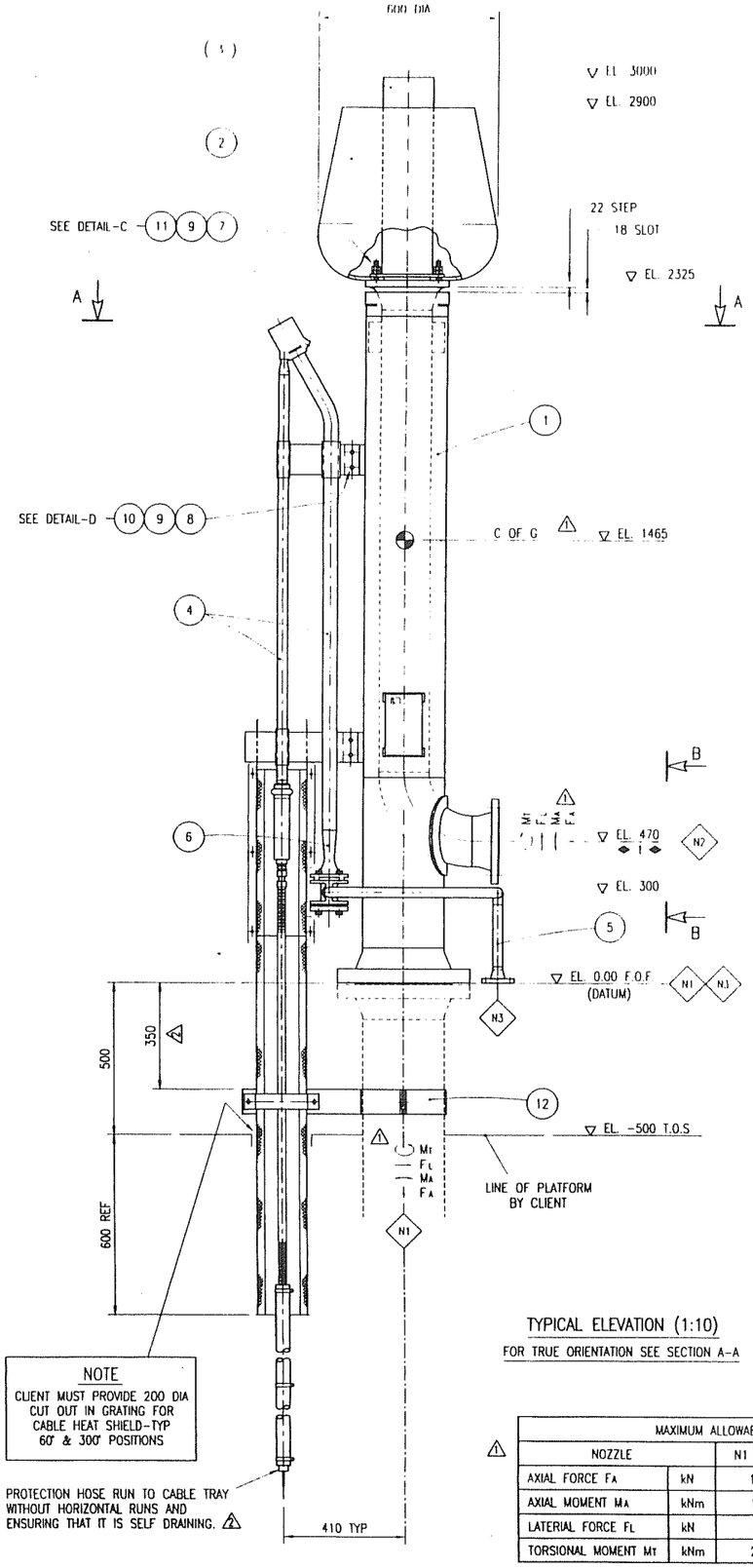
DRG. No. BJ322



TYPICAL ELEVATION (1:10)

