



FIRE RATING OF BUILDING ELEMENTS CLASS 2 - TYPE A CONSTRUCTION	
SOLE OCCUPANCY UNITS	
RISE IN STOREYS : 3	
FIRE RESISTANCE LEVELS EXTRACT FROM THE BUILDING CODE OF AUSTRALIA VOLUME ONE CLASS 2 TO 9 BUILDINGS SPECIFICATION C1.1 TABLE 3	
Building element	FRL : (in minutes) Structural adequacy/integrity/insulation
EXTERNAL WALL (including any column and other building element incorporated therein) or other external building element, where the distance from any fire source feature to which it is exposed is : For loadbearing parts : less than 1.5m 90 / 90 / 90 1.5 to less than 3m 90 / 60 / 60 3m or more 90 / 60 / 30 For non loadbearing parts : less than 1.5m - / 90 / 90 1.5 to less than 3m - / 60 / 60 3m or more - / - / -	
EXTERNAL COLUMN not incorporated in an external wall where the distance from any fire source feature to which it is exposed is : less than 3m 90 / - / - 3m or more - / - / -	
COMMON WALLS and FIRE WALLS 90 / 90 / 90	
INTERNAL WALLS Fire-resisting lift and stair shafts : Loadbearing 90 / 90 / 90 Non-loadbearing - / 90 / 90 Bounding public corridors, public hallways and the like : Loadbearing 90 / 90 / 90 Non-loadbearing - / 60 / 60 Between or bounding sole occupancy units : Loadbearing 90 / 90 / 90 Non-loadbearing - / 60 / 60 Ventilating, pipe, garbage and like shafts: not used for the discharge of hot products of combustion : Loadbearing 90 / 90 / 90 Non-loadbearing - / 90 / 90	
OTHER LOABEARING INTERNAL WALLS, INTERNAL BEAMS, TRUSSES and COLUMNS 90 / - / -	
FLOORS 90 / 90 / 90	
CEILING (top floor) Where separating walls extend to : Underside of roof covering. - / - / - Underside of ceiling. To have areistance to the incipient spread of fire to the roof space of not less than 60 minutes.	
ROOFS : Concression - Non-combustible - / - / - Spec. C1.1-3.5(c)	

