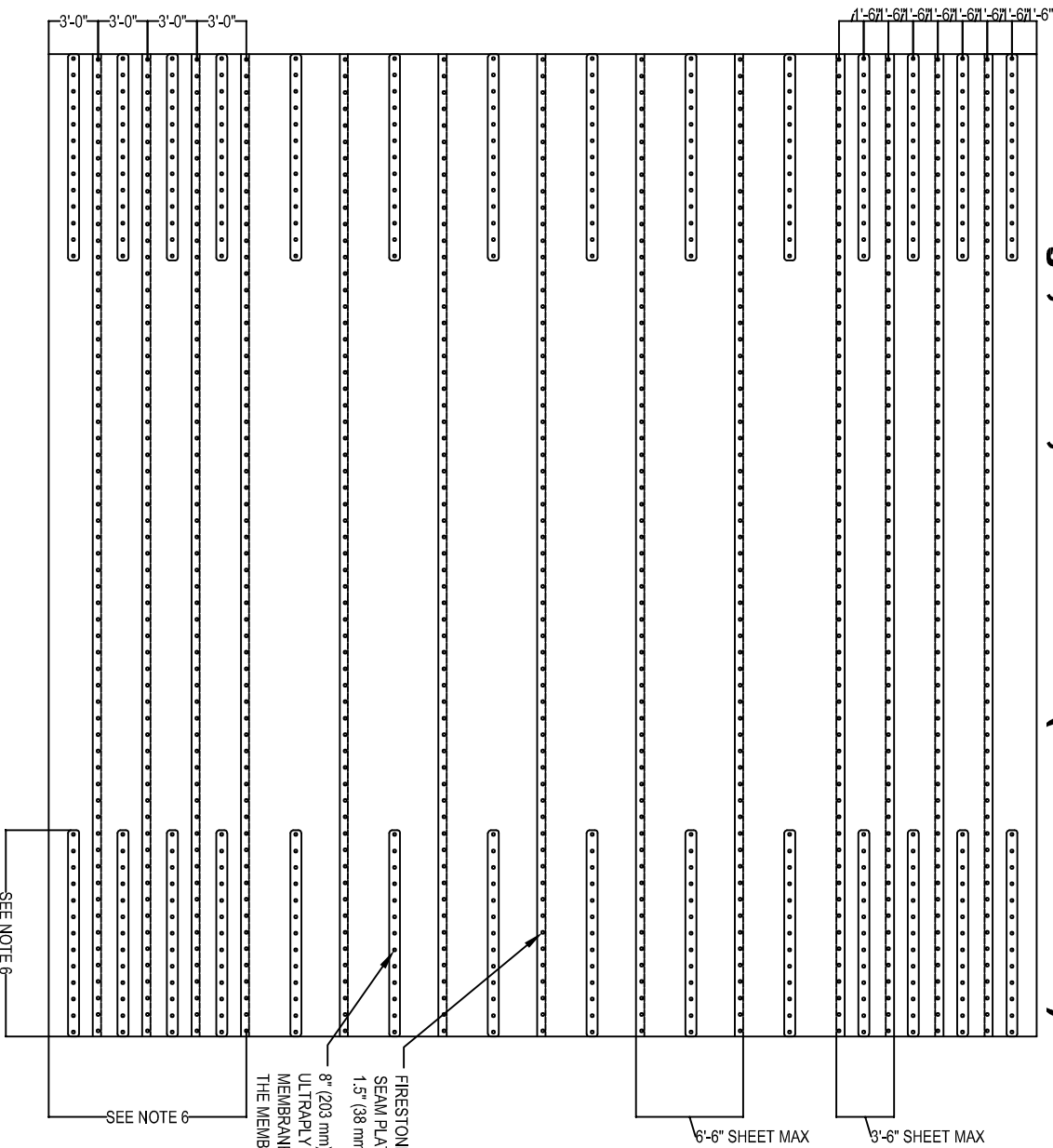


# MECHANICALLY ATTACHED ULTRAPLY TPO OVER FIRESTONE ISO 95+ GL 22 to 18 ga, 33 KSI, STEEL DECK (MAX SPAN 72")



- NOTES:
1. INSTALL FASTENER ROWS AND OR BATTEN BARS PERPENDICULAR TO THE ROOF DECK RIBS. PLEASE REFER TO SECTION 2.2.10.1.4 IN FM 1-29 REGARDING MECHANICALLY ATTACHED SINGLE-PLY MEMBRANES AND MULTIPLE COVERS WITH MECHANICALLY ATTACHED BASE PILES. PLEASE REFER TO FM 1-29 FOR SPECIFIC ATTACHMENTS. DECKS MUST BE ATTACHED PER FACTORY MUTUAL TO OBTAIN A FACTORY MUTUAL RATING.
  2. IF THE PROJECT IS FACTORY MUTUAL INSURED, PLEASE CONTACT THE LOCAL FACTORY MUTUAL REPRESENTATIVE.
  3. IN HURRICANE PRONE AREAS, FACTORY MUTUAL RECOMMENDS USING A MIN. .080" THICK MEMBRANE.
  4. PLEASE VISIT THE FIRESTONE WEBSITE AT [HTTP://FIRESTONEBPC.COM](http://firestonebpc.com) FOR ADDITIONAL INFORMATION.
  5. PLEASE REFER TO FM 1-29 SECTION 3.3 FOR PERIMETER AND CORNER ENHANCEMENT REQUIREMENTS. THE PERIMETER AND CORNER ZONES ARE CALCULATED BY USING THE FOLLOWING:
    - A. HEIGHT  $\leq 60'$  PERIMETER WIDTH IS THE SMALLER OF 0.1 TIMES THE BUILDING LESSER PLAN DIMENSION OR 0.4 TIMES THE HEIGHT, AND NEVER LESS THAN 4% OF THE LEASE HORIZONTAL DIMENSION, OR 3'-0". CORNER AREA IS A SQUARE WITH THE SAME WIDTH DIMENSIONS.
