## **GENERAL**

- GI. The drawings are to be read in conjunction with the 'site specific' elevator drawings together with all architect's drawings and specifications.
- G2. Dimensions shall not be obtained by scaling from the drawings. All setting out dimensions shall be verified and discrepancies shall be referred to the Engineer prior to commencement of work.
- G3. Care is required during construction so that structural elements are not over stressed and that the works and excavations required therefore are kept stable at all times
- G4. Design, materials and workmanship are to be in accordance with current S.A.A standards and statutory authority regulations except where varied by these documents.
- G5. Design live loads are in accordance with AS 1170.1
- G6. Builder to ensure stability of existing structures in the vicinity of excavation works.
- G7. The dimensions are referred to a perfectly plumb wall.
- G8. All steel work to be plumb in X and Y axis as this will affect the placement of the lift car and doors in the lift shaft. Refer pg 17 in 'XL' book.
- G9. Access to rail bracket mounting nuts at the back of all 'BI' braces is required.

'Site specific' elevator drawings are drawings that include the correct customer \$ site installation details in the drawining header box \$ are issued when the lift S10. Unless noted otherwise all welds shall be category SP using E41xx Electrodes. is placed into production with no changes.

## STEEL

- SI. All Structural steelwork to be Grade 300 or greater. Design, fabrication and erection to be in accordance with AS 4100.
- 52. Materials and workmanship shall comply with AS 1250 1981, SAA Steel Structures Code and the specification for Structural Steel.
- S3. Rolled steel sections including steel plates shall comply with AS 3678 - 1990.
- S4. Cold formed steel sections shall be Grade 450 Zinc coated in accordance with AS 1538-1988.
- S5. Welded and seamless steel hollow sections shall comply with AS 1163. Grade 350.
- S6. Bolt Designation:
  - 4.65 Commercial bolts Grade 4.6, snug tightened.
  - 8.85 High Strength structural bolts Grade 8.8, snua tightened.
  - 8.8TB High Strength structural bolts Grade 8.8, fully tightened to AS 1511 and acting as a Bearing Joint.
  - 8.8TF High Strength structural bolts Grade 8.8, fully tensioned to AS 1511 and acting as a Bearing Joint.
  - Unless noted otherwise, all bolts will be 8.85.
- S7. Unless shown otherwise, minimum connection shall be 2M16 bolts, 10 thick gusset plates, 6mm continuous fillet welds.
- S8. Load indicating washers shall be used in all fully tensioned joints. (8.8TF \$ 8.8TB).
- 59. All welding shall be carried out in accordance with AS 1554 SAA Structural Steel Welding Code.
- All butt welds shall be complete penetration butt welds category SP.
- SII. Grouting of anchor boilt sleeves and base plates shall be completed by the contractor using High Strength, Non-Shrink grout.
- S12. Fabrication and erection tolerances for Structural Steelwork shall be in accordance with AS 4100.
- S13. Purlin bolts shall be M12 4.65 galvanised.
- 514. Steel work shall have one of the following grades of corrosion protection:-INTERNAL
  - a. Thoroughly cleaned wire brushing, followed by two coats of zinc phosphate primer equivalent to Dulux Luxaprime applied by hand using brushes to achieve a total dry film thickness of 70

## EXTERNAL ELEMENTS. & ELEMENTS WITHIN EITHER SKIN OF EXTERNAL CAVITY WALLS

- b. Preparation Blast clean to a minimum standard Class 2.5 in accordance with AS 1627 Part 4.
  - Primer 2-pack epoxy phosphate at dft 75 microns (Dulux Durepon P14).
  - Barrier Coat 2-pack epoxy micaeous iron oxide, dft 100 microns Finish Coat 2-pack epoxy high gloss acrylic to dft 75 microns (e.g. Dulux Acrathane 1 F) in an approved colour.
- c. Hot dipped galvanized to AS 4680. Where the galvanic (Hot Dip Galvanized) coating is compromised by welding, bolting or damage, inorganic zinc-rich paint (minimum 95% zinc content) is to be applied after wire brushing affected area (use 3 coats minimum), or Hot Metal Spray in accordance with AS 4680.
- SI5. Workshop drawings shall be prepared and two copies submitted to the engineer for review prior to fabrication commencement.

•	-	<b> </b> -		
Date:	Rev:	Amendment:		
Date:		Design:	Drawn:	Checked:
FEB 07		Damian Ienco	MC	

DOCUMENT CERTIFICATION

Rick G. Wray ..... (Director Northern Beaches Consulting Engineers)

I am a qualified Structural/Civil Engineer. hold the following qualifications: BE(Civil), CPEna, MIEAust., NPER. Institute of Engineers Membership No. 803938

I hereby state that this drawing is in compliance with the provisions of the Building Code of Australia and/or relevant Australian/Industry



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DOMUSLIFT XL STEEL LIFT FRAME

for: EASY LIVING HOME ELEVATORS

GENERAL NOTES Sheet 1 of 4

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