JULY 2025

PRINCETON

INDEPENDENT SCHOOL DISTRICT

DESIGN DEVELOPMENT

PRINCETON ISD

DIANE TALLEY ELEMENTARY SCHOOL

PRINCETON INDEPENDENT SCHOOL DISTRICT

CLAYCOMB ASSOCIATES, ARCHITECTS

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PRINCETON ISD
DIANE TALLEY ELEMENTARY SCHOOL

Princeton ISD
321 Panther Parkway
Princeton, TX 75407
Phone: 972-736-3505

Princeton ISD

Donald McIntyre
Superintendent

Dr. Jackie Hendricks
Deputy Superintendent

Philip Anthony
Executive Director of Operations

Casey Gunnels
Assistant Superintendent of Operations

Nichole Powell
Assistant Superintendent of Operations

James Lovelady
Assistant Superintendent of Operations

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Duane Kelly
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John Campbell
Board Member

Starla Sharpe
Board Member

Bianca Washington
Board Member

Claycomb Design Team

Marc Rauzi AIA
Vice President | Project Manager

Jeffrey Floyd AIA
Principal | Design Director

Kolton Barnes NCARB
Project Manager

July 21, 2025

Mr. Donald McIntyre, Superintendent
Princeton ISD Board of Trustees
321 Panther Parkway
Princeton, Texas 75407

Dear Mr. McIntyre and Board of Trustees,

We want to thank the Princeton ISD administrative staff for their excellent input during the design development phase of this project. The input and insight that we continue to receive has proven to be valuable and informative. The design intent expressed in this book reflects the needs and desires of your students, teachers, and staff. With that in mind and your approval, we will continue forward incorporating those wishes into the Construction Documents for the building.

Very truly yours,
Claycomb Associates, Inc.

Marc Rauzi, AIA
Vice President | Project Manager

Jeffrey Floyd, AIA
Principal | Design Director

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ENLARGED SITE PLAN

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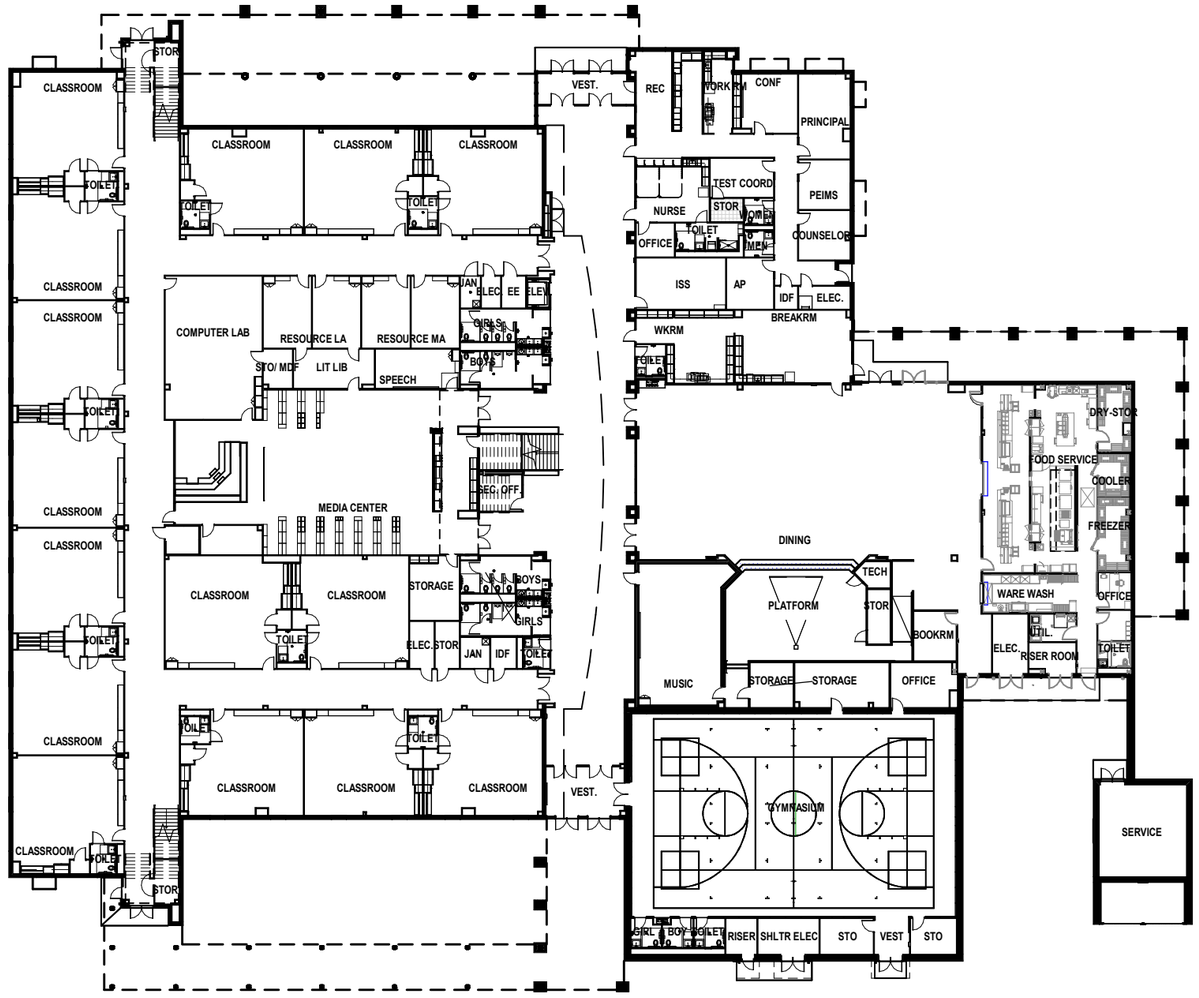

