TABLE OF CONTENTS

INTRODUCTORY INFORMATION

Section	00 00 10	Title Page
	00 00 20	Table of Contents

<u>DIVISION 0 - BIDDING REQUIREMENTS, CONTRACTOR FORMS AND CONDITIONS</u> <u>OF THE CONTRACT</u>

Section	00 02 00	Notice to Bidders
	00 10 00	Instructions to Bidders
	00 12 10	Substitution Request Form
	00 20 00	Information Available to Bidders
	00 30 50	Bidder Reminder List
	00 31 00	Bid Form
	00 37 00	Standard Forms
	00 41 00	Bid Bond
	00 43 50	Subcontractors and Products List
	00 50 00	Standard Form of Agreement
	00 61 00	Performance Bond and Payment Bond
	00 70 00	Amended General Conditions
	00 82 00	Schedule of Insurance Requirements

DIVISION 1 - GENERAL REQUIREMENTS

Section	01 12 00	Multiple Contract Summary
	01 21 00	Allowances
	01 25 00	Contract Modification Procedures
	01 28 00	Schedule of Values
	01 29 00	Application for Payment
	01 31 00	Project Meetings
	01 32 00	Schedules and Reports
	01 33 00	Submittal Procedures
	01 40 00	Quality Requirements
	01 45 10	Testing Laboratory Services
	01 50 50	Temporary Facilities and Controls
	01 51 10	Temporary Electricity, Lighting and Warning Systems
	01 51 30	Temporary Heating, Ventilation and Cooling
	01 51 40	Temporary Telephone
	01 51 50	Temporary Water
	01 51 80	Temporary Fire Protection
	01 52 10	Construction Aids and Temporary Enclosures
	01 52 60	Rubbish Container

01 53 20	Tree and Plant Protection
01 53 30	Barricades
01 54 60	Environment Protection
01 54 80	Utility Protection
01 56 20	Dust Control
01 56 30	Water Control
01 56 80	Erosion Control
01 56 90	Housekeeping and Safety
01 59 20	Offices and Sheds
01 60 00	Product Requirements
01 71 50	Final Cleaning
01 72 00	Field Engineering
01 72 50	Work Layout
01 73 10	Cutting and Patching
01 77 00	Contract Closeout

DIVISION 2 – EXISTING CONDITIONS

Section	02 41 16	Structure Demolition
	02 41 19	Selective Structure Demolition

DIVISION 03 – CONCRETE

Section 03 30 00 Cast-In-Place Concrete

DIVISION 04 – MASONRY

Section	04 01 10	Masonry Cleaning
	04 20 00	Unit Masonry

DIVISION 05 – METALS

Section	05 12 00	Structural Steel Framing
	05 21 00	Steel Joist Framing
	05 31 00	Steel Decking
	05 40 00	Cold-Formed Metal Framing
	05 50 00	Metal Fabrications
	05 52 13	Pipe and Tube Railings
	05 53 13	Bar Grating

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

Section	06 10 00	Rough Carpentry
	06 16 00	Sheathing

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

Section	07 19 00	Water Repellents
	07 21 00	Thermal Insulation
	07 24 13	Polymer-Based Exterior Insulation and Finish System (EIFS)
	07 27 26	Fluid-Applied Membrane Air Barriers
	07 42 13.19	Insulated Metal Wall Panels
	07 51 13	Built-Up Asphalt Roofing
	07 53 23	Ethylene-Propylene-Diene-Monomer (EPDM) Roofing
	07 62 00	Sheet Metal Flashing and Trim
	07 71 00	Roof Specialties
	07 71 29	Manufactured Roof Expansion Joints
	07 72 00	Roof Accessories
	07 84 13	Penetration Firestopping
	07 84 46	Fire-Resistive Joint Systems
	07 92 00	Joint Sealants
	07 95 13.13	Interior Expansion Joint Cover Assemblies
	07 95 13.16	Exterior Expansion Joint Cover Assemblies

DIVISION 08 – OPENINGS

08 11 13	Hollow Metal Doors and Frames
08 14 16	Flush Wood Doors
08 31 13	Access Doors and Frames
08 33 13	Coiling Counter Doors
08 41 13	Aluminum-Framed Entrances and Storefronts
08 44 13	Glazed Aluminum Curtain Walls
08 45 23	Fiberglass-Sandwich-Panel Assemblies
08 51 13	Aluminum Windows
08 71 00	Door Hardware
08 80 00	Glazing
08 91 19	Fixed Louvers
	08 14 16 08 31 13 08 33 13 08 41 13 08 44 13 08 45 23 08 51 13 08 71 00 08 80 00

