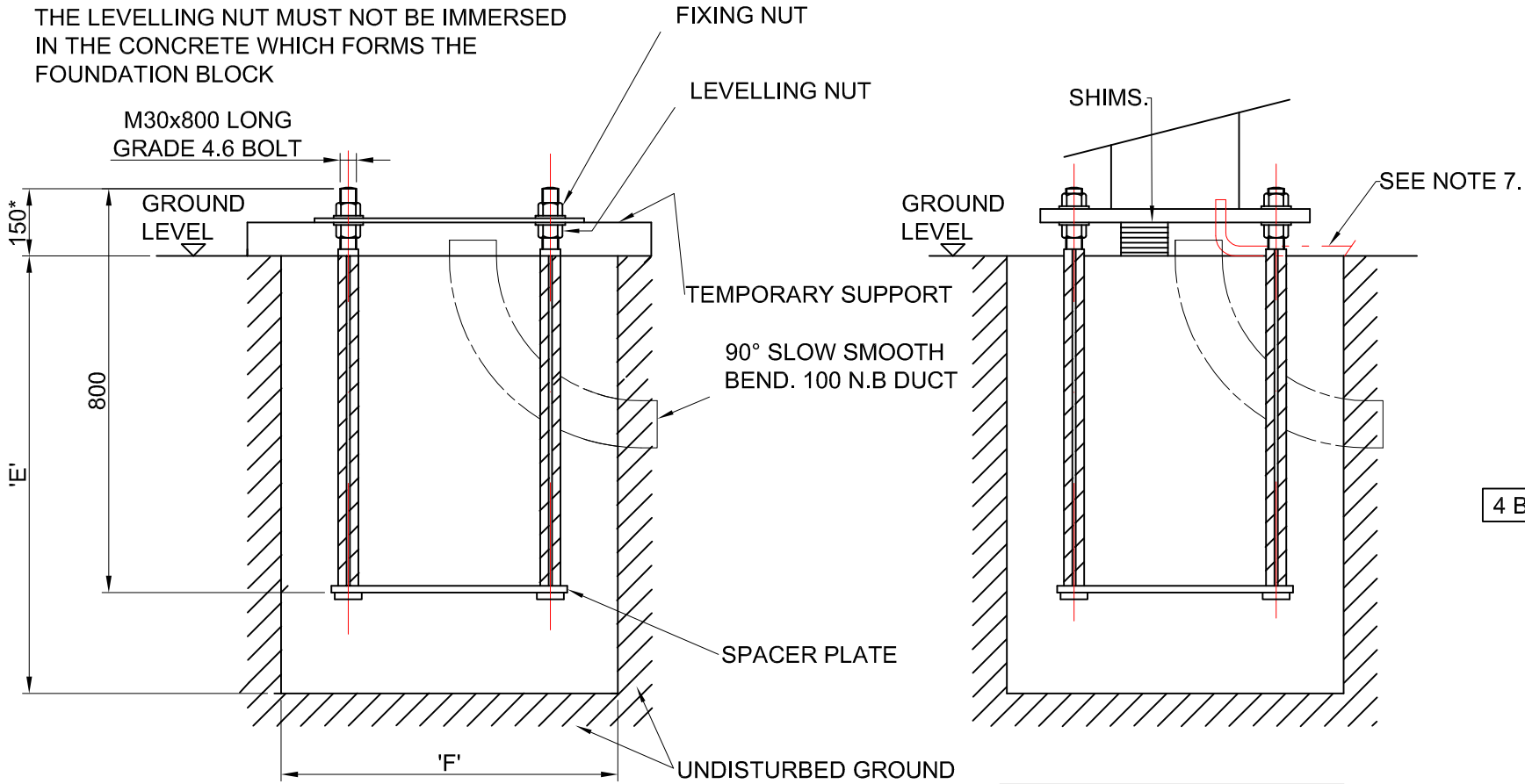


* FOR CORRECT INSTALLATION OF COLUMN THIS DIMENSION MUST BE MAINTAINED AND THE LEVELLING NUT MUST NOT BE IMMERSSED IN THE CONCRETE WHICH FORMS THE FOUNDATION BLOCK



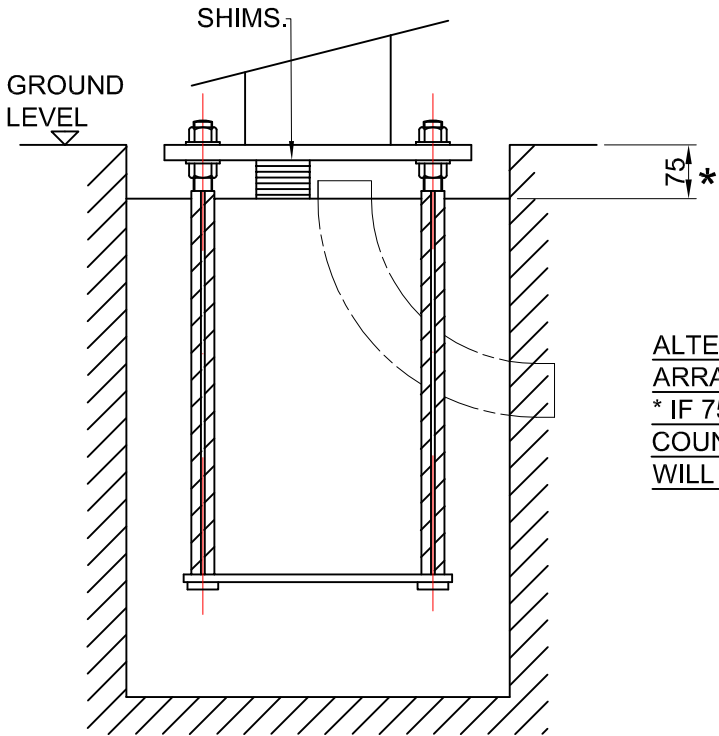
TYPICAL SECTION THROUGH FOUNDATION

TYPICAL FOUNDATION WITH COLUMN IN POSITION.