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PRINCETON INDEPENDENT SCHOOL DISTRICT

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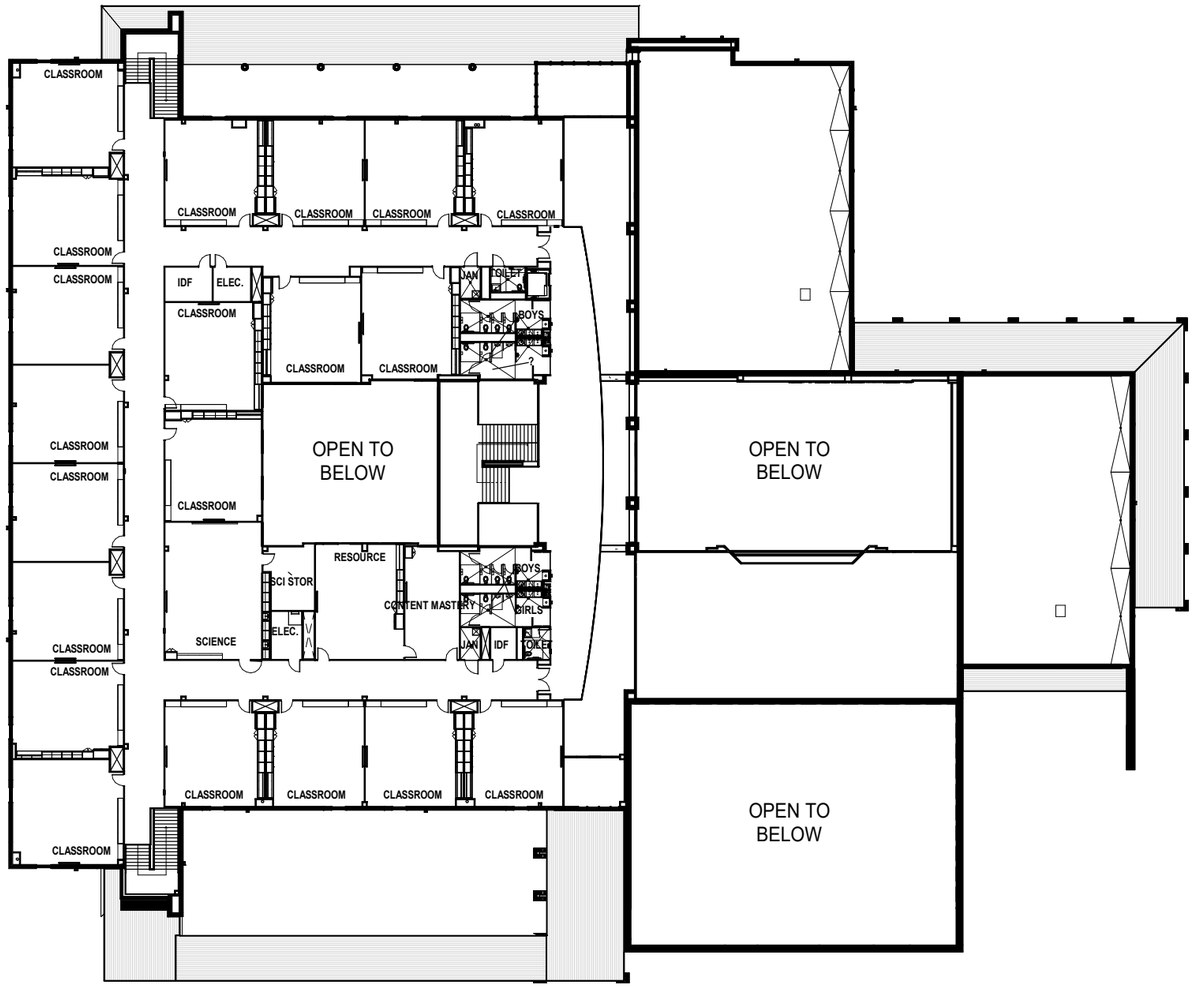
CLAYCOMB ASSOCIATES ARCHITECTS

FIRST FLOOR PLAN

07.21.2025



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SECOND FLOOR PLAN

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CONCEPTUAL RENDER

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CONCEPTUAL RENDER

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CONCEPTUAL RENDERING

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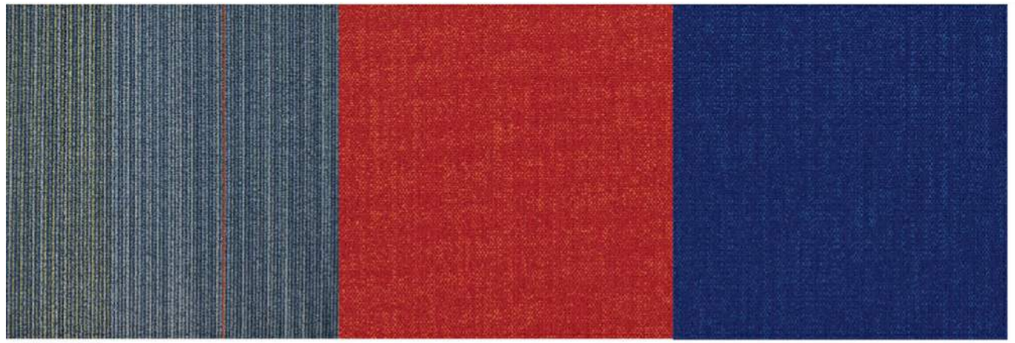
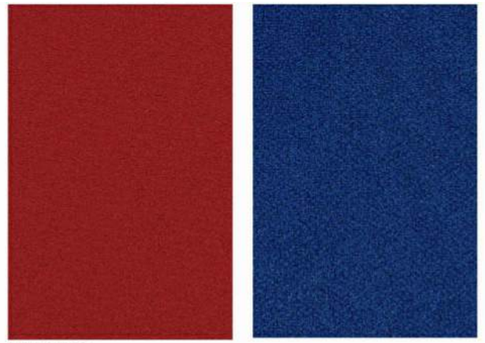


