

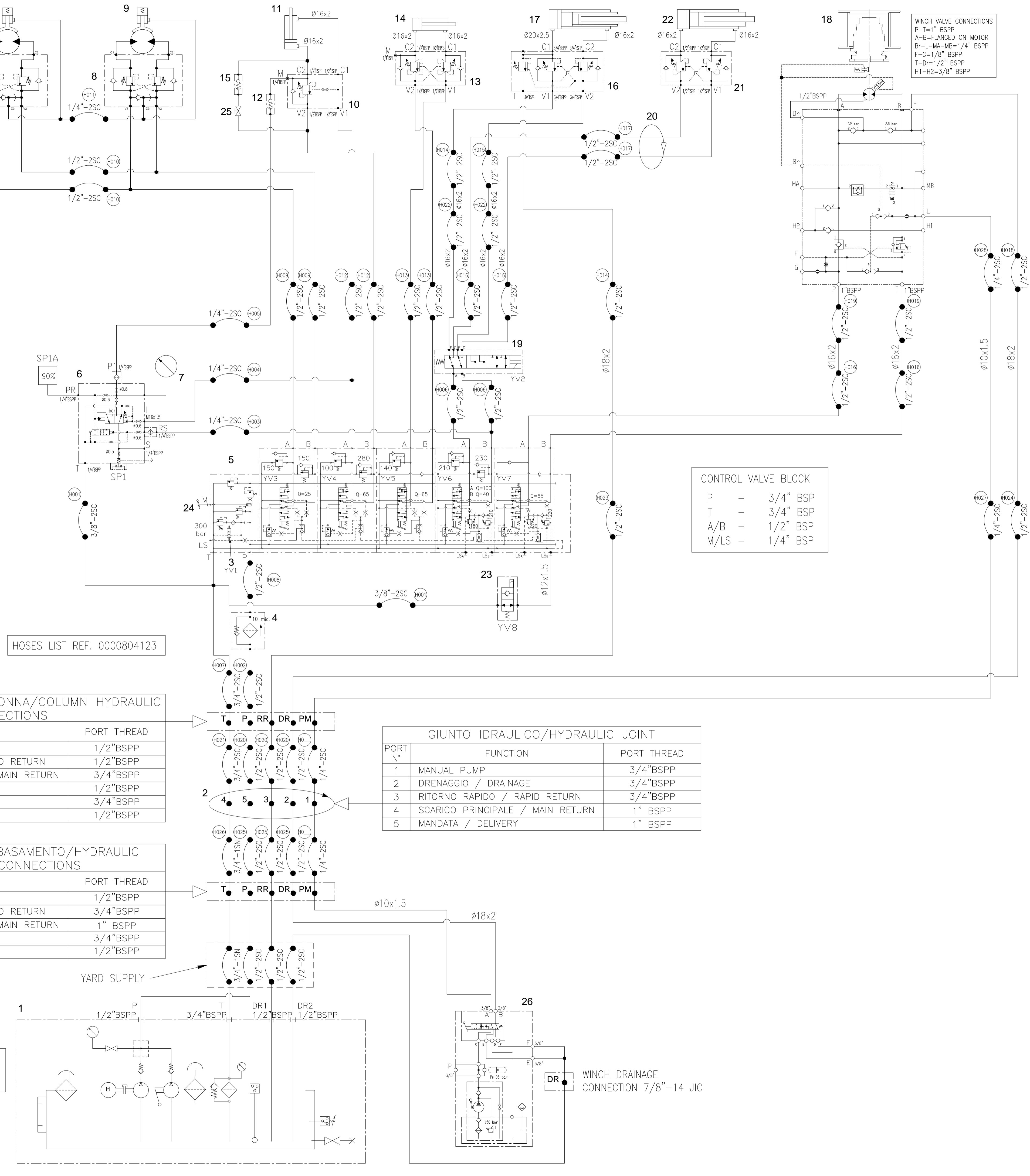
All pipes on the crane (Heila supply): AISI 316 L

- Notes (referred to customer supplied pipes):
- 1- All pipes material (except P line *): St 37.4 DIN 2445 phosphated on the inner and outer surfaces;
 - 2- Level of contaminated oil after scaling and fluxing the unit should not exceed standard 18/16/13, in accordance with ISO 4406 (7-NAS 1638)
 - 3- Drain shall always be connected to tank
 - 4- piping system to be tested 1.5 time the max working pressure
 - 5- All piping must be installed tension free
 - 6- All piping must be cleaned before installation
 - 7- Bends: 2/3 times the nominal diameter, unless otherwise specified

* P line pipe $\geq \varnothing 38.5$; material must be **St 52.4 NBK (E355N) EN10305-4 (Wp = 300bar)**

