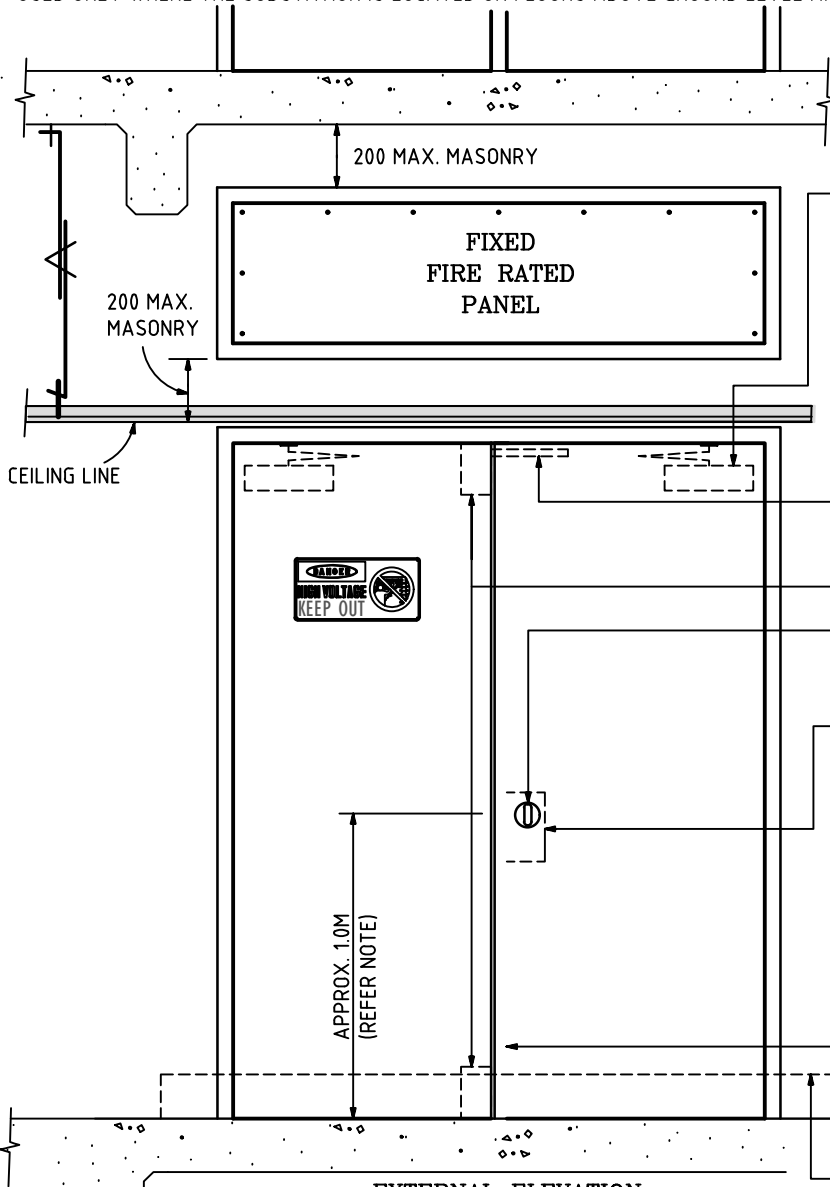


RISER DOOR (DOUBLE) IN FIRE WALLS

USED ONLY WHERE THE SUBSTATION IS LOCATED ON FLOORS ABOVE GROUND LEVEL AND WHERE ACCESS IS REQUIRED



FIRE DOORS & FIXED PANEL:—
ALL ELEMENTS MUST BE IDENTICAL TO ITEMS APPROVED ON FIRE TESTED DOORS. WATERPROOF FACES FOR EXTERNAL DOORS.

DOOR CLOSER:—(INSIDE RISER DUCT)
SURFACE MOUNTED PARALLEL ARM

DOOR SELECTOR UNIT:—
TO CLOSE THE DOOR LEAVES IN THE CORRECT SEQUENCE, FIXED LEAF FIRST

HINGES:—
STEEL, GALV STEEL OR STAINLESS STEEL. NUMBER VARIES WITH DOOR SIZE

FIXED LEAF BOLTS:—
LATCHING BOLTS TO SECURE FIXED LEAF TOP LATCHES OR AUTOMATIC FLUSH BOLTS

KEY CYLINDER:—(WHERE REQUIRED)
EVOENERGY EXCLUSIVE PROFILE

DOOR LOCK & FURNITURE
MORTISE NIGHT LATCH WITH AUTO-DEADLOCK FUNCTION
KEY CYLINDER OUTSIDE, TURN INSIDE BETWEEN 900 & 1200 ABOVE FFL

MEETING STILES:—
ALUMINIUM T'BAR ASTRAGAL

DOOR OPERATION:—
THE DOORS MUST CLOSE IN THE CORRECT SEQUENCE, LATCH INTO THE STRIKE AND LOCK WITH EACH DOOR OPERATION. FREE ESCAPE TURN INSIDE FOR ESCAPE WITHOUT A KEY AT ALL TIMES.

THRESHOLD & BUND:—
INCOMBUSTABLE THRESHOLD OR SILL WITH 100 x 100 min. MASONRY BUND

EXTERNAL ELEVATION
DOOR SIZES VARY WITH SPECIFIC PROJECT CONDITIONS

BCA REQUIREMENTS

FIRE DOOR FRL	(2hr) TO COMPLY WITH AS1905.1	C2.13(a)
FIRE DOOR SIGNS	"FIRE SAFETY DOOR DO NOT OBSTRUCT DO NOT KEEP OPEN"	D2.23(b)
ESCAPE HARDWARE	LEVER HANDLE BETWEEN 900 & 1200 ABOVE FFL	D2.22
DOOR HEIGHT	MINIMUM CLEAR UNOBSTRUCTED HEIGHT 1980mm.	D1.6(a)
DOOR WIDTH	MINIMUM CLEAR UNOBSTRUCTED WIDTH 750mm.	D1.6(f)

AUSTRALIAN STANDARDS

SAFETY SIGNS	"DANGER HIGH-VOLTAGE-KEEP OUT" 350W X 175H	AS1319
FIRE DOOR	TESTED LATCHING HARDWARE ONLY. NO HOLD OPEN BOLTS.	AS1905.1

EVOENERGY REQUIREMENTS

DIRECTION OF SWING	TO SWING IN THE DIRECTION OF ESCAPE (PUSH OUTWARDS)
ELECTRIC DOOR RELEASE	NOT PERMITTED
BUND	100 x 100mm MINIMUM 1200mm MAXIMUM LENGHT MASONRY BUND SILICON SEAL TO SILL & WALL

FRL = FIRE RESISTANCE LEVEL

D	LOGO AND REFERENCES UPDATED	18/03/2018	B. Suthar	W. Ibrahim
C	UPDATED AS PART OF CHAMBER SUBSTATION STANDARDS REVIEW	29/11/2017	C. Desai	W. Ibrahim
B	LOGO UPDATED	31/01/2008	AC	GA
No	Revision	Date	Checked	Approved

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HIGH VOLTAGE RISER DOOR (DOUBLE)
IN FIRE RATED WALLS
FOR INDOOR CHAMBER SUBSTATION

Drawn:	R. Cross	Date:	1/07/1997
Designed:	E. Amaratunga		
Checked:	M. Charlton		
Approved:			

Project No:	Status: Current
Work Pack No:	File:

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