



**PROJECT MANUAL**  
**FOR**  
**URBANA ELEMENTARY**  
**SCHOOL**



1

**BID SET**  
January 10, 2019

**VOLUME 1 OF 4**  
Division 00



## TOC            TABLE OF CONTENTS

**VOLUME 1**DIVISION 00 - CONTRACT REQUIREMENTS (Not Included in this Submission)

00 01 15	LIST OF DRAWING SHEETS
00 11 16	INVITATION TO BID
00 11 18	FCPS MAP & 2017-2018 FCPS CALENDAR
00 43 43	PREVAILING WAGE REQUIREMENTS
00 21 13	INSTRUCTIONS TO BIDDERS, AIA DOCUMENT A701, 1997 EDITION
00 22 13	FCPS SUPPLEMENTAL INSTRUCTION TO BIDDER (SUPPLEMENT TO AIA DOCUMENT A701)
00 24 13	SPECIFICATION CROSS-REFERENCE
00 24 16	CONTRACT PACKAGES
00 31 13	PRELIMINARY CONSTRUCTION SCHEDULE
00 42 00	FORM OF PROPOSAL
00 42 43	CAPITAL EQUIPMENT INFORMATIONAL UNIT PRICES
00 43 13	BID BOND – AIA DOCUMENT A310, 2010 EDITION
00 45 19	STATUTORY AFFIDAVIT AND NON-COLLUSION CERTIFICATION
00 43 25	CERTIFICATION OF COMPLIANCE
00 45 39	CERTIFIED MBE UTILIZATION AND FAIR SOLICITATION AFFIDAVIT - ATTACHMENT “A”
00 45 39.01	MBE PARTICIPATION SCHEDULE – ATTACHMENT “B”
00 52 26	AIA DOCUMENT A132-CMa, 2009 STANDARD FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR, CONSTRUCTION MANAGER AS ADVISOR
00 72 26	AIA DOCUMENT A232 2009 GENERAL CONDITIONS OF THE CONTRACT OF CONSTRUCTION, CONSTRUCTION MANAGER AS ADVISOR
00 61 13	MARYLAND COMAR 21.07.02.10 PERFORMANCE AND PAYMENT BONDS
00 62 39	MBE REGULATION NO. 200-8

**VOLUME 2**DIVISION 01 - GENERAL REQUIREMENTS

01 10 00	SUMMARY
01 20 00	PRICE AND PAYMENT PROCEDURES
01 23 00	ALTERNATE BIDS
01 30 00	ADMINISTRATIVE REQUIREMENTS
01 31 14	FACILITY SERVICES COORDINATION
01 32 16	CONSTRUCTION PROGRESS SCHEDULE
01 35 53	SECURITY PROCEDURES
01 40 00	QUALITY REQUIREMENTS
01 50 00	TEMPORARY FACILITIES AND CONTROLS
01 51 00	TEMPORARY UTILITIES
01 52 13	FIELD OFFICES AND SHEDS
01 55 00	VEHICULAR ACCESS AND PARKING
01 58 13	TEMPORARY PROJECT SIGNAGE

01 60 00	PRODUCT REQUIREMENTS
01 70 00	EXECUTION AND CLOSEOUT REQUIREMENTS
01 74 19	CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT AND DISPOSAL
01 77 00	CLOSEOUT PROCEDURES
01 78 00	CLOSEOUT SUBMITTALS
01 79 00	DEMONSTRATION AND TRAINING
01 81 13	SUSTAINABLE DESIGN REQUIREMENTS - LEED
	LEED SCORECARD
	LEED v4 LOW-EMITTING MATERIALS SUBMITTAL FORM
	LEED v4 MATERIALS AND RESOURCES SUBMITTAL FORM, BPDO: Environmental Product Declarations, Option 1
	LEED v4 MATERIALS AND RESOURCES SUBMITTAL FORM, BPDO: Sourcing of Raw Materials, Option 2
	LEED v4 MATERIALS AND RESOURCES SUBMITTAL FORM, BPDO: Material Ingredients, Option 1
01 91 13	GENERAL COMMISSIONING REQUIREMENTS
01 91 15	FUNCTIONAL PERFORMANCE TEST REQUIREMENTS

## DIVISION 02 - EXISTING CONDITIONS

02 30 00	SUBSURFACE DRILLING AND SAMPLING INFORMATION
----------	--

## DIVISION 03 - CONCRETE

03 10 00	CONCRETE FORMING AND ACCESSORIES
03 20 00	CONCRETE REINFORCING
03 30 00	CAST-IN-PLACE CONCRETE
03 35 13	CONCRETE FLOOR FINISHING
03 39 00	CONCRETE CURING

