

TO ACCESS THE TEXAS STATE UNIVERSITY CONSTRUCTION STANDARDS, GO TO THE FOLLOWING WEB ADDRESS:

[http://www.facilities.txstate.edu/pdc/Projects\\_Documents/Construction-Standards.html](http://www.facilities.txstate.edu/pdc/Projects_Documents/Construction-Standards.html)

THE 2017-2027 MASTER PLAN AND UPDATE WEB ADDRESS IS:

<http://masterplan.fss.txstate.edu/>

## I. Introduction

- 1.01 Guides for Design and Construction of Physical Facilities for Texas State University and Satellite Campuses
- 1.02 Campus Architectural Unity
- 1.03 Codes, Rules, Laws & Requirements
- 1.04 Modification Procedures
- 1.05 Status of the Design Guidelines & Construction Standards

## II. Architectural/Engineering Document Deliverables

- 2.01 Programming & Forms
- 2.02 Texas State BIM-FM Requirements
- 2.03 Schematic Design for Review by FPDC
- 2.04 Design Development Review and Approval Documents
- 2.05 Example Submittal Layout for Design Development Package
- 2.06 100% Detail Plan Construction Document Review and Approval
- 2.07 Bidding Phase
- 2.08 Color Selection Review and Approval
- 2.09 Closeout Documents

## III. Design Guidelines

- 3.01 Master Plan Adherence
- 3.02 Sustainable Design Principles
- 3.03 Academic Building Interior Space Square Footage Standards
- 3.04 Minimum Technology Enhanced Classroom Design Standards
- 3.05 Building Custodial Design Standards

IV. Existing Remodeling of Campus Projects Construction Standards

- 4.01 Quality Standard
- 4.02 HVAC Components Cleaning Procedures when Working in Occupied Buildings
- 4.03 Hazard Communicator Program
- 4.04 “Hot Works” Permit Form
- 4.05 Trenching
- 4.06 Contractor Building Key Form

V. Working on City of San Marcos Property

- 5.01 Interfaces with the City of San Marcos
- 5.02 Texas State University-City Project Interface

## SPECIFICATIONS

### DIVISION 00: GENERAL CONDITIONS

Texas State University System Uniform and Supplementary Conditions for Building Construction Contracts

- 00 00 00 General Conditions
- 00 00 01 Component's Conditions

### DIVISION 01: GENERAL REQUIREMENTS

- 01 10 00 General Requirements
- 01 25 00 Substitution Form
- 01 56 39 Tree Protection
- 01 78 36 Warranty Forms

### DIVISION 02: EXISTING CONDITIONS

- 02 32 00 Geotechnical Investigations

### DIVISION 03: CONCRETE

- 03 30 00 Cast-In-Place Concrete
- 03 30 01 Concrete Foundation Slab for Electric Transformers and Switches
- 03 33 00 Architectural Concrete Sidewalk Paving

### DIVISION 04: MASONRY

- 04 01 20.52 Unit Masonry & Cleaning
- 04 01 20.91 Unit Masonry & Restoration
- 04 20 00 Unit Masonry
- 04 43 00 Stone Masonry
- 04 72 00 Caststone Masonry

### DIVISION 05: METALS

- 05 51 00 Metal Stairs
- 05 52 00 Exterior Metal Railings
- 05 52 01 Metal Dumpster Screen

