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3 April 2007
Ref No. 1861

The Manager
Dalby General Steel
PO Box 365
Dalby Qld 4405

Dear Sir,

Re: ADJUSTABLE STEEL POST HEAD ASSEMBLY - LATERAL BRACING CAPACITY

As requested, this firm has undertaken structural calculations and has attended the completion of a series of *Destructive Load Tests* in order to establish the lateral bracing capacity of the post and 'Adjustable Head Assembly' which is documented on Drawing No. 1861 Sheet 2.

The results of our Structural analysis and load testing are sufficient to enable us to certify that, subject to the requirements nominated on Drawing No. 1861 Sheet 2, the post assembly (also nominated on that Drawing) is capable of carrying a lateral load of 5kN.

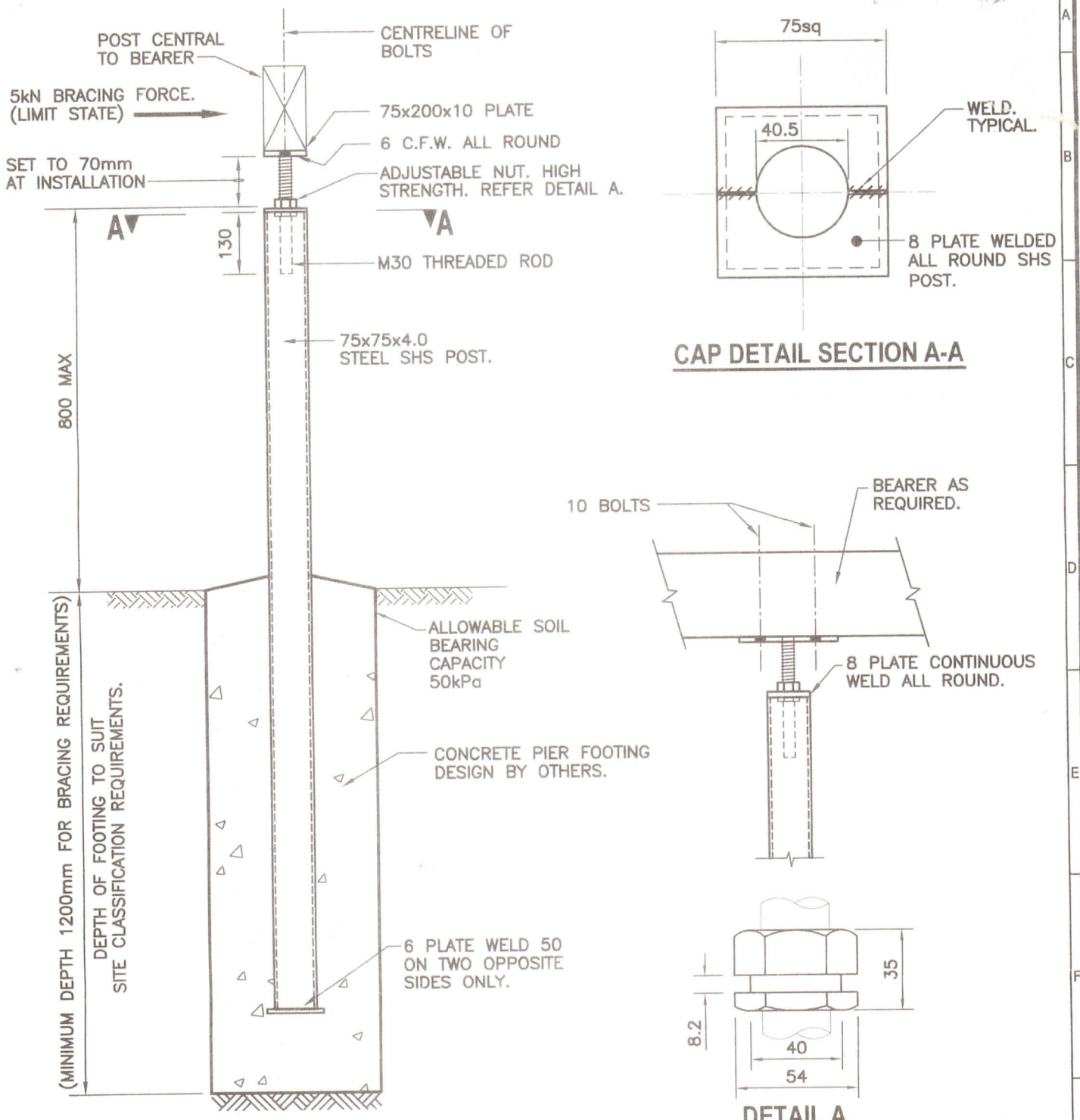
We have also revised Drawing No. 1861 Sheet 1 to reflect the results of the latest testing etc and attach a copy.

