

ETB Intranet & Procedural Manual .

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Divisions A0-0-00 to A0-9-00 of this work are entirely the creation of R.S Morum.

Division 01-0-00 onwards is based on the american CSI system.

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[01544 - CONSTRUCTION SCAFFOLDING & PLATFORMS](#)

[01548 - CONSTRUCTION TOOLS](#)

01550 ACCESS ROADS & PARKING AREAS

01560 TEMPORARY CONTROLS

01570 TRAFFIC REGULATION

01580 PROJECT IDENTIFICATION & SIGNS

01590 FIELD OFFICES & SHEDS

01600 Product Requirements

01700 Execution Requirements

01730

01731 Cutting and Patching

01732 Selective Demolition

01760 INSTALLED CONSTRUCTION PROTECTION

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01770 CLOSEOUT PROCEDURES

01781 Project Record Documents

01782 Operation and Maintenance Data

01800 Facility Operation

01810 GENERAL COMMISSIONING REQUIREMENTS

01815 HVAC COMMISSIONING REQUIREMENTS

01820 DEMONSTRATION AND TRAINING

Div.02-0-00 Site Construction.

02000 Sitework

02000_SITWORK-DOC

02000-01-Civil Details

02000-02-Site-CAD-3d

02000-03-Landscaping

02000-04-Playground-CAD-3d

02050 DEMOLITION

02060 BUILDING DEMOLITION

02070 SELECTIVE DEMOLITION

02075 Concrete Removal

02080 HAZARDOUS MATERIAL ABATEMENT

02140 DEWATERING

02142 Sand Drains

02144 Well Points

02146 French Drains

02148 Relief Wells

02150 SHARING & UNDERPINNING

02152 Shores

02153 Needle Beams

02154 Grillage

02156 Underpinning

02158 Slabjacking

02160 EXCAVATION SUPPORT SYSTEMS

02162 Cribbing & Walers

02164 Soil & Rock Anchors

02166 Ground Freezing

02167 Reinforced Earth

02168 Slurry Wall Construction

02200 Site Preparation

02210 SUBSURFACE INVESTIGATION

02220 SITE DEMOLITION

02230

02240 DE-WATERING

02250 SHORING & UNDERPINNING

02270

02280

02290

02300 Earthwork

02305 TUNNEL VENTILATION & COMPRESSION

02310 TUNNEL EXCAVATING

02320 TUNNEL LINING

02330 TUNNEL GROUTING

02340 TUNNEL SUPPORT SYSTEMS

02350 PILES & CAISSONS

02355 PILE DRIVING

02360 DRIVEN PILES

02370 BORED/AUGERED PILES

02380 CAISSONS

02390 REPAIR OF PILES

02400

02450 RAILROAD WORK

02452 Railroad Trackwork

02454 Railroad Service Facilities

02456 Railroad Traffic Control

02480 MARINE WORK

02482 Dredging

02484 Seawalls & Bulkheads

02486 Groins & Jetties

02488 Docks & Facilities

02490 UNDERWATER WORK

02500

02510 WATER DISTRIBUTION

02520

02525 Water Supply Wells

02530 SANITARY SEWERAGE

02540 SEPTIC TANK SYSTEMS

02550 FUEL SYSTEMS

02553 Natural Gas Distribution

02554 Fuel-Oil Distribution

02600

02620

02621 Foundation Drainage Piping

02630 STORM DRAINAGE

02700

02740

02741 Hot-Mix Asphalt Paving

02750

02751 Cement Concrete Pavement

02780 UNIT PAVERS

02800

02810

02813 Lawn Sprinkler Piping

02820

02821 Chain Link Fences & Gates

02830

02832 Segmental Retaining Walls

02840 WALK, ROAD & PARKING APPURTENANCES

02841 Segmental Retaining Walls

02850

02851

02860

02861

02870 SITE, STREET & MALL FURNISHINGS

02871

02900

02920 LAWNS & GRASSES

02930 EXTERIOR PLANTS

Div.03-0-00 Concrete.