05 52 02 Metal Fences Over 5 Feet Tall

## DIVISION 06: WOOD, PLASTICS, & COMPOSITES

06 10 00 Rough Carpentry

06 40 00 Interior Architectural Woodwork

## DIVISION 07: THERMAL & MOISTURE PROTECTION

07 22 00 Cover Board Over Isocyanurate Roof Insulation

07 32 00 Clay Roof Tile

07 52 16 Styrene Butadiene Styrene Modified Bituminous Membrane Roofing

07 60 00 Sheet Metal Flashing

07 61 13 Standing Seam Sheet Metal Roofing

## DIVISION 08: OPENINGS

08 11 13 Hollow Metal Doors and Frames

08 14 16 Flush Wood Doors

08 15 13 Laminated Plastic Faced Doors

08 31 00 Access Doors

08 33 13 Overhead Coiling Counter Doors

08 35 13.13 Accordion Folding Doors

08 41 16 Bronze Framed Entrance & Storefronts

08 51 13 Aluminum Windows

08 71 00 Hardware

08 71 13 Automatic Door Equipment

08 81 00 Glazing

08 81 13 Decorative Glass

## DIVISION 09: FINISHES

09 21 13 Plaster Assemblies

09 21 16 Gypsum Board Assemblies

09 30 13 Ceramic Tile

09 51 13 Acoustical Panel Ceiling

09 53 23	Metal Acoustical Ceiling Suspension Assemblies
09 65 19	Resilient Tile Flooring & Base
09 66 00	Terrazzo Flooring
09 68 13	Carpet Tiles
09 68 16	Sheet Carpeting
09 72 00	Vinyl Coated Fabric Wall Coverings
09 80 00	Sound Isolation
09 91 00	Paint

## DIVISION 10: SPECIALTIES

10 11 13.13	Fixed Marker Boards
10 14 01	Exterior Site Signage
10 14 02	Building Name Exterior Signage
10 14 03	Interior Signage
10 14 04	Parking Garage Signage
10 14 16	Building Dedication Plaques
10 17 20	Telephones: Emergency Blue Lights
10 21 13.19	Plastic Toilet Compartments
10 22 26	Operable Partitions
10 26 13	Wall & Corner Guards
10 28 13.13	Commercial Toilet Accessories
10 44 13	Fire Extinguishers & Cabinets

## DIVISION 11: EQUIPMENT

11 12 00	Parking Control Equipment
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## DIVISION 12: FURNISHINGS

12 21 00	Window Blinds
12 46 19	Clocks
12 48 13	Building Entry Walk-Off Mats
12 50 00	Furniture

12 93 00 Site Furnishings

DIVISION 13: SPECIAL CONSTRUCTION - NOT USED

DIVISION 14: CONVEYING EQUIPMENT

14 20 00 Electric Traction Elevators: GEARED

14 24 00 Hydraulic Elevators

DIVISION 15-20: NOT USED

DIVISION 21: FIRE SUPPRESSION

21 10 00 Water Based Fire Suppression Systems

21 11 16 Fire Hydrants

DIVISION 22: PLUMBING

22 00 00 Plumbing General System Designs

22 11 19 Domestic Water Piping Specialties

22 11 23 Domestic Water Pumps

22 13 19.26 Grease Removal Devices

22 42 00 Commercial Plumbing Fixtures

22 67 13.19 De-ionized Water Piping for Laboratory Facilities

DIVISION 23: HEATING, VENTILATING & AIR CONDITIONING

23 00 00 Heating, Ventilating, and Air Conditioning (HVAC)

23 05 13 Common Motor Requirements for HVAC Equipment

23 05 93 Preparation for Testing, Adjusting, and Balancing for HVAC

23 05 93.01 Testing, Adjusting, and Balancing for HVAC

23 07 00 HVAC Insulation

23 09 33 Variable Frequency Drives

23 09 53 Pneumatic and Electric Control Systems for HVAC

23 21 13 Hydronic Piping in Buildings

23 21 14 Secondary Chilled-Water Piping Systems

23 22 13 Steam & Condensate Heating Piping

23 22 23	Steam Condensate Pumps
23 25 00	Cleaning, Passivation and Discharge
23 31 00	HVAC Ducts and Casings
23 33 00	Air Duct Accessories
23 36 16	Variable-Air-Volume Units
23 73 00	Modular & Semi Custom Air Handling Units (up to 20,000 CFM)

## DIVISION 24: NOT USED

## DIVISION 25: INTEGRATED AUTOMATION

25 51 00	Integrated Automation Facility Controls
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## DIVISION 26: ELECTRICAL

