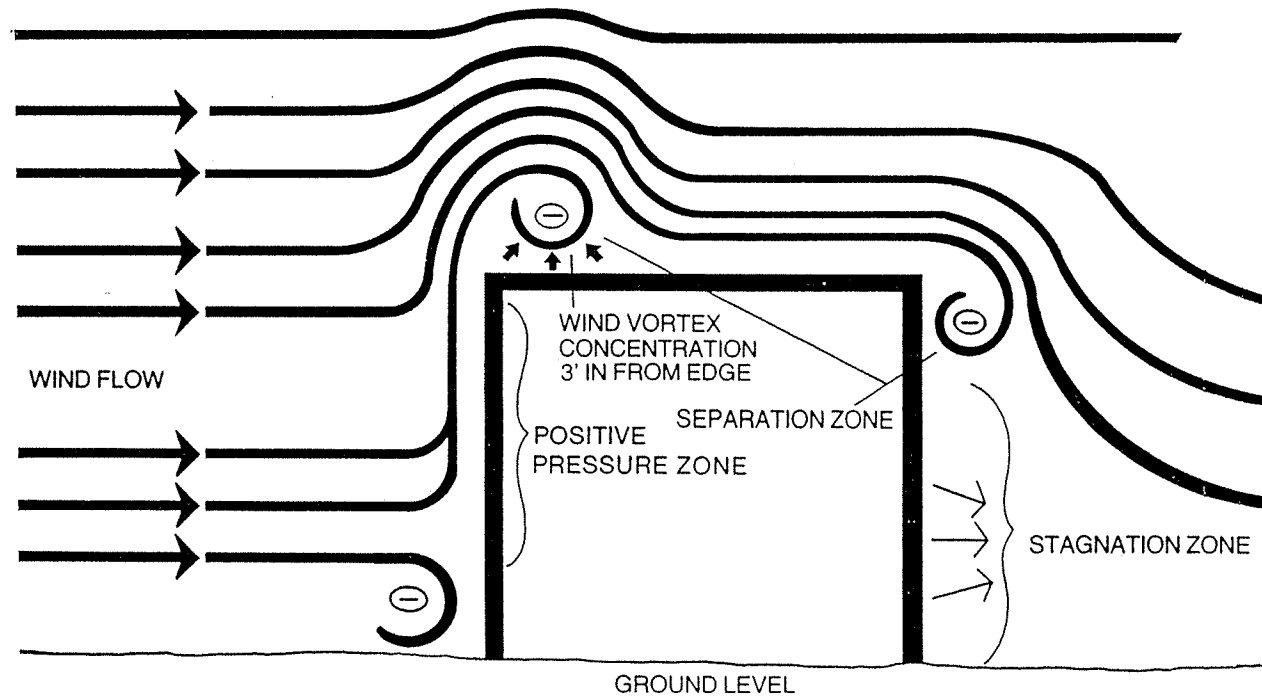


# WIND FLOW ACROSS BUILDINGS WITH STANDARD GRAVEL STOP EDGE

MINUS - AIR PRESSURE - CREATED FROM WIND UP THE SIDE OF BUILDING CAUSING VORTEX

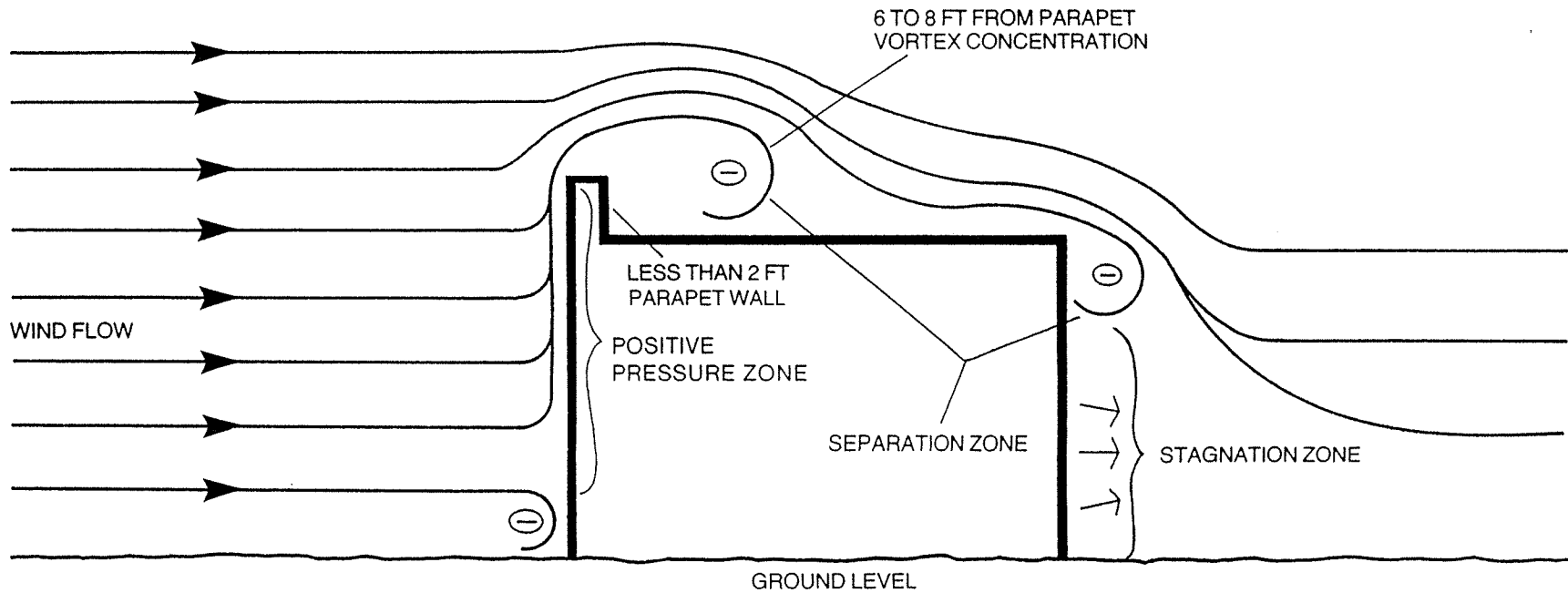


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**WIND FLOW ACROSS BUILDINGS WITH LESS THAN 2 FOOT PARAPET WALL**  
INTENSITY OF WIND UPLIFT VORTEX EXTENDED INWARD 6 TO 8 FT

