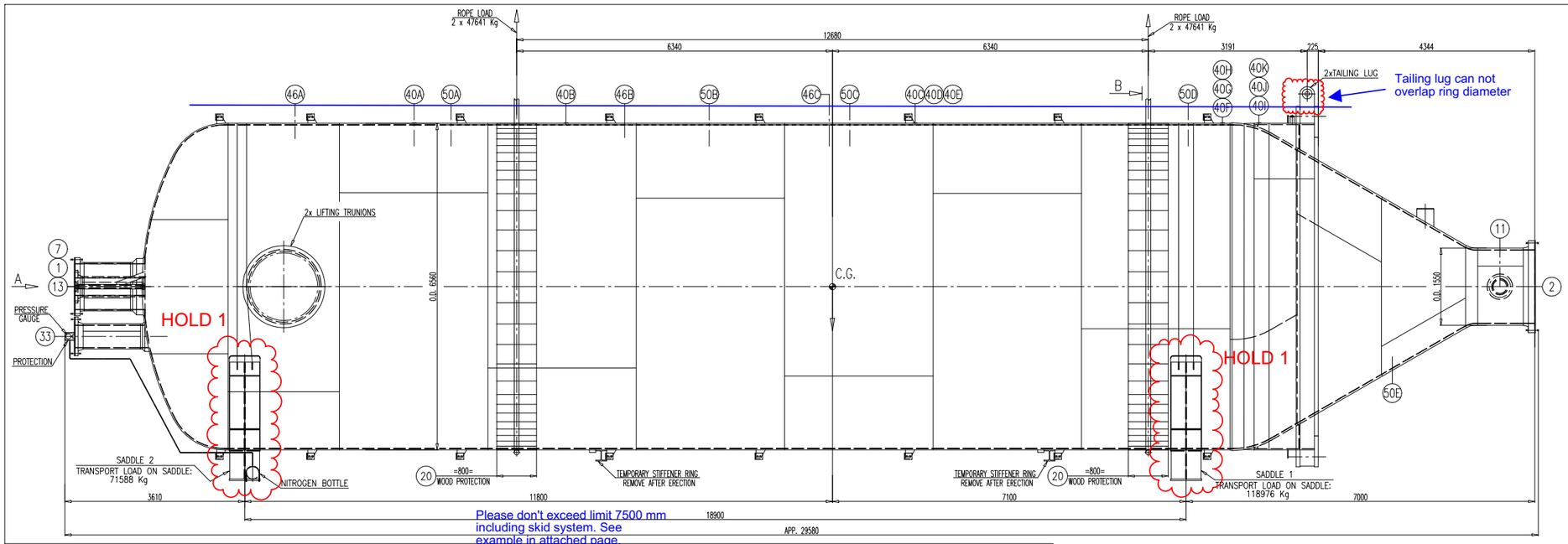
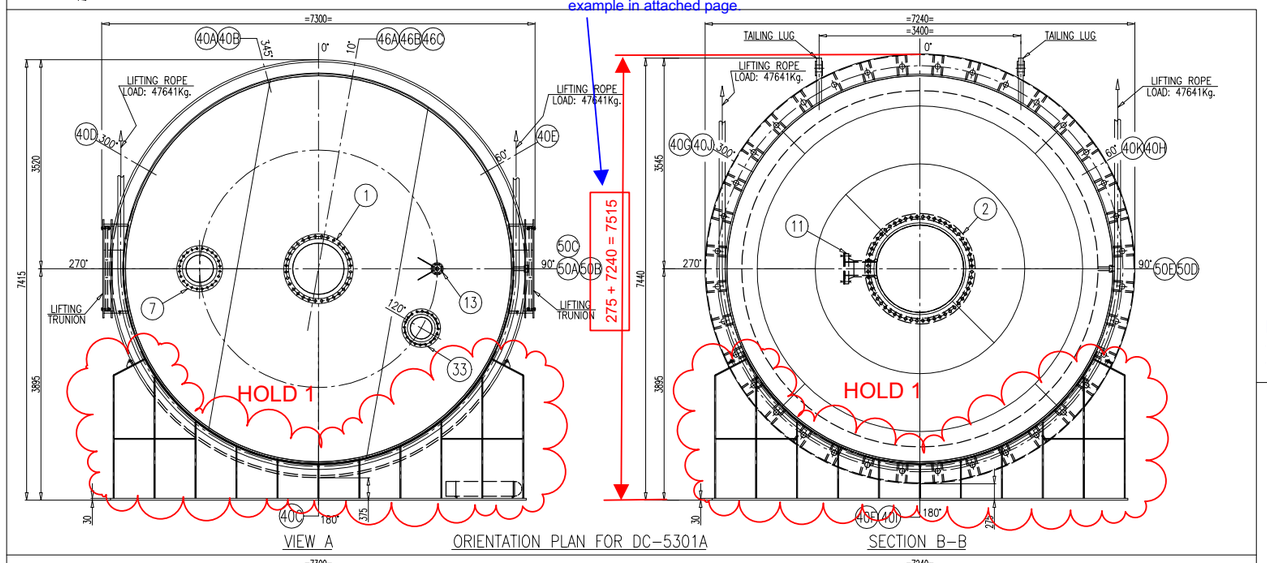
