



**100% CD  
SPECIFICATIONS  
Volume 1**

**PRESIDIO MAINTENANCE FACILITY**

Site No: 249007  
Building No: 248220

**EL PASO DISTRICT #24**  
**PRESIDIO MAINTENANCE FACILITY**  
**PRESIDIO COUNTY, TEXAS**

Project No: 24-470420004

TEXAS DEPARTMENT of TRANSPORTATION  
125 E. 11<sup>th</sup> Street  
Austin, Texas 78701

Support Services Division  
Facilities Planning & Management Section  
Riverside Annex, Bldg. 150-4 North

Date: 7/19/2021

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**ATTACHMENTS**

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- (SE) Structural Engineers TOC with Seal and Signature; Cover listed sections in Divisions 03, 06, and 31
- (CE) Civil Engineers TOC with Seal and Signature; Cover CE listed sections in Divisions 01, 02, 03, 31, 32, and 33.
- (LA) Landscape Architect TOC with Seal and Signature; Cover listed sections in Division 32
- (DC) Communications Designer TOC with Seal and Signature; Cover listed section in Division 27 & Division 28
- (MEP) Mechanical, Electrical and Plumbing Engineers TOC with Seal and Signature; Cover listed sections in Divisions 22, 23, and 26
- (FUEL) Fuel TOC with Seal and Signature, Cover listed section in Division 23

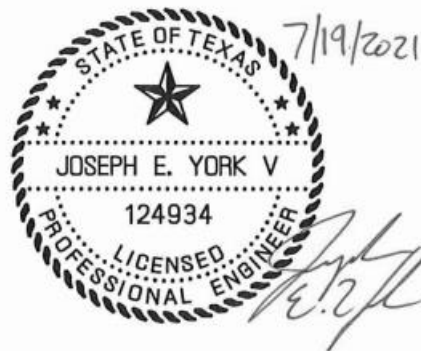
**CONSULTANT KEY**

<b>Key</b>	<b>Discipline</b>	<b>Company, City, and Contact</b>	<b>Telephone</b>
<b>AHC</b>	Hardware Consultant	Allegion San Antonio, TX	
	Hardware Contact	RB Sontag	
<b>CE</b>	Civil Engineer	Jones & Carter, Inc 4350 Lockhill Selma Rd., Ste. 100 San Antonio, TX 78249	(210) 546-0084
	CE Contact	Joe York	(210) 546-0084
<b>DC</b>	Data & Communications	Combs Consulting Group 901 MoPac Expressway, Bldg. 1, Ste. 300 Austin, TX 78746	(913)
	DC Contact	Name	(913)215-2601
<b>LA</b>	Landscape Architect	Asakura Robinson 1224 E. 12 <sup>th</sup> Street, Suite 310 Austin, TX 78702	(512)351-9601
	LA Contact	Margaret Robinson	(832)236-4493
<b>MEP</b>	Mechanical, Electrical, & Plumbing Engineers	Encotech Engineering Consultants, Inc. 8500 Bluffstone Cove, Ste. 103 Austin, TX 78759	(512)338-1101
	Project Manager	Sarah Migne	(512)758-7592
<b>SE</b>	Structural Engineers	JQ Infrastructure, LLC 108 Wild Basin Road, Ste. 350 Austin, TX 78746	(512) 474-9094
	SE Contact	Conner Maines	(214) 623-5881
<b>FUEL</b>		CDS Muery	
		Rick Berry	

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**TxDOT Presidio Maintenance Facility  
July 19, 2021  
Specification TOC**