DIVISION 09 – FINISHES

Section	09 22 16 09 26 13 09 29 00 09 30 00 09 51 13 09 51 23 09 54 23 09 64 66 09 65 00 09 65 13 09 68 13	Non-Structural Metal Framing Gypsum Veneer Plastering Gypsum Board Tiling Acoustical Panel Ceilings Acoustical Tile Ceilings Linear Metal Ceilings Wood Athletic Flooring Resilient Flooring Resilient Base and Accessories Tile Carpeting
	09 68 16	Sheet Carpeting

09 84 33	Sound-Absorbing Wall Units
09 91 13	Exterior Painting
09 91 23	Interior Painting

<u>DIVISION 10 – SPECIALTIES</u>

Section	10 11 00	Visual Display Surfaces
	10 12 00	Display Cases
	10 14 19	Dimensional Letter Signage
	10 14 53	Traffic Signage
	10 14 63	Electronic Message Signage
	10 21 13	Toilet Compartments
	10 28 00	Toilet, Bath, and Laundry Accessories
	10 44 13	Fire Protection Cabinets
	10 44 16	Fire Extinguishers
	10 51 13	Metal Lockers

DIVISION 11 – EQUIPMENT

Section	11 13 13	Loading Dock Bumpers
	11 33 00	Retractable Stairs
	11 66 23	Gymnasium Equipment
	11 66 43	Interior Scoreboards

DIVISION 12 – FURNISHINGS

Section	12 24 13	Roller Window Shades
	12 32 00	Manufactured Wood Casework
	12 66 00	Telescoping Stands
	12 93 00	Site Furnishings

DIVISION 13 - SPECIAL CONSTRUCTION (Not Applicable)

DIVISION 14 - CONVEYING EQUIPMENT (Not Applicable)

DIVISION 21 - FIRE SUPPRESSION

Section	21 05 00	Common Work Results for Fire Suppression
	21 10 00	Water Based Fire Suppression Systems
DIVISION 22 – PLUMBING		•

Section	22 05 00	Common Work Results for Plumbing
	22 05 13	Common Motor Requirements for Plumbing Equipment
	22 05 19	Meters and Gages for Plumbing Piping
	22 05 23	General Duty Valves for Plumbing Piping

22 05 29	Hangers and Supports for Plumbing Piping and Equipment
22 05 53	Identification for Plumbing Piping and Equipment
22 07 00	Plumbing Insulation
22 11 13	Facility Water Distribution Piping
22 11 16	Domestic Water Piping
22 11 19	Domestic Water Piping Specialties
22 13 13	Facility Sanitary Sewers
22 13 16	Sanitary Waste and Vent Piping
22 13 19	Sanitary Waste Piping Specialties
22 14 13	Facility Storm Drainage Piping
22 14 23	Storm Drainage Piping Specialties
22 31 00	Domestic Water Softeners
22 40 00	Plumbing Fixtures

DIVISION 23 - HEATING, VENTILATING, and AIR CONDITIONING (HVAC)

Section	23 05 00	Common Work Results for HVAC
	23 05 13	Common Motor Requirements for HVAC Equipment
	23 05 19	Meters and Gages for HVAC Piping
	23 05 23	General Duty Valves for HVAC Piping
	23 05 29	Hangers and Supports for HVAC Piping and Equipment
	23 05 53	Identification for HVAC Piping and Equipment
	23 05 93	Testing, Adjusting, and Balancing for HVAC
	23 07 00	HVAC Insulation
	23 09 00	Instrumentation and Control for HVAC
	23 09 93	Sequence of Operations for HVAC Controls
	23 11 23	Facility Natural Gas Piping
	23 21 13	Hydronic Piping
	23 21 23	Hydronic Pumps
	23 23 00	Refrigerant Piping
	23 25 00	HVAC Water Treatment
	23 31 13	Metal Ducts
	23 33 00	Air Duct Accessories
	23 34 23	HVAC Power Ventilators
	23 36 00	Air Terminal Units
	23 37 13	Diffusers, Registers, and Grilles
	23 51 00	Breechings, Chimneys, and Stacks
	23 62 00	Packaged Compressor and Condenser Units
	23 73 13	
	23 81 26	Split System Air Conditioners
	23 82 21	Self Contained Vertical Unit Ventilators
DIVISION	26 – ELECTRI	<u>CAL</u>

