

# MINERAL RESOURCES TASMANIA

## BANGOR SHAFT COVER

STRUCTURAL STEEL NOTES

S1. DESIGN

1. IN ACCORDANCE WITH AS4100-1998.

S2. LOADS

1. LIVE LOAD = 5kPa

S3. WORKMANSHIP AND MATERIALS

1. CONTRACTOR TO CONFIRM ALL DIMENSIONS ON SITE.  
2. ENSURE THAT WORKMANSHIP AND MATERIALS COMPLY WITH THE FOLLOWING:

WORKMANSHIP AND MATERIALS	AS4100-1998 AND AS1554.1-2000
ROLLED SECTIONS	300 PLUS GRADE 300
HOLLOW SECTIONS	AS1163-1991 GRADE 350
HOT ROLLED PLATE	AS3678-1996 GRADE 250
ROUND, SQUARE AND HEXAGONAL BARS	AS3679.1-1996 GRADE 250

S4. WELDS

1. ALL WELDS SHALL BE CARRIED OUT BY AN EXPERIENCED WELDER AND SHALL COMPLY WITH AS1554.1-2000  
2. ALL WELDS SHALL BE MADE USING E48XX ELECTRODES.  
3. ALL WELDS SHALL BE CATEGORY SP.  
4. ALL FILLET WELDS SHALL BE 6mm CONTINUOUS WELDS UNLESS SHOWN OTHERWISE.  
5. ALL BUTT WELDS SHALL BE FULL PENETRATION.

S5. BOLTS

1. BOLTS ARE GRADE 4.6 TO AS1111-2000 SNUG TIGHTENED, U.N.O.  
2. ALL BOLTS SHALL BE OF SUFFICIENT LENGTH TO PROVIDE A MINIMUM OF ONE FULL THREAD BEYOND THE TIGHTENED NUT. PROVIDE A SPRING WASHER UNDER NUT.

S6. BOLT HOLES

1. ALL BOLT HOLES SHALL BE THE NOMINATED DIAMETER OF THE FASTENER + 2mm IN DIAMETER.  
2. SLOTTED HOLES MAY ONLY BE USED WHERE SPECIFIED.  
3. BURNING OF HOLES WILL NOT BE ALLOWED.

S7. SPLICES

1. DO NOT SPLICE OR CUT HOLES IN STRUCTURAL STEELWORK WITHOUT RECEIPT OF WRITTEN INSTRUCTION FROM THE ENGINEER.

S8. MINOR CONNECTIONS

1. THE DETAILS SHOWN ON THESE DRAWINGS ARE TYPICAL AND ARE PROVIDED TO CONVEY DESIGN INTENT.  
2. MINOR CONNECTIONS ARE NOT DETAILED AND SHOULD BE DEVELOPED BY THE FABRICATOR AND SHOWN ON SHOP DRAWINGS. IN GENERAL SUCH CONNECTIONS SHOULD DEVELOP THE FULL STRENGTH OF THE CONNECTED MEMBERS.  
3. CONNECTIONS NOT DETAILED ARE TO COMPLY WITH AISC STANDARDIZED CONNECTION DETAILS.

GENERAL NOTES

G1. GROUND BEARING PRESSURE

1. ADOPTED GROUND BEARING PRESSURE = 150kPa

G2. GALVANISING

1. ALL STEELWORK TO BE HOT DIP GALVANISED TO AS 4680-1999. TOUCH UP ALL WELDS WITH COLD GAL PAINT

DRAWING LIST

L02043-G1  
L02043-S1

FOR APPROVAL

DRAWING REVISION		<p>SCALE IN MILLIMETRES</p>	INITIALS	DATE	<p><b>PITTS &amp; SHERRY</b></p> <p>CONSULTING ENGINEERS PROJECT MANAGERS ENVIRONMENTAL SCIENTISTS BUILDING SURVEYORS</p> <p>ABN 77 008 886 083</p> <p>LAUNCESTON TAS. PH. (03) 6323 1800 DEVONPORT TAS. PH. (03) 8424 1641 HOBART TAS. PH. (03) 6223 1800 MELBOURNE VIC. PH. (03) 9682 2295 MORNINGTON VIC. PH. (03) 5977 2407 DLI EAST TIMOR PH. INDIVIDUAL MOBILE</p>	<p>ACEA</p>	MINERAL RESOURCES TASMANIA BANGOR SHAFT COVER	GENERAL NOTES																	
DESIGNED	C.L.		24-4-02	DRAWN					BRAYE	24-4-02	CHECKED	BRAYE	24-4-02	REVIEWED	N.B.	24-4-02	APPROVED	<i>[Signature]</i>	DATE	29/04/02	SCALE	N.T.S.	A3	SHEET NO.	1 OF 2
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