FINAL TORQUE VALUES FOR HOLDING DOWN BOLT NUT = 310Nm.

PASSIVE CONCRETE FOUNDATION STANDARD SIZES.			
O.T.M (kNm)	BEARING PRESSURE (kN/m sq.)	'F' WIDTH (mm)	'E' DEPTH (mm)
44.24	150	1280	1300

NON-PASSIVE CONCRETE FOUNDATION STANDARD SIZES.			
O.T.M (kNm)	BEARING PRESSURE (kN/m sq.)	'F' WIDTH (mm)	'E' DEPTH (mm)
44.24	75	1920	1110
44.24	100	1810	1055
44.24	150	1780	1040



→ INDICATES DIRECTION OF LOWERING OR: RAISING AND LOWERING MASTS
NOTE:- FOR MASTS BEING LOWERED ADJACENT TO A FENCE OR OTHER OBSTRUCTION, INSTALL THE FOUNDATION ASSEMBLY SO THAT THE FALL IS 10° OFF SET AWAY FROM THE FENCE.

NOTES

- FIRST ANGLE PROJECTION.
- DIMENSIONS SHOWN IN BRACKETS THUS (25) ARE REF. (DIMENSIONS ONLY.)
- DO NOT SCALE IF IN DOUBT ASK.
- ALL STANDARDS AND SPECIFICATIONS ARE TO BE TO THE LATEST REVISIONS.
- STAGE: 1
SET BOLTS IN TEMPLATE AND SPACER PLATE AND PLACE ON SUPPORT TIMBERS WITH CORRECT PROJECTION (SEE *) AND CABLE DUCT FIXED. LARGER OR ADDITIONAL DUCT MAY BE REQUIRED IF LOOPING IN AND OUT.
STAGE: 2
POUR CONCRETE TO GROUND LEVEL AND REMOVE SUPPORT TIMBERS AND TEMPLATE WHEN CONCRETE HAS HARDENED 14 DAYS MINIMUM RECOMMENDED MIX C25.
STAGE: 3
FIX COLUMN TO BOLTS AND ALIGN WITH LEVELLING NUTS, WHEN COLUMN IS ALIGNED, PACK UNDER FLANGEPLATE WITH SHIMS. LOOSEN OFF LEVELLING NUTS AND TIGHTEN THE FIXING NUTS ONTO THE FLANGE TO THE SPECIFIED TORQUE.
- N.B. BASIS OF DESIGN.
PASSIVE RESISTANCE IS CONSIDERED IN THE DESIGN OF THE FOUNDATION WITH A GROUND BEARING PRESSURE OF 150KN/m sq OR ABOVE THE RESISTING MOMENT WILL ONLY BE PROVIDED BY VIRGIN GROUND i.e FOUNDATIONS MUST BE DUG NET SIZE AND CAST AGAINST THE SIDES. ANY TRENCHES OR OTHER EXCAVATIONS RUNNING PAST FOUNDATIONS WITHIN 3m SHOULD BE BACKFILLED WITH LEAN MIX CONCRETE. CONCRETE IN FOUNDATIONS TO HAVE A MINIMUM CUBE STRENGTH OF 25 N/mm sq. AT 28 DAYS, ALTERNATIVE STEEL REINFORCED OR NON PASSIVE BASES AVAILABLE ON REQUEST.
- IF BASE IS GROUTED IN, IT IS RECOMMENDED THAT A VENT PIPE RUNS FROM THE MAST BASE, AND THROUGH THE GROUT TO AVOID A BUILD UP OF MOISTURE IN THE BASE OF THE COLUMN. MINIMUM VENT DIAMETER 38mm.

REV:	SIG:	DESCRIPTION	DATE	CHD.
D	A.B.	SEE AMD No. 3170	6/5/11	L.D
C	L.D.	SEE AMD No. 3061	14/11/08	N.B.
B	A B	SEE AMD No. 3057	20/10/8	LD
A	AB	SEE AMD NO 2982	13/6/07	JKG



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PATENT No.
REG. DESIGN No.

GENERAL TOLERANCES
UNLESS STATED
OTHERWISE:-
0-500mm ±10
501mm-1000mm ±20
ABOVE ±20

DRAWN A.BOOOTH
CHECKED SWRAY
SCALE DO NOT SCALE
DATE 7/2/05

TITLE
STANDARD HL250H RANGE OF
COLUMN FOUNDATIONS.
(MASS CONCRETE
UK INSTALLATION ONLY).

SALES ORDER No.

Abacus
Sutton-In-Ashfield. Notts.

CLIENT STANDARD

DRG. No. C201/22/1/3UK

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