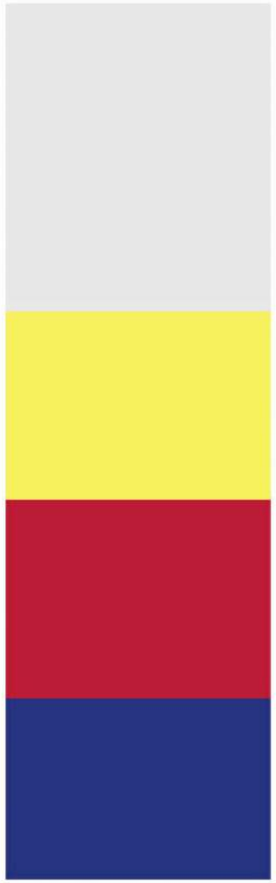
CARPET



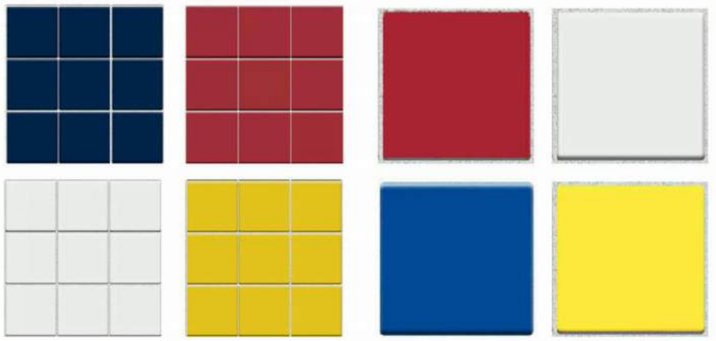
FABRIC

UTILITY BRICK

VCT



PAINT COLORS



FLOOR TILE

WALL TILE

PLASTIC LAMINATE

WALL BASE

PRINCETON ISD

DIANE TALLEY ELEMENTARY SCHOOL

MATERIALS BOARD

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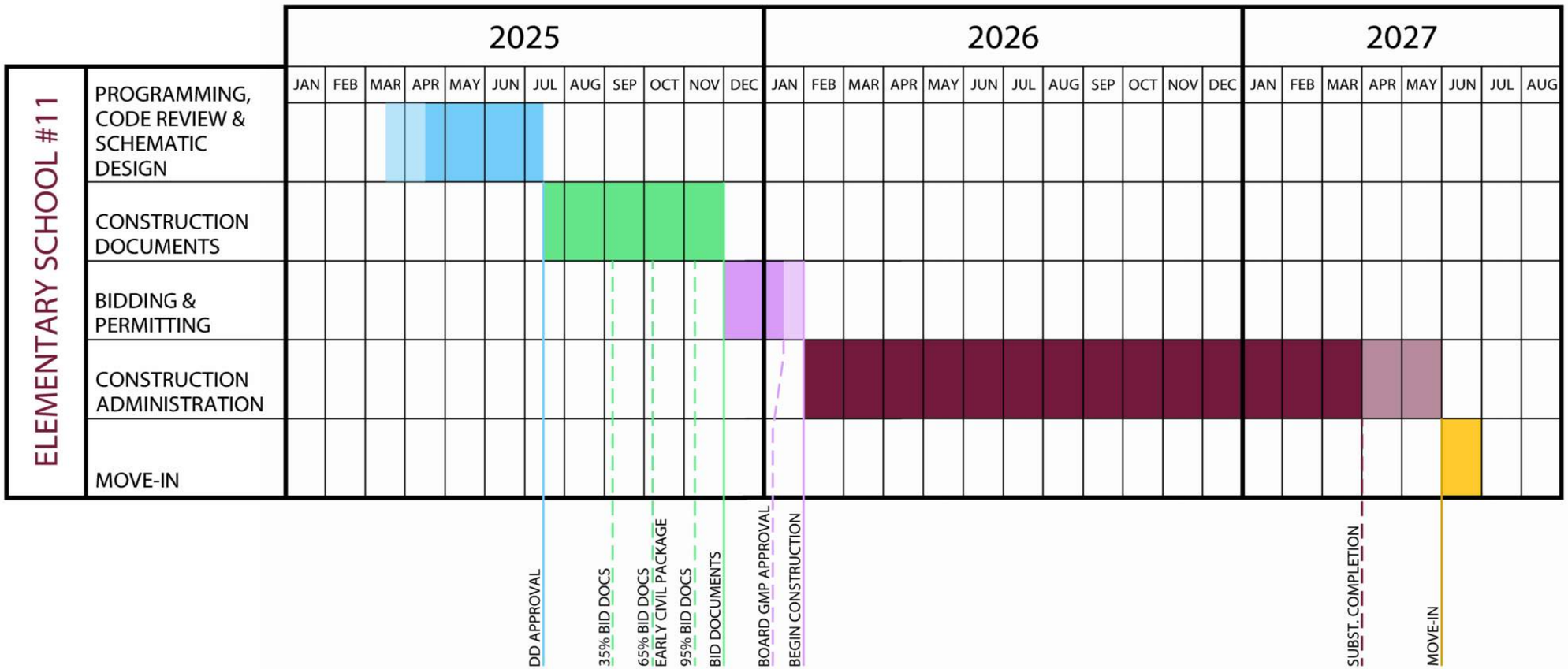

PRINCETON INDEPENDENT SCHOOL DISTRICT

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DIANE TALLEY ELEMENTARY SCHOOL

CLAYCOMB ASSOCIATES, ARCHITECTS

PROJECT SCHEDULE

07.21.2025

DIVISION 01
General Requirements

1.1 Summary of Work:
Construction of single story elementary school, including general construction, plumbing, heating, ventilating, air conditioning, electrical, millwork, fixed equipment, and site work.

