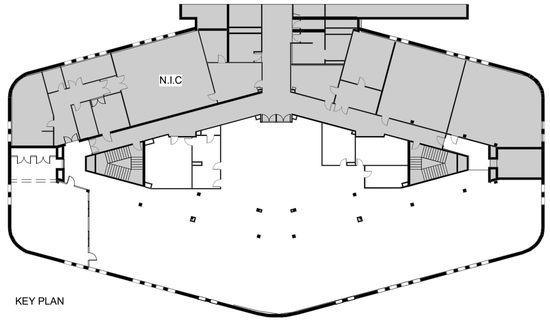
CHESTER UPLAND SCHOOL DISTRICT
CHESTER HIGH SCHOOL - LIBRARY E-SPORT GAME ROOM RENOVATION

DRAWING LIST



KEY PLAN

ABBREVIATIONS

GENERAL / ADMINISTRATIVE
A.F.F. — ABOVE FINISHED FLOOR
APPROX. — APPROXIMATE
ARCH. — ARCHITECT / ARCHITECTURAL
CLG. — CEILING
CLR. — CLEAR
COORD. — COORDINATE
CONT. — CONTINUOUS
EXIST.— EXISTING
F.O.F. — FACE OF FINISH
F.O.S. — FACE OF STUD
NIC — NOT IN CONTRACT
NTS — NOT TO SCALE
TYP. — TYPICAL
U.N.O. — UNLESS NOTED OTHERWISE

DIMENSIONS & LEVELS
B.O. — BOTTOM OF
T.O. — TOP OF
F.F. — FINISHED FLOOR
S.F. — SQUARE FEET
V.I.F. — VERIFY IN FIELD

DOORS, FRAMES & HARDWARE
HM — HOLLOW METAL
WD — WOOD
HWR — HARDWARE
THR — THRESHOLD
SIDL. — SIDELIGHT

FINISHES
ACT — ACOUSTICAL CEILING TILE
GWB — GYPSUM WALLBOARD
PT — PAINT
RB — RUBBER BASE
LVT — LUXURY VINYL TILE
CT — CARPET TILE
PLAM — PLASTIC LAMINATE
SS — SOLID SURFACE

WALLS & PARTITIONS
PTN. — PARTITION
M.S. — METAL STUD
F.R. — FIRE RATED
A.C. — ACOUSTICAL
INSUL. — INSULATION
RC — RESILIENT CHANNEL

SITE / ACCESSIBILITY
ADA — AMERICANS WITH DISABILITIES ACT

MEP-RELATED
AV — AUDIO-VISUAL
IT — INFORMATION TECHNOLOGY
TEL — TELEPHONE
DAT — DATA

LIBRARY & GAMING ROOM–SPECIFIC TERMS
AV RACK — AUDIO-VISUAL RACK
PC — PERSONAL COMPUTER
CONN. — CONNECTION
MON. — MONITOR
PWR — POWER
LV — LOW VOLTAGE
UPS — UNINTERRUPTIBLE POWER SUPPLY
ACC. — ACCESSORIES
FF&E — FURNITURE, FIXTURES & EQUIPMENT

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE CONTRACT DOCUMENTS AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES, REGULATIONS, AND STANDARDS, INCLUDING THOSE GOVERNING EDUCATIONAL FACILITIES, ACCESSIBILITY, FIRE PROTECTION, AND TECHNOLOGY INFRASTRUCTURE.
2. THE CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, UTILITIES, AND CONSTRUCTION PRIOR TO STARTING WORK. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT FOR DIRECTION BEFORE PROCEEDING
3. THE SCHOOL BUILDING WILL REMAIN OCCUPIED THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH THE OWNER TO MAINTAIN SAFE, UNINTERRUPTED SCHOOL OPERATIONS AND PROTECT STUDENTS, STAFF, AND VISITORS AT ALL TIMES.
4. CONSTRUCTION PHASING AND SEQUENCING SHALL BE COORDINATED WITH THE OWNER AND SCHOOL ADMINISTRATION. WORK AFFECTING LIBRARY OPERATIONS, ADJACENT CLASSROOMS, CORRIDORS, UTILITIES, FIRE ALARM SYSTEMS, OR SECURITY SYSTEMS SHALL BE SCHEDULED TO MINIMIZE DISRUPTION.
5. ALL REQUIRED EGRESS PATHS, FIRE PROTECTION SYSTEMS, LIFE-SAFETY SYSTEMS, AND ACCESSIBLE ROUTES SHALL REMAIN ACTIVE AND UNOBSTRUCTED UNLESS TEMPORARY MODIFICATIONS ARE APPROVED BY THE ARCHITECT AND AUTHORITIES HAVING JURISDICTION.
6. A PRE-DEMOLITION WALK-THROUGH WITH THE OWNER AND ARCHITECT IS REQUIRED TO CONFIRM REMOVAL LIMITS. VERIFY ALL WALL-MOUNTED ACCESSORIES, TECHNOLOGY COMPONENTS, SHELVING, SIGNAGE (INCLUDING TACTILE SIGNAGE), AND EQUIPMENT TO BE REMOVED OR TO REMAIN. PROTECT ALL ADJACENT CONSTRUCTION AND FINISHES SCHEDULED TO REMAIN.
7. CUTTING AND PATCHING SHALL BE LIMITED TO WHAT IS NECESSARY FOR PROPER EXECUTION OF THE WORK. ALL PATCHED SURFACES SHALL MATCH ADJACENT CONSTRUCTION IN MATERIAL, TEXTURE, COLOR, AND PERFORMANCE UNLESS NOTED OTHERWISE. EXISTING WARRANTIES AND SYSTEMS SHALL NOT BE COMPROMISED.
8. INTERIOR FINISH IMPROVEMENTS INCLUDE NEW FLOORING, WALL FINISHES, CEILINGS, DOORS, MILLWORK, AND ACCESSORIES AS INDICATED. COORDINATE FINISH INSTALLATION WITH MECHANICAL, ELECTRICAL, LOW-VOLTAGE, AND TECHNOLOGY SYSTEM REQUIREMENTS FOR THE RENOVATED LIBRARY AND GAMING ROOM.
9. MECHANICAL AND ELECTRICAL WORK INCLUDES MINOR UPGRADES, RELOCATIONS, AND MODIFICATIONS REQUIRED TO SUPPORT THE RENOVATED SPACES, INCLUDING POWER DISTRIBUTION FOR GAMING EQUIPMENT, AV SYSTEMS, AND TECHNOLOGY FURNITURE. COORDINATE ALL TIE-INS, SHUTDOWNS, AND UTILITY INTERRUPTIONS WITH THE OWNER.
10. COMMUNICATIONS, DATA, AND IT IMPROVEMENTS SHALL BE COORDINATED WITH THE OWNER'S TECHNOLOGY DEPARTMENT. EXISTING SYSTEMS SHALL REMAIN OPERATIONAL UNLESS OUTAGES ARE APPROVED IN ADVANCE. PROVIDE PATHWAYS, RACEWAYS, AND DEVICE LOCATIONS REQUIRED FOR THE GAMING ROOM'S TECHNOLOGY INFRASTRUCTURE.
11. THE CONTRACTOR SHALL PROTECT ALL EXISTING EQUIPMENT, FURNISHINGS, BOOKSHELVES, TECHNOLOGY SYSTEMS, AND LIBRARY MATERIALS FROM DUST, DAMAGE, OR DISPLACEMENT. DAMAGED ITEMS SHALL BE REPAIRED OR REPLACED AT NO COST TO THE OWNER.
12. PROVIDE TEMPORARY PROTECTION, DUST CONTROL, PARTITIONS, AND NEGATIVE AIR AS REQUIRED TO MAINTAIN INDOOR AIR QUALITY AND COMPLY WITH SCHOOL HEALTH AND SAFETY REQUIREMENTS. NOISE-GENERATING WORK SHALL BE COORDINATED TO AVOID DISRUPTION TO LIBRARY AND CLASSROOM ACTIVITIES.
13. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND OF COMMERCIAL-GRADE QUALITY UNLESS SPECIFICALLY NOTED OTHERWISE. WORKMANSHIP SHALL MEET INSTITUTIONAL STANDARDS APPROPRIATE FOR K–12 EDUCATIONAL FACILITIES, INCLUDING DURABILITY AND SAFETY REQUIREMENTS.
14. MAINTAIN THE PROJECT SITE IN A CLEAN, SAFE, AND ORDERLY CONDITION. REMOVE DEBRIS REGULARLY, PROTECT COMPLETED AND IN-PROGRESS WORK, AND PROMPTLY CORRECT OR REPLACE DEFECTIVE OR NON-CONFORMING WORK TO THE SATISFACTION OF THE OWNER AND ARCHITECT.
15. UPON COMPLETION, ALL RENOVATED AREAS—INCLUDING THE GAMING ROOM—SHALL BE CLEAN, FULLY OPERATIONAL, AND READY FOR OWNER OCCUPANCY, WITH ALL SYSTEMS TESTED, ADJUSTED, AND FUNCTIONING AS INTENDED.

