



**TGFU.R11080
Roofing Systems**

Roofing Systems

[See General Information for Roofing Systems](#)

MB TECHNOLOGY CORP
188 S TEILMAN AVE
FRESNO, CA 93706 USA

R11080

SINGLE PLY MEMBRANE SYSTEMS

Unless otherwise indicated, insulation is mechanically fastened or hot asphalt applied to roof deck. The base sheet and Ply-sheet are mechanically fastened, torched down, or hot asphalt applied. The membrane is torch or hot asphalt applied in place. As an option, one layer of 1/2 in. min gypsum board may be applied to the deck.

As an option, the base sheet, ply sheet and membrane may be adhered with Henry "No. 902" adhesive at 1-1/2 gal./sq.

Classifications stating both insulation and ply sheet as optional, must incorporate either the insulation or ply sheet or both.

Vapor barriers or ply sheets are optional beneath roof insulations on all systems. Type G3 fiberglass reinforced cap sheet may be used in lieu of the Type G2 base sheet specified below.

Class A — Ballasted

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

Incline: 1/2

Insulation: — One layer perlite or glass fiber, 3/4 to 1-1/2 in, Celotex "Hy-Tec," 3 in max.

Base Sheet-(Optional): — One or more layers of Type G1 or G2 glass fiber base sheet or "Fastorch SBS FT120GSA" or "Layflat SBS LF25", "Layflat SBS LF25W," "Layflat SBS LF40," "Layflat SBS LF40W," "Layflat SBS LF60," "Fastorch SBS FT100GSA," "Layflat SBS LF60W," or "Fastorch SBS FT100WSA" base sheet.

Membrane: — "Fastorch SBS FT160CSA," "Fastorch SBS FT160GSA," "Fastorch SBS FT160PSA," "Fastorch SBS FT160WSA," "Fastorch SBS FT160CWH," "Fastorch SBS FT160GWH," "Fastorch SBS FT160PWH," "Fastorch SBS FT160WWH," "Superflex SBS SF160CSA," "Superflex SBS SF160GSA," "Superflex SBS SF160PSA," "Superflex SBS SF160WSA," "Superflex SBS SF160CWH," "Superflex SBS

SF160GWH," "Superflex SBS SF160PWH," or "Superflex SBS SF160WWH," (modified bitumen), torched or hot asphalt applied.

Surfacing: — River bottom stone, 1000 lbs/sq.

2. **Deck:** NC

Incline: 1/2

Insulation-(Optional): — Perlite, glass fiber, polyisocyanurate, phenolic, urethane, wood fiber board, urethane composite, polyisocyanurate composite, 3/4 to 3 in.

Base Sheet-(Optional): — One or more layers of Type G1 or G2 glass fiber base sheet or "Fastorch SBS FT120GSA" or "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," "Layflat SBS LF40W," "Layflat SBS LF60 FGP," "Layflat SBS LF60," "Fastorch SBS FT100GSA," "Layflat SBS LF60W," "Fastorch SBS FT100WSA," "Layflat SBS LF60P" or "Fastorch SBS FT100PSA" base sheet.

Membrane: — "Fastorch SBS FT160CSA," "Fastorch SBS FT160GSA," "Fastorch SBS FT160PSA," "Fastorch SBS FT160WSA," "Fastorch SBS FT160CWH," "Fastorch SBS FT160GWH," "Fastorch SBS FT160PWH," "Fastorch SBS FT160WWH," "Fastorch SBS FT120GSA," "Superflex SBS SF160CSA," "Superflex SBS SF160GSA," "Superflex SBS SF160PSA," "Superflex SBS SF160WSA," "Superflex SBS SF160CWH," "Superflex SBS SF160GWH," "Superflex SBS SF160PWH," or "Superflex SBS SF160WWH" (modified bitumen), (torched or hot asphalt applied).

Surfacing: — River bottom stone, 1000 lbs/sq.

Class A — Fully Adhered

1. **Deck:** NC

Incline: 1/2

Insulation-(Optional): — 1 layer perlite, wood fiber or glass fiber, 3/4 to 1-1/2 in.

