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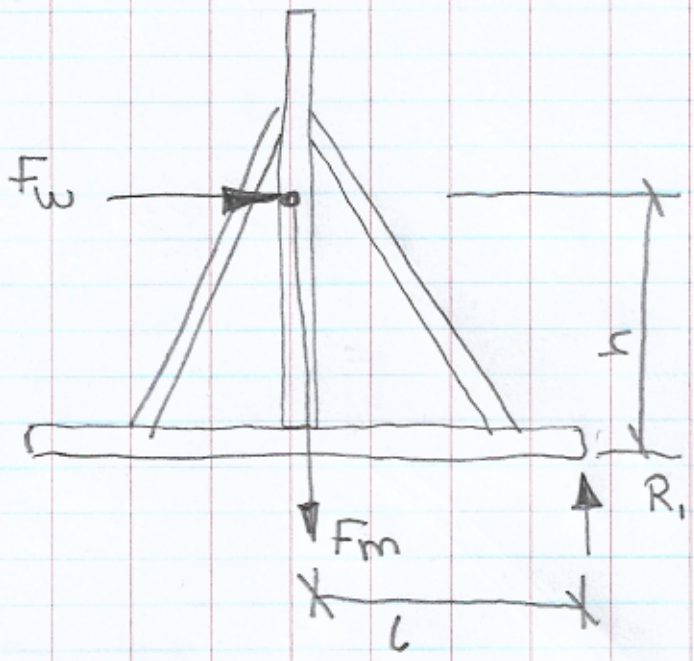
Project :	Ref :	Date :



F_w IS THE FORCE DUE TO THE WIND PRESSURE THAT ACTS ON THE SCREEN. THIS PRESSURE IS RESOLVED INTO THE EQUIVELENT FORCE ACTING AT THE CENTER OF PRESSURE

F_m IS THE FORCE DUE TO THE MASS OF THE SCREEN (MASS x 9.81 THE S.I. UNIT GRAVITATIONAL CONSTANT) THIS FORCE IS THE EQUIVELENT FORCE ACTING THROUGH THE CENTER OF MASS

THEN BY TAKING THE MOMENTS ABOUT R_1 WE CAN DETERMIN IF THE STRUCTURE WILL ROTATE ABOUT R_1 IF THE MOMENT $F_w \times h > F_m \times L$ THE SCREEN WILL ROTATE. IF $F_w \times h < F_m \times L$ THE SCREEN WILL SLIDE BEFORE IT WILL ROTATE