



TGFU.R15546 Roofing Systems

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Roofing Systems

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IB ROOF SYSTEMS

R15546

36250 E ENTERPRISE RD
CRESWELL, OR 97426 USA

SINGLE PLY MEMBRANE SYSTEMS

"IB" (CPA) is produced 40 to 80 mil thickness.

For non-combustible deck applications one of the following insulation attachments may be used. (1) mechanically fastened (2) hot mopping asphalt (3) "Instastick" deck adhesive (4) Ashland "Pliodeck" adhesive in accordance with the manufacturers recommendations.

Class A - Ballast

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

Incline: 2

Insulation: — "Insulfoam EPS" or "R-TECH", any thickness.

Slip Sheet: — Insulfoam "Secure-Ply"

Membrane: — "IB" (CPA)

Surfacing: — River bottom stone (3/4 to 1-1/2 in. diam) at 1000 lbs/sq.

Class A - Fully Adhered

1. **Deck:** NC

Incline: 2

Insulation: — Wood Fiber Industries "Structodeck", Apache Products "Apache Pyrox" or "Apache Tapered Pyrox", Atlas Roofing "ACFoam II" Firestone Building Products "Iso 95+GL" or "Iso 95+GW", Johns Manville "ENRGY 2A", Rmax "Multi-Max", any thickness, mechanically attached or hot mopped.

Membrane: — "IB" (CPA), adhered with Ashland Chemical "Pliobond 7500" bonding adhesive, at 1 gal/160 sq ft. The overlapping membrane joints are heat sealed.

2. **Deck:** NC

Incline: 2

Insulation: — Johns Manville "ENRGY 2", Atlas Roofing "ACFoam II", "ACFoam III", Firestone Building Products "ISO 95+GL", any thickness.

Membrane: — "IB" (CPA), adhered with "IB Contact Adhesive" at 60 sq/ft/gal.

3. **Deck:** NC

Incline: 2

Insulation: — "Tuff Roof" or "Insultaper" (EPS/perlite, perlite side up or EPS/wood fiber, wood fiber side up) any thickness.

Barrier Board (Optional): — 1/4 in. (min) G-P Gypsum DensDeck Prime®

Membrane: — "IB" (CPA), adhered with Ashland Chemical "Pliobond 7500" bonding adhesive, at 1 gal/160 sq ft or "IB Contact Adhesive" at 1 gal/60 sq ft. The overlapping joints are heat-sealed.

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

Incline: Unlimited

Impact: 4

Insulation: — Any UL Classified insulation, any thickness:

Barrier Board: — 1/4 in. min G-P Gypsum DensDeck® or DensDeck Prime®, with all joints staggered 6 in. from the plywood joints adhered down with TACC "LA 432".

Membrane: — "IB" (CPA) adhered with TACC "LA 432" adhesive at 1 gal/60 sq ft or "FA 636" adhesive at 1 gal/140 sq ft.

5. **Deck:** NC

Incline: 1

Insulation: — One of the following, any thickness:

1. Apache Products "PYROX"

2. Firestone Building Products "ISO 95+GL"

3. Johns Manville "ENRGY 3"

Membrane: — "IB Single Ply®", adhered with TACC "LA 432" adhesive at 1 gal/60 sq ft or "FA 636" adhesive at 1 gal/140 sq ft.

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

Incline: Unlimited

Insulation: — Any UL Classified insulation, any thickness:

Barrier Board: — 1/4 in. min G-P Gypsum DensDeck® or DensDeck Prime®, with all joints staggered 6 in. from the plywood joints.

Membrane: — "IB Single Ply®", adhered with TACC "LA 432" adhesive at 1 gal/60 sq ft or "FA 636" adhesive at 1 gal/140 sq ft.

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

Incline: Unlimited

Impact: 4

Insulation: — Any UL Classified insulation, any thickness:

Barrier Board: — 1/4 in. min G-P Gypsum DensDeck® or DensDeck Prime®, with all joints staggered 6 in. from the plywood joints adhered down with TACC "LA 432".