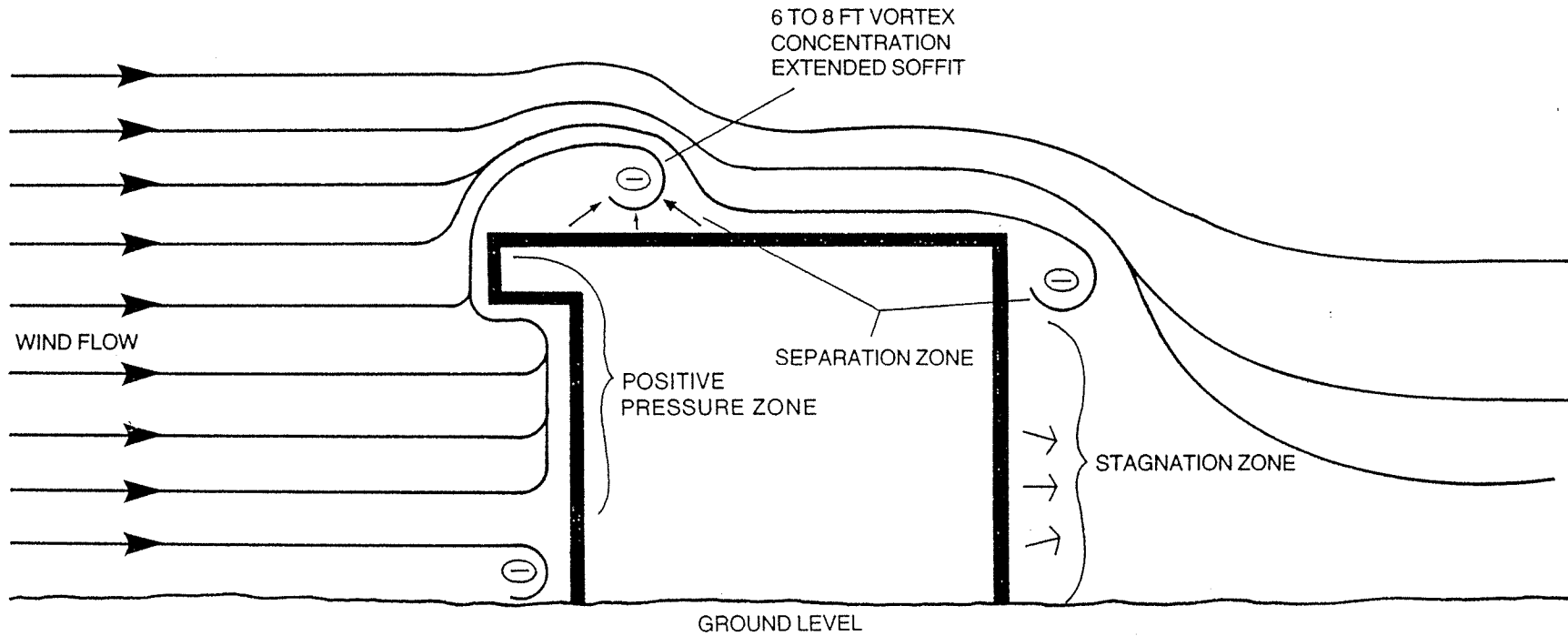


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**WIND FLOW ACROSS BUILDINGS WITH EXTENDED SOFFITS AND FACIAS**  
INTENSITY OF WIND UPLIFT VORTEX EXTENDED INWARD 6 TO 8 FT

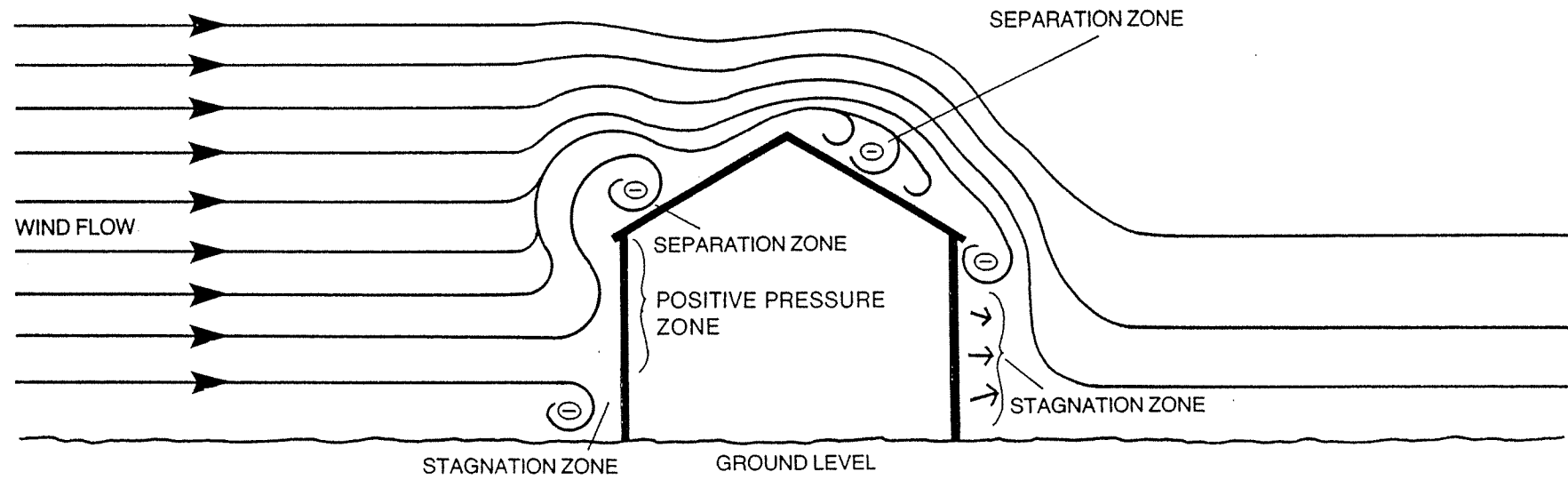


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## WIND FLOW ACROSS PEAKED ROOFS