Pos.	Item list	Q.ty	Code
01)	Centralina Power pack	1	0000413334C
02)	Giunto idraulico Hydraulic joint	1	0000405048
03)	Elettrovalvola di messa a scarico Unload valve	1	0000374524
04)	Filtro Filter	1	0000377082
05)	Distributore Control valve block	1	0000383493
06)	Valvola limitatrice di momento Load moment limiting-device	1	0000370111
07)	Manometro Pressure gauge	1	0000393001
08)	Valvola di blocco controllo rotazione Rotation control block valve	2	0000370251
09)	Motoriduttore rotazione Rotation element	2	0000409036
10)	Valvola semplice idropilotata Simple hydro-piloted stop valve	1	0000370126
11)	Cilindro 1° braccio 1st boom cylinder	1	
12)	Valvola paracadute Safety stop valve	1	0000370067
13)	Valvola di blocco doppio effetto idropilotata Double hydro-piloted valve	1	0000370082
14)	Cilindro 2° braccio 2nd boom cylinder	1	
15)	Valvola paracadute Safety stop valve	1	0000370068
16)	Valvola di blocco doppio effetto idropilotata Double hydro-piloted valve	1	0000370427
17)	Cilindro sfilo 3S 3S extension cylinder	1	
18)	Argano Winch	1	0000430289C
19)	Valvola di scambio 3S/5S Selection valve 3S/5S	1	0000395018
20)	Awolgitubo Hose-reel	1	0000378711
21)	Valvola di blocco doppio effetto idropilotata Double hydro-piloted valve	1	0000370326
22)	Cilindro sfilo 5S 5S extension cylinder	1	
23)	Elettrovalvola di messa a scarico (NA) Discharge solenoid valve	1	0000526007
24)	Rubinetto chiusura pilotaggi in emergenza Pilot press. closing valve in emergency operations	1	0000394019
25)	Rubinetto emergenza discesa braccio Boom lowering emergency ball valve	1	0000394012
26)	Unità di alimentazione manuale discesa argano Manual winch winding down device	1	0000370513

Rev.	Date	Description	Issued	Checked	Approved
REVISION HISTORY					
<small>QUESTO DOCUMENTO E LE INFORMAZIONI IN ESSO CONTENUTE NON DEVONO ESSERE SVILUPPATE O UTILIZZATE PER QUALSIASI SCOPO SENZA AUTORIZZAZIONE SCRITTA DELLA HEILA CRANES S.p.A. CHE NE HA LA PROPRIETA'. THIS DOCUMENT AND ANY INFORMATION HEREIN CONTAINED SHOULD BE DISCLOSED OR USED FOR ANY PURPOSE WITHOUT THE WRITTEN CONSENT OF HEILA CRANES S.p.A. WHICH OWNS THE INTELLECTUAL PROPERTY.</small>					
 Custom Built Marine & Offshore Cranes			SCALE TOTAL SHEETS 1 FORMAT A1		
NUMBER					
TITLE					
SCHEMA IDRAULICO HLRM 35/5SL +ARGANO HYDRAULIC SCHEME HLRM 35/5SL +WINCH					
CONTRACT/PROJECT	CERTIFICATION	CODE	EDIT INDEX		
1662	RMRS	5931500210			
DATE	DESIGNED	CHECKED	APPROVED		
30/01/14	Benassi A.	Besagni R.			



HOSES LIST REF. 0000804123

PORT N°	FUNCTION	PORT THREAD
DR	DRENAGGIO / DRAINAGE	1/2"BSPP
RR	RITORNO RAPIDO / RAPID RETURN	1/2"BSPP
T	SCARICO PRINCIPALE / MAIN RETURN	3/4"BSPP
P	MANDATA / DELIVERY	1/2"BSPP
--	SPARE	3/4"BSPP
PM	MANUAL PUMP	1/2"BSPP

PORT N°	FUNCTION	PORT THREAD
1	MANUAL PUMP	3/4"BSPP
2	DRENAGGIO / DRAINAGE	3/4"BSPP
3	RITORNO RAPIDO / RAPID RETURN	3/4"BSPP
4	SCARICO PRINCIPALE / MAIN RETURN	1" BSPP
5	MANDATA / DELIVERY	1" BSPP

PORT N°	FUNCTION	PORT THREAD
DR	DRENAGGIO / DRAINAGE	1/2"BSPP
RR	RITORNO RAPIDO / RAPID RETURN	3/4"BSPP
T	SCARICO PRINCIPALE / MAIN RETURN	1" BSPP
P	MANDATA / DELIVERY	3/4"BSPP
PM	MANUAL PUMP	1/2"BSPP

30 KW
60 L/min
290 Bar

WINCH DRAINAGE CONNECTION 7/8"-14 JIC