FRANCES+

FRANCES ASSOCIATES LLC
15 N Sylvania Ave
Jenkintown, PA. 19046
2153856348

MG ENGINEERING
334 W. Front Street,
Media, PA 19063
mgalante@mgeassoc.com
(856) 404-0540

No.	Description	Date
0	ISSUED FOR BID	7/22/2026

CUSD
CUHS GAME ROOM
COVER SHEET

Project number	202603_
Date	2026-07-20
Drawn by	CF
Checked by	-

A0

Scale 1" = 30'-0"

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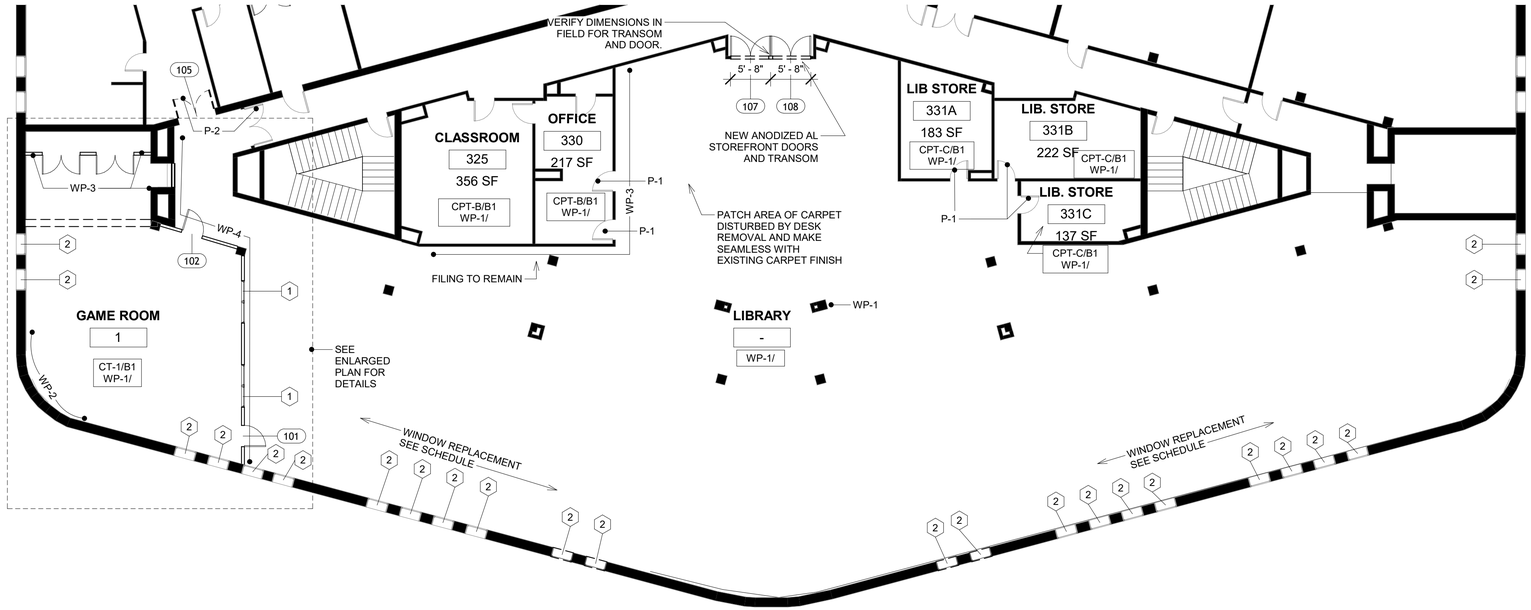
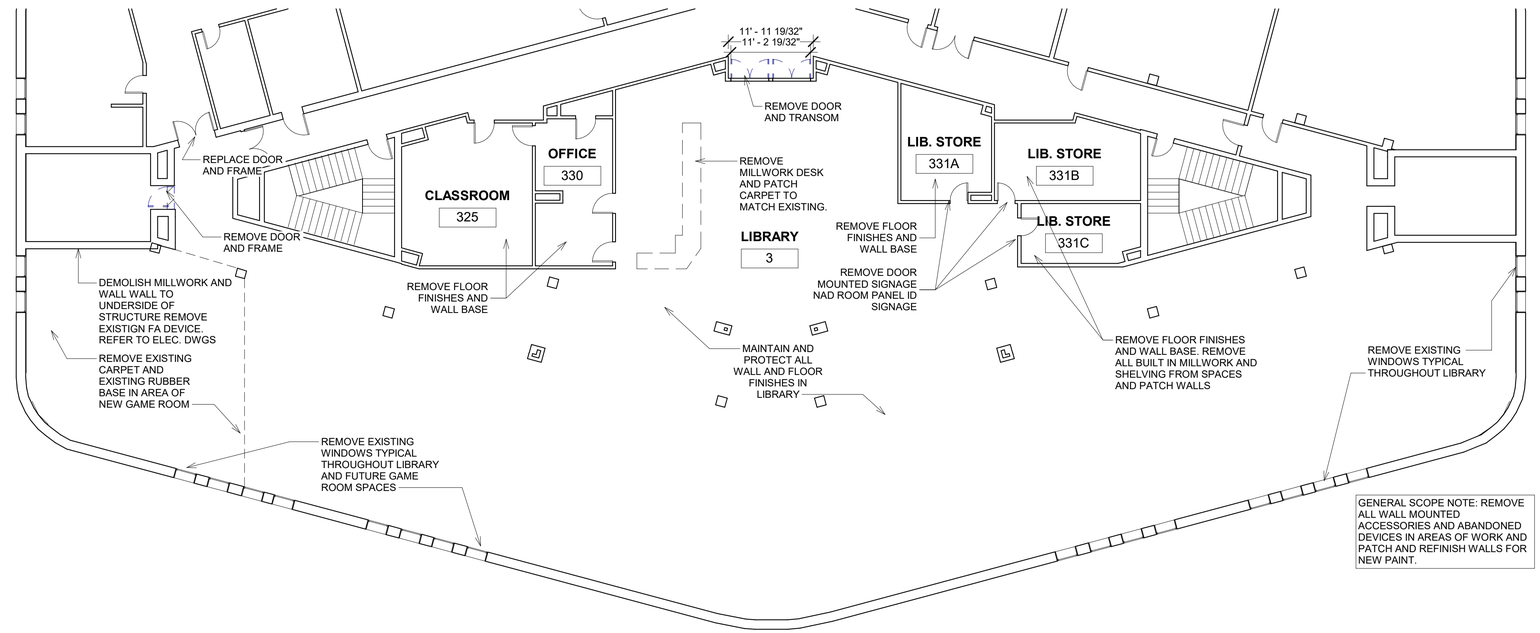


3 OVERALL NEW PLAN
3/32" = 1'-0"



1 OVERALL DEMOLITION PLAN
3/32" = 1'-0"

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15 N Sylvania Ave
Jenkintown. PA. 19046
2153856348

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334 W. Front Street,
Media, PA 19063
mgalante@mgeassoc.com
(856) 404-0540

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CUSD
CUHS GAME ROOM
DEMO AND NEW WORK FLOOR PLANS

Project number	202603_
Date	2026-07-20
Drawn by	CF
Checked by	-
Scale	3/32" = 1'-0"