1.2 Standards and Regulations:
The contractors will abide by state and local standards, codes, agencies, and organizations respective to that contractor's trade and as referred to in the Construction Documents.

1.3 Measurement and Payment:
Construction Manager will submit an itemized Schedule of Values with supporting data as required. Monthly applications for payment are to be submitted to the Architect for approval and then to the Owner for payment.

1.4 Construction Schedule:
Construction Manager will submit a Total Project Schedule and updates.

1.5 Submittal:
Construction Manager will review and submit shop drawings, product data, samples, etc. to the Architect on a timely basis.

1.6 Quality Control:
A testing laboratory will be selected, employed, and paid by the Owner. Contractors will cooperate fully with the testing laboratory.

1.7 Substitutions:
Contractors will provide products as named in the Specifications. During the bidding period, Architect will consider written requests for substitutions submitted not less than ten days prior to bid date. Substitutions noted on Bid Proposals will not be considered if not submitted to Architect ten days prior to bid date.

1.8 Project Closeout:
When notified of Substantial Completion, the Architect will make an inspection and develop a Punch List. Final inspection will occur when all work is complete. Contractors will submit all maintenance manuals, operating instructions, and instruct Owner's operating personnel. Contractors will submit evidence of payments and release of liens.

1.9 Cleaning Up:
Contractors will maintain the project area in a clean, sanitary and safe condition. At project completion, all surfaces will be finished and the entire project area will be clean and free of debris.

1.10 Record Documents:
Construction Manager will maintain, at the project site, a record copy of Drawings and Specifications and Shop Drawings and record all revisions during the construction period. Documents reflecting revisions will be delivered to the Owner at completion of project.

DIVISION 02:
Existing Conditions

2.1 Site Clearing:
Any trees and shrubbery or existing pavements, curbs, gutters, fences, and other site features which will interfere with construction or are not intended to be a part of the finished project, will be removed.

2.2 Utilities
Contractor will verify existing conditions prior to submitting bid. Contractor will coordinate the shut-off and capping of utilities not intended for continued use or to be abandoned or removed.

Existing utilities indicated to remain will be maintained, kept in service, and protected against damage. Newly constructed utilities will be connected to existing utilities in accordance with the requirements of the appropriate governing and regulating agencies.

2.3 Subsurface Investigation:
A copy of the Owner ordered report of subsurface explorations will be furnished to the Contractors for informational purposes only. The Contractors will conduct any additional investigation he deems necessary to define the subsurface conditions as they may relate to the construction of the new facility.

2.4 Earthwork and Rough Grading:
Excavation will be done to the profiles and grades necessary to accomplish the construction. Excavations will be protected from cave-in by providing shoring and bracing. Rough grading will be done to prevent surface and ground water run-off into excavations, and to profiles and elevations to allow for paving, walks, drives, and final placement of finish grade materials and landscaping.

2.5 Soil Treatment:
The final graded surface of the building will be saturated with a chemical solution to prevent vegetation growth under the building footprint.

2.6 Drilled Piers:
All concrete foundation units shall be constructed in accordance with ACI 336.1 "Standard Specification for the Construction of Drilled Piers," latest edition. Pier holes will be drilled, of diameters and to depths indicated on drawings and schedules. If caving soil or flowing water is encountered, casings may be used if water is observed in any test holes. Pier layout will be made by a registered surveyor.

Centerlines will be drilled within one inch for 18 inch diameter or less, and within three inches for piers over 18 inch diameter. Shaft variation to plumb will not exceed 1 inch per 10 feet for full depth of pier. Contract unit prices will be used to adjust the Contract Sum to compensate for actual pier depths greater or lesser than those scheduled and for casings, if required.

2.7 Final Grading:
The site will be graded to provide positive drainage away from the building and to accomplish final finish grade elevations established on the drawings. Compacted fill (from on site) and topsoil will be provided over all areas to receive seed, mulch, and landscaped materials.

2.8 Site Concrete:
Driveways and parking will be as noted on contract documents, sub-base as determined by soil testing and civil engineer.

2.9 Soil Preparation:
All areas to receive paving will be prepared as recommended by engineers doing soil testing.

2.10 Site Amenities:
Site items as detailed on the drawings will be provided.

2.11 Landscaping and Irrigation:
A landscape and irrigation plan will be developed.

DIVISION 03:
Concrete

3.1 Concrete Formwork:

Forms will be constructed to provide the concrete profiles as detailed. All form accessories necessary will be provided, including inserts, chamfer strips, form ties, form coating materials and releasing agents. Cardboard void forms will be provided under all grade beams.

Procedures and schedules will be established for removing shores and forms and providing re-shores.

3.2 Concrete Reinforcement:

Metal reinforcement for cast in place concrete will include new deformed reinforcing bars, ASTM A615 Grade 60. Reinforcing will not be fabricated until after shop drawings have been submitted and reviewed. Accessories will be provided, including chairs, bolsters, and spacers necessary to position and secure reinforcement in place during casting of concrete.

3.3 Cast In Place Concrete:

Concrete will be proportioned according to an approved mix design conforming to ASTM C-150 Type I Portland Cement. Only one brand of cement will be used throughout the project. Concrete compressive strengths will be as follows:

Drilled Piers / Piles	3000 psi
Pile Caps	3000 psi
Grade Beams	4000 psi
Walks and Drives	3500 psi

Surface finish will be steel troweled where subsequent finish floors are to be applied and where concrete surface is to remain uncovered. Liquid sealer and hardener will be used on concrete where no subsequent finish is to be applied. A light broom finish will be applied to drives, walks, and exterior horizontal surfaces receiving traffic.

