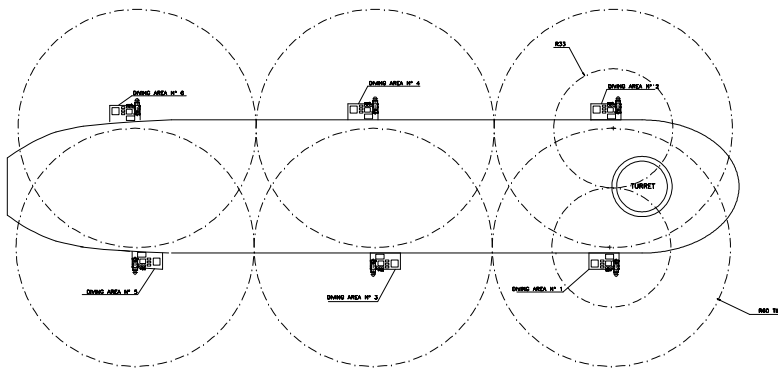
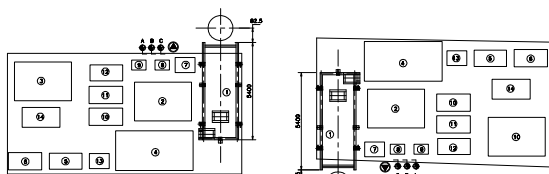


**DIVING STATIONS ARRANGEMENT**  
MAIN DECK - TOP VIEW



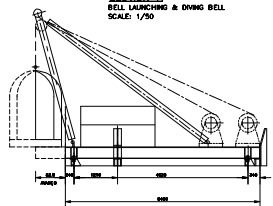
**PERMANENT AREAS FOR DIVING LAUNCHING SYSTEM**  
TYPICAL COMPONENTS LAY-OUT AND FACILITIES  
SCALE: 1/100



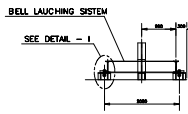
DIVING AREA N° 2/3/4 AS DRAWN  
DIVING AREA N° 1 SYMMETRIC

DIVING AREA N° 5

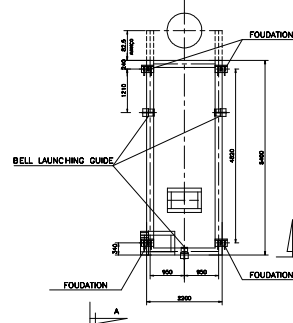
**SECTION-A**  
BELL LAUNCHING & DIVING BELL  
SCALE: 1/50



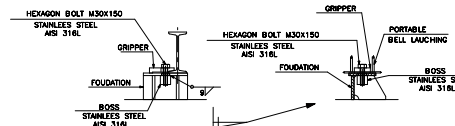
**SECTION-B**  
SCALE: 1/50



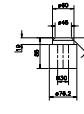
**BELL LAUNCHING SYSTEM**  
FOUNDATION & GUIDE DEVICE  
SCALE: 1/50



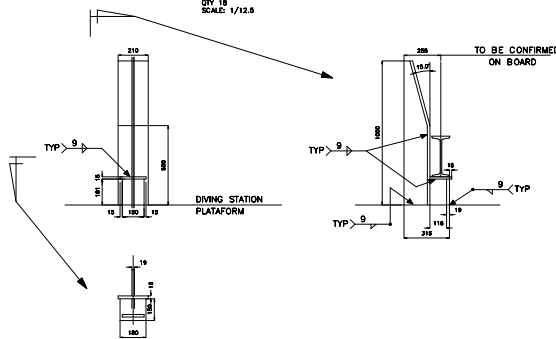
**DETAIL-1**



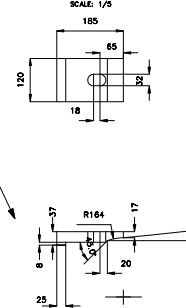
**BOSS**  
STAINLESS STEEL AISI 316 L  
SCALE: 1/5



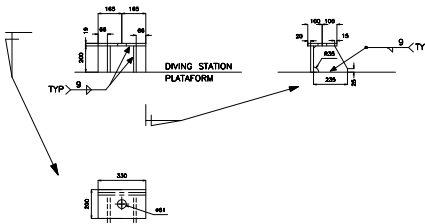
**BELL LAUNCHING GUIDE**  
STEEL PLATE CLASS. SV. GR. AH 36 THICK 19MM  
QTY: 19  
SCALE: 1/12.5



