2810 sqm

3295sgm

APPLICABLE BUILDING CODE PART

MDIV. B DIV. B PART 9

DORMS W/FUTURE

EXPANSION

CLASSIFICATION

PERMITTED BUILDING CONSTRUCTION

XCOMBUSTIBLE

FLOORS

ROOF

MEZZ

FIRE RATING

XNON-COMBUSTIBLE

NEW □ ADDITION □ ALTERATION □ CHANGE OF USE

BUILDING CODE: NATIONAL BUILDING CODE OF CANADA 2010

4 MAJOR OCCUPANCIES (%) AND OCCUPANT LOAD (OL)

DORM ROOMS LOUNGE † AREAS (GROUP C) (GROUP A-2) (GROUP F-3)

GROUP C, UP TO 4 STOREYS, SPRINKLERED 3.2.2.50

MAX. PERMITTED BUILDING HEIGHT (STOREYS): 2

MAX. PERMITTED BUILDING AREA: 3600 sqm

HORIZONTAL ASSEMBLIES (3.2.2.50)

FIRE RATING

FIRE PROTECTION & BUILDING SERVICES

SPRINKLER SYSTEM **X**ENTIRE BUILDING

STAND PIPE (3.2.5.8) YES X NO

FIRE ALARM (3.2.4.1) XYES NO

COMPLIANCE TO BE FINALIZED

11 ADDITIONAL REQUIREMENTS

SOUND TRANSMISSION 5.9.1.2

GROUND & SECOND FLOOR

<u>required</u>

SELECTED COMPARTMENTS

NOTE: STANDPIPE SYSTEM IS RECOMMENDED BY NGBPG : PART M6 - FIREPROTECTION

9 BARRIER FREE DESIGN ENTIRE BUILDING SELECTED AREAS

10 PLUMBING FIXTURES % MALE: 80%-100% % FEMALE: 20% MAX (MALE FEMALE % AS PER BIM)

SINGLE OCCUPANCY BATHROOM IS PROVIDED FOR EACH OCCUPANT

STC 50 - BETWEEN DORM AND ADJACENT SPACE STC 55 - BETWEEN DORM AND ELEVATOR HOISTWAY/REFUSE CHUTE

SPATIAL SEPARATION AND EXPOSURE PROTECTION 3.2.3

APPLICABLE BUILDING CODE CLASSIFICATION RELATIVE TO OCCUPANCY

5620 sqm

6589 sqm

GROSS BUILDING HEIGHT BUILDING FLOOR AREA (STOREYS) HEIGHT (EAVE)

APPLIED BUILDING CODE PART

DIV. B
PART 3 PART 9

APPLICABLE REF.

VERTICAL ASSEMBLIES

<u> ACTUAL</u>

NONE

X ENTIRE BUILDING SELECTED COMPART.

🗌 YES 🗶 NO

X YES NO

FIRE RATING

(3.4.4.1) 1 H (3.5.3.1)

45 MIN.

ACTUAL BUILDING CONSTRUCTION

NON-COMBUSTIBLE

(SHAFTS)

ELEVATORS

DUMBWAITER

EXITS

FIRE SEPARATION ELECTR. JANITOR'S LAUNDRY MECH. DORM AT WALKWAY ROOM ROOM ROOM SUITES

45 MIN. 1H NON-RATED NON-RATED 1H 1H (3.2.3.19) (3.6.2.1) (3.3.1.21) (3.3.1.22) (3.6.2.1) (3.3.4.2.1)

OCCUPANT LOAD FIXTURES REQ. FIXTURES PROV. NBC REF.