## DIVISION 04 - MASONRY

04 20 00	UNIT MASONRY
04 72 00	CAST STONE MASONRY
04 73 23	MANUFACTURED STONE CLADDING

## DIVISION 05 - METALS

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 44 00	COLD-FORMED STEEL TRUSSES
05 50 00	METAL FABRICATIONS
05 51 00	METAL STAIRS
05 51 19	METAL GRATING STAIRS
05 52 13	PIPE AND TUBE RAILINGS
05 53 20	STAIR NOSINGS
05 58 13	COLUMN COVERS

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

06 10 00	ROUGH CARPENTRY
06 20 00	FINISH CARPENTRY
06 41 00	ARCHITECTURAL WOOD CASEWORK

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

07 13 00	SHEET WATERPROOFING
07 16 16	CRYSTALLINE WATERPROOFING
07 18 00	TRAFFIC COATINGS
07 21 00	THERMAL INSULATION
07 21 27	ENCLOSED CAVITY FOAMED INSULATION
07 27 15	NON-BITUMINOUS SELF-ADHERING SHEET AIR BARRIERS
07 31 13	ASPHALT SHINGLES
07 42 13	METAL WALL PANELS
07 51 00	BUILT-UP ASPHALT ROOFING
07 62 00	SHEET METAL FLASHING AND TRIM
07 71 00	MANUFACTURED ROOF SPECIALTIES
07 71 23	DOWNSPOUTS
07 72 00	ROOF ACCESSORIES
07 84 00	FIRESTOPPING
07 84 46	FIRE-RESISTIVE JOINT SYSTEMS
07 90 05	JOINT SEALERS
07 95 13	EXPANSION JOINT COVER ASSEMBLIES

DIVISION 08 - OPENINGS

08 11 13	HOLLOW METAL DOORS AND FRAMES
08 14 16	FLUSH WOOD DOORS
08 31 00	ACCESS DOORS AND PANELS
08 33 13	COILING COUNTER DOORS
08 33 23	OVERHEAD COILING DOORS
08 43 13	ALUMINUM-FRAMED STOREFRONTS
08 45 13	STRUCTURED-POLYCARBONATE-PANEL ASSEMBLIES
08 71 00	FINISH HARDWARE
08 80 00	GLAZING
08 91 00	LOUVERS

DIVISION 09 - FINISHES

09 21 16	GYPSUM BOARD ASSEMBLIES
09 22 16	NON-STRUCTURAL METAL FRAMING
09 30 00	TILING
09 51 00	ACOUSTICAL CEILINGS
09 52 50	INTERACTIVE ACOUSTICAL PANEL SYSTEM
09 54 50	FRP CEILING SYSTEM
09 65 00	RESILIENT FLOORING
09 65 10	HYBRID RESILIENT FLOORING
09 65 66	RESILIENT ATHLETIC FLOORING
09 66 23	RESINOUS MATRIX TERRAZZO FLOORING

09 67 00	FLUID-APPLIED FLOORING
09 67 10	SELF-LEVELING POLYURETHANE FINISH SYSTEM
09 84 00	ACOUSTIC PANELS
09 91 23	INTERIOR PAINTING
09 93 00	STAINING AND TRANSPARENT FINISHING
09 96 00	HIGH-PERFORMANCE COATINGS

#### DIVISION 10 - SPECIALTIES

10 11 01	VISUAL DISPLAY BOARDS
10 11 25	BULLETIN BOARDS AND DISPLAY CASES
10 14 00	SIGNAGE
10 21 13.19	PLASTIC TOILET COMPARTMENTS
10 21 23	CUBICLES
10 22 26	ACCORDION FOLDING PARTITIONS
10 22 26.33	FOLDING PANEL PARTITIONS
10 26 00	DECORATIVE SEMI-RIGID WALL COVERING
10 28 00	TOILET, BATH, AND LAUNDRY ACCESSORIES
10 44 00	FIRE PROTECTION SPECIALTIES
10 50 00	LOCKERS
10 56 13	METAL STORAGE SHELVING
10 75 00	FLAGPOLES

#### DIVISION 11 - EQUIPMENT

11 00 05	MISCELLANEOUS EQUIPMENT
11 13 13	LOADING DOCK BUMPERS
11 31 00	APPLIANCES
11 40 00	FOODSERVICE EQUIPMENT
11 51 23	LIBRARY STACK SYSTEMS
11 52 13	PROJECTION SCREENS
11 61 43	PLATFORM CURTAINS
11 66 23	GYMNASIUM EQUIPMENT
11 66 43	BASKETBALL SCOREBOARD
11 66 53	GYMNASIUM DIVIDER
11 67 33	MODULAR CLIMBING WALLS

