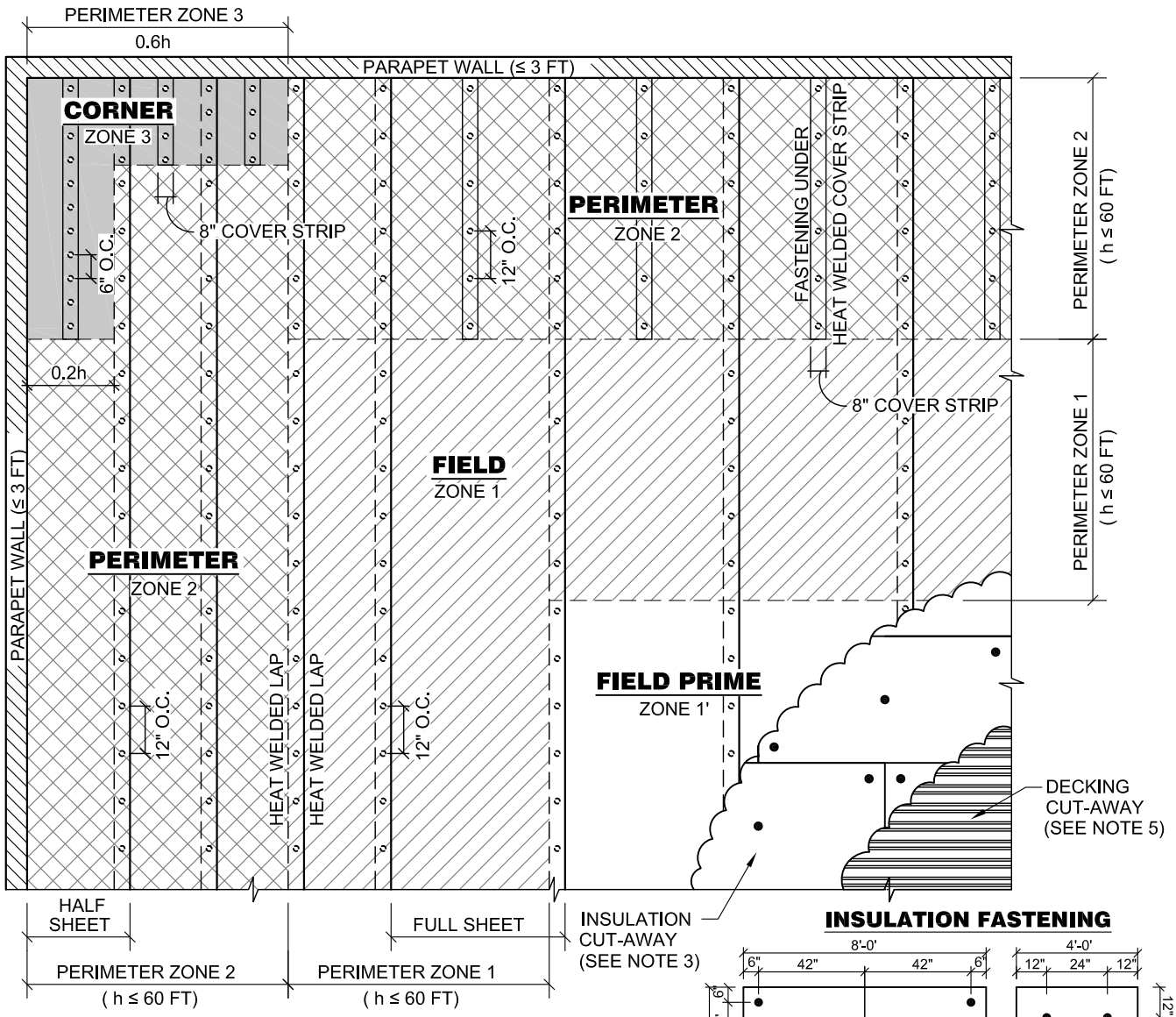
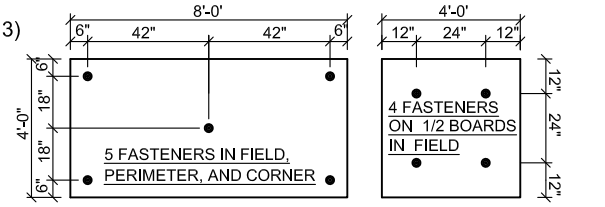


INSULATION FASTENING



* SEE SEPARATOR BOARD DATA SHEET FOR SPECIFIC FASTENING PATTERN

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. 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. MEMBRANE SIDE LAPS MUST RUN PERPENDICULAR TO METAL DECK FLUTES.

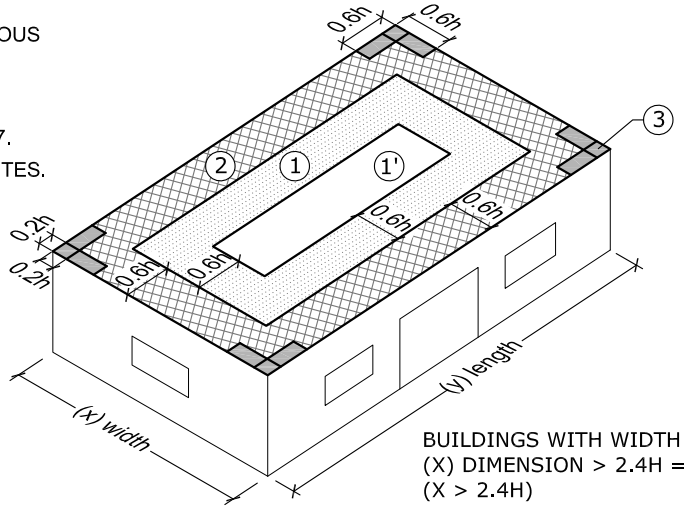
ASCE 7-16 BUILDING HEIGHT LESS THAN 60 FT. (4 ZONES)

(1') FIELD PRIME REMAINING ROOF FIELD

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

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

(3) CORNER "L" SHAPE 0.6 TIMES HEIGHT OF THE BUILDING (0.6h) IN LENGTH AND 0.2 TIMES THE HEIGHT OF THE BUILDING (0.2h) WIDE.



BUILDINGS WITH WIDTH (X) DIMENSION > 2.4H = (X > 2.4H)

DRAWING NO. **A-TM-12-12-6** MBR FASTENING	ASCE 7-16 MECHANICALLY ATTACHED JM TPO FASTENING (12-12-6)		
	MEMBRANE TYPE: TPO	Johns Manville is a manufacturer of commercial roofing products and offers this general conceptual information to you as a courtesy for general educational purposes only. This complimentary assistance is not to be either used or relied upon by anyone as a substitute for professional engineering design and documentation required by any building code, contract, or applicable law. By accepting the general conceptual information, you agree it does not constitute any representations, endorsements of, or an assumption by Johns Manville of any duty or liability for either the adequacy of the design of a building, any of its components or the sufficiency of any construction.	
SCALE N.T.S	ISSUE DATE 09-15-21	MAXIMUM GUARANTEE TERM:	