacturing Corp. "Ultra-Thane 230", any thickness.

Base Coat: — "PolyBrite® 60-FC" applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing: — "PolyBrite® 60-FC" applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs./100-ft^2.

43. **Deck:** NC **Incline:** 2

Foamed Plastic Insulation: — General Coatings Manufacturing Corp. "Ultra-Thane 230", any thickness.
Base Coat: — "PolyBrite 70", "PolyBrite 70 QS", "PG 700", “PolyBrite RC Plus”, “Polybrite QS”, "PolyBrite 71", "PolyBrite 71 HS", “PolyBrite BB”, "PolyBrite 75", “PolyBrite HT”, “PolyBrite 35 CA”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing: — "PolyBrite 70", "PolyBrite 70 QS", "PG 700", “PolyBrite RC Plus”, “Polybrite QS”, "PolyBrite 71", "PolyBrite 71 HS", “PolyBrite BB”, "PolyBrite 75", “PolyBrite HT”, “PolyBrite 35 CA”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs./100-ft^2.

44. **Deck:** C-15/32 **Incline:** 2

Insulation (optional): — Polyisocyanurate, perlite, glass fiber, phenolic, urethane, wood fiber, polystyrene, EPS, polyisocyanurate composite, urethane composite, mechanically fastened, any thickness.

Barrier Board: — Minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G)" or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) or minimum 1/2-in. thick gypsum board mechanically fastened with all butt joints staggered a minimum of 6-in. from the plywood deck butt joints.

Foamed Plastic Insulation (Optional): — General Coatings Manufacturing Corp. "Ultra-Thane 230", any thickness.
Base Coat: — "PolyBrite 70", "PolyBrite 70 QS", "PG 700", “PolyBrite RC Plus”, “Polybrite QS”, "PolyBrite 71", "PolyBrite 71 HS", “PolyBrite BB”, "PolyBrite 75", “PolyBrite HT”, “PolyBrite 35 CA”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing: — "PolyBrite 70", "PolyBrite 70 QS", "PG 700", “PolyBrite RC Plus”, “Polybrite QS”, "PolyBrite 71", "PolyBrite 71 HS", “PolyBrite BB”, "PolyBrite 75", “PolyBrite HT”, “PolyBrite 35 CA”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs./100-ft^2.

45. **Deck:** NC **Incline:** 1-1/2

Foamed Plastic Insulation: — "PolyPUF RG 2.5", "PolyPUF RG 2.7", or "PolyPUF RG 3.0", any thickness.

Base Coat: — "PolyBrite® 60-FC" applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing: — "PolyBrite® 60-FC" applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs./100-ft^2.

46. **Deck:** C-15/32 **Incline:** 1-1/2

Insulation (optional): — Polyisocyanurate, perlite, glass fiber, phenolic, urethane, wood fiber, polystyrene, EPS, polyisocyanurate composite, urethane composite, mechanically fastened, any thickness.

Barrier Board: — Minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G)" or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) or minimum 1/2-in. thick gypsum board mechanically fastened with all butt joints staggered a minimum of 6-in. from the plywood deck butt joints.

Foamed Plastic Insulation (Optional): — "PolyPUF RG 2.5", "PolyPUF RG 2.7", or "PolyPUF RG 3.0", any thickness.

Base Coat: — "PolyBrite® 60-FC" applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing: — "PolyBrite® 60-FC" applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs./100-ft^2.

47. **Deck:** NC **Incline:** 2

Foamed Plastic Insulation (Optional): — "PolyPUF RG 2.5", "PolyPUF RG 2.7", or "PolyPUF RG 3.0", any thickness.
Base Coat: — "PolyBrite 70", "PolyBrite 70 QS", "PG 700", “PolyBrite RC Plus”, “Polybrite QS”, "PolyBrite 71", "PolyBrite 71 HS", “PolyBrite BB”, "PolyBrite 75", “PolyBrite HT”, “PolyBrite 35 CA”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at a rate of 1-1/2 gal./100-ft^2.
Surfacing: — "PolyBrite 70", "PolyBrite 70 QS", "PG 700", “PolyBrite RC Plus”, “Polybrite QS”, "PolyBrite 71", "PolyBrite 71 HS", “PolyBrite BB”, "PolyBrite 75", “PolyBrite HT”, “PolyBrite 35 CA”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs./100-ft^2.

48. **Deck:** C-15/32 **Incline:** 2

Insulation (optional): — Polyisocyanurate, perlite, glass fiber, phenolic, urethane, wood fiber, polystyrene, EPS, polyisocyanurate composite, urethane composite, mechanically fastened, any thickness.

Barrier Board: — Minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G)" or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) or minimum 1/2-in. thick gypsum board mechanically fastened with all butt joints staggered a minimum of 6-in. from the plywood deck butt joints.

Foamed Plastic Insulation (Optional): — "PolyPUF RG 2.5", "PolyPUF RG 2.7", or "PolyPUF RG 3.0", any thickness.
Base Coat: — "PolyBrite 70", "PolyBrite 70 QS", "PG 700", “PolyBrite RC Plus”, “Polybrite QS”, "PolyBrite 71", "PolyBrite 71 HS", “PolyBrite BB”, "PolyBrite 75", “PolyBrite HT”, “PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing: — "PolyBrite 70", "PolyBrite 70 QS", "PG 700", “PolyBrite RC Plus”, “Polybrite QS”, "PolyBrite 71", "PolyBrite 71 HS", “PolyBrite BB”, "PolyBrite 75", “PolyBrite HT”, “PolyBrite 35 CA”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs./100-ft^2.

49. **Deck:** NC **Incline:** 1-1/2

Foamed Plastic Insulation: — "PolyPUF 2.5" or "PolyPUF 2.8" or "PolyPUF 3.0", any thickness.

Base Coat: — "PolyBrite® 60-FC" applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing: — "PolyBrite® 60-FC" applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs./100-ft^2.

50. **Deck:** C-15/32 **Incline:** 1-1/2

Insulation (optional): — Polyisocyanurate, perlite, glass fiber, phenolic, urethane, wood fiber, polystyrene, EPS, polyisocyanurate composite, urethane composite, mechanically fastened, any thickness.

Barrier Board: — Minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G)" or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) or minimum 1/2-in. thick gypsum board mechanically fastened with all butt joints staggered a minimum of 6-in. from the plywood deck butt joints.

Foamed Plastic Insulation (Optional): — "PolyPUF 2.5" or "PolyPUF 2.8" or "PolyPUF 3.0", any thickness.

Base Coat: — "PolyBrite® 60-FC" applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing: — "PolyBrite® 60-FC" applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs./100-ft^2.

51. **Deck:** NC **Incline:** 1

Foamed Plastic Insulation: — "PolyPUF 2.5" or "PolyPUF 2.8" or "PolyPUF 3.0", any thickness.
Base Coat: — "PolyBrite® 60-FC", "PolyBrite 70", "PolyBrite 70 QS", "PG 700", “PolyBrite RC Plus”, “Polybrite QS”, "PolyBrite 71", "PolyBrite 71 HS", “PolyBrite BB”, "PolyBrite 75", “PolyBrite HT”, “PolyBrite 35 CA”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at a rate of 1-1/2 gal./100-ft^2.
Surfacing: — "PolyBrite® 60-FC", "PolyBrite 70", "PolyBrite 70 QS", "PG 700", “PolyBrite RC Plus”, “Polybrite QS”, "PolyBrite 71", "PolyBrite 71 HS", “PolyBrite BB”, "PolyBrite 75", “PolyBrite HT”, “PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs./100-ft^2.

52. **Deck:** C-15/32 **Incline:** 1

Insulation (optional): — Polyisocyanurate, perlite, glass fiber, phenolic, urethane, wood fiber, polystyrene, EPS, polyisocyanurate composite, urethane composite, mechanically fastened, any thickness.

Barrier Board: — Minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G)" or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) or minimum 1/2-in. thick gypsum board mechanically fastened with all butt joints staggered a minimum of 6-in. from the plywood deck butt joints.