#### DIVISION 12 - FURNISHINGS

12 24 13	WINDOW SHADE SYSTEMS
12 35 50	EDUCATIONAL CASEWORK
12 35 51	MUSICAL INSTRUMENT STORAGE CABINETS
12 36 00	COUNTERTOPS
12 48 13	ENTRANCE FLOOR MATS AND FRAMES
12 93 00	SITE FURNISHINGS

#### DIVISION 14 - CONVEYING EQUIPMENT

14 24 00	PASSENGER ELEVATORS
----------	---------------------

**VOLUME 3****DIVISION 21 - FIRE SUPPRESSION**

210500	COMMON WORK RESULTS FOR FIRE SUPPRESSION
211313	WET-PIPE SPRINKLER SYSTEMS
213113	ELECTRIC-DRIVE, CENTRIFUGAL FIRE PUMPS
213400	PRESSURE-MAINTENANCE PUMPS
213900	CONTROLLERS FOR FIRE-PUMP DRIVERS

**DIVISION 22 - PLUMBING**

220500	COMMON WORK RESULTS FOR PLUMBING
220513	COMMON MOTOR REQUIREMENTS FOR PLUMBING EQUIPMENT
220519	METERS AND GAUGES FOR PLUMBING PIPING
220523	GENERAL-DUTY VALVES FOR PLUMBING PIPING
220529	HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT
220533	HEAT TRACING FOR PLUMBING PIPING
220548	VIBRATION AND SEISMIC CONTROLS FOR PLUMBING PIPING AND EQUIPMENT
220553	IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT
220700	PLUMBING INSULATION
221116	DOMESTIC WATER PIPING
221119	DOMESTIC WATER PIPING SPECIALTIES
221316	SANITARY, WASTE AND VENT PIPING
221319	SANITARY WASTE PIPING SPECIALTIES
221413	FACILITY STORM DRAINAGE PIPING
221423	STORM DRAINAGE PIPING SPECIALTIES
221429	SUMP PUMPS
223400	FUEL-FIRED, DOMESTIC-WATER HEATERS
224213.13	COMMERCIAL WATER CLOSETS
224213.16	COMMERCIAL URINALS
224216.13	COMMERCIAL LAVATORIES
224216.16	COMMERCIAL SINKS
224223	COMMERCIAL SHOWERS, RECEPTORS, AND BASINS
224716	PRESSURE WATER COOLERS

**DIVISION 23 - HEATING, VENTILATING & AIR CONDITIONING**

230500	COMMON WORK RESULTS FOR HVAC
230513	COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT
230519	METERS AND GAUGES FOR HVAC PIPING
230523	GENERAL-DUTY VALVES FOR HVAC PIPING
230529	HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT
230548	VIBRATION AND SEISMIC CONTROLS FOR HVAC PIPING AND EQUIPMENT
230553	IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT
230593	TESTING, ADJUSTING AND BALANCING FOR HVAC
230713	DUCT INSULATION
230716	HVAC EQUIPMENT INSULATION
230719	HVAC PIPING INSULATION
230800	MECHANICAL SYSTEM COMMISSIONING
230859	BUILDING AUTOMATION SYSTEM COMMISSIONING

230900	INSTRUMENTATION AND CONTROL FOR HVAC
231123	FACILITY NATURAL-GAS PIPING
232113	HYDRONIC PIPING
232113.33	GROUND-LOOP HEAT PUMP PIPING
232123	HYDRONIC PUMPS
232300	REFRIGERANT PIPING
232500	HVAC WATER TREATMENT
233113	METAL DUCTS
233300	AIR DUCT ACCESSORIES
233423	HVAC POWER VENTILATORS
233433	AIR CURTAINS
233713	DIFFUSERS, REGISTERS, AND GRILLES
233723	HVAC GRAVITY VENTILATORS
237200	ENERGY RECOVERY AIR HANDLING UNITS/DEDICATED OUTDOOR AIR UNITS
237313	MODULAR INDOOR CENTRAL-STATION AIR-HANDLING UNITS
238126	SPLIT-SYSTEM AIR-CONDITIONERS
238129	VARIABLE REFRIGERANT FLOW HVAC SYSTEM
238233	CONVECTORS
238239	UNIT HEATERS