A1

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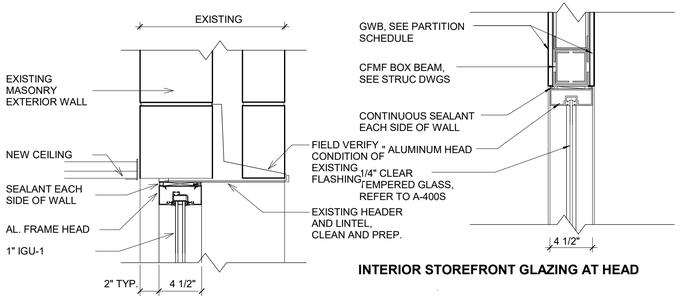
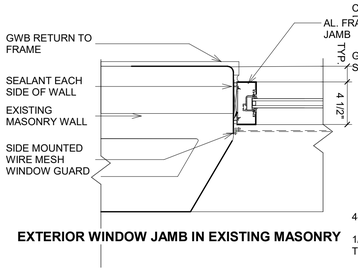
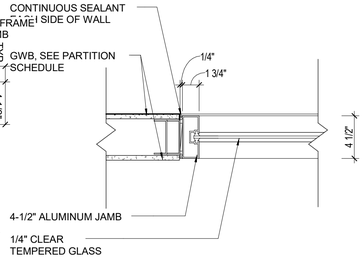


EXTERIOR WINDOW HEAD IN EXISTING MASONRY

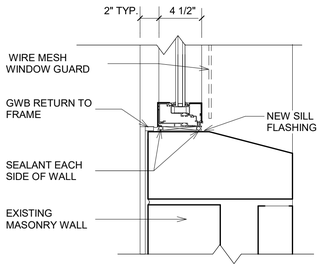
INTERIOR STOREFRONT GLAZING AT HEAD



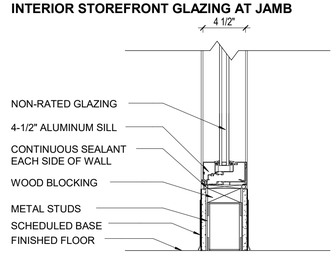
EXTERIOR WINDOW JAMB IN EXISTING MASONRY



INTERIOR STOREFRONT GLAZING AT JAMB



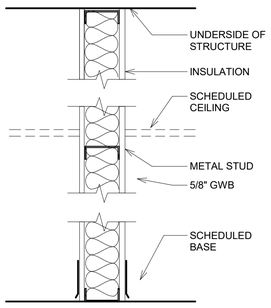
EXTERIOR WINDOW SILL IN EXISTING MASONRY



INTERIOR STOREFRONT GLAZING AT BASE

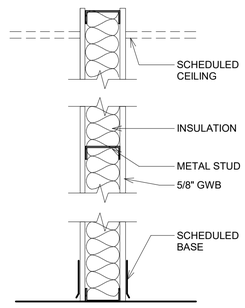
5 EXTERIOR WINDOW DETAILS
1 1/2" = 1'-0"

4 TYPICAL DETAILS INTERIOR GLAZING
1 1/2" = 1'-0"



TYPE A1
FULL HEIGHT DOUBLE SIDED PARTITION

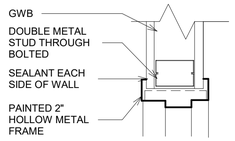
WIDTH - 4 7/8"
CORE - 3 5/8"
5/8" GWB ON 3 5/8" 25 GA METAL STUDS AT 16" OC - 2 SIDES



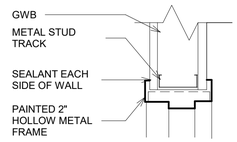
TYPE A2
CEILING HEIGHT DOUBLE SIDED PARTITION

WIDTH - 4 7/8"
CORE - 3 5/8"
5/8" GWB ON 3 5/8" 25 GA METAL STUDS AT 16" OC - 2 SIDES

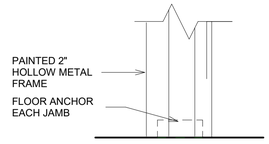
3 TYPICAL PARTITIONS
1 1/2" = 1'-0"



HOLLOW METAL FRAME JAMB

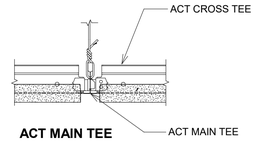


HOLLOW METAL FRAME HEAD

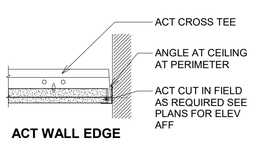


HOLLOW METAL FRAME AT STUD SILL

6 TYPICAL DETAILS DOORS
1 1/2" = 1'-0"

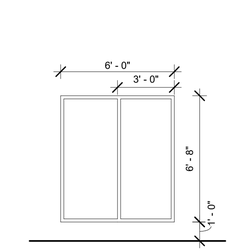


ACT MAIN TEE

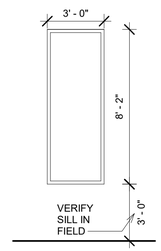


ACT WALL EDGE

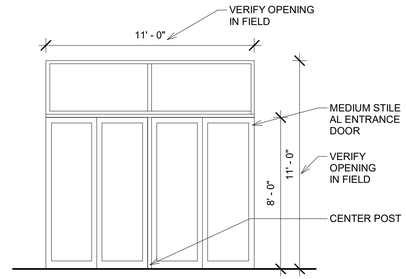
7 TYPICAL DETAILS CEILING
1 1/2" = 1'-0"



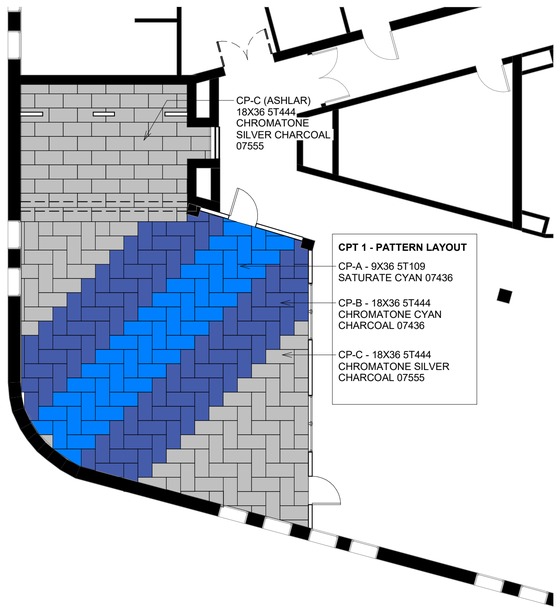
8 W1 ELEVATION
1/4" = 1'-0"



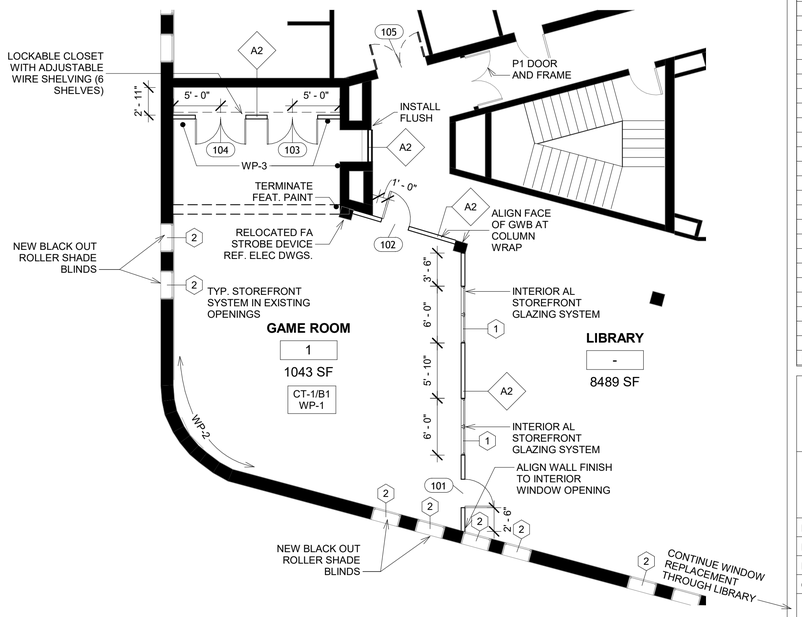
9 W2 ELEVATION
1/4" = 1'-0"



10 LIBRARY ENTRANCE
1/4" = 1'-0"



2 ENLARGED PLAN FLOOR FINISH
1/8" = 1'-0"



1 ENLARGED PLAN
1/8" = 1'-0"

FRANCES+

FRANCES ASSOCIATES LLC
15 N Sylvania Ave
Jenkintown. PA. 19046
2153856348

MG ENGINEERING
334 W. Front Street,
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mgalante@mgeassoc.com
(856) 404-0540

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CUSD
CUHS GAME ROOM
ENLARGED PLANS AND DETAILS

Project number	202603_
Date	2026-07-20
Drawn by	CF
Checked by	-
Scale	As indicated