Foamed Plastic Insulation (Optional): — "PolyPUF 2.5" or "PolyPUF 2.8" or "PolyPUF 3.0", any thickness.
Base Coat: — "PolyBrite® 60-FC", "PolyBrite 70", "PolyBrite 70 QS", "PG 700", “PolyBrite RC Plus”, “Polybrite QS”, "PolyBrite 71", "PolyBrite 71 HS", “PolyBrite BB”, "PolyBrite 75", “PolyBrite HT”, “PolyBrite 35 CA”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at a rate of 1-1/2 gal./100-ft^2.
Surfacing: — "PolyBrite® 60-FC", "PolyBrite 70", "PolyBrite 70 QS", "PG 700", “PolyBrite RC Plus”, “Polybrite QS”, "PolyBrite 71", "PolyBrite 71 HS", “PolyBrite BB”, "PolyBrite 75", “PolyBrite HT”, “PolyBrite 35 CA”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC”, applied at a rate of 1-1/2 gal./100-ft^2.

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs./100-ft^2.

53. Deck: NC **Incline:** 1-1/2

Foam: — BASF Corp, “Skytite C3” (2.5-3.0 lb/100 ft^3), any thickness.
Top Coat: “PolyBrite 90.2” or “PolyBrite 90W”, applied at 1.5-3.0 gal/100 ft^2.
Surfacing (Optional): — No. 11 ceramic coated granules applied at 30 lbs/100 ft^2.

54. Deck: NC **Incline:** 1

Foam: — BASF Corp, “Skytite C3” (2.5-3.0 lb/100 ft^3), any thickness.
Top Coat: — “PolyBrite 70”, "PolyBrite 70 QS", "PG 700", “PolyBrite RC Plus”, “Polybrite QS”, "PolyBrite 71", "PolyBrite 71 HS", “PolyBrite BB”, "PolyBrite 75", “PolyBrite HT”, “PolyBrite 35 CA”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC” applied at 2-gal./100-ft.2.
Surfacing (Optional): — No. 11 ceramic coated granules applied at 30 lbs/100 ft^2.

Class B

1. **Deleted.**

2. **Deck:** C-15/32 **Incline:** 1/2

Foam: — Carlisle Roof Foam and Coatings ""“PremiSEAL 40”,” PremiSEAL 60”, “PremiSEAL 70”, “PremiR+ 40”, “PremiR+ 60”, “PremiR+ 70”", 2-in. thick minimum.

Base Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-$ft.^2$.

Top Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-$ft.^2$.

Surfacing: — No. 11 Roofing Granules at 30-lbs./100-$ft.^2$.

3. **Deck:** C-15/32 **Incline:** 1/2

Foam: — Carlisle Roof Foam and Coatings “PremiSEAL 40”,” PremiSEAL 60”, “PremiSEAL 70”, “PremiR+ 40”, “PremiR+ 60”, “PremiR+ 70”, 2-in. minimum .

Base Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-$ft.^2$.

Top Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-$ft.^2$.

Surfacing: — No. 11 Roofing Granules at 30-lbs./100-$ft.^2$.

4. **Deck:** C-15/32 **Incline:** 1/2

Foam: — BASF Corp. "FE348-2.5," "FE348-2.8" "FE348-3.0" or "SKYTITE 2.5," "SKYTITE 2.8" or "SKYTITE 3.0”, 1-in. thick minimum.

Base Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-$ft.^2$.

Top Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-$ft.^2$.

Surfacing: — No. 11 Roofing Granules at 30-lbs./100-$ft.^2$.

5. **Deck:** C-15/32 **Incline:** 1/2

Foam: — Carlisle Roof Foam and Coatings “PremiSEAL 40”,” PremiSEAL 60”, “PremiSEAL 70”, “PremiR+ 40”, “PremiR+ 60”, “PremiR+ 70”, 2-in thick minimum thickness.

Base Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-ft.^{2}.

Surfacing: — No. 11 Roofing Granules at 30-lbs./100-ft.^{2}.

6. **Deleted.**

7. **Deleted.**

8. **Deck:** C-15/32 **Incline:** 1/2

Foam: — "PolyPUF 2.5" or "PolyPUF 2.8" or "PolyPUF 3.0" 1-in. thick minimum

Base Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-ft.^{2}

Top Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-ft^2.

Surfacing: — No. 11 Roofing Granules at 30-lbs./100-ft.^{2}.

9. **Deck:** C-15/32 **Incline:** 1

Foam: — BASF Corp. "FE348-2.5," "FE348-2.8" "FE348-3.0" or "SKYTITE 2.5," "SKYTITE 2.8" or "SKYTITE 3.0", minimum 1-in. thick.

Primer (Optional): — PolyBrite 780.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Base Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

Surfacing: — Granules at 30- lbs./100-ft.^{2}.

10. **Deck:** C-15/32 **Incline:** 1

Foam: — "PolyPUF 2.5" or "PolyPUF 2.8" or "PolyPUF 3.0", minimum 1- in. thick.

Primer (Optional): — PolyBrite 780.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Base Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 95.1", "PolyBrite 95E", applied at 1-1/4 gal./100-ft.^{2}.

Surfacing: — Granules at 30- lbs./100-ft.^{2}.

11. **Deck:** C-15/32 **Incline:** 1

Foam: — BASF Corp. "FE348-2.5," "FE348-2.8" "FE348-3.0" or "SKYTITE 2.5," "SKYTITE 2.8" or "SKYTITE 3.0", minimum 1-in. thick.

Primer (Optional): — "PolyBrite 780.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Base Coat: — "PolyBrite 90.1", "PolyBrite 90E", applied at 1- gal./100-ft.^{2}.

Top Coat: — "PolyBrite 90.1", "PolyBrite 90E", applied at 1- gal./100-ft.^{2}.

Surfacing: — Granules at 30- lbs./100-ft.^{2}.

12. **Deck:** C-15/32 **Incline:** 1

Foam: — "PolyPUF 2.5" or "PolyPUF 2.8" or "PolyPUF 3.0", minimum 1- in. thick.

Primer (Optional): — "PolyBrite 780.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Base Coat: — "PolyBrite 90.1", "PolyBrite 90E", applied at 1- gal./100-ft.^{2}.

Top Coat: — "PolyBrite 90.1", "PolyBrite 90E", applied at 1- gal./100-ft.^{2}.

Surfacing: — Granules at 30- lbs./100-ft.^{2}.

13. **Deck:** C-15/32 **Incline:** 1/2

Foam: — Carlisle Roof Foam and Coatings Coatings “PremiSEAL 40”,” PremiSEAL 60”, “PremiSEAL 70”, “PremiR+ 40”, “PremiR+ 60”, “PremiR+ 70”, 2-in. minimum thickness.

Base Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-ft^2.

Top Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-ft^2.

Surfacing: — No. 11 Roofing Granules applied at 30-lbs./100-ft^2.

14. **Deck:** C-15/32 **Incline:** 1/2

Foam: — "PolyPUF 2.5" or "PolyPUF 2.8" or "PolyPUF 3.0", 1-in. thick minimum.

Base Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-ft^2.

Top Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB” applied at 1-1/2 gal./100-ft^2.

Surfacing: — No. 11 Roofing Granules at 30-lbs./100-ft^2.

15. Deck: C-15/32 **Incline:** 1/2

Foam: — BASF Corp, “Skytite C3” (2.5-3.0 lb/100 ft^3), minimum 1.5 in thick.
Top Coat: — “PolyBrite 90.2” or “PolyBrite 90W”, applied at 1.5-3.0 gal/100 ft^2.
Surfacing: — No. 11 ceramic coated granules applied at 30 lb/100 ft^2.

16. Deck: NC **Incline:** 2

Foam: — BASF Corp, “Skytite C3” (2.5-3.0 lb/100 ft^3), any thickness.
Top Coat: — “PolyBrite 70”, "PolyBrite 70 QS", "PG 700", “PolyBrite RC Plus”, “Polybrite QS”, "PolyBrite 71", "PolyBrite 71 HS", “PolyBrite BB”, "PolyBrite 75", “PolyBrite HT”, “PolyBrite 35 CA”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55” or “PolyBrite RC” applied at 2-gal./100-ft.2.
Surfacing: — No. 11 ceramic coated granules applied at 30 lb/100 ft^2.

MAINTENANCE AND REPAIR SYSTEMS

Class A, B and C

1. **Deck:** C-15/32 **Incline:** 1

Existing Roof Covering System: — (To maintain existing Classifications) - Any Class A, B or C, uncoated, insulated or uninsulated, modified bitumen membrane or Type G3 mineral surfaced cap BUR roof covering, system.