#### **VOLUME 4**

##### **DIVISION 26 - ELECTRICAL**

260500	BASIC ELECTRICAL MATERIALS AND METHODS
260501	GENERAL ELECTRICAL REQUIREMENTS
260519	LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES
260526	GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS
260529	HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS
260533	RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS
260543	UNDERGROUND DUCTBANKS
260548	VIBRATION AND SEISMIC CONTROLS FOR ELECTRICAL SYSTEMS
260553	IDENTIFICATION FOR ELECTRICAL SYSTEMS
260573	OVERCURRENT PROTECTIVE DEVICE COORDINATION STUDY
260800	ELECTRICAL SYSTEM COMMISSIONING
260923	LIGHTING CONTROL DEVICES
260943	NETWORK LIGHTING CONTROLS
262200	LOW-VOLTAGE TRANSFORMERS
262413	SWITCHBOARDS
262416	PANELBOARDS
262726	WIRING DEVICES
262743	ELECTRIC-VEHICLE SERVICE EQUIPMENT – AC LEVEL 1 AND LEVEL 2
262813	FUSES
262816	ENCLOSED SWITCHES AND CIRCUIT BREAKERS
262913	ENCLOSED CONTROLLERS
263213	ENGINE GENERATORS
263600	TRANSFER SWITCHES
264113	LIGHTNING PROTECTION SYSTEM
264300	SURGE PROTECTION DEVICES (SPD)
265100	INTERIOR LIGHTING
265600	EXTERIOR LIGHTING

**DIVISION 27 - COMMUNICATIONS**

27 05 00	COMMON WORK RESULTS FOR COMMUNICATIONS
27 11 00	COMMUNICATIONS EQUIPMENT ROOM FITTINGS
27 13 00	SOUND SYSTEMS
27 15 00	VOICE OVER INTERNET PROTOCOL (VoIP) AND DATA SYSTEMS
27 51 23	INTEGRATED TELECOMMUNICATIONS SYSTEM
27 70 00	EMERGENCY RADIO IN-BUILDING AMPLIFICATION SYSTEM

**DIVISION 28 - ELECTRONIC SAFETY AND SECURITY**

28 05 00	COMMON WORK RESULTS FOR ELECTRONIC SAFETY AND SECURITY
28 16 05	INTEGRATED CCTV SURVEILLANCE SYSTEM
28 23 01	INTEGRATED INTRUSION DETECTION SYSTEM
283111	FIRE ALARM SYSTEM (ADDRESSABLE TYPE)

**DIVISION 31 - EARTHWORK**

31 10 00	CLEARING
31 20 00	EARTHMOVING
31 20 05	BUILDING EARTHWORK
31 31 16	TERMITE CONTROL
31 50 00	EXCAVATION SUPPORT AND PROTECTION

**DIVISION 32 - EXTERIOR IMPROVEMENT**

32 12 16	HOT-MIXED ASPHALT PAVING
32 12 20	ROAD AND PARKING ACCESSORIES
32 13 13	CONCRETE PAVING
32 13 15	CONCRETE CURBING
32 30 00	SITE FURNISHINGS
32 30 10	MODULAR PLAYGROUND EQUIPMENT
32 31 13	CHAIN LINK FENCES AND GATES
32 32 23	SEGMENTAL RETAINING WALLS
32 90 00	TREE CONSERVATION
32 93 05	TOPSOILING, SEEDING AND SODDING
32 95 00	TREES, SHRUBS AND GROUND COVERS

**DIVISION 33 - UTILITIES**

33 10 00	UTILITY STANDARDS
33 10 05	WATER DISTRIBUTION SYSTEM
33 30 00	SANITARY SEWERAGE
33 32 23	BASE MOUNTED PUMPING STATION
33 41 00	STORM DRAINAGE

**END OF TABLE OF CONTENTS**



**SECTION 00 01 15 - LIST OF DRAWING SHEETS****GENERAL**

TS-1	TITLE SHEET
TS-2	LIST OF DRAWINGS

**CIVIL**

C-0	COVER SHEET
C-1	EXISTING CONDITIONS PLAN
C-1A	DEMOLITION PLAN
C-1B	DEMOLITION PLAN
C-2	OVERALL SEDIMENT & EROSION CONTROL PLAN
C-2A	SEDIMENT & EROSION CONTROL PLAN
C-2B	SEDIMENT & EROSION CONTROL PLAN
C-2C	SEDIMENT & EROSION CONTROL PLAN
C-2D	SEDIMENT & EROSION CONTROL PLAN
C-2E	SEDIMENT & EROSION CONTROL DETAILS
C-2F	SEDIMENT & EROSION CONTROL DETAILS
C-2G	SEDIMENT & EROSION CONTROL DETAILS
C-2H	SEDIMENT & EROSION CONTROL NOTES
C-3	SITE PLAN
C-3A	SITE PLAN
C-3B	SITE PLAN
C-3C	SITE DETAILS
C-3D	SITE DETAILS
C-3E	SITE DETAILS
C-3F	PLAY STRIPING DETAILS
C-3J	SEWER PROFILES
C-3K	SEWER PROFILES
C-3L	SEWER PROFILES
C-3M	WATER PROFILES
C-3N	WATER PROFILES
C-3P	WATER & SEWER DETAILS
C-3Q	SEWER PUMP DETAILS
C-3R	SEWER PUMP DETAILS
C-4	OVERAL GRADING PLAN
C-4A	GRADING AND STORMWATER MANAGEMENT PLAN
C-4B	GRADING AND STORMWATER MANAGEMENT PLAN