X COMBUSTIBLE

7 FIRE RESISTANCE RATING OF ASSEMBLIES & REQUIRED FIRE SEPARATIONS

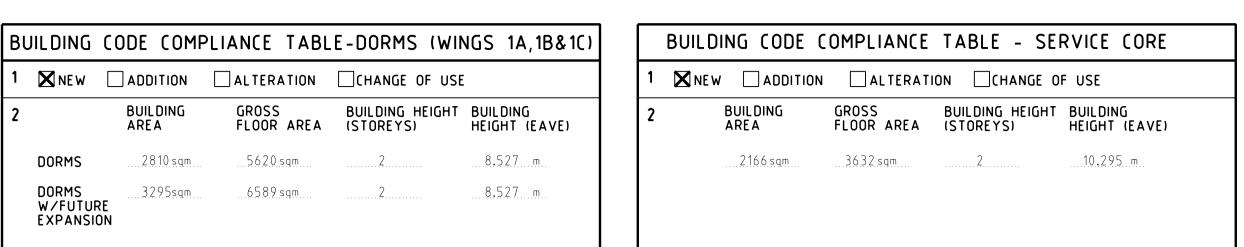
2 8.527 m

2 8,527 m

73

73

BLD-4520.101



3	BUILDING CODE: NATIONAL BUIL	DING CODE OF CANADA 2010
	APPLICABLE BUILDING CODE PART	APPLIED BUILDING CODE PART
	DIV. B PART 3 PART 9	PART 3 DIV. B
,	MAIOR OCCUPANCIES (%) AND	OCCUPANT LOAD (OL)

ı	4	MAJUK	OCCUPANCIES	CIES 1/6/ AND OCCUPANT LUAD TOLL			UL UL			
			DEPARTURE/ ARRIVALS (GROUP D)	DINING/ KITCHEN (GROUP A-2)	GYM (GROUP A-2)	FITNESS/ RECREATION (GROUP A-2)	SERVICE AREAS (GROUP F-3)	TOT. OCCUP.		
		GROUND FLOOR	25.4% *43	34.9%	33.7%		6% †	119		
		SECOND FL./MEZZ			23.5%	55.2% 35	21.3%	40		
		* /.O OIIT	. UE ('3 IZ CUV	ISIDEREN TEMPO	NDADY -	H NOT CONSIDER	PED MAIOR OCC	ΠΡΔΝΓΥ		

5	APPLICABLE BUILDING CODE CLASSIFICATION	N RELATIVE TO OCCUPANCY
	CLASSIFICATION	APPLICABLE REF.
	GROUP A, DIVISION 2, UP TO 2 STOREYS, INCREASED AREA, SPRINKLERED	3.2.2.26

MAX.	PERMITTED	BUILDING	AREA:		2400 sqm
MAX.	PERMITTED	BUILDING	HEIGHT	(STOREYS):	.2

6	PERMITTED BUILDING CONSTRUCTION	ACTUAL BUILDING CONSTRUCTION
	XCOMBUSTIBLE XNON-COMBUSTIBLE	COMBUSTIBLE NON-COMBUSTIBLE

7	FIRE RESISTA	NCE RATING O	F ASSEMBLIES	& REQUIRED I	FIRE SEPARATIONS
		HORIZONTAL (3.2.	ASSEMBLIES 2.26)	VERTICAL A	SSEMBLIES
		FIRE RATING	SUPP. MEMBER FIRE RATING		FIRE RATING
	FLOORS	45 MIN	45 MIN	EXITS	45 MIN. (3.4.4.1)
	ROOF	-	-	ELEVATORS	45 MIN. (3.5.3.1)
	MEZZ	45 MIN	45 MIN	MECHANICAL	45 MIN. (3.6.3.1)
	OTHER	FIRE SEPARATION AT WALKWAY	ELECTR. ROOM	JANITOR'S ROOM	MECH. ROOM

MEZZ	45 MIN	45 MIN	MECHANICAL	(3.6.3.1)
OTHER	FIRE SEPARATION AT WALKWAY	ELECTR. ROOM	JANITOR'S ROOM	MECH. ROOM
FIRE RATING	45 MIN. †† (3.2.3.19)	1H (3.6.2.1)	NON-RATED (3.3.1.21)	1H (3.6.2.1)
tt including (JTILIDOR			
FIRE PROTEC	TION & BUILDIN	IG SERVICES		
	<u>required</u>	!	<u>ACTUA</u>	L
SPRINKLER SYS	TEM X ENTIR	E BUILDING	X EN	TIRE BUILDING

