BOARD LAYOUT

CORNER
REFER TO "CORNER DEFINITION"

PERIMETER

FIELD

PERIMETER WIDTH (X)
(SEE NOTE 4 or 5)

NO PARTIAL FASTENING
(SEE NOTE 7)

DECKING CUT-AWAY

BUILDING HEIGHT ≤ 60 FT

BUILDING HEIGHT > 60 FT

CORNER DEFINITION
(SEE NOTES 4, 5 & 6)

FASTENING PATTERNS for 4' x 8' INSULATION BOARDS

FIELD
6 FASTENERS/BODY

PERIMETER
10 FASTENERS/BODY

CORNER
15 FASTENERS/BODY

UPLIFT NOTES
1. CALCULATE UPLIFT DESIGN PRESSURES IN ACCORDANCE WITH ASCE-7.
2. FASTENING DIAGRAM IS BASED ON FM GLOBAL DATA SHEET 1-29.
   THIS MEMBRANE FASTENING PATTERN ACHIEVES AN FM 1-90
   UPLIFT RATING OVER AN FM APPROVED DECK.
3. INSTALL INSULATION WITH LONG JOINTS AND END JOINTS IN A CONTINUOUS
   STRAIGHT LINE IN ORDER TO CREATE A LINEAR FASTENING PATTERN.
   MULTIPLE LAYERS OF INSULATION ARE TO BE STAGGERED.
4. ROOF HEIGHT ≤ 60 FT, THE PERIMETER (X) IS THE SMALLER DIMENSION OF:
   10% OF THE SHORTEST SIDE (PLAN VIEW)
   OR
   40% OF THE ROOF HEIGHT,
   BUT
   NOT LESS THAN 4% OF THE SHORTEST SIDE (PLAN VIEW) OR 4 FEET.
5. ROOF HEIGHT > 60 FT, THE PERIMETER (X) IS:
   10% OF THE SHORTEST SIDE (PLAN VIEW) BUT NOT LESS THAN 4 FEET.
6. THE CORNERS MAY BE TREATED AS PERIMETERS IF THE PARAPET IS
   GREATER THAN OR EQUAL TO 3 FT ON ALL SIDES ACCORDING TO ASCE-7.
7. IF ANY PORTION OF THE BOARD LIES IN A PERIMETER OR CORNER ZONE,
   ENHANCE THE FASTENING OF ENTIRE BOARD.

GENERAL NOTES
JM TPO MEMBRANE IS HEAT WELDED TO JM TPO RHINOPLATES
USING THE RHINOBOND TOOL.

ALL FASTENERS MUST PENETRATE HIGH RIB OF DECK.

JM TPO RHINOPlate FASTENING SYSTEM (6-10-15)