A2

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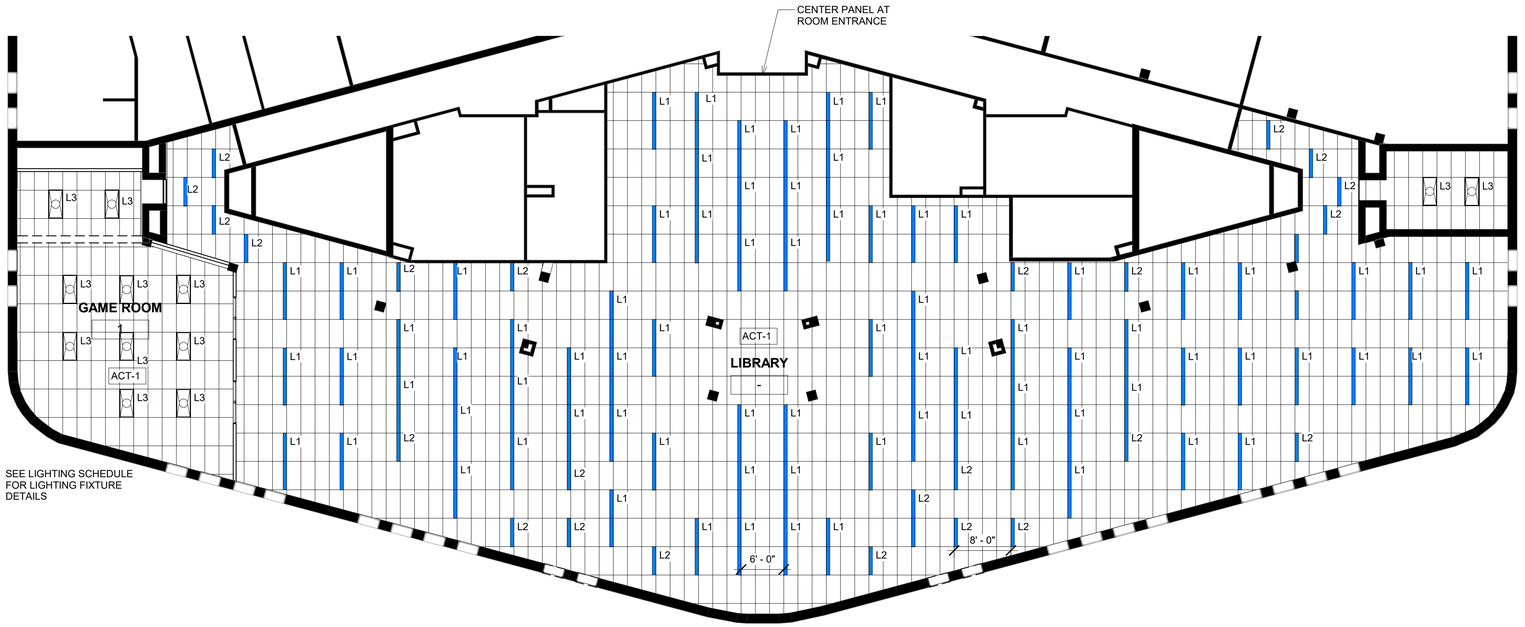
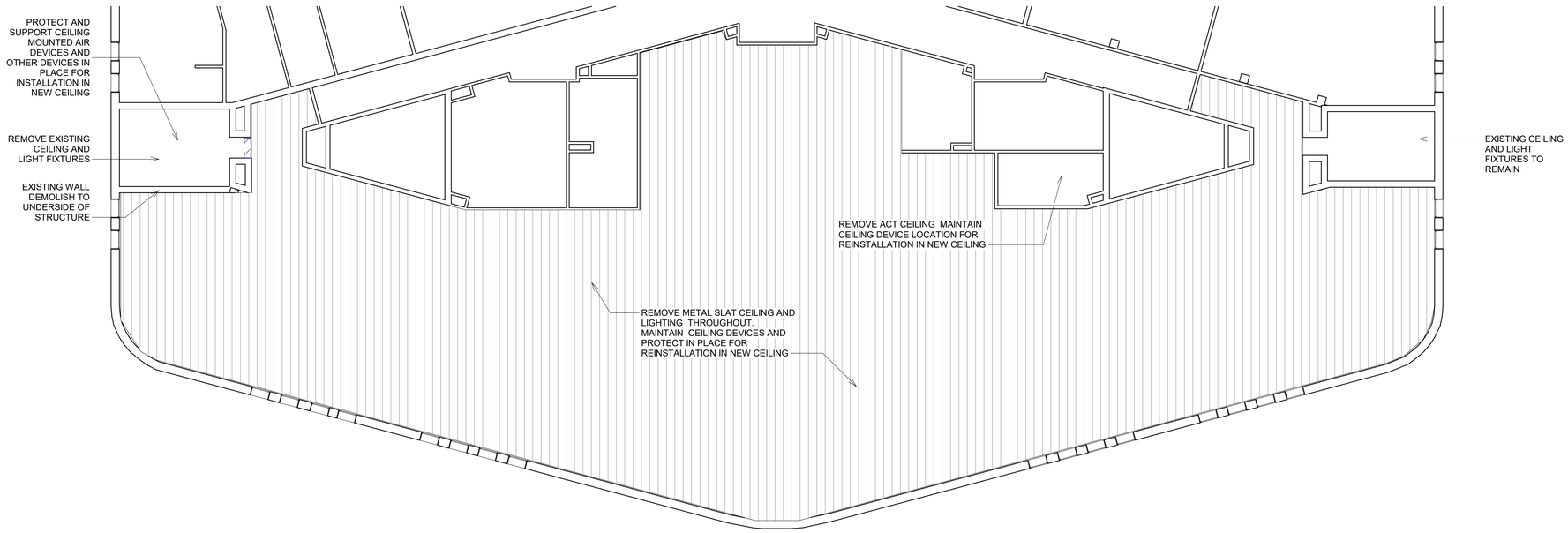


1 OVERALL RCP PLAN
3/32" = 1'-0"



2 OVERALL RCP DEMOLITION
3/32" = 1'-0"

FRANCES+

FRANCES ASSOCIATES LLC
15 N Sylvania Ave
Jenkintown. PA. 19046
2153856348

MG ENGINEERING
334 W. Front Street,
Media, PA 19063
mgalante@mgeassoc.com
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No.	Description	Date
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CUSD

CUHS GAME ROOM

REFLECTED CEILING PLAN

Project number	202603_
Date	2026-07-20
Drawn by	Author
Checked by	Checker

A3

Scale	3/32" = 1'-0"

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OPENINGS

08 14 16 – INTERIOR WOOD DOORS

Furnishing and installation of interior wood doors with a minimum Includes door leaves, fire labels, and coordination with frames, hardware, and fire-rated assemblies. Work includes wood doors, painted hollow metal frames, hardware preparation, and all accessories required for a complete installation.

REFERENCES
- NFPA 80 – Fire Doors and Other Opening Protectives
- UL 10C or ASTM E2074
- Applicable building and fire codes as adopted by the AHJ

QUALITY REQUIREMENTS
- Doors shall be listed and labeled by a recognized testing agency.
- Installation shall comply with manufacturer listing and NFPA 80.
- Fire rating labels shall remain visible and intact.

BASIS OF DESIGN: VT Industries – Architectural Wood Doors, AA-grade Maple veneer, 1-3/4" thick, non-rated, with matching hardwood edges. Alternate manufacturers may be submitted for review.

PERFORMANCE REQUIREMENTS
- Doors shall comply with AWI Premium Grade construction for non-rated interior doors.
- Veneer shall be Maple, book-matched or slip-matched, with uniform grain and color.
- Doors shall withstand daily K–12 use, resist warping, and maintain finish integrity under routine custodial cleaning.
- Storage room doors shall include solid core construction suitable for heavier use and increased durability.

SUBMITTALS
Provide product data, veneer samples, finish samples, hardware preparation details, and shop drawings showing door sizes, core type, veneer matching, and frame profiles.

FLUSH WOOD DOORS
- Construction: 1-3/4" thick, solid core (particleboard or SCL core), Maple veneer faces, matching Maple hardwood edges.
- Veneer: AA-grade Maple, clear finish, low-VOC factory-applied UV-cured coating.
- Core: Solid core required for all classroom and storage doors.
- Hardware Prep: ANSI A115 series preps for hinges, locksets, closers, and vision panels as indicated.

