



PHONE
+966 55 300 4708

WEB SITE
www.gtc-intl.com

E-MAIL
info@gtc-intl.com

ADDRESS
AFARDAN TOWER, 7TH FLOOR, OFFICE 701, CORNICHE DIST., AL-KHOBAR, EASTERN PROVINCE,
SAUDI ARABIA.



LIGHT GAUGE STEEL PORTA CABIN (LGS)

Suitable for high-end semi-permanent accommodation for senior-level individuals Covers the entire process from concept to detailed design to construction
Offers high-end finishing equivalent to that of 3-4 star hotel room

The hybrid structural system enables units to be dispatched fully furnished from the factory Off-site manufacturing reduces the overall project duration and minimizes on-site work
The structure is designed to withstand all loading conditions, including wind, seismic activity, temperature, and more Units can be easily relocated at any time during their lifetime

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INTRODUCTION

GITC GROUP IS AN OFF-SITE MANUFACTURING COMPANY SPECIALIZING IN MODULAR CONSTRUCTION. WE PROVIDE A WIDE RANGE OF PRODUCTS, FROM TEMPORARY FACILITIES TO MID-RISE HIGH-END HOTELS.

GUARDIAN INTERNATIONAL TECHNICAL CONTRACTING HAS ESTABLISHED ITSELF AS A LEADER IN RAPID MANUFACTURING AND CONSTRUCTION OF VARIOUS TYPES OF BUILDINGS, INCLUDING QUALITY COMPOUNDS, GOVERNMENT FACILITIES, AND COMMERCIAL COM- PLEXES. GITC EXPERTISE IN FABRICATION TECHNIQUES HAS CONTRIBUTED TO ITS REGIONAL LEADERSHIP POSITION. ADDITIONALLY, MECHANIZATION HAS BEEN A VALUABLE TOOL FOR ACHIEVING HIGH PRODUCTIVITY WITHIN THE INDUSTRY.

OUR EXPERT MANAGEMENT TEAM AND TALENTED TECHNICAL GROUP HAVE A PROVEN TRACK RECORD OF DELIVERING SUPERIOR PERFORMANCE IN MANUFACTURING PREFABRICATED BUILDINGS AND ENSURING TIMELY PROJECT COMPLETION.

GITC GROUP IS ALWAYS READY TO TAKE ON NEW INITIATIVES TO MEET THE GROWING CHALLENGES IN DESIGN, FABRICATION, LOGISTICS, AND RENEWABLE TECHNOLOGY. WE TAKE PRIDE IN PUSHING THE BOUNDARIES TO ELEVATE OUR PRODUCTS TO NEW LEVELS.

OUR OBJECTIVE IS TO BETTER SERVE THE CHANGING NEEDS OF OUR CLIENTS. WE HOLD ISO 9001:2015 QUALITY SYSTEMS ACCREDITATION, ISO 14001:2015 ENVIRONMENTAL MANAGEMENT ACCREDITATION, AND ADHERE TO THE 45001:2018 HEALTH AND SAFETY MANAGEMENT POLICIES.

WITH GITC'S EXCEPTIONAL REPUTATION AND CURRENT ARAMCO'S ACCREDITATION, WE NOT ONLY ATTRACT TALENTED EMPLOYEES AND INVESTORS BUT ALSO PROVIDE OPERATIONAL EXPERTISE THAT ADDS SUBSTANTIAL VALUE TO OUR CLIENTS.

AT GITC, WE FOSTER A CULTURE THAT PROMOTES HANDS-ON ATTITUDES TOWARDS THE PRESENTATION AND EXECUTION OF SUPERIOR PRODUCTS, INNOVATION, AND EXCELLENCE FOR THE BENEFIT OF ALL.



MODULAR SYSTEM

THE MODULAR SYSTEM DEVELOPED BY GTC GROUP OFFERS AN IDEAL SOLUTION FOR OFF-SITE CONSTRUCTION, DELIVERING A PERMANENT BUILDING SYSTEM WITH SUPERIOR QUALITY AND ACCELERATED CONSTRUCTION SPEED.

UNLIKE STANDARD PREFAB STRUCTURES THAT RELY ON LOAD-BEARING WALL PANELS MADE OF LIGHT-STEEL C SECTIONS, OUR MODULAR UNITS ARE COLUMN-SUPPORTED. LOADS ARE TRANSFERRED THROUGH EDGE BEAMS TO HEAVY-STEEL CORNER POSTS, CREATING SELF-SUSTAINED VOLUMETRIC MODULES. THIS INNOVATIVE APPROACH ALLOWS FOR GREATER FLEXIBILITY IN ARCHITECTURAL AND INTERIOR DESIGN WITHOUT COMPROMISING THE INTEGRITY OF THE STRUCTURE. ADDITIONALLY, THE INCLUSION OF A SPECIAL CONCRETE DECK SYSTEM ENSURES THE AESTHETICS AND EXPERIENCE OF A TYPICAL FLOOR IN PERMANENT CONCRETE BUILDINGS. IT ALSO ADDRESSES ACOUSTIC, FIRE PROTECTION, AND FOOTFALL-INDUCED VIBRATION ISSUES COMMONLY ENCOUNTERED IN PREFAB BUILDINGS.

