



GROUND FLOOR PLAN
SCALE - 1:150

Safety Area : RUBBERIZED WHITE FLOORING (Wide: 2000mm or more)
 ARTIFICIAL TURFING

| Specification | | | |
|--|---|--|-------------------|
| 1. General Outline | | | |
| 1) Project: FuwaFuwa Dome | | | |
| 2) Address: | | | |
| 3) Scale: | | | |
| Area | DOME-1 | 540.0 m ² | |
| | DOME-2 | 97.0 m ² | |
| | TOTAL | 637.0 m ² | |
| Heightest Point | DOME-1 | 2.0 m | |
| | DOME-2 | 1.6 m | |
| 2. Membrane | | | |
| 1) Material | | Polyester | |
| Coating | | Vinyl Chloride | |
| NAME | Specified Strength (N/cm) (Lower Column: N/3cm) | | NOTE |
| KFA-200 | Warp: more than 653 (more than 1960) | Warp: more than 653 (more than 1960) | Internal Air Dome |
| KFA-400 | Warp: more than 1306 (more than 3920) | Fill: more than 1306 (more than 3920) | Covering Membrane |
| 2) Seam | | Heat Welding - Sewing | |
| Width | | 40mm | |
| 3) Edge | | Eyelet: SUS #6 | |
| Rope | | Polypropylene Rope | |
| 3. Support Pipe | | | |
| 1) Material: P-42 7φ × 2.0t (SUS 304 or SUS 316) | | | |
| 2) Fixing: | | | |
| Plate | PL-4 0t × 65 (SUS) Bending | | |
| Mechanical Anchor | 2-M12 L-90 (SUS) (1set: an anchor, a nut, a washer) | | |
| Through Bolt | 1-M10 L-80 (SUS) (1set: an anchor, a nut, a washer, a spring washer) | | |
| 4. Protection | | | |
| 1) Material | | Dushioning: Polyurethane Form t=100mm | |
| Dampproof Film | | Polyvinyl Chloride Film t=0.2mm | |
| 5. Air Pipe | | | |
| 1) Material: Unplasticized Polyvinyl Chloride Pipe | | | |
| 2) Size: | | | |
| Blower Pipe | VP150A | | |
| Exhaust Pipe | VP100A | | |
| Air Vent Pipe | VP100A | | |
| 6. Blower | | | |
| 1) Product: KSB-H150-M351 (SUS) | | | |
| 2) Voltage: 400V, 3 PHASE and 1 neutral and 1 earth. | | | |
| 3) Output: 1.5 KW | | | |
| 4) Frequency: 50HZ | | | |
| 7. Foundation | | | |
| Concrete | Fc=21 Nmm ² | | |
| Rebar | D10 (Reference) JIS G3112 (SD295A) (Japan Industrial Standard) | | |
| 8. Safety Area | | | |
| 1) Finishing: | | | |
| 9. Tying Rope | | | |
| 1) Material: Vinyon φ8 | | | |

NOTES

- THE COPYRIGHT OF THIS DRAWING REMAINS WITH ENGINEERING OFFICE AND MAY NOT BE REPRODUCED WITHOUT PRIOR CONSENT.
- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE SPECIFIED.
- DO NOT SCALE FROM THIS DRAWING.
- CONTRACTOR TO VERIFY ALL DIMENSIONS ON FIGURED DIMENSIONS GIVEN ARE TO BE TAKEN FROM ARCHITECTURAL, STRUCTURAL, MECHANICAL RELEVANT SECTIONS OF THE SPECIFICATIONS.
- ALL FINISHES ARE TO CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS.
- CONTRACTOR MUST VERIFY ALL SITE DIMENSIONS, DRAWINGS AND REPORT ANY DISCREPANCIES TO ENGINEERING OFFICE BEFORE PROCEEDING WITH ANY WORK.
- ALL REQUESTED DRAWINGS SHOWING FIXINGS AND CONSTRUCTION DETAILS ARE REQUIRED TO BE APPROVED BY ENGINEERING OFFICE PRIOR TO COMMENCEMENT OF WORK.
- ALL SPECIFIED ITEMS ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- CONTRACTOR TO PROVIDE A WORKING ENVIRONMENT WHICH CONFORMS TO THE CURRENT HEALTH AND SAFETY AT WORK CONDITIONS AND LOCAL AUTHORITY REGULATIONS.
- ALL FINISHES ARE TO BE CARRIED OUT TO A HIGH STANDARD.
- ANY DIMENSIONS ARE TO BE TAKEN FROM THE SETTING OUT PLAN ONLY AND ARE NOT TO BE SCALED FROM THE DRAWINGS.
- IT IS THE CONTRACTORS RESPONSIBILITY TO UNDER TAKE AND ENSURE THAT ANY BUILDING IS CARRIED OUT UNDER THE LOCAL AUTHORITY REQUIREMENTS.
- THE CONTRACTOR IS TO CHECK AND APPRAISE ALL DESIGN SHOP-FITTING AND CONSTRUCTION DETAILS AND OFFER ALTERNATIVES TO THE DESIGNER FOR APPROVAL.
- IN THE EVENT THAT DRAWING INFORMATION IS NOT THE SAME, AND IF THE DESIGNER AND/OR SUPERVISING OFFICER ARE UNAVAILABLE FOR COMMENT THE PROPOSED PLAN IS TO BE READ AS CORRECT.

KEY PLAN
SCALE - N.T.S.

NOTE: ALL DESIGN DRAWINGS, DETAILS AND SPECIFICATIONS ARE AS PER DESIGN/BUILD SPECIALIST CONTRACTOR M/s DAIKA ACCORDINGLY ALL LIABILITIES ARE WITH THEM.

| REV | DATE | BY | DESCRIPTION |
|-----|----------|----|------------------------|
| 1 | 28.05.17 | | ISSUED FOR DM APPROVAL |
| 1 | 31.05.17 | | ISSUED FOR INFORMATION |

CLIENT: **MERAAS**

PROJECT: **PLAY AREA AT LA MER**

PROJECT MANAGEMENT: **ENGINEERING OFFICE**
CONSTRUCTION DEPARTMENT

PROJECT CONSULTANT: **ENGINEERING OFFICE**
DESIGN DIVISION

SPECIALIST DESIGN BUILT CONTRACTOR: **DAIKA**

MAIN CONTRACTOR: **ISSUED FOR DM APPROVAL**

SUB CONTRACTOR:

DWG. TITLE: **FUWA FUWA DOMES LAYOUT AND SPECIFICATION**

| | | |
|-------------------|---------------------|-------------------|
| DRAWN: JN | DESIGNED: v2:ssp | DATE: 07.05.2017 |
| CHECKED: SSP | APPROVED: DB | SCALE: 1:100 @ A1 |
| JOB NO. TA-17-014 | DRAWING NO. A021011 | REV. 1 |

07-Jun-18 08:02:21 AM AJULESH KANDAMPULLY BALAKRISHNAN

| Description | Qty |
|--------------------|------------|
| Blower -1 | 1 |
| Blower -2 | 1 |
| Control Panel | 1 |
| Dome Membrane | 2 |