Base Sheet-(Optional): — One or more layers of Type G1 or G2 glass fiber base sheet or "Fastorch SBS FT120GSA," "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," "Layflat SBS LF40W," "Layflat SBS LF60 FGP," "Layflat SBS LF60," "Fastorch SBS FT100GSA," "Layflat SBS LF60W," "Fastorch SBS FT100WSA," "Layflat SBS LF60P," or "Fastorch SBS FT100PSA" base sheet.

Membrane: — "Fastorch SBS FT160CSA," "Fastorch SBS FT160GSA," "Fastorch SBS FT160PSA," "Fastorch SBS FT160WSA," "Fastorch SBS FT160CWH," "Fastorch SBS FT160GWH," "Fastorch SBS FT160PWH," "Fastorch SBS FT160WWH," "Fastorch SBS FT120GSA," "Superflex SBS SF160CSA," "Superflex SBS SF160GSA," "Superflex SBS SF160PSA," "Superflex SBS SF160WSA," "Superflex SBS SF160CWH," "Superflex SBS SF160GWH," "Superflex SBS SF160PWH," or "Superflex SBS SF160WWH" (modified bitumen), (torched or hot asphalt applied).

Surfacing: — Cold coating, OCF's "20F Asphalt Emulsion" at 2 gal/sq.

2. **Deck:** NC

Incline: 1/4

Insulation-(Optional): — 1 layer perlite, wood fiber or glass fiber, 3/4 to 1-1/2 in.

Base Sheet-(Optional): — One or more layers of Type G1 or G2 glass fiber base sheet or "Fastorch SBS FT120GSA" or "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," "Layflat SBS LF40W," "Layflat SBS LF60 FGP," "Layflat SBS LF60," "Fastorch SBS FT100GSA," "Layflat SBS LF60W," "Fastorch SBS FT100WSA," "Layflat SBS LF60P" or "Fastorch SBS FT100PSA," base sheet.

Membrane: — "Fastorch SBS FT160CSA," "Fastorch SBS FT160GSA," "Fastorch SBS FT160PSA," "Fastorch SBS FT160WSA," "Fastorch SBS FT160CWH," "Fastorch SBS FT160GWH," "Fastorch SBS FT160PWH," "Fastorch SBS FT160WWH," "Fastorch SBS FT120GSA," or "Superflex SBS SF160CWH," "Superflex SBS SF160GWH," "Superflex SBS SF160PWH," or "Superflex SBS SF160WWH" (modified bitumen), (torched or hot asphalt applied).

Surfacing: — Asphalt Products Oil Corp's "APOC 400 Sunbrite," at 2 gal/sq.

3. **Deck:** NC

Incline: 1

Insulation-(Optional): — Perlite, wood fiberboard, glass fiber, polyisocyanurate, phenolic, polyisocyanurate composite, urethane, urethane composite, EPS/perlite, any thickness.

Base Sheet: — One or more layers of Type G1 or G2 glass fiber base sheet or "Fastorch SBS FT120GSA" or "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," "Layflat SBS LF40W," "Layflat SBS LF60," "Fastorch SBS FT100GSA," "Layflat SBS LF60W," "Fastorch SBS FT100WSA," "Superflex SBS SF160CSA," "Superflex SBS SF160GSA," "Superflex SBS SF160PSA," "Superflex SBS SF160WSA," "Fastorch SBS FT160CSA," "Fastorch SBS FT160GSA," "Fastorch SBS FT160PSA," "Fastorch SBS FT160WSA," "Fastorch SBS FT120GSA," "Layflat SBS LF60P" or "Fastorch SBS FT100PSA,".

