TABLE OF CONTENTS

INTRODUCTORY INFORMATION

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

<u>DIVISION 0 - BIDDING REQUIREMENTS, CONTRACTOR FORMS AND</u> <u>CONDITIONS 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
		Geotechnical Data
	00 30 50	Bidder Reminder List
	00 31 00	Bid Form
	00 34 10	Responsible Bidding Practices
	00 37 00	Standard Forms
	00 41 00	Bid Bond
	00 43 50	Subcontractors and Products List
	00 50 00	Standard Form of Agreement
		AIA 132 Exhibit A Insurance & Bonds
		Schedule of Insurance Requirements
	00 61 00	Performance Bond and Payment Bond
	00 70 00	Amended General Conditions
	00 82 50	Escrow Agreement

DIVISION 1 - GENERAL REQUIREMENTS

Section	01 12 00	Multiple Contract Summary
	01 21 00	Allowances
	01 23 00	Alternates
	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 50	Temporary Water
	01 51 60	Temporary Sanitary Facilities
		1 2 2

- 01 51 80 Temporary Fire Protection
- 01 52 10 Construction Aids and Temporary Enclosures
- 01 52 60 Rubbish Container
- 01 53 10 Fences (Temporary Security)
- 01 53 20 Tree and Plant Protection
- 01 53 30 Barricades
- 01 54 60 Environment Protection
- 01 54 80 Utility Protection
- 01 55 00 Access Roads and Parking Areas
- 01 56 20 Dust Control
- 01 56 30 Water Control
- 01 56 80 Erosion Control
- 01 56 90 Housekeeping and Safety
- 01 57 60 Project Signs
- 01 59 10 Project Office
- 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 00	Building Demolition
	02 41 20	Removals
	02 41 30	Minor Demolition for Remodeling

DIVISION 3 - CONCRETE

Section 03 30 00 Concrete

DIVISION 4 - MASONRY

Section 04 20 00 Unit Masonry

DIVISION 5 - METALS

Section	05 12 00	Structural Steel
	05 21 00	Steel Joists
	05 31 23	Steel Roof Deck
	05 36 00	Steel Composite Floor Deck
	05 40 00	Cold Formed Metal Framing
	05 50 00	Miscellaneous Metals
	05 50 10	Embedded Structural Anchor Bolts
	05 52 16	Aluminum Railings and Ladders

DIVISION 6 - WOOD, PLASTICS, AND COMPOSITES

Section	06 10 00	Rough Carpentry
	06 20 00	Finish Carpentry
	06 61 16	Solid Surfacing and Quartz Fabrications

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

07 11 00	Bituminous Dampproofing
07 21 13	Board Insulation
07 21 16	Batt and Blanket Insulation
07 21 19	Foamed-In-Place Insulation
07 21 27	Enclosed Cavity Foamed Insulation
07 24 00	Exterior Insulation and Finish System (EIFS)
07 27 31	Sheet Air and Water Resistive Barrier
07 31 00	Shingle Roofing
07 42 44	Composite Metal Panels
07 53 24	Roof Insulation and Membrane Roofing – TPO
07 62 00	Sheet Metal Flashing
07 71 20	Fascias and Copings
07 72 23	Roof Hatches
07 84 00	Firestopping
07 90 00	Joint Sealants
07 95 00	Expansion Joint Systems
	$\begin{array}{c} 07 \ 21 \ 13 \\ 07 \ 21 \ 16 \\ 07 \ 21 \ 19 \\ 07 \ 21 \ 27 \\ 07 \ 24 \ 00 \\ 07 \ 27 \ 31 \\ 07 \ 31 \ 00 \\ 07 \ 42 \ 44 \\ 07 \ 53 \ 24 \\ 07 \ 62 \ 00 \\ 07 \ 71 \ 20 \\ 07 \ 72 \ 23 \\ 07 \ 84 \ 00 \\ 07 \ 90 \ 00 \end{array}$

DIVISION 8 - OPENINGS

Section

Section	08 11 13	Standard Steel Doors and Frames
	08 14 16	Wood Doors
	08 31 13	Access Doors
	08 33 00	Rolling Doors and Grilles
	08 41 00	Aluminum Entrances and Storefronts
	08 71 00	Door Hardware
	08 81 00	Glazing

DIVISION 9 - FINISHES

Section	09 22 13	Metal Framing and Furring
	09 29 00	Gypsum Board
	09 31 00	Ceramic Tile
	09 31 16	Quarry Tile
	09 51 00	Acoustical Ceilings
	09 64 29	Wood Athletic Flooring
	09 65 13	Resilient Flooring
	09 67 22	Resinous Flooring
	09 68 00	Carpet
	09 72 16	Fabric Wall Covering

