



## FPSO BARGE

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**ENERGY TRANSFER SERVICES INC. – ST. LUCIA**

Website: [www.FPSObarge.com](http://www.FPSObarge.com)

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## OUTLINE SPECIFICATION

### GENERAL

|                     |               |
|---------------------|---------------|
| Vessel Names        | EAGLE II      |
| Built/ Year         | 2001          |
| Flag / POR          | Port of Spain |
| Class               |               |
| Official No.        | TT 30015      |
| Call Sign           | 9ZFA2         |
| IMO No.             | N/A           |
| Gross Tonnage       | 908           |
| Net Tonnage         | 439           |
| Deadweight (summer) |               |

### DIMENSIONS APPROX.

|                  |              |
|------------------|--------------|
| Length OA        | 43.89 metres |
| Breadth mid.     | 18.29 metres |
| Depth mid.       | 4.60 metres  |
| Draught (summer) | 2.617 metres |

### CARGO DECK

|                       |  |
|-----------------------|--|
| Sheathed Deck Area    |  |
| Clear Sheathhead Deck |  |
| Clear Sheathhead Area |  |
| Deck Strength         |  |
| Deck Load             |  |

### CARGO CAPACITIES APPROX.

|                 |                                    |
|-----------------|------------------------------------|
| Crude Oil Cargo | 10,000 bbl. - 8 tanks (below deck) |
| Potable Water   | 4,200 gal                          |
| Diesel Storage  | 4,000 gal                          |
| Slop Tank       | 300 bbl.                           |

### CARGO PUMPING

|                 |                          |
|-----------------|--------------------------|
| Crude Oil Cargo | 27,000 gal/ hr.          |
| Potable Water   | 2 x 2" centrifugal pumps |
| Diesel Fuel     | 2 x 2" centrifugal pumps |

### STABILISATION

|            |                                 |
|------------|---------------------------------|
| Wing Tanks | 4 independent tanks - starboard |
|            | 4 independent tanks - port      |
| Fwd. Rake  | 30' x 50'                       |
| Aft Rake   | 30' x 50'                       |

### DECK EQUIPMENT

|                                      |                                                             |
|--------------------------------------|-------------------------------------------------------------|
| Generators                           | 150 kW John Deere JI50U-V Engine                            |
|                                      | 500 kW Doosan D400U-IV Engine                               |
| Transformer                          | 440 V to 220 V/ 75 amps                                     |
| Generator Transfer Panel             |                                                             |
| Compressors                          | Piston type Curtus Toledo                                   |
|                                      | Rotary type Schulz                                          |
| Deck Crane                           | 3-Section M977 Telescopic Crane                             |
| Mooring Winch                        | Dual Drum - Fwd. and Aft                                    |
| Marine Sanitation Device             | 12-man                                                      |
| Water Maker                          | 100 gph Reverse Osmoses                                     |
| 2- Stage Gas Compressor              | Superior White Engine                                       |
| Production Separator                 | 20' x 7', 3-Stage, 125 psi with Heat Exchanger              |
| Heat Medium                          | 200 kW Heat Medium / 220° F                                 |
| Diaphragm pumps                      | 3 x 2"                                                      |
| Program Logical Control System (PLC) |                                                             |
| Workshop machines and tools          |                                                             |
| Store room                           |                                                             |
| Calibration tanks                    | 150 bbl. x 2                                                |
| Air Receiver                         | 4' X 12'                                                    |
|                                      | 21-Stage Fisher Cargo Pumps x 2                             |
|                                      | 300 gpm, 900 psi, powered by Detroit Diesel 6V-92TA engines |
| Cargo Pumps                          |                                                             |

### BRIDGE

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Human Machine Interface (HMI) |                                             |
| VHF Marine Radio              | ICOM VHF x 2 with Digital Selective Calling |
| VHF Hand Portables            |                                             |
| Internal Communications       | Public Address System                       |
| EPIRB / SART                  | EPIRB ACR Global Fix V4                     |
| Gas Detection Display         |                                             |
| Fie Alarm Display             |                                             |
| Emergency Shut Down           | Inlet and Gas Compressor                    |
| Vessel and Equipment Manuals  |                                             |
| Desktop Computer with Printer |                                             |
| CCTV Cameras and Recorder     |                                             |