C-4C	STORMDRAIN PROFILES
C-4D	STORMDRAIN PROFILES
C-4E	STORMDRAIN PROFILES
C-4F	STORMDRAIN PROFILES
C-4G	STORMDRAIN PROFILES
C-4H	STORMDRAIN PROFILES
C-4J	STORMDRAIN PROFILES
C-4K	STORMDRAIN PROFILES
C-4L	STORMWATER MANAGEMENT PROFILES
C-4M	STORMWATER MANAGEMENT PROFILES
C-4N	STORMWATER MANAGEMENT PROFILES
C-5	SIGNAGE & STRIPING PLAN
C-5A	SIGNAGE & STRIPING DETAILS
L-1.1	COMBINED PRELIMINARY & FINAL FCP
L-1.2	COMBINED PRELIMINARY & FINAL FCP
L-1.3	COMBINED PRELIMINARY & FINAL FCP
L-2.1	LANDSCAPE PLAN
L-2.2	LANDSCAPE PLAN
L-2.3	LANDSCAPE PLAN
L-2.4	LANDSCAPE PLAN

### **ARCHITECTURAL**

A-0.1	CODE STUDY - FIRST FLOOR
A-0.2	CODE STUDY- SECOND FLOOR
A-0.3	FIRST FLOOR OVERALL PLAN
A-0.4	SECOND FLOOR OVERALL PLAN
A-0.5	ARCHITECTURAL SITE PLAN
A-0.6	SITE DETAILS
A-1.1	PARTIAL FIRST FLOOR PLAN- AREA A
A-1.2	PARTIAL FIRST FLOOR PLAN- AREA B
A-1.3	PARTIAL FIRST FLOOR PLAN- AREA C1
A-1.4	PARTIAL FIRST FLOOR PLAN- AREA C2
A-1.5	PARTIAL SECOND FLOOR PLAN- AREA A
A-1.6	PARTIAL SECOND FLOOR PLAN- AREA B
A-1.7	PARTIAL SECOND FLOOR PLAN- AREA C1
A-1.8	PARTIAL SECOND FLOOR PLAN C2
A-1.9	ROOF PLAN
A-1.10	ROOF DETAILS
A-1.11	ROOF DETAILS

A-1.12	ROOF DETAILS
A-2.1	EXTERIOR ELEVATIONS
A-2.2	EXTERIOR ELEVATIONS
A-2.3	EXTERIOR ELEVATIONS
A-2.4	EXTERIOR ELEVATIONS
A-3.1	FINISH SCHEDULE
A-3.2	DOOR SCHEDULE
A-3.3	HEAD, SILL, AND JAMB DETAILS
A-3.4	WALL TYPES AND TERMINATION DETAILS
A-3.5	FRAME ELEVATIONS
A-3.6	FRAME ELEVATIONS
A-3.7	EXTERIOR STUD HEAD, SILL, AND JAMB DETAILS
A-3.8	EXTERIOR CMU HEAD, SILL, AND JAMB DETAILS
A-3.9	EXT STUD W/ MTL PANEL HEAD, SILL, AND JAMB DETAILS
A-3.10	EXT. CMU W/ MTL. PANEL HEAD, SILL, AND JAMB DETAILS
A-3.11	LOUVER DETAILS
A-3.12	METAL PANEL AXON DETAILS
A-4.1	BUILDING SECTIONS
A-4.2	BUILDING SECTIONS
A-4.3	BUILDING SECTIONS
A-4.4	WALL SECTIONS
A-4.5	WALL SECTIONS
A-4.6	WALL SECTIONS
A-4.7	WALL SECTIONS
A-4.8	WALL SECTIONS
A-4.9	WALL SECTIONS
A-4.10	WALL SECTIONS
A-4.11	WALL SECTIONS
A-4.12	WALL SECTIONS
A-4.13	WALL SECTIONS
A-4.14	WALL SECTIONS
A-4.15	WALL SECTIONS
A-4.16	WALL SECTIONS
A-5.1	STAIR PLANS AND SECTIONS
A-5.2	STAIR PLANS AND SECTIONS
A-5.3	STAIR DETAILS
A-5.4	TYPICAL DETAILS
A-5.5	ENLARGED PLAN
A-5.6	PLAN DETAILS