	SPRINKLER SYSTEM	■ENTIRE BUILDING SELECTED COMPARTMENTS	■ ENTIRE BUILDING SELECTED COMPART.
		NONE	NONE
	STAND PIPE (3.2.5.8)	YES NO	YES 🔀 NO
	FIRE ALARM (3.2.4.1)	X YES NO	X YES NO
9	BARRIER FREE DES	IGN ENTIRE BUILDING	X SELECTED AREAS

	COMPLIANCE	TO BE FINALIZED)		
10	PLUMBING	FIXTURES	% MALE: 80%-100% (MALE FEMALE % AS	 20% MAX	

			OCCUPANT LOAD **	FIXTURES REQ.	FIXTURES PROV.	NBC REF.
	GROUND FLOOR	М	119	3	3 ***	2722A
	GROUND FLOOR	F	24	+ 1 2 ***		3.7.2.2.A
	SECOND FLOOR	М	40	1	3	3.7.2.2.A
		F	8	1	1	J./.Z.Z.A

** DOES NOT INCLUDE TEMPORARY; OCCUPANCY IS NOT SIMULTANEOUS IN ALL SPACES *** DOES NOT INCLUDE UNISEX WASHROOM FIXTURES

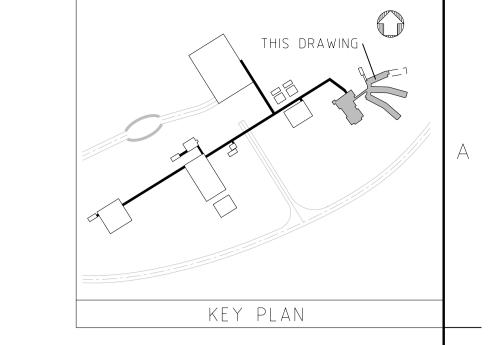
11 ADDITIONAL REQUIREMENTS

SPATIAL	SEPARATION	AND	EXPOSURE	PROTECTION	3.2.3	

		SEE	GENE	RAL

FACILITIES DESCRIPTION						
	GROSS FLOOR AREA (sqm)	LOCATION	REMARKS			
SERVICE CORE	•					
ARRIVAL/DEPARTURE/OFFICES	356	GROUND FLOOR	WAITING AREA-SEATING FOR 40 PERSONS AREA INCLUDES PART OF EXT. TERRACE			
DINING	163	GROUND FLOOR	SEATING FOR 78 PERSONS			
KITCHEN	375	GROUND FLOOR	AREA INCLUDES LOADING DOCK AREA			
GYM	984	GROUND/MEZZ. FLOOR				
FITNESS ROOMS	213	SECOND FLOOR				
GAMES ROOM & GAMES STORAGE	102	SECOND FLOOR				
MOVIE ROOM	77	SECOND FLOOR				
TV ROOM	43	SECOND FLOOR				
LIBRARY	36	SECOND FLOOR				
INTERNET ROOM	26	SECOND FLOOR				
MAIL ROOM	19	SECOND FLOOR				
MECHANICAL/ELECTRICAL ROOMS /TELECOM ROOM	195	SECOND FLOOR				
SHOP	55	GROUND FLOOR				
LAUNDRY	41	GROUND FLOOR	COMMERCIAL TYPE			
WASHROOMS/HOT TUB/SAUNA	115	SECOND FLOOR				
INUIT KITCHEN & STORAGE	54	GROUND FLOOR				
LOUNGE	41	SECOND FLOOR				
CIRCULATION & EXIT/SHAFT	737	GROUND/SECOND FLOOR	AREA DOES NOT INCLUDE EXT. STAIRS & RAMPS			
TOTAL SERVICE CORE	3632		SEE GENERAL NOTE 3			
DORMS						
DORM ROOMS	3134	GROUND TO THIRD FLOOR	73 ROOMS PER FLOOR			
LOUNGES	258	GROUND TO THIRD FLOOR	5 LOUNGES PER FLOOR			
LAUNDRY ROOMS	115	GROUND TO THIRD FLOOR	3 SELF SERVICE LAUNDRY ROOMS PER FLOOR			
MECH. ROOMS	144	GROUND TO THIRD FLOOR	3 MECHANICAL ROOMS PER FLOOR			
ELECT. ROOMS	105	GROUND TO THIRD FLOOR	3 ELECT. ROOMS PER FLOOR			
HOUSEKEEPING & BAG STORAGE	318	GROUND TO THIRD FLOOR	3 HOUSEKEEPING ROOMS PER FLOOR 3 BAG ROOMS PER FLOOR			
WORKSHOP	29	GROUND FLOOR				
CIRCULATION & EXIT/SHAFT	1517	GROUND TO THIRD FLOOR	AREA DOES NOT INCLUDE EXT. STAIRS & RAMPS			
TOTAL DORMS	5620					
WALKWAY	_		1			
TOTAL WALKWAY	236	GROUND & SECOND FLOOR				

