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Roofing Systems

COMPANY

Metal Alliance Inc

2120 SW Poma Dr.

Palm City, FL 34490 United States

R40147

Coated steel panels (surfacing) identified as "50ALLCOR" or "25ALLCORWALL", "50ALLRIB" or "25ALLRIBWALL", "50ALLPBR" or "25ALLPBRWALL".

Coated steel or aluminum panels identified as "200MSALLSEAM", "175SLALLSEAM", "145SLALLSEAM", "155SLALLSEAM", "100SLALLSEAM", "150SLALLSEAM", and "50ALLV".

Coated steel, aluminum, or copper panel identified as "150MSALLSEAM".

Any UL Classified peel and stick underlayment may be used in conjunction with "VersaShield® Fire-Resistant Roof Deck Protection" and "VersaShield® Underlayment" in any of the following systems.

One or more layers of GAF "VersaShield Underlayment," mechanically fastened, or Polyglass USA Inc "Polystick XFR", self-adhered, may be used in lieu of the Barrier Board in all combustible Classifications with steel or copper panels.

Two or more layers of GAF "VersaShield Underlayment," mechanically fastened, or Polyglass USA Inc "Polystick XFR", self-adhered, may be used in lieu of the Barrier Board in all combustible Classifications with aluminum panels.

BUILDING UNITS

Class A

1. **Deck:** C-15/32 or spaced sheathing

Incline: Unlimited

Underlayment: — One ply GAF "VersaShield Underlayment", mechanically fastened.

Ply Sheet: — One ply Type 30 base sheet or GAF "VersaShield", mechanically fastened.

Surfacing: — Coated steel or copper roofing panels, mechanically fastened.

2. **Deck:** C-15/32 or spaced sheathing

Incline: Unlimited

Underlayment: — One or more plies GAF "VersaShield Underlayment", mechanically fastened.

Surfacing: — Coated standing seam steel or copper roofing panels, mechanically fastened.

3. **Deck:** C-15/32 or spaced sheathing

Incline: Unlimited

Barrier Board: — Minimum 1/4 inch thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" with all joints staggered a minimum of 6 inches from the plywood joints.

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

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.

Surfacing: — Coated steel or copper roofing panels, mechanically fastened.

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

Incline: Unlimited

Barrier Board: — Minimum 1/4 inch thick: Georgia-Pacific Gypsum LLC "DensDeck® Roofboard" with all joints staggered a minimum of 6 inches from the plywood joints.

Ply Sheet (Optional): — Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15, 20 or 30 felt or UL Classified Prepared Roofing Accessory (TGDY).

Surfacing: — Coated steel, aluminum, or copper roofing panels, mechanically fastened.

5. **Deck:** NC

Incline: Unlimited

Barrier Board: — Minimum 1/4 inch thick: Georgia-Pacific Gypsum LLC "DensDeck® Roofboard".

Ply Sheet (Optional): — Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15, 20 or 30 felt or UL Classified Prepared Roofing Accessory (TGDY).

Surfacing: — Coated steel, aluminum, or copper roofing panels, mechanically fastened.

6. **Deck:** NC

Incline: Unlimited

Barrier Board: — 7/16 OBS or 1/2 in. plywood over polyisocyanurate insulation board or polyisocyanurate composite board, any thickness.

Ply Sheet (Optional): — Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15, 20 or 30 felt or UL Classified Prepared Roofing Accessory (TGDY).

Surfacing: — Coated steel, aluminum, or copper roofing panels, mechanically fastened.

7. **Deck:** NC

Incline: Unlimited

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

Ply Sheet (Optional): — Any UL Classified Type G1, G2 or G3 base/ply sheet, Type 15, 20 or 30 felt or UL Classified Prepared Roofing Accessory (TGDY).

Surfacing: — Coated steel, aluminum, or copper roofing panels, mechanically fastened.

8. **Deck:** NC

Incline: Unlimited

Insulation: — None required, however any UL Classified insulations may be used over open purlin spans. Any combination and any total thickness of insulation may be used.

Surfacing: — Coated steel, aluminum, or copper roofing panels, mechanically fastened.

9. **Deck:** C-15/32

Incline: Unlimited

Underlayment: — Two plies GAF "VersaShield® Fire-Resistant Roof Deck Protection" or "VersaShield® Underlayment."

Surfacing: — Aluminum roofing panels, mechanically fastened.

