

# 46 m x 47.50 m / 92 Men / Self Propelled / 3 Leg Self Elevating Unit with Helideck



## DELTA 22

5 Years Life Extension as per Life Assurance Program  
E1.11 of ADMA-OPCO JUIMS



Atlantic Maritime Group FZE

[www.atlanticnavigation.com](http://www.atlanticnavigation.com)

### GENERAL PARTICULARS

Year of Build / Place : 1980 / Singapore  
Year of Re – Build : 2012 / UAE  
IMO Number : 8753134  
Call Sign : 3FHE  
Flag / Port of Registry : Panama  
Class : ABS  
Notation : ⚡ A1, Self-Elevating Unit  
Vessel Manager : Atlantic Maritime Group

### DIMENSIONS

Length (Hull) : 151 Ft (46.02 m)  
Length (Including Helideck) : 222.40 Ft (67.80 m)  
Breadth : 156 Ft (47.55 m)  
Depth : 18 Ft (5.48 m)  
Maximum Draft (Hull) : 12 Ft (3.65 m)  
Safe Operating Draft : 21 Ft (6.40 m) [Hull + Spud Can]  
GRT : 4229.00  
NRT : 1268.00  
Displacement @ Max. Draft : 6585.00 T  
Lightship : 4738.00 T  
Total Variable Load : 2899 Kips (1315 T)

### MACHINERY

Main Generators : 4 x Caterpillar D 399 @ Idle 780 RPM  
Total: 4370 BHP @ 1200 RPM  
Alternators : 4 x Kato, 1030 kW (Each), 1287 kVA @ P.F – 0.8  
600 V, 60 Hz; 3 PH  
Emergency Generator : 1 x Caterpillar D 379; 575 HP @ 1200 RPM  
Alternator : 1 x Kato, 550 kW, 688 kVA @ P.F – 0.8  
480 V, 60 Hz, 3 PH  
Aft Thrusters : 2 x Wartsila, CS 175 – SLIWO, 500 kW (Each), CPP  
Forward Thrusters : 2 x Schottel NAV 300 / 441, 482 kW (Each), CPP

### MAIN CRANE

Location : Main Deck Starboard Stern  
Model : BUCYRUS ERIE MK – 60  
Boom Length / Type : 100 Ft (30.48 m) / Lattice Boom  
Main Block Capacity : Maximum 47.62 MT  
47.62 MT @ Radius (Minimum) 6.10 m (Boom Angle 80°)  
6.35 MT @ Radius (Maximum) 32.00 m (Boom Angle 0°)  
Auxiliary Block Capacity : 5.40 MT @ Radius 6.10 m ~ 32.00 m  
Man Riding Capacity : 1.50 MT  
Engine : Detroit GM 12 V – 71N

### AUXILIARY CRANE

Location : Main Deck Port  
Model : LE TOURNEAU PCM – 120 AS  
200 HP Electric Motor Crane  
Boom Length / Type : 120 Ft (36.57 m) / Lattice Boom  
Main Block Capacity : Maximum 35.60 MT  
35.60 MT @ Radius (Minimum) 8.53 m  
1.63 MT @ Radius (Maximum) 36.57 m  
Auxiliary Block : N/A

### ANCHOR WINCH

Winch : 2 x Baker Marine Services; 32 mm Wire Rope

### TOWING ARRANGEMENT

Smit Bracket : 4 x 50 T Each (Fwd. and Aft)  
Twin Bit Bollards : 8 Nos. All around the barge  
Fair Leads : 2 x Aft

### OPERATING CONDITIONS

#### Normal Operating Condition 1 – Elevated

Maximum Water Depth (Elevated) : 160 Ft (48.76 m)  
Maximum Air Gap (Elevated) : 30 Ft (9.14 m)

#### Normal Operating Condition 2 – Elevated

Maximum Water Depth (Elevated) : 150 Ft  
Maximum Air Gap (Elevated) : 40 Ft

#### Normal Operating Condition 3 – Elevated

Maximum Water Depth (Elevated) : 140 Ft  
Maximum Air Gap (Elevated) : 50 Ft

#### Normal Operating Condition 4 – Elevated

Maximum Water Depth (Elevated) : 130 Ft (39.62 m)  
Maximum Air Gap (Elevated) : 60 Ft (18.28 m)

Wave Height : 16 Ft (4.87 m) (All above Conditions)  
Wave Period : 10 Seconds (All above Conditions)  
Wind Velocity : 44 Knots (All above Conditions)  
Current Velocity : 2.50 Knots (All above Conditions)  
Maximum Leg Penetration : 20 Ft (6.09 m) (All above Conditions)

#### Storm Holding Condition – Elevated

Maximum Water Depth : 160 Ft (48.76 m)  
Maximum Air Gap : 30 Ft (9.14 m)  
Wave Height : 29 Ft (8.80 m) (Storm Holding Condition)  
Wave Period : 10 Seconds (Storm Holding Condition)  
Wind Velocity : 70 Knots (Storm Holding Condition)  
Current Velocity : 2.50 Knots (Storm Holding Condition)  
Maximum Leg Penetration : 20 Ft (6.09 m) (Storm Holding Condition)

#### Afloat Conditions

Min. Depth Required (Transit / Tow): 6.90 m

### LEGS AND JACKING SYSTEM

Legs : 3 Nos / Cylindrical  
Leg Dimensions (Exc. Spud) : Length 260 Ft (79.20 m) / Diameter 12 Ft (3.65 m)  
Spud Can : 3 Nos / Octagonal  
Spud Can Dimensions : Across Flats 31 Ft (9.44 m) / Height 5 Ft (1.52 m)  
Cathodic Protection : Available

Jacking System : 3 x Baker Marine;  
Electro Hydraulic, Rack & Pinion  
Total Elevating Capacity : 10,800 Kips (4898 MT)  
Total Holding Capacity : 18,000 Kips (8164 MT)  
Leg Bearing Pressure : 44.08 T / m2  
Elevating Speed : Variable; Up to 1 Ft / minute  
Climbing Pinions : 6 Nos (Per Leg)  
Safety Features : Automatic Position Lock on Power Failure

### FIRE FIGHTING & SAFETY EQUIPMENT

Fire & Bilge Pump : 2 x 204 m3 / hr @ 53 m Head  
Emergency Fire Pump : 1 x 140 m3 / hr @ 85 m Head  
Fi-Fi Monitors (Helideck) : 2 x 1453 L / min (87 m3 / hr) with Manual Control  
Fi-Fi Monitors (Top Deck) : 2 x Fire Monitors for Main deck with Manual Control  
Fixed CO2 System : Available in Engine Room / PCR, EDG Room / DG4 Room / Galley and Paint Store  
Sprinkler Pump : 1 x 50 m3 / hr; Serving Accommodation Area

# 46 m x 47.50 m / 92 Men / Self Propelled / 3 Leg Self Elevating Unit with Helideck

## HELIDECK CAPACITY

Type (Helicopter)	: AW 139 or Bell 412 or equivalent helicopters.
Capacity	: 6.80 T
Helideck Size (Diameter)	: 21.30 m
Gross Weight	: 9.27 T
Safety	: Safety Net, Perimeter Lights, Flood Lights As per CAAP 71

## LIFEBOAT AND DAVIT

PORT Lifeboat (Rescue Boat)	: 1 x 50 Men, Fully Enclosed (SOLAS Approved) Davit Capacity of 7340 Kg
STBD Lifeboat	: 1 x 45 Men, Fully Enclosed (SOLAS Approved) Davit Capacity of 6695 Kg
Rescue Boat & Davit	: Life Boat No 1 is used a Rescue Boat
Life Rafts (Throw Type)	: 5 x 25 Pax, 2 x 20 Pax, 2 x 15 Pax (Inflatable)
Life Buoys	: 14 Nos
Fire Hydrants	: 16 Nos
Life Jackets	: 106 Nos (SOLAS Approved)

## ACCOMMODATION

1 Man Cabin	: 6 Nos.
2 Man Cabin	: 6 Nos.
4 Man Cabin	: 15 Nos.
6 Man Cabin	: 1 No.
8 Man Cabin	: 1 No.
Total	: 92 Persons
Hospital	: 1 No
Recreation Room	: 1 No
Mess Room	: 2 No
Office	: 4 No
Laundry Room	: 1 No

All Cabins are Fully Air Conditioned

## Client can be accommodated in below configuration

1 Man Cabin	: 3 Nos
2 Man Cabin	: 3 Nos
4 Man Cabin	: 14 Nos

## CAPACITIES & PERFORMANCE

Fresh Water Tank	: 445.00 m3
Potable Water Tank	: 130.00 m3
Fuel Oil Tank	: 360.00 m3
Preload Water Tank	: 2273.00 m3
Drill Water / Fresh Water Tank	: 921.00 m3
Foam Tank	: 2 x Tanks in Helideck; Total – 800 Liters
Fresh Water Pump (Ship Service)	: 3 x 12 m3 / hr
Submersible Pump (Vertical)	: 2 x 240 m3 / hr @ 40 m Head
Deck Cargo Space	: 1200 m2 (Usable Free Space 440 m2)
Design Deck Load	: 1.2 T / m2
Fuel Consumption / Generator	: 2.0 m3 / Day
Average Fuel Consumption	: 2.0 m3 / Day
Compressed Air System	: 3 x Service Air Compressors @ 120 Psi (~8 bar) (Each)
Sewage Treatment Plant	: Red Fox, RF-3000-C-CBPN-S, 3000 US Gal / Day
Oily Water Separator	: Dessarollo, Capacity - 0.5 m3 / hr, 480 V, 60 Hz
Fresh Water Maker	: 2 x WATERTEK; AWS – 380 – 30; Total – 60000 L / Day
Chiller & Freezer	: Walk – In Type
Power Supply	: 4 x 100 Amps & 4 x 32 Amps (Breaker) 480 V; 60 Hz; 2000 kW

## NAVIGATION & COMMUNICATION EQUIPMENT

VHF	: 1 x Sailor – RT2048
VHF DSC (Watch Receiver)	: 2 x Icom / Sailor (IC – GM651 & RT5022)
Portable VHF	: 4 x Entel – HT – 649 (3 x HT644) & (1 x HT649)
MF / HF / DSC/Radio	: 2 x Samyung – SRG1150DN
NAVTEX	: 1 x NSR
Echo Sounder	: 1 x Koden 016818
Weather Station	: Davis – Vantage Pro 2
Wind Indicator	: 1 x Young – 06026
VHF Air Band	: 1 x Icom – IC – A200
AIS	: 1 x Samyung – SI 30 A
GPS	: 2 x Koden
SSAS	: 1 x Marine Track Lite
GMDSS	: Area A1 + A2
Radar	: 1 x Icom – MR 1200
EPIRB	: 1 x Kannad
SART	: 4 x McMurdo
Intercom/ P.A System	: Spector Lumenex
Satcom	: 2 IP Phone
VSAT	: KNS
TV Satellite	: Available