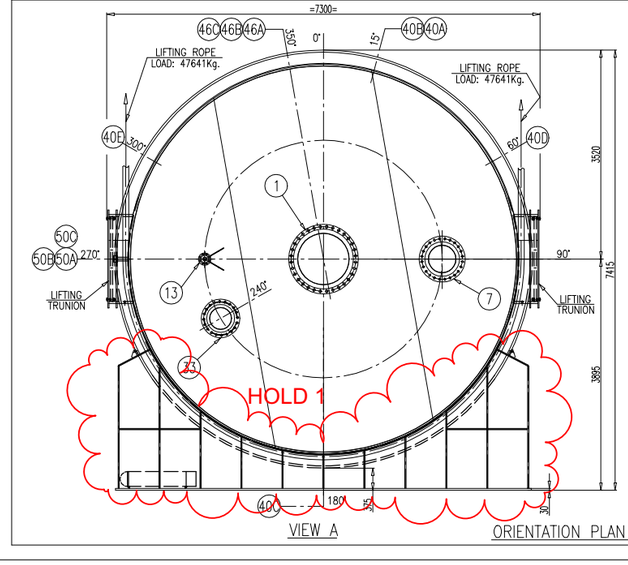
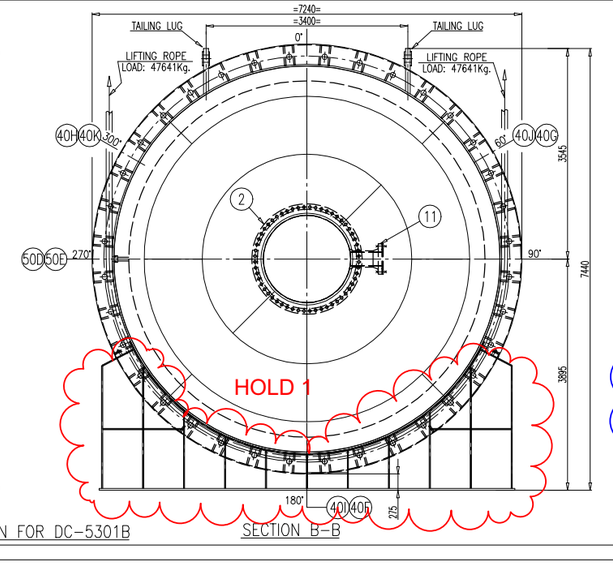