PAINTED HOLLOW METAL FRAMES
- Material: 16-gauge cold-rolled steel, knock-down or welded construction as indicated.
- Finish: Factory-primed and field-painted; color per schedule
- Profiles: Standard 5-3/4" or 6-3/4" jamb depth for stud walls; include appropriate anchors for drywall or masonry.
- Compatibility: Frames shall be fully compatible with VT Industries door hardware preps and hinge locations.

STORAGE DOORS
- Provide solid core Maple veneer doors identical in construction to classroom doors but with:
- Reinforced hardware blocking for heavy-duty locksets.

ACCESSORIES
Provide manufacturer's standard edge strips, blocking, glazing stops, silencers, and fasteners required for a complete installation.

INSTALLATION
Install doors and frames plumb, level, and square per manufacturer's instructions. Coordinate with wall construction to ensure proper anchorage and alignment. Ensure frames are securely fastened and properly shimmed.

HARDWARE AND FITTING
Fit doors to frames with uniform clearances per AWI standards. Install hardware without distortion to door or frame. Ensure smooth operation of hinges, locksets, and closers.

08 71 00 - DOOR HARDWARE

This Section includes door hardware for openings, including locksets, latches, hinges, closers, strikes, cylinders, keys, and accessories required to complete a functional door assembly. Work includes furnishing, installation, adjustment, and coordination of classroom door hardware and integration with the Owner's existing key system.

REFERENCES
- ANSI/BHMA A156 Series – Door Hardware Standards
- International Building Code (IBC), current adopted edition
- Americans with Disabilities Act (ADA)
- NFPA 80 – Fire Doors and Other Opening Protectives

SUBMITTALS
- Product Data: Manufacturer's technical information for each hardware component.
- Hardware Schedule: Door-by-door hardware sets indicating quantities, functions, handing, fire ratings, and keying.
- Keying Schedule: Prepared in coordination with the Owner and Architect prior to procurement.

PRODUCTS
- Provide Grade 1 heavy-duty commercial door hardware suitable for high-traffic educational environments.
- All hardware shall be from a single manufacturer per opening type to ensure compatibility and warranty integrity.

CYLINDERS AND KEYS
- Cylinders shall be compatible with the Owner's existing key system.
- Provide new cylinders or re-coring as required to integrate with the Owner's system.
- Interchangeable core (SFIC/LFIC) systems shall be provided when required by the Owner.

INSTALLATION
Install hardware in accordance with manufacturer's written instructions and approved hardware schedule. Install hardware plumb, secure, properly aligned, and adjusted for smooth operation and code compliance.

KEYING COORDINATION
- Contractor shall coordinate all keying requirements with the Owner prior to ordering hardware.
- Keying shall match the Owner's existing master key system unless noted otherwise.
- Provide keys in quantities and groupings as directed by the Owner.
- Keys shall be delivered directly to the Owner or as directed by the Owner's facilities representative.

08 41 13 – ALUMINUM STOREFRONT GLAZING SYSTEMS (INTERIOR & EXTERIOR)

Provide **interior and exterior fixed aluminum storefront framing and glazing systems** for classrooms, corridors, administrative areas, and exterior façade locations in K–12 facilities. Work includes aluminum framing, insulated glazing units, anchors, trim, sealants, and all accessories required for complete installation.

BASIS OF DESIGN Basis of Design manufacturer:
- **Exterior Windows:** *Kawneer 8400 Series Casement Window* (inward-opening configuration).
- **Interior System:** *Tubelite 4500 Series Interior Storefront System.*

Alternate manufacturers may be submitted for review provided they meet or exceed the structural performance, thermal performance, finish durability, glazing compatibility, and warranty requirements of the Basis of Design.

PERFORMANCE REQUIREMENTS
- Exterior framing shall be **thermally broken**, capable of supporting insulated glazing units and resisting wind loads per IBC for the project location.
- Interior framing shall maintain structural integrity under daily school use and meet safety glazing requirements.
- Exterior glazing shall be **insulated**, **low-E coated**, and meet energy code requirements for U-factor and SHGC.
- Systems shall comply with **ANSI Z97.1**, **CPSC 16 CFR 1201**, and applicable IBC provisions for safety glazing.
- Air and water infiltration performance shall meet manufacturer's published standards for exterior storefront assemblies.

SUBMITTALS Submit product data, finish samples, insulated glazing unit samples, and installation instructions. Provide shop drawings showing elevations, frame profiles, glazing thickness, anchorage, thermal breaks, and coordination with adjacent construction.

PRODUCTS
ALUMINUM FRAMING – EXTERIOR CASEMENT WINDOWS
- Provide **3'-0" x 8'-2" inward-opening casement windows**, Kawneer 8400 Series or approved equal.
- Frames and sash shall be **extruded aluminum**, minimum **6063-T5 alloy**, with integral **polyamide thermal breaks**.
- **Finish:** Dark bronze anodized (AA-M12C22A34).
- Provide manufacturer's standard hinges, multipoint locks, operators, weatherstripping, glazing stops, anchors, and fasteners compatible with insulated glazing units.

ALUMINUM FRAMING – INTERIOR
- Interior framing shall be **extruded aluminum**, minimum **6063-T5 alloy**, with clean architectural profiles.
- Finish shall match exterior storefront or be clear anodized as selected.
- Provide manufacturer's standard interior stops, anchors, and accessories.

EXTERIOR INSULATED GLAZING UNITS : IGU -1
Provide factory-assembled IGUs meeting the following:
- **Glass Type:** 1" insulated glazing unit consisting of:
- **Exterior Lite:** ¼" clear tempered glass with **low-E coating** (soft coat).
- **Interior Lite:** ¼" clear tempered glass.
- **Spacer:** Warm-edge spacer system, minimum ½" airspace.
- **Gas Fill:** Argon-filled cavity.
- **Performance:**
- U-Factor: **≤ 0.29** (typical low-E IGU performance).
- SHGC: **≤ 0.40** depending on orientation.
- **Sealants:** Dual-seal system with PIB primary seal and silicone secondary seal.

INTERIOR GLAZING MATERIALS: GL-1
- Provide **¼" or ⅜" tempered safety glass**, clear, meeting ANSI Z97.1 and CPSC 16 CFR 1201 Category II.
- Optional laminated glass for acoustic or security requirements.
- Sealants shall be manufacturer-recommended, non-staining, and compatible with aluminum and glass.

ACCESSORIES Provide continuous glazing gaskets, setting blocks, shims, fasteners, perimeter trim, and thermal break components required for complete installation.

INSTALLATION Install aluminum framing plumb, level, and square per manufacturer's instructions. Anchor frames securely to adjacent construction using approved fasteners and blocking. Coordinate with exterior weather barriers, flashing, gypsum partitions, ceilings, and flooring.

GLAZING Install insulated glazing units and interior glass using manufacturer's recommended dry-glaze or wet-glaze methods. Provide continuous setting blocks and gaskets. Ensure glass is fully seated, free of stress points, and protected from edge damage.

SEALING AND PROTECTION Apply perimeter sealants to ensure air and water tightness at exterior assemblies. Clean framing and glazing of all labels, debris, and installation residue. Protect installed storefronts from damage until project completion. Replace any scratched, chipped, or damaged glass prior to final acceptance.

EXTERIOR ATTACHED SECURITY WELDED WIRE MESH PANELS
Provide exterior aluminum security panels incorporating welded wire mesh infill designed for attachment to exterior window framing systems to enhance forced-entry resistance in K–12 facilities. Panels shall consist of a factory-assembled aluminum perimeter frame fabricated from minimum 6063-T5 extrusions, mechanically fastened and reinforced to receive a welded wire mesh infill. Mesh shall be heavy-duty, welded steel wire, minimum 6 gauge, with a grid spacing of 2" x 2" or as required for security performance. Mesh shall be securely retained within the aluminum frame using continuous mechanical capture channels or welded tabs to prevent removal, prying, or deformation. Entire assembly shall be finished in dark bronze anodized or powder-coated finish compatible with adjacent window framing.

SECTION 08 41 13 – INTERIOR ALUMINUM STOREFRONT ENTRANCE WITH TRANSOM

Provide an interior aluminum storefront entrance assembly, including door, framing, transom glazing, and hardware, designed to fit an existing metal-framed opening in K–12 facilities. Work includes aluminum framing, glazing, hardware, anchors, trim, and accessories required for complete installation.