Section	26 05 00	Common Work Results for Electrical
	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 43	Underground Ducts and Raceways for Electrical Systems
26 05 44	Sleeves and Sleeve Seals for Electrical Raceways and Cabling
26 05 53	Identification for Electrical Systems
26 09 23	Lighting Control Devices
26 09 43	Network Lighting Controls
26 22 00	Low Voltage Transformers
26 24 16	Panelboards
26 27 26	Wiring Devices
26 29 13	Enclosed Controllers
26 29 23	Variable Frequency Motor Controllers
26 32 13	Engine Generators
26 36 00	Transfer Switches
26 43 13	Surge Protection for Low-Voltage Electrical Power Circuits
26 51 00	Interior Lighting
26 56 00	Exterior Lighting

DIVISION 27 – COMMUNICATIONS

Section	27 05 00	Common Work Results for Communications
	27 05 26	Grounding and Bonding for Communications Systems
	27 05 28	Pathways for Communications Systems
	27 05 29	Hangers and Supports for Communications Systems
	27 05 36	Cable Trays for Communications Systems
	27 05 53	Identification for Communications Systems
	27 11 00	Communications Equipment Room Fittings
	27 11 16	Communications Racks, Frames, and Enclosures
	27 13 23	Communications Optical Fiber Backbone Cabling
	27 15 13	Communications Copper Horizontal Cabling

DIVISION 28 - ELECTRONIC SAFETY and SECURITY

Section 28 31 00 Fire Detection and Alarm

DIVISION 31 – EARTHWORK

Section	31 10 00	Site Clearing
	31 20 00	Earth Moving
	31 23 19	Dewatering
	31 31 16	Termite Control

DIVISION 32 - EXTERIOR IMPROVEMENTS

Section	32 12 16	Asphalt Paving
	32 13 13	Concrete Paving
	32 13 73	Concrete Paving Joint Sealants
	32 17 23	Pavement Markings

32 32 23	Segmental Retaining Wall
32 92 00	Turf and Grasses
32 93 00	Plants

<u>DIVISION 33 – UTILITIES</u>

Section	33 01 00	Excavating, Trenching, and Backfilling for Utilities
	33 41 00	Storm Utility Drainage Piping

END OF SECTION 00 00 20

TABLE of CONTENTS

Refer to Construction Manager's Project Manual issued by The Skillman Corporation for additional procurement, contracting, and general requirements.

VOLUME 2

DIVISION 00 - PROCUREMENT and CONTRACTING REQUIREMENTS

PROCUREMENT REQUIREMENTS

00 3100 Available Project Information

CONTRACTING REQUIREMENTS

00 6325 Substitution during Construction Request Form

DIVISION 01 - GENERAL REQUIREMENTS

01 2200 01 2300 01 2600 01 2900 01 3100 01 3300 01 4000 01 4200 01 6000 01 7300 01 7329 01 7700 01 7823 01 7839	Unit Prices Alternates Contract Modification Procedures Payment Procedures Project Management and Coordination Submittal Procedures Quality Requirements References Product Requirements Execution Cutting and Patching Closeout Procedures Operation and Maintenance Data Project Record Documents
	Project Record Documents Demonstration and Training
	ŭ

DIVISION 02 - EXISTING CONDITIONS

02 4116	Structure Demolition
02 4119	Selective Structure Demolition

DIVISION 03 - CONCRETE

03 3000 Cast-In-Place Concrete

DIVISION 04 - MASONRY

04 0110	Masonry Cleaning
04 2000	Unit Masonry

DIVISION 05 - METALS

05 1200	Structural Steel Framing
05 2100	Steel Joist Framing
05 3100	Steel Decking
05 4000	Cold-Formed Metal Framing
05 5000	Metal Fabrications
05 5213	Pipe and Tube Railings
05 5313	Bar Grating