NOTES

1. FOR OTHER REMARCKS SEE GENERAL ASSAMBLY 1/2 (DWG-16120.01-01) AND 2/2 (DWG-16120.01-02).
2. UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN MILLIMETERS.
3. THREADS OF PRESSURE STUDBOLTS AND NUTS SHALL BE COATED BEFORE INSTALLATION WITH SUITABLE LUBRICANT TO PREVENT GALLING.
4. EQUIPMENT SHALL BE CLEARLY MARKED WITH:
   - BUYER'S PURCHASE ORDER NUMBER
   - EQUIPMENT TAG NUMBERS
   - SHIPPING WEIHGHT
   - CENTER OF GRAVITY
   - LIFTING POINTS
   - "NORTH" OR "0" SHALL BE MARKED ON LOW PORTION OF SKIRT OR ON THE BASE RING TO FACILITATE FIELD INSTALLATION.
5. BEFORE SHIPPING THE UNIT MUST BE CLEANED, INTERNALLY DRIED AND HERMETICALLY SEALED. ALL FLANGES SHALL BE COVERED WITH A 3mm THICK NEOPRENE OR RED RUBBER GASKET AND A 12mm (MIN.) THICK STEEL PLATE NO SMALLER THAN THE FLANGE O.D. AND SECURED WITH FULL BOLTING. FLANGES DRILLED FOR BOLTING LARGER THAN 20mm DIAMETER MAY BE SECURED WITH 20mm DIAMETER BOLTS AND SUITABLY SIZED WASHERS.
6. IN ADDITION TO SHIPPING COVER AND GASKETS, ALL NOZZLES AND MANWAYS SHALL BE WRAPPED WITH HEAVY DUTY PLASTIC FILM TO PREVENT SEA WATER PITTING ON THE MACHINED SURFACES.
7. ALL TEMPORARY SHIPPING COMPONENTS,INCLUDING BOLTING, COVERS, CLIPS, SUPPORTS, BRACES, ETC., SHALL BE PAINTED BRIGHT ORANGE OR BRIGHT YELLOW TO FACILITATE IDENTIFICATION FOR REMOVAL IN FIELD.
8. VESSEL SHALL BE CHARGED WITH 0.5 bar(g) NITROGEN(N2) (COMPLETE WITH VALVES AND PRESSURE GAUGE IN A PROTECTED SPACE ON THE VESSEL).
   ADJACENT TOP NOZZLE 1 AND BOTTOM BODY FLANGE SHALL BE PAINT THE FOLLOWING WARNING IN 50mm HIGH YELLOW LETTERS IN ENGLISH AND SERBIAN:
   DANGER!! VESSEL FILLED WITH NITROGEN UNDER PRESSURE
   DO NOT ENTER WITHOUT REMOVAL OF ALL NITROGEN
9. MACHINED SURFACE SHALL BE COATED WITH REMOVABLE RUST PREVENTATIVE.
10. ON VESSEL SHALL BE PAINTED WITH CLEARLY VISIBLE LETTERS FROM GROUND:
    POST WELD HEAT TREATED
    DO NOT WELD ON THIS VESSEL

LIST OF HOLDS
HOLD 1
-OUTLINE AND DIMENSIONS ARE IN HOLD TO BE DISCUSSED WITH HEAVY LIFT CONTRACTOR. SADDLE MUST BE DESIGNED TO ALLOW COMPLETE SKIDDING OPERATION

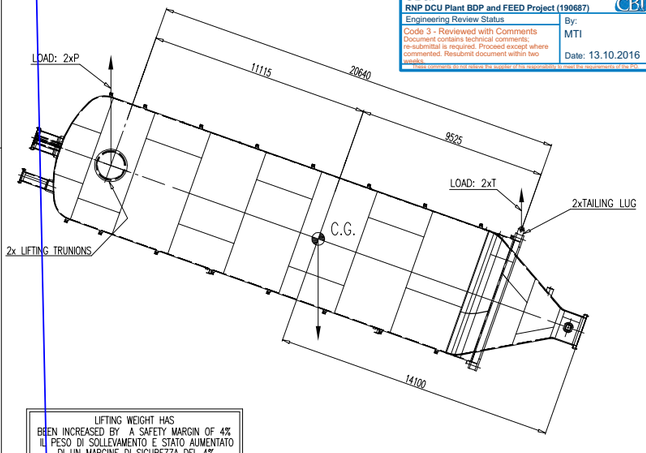
- TEMPORARY SADDLES WEIGHT: - 9756 Kg.
- CALCULATED TOTAL SHIPPING WEIGHT : 173480 Kg.
  (THIS WEIGHT IS THE THEORETICAL CALCULATED WEIGHT + SADDLES WEIGHT
- HANDLING WEIGHT : 190564 Kg. (SEE NOTE (*))

NOTE (*) : THE THEORETICAL CALCULATED WEIGHT HAS BEEN INCREASED BY A SAFETY MARGIN EQUAL OF 4%.

NOZZLES ACCESSORIES NECESSARY FOR HYDROTEST / SHIPPING
ACCESSORI DEI BOCCHELLI NECESSARI PER PROVA IDRAULICA / SPEDIZIONE

