HP-35s Calculator Program –

SNOW LOAD REDUCTION

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Line	Instruction	Process	User Instruction
N001	LBL N	Establishing the library (N goes for Neige)	
N002	CLVARS	Clear all variables	CLEAR 5
N003	NEIGE	Title: Neige	
N004	PSE	Short Pause	Key in using EQN, RCL C, RCL O, et
N005	IMPORTANC FCTR	e.g. 1,2,3.1 for cement,sand,coarse aggregates	y • • y • • • • • • • • • • • • • • • • • • •
N006	TBL 1.5-2 ASCE7	3 , ,,,	
N007	INPUT I	Determine the Importance factor [I]	Nomenclature:
N008	GRND SNOW		
N009	PG FIG 7-1	Ground Snow load as determined in fig. 7-1 of ASCE-7	A = variable for Option of Pm=Is*pg
N010	INPUT G	Input the Snow load per fig. 7-1 [Pg]	B = variable for Option of
N011	20	pat and direct road poi ing [i gj	Pm=0.7*Ce*Ct*Is*pg
N012	x <y?< td=""><td>Selecting appropriate routine based on above or below</td><td>E = Exposure Factor Ce</td></y?<>	Selecting appropriate routine based on above or below	E = Exposure Factor Ce
N013	GTO N019	20 psf minimum	F = Pf Snow Load of Flat Roofs
N014	RCL G		G = Pg Ground snow load as
N015	RCL I		determined from Fig. 7-1 in psf
N016	×		I = I Importance Factor from Tbl 1.5-
N017	STO A	Option of Pm=Is*pg	2 of ASCE-7
N018	CLSTK	орион он ни не ру	S = Roof slope in degrees
N019	EXP FCTR		T = Ct Thermal factor from Tbl 7-2
N020	TBL 7-2 ASCE7	Input the Ce factor based on Graphs of Table 7-2	1 Ot memarador nom 15/12
N021	INPUT E	input the de lactor based on Graphs of Table 7.2	
N022	CT THERM FCTR		
N023	TBL 7-3		
N024	INPUT T	Input the Ct factor based on Graphs of Table 7-3	
N025	x	input the of lactor based on Graphic of Table 7 o	
N026	RCL G		
N027	x		
N028	RCL I		
N029	×		
N030	0.7		
N031	×		
N032	STO B	Option of Pm=0.7*Ce*Ct*Is*pg	
N033	RCLA		
N034	x≥y?	Determining governing option	
N035	GTO N037	3 3 × 5 × 1 × 1	
N036	х<>у		
N037	STÓ F		
N038	SLOPE DEGREES		
N039	PSE		
N040	INPUT S	Input the degrees of slope	
N041	5		
N042	x≥y?		
N043	GTO N050		
N044	SLOPE FCT		
N045	7.4.1 - 7.4.4		
N046	INPUT S		
N047	RCL F		
N048	×		
N049	STO F		
N050	VIEW F		
N051	STOP		
N052	RTN		