SUBMITTALS
Submit product data, finish samples, hardware data, and installation instructions. Provide shop drawings showing frame dimensions coordinated with existing opening, door swing, hardware locations, glazing thickness, and anchorage.

PRODUCTS
ALUMINUM FRAMING
Basis of design Kawaneer 350 Medium Stile Entrance
Framing shall be 1 3/4" depth 3 1/2" signline non thermal extruded aluminum, minimum 6063-T5 alloy, with clean interior profiles.
Provide head, jamb, sill, and transom members sized to fit the existing opening.
Finish: Clear anodized
Provide manufacturer's standard glazing stops, anchors, and trim.
DOOR LEAF
Provide 1¾" aluminum stile-and-rail door, narrow or medium stile as required.
Glazing stops shall match frame profile.
Door shall be compatible with scheduled hardware and ADA requirements.
TRANSOM GLAZING
Provide fixed transom panel above door sized to existing opening.
Glazing: ¼" or ⅜" tempered safety glass, clear, meeting ANSI Z97.1 and CPSC 16 CFR 1201 Category II.
Provide continuous setting blocks, gaskets, and sealants compatible with aluminum and glass.

HARDWARE SET NO. C — CLASSROOM DOOR
PERFORMANCE AND COMPLIANCE REQUIREMENTS
- Locksets and hardware shall comply with ANSI/BHMA A156 series standards, ADA, ICC A117.1, NFPA 80, and applicable state education codes.
- Lockset shall allow free egress at all times with a single operation, without use of key, special knowledge, or force.
- Classroom locking shall not require secondary barricade devices and shall maintain access for authorized staff and emergency responders.
- All lever handles shall be ADA-compliant return-to-door design.

HARDWARE SET NO. S — STORAGE ROOM DOOR
PERFORMANCE AND COMPLIANCE REQUIREMENTS
- Locksets and hardware shall comply with ANSI/BHMA A156 series standards, ADA, ICC A117.1, NFPA 80, and applicable state education facility requirements.
- Storage room lock function shall be a standard "Storeroom" function (ANSI F86):
- Exterior lever always locked. Key required for entry.
- Interior lever always free for egress. No interior locking capability.
- Lever handles shall be ADA-compliant return-to-door design, with no sharp edges or projections, suitable for high-use educational environments.
- Provide heavy-duty cylindrical or mortise lockset designed for high-cycle use, minimum Grade 1 per ANSI/BHMA A156.2 or A156.13d.

HARDWARE SET L — LIBRARY STOREFRONT DOUBLE-DOOR ENTRANCE
PERFORMANCE AND COMPLIANCE REQUIREMENTS
- Hardware shall comply with ANSI/BHMA A156 series standards, ADA, ICC A117.1, NFPA 101, and applicable K–12 safety requirements.
- Provide free egress at all times with single-motion operation; no key, tight grasping, pinching, or twisting required.

DOOR HARDWARE COMPONENTS
Primary Egress Door (Active Leaf)
- Exit Device:Rim-type push bar exit device, Grade 1, with exterior lever trim providing Classroom Function (ANSI F86):
- Key locks/unlocks exterior lever.
- Interior push bar always allows free egress.
- Cylinder: Standard removable core or facility key system as scheduled.
- Hinges: Continuous hinge (preferred for aluminum storefront) or heavy-duty butt hinges.
- Closer: Surface-mounted door closer, adjustable spring power, ADA opening force compliant.
- Hold-Open: Manual hold-open arm or friction hold-open as approved by facility standards.
- Stops & Silencers: Wall or overhead stop; provide silencers at frame.

Secondary Door (Inactive Leaf)
- Exit Device: Push bar exit device with vertical rod or rim device, dogged for normal operation.
- Coordinator : Provide door coordinator for proper closing sequence when both leaves are equipped with closers.
- Hinges:Continuous hinge or heavy-duty butt hinges matching active leaf.
- Closer:Surface-mounted closer matching active leaf.
- Hold-Open:Manual or friction hold-open arm as scheduled.
- Flush Bolts Manual or automatic flush bolts if required by opening conditions.

Glazing & Compatibility
- All hardware shall be fully compatible with 1¾" aluminum stile-and-rail storefront doors and factory prepped by the manufacturer.
- Provide reinforcement plates, through-bolts, and brackets as required for aluminum door construction.

Accessories
- Provide fasteners, shims, anchors, and brackets required for complete installation.
- Provide threshold (low profile or no threshold where ADA requires).
- Provide gasketing and weatherstripping appropriate for interior library conditions

DOOR SCHEDULE

Door Number	Door				Finish	Hardware	Frame				Comments
	Width	Height	Thickness	Material			Material	Finish	Jamb	Head	
101	3' - 0"	7' - 0"	0' - 2"	WD	P2	C	HM	P2	2"	2"	
104	5' - 4"	7' - 0"	0' - 1 1/2"	WD	P2	S	HM	P2	2"	2"	Closet
103	5' - 4"	7' - 0"	0' - 1 1/2"	WD	P2	S	HM	P2	2"	2"	Closet
102	3' - 0"	7' - 0"	0' - 2"	WD	P2	C	HM	P2	2"	2"	
105	5' - 4"	7' - 0"	0' - 1 1/2"	WD	P2	C	EX	P2	2"	2"	NEW 45 Min DOOR IN EXISTING FRAME
107	5' - 8"	6' - 8"	0' - 2"	AL SF	Anod	L	AL	Anod	1 3/4"	1 3/4"	VERIFY DIMENSION IN FIELD FOR DOORS AND TRANSOM. GLAZED TRANSOM 5'-8" x 3'-0"
108	5' - 8"	6' - 8"	0' - 2"	AL SF	Anod	L	AL	Anod	1 3/4"	1 3/4"	VERIFY DIMENSION IN FIELD FOR DOORS AND TRANSOM. GLAZED TRANSOM 5'-8" x 3'-0"

WINDOW SCHEDULE

Type	Tag	Height	Width	Sill Height	Head Height	Glazing	Finish	Count	Comments
W1 INTERIOR - SF	1	6' - 8"	3' - 0"	1' - 0"	7' - 8"	GL-1	AL	2	
W2 FIXED - SF	2	8' - 2"	3' - 0"	3' - 0"	11' - 2"	IGU-1	BR AL	24	VERIFY ROUGH OPENING IN FIELD PRIOR TO FABRICATION IINCLUDE WIRE MESH SECURITY GRATING AT EXTERIOR

PRODUCT AND SUBMITTAL REQUIREMENTS

1. GENERAL
CONTRACTORS SHALL FURNISH ALL TECHNICAL AND PRODUCT SUBMITTALS NECESSARY TO DEMONSTRATE FULL COMPLIANCE WITH THE SPECIFICATIONS AND REQUIREMENTS OF THIS SOLICITATION AND ANY RESULTING CONTRACT. SUBMITTALS SHALL BE COMPLETE, COORDINATED, AND SPECIFIC TO THE PRODUCTS OR SERVICES PROPOSED.

2. REQUIRED TECHNICAL AND PRODUCT SUBMITTALS
AS APPLICABLE, TECHNICAL AND PRODUCT SUBMITTALS SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
- •PRODUCT SPECIFICATIONS AND DETAILED TECHNICAL DATA
- •MANUFACTURER CATALOG CUTS OR DATA SHEETS CLEARLY IDENTIFYING PROPOSED MODELS
- •PERFORMANCE CHARACTERISTICS AND COMPLIANCE CERTIFICATIONS
- •SAFETY DATA SHEETS (SDS), WHERE APPLICABLE
- •WARRANTY DESCRIPTIONS AND TERMS
- •INSTALLATION, OPERATION, AND MAINTENANCE DOCUMENTATION
- •DIMENSIONAL, CAPACITY, OR CONFIGURATION INFORMATION RELEVANT TO THE PROPOSED USE

ALL SUBMITTALS SHALL CLEARLY IDENTIFY THE MANUFACTURER, MODEL NUMBER, AND ANY OPTIONAL COMPONENTS INCLUDED.