DIVISION 04:
Masonry

4.1 Mortar:

Type N mortar mixed from Portland Cement C150-80 Type 1, hydrated lime ASTM C207-79 Type S; washed masonry sand meeting ASTM C144 will be provided. Mortar proportions will be 1 part Portland Cement, 1 part lime, and 6 parts sand by volume. Masonry cement will not be permitted. The same brand of cement and lime will be used throughout the project.

4.2 Unit Masonry:
Brick masonry will be standard sizes as indicated on construction documents. Mortar joints will be tooled. Anchorage of all masonry veneer will be done with 2 piece anchors which will permit both horizontal and vertical movement but will provide lateral restraint. Nominal load-bearing concrete masonry units will be used at exterior site walls and where indicated on construction documents.

4.3 Cast Stone:
Cast stone shall be sound, weather resistant, and of sizes and shapes indicated in the drawings. Produce Cast Stone units at a fabricating plant engaged in primarirly in the manufacturing of similar units, unless plant fabrication is impractical. If units are produced at locations other than Cast Stone fabricating plants, maintain procedures and conditions for quality control which are equivelant to plant fabrication.

DIVISION 05:
Metals

5.1 Structural Steel:
Vertical support members, primary and secondary framing members will be structural steel fabricated shapes. Structural steel grade will be ASTM A992 (50K psi yield strength). Connections of framing members will be made with high strength bolts ASTM A325. Minor connections will be made with ASTM A307 bolts. Shop drawings will be submitted for structural steel prior to fabrications. Structural steel will be fabricated and erected in accordance with American Institute of Steel construction specifications, codes, and standards.

5.2 Steel Joists:
U.N.O. roof framing will be open web steel joists conforming to Steel Joist Institute specifications, codes, and standards for fabrication and erection.

5.3 Metal Decking:
Galvanized 22 ga. corrugated metal form decking will be attached to steel joist to receive the roof insulation. Deck attachment will be by use of welding washers. Acoustical metal deck will be used where indicated on the drawings. Floor deck shall consist of 2", 20 gauge galvanized composite deck.

5.4 Miscellaneous Metal:
Metal fabricated items including anchors, angles, channels, support brackets, handrails, rough hardware and fastening devices will conform to the appropriate ASTM specification for the type of metal used. Metal items, except those to be embedded in concrete, will be given a shop prime coat of protective paint and epoxy coating.

5.5 Expansion Joints:
Inspect the installed work of other trades and verify that such work is complete to the point where this installation may properly commence. Verifty that expansion joint assemblies may be installed in strict accordance with the original design and manufacturer's reccomendations.

DIVISION 06:
Woodwork

6.1 Rough Carpentry:
Wood blocking, furring, bracing, grounds, nailers, etc. to receive subsequent equipment and finishes will be provided. All lumber in contact with roofing, concrete or masonry will be pressure treated with preservative.

6.2 Millwork and Finish Carpentry:
Office casework, counter units, display cases, storage shelving and other finish millwork will be plastic laminate covered particle board.

DIVISION 07:
Thermal Moisture Protection

7.1 Roofing:
Polyisocyanurate insulation board on sloped structure to provide positive drainage at a rate of 1/4" per foot. A ½" retrofit board on 3.5" insulation board and will have an "R" value of 21.0 min. Roofing will be a white single ply roofing system.

7.2 Wind Resistance Rating:
Roof system will carry Underwriters Laboratories wind resistance rating U.L. I90 Class A and will meet a Factory Mutual rating of Class 1.

7.3 Flashing and Sheet Metal:
Counterflashings and other incidental metal trim items will be provided. Material will be galvanized iron of appropriate gauge relative to girth of the item and its use. All metal not scheduled as galvanized will be prefinished.

7.4 Thermal Insulation:
Exterior masonry veneer walls will have insulation in compliance with thermal and or acoustical sound requirements. Fit insulation to areas and condtions required, without voids, and in accordance with 2009 Energy Code Continuous Insulation Standards.

7.5 Sealants and Caulking:
Exterior joints will be filled with non-staining, non-sag, single component polyurethane sealant in colors selected by Architect. Backer rod for sealant joints will be polyethylene foam.
Interior joints will be filled with a fast setting acrylic latex compound.

DIVISION 08:
Doors + Windows + Glass

8.1 Hollow Metal Door Frames:
Hollow metal doorframes will have welded mitered corners ground smooth with metal reinforcements to receive hardware items. Minimum 16 gauge. Frames will be provided with a shop coat of baked on rust-inhibiting primer.

8.2 Hollow Metal Doors:
Exterior doors: Exterior doors will be 16-gauge flush seamless face with internal insulation. Reinforcements will be provided to receive hardware items. Doors will receive shop coat of baked on rust-inhibiting primer.

8.3 Wood Doors:
Doors will be solid core with wood laminate faces. Doors will be guaranteed for two years against warping, splitting or blistering. They will be used at all interior classroom, office, restroom, storage and janitor doors unless otherwise indicated on the drawings.

8.4 Aluminum Storefront:
Entry and Common area doors and frames will be of 1 3/4" x 4 ½" aluminum extrusions equal to Vistawall. All doors will be medium stile with panic devices and closers. The color will be clear anodized.

8.5 Finish Hardware:
Locksets will be cylinder locks with lever handles. Locks will be Corbin Russwin with Von Duprin exiting hardware. Locking Systems will be in accordance with the owner's requirements. Closers will be as called for in Hardware Schedule on Construction Documents. Exit devices will be in accordance with owner's requirements. Butt hinges will be ball bearing type for doors with closers and plain bearing hinges for doors without closers. Exterior doors shall receive continuous piano hinges for full height of door. Other items of hardware will be provided, consisting of door holders, pulls, push plates and kick plates for doors, floor and/or wall bumpers, and magnetic door hold opens at rated fire separation walls.