DORM WING	GROUND FLOOR	SECOND FLOOR	TOTAL	TOTAL W/ FUTURE EXPANSION
1A	30	30	60	60
1B	28	28	56	56
1C	15	15	30	62
TOTAL	73	73	146	178



APPLICABLE DRAWINGS				
DWG NUMBER	TITLE			
H337697-4520-40-042-0001	COVER SHEET			
H337697-4520-40-042-0002	OVERALL GROUND FLOOR PLAN			
H337697-4520-40-042-0003	OVERALL SECOND FLOOR PLAN			
H337697-4520-40-042-0004	OVERALL ROOF PLAN			
H337697-4520-40-042-0005	TYPICAL DORM ROOM PLAN			
H337697-4520-40-042-0006	ELEVATIONS			

APPLICABLE TECHNICAL DOCUMENTS				
DOCUMENT NUMBER	TITLE			
H337697-0000-40-122-0001	ARCHITECTURAL DESIGN CRITERIA			
H337697-0000-40-107-0001	ARCHITECTURAL MATERIALS DATA SHEET			
H337697-0000-00-144-0001	MASTER BUILDING MATRIX			
H337697-0000-95-236-0001	FACILITY SUMMARY- PERMANENT FACILITIES			

GENERAL NOTES:

MODULAR, PRE-FABRICATED OFF-SITE, FULLY ERECTED AT

SITE ON RAISED PILE FOUNDATIONS. 2. TOTAL FINAL DORM ROOM COUNT SHALL BE± 300.

3. FINAL SIZE OF SERVICE CORE SHALL ACCOMMODATE 300 PERSONS.

LEGEND:

NGBPG NUNAVUT GOOD BUILDING PRACTICES GUIDELINE



TBaffinland **■ HATCH** MARY RIVER PROJECT MARJARA C ZHANG DATE 2011-08-29 DATE 2011-08-2 CHECKED BY DISCIP. ENGR. D LAWSON A MARJARA ACCOMMODATION BUILDING (SP) DATE 2011–08–29 DATE 2011–08–2 BLD-4520.101 ARCHITECTURAL PROJ. DES. COORD. PROJ. ENGR. B ISSUED FOR BASIS OF ESTIMATE J. CASSON COVER SHEET A ISSUED FOR INTERNAL REVIEW DATE 2011-08-2 CZ AM AUTH. BY DATE DRAWING NO. DRAWING TITLE DESCRIPTION BY CHK'D APP'D DATE ISSUE FOR PROJ. MGR. SCALE DWG. NO. H. CHARALAMBU H337697-4520-40-042-0001 REFERENCE DRAWINGS REVISIONS ISSUE AUTHORIZATION DATE 2011-08-29