- A-5.7 PLAN AND MISC DETAILS
- A-5.8 MISCELLANEOUS DETAILS
- A-6.1 INTERIOR ELEVATIONS
- A-6.2 INTERIOR ELEVATIONS
- A-6.3 INTERIOR ELEVATIONS
- A-6.4 INTERIOR ELEVATIONS
- A-7.1 REFLECTED CEILING PLAN- FIRST FLOOR- AREA A
- A-7.2 REFLECTED CEILING PLAN- FIRST FLOOR- AREA B
- A-7.3 REFLECTED CEILING PLAN- FIRST FLOOR- AREA C1
- A-7.4 REFLECTED CEILING PLAN- FIRST FLOOR- AREA C2
- A-7.5 REFLECTED CEILING PLAN- SECOND FLOOR- AREA A
- A-7.6 REFLECTED CEILING PLAN- SECOND FLOOR- AREA B
- A-7.7 REFLECTED CEILING PLAN- SECOND FLOOR- AREA C
- A-7.8 REFLECTED CEILING PLAN- SECOND FLOOR AREA C2
- A-8.1 BID ALTERNATES
- A-9.1 PARTIAL FIRST FLOOR FURNISHING PLAN- AREA A
- A-9.2 PARTIAL FIRST FLOOR FURNISHING PLAN- AREA B
- A-9.3 PARTIAL FIRST FLOOR FURNISHING PLAN- AREA C1
- A-9.4 PARTIAL FIRST FLOOR FURNISHING PLAN- AREA C2
- A-9.5 PARTIAL SECOND FLOOR FURNISHING PLAN- AREA A
- A-9.6 PARTIAL SECOND FLOOR FURNISHING PLAN- AREA B
- A-9.7 PARTIAL SECOND FLOOR FURNISHING PLAN AREA C
- A-9.8 PARTIAL SECOND FLOOR FURNISHING PLAN- AREA C2
- A-9.9 MILLWORK DETAILS
- A-9.10 MILLWORK & MISC DETAILS

**KITCHEN**

- K-101 KITCHEN EQUIPMENT PLAN
- K-102 BUILDING CONDITIONS & VENTILATION PLAN
- K-103 PLUMBING ROUGH-IN PLAN
- K-104 ELECTRICAL ROUGH-IN PLAN
- K-105 FABRICATION DETAILS
- K-502 CONDENSATE CANOPY DETAILS

**STRUCTURAL**

- S-1.1 PARTIAL FIRST FLOOR PLAN - AREA A
- S-1.2 PARTIAL FIRST FLOOR PLAN - AREA B
- S-1.3 PARTIAL FIRST FLOOR PLAN - AREA C1
- S-1.4 PARTIAL FIRST FLOOR PLAN - AREA C2

- S-1.5 PARTIAL SECOND FLOOR PLAN- AREA A
- S-1.6 PARTIAL SECOND FLOOR PLAN - AREA B
- S-1.7 PARTIAL SECOND FLOOR PLAN - AREA C1
- S-1.8 PARTIAL SECOND FLOOR PLAN - AREA C2
- S-1.9 PARTIAL ROOF PLAN- AREA A
- S-1.10 PARTIAL ROOF PLAN- AREA B
- S-1.11 PARTIAL ROOF PLAN- AREA C1
- S-1.12 PARTIAL ROOF PLAN- AREA C2
- S-1.13 BID ATERNATES
- S-1.14 OUTBUILDINGS
- S-2.1 COLUMN SCHEDULE
- S-3.1 MANSONRY WALL DETAILS
- S-3.2 WIND BRACING DETAILS
- S-4.1 SECTIONS
- S-4.2 SECTIONS
- S-4.3 SECTIONS
- S-4.4 SECTIONS
- S-4.5 SECTIONS
- S-4.6 SECTIONS
- S-5.1 TYPICAL DETAILS & STRUCTURAL NOTES
- S-5.2 STEEL FRAMING TYPICAL DETAILS

**MECHANICAL**

- M-0.1 MECHANICAL GENERAL NOTES, SCHEDULES, LEGEND & ABBREVIATIONS
- M-0.2 MECHANICAL VENTILATION CALCULATIONS
- M-0.3 MECHANICAL VENTILATION CALCULATIONS
- M-2.1 PARTIAL FIRST FLOOR PLAN- AREA A
- M-2.2 PARTIAL FIRST FLOOR PLAN - AREA B
- M-2.3 PARTIAL FIRST FLOOR PLAN - AREA C1
- M-2.4 PARTIAL FIRST FLOOR PLAN – AREA C2
- M-2.5 PARTIAL SECOND FLOOR PLAN - AREA A
- M-2.6 PARTIAL SECOND FLOOR PLAN - AREA B
- M-2.7 PARTIAL SECOND FLOOR PLAN - AREA C1
- M-2.8 PARTIAL SECOND FLOOR PLAN – AREA C2
- M-2.9 ROOF PLAN
- M-3.1 MECHANICAL ROOM PART PLANS
- M-3.2 PART PLAN - MECHANICAL - PENTHOUSE C204
- M-3.3 PART PLAN - MECHANICAL - PENTHOUSE C208
- M-7.1 MECHANICAL DETAILS