SOUND INSULATION RATING OF FLOORS	
* FLOORS SEPARATING SOLE OCCUPANCY UNITS OR A SOLE OCCUPANCY UNIT FROM A PLANT ROOM, LIFT SHAFT, STAIRWAY, PUBLIC CORRIDOR, PUBLIC LOBBY OR THE LIKE, OR PARTS OF A DIFFERENT CLASSIFICATION, MUST HAVE AN $R_w + C_i$ (AIRBORNE) NOT LESS THAN 50 AND AN $L_{n,w} + C_i$ (IMPACT) NOT LESS THAN 40.	
SOUND INSULATION RATING OF WALLS	
* A WALL MUST HAVE AN $R_w + C_i$ (AIRBORNE) NOT LESS THAN 50 IF IT SEPARATES SOLE OCCUPANCY UNITS. * A WALL MUST HAVE AN R_w (AIRBORNE) NOT LESS THAN 50 IF IT SEPARATES A SOLE OCCUPANCY UNIT FROM A PLANT ROOM, LIFT SHAFT, STAIRWAY, PUBLIC CORRIDOR, PUBLIC LOBBY OR THE LIKE, OR PARTS OF A DIFFERENT CLASSIFICATION. * A WALL SEPARATING A BATHROOM, SANITARY COMPARTMENT, LAUNDRY OR KITCHEN IN ONE SOLE OCCUPANCY UNIT FROM A HABITABLE ROOM OTHER THAN A KITCHEN IN AN ADJOINING, OR A SOLE OCCUPANCY UNIT FROM A PLANT ROOM OR LIFT SHAFT MUST : (i) HAVE AN $R_w + C_i$ (AIRBORNE) OF NOT LESS THAN 50, AND (ii) BE OF DISCONTINUOUS CONSTRUCTION. * A DOOR MAY BE INCORPORATED IN A WALL THAT SEPARATES A SOLE OCCUPANCY UNIT FROM A STAIRWAY, PUBLIC CORRIDOR, PUBLIC LOBBY OR THE LIKE, PROVIDED THE DOOR ASSEMBLY HAS AN R_w NOT LESS THAN 30. * WHERE A WALL REQUIRED TO HAVE SOUND INSULATION HAS A FLOOR ABOVE THE WALL MUST CONTINUE TO : (i) THE UNDERSIDE OF THE FLOOR ABOVE, OR (ii) A CEILING THAT PROVIDES THE SOUND INSULATION REQUIRED FOR THE WALL. * WHERE A WALL REQUIRED TO HAVE SOUND INSULATION HAS A ROOF ABOVE THE WALL MUST CONTINUE TO : (i) THE UNDERSIDE OF THE ROOF ABOVE, OR (ii) A CEILING THAT PROVIDES THE SOUND INSULATION REQUIRED FOR THE WALL.	
SOUND INSULATION RATING OF SERVICES	
* IF A DUCT, SOIL, WASTE OR WATER SUPPLY PIPE, INCLUDING A DUCT OR PIPE THAT IS LOCATED IN A WALL, OR FLOOR CAVITY, SERVICES OR PASSES THROUGH MORE THAN ONE SOLE OCCUPANCY UNIT, THE DUCT OR PIPE MUST BE SEPARATED FROM THE ROOMS OF ANY SOLE OCCUPANCY UNIT BY CONSTRUCTION WITH AN $R_w + C_i$ (AIRBORNE) NOT LESS THAN : (i) 40 IF THE ADJACENT ROOM IS A HABITABLE ROOM OTHER THAN A KITCHEN, OR (ii) 50 IF THE ADJACENT ROOM IS A KITCHEN OR NON-HABITABLE ROOM. * IF A STORM WATER PIPE PASSES THROUGH A SOLE OCCUPANCY UNIT IT MUST BE SEPARATED BY CONSTRUCTION WITH AN $R_w + C_i$ (AIRBORNE) NOT LESS THAN : (i) 40 IF THE ADJACENT ROOM IS A HABITABLE ROOM OTHER THAN A KITCHEN, OR (ii) 50 IF THE ADJACENT ROOM IS A KITCHEN OR NON-HABITABLE ROOM.	

MECH. VENT. SYSTEM COMPLIANT WITH
AS 1668.2 & AS/NZS 3666.1

NOTE: SEE HYDRAULIC CONSULTANTS' DESIGN FOR
DOWNPIPE AND STORMWATER DISCHARGE

CONTRACTORS MUST VERIFY ALL DIMENSIONS AT THE
JOB BEFORE COMMENCING ANY WORK OR MAKING
ANY SHOP DRAWINGS WHICH MUST BE SUBMITTED
AND APPROVED BEFORE MANUFACTURE.

NOTE: BLOCK WALLS FULLY CORE FILLED
ALL EXTERNAL WALLS 'H' BLOCK

REV.	DESCRIPTION	DATE	ISSUED BY
A	GARBAGE CHUTE AND BULKHEADS REMOVED	27.10.10	BORIS
B	RL AT STAIRS LENDING REVISED	13.01.11	BORIS

FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED READINGS. VERIFY ALL DIMENSIONS ON SITE

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ACN: 510 013 733 QUEENSLAND BUILDING SERVICES AUTHORITY LICENCE NUMBER 060538

SCALE:	1 : 50	CHECKED BY: S.E. HARDY (QBSA LICENCE NUMBER 65539)
DRAWN BY:	BORIS	

PROJECT:	PROPOSED MULTI DEVELOPMENT
ADDRESS:	3 BRIGHTON ST. BIGGERA WATERS
CLIENT:	SKYVIEW BUILDERS
TITLE:	THIRD FLOOR

SHEET No.	REV.
WD 05	B
PROJECT No.	
10102	