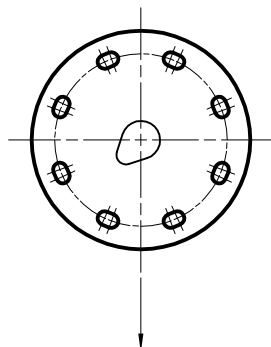
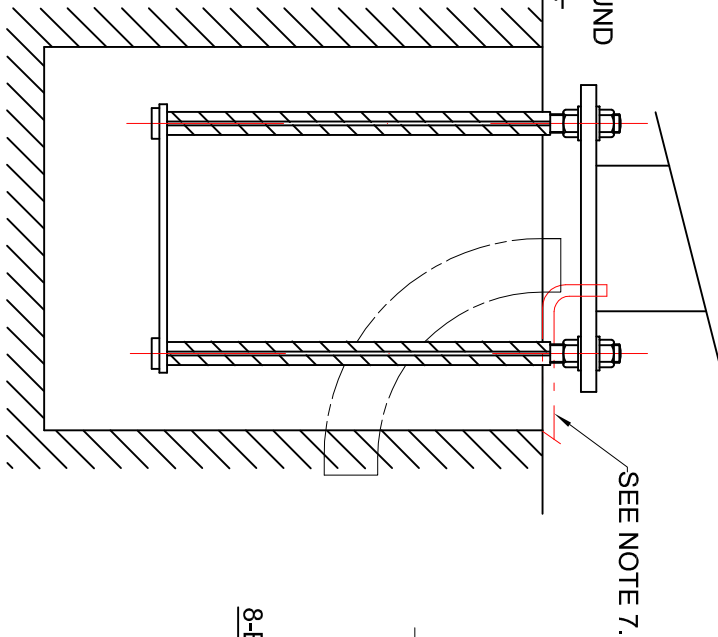
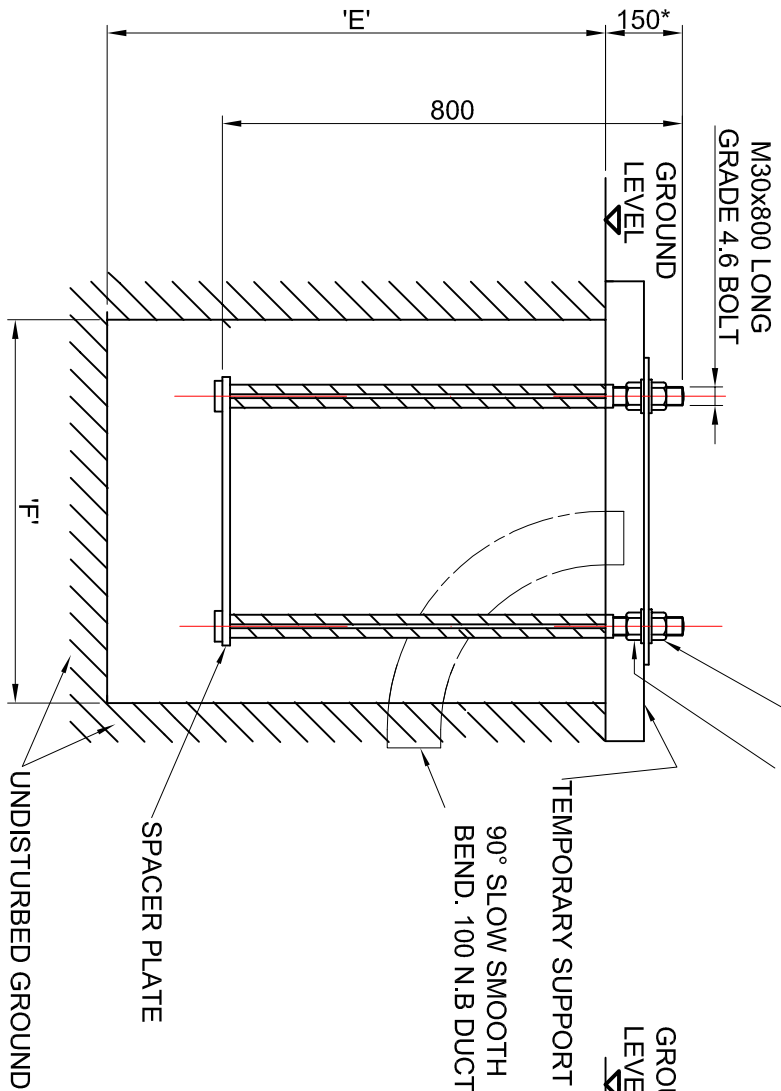