09 84 00	Acoustical Wall Panels
09 91 00	Painting

DIVISION 10 - SPECIALTIES

	Section	$\begin{array}{c} 10 \ 11 \ 00 \\ 10 \ 14 \ 00 \\ 10 \ 21 \ 15 \\ 10 \ 21 \ 23 \\ 10 \ 26 \ 00 \\ 10 \ 28 \ 13 \\ 10 \ 44 \ 00 \\ 10 \ 51 \ 13 \\ 10 \ 75 \ 00 \end{array}$	 Markerboards and Corkboards Signage Solid Phenolic Toilet Partitions Cubicle Curtains and Tracks Wall Protection Toilet Accessories Fire Extinguishers and Cabinets Metal Lockers Flagpoles
--	---------	---	---

DIVISION 11 - EQUIPMENT

11 40 00	Foodservice Equipment
11 52 13	Power Operated Projection Screens
11 61 33	Stage Curtains and Tracks
11 66 23	Athletic Equipment
11 66 43	Scoreboards
	11 52 13 11 61 33 11 66 23

DIVISION 12 - FURNISHINGS

Section	12 25 00	Roller Shades
	12 32 16	Plastic Laminate Casework
	12 66 00	Folding Bleachers

DIVISION 14 – CONVEYING EQUIPMENT

DIVISION 21 – FIRE SUPPRESSION

Section 21 05 00 Fire Protection/Sprinkler System

DIVISION 22 - PLUMBING

Section	22 05 00	Plumbing General Conditions
	22 07 00	Plumbing Insulation
	22 11 00	Domestic Water Distribution
	22 11 23	Domestic Water Booster Pump
	22 13 00	Sanitary Distribution System
	22 14 00	Storm Drainage Distribution
	22 31 00	Domestic Water Softeners
	22 34 00	Domestic Water Heating System

22 42 00 Plumbing Fixtures

DIVISION 23 - HEATING, VENTILATING, AND AIR CONDITIONING

Section	23 05 00	Mechanical Materials and Methods
	23 07 00	Mechanical Insulation
	23 09 23	Temperature Controls
	23 11 23	Natural Gas System Piping
	23 21 13	HVAC Piping
	23 21 23	HVAC Pumps
	23 21 33	HVAC Specialties
	23 23 00	Refrigerant Piping and Accessories
	23 25 00	Water Treatment
	23 34 00	Exhaust Fans and Accessories
	23 36 13	Fan Powered Cooling Units
	23 62 13	Air Cooled Liquid Chiller
	23 73 00	Interior Central Station AHU
	23 74 14	Roof-Top HVAC Units (02-30 Tons)
	23 81 23	Computer Room Cooling Units
	23 82 00	Space Heating Equipment
	23 82 23	Vertical Unit Ventilators
	23 88 00	Ductwork and Accessories

DIVISION 26 - ELECTRICAL

Section	26 00 00	Electrical Work General Conditions
	26 05 00	Work in Existing Building
	26 05 26	Secondary Grounding
	26 05 29	Supporting Devices
	26 05 33	Raceways
	26 05 73	Arc Flash Hazard Analysis
	26 21 00	Wires and Cables
	26 22 13	Transformers - General Purpose Dry Type
	26 24 13	Switchboards
	26 24 16	Panelboards
	26 24 19	Motor Starters
	26 27 25	Boxes
	26 27 26	Wiring Devices
	26 28 00	Overcurrent Protective Devices
	26 28 16	Disconnect Switches
	26 29 00	Circuits and Motor Disconnects
	26 43 00	Surge Protective Devices
	26 51 13	Lighting Fixtures
	26 56 29	Site Lighting

DIVISION 27 - COMMUNICATION

~ •		
Section	27 00 01	General Requirements for Communications
	27 00 02	Quality Assurance for Communications
	27 00 04	Existing Conditions and Demolition
	27 05 01	Operations and Maintenance of Communications Systems
	27 05 02	Basic Materials and Methods for Communications
	27 05 26	Grounding and Bonding for Communications Systems
	27 05 28	Pathways for Communications Systems
	27 05 43	Underground Ducts and Raceways for Communications Systems
	27 05 50	Firestopping for Communications Systems
	27 05 53	Identification for Communications Systems
	27 08 10	Verification Testing of Structured Cabling
	27 11 11	Communications Room Wall Linings
	27 11 16	Communications Cabinets, Racks, Frames, and Enclosures
	27 11 23	Communications Cable Management and Ladder Rack
	27 11 26	Communications Rack Mounted Power Protection and Power Strips
	27 11 27	Data Center Uninterruptible Power Supply
	27 13 13	Communications Copper Backbone Cabling
	27 13 23	Communications Fiber Optic Backbone Cabling
	27 14 00	Communications Inter-Building Cabling
	27 15 13	Communications Copper Horizontal Cabling
	27 16 00	Communications Connecting Cords, Devices, and Adaptors