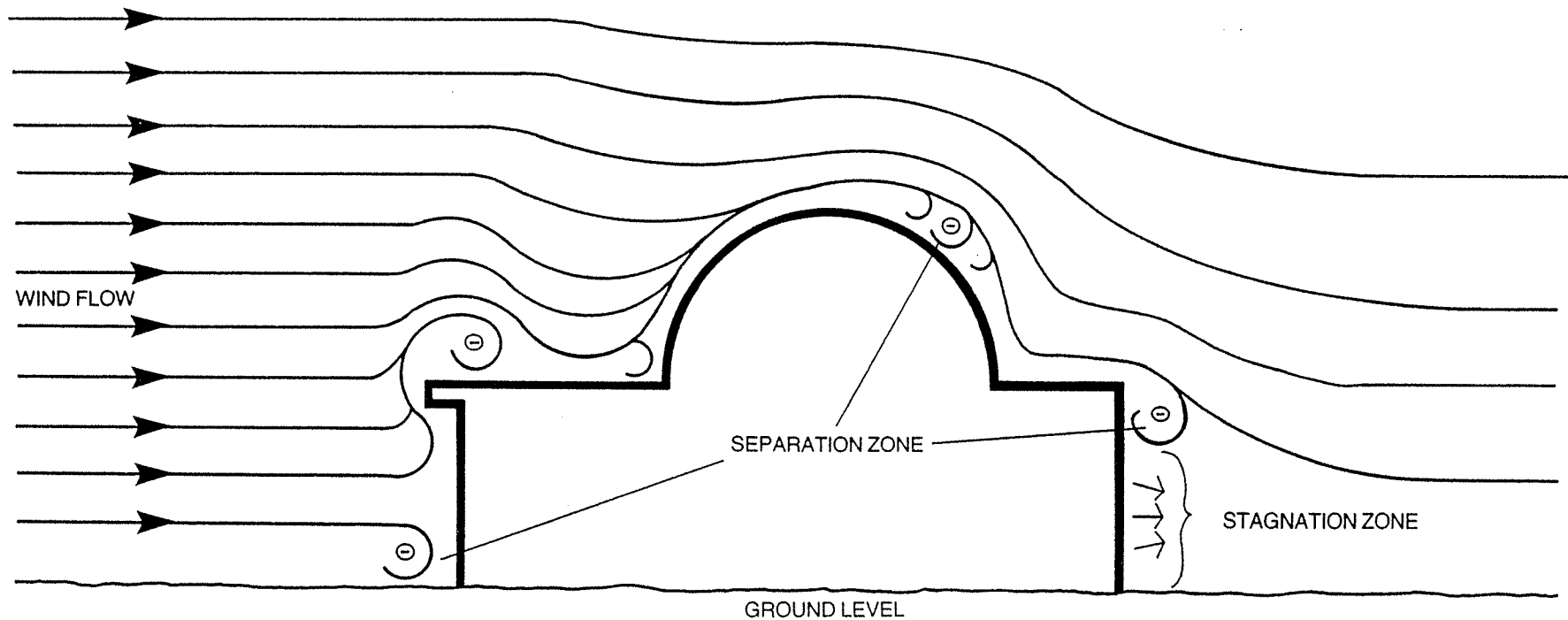


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## WIND FLOW ACROSS BARREL ROOFS



