

SUBGROUP: GENERAL REQUIREMENTS		
Div 1 – General Requirements * Always included		
*** PREPARED BY PORT STAFF ***		
011100	M	Summary of Work *
013100	M	Project Management and Coordination *
013200	M	Construction Progress Documentation *
013300	M	Submittal Procedures *
013513pd	M	Airport Security, Safety, & Operating Reg (PDX)
013513ga	M	Airport Security, Safety, & Operating Reg (GA)
013553	M	Marine Terminal Security, Safety, & Operating Reg.
014500	M	Quality Control *
015000	M	Temporary Facilities and Controls *
015719	M	Environmental Construction Controls *
017000	M	Execution Requirements *
017419	M	Construction Waste Recycling
017700	M	Closeout Procedures *
*** MAY BE PREPARED BY CONSULTANTS ***		
012200	M	Unit Prices
015639	M	Tree and Plant Protection
015713	M	Temporary Erosion, Sediment, & Pollution Control
016116	M	Volatile Organic Compound (VOC) Content Restrictions
016400		Port-Furnished Products (Long product list only)
017329	M	Cutting and Patching
019100	M	General Commissioning Requirements
SUBGROUP: FACILITY CONSTRUCTION		
Division 2 – Existing Conditions		
024113	M	Site Demolition
024119	M	Selective Interior Demolition
026100	M	Removal and Disposal of Contaminated Soils
026500		Underground Storage Tank Removal ⁽¹⁾
028213		Asbestos Abatement ⁽¹⁾
028216		Asbestos Management ⁽¹⁾
028313		Lead-Based Paint Management ⁽¹⁾
028319		Lead-Based Paint Abatement ⁽¹⁾
028400		PCB Remediation ⁽¹⁾
⁽¹⁾ Must collaborate w/Port Environmental Dept.		
Division 3 – Concrete		
031100	M	Concrete Formwork
031500		Concrete Accessories
032000	M	Concrete Reinforcing
033000	M	Cast-In-Place Concrete
035416	M	Cement-Based Underlayment
036000		Concrete Grouting
Division 4 – Masonry		
040513		Masonry Mortar and Grout
040523		Masonry Accessories
042113		Brick Masonry
042200		Concrete Unit Masonry
Division 5 – Metals		
050513		Galvanic Coatings
051200	M	Structural Steel Framing
051213		Architecturally Exposed Structural Steel Framing
052100		Steel Joist Framing
053100		Steel Decking
054000		Cold-Formed Metal Framing
055000	M	Metal Fabrications
055200		Metal Railings
057050		Stainless Steel Fabrications
057300		Glazed Decorative Metal Railings
057500		Decorative Formed Metal
Division 6 – Wood, Plastics & Composites		
061000		Rough Carpentry
061100		Framing and Sheathing
061400	M	Treated Wood for Roof Repairs
062000		Finish Carpentry
064000		Architectural Woodwork

064100		Custom Cabinets (Architectural Wood Casework)
064600		Custom Casework
065113	M	Plastic Structural Lumber
066000		Plastic Fabrications
067000		Structural Components
068205		Fiberglass Reinforced Plastic Panels
Division 7 – Thermal and Moisture Protection		
070152	M*	Modified Bituminous Sheet Roofing System Modifications
070153	M*	Elastomeric Sheet Roofing System Repairs (such as EPDM, PVC, SBS, etc.)
071000		Waterproofing
071100		Dampproofing
071700		Bentonite Panel Waterproofing
071800		Traffic Coatings
072100		Thermal Insulation
072600		Vapor Retarders
072613	M	Moisture Mitigation System
072700		Air Barriers
072714		Non-Bituminous Self-Adhering Sheet Air Barriers
074100		Roof Panels
074200		Wall Panels
075000	*	Membrane Roofing
075100	*	Built-Up Bituminous Roofing
075200	*	Modified Bituminous Sheet Roofing System
075216		SBS Modified Bituminous Membrane Roofing
075300	*	Elastomeric Sheet Roofing System
076100		Sheet Metal Roofing
076200	M	Sheet Metal Flashing and Trim
077123		Manufactured Gutters and Downspouts
077200		Roof Accessories
078100	M	Applied Fireproofing
078400	M	Firestopping
079200	M	Joint Sealants
079500		Expansion Control (Expansion Control Cover Assemblies)
*Typically done by roofing consultant.		
Division 8 – Openings		
080600		Door/Window Schedule
081100		Metal Doors and Frames
081400		Wood Doors
083100	M	Access Doors and Panels
083300		Coiling Doors and Grilles
084113		Aluminum Entrances and Storefronts
084126		All-Glass Entrances and Storefronts
084200		Entrance Door Systems
084400		Glazed Curtain Walls
085100		Metal Windows
085600		Special Function Windows
086000		Skylights
087000		Finish Hardware
087100	M	Door Hardware
088000		Glazing
089000	M	Louvers and Vents
Division 9 – Finishes		
090561	M	Common Work Results for Flooring Preparation (PDX)
090600		Room Material and Finish Schedule
092100		Plaster and Gypsum Board Assemblies
092216		Non-Structural Metal Stud Framing
092236		Lath and Plaster
092600		Gypsum Veneer Plaster
092900		Gypsum Board
092911		Glass-Fiber-Reinforced Gypsum Board
093000		Tile
093013		Ceramic Tile
093014		Ceramic Tile Floor Finish
095100		Acoustical Ceilings
095400	M	Specialty Ceilings (linear metal ceilings, etc.)
096100		Floor Treatment

