



## SECOND FLOOR

1 : 50

MECH. VENT. SYSTEM COMPLIANT WITH  
AS 1668.2 & AS/NZS 3665.1

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

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

| SOUND INSULATION RATING OF FLOORS   |  |
|---|--|
| * FLOORS SEPARATING SOLE OCCUPANCY UNITS OR A SOLE OCCUPANCY<br>UNIT FROM A PLANT ROOM, LIFT SHAFT, STAIRWAY, PUBLIC CORRIDOR,<br>PUBLIC LOBBY OR THE LIKE, OR PARTS OF A DIFFERENT CLASSIFICATION,<br>MUST HAVE AN $R_w + C_i$ (AIRBORNE) NOT LESS THAN 50 AND AN $L_{n,w} + C_i$<br>(IMPACT) NOT LESS THAN 42   |  |
| SOUND INSULATION RATING OF WALLS  |  |
| * A WALL MUST HAVE AN $R_w + C_i$ (AIRBORNE) NOT LESS THAN 50 IF IT<br>SEPARATES SOLE OCCUPANCY UNITS<br>* A WALL MUST HAVE AN $R_w$ (AIRBORNE) NOT LESS THAN 50 IF IT<br>SEPARATES A SOLE OCCUPANCY UNIT FROM A PLANT ROOM, LIFT SHAFT,<br>STAIRWAY, PUBLIC CORRIDOR, PUBLIC LOBBY OR THE LIKE, OR PARTS OF<br>A DIFFERENT CLASSIFICATION<br>* A WALL SEPARATING A BATHROOM, SANITARY COMPARTMENT, LAUNDRY<br>OR KITCHEN IN ONE SOLE OCCUPANCY UNIT FROM A HABITABLE ROOM<br>(OTHER THAN A KITCHEN IN AN ADJOINING, OR A SOLE OCCUPANCY UNIT<br>FROM A PLANT ROOM OR LIFT SHAFT MUST :<br>(i) HAVE AN $R_w + C_i$ (AIRBORNE) OF NOT LESS THAN 50; AND<br>(ii) BE OF DISCONTINUOUS CONSTRUCTION<br>* A DOOR MAY BE INCORPORATED IN A WALL THAT SEPARATES A SOLE<br>OCCUP. UNIT FROM A STAIRWAY, PUBLIC CORRIDOR, PUBLIC LOBBY OR<br>THE LIKE, PROVIDED THE DOOR ASSEMBLY HAS AN $R_w$ NOT LESS THAN 30.<br>WHERE A WALL REQUIRED TO HAVE SOUND INSULATION HAS A FLOOR<br>ABOVE, THE WALL MUST CONTINUE TO :<br>(i) THE UNDERSIDE OF THE FLOOR ABOVE, OR<br>(ii) A CEILING THAT PROVIDES THE SOUND INSULATION REQUIRED FOR<br>THE WALL<br>* WHERE A WALL REQUIRED TO HAVE SOUND INSULATION HAS A ROOF<br>ABOVE, THE WALL MUST CONTINUE TO :<br>(i) THE UNDERSIDE OF THE ROOF ABOVE, OR<br>(ii) A CEILING THAT PROVIDES THE SOUND INSULATION REQUIRED FOR<br>THE WALL |  |
| SOUND INSULATION RATING OF SERVICES   |  |
| * IF A DUCT, SOIL, WASTE OR WATER SUPPLY PIPE, INCLUDING A DUCT OR<br>PIPE THAT IS LOCATED IN A WALL OR FLOOR CAVITY, SERVES OR PASSES<br>THROUGH MORE THAN ONE SOLE OCCUPANCY UNIT, THE DUCT OR PIPE<br>MUST BE SEPARATED FROM THE ROOMS OF ANY SOLE OCCUPANCY UNIT<br>BY CONSTRUCTION WITH AN $R_w + C_i$ (AIRBORNE) NOT LESS THAN :<br>(i) IF THE ADJACENT ROOM IS A HABITABLE ROOM OTHER THAN A<br>KITCHEN OR<br>(ii) IF THE ADJACENT ROOM IS A KITCHEN OR NON-HABITABLE ROOM<br>* IF A STORM WATER PIPE PASSES THROUGH A SOLE OCCUPANCY UNIT IT<br>MUST BE SEPARATED BY CONSTRUCTION WITH AN $R_w + C_i$ (AIRBORNE)<br>NOT LESS THAN :<br>(i) IF THE ADJACENT ROOM IS A HABITABLE ROOM OTHER THAN A<br>KITCHEN OR<br>(ii) IF THE ADJACENT ROOM IS A KITCHEN OR NON-HABITABLE ROOM  |  |

| REV. | DESCRIPTION                                      | DATE      | ISSUED BY |
|------|--|-----------|-----------|
| A    | REVISED ENTRY LIFT AND STAIRS. FENCE NOTES ADDED | 01.06.10. | BORIS     |
| B    | GARBAGE CHUTE AND BULKHEADS REMOVED              | 27.10.10. | BORIS     |

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

**R.H. FRANKLAND & ASSOCIATES** PTY LTD  
BUILDING AND DESIGN CONSULTANTS  
2 PHILIPPINE PARADE, PALM BEACH, QLD, 4221 PHONE: (07) 5598 2435 FAX: (07) 5598 1323  
ACN: 010 010 733 QUEENSLAND BUILDING SERVICES AUTHORITY LICENCE NUMBER: 060338

|           |        |   |
|-----------|--------|---|
| SCALE:    | 1 : 50 | CHECKED BY: S.E. HARDY<br>(QBSA LICENCE NUMBER 65539) |
| DRAWN BY: | BORIS  |   |

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

|             |      |
|-------------|------|
| SHEET No.   | REV. |
| WD 04       | B    |
| PROJECT No. |      |
| 10102       |      |