

CODE CONFORMANCE BY DESIGN
MICHIGAN BUILDING CODE 2015

PLAN REVIEW NOTES;
JURISDICTION MECOSTA COUNTY
BUILDING LOCATION ADDRESS
BUILDING DESCRIPTION SIZE

SECTION		
3	OCCUPANCY CLASSIFICATION	F1 (NFPA 12)
4	SPECIAL DETAILED REQUIREMENTS	NONE
5	ACTUAL AREA/ HEIGHT	7040 sq. ft. 1 STORY <17.5' MEDIAN HEIGHT
503	PERMITTED AREA/HEIGHT	13000 sq. ft. 1 STORY 40' HEIGHT
505	MEZZANINES & EQUIP PLATFORMS	N/A (NONE)
506	AREA MODIFICATION FACTOR	N/A
508.2	ACCESSORY OCCUPANCIES	N/A (NONE)
508.4	SEPARATION OF OCCUPANCIES	N/A (NONE)
509	INCIDENTAL USE AREA	N/A (NONE)
510	SPECIAL PROVISIONS	N/A (NONE)
601	CONSTRUCTION TYPE	VB (NFPA V 000)
	STRUCTURAL FRAME FIRE RATING	0 hr
	EXT BEARING WALL FIRE RATING	0 hr
	INT BEARING WALL FIRE RATING	0 hr
602	EXT. NON BEARING FIRE RATING	0 hr (>30' SEPARATION)
	INT. NON BEARING FIRE RATING	0 hr
	FLOOR FIRE RATING	0 hr
	ROOF SYSTEM FIRE RATING	0 hr
	SEPARATION DISTANCE NORTH	>30'
	SEPARATION DISTANCE EAST	>30'
	SEPARATION DISTANCE SOUTH	>30'
	SEPARATION DISTANCE WEST	>30'
701	FIRE RESISTANCE	N/A (NONE)
801	WALL & CEILING FINISH	CLASS C OR BETTER THROUGH OUT
903	AUTOMATIC SPRINKLERS	NONE
906	PORTABLE FIRE EXTINGUISHER	10 lb ABC AT EGRESS DOORS
907	FIRE ALARMS & DETECTION	INTERCONNECTED SMOKE ALARMS 907.2.11
1004	OCCUPANCY LOAD	BY TABLE= 34,BY DESIGN= 20
1016	EXIT TRAVEL DISTANCE	200' PERMITTED, <65' ACTUAL
1009, 1018	STAIR & CORRIDOR WIDTH	44"
1015, 1022	NUMBER OF EXITS	2 REQUIRED, 5 SHOWN
11	ACCESSIBILITY	MICHIGAN BARRIER FREE ANSI A117.1
1203.4	NATURAL VENTILATION NEEDS 4%	ACTUAL PROVIDED 0.01%
1205	NATURAL LIGHT NEEDS 8%	ACTUAL PROVIDED 0.01%
1209	ACCESS TO UNOCCUPIED SPACES	ATTIC HATCH,
1210	TOILET & BATHROOM REQUIREMENTS	
13	ENERGY EFFICIENCY	MUEC 2015,
14	EXTERIOR WALLS	STEELSIDING, WOOD FRAME, LINER PANEL
15	ROOF & ROOF ASSEMBLIES	STEEL ON WOOD FRAME, LINER PANEL
1505	ROOF COVERING CLASSIFICATION	C
1604.5	RISK CATAGORY	II
1607.1	UNIFORM FLOOR LIVE LOAD	100 lbs
1607.11	ROOF LIVE LOAD	min. 20 psf
1608.2	GROUND SNOW LOAD Pg	40 psf
	FLAT ROOF SNOW LOAD Pf	28 psf
	SLOPED ROOF LOAD Ps	28 psf
	SNOW IMPORTANCE FACTOR I	1
	SNOW EXPOSURE FACTOR Ce	1
	THERMAL FACTOR Ct	1
1609	BASIC WIND SPEED	115 mph
	WIND IMPORTANCE FACTOR	1
1609.4	WIND EXPOSURE CATAGORY	SURFACE B EXPOSURE B
	SEISMIC OCCUPANCY CATAGORY	II
1613.5.6	SEISMIC DESIGN CATAGORY	A
1613.5.5	SITE CLASS	D
31	SPECIAL CONSTRUCTION	NONE
34	EXISTING BUILDINGS & STRUCTURES	