096340		Stone Flooring
096400		Wood Flooring
096500		Resilient Flooring
096519		Resilient Tile Flooring
096536		Static-Control Resilient Flooring
096600		Terrazzo Flooring
096623	M	Resinous Matrix Terrazzo Flooring (PDX)
096800 cpt123	M	Broadloom Carpeting (PDX) (includes CPT-1/2/3)
096800n ocpt123	M	Broadloom Carpeting (PDX) (does not include CPT-1/2/3)
096813	M	Tile Carpeting (PDX)
096900		Access Flooring
097200		Wall Coverings
097500		Stone Facing
097700		Special Wall Surfaces
099100	M	Painting (for interior & exterior architectural painting)
099700		Special Coatings (for painting concrete, masonry, steel, etc.)
Division 10 – Specialties		
101100		Visual Display Surfaces
101400		Identifying Devices (identity & way finding signage)
101453	M	Traffic Signage
101463	M	Baggage Information Display System
102113		Toilet Compartments
102226		Operable Partitions
102600		Wall and Door Protection (Wall and Corner Guards)
102800		Toilet and Bath Accessories
104400		Fire Protection Specialties
105100		Lockers
107343		Bus Stop Shelters
107500		Flagpoles
108000		Miscellaneous Specialties
Division 11 – Equipment		
111100		Vehicle Service Equipment
111200		Parking Control Equipment
111300		Loading Dock Equipment
111314		Loading Dock Levelers
112440		Façade Access Equipment
113100		Appliances
114000		Food Service Equipment
115213		Projection Screens
Division 12 – Furnishings		
122000		Window Treatments
124000		Furnishings and Accessories
124619		Clocks
124813		Entrance Floor Mats
124843		Floor Mats
125000		Furniture
126000		Multiple Seating
129200		Interior Plants and Planters
Division 13 – Special Construction		
133400		Pre-Engineered Buildings
Division 14 – Conveying Equipment		
142100	M	Traction Elevators
142400	M	Hydraulic Elevators
143100	M	Escalators
143200	M	Moving Walks
144000		Lifts
SUBGROUP: FACILITY SERVICES		
Division 21 – Fire Suppression		
210500	M	Common Work Results for Fire Suppression
210519	M	Gauges for Fire Suppression Systems
210520	M	Piping Specialties for Water-Based Fire Suppression Piping
210523	M	General Duty Valves for Water-Based Fire Suppression Piping
210529	M	Hangers & Supports for Fire Suppression Piping and Equipment