26 01 26	Maintenance Testing of Electrical Systems
26 05 00	Common Work Results For Electrical
26 05 13	Medium-Voltage, Single-and Multi-Conductor Cables
26 05 19	Low-Voltage Electrical Power Conductors and Cables
26 05 19.13	Under Carpet Electrical Power Cables
26 05 33	Raceway and Boxes for Electrical Systems
26 05 36	Cable Trays for Electrical Systems
26 05 43	Underground Ducts and Raceways for Electrical Systems
26 05 46	Utility Poles for Electrical Systems
26 05 53	Identification for Medium Voltage Cable
26 12 16	Dry-Type, Medium-Voltage Transformers
26 12 19	15KV Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers
26 12 19	25KV Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers
26 13 13	15KV Medium-Voltage Circuit Breaker Switchgear
26 13 13	25KV Medium-Voltage Circuit Breaker Switchgear
26 22 13	Low-Voltage Distribution Transformer
26 24 13	Switchboards
26 24 16	Panel boards



26 24 19	Motor-Control Centers
26 27 26	Wiring Devices
26 28 16	Enclosed Switches and Circuit Breakers
26 29 23	Variable Frequency Drives
26 32 13	Diesel Engine Generators (Emergency Electrical Power Supply)
26 35 13	Capacitors
26 36 23	Automatic Transfer Switches
26 42 14	Cathodic Protection-Piping and Valves-Steam Pipes
26 42 15	Cathodic Protection-Piping Chill Water and Condensate Piping & Shut-Off Valves
26 50 00	Introduction to Lighting Standard
26 51 00	Interior Lighting
26 52 00	Emergency Lighting
26 53 00	Exit Signs
26 55 00	Special Purpose Lighting
26 56 00	Exterior Lighting
26 56 13	Lighting Poles and Standards
26 56 16	Parking Lot Lighting
26 56 17	Parking Garage Bay Lighting
26 56 26	Landscape Lighting
26 56 33	Walkway Lighting
26 56 80	Other Exterior Lighting

## DIVISION 27: COMMUNICATIONS

27 00 00	Communications
27 01 00	Operation and Maintenance of Communications Systems
27 05 13	Communications Services
27 05 26	Grounding and Bonding for Communications Systems
27 05 28	Pathways for Communications Systems
27 05 43	Underground Ducts and Raceways for Communications Systems
27 05 53	Identification for Communications Systems

27 06 00	Schedules for Communications
27 11 00	Communications Equipment Room Fittings
27 13 00	Communications Backbone Cabling
27 15 00	Communications Horizontal Cabling
27 16 00	Communications Connecting Cords, Devices, and Adapters
27 20 00	Data Communications
27 21 33	Data Communications Wireless Access Points
27 30 00	Voice Communications
27 36 00	Data and Voice Equipment
27 41 16.51	Integrated Audio-Video Systems and Equipment for Classrooms
27 41 16.61	Integrated Audio-Video Systems and Equipment for Theaters
27 41 16.62	Integrated Audio-Video Systems and Equipment for Auditoriums

#### DIVISION 28: ELECTRONIC SAFETY & SECURITY

28 13 00	Access Control Systems
28 23 00	Video Surveillance System
28 31 00	Fire Detection and Alarm

#### DIVISION 29 & 30: NOT USED

#### DIVISION 31: EARTHWORK

31 23 16	Tree Protection
31 25 13	Erosion and Sedimentation Control
31 31 16	Termite Control

#### DIVISION 32: EXTERIOR IMPROVEMENTS

32 05 19.13	Geo-textiles Exterior Improvements
32 10 00	Paving
32 32 23.13	Segmental Concrete Unit Masonry Retaining Wall-Height of 5-0" High
32 32 23.14	Segmental Concrete Unit Masonry Retaining Wall-Height Over 5-0" High
32 84 00	Landscape Irrigation
32 91 00	Soil Preparation

32 91 13.16 Mulching

32 91 13.19 Planting Soil Mixing

32 93 00 Plants

32 94 13 Landscape Edging

**DIVISION 33: UTILITIES**

31 25 13 Earthwork

33 00 00 Utilities

33 51 13 Natural Gas Piping

33 63 13 Underground Steam and Condensate Distribution Piping

**DIVISION 34-49: NOT USED**