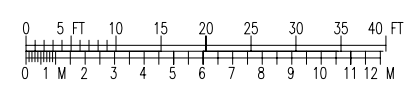
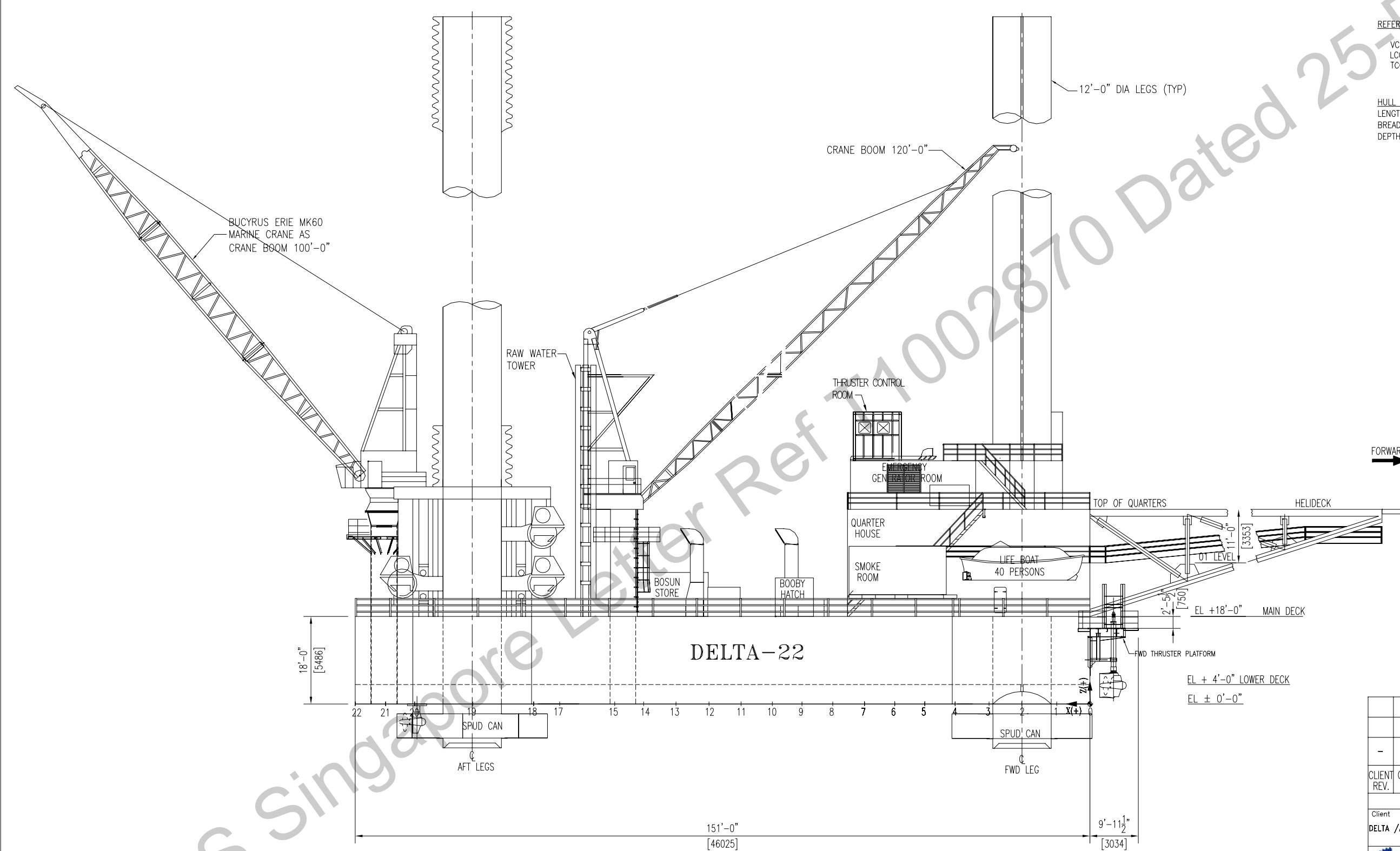


See ABS Singapore Letter Ref 1002870 Dated 25-FEB-2013

NOTES:-  
 1. ALL THE DIMENSIONS ARE IN FEET-INCH, U.N.O

REFERENCE AXIS:-  
 VCG IS POSITIVE ABOVE KEEL.  
 LCG IS POSITIVE AFT OF FRAME-0.  
 TCG IS POSITIVE TO STBD AND NEGATIVE PORT.

HULL DIMENSIONS  
 LENGTH (MLD) - 151'-0"  
 BREADTH (MLD.) - 156'-0"  
 DEPTH (MLD.) - 18'-0"



OUTBOARD PROFILE

0	19/01/13	ISSUED FOR REVIEW	PMR	SMS	DPV	
CLIENT REV.	GPMC REV.	ISSUE DATE	REASON FOR ISSUE	DRAWN BY	CHECKED BY	APPROVED BY
Client DELTA /ATLANTIC NAVIGATION FZE.		Project DELTA 22 UPGRADATION				
GREEN PALM MARINE CONSULTANCY.FZE P.O. Box 65734, Fairmont Towers, Suite 712, Dubai, UAE. Mob: (+971 50 6351495, Tel: (+971 4 3067245 Email: gpmc.gulf@gmail.com		THIS DOCUMENT IS FORWARDED TO THE RECIPIENT SOLELY FOR USE IN CONNECTION WITH THIS PROJECT AND IS TO BE HELD IN CONFIDENCE.				
Project Number 3082	Client Document Number -					
OUTBOARD PROFILE		Scale N.T.S		3rd Angle		
GENERAL ARRANGEMENT		Format A3		GPMC Revision 0		
GPMC DRAWING No. GPMC/3082/2A/DG/12.1.0		1/1		GPMC Revision 0		

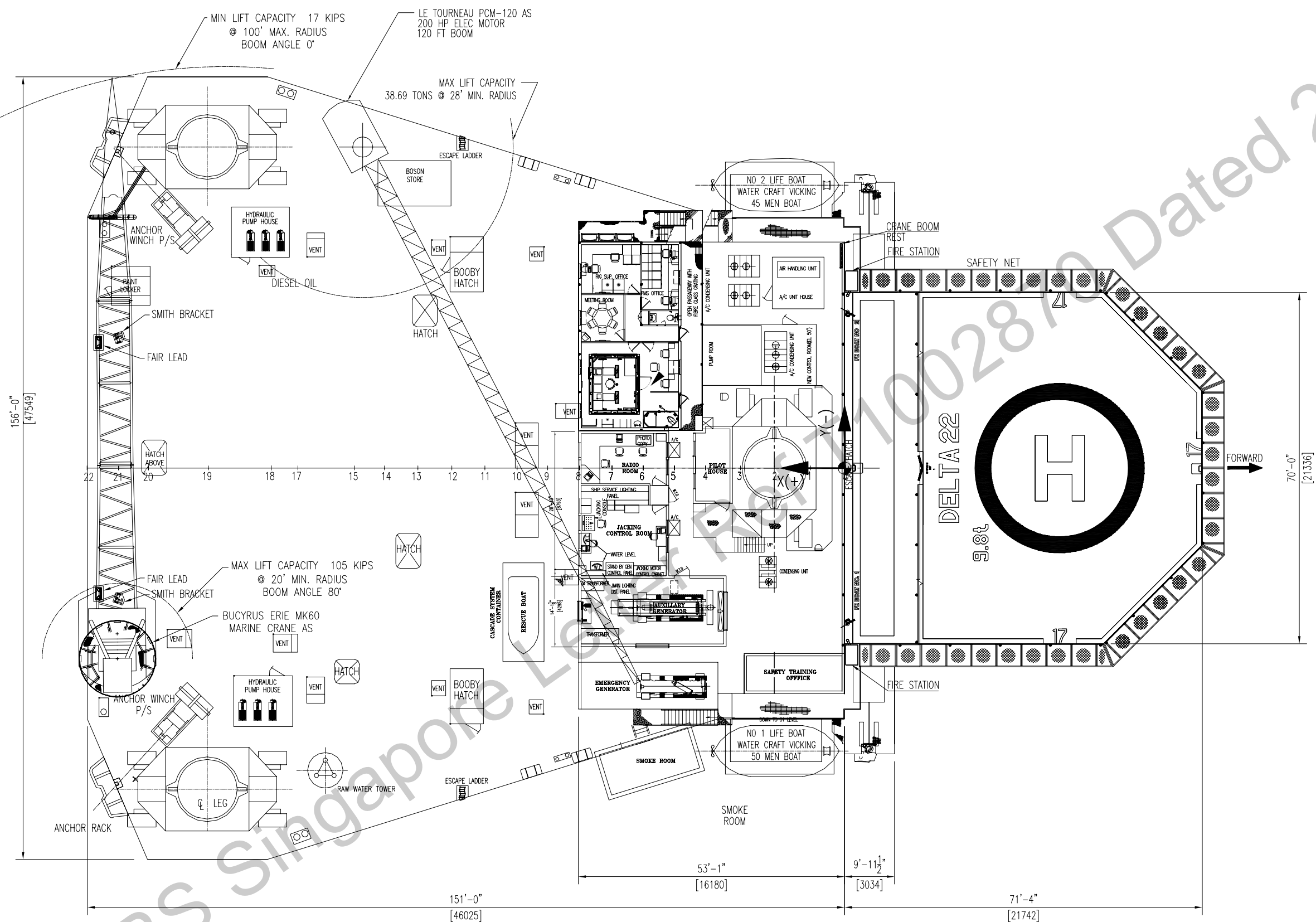
NOTES:-  
1. ALL THE DIMENSIONS ARE IN FEET-INCH, U.N.O

REFERENCE AXIS:-

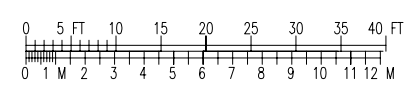
VCG IS POSITIVE ABOVE KEEL.  
LCG IS POSITIVE AFT OF FRAME-0.  
TCG IS POSITIVE TO STBD AND NEGATIVE PORT.

