DORM WING 2245 sqm

APPLICABLE BUILDING CODE PART

DIV. B
PART 3

DIV. B
PART 9

PER DORM WING

GROUND 82.2%

82.7%

MAX. PERMITTED BUILDING AREA: ...

PERMITTED BUILDING

CONSTRUCTION

**X**COMBUSTIBLE

FLOORS

ROOF

OTHER

FIRE RATING

SPRINKLER SYSTEM

XNON-COMBUSTIBLE

\* CONSIDERED TEMPORARY

CLASSIFICATION

W/FUTURE

**EXPANSION** 

DMC' NO'

5436sqm

6735 sqm

MAJOR OCCUPANCIES (%) AND OCCUPANT LOAD (OL)

DORM ROOMS LOUNGES + AREAS

4.4%

4.4%

GROUP C, UP TO 4 STOREYS, SPRINKLERED

FIRE RATING

8 FIRE PROTECTION & BUILDING SERVICES

STAND PIPE (3.2.5.8) YES X NO

FIRE ALARM (3.2.4.1) X YES NO

COMPLIANCE TO BE FINALIZED

1 ADDITIONAL REQUIREMENTS

SOUND TRANSMISSION 5.9.1.2

THIRD FLOOR

<u>required</u>

ENTIRE BUILDING

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

4.4%

MAX. PERMITTED BUILDING HEIGHT (STOREYS): 3

HORIZONTAL ASSEMBLIES

1 H

FIRE SEPARATION ELECTR. JANITOR'S LAUNDRY ROOM ROOM ROOM

SELECTED COMPARTMENTS

(GROUP C) (GROUP A2) (GROUP F3)

13.4%

APPLICABLE REF.

3.2.2.50

ACTUAL BUILDING

NON-COMBUSTIBLE

(SHAFTS)