MINIMUM FLAT ROOF SNOW LOAD VALUE
IF Pg <= 20psf THEN
Pf = min [0.7 Ce Ct,1]"I Pg]
else Pf=MIN [0.7 Ce Ct Pg, 20psf]"I

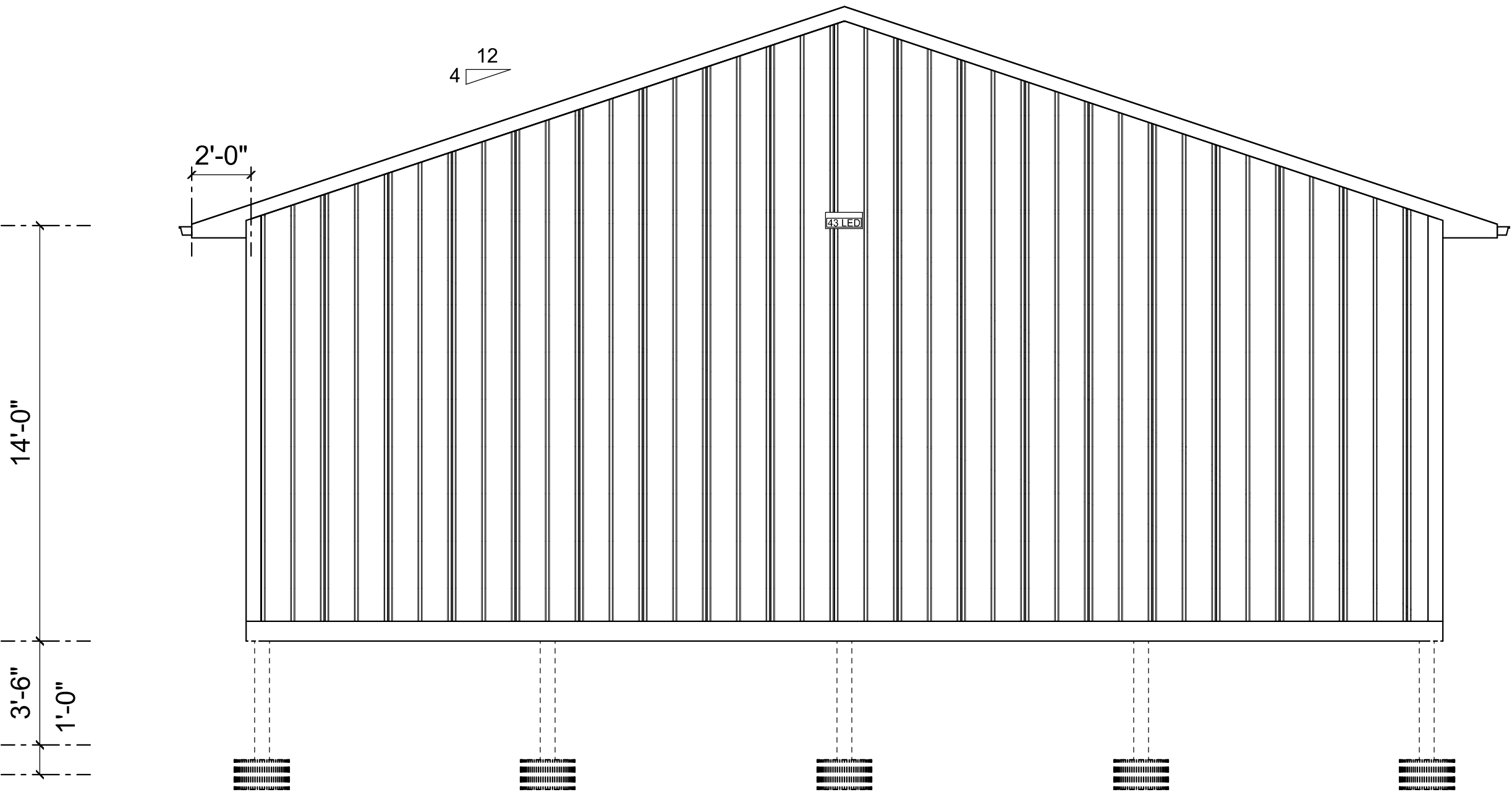
FLAT ROOF & LOW SLOPE SNOW LOADS ASCE 7
Pf = 0.7 *Ce*Ct*I*Pg
Pf = CeI*Pg
where:
Pf = LOW SLOPE ROOF SNOW LOAD
Pg = GROUND SNOW LOAD
Ce = SNOW EXPOSURE FACTOR
Ct = THERMAL FACTOR
I = SNOW IMPORTANCE FACTOR