210548	M	Vibration and Seismic Controls for Fire Suppression Piping and Equipment
210553	M	Identification for Fire Suppression Piping & Equipment
210590	M	Pressure Testing of Fire Suppression Systems
210719	M	Fire Suppression Systems Insulation
211100	M	Fire Suppression Piping
211120	M	Fire Suppression Pumps
212000	M	Fire Suppression Systems
212200	M	Fire Detection/Inergen Suppression System
Division 22 – Plumbing		
220500	M	Common Work Results for Plumbing
220519	M	Meters and Gauges for Plumbing Piping
220520	M	Piping Specialties for Plumbing Piping
220523	M	General Duty Valves for Plumbing Piping
220529	M	Hangers & Supports for Plumbing Piping & Equip.
220545	M	Seismic Restraints for Plumbing Piping and Equipment
220548	M	Vibration & Seismic Controls for Plumbing Piping & Equipment
220553	M	Identification for Plumbing Piping and Equipment
220590	M	Pressure Testing of Plumbing Systems
220719	M	Plumbing Insulation
221100	M	Plumbing Piping
221120	M	Plumbing Pumps
221319	M	Liquid Grease Collection System
221320	M	Vacuum Grease Removal System
223000	M	Plumbing Equipment
224000	M	Plumbing Fixtures
Division 23 – Heating Ventilating & Air Conditioning		
230500	M	Common Work Results for HVAC
230518	M	Expansion Compensation
230519	M	Meters and Gauges for HVAC Piping
230520	M	Piping Specialties for HVAC Piping
230523	M	General Duty Valves for HVAC Piping
230529	M	Hangers & Supports for HVAC Piping and Equipment
230545	M	Seismic Restraints for HVAC Piping & Equipment
230548	M	Vibration & Seismic Controls for HVAC Piping & Equip
230553	M	Identification for HVAC Piping and Equipment
230590	M	Pressure Testing of HVAC Systems
230593	M	Testing, Adjusting, and Balancing
230719	M	HVAC Insulation
230900	M	Instrumentation and Controls for HVAC
231216		Gasoline Dispensing Pumps
232000	M	HVAC Piping
232215	M	Steam and Condensate Specialties
232220	M	HVAC Pumps
232400	M	Prefabricated Piping Systems
232500	M	HVAC Water Treatment
232923	M	Variable-Frequency Drives
233113	M	Low Pressure Ductwork
233114	M	Medium Pressure Ductwork
233115		High Pressure Ductwork
233300	M	Air Duct Accessories
233319	M	Sound Attenuators
233400	M	HVAC Fans
233443	M	Vehicle Exhaust Extraction System
233600	M	Air Terminal Units
233700	M	Air Outlets and Inlets
234000	M	HVAC Air Cleaning Devices
235100	M	Breechings, Chimneys, and Stacks
235200	M	Heating Boilers and Accessories
235500	M	Fuel-Fired Heaters
235523	M	Gas-Fired Radiant Heater
235700	M	Heat Exchangers for HVAC
236400	M	Packaged Water Chillers
237000	M	Central HVAC Equipment
238100	M	Decentralized Unitary HVAC Equipment

238116	M	Computer Room Air Conditioners
238200	M	Convection Heating and Cooling Units
Division 26 – Electrical		
260500	M	Common Work Results for Electrical
260513	M	Medium-Voltage Cables
260519	M	Low-Voltage Electrical Power Conductors and Cables
260526	M	Grounding and Bonding for Electrical Systems
260529	M	Hangers and Supports for Electrical Systems
260533	M	Raceway and Boxes for Electrical Systems
260536	M	Cable Trays for Electrical Systems
260543	M	Underground Ducts and Raceways for Electrical Systems
260553	M	Identification for Electrical Systems
260573	M	Electrical Systems Analysis
260800		Acceptance Testing
260913	M	Electrical Power Monitoring and Control
260943		Network Lighting Controls
261100	M	Substations
261216	M	Cast Coil Substation Transformers
261315		Medium-Voltage Solid-Dielectric Distribution Switchgear
262200	M	Low-Voltage Transformers
262300	M	Low-Voltage Draw-Out Metal-Enclosed Switchgear
262400	M	Switchboards and Panelboards
262500	M	Enclosed Bus Assemblies
262726	M	Wiring Devices
262816	M	Enclosed Switches and Circuit Breakers
262900	M	Motor Controllers
263353	M	Static Uninterruptible Power Supply
263600	M	Transfer Switches
265000	M	Lighting
265619		Roadway Lighting
265623	M	Apron Lighting
Division 27 – Communications		
270553	M	Identification for Telecommunication Systems
271000	M	Structured Cabling
274100		Audio-Video Systems
275116	M	Public Address and Mass Notification Systems (Paging Systems)
275117		Paging Loudspeakers
Division 28 – Electronic Safety & Security		
280513	M	Conductors and Cables for Electronic Safety and Security
280800	M	IASS Performance Verification Testing
281300	M	Security Access Control System
282300	M	Video Surveillance (CCTV System)
283100	M	Fire Detection and Alarm
SUBGROUP: SITE AND INFRASTRUCTURE		
Division 31 – Earthwork		
312000	M	Site Clearing and Earthwork
312300	M	Trenching, Backfilling, and Compacting
312319	M	Dewatering
313200		Soil Stabilization
313700		Riprap (land)
316213		Concrete Piles (land)
316214		Precast, Prestressed Concrete Piles (land)
316216		Steel Piles (land)
316217		Steel Sheet Piles (land)
316300		Bored Piles (land)
316329	M	Light Pole Base Piles
Division 32 – Exterior Improvements		
320117	M	Pavement Repair
320118	M	Crack Sealing in Flexible Pavements
320128	M	Sealing Cracks & Repairing Surface Imperfections in Rigid Pavements
321123	M	Aggregate Base Course
321133		Cement-Treated Base Course
321200	M	Asphalt Concrete Paving