**GRIPPER**  
STEEL PLATE ASTM A 36  
QTY: 24  
SCALE: 1/5



**FOUNDATION**  
STEEL PLATE CLASS. SV. GR. AH 36 THICK 19MM  
QTY: 24  
SCALE: 1/12.5



ITEM	EQUIPMENTS	DIMENSIONS	WEIGHT
1	DIVING BELL LAUNCHING SYSTEM	5400x2200x3800	4500 KG
2	DIVE CONTROL CONTAINER	3150x2150x2450	3500 KG
3	MECHANICAL SHOP CONTAINER	3150x2150x2450	4000 KG
4	DESCOMPRESSION CHAMBER	4300x2200x2200	4000 KG
5	LOW PRESSURE AIR COMPRESSOR - CHAMBER	1850x980x1540	1340 KG
6	AIR VOLUME TANK - CHAMBER	1800x900x1100	420 KG
7	COMPRESSED AIR RACKS 12 - CHAMBER	1100x830x2000	1600 KG
8	COMPRESSED AIR RACKS 06 - CHAMBER	800x550x1900	540 KG
9	OXYGEN RACKS	800x550x1900	800 KG
10	HIGH PRESSURE AIR COMPRESSOR	1850x980x1540	1340 KG
11	LOW PRESSURE AIR COMPRESSOR - DIVE	1850x980x1540	1340 KG
12	AIR VOLUME TANK - DIVE	1800x900x1100	420 KG
13	COMPRESSED AIR RACKS 12 - DIVE	1100x830x2000	1600 KG
14	CLOTHING CONTAINER	1570x890x2000	1430 KG

FACILITIES ON DIVING AREAS	
SYMB	DESCRIPTION
⊕	DIVING RECEPTACLE 440V
A	DN ø3/4" - AIR DISTRIBUTION
B	DN ø1" - SEA WATER
C	DN ø3/4" - FRESH WATER

**GENERAL NOTES**

- 1- THE DIVING AREA LOCATION SHALL BE PROPOSED BY THE DESIGNER AND SUBMITTED TO PETROBRAS FOR APPROVAL.
- 2- THEY SHALL MAKE POSSIBLE THE DIVER'S ACCESS TO ALL UNIT STRUCTURE.
- 3- THE MAXIMUM RADIUS OF ACTION TO BE REACHED BY THE DIVER MUST BE 50.0M FOR OPERATIONS DURING THE DAY. AT NIGHT, AS NORMS P6-15 AND NORMAM-15, THE MAXIMUM DISTANCE ALLOWED BETWEEN DIVE BELL AND THE WORKING PLACE CANNOT BE BIGGER THEN 33.0M (THIRD THREE METERS).
- 4- THEY MAY UTILIZE, ALWAYS AS POSSIBLE, THE PLATFORM DEVICES FOR INSTALLATION AND DISMANTLING OFF ALL DIVING SYSTEM EQUIPMENTS, WHEN IT'S NOT POSSIBLE, THE RESOURCE FOR IT MUST BE OBTAINED. IT SHALL DO THE TRANSPORT OF THE DIVING EQUIPMENT FROM LAY-DOWN AREA TO THE DIVING AREA, AS WELL MAKE POSSIBLE THE INSTALLATION AND DISMANTLING OF THE DIVING SYSTEM EQUIPMENTS. THE CAPACITY TO BE HANDLED IS 7 TONS.
- 5- THIS AREA SHOULD BE PROJECTED WITH 12% OF INCLINATION OUTSIDE OF THE SHIP'S DECK. THE TOTAL DIVING SYSTEM WEIGHT IS 30 TONS. WHERE THE DIVING AREA WILL BE PROPOSED, THE MATERIAL MUST BE REMOVABLE, BECAUSE THE SYSTEM WILL EXTEND THROUGH IT.
- 6- SPECIAL ATTENTION MUST BE TAKEN FOR NO GASES DISCHARGE IN THE DIVING AREA.

REV.	DESCRIPTION	DATE	EXEC.	CHECK	APPROV.
1					

CLIENT: EAP

AREA: FPSO TURRET

TITLE: DIVING AREA

PROJ. EXEC. CHECK APPROV.

SCALE INDICATED SIZE SHEET 1-1

DATE: DE-3000.00-1300-041-PEN-001 REV. 0