LOUVRE MODEL TABLE

	LOUVRE MODEL	BLADE DEPTH	NOMINAL PITCH
1	ARCADIA SPUR EL 1 WL LOUVRES (100mm MIN, 125mm MAX PITCH)	100mm	112mm
2	CAPRAL E53522 LOUVRES (45mm MIN, 67mm MAX PITCH)	94mm	50mm
3	CS-GROUP RSH-5700 STORM RESISTANT LOUVRE	127mm	50.8mm

LOUVRE MANUFACTURER'S TO ENSURE SPECIFIED LOUVRES MEET MINIMUM LOADS SPECIFIED IN THE DESIGN INFORMATION TABLE

DESIGN INFORMATION TABLE

WIND LOADS TO AS / NZS 1170.2:2011		
WIND REGION	-	C
BUILDING IMPORTANCE LEVEL	-	2
TERRAIN CATEGORY	-	2
MAXIMUM HEIGHT OF LOUVRES ABOVE GROUND	-	5m
MAXIMUM BUILDING ASPECT RATIO	-	1
MAXIMUM POSITIVE (INWARDS) PRESSURE ON LOUVRES	-	3.97 kPa
MAXIMUM NEGATIVE (SUCTION) PRESSURE ON LOUVRES	-	-4.51 kPa

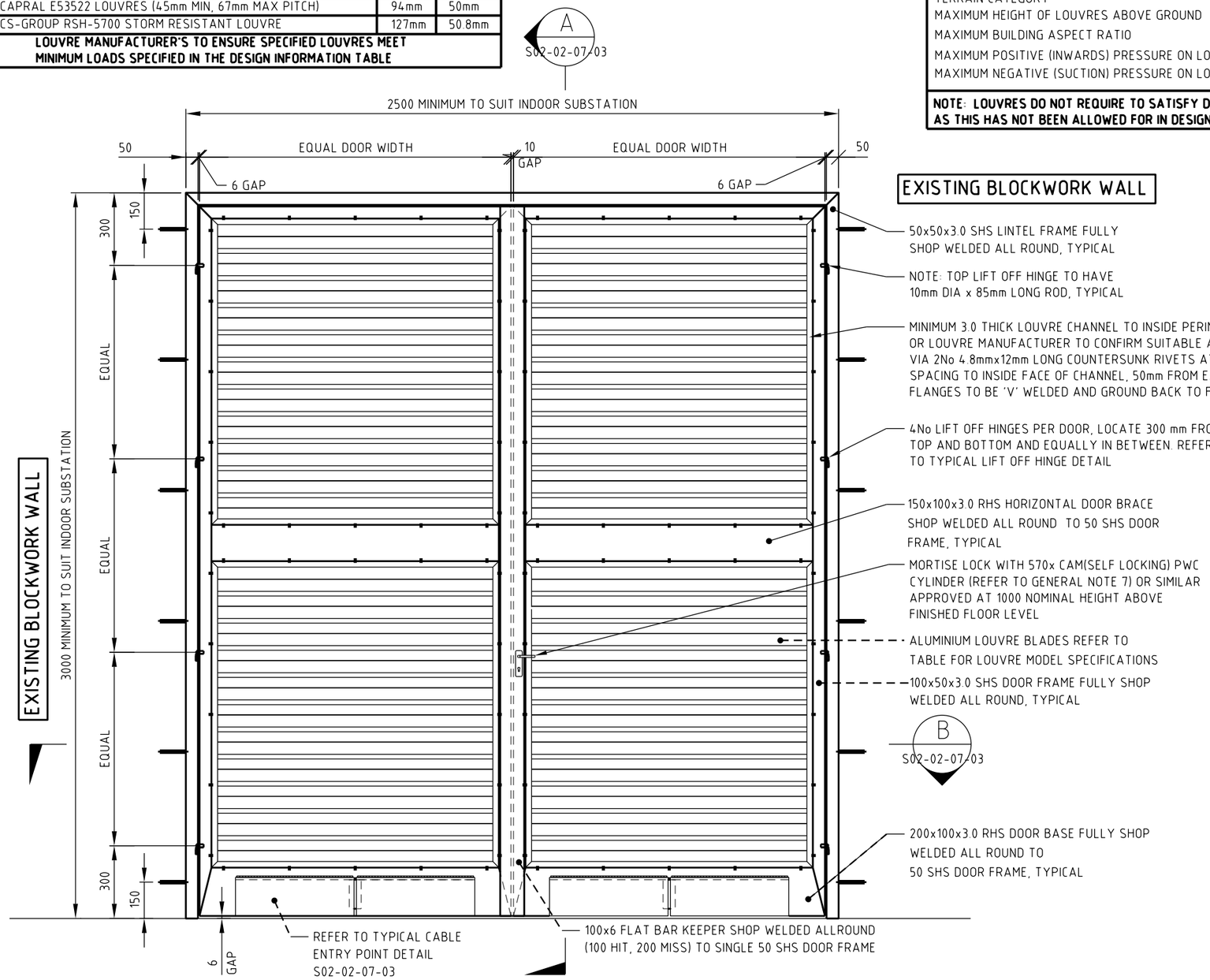
NOTE: LOUVRES DO NOT REQUIRE TO SATISFY DEBRIS IMPACT REQUIREMENTS AS THIS HAS NOT BEEN ALLOWED FOR IN DESIGN OF THE DOOR AND FIXINGS