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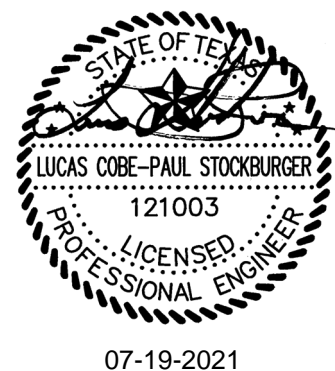
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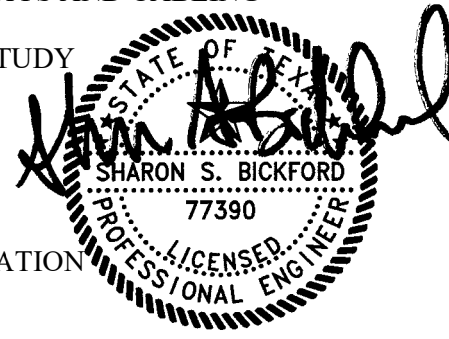
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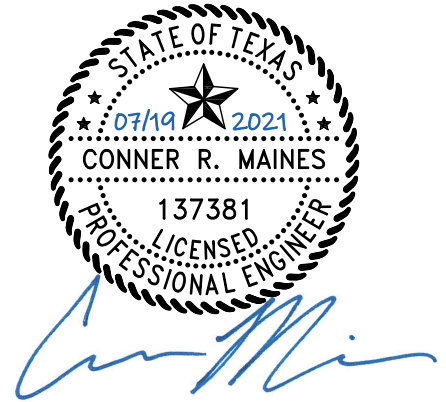
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*Richard N Berry*  
7-19-21



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08 38 13	FLEXIBLE STRIP DOORS
08 43 13	ALUMINUM-FRAMED STOREFRONTS
08 71 00	DOOR HARDWARE
08 80 00	GLAZING

**DIVISION 09 – FINISHES**

09 05 61	COMMON WORK RESULTS FOR FLOORING PREPARATION
09 21 16	GYPSUM BOARD ASSEMBLIES
09 30 00	TILING
09 51 00	ACOUSTICAL CEILINGS
09 65 00	RESILIENT FLOORING
09 91 13	EXTERIOR PAINTING
09 91 23	INTERIOR PAINTING

**DIVISION 10 – SPECIALTIES**

10 11 00	VISUAL DISPLAY UNITS
10 14 00	SIGNAGE
10 21 13.19	PLASTIC TOILET COMPARTMENTS
10 28 00	TOILET, BATH, AND LAUNDRY ACCESSORIES
10 44 00	FIRE PROTECTION SPECIALTIES
10 51 13	METAL LOCKERS
10 75 00	FLAGPOLES
10 81 13	BIRD NET

**DIVISION 11 – EQUIPMENT – NOT USED**

**DIVISION 12 – FURNISHINGS**

12 21 13	HORIZONTAL LOUVER BLINDS
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**DIVISION 13 – SPECIAL CONSTRUCTION**

13 34 19	METAL BUILDING SYSTEMS
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**DIVISION 14 – CONVEYING EQUIPMENT**

14 4500	VEHICLE LIFTS
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**DIVISION 15 through 21 – NOT USED**

**DIVISION 22 – PLUMBING**

22 05 13	COMMON MOTOR REQUIREMENTS FOR PLUMBING EQUIPMENT
22 05 17	SLEEVE AND SLEEVE SEALS FOR PLUMBING
22 05 18	ESCUTCHEONS FOR PLUMBING PIPING
22 05 19	METERS AND GAGES FOR PLUMBING PIPING
22 05 23.12	BALL VALVES FOR PLUMBING PIPING
22 05 23.13	BUTTERFLY VALVES FOR PLUMBING PIPING

22 05 23.14	CHECK VALVES FOR PLUMBING PIPING
22 05 23.15	GATE VALVES FOR PLUMBING PIPING
22 05 29	HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT
22 05 33	HEAT TRACING FOR PLUMBING PIPING
22 05 48	VIBRATION CONTROL FOR PLUMBING PIPING AND EQUIPMENT
22 05 53	IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT
22 07 19	PLUMBING PIPING INSULATION
22 11 16	DOMESTIC WATER PIPING
22 11 19	DOMESTIC WATER PIPING SPECIALTIES
22 11 23	FACILITY NATURAL-GAS PIPING
22 13 16	SANITARY WASTE AND VENT PIPING
22 13 19	SANITARY WASTE PIPING SPECIALTIES
22 13 19.13	SANITARY DRAINS
22 13 23	SANITARY WASTE INTERCEPTORS
22 15 13	GENERAL SERVICE COMPRESSED-AIR PIPING
22 34 00	FUEL-FIRED, DOMESTIC-WATER HEATERS
22 42 00	COMMERCIAL PLUMBING FIXTURES
22 45 00	EMERGENCY PLUMBING FIXTURES
22 61 19	COMPRESSED-AIR EQUIPMENT FOR FACILITIES

**DIVISION 23 – HEATING, VENTILATING, & AIR CONDITIONING**

23 00 00	HEATING VENTILATION AND AIR CONDITIONING
23 05 00	COMMON WORK RESULTS FOR HVAC
23 05 13	COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT
23 05 17	SLEEVES AND SLEEVE SEALS FOR HVAC PIPING
23 05 18	ESCUTCHEONS FOR HVAC PIPING
23 05 29	HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT
23 05 48.13	VIBRATION CONTROLS FOR HVAC
23 05 53	IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT
23 05 93	TESTING, ADJUSTING, AND BALANCING FOR HVAC
23 07 13	DUCT INSULATION
23 07 19	HVAC PIPING INSULATION
23 09 23.12	CONTROL DAMPERS
23 09 23.20	GAS DETECTION AND ALARM
23 10 10	FUEL SYSTEM GENERAL PROVISIONS (FUEL)
23 10 20	INSPECTION, TESTING, AND FLUSHING (FUEL)
23 10 30	FUEL SYSTEM CONTROLS (FUEL)
23 11 16	SYSTEM 1 FACILITY FUEL PIPING UNLEADED (FUEL)
23 11 19	SYSTEM 2 FACILITY FUEL PIPING DIESEL (FUEL)
23 21 13	CONDENSATE PIPING
23 21 23	HYDRONIC PUMPS
23 23 00	REFRIGERANT PIPING
23 31 13	METAL DUCTS
23 33 00	AIR DUCT ACCESSORIES
23 33 46	FLEXIBLE DUCTS
23 34 23	HVAC POWER VENTILATORS
23 34 39	HIGH-VOLUME, LOW-SPEED FANS

23 37 13.13	AIR DIFFUSERS
23 37 13.23	REGISTERS AND GRILLES
23 37 23	HVAC GRAVITY VENTILATORS
23 51 23	GAS VENTS
23 52 31	VEHICLE EXHAUST REMOVAL SYSTEM
23 81 26	SPLIT-SYSTEM AIR-CONDITIONERS
23 82 36	FINNED-TUBE RADIATION HEATERS
23 82 39.16	PROPELLER UNIT HEATERS

**DIVISION 24 and 25 – NOT USED**

**DIVISION 26 – ELECTRICAL - MEP**

26 05 19	LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES
26 05 26	GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS
26 05 29	HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS
26 05 33	RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS
26 05 44	SLEEVES AND SLEEVE SEALS FOR ELECTRICAL RACEWAYS AND CABLING
26 05 53	IDENTIFICATION FOR ELECTRICAL SYSTEMS
26 05 73	OVERCURRENT PROTECTIVE DEVICE COORDINATION STUDY
26 05 83	ARC-FLASH AND SHOCK HAZARD STUDY
26 09 13	ELECTRICAL POWER MONITORING AND CONTROL
26 09 23	LIGHTING CONTROL DEVICES
26 22 13	LOW-VOLTAGE DISTRIBUTION TRANSFORMERS
26 24 16	PANELBOARDS
26 25 50	DUAL PURPOSE GENERATOR/ LOAD BANK DOCKING STATION
26 27 26	WIRING DEVICES
26 28 13	FUSES
26 28 16	ENCLOSED SWITCHES AND CIRCUIT BREAKERS
26 31 13	NATURAL GAS ENGINE GENERATORS
26 36 33	AUTOMATIC TRANSFER SWITCH
26 51 19	LED INTERIOR LIGHTING
26 52 13	EMERGENCY AND EXIT LIGHTING
26 56 19	LED EXTERIOR LIGHTING

**DIVISION 27 – COMMUNICATIONS - DC**

27 13 43	TELECOMMUNICATIONS ( COMM-SEC)
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**DIVISION 28 – ELECTRONIC SAFETY AND SECURITY - DC**

28 13 00	ACCESS CONTROL (COMM-SEC)
28 29 00	ELECTRIC GATE OPERATORS (MM)

**DIVISION 29 and 30 – NOT USED**

**DIVISION 31 – EARTHWORK**

31 11 00	CLEARING AND GRUBBING (CE)
31 22 00	GRADING (CE)

31 23 00	STRUCTURAL EXCAVATION AND BACKFILL (CE)
31 23 16	EXCAVATION (CE)
31 23 19	DEWATERING (CE)
31 23 23	SUBGRADE FILL (CE)
31 23 33	TRENCHING AND BACKFILLING (CE)
31 32 13.19	LIME TREATMENT – SUBGRADE (CE)
31 37 00	RIP-RAP (CE)
31 63 29	DRILLED PIERS (SE)

**DIVISION 32 – EXTERIOR IMPROVEMENTS**

32 01 90	OPERATION AND MAINTENANCE OF PLANTING (LA)
32 12 13	PRIME COATS (CE)
32 12 16	ASPHALT PAVING (CE)
32 13 13	CONCRETE PAVEMENT (CE)
32 13 73	EXPANSION JOINT MATERIALS (CE)
32 14 25	GRAVEL (LA)
32 16 13	CURBS AND GUTTERS (CE)
32 16 23	SIDEWALKS (CE)
32 31 13	CHAIN LINK FENCE (CE)
32 84 00	PLANTING IRRIGATION (LA)
32 91 14	PLANTING MEDIA (LA)
32 93 00	PLANTS (LA)

**DIVISION 33 – UTILITIES**

33 05 13	MANHOLES AND STRUCTURES (CE)
33 11 00	WATER UTILITY DISTRIBUTION PIPING (CE)
33 11 16	SITE WATER UTILITY DISTRIBUTION PIPING (CE)
33 31 13	SITE SANITARY UTILITY SEWAGE PIPING (CE)

**ATTACHMENTS**

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- (SE) Structural Engineers TOC with Seal and Signature; Cover listed sections in Divisions 03, 06, and 31
- (CE) Civil Engineers TOC with Seal and Signature; Cover CE listed sections in Divisions 01, 02, 03, 31, 32, and 33.
- (LA) Landscape Architect TOC with Seal and Signature; Cover listed sections in Division 32
- (DC) Communications Designer TOC with Seal and Signature; Cover listed section in Division 27 & Division 28
- (MEP) Mechanical, Electrical and Plumbing Engineers TOC with Seal and Signature; Cover listed sections in Divisions 22, 23, and 26
- (FUEL) Fuel TOC with Seal and Signature, Cover listed section in Division 23

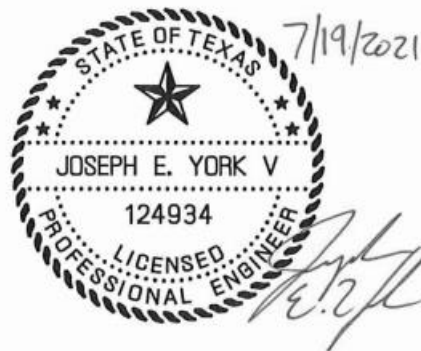
**CONSULTANT KEY**

<b>Key</b>	<b>Discipline</b>	<b>Company, City, and Contact</b>	<b>Telephone</b>
<b>AHC</b>	Hardware Consultant	Allegion San Antonio, TX	
	Hardware Contact	RB Sontag	
<b>CE</b>	Civil Engineer	Jones & Carter, Inc 4350 Lockhill Selma Rd., Ste. 100 San Antonio, TX 78249	(210) 546-0084
	CE Contact	Joe York	(210) 546-0084
<b>DC</b>	Data & Communications	Combs Consulting Group 901 MoPac Expressway, Bldg. 1, Ste. 300 Austin, TX 78746	(913)
	DC Contact	Name	(913)215-2601
<b>LA</b>	Landscape Architect	Asakura Robinson 1224 E. 12 <sup>th</sup> Street, Suite 310 Austin, TX 78702	(512)351-9601
	LA Contact	Margaret Robinson	(832)236-4493
<b>MEP</b>	Mechanical, Electrical, & Plumbing Engineers	Encotech Engineering Consultants, Inc. 8500 Bluffstone Cove, Ste. 103 Austin, TX 78759	(512)338-1101
	Project Manager	Sarah Migne	(512)758-7592
<b>SE</b>	Structural Engineers	JQ Infrastructure, LLC 108 Wild Basin Road, Ste. 350 Austin, TX 78746	(512) 474-9094
	SE Contact	Conner Maines	(214) 623-5881
<b>FUEL</b>		CDS Muery	
		Rick Berry	