Base Coat: — "PG 800 Asphalt Emulsion Roof Coating" or “PG800W” applied at 3 to 4-gal./100-ft.^{2} or Brewer Co "Fortress 5001 Asphalt Emulsion" applied at 4-gal./100-ft.^{2}.

Top Coat: — "PolyBrite 70", "PolyBrite 70 QS”, “XtraFlex White Elastomeric Roof Coating", “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55”, “PolyBrite RC”, "PG 700" and "PolyBrite RC Plus", applied at 1-1/2-gal./100-ft.^{2}.

2. **Deck:** C-15/32 **Incline:** 1

Existing Roof Covering System: — (To maintain existing Classifications) - Any Class A, B or C, uncoated, insulated or uninsulated, modified bitumen membrane or Type G3 mineral surfaced cap BUR roof covering system.

Base Coat: — "PG 800 Asphalt Emulsion Roof Coating" applied at 3 to 4-gal./100-ft.^{2}. or Brewer Co "Fortress 5001 Asphalt Emulsion" applied at 4-gal./100-ft.^{2}.

Top Coat: — "PolyPlus 60" or "XtraFlex Aluminum Roof Coating" applied at 3/4 to 1-gal./100-ft.^{2}.

3. **Deck:** C-15/32 **Incline:** 3/4

Existing Roof Covering System: — (To maintain existing Classification) - Any Class A, B or C, coated or uncoated, insulated or uninsulated, smooth surfaced, gravel surfaced (gravel may be removed), or Type G3 mineral surfaced cap sheet BUR system.

Foam: — Carlisle Roof Foam and Coatings “PremiSEAL 40”,” PremiSEAL 60”, “PremiSEAL 70”, “PremiR+ 40”, “PremiR+ 60”, “PremiR+ 70”, minimum 1-in. thick.

Base Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB”, applied at 1-1/2 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB”, applied at 1-1/2 gal./100-ft.^{2}.

Surfacing: — No. 11 roofing granules at a minimum of 35-lbs./100-ft.^{2}.

4. **Deck:** C-15/32 **Incline:** 3/4

Existing Roof Covering System: — Class A, B or C gravel or smooth surfaced BUR (loose gravel may be removed) to maintain existing Classification.

Barrier board: — Minimum 1/4 in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" mechanically fastened with all butt joints staggered a minimum of 6-in. from the plywood roof deck joints.

Foam: — BASF Corp "FE348-2.8" "FE348-3.0" or "SKYTITE 2.5," "SKYTITE 2.8" or "SKYTITE 3.0", 3-in. thick.

Base Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB”, applied at 1-1/2 gal./100-ft^2.

Top Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB”, applied at 1-1/2 gal./100-ft$^{2.}$

Surfacing: — No. 11 roofing granules at 30-lbs./100-ft^2.

5. **Deck:** NC **Incline:** 3/4

Existing Roof Covering System: — Class A, B or C gravel or smooth surfaced BUR roof covering system (loose gravel may be removed), to retain existing Classification, covered with .

Foam: — BASF Corp "FE348-2.5," "FE348-2.8" "FE348-3.0" or "SKYTITE 2.5," "SKYTITE 2.8" or "SKYTITE 3.0", 3-in thick.

Base Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB”, applied at 1-1/2 gal./100-ft.^{2}.

Top Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB”, applied at 1-1/2 gal./100-ft.^{2}.

Surfacing: — No. 11 roofing granules at 30-lbs./100-ft^2.

6. **Deck:** C-15/32 **Incline:** 3/4

Existing Roof Covering System: — Class A, B or C, insulated or uninsulated smooth surface BUR roof covering system to maintain existing Classification.

Foam: — Carlisle Roof Foam “PremiSEAL 40”,” PremiSEAL 60”, “PremiSEAL 70”, “PremiR+ 40”, “PremiR+ 60”, “PremiR+ 70”, minimum 1-in. thick.

Base Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB”, applied at 1-1/2 gal./100-ft^2.

Top Coat: — "PolyBrite 71", "PolyBrite 71 HS" or “PolyBrite BB”, applied at 1-1/2 gal./100-ft^2.

7. **Deck:** C-15/32 **Incline:** See Note 1

Existing Roof Covering System: — (To maintain existing Class A, B or C Classification) — Any Class A, B or C, insulated or uninsulated, EPDM single ply membrane systems to retain existing Classification:
Base Coat (Optional): — "PolyBrite 70", "PolyBrite 70Q", "XtraFlex White Elastomeric Roof Coating", "PolyBrite 71", "PolyBrite 71HS", “PolyBrite 71 Elastomeric Base Coat”, "PolyBrite 75", “PolyBrite HT”, ”PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 71 Elastomeric Base Coat”, “PolyBrite 33 CS”, “PolyBrite 35 CA”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55”, “PolyBrite RC”, "PG 700" and "PolyBrite RC Plus", applied at 1-1/4 gal./100-ft^2.
Reinforcement (optional): — Polyester fabric, Not UL Classified, not to exceed 3-oz/yd.^{2}
Mid Coat: — "PolyBrite 70", "PolyBrite 70QS", "XtraFlex White Elastomeric Roof Coating", "PolyBrite 71", "PolyBrite 71HS", “PolyBrite 71 Elastomeric Base Coat”, "PolyBrite 75", “PolyBrite HT”,”PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 71 Elastomeric Base Coat”, “PolyBrite 33 CS”, “PolyBrite 35 CA”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55”, “PolyBrite RC”, "PG 700" and "PolyBrite RC Plus", applied at 1-1/4 gal./100-ft.^{2}.
Top Coat: — "PolyBrite 70", "PolyBrite 70QS, "XtraFlex White Elastomeric Roof Coating", "PolyBrite 71", "PolyBrite 71HS", “PolyBrite 71 Elastomeric Base Coat”, "PolyBrite 75", “PolyBrite HT”, ”PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 71 Elastomeric Base Coat”, “PolyBrite 33 CS”, “PolyBrite 35 CA”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, "PG 700" and "PolyBrite RC Plus", applied at 1-1/2 gal./100-ft.^{2}.

Note 1: Classification (A, B or C) will be the same as that of the existing Classified Roofing Covering System with a maximum incline of ½ in.

8. **Deck:** NC **Incline:** 1/2

Existing Roof System: — (To maintain existing Classifications) - Any Class A, B or C, uncoated, insulated or uninsulated, modified bitumen membrane or Type G3 mineral surfaced cap BUR system.

Primer (Optional): — "PolyBrite 94.1" (Not UL Classified) or "PolyBrite 98.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Surfacing: — "PolyBrite 90.1", "PolyBrite 90E" or "PolyBrite 95.1", "PolyBrite 95E", applied at 2-gal./100-ft.^{2}.

9. **Deck:** NC **Incline:** See Note 1

Existing Roof System: — Any EPDM, Hypalon or CPA, single ply membrane system.

Primer (Optional): — "PolyBrite 92.1" (Not UL Classified) or "PolyBrite 94.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Surfacing: — "PolyBrite 90.1", "PolyBrite 90E" or "PolyBrite 95.1", "PolyBrite 95E" applied at 2-gal./100-ft.^{2}.

Note 1: Classification (A, B or C) and maximum 2:12 in incline for membrane manufacturer's insulated or uninsulated Roof Covering Systems (TGFU) Certification.

10. **Deck:** NC **Incline:** See Note 1

Existing Roof System: — Any TPO single ply membrane system.

Primer (Optional): — "PolyBrite 94.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Surfacing: — "PolyBrite 90.1", "PolyBrite 90E" or "PolyBrite 95.1", " PolyBrite 95E", applied at 2-gal./100-ft.^{2}.

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the existing insulated or uninsulated membrane roofing system Classification, but not to exceed 3-1/2:12

11. **Deck:** NC **Incline:** See Note 1

Existing Roof System: — Any PVC or TPA single ply membrane system.

Primer (Optional): — "PolyBrite 94.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Surfacing: — "PolyBrite 90.1", "PolyBrite 90E" or "PolyBrite 95.1", " PolyBrite 95E", applied at 2-gal./100-ft.^{2}.

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the existing insulated or uninsulated membrane roofing system Classification, but not to exceed 2-1/2

12. **Deck:** NC **Incline:** 3-1/2, See Note 1

Existing Roof System: — Any Class A, B or C, UL Classified metal panel system.