    - B. FOR BUILDING HEIGHT  $> 60'$  PERIMETER WIDTH IS THE 0.1 TIMES THE BUILDING LESSER PLAN DIMENSION, BUT NOT LESS THAN 3'-0". CORNER ZONE IS AN "L" SHAPE. THE LENGTH EQUAL TO 2 TIMES THE WIDTH OF THE PERIMETER.
    - C. IF A CONTINUOUS PARAPET HEIGHT  $\geq 3'-0"$  IS PROVIDED AROUND THE ENTIRE PERIMETER OF THE ROOF, YOU MAY TREAT THE CORNER ATTACHMENT RATE EQUAL TO THAT OF THE PERIMETER FOR THE FOLLOWING SLOPES:
      - $\leq 1.57/12"$  SLOPE FOR HEIGHT  $\leq 60'$
      - $\leq 27/12"$  SLOPE FOR HEIGHT  $> 60'$

NOTE:  
THE LAYOUT SHOWN IS FOR EXAMPLE ONLY. ACTUAL PERIMETER AND CORNER ZONES MUST BE CALCULATED ON A JOB TO JOB BASIS.

FIRESTONE HEAVY DUTY FASTENER WITH FIRESTONE HEAVY DUTY SEAM PLATES FASTENED AT 12" (305 mm) o.c.; MEMBRANE SEAM IS A 1.5" (38 mm) SINGLE WELD.  
8" (203 mm) ULTRAPLY TPO COVER STRIP OR 9.5" (241 mm) ULTRAPLY TPO QUICKSEAM FLASHING ON TOP OF THE MEMBRANE OR ULTRAPLY TPO QUICKSEAM R.M.A. UNDER THE MEMBRANE.

SEE NOTE 6

SEE NOTE 6

**Firestone**  
Firestone Building Products

**ULTRAPLY TPO - SINGLE WELD  
72" O.C. ROW SPACING AT 12" O.C.**

ULTRAPLY™ TPO

ACCEPTABLE SYSTEMS: MAS

MAXIMUM WARRANTY: **TBD**

ISSUE / REVISION  
DATE:

02/23/2018

DETAIL NO.

**FM 1-90**