Membrane: — "IB Single Ply®", adhered with TACC "LA 432" adhesive at 1 gal/60 sq ft or "FA 636" adhesive at 1 gal/140 sq ft.

8. **Deck:** NC

Incline: 1-1/2

Insulation: — One of the following, any thickness:

1. Atlas Roofing "ACFoam II"

2. Atlas Roofing "ACFoam III"

Membrane: — "IB Single Ply®", adhered with TACC "LA 432", "LA432M" or Ashland "7008" adhesive at 1 gal/60 sq ft.

Class A - Mechanically Fastened

1. **Deck:** NC **Incline:** 2
Insulation: — Glass fiber, Johns Manville "Fesco-Foam" or perlite, 3/4 to 4 in.
Membrane: — "IB" (CPA).
2. **Deck:** NC **Incline:** 1
Slip Sheet: — Atlas Roofing "FR-10" or "IB Fire Sheet - 1" .
Membrane: — "IB" (CPA).
3. **Deck:** C-15/32 **Incline:** 1/2
Gypsum Board: — 5/8 in. min fastened to deck. Joints in plywood and gypsum board are staggered a min of 6 in.
Membrane: — "IB" (CPA).
4. **Deck:** NC **Incline:** 2
Insulating Concretes: — Cellular, gypsum vermiculite, perlite or structural, poured in place over deck.
Membrane: — "IB" (CPA).
5. **Deck:** NC **Incline:** 2
Insulation: — Dow Chemical "Styrofoam" or "Grayboard", any thickness.
Slip Sheet: — Atlas Roofing "FR-50" or Elk "IB Fire Sheet - 1" .
Membrane: — "IB" (CPA).
6. **Deck:** C-15/32 **Incline:** 1/2
Insulation: — "Dow Chemical Styrofoam" or "Grayboard", 3/4 in. min.
Barrier Board: — Min 5/8 in. gypsum.
Membrane: — "IB" (CPA).
7. **Deck:** NC **Incline:** 2
Slip Sheet (Optional): — Atlas Roofing "FR-10" or Elk "IB Fire Sheet - 1" .
Insulation: — Atlas Roofing "ACFoam II" or "ACFoam Supreme", any thickness, hot mopped in place or mechanically fastened.
Membrane: — "IB" (CPA).
8. **Deck:** NC **Incline:** 2
Insulation: — Wood fiber, any thickness.
Membrane: — "IB" (CPA).
9. **Deck:** NC **Incline:** 1
Insulation: — Any UL Classified EPS.
Slip Sheet: — Atlas Roofing "FR-10" or Elk "IB Fire Sheet - 1" .
Membrane: — "IB" (CPA).
10. **Deck:** NC **Incline:** 3
Barrier Board: — 5/8 in. gypsum, mechanically fastened.
Insulation (Optional): — Atlas Roofing "ACFoam II", any thickness.
Membrane: — "IB" (CPA).
11. **Deck:** NC **Incline:** 3
Insulation: — Apache Products "Pyrox" or "Tapered Pyrox", Firestone Building Products "ISO 95+GL" or "ISO 95+GW", Johns Manville "ENRGY 2A", Rmax "Multi-Max", any thickness.