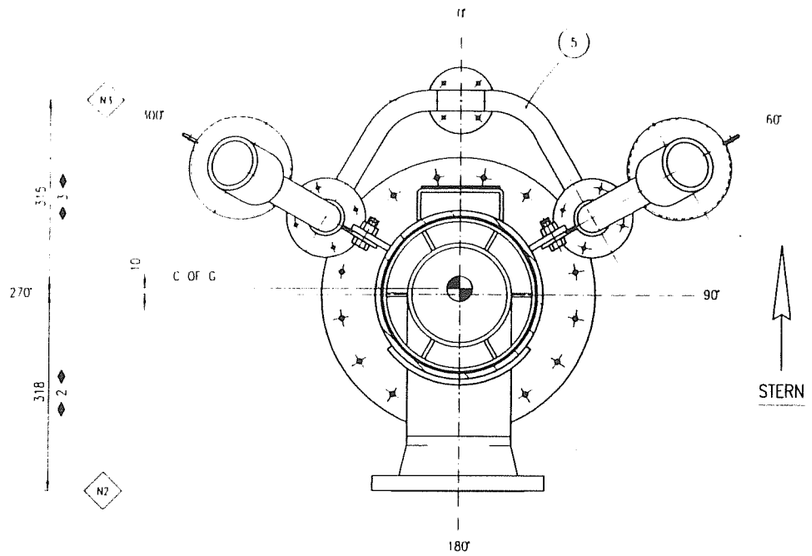
FOR TRUE ORIENTATION SEE SECTION A-A

NOTE

CLIENT MUST PROVIDE 200 DIA CUT OUT IN GRATING FOR CABLE HEAT SHIELD-TYP 60° & 300° POSITIONS

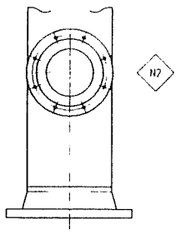
PROTECTION HOSE RUN TO CABLE TRAY WITHOUT HORIZONTAL RUNS AND ENSURING THAT IT IS SELF DRAINING. ⚠2

MAXIMUM ALLOWABLE NOZZLE LOADS					
NOZZLE		N1 SURVIVAL CONDITION	N2 OPERATING CONDITION	N3 OPERATING CONDITION	
AXIAL FORCE FA	kN	13.0	3.7	0.4	
AXIAL MOMENT MA	kNm	12.1	4.0	0.2	
LATERIAL FORCE FL	kN	8.0	4.6	0.5	
TORSIONAL MOMENT Mt	kNm	25.0	5.8	0.2	



SECTION A-A (1:5)

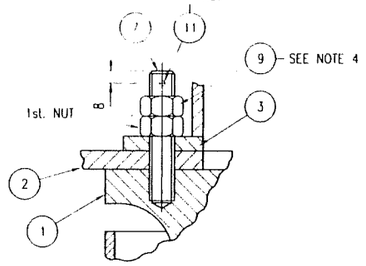
INLET TERMINATION DETAILS



PART VIEW B-B (1:10)

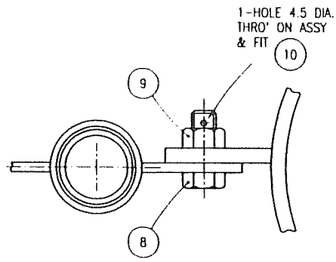
LP INLET FLANGE ORIENTATION

DRILL STUD Ø3.5 THROUGH FOR LOCKING WIRE AND LOCK IN PAIRS.



DETAIL-C (1:2)

TULIP ASSY CLAMPING DETAIL



DETAIL-D (1:2)

PILOT BOLTING DETAIL

NOTE:

INLET FLANGE TERMINATION TABLE		
NOZZLE No	LINE SIZE AND RATING	LINE DUTY
N1	10" N.B CL 300 RF WN FLANGE ANSI B16.5	HP GAS INLET
N2	6" N.B CL 150 RF WN FLANGE ANSI B16.5	LP GAS INLET
N3	1" N.B CL 150 RF WN FLANGE ANSI B16.5	PILOT GAS INLET