M-7.2	MECHANICAL DETAILS
M-7.3	MECHANICAL DETAILS
M-7.4	MECHANICAL DETAILS
M-7.5	MECHANICAL DETAILS
M-7.6	MECHANICAL DETAILS
M-8.1	DOAS AND VRF CONTROL DIAGRAMS
M-8.2	DEDICATED OUTSIDE AIR SYSTEM CONTROL DIAGRAM
M-8.3	CAFETERIA & GYMNASIUM AHU CONTROL DIAGRAM
M-8.4	MISCELLANEOUS CONTROL DIAGRAMS
M-8.5	FIRST FLOOR PLAN – AUTOMATIC TEMPERATURE CONTROLS
M-8.6	SECOND FLOOR PLAN - AUTOMATIC TEMPERATURE CONTROLS
M-9.1	MECHANICAL EQUIPMENT SCHEDULES
M-9.2	MECHANICAL EQUIPMENT SCHEDULES
MS-2.0	MECHANICAL SITE PLAN

**PLUMBING**

P-0.1	PARTIAL FOUNDATION PLAN – AREA A
P-0.2	PARTIAL FOUNDATION PLAN – AREA B
P-0.3	PARTIAL FOUNDATION PLAN – AREA C1
P-0.4	PARTIAL FOUNDATION PLAN – AREA C2
P-2.1	PARTIAL FIRST FLOOR PLAN – AREA A
P-2.2	PARTIAL FIRST FLOOR PLAN – AREA B
P-2.3	PARTIAL FIRST FLOOR PLAN – AREA C1
P-2.4	PARTIAL FIRST FLOOR PLAN – AREA C2
P-2.5	PARTIAL SECOND FLOOR PLAN - AREA A
P-2.6	PARTIAL SECOND FLOOR PLAN - AREA B
P-2.7	PARTIAL SECOND FLOOR PLAN - AREA C1
P-2.8	PARTIAL SECOND FLOOR PLAN – AREA C2
P-2.9	ROOF PLAN
P-3.1	KITCHEN PART PLAN
P-6.1	DOMESTIC WATER FLOW DIAGRAMS
P-6.2	DOMESTIC WATER FLOW DIAGRAMS
P-6.3	SANITARY/VENT FLOW DIAGRAMS
P-6.4	SANITARY/VENT FLOW DIAGRAMS
P-6.5	SANITARY/VENT AND GAS FLOW DIAGRAMS
P-7.1	PLUMBING PIPING DETAILS
P-7.2	PLUMBING EQUIPMENT DETAILS
P-7.3	MISCELLANEOUS EQUIPMENT DETAILS
P-9.1	PLUMBING EQUIPMENT NOTES, SCHEDULES & LEGEND

- PS-2.0 PLUMBING SITE PLAN
- FP-2.1 FIRST FLOOR PLAN – SPRINKLER ZONES
- FP-2.2 SECOND FLOOR PLAN – SPRINKLER ZONES
- FP-7.1 FIRE PROTECTION DETAILS
- FP-7.2 FIRE PROTECTION DETAILS