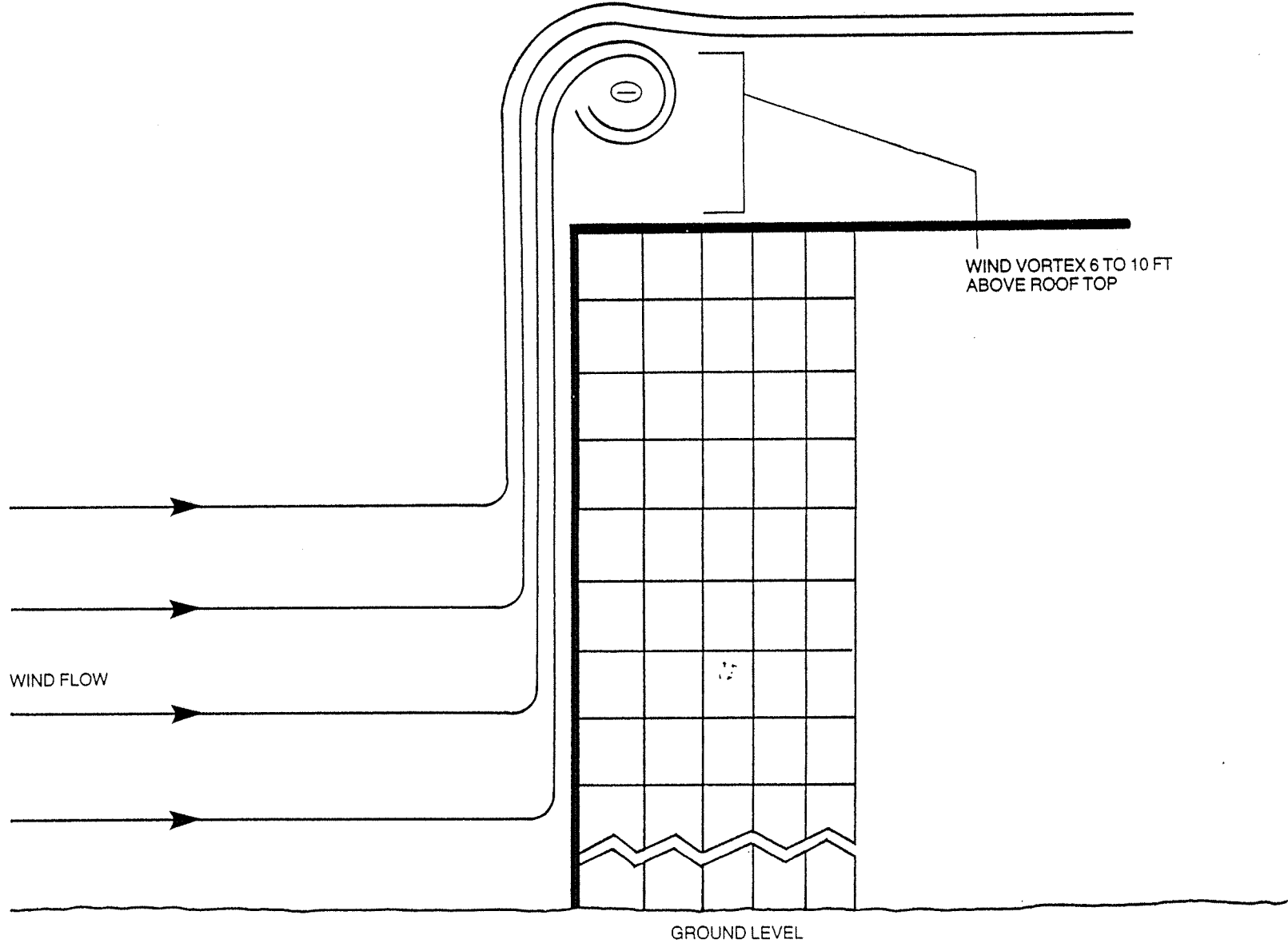
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# WIND FLOW INTO BUILDINGS OVER 30 STORIES

INTENSITY OF WIND UPLIFT VORTEX EXTENDED ABOVE THE ROOF DECK 6 TO 10 FT BECAUSE OF INCREASE