GENERAL NOTES

1. ALL WORKMANSHIP TO BE IN ACCORDANCE WITH ANY RELEVANT AUSTRALIAN STANDARDS PREPARED BY THE STANDARD ASSOCIATION OF AUSTRALIA.
2. WHERE DTC STANDARDS ARE SHOWN, THESE REFER TO THE "DEEMED TO COMPLY" STANDARDS PREPARED BY THE NT DEPT. INFRASTRUCTURE, PLANNING AND LOGISTICS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRUCTURE DURING ERECTION AND PROVIDE ADEQUATE PROPPING AND SUPPORT.
4. THE SUBSTATION DOOR COLOUR TO SUIT BUILDING COLOUR SCHEME.
5. ALL WELDS TO BE 6mm CONTINUOUS FILLET WELDS U.N.O.
6. MINIMUM VERTICAL CLEARANCE ABOVE TOP OF DOOR FRAME TO BE 100mm ON EXTERIOR OF SUBSTATION TO PERMIT DOOR TO BE REMOVED.
7. THE MORTISE LOCK IS REQUIRED WHEN NO OTHER PERSONNEL ACCESS DOOR IS AVAILABLE FOR ENTRY. IN THIS INSTANCE TOWER BOLTS SHALL BE LOCATED ON THE OUTSIDE OF THE DOOR AND OF A DESIGN WHICH CAN BE SECURED WITH A PADLOCK. THIS SCENARIO IS FOR OLDER ENCLOSURES (BROWNFIELDS UPGRADE) AND NOT FOR NEW APPROVED CONSTRUCTION WHICH PROVIDES A DEDICATED PERSONNEL ACCESS DOOR.
8. STRUCTURAL CERTIFICATION OF THIS DRAWING IS BASED ON THE USE OF ALUMINIUM AS SPECIFIED. HOWEVER, GALVANISED STEELWORK ALTERNATIVE COULD BE CONSIDERED AT THE DISCRETION OF POWER AND WATER CORPORATION.

ALUMINIUM:

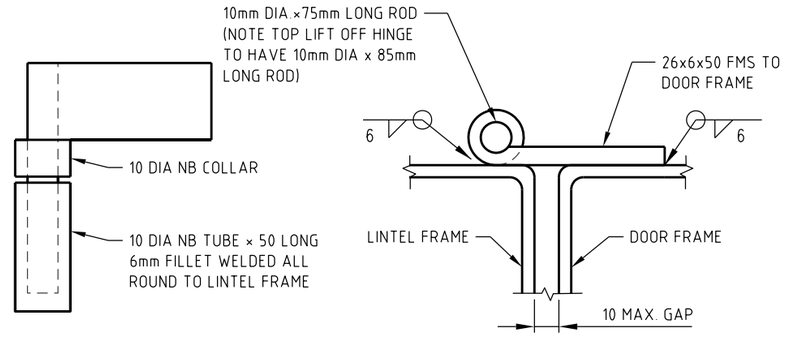
1. ALL WORK TO BE IN ACCORDANCE WITH AS/NZS 1664.1:1997.
2. ALL STRUCTURAL MEMBERS SHALL BE 6063-T6, POWDER COATED ALUMINIUM ALLOY TO AS/NZS 1664.1:1997.
3. ALL PLAIN PLATE SHALL BE 5083 ALLOY TO AS/NZS 1664.1:1997.
4. ALL BOLTS AND TEK SCREWS SHALL BE GRADE 316 A4-80 TO ISO 3506.
5. WELDING BY SUITABLY QUALIFIED PERSONNEL. ALUMINIUM WELD FILLER ALLOY SHALL BE 4043 TO AS/NZS 1664.1:1997.
6. ALTERNATIVE ALLOYS MAY BE CONSIDERED AT THE DISCRETION OF THE SUPERINTENDENT. THIS MUST BE CONFIRMED IN WRITING PRIOR TO BEGINNING FABRICATION.
7. ENSURE ALL DISSIMILAR METALS ARE SUITABLY ISOLATED.



EXISTING BLOCKWORK WALL

TYPICAL EXTERNAL LOUVRE DOOR ELEVATION

1:20



TYPICAL LIFT OFF HINGE DETAIL

N.T.S

NO	DESCRIPTION	DRN	DATE	CKD	APPD
10	LOUVRE MODEL AMENDED	C.C.	JUL'19	B.V.	B.C.
9	REVISED DRAWING	P.H.	OCT'18	B.C.	B.C.
8	MESH DETAIL ADDED	I.B.	SEP'16	A.T	B.C

AMENDMENTS

PowerWater
NORTHERN TERRITORY

DES	R. HAIGH
DRN	TOLS
CKD	N. STUBBS
APPD	N. STUBBS
SCALE	N.T.S.
ISSUED	24/08/84
ALL DIM. IN mm	
DRAFTING STANDARD TO A.S.1100	

POWER STANDARD DRAWING

INDOOR SUBSTATION LOUVRED DOOR ELEVATION, DETAILS AND NOTES

A3

DRAWING NUMBER S02-02-07-02

10 AMDT

CAD PRODUCT - DO NOT AMEND MANUALLY