**ELECTRICAL**

- E-0.1 LEGEND, SCHEDULES & ABBREVIATIONS
- E-0.2 LIGHTING FIXTURE SCHEDULE
- E-0.3 SITE PLAN – POWER & LIGHTING
- E-0.4 POTOMAC EDISON POWER SITE DETAILS
- E-1.1 PARTIAL FIRST FLOOR PLAN - AREA A – POWER
- E-1.2 PARTIAL FIRST FLOOR PLAN - AREA B – POWER
- E-1.3 PARTIAL FIRST FLOOR PLAN - AREA C1 – POWER
- E-1.4 PARTIAL FIRST FLOOR PLAN – AREA C2 – POWER
- E-1.5 PARTIAL SECOND FLOOR PLAN - AREA A – POWER
- E-1.6 PARTIAL SECOND FLOOR PLAN - AREA B – POWER
- E-1.7 PARTIAL SECOND FLOOR PLAN - AREA C1 – POWER
- E-1.8 PARTIAL SECOND FLOOR PLAN – AREA C2 – POWER
- E-1.9 ROOF PLAN - POWER
- E-2.1 PARTIAL FIRST FLOOR PLAN - AREA A - LIGHTING
- E-2.2 PARTIAL FIRST FLOOR PLAN - AREA B - LIGHTING
- E-2.3 PARTIAL FIRST FLOOR PLAN - AREA C1 – LIGHTING
- E-2.4 PARTIAL FIRST FLOOR PLAN – AREA C2 - LIGHTING
- E-2.5 PARTIAL SECOND FLOOR PLAN - AREA A - LIGHTING
- E-2.6 PARTIAL SECOND FLOOR PLAN - AREA B - LIGHTING
- E-2.7 PARTIAL SECOND FLOOR PLAN - AREA C1 – LIGHTING
- E-2.8 PARTIAL SECOND FLOOR PLAN – AREA C2 - LIGHTING
- E-3.1 PARTIAL FIRST FLOOR PLAN - AREA A FIRE ALARM
- E-3.2 PARTIAL FIRST FLOOR PLAN - AREA B FIRE ALARM
- E-3.3 PARTIAL FIRST FLOOR PLAN - AREA C1 FIRE ALARM
- E-3.4 PARTIAL FIRST FLOOR PLAN- AREA C2 FIRE ALARM
- E-3.5 PARTIAL SECOND FLOOR PLAN- AREA A FIRE ALARM
- E-3.6 PARTIAL SECOND FLOOR PLAN- AREA B FIRE ALARM
- E-3.7 PARTIAL SECOND FLOOR PLAN- AREA C1 FIRE ALARM
- E-3.8 PARTIAL SECOND FLOOR PLAN- AREA C2 FIRE ALARM
- E-3.9 SCHEMATIC FIRE ALARM RISER DIAGRAM
- E-3.10 FIRE ALARM GRAPHIC ANNUNCIATOR
- E-4.1 PART PLANS - POWER

- E-4.2 PART PLAN - KITCHEN - POWER
- E-5.1 SCHEMATIC POWER RISER DIAGRAM
- E-6.1 DETAILS
- E-6.2 DETAILS
- E-6.3 LIGHTING CONTROL SCHEDULES AND RISER DIAGRAM
- E-7.1 PANEL SCHEDULES
- E-7.2 PANEL SCHEDULES
- E-7.3 PANEL SCHEDULES
- E-8.1 MECHANICAL EQUIPMENT CONNECTION SCHEDULE

### **TECHNOLOGY**

- TE-0.1 SYMBOLS, LEGENDS & ABBREVIATIONS - TELECOM
- TE-0.2 SITE PLAN - TELECOM
- TE-1.1 PARTIAL FIRST FLOOR PLAN – AREA A – TELECOM
- TE-1.2 PARTIAL FIRST FLOOR PLAN – AREA B – TELECOM
- TE-1.3 PARTIAL FIRST FLOOR PLAN – AREA C1 – TELECOM
- TE-1.4 PARTIAL FIRST FLOOR PLAN – AREA C2 - TELECOM
- TE-1.5 PARTIAL SECOND FLOOR PLAN – AREA A – TELECOM
- TE-1.6 PARTIAL SECOND FLOOR PLAN – AREA B – TELECOM
- TE-1.7 PARTIAL SECOND FLOOR PLAN – AREA C1 – TELECOM
- TE-1.8 PARTIAL SECOND FLOOR PLAN – AREA C2 - TELECOM
- TE-2.1 PARTIAL FIRST FLOOR PLAN – AREA A – SECURITY
- TE-2.2 PARTIAL FIRST FLOOR PLAN – AREA B – SECURITY
- TE-2.3 PARTIAL FIRST FLOOR PLAN – AREA C1 – SECURITY
- TE-2.4 PARTIAL FIRST FLOOR PLAN – AREA C2 - SECURITY
- TE-2.5 PARTIAL SECOND FLOOR PLAN – AREA A – SECURITY
- TE-2.6 PARTIAL SECOND FLOOR PLAN – AREA B – SECURITY
- TE-2.7 PARTIAL SECOND FLOOR PLAN – AREA C1 – SECURITY
- TE-2.8 PARTIAL SECOND FLOOR PLAN – AREA C2 - SECURITY
- TE-3.1 RISERS - TELECOM
- TE-4.1 DETAILS - TELECOM
- TE-4.2 DETAILS - TELECOM
- TE-4.3 DETAILS - TELECOM
- TE-4.4 DETAILS - TELECOM
- TE-4.5 DETAILS - TELECOM
- TE-4.6 DETAILS - TELECOM
- TE-4.7 DETAILS - TELECOM
- TE-4.8 DETAILS - TELECOM

**END OF SECTION**