Board of Trustees

July 28, 2015 Schematic Design Review

1. **Nursing and Allied Health Campus Expansion**

2. **Mid Valley Campus Health Professions & Science Building**

3. **Mid Valley Campus Student Services Building Expansion**

4. **Starr County Campus Student Services Building Expansion**

5. **Pecan Campus Thermal Plant Building**

SOUTH TEXAS COLLEGE

NURSING AND ALLIED HEALTH CAMPUS EXPANSION

SOUTH TEXAS COLLEGE NURSING AND ALLIED HEALTH CAMPUS

SOUTH TEXAS COLLEGE

The South Texas College Division of Nursing and Allied Health is a learner centered division committed to the education of healthcare professionals. STC's Nursing and Allied Health programs combine the highest quality instruction with clinical experience in both hospital and community settings.

Students learn in professional settings with state-of-the-art equipment. From life-like robots that simulate patient requests and illnesses to a complete in-house pharmacy environment, the campus is second to none in the Rio Grande Valley in preparing students for careers in the highly rewarding and competitive fields of nursing and allied health.

SITE PROXIMITIES

1/2 MILE RADIUS

- COMMERCIAL
- RESIDENTIAL
- HEALTHCARE/EDUCATION
- BANK
- HOSPITALITY

SITE ANALYSIS

SITE PLAN

MASTER PLAN
FUTURE BUILDING
MCCOLL RD
MASTER PLAN PARKING
EXISTING PARKING
FUTURE
BUILDING
SITE
EXISTING PARKING
EXISTING
BUILDING
EXISTING
BUILDING
EXISTING PARKING
EXISTING PARKING

SITE PLAN

1 MIN.
2 MIN.
3 MIN.
4 MIN.
MASTER PLAN
FUTURE BUILDING
MCCOLL RD
MASTER PLAN PARKING
EXISTING PARKING
FUTURE
BUILDING
SITE
EXISTING PARKING
EXISTING
BUILDING
EXISTING
BUILDING
EXISTING PARKING
EXISTING PARKING

CIRCULATION LEGEND

- PEDESTRIAN
- VEHICULAR
- SERVICE

REGIONAL BUILDING INFLUENCES

McAllen Convention Center

Driscoll Children's Hospital

World Birding Center

REGIONAL BUILDING INFLUENCES

UTPA Education Complex

UTPA Education Complex

SHSU Woodlands

Northeast View

Northeast View

Northwest View

Southwest View

Southeast View

NORTH ELEVATION

EAST ELEVATION

SOUTH ELEVATION

WEST ELEVATION

ASSIGNABLE SQUARE FOOTAGE
38,000 SQ.FT.

VERTICAL CIRCULATION
4,400 SQ.FT.

RESTROOMS
2,700 SQ.FT.

ASSIGNABLE SQUARE FOOTAGE
20,000 SQ.FT.

MECHANICAL
5,500 SQ.FT.

IT & STORAGE
1,600 SQ.FT.

ARCHITECTURAL PLAN - 1ST FLOOR

26,886 SF

DEPARTMENT LEGEND

- 1 - LIBRARY
- 2 - STUDENT ACTIVITY AREA
- 3 - NURSING AND ALLIED HEALTH
- 4 - CLINICAL SIMULATION CENTER
- 5 - GENERAL CLASSROOMS AND FACULTY SPACES
- 6 - TESTING
- 7 - CAFETERIA
- 8 - SHARED BUILDING SPACES
- BUILDING SUPPORT
- CIRCULATION

ARCHITECTURAL PLAN - 2ND FLOOR

20,853 SF

DEPARTMENT LEGEND

- **1 - LIBRARY**
- **2 - STUDENT ACTIVITY AREA**
- **3 - NURSING AND ALLIED HEALTH**
- 4 - CLINICAL SIMULATION CENTER
- **5 - GENERAL CLASSROOMS AND FACULTY SPACES**
- **6 - TESTING**
- 7 - CAFETERIA
- **8 - SHARED BUILDING SPACES**
- **BUILDING SUPPORT**
- **CIRCULATION**

ARCHITECTURAL PLAN - 3RD FLOOR

20,853 SF

DEPARTMENT LEGEND

- 1 - LIBRARY
- 2 - STUDENT ACTIVITY AREA
- 3 - NURSING AND ALLIED HEALTH
- 4 - CLINICAL SIMULATION CENTER
- 5 - GENERAL CLASSROOMS AND FACULTY SPACES
- 6 - TESTING
- 7 - CAFETERIA
- 8 - SHARED BUILDING SPACES
- BUILDING SUPPORT
- CIRCULATION