Membrane: — "Fireguard SBS FG160CWH," "Fireguard SBS FG160GWH," "Fireguard SBS FG160PWH," "Fireguard SBS FG160WWH," "Fireguard SBS/SEBS FG160CWH," "Fireguard SBS/SEBS FG160 GWH," "Fireguard SBS/SEBS FG160PWH," "Fireguard SBS/SEBS FG160WWH," "Fireguard Fastorch SBS FGFT160CWH," "Fireguard Fastorch SBS FGFT160GWH," "Fireguard Fastorch SBS FGFT160PWH," "Fireguard Fastorch SBS FGFT160WWH," "Fireguard Fastorch SBS/SEBS FGFT160CWH," "Fireguard Fastorch SBS/SEBS FGFT160GWH," "Fireguard Fastorch SBS/SEBS FGFT160PWH," or "Fireguard Fastorch SBS/SEBS FGFT160WWH"(modified bitumen).

4. **Deck:** NC

Incline: 1

Insulation-(Optional): — Perlite, glass fiber, wood fiberboard, polyisocyanurate, phenolic, polyisocyanurate composite, urethane, urethane composite, EPS/perlite, any thickness.

Base Sheet-(Optional): — One or more layers of Type G1 or G2 glass fiber base sheet or "Fastorch SBS FT120GSA" or "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," or "Layflat SBS LF40W" base sheet.

Ply Sheet: — "Layflat SBS LF60," "Fastorch SBS FT100GSA," "Layflat SBS LF60W," or "Fastorch SBS FT100WSA," (torched or hot mopped).

Membrane: — "Fireguard SBS FG90GWH" or "Fireguard SBS FG90WWH" (hot mopped).

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

Incline: 1/2

Insulation: — Perlite, 3/4 in. minimum; Polyisocyanurate, phenolic, polyisocyanurate composite, urethane, urethane composite, or glass fiber; 1 in. minimum. All insulation joints offset from plywood joints by 6 in.

Base Sheet: — One or more layers of Type G1 or G2 glass fiber base sheet or "Fastorch SBS FT120GSA" or "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," "Layflat SBS LF40W," "Layflat SBS LF60," "Fastorch SBS FT100GSA," "Layflat SBS LF60W," "Fastorch SBS FT100WSA," "Superflex SBS SF160CSA," "Superflex SBS SF160GSA," "Superflex SBS SF160PSA," "Superflex SBS SF160WSA," "Fastorch SBS FT160CSA," "Fastorch SBS FT160GSA," "Fastorch SBS FT160PSA," or "Fastorch SBS FT160WSA".

Membrane: — "Fireguard SBS FG160CWH," "Fireguard SBS FG160GWH," "Fireguard SBS FG160PWH," "Fireguard SBS FG160WWH," "Fireguard SBS/SEBS FG160CWH," "Fireguard SBS/SEBS FG160GWH," "Fireguard SBS/SEBS FG160PWH," "Fireguard SBS/SEBS FG160WWH," "Fireguard Fastorch SBS FGFT160CWH," "Fireguard Fastorch SBS FGFT160GWH," "Fireguard Fastorch SBS FGFT160PWH," "Fireguard Fastorch SBS FGFT160WWH," "Fireguard Fastorch SBS/SEBS FGFT160CWH," "Fireguard Fastorch SBS/SEBS FGFT160GWH," "Fireguard Fastorch SBS/SEBS FGFT160PWH," or "Fireguard Fastorch SBS/SEBS FGFT160WWH" (modified bitumen).

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

Incline: 1/2

Insulation: — Perlite, 3/4 in. minimum; Polyisocyanurate, phenolic, polyisocyanurate composite, urethane, urethane composite or glass fiber; 1 in. minimum.

Base Sheet (Optional): — One or more layers of Type G1 or G2 glass fiber base sheet or "Fastorch SBS FT120GSA" or "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," or "Layflat SBS LF40W" base sheet.

Ply Sheet: — "Layflat SBS LF60" "Fastorch SBS FT100GSA," or "Layflat SBS LF60W" "Fastorch SBS FT100WSA," (modified bitumen).

Membrane: — "Fireguard SBS FG90GWH," "Fireguard SBS FG90WWH," "Fireguard SBS/SEBS FG90GWH," "Fireguard SBS/SEBS FG90WWH" (modified bitumen).