HULL DIMENSIONS

LENGTH(MLD) -151'-0"  
BREADTH (MLD.) -156'-0"  
DEPTH (MLD.) -18'-0"



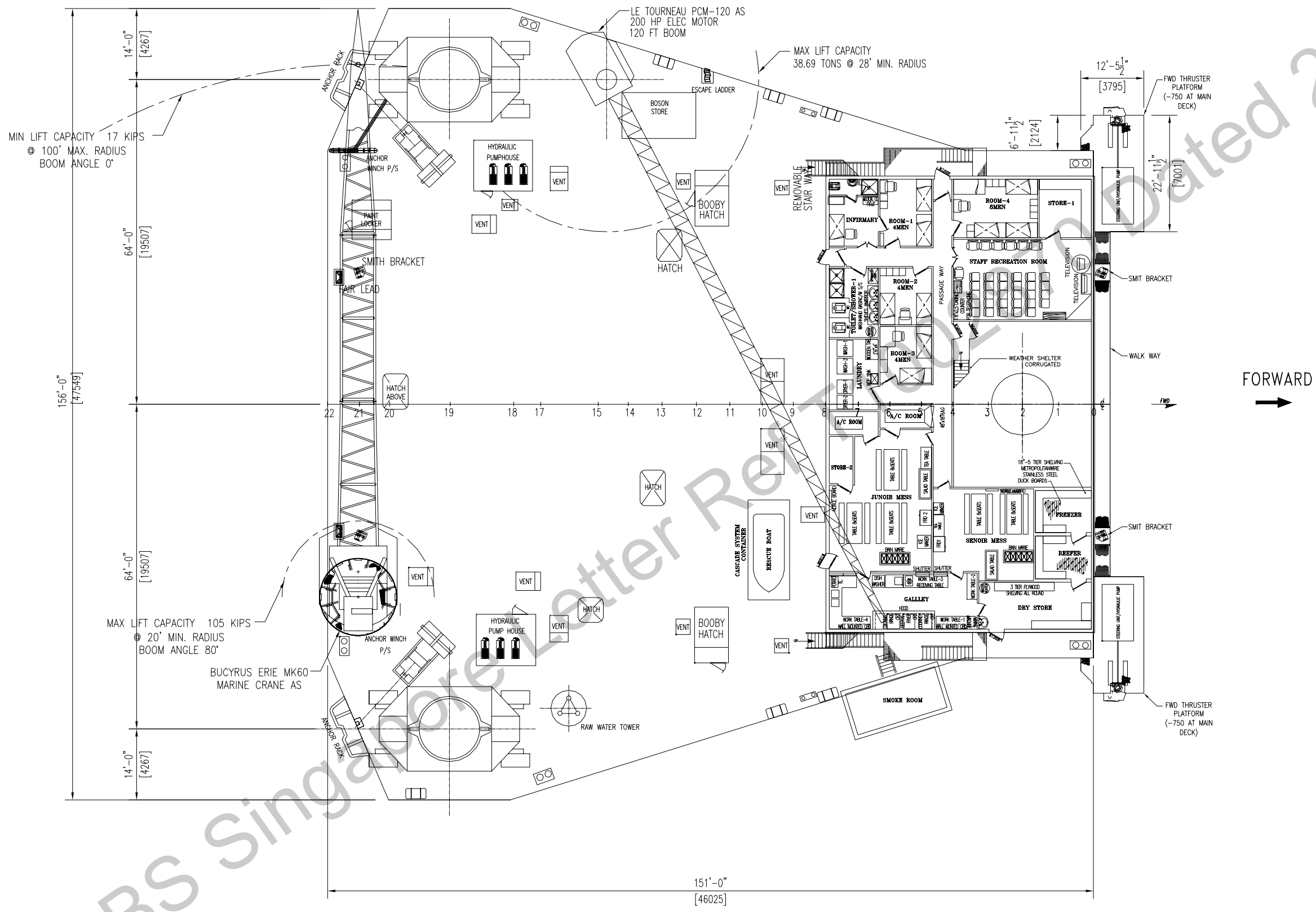
TOP PLAN



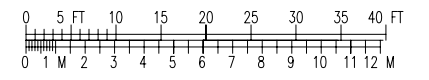
-	0	19/01/13	ISSUED FOR REVIEW	PMR	SMS	DPV
CLIENT REV.	GPMC REV.	ISSUE DATE	REASON FOR ISSUE	DRAWN BY	CHECKED BY	APPROVED BY
Client DELTA /ATLANTIC NAVIGATION FZE.		Project DELTA 22 UPGRADATION				
<b>GREEN PALM MARINE CONSULTANCY.FZE</b> P.O. Box 65734, Fairmont Towers, Suite 712, Dubai, UAE. Mob: (+971 50 6351495, Tel: (+971 4 3067245) Email: gpmc.gulf@gmail.com		<small>THIS DOCUMENT IS FORWARDED TO THE RECIPIENT SOLELY FOR USE IN CONNECTION WITH THIS PROJECT AND IS TO BE HELD IN CONFIDENCE.</small> Client Revision -				
Project Number 3082	Client Document Number -					
Scale N.T.S 3rd Angle  Format A3						
GPMC DRAWING No. GPMC/3082/2A/DG/12.2.0	1/1		GPMC Revision 0			

NOTES:-  
1. ALL THE DIMENSIONS ARE IN FEET-INCH, U.N.O

HULL DIMENSIONS  
LENGTH (MLD) - 151'-0"  
BREADTH (MLD.) - 156'-0"  
DEPTH (MLD.) - 18'-0"



FORWARD  
→

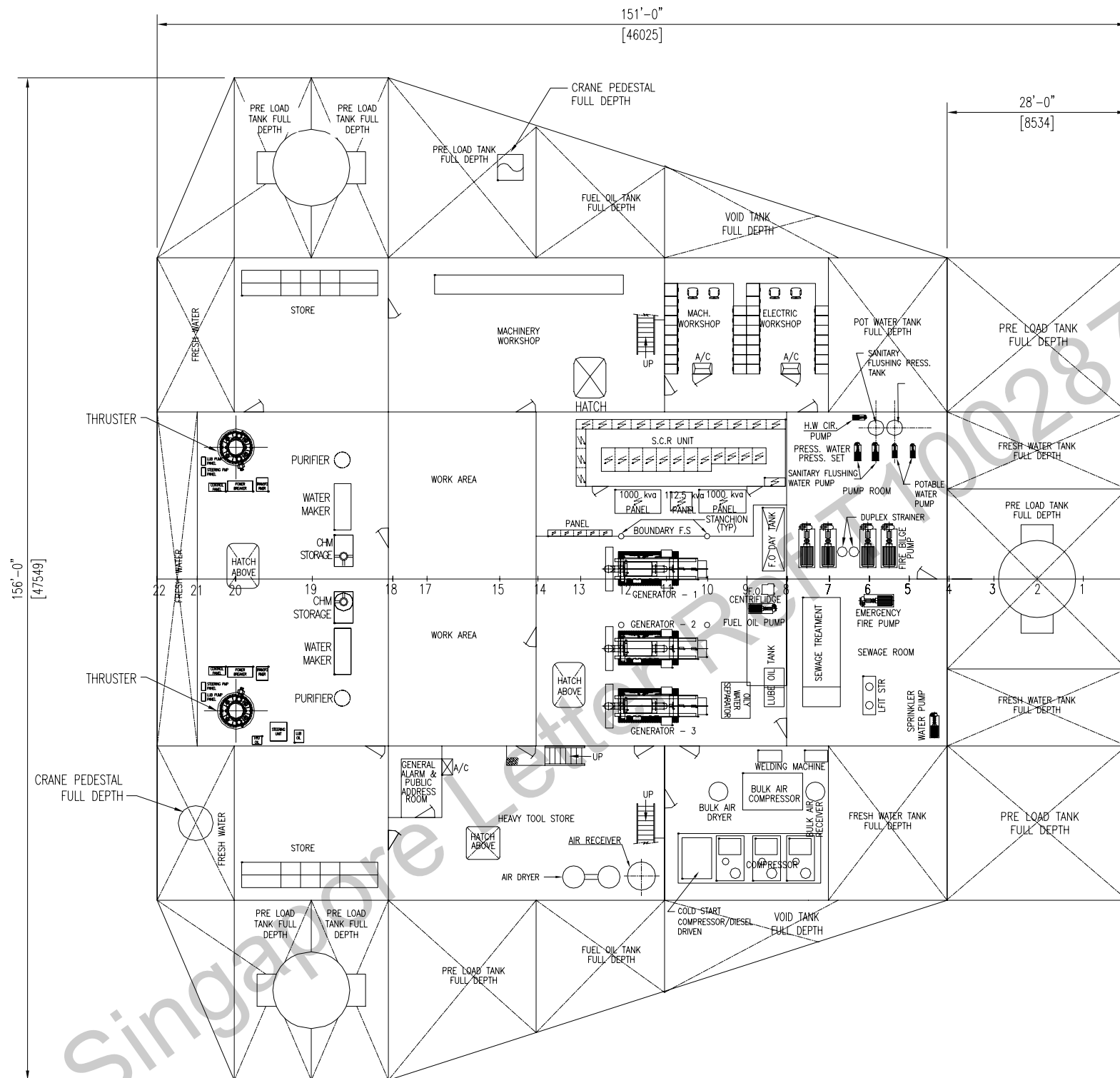


MAINDECK ARRANGEMENT

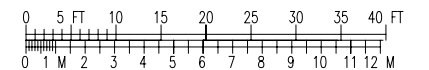
0	19/01/13	ISSUED FOR REVIEW	PMR	SMS	DPV	
CLIENT REV.	GPMC REV.	ISSUE DATE	REASON FOR ISSUE	DRAWN BY	CHECKED BY	APPROVED BY
Client DELTA /ATLANTIC NAVIGATION FZE.			Project DELTA 22 UPGRADATION			
		<b>GREEN PALM MARINE CONSULTANCY.FZE</b> P.O. Box 65734, Fairmont Towers, Suite 712, Dubai, UAE. Mob: (+971 50 6351495, Tel: (+971 4 3067245 Email: gpmc.gulf@gmail.com		<small>THIS DOCUMENT IS PROVIDED TO THE RECIPIENT SOLELY FOR USE IN CONNECTION WITH THIS PROJECT AND IS TO BE HELD IN CONFIDENCE.</small>		
Project Number 3082	Client Document Number -					
(MAIN DECK ARRANGEMENT) GENERAL ARRANGEMENT			Scale N.T.S			
GPMC DRAWING No. GPMC/3082/2A/DG/12.3.0		1/1	GPMC Revision 0			

NOTES:-  
1. ALL THE DIMENSIONS ARE IN FEET-INCH, U.N.O

HULL DIMENSIONS  
LENGTH (MLD) - 151'-0"  
BREADTH (MLD.) - 156'-0"  
DEPTH (MLD.) - 18'-0"