OF WIND FLOW UP THE SIDE OF BUILDING



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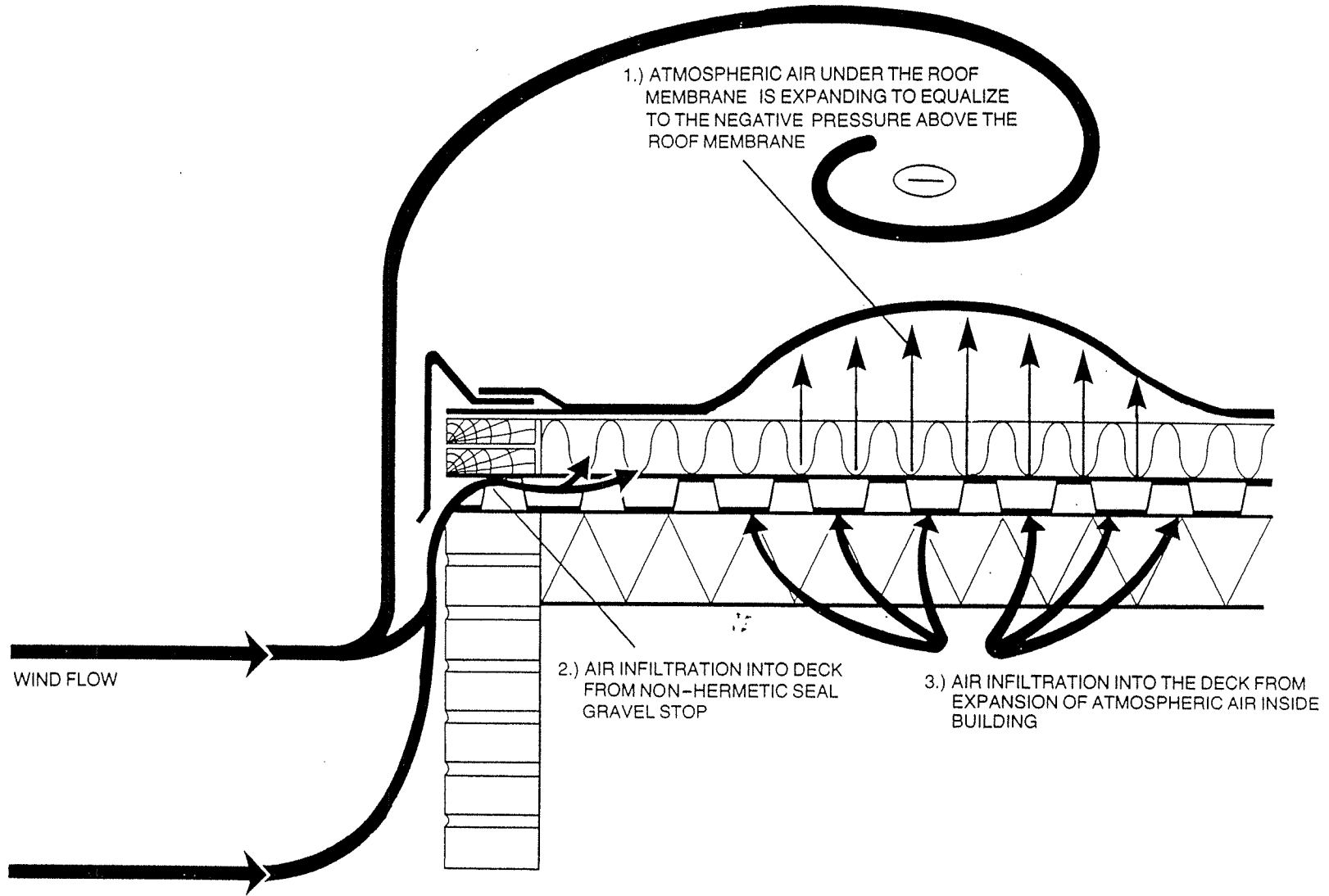
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# REASONS FOR WIND UPLIFT TEAR OFF