DIVISION 28 – ELECTRONIC SAFETY AND SECURITY

Section 28 31 63 Fire Alarm and Detection System

DIVISION 31 - EARTHWORK

Section	31 10 00	Site Clearing
	31 20 00	Earthwork
	31 25 13	Soil Erosion Control

DIVISION 32 - EXTERIOR IMPROVEMENTS

Section	32 11 16	Granular Base Course
	32 12 16	Asphaltic Concrete Paving
	32 13 13	Portland Cement Concrete Paving
	32 13 80	Exterior Concrete and Site Equipment
	32 17 23	Roadway and Paving Marking
	32 31 13	Chain Link Fences and Gates
	32 91 13	Soil Preparation
	32 92 19	Seeding
	32 92 23	Sodding

DIVISION 33 - UTILITIES

Section	33 11 00	Water Distribution Systems
	33 11 50	Exterior Water Lines, Fire Lines, and Facilities
	33 13 00	Disinfection of Water Distribution System
	33 30 00	Sanitary Sewage Systems
	33 40 00	Storm Sewage Systems

END OF SECTION 00 00 20



SECTION 00 01 10 TABLE OF CONTENTS

Division Title

SECTION NO. SECTION TITLE

VOLUME ONE

Division 00 Procurement and Contracting Requirements

By The Skillman Corporation

Division 01 General Requirements

By The Skillman Corporation

VOLUME TWO

Division 02	Existing Conditions
02 41 00	Building Demolition
02 41 20	Removals
02 41 30	Minor Demolition for Remodeling
Division 03	Concrete
03 30 00	Concrete
Division 04	Masonry
04 20 00	Unit Masonry
Division 05	Metals
05 12 00	Structural Steel
05 21 00	Steel Joists
05 31 23	Steel Roof Deck
05 36 00	Steel Composite Floor Deck
05 40 00	Cold Formed Metal Framing
05 50 00	Miscellaneous Metals
05 50 10	Embedded Structural Anchor Bolts

GIBRALTAR DESIGN

05 52 16	Aluminum Railings and Ladders
Division 06	Wood, Plastics, and Composites
06 10 00	Rough Carpentry
06 20 00	Finish Carpentry
06 61 16	Solid Surfacing and Quartz Fabrications
Division 07	Thermal and Moisture Protection
07 11 00	Bituminous Dampproofing
07 21 13	Board Insulation
07 21 16	Batt and Blanket Insulation
07 21 19	Foamed-In-Place Insulation
07 21 27	Enclosed Cavity Foamed Insulation
07 24 00	Exterior Insulation and Finish System (EIFS)
07 27 31	Sheet Air and Water Resistive Barrier
07 31 00	Shingle Roofing
07 42 44	Composite Metal Panels
07 53 24	Roof Insulation and Membrane Roofing – TPO
07 62 00	Sheet Metal Flashing
07 71 20	Fascias and Copings
07 72 23	Roof Hatches
07 84 00	Firestopping
07 90 00	Joint Sealants
07 95 00	Expansion Joint Systems
Division 08	Openings
08 11 13	Standard Steel Doors and Frames
08 14 16	Wood Doors
08 31 13	Access Doors
08 33 00	Rolling Doors and Grilles
08 41 00	Aluminum Entrances and Storefronts
08 71 00	Door Hardware
08 81 00	Glazing
Division 09	Finishes
09 22 13	Metal Framing and Furring
09 29 00	Gypsum Board
09 31 00	Ceramic Tile
09 31 16	Quarry Tile
09 51 00	Acoustical Ceilings
09 64 29	Wood Athletic Flooring
09 65 13	Resilient Flooring



09 67 22	Resinous Flooring
09 68 00	Carpet

- 09 72 16 Fabric Wall Covering
- 09 84 00 Acoustical Wall Panels
- 09 91 00 Painting

Division 10 Specialties

10 11 00	Markerboards and Corkboards
10 14 00	Signage
10 21 15	Solid Phenolic Toilet Partitions
10 21 23	Cubicle Curtains and Tracks
10 26 00	Wall Protection
10 28 13	Toilet Accessories
10 44 00	Fire Extinguishers and Cabinets
10 51 13	Metal Lockers
10 75 00	Flagpoles

Division 11 Equipment

11 40 00	Foodservice Equipment
11 52 13	Power Operated Projection Screens
11 61 33	Stage Curtains and Tracks
11 66 23	Athletic Equipment
11 66 43	Scoreboards

