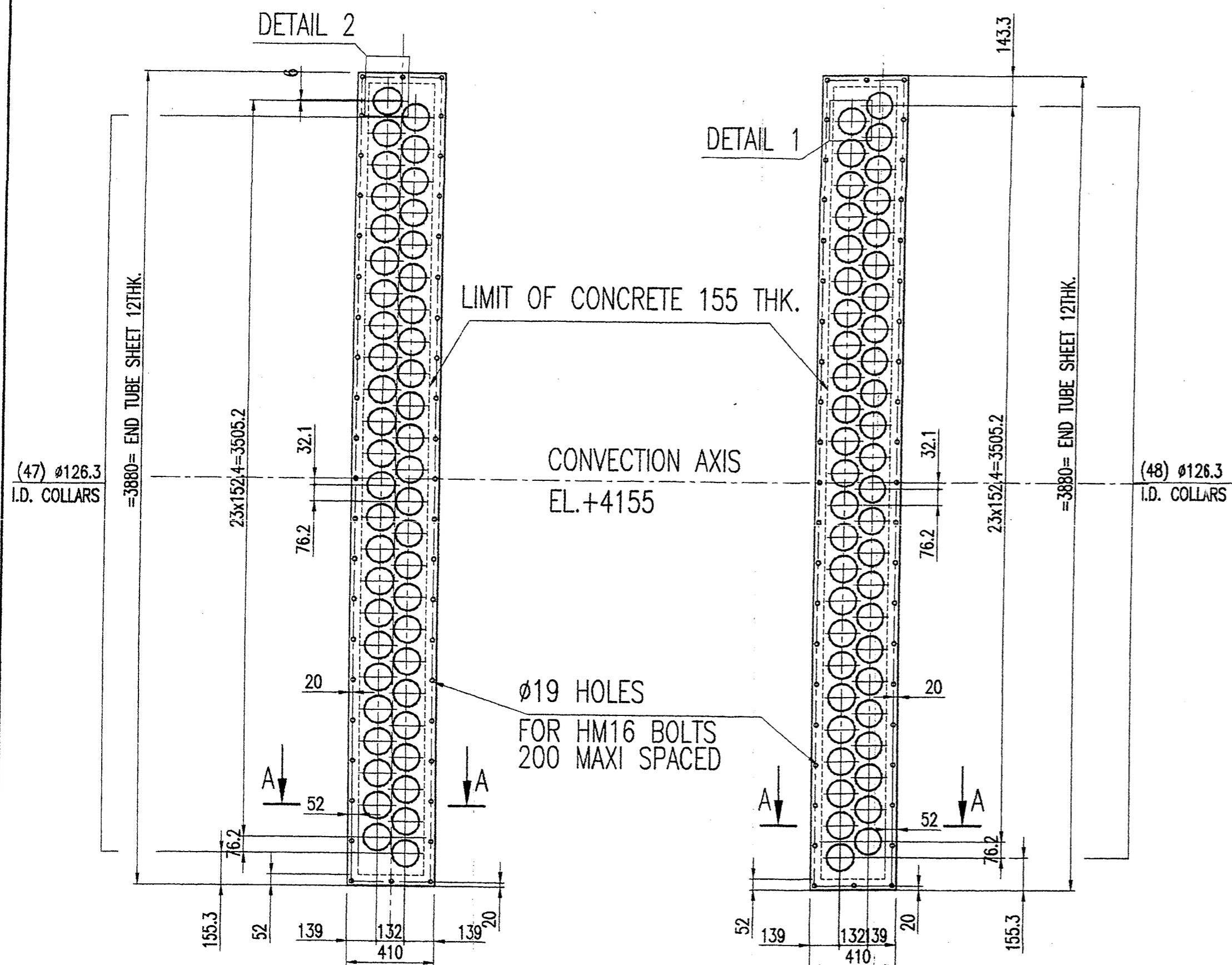
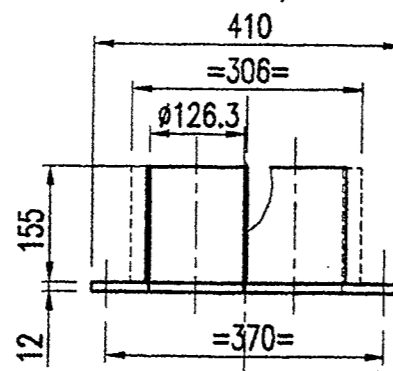


