



BURLEIGH COUNTY BUILDING, PLANNING, ZONING

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APPLICABLE CODES

2021 International Building Code	2021 International Residential Code
2018 North Dakota Plumbing Code	2021 International Mechanical Code
2017 National Electrical Code	2021 International Fire Code
2021 International Fuel Gas Code	2009 ANSI A 117
2021 International Energy Conservation Code	

CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA*

GROUND SNOW LOAD ^o	WIND DESIGN				SEISMIC DESIGN CATEGORY ^f	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP ^o	ICE BARRIER UNDERLAYMENT REQUIRED ^h	FLOOD HAZARDS ^g	AIR FREEZING INDEX ⁱ	MEAN ANNUAL TEMP ⁱ
	Speed ^d (mph)	Topographic effects ^k	Special wind region ^l	Windborne debris zone ^m		Weathering ^a	Frost line depth ^b	Termite ^c					
35 lbs./ft.	115	No	No	No	A	Severe	4 ft.	None	-18	Yes	8-4-2014	4,000	41.5
MANUAL J DESIGN CRITERIA ⁿ													
Elevation		Latitude		Winter heating	Summer cooling	Altitude correction factor		Indoor design temperature	Design temperature cooling		Heating temperature difference		
1663		46° 53' 26" N		-18	87	0		70	75		86		
Cooling temperature difference		Wind velocity heating		Wind velocity cooling	Coincident wet bulb	Daily range		Winter humidity	Summer humidity				
12		15mph		7.75mph	70	M		30%	50%				

* TABLE R301.2(1) 2021 IRC