ARCHITECTURAL PLAN - 4TH FLOOR

21,471 SF

DEPARTMENT LEGEND

- 1 - LIBRARY
- **2 - STUDENT ACTIVITY AREA**
- **3 - NURSING AND ALLIED HEALTH**
- **4 - CLINICAL SIMULATION CENTER**
- **5 - GENERAL CLASSROOMS AND FACULTY SPACES**
- 6 - TESTING
- 7 - CAFETERIA
- **8 - SHARED BUILDING SPACES**
- **BUILDING SUPPORT**
- **CIRCULATION**

SOUTH TEXAS COLLEGE MID-VALLEY CAMPUS
2013 BOND CONSTRUCTION PROGRAM
HEALTH PROFESSIONS & SCIENCE BUILDING

BOARD OF TRUSTEES

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South Texas College
Mid-Valley Campus
Health Professions and Science Building

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N◀ OVERALL SITE PLAN

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N

OVERALL SITE PLAN

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NORTHEAST VIEW

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SOUTHEAST VIEW

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SOUTHWEST VIEW

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NORTH ELEVATION

EAST ELEVATION

SOUTH ELEVATION

WEST ELEVATION

South Texas College
Mid-Valley Campus
Health Professions and Science Building

South Texas College
Mid-Valley Campus
Health Professions and Science Building

LEGEND

- DEPARTMENTAL OFFICE SUITE
- GENERAL EDUCATION SPACES
- HEALTH PROFESSIONS
- SCIENCE SPACES
- SHARED SPACES
- STAFF CORRIDOR
- STUDENT AREAS
- STUDENT CORRIDOR
- SUPPORT SPACES

40,820 SF

N 1st FLOOR

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South Texas College
Mid-Valley Campus
Health Professions and Science Building

LEGEND

- LABORATORY SPACES
- SCIENCE SPACES
- SHARED SPACES
- STAFF CORRIDOR
- STUDENT AREAS
- STUDENT CORRIDOR
- SUPPORT SPACES

34,623 SF

N 2nd FLOOR

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SOUTH TEXAS COLLEGE MID-VALLEY CAMPUS
2013 BOND CONSTRUCTION PROGRAM
STUDENT SERVICES BUILDING EXPANSION

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South Texas College
Mid-Valley Campus
Student Services Building Expansion

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N ◀ OVERALL SITE PLAN

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South Texas College
Mid-Valley Campus
Student Services Building Expansion

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N OVERALL SITE PLAN

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OVERALL WEST VIEW

NORTHEAST VIEW

NORTH VIEW

South Texas College
Mid-Valley Campus
Student Services Building Expansion

NORTHWEST VIEW

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South Texas College
Mid-Valley Campus
Student Services Building Expansion

EAST ELEVATION

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architects

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South Texas College
Mid-Valley Campus
Student Services Building Expansion

NORTH ELEVATION

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WEST ELEVATION

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South Texas College
Mid-Valley Campus
Student Services Building Expansion

South Texas College
Mid-Valley Campus
Student Services Building Expansion

LEGEND

- BUILDING SUPPORT
- CAFETERIA
- STUDENT ACTIVITIES
- STUDENT ENROLLMENT
- SERVERY
- KITCHEN
- CORRIDORS

14,055 SF

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FLOOR PLAN

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South Texas College

Starr County Campus

Student Services Building Expansion

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MATA garcia ARCHITECTS L.L.P.

South Texas College – Starr County Campus

Student Services Building Expansion

Area Plan

NEW EXPANSION

SOUTH TEXAS COLLEGE

South Texas College – Starr County Campus

Student Services Building Expansion

Enlarged Site Plan

SOUTH TEXAS COLLEGE

South Texas College – Starr County Campus

Student Services Building Expansion

Existing Student Services

SOUTH TEXAS COLLEGE

South Texas College – Starr County Campus

Student Services Building Expansion

Existing Student Services

SOUTH TEXAS COLLEGE

South Texas College – Starr County Campus

Student Services Building Expansion

Southeast Perspective

SOUTH TEXAS COLLEGE

South Texas College – Starr County Campus

Student Services Building Expansion

Southwest Perspective

SOUTH TEXAS COLLEGE

South Texas College – Starr County Campus

Student Services Building Expansion

Northwest Perspective

SOUTH TEXAS COLLEGE

South Texas College – Starr County Campus

Student Services Building Expansion

Exterior Elevations

South Elevation

East Elevation

SOUTH TEXAS COLLEGE

South Texas College – Starr County Campus

Student Services Building Expansion

Exterior Elevations

West Elevation

North Elevation

SOUTH TEXAS COLLEGE

South Texas College – Starr County Campus

Student Services Building Expansion

Overall Floor Plan

Program Spaces

- Admissions/ Welcome Center/ Orientation 2,959 Sq. ft
- Financial Aid / Veteran's 1,100 Sq. ft
- Support Spaces 1,645 Sq. ft