1. DIMENSIONS MARKED THUS ◆ No ◆ ARE INTERFACE DIMENSIONS AND MUST BE CHECKED & RECORDED.
2. PRIOR TO ASSEMBLY ALL THREADS TO BE COATED WITH HIGH TEMPERATURE GREASE (800°C) P.B.C. (POLYBUTYL CUPRYSIL).
3. ALL TERMINATION FLANGES TO BE PROTECTED WITH BOLTED TIMBER DISCS DURING TRANSPORTATION
4. TORQUE SETTINGS - TULIP CLAMPING (ITEM 9) 1st. NUT 42 NM; LOCKING NUT 32 NM
5. DESIGN PRESSURE. 6.0 BARg
   DESIGN TEMPERATURE. 200°C-600°C DEPENDING ON PART LOCATION.
6. OPERATING PRESSURE. 4.5 BARGg
   OPERATING TEMPERATURE. 65°C
7. CALCULATED WEIGHT : 450 Kg

NOT SHOWN ⚠2 ⚠3

ITEM	QTY	MATERIAL DESCRIPTION	DRG No	SPEC
13	1	I 24 LIFTING ASSEMBLY	BJ3227-120	
12	1	PILOT CABLE INSULATION SLEEVE CLAMP	BJ3227-121	316L ST. STL
11	A/R	LOCKING WIRE 3 DIA		316 ST.STEEL
10	8	SPLIT PIN 4 DIA x 40 LONG		316 ST.STEEL
9	24	HEX NUT - FULL M16 x 2p		AISI-316
8	8	HEX HD SCREW M16 x 2p x 40 LONG		AISI-316
7	8	STUDDING M16-2P x 85 LG.		AISI-316
6	2	1½" N.B. INSPIRATOR ASSEMBLY JET SIZE = 1.6mm DIA	C43/01/170	BS3146 ANC'A'
5	1	I-24 PILOT MANIFOLD	BJ3227-118	316L ST. STL
4	2	I-24 KEP 100 PILOT ASSEMBLY	BJ3227-117	310 ST. STL
3	1	I-24 LP DUCT	BJ3227-116	316L/NA15H
2	1	I-24 TULIP ASSEMBLY	BJ3227-112	316L/NA15H
1	1	I-24 BODY DETAIL	BJ3227-111	316L ST. STL

DRG. No. 9532-KLD-02-M-DR-2003- REV:R2

REV	DATE	DESCRIPTION	DRN	CKD	ENG	PROJ ENG
2	14.5.96.	ITEM 12 & 13 ADDED AND PILOT INSULATION REVISED.	GJM	CB	JFF	DJE
1	25.3.96.	NOZZLE N1 WAS CL150 NOW CL300 / NOZZLE LOADS AND C OF G ADDED / ISSUED FOR MANUFACTURE	CB	JFF	WAW	DJE
0	14.2.96	ISSUED FOR CLIENT REVIEW/QUOTATION	GJM	DCE	WAW	DJE

Contract No.	Document Originator	Area Identifier	Discipline Identifier	Doc.Type Code	Discipline Doc No	Sheet No.	Rev Code
9532		02	M	DR	2003	1	3

DRAWING STATUS	SIGNED	DATE
A - ACCEPTED - FINAL	DP	18/7/96
B - ACCEPTED WITH MINOR COMMENTS - SUBMIT FINAL		
C - ACCEPTED WITH COMMENTS RE-SUBMIT FOR FINAL ACCEPTANCE		
D - REJECTED - REVISE & RE-SUBMIT FOR ACCEPTANCE		
E - FOR INFORMATION ONLY		

CLIENT

CLIENT ORDER No P0017

PROJECT FIELD DEVELOPMENT

KALDAIR JOB No J322

ISSUE STAMP

TITLE I 24-HL-FS FLARE GA.

SCALE 1:10, 1:5 & 1:2

DRG. No. BJ322

0 10 20 30 40 50 60 70 80 90 100 MILLIMETRES

UNLESS OTHERWISE STATED FLANGE BOLT HOLES TO BE EQUI-SPACED ABOUT MAIN CENTRE LINES.

THIRD ANGLE PROJECTION

IF IN DOUBT ASK DO NOT SCALE

WELD SYMBOLS TO BS 499 PART 2 LATEST EDITION FILLET WELD DIMENSIONS DENOTE LEG LENGTH.

TOLERANCES UNLESS OTHERWISE STATED

ANGULAR: ORIENTATION ± 1.0 DEG; SQUARENESS ± 0.5 DEG

LINEAR: 0 TO 1000mm ± 1.5mm; OVER 1000mm ± 3.0mm

A B C D E F G H