- 1.) ATMOSPHERIC AIR UNDER THE ROOF MEMBRANE IS EXPANDING
- 2.) AIR INFILTRATION FROM NON-AIR SEALED DECK
- 3.) AIR INFILTRATION FROM SLOPPY EDGE DETAILS



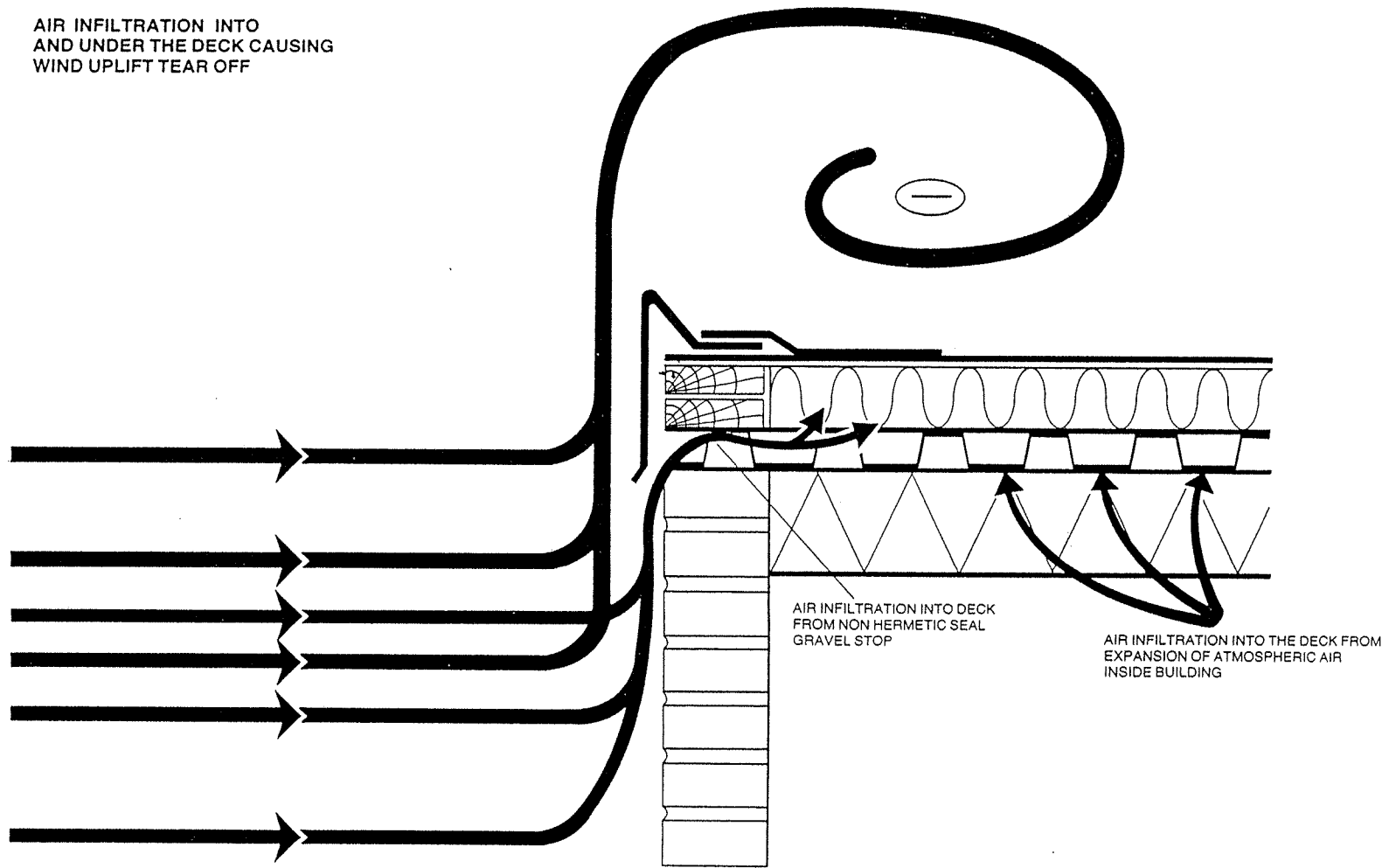
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AIR INFILTRATION INTO  
AND UNDER THE DECK CAUSING  
WIND UPLIFT TEAR OFF