8.6 Windows:
All windows will be fixed aluminum. Color to be clear anodized aluminum.

8.7 Weatherstripping and Thresholds:
Exterior metal doors will be provided with weatherstrips attached to frames at head and side of jambs, and neoprene bulb type at door bottoms. Thresholds will be extruded aluminum, full width from jamb to jamb, set in mastic and anchored with countersunk flat-headed screws.

8.8 Glass and Glazing:
For exterior windows, 1 inch (total thickness) insulated solar cool gray plate glass will be used. Tempered glass or laminated safety glass will be used at locations required by the Safety Glazing Act. Fire rated glass will be used at locations required by governing codes. All interior glass will be a minimum of 1/4-inch thickness.

DIVISION 09:
Finishes

9.1 Interior Partitions:
Metal studs, 20 gauge and heavier will be used at non-load bearing conditions. All studs will be at 16-inch centers. Higher gauges will be required at veneer walls.

Ceiling and floor runners, bracing, and other accessories will be provided for a complete and stable installation. Blocking will be provided as necessary to receive and accept anchorage for devices and equipment to be subsequently installed. Acoustical insulation will be installed between studs at locations where sound control is required. 5/8 inch thick fire rated gypsum board will be applied to studs using screws as attachment.

9.2 Floor Finishes:
Classrooms & Educational Areas: Carpet Tiles
Media Center: Carpet Tiles
Corridors: Vinyl Composition Tile
Public Toilets: Thin Set Ceramic Tile
Gym: Synthetic Floor System
Administration: Carpet Tiles
Kitchen: Quarry Tile
Cafeteria: Vinyl Composition Tile

Carpet will be 28 oz., applied by direct glue-down method. Roller mobility is to meet ADA requirements.

Rubber Base will be heavy gauge (approximately 1/8 inch thick) top set cove base.

Ceramic Tile for floors will be 2"x2" and wall tile will be 8" x 8"

9.3 Ceiling Finishes:
Corridors, Offices, Classrooms: 2x2 Suspended Acoustical Tile
Toilets: Gyp. Board.
Acoustical tile will be non-combustible mineral fiberboard in the form of 2 x 2 lay-in panels. Suspension system will be hung directly from structure above by means of carrying channels. Exposed grid will be electro galvanized steel and will be white in color.

9.4 Wall Finishes:
Classrooms and Offices: Sand Textured Finish, Painted Gyp Board Above
Commons/Classroom Corridors: Ceramic Tile Wainscot to 6'-8" and Painted Gyp Board Above.
Public Toilets: Full Height Ceramic Tile
Individual Toilets: Full Height Ceramic Tile

Paint will be latex base eggshell enamel finish. Undercoat paint and primers will be produced by same manufacturer as finish coats. Color to be selected by Architect. Epoxy paint will be provided at all wet areas.

Ceramic Wall Tile will be glazed ceramic tile. Tile and grout colors as detailed on contract documents.

10.1 Marker-boards and Tack-boards:
Markerboards will be white metal faced, where indicated on plans. Tack-boards will be vinyl faced where indicated on plans. Trim sections will be screw-on aluminum. Trim accessories will be provided including chalk troughs, map rails, map hooks, display hooks, and end sections.

10.2 Toilet Enclosures:
In main toilets, floor mounted, overhead-braced, solid plastic toilet partitions will be provided. Compartments will have gravity hinges, latches, hooks and bumpers. Color to be selected by Architect. Enclosures equipped for the handicapped will have stainless steel grab bars.

10.3 Toilet Accessories:
Toilet accessories will be provided, consisting of: Mirrors: ¼ inch polished float glass in stainless steel frame over each lavatory. Vandal proof single-roll toilet tissue dispenser in each toilet compartment. Feminine napkin disposal unit in each staff toilet compartment. Electrical hand dryers will be provided at all public toilets.
Dispensers will be provided by Owner and contractor installed.

10.4 Fire Extinguishers:
Recessed cabinets will have glass panel doors. Fire extinguishers will be provided.

10.5 Miscellaneous Specialties:
Miscellaneous specialties for the project will be provided, consisting of:

Cast aluminum building plaque
Cast aluminum building letters
ACM Paneling
Mobile storage shelving
Outdoor fabric canopy covers
Stage equipment (curtain, lights, and sound system)
Food Service area purse lockers
Interior Signage
Site Signage

DIVISION 11:
Equipment

11.1 Food Service Equipment:
Food Service Equipment specified will comply with NSF, UL, and NFPA, as well as all local applicable laws, building codes and regulations.

Quality level of "Buy-Out" items such as ranges, ovens, mixers, etc. will be of a reputable brand name with regionally available parts/service. Finishes of counters, sinks, tables, etc. are anticipated to be simplistic in design/construction, with economic detailing and minimal moving components.

Fabricated equipment will have work surface of 14-gauge stainless steel, 16-gauge stainless steel shelves and stainless legs. Serving counter bodies will be 18-gauge stainless steel fronts with plastic laminate.

All Food Service Equipment will be delivered and set in place ready for final utility connection. After installation, all surfaces will be cleaned ready for Owner's use. An operator demonstration, as well as a final Food Service Equipment inspection, will be provided.

11.2 Athletic Equipment:
Athletic equipment to be provided will include the following:
Operable Tempered Glass Basketball Backstops
Telescoping Bleachers at the sub varsity gym

DIVISION 12:
Furnishings

12.1 Media Center Equipment & Casework:
Media Center Equipment and Casework will be provided and installed. The electrical contractor will be responsible for rough in of floor outlets, etc.