DIVISION 06 - WOOD, PLASTICS, and COMPOSITES

06 1000	Rough Carpentry
06 1600	Sheathing

DIVISION 07 - THERMAL and MOISTURE PROTECTION

07 1900	Water Repellents
07 2100	Thermal Insulation
07 2413	Polymer-Based Exterior Insulation and Finish System (EIFS)
07 2726	Fluid-Applied Membrane Air Barriers
07 4213.19	Insulated Metal Wall Panels
07 5113	Built-Up Asphalt Roofing
07 5323	Ethylene-Propylene-Diene-Monomer (EPDM) Roofing
07 6200	Sheet Metal Flashing and Trim
07 7100	Roof Specialties
07 7129	Manufactured Roof Expansion Joints
07 7200	Roof Accessories
07 8413	Penetration Firestopping
07 8446	Fire-Resistive Joint Systems
07 9200	Joint Sealants
07 9513.13	Interior Expansion Joint Cover Assemblies
07 9513.16	Exterior Expansion Joint Cover Assemblies

DIVISION 08 - OPENINGS

08 1113	Hollow Metal Doors and Frames
08 1416	Flush Wood Doors
08 3113	Access Doors and Frames
08 3313	Coiling Counter Doors
08 4113	Aluminum-Framed Entrances and Storefronts
08 4413	Glazed Aluminum Curtain Walls
08 4523	Fiberglass-Sandwich-Panel Assemblies
08 5113	Aluminum Windows
08 7100	Door Hardware
08 8000	Glazing
08 9119	Fixed Louvers

DIVISION 09 - FINISHES

09 2216 Non-Structural Metal Framing

09 2613	Gypsum Veneer Plastering
09 2900	Gypsum Board
09 3000	Tiling
09 5113	Acoustical Panel Ceilings
09 5123	Acoustical Tile Ceilings
09 5423	Linear Metal Ceilings
09 6466	Wood Athletic Flooring
09 6500	Resilient Flooring
09 6513	Resilient Base and Accessories
09 6813	Tile Carpeting
09 6816	Sheet Carpeting
09 8433	Sound-Absorbing Wall Units
09 9113	Exterior Painting
09 9123	Interior Painting
	-

DIVISION 10 - SPECIALTIES

10 1100	Visual Display Surfaces
10 1200	Display Cases
10 1419	Dimensional Letter Signage
10 1453	Traffic Signage
10 1463	Electronic Message Signage
10 2113	Toilet Compartments
10 2800	Toilet, Bath, and Laundry Accessories
10 4413	Fire Protection Cabinets
10 4416	Fire Extinguishers
10 5113	Metal Lockers

DIVISION 11 - EQUIPMENT

11 1313	Loading Dock Bumpers
11 3300	Retractable Stairs
11 6623	Gymnasium Equipment
11 6643	Interior Scoreboards

DIVISION 12 - FURNISHINGS

12 2413	Roller Window Shades
12 3200	Manufactured Wood Casework
12 6600	Telescoping Stands
12 9300	Site Furnishings

DIVISION 13 - SPECIAL CONSTRUCTION (Not Applicable)

DIVISION 14 - CONVEYING EQUIPMENT (Not Applicable)

VOLUME 3

DIVISION 21 - FIRE SUPPRESSION

21 0500 Common Work Results for Fire Suppression

21 1000 Water Based Fire Suppression Systems

DIVISION 22 - PLUMBING

22 0500	Common Work Results for Plumbing
22 0513	Common Motor Requirements for Plumbing Equipment
22 0519	Meters and Gages for Plumbing Piping
22 0523	General Duty Valves for Plumbing Piping
22 0529	Hangers and Supports for Plumbing Piping and Equipment
22 0553	Identification for Plumbing Piping and Equipment
22 0700	Plumbing Insulation
22 1113	Facility Water Distribution Piping
22 1116	Domestic Water Piping
22 1119	Domestic Water Piping Specialties
22 1313	Facility Sanitary Sewers
22 1316	Sanitary Waste and Vent Piping
22 1319	Sanitary Waste Piping Specialties
22 1413	Facility Storm Drainage Piping
22 1423	Storm Drainage Piping Specialties
22 3100	Domestic Water Softeners
22 4000	Plumbing Fixtures

DIVISION 23 - HEATING, VENTILATING, and AIR CONDITIONING (HVAC)