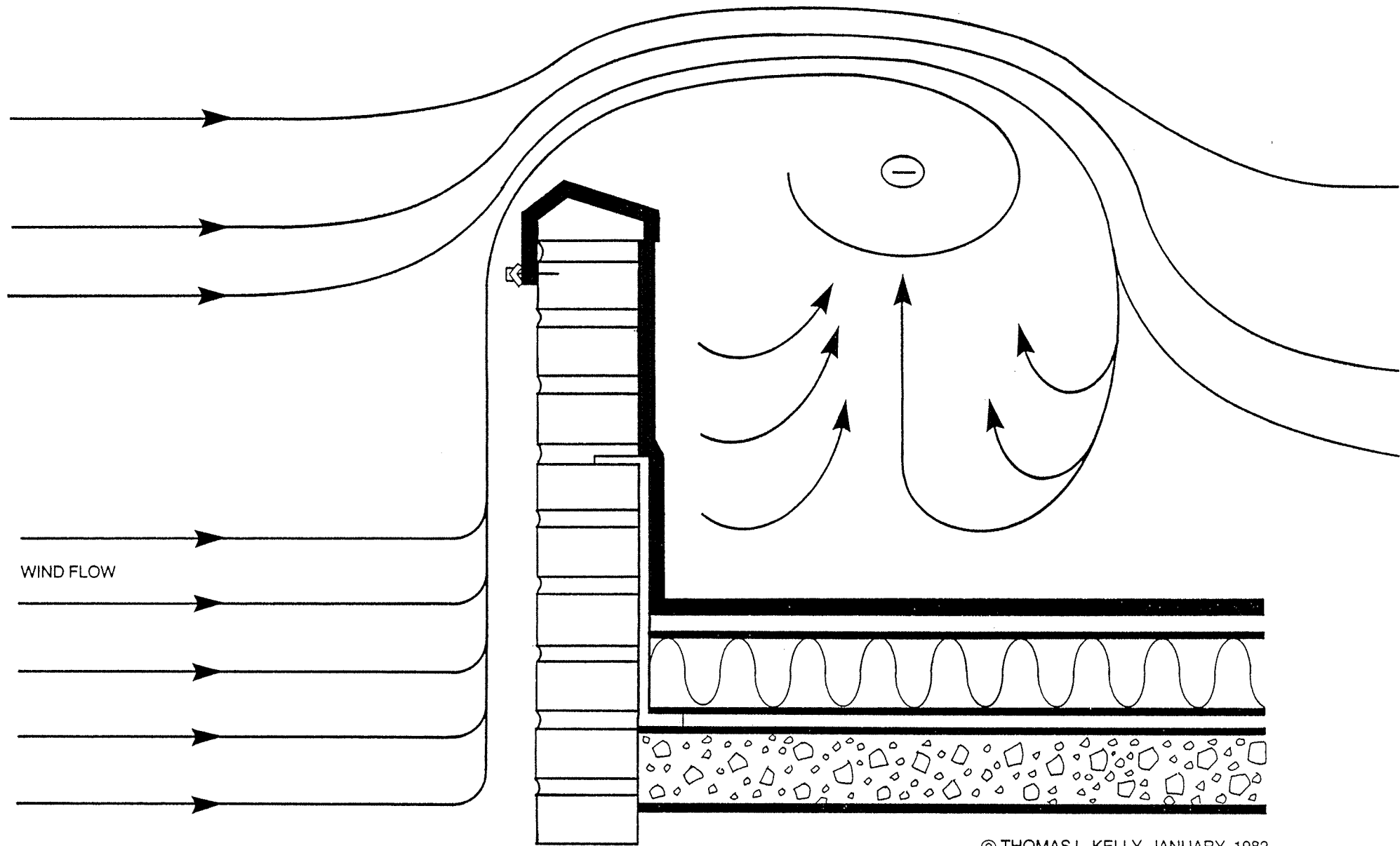
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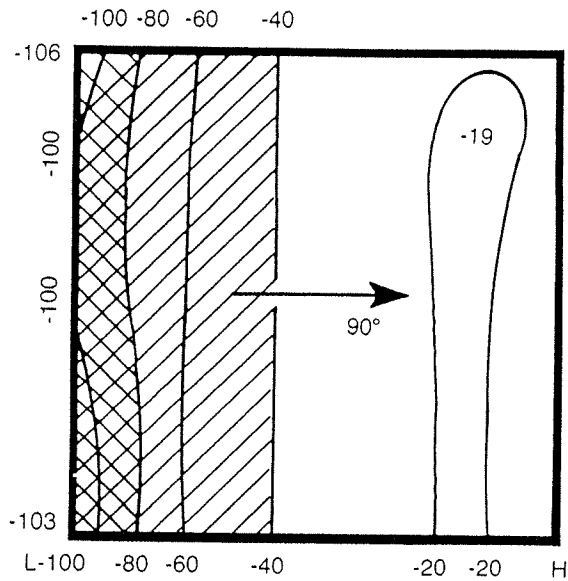
PARAPET WALL DETERIORATION