7. **Deck:** NC

Incline: 3

Insulation: — Any UL Classified insulation except EPS, any thickness, mechanically fastened.

Base Sheet: — Tarco of Texas' "SBS 4000 Ply Sheet" or any UL Classified Type G1 or G2, or "Fastorch SBS FT120GSA", mechanically fastened.

Membrane: — "Metalflex SBS MF160WAL," "Metalflex SBS MF160WCU," or "Metalflex SBS MF160WSS" (modified bitumen), torched.

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

Incline: 3

Base Sheet (Optional if insulation is used): — One or more plies of Type G2 base sheet, mechanically fastened.

Insulation (Optional): — Polyisocyanurate, 1 in. min, offset 6 in. with joints in deck, mechanically fastened.

Ply Sheet: — Tarco of Texas "SBS 7525 Ply Sheet", adhered with hot mopping asphalt or mechanically fastened.

Membrane: — "Metalflex SBS MF160WAL," "Metalflex SBS MF160WCU," or "Metalflex SBS MF160WSS" (modified bitumen), torched.

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

Incline: Unlimited

Base Sheet: — One or more plies Type G2, or "Fastorch SBS FT120GSA", mechanically fastened.

Ply Sheet: — Tarco of Texas' "SBS 7525 Ply Sheet" or any UL Classified Type G1 or G2, mechanically fastened.

Membrane: — "Metalflex SBS MF160WAL," "Metalflex SBS MF160WCU," or "Metalflex SBS MF160WSS" (modified bitumen), torched.

10. **Deck:** NC

Incline: 1/2

Insulation (Optional): — 1 layer perlite, wood fiber or glass fiber, 3/4 to 1-1/2 in.

Base Sheet (Optional): — One or more layers of Type G1 or G2 glass fiber base sheet or "Fastorch SBS FT120GSA" or "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," "Layflat SBS LF40W," "Layflat SBS LF60 FGP," "Layflat SBS LF60," "Fastorch SBS FT100GSA," "Layflat SBS LF60W," "Fastorch SBS FT100WSA," "Layflat SBS LF60P" or "Fastorch SBS FT100PSA," base sheet.

Membrane: — "Fastorch SBS FT160CSA," "Fastorch SBS FT160GSA," "Fastorch SBS FT160PSA," "Fastorch SBS FT160WSA," "Fastorch SBS FT120GSA," "Fastorch SBS FT160CWH," "Fastorch SBS FT160GWH," "Fastorch SBS FT160PWH," "Fastorch SBS FT160WWH," "Superflex SBS SF160CWH," "Superflex SBS SF160GWH," "Superflex SBS SF160PWH," or "Superflex SBS SF160WWH"(modified bitumen), (torched or hot asphalt applied).

Surfacing: — Karnak Chemical Corp. "No. 97 Fibrated Aluminum Roof Coating", 1-1/2 gal/sq.

11. **Deck:** NC

Incline: 1

Insulation (Optional): — Perlite, wood fiberboard, glass fiber, polyisocyanurate, phenolic, polyisocyanurate composite, urethane, urethane composite, EPS/perlite, any thickness.

Base Sheet: — One or more layers of Type G1 or G2 glass fiber base sheet or "Fastorch SBS FT120GSA" or "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," "Layflat SBS LF40W," "Layflat SBS LF60," "Fastorch SBS FT100GSA," "Layflat SBS LF60W," "Fastorch SBS FT100WSA," "Superflex SBS SF160CSA," "Superflex SBS SF160GSA," "Superflex SBS SF160PSA," "Superflex SBS SF160WSA,"

"Fastorch SBS FT160CSA," "Fastorch SBS FT160GSA," "Fastorch SBS FT160PSA," or "Fastorch SBS FT160WSA".

Membrane: — —"Fireguard SBS FG160CWH," "Fireguard SBS FG160GWH," "Fireguard SBS FG160PWH," "Fireguard SBS FG160WWH" "Fireguard Fastorch SBS FGFT160CWH," "Fireguard Fastorch SBS FGFT160GWH," "Fireguard Fastorch SBS FGFT160PWH," or "Fireguard Fastorch SBS FGFT160WWH" (modified bitumen).