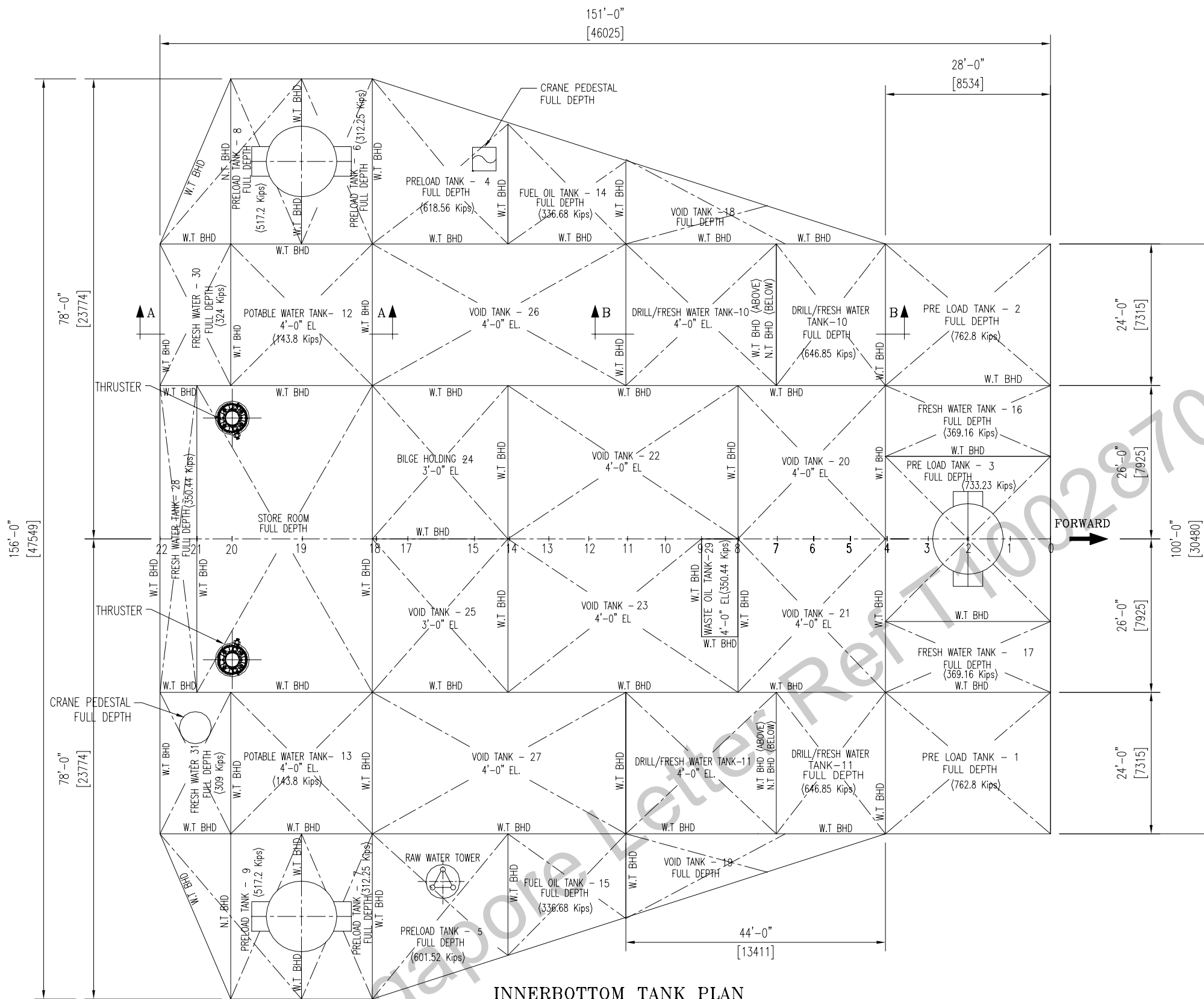


MACHINERY DECK ARRANGEMENT



-		A16	19/01/13	ISSUED FOR REVIEW	PMR	SMS	DPV
CLIENT REV.	GPMC REV.	ISSUE DATE	REASON FOR ISSUE	DRAWN BY	CHECKED BY	APPROVED BY	
Client DELTA /ATLANTIC NAVIGATION FZE.				Project DELTA 22 UPGRADATION			
Project Number 3082		Client Document Number -		Scale N.T.S		THIS DOCUMENT IS FORWARDED TO THE RECIPIENT SOLELY FOR USE IN CONNECTION WITH THIS PROJECT AND IS TO BE HELD IN CONFIDENCE.	
MACHINERY DECK GENERAL ARRANGEMENT				Format A3		Client Revision -	
GPMC DRAWING No. GPMC/3082/2A/DG/12.4.0				1/1		GPMC Revision 0	





INNERBOTTOM TANK PLAN

**NOTES:-**

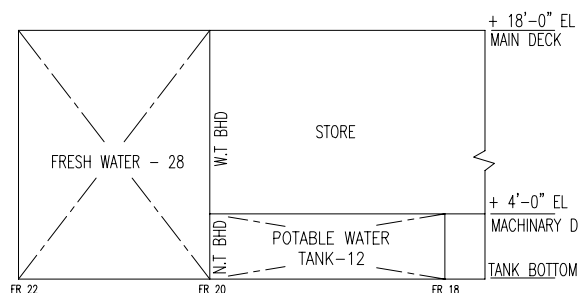
1. ALL THE DIMENSIONS ARE IN FEET&INCH, U.N.O

**REFERENCE AXIS:-**

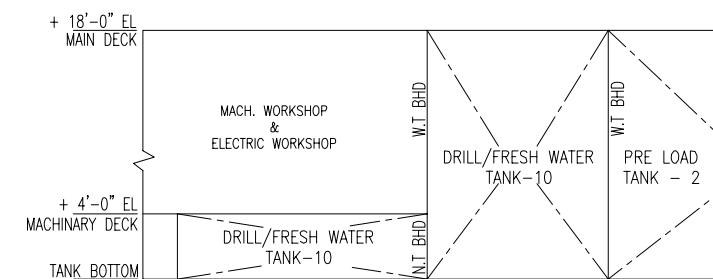
VCG IS POSITIVE ABOVE KEEL.  
LCG IS POSITIVE AFT OF FRAME-0.  
TCG IS POSITIVE TO STBD AND NEGATIVE PORT.

**HULL DIMENSIONS**

LENGTH(MLD) -151'-0"  
BREADTH (MLD.) -156'-0"  
DEPTH (MLD.) -18'-0"



VIEW A-A TYPICAL FOR TANK NOS. 12, 13 & 28.



VIEW B-B TYPICAL FOR TANK NOS. 10 & 11

Tank No:	Description	LCG ft	TCG ft	VCG ft	Depth ft	Disp: kips
1	Preload Tank 1	14.0	38.0	9.0	18'-0" EL	763
2	Preload Tank 2	14.0	-38.0	9.0	18'-0" EL	763
3	Preload Tank 3	14.0	0.0	9.0	18'-0" EL	733
4	Preload Tank 4	104.3	-62.2	9.0	18'-0" EL	619
5	Preload Tank 5	103.9	62.4	9.0	18'-0" EL	602
6	Preload Tank 6	120.1	-64.0	9.0	18'-0" EL	312
7	Preload Tank 7	120.1	64.0	9.0	18'-0" EL	312
8	Preload Tank 8	137.6	-62.4	9.0	18'-0" EL	517
9	Preload Tank 9	137.6	62.4	9.0	18'-0" EL	517
10	Drill/Fresh Water 10	42.4	-38.0	7.4	4'-0" EL	647
11	Drill/Fresh Water 11	42.4	38.0	7.4	4'-0" EL	647
12	Drill/Fresh Water 16	14.0	-20.0	9.0	4'-0" EL	369
13	Drill/Fresh Water 17	14.0	20.0	9.0	4'-0" EL	369
16	Potable Water 12	127.0	-38.0	2.0	18'-0" EL	144
17	Potable Water 13	127.0	38.0	2.0	18'-0" EL	144
28	Fresh Water 28	147.9	0.00	9.0	18'-0" EL	350
30	Fresh Water 30	145.0	-38.00	9.0	18'-0" EL	324
31	Fresh Water 31	145.0	38.28	9.0	18'-0" EL	309
14	Fuel Oil 14	82.6	-58.9	9.0	18'-0" EL	337
15	Fuel Oil 15	82.6	58.9	9.0	18'-0" EL	337
	FO Day Tank	58.2	-4.9			
	LO Tank For Generator	58.2	16.9			
	LO Tank For Steering	128.9	24.5	15.3		0.39
	Hyd.Oil	135.5	25.1	5.7		0.18
29	Waste Oil Tank 29	56.1	8.3	2.0	4'-0" EL	22.20
18	Void Tank 18	57.3	-54.7	9.0	18'-0" EL	11405
19	Void Tank 19	57.3	54.7	9.0	18'-0" EL	11405
20	Void Tank 20	40.5	-13.0	2.0	4'-0" EL	2600
21	Void Tank 21	40.5	13.0	2.0	4'-0" EL	2600
22	Void Tank 22	72.5	-13.0	2.0	4'-0" EL	6448
23	Void Tank 23	74.4	13.6	2.0	4'-0" EL	6448
24	Bilge Holding	103.5	-13.0	1.5	3'-0" EL	3588
25	Void Tank 25	103.5	13.0	1.5	3'-0" EL	3588
26	Void Tank 26	93.5	-38.0	2.0	4'-0" EL	4128
27	Void Tank 27	93.5	38.0	2.0	4'-0" EL	4128

SYMBOL	DESCRIPTION
W.T BHD	WATER TIGHT BULK HEAD
N.T BHD	NON TIGHT BULK HEAD

CLIENT REV.	GPMC REV.	ISSUE DATE	REASON FOR ISSUE	MOD'D BY	CHECKED BY	APPROVED BY
-	0	17/10/2012	ISSUED FOR SUBMISSION	IBK	PMR	DPV