Primer (Optional): — "PolyBrite 96.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Surfacing: — "PolyBrite 90.1", "PolyBrite 90E" or "PolyBrite 95.1", " PolyBrite 95E", applied at 2-gal./100-ft.^{2}.

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the existing metal panel system Classification, but not to exceed 3-1/2:12

13. **Deck:** C-15/32 **Incline:** 1/2

Existing Roof System: — (To maintain existing Classifications) - Any Class A, B or C, uncoated, insulated or uninsulated, modified bitumen membrane or Type G3 mineral surfaced cap BUR system.

Primer (Optional): — "PolyBrite 94.1" (Not UL Classified) or "PolyBrite 98.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}

Surfacing: — "PolyBrite 90.1", "PolyBrite 90E" or "PolyBrite 95.1", " PolyBrite 95E", applied at 2-gal./100-ft.^{2}.

14. **Deck:** C-15/32 **Incline:** See Note 1

Existing Roof System: — Any EPDM, Hypalon or CPA, single ply membrane system.

Primer (Optional): — "PolyBrite 92.1" (Not UL Classified) or "PolyBrite 94.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Surfacing: — "PolyBrite 90.1", "PolyBrite 90E" or "PolyBrite 95.1", " PolyBrite 95E", applied at 2-gal./100-ft.^{2}.

Note 1: Classification (A, B or C) and maximum 2:12 incline for membrane manufacturer's insulated or uninsulated Roofing Systems (TGFU) Certification.

15. **Deck:** C-15/32 **Incline:** See Note 1

Existing Roof System: — Any TPO single ply membrane system.

Primer (Optional): — "PolyBrite 94.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft. ^{2}.

Surfacing: — "PolyBrite 90.1", "PolyBrite 90E" or "PolyBrite 95.1", " PolyBrite 95E", applied at 2-gal./100-ft.^{2}.

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the existing insulated or uninsulated membrane roofing system Classification, but not to exceed 3-1/2:12

16. **Deck:** C-15/32 **Incline:** See Note 1

Existing Roof System: — Any PVC or TPA single ply membrane system.

Primer (Optional): — "PolyBrite 94.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Surfacing: — "PolyBrite 90.1", "PolyBrite 90E" or "PolyBrite 95.1", " PolyBrite 95E", applied at 2-gal./100-ft.^{2}.

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the existing insulated or uninsulated membrane roof covering system Classification, but not to exceed 2-1/2:12

17. **Deck:** C-15/32 **Incline:** 3-1/2, See Note 1

Existing Roof System: — Any Class A, B or C, UL Classified metal panel system.

Primer (Optional): — "PolyBrite 96.1" (Not UL Classified), applied at 1/3 to 1/2 gal./100-ft.^{2}.

Surfacing: — "PolyBrite 90.1", "PolyBrite 90E" or "PolyBrite 95.1", " PolyBrite 95E", applied at 2-gal./100-ft.^{2}.

18. **Deck:** C-15/32 **Incline:** 3/4

Existing Roof System: — Class A, B or C gravel or smooth surfaced BUR (loose gravel may be removed) to maintain existing Classification.

Barrier Board: — Minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" or minimum 1/4-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G)" or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) or minimum 1/2-in. thick gypsum board mechanically fastened.

Foam: — "PolyPUF 2.5", "PolyPUF 2.8" or "PolyPUF 3.0", 3-in. thick.

Base Coat: — "PolyBrite 71 HS" or “PolyBrite BB”, applied at 1-1/2 gal./100-ft^2.

Top Coat: — "PolyBrite 71 HS" or “PolyBrite BB”, applied at 1-1/2 gal./100-ft^2.

Surfacing: — No. 11 roofing granules applied at 30-lbs./100-ft^2.

19. **Deck:** NC **Incline:** 3/4

Existing Roof System: — Class A, B or C gravel or smooth surfaced BUR (loose gravel may be removed) to maintain existing Classification.

Foam: — "PolyPUF 2.5", "PolyPUF 2.8" or "PolyPUF 3.0", 3-in. thick.

Base Coat: — "PolyBrite 71 HS" or “PolyBrite BB”, applied at 1-1/2 gal./100-ft^2.

Top Coat: — "PolyBrite 71 HS" or “PolyBrite BB”, applied at 1-1/2 gal./100-ft^2.

Surfacing: — No. 11 roofing granules applied at 30-lbs./100-ft^2.

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the existing metal panel system Classification, but not to exceed 3-1/2:12

20. **Deck:** C-15/32 **Incline:** See Note 1

Existing Roof Covering System: — (To maintain existing Class A, B or C Classification) — Any Class A, B or C, insulated or uninsulated, EPDM, TPO, Hypalon, PVC, TPA or CPE single ply membrane systems or modified bitumen membrane roof covering systems to retain existing Classification:

Top Coat: — "Turbo-Set" applied at 4-gal./100-ft.^{2}.

Note 1: Classification (A, B or C) will be the same as that of the existing Classified Roofing Covering System with a maximum incline of 3:12.

21. **Deck:** C-15/32 **Incline:** 1/2

Existing Roof System: — Class A, B or C insulated or uninsulated smooth surfaced BUR, APP or SBS modified bitumen roof covering system, to retain existing Classification, covered with
Insulation (optional): — Minimum 1-in. thick polyisocyanurate mechanically fastened or adhered with UL Classified insulation adhesive
Primer: — One application "Polyglass PMMA Flexible Primer" or "Polyglass PMMA Concrete/Wood Primer" applied at 0.5-kg/m^2
Base Coat: — One application "Polyglass PMMA Resin" applied at 2.0-kg/m^2
Reinforcement: — One ply 110-g/m^2 polyester mat or 450-g/m^2 fiberglass mat embedded into wet base coat
Top Coat: — One application "Polyglass PMMA Resin" applied at 1.3-kg/m^2
Surfacing: — One application of “Polyglass PMMA LTS Surface Finish” applied at 0.6-kg/m^2

22. **Deleted**

23. **Deck:** NC **Incline:** Unlimited

Existing Roof System: — Class A, B or C metal roofing system or concrete roofing system, to retain existing Classification, covered with:
Base Coat: - “PolyBrite 90.2” or “PolyBrite 90W”, applied at 1.5 gal/100ft^2
Top Coat: - “PolyBrite 90.2” or “PolyBrite 90W”, applied at 1.5 gal/100ft^2

24. **Deck:** C-15/32 **Incline:** See Note 1

Existing Roof Covering System: — (To maintain existing Class A, B or C Classification) — Any Class A, B or C, insulated or uninsulated TPA single ply membrane systems to retain existing Classification:

Base Coat (Optional): — "PolyBrite 70", "PolyBrite 70Q", "XtraFlex White Elastomeric Roof Coating", "PolyBrite 71", "PolyBrite 71HS", “PolyBrite 71 Elastomeric Base Coat”, "PolyBrite 75", “PolyBrite HT”, ”PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 71 Elastomeric Base Coat”, “PolyBrite 33 CS”, “PolyBrite 35 CA”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55”, “PolyBrite RC”, "PG 700" and "PolyBrite RC Plus", applied at 1-1/4 gal./100-ft^2.
Reinforcement (optional): — Polyester fabric, Not UL Classified, not to exceed 3-oz/yd.^{2}
Mid Coat: — "PolyBrite 70", "PolyBrite 70QS", "XtraFlex White Elastomeric Roof Coating", "PolyBrite 71", "PolyBrite 71HS", “PolyBrite 71 Elastomeric Base Coat”, "PolyBrite 75", “PolyBrite HT”, ”PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 71 Elastomeric Base Coat”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55”, “PolyBrite RC”, “PolyBrite RC”, "PG 700" and "PolyBrite RC Plus", applied at 1-1/4 gal./100-ft.^{2}.
Top Coat: — "PolyBrite 70", "PolyBrite 70QS, "XtraFlex White Elastomeric Roof Coating", "PolyBrite 71", "PolyBrite 71HS", “PolyBrite 71 Elastomeric Base Coat”, "PolyBrite 75", “PolyBrite HT”, ”PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 71 Elastomeric Base Coat”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55”, “PolyBrite RC”, "PG 700" and "PolyBrite RC Plus", applied at 1-1/2 gal./100-ft.^{2}.

Note 1: Classification (A, B or C) will be the same as that of the existing Classified Roofing Covering System with a maximum incline of 1 ½ in.