MOREOVER, FOR CELLULAR-TYPE BUILDINGS LIKE HOTELS AND APARTMENTS, OUR MODULAR SYSTEM ENABLES THE MODULES TO BE FULLY FINISHED AND FURNISHED AT THE FACTORY, REDUCING THE NEED FOR EXTENSIVE SITE WORK.

LIFE EXPECTANCY OF AT LEAST 25 YEARS. STRUCTURE CONSTRUCTED USING HEAVY GAUGE STEEL MEMBERS. FLOOR SYSTEM COMPOSED OF A DOVE- TAILED PROFILE METAL DECK WITH 2-4" REINFORCED CONCRETE, OFFERING RIGIDITY, DURABILITY, SOUNDPROOFING, AND A REALISTIC APPEARANCE

SIMILAR TO CONCRETE BUILDINGS.

PERIMETER WALLS ARE WELL-INSULATED AND CAN BE FINISHED WITH A WIDE RANGE OF FACADE OPTIONS, SUCH AS STUCCO PAINT, CURTAIN WALLS, ACP CLADDING, AND OTHER CUSTOM- IZED FACADES.

THE ROOF CAN BE EITHER FLAT WITH A WATERPROOFING SYSTEM OR PITCHED, AND IT CAN BE COVERED WITH STANDING SEAM SNAP-ON STEEL PANELS WITH HIDDEN FIXATIONS.

THE PARTITIONING SYSTEM IS DESIGNED TO MEET FIRE-RATING AND SOUNDPROOF- ING



LABOUR CAMPS . CONSTRUCTION CAMPS . EDUCATIONAL . HOSPITALITY MERCHANTS . UTILITIES . WAREHOUSE . MILITARY BASE CAMPS

SUITABLE FOR MULTI STORY BUILDINGS

*PROVIDES AN EXTENDED BUILDING LIFE WHILE SERVING AS A SEMI-PERMANENT STRUCTURE
UTILIZES A CONCRETE COMPOSITE DECK INSTEAD OF STANDARD CEMENT BOARD DECKING
OFF-SITE MANUFACTURING REDUCES THE OVERALL PROJECT DURATION AND MINIMIZES ON-SITE WORK*

THE STRUCTURE IS DESIGNED TO WITHSTAND ALL LOADING CONDITIONS, INCLUDING WIND, SEISMIC ACTIVITY, TEMPERATURE VARIATIONS, AND MORE.



DESCRIPTION

1. ROOF SHEETS, TP-30, 0.40MM THK., 1M WIDE X 6075MM(L)
2. INSULATION, GLASS MINERAL WOOL WITH "ECOSE" DENSITY 10KGS/M³, SIZE 1.20M(W) X 20M(L) X 50MM(T), FACING FSK (FOIL SCRIM KRAFT)
3. GYPSUM BOARD, 9.50MM(T) X 1200MM(W) X 3660MM(L) REGULAR (SE) MADA
4. STEEL COILS, HOT DIPPED GALVANIZED, 275GMS/M² (G90), 1.00MM THK. X 182MM, 508 COIL ID., GALVANIZED STEEL ASTM A653, SS80
5. I-BEAM (IPE), 120MM(H)X64MM(W)X4.4MMX6.3MMX12MTRS(L) - MAIN RUNNER
I-BEAM (IPE), 100MM(H)X55MM(W)X4.1MMX5.7MMX12MTRS(L) - CROSS MEMBER
6. COMMERCIAL CARPET, 4MM LOOP END, BROWN COLOR - BEDROOM VINYL FLOORING 1.5MM THK. X 2M(W) X 15M(L) GRAY COLOR - TOILET
7. LED LIGHT FIXTURE, 12WATTS, 230V SCREW TYPE, FROSTED, WEATHERPROOF
8. 762(W)X686MM(HT.) ALUMINUM FRAMED WINDOW (VERTICAL SLIDE) W/ LOW-E GLASS @965MM AFF.
9. 915(W)X2032MM(HT.) STEEL EXTERIOR DOOR, W/ POLYSTYRENE INSULATED CORE
10. 610(W)X2032MM(HT.) STEEL INTERIOR DOOR
11. METAL ENTRANCE STEPS W/ 2-EA HANDRAIL, PAINTED BLACK (OPTIONAL)
12. A/C UNIT, WINDOW TYPE, 18,000 BTU W/ HEATER YORK BRAND
13. RSI STANDARD PEDESTAL PIER FOUNDATION