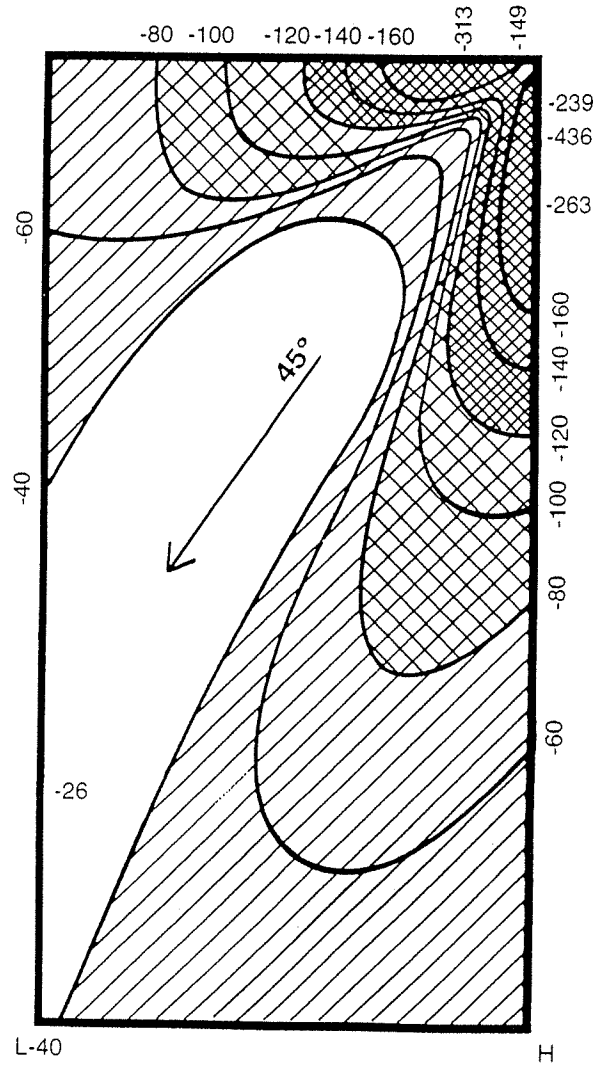
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0.5 ÷ 2 ÷ 1, d6, °240



0.5 ÷ 2 ÷ 1, d10, °2600

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