

# RAJABCO CARPENTRY WORKS L.L.C

MOBILE: 050-5424779, TEL: 02-554585

ABU DHABI, AL-AIN (U.A.E.)



## SPECIFICATION FOR FIRE RATED CABINS AS PER ABU DHABI CIVIL DEFENCE

### (SINGLE CABIN- FACTORY ASSEMBLED)

#### BRIEF DESCRIPTION

Each Unit is consisting of factory assembled Chassis, Roof, Ceiling, Floor, Sections, Doors, Windows, Sanitary and Electrical fittings, Internal Electrical & Plumbing

### CONSTRUCTION

#### 1. BASE FRAME

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| 1.1 | <b>SIZE: 120x65x6mm MS BEAMS</b><br>The G.I. Sections shall be having minimum yield strength of 346N/mm <sup>2</sup> and galvanized coating of 275g/m <sup>2</sup> and remain unpainted. |
| 1.2 | Lifting eyes are provided at intermediate points along the length of the I-Beams.  |
| 1.3 | The I-Beam shall be Wire brushed, cleaned, coated with 2 coat of Red Oxide Primer and painted with 1 coat of Alkyd Based Enamel Paint of Our Standard Color.                             |

#### 2. FLOOR

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| 2.1 | <b>FLOOR DECKING:</b> One Layer of 18mm Cement Board is fixed with Heavy Duty C.S.K. screws.   |
| 2.2 | <b>FLOOR FINISH:</b><br><b>DRY AREAS:</b> 1.6mm Thick Heavy Duty PVC Vinyl Tiles (30x30cm), Stormy Grey color is provided.<br><b>WET AREAS:</b> 1.6mm Thick Heavy Duty PVC Vinyl Sheet (Water Proof), Stormy Grey color is provided. |

#### 3. WALLS

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| 3.1 | <b>EXTERNAL FINISH:</b> External side of the frame shall be faced with 6mm Cement Board Painted with Weather proof Texture Paint.                        |
| 3.2 | <b>FRAMING:</b> Wall framing shall be LGS-Light Gauge steel framing of Size: 50mmx30mm- The wall frame shall be produced by Pinnacle LGS Framing System. |
| 3.3 | <b>INTERNAL FINISH IN DRY AREAS:</b> 12mm Thick Gypsum Board Finished with washable emulsion paint.  |
| 3.4 | <b>INTERNAL FINISH IN WET AREAS:</b> 6mm Thick Cement board with Oil Paint for Water Proofing.   |
| 3.5 | <b>WALL INSULATION:</b> 50mm Thick Thermocole or Glass Wool/Rock Wool with 12kg/m <sup>3</sup> Density.  |
| 3.6 | <b>WALL CORNERS:</b> Corners and Top shall be extremely protected by MS angle bolted into the Wall panels.   |



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<b>4. ROOF</b>	4.1	<b>TRUSSES</b> Shall be LGS-Light Gauge Steel Framing of Size: 25mmx25mm, The Roof Trusses Shall be produced by Pinnacle LGS Framing System. <b>ROOF</b> covering shall be Single Skin G.I. Profile Sheet with 0.6mm Thickness shall be fixed upon Purlins of G.I. Furring channel with self-tapping screw.
	4.2	Roof will have a Two Sided slope or single side as per Client request and Angled to Enable Water shed. (Our standard Two side slopes)
<b>5.CEILING</b>	5.1	<b>FRAME:</b> Ceiling frame shall be made with G.I. Furring Channel. <b>DRY AREA:</b> The ceiling is made of 6mm or 9mm Core thick pre painted Gypsum Tile (60x60cm), Plane color or Islamic. <b>WET AREA:</b> The ceiling is made of 6mm Core thick pre painted Gypsum Tile (60x60cm), Plane Color.
<b>6. DOORS</b>	6.1	<b>EXTERNAL ENTRANCE DOOR:</b> Size. 90x200cm Aluminum Type. <b>INTERNAL ROOM DOORS:</b> Size. 90x200cm Aluminum Type.
	6.2	<b>KITCHEN &amp; TOILET DOORS:</b> Size. 70x200cm Aluminum Type.
<b>7.WINDOWS &amp; EXHAUST FAN</b>	7.1	<b>WINDOWS:</b> Powder Coated Window frame of Size. 90x90cm, made up of silver anodized Aluminum with Horizontal Slider (one fixed, one sliding) with insect screen and 6mm thick Clear glass.
	7.2	<b>EXHAUST FAN:</b> Fixed Frame, 6mm thick Ply with Aluminum Frame Size: 40x40cm, Diameter for Exhaust fan is 6".
<b>8. ELECTRICAL</b>	8.1	Electrical Single Phase 220/240V or Three Phase 380/415V, 50Hz as per the requirement is provided. Electrical Panel board shall be provided with ELCB incomer and MCB outgoing.
	8.2	Panel (DB) provided with All breakers & ELCB, with standard specifications (DEWA, ADEWA, SEWA & FEWA). PVC conduits are concealed within the wall panels for wiring.
	8.3	1.20m (1x36W) or (2x36W) Fluorescent light fittings are provided as per the requirement.
	8.4	Water Proof LED light is provided for External Doors.
<b>9. HVAC/ ACCESSORIES</b>	9.1	Power outlets shall be provided for Window type AC unit & Isolator (35Amps) for Split type
	9.2	Steel brackets are provided for Window type AC.
	9.3	13Amps Power wall Sockets 2Nos. are provided in each room or as per the Drawing.



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<b>10. PLUMBING &amp; SANITARY</b>	10.1	All Water Supply lines are in PPR, Hot water Supply Lines are also in PPR.
	10.2	WC will be European or Asian as per the requirement. Wash Basin will be of European Standard along with Mirror.
	10.3	If Shower is Needed GRP Shower Tray of Size: 80x80cm shall be provided.
	10.4	12Gallon (50liter) Electric water heater is provided if needy.
<b>11. KITCHEN (If Included)</b>	11.1	Steel Sink Single bowl, Aluminum Kitchen Cabinet under the Sink with Marble Stone on top.

<b>WARRANTY</b>	<p>Our Cabins comes with two years warranty against any manufacturing defects and water leakage. Damage to any part of the unit due to bad quality or any workmanship defects will be rectified by replacing or repairing. Warranty becomes void and null in case of damage is caused due to natural calamity of any kind of misuse. AC's/Electrical items cover only manufacturer's warranty and these are not covered under our company's warranty. Bulbs, Rods, Flexible pipes, Exhaust fan &amp; Water heater are not covered under our company warranty.</p>
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**NOTE: Due to the regular introduction of new technology & Material, We reserve the right to improve our Specification as and when required to meet our Company policies without prior notice.**