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

Incline: 1/4

Insulation: — 1 layer perlite or glass fiber, 3/4 to 1-1/2 in.

Base Sheet: — One or more layers of Type G1 or G2 glass fiber base sheet or "Fastorch SBS FT120GSA" or "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," "Layflat SBS LF40W," "Layflat SBS LF60," "Fastorch SBS FT100GSA," "Layflat SBS LF60W," or "Fastorch SBS FT100WSA" base sheet.

Membrane: — "Fastorch SBS FT160CSA," "Fastorch SBS FT160GSA," "Fastorch SBS FT160PSA," "Fastorch SBS FT160WSA," "Fastorch SBS FT160CWH," "Fastorch SBS FT160GWH," "Fastorch SBS FT160PWH," "Fastorch SBS FT160WWH," "Superflex SBS SF160CWH," "Superflex SBS SF160GWH," "Superflex SBS SF160PWH," or "Superflex SBS SF160WWH" (modified bitumen), (torched or hot asphalt applied).

Surfacing: — Karnak Chemical Corp. "No. 97 Fibrated Aluminum Roof Coating", 1-1/2 gal/sq.

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

Incline: Unlimited

Base Sheet: — "Layflat SBS LF25" or "Layflat SBS LF25W"

Ply Sheet: — "Fastorch SBS FT120GSA".

Membrane: — "Metalflex SBS MF160WAL," "Metalflex SBS MF160WCU," or "Metalflex SBS MF160WSS" (modified bitumen), torched.

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

Incline: Unlimited

Base Sheet: — One or more plies G2, "Fastorch SBS FT120GSA" mechanically attached.

Ply Sheet: — One or more plies "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," "Layflat SBS LF40W," "Layflat SBS LF60," "Fastorch SBS FT100GSA," "Layflat SBS LF60W," "Fastorch SBS FT100WSA," "Superflex SBS SF160GSA", or "Fastorch SBS FT 160GSA" heat welded or hot mopped in place.

Membrane: — "Metalflex SBS MF160WAL," "Metalflex SBS MF160WCU," or "Metalflex SBS MF160WSS" heat welded or hot mopped.

15. **Deck:** NC

Incline: 3

Insulation: — 3/4 in. perlite.

Base Sheet: — Type G1, hot mopped.

Ply Sheet: — Two or more plies Type G1, hot mopped.

Membrane: — "Metalflex SBS MF160WAL," "Metalflex SBS MF160WCU," or "Metalflex SBS MF160WSS" hot mopped.

Class B - Fully Adhered

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

Incline: 1/2

Insulation (Optional): — Perlite, glass fiber, polyisocyanurate, phenolic, polyisocyanurate composite, urethane, urethane composite, EPS/perlite, any thickness.

Base Sheet: — One or more layers of Type G1 or G2 glass fiber base sheet or "Fastorch SBS FT120GSA"

or "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," "Layflat SBS LF40W," "Layflat SBS LF60," "Fastorch SBS FT100GSA," "Layflat SBS LF60W," "Fastorch SBS FT100WSA," "Superflex SBS SF160CSA," "Superflex SBS SF160GSA," "Superflex SBS SF160PSA," "Superflex SBS SF160WSA," "Fastorch SBS FT160CSA," "Fastorch SBS FT160GSA," "Fastorch SBS FT160PSA," or "Fastorch SBS FT160WSA."

Membrane: — "Fireguard SBS FG160CWH," "Fireguard SBS FG160GWH," "Fireguard SBS FG160PWH," "Fireguard SBS FG160WWH," "Fireguard SBS/SEBS FG160CWH," "Fireguard SBS/SEBS FG160GWH," "Fireguard SBS/SEBS FG160PWH," "Fireguard SBS/SEBS FG160WWH," "Fireguard Fastorch SBS FGFT160CWH," "Fireguard Fastorch SBS FGFT160GWH," "Fireguard Fastorch SBS FGFT160PWH," "Fireguard Fastorch SBS FGFT160WWH," or "Fireguard Fastorch SBS/SEBS FGFT160CWH," "Fireguard Fastorch SBS/SEBS FGFT160GWH," "Fireguard Fastorch SBS/SEBS FGFT160PWH," or "Fireguard Fastorch SBS/SEBS FGFT160WWH" (modified bitumen).