25. **Deck:** C-15/32 **Incline:** See Note 1

Existing Roof Covering System: — (To maintain existing Class A, B or C Classification) — Any Class A, B or C, insulated or uninsulated TPO, Hypalon, or CPE single ply membrane systems to retain existing Classification:
Base Coat (Optional): — "PolyBrite 70", "PolyBrite 70Q", "XtraFlex White Elastomeric Roof Coating", "PolyBrite 71", "PolyBrite 71HS", “PolyBrite 71 Elastomeric Base Coat”, "PolyBrite 75", “PolyBrite HT”, ”PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 71 Elastomeric Base Coat”, “PolyBrite 33 CS” , “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55”, “PolyBrite RC”, "PG 700" and "PolyBrite RC Plus", applied at 1-1/4 gal./100-ft^2.
Reinforcement (optional): — Polyester fabric, Not UL Classified, not to exceed 3-oz/yd.^{2}
Mid Coat: — "PolyBrite 70", "PolyBrite 70QS", "XtraFlex White Elastomeric Roof Coating", "PolyBrite 71", "PolyBrite 71HS", “PolyBrite 71 Elastomeric Base Coat”, "PolyBrite 75", “PolyBrite HT”, ”PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 71 Elastomeric Base Coat”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55”, “PolyBrite RC”, "PG 700" and "PolyBrite RC Plus", applied at 1-1/4 gal./100-ft.^{2}.
Top Coat: — "PolyBrite 70", "PolyBrite 70QS, "XtraFlex White Elastomeric Roof Coating", "PolyBrite 71", "PolyBrite 71HS", “PolyBrite 71 Elastomeric Base Coat”, "PolyBrite 75", “PolyBrite HT”, ”PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 71 Elastomeric Base Coat”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55”, “PolyBrite RC”, "PG 700" and "PolyBrite RC Plus", applied at 1-1/2 gal./100-ft.^{2}.

Note 1: Classification (A, B or C) will be the same as that of the existing Classified Roofing Covering System with a maximum incline of ¾ in.

26. **Deck:** C-15/32 **Incline:** See Note 1

Existing Roof Covering System: — (To maintain existing Class A, B or C Classification) — Any Class A, B or C, insulated or uninsulated PVC single ply membrane systems to retain existing Classification:
Base Coat (Optional): — "PolyBrite 70", "PolyBrite 70Q", "XtraFlex White Elastomeric Roof Coating", "PolyBrite 71", "PolyBrite 71HS", “PolyBrite 71 Elastomeric Base Coat”, "PolyBrite 75", “PolyBrite HT”, ”PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 71 Elastomeric Base Coat”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55”, “PolyBrite RC”, "PG 700" and "PolyBrite RC Plus", applied at 1-1/4 gal./100-ft^2.
Reinforcement (optional): — Polyester fabric, Not UL Classified, not to exceed 3-oz/yd.^{2}
Mid Coat: — "PolyBrite 70", "PolyBrite 70QS", "XtraFlex White Elastomeric Roof Coating", "PolyBrite 71", "PolyBrite 71HS", “PolyBrite 71 Elastomeric Base Coat”, "PolyBrite 75", “PolyBrite HT”, ”PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 71 Elastomeric Base Coat”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55”, “PolyBrite RC”, "PG 700" and "PolyBrite RC Plus", applied at 1-1/4 gal./100-ft.^{2}.
Top Coat: — "PolyBrite 70", "PolyBrite 70QS, "XtraFlex White Elastomeric Roof Coating", "PolyBrite 71", "PolyBrite 71HS",

“PolyBrite 71 Elastomeric Base Coat”, "PolyBrite 75", “PolyBrite HT”, ”PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 71 Elastomeric Base Coat”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55”, “PolyBrite RC”, "PG 700" and "PolyBrite RC Plus", applied at 1-1/2 gal./100-ft.^{2}.

Note 1: Classification (A, B or C) will be the same as that of the existing Classified Roofing Covering System with a maximum incline of 3 in.

27. **Deck:** C-15/32 **Incline:** See Note 1

Existing Roof Covering System: — (To maintain existing Class A, B or C Classification) — Any Class A, B or C, insulated or uninsulated modified bitumen membrane systems or BUR roof covering systems to retain existing Classification:
Base Coat (Optional): — "PolyBrite 70", "PolyBrite 70Q", "XtraFlex White Elastomeric Roof Coating", "PolyBrite 71", "PolyBrite 71HS", “PolyBrite 71 Elastomeric Base Coat”, "PolyBrite 75", “PolyBrite HT”, ”PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 71 Elastomeric Base Coat”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55”, “PolyBrite RC”, "PG 700" and "PolyBrite RC Plus", applied at 1-1/4 gal./100-ft^2.
Reinforcement (optional): — Polyester fabric, Not UL Classified, not to exceed 3-oz/yd.^{2}
Mid Coat: — "PolyBrite 70", "PolyBrite 70QS", "XtraFlex White Elastomeric Roof Coating", "PolyBrite 71", "PolyBrite 71HS", “PolyBrite 71 Elastomeric Base Coat”, "PolyBrite 75", “PolyBrite HT”, ”PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 71 Elastomeric Base Coat”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55”, “PolyBrite RC”, "PG 700" and "PolyBrite RC Plus", applied at 1-1/4 gal./100-ft.^{2}.
Top Coat: — "PolyBrite 70", "PolyBrite 70QS, "XtraFlex White Elastomeric Roof Coating", "PolyBrite 71", "PolyBrite 71HS", “PolyBrite 71 Elastomeric Base Coat”, "PolyBrite 75", “PolyBrite HT”, ”PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 71 Elastomeric Base Coat”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55”, “PolyBrite RC”, "PG 700" and "PolyBrite RC Plus", applied at 1-1/2 gal./100-ft.^{2}.

Note 1: Classification (A, B or C) will be the same as that of the existing Classified Roofing Covering System with a maximum incline of 1 in.

28. **Deck:** C-15/32 **Incline:** See Note 1

Existing Roof Covering System: — (To maintain existing Class A, B or C Classification) — Any Class A, B or C, insulated or uninsulated PVC single ply membrane systems to retain existing Classification:
Base Coat (Optional): — "PolyBrite 70", "PolyBrite 70Q", "XtraFlex White Elastomeric Roof Coating", "PolyBrite 71", "PolyBrite 71HS", “PolyBrite 71 Elastomeric Base Coat”, "PolyBrite 75", “PolyBrite HT”, ”PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 71 Elastomeric Base Coat”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55”, “PolyBrite RC”, "PG 700" and "PolyBrite RC Plus", applied at 4 gal./100-ft^2.
Reinforcement (optional): — Polyester fabric, Not UL Classified, not to exceed 3-oz/yd.^{2}
Mid Coat: — "PolyBrite 70", "PolyBrite 70QS", "XtraFlex White Elastomeric Roof Coating", "PolyBrite 71", "PolyBrite 71HS", “PolyBrite 71 Elastomeric Base Coat”, "PolyBrite 75", “PolyBrite HT”, ”PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 71 Elastomeric Base Coat”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55”, “PolyBrite RC”, "PG 700" and "PolyBrite RC Plus", applied at 1-1/2 gal./100-ft.^{2}.
Top Coat: — "PolyBrite 70", "PolyBrite 70QS, "XtraFlex White Elastomeric Roof Coating", "PolyBrite 71", "PolyBrite 71HS", “PolyBrite 71 Elastomeric Base Coat”, "PolyBrite 75", “PolyBrite HT”, ”PolyBrite 35 CA” , “PolyBrite 33 CS”, “PolyBrite 71 Elastomeric Base Coat”, “PolyBrite 33 CS”, “PolyBrite 90 High Solids Silicone”, “PolyBrite 95 Silicone”, “PolyBrite 55”, “PolyBrite RC”, "PG 700" and "PolyBrite RC Plus", applied at 4 gal./100-ft.^{2}.

Note 1: Classification (A, B or C) will be the same as that of the existing Classified Roofing Covering System with a maximum incline of 1 ½ in.

29. Deck: NC **Incline:** Note 1

Existing Roof System: — Class A, B or C uncoated, insulated or uninsulated TPO single ply membrane system, mechanically fastened or fully adhered, to retain existing Classification

Top Coat: - “PolyBrite 90.2” or “PolyBrite 90W”, applied at 1.5 – 3.0 gal/100ft^2.

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the Classified Roofing System (TGFU), though the incline shall not exceed 1/2:12.