- Actual Total Area 5,704 Sq. ft
- Programmed Total Area 5,736 Sq. ft

SOUTH TEXAS COLLEGE

South Texas College – Starr County Campus

Student Services Building Expansion

Expansion Floor Plan

SOUTH TEXAS COLLEGE

South Texas College – Starr County Campus

Student Services Building Expansion

Expansion Floor Plan

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SCHEMATIC DESIGN PRESENTATION
July 13, 2015

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SOUTH TEXAS COLLEGE

PROGRAM SCOPE & COST

EXPANSION OF THE EXISTING PECAN CAMPUS THERMAL PLANT BUILDING, INCLUDING A CHILLER MECHANICAL ROOM, A FACILITY MANAGER'S OFFICE, STAFF RR, CUSTODIAL / MAINTENANCE SPACE AND A LOADING AREA.

1. **CONSTRUCTION COST LIMITATION: $4,300,000**
2. **BUILDING AREA : 3,132 SF**

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HISTORY

MARCH 2003: CONVERT THE OLD DIESEL MECHANIC SHOP INTO THE CENTRAL CHILLER PLANT AND O&M OFFICE

- TWO 940 TON CHILLERS
- THREE COOLING TOWERS
- 3,750 TONS ULTIMATELY, N+1 REDUNDANCY

OCTOBER 2005: ADD ONE CHILLER AND ONE COOLING TOWER.

- THIS ADDITION OCCUPIED THE LAST CHILLER BAY.
- PLANT CAPACITY OF 2,820 TONS

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SOUTH TEXAS COLLEGE

HISTORY

- CURRENT SYSTEM PEAK AT 1500-1600 TONS.
- THE ADDITION OF TWO CHILLERS AND TWO COOLING TOWERS WILL ALLOW THE PLANT TO HAVE A PEAK CAPACITY OF 3,750 TONS AND ONE REDUNDANT CHILLER/TOWER (4,700 TONS TOTAL)
- THE CURRENT CAMPUS ADDITIONS WILL INCREASE PEAK LOAD TO ~2,100–2,200 TONS. POSSIBLE FUTURE LIBRARY: LOAD TO 2,500 TONS.
- THE PLANT EXPANSION HAS THE ABILITY TO SERVE ALL CURRENT AND FUTURE BUILDINGS PROPOSED UNDER THE MASTER PLAN. IN ADDITION, ANOTHER ~250,000 SF CAN BE SERVED BY THIS PLANT BEFORE AFFECTING REDUNDANCY.
- THIS IS THE ULTIMATE BUILD-OUT OF THIS PLANT. NO FUTURE ADDITIONS ARE PLANNED.

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SOUTH TEXAS COLLEGE

HISTORY

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SITE PLAN - NORTH

SITE PLAN - SOUTH

ENLARGED SITE PLAN

PERSPECTIVES: BUILDING

SOUTHWEST VIEW

HALFF

SOUTH TEXAS COLLEGE

PERSPECTIVES: BUILDING

HALFF

SOUTH TEXAS COLLEGE

PERSPECTIVES: BUILDING

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FLOOR PLAN – PLANT BUILDING

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SOUTH TEXAS COLLEGE

PERSPECTIVE: TOWER YARD

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SOUTH TEXAS COLLEGE

PERFORATED METAL PANEL

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SOUTH TEXAS COLLEGE

Floor Plan – Tower Yard

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PERSPECTIVES

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PROBABLE COST ESTIMATE

D. WILSON CONTRUCTION CO. DEVELOPED PRELIMINARY ESTIMATE FROM SD DRAWINGS ON JULY 09, 2015.

- **CONSTRUCTION COST LIMITATION: $4,300,000**
- **SCHEMATIC DESIGN BID AMOUNT: $4,150,000**

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QUESTIONS

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