ELEVATION
END TUBE SHEET - VIEW FROM 180°

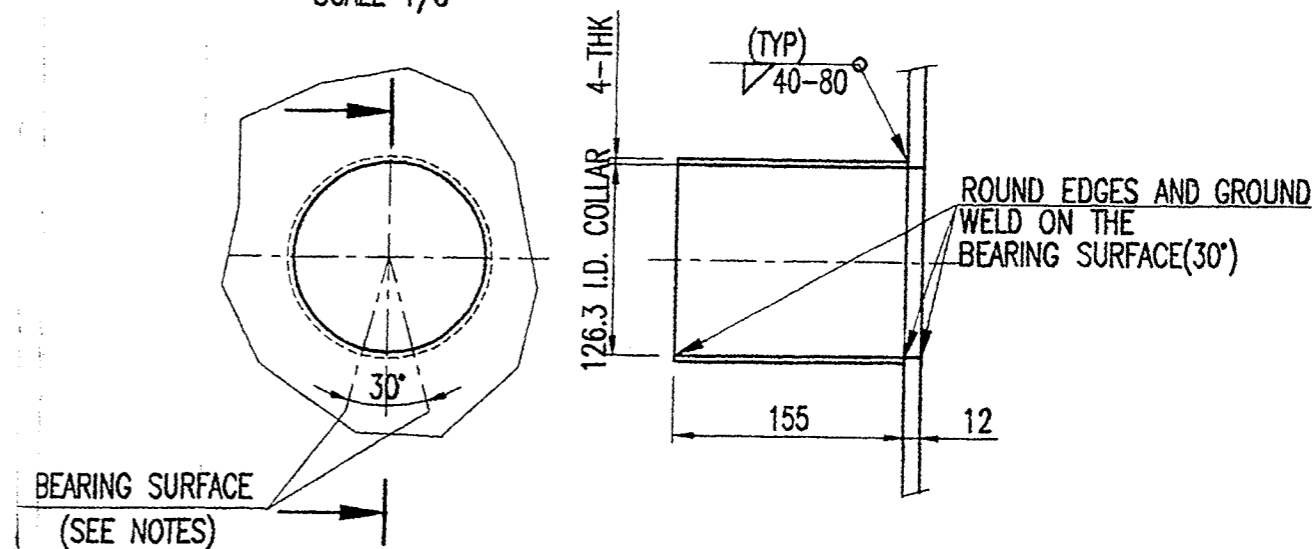
ELEVATION
END TUBE SHEET - VIEW FROM 0°



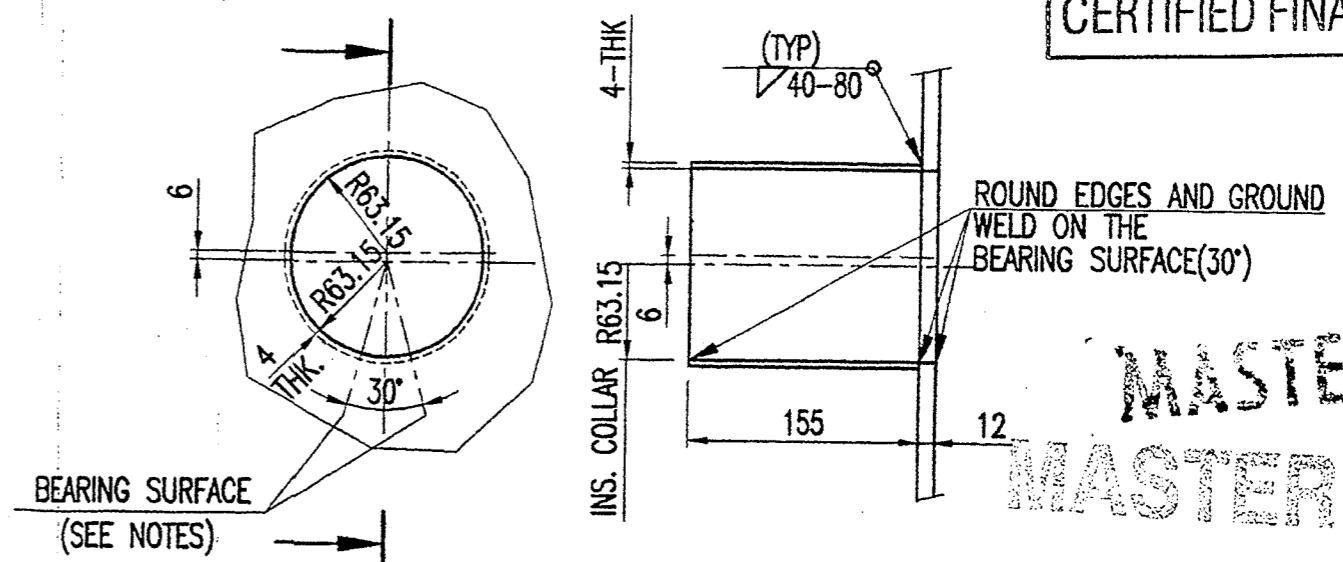
SECTION A-A
SCALE 1/10



DETAIL 1 (TYPx95)
SCALE 1/5



DETAIL 2 (TYPx1)
SCALE 1/5



CERTIFIED FINAL

MASTER
MASTER

APPROVED FOR CONSTRUCTION

GENERAL NOTES

- MATERIAL: C.S.
- FOR CONVECTION STEEL STRUCTURE SEE DWG 1001-FD-329
 - WELD SYMBOLS SEE DG.0030-2
 - BUTT WELDS FULL PENETRATION
 - ANGLE WELDS α = $\frac{\text{MINI THK.}}{2} + 1$
 - α = 4mm(MINI) UNLESS OTHERWISE NOTED
 - ALL INDICATED THICKNESS ARE MINIMUM.
 - ROUGH GRIND ALL HOLES AND BEARING SURFACES AND BEVEL ALL SHARP EDGES.
 - MATERIAL FOR COLLARS: 18/8 TP304-4THK.

Snamprogetti Ltd		
APPROVAL STATUS	DATE	SIGNED
A. Proceed & Submit Certified Final Transparency		
B. Proceed Change as Noted and Re-Submit		
C. Do not Proceed Change as noted & Re-submit		
D. For Information Only No Review Required		
SCF. Supplier Certified Final	27/11/03	<i>[Signature]</i>