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

Incline: 1/2

Insulation (Optional): — Perlite, glass fiber, polyisocyanurate, phenolic, polyisocyanurate composite, urethane, urethane composite, EPS/perlite, any thickness.

Base Sheet (Optional): — One or more layers of Type G1 or G2 glass fiber base sheet or "Fastorch SBS FT 120GSA," or "Layflat SBS LF25," "Layflat SBS LF25W," or "Layflat SBS LF40," or "Layflat SBS LF40W" base sheet.

Ply sheet: — 1 to 3 layers Type G1 or G2 glass fiber PLY sheet or "Layflat SBS LF25," or "Layflat SBS LF25W," "Layflat SBS LF40" PLY sheet, "Layflat SBS LF40W," or "Layflat SBS LF60," or "Fastorch SBS FT100GSA" Ply sheet.

Membrane: — "Fireguard SBS FG90GWH," "Fireguard SBS FG90WWH," "Fireguard SBS/SEBS FG90GWH," or "Fireguard SBS/SEBS FG90WWH" (modified bitumen).

3. **Deck:** NC

Incline: 1-1/4

Insulation: — Any UL Classified, any thickness (polystyrene must be in composite form or have a cover board).

Base Sheet: — Type G1, Type G2, or "Fastorch SBS FT120GSA" or "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," "Layflat SBS LF40W," "Superflex SBS SF160CSA," "Superflex SBS SF160GSA," "Superflex SBS SF160PSA," "Superflex SBS SF160WSA," "Fastorch SBS FT160CSA," "Fastorch SBS FT160GSA," "Fastorch SBS FT160PSA," or "Fastorch SBS FT160WSA."

Membrane: — "Fireguard SBS FG160CWH," "Fireguard SBS FG160GWH," "Fireguard SBS FG160PWH," "Fireguard SBS FG160WWH," or "Fireguard Fastorch SBS FGFT160CWH," "Fireguard Fastorch SBS FGFT160GWH," "Fireguard Fastorch SBS FGFT160PWH," or "Fireguard Fastorch SBS FGFT160WWH."

MAINTENANCE AND REPAIR SYSTEMS

Unless otherwise indicated, Insulation is mechanically fastened. The base sheet may be mechanically fastened. The base sheet (unless mechanically fastened), PLY sheet and membrane are hot asphalt applied or adhered with Henry, "No. 903"; adhesive at 1-1/2 gal/sq.

Class A

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

Incline: 1/2

Existing Roofing System: — Class A BUR with gravel or smooth surfaced-covered with:

Insulation: — 1 layer Manville's "Retrofit Board", (1/2 in).

Base Sheet (Optional): — One or more layers of Type G1 or G2 glass fiber base sheet or "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," "Layflat SBS LF40W," "Layflat SBS LF60," "Fastorch SBS FT100GSA," "Layflat SBS LF60W" or "Fastorch SBS FT100WSA," base sheet.

Membrane: — "Fastorch SBS FT160CSA," "Fastorch SBS FT160GSA," "Fastorch SBS FT160PSA,"

"Fastorch SBS FT160WSA," "Fastorch SBS FT160CWH," "Fastorch SBS FT160GWH," "Fastorch SBS FT160PWH," "Fastorch SBS FT160WWH," or "Superflex SBS SF160CWH," "Superflex SBS SF160GWH," "Superflex SBS SF160PWH," or "Superflex SBS SF160WWH" (modified bitumen), (torch or hot asphalt applied).

Surfacing: — Gravel-400 lbs/sq.