NOZZLE MARK / DENOMINAZIONE BOCCHELLO	QUANTITY QUANTITÀ	SIZE DIAM. NOM.	RATING SERIE	FLANGE FACE FACCIA FLANGIA	HYDROTEST – PROVA IDRAULICA				SHIPPING – SPEDIZIONE						NOTES – NOTE
					BLIND FLANGIA CIECA	STUDBOLTS & 2 NUTS FOR EACH BULLONI & 2 DADI PER CIASCUNO			BLIND FLANGIA CIECA			SCREWS & 1 NUT FOR EACH VITI & 1 DADO PER CIASCUNO			
					REQUIRED RICHIESTO (YES/NOT)	REQUIRED RICHIESTO (YES/NOT)	SIZE/LENGTH DIAM./LUNGHEZZA	QUANTITY Q.TA.	REQUIRED RICHIESTO (YES/NOT)	MATERIAL MATERIALE (STEEL/WOOD)	THK. SP.	REQUIRED RICHIESTO (YES/NOT)	SIZE/LENGTH DIAM./LUNGHEZZA	QUANTITY Q.TA.	
1	1	36"I.D.	300#	RF	YES	YES	M42x3 / L=320	32	YES	STEEL	12	YES	M20x2.5 / L=160	32	SEE NOTE 5
2	1	60"	SPC'L	RF	YES	YES	M45x3 / L=385	56	YES	STEEL	12	YES	M20x2.5 / L=185	56	SEE NOTE 5
7	1	20"	300#	RF	YES	YES	M33x3.5 / L=305	24	YES	STEEL	12	YES	M20x2.5 / L=115	24	SEE NOTE 5
11	1	10"	600#	RF	YES	YES	M33x3.5 / L=230	16	YES	STEEL	12	YES	M20x2.5 / L=125	16	SEE NOTE 5
13	1	3"	300#	RF	YES	YES	M20x2.5 / L=130	8	YES	STEEL	12	YES	M20x2.5 / L=85	8	SEE NOTE 5
33	1	16"	300#	RF	YES	YES	M33x3.5 / L=220	20	YES	STEEL	12	YES	M20x2.5 / L=120	20	SEE NOTE 5

LIFTING WEIGHT
- COKE DRUMS WILL BE LIFTED WITH INSULATION
- PLEASE CONFIRM THAT INSULATION WEIGHT 25t IS INCLUDED

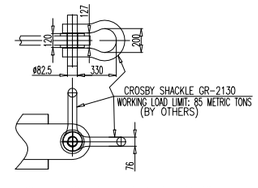


LIFTING WEIGHT HAS BEEN INCREASED BY A SAFETY MARGIN OF 4%
IL PESO DI SOLLEVAMENTO È STATO AUMENTATO DI UN MARGINE DI SICUREZZA DEL 4%

TOTAL LIFTING WEIGHT: 206300 Kg

	P	T	
8'			
0°	47602 Kg	55548 Kg	T MAX
90°	206300 Kg	0 Kg	P MAX

LOADS IN LIFTING SITUATON



TAILING LUG SHACKLE DETAIL

CB&I
RNP DCU Plant BDP and FEED Project (190687)
Engineering Review Status
Code 3 - Reviewed with Comments
Document contains technical comments; re-submittal is required. Proceed except where commented. Resubmit document within two weeks.
By: MTI
Date: 13.10.2016

NOTIFIED BODY:
RINA S.p.A. - 0474
BY:
DATE:

THIS DRAWING MUST BE READ WITH TRANSPORTATION DRAWING 2/2 (DWG-16120.01-12).

SUPPLIER/SUBCONTRACTOR DRAWING DECAL
RNP DCU Plant Project - WP1

Supplier Name: WALTER_TOSTO_SPA

SDR Code(s): D01-G02

Equipment/Tag Number(s): DC-5301A/B

Project Document Number

Project Number		Purchase Order Number				Seq.No	Purchaser's Revision
190687	–	0230-001	–	SD	–	000015	~~0~~ 1

Purchaser's review of Supplier's documents does not relieve Supplier of the responsibility for correctness under the Purchase Order. Permission to proceed does not constitute acceptance of design, detail and calculations, test methods or materials developed or selected by the Supplier and does not relieve the Supplier from full compliance with the Purchase Order or any other obligations, nor detract from any of the Purchaser's rights.

Form Number: CMS-870-02-FM-30006 Issued for Use: 28/09/2016

REV. REV	DATE DATA	DESCRIPTION DESCRIZIONE	PREPARED DISEGNATO	CHECKED CONTROLLATO	APPROVED APPROVATTO
0	28.09.16	FIRST ISSUE	N.NISTORAS	A.VRANCEANU	P. DI LILLO

Walter Tosto Heavy Industry — CHIETI SCALO - ITALY

TITLE TITOLO: COKE DRUM DC-5301A/B — QTY Q.TA.: 2

OBJECT OGGETTO: TRANSPORTATION DWG. 1/2

DRAWN BY DISEGNATO: N.NISTORAS — CHECKED CONTROLLATO: A.VRANCEANU — DATE DATA: 28.09.2016

DWG NO / DIS. N.: DWG-16120.01-11 — TABLE TAVOLA: 11 — REV.: 0 — JOB WT COMM WT: 16120.01

P.O. N°: 0230-001 — SCALE SCALA: 1:50 — PRODUCT CODE CODICE PRODOTTO: TPAV06502900

DWG-16120.01-11_TR1_0.8.DWG

FORMAT A1