* FOR CORRECT INSTALLATION OF COLUMN THIS DIMENSION MUST BE MAINTAINED AND THE LEVELLING NUT MUST NOT BE IMMersed IN THE CONCRETE WHICH FORMS THE FOUNDATION BLOCK



8-BOLT CONFIGURATION

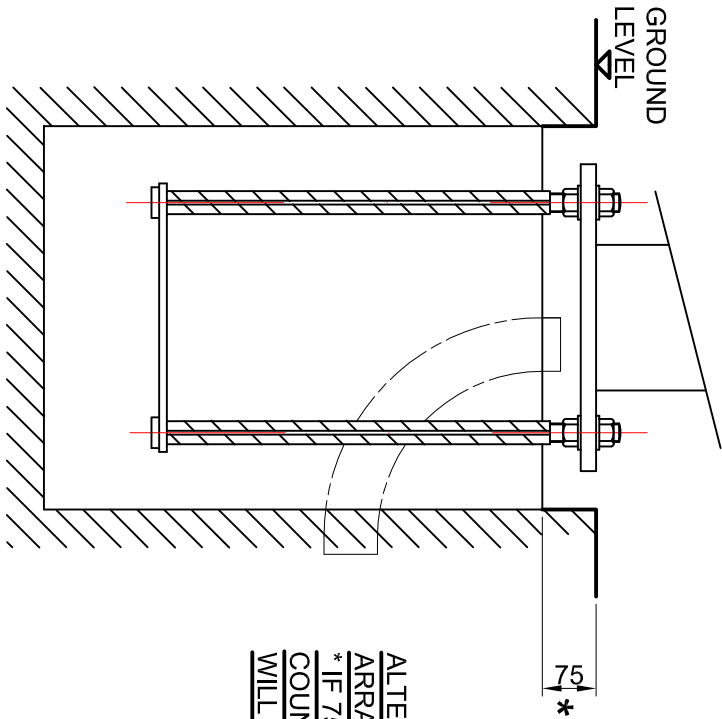
TYPICAL FOUNDATION WITH COLUMN IN POSITION.

TYPICAL SECTION THROUGH FOUNDATION

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)
66	150	1400	1400

NON-PASSIVE CONCRETE FOUNDATION STANDARD SIZES			
O.T.M (kNm)	BEARING PRESSURE (kN/m sq.)	'F' WIDTH (mm)	'E' DEPTH (mm)
66	75	2200	1100
66	100	2050	1025
66	150	2050	1025



ALTERNATIVE ARRANGEMENT
* IF 75mm IS EXCEEDED
COUNTERBALANCE
WILL NOT FIT.

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, 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.

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ISO 9001 - ISO 14001

CH555 18001

PATENT No.

REG. DESIGN No.

GENERAL TOLERANCES UNLESS STATED OTHERWISE:-

0-500mm ±10

501mm-1000mm ±20

ABOVE ±20

DRAWN

L. Dye

CHECKED

SCALE

DO NOT SCALE

DATE

24/4/18

TITLE

STANDARD HL250E RANGE OF COLUMN FOUNDATIONS. (MASS CONCRETE NONE-UK INSTALLATION ONLY).

SALES ORDER No.

REV.

SIG.

DESCRIPTION

DATE

CHD.

CLIENT

STANDARD

Abacus

Leaders in Lighting

DRG. No.

C201/22/1/5EXP