30. Deck: NC **Incline:** Note 1

Existing Roof System: — Class A, B or C uncoated, insulated or uninsulated TPO single ply membrane system, mechanically fastened or fully adhered, to retain existing Classification.
Top Coat: - “PolyBrite 90.2” or “PolyBrite 90W”, applied at 1.5 – 3.0 gal/100ft^2.

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the Classified Roofing System (TGFU), though the incline shall not exceed 1/2:12.

31. Deck: NC **Incline:** See Note 1

Existing Roof System: — Any Class A, B or C uncoated, insulated or uninsulated, modified bitumen membrane or Type G3 mineral surfaced cap BUR system, to retain existing Classification.
Top Coat: — “PolyBrite 90.2” or “PolyBrite 90W”, applied at 1.5-3.0 gal/100 ft^2.

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the Classified Roofing System (TGFU), though incline shall not exceed 1:12.

32. Deck: C-15/32 **Incline:** See Note 1

Existing Roof System: — Any Class A, B or C uncoated, insulated or uninsulated, modified bitumen membrane or Type G3 mineral surfaced cap BUR system, to retain existing Classification.
Top Coat: — “PolyBrite 90.2” or “PolyBrite 90W”, applied at 1.5-3.0 gal/100 ft^2.

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the Classified Roofing System (TGFU), though incline shall not exceed 1:12.

33. Deck: NC **Incline:** See Note 1

Existing Roof System: — Any Class A, B or C uncoated, insulated or uninsulated, PVC single ply membrane system, mechanically fastened or fully adhered, to retain existing Classification.
Top Coat: — “PolyBrite 90.2” or “PolyBrite 90W”, applied at 1.5-3.0 gal/100 ft^2.

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the Classified Roofing System (TGFU).

34. Deck: C-15/32 **Incline:** See Note 1

Existing Roof System: — Any Class A, B or C uncoated, insulated or uninsulated, PVC single ply membrane system, mechanically fastened or fully adhered, to retain existing Classification.
Top Coat: — “PolyBrite 90.2” or “PolyBrite 90W”, applied at 1.5-3.0 gal/100 ft^2.

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the Classified Roofing System (TGFU).

35. Deck: NC **Incline:** See Note 1

Existing Roof System: — Any Class A, B or C uncoated, insulated or uninsulated, EPDM single ply membrane system, mechanically fastened or fully adhered, to retain existing Classification.
Top Coat: — “PolyBrite 90.2” or “PolyBrite 90W”, applied at 1.5-3.0 gal/100 ft^2.

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the Classified Roofing System (TGFU), though incline shall not exceed 1/2:12.

36. Deck: C-15/32 **Incline:** See Note 1

Existing Roof System: — Any Class A, B or C uncoated, insulated or uninsulated, EPDM single ply membrane system, mechanically fastened or fully adhered, to retain existing Classification.
Top Coat: — "PolyBrite 90.2" or "PolyBrite 90W", applied at 1.5-3.0 gal/100 ft^2.

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the Classified Roofing System (TGFU), though incline shall not exceed 1/2:12.

37. **Deck:** NC **Incline:** See Note 1

Existing Roof System: — Any Class A, B or C uncoated, insulated or uninsulated, Type G3 mineral surfaced cap BUR system, to retain existing Classification.
Base Coat: — "Fortrix PMMA" or "Fortrix PMMA LO", applied at 3.91 lb/100 ft^2.
Reinforcement: — While the base coat of "Fortrix PMMA" or "Fortrix PMMA LO" is wet, a layer of nonwoven, needled punched polyester reinforcement fabric maximum weight 125 g/m^2 is applied and rolled so that air bubbles are removed.
Top Coat: — "Fortrix PMMA" or "Fortrix PMMA LO", applied at 1.95 lb/100 ft^2.
Finish Coat (Optional): — "Fortrix SR T" applied at 0.5 kg/m2 with decorative pigmented acrylic chips (not UL Classified) applied at 0.006 kg/ft^2 embedded into wet top coat.

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the Classified Roofing System (TGFU), though incline shall not exceed 1/2:12.

Class A

1. **Deck:** NC **Incline:** 3

Existing Roof System: — Class A, B or C insulated or uninsulated, smooth surfaced or gravel surfaced (loose gravel to be removed) or modified bitumen.
Ply Sheet (Optional): — One or more plies polyester fabric, 2-3/4 to 3 oz per sq yd, embedded in 3 gal/sq of "PG 800 W" for each ply.
Coating: — "PG 800 W" at 9 gal/sq sprayed simultaneously with chopped glass fiber roving at 3 lbs/sq.

2. **Deck:** C-15/32 **Incline:** See Note 1

Existing Roof System: — Any Class A, B or C insulated or uninsulated roofing system, mechanically fastened or fully adhered, covered with:
Barrier Board: — Minimum ¼-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck® Prime Roofboard" or "DensDeck® DuraGuard™ Roofboard"; or 5/8-in. thick Georgia-Pacific Gypsum LLC "DensDeck Prime® STORMX™ Roofboard"; or minimum ¼-in. thick United States Gypsum Co. "SECUROCK® Roof Board" (Type FRX-G) or "SECUROCK® Glass-Mat Roof Board" (Type SGMRX) or "SECUROCK UltraLight Coated Glass-Mat Roof Board" (Type SGMRX) or minimum ¼-in. thick National Gypsum Co "DEXcell Glass Mat Roof Board" or "DEXcell FA Glass Mat Roof Board" or "DEXcell FA VSH".
Roofing System: — UL Classified Class A combustible or noncombustible roofing system.

Note 1: Classification (Class A) and maximum incline will be the same as that of the Classified Roofing System (TGFU).

ASPHALT FELT SYSTEMS WITH HOT ROOFING ASPHALT

Class A

1. **Deck:** NC **Incline:** 3

Base Sheet: — "Polyglass Vented Base", "Polyglass G2 Base", "Polyglass Ply 4", "Polyglass Ply 6", "XtraFlex G2 Base", "XtraFlex Ply VI", "XtraFlex Ply IV", mechanically fastened or hot mopped. May use Black Warrior Roofing Inc "Modified BUR Asphalt".

Insulation (Optional): — Perlite or Glass fiber, any thickness, mechanically fastened or hot mopped. May use Black Warrior Roofing Inc "Modified BUR Asphalt".

Ply Sheets: — One or more plies "Polyglass G2 Base", "Polyglass Ply 4", "Polyglass Ply 6", "XtraFlex G2 Base", "XtraFlex Ply VI" or "XtraFlex Ply IV".

Surfacing: — Gravel, crushed stone or crushed slag, in a flood coat of hot roofing asphalt.

2. **Deck:** NC **Incline:** 3

Insulation (optional): — One or more layers of the following or combination of the following, 4 in. max total thickness: Polyisocyanurate, glass fiber, perlite, or wood fiber.
Note: Polyisocyanurate must be covered with glass fiber, perlite, or wood fiber, 15/16 in. minimum.
Ply Sheet (optional): —“Mapeseal LMR Fabric” (not UL Classified).
Ply Sheet: — 3 plies Type G1 or G2.
Surfacing: — Gravel.
Optional: - May be mechanically attached or adhered with modified hot roofing asphalt "Polyglass HRA".

3. **Deck:** NC **Incline:** 2

Insulation (optional): — One or more layers of the following or combination of the following, 4 in. max total thickness: Polyisocyanurate, glass fiber, perlite, or wood fiber.
Note: Polyisocyanurate must be covered with glass fiber, perlite, or wood fiber, 15/16 in. minimum.
Ply Sheet (optional): — “Mapeseal LMR Fabric” (not UL Classified).
Ply Sheet: — 3 plies Type G1 or G2.
Surfacing: — Gravel, loose laid.
Optional: - May be mechanically attached or adhered with modified hot roofing asphalt "Polyglass HRA".

SINGLE PLY MEMBRANE ROOFING SYSTEMS

Class A - Ballasted

1. **Deck:** NC **Incline:** 3

Membrane: — Any UL Classified PVC, EPDM, CPE, CSPE, TRE, nitrile alloy or modified bitumen, loose laid or mechanically fastened.

Insulation: — "Polytherm G".

Surfacing: — River bottom stone (3/4 to 1-3/4 in. diameter.) 1000-lbs/100-ft.^{2}.

