



CLIMATIC & DESIGN LOAD DATA	
Smithville, Ontario	
ROOF LOADING	
GROUND SNOW LOAD S <sub>s</sub>	1.5 (31.33 psf)
RAIN LOAD S <sub>r</sub>	0.4 (8.35 psf)
SNOW LOAD FACTOR C <sub>b</sub>	0.55
ROOF DESIGN SNOW LOAD	1.23 (25.58 psf)
ROOF & CEILING DESIGN DEAD LOAD	0.57 (12.00 psf)
FLOOR LOADING	
GROUND & SECOND FLOOR	1.92 (40.00 psf)
FLOOR/CEILING DESIGN DEAD LOAD	0.72 (15.00 psf)
WIND LOADING	
1/50 WIND PRESSURE	0.42 (8.77 psf)
1/10 WIND PRESSURE	0.33 (6.89 psf)
TEMPERATURE	
DEGREE DAYS BELOW 18°C	3650
SOIL	
ASSUMED ALLOWABLE BEARING PRESSURE AT FOOTING FOUNDING ELEVATION(S)	75 (1556 psf)
ROCK	500 (10,443 psf)
FREEZING INDEX (°F) - 100 YR RETURN PERIOD	
ELEVATION (METERS)	
185	
THE DESIGN DEAD LOADS SPECIFIED ABOVE ARE BASED ON THE DRAWINGS AND MATERIALS EITHER SPECIFIED OR ASSUMED. WHERE DIFFERENT OR HEAVIER MATERIALS ARE PROPOSED THE CONTRACTOR MUST NOTIFY THE DESIGNER PRIOR TO CONSTRUCTION OF ANY LOAD-BEARING ELEMENTS THAT MAY BE ADVERSELY AFFECTED.	
IBD INTERACTIVE BUILDING DESIGN	



SITE PLAN

SCALE: 1" = 15'-0"

ADDRESS:  
8457 Silver St, Caistor Centre, ON L0R 1E0  
ZONING: R1A

PROPOSED LOT COVERAGE  
TOTAL LOT AREA: 5293.71 m<sup>2</sup>  
EXISTING HOUSE AREA: 292.18 m<sup>2</sup>  
EXISTING SHED AREA: 14.86 m<sup>2</sup>  
TOTAL PROPOSED SHOP AREA: 162.58 m<sup>2</sup> (3.07% COVERAGE, 8% MAX)  
PROPOSED COVERAGE: 469.62 m<sup>2</sup> 8.87% (20% MAX)

LOWDEN SHOP  
1750 SQFT SHOP

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