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TRAUMA CENTER SPECIALIZED MEDICAL CENTER (SMC) AL-AHSA



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PREFACE

The Sub-units are some of the important sections of the Trauma Center that accommodates patients for their recovery and rehabilitation. In the conceptualization of this Health Institution, several factors are necessary to consider, and where considered by the principal designer, like the kind of care needed for each patient, materials to be applied in every kind of room or area, governed by medical requirement standards, architectural planning, area inter-relationship, traffic circulation within the building envelop, ergonomic, anthropometrics, color, texture, weather and other factors that may concern with the physical adaptability of the building with nature, specifically human.

The purpose of this report is to show the present status of construction for Trauma Center in Specialized Medical center.



PROJECT OVERVIEW



PROJECT OVERVIEW



TRAUMA CENTER & ITS PRESENT CONSTRUCTION STATUS

A Trauma Center is a hospital equipped and staffed to provide comprehensive Emergency Medical Services to patients suffering Traumatic injuries. Trauma Centers grew into existence out of the realization that traumatic injury is a disease process unto itself requiring specialized and experienced multidisciplinary treatment and specialized resources.

The Construction of the Specialized Medical Center started its ground breaking on October of 2012. And from there on, the project continued its development progress and is now at 100% for its structural requirement. And from this figure, the Trauma Center occupies the 100% of the entire structure.

Architectural, Structural, Electrical, Mechanical, Bio-medical aspect of the completion is now on preparation and partially ongoing as explained on the graphs & photos attached.



THE TRAUMA CENTER EQUIPMENT'S AND FLOOR AREA COVERED

The Trauma Center facilitated with BIO- MEDICAL equipment as listed into Floor Levels with corresponding area served. The table listed the equipment's with corresponding quantities. But others were not immediately availed as per reference given. Quantities shall be completed as required to complete the data.

The Trauma Center distributed allocations of different areas to Basement, Ground, First, Second level as interrelated to the various parts of the hospital. Showing materials necessary for each department of use/purpose.(Trauma Center Visualization)



TRAUMA CENTER SCOPE OF WORK

The Trauma Center as per Contract 1 with phases 1a,1b and Phase 2, with a deadline by October of 2015, comprises of the following:

1. Architectural- CMU block works, Concrete Pre-cast
2. Structural - Structural framing
3. Mechanical - Sleeves, sanitary
4. Electrical - Sleeves, grounding
5. Bio-medical - Sleeves

That the Contract 2 includes Part 9 of Phase 2 and the whole finishing until operational, As per situation of each contract, the Specification and Tender be applied in effect to complete the whole project. Drawing, material Submittals, in sequence prepared, submitted and be submitted accordingly. Except for the Bio-Medical references, Architectural interiors, Electrical elements were not immediately available; these were required to be completed with all necessary plans, details and materials in the earliest possible time.



TRAUMA CENTER ALLOCATION

The Trauma Center of the Specialized Medical Center is interrelated with the whole hospital and allocated in areas as follows:

I. Basement	4,885.00 M2 more or less
II. Ground Floor	12,550.00 M2 more or less
III. First Floor	5,653.00 M2 more or less
IV. Second Floor	4,138.00 M2 more or less
Trauma Center Total Area	27,226.00 Square meters (Approx.)

Where in the total area of the whole project is **130,680.00 square meters 20%** of which occupied by the Trauma Center.



TRAUMA CENTER MONTH PROJECTION

Monthly Projection for the Trauma Center Shall be Based from the S- Curve of Contract 1, Phases 1a, 1b and Phase 2, and to be adapted to the Contract 2 to complete the Trauma Center.























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Thank You