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

Incline: 1/2

Existing Roofing System: — Class A gravel or smooth surfaced-covered with:

Insulation (Optional): — 1 layer Manville's "Retrofit Board" (1/2 in), Perlite, 3/4 in. min, polyisocyanurate, phenolic, polyisocyanurate composite, urethane, urethane composite or glass fiber; 1 in. min. All insulation joints offset from plywood joints by 6 in.

Base Sheet: — One or more layers of Type G1 or G2 glass fiber base sheet or "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," "Layflat SBS LF40W," "Layflat SBS LF60," "Fastorch SBS FT100GSA," "Layflat SBS LF60W," "Fastorch SBS FT100WSA," "Superflex SBS SF160CSA," "Superflex SBS SF160GSA," "Superflex SBS SF160PSA," "Superflex SBS SF160WSA," "Fastorch SBS FT160CSA," "Fastorch SBS FT160GSA," "Fastorch SBS FT160PSA," or "Fastorch SBS FT160WSA."

Membrane: — "Fireguard SBS/SEBS FG160CWH," "Fireguard SBS/SEBS FG160GWH," "Fireguard SBS/SEBS FG160PWH," "Fireguard SBS/SEBS FG160WWH," "Fireguard Fastorch SBS/SEBS FGFT160CWH," "Fireguard Fastorch SBS/SEBS FGFT160GWH," "Fireguard Fastorch SBS/SEBS FGFT160PWH," or "Fireguard Fastorch SBS/SEBS FGFT160WWH" (modified bitumen).

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

Incline: 1/2

Existing Roofing System: — Class A gravel or smooth surfaced-covered with:

Insulation: — 1 layer Manville's "Retrofit Board" (1/2 in), Perlite, 3/4 in. min; polyisocyanurate, phenolic, polyisocyanurate composite, urethane, urethane composite, or glass fiber; 1 in. min. All insulation joints offset from plywood joints by 6 in.

Base Sheet-(Optional): — One or more layers of Type G1 or G2 glass fiber base sheet or "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," or "Layflat SBS LF40W" base sheet.

Ply Sheet: — "Layflat SBS LF60," "Fastorch SBS FT100GSA," "Layflat SBS LF60W" or "Fastorch SBS FT100WSA" (modified bitumen).

Membrane: — "Fireguard SBS FG90GWH" or "Fireguard SBS FG90WWH" (modified bitumen).

Class B

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

Incline: 1/2

Existing Roofing System: — Class A or B gravel or smooth surfaced-covered with:

Insulation-(Optional): — 1 layer Manville's "Retrofit Board" (1/2 in), Perlite, glass fiber, polyisocyanurate, phenolic, polyisocyanurate composite, urethane, urethane composite, EPS/perlite, any thickness.

Base Sheet-(Optional): — One or more layers of type G1 or G2 glass fiber base sheet or "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," "Layflat SBS LF40W," "Layflat SBS LF60," "Fastorch SBS FT100GSA," "Layflat SBS LF60W," "Fastorch SBS FT100WSA," "Superflex SBS SF160CSA," "Superflex SBS SF160GSA," "Superflex SBS SF160PSA," "Superflex SBS SF160WSA," "Fastorch SBS FT160CSA," "Fastorch SBS FT160GSA," "Fastorch SBS FT160PSA," "Fastorch SBS FT160WSA."

Membrane: — "Fireguard SBS FG160CWH," "Fireguard SBS FG160GWH," "Fireguard SBS FG160PWH," "Fireguard SBS FG160WWH," "Fireguard SBS/SEBS FG160CWH," "Fireguard SBS/SEBS FG160GWH," "Fireguard SBS/SEBS FG160PWH," "Fireguard SBS/SEBS FG160WWH," "Fireguard Fastorch SBS FGFT160CWH," "Fireguard Fastorch SBS FGFT160GWH," "Fireguard Fastorch SBS FGFT160PWH," "Fireguard Fastorch SBS FGFT160WWH," "Fireguard Fastorch SBS/SEBS FGFT160CWH," "Fireguard Fastorch SBS/SEBS FGFT160GWH," "Fireguard Fastorch SBS/SEBS FGFT160PWH," or "Fireguard Fastorch SBS/SEBS FGFT160WWH" (modified bitumen).