10. **Deck:** C-15/32 or spaced sheathing

Incline: Unlimited

Underlayment: — One ply Firestone Building Products Co LLC "CLAD-GARD SA-FR" self-adhered underlayment.

Ply Sheet: — One ply Type 30 base sheet or Firestone Building Products Co LLC "CLAD-GARD SA-FR" self-adhered underlayment.

Surfacing: — Coated steel, aluminum, or copper roofing panels, mechanically fastened.

11. **Deck:** C-15/32

Incline: Unlimited

Underlayment: — One ply Firestone Building Products Co LLC "CLAD-GARD SA-FR" self-adhered underlayment.

Surfacing: — Coated steel, aluminum, or copper roofing panels, mechanically fastened.

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

Incline: Unlimited

Slip Sheet: — Two layers Atlas Roofing Ccpr "FR50".

Base Sheet (Optional): — Type 15 or 30 or any UL Classified self-adhering underlayment.

Surfacing: — Minimum 28 gauge coated steel roofing panels, mechanically fastened.

13. **Deck:** C-15/32 or spaced sheathing

Incline: Unlimited

Base Sheet (Optional): — Minimum one ply Type 15 or Type 30 asphalt saturated felt or Type G1 or Type G2 asphalt saturated glass mat, or Polyglass USA Inc "PolyAnchor HV" or "Elastobase V" or "PolyAnchor UDL 40" mechanically fastened, or "Polystick XFR", "Polystick MTS", "Polystick MTS Plus", "Polystick MU-X", "Polystick MX", "Polystick® IR-Xe", or "PolyVap SA G" self-adhered.

Underlayment: — One ply Polyglass USA Inc "Polystick XFR" self-adhered.

Insulation (Optional): — Any UL Classified polyisocyanurate, perlite, wood fiber or polyisocyanurate/perlite board, any thickness mechanically fastened or adhered with any UL Classified insulation adhesive.

Ply Sheet (Optional): — Minimum one ply Type 15 or Type 30 asphalt saturated felt or Type G1 or Type G2 asphalt saturated glass mat or Polyglass USA Inc "PolyAnchor HV" or "Elastobase V" or "PolyAnchor UDL 40" mechanically fastened or "Polystick XFR", "Polystick MTS", "Polystick MTS Plus", "Polystick MU-X", "Polystick MX", "Polystick® IR-Xe", or "PolyVap SA G" self-adhered.

Surfacing: — Coated steel panels designated "50ALLCOR" or "25ALLCORWALL", "50ALLRIB" or "25ALLRIBWALL", "50ALLPBR" or "25ALLPBRWALL", or copper panel designated "150MSALLSEAM", mechanically fastened.

14. **Deck:** C-15/32 or spaced sheathing

Incline: Unlimited

Base Sheet (Optional): — Minimum one ply Type 15 or Type 30 asphalt saturated felt or Type G1 or Type G2 asphalt saturated glass mat, or Polyglass USA Inc "PolyAnchor HV" or "Elastobase V" or "PolyAnchor UDL 40" mechanically fastened, or "Polystick XFR", "Polystick MTS", "Polystick MTS Plus", "Polystick MU-X", "Polystick MX", "Polystick® IR-Xe", or "PolyVap SA G" self-adhered.

Underlayment: — Two plies Polyglass USA Inc "Polystick XFR" self-adhered.

Insulation (Optional): — Any UL Classified polyisocyanurate, perlite, wood fiber or polyisocyanurate/perlite board, any thickness mechanically fastened or adhered with any UL Classified insulation adhesive.

Ply Sheet (Optional): — Minimum one ply Type 15 or Type 30 asphalt saturated felt or Type G1 or Type G2 asphalt saturated glass mat or Polyglass USA Inc "PolyAnchor HV" or "Elastobase V" or "PolyAnchor UDL 40" mechanically fastened or "Polystick XFR", "Polystick MTS", "Polystick MTS Plus", "Polystick MU-X", "Polystick MX", "Polystick® IR-Xe", or "PolyVap SA G" self-adhered.

Surfacing: — Minimum 0.032-inch-thick aluminum panels designated "200MSALLSEAM", "175SLALLSEAM", "145SLALLSEAM", "155SLALLSEAM", "100SLALLSEAM", "150SLALLSEAM", or "50AL-V", mechanically fastened.

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