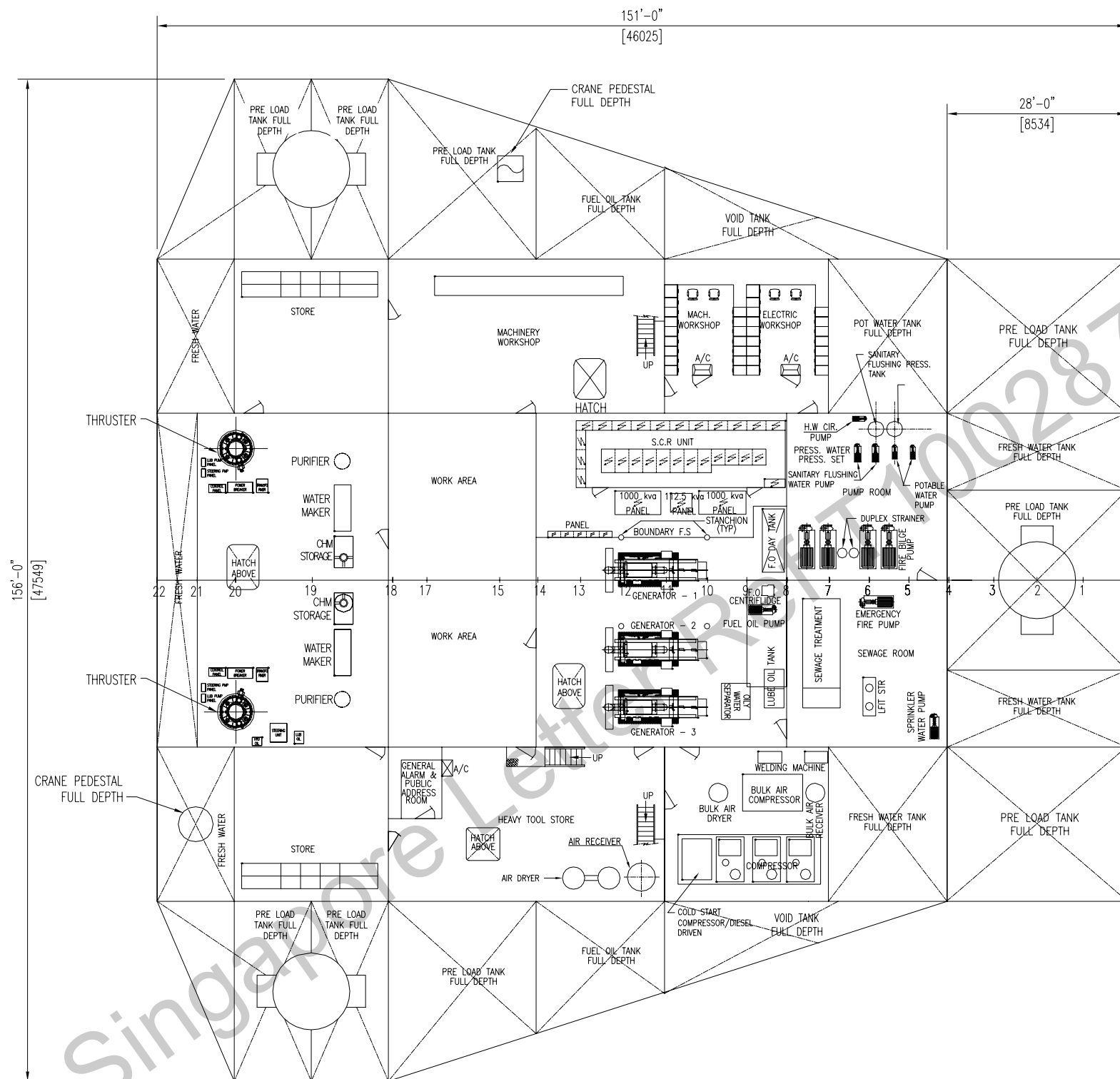
Client: DELTA/ATLANTIC NAVIGATION FZE. Project: DELTA 22 UPGRADATION

GREEN PALM MARINE CONSULTANCY, FZE  
P.O. Box 65736, Fairmont Towers, Suite 712, DUBAI, UAE.  
Mob: (+971) 50 8351495, Tel: (+971) 4 3067245  
Email: gpmc.gul@gmail.com

Project Number: 3082 Client Document Number: -

**TANK PLAN**  
INNERBOTTOM(EL. @ 4')

GPMC DRAWING No. GPMC/3082/2A/DG/12.5.0 1/1 GPMC Revision 0



MAIN DECK TANK PLAN

NOTES:-  
1. ALL THE DIMENSIONS ARE IN FEET-INCH, U.N.O

HULL DIMENSIONS  
LENGTH (MLD) - 151'-0"  
BREADTH (MLD.) - 156'-0"  
DEPTH (MLD.) - 18'-0"



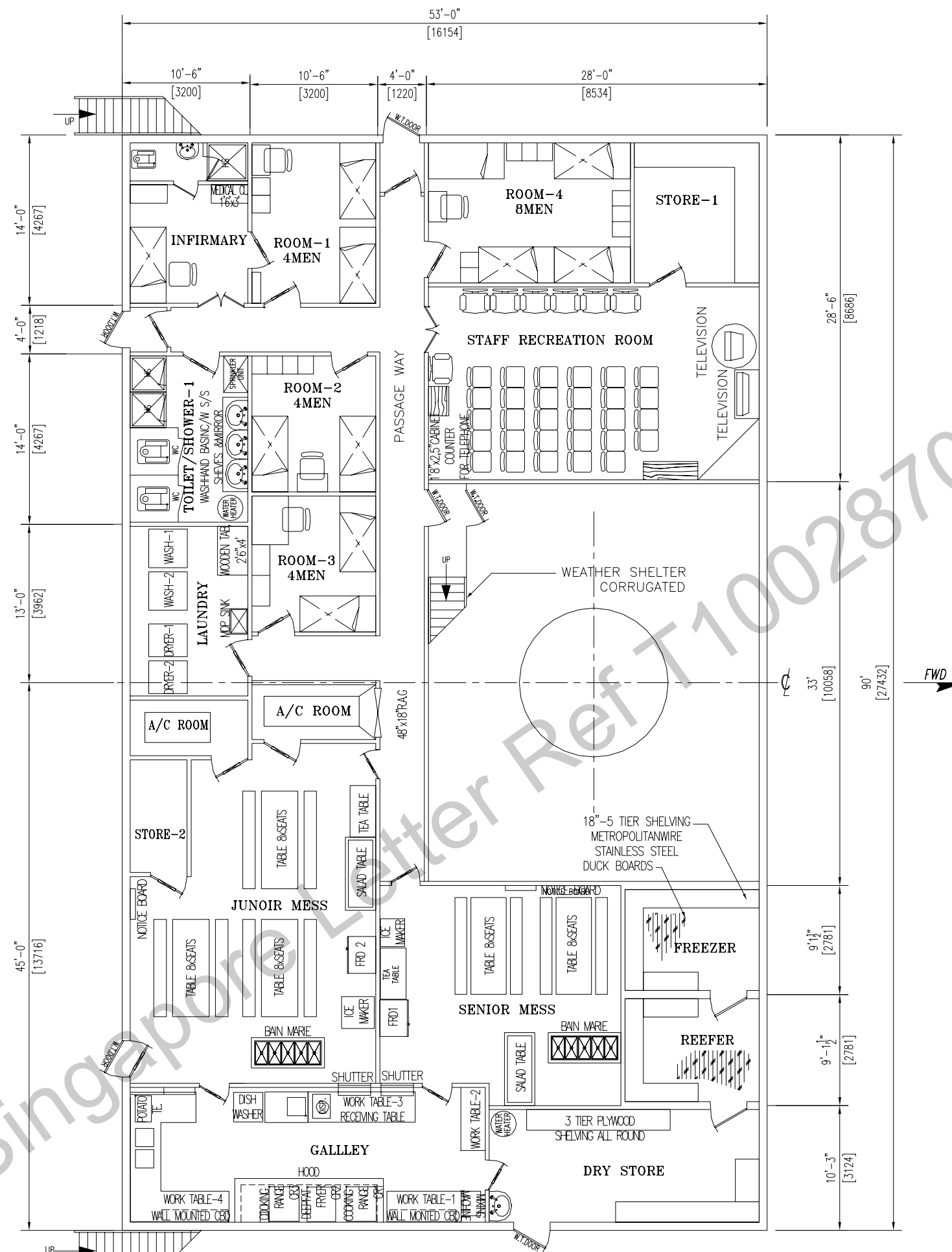
Tank No:	Description	LCG ft	TCG ft	VCG ft	Depth ft	Disp: kips
1	Preload Tank 1	14.0	38.0	9.0	18'-0" EL	763
2	Preload Tank 2	14.0	-38.0	9.0	18'-0" EL	763
3	Preload Tank 3	14.0	0.0	9.0	18'-0" EL	733
4	Preload Tank 4	104.3	-62.2	9.0	18'-0" EL	619
5	Preload Tank 5	103.9	62.4	9.0	18'-0" EL	602
6	Preload Tank 6	120.1	-64.0	9.0	18'-0" EL	312
7	Preload Tank 7	120.1	64.0	9.0	18'-0" EL	312
8	Preload Tank 8	137.6	-62.4	9.0	18'-0" EL	517
9	Preload Tank 9	137.6	62.4	9.0	18'-0" EL	517
10	Drill/Fresh Water 10	42.4	-38.0	7.4	4'-0" EL	647
11	Drill/Fresh Water 11	42.4	38.0	7.4	4'-0" EL	647
12	Drill/Fresh Water 16	14.0	-20.0	9.0	4'-0" EL	369
13	Drill/Fresh Water 17	14.0	20.0	9.0	4'-0" EL	369
16	Potable Water 12	127.0	-38.0	2.0	18'-0" EL	144
17	Potable Water 13	127.0	38.0	2.0	18'-0" EL	144
28	Fresh Water 28	147.9	0.00	9.0	18'-0" EL	350
30	Fresh Water 30	145.0	-38.00	9.0	18'-0" EL	324
31	Fresh Water 31	145.0	38.28	9.0	18'-0" EL	309
14	Fuel Oil 14	82.6	-58.9	9.0	18'-0" EL	337
15	Fuel Oil 15	82.6	58.9	9.0	18'-0" EL	337
	FO Day Tank	58.2	-4.9			
	LO Tank For Generator	58.2	16.9			
	LO Tank For Steering	128.9	24.5	15.3		0.39
	Hyd.Oil	135.5	25.1	5.7		0.18
24	Bilge Holding	103.5	-13.0	1.5	3'-0" EL	
29	Waste Oil Tank 29	56.1	8.3	2.0	4'-0" EL	22.20
18	Void Tank 18	57.3	-54.7	9.0	18'-0" EL	11405
19	Void Tank 19	57.3	54.7	9.0	18'-0" EL	11405
20	Void Tank 20	40.5	-13.0	2.0	4'-0" EL	2600
21	Void Tank 21	40.5	13.0	2.0	4'-0" EL	2600
22	Void Tank 22	72.5	-13.0	2.0	4'-0" EL	6448
23	Void Tank 23	74.4	13.6	2.0	4'-0" EL	6448
24	Bilge Holding	103.5	-13.0	1.5	3'-0" EL	3588
25	Void Tank 25	103.5	13.0	1.5	3'-0" EL	3588
26	Void Tank 26	93.5	-38.0	2.0	4'-0" EL	4128
27	Void Tank 27	93.5	38.0	2.0	4'-0" EL	4128