Pf =
Pg = 40
Ce = 1
Ct = 1
I = 1
Pf = 0.7 *(1)*(1)*(1)*(40)
Pf = 28

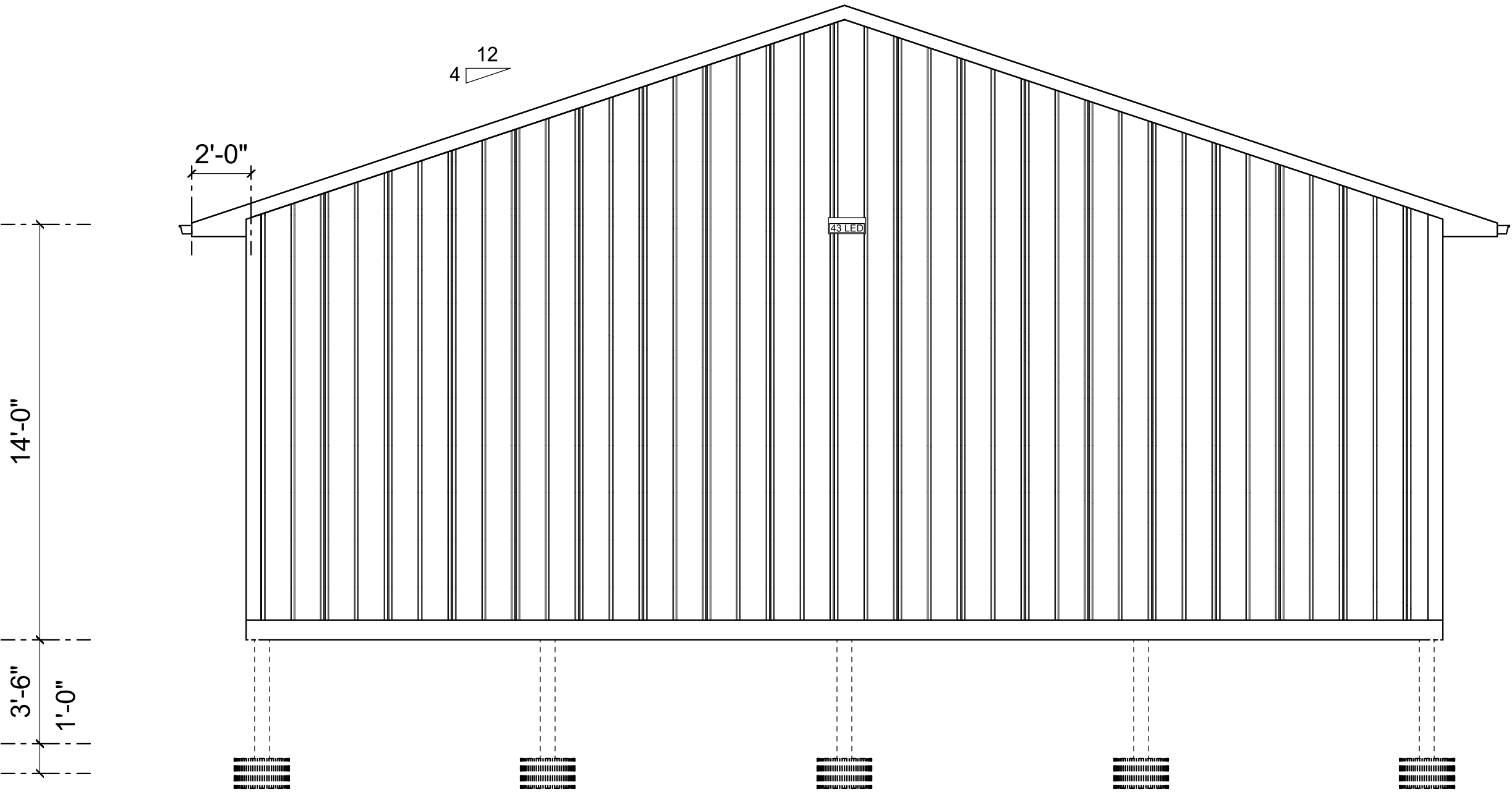
COMBINED ROOF LOAD
Combined Roof Download = DL+LL+SNOW LOAD (Ps)
Ps = 28 psf
LL= 20 psf
DL=8.75 psf

TOTAL ROOF LOAD DESIGN= 56.75 psf

SCOPE OF PROJECT:



SOUTH ELEVATION



NORTH ELEVATION