Yours faithfully,

LINDSAY B. REID

ATTACHMENTS:

- Drawing No. 1861 Sheet 2A.
- Drawing No. 1861 Sheet 1B.



PLOT SCALE 1:100
PLOT DATE 02/04/07
\WORKING FILES\1800\1861\1861_2.dwg

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THE LAYOUT AND GENERAL BRACING RESISTANCE FOR EACH INDIVIDUAL STRUCTURE SHALL BE ASSESSED BY THE BUILDING DESIGNER AND/OR ENGINEER.

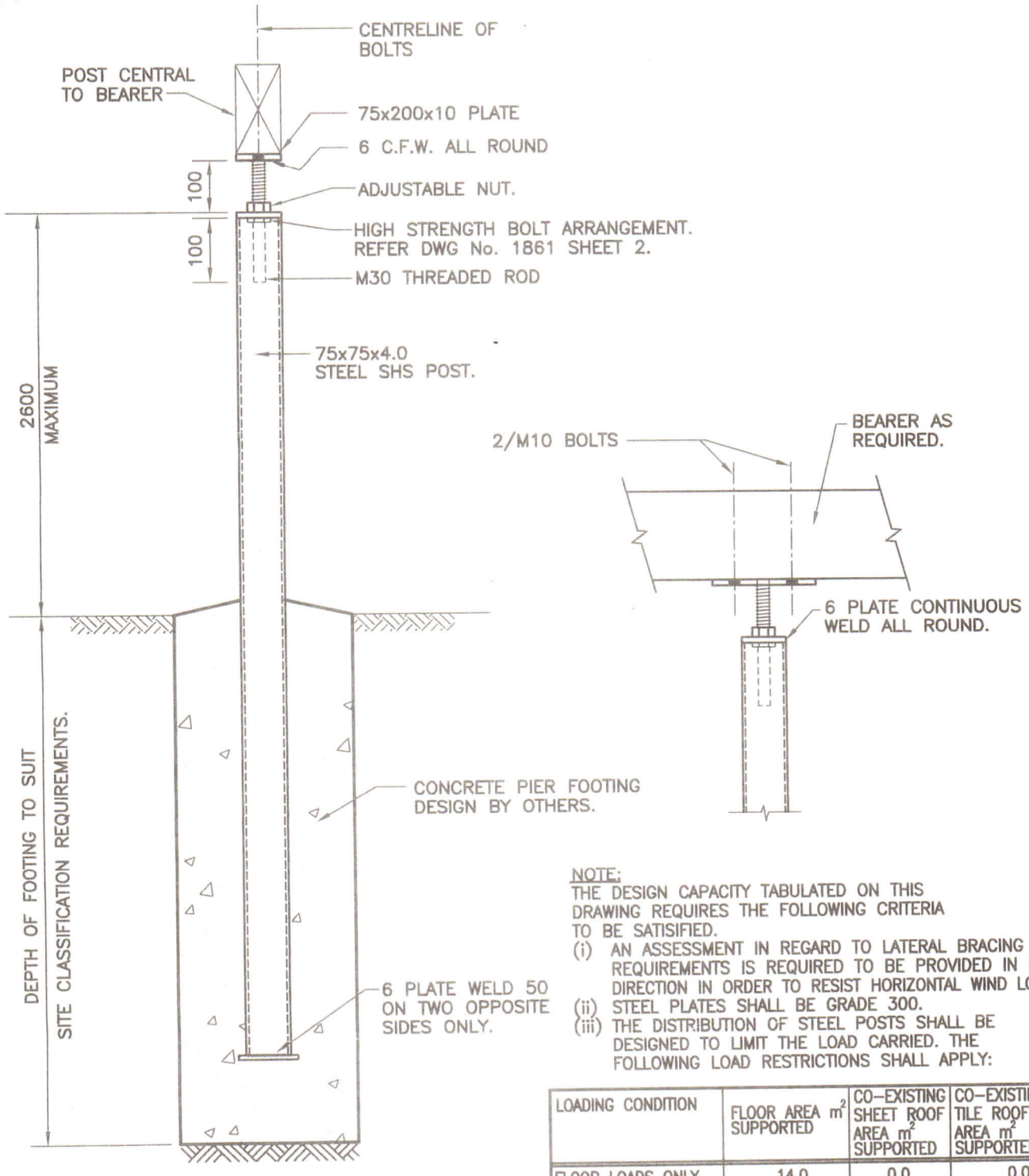
REID CONSULTING ENGINEERS PTY LTD
Consulting Engineers, Project Managers and Designers