Equipment and furniture in the media center will be provided, consisting of the following:

Shelving Units
Equipment Storage Units
Media Counter and Cabinets
Computer Tables
Tables w/Chairs
Book Trucks Equipment, Casework, and Furniture will be Oak.
Tops and work surfaces will be plastic laminate.

All moveable furnishings will be provided separately by the district including classroom desks, teacher's desks, cafeteria tables and chairs, administration desks and chairs, computer tables and chairs, science lab stools, etc.

Fixed classroom storage cabinets, base cabinets and wall-hung cabinets will be provided.

12.2 Furniture (not in contract):
All moveable furnishings will be provided separately by the owner, includes classroom desks, teacher's desks, administration desks and chairs, computer lab tables and chairs.

13.1 None

DIVISION 13:
Special Construction

14.1 Elevator
A stationary vertical commercial elevator will be provided at the classroom wing.

DIVISION 14:
Conveyance Systems

15.1 – 19.1 None

DIVISION 15-19:
Plumbing

21.1 Fire Sprinkler:
A complete fire sprinkler system for the entire building will be provided, designed and installed.

DIVISION 21:
Fire Supression

22.1 Plumbing Equipment:
Plumbing fixtures will be Institutional Grade vitreous china. Water closets will be floor mounted, and urinals will be wall hung. Lavatories will be wall hung.

DIVISION 22:
Plumbing

22.2 Piping and Accessories:
Waste and storm sewer piping above grade will be cast iron. Storm sewers below grade will be PVC. Waste piping below grade will be PVC. Domestic water supply above grade will be Type L copper. Below grade, use Type L copper. Natural gas piping will be schedule 40 black steel. Condensate and equipment pan drain piping will be Type M copper pipe. Piping system will be insulated with heavy density fiberglass pipe insulation with all service jacket and double adhesive self-sealing lap of thickness as follows:

- 2": Domestic cold water, roof drain, Domestic hot water, water cooler drains
- 1": Condensate drain.

22.3 Fire Protection
Automatic sprinkler system for the entire building. Piping system shall be black steel pipe. System shall meet NFPA standards and insurance underwriters as required.

22.4 Air Distribution System:
Exhaust systems for the heating, ventilating, and air conditioning systems will be galvanized sheet metal ducts fabricated and installed to pertinent American Society of Heating Refrigeration and Air Conditioning Engineers (ASHRAE) and Sheet Metal and Air Conditioning Contractors National Associates (SMACNA) standards for low pressure ductwork, or to the requirements of governmental agencies having jurisdiction, whichever requirements are more stringent.

22.5 Vibration and Noise Control:
Noise and vibration generating equipment will be located in service areas to reduce distraction in the teaching and display areas. Noise will be reduced within the ductwork to reduce noise at room air outlets. Mechanical room and outside noise and vibration will be controlled with high mass building construction.

DIVISION 23:
HVAC

23.1 15.1 General:
International Building Code will be adhered to as well as all local codes and ordinances, and the Conditions of the Contract.

23.2 Basic Materials and Methods:
First quality new materials will be used throughout the installation. These materials will be the most current industrial standard type for a modern, labor efficient installation.

Contractors will comply with General and Supplementary Conditions of the Contract regarding permits, fees, inspections, and other incidental costs regarding permits, inspections and approvals.

Technical data will include shop drawings, descriptive catalog data and manufacturers' installation instructions will be submitted for all items of material and equipment furnished and installed as part of the work of

this Section.
Piping and duct work in finished areas will be installed concealed in chases, furred spaces, and above ceilings unless noted otherwise. Wherever possible pipes and ducts will be installed tight against the building structure. In order to provide ease of access to this and other concealed equipment, piping runs will be grouped where possible. Equipment requiring maintenance and adjustment will be easily accessible.

23.3 HVAC Equipment:
General building cooling and heating will be provided by high efficiency roof top units and shall comply with required ASHRAE ventilation requirement and latest edition of the International Energy Conservation Code.

Units will use gas for heating and electricity for cooling.

24.1 – 25.1 None

DIVISION 24-25:
Plumbing

26.1 General:
Electrical work will be installed in accordance with the adopted National Electric Code.

26.2 Technology:
Contractor will install conduit computer cabling and equipment including technology devices, security system, and telephone system.

DIVISION 26:
Electrical

26.3 Basic Materials and Methods:
First quality new materials will be used throughout the installation. These materials will be the most current industrial standard type for a modern, labor efficient installation. Equipment will bear the Underwriters Laboratory, Inc. label where applicable.

Contractors will comply with General and Supplementary Conditions of the Contract regarding permits, fees, inspections, and other incidental costs regarding permits, inspections and approvals.

Electrical conductors will be copper with thermo plastic insulation. Wiring will be installed in raceway systems consisting of conduits, boxes, covers, cabinets, and fittings.

Raceways in finished areas will be installed concealed, in chases, furred spaces, and above ceilings. In order to provide ease of access to this and other concealed equipment, conduit runs will be grouped where possible.

Wiring devices will be specification grade with stainless steel cover plates.

Major electrical equipment will be identified with engraved plastic nameplates permanently secured with metal screws. Electrical circuits will be tagged and identified. Panelboards will be equipped with typewritten circuit directories listing circuit designation and equipment served.

A guarantee on all work and equipment for one year from Owner's acceptance will be provided.

26.4 Service Entrance and Equipment:

Electric service will be installed in accordance with the electric utility company and local code requirements. The main switchboard will be free standing, pad mounted, circuit breaker type. The equipment will be Underwriters Laboratory, Inc. (UL) rated for service entrance equipment with copper bussing full height

26.5 Distribution System:

Distribution switchboards will be dead front, completely enclosed circuit breaker type furnished with ground bus the entire length of switchboard.