Membrane: — "IB" (CPA).
12. **Deck:** C-15/32 **Incline:** 3
Barrier Board: — 5/8 in. (min) gypsum board with all joints staggered a min of 6 in. from the plywood joints.
Insulation: — Apache Products "Pyrox", "White Line" or "Tapered Pyrox", Firestone Building Products "ISO 95+GL" or "ISO 95+GW", Johns Manville "ENRGY 2A", Rmax "Multi-Max", or "Thermarool Plus", any thickness.
Membrane: — "IB" (CPA).
13. **Deck:** C-15/32 **Incline:** 2
Barrier Board: — 1/2 in. (min) gypsum board with all joints staggered a min of 6 in. from the plywood joints.
Insulation: — Apache Products "Pyrox", "White Line" or "Tapered Pyrox", Firestone Building Products "ISO 95+GL" or "ISO 95+GW", Johns Manville "ENRGY 2A", Rmax "Multi-Max", any thickness.
Membrane: — "IB" (CPA).
14. **Deck:** C-15/32 **Incline:** Unlimited
Insulation (Optional): — Polyisocyanurate, any thickness.
Barrier Board: — 1/2 in. gypsum board with all joints staggered a min of 6 in. from the plywood joints.
Membrane: — "IB" (CPA).
15. **Deck:** C-15/32 **Incline:** Unlimited
Barrier Board: — 1/4 in. (min) G-P Gypsum DensDeck® with all joints staggered a min of 6 in. from the plywood joints.
Membrane: — "IB" (CPA).
16. **Deck:** C-15/32 **Incline:** 1/2
Slip Sheet: — Two layers Atlas Roofing "FR-50".
Membrane: — "IB" (CPA).
17. **Deck:** NC **Incline:** 1
Insulation: — Owens Corning Specialty Products "Foam ular", any thickness.
Slip Sheet: — Atlas Roofing. "FR-10" or "FR-11" or Elk "IB Fire Sheet - 1" .
Membrane: — "IB" (CPA).
18. **Deck:** C-15/32 **Incline:** 1/2
Slip Sheet: — One layer Atlas Roofing "FR-10", "FR-11" or "FR-50".
Insulation: — Atlas Roofing "ACFoam III", 1.5 in. min thickness with all joints staggered 6 in. min. from plywood joints.
Membrane: — "IB" (CPA).
19. **Deck:** C-15/32 **Incline:** 1/2
Insulation: — Polystyrene, any thickness.
Barrier Board: — Min 1/2 in gypsum or 1/4 in. G-P Gypsum DensDeck®.
Membrane: — "IB" (CPA).
20. **Deck:** C-15/32 **Incline:** Unlimited
Insulation: — Any UL Classified insulation, any thickness.
Barrier Board: — G-P Gypsum 1/4 in. DensDeck® or 1/2 in. gypsum board with all joints staggered 6 in. (min) from the plywood joints.
Membrane: — "IB" (CPA).
21. **Deck:** NC **Incline:** 3
Insulation: —
1. Apache "PYROX"