### ACCOMMADATION AND WELFARE

|                         |                                                |
|-------------------------|------------------------------------------------|
| Sleeping quarters       | 6 person                                       |
| Crew Mess               |                                                |
| Galley                  | Cold Storage, Microwave, Stove, pantry storage |
| Air Condition Units     | 3                                              |
| Toilets                 | 2                                              |
| Bath/ Shower            | 1                                              |
| Laundry appliances      | Washing Machine and Dryer                      |
| Water Heater            |                                                |
| Water Filtration System |                                                |

### SAFETY EQUIPMENT

|                              |                                                       |
|------------------------------|-------------------------------------------------------|
| Emergency Shut Down Controls |                                                       |
| Fixed Gas Detection System   | LEL, H <sub>2</sub> S Gas Detectors and Display Panel |
| Fire Alarm System            | Panel, strobe lights, smoke detector, pull stations   |
| Fire Plan                    |                                                       |
| Smoke Detectors              | in all living spaces                                  |
| Eye Wash Station             |                                                       |
| Shower and Eye Wash Starion  |                                                       |
| Universal Spill Kit          |                                                       |
| Pressure Relief Valves       | Each pressure vessel                                  |

### LIFESAVING EQUIPMENT

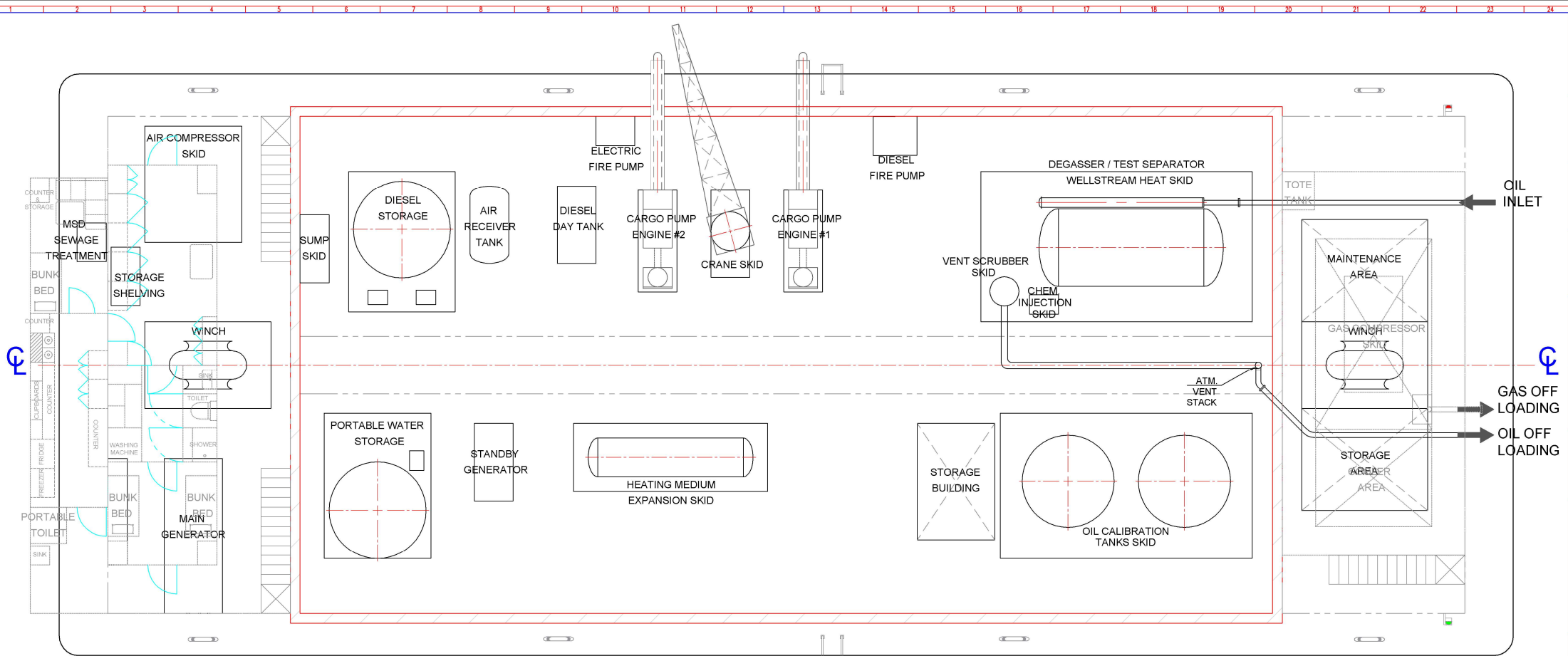
|                        |                                              |
|------------------------|----------------------------------------------|
| Face Rescue Boat       | 6 man Rescue RIB 18 ft, 15hp                 |
| Life Saving Appliances | 6 man Inflatable Life Raft                   |
|                        | 6 man Rigid Rafts x 2                        |
|                        | Life Jackets x 22 with lights and whistles   |
|                        | Life Rings x 8 with 100 ft rope each, lights |