2. **Deck:** NC **Incline:** 2

Insulation: — Any UL Classified insulation, any thickness, any combination.
Membrane: — Any UL Classified modified bitumen, PVC, TPO, EPDM membrane adhered with “PG SFA” applied at 1.5 - 2.0 gal./100-ft.^{2}.
Surfacing: — River bottom stone (3/4 to 1-1/2 in. diameter) at 1000-lb/100-ft.^{2}.

3. **Deck:** NC **Incline:** 2

Coating: “PG800W” applied at 4 gal./100-ft.^{2}.
Surfacing: — River bottom stone (3/4 to 1-1/2 in. diameter) at 1000-lb/100-ft.^{2}.

4. **Deck:** NC **Incline:** 1

Insulation: — Dow Chemical "Styrofoam" polystyrene, Celotex "Thermax" polyurethane, glass fiber or perlite, 3/4 to 2 in., laid loosely.
Membrane: — “Mapeplan PVC”, “Mapeplan KEE”, or “Mapeplan KEE FB”, laid loosely.
Surfacing: — Gravel at 600 lb/100-ft.^{2}, laid loosely.

5. **Deck:** NC **Incline:** 2

Insulation: — One layer perlite, 3/4 in., laid loosely, followed by one layer Dow Chemical "U-Thane 210", 1 to 5 in., laid loosely.
Membrane: — “Mapeplan PVC”, “Mapeplan KEE”, or “Mapeplan KEE FB”, laid loosely.
Surfacing: — River bottom stone (3/4 to 1-1/2 in. diameter) at 1000 lb/100-ft^2.

6. **Deck:** C-15/32 **Incline:** 1/2

Insulation: — Polystyrene, 1 to 3 in., laid loosely.
Slip Sheet: — Flex Membrane "Flex FR-50", Atlas Roofing Corp. "FR-50", laid loosely.
Membrane: — “Mapeplan PVC”, “Mapeplan KEE”, or “Mapeplan KEE FB”, laid loosely.
Surfacing: — Gravel at 1000 lb/100-ft^2

7. **Deck:** NC **Incline:** 1/2

Insulation: — Arco Chemical "Arcor SP", uniform thickness or tapered, 1.6 in. min, laid loosely or mechanically fastened.
Membrane: — “Mapeplan PVC”, “Mapeplan KEE”, or “Mapeplan KEE FB”, laid loosely.
Surfacing: — River bottom stone (3/4 to 1-1/2 in. diameter) at 1000 lb/100-ft^2.

8. **Deck:** C-15/32 **Incline:** 1/2

Insulation: — Arco Chemical "Arcor MB" or "Arcor FM-1", uniform thickness or tapered, 1.6 in. min, mechanically fastened.
Membrane: — “Mapeplan PVC”, “Mapeplan KEE”, or “Mapeplan KEE FB”, laid loosely.
Surfacing: — River bottom stone (3/4 to 1-1/2 in. diameter) at 1000 lb/100-ft^2

9. **Deck:** Structural Cement Fiber Unit **Incline:** 1/2

Insulation: — Glass fiber, perlite or polyisocyanurate, any thickness.
Membrane: — “Mapeplan PVC”, “Mapeplan KEE”, or “Mapeplan KEE FB”, laid loosely. laid loosely.
Surfacing: — Gravel at 1000 lb/100-ft^2, laid loosely.

10. **Deck:** NC **Incline:** 2

Insulation: — Polyisocyanurate, glass fiber, perlite/polyisocyanurate composite any thickness, laid loosely or mechanically fastened.
Membrane: — Any UL Classified EPDM fully adhered with "Mapeplan P WB" bonding adhesive applied at 1-gal/75 -100-ft^2. The 4-in. and 6-in. overlapping joints are sealed with Amrize Building Envelope LLC "TACC FA555, FA662 or FA715" splicing adhesive applied at 1-gal/50-ft^2. Edges of the joints are sealed with a nom 1/4-in. bead of Amrize Building Envelope LLC "TACC SM-205" lap sealant.
Surfacing: — River bottom stone, 3/4 to 11/2-in. diameter, applied at 1000-lbs/100-ft^2.

11. **Deck:** NC **Incline:** 2

Insulation: — Polyisocyanurate, glass fiber, perlite/polyisocyanurate composite any thickness, laid loosely or mechanically fastened.
Membrane: — Any UL Classified PVC fully adhered with "Mapeplan P SB" or "Mapeplan P CA" bonding adhesive applied at 1-gal/75 - 100/ft^2.
Surfacing: — River bottom stone, 3/4 to 11/2-in. diameter applied at 1000-lbs/100-ft^2.
Surfacing: — River bottom stone, 3/4 to 11/2-in. diameter applied at 1000-lbs/100-ft^2.

Class A - Fully Adhered

Unless otherwise indicated in the systems described below, the following optional method may be used to install the “Mapeplan KEE FB” membrane. Apply hot roofing asphalt to insulation at 25-lb/100-ft^2 and heat fuse membrane to insulation by torching the asphalt and rolling the membrane into the softened asphalt. Seams must be free of asphalt and sealed by hot air.

1. **Deck:** C-15/32 **Incline:** 1/2

Insulation (Optional): — Polyisocyanurate, any thickness.
Barrier Board: — Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" , 1/4 in. (minimum) with all joints staggered a minimum of 6-in. from plywood roof deck joints.
Membrane: — “Mapeplan KEE FB”, fully adhered with OMG “Low Rise Adhesive” 3/4 in. wide beads spaced 12 in. OC. or "Mapeplan P WB" at a rate of 80 sq. ft

2. **Deck:** NC **Incline:** 1

Insulation (Optional): — Polystyrene any thickness.
Barrier Board: — 1/4 in. (minimum) Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard".
Membrane: — “Mapeplan KEE FB”, hot mopped or fully adhered with OMG “Low Rise Adhesive” 3/4 in. wide beads spaced 12 in. OC.

3. **Deck:** NC **Incline:** 1

Insulation (Optional): — Cellular concrete, vermiculite concrete, perlite concrete, or structural concrete.
Membrane: —“Mapeplan KEE FB”, fully adhered with hot roofing asphalt at 25-lb/100-ft.^{2} or OMG “Low Rise Adhesive” 3/4 in. wide beads spaced 12 in. OC.

4. **Deck:** C-15/32 **Incline:** 3

Barrier Board: — Georgia-Pacific Gypsum Corp. 1/4-in. (minimum) "DensDeck®," "DensDeck Prime®", "DuraGuard®" or minimum 1/2 in. UL Classified gypsum board, mechanically fastened with all joints staggered 6 in. minimum from the plywood joints.
Membrane: — "Mapeplan PVC FB" or “Mapeplan KEE FB” 50-80 mil, adhered with “Mapeplan P WB" at a rate of 80 sq. ft

5. **Deck:** NC **Incline:** 3

Barrier Board (Optional): — Georgia-Pacific Gypsum Corp. 1/4-in. (minimum) "DensDeck®," "DensDeck Prime®", "DuraGuard®" or minimum 1/2 in. UL Classified gypsum board, mechanically fastened.
Membrane: — "Mapeplan PVC FB" or “Mapeplan KEE FB” 50-80 mil, adhered with “Mapeplan P WB" at a rate of 80 sq. ft.

6. **Deck:** NC **Incline:** 1

Insulation (Optional): — Flex Membrane "Flex ISO II", Firestone Building Products Co. LLC "ISO 95+GL", Atlas Roofing Corp. "ACFoam II", any thickness.
Membrane: — "Mapeplan PVC FB" or “Mapeplan KEE FB” 50-80 mil, adhered with “Mapeplan P WB" at a rate of 80 sq. ft, or Johns Manville “ENRGY 3” insulation board.

7. **Deck:** C-15/32 **Incline:** 2

Barrier Board: — Georgia-Pacific Gypsum LLC 1/4-in. (minimum) "DensDeck®," "DensDeck Prime®", "DuraGuard®" or minimum 1/2 in. UL Classified gypsum board mechanically fastened with all joints staggered 6 in. minimum from the plywood joints.
Membrane: — "Mapeplan PVC FB" or “Mapeplan KEE FB” 50-80 mil, adhered with OMG “Low Rise Adhesive” 3/4 in. wide beads spaced 12 in. OC. , or “Mapeplan P WB" at a rate of 80 sq. ft.