03300 Cast-In-Place Concrete

03370

03400

03410 PLANT-PRECAST STRUCTURAL CONCRETE

03450 PLANT-PRECAST ARCHITECTURAL CONCRETE

03470 TILT-UP PRECAST CONCRETE

Div. 04-0-00 Masonry.

04000

04060

04065 Masonry Mortar & Masonry Grout

04080

04082 Masonry Anchorage, Reinforcement & Accessories

04082-01 Masonry Rebars

04082-01a (#3) 3/8in Rebar

04082-01-02 (#4) 1/2in Rebar

04082-01c (#5) 5/8in Rebar

04082-01d (#6) 3/4in Rebar

04082-01e (#7) 7/8in Rebar

04082-01f (#8) 1in Rebar

04200 Masonry Units

04400 STONE

0440-01 Stone General

04800

04810 UNIT MASONRY ASSEMBLIES

04815 Glass Unit Masonry Assemblies

04860 STONE VENEER ASSEMBLIES

Div. 5-0-00 Metals.

05100

05120 STRUCTURAL STEEL

05200

05210 STEEL JOISTS

05300

05310 STEEL DECK

05400 Cold-Formed Metal Framing

05500 Metal Fabrications

05520 HANDRAILS & RAILING

05600

05700

05710

05715 Fabricated Spiral Stairs

Div. 6-0-00 Wood & Plastics.

06000 Wood / Lumber General

06010 STANDARDS

06011 General Softwood Lumber Standards

06011-01 American Lumber Standards.doc

06011-02 American Lumber Standards.pdf

06100 Rough Carpentry

06105 MISCELLANEOUS CARPENTRY

06160 SHEETS-BOARDS

06162 Fiberboard Sheets

06163 OSB, MDF & Particleboard Sheets

06170

06176 Metal-Plate-Connected Wood Trusses

06180

06185 Structural Glued/ Laminated Timber

06200 Finish Carpentry

06300

06400

06401 Exterior Architectural Woodwork

06402 Interior Architectural Woodwork

06402-01 Wood Chair Rails

06402-01a Wood Chair Rail CAD Details

[06402-01aa-Wood-Chair-Rail.dwg](#)

06500

06600

06604 PLASTIC ORNAMENTATION

Div. 7-0-00 Thermal & Moisture Protection.

07100

07110

07115 Bituminous Dampproofing

07130

07131 Composite Sheet Waterproofing

07200

07210 BUILDING INSULATION

07240

07241 Exterior Insulation & Finish Systems –Class Pb

07300

07310

07311 Asphalt Shingles

07317 Wood Shingles & Shakes

07400

07410

07411 Metal Roof Panels

07412 Metal Wall Panels

07460 SIDING

07500

07510

07511 Built-Up Asphalt Roofing

07530

07531 Epdm Elastomeric Membrane Roofing

07550

07552 Sbs-Modified Bituminous Membrane Roofing

07600

07610 SHEET METAL ROOFING

07620 SHEET METAL FLASHING & TRIM

07700

07710 MANUFACTURED ROOF SPECIALTIES

07720 ROOF ACCESSORIES

07800

07810

07811 Sprayed Fire-Resistive Materials

07840

07841 Through-Penetration Firestop Systems

07900

07920 JOINT SEALANTS

Div. 8-0-00 Doors & Windows.

08100

08110 STEEL DOORS & FRAMES

08160

08163 Sliding Aluminum-Framed Glass Doors

08200

08210

08211 Flush Wood Doors

08212 Stile & Rail Wood Doors

08260

08263 Sliding Wood-Framed Glass Doors

08300

08310 ACCESS DOORS & PANELS

08330

08331 Overhead Coiling Doors

08350

08351 Folding Doors

08360

08361 Sectional Overhead Doors

08400

08410

08411 Aluminum-Framed Storefronts

08500

08520 ALUMINUM WINDOWS

08550 WOOD WINDOWS

08560

08561 Vinyl Windows

08600

08610 ROOF WINDOWS

08620 UNIT SKYLIGHTS

08700

08710 DOOR HARDWARE

08710 Door Hardware

08716 Power Door Operators

08800 Glazing

08960 Sloped Glazing Systems

Div. 9-0-00 Finishes .