SYMBOL	DESCRIPTION
W.T BHD	WATER TIGHT BULK HEAD
N.T BHD	NON TIGHT BULK HEAD

0	19/01/13	ISSUED FOR REVIEW	PMR	SMS	DPV	
CLIENT REV.	GPMC REV.	ISSUE DATE	REASON FOR ISSUE	DRAWN BY	CHECKED BY	APPROVED BY
Client DELTA /ATLANTIC NAVIGATION FZE.		Project DELTA 22 UPGRADATION				
Project Number 3082		Client Document Number -		Client Revision -		
TANK PLAN (EL. @ 18')			Scale N.T.S		3rd Angle	
GPMC DRAWING No. GPMC/3082/2A/DG/12.6.0		1/1		GPMC Revision 0		

See ABS Singapore





**MAIN DECK PLAN**  
 (8 MEN x1 CABIN, 4 MEN x 3 CABINS)

**LAYOUT DETAILS (MAIN DECK)**

ROOM NO.	DESIG.	BEDS	DESKS	CHAIRS	LOCK.	T/S	ft <sup>2</sup> *
INFIRMARY	-	1	1	1	2	T/S	93.90
1	MEDICS	4	1	1	2	-	133.86
2	-	4	1	1	4	-	113.52
3	-	2	1	1	2	-	113.52
4	CATERING	8	1	1	8	-	190.70
<b>TOTAL</b>		<b>19</b>	<b>5</b>	<b>5</b>	<b>18</b>		

\* T/S NOT INCLUDED

STAFF REC. ROOM	-	-	-	36	2	-	430.13
STORE-1	-	-	-	-	-	-	117.87
LAUNDRY	-	-	1	-	-	-	134.85
STORE-2	-	-	-	-	-	-	342.05
GALLEY	-	-	-	-	-	-	323.26
DRY STORE	-	-	-	-	-	-	323.26
COLD STORE	-	-	-	-	-	-	323.26
JUNIOR MESS	-	-	3	24	-	-	508.21
SENIOR MESS	-	-	2	16	-	-	342.05
T/S	-	-	-	-	-	-	132.11
FRZEEZER	-	-	-	-	-	-	91.25
REFEER	-	-	-	-	-	-	93.08
<b>TOTAL</b>			<b>6</b>	<b>76</b>	<b>2</b>		

**EQUIPMENT DETAILS**

WASH MACHINE	WSH1	MILNOR, MODEL 300-15 N 48/ACC, 35 LBS
WASH MACHINE	WSH2	MILNOR, MODEL 300-15 N 48/ACC, 35 LBS
DRYER	DRY1	SPEED QUEEN DRIER, MODEL 37 CE, 30 KW
DRYER	DRY1	SPEED QUEEN DRIER, MODEL 37 CE, 30 KW
COOKING RANGE	CR1	ALUMINOX, MODEL GELM 72, 8.4 KW, 440 V
COOKING RANGE	CR2	ALUMINOX, MODEL FRE 720, 14 KW, 440 V
COOKING RANGE	CR3	ALUMINOX, MODEL K/14M,17 KW, 440 V
FRIDGE 1	FRD 1	MODEL C 25 -T, 18 CU FT, 230-460 V.
FRIDGE 2	FRD 2	MODEL C 25 -T, 18 CU FT, 230-460 V.
ICE MAKER		ICE SCOTSMAN, MODEL BDO152 A, 230V (SR MESS)
ICE MAKER		ICE SCOTSMAN, MODEL AC 85,230V (JR MESS)

**TOTAL POB, MAIN DECK LEVEL = 18**

CLIENT REV.	GPMC REV.	ISSUE DATE	REASON FOR ISSUE	MOD'D BY	CHECKED BY	APPROVED BY
-	0	19/01/13	ISSUED FOR REVIEW	RPR	SMS	DPV

Client: DELTA /ATLANTIC NAVIGATION FZE. Project: DELTA 22 UPGRADATION

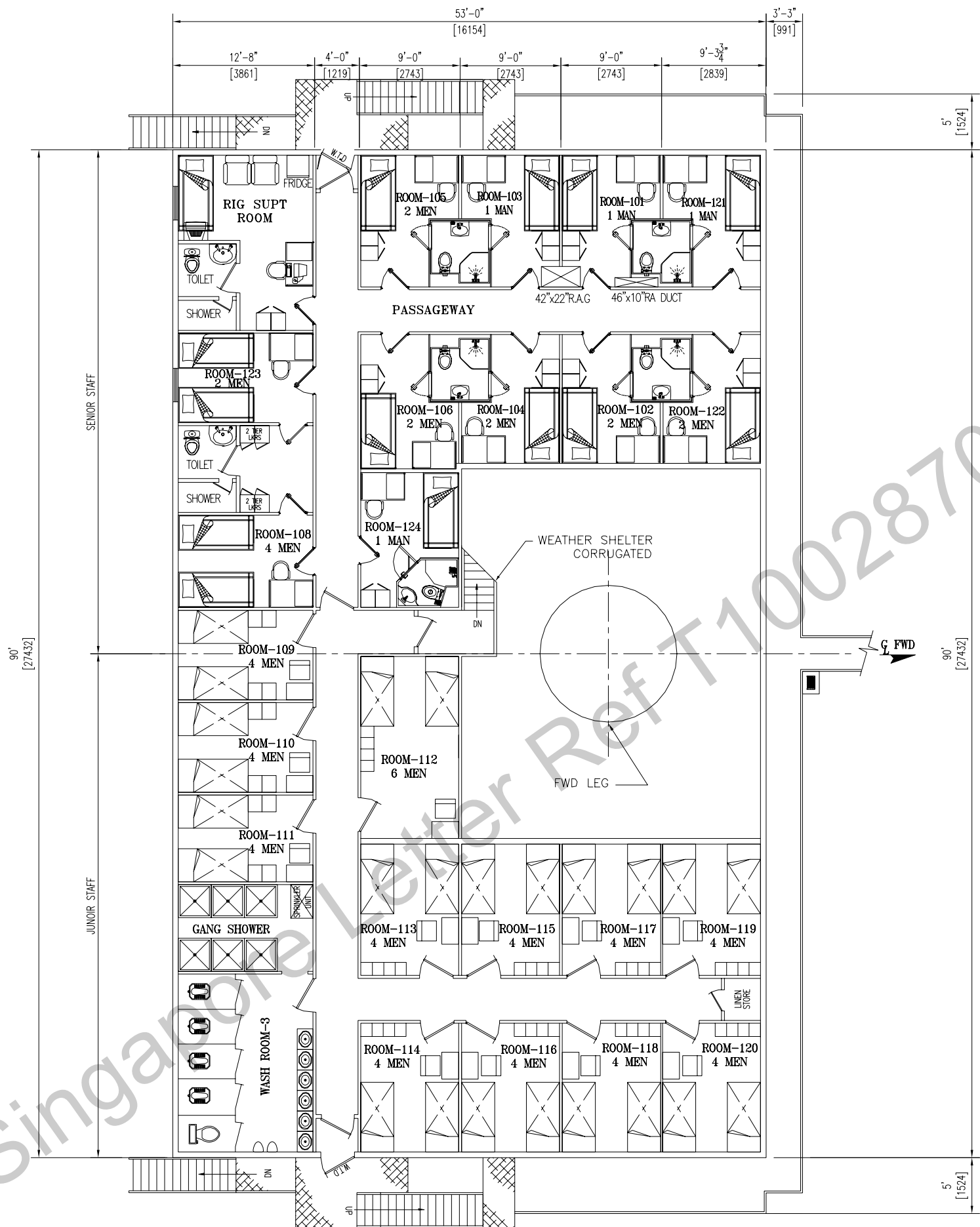
**GREEN PALM MARINE CONSULTANCY, FZE**  
 P.O. Box 65736, Fairmont Towers, Suite 712, DUBAI, UAE.  
 Mob: (+971 50 6351495, Tel: (+971 4 3067245  
 Email: gpmc.gul@gmail.com

Project Number: 3082 Client Document Number: -

**QUARTERS ARRANGEMENT**  
**MAINDECK LEVEL**

GPMC DRAWING No. GPMC/3082/2A/DG/12.7.1 1/3

See ABS Singapore Letter Ref T1002870 Dated 25/01/13



LAYOUT DETAILS (01 LEVEL)

ROOM NO.	DESIG.	BEDS	DESKS	CHAIRS	LOCK.	T/S	ft <sup>2</sup> *
101	-	2	1	1	2	-	100.38
102	-	4	1	1	4	-	101.11
103	-	4	1	1	4	-	100.38
104	-	4	1	1	4	-	101.11
105	-	2	1	1	2	-	100.38
106	-	2	1	1	-	-	105.44
SER CO. OFF.	-	-	1	3	-	-	103.27
T/P OFFICE	TOOL PUSHER	1	3	4	1	T/S	137.71
C.M OFFICE	COMPANY MAN	1	3	3	1	T/S	141.60
108	GUEST	2	1	1	2	-	95.27
109	-	4	1	1	4	-	92.36
110	-	4	1	1	4	-	92.36
111	-	4	1	1	4	-	89.36
112	-	6	1	1	6	-	140.83
113	-	4	1	1	4	-	104.72
114	-	4	1	1	4	-	102.55
115	-	4	1	1	4	-	104.72
116	-	4	1	1	4	-	102.55
117	-	4	1	1	4	-	104.72
118	-	4	1	1	4	-	102.55
119	-	4	1	1	4	-	104.72
120	-	4	1	1	4	-	102.55
<b>TOTAL</b>		<b>72</b>	<b>26</b>	<b>29</b>	<b>72</b>		

\*T/S NOT INCLUDED  
**TOTAL POB, 01 LEVEL = 72**

CLIENT REV.	GPMC REV.	ISSUE DATE	REASON FOR ISSUE	MOD'D BY	CHECKED BY	APPROVED BY
-	0	19/01/13	ISSUED FOR REVIEW	RPR	SMS	DPV