8. **Deck:** NC **Incline:** 2

Barrier Board (Optional): — Georgia-Pacific Gypsum LLC 1/4-in. (minimum) "DensDeck®," "DensDeck Prime®", "DuraGuard®" or minimum. 1/2 in. UL Classified gypsum board, mechanically fastened.
Membrane: — "Mapeplan PVC FB" or “Mapeplan KEE FB” 50-80 mil, adhered with OMG “Low Rise Adhesive” 3/4 in. wide beads spaced 12 in. OC. , or “Mapeplan P WB" at a rate of 80 sq. ft.

9. **Deck:** NC **Incline:** 1-1/2

Insulation (Optional): — "Flex ISO II", Firestone Building Products Co. LLC "ISO 95+GL", Atlas Roofing Corp. "ACFoam II", any thickness.
Membrane: —"Mapeplan PVC FB" or “Mapeplan KEE FB” 50-80 mil, adhered with OMG “Low Rise Adhesive” 3/4 in. wide beads spaced 12 in. OC., or “Mapeplan P WB" at a rate of 80 sq. ft.

10. **Deck:** NC **Incline:** 1

Insulation (Optional): — Flex Membrane "Flex ISO II", Firestone Building Products Co. LLC "ISO 95+GL", Atlas Roofing Corp. "ACFoam II", Rmax Operating LLC "Thermaroof Plus-3" or "Multi-Max-3", any thickness.

Membrane: — "Mapeplan PVC FB" or “Mapeplan KEE FB” 50-80 mil, adhered with OMG “Low Rise Adhesive” 3/4 in. wide beads spaced 12 in. OC.

11. **Deck:** C-15/32 **Incline:** 3

Barrier Board: — Georgia-Pacific Gypsum Corp. "DensDeck ® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard", or minimum 1/4-in. thick United States Gypsum Co. “SECUROCK Glass-Mat Roof Board (Type SGMRX”) or 1/4 in. minimum, National Gypsum Co. "DEXcell Glass Mat Roof Board" or "DEXcell FA Glass Mat Roof Board" with all butt joints in barrier board staggered a minimum of 6-in. from butt joints in plywood deck.
Insulation (Optional): — Flex Membrane "Flex ISO II", Firestone Building Products Co. LLC "ISO 95+GL", Atlas Roofing Corp. "ACFoam II", Rmax Operating LLC "Thermaroof Plus-3" or "Multi-Max-3", any thickness.
Membrane: — "Mapeplan PVC" or ”Mapeplan KEE” 50-80 mil, adhered with “Mapeplan P SB” or at a rate of 50 - 60 /gal.

Class A - Mechanically Fastened

1. **Deck:** C-15/32 **Incline:** 1/2

Slip Sheet: — One layer Atlas Roofing Corp. "FR10" or "FR50".

Insulation: — "Polytherm G", minimum 1.5-in. thick with all butt joints staggered a minimum of 6-in.from plywood roof deck butt joints.

Membrane: — One of the following:

1. Duro-Last Inc "Duro-Last" (PVC)
2. Burke Industries "M-341", "M-354" or "M-358" (CSPE)
3. Sika-Sarnafil "G410" or "S327" (PVC)

Class A - Mechanically Fastened (TPA, PVC)

1. **Deck:** NC **Incline:** 1/4

Insulation: — Dow Chemical "Hy-Tec", 2 in. thick maximum.
Membrane: — “Mapeplan PVC” or “Mapeplan KEE”.

2. **Deck:** NC **Incline:** 1

Insulation: — Polystyrene, any thickness.
Barrier Board: — 3/4 in thick minimum perlite.
Membrane: — “Mapeplan PVC” or “Mapeplan KEE”.

3. **Deck:** C-15/32 **Incline:** 1

Barrier Board: — 5/8 in. thick gypsum board, mechanically fastened with 6 in. offset of the gypsum joints from the plywood joints.
Insulation: — Polystyrene, any thickness.
Barrier Board: — 3/4 in. thick perlite board.
Membrane: — “Mapeplan PVC” or “Mapeplan KEE”.

4. **Deck:** C-15/32 **Incline:** 2

Insulation (Optional): — Polyisocyanurate, any thickness.
Barrier Board: — Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard", or United States Gypsum Co. “SECUROCK Glass-Mat Roof Board (Type SGMRX”) or National Gypsum Co. "DEXcell Glass Mat Roof Board" or "DEXcell FA Glass Mat Roof Board", 1/4 in. thick (minimum) with all joints staggered a minimum of 6 in. from the plywood joints.
Membrane: — “Mapeplan PVC” or “Mapeplan KEE”.

5. **Deck:** NC **Incline:** 1

Insulation: — Flex Membrane "Flex ISO II", Firestone Building Products Co. LLC "Iso 95+GL", Atlas Roofing Corp. "ACFoam II", any thickness.
Membrane: — “Mapeplan PVC” or “Mapeplan KEE”.

6. **Deck:** NC **Incline:** 2-1/2

Vapor Barrier (Optional): — (Not UL Classified): — (1) 6 mil polyethylene (2) B F Goodrich "Permate", (3) Johns Manville "Asbestogard", (4) Fortifiber "Pyro-Kure 600" or (5) Fortifiber "Vaporstop 298".
Insulation: — One or more of the following or combinations, any thickness: Flex Membrane "Flex ISO II", Rmax Operating LLC "Thermaroof Plus-3" or "Multi Max-3", Atlas Roofing Corp. "ACFoam II" or Johns Manville "ENRGY 3".
Membrane: — “Mapeplan PVC” or “Mapeplan KEE” 50-100 mil.

7. **Deck:** NC **Incline:** 1/2

Insulation: — Rmax Operating LLC "Thermaroof Plus-3" or "Multi-Max-3", any thickness.
Membrane: — “Mapeplan PVC” or “Mapeplan KEE”.

Class C - Mechanically Fastened (TPA, PVC)

1. **Deck:** C-15/32 **Incline:** 1

Insulation: — Dow Chemical "Hy-Tec" or "Energy-Lok", any thickness, joints in insulation offset 6 in. from joints in deck.
Membrane: — “Mapeplan PVC” or “Mapeplan KEE”.

2. **Deck:** C-15/32 **Incline:** 1

Slip Sheet: — Flex Membrane "Flex FR-50", Atlas Roofing Corp. "FR-50".
Membrane: — “Mapeplan PVC” or “Mapeplan KEE”.

Class A, B or C (See Note)

1. **Deck:** NC (See Note 1) **Incline:** See Note 1

Insulation: — Any UL Classified, any thickness, adhered with "Polyglass LRF CR", "Polyglass LRF M", ICP CONSTRUCTION INC “CR 20”.
Membrane: — Any UL Classified modified bitumen system, BUR system or CPE, CSM, CSPE, EPDM, NBP, PIB, PVC, TPO or TRE membrane system suitable for use with any roof insulation.

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the Classified Roofing System (TGFU) currently limited to noncombustible deck.

2. **Deck:** NC (See Note 1) **Incline:** See Note 1

Insulation: — Any UL Classified, any thickness, adhered with "Polyglass LRF M-PG"
Membrane: — Any UL Classified modified bitumen system, BUR system or CPE, CSM, CSPE, EPDM, NBP, PIB, PVC, TPO or TRE membrane system suitable for use with any roof insulation.

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the Classified Roofing System (TGFU) currently limited to noncombustible deck.

3. **Deck:** NC (See Note 1) **Incline:** See Note 1

Insulation: — Any UL Classified, any thickness, adhered with "Polyglass LRF-PG ECO” or "Polylock LRF ECO".
Membrane: — Any UL Classified modified bitumen system, BUR system or CPE, CSM, CSPE, EPDM, NBP, PIB, PVC, TPO or TRE membrane system suitable for use with any roof insulation.

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the Classified Roofing System (TGFU) currently limited to noncombustible deck.

OTHER SYSTEMS

Class A, B or C

The “ PolyVap SA S” can be installed directly over the roof deck in any UL Classified system over a non-combustible deck.

The “ PolyVap SA S” can be installed directly over a barrier board in any UL Classified system over a non-combustible deck in which a barrier board is used.

1. **Deck:** NC **Incline:** See Note 1

Vapor Barrier: — “ PolyVap SA S”
Roofing System: — Any UL Classified Roofing System

Note 1: Classification and incline are that of the UL Classified Roofing System

Last Updated on 2026-11-11

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