3.SUBSTITUTION REQUEST DOCUMENTATION
IDENTIFY THE PRODUCT, MATERIAL, EQUIPMENT, OR INSTALLATION METHOD TO BE SUBSTITUTED AND THE SPECIFIED ITEM BEING REPLACED. SUBMIT COMPLETE DOCUMENTATION DEMONSTRATING COMPLIANCE WITH CONTRACT REQUIREMENTS, INCLUDING BUT NOT LIMITED TO:
1. REASON THE SPECIFIED PRODUCT OR METHOD CANNOT BE PROVIDED, IF APPLICABLE.
2. COORDINATION REQUIREMENTS AND REVISIONS REQUIRED TO OTHER WORK.
3. PRODUCT DATA, DRAWINGS, AND INSTALLATION INFORMATION.
4. SAMPLES, TEST REPORTS, CERTIFICATIONS, AND QUALIFICATION DATA, AS REQUESTED.
5. COST IMPACT, INCLUDING PROPOSED CHANGES TO THE CONTRACT SUM, IF ANY.
6. CONTRACTOR CERTIFICATION THAT THE PROPOSED SUBSTITUTION IS COMPATIBLE WITH RELATED WORK AND MEETS CONTRACT REQUIREMENTS, EXCEPT AS SPECIFICALLY NOTED.

THE CONTRACTOR SHALL INVESTIGATE AND VERIFY COMPATIBILITY OF PROPOSED SUBSTITUTIONS WITH RELATED MATERIALS, ASSEMBLIES, AND SYSTEMS.

4. SUBMITTAL FORMAT AND IDENTIFICATION
•EACH SUBMITTAL SHALL REFERENCE THE APPLICABLE SPECIFICATION SECTION OR ITEM NUMBER.
•SUBMITTALS SHALL BE ORGANIZED, LEGIBLE, AND SUITABLE FOR TECHNICAL REVIEW.
•INCOMPLETE OR GENERIC MANUFACTURER LITERATURE THAT DOES NOT CLEARLY INDICATE THE PROPOSED PRODUCT WILL NOT BE ACCEPTED.

5. REVIEW AND ACCEPTANCE
•REVIEW OF TECHNICAL AND PRODUCT SUBMITTALS SHALL BE FOR GENERAL CONFORMANCE ONLY AND DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR COMPLIANCE WITH ALL CONTRACT REQUIREMENTS.
•PRODUCTS SHALL NOT BE MANUFACTURED, DELIVERED, INSTALLED, OR FURNISHED UNTIL REQUIRED SUBMITTALS HAVE BEEN REVIEWED AND ACCEPTED, WHERE REQUIRED.
•ANY DEVIATIONS IDENTIFIED DURING REVIEW SHALL BE CORRECTED THROUGH RESUBMITTAL AT NO ADDITIONAL COST.

6. RESUBMITTALS
•RESUBMITTALS SHALL CLEARLY IDENTIFY ALL REVISIONS OR CHANGES FROM PREVIOUS SUBMISSIONS.
•FAILURE TO IDENTIFY CHANGES MAY RESULT IN REJECTION OF THE RESUBMITTAL.

PRODUCT REQUIREMENTS
ALL PRODUCTS FURNISHED UNDER THIS CONTRACT SHALL BE NEW, UNDAMAGED, AND SUITABLE FOR THE INTENDED USE, AND SHALL COMPLY WITH THE CONTRACT DOCUMENTS AND APPLICABLE CODES AND STANDARDS.
PRODUCTS IDENTIFIED BY MANUFACTURER AND MODEL ARE DESIGNATED AS BASIS-OF-DESIGN AND ESTABLISH THE MINIMUM PERFORMANCE, QUALITY, AND APPEARANCE REQUIREMENTS. COMPARABLE PRODUCTS MAY BE PROPOSED IN ACCORDANCE WITH ESTABLISHED SUBSTITUTION AND COMPARABLE PRODUCT PROCEDURES, SUBJECT TO REVIEW AND APPROVAL. WHERE MULTIPLE COMPLIANT PRODUCTS ARE AVAILABLE, THE CONTRACTOR SHALL SELECT PRODUCTS COMPATIBLE WITH OTHER WORK AND PREVIOUSLY SELECTED SYSTEMS.
THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING PRODUCT DELIVERIES, STORAGE CONDITIONS, AND INSTALLATION SEQUENCING TO PREVENT DAMAGE, DETERIORATION, LOSS, OR INTERFERENCE WITH CONSTRUCTION PROGRESS. PRODUCTS SHALL BE DELIVERED IN ORIGINAL, LABELED PACKAGING AND STORED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. DAMAGED OR NON-CONFORMING PRODUCTS SHALL NOT BE INSTALLED.
MANUFACTURER WARRANTIES REQUIRED BY THE CONTRACT DOCUMENTS SHALL BE PROVIDED IN ADDITION TO GENERAL CONTRACTUAL OBLIGATIONS AND SHALL BE ISSUED IN THE OWNER'S NAME. SUBMISSION OF WARRANTIES SHALL BE COORDINATED WITH PROJECT CLOSEOUT REQUIREMENTS

CLOSEOUT PROCEDURES
THE CONTRACTOR SHALL COORDINATE ALL CLOSEOUT ACTIVITIES TO ENSURE THE PROJECT IS DELIVERED COMPLETE, OPERATIONAL, AND READY FOR OWNER OCCUPANCY. PRIOR TO REQUESTING SUBSTANTIAL COMPLETION, THE CONTRACTOR SHALL PREPARE A LIST OF INCOMPLETE OR CORRECTIVE ITEMS AND COMPLETE REQUIRED SYSTEM STARTUPS, TESTING, TRAINING, AND CLEANING. REQUIRED APPROVALS FROM AUTHORITIES HAVING JURISDICTION SHALL BE OBTAINED TO PERMIT UNRESTRICTED OWNER USE OF THE FACILITIES.
FINAL COMPLETION SHALL BE ACHIEVED AFTER ALL PUNCH LIST ITEMS ARE RESOLVED AND ALL REQUIRED CLOSEOUT SUBMITTALS ARE PROVIDED, INCLUDING RECORD DOCUMENTATION, WARRANTIES, CERTIFICATIONS, INSURANCE CONFIRMATIONS, AND FINAL PHOTOGRAPHIC DOCUMENTATION. WARRANTIES SHALL BE SUBMITTED IN AN ORGANIZED ELECTRONIC FORMAT SUITABLE FOR OWNER RECORDS.
THE CONTRACTOR SHALL PERFORM FINAL CLEANING TO A STANDARD APPROPRIATE FOR IMMEDIATE OCCUPANCY, REMOVING CONSTRUCTION DEBRIS, CLEANING FINISHED SURFACES, AND RESTORING ALL AREAS DISTURBED BY CONSTRUCTION. ANY DEFECTIVE, DAMAGED, OR NON-CONFORMING WORK SHALL BE REPAIRED OR REPLACED PRIOR TO FINAL ACCEPTANCE.

FRANCES+

FRANCES ASSOCIATES LLC
15 N Sylvania Ave
Jenkintown. PA. 19046
2153856348

MG ENGINEERING
334 W. Front Street,
Media, PA 19063
mgalante@mgeassoc.com
(856) 404-0540

No.	Description	Date
0	ISSUED FOR BID	7/22/2026

CUSD
CUHS GAME ROOM
SCHEDULES AND SPECIFICATIONS

Project number	202603_
Date	2026-07-20
Drawn by	CF
Checked by	-

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WALLS

09 20 00 – INTERIOR CONSTRUCTION – GYPSUM & FRAMING
Provide non-load-bearing interior steel stud framing, ceiling suspension systems, and grid systems for gypsum board ceilings, and gypsum board assemblies.
SUBMITTALS
Product Data for all framing and gypsum products. Provide shop drawings for backer bar locations supporting wall-mounted equipment exceeding 25 lbs (interactive panels, cabinets, grab bars, AV/data panels, mechanical/electrical panels).
PERFORMANCE REQUIREMENTS
- Fire-rated assemblies: match tested ASTM E119 assemblies.
- STC assemblies: match tested ASTM E90/E413 assemblies.
- Deflection: Limit to L/240 under 5 psf load.

FRAMING SYSTEMS
- Conform to ASTM C754 and ASTM C645.
- Minimum base steel thickness: **0.0296 in.** (20 gauge).
- Galvanized coating: **G40** minimum.
- Acceptable stud/track manufacturers: **ClarkDietrich**, **MarinoWARE**.
- Slip/deflection track and firestop track where indicated; same manufacturers as studs.
- Backer bars: 33 mil (20 gauge), 5 in. wide, 1-1/4 in. legs, min. 250 lb shear at 3 in. offset.
- Bridging channel: 1-1/2 in. deep, 0.0538 in. steel with 1-1/2 in. clip angles.