2. Firestone Building Products "ISO 95+GL"
 3. Johns Manville "ENRGY 2"
 4. Rmax "Multi-Max FA"
 5. Atlas Roofing "ACFoam II"
 6. Atlas Roofing "ACFoam III"
 7. Johns Manville "ISO 1"
- Membrane:** — "IB" (CPA).
22. **Deck:** C-15/32 **Incline:** 1/2
Slip Sheet: — Two layers Atlas Roofing "FR-50".
Insulation: — 1.5 in. min with all joints staggered 6 in. (min) from the plywood joints.
1. Apache "PYROX"
 2. Firestone Building Products "ISO 95+GL"
 3. Johns Manville "ENRGY-2"
 4. Rmax "Multi-Max FA"
 5. Atlas Roofing "ACFoam II"
 6. Atlas Roofing "ACFoam III"
 7. Johns Manville "ISO 1"
- Membrane:** — "IB" (CPA).
23. **Deck:** C-15/32 **Incline:** 1/2
Slip Sheet: — Two layers Atlas Roofing "FR-50".
Membrane: — "IB" (CPA).
24. **Deck:** C-15/32 **Incline:** 1/2
Slip Sheet: — One layer Atlas Roofing "FR-10" or "FR-50".
Insulation: — "ACFoam III", 1.5 in. min thickness with all joints staggered 6 in. min from the plywood joints.
Membrane: — "IB" (CPA).
25. Deleted.
26. Deleted.
27. Deleted.
28. **Deck:** NC **Incline:** 2-1/2
Insulation: — Celotex "Hy-Therm AP", any thickness.
Membrane: — "IB" (CPA).
29. **Deck:** C-15/32 **Incline:** 1/4
Slip Sheet: — Two layers Atlas Roofing "FR-50".
Insulation: — Celotex "Hy-Therm AP", 1.5 in. min with all joints staggered 6 in. (min) from the plywood joints.
Membrane: — "IB" (CPA).
30. **Deck:** C-15/32 **Incline:** 1-1/2
Slip Sheet: — Two layers Elk "VersaShield Underlayment" or "IB Fire Sheet - 2" .
Membrane: — "IB" (CPA).
31. **Deck:** C-15/32 **Incline:** 3
Slip Sheet: — Three layers "IB Fire Sheet - 1" .
Insulation: — Apache Products "Pyrox" or "Tapered Pyrox", Celotex "Hy-Therm AP" or "Hy-Tec B Blackore", Firestone Building Products "ISO 95+GL" or "ISO 95+GW", Johns Manville "ENRGY 2A", Rmax "Multi-Max", any thickness.
Membrane: — "IB" (CPA).
32. **Deck:** C-15/32 **Incline:** 2
Slip Sheet: — Two layers Elk "VersaShield Underlayment" or "IB Fire Sheet - 2" .
Insulation: — Apache Products "Pyrox", "White Line" or "Tapered Pyrox", Celotex "Hy-Therm AP", Firestone Building Products "ISO 95+GL" or "ISO 95+GW", Johns Manville "ENRGY 2A", Rmax "Multi-Max", any thickness.
Membrane: — "IB" (CPA).
33. Deleted.
34. **Deck:** C-15/32 **Incline:** 3/4
Slip Sheet: — Two layers Elk "IB Fire Sheet - 1" .
Insulation: — Apache Products "Pyrox", "White Line" or "Tapered Pyrox", Celotex "Hy-Therm AP", Firestone Building Products "ISO 95+GL" or "ISO 95+GW", Johns Manville "ENRGY 2A", Rmax "Multi-Max", any thickness.
Membrane: — "IB" (CPA).
35. **Deck:** C-15/32 **Incline:** 2
Slip Sheet: — Three layers Elk "IB Fire Sheet - 1" .
Insulation: —
1. Apache "PYROX"
 2. Firestone Building Products "ISO 95+GL"
 3. Johns Manville "ENRGY 2"
 4. Rmax "Multi-Max FA"
 5. Atlas Roofing "ACFoam II"
 6. Atlas Roofing "ACFoam III"
 7. Johns Manville "ISO 1"
- Membrane:** — "IB" (CPA).
36. **Deck:** C-15/32 **Incline:** 2
Slip Sheet: — : Two layers Elk "VersaShield Underlayment" or "IB Fire Sheet - 2" .
Insulation (Optional): —
1. Apache "PYROX"