PROJECT/PO NUMBER 10772	ITEM/EQUIP No 02-X-1004	
DOCUMENT NUMBER 10-PY-C-74754	REV 2	
AUTHORISATION TO PROCEED DOES NOT RELIEVE SUPPLIER OF RESPONSIBILITY OR LIABILITY UNDER THE CONTRACT/PURCHASE ORDER		

NATIONAL PETROCHEMICAL COMPANY FANAVARAN PETROCHEMICAL COMPANY		CO PRODUCTION PLANT - BANDAR IMAM - IRAN		
Owner Job No.	060076001	REV	DATE	SIGNATURE
Owner Doc./Dwg. No.	10-2-FN-754	1	3/10/02	<i>[Signature]</i>
Contractor Job No.	J33040	2	27/11/03	<i>[Signature]</i>
Contractor Doc./Dwg. No.	10-PY-C-74754			
CONSULTANTS	Sh. 1 of 1			

REV.	DATE	DESIGNATION	PAR/BY	VERF./CHKD	APPR./APPRD	ECHELLE/SCALE	NON/NAME	Z.D.	NO.	REV.
5										
4										
3										
2	05.09.02	MODIF. STICK	K.D.	G.M.	J.C.N.					
1	28.08.02	MODIF. STICK	I.O.	G.M.	J.C.N.					
0	04.07.02	ISSUE	Z.D.	G.M.	J.C.N.					
						1/20			A2	2

Kvaerner Heurtey

FICHER/FILE : 1001-FD-328-R*

SNAMPROGETTI BANDAR IMAM IRAN

TUBULAR REFORMER 02-H-1001
END TUBE SHEETS FOR E-1004-1

A2 ERO2009 1001-FD-328 2 REV.