Client: DELTA /ATLANTIC NAVIGATION FZE. Project: DELTA 22 UPGRADATION

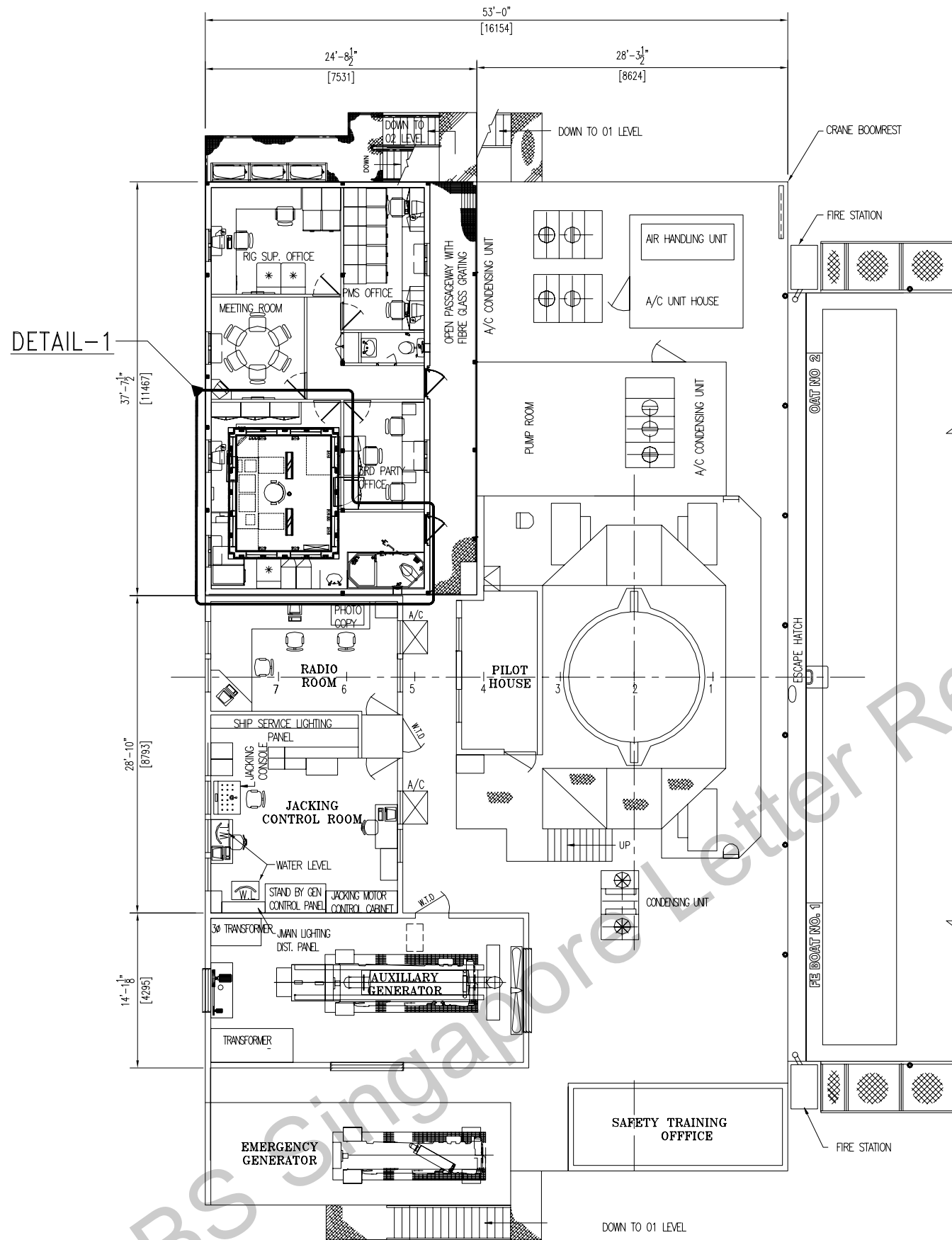
GREEN PALM MARINE CONSULTANCY, FZE  
 P.O. Box 65736, Fairmont Towers, Suite 712, DUBAI, UAE.  
 Mob: (+971 50 6351495, Tel: (+971 4 3067245  
 Email: gpms.gul@gmail.com

Project Number: 3082 Client Document Number: -

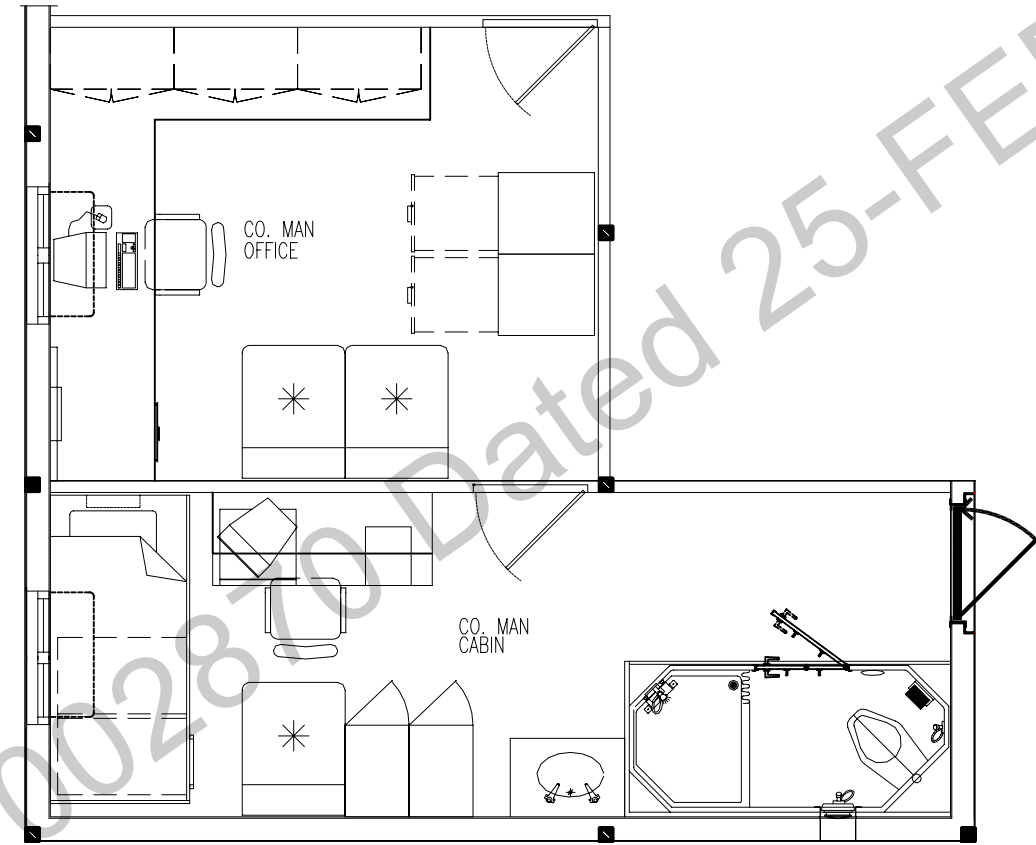
Scale: N.T.S  
 3rd Angle  
 Format: A3  
 GPMC Revision: 0

GPMC DRAWING No. GPMC/3082/2A/DG/12.7.2 2/3

LEVEL-1  
 (1MAN x 4 CABINS, 2 MEN x 6 CABINS,  
 4 MEN x12 CABINS, 1MAN X6 CABINS)

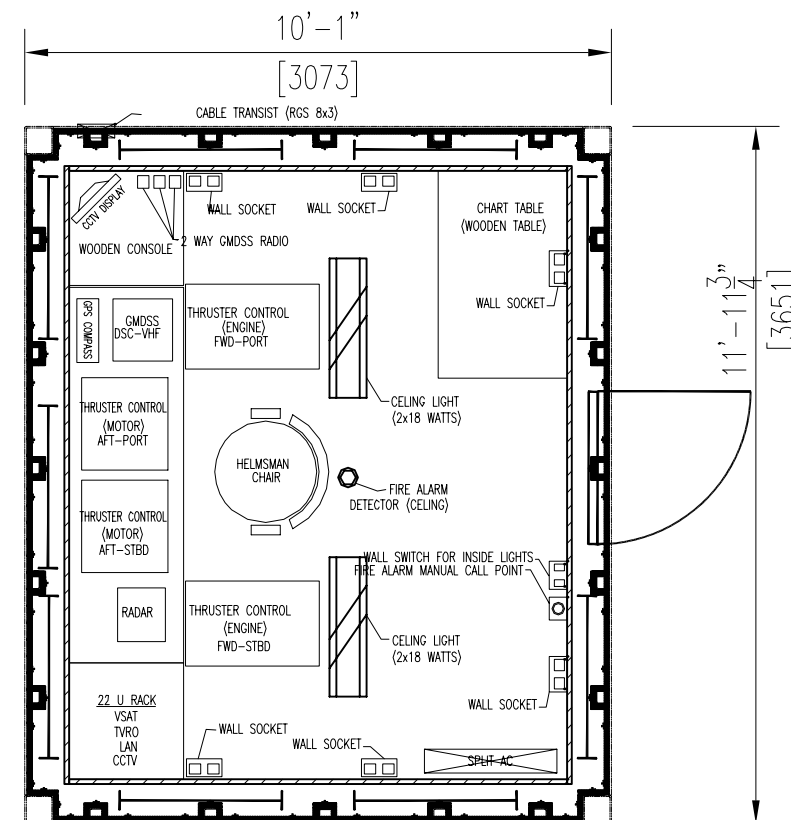


TOP PLAN



COMPANY MEN OFFICE & CABIN

DETAIL-1  
N.T.S



THRUSTER CONTROL ROOM LAYOUT  
(TOP OF THE COMPANY MAN OFFICE & CABIN)

CLIENT REV.	GPMC REV.	ISSUE DATE	REASON FOR ISSUE	MOD'D BY	CHECKED BY	APPROVED BY
-	0	19/01/13	ISSUED FOR REVIEW	RPR	SMS	DPV

Client DELTA /ATLANTIC NAVIGATION FZE.	Project DELTA 22 UPGRADATION
---	---------------------------------

<b>GREEN PALM MARINE CONSULTANCY, FZE</b> P.O. Box 65736, Fairmont Towers, Suite 712, DUBAI, UAE. Mob: (+971 50 6351495, Tel: (+971 4 3067245 Email: gpmc.gul@gmail.com		THIS DOCUMENT IS FURNISHED TO THE RECIPIENT SOLELY FOR USE IN CONNECTION WITH THE PROJECT AND IS TO BE HELD IN CONFIDENCE.
--	--	---

Project Number 3082	Client Document Number -	Client Revision -
------------------------	-----------------------------	----------------------