Division 12 Furnishings

12 25 00	Roller Shades
12 32 16	Plastic Laminate Casework

12 66 00 Folding Bleachers

Division 13 Special Construction

Not Used

Division 14 Conveying Equipment

14 42 16 Wheel Chair Lift

VOLUME THREE

Division 21	Fire Suppression
210500	Fire Protection/Sprinkler System



Division 22 Plumbing

	_
22 05 00	Plumbing General Conditions
22 07 00	Plumbing Insulation
22 11 00	Domestic Water Distribution
22 11 23	Domestic Water Booster Pump
22 13 00	Sanitary Distribution System
22 14 00	Storm Drainage Distribution
22 31 00	Domestic Water Softeners
22 34 00	Domestic Water Heating System
22 42 00	Plumbing Fixtures
Division 23	Heating Ventilating and Air Conditioning
23 05 00	Mechanical Materials and Methods
23 05 93	Testing, Adjusting and Balancing
23 07 00	Mechanical Insulation
23 09 23	Temperature Controls
23 11 23	Natural Gas System Piping
23 21 13	HVAC Piping
23 21 23	HVAC Pumps
23 21 33	HVAC Specialties
23 23 00	Refrigerant Piping and Accessories
23 25 00	Water Treatment
23 34 00	Exhaust Fans and Accessories
23 36 13	Fan Powered Cooling Units
23 62 13	Air Cooled Liquid Chiller
23 73 00	Interior Central Station AHU
23 74 14	Roof-Top HVAC Units (02-30 Tons)
23 81 23	Computer Room Cooling Units
23 82 00	Space Heating Equipment
23 83 23	Vertical Unit Ventialtors
23 88 00	Ductwork and Accessories
Division 26	Electrical
26 00 00	Electrical Work General Conditions
26 05 00	Work in Existing Building
26 05 26	Secondary Grounding
26 05 29	Supporting Devices
26 05 33	Raceways
26 05 73	Arc Flash Hazard Analysis
26 21 00	Wires and Cables
26 22 13	Transformers - General Purpose Dry Type

26 24 13 Switchboards



26 24 16	Panelboards
26 24 19	Motor Starters
26 27 25	Boxes
26 27 26	Wiring Devices
26 28 00	Overcurrent Protective Devices
26 28 16	Disconnect Switches
26 29 00	Circuits and Motor Disconnects
26 36 00	Emergency-Standby Power Systems Transfer Switches
26 43 00	Surge Protective Devices
26 51 13	Lighting Fixtures
26 56 29	Site Lighting
Division 27	Communications
27 00 01	General Requirements for Communications
27 00 02	Quality Assurance for Communications
27 00 04	Existing Conditions and Demolition
27 05 01	Operations and Maintenance of Communications Systems
27 05 02	Basic Materials and Methods for Communications
27 05 26	Grounding and Bonding for Communications System
27 05 28	Pathways for Communications Systems
27 05 43	Underground Ducts and Raceways for Communications Systems
27 05 50	Firestopping for Communications Systems
27 05 53	Identification for Communications Systems
27 08 10	Verification Testing of Structured Cabling
27 11 11	Communications Room Wall Linings
27 11 16	Communications Cabinets, Racks, Frames, and Enclosures
27 11 23	Communications Cable Management and Ladder Rack
27 11 26	Communications Rack Mounted Power Protection and Power Strips
27 11 27	Data Center Uninterruptible Power Supply
27 13 13	Communications Copper Backbone Cabling
27 13 23	Communications Fiber Optic Backbone Cabling
27 14 00	Communications Inter-Building Cabling
27 15 13	Communications Copper Horizontal Cabling
27 16 00	Communications Connecting Cords Devices and Adaptors
Division 28	Electronic Safety and Security
28 31 63	Fire Alarm and Detection System
Division 31	Earthwork

Timothy Ball Elementary School Additions, Renovations, and Related Work 21-112



Division 32	Exterior Improvements
-------------	------------------------------

32 11 16	Granular Base Course
32 12 16	Asphaltic Concrete Paving
32 13 13	Portland Cement Concrete Paving
32 13 80	Exterior Concrete and Site Equipment
32 17 23	Roadway and Paving Marking
32 31 13	Chain Link Fences and Gates
32 91 13	Soil Preparation
32 92 19	Seeding
32 92 23	Sodding

Division 33 Utilities

33 11 00	Water Distribution Systems
33 11 50	Exterior Water Lines, Fire Lines, and Facilities
33 13 00	Disinfection of Water Distribution System
33 30 00	Sanitary Sewage Systems
33 40 00	Storm Sewage Systems

END OF SECTION