2. Firestone Building Products "ISO 95+ GL"
 3. Johns Manville "ENRGY 2"
 4. Rmax "Multi-Max FA"
 5. Atlas Roofing "ACFoam II"
 6. Atlas Roofing "ACFoam III"
 7. Johns Manville "ISO 1"
- Membrane:** — "IB" (CPA).
37. **Deleted.**
38. **Deck:** C-15/32 **Incline:** 3/4
Slip Sheet: — Two layers "IB Fire Sheet - 1" .
Insulation: —
 1. Apache "PYROX"
 2. Firestone Building Products "ISO 95+ GL"
 3. Johns Manville "ENRGY 2"
 4. Rmax "Multi-Max FA"
 5. Atlas Roofing "ACFoam II"
 6. Atlas Roofing "ACFoam III"
 7. Johns Manville "ISO 1"**Membrane:** — "IB" (CPA).
39. **Deck:** C-15/32 **Incline:** 2-1/2
Slip Sheet: — Three layers "IB Fire Sheet - 1" .
Insulation: — Celotex "Hy-Therm AP", any thickness.
Membrane: — "IB" (CPA).
40. **Deck:** C-15/32 **Incline:** 2
Slip Sheet: — Two layers Elk "VersaShield Underlayment" or "IB Fire Sheet - 2" .
Insulation: — Celotex "Hy-Therm AP", any thickness.
Membrane: — "IB" (CPA).
41. **Deck:** NC **Incline:** 2
Insulation: — "Insulfoam EPS", "Insulbarrier", "R-TECH", any thickness.
Slip Sheet: — Insulfoam "Secure-Ply"
Membrane: — "IB" (CPA).
42. **Deck:** C-15/32 **Incline:** Unlimited
Slip Sheet: — Three layers "IB Fire Sheet - 1".
Membrane: — "IB" (CPA).
43. **Deck:** C-15/32 **Incline:** 3/4
Slip Sheet: — Two layers "IB Fire Sheet -1".
Insulation (Optional): — Any UL Classified, any thickness (except EPS and wood fiberboard).
Membrane: — "IB" (CPA).
44. **Deck:** NC **Incline:** 2
Insulation: — One of the following, any thickness:
 1. Apache Products "PYROX"
 2. Firestone Building Products "ISO 95+ GL"
 3. Johns Manville "ENRGY 3"
 4. Rmax "Multi-Max FA"**Membrane:** — "IB Single Ply".
45. **Deck:** C-15/32 **Incline:** Unlimited
Insulation: — Any UL Classified insulation, any thickness.
Barrier Board: — 1/4 in. G-P Gypsum DensDeck® or 1/2 in. gypsum board, with all joints staggered 6 in. from plywood joints.
Membrane: — "IB Single Ply".
46. **Deck:** C-15/32 **Incline:** 1/2
Slip Sheet: — Two layers Atlas Roofing "FR 50".
Insulation: — 1.5 in. min. with all joints staggered 6 in. (min.) from the plywood joints
 1. Apache Products "PYROX"
 2. Firestone Building Products "ISO 95+ GL"
 3. Johns Manville "ENRGY 2"
 4. Rmax "Multi-Max FA"
 5. Atlas Roofing "ACFoam II"
 6. Atlas Roofing "ACFoam III"
 7. Johns Manville "ISO 1"**Membrane:** — "IB Single Ply".
47. **Deck:** C-15/32 **Incline:** 1/2
Slip Sheet: — Two layers Atlas Roofing "FR 50".
Membrane: — "IB Single Ply".
48. **Deck:** C-15/32 **Incline:** 1/2
Slip Sheet: — One layer Atlas Roofing "FR-10" or "FR 50".
Insulation: — "ACFoam III", 1.5 in. min thickness with all joints staggered 6 in. min from the plywood joints.
Membrane: — "IB Single Ply".

49. **Deck:** NC **Incline:** 2-1/2
Insulation: — Celotex "Hy-Therm AP" .
Membrane: — "IB Single Ply".
50. **Deck:** C-15/32 **Incline:** 1/4
Slip Sheet: — Two layer Atlas Roofing "FR 50".
Insulation: — Celotex "Hy-Therm AP", 1.5 in. min with all joints staggered 6 in. (min).
Membrane: — "IB Single Ply".

51. **Deck:** NC **Incline:** 2-1/2
Insulation: — One of the following, any thickness:

1. Atlas Roofing "AC Foam II"
2. Atlas Roofing "AC Foam III"

Membrane: — "IB Single Ply".

Class B - Mechanically Fastened

1. **Deck:** C-15/32 **Incline:** 1/4
Slip Sheet: — Atlas Roofing "FR-50".
Membrane: — "IB" (CPA).
2. **Deck:** C-15/32 **Incline:** 1/2
Gypsum Board: — 1/2 in. min, fastened to deck. Joints in plywood and gypsum board are staggered a min of 12 in.
Membrane: — "IB" (CPA).
3. Deleted.
4. Deleted.
5. **Deck:** C-15/32 **Incline:** 3/4
Slip Sheet: — Atlas Roofing "FR-50".
Insulation: — Atlas Roofing "ACFoam II" or "ACFoam Supreme", 1.5 in. min thickness, offset 6 in. from joints in plywood, hot mopped or mechanically fastened.
Membrane: — "IB" (CPA).
6. **Deck:** C-15/32 **Incline:** 1
Insulation: — Polystyrene, any thickness.
Barrier Board: — 1/2 in. thick gypsum wall board.
Membrane: — "IB" (CPA).
7. **Deck:** C-15/32 **Incline:** 1/2
Slip Sheet: — One layer Atlas Roofing "FR-50".
Membrane: — "IB" (CPA).
8. **Deck:** NC **Incline:** 1
Slip Sheet: — Two layers Atlas Roofing "FR-50" or "IB Fire Sheet - 1" .
Membrane: — "IB" (CPA).
9. **Deck:** NC **Incline:** Unlimited
Insulation: — Any UL Classified insulation, any thickness.
Slip Sheet: — One ply Atlas Roofing "FR-50" or "IB Fire Sheet - 1" .
Membrane: — "IB" (CPA).
10. **Deck:** NC **Incline:** Unlimited
Insulation: — Polystyrene, any thickness.
Slip Sheet: — One ply Atlas Roofing "FR-50" or "IB Fire Sheet - 1" .
Membrane: — IB (CPA).
11. **Deck:** C-15/32 **Incline:** 1/2
Slip Sheet: — One layer Atlas Roofing "FR-50".
Membrane: — IB (CPA) 46 mil and 75 mil.
12. **Deck:** C-15/32 **Incline:** 1
Slip Sheet: — Two layers Atlas Roofing "FR-50".
Membrane: — IB (CPA).
13. **Deck:** C-15/32 **Incline:** 1-1/2
Slip Sheet: — One layer Elk "VersaShield Underlayment" or "IB Fire Sheet -2" .
Membrane: — "IB" (CPA).
14. **Deck:** C-15/32 **Incline:** 1-1/2
Slip Sheet: — One layer Elk "VersaShield Underlayment" or "IB Fire Sheet - 2" .
Insulation: — Apache Products "Pyrox", "White Line" or "Tapered Pyrox", Celotex "Hy-Therm AP", Firestone Building Products "ISO 95+GL" or "ISO 95+GW", Johns Manville "ENRGY 2A", Rmax "Multi-Max" or "Thermarof Plus", any thickness.
Membrane: — "IB" (CPA).
15. **Deck:** C-15/32 **Incline:** 1-1/2
Slip Sheet: — One layer Elk "VersaShield Underlayment" or "IB Fire Sheet - 2" .
Insulation: —
 1. Apache "PYROX"
 2. Firestone Building Products "ISO 95+GL"
 3. Johns Manville "ENRGY 2"
 4. Rmax "Multi-Max FA"
 5. Atlas Roofing "ACFoam II"
 6. Atlas Roofing "ACFoam III"
 7. Johns Manville "ISO 1"**Membrane:** — "IB" (CPA).
16. **Deck:** C-15/32 **Incline:** 1-1/2
Slip Sheet: — One layer Elk "VersaShield Underlayment" or "IB Fire Sheet - 2" .
Insulation: — Celotex "Hy-Therm AP", any thickness.
Membrane: — "IB" (CPA).
17. **Deck:** C-15/32 **Incline:** 1/2
Slip Sheet: — One layer "IB Fire Sheet -1".

- Membrane:** — "IB" (CPA).
18. **Deck:** C-15/32 **Incline:** 1
Insulation: — Any UL Classified Polystyrene, min. ¾ inch.thick.
Slip Sheet: — Two layers Elk "VersaShield FB-1S".
Membrane: — "IB" (CPA).
1. **Deck:** NC **Incline:** Unlimited
Insulation: — Polystyrene, any thickness.
Slip Sheet: — One ply Atlas Roofing "FR 50".
Membrane: — "IB Single Ply".
2. **Deck:** C-15/32 **Incline:** 1/2
Slip Sheet: — One layer Atlas Roofing "FR 50".
Membrane: — "IB Single Ply".
3. **Deck:** C-15/32 **Incline:** 1
Slip Sheet: — Two layers Atlas Roofing "FR 50".
Membrane: — "IB Single Ply".

MAINTENANCE AND REPAIR SYSTEMS

Class A

1. **Deck:** NC **Incline:** 2
Existing Roof System: — Class A BUR covered with:
Membrane: — "IB" (CPA), mechanically fastened with metal screws and discs per manufacturer's instructions.
2. **Deck:** NC **Incline:** 1/4
Existing Roof System: — Class A, B or C BUR covered with:
Insulation: — 1 in. phenolic, covered with Johns Manville 1/2 in. "Retrofit Board".
Membrane: — "IB" (CPA), mechanically fastened.
3. **Deck:** NC **Incline:** 1/2
Existing Roof System: — Class A, B or C built up system, smooth surface, cap sheet or gravel surfaced, gravel may be removed.
Insulation: — "R-TECH" Type "I", "VIII", "II", "IX" or "FanFold" 1 in. max thickness.
Membrane: — "IB" (CPA), mechanically fastened.
4. **Deck:** C-15/32 **Incline:** 1/2
Existing Roof System: — Class A, B or C built up system, smooth surface or gravel surfaced, gravel may be removed.
Insulation: — "R-TECH" Type "I", "VIII", "II", "IX" or "FanFold" any thickness.
Membrane: — "IB" (CPA).
Surfacing: — River bottom stone (3/4 in. to 1-1/2 in. diam) at 900 lbs per sq.

Class A, B or C

1. **Deck:** C-15/32 **Incline:** 1/2
Existing Roof System — — Class A, B or C to retain existing Classification, BUR covered with gravel maintained at 400 lbs/sq.
Separation Sheet: — Amocor P14, PB4 or PB6.
Membrane: — "IB" (CPA), mechanically attached.
2. **Deck:** C-15/32 **Incline:** Unlimited
Existing Roof System: — Class A to retain existing Classification, Insulated or Uninsulated cap sheet or smooth surfaced roof.
Insulation (Optional): — Polyisocyanurate, any thickness.
Barrier Board: — 1/2 gypsum board.
Membrane: — "IB" (CPA), mechanically attached.
3. **Deck:** C-15/32 **Incline:** 1-1/2
Existing Roof System: — Any Class A, B or C built-up roof system.
Slip Sheet: — One layer Elk "VersaShield Underlayment", mechanically fastened.
Roof Covering: — "IB" (CPA), mechanically attached.
4. **Deck:** NC **Incline:** 1/2
Existing Roof System: — Class A, B or C built up systems, smooth surfaced, cap sheet or gravel surfaced (gravel maintained) to retain the existing Classification.
Insulation: — "R-TECH" Type "I", "VIII", "II", "IX" or "FanFold" or "Insulfoam" Type "I", "VIII", "II", "IX", 1 in. max thickness
Membrane: — "IB" (CPA), mechanically fastened.
Surfacing: — River bottom stone (3/4 in. to 1-1/2 in. diam) at 900 lbs per sq.
5. **Deck:** C-15/32 **Incline:** 1/2
Existing Roof System: — Class A, B or C built up systems, smooth surfaced, cap sheet or gravel surfaced (gravel maintained) to retain the existing Classification.
Insulation: — "R-TECH" Type "I", "VIII", "II", "IX" "FanFold" or "Insulfoam" Type "I", "VIII", "II", "IX", 1 in. max thickness
Membrane: — "IB" (CPA), mechanically fastened.
Surfacing: — River bottom stone (3/4 in. to 1-1/2 in. diam) at 900 lbs per sq.
6. **Deck:** C-15/32 **Incline:** 1-1/2, see Note 1
Existing Roof System: — Any Class A, B or C built-up roof system.
Slip Sheet: — One layer "IB Fire Sheet-1", mechanically fastened.
Roof Covering: — "IB" (CPA).

Note 1: This system maintains the fire rating of the roof being covered.

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