2. Deck: C-15/32

Incline: 1/2

Existing Roofing System: — Class A or B gravel or smooth surfaced-covered with:

Insulation-(Optional): — 1 layer Manville's "Retrofit Board" (1/2 in), Perlite, glass fiber, polyisocyanurate, phenolic, polyisocyanurate composite, urethane, urethane composite, EPS/perlite, any thickness.

Base Sheet-(Optional): — One or more layers of Type G1 or G2 glass fiber base sheet or "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," "Layflat SBS LF40W," base sheet.

Ply Sheet: — 1 to 3 layers Type G1 or G2 glass fiber Ply sheet or "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," "Layflat SBS LF40W," "Layflat SBS LF60," "Fastorch SBS FT100GSA," "Layflat SBS LF60W" or "Fastorch SBS FT100WSA" Ply sheet.

Membrane: — "Fireguard SBS FG90GWH," "Fireguard SBS FG90WWH," "Fireguard SBS/SEBS FG90GWH," or "Fireguard SBS/SEBS FG90WWH" (modified bitumen).

Class A, B and C

1. Deck: NC

Incline: 1

Existing Roofing System: — Class A, B or C gravel or smooth surfaced-covered with:

Insulation-(Optional): — 1 layer Manville's "Retrofit Board" (1/2 in), Perlite, glass fiber, wood fiber board, "Retrofit board", polyisocyanurate, Phenolic, polyisocyanurate composite, urethane, urethane composite, EPS/perlite, any thickness.

Base Sheet: — One or more layers of Type G1 or G2 glass fiber base sheet or "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," "Layflat SBS LF40W," "Layflat SBS LF60," "Fastorch SBS FT100GSA," "Layflat SBS LF60W," "Fastorch SBS FT100WSA," "Superflex SBS SF160CSA," "Superflex SBS SF160GSA," "Superflex SBS SF160PSA," "Superflex SBS SF160WSA," "Fastorch SBS FT160CSA," "Fastorch SBS FT160GSA," "Fastorch SBS FT160PSA," "Fastorch SBS FT160WSA," or "Fastorch SBS FT120GSA".

Membrane: — "Fireguard SBS FG160CWH," "Fireguard SBS FG160GWH," "Fireguard SBS FG160PWH," "Fireguard SBS FG160WWH," "Fireguard SBS/SEBS FG160CWH," "Fireguard SBS/SEBS FG160GWH," "Fireguard SBS/SEBS FG160PWH," "Fireguard SBS/SEBS FG160WWH," "Fireguard Fastorch SBS FGFT160CWH," "Fireguard Fastorch SBS FGFT160GWH," "Fireguard Fastorch SBS FGFT160PWH," "Fireguard Fastorch SBS FGFT160WWH" (modified bitumen).

2. Deck: NC

Incline: 1

Existing Roofing System: — Class A, B or C gravel or smooth surfaced-covered with:

Insulation-(Optional): — 1 layer Manville's "Retrofit Board" (1/2 in), Perlite, glass fiber, wood fiber board, "Retrofit" board, polyisocyanurate, phenolic, polyisocyanurate composite, urethane, urethane composite, EPS/perlite, any thickness.

Base Sheet-(Optional): — One or more layers of Type G1 or G2 glass fiber base sheet or "Layflat SBS LF25," "Layflat SBS LF25W," "Layflat SBS LF40," or "Layflat SBS LF40W" base sheet.

Ply Sheet: — "Layflat SBS LF60," "Fastorch SBS FT100GSA," "Layflat SBS LF60W," or "Fastorch SBS FT100WSA" (modified bitumen).

Membrane: — "Fireguard SBS FG90GWH," "Fireguard SBS FG90WWH," "Fireguard SBS/SEBS FG90GWH," or "Fireguard SBS/SEBS FG90WWH" (modified bitumen).

Last Updated on 2006-08-29

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