26.6 Branch Circuit Panel boards:

Lighting, power and computer panelboards will be factory assembled, circuit breaker type. The bussing will be arranged for sequence phasing throughout. Circuit breakers will be molded case, bolt-in type.

26.7 Grounding System:

Electrical systems will be properly grounded in accordance with National Electrical Code Article 250, applicable local codes and Conditions of the Contract.

26.8 Lighting Fixtures:

LED lighting is preferred and will be installed where cost effective.

Metal halide light fixtures will be provided in gymnasiums, library, and parking lot lighting.

LED exit signs and emergency egress lighting fixtures will be provided with a self-contained battery pack to illuminate signs and paths of egress during a power failure.

Lighting system shall comply with latest edition of the International Energy Conservation Code. LED lights will be used throughout.

26.9 Public Address System:

The Public Address System and integrated Telephone system is to be Owner furnished/Owner installed. J-boxes, conduit and wire supporting devices are to be provided as part of the construction project.

27.1 Wired Computer Distribution System:

A wired computer distribution system with fiber optic backbone and CAT 6 copper drops will be provided to outlets and wireless points through the building. Racks and connections will be in the contract. The School shall supply all switches, computers, projectors and equipment.

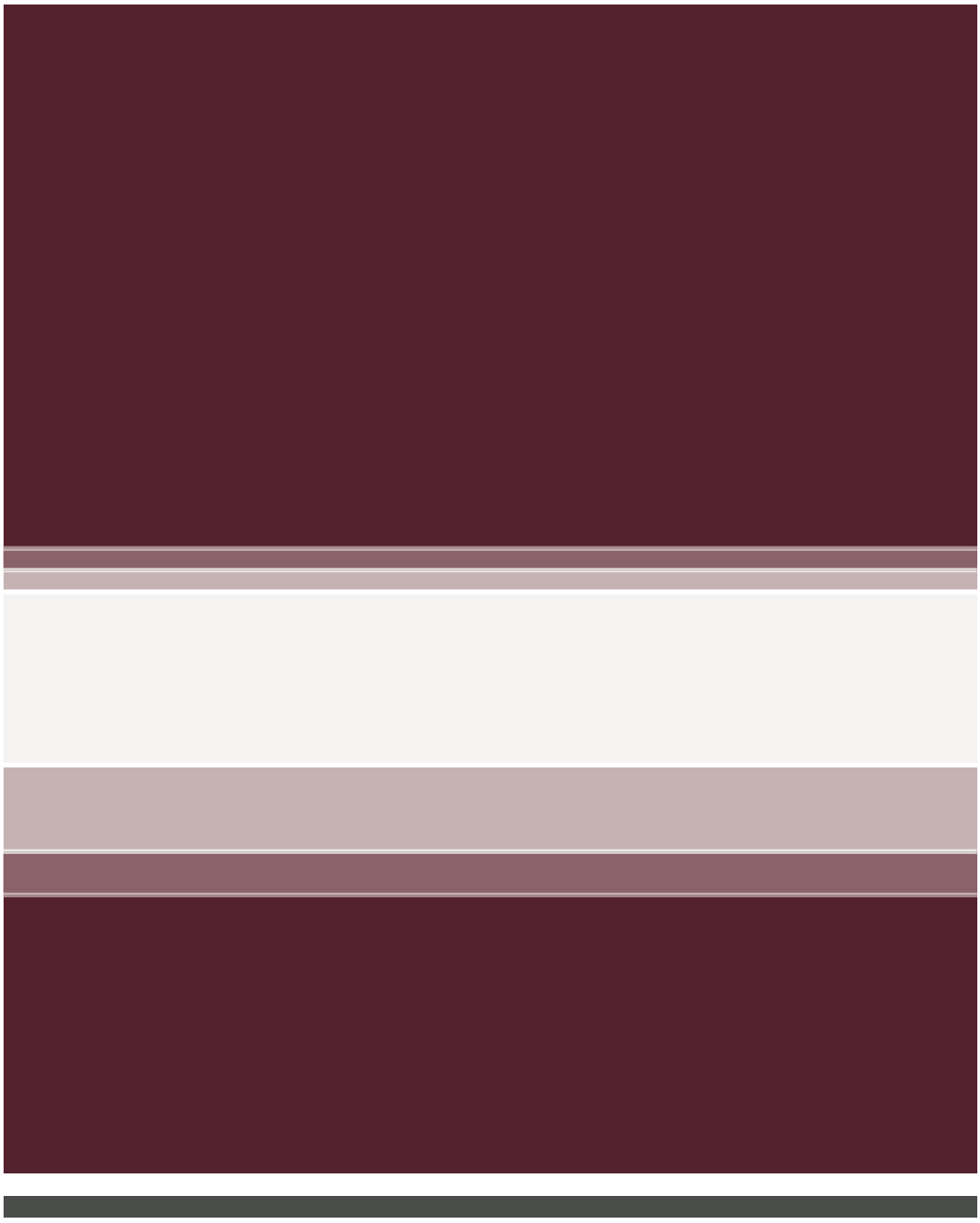
27.2 Connection with Existing Systems:

The new technology, fire, phone, and security systems should be coordinated to tie into existing district systems.

28.1 Automatic Fire Alarm System:

A complete low voltage, electrically supervised, closed circuit addressable fire alarm and smoke detection system will be provided to comply with state and local codes. A self-contained, maintenance free, automatic battery back-up system will provide power to the fire alarm during an electrical power failure.

Bond Planning
Accountability
Site Analysis
Communication
Facility Assessment
Compassion
Programming
Quality
Educational Specifications
Reliability
Architecture
Excellence
Public Relations
Dependability
Visualization + Graphics
Commitment
Construction Administration
Innovation
Interior Design
Personal Service
Feasibility Studies
Responsiveness
Sustainable Design
Experience
Master Planning



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