SUSPENSION SYSTEMS
- Tie wire and hangers per ASTM A641.
- Carrying channels: 2-1/2 in. deep, 0.0538 in. steel.
- Gypsum board grid systems: Armstrong, Rockfon, or USG.

GYPSUM BOARD PRODUCTS
- Interior gypsum board, Type X (5/8"),
- ceiling board (1/2"),
- abuse-resistant board,

Acceptable manufacturers: CertainTeed, Georgia-Pacific, National Gypsum, USG.
Accessories & Materials
- Trim accessories per ASTM C1047 (cornerbead, LC-bead, control joints).
- Joint treatment materials per ASTM C475.
- Steel screws per ASTM C1002/C954.
- Sound attenuation blankets per ASTM C665.
- Acoustical sealant per Section 079219.

Auxiliary Materials
- Fasteners suitable for steel framing.
- Isolation strips at exterior walls: 1/8 in. closed-cell vinyl foam.

Examination Verify existing conditions, including frames, anchors, and structure, prior to installation.
Preparation Coordinate suspension system installation with overhead structure and required inserts.
INSTALLATION – GENERAL
- Install per ASTM C754 and ASTM C840.
- Provide blocking for equipment, fixtures, and accessories.
- Do not bridge building expansion joints.

WALL FRAMING INSTALLATION
- Stud spacing: **16 in. o.c.** unless noted otherwise.
- Provide isolation strip at exterior masonry or dissimilar metals.
- Install tracks at floor and overhead supports; extend studs to structure unless ceiling-height termination is indicated.
- Provide slip/deflection joints where required.
- Door openings: two jamb studs, cripple studs at heads, jamb studs extend to structure.
- Fire-rated and sound-rated partitions: install framing to maintain tested assembly continuity.

CEILING SUSPENSION INSTALLATION
- Hangers and main runners at **48 in. o.c.**
- Isolate suspension from structure to prevent load transfer.
- Do not attach hangers to ducts, pipes, conduit, or metal deck tabs.
- Provide seismic bracing where required.
- Maintain levelness within **1/8 in. per 12 ft**

GYPSUM BOARD INSTALLATION
Install per ASTM C840. Stagger joints, support edges, and avoid tapered-to-cut edge transitions. Provide control joints where required. Use corrosion-resistant screws for attachment. Provide acoustical sealant at STC partitions at perimeters, penetrations, and above ceilings. Install sound blankets before closing partitions.
APPLICATION REQUIREMENTS
Single-layer and multi-layer applications shall follow manufacturer requirements and tested assembly details. Ceiling panels installed perpendicular to framing with staggered joints.
FINISHING
Finish gypsum board to Level 4 at exposed surfaces. Level 1 in concealed spaces

PAINT

SECTION 09 91 23 – INTERIOR PAINTING
Provide interior paint systems for new and existing gypsum board (GWB) walls and new hollow metal frames Work includes surface preparation, patching, priming, painting, and blending finishes to match existing construction.
PERFORMANCE REQUIREMENTS
- Paint systems shall comply with Master Painters Institute (MPI) standards for institutional interior environments.
- Finishes shall be durable, washable, low-VOC, and suitable for high-traffic educational spaces.
- Patching and finishing shall produce a uniform appearance, with no visible texture or sheen transitions between new and existing surfaces.

SUBMITTALS
Provide product data, color samples, and manufacturer's installation instructions. Submit patching material samples demonstrating ability to match existing wall textures and frame finishes.

PAINT MATERIALS – GWB WALLS
- Provide a complete MPI-approved system:
- Primer: MPI #50 Interior Latex Primer Sealer.
- Finish Coats:Two coats MPI #54 (Gloss) Acrylic Latex as required.
- All materials shall be low-VOC and from a single manufacturer for each system.

PAINT MATERIALS – HOLLOW METAL FRAMES
- Provide MPI-approved metal substrate system:
- Primer: Factory-applied rust-inhibitive primer; field spot-prime damaged areas with MPI #76 Universal Primer.
- Finish Coats: Two coats MPI #141 (Semi-Gloss) or MPI #138 (Gloss) Acrylic Latex for metal.

PATCHING MATERIALS
- GWB Walls: Joint compound, skim-coat materials, and texture-matching compounds compatible with existing surfaces.
- Metal Frames: Metal filler/putty for minor dents or imperfections, sanded smooth to match adjacent profiles.
- Materials shall allow seamless blending with existing construction.

COLOR SELECTION
Per Schedule and plan

SURFACE PREPARATION
GWB Walls:
- Repair dents, cracks, nail pops, and irregularities.
- Feather edges of patches to blend with existing textures.
- Sand smooth and clean prior to priming.

Hollow Metal Frames:
- Clean surfaces of dust, oils, and residue.
- Sand and spot-prime exposed metal.
- Fill dents and sand smooth to match existing frame profiles.

APPLICATION
- Apply primer and finish coats per MPI standards and manufacturer instructions.
- Maintain uniform coverage and sheen.
- Ensure transitions between new and existing surfaces are visually seamless.

PATCHING TO MATCH EXISTING CONSTRUCTION
- Match existing wall textures using appropriate patching compounds.
- Ensure no visible lap marks, sheen changes, or texture differences.

CLEANING AND PROTECTION
- Remove paint splatters, masking, and debris.
- Protect newly painted surfaces until project completion.
- Touch up or repaint damaged areas prior to final acceptance

FLOOR

09 68 13 – CARPET TILE
Work includes furnishing installing carpet tiles accessories and coordination with adjacent finishes and systems
SUBMITTALS
Product Data: Manufacturer's technical data, installation instructions, maintenance requirements.
Samples: Minimum two full-size carpet tiles of each color/pattern.
Warranty Documentation. Provide manufacturer's 10-year commercial warranty, including:
BASIS OF DESIGN:
- Shaw Contract

Acceptable Manufacturers:
- Interface
- Mohawk Group

CARPET TILE MATERIALS
1. Tufted, modular carpet tile
2. 18×18, 24×24, or plank format as scheduled
3. Solution-dyed nylon or PET fiber suitable for K-12 traffic

PERFORMANCE REQUIREMENTS:
1. Face Weight: 18–28 oz/sy (typical K-12 durability range)
2. Pile Density: Minimum 5,000
3. Backing: PVC-free, fiberglass-reinforced or thermoplastic composite
4. Dimensional Stability: ≤ 0.02 in per ISO 2551
5. Static Control: < 3.5 kV per AATCC 134
6. Flammability:
7. ASTM D2859 – Pass
8. ASTM E648 – Class I
9. ASTM E662 – < 450
10. Indoor Air Quality: CRI Green Label Plus certified

ACCESSORIES
Adhesive:
- Manufacturer-recommended, low-VOC, pressure-sensitive adhesive.

Transition Strips:
- Rubber or metal, ADA-compliant.

Leveling/patching compounds:
- Cementitious, moisture-tolerant, compatible with adhesive.

EXAMINATION
Verify substrates are smooth, dry, clean, and structurally sound.
Moisture Testing:
- ASTM F2170 (RH) – must meet adhesive and tile requirements. C. Do not proceed until unsatisfactory conditions are corrected.

PREPARATION
Remove existing flooring, adhesives, and contaminants. B. Patch and level substrate to tolerance of 1/8 in in 10 ft. C. Vacuum and clean substrate prior to installation.
INSTALLATION
Install carpet tile per CRI 104 and manufacturer's instructions.
Layout:
- Refer to plan layout. Maintain consistent orientation (ashlar, or herringbone as specified).
- Fit neatly at perimeters, around casework, and at transitions.
- Roll installed tile with 75-lb roller where required.

SPECIALTIES

SECTION 12 24 13 – ROLLER SHADES
Work includes shade cloth, rollers, brackets, hem bars, manual clutch mechanisms, chains, and all accessories required for a complete installation.

BASIS OF DESIGN: MechoShade Systems – Mecho/5 Manual Blackout Roller Shade. Alternate manufacturers may be submitted for review.
PERFORMANCE REQUIREMENTS
Shades shall provide 100% blackout performance, eliminating visible light transmission except at minimal manufacturer-standard side clearances. Fabric shall be flame-retardant, antimicrobial, and suitable for high-traffic educational environments.
SUBMITTALS
Provide product data, Submit shop drawings showing shade dimensions, mounting conditions, chain locations, and coordination with window frames, mullions, and adjacent finishes.

MATERIALS
Shade cloth shall be opaque, vinyl-coated polyester or woven blackout fabric meeting NFPA 701 flame-resