

**CITY OF WEST PALM BEACH
DESIGN OF ELECTRICAL/GENERATOR BUILDING**

TECHNICAL SPECIFICATIONS

SECTIONS

PAGE NO.

DIVISION 01 – GENERAL REQUIREMENTS

011000	Summary of Work	011000-1 to 011000-10
011400	Construction Constraints	011400-1 to 011400-07
012900	Measurement and Payment	012900-1 to 012900-10
012973	Schedule of Values	012973-1 to 012973-03
013216	CPM Construction Schedule	013216-1 to 013216-09
013300	Contractor Submittals General	013300-1 to 013300-12
013553	Site Security	013553-1 to 013553-01
014100	NPDES Requirements	014100-1 to 014100-02
014213	Abbreviations of Institutions	014213-1 to 014213-04
014219	Reference Standards	014219-1 to 014219-02
014500	Quality Control	014500-1 to 014500-02
015000	Mobilization	015000-1 to 015000-02
015010	Protection of Existing Facilities	015010-1 to 015010-04
015100	Temporary Utilities	015100-1 to 015100-03
015200	Field Office, Equipment, and Services	015200-1 to 015200-05
015400	Hurricane Preparedness	015400-1 to 015400-01
015500	Site Access and Storage	015500-1 to 015500-03
015719	Temporary Environmental Controls	015719-1 to 015719-04
016000	Products, Materials, Equipment and Substitutions	016000-1 to 016000-05
017430	Pressure Pipe Testing	017430-1 to 017430-03
017500	Equipment Testing and Plant Startup	017500-1 to 017500-06
017700	Project Closeout	017700-1 to 017700-02

DIVISION 02 – SITEWORK

022200	Site Condition Surveys	022200-1 to 022200-03
024119	Demolition and Reconstruction	024119-1 to 024119-09

DIVISION 03 – CONCRETE

033150	Cast-in-Place Concrete	033150-1 to 033150-28
036000	Grouting	036000-1 to 036000-13

DIVISION 04 – MASONRY

042200	Reinforced Concrete Block Masonry	042200-1 to 042200-08
--------	-----------------------------------	-----------------------

DIVISION 05 – METALS

053000	Metal Decking	053000-1 to 053000-04
054000	Cold-Formed (Light) Steel Trusses	054000-1 to 054000-05

055000	Miscellaneous Metalwork	055000-1 to 055000-15
055200	Aluminum Railings	055200-1 to 055200-05

DIVISION 07 – THERMAL AND MOISTURE PROTECTION

072116	Blanket Insulation	072116-1 to 072116-02
074113	Barrel Style Metal Tile Panel Roofing System	074113-1 to 074113-07
072600	Sheet Metal Flashing and Trim	072600-1 to 072600-04
078400	Fire Stopping	078400-1 to 078400-04
079213	Sealants and Caulking	079213-1 to 079213-07

DIVISION 08 – DOORS AND WINDOWS

081600	Fiberglass Reinforced Plastics (FRP) Doors and Frames	081600-1 to 081600-06
083300	Coiling Doors	083300-1 to 083300-07
085113	Aluminum Windows	085113-1 to 085113-09
087000	Finish Hardware	087000-1 to 087000-07

DIVISION 09 – FINISHES

092300	Lathing and Plastering	092300-1 to 092300-05
092900	Gypsum Board	092900-1 to 092900-04
098000	Acoustical Panels and Sound Screens	098000-1 to 098000-05
099000	Painting	099000-1 to 099000-07
099600	Protective Coating	099600-1 to 099600-26

DIVISION 10 – SPECIALTIES

101400	Signage	101400-1 to 101400-06
104400	Fire Extinguishers	104400-1 to 104400-02

DIVISION 21 – FIRE SUPPRESSION

212200	Clean Agent Fire Suppression System	212200-1 to 212200-09
---------------	--	------------------------------

DIVISION 23 – HEATING, VENTILATING, AND AIR CONDITIONING

230000	HVAC General	230000-1 to 230000-14
233113	Metal Ductwork Systems	233113-1 to 233113-11
233400	Fan Equipment	233400-1 to 233400-03
236000	Air Conditioning Equipment	236000-1 to 236000-06

DIVISION 26 – ELECTRICAL

260000	Electrical Work, General	260000-1 to 260000-14
260126	Electrical Tests	260126-1 to 260126-32
260510	Electric Motors	260510-1 to 260510-08
260515	Industrial Control Panels	260515-1 to 260515-04
260519	Wire and Cable	260519-1 to 260519-07
260526	Grounding	260526-1 to 260526-04
260533	Electrical Raceway	260533-1 to 260533-12
260536	Wiring Devices	260536-1 to 260536-04

260543	Underground Raceway Systems	260543-1 to 260543-04
260573	Protective Device Studies	260573-1 to 260573-05
261116	Secondary Unit Substations	261116-1 to 261116-11
261213	Primary Unit Substation Transformers – Liquid Filled	261213-1 to 261213-12
261216	Medium-Voltage Ventilated Transformers	261216-1 to 261216-05
261219	Medium-Voltage Pad-Mounted Transformers	261219-1 to 261219-08
261313	Medium-Voltage Switching Center	261313-1 to 261313-12
261314	Medium-Voltage Closed Transition Switchgear	261314-1 to 261314-13
261330	Medium-Voltage Pad-Mounted Switchgear	261330-1 to 261330-04
261836	Medium-Voltage Motor Control	261836-1 to 261836-08
262200	Low-Voltage Distribution	262200-1 to 262200-07
262314	Medium Voltage Generator Switchgear	262314-1 to 262314-26
262416	Panelboards and Low-Voltage Dry Type Transformers	262416-1 to 262416-05
262900	Low-Voltage Motor Control Centers	262900-1 to 262900-13
262933	Variable Frequency Drive Units	262933-1 to 262933-10
263213	Medium-Voltage Diesel Engine Generators	263213-1 to 263213-27
264123	Lightning Protection System	264123-1 to 264123-07
265000	Lighting	265000-1 to 265000-11

DIVISION 28– FIRE DETECTION AND ALARMS

283100	Fire Detection and Alarms	283100-1 to 283100-03
---------------	----------------------------------	------------------------------

DIVISION 31– EARTHWORK

311000	Site Preparation	311000-1 to 311000-02
312319	Dewatering	312319-1 to 312319-03
313000	Earthwork	313000-1 to 313000-19
313526	Erosion Control Barrier	313526-1 to 313526-04

DIVISION 32 – EXTERIOR IMPROVEMENTS

321115	Asphaltic Concrete Pavement, Base and Stabilized Subbase (FDOT)	321115-1 to 321115-07
329200	Sodding	329200-1 to 329200-05

DIVISION 33 – UTILITIES

330516	Precast Concrete Manholes and Vaults	330516-1 to 330516-04
334000	Storm Drainage Utilities	334000-1 to 334000-05
339220	Ductile Iron Piping (AWWA C151, Modified)	339220-1 to 339220-07

DIVISION 40 – INSTRUMENTATION AND CONTROL FOR PROCESS SYSTEMS

409000	Prequalification for Process Control and Instrumentation	409000-1 to 409000-10
409100	Process Control and Instrumentation	409100-1 to 409100-22
409103	Liquid Flow Detection	409103-1 to 409103-01
409106	Level Measuring	409106-1 to 409106-02
409107	Level Detection	409107-1 to 409107-01
409108	Pressure Measuring	409108-1 to 409108-02

409109	Pressure Detection	409109-1 to 409109-02
409114	Vibration Monitoring Systems	409114-1 to 409114-02
409200	Control Panels	409200-1 to 409200-10
409220	Control Panel Instrumentation	409220-1 to 409220-02
409300	Control Descriptions	409300-1 to 409300-08
409510	PLC-Based Control Systems Hardware	409510-1 to 409510-19
409520	PLC-Based Control Systems Software	409520-1 to 409520-41

DIVISION 43 – MATERIAL HANDLING EQUIPMENT

431050	Piping, General	431050-1 to 431050-15
431051	Piping Identification	431051-1 to 431051-03
431052	Pipe Supports	431052-1 to 431052-08
433000	Valves, General	433000-1 to 433000-07
433012	Valve and Gate Actuators	433012-1 to 433012-04
433014	Butterfly Valves	433014-1 to 433014-03
433024	Plug Valves	433024-1 to 433024-02
434014	Diesel Fuel Storage Tank and Equipment	434014-1 to 434014-17

DIVISION 46 – PROCESS EQUIPMENT

460100	Equipment General Provisions	460100-1 to 460100-18
--------	------------------------------	-----------------------