ELEVATORS

DUMBWAITER

MECHANICAL

<u> ACTUAL</u>

EXITS

CONSTRUCTION

**X** COMBUSTIBLE

\*16 12.9%

ACCOMMODATION BUILDING (MR) BLD-4220.101

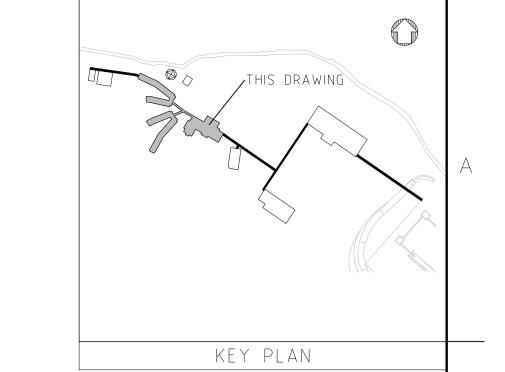
BUILDING CODE COMPLIANCE TABLE-PER DORM WING (1 OR 2) BUILDING CODE COMPLIANCE TABLE - SERVICE CORE NEW ADDITION ALTERATION CHANGE OF USE NEW □ ADDITION □ ALTERATION □ CHANGE OF USE GROSS BUILDING HEIGHT BUILDING FLOOR AREA (STOREYS) HEIGHT (EAVE) BUILDING HEIGHT BUILDING FLOOR AREA (STOREYS) HEIGHT (EAVE) 11.892 m 2395sgm 4168 sgm 2 10.295 m 11.892 m BUILDING CODE: NATIONAL BUILDING CODE OF CANADA 2010 APPLIED BUILDING CODE PART APPLICABLE BUILDING CODE PART DIV. B DIV. B PART 9 BUILDING CODE: NATIONAL BUILDING CODE OF CANADA 2010 APPLIED BUILDING CODE PART MAJOR OCCUPANCIES (%) AND OCCUPANT LOAD (OL) DIV. B
PART 3 PART 9 DEPARTURE/ DINING/ GYM RECREATION AREAS TOT. OCCUP. (GROUP D) (GROUP A2) (GROUP A2) (GROUP A2) (GROUP F3) LOAD GROUND 22.7% 39.7% 32.5% 160 TOT. OCCUP. LOAD \* CONSIDERED TEMPORARY † NOT CONSIDERED MAJOR OCCUPANCY 47 47 APPLICABLE BUILDING CODE CLASSIFICATION RELATIVE TO OCCUPANCY CLASSIFICATION APPLICABLE REF. GROUP A, DIVISION 2, UP TO 2 STOREYS, INCREASED AREA, SPRINKLERED 3.2.2.26 † NOT CONSIDERED MAJOR OCCUPANCY APPLICABLE BUILDING CODE CLASSIFICATION RELATIVE TO OCCUPANCY MAX. PERMITTED BUILDING AREA: MAX. PERMITTED BUILDING HEIGHT (STOREYS): 2 ACTUAL BUILDING CONSTRUCTION PERMITTED BUILDING CONSTRUCTION **X**COMBUSTIBLE **X** COMBUSTIBLE NON-COMBUSTIBLE NON-COMBUSTIBLE 7 FIRE RESISTANCE RATING OF ASSEMBLIES & REQUIRED FIRE SEPARATIONS VERTICAL ASSEMBLIES HORIZONTAL ASSEMBLIES (3.2.2.26) FIRE RATING FIRE RATING 45 MIN. (3.4.4.1) EXITS FLOORS 45 MIN FIRE RESISTANCE RATING OF ASSEMBLIES & REQUIRED FIRE SEPARATIONS 45 MIN. (3.5.3.1) VERTICAL ASSEMBLIES ROOF ELEVATORS MEZZ 45 MIN 45 MIN MECHANICAL FIRE RATING OTHER ELECTR. ROOM JANITOR'S ROOM MECH. ROOM (3.4.4.1)1 H (3.5.3.1) 45 MIN. †† 1H NON-RATED 1H (3.2.3.19) (3.6.2.1) (3.3.1.21) (3.6.2.1) FIRE RATING 45 MIN. 45 MIN. (3.6.3.1) FIRE PROTECTION & BUILDING SERVICES <u>required</u> <u>ACTUAL</u> **X**ENTIRE BUILDING X ENTIRE BUILDING SPRINKLER SYSTEM 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) SELECTED COMPART. SELECTED COMPARTMENTS NONE STAND PIPE (3.2.5.8) YES X NO YES X NO FIRE ALARM (3.2.4.1) X YES NO X YES NO ENTIRE BUILDING SELECTED COMPART. 9 BARRIER FREE DESIGN \_\_\_\_ ENTIRE BUILDING X SELECTED AREAS NONE COMPLIANCE TO BE FINALIZED YES X NO 10 PLUMBING FIXTURES % MALE: 80%-100% % FEMALE: 20% MAX (MALE FEMALE % AS PER BIM) X YES NO NOTE: STANDPIPE SYSTEM IS RECOMMENDED BY NGBPG PART M6 - FIREPROTECTION OCCUPANT LOAD FIXTURES REQ. FIXTURES PROV. NBC REF. GROUND FLOOR 3.7.2.2.A 38 10 PLUMBING FIXTURES % MALE: 80%-100% % FEMALE: 20% MAX (MALE FEMALE % AS PER BIM) 55 3.7.2.2.A SECOND FLOOR ├─ OCCUPANT LOAD FIXTURES REQ. FIXTURES PROV. NBC REF. \*\* DOES NOT INCLUDE TEMPORARY; OCCUPANCY IS NOT SIMULTANEOUS IN ALL SPACES