### FIRE FIGHTING EQUIPMENT

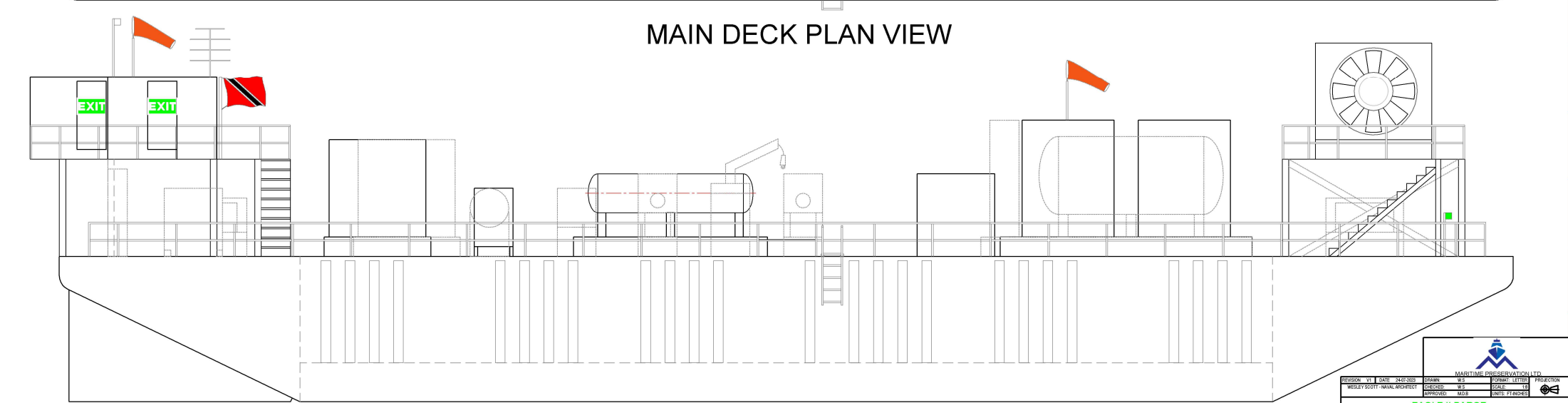
|                             |                                             |
|-----------------------------|---------------------------------------------|
| Wheeled Fire Extinguishers  | 3 x 100 lb. DC                              |
| Handheld Fire Extinguishers | 29 - combination of ABC and CO <sub>2</sub> |
| Snuffing System             | 2 x 100lb CO <sub>2</sub> Cylinders         |
| Primary Fire Pump 3"        | Electrical                                  |
| Secondary Fire Pump 4 "     | Diesel                                      |
| Fire Hose Stations x 5      | Water and Foam                              |
| Deluge System (Station 5)   | Water and Foam                              |
| Fire Suit x 2               | Complete                                    |
| Fire Man Axe                | 3.5 lb.                                     |
| SCBA x 7                    | 30 min                                      |

### Medical and First Aid

|                          |  |
|--------------------------|--|
| Medical Oxygen with Mask |  |
| First Aid Kit            |  |
| Basket Stretcher         |  |