23 0500 23 0513	Common Work Results for HVAC Common Motor Requirements for HVAC Equipment
23 0519	Meters and Gages for HVAC Piping
23 0523	General Duty Valves for HVAC Piping
23 0529	Hangers and Supports for HVAC Piping and Equipment
23 0553	Identification for HVAC Piping and Equipment
23 0593	Testing, Adjusting, and Balancing for HVAC
23 0700	HVAC Insulation
23 0900	Instrumentation and Control for HVAC
23 0993	Sequence of Operations for HVAC Controls
23 1123	Facility Natural Gas Piping
23 2113	Hydronic Piping
23 2123	Hydronic Pumps
23 2300	Refrigerant Piping
23 2500	HVAC Water Treatment
23 3113	Metal Ducts
23 3300	Air Duct Accessories
23 3423	HVAC Power Ventilators
23 3600	Air Terminal Units
23 3713	Diffusers, Registers, and Grilles
23 5100	Breechings, Chimneys, and Stacks
23 6200	Packaged Compressor and Condenser Units
23 7313	Modular Indoor Central Station Air Handling Units
23 8126	Split System Air Conditioners
23 8221	Self Contained Vertical Unit Ventilators

DIVISION 26 - ELECTRICAL

26 0500 26 0519	Common Work Results for Electrical Low-Voltage Electrical Power Conductors and Cables
26 0526	Grounding and Bonding for Electrical Systems
26 0529	Hangers and Supports for Electrical Systems
26 0533	Raceways and Boxes for Electrical Systems
26 0543	Underground Ducts and Raceways for Electrical Systems
26 0544	, ,
	Sleeves and Sleeve Seals for Electrical Raceways and Cabling
26 0553	Identification for Electrical Systems
26 0923	Lighting Control Devices
26 0943	Network Lighting Controls
26 2200	Low Voltage Transformers
26 2416	Panelboards
26 2726	Wiring Devices
26 2913	Enclosed Controllers
26 2923	Variable Frequency Motor Controllers
26 3213	Engine Generators
26 3600	Transfer Switches
26 4313	Surge Protection for Low-Voltage Electrical Power Circuits
26 5100	Interior Lighting
26 5600	Exterior Lighting
20 0000	Exterior Lighting

DIVISION 27 - COMMUNICATIONS

27 0500	Common Work Results for Communications
27 0526	Grounding and Bonding for Communications Systems
27 0528	Pathways for Communications Systems
27 0529	Hangers and Supports for Communications Systems
27 0536	Cable Trays for Communications Systems
27 0553	Identification for Communications Systems
27 1100	Communications Equipment Room Fittings
27 1116	Communications Racks, Frames, and Enclosures
27 1323	Communications Optical Fiber Backbone Cabling
27 1513	Communications Copper Horizontal Cabling

DIVISION 28 - ELECTRONIC SAFETY and SECURITY

28 3100 Fire Detection and Alarm

DIVISION 31 - EARTHWORK

31 1000	Site Clearing
31 2000	Earth Moving
31 2319	Dewatering
31 3116	Termite Contro

DIVISION 32 - EXTERIOR IMPROVEMENTS

32 1216	Asphalt Paving
32 1313	Concrete Paving

PROJECT NO. 18-501 PHOENIX HIGH SCHOOL ADDITION AND REMODELING KALAMAZOO PUBLIC SCHOOLS

TABLE OF CONTENTS 6 11/12/2018

32 1373	Concrete Paving Joint Sealants
32 1723	Pavement Markings
32 3223	Segmental Retaining Wall
32 9200	Turf and Grasses
32 9300	Plants

DIVISION 33 - UTILITIES

33 0100	Excavating, Trenching, and Backfilling for Utilities
33 4100	Storm Utility Drainage Piping

END OF TABLE OF CONTENTS

TABLE of CONTENTS

Refer to Construction Manager's Project Manual issued by The Skillman Corporation for additional procurement, contracting, and general requirements.

VOLUME 3

DIVISION 00 - PROCUREMENT and CONTRACTING REQUIREMENTS

PROCUREMENT REQUIREMENTS

00 3100 Available Project Information

CONTRACTING REQUIREMENTS

00 6325 Substitution during Construction Request Form

DIVISION 01 - GENERAL REQUIREMENTS

01 2200 01 2300 01 2600 01 2900 01 3100 01 3300 01 4000 01 4200 01 6000 01 7300 01 7329 01 7700 01 7823 01 7839	Unit Prices Alternates Contract Modification Procedures Payment Procedures Project Management and Coordination Submittal Procedures Quality Requirements References Product Requirements Execution Cutting and Patching Closeout Procedures Operation and Maintenance Data Project Record Documents
	Project Record Documents Demonstration and Training
	ŭ

