BOARD LAYOUT

PERIMETER ZONE 2

CORNER ZONE 3

FIELD ZONE 1

FIELD PRIME ZONE 1

GENERAL NOTES

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

ALL FASTENERS MUST PENETRATE HIGH RIB OF DECK.

PERIMETER WIDTH ZONE 2

NO PARTIAL FASTENING (SEE NOTE 5)

DECKING CUT-AWAY

FASTENING PATTERNS for 4' x 8' INSULATION BOARDS

FIELD / FIELD PRIME
6 FASTENERS/BOARD

PERIMETER
9 FASTENERS/BOARD

CORNER
12 FASTENERS/BOARD

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.

4. 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.

5. IF ANY PORTION OF THE BOARD LIES IN A PERIMETER OR CORNER ZONE, ENHANCE THE FASTENING OF ENTIRE BOARD.

ASCE 7-16 ROOF HEIGHT 4 ZONES LESS THAN 60 FT.

1. FIELD PRIME REMAINING ROOF FIELD

2. FIELD 0.6 TIMES HEIGHT OF THE BUILDING (0.6h).

3. PERIMETER 0.6 TIMES THE HEIGHT OF THE BUILDING (0.6h).

4. CORNER "L" SHAPE 0.8 TIMES HEIGHT OF THE BUILDING (0.8h) IN LENGTH AND 0.2 TIMES THE HEIGHT OF THE BUILDING (0.2h) WIDE.