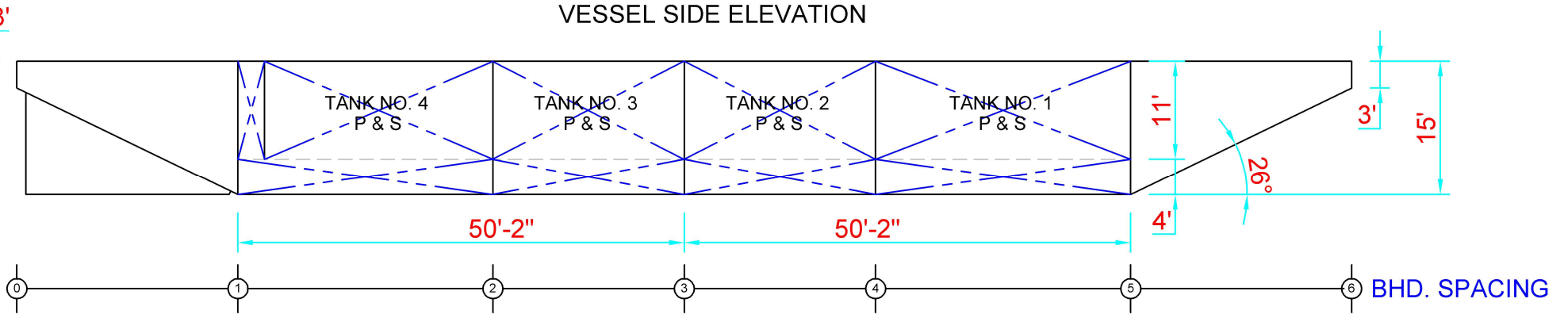
MAIN DECK PLAN VIEW



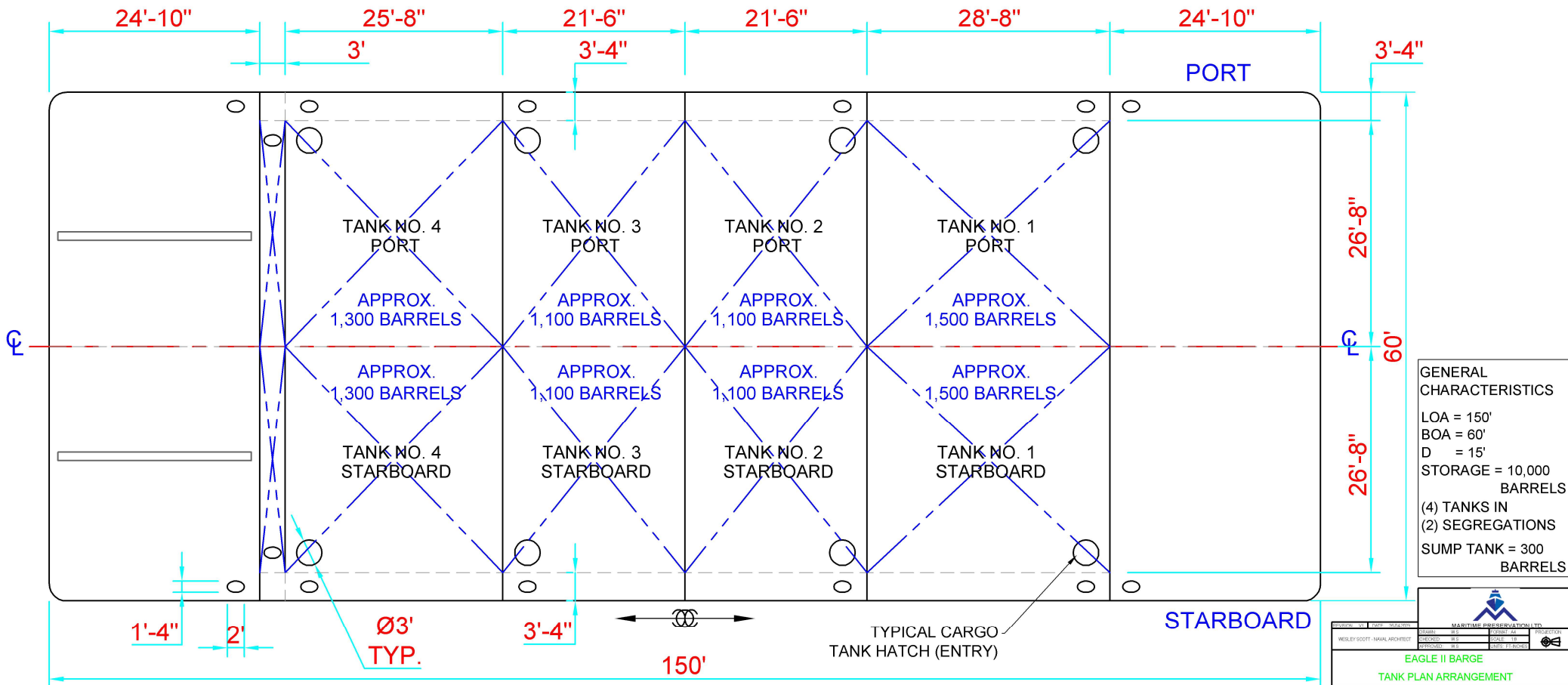
PROFILE VIEW

|                                                                                       |  |  |  |                                                                                       |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|--|--|--|------------------|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |                                                                                       |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |
| DIVISION: 01                                                                          |  |  |  | DATE: 24/07/2020                                                                      |  |  |  | DRAWN: W.S.      |  |  |  |  |  |  |  |  |  |  |  |
| WELSHY SCOTT MARINE ENGINEERING                                                       |  |  |  | CHECKED: W.S.                                                                         |  |  |  | FORMAT: LETTER   |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                       |  |  |  | APPROVED: W.S.                                                                        |  |  |  | SCALE: 1:1       |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                       |  |  |  |  |  |  |  | SHEET: 1/1       |  |  |  |  |  |  |  |  |  |  |  |
| EAGLE II BARGE                                                                        |  |  |  |                                                                                       |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |
| GENERAL ARRANGEMENT                                                                   |  |  |  |                                                                                       |  |  |  |                  |  |  |  |  |  |  |  |  |  |  |  |
| DESIGN NO:                                                                            |  |  |  | TYPE: TUGT FPSO BARGE                                                                 |  |  |  | SERVED FROM DWG: |  |  |  |  |  |  |  |  |  |  |  |