CLIENT: DALBY GENERAL STEEL

DESIGNED	DRAWN
LBR/DAW	DAW
DATE 02/04/07	APPROVED RPEQ 2014

TITLE: ADJUSTABLE POST HEAD ASSEMBLY

SCALE	DRAWING No	SHEET	AMDT	
VARIES	1861	2	A	A4



NOTE:
THE DESIGN CAPACITY TABULATED ON THIS DRAWING REQUIRES THE FOLLOWING CRITERIA TO BE SATISIFIED.

(i) AN ASSESSMENT IN REGARD TO LATERAL BRACING REQUIREMENTS IS REQUIRED TO BE PROVIDED IN EACH DIRECTION IN ORDER TO RESIST HORIZONTAL WIND LOADS.
(ii) STEEL PLATES SHALL BE GRADE 300.
(iii) THE DISTRIBUTION OF STEEL POSTS SHALL BE DESIGNED TO LIMIT THE LOAD CARRIED. THE FOLLOWING LOAD RESTRICTIONS SHALL APPLY:

LOADING CONDITION	FLOOR AREA m^2 SUPPORTED	CO-EXISTING SHEET ROOF AREA m^2 SUPPORTED	CO-EXISTING TILE ROOF AREA m^2 SUPPORTED
FLOOR LOADS ONLY	14.0	0.0	0.0
FLOOR AND ROOF	12.0	6.0	3.0
FLOOR AND ROOF	10.0	11.0	6.0
FLOOR AND ROOF	8.0	17.0	9.0
FLOOR AND ROOF	6.0	22.0	12.0
FLOOR AND ROOF	3.0	31.0	16.0
ROOF LOADS ONLY	0.0	39.0	20.0

NOTE:
LOADS ARE BASED ON NON-CYCLONIC CONDITIONS WITH A LIMIT STATE WIND SPEED NOT EXCEEDING 41 m/s.

PLOT SCALE 1:100
PLOT DATE 21/11/02
\WORKING FILES\1800\1861\1861_1_b.dwg

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CLIENT: DALBY GENERAL STEEL
DESIGNED: LBR | DRAWN: TJN
DATE: 21/11/02 | APPROVED: RPEQ 2014

TITLE: ADJUSTABLE POST HEAD ASSEMBLY
SCALE: 1 : 20 | DRAWING No: 1861 | SHEET: 1 | AMDT: B | A4