

- BRACING NOTES
1.

CAST IN COLUMNS IS ACCEPTABLE. THE CAST IN DETAILS TO BE CONFIRMED AND DESIGNED BY THE PROJECT ENGINEER.
2.

BRACING ANGLES IN EXCESS OF 45° MAY REQUIRE ADDITIONAL HORIZONTAL BRACING. THIS IS TO BE DESIGNED BY THE PROJECT ENGINEER.
3.

BRACING MAY BE FIXED TO BEARERS. THIS IS TO BE DESIGNED BY THE PROJECT ENGINEER TO SUIT THE BEARER BEING USED.
4.

THE BRACING ROD AND NOTES COVERED IN THIS DRAWING ARE DESIGNED FOR RESIDENTIAL USE ONLY.
5.

THE 15kN LOAD LIMIT UTILISES 80% OF THE SHEAR CAPACITY OF THE LEADING TEK SCREW FASTENERS. CLASS 4-12g SCREWS (OR EQUIVALENT) WITH AN INDIVIDUAL SHEAR CAPACITY OF 9kN HAVE BEEN CONSIDERED. MINIMUM 3 SCREWS TO BE USED ON EACH SIDE OF THE POST.
6.

THE END BRACKET IS CONSIDERED FOR USE WITH A MINIMUM POST WIDTH OF 75mm AND A MAXIMUM POST WIDTH OF 150mm.
7.

SUITABILITY OF THE FABRICATED ITEMS HAS BEEN DETERMINED BY THE ALLOWABLE STRESSES DEFINED IN AS3990 AS FOLLOWS:
TENSION: 0.67 * YIELD / COMPRESSION: 0.6*YIELD / SHEAR: 0.4 * YIELD

NOTE 1

THE M16 BRACING ROD (WITH TURNBUCKLE) ASSEMBLY TENSION CAPACITY = 15kN. PROJECT ENGINEER TO CONFIRM THE FINAL BRACING CAPACITY DEPENDING ON THE HEIGHT AND SPAN.

NOTE 2

IF THE M16 BRACING ASSEMBLY TO BE USED WITH LEVELMASTER ADJUSTABLE POST HEAD SYSTEMS, THE TOTAL RACKING CAPACITIES COULD BE DOMINATED BY THE LATERAL CAPACITY OF THE POST HEAD COMPONENTS. REFER TO LEVELMASTER HOUSE STUMPS - TOP PLATES FOR FURTHER DETAILS.

NOTE 3

THE MAXIMUM DESIGN LATERAL LOAD ACCORDING TO BRACING TENSION CAPACITY UNDER TYPICAL BRACING ANGLES. (FOR REFERENCE)

MAX. LATERAL LOAD WITH M16 BRACING ROD (ASSEMBLY WITH TURNBUCKLE)

BRACING ANGLE (°)	MAX. LATERAL LOAD (kN)
30	20.5
45	17.0