| N/A                                                                                   |  |  |  | TWO: 1                                                                                |  |  |  | SHEET NO:        |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                       |  |  |  | CONTRACTOR: N/A                                                                       |  |  |  | 000-01-004       |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                       |  |  |  | TUGT NO: 1                                                                            |  |  |  | 1/1              |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                       |  |  |  | BUILDING NO:                                                                          |  |  |  | A                |  |  |  |  |  |  |  |  |  |  |  |

# VESSEL SIDE ELEVATION



# TANK ARRANGEMENT PLAN VIEW



**GENERAL CHARACTERISTICS**

LOA = 150'

BOA = 60'

D = 15'

STORAGE = 10,000 BARRELS

(4) TANKS IN

(2) SEGREGATIONS

SUMP TANK = 300 BARRELS

| MARITIME CORPORATION LTD. |                                |             |              |
|---------------------------|--------------------------------|-------------|--------------|
| DESIGNED BY               | WESLEY SCOTT - NAVAL ARCHITECT | DATE        | 10/10/2023   |
| CHECKED BY                | WESLEY SCOTT                   | DATE        | 10/10/2023   |
| APPROVED BY               | WESLEY SCOTT                   | DATE        | 10/10/2023   |
| EAGLE II BARGE            |                                |             |              |
| TANK PLAN ARRANGEMENT     |                                |             |              |
| TIME                      | BARGE                          | DESIGNED BY | WESLEY SCOTT |
| TEST NO.                  | N/A                            | TESTED BY   | MPL          |
| DATE                      | 10/10/2023                     | DATE        | 10/10/2023   |
| SHEET                     | 1/1                            | REVISION    | A            |