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01 55 00	STABILIZED CONSTRUCTION ENTRANCE/EXIT (CE)
01 57 13	TEMPORARY EROSION CONTROLS (CE)
01 57 13.13	TEMPORARY SEDIMENT CONTROL FENCE (SILT FENCE) (CE)
01 57 13.16	EROSION AND SEDIMENT CONTROL MATERIALS (CE)
01 57 13.19	TEMPORARY TRUCK WASHOUT PIT (CE)
01 73 29	CUTTING AND PATCHING (CE)
01 74 00	CLEANING AND ADJUSTING (CE)
01 74 19	WASTE MATERIAL DISPOSAL (CE)
02 41 13	SITE DEMOLITION (CE)
03 11 00	CIVIL CONCRETE FORMWORK (CE)
03 15 00	CIVIL CONCRETE JOINTS AND EMBEDDED ITEMS (CE)
03 20 00	CIVIL CONCRETE REINFORCEMENT (CE)
03 30 00.01	CIVIL CAST-IN-PLACE CONCRETE (CE)
31 11 00	CLEARING AND GRUBBING (CE)
31 22 00	GRADING (CE)
31 23 00	STRUCTURAL EXCAVATION AND BACKFILL (CE)
31 23 16	EXCAVATION (CE)
31 23 19	DEWATERING (CE)
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32 12 13	PRIME COATS (CE)
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33 31 13	SITE SANITARY UTILITY SEWAGE PIPING (CE)



**TxDOT Presidio Maintenance Facility  
July 19, 2021  
Specification TOC**

**27 13 43 – Telecommunications  
28 13 00 – Security System**



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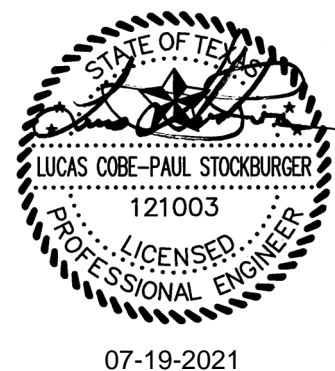
### PLUMBING

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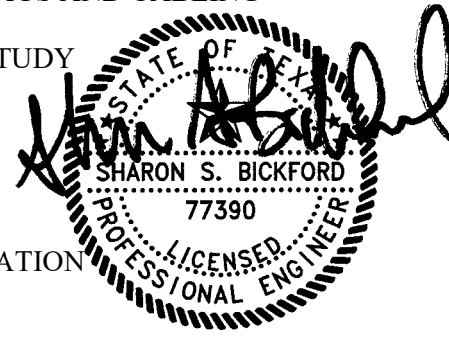
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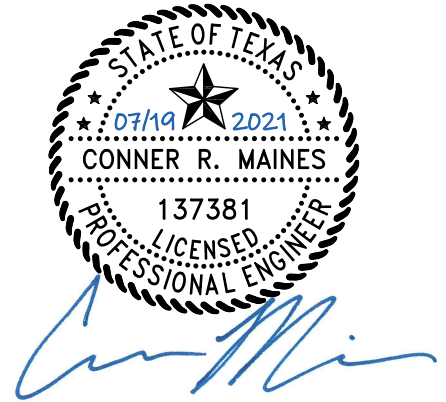
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07-19-2021

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03 35 00	CONCRETE FLOOR FINISHING (SE)
06 10 00	ROUGH CARPENTRY (SE)
06 16 00	WOOD SHEATHING (SE)
06 17 53	SHOP-FABRICATED WOOD TRUSSES (SE)
31 63 29	DRILLED PIERS (SE)



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23 10 10 FUEL SYSTEM GENERAL PROVISIONS (FUEL)  
23 10 20 INSPECTION, TESING, AND FLUSHING (FUEL)  
23 10 30 FUEL SYSTEM CONTROLS (FUEL)  
23 11 16 SYSTEM 1 FACILITY FUEL PIPING UNLEADED (FUEL)  
23 11 19 SYSTEM 2 FACILITY FUEL PIPING DIESEL (FUEL)



*Richard N Berry*  
7-19-21