

SITE INSTRUCTION NO. ME-10
MECHANICAL AND ELECTRICAL

Project Name: Carleton Place Arena
75 Neelin Street
Carleton Place, Ontario

Project No.: 205
Date: 2021 February 03

MECHANICAL

M10.1 Natural Gas Load:
Refer to attached Natural Gas Load calculation.
Header supplying existing and new building shall be 5" size.

M. Morris P.Eng.

MORRIS Engineering Ltd.

**NEELIN COMMUNITY CENTRE
CARLETON PLACE ARENA
Carleton Place, Ontario**

Date: 2021-02-03

Rev: 0

Natural Gas Load			Units	Input	Total
				per unit	Input
				(Mbtu/hr)	(Mbtu/hr)
1	NORTH ARENA				
	Dressing Rooms	Furnace	1	120	120
	Arena	Radiant Heaters (est)	3	40	120
	Second Floor	Rooftop Unit	1	180	180
2	SOUTH ARENA				
	Dressing Rooms	Furnace	2	80	160
	Lobby	Furnace	1	120	120
	Arena	Radiant Heaters (est)	4	40	160
	Work Areas	Unit Heaters (est)	3	150	450
	Water Heat	Boiler	1	400	400
	Second Floor	Rooftop Units	2	235	470
	Outdoor Building	Heater (est)	1	150	150
	SUB-TOTAL (EXISTING)			Mbtu/hr	2,330
3	NEW ADDITION				
	Dressing Rooms	Rooftop Unit	2	150	300
	Office	Rooftop Unit	1	108	108
	Water Heat		2	200	400
	TOTAL			Mbtu/hr	3,138

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