11 ADDITIONAL REQUIREMENTS

SPATIAL SEPARATION AND EXPOSURE PROTECTION 3.2.3

FACILITIES DESCRIPTION							
	GROSS FLOOR AREA (sqm)	LOCATION	REMARKS				
SERVICE CORE							
ARRIVAL/DEPARTURE/OFFICES	382	GROUND FLOOR	WAITING AREA-SEATING FOR 50 PERSONS AREA INCLUDES PART OF EXT. TERRACE				
DINING	300	GROUND FLOOR	SEATING FOR 146 PERSONS				
KITCHEN	464	GROUND FLOOR	AREA INCLUDES LOADING DOCK AREA				
GYM	967	GROUND/MEZZ. FLOOR					
FITNESS ROOMS	266	SECOND FLOOR					
GAMES ROOM & GAMES STORAGE	200	SECOND FLOOR					
MOVIE ROOM	96	SECOND FLOOR					
TV ROOM	28	SECOND FLOOR					
LIBRARY	41	SECOND FLOOR					
INTERNET ROOM	41	SECOND FLOOR					
MAIL ROOM	28	SECOND FLOOR					
MECHANICAL/ELECTRICAL ROOMS /TELECOM ROOM	181	SECOND FLOOR					
SHOP	55	GROUND FLOOR					
LAUNDRY	53	GROUND FLOOR	COMMERCIAL TYPE				
WASHROOMS/HOT TUB/SAUNA	142	SECOND FLOOR					
INUIT KITCHEN	26	GROUND FLOOR					
LOUNGE/JUICE BAR	61	GROUND/SECOND FLOOR					
CIRCULATION & EXIT/SHAFT	837	GROUND/SECOND FLOOR	AREA DOES NOT INCLUDE EXT. STAIRS & RAMPS				
TOTAL SERVICE CORE	4168		SEE GENERAL NOTE 3				
DORM WINGS							
DORM ROOMS	6054	GROUND TO THIRD FLOOR	94 ROOMS PER FLOOR				
LOUNGE	483	GROUND TO THIRD FLOOR	6 LOUNGES PER FLOOR				
LAUNDRY	229	GROUND TO THIRD FLOOR	4 SELF SERVICE LAUNDRY ROOMS PER FLOOR				
MECH. ROOMS	349	GROUND TO THIRD FLOOR	4 MECHANICAL ROOMS PER FLOOR				
ELECT. ROOMS	230	GROUND TO THIRD FLOOR	4 ELECT. ROOMS PER FLOOR				
HOUSEKEEPING & BAG STORAGE	581	GROUND TO THIRD FLOOR	4 HOUSEKEEPING ROOMS PER FLOOR 4 BAG ROOMS PER FLOOR				
WORK SHOP	35	GROUND FLOOR					
CIRCULATION & EXIT/SHAFT	2947	GROUND TO THIRD FLOOR	AREA DOES NOT INCLUDE EXT. STAIRS & RAMPS				
TOTAL DORM WINGS	10908						
WALKWAY							
TOTAL WALKWAY	532	GROUND & SECOND FLOOR					

DORM ROOM COUNT									
DORM WING		GROUND FLOOR		SECOND FLOOR		THIRD FLOOR		TOTAL	TOTAL W/ FUTURE EXPANSION
1	1A	30	47	30	47	30	30 47	141	189
	1B	17		17		1 :			
2	2 A	32	47	32	47	32	47	141	189
	2B	15		15		15			
TO <sup>-</sup>	TAL		94		94		94	282	378
NOTES: SEE GENERAL NOTE 2									



APPLICABLE DRAWINGS				
DWG NUMBER	TITLE			
H337697-4220-40-042-0001	COVER SHEET			
H337697-4220-40-042-0002	OVERALL GROUND FLOOR PLAN			
H337697-4220-40-042-0003	OVERALL SECOND FLOOR PLAN			
H337697-4220-40-042-0004	OVERALL THIRD FLOOR PLAN			
H337697-4220-40-042-0005	OVERALL ROOF PLAN			
H337697-4220-40-042-0006	TYPICAL DORM ROOM PLAN			
H337697-4220-40-042-0007	ELEVATIONS			

APPLICABLE TECH	HNICAL 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:

- 1. BUILDING IS INTENDED TO BE MODULAR, PRE-FABRICATED OFF-SITE, FULLY ERECTED AT SITE ON RAISED PILE FOUNDATIONS.
- 2. TOTAL FINAL DORM ROOM COUNT SHALL BE ±500.

  DORM WINGS 1 & 2 SHALL BE DESIGNED WITH 189 ROOMS EACH. NEW WING 3 SHALL BE OF SIMILAR CONFIGURATION BUT ON 2 FLOORS (OR SIMILAR).
- 3. FINAL SIZE OF SERVICE CORE SHALL ACCOMMODATE 500 PERSONS.

LEGEND:

NGBPG NUNAVUT GOOD BUILDING\_PRACTICES GUIDELINE



**T**Baffinland **HATCH** MARY RIVER PROJECT MARJARA C ZHANG date 2011–07–22 date 2011–07–2 CHECKED BY DISCIP. ENGR. ) LAWSON A MARJARA ACCOMMODATION BUILDING (MR) DATE 2011-07-22 DATE 2011-07-2 BLD-4220.101 ARCHITECTURAL PROJ. DES. COORD. PROJ. ENGR. B ISSUED FOR BASIS OF ESTIMATE J. CASSON COVER SHEET DATE 2011-07-2 A ISSUED FOR INTERNAL REVIEW CZ AM BY CHK'D APP'D DATE AUTH. BY DATE DRAWING NO. DRAWING TITLE DESCRIPTION ISSUE FOR PROJ. MGR. DWG. NO. H. CHARALAMBU H337697-4220-40-042-0001 REFERENCE DRAWINGS **REVISIONS** ISSUE AUTHORIZATION ATE 2011-07-22