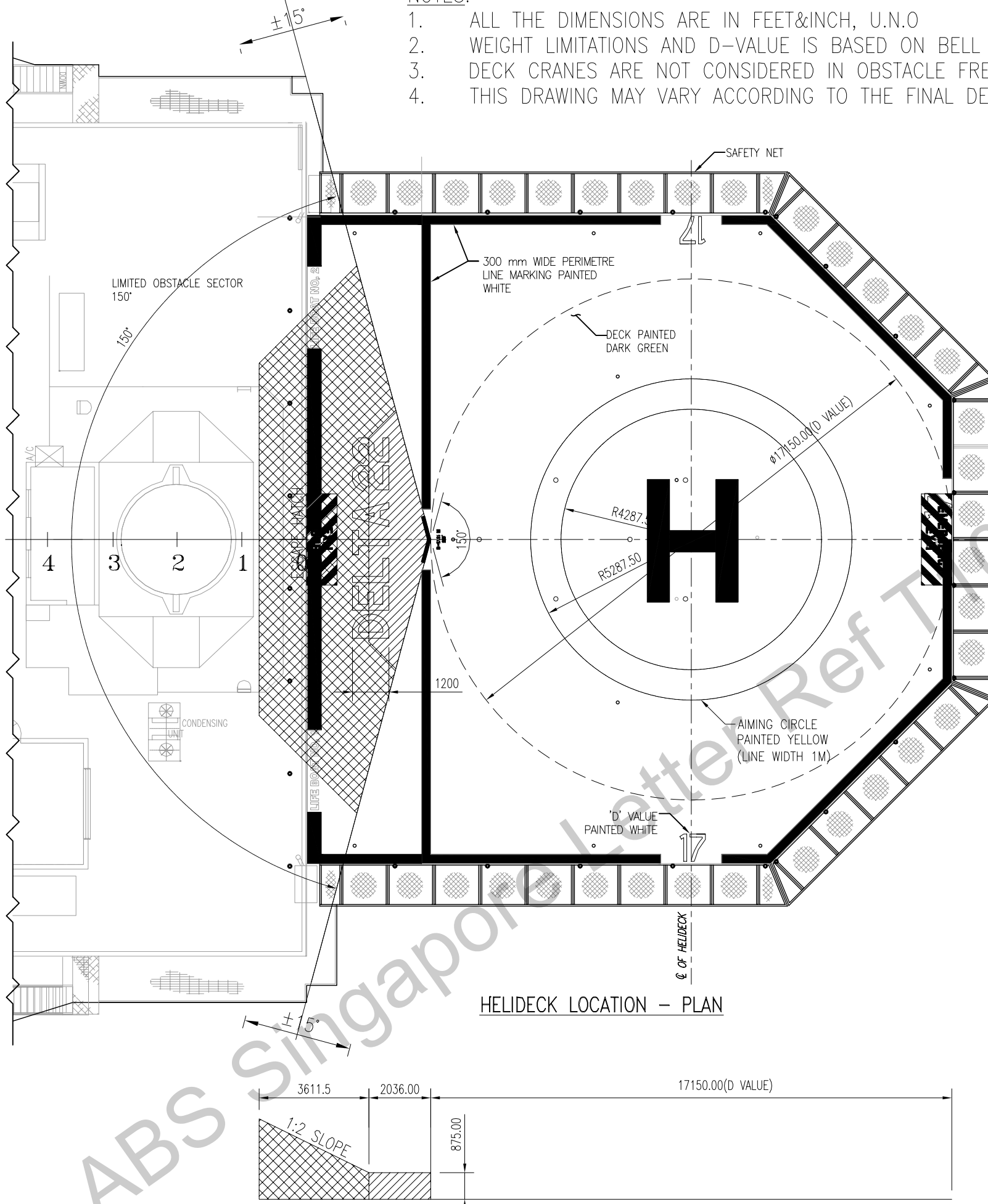
ACCOMMODATION LAYOUT LEVEL-02 (CONTROL ROOM + RADIO ROOM)		Scale N.T.S 3rd Angle  Format A3 GPMC Revision 0
--	--	---

GPMC DRAWING No. GPMC/3082/2A/DG/12.7.3	3/3
--	-----



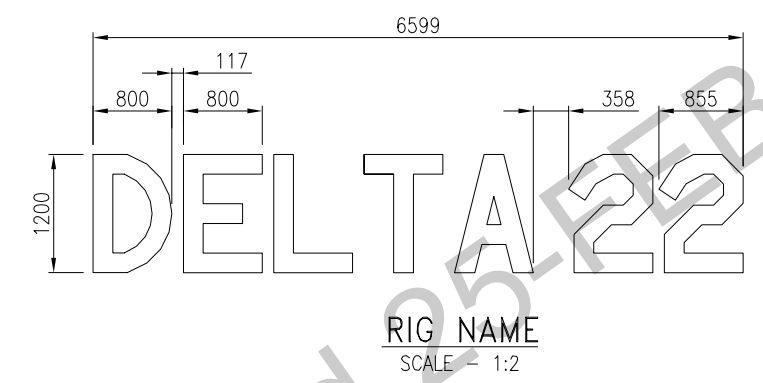
NOTES:-

1. ALL THE DIMENSIONS ARE IN FEET&INCH, U.N.O
2. WEIGHT LIMITATIONS AND D-VALUE IS BASED ON BELL 212 HELICOPTER.
3. DECK CRANES ARE NOT CONSIDERED IN OBSTACLE FREE SECTOR.
4. THIS DRAWING MAY VARY ACCORDING TO THE FINAL DESIGN.

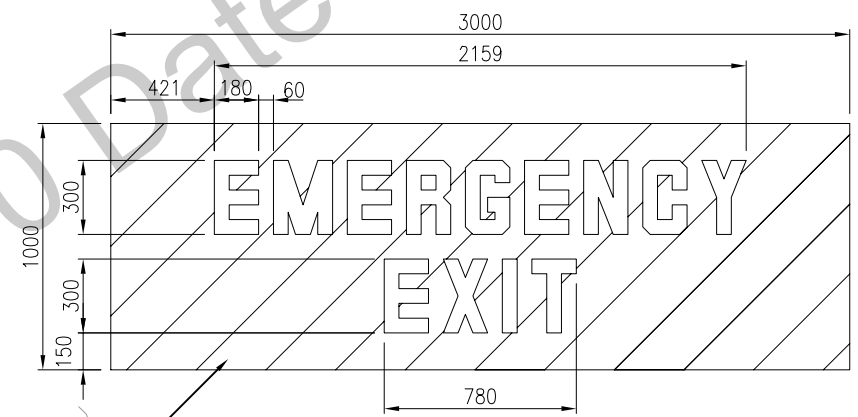


HELIDECK LOCATION - PLAN

OBSTACLE HEIGHT LIMIT



RIG NAME  
SCALE - 1:2

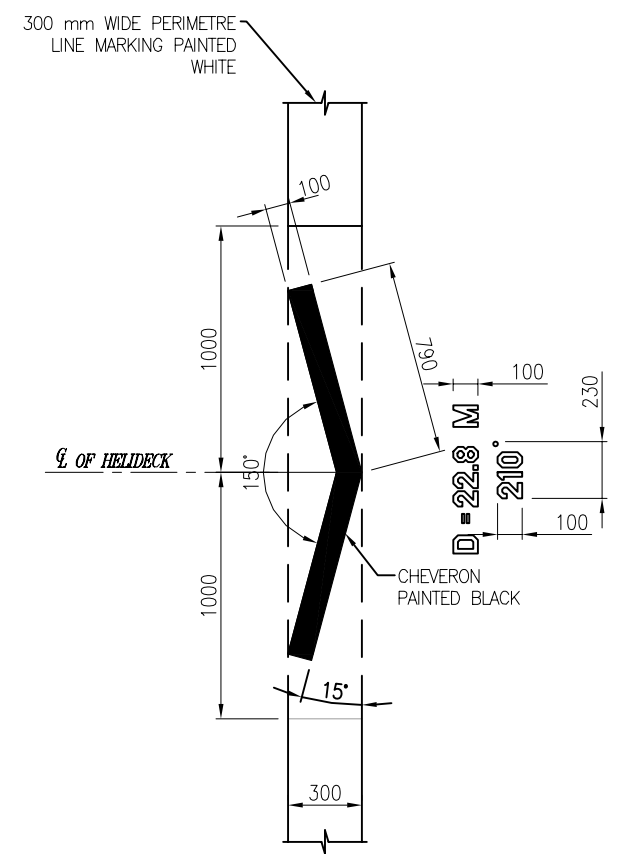


EMERGENCY EXIT MARKING  
SCALE - 1:5

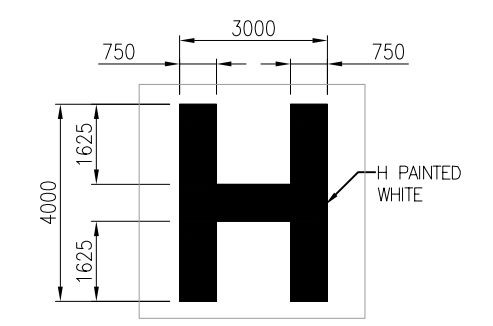
FWD →

CL OF RIG

PAINT "EMERGENCY EXIT" IN BLACK, SURROUNDED BY RED & WHITE 150mm WIDE HATCHING.




CHEVRON DETAIL




'H' MARKING PAINTED WHITE

CLIENT REV.	GP/MC REV.	ISSUE DATE	REASON FOR ISSUE	DRAWN BY	CHECKED BY	APPROVED BY
-	0	19/01/13	ISSUED FOR SUBMISSION	JTM	RVM	DPV

Client DELTA GROUP FZE.	Project DELTA 22
----------------------------	---------------------

 <b>GREEN PALM MARINE CONSULTANCY, FZE</b> P.O. Box 65736, Fairmont Towers, Suite 712, DUBAI, UAE. Mob: (+971 50 6351495, Tel: (+971 4 3067245 Email: gpmc.gul@gmail.com		<small>THIS DOCUMENT IS FURNISHED TO THE RECIPIENT SOLELY FOR USE IN CONNECTION WITH PROJECTS AND IS TO BE HELD IN CONFIDENCE.</small>
--	--	--

Project Number 3082	Client Document Number -	Client Revision -
------------------------	-----------------------------	----------------------

<b>HELIDECK ARRANGEMENT &amp; MARKING PLAN</b>	
Scale N.T.S	3rd Angle 
Format A3	GP/MC Revision 0

GP/MC DRAWING No. GP/MC/3082/2A/DG/12.8.0	1/1
--	-----