09100

09200

09210 GYPSUM PLASTER

09215 Gypsum Veneer Plaster

09220 PORTLAND CEMENT PLASTER

09260 GYPSUM BOARD ASSEMBLIES

09270

09271 Glass-Reinforced Gypsum Fabrications

09300

09310 CERAMIC TILE

09380

09385 Dimension Stone Tile

09500

09510

09511 Acoustical Panel Ceilings

09512 Acoustical Tile Ceilings

09600

09630

09638 Stone Paving & Flooring

09640 WOOD FLOORING

09650

09651 Resilient Tile Flooring

09652 Sheet Vinyl Floor Covering

09653 Resilient Wall Base & Accessories

09680 CARPET

09681 Carpet Tile

09700

09720 WALL COVERINGS

09750

09751 Interior Stone Facing

09770

09771 Fabric-Wrapped Panels

09900

09910 PAINTING

09930

09931 Exterior Wood Stains

Div.10-0-00 Specialties.

10100

10150

10155 Toilet Compartments

10200 Louvers & Vents

10260

10265 Impact-Resistant Wall Protection

10400

10420

10426 Signs

10426-01 General Signs

10426-02 Toilet Signs

10500

10520 FIRE PROTECTION SPECIALTIES

10600

10650

10651 Operable Panel Partitions

10700

10750 TELEPHONE SPECIALTIES

10800

10801 Toilet & Bath Accessories

10810

Div.11-0-00 Equipment.

11100

11130

11132 Projection Screens

11400

11450

11451 Residential Appliances

11460 UNIT KITCHENS

Div.12-0-00 Furnishings.

12000 Furnishings General

12300

12350

12352 Laboratory casework

12356 Kitchen Casework

12400

12480

12481 Floor Mats & Frames

12490

12491 Horizontal Louver Blinds

12492 Vertical Louver Blinds

12496 Window Treatment Hardware

Div.13-0-00 Special Construction.

13000

13030

13038 Saunas

13100 Lightning Protection

13120

13125 Metal Building Systems

13800

13850

13851 Fire Alarm

13900

13930 WET-PIPE FIRE-SUPPRESSION SPRINKLERS

Div. 14-0-00 Conveying Systems.

14200

14240 HYDRAULIC ELEVATORS

14400

14420 WHEELCHAIR LIFTS

Div. 15-0-00 Mechanical.

15000

15050

15055 Common Piping Requirements

15080 MECHANICAL INSULATION

15100

15110 VALVES

15130 PUMPS

15140 DOMESTIC WATER PIPING

15150 SANITARY WASTE & VENT PIPING

15160 STORM DRAINAGE

15180

15181 Hydronic Piping

15183 Refrigerant Piping

15190

15198 Natural Gas Piping

15400

15410 PLUMBING FIXTURES

15420

15425 Plumbing Specialties

15480 DOMESTIC WATER HEATERS

15500

15510 HEATING BOILERS & ACCESSORIES

15530 FURNACES

15550

15554 Flues & Vents

15600

15620

15628 Reciprocating Water Chillers

15670

15671 Condensing Units

15700

15730

15732 Packaged Rooftop Air-Conditioning Units

15734 Packaged Terminal Air-Conditioning Units

15740

15745 Water-Source Heat Pumps

15760

15763 Fan-Coil Units

15764 Finned-Tube Radiation

15766 Unit Heaters

15800

15810 DUCTS & ACCESSORIES

15830

15838 Power Ventilators

15850

15855 Diffusers, Registers, & Grilles

15900 Hvac Instrumentation & Controls

Div. 16-0-00 Electrical.

16100 Wiring Methods

16140 WIRING DEVICES

16400

16410 ENCLOSED SWITCHES & CIRCUIT BREAKERS

16420 MOTOR CONTROLLERS

16440

16442 Panelboards

16460 LOW-VOLTAGE TRANSFORMERS

16500 Lighting

16700

16710

16715 Telephone Service & Distribution

16720

16726 Public Address & Music Equipment