DIVISION 02 - EXISTING CONDITIONS

02 4116	Structure Demolition
02 4119	Selective Structure Demolition

DIVISION 03 - CONCRETE

03 3000 Cast-In-Place Concrete

DIVISION 04 - MASONRY

04 0110	Masonry Cleaning
04 2000	Unit Masonry

DIVISION 05 - METALS

05 1200	Structural Steel Framing
05 2100	Steel Joist Framing
05 3100	Steel Decking
05 4000	Cold-Formed Metal Framing
05 5000	Metal Fabrications
05 5213	Pipe and Tube Railings
05 5313	Bar Grating

DIVISION 06 - WOOD, PLASTICS, and COMPOSITES

06 1000	Rough Carpentry
06 1600	Sheathing

DIVISION 07 - THERMAL and MOISTURE PROTECTION

07 1900	Water Repellents
07 2100	Thermal Insulation
07 2413	Polymer-Based Exterior Insulation and Finish System (EIFS)
07 2726	Fluid-Applied Membrane Air Barriers
07 4213.19	Insulated Metal Wall Panels
07 5113	Built-Up Asphalt Roofing
07 5323	Ethylene-Propylene-Diene-Monomer (EPDM) Roofing
07 6200	Sheet Metal Flashing and Trim
07 7100	Roof Specialties
07 7129	Manufactured Roof Expansion Joints
07 7200	Roof Accessories
07 8413	Penetration Firestopping
07 8446	Fire-Resistive Joint Systems
07 9200	Joint Sealants
07 9513.13	Interior Expansion Joint Cover Assemblies
07 9513.16	Exterior Expansion Joint Cover Assemblies

DIVISION 08 - OPENINGS

08 1113	Hollow Metal Doors and Frames
08 1416	Flush Wood Doors
08 3113	Access Doors and Frames
08 3313	Coiling Counter Doors
08 4113	Aluminum-Framed Entrances and Storefronts
08 4413	Glazed Aluminum Curtain Walls
08 4523	Fiberglass-Sandwich-Panel Assemblies
08 5113	Aluminum Windows
08 7100	Door Hardware
08 8000	Glazing
08 9119	Fixed Louvers

DIVISION 09 - FINISHES

09 2216 Non-Structural Metal Framing

09 2613	Gypsum Veneer Plastering
09 2900	Gypsum Board
09 3000	Tiling
09 5113	Acoustical Panel Ceilings
09 5123	Acoustical Tile Ceilings
09 5423	Linear Metal Ceilings
09 6466	Wood Athletic Flooring
09 6500	Resilient Flooring
09 6513	Resilient Base and Accessories
09 6813	Tile Carpeting
09 6816	Sheet Carpeting
09 8433	Sound-Absorbing Wall Units
09 9113	Exterior Painting
09 9123	Interior Painting
	-

DIVISION 10 - SPECIALTIES

10 1	1100	Visual Display Surfaces
10 1	1200	Display Cases
10 1	1419	Dimensional Letter Signage
10 1	1453	Traffic Signage
10 1	1463	Electronic Message Signage
10 2	2113	Toilet Compartments
10 2	2800	Toilet, Bath, and Laundry Accessories
10 4	1413	Fire Protection Cabinets
10 4	1416	Fire Extinguishers
10 5	5113	Metal Lockers

DIVISION 11 - EQUIPMENT

11 1313	Loading Dock Bumpers
11 3300	Retractable Stairs
11 6623	Gymnasium Equipment
11 6643	Interior Scoreboards

DIVISION 12 - FURNISHINGS

12 2413	Roller Window Shades
12 3200	Manufactured Wood Casework
12 6600	Telescoping Stands
12 9300	Site Furnishings

DIVISION 13 - SPECIAL CONSTRUCTION (Not Applicable)

DIVISION 14 - CONVEYING EQUIPMENT (Not Applicable)

VOLUME 3

DIVISION 21 - FIRE SUPPRESSION

21 0500 Common Work Results for Fire Suppression

21 1000 Water Based Fire Suppression Systems

DIVISION 22 - PLUMBING

22 0500	Common Work Results for Plumbing
22 0513	Common Motor Requirements for Plumbing Equipment
22 0519	Meters and Gages for Plumbing Piping
22 0523	General Duty Valves for Plumbing Piping
22 0529	Hangers and Supports for Plumbing Piping and Equipment
22 0553	Identification for Plumbing Piping and Equipment
22 0700	Plumbing Insulation
22 1113	Facility Water Distribution Piping
22 1116	Domestic Water Piping
22 1119	Domestic Water Piping Specialties
22 1313	Facility Sanitary Sewers
22 1316	Sanitary Waste and Vent Piping
22 1319	Sanitary Waste Piping Specialties
22 1413	Facility Storm Drainage Piping
22 1423	Storm Drainage Piping Specialties
22 3100	Domestic Water Softeners
22 4000	Plumbing Fixtures