321236	M	Bituminous Fog Seal Coat
321237	M	Blended Asphalt/Coal Tar Slurry Seal Coat
321238	M	Cape Seal
321239		Coal Tar Pitch Emulsion Seal Coat
321240	M	Tire Rubber Modified Surface Sealer (TRMSS)
321273	M	Asphalt Pavement Joint Sealant
321300	M	Portland Cement Concrete Paving
321373	M	Compression Joint Sealants for Rigid Pavement
321613	M	Concrete Curbs and Driveways
321614	M	Concrete Mow Strip and Controller Base
321615	M	Concrete Sidewalk
321723	M	Pavement Markings
323113	M	Chain-Link Fences and Gates
323114	M	Automatic Gate Operator and Control
327200		Woody Debris Structures
328400	M	Planting Irrigation
329000	M	Landscape Maintenance (for PDX projects)
329113	M	Soil Preparation
329119	M	Landscape Grading
329200	M	Clearing and Seeding
329219	M	Seeding
329223	M	Sodding
329300	M	Trees, Shrubs, and Ground Covers
Division 33 – Utilities		
330516		Utility Structures
330523		Horizontal Directional Drilling
330900	M	Tenant Metering System
331116	M	Site Water Utility Distribution Plumbing
331233	M	Water Utility Meters
333100	M	Sanitary Utility Sewerage Piping
333213		Sanitary Sewer Pump Station
334100	M	Storm Utility Drainage Piping
334213		Storm Water Pump Station
334419		Storm Water Treatment System
334800		Storm Water Swale and Filter Strips
335133	M	Natural Gas Utility Meters
337173	M	Electric Utility Meters
Division 34 – Transportation		
341126		Track Rail Ballast
344113		Traffic Signals
344300		Airfield Lighting
344301		Raising of Existing Lights and Base Cans
344302		Aircraft Guidance Signage
347113	M	Pipe Bollards
347716		Baggage Conveyors
Division 35 – Waterway & Marine		
350100		Dock Inspection and Fumigant Treatment
352023	M	Dredging
354000	M	Waterway Construction
354237		Riprap Bank Protection (marine)
355912	M	Heavy Timber Pier Construction
355913	M	Timber Fender Piles
355920		Marine Fenders
356213		Concrete Piles (marine)
356214	M	Precast, Prestressed Concrete Piles (marine)
356215		Steel Pile Bents
356216	M	Steel Pipe Piles (marine)
356217		Steel Sheet Piles (marine)
356220		Pile Repairs (marine)
Division 38 – Special Amendments to COP Specs		
Division 39 – Special Amendments to ODOT specs		
SUBGROUP: PROCESS EQUIPMENT		
Division 41 – Material Proc. & Handling Equip.		
412214		Crane Rail
Division 44 – Pollution Control Equip.		
444000		Water Treatment Equipment
<i>Total of 196 Port office masters (as of 5/8/18)</i>		

FAA/PORT MASTER SECTIONS		
* * * PREPARED BY PORT STAFF * * *		
GP-50	M	Construction Layout and Stakes
GP-100	M	Contractor Quality Control Program
GP-110	M	Method of Estimating Percentage of Material Within Specification Limits (PWL)
<i>Note: The "GP" sections are Port-originated to fill technical gap between FAA's General Provisions and the Port's General Conditions.</i>		
PORT MODIFICATIONS		
Use the FAA's latest master specifications with regional modifications, as well as additional Port-specific modifications. Below is a list of the Port's standard modifications and the Items affected.		
P-152 Excavation, Subgrade, and Embankment		
		Geotextile and Unsuitable Excavation Modification
		Contaminated Excavation Modification
P-401 Hot Mix Asphalt (HMA) Pavements		
		Survey Grade Determination Modification
P-403 Hot Mix Asphalt (HMA) Pavements (Base, Leveling, or Surface Course)		
		Survey Grade Determination Modification
P-620 Runway and Taxiway Marking		
		Marking Removal and Phasing Marking Modification
D-751 Manholes, Catch Basins, Inlets, and Inspection Holes		
		Manhole Steps Modification
T-901 Seeding		
		Local Seed Modification
		Fertilizer Modification
L-108 Underground Power Cable for Airports		
		Insulation Modification
		<i>Total of 9 Port standard modifications (as of 12/6/17)</i>