DIVISION 23 - HEATING, VENTILATING, and AIR CONDITIONING (HVAC)

23 0500 23 0513	Common Work Results for HVAC Common Motor Requirements for HVAC Equipment
23 0519	Meters and Gages for HVAC Piping
23 0523	General Duty Valves for HVAC Piping
23 0529	Hangers and Supports for HVAC Piping and Equipment
23 0553	Identification for HVAC Piping and Equipment
23 0593	Testing, Adjusting, and Balancing for HVAC
23 0700	HVAC Insulation
23 0900	Instrumentation and Control for HVAC
23 0993	Sequence of Operations for HVAC Controls
23 1123	Facility Natural Gas Piping
23 2113	Hydronic Piping
23 2123	Hydronic Pumps
23 2300	Refrigerant Piping
23 2500	HVAC Water Treatment
23 3113	Metal Ducts
23 3300	Air Duct Accessories
23 3423	HVAC Power Ventilators
23 3600	Air Terminal Units
23 3713	Diffusers, Registers, and Grilles
23 5100	Breechings, Chimneys, and Stacks
23 6200	Packaged Compressor and Condenser Units
23 7313	Modular Indoor Central Station Air Handling Units
23 8126	Split System Air Conditioners
23 8221	Self Contained Vertical Unit Ventilators

DIVISION 26 - ELECTRICAL

26 0500 26 0519	Common Work Results for Electrical Low-Voltage Electrical Power Conductors and Cables
26 0526	Grounding and Bonding for Electrical Systems
26 0529	Hangers and Supports for Electrical Systems
26 0533	Raceways and Boxes for Electrical Systems
26 0543	Underground Ducts and Raceways for Electrical Systems
26 0544	, ,
	Sleeves and Sleeve Seals for Electrical Raceways and Cabling
26 0553	Identification for Electrical Systems
26 0923	Lighting Control Devices
26 0943	Network Lighting Controls
26 2200	Low Voltage Transformers
26 2416	Panelboards
26 2726	Wiring Devices
26 2913	Enclosed Controllers
26 2923	Variable Frequency Motor Controllers
26 3213	Engine Generators
26 3600	Transfer Switches
26 4313	Surge Protection for Low-Voltage Electrical Power Circuits
26 5100	Interior Lighting
26 5600	Exterior Lighting
20 0000	Exterior Lighting

DIVISION 27 - COMMUNICATIONS

27 0500	Common Work Results for Communications
27 0526	Grounding and Bonding for Communications Systems
27 0528	Pathways for Communications Systems
27 0529	Hangers and Supports for Communications Systems
27 0536	Cable Trays for Communications Systems
27 0553	Identification for Communications Systems
27 1100	Communications Equipment Room Fittings
27 1116	Communications Racks, Frames, and Enclosures
27 1323	Communications Optical Fiber Backbone Cabling
27 1513	Communications Copper Horizontal Cabling

DIVISION 28 - ELECTRONIC SAFETY and SECURITY

28 3100 Fire Detection and Alarm

DIVISION 31 - EARTHWORK

31 1000	Site Clearing
31 2000	Earth Moving
31 2319	Dewatering
31 3116	Termite Contro

DIVISION 32 - EXTERIOR IMPROVEMENTS

32 1216	Asphalt Paving
32 1313	Concrete Paving

PROJECT NO. 18-501 PHOENIX HIGH SCHOOL ADDITION AND REMODELING KALAMAZOO PUBLIC SCHOOLS

TABLE OF CONTENTS 6 11/12/2018

32 1373	Concrete Paving Joint Sealants
32 1723	Pavement Markings
32 3223	Segmental Retaining Wall
32 9200	Turf and Grasses
32 9300	Plants

DIVISION 33 - UTILITIES

33 0100	Excavating, Trenching, and Backfilling for Utilities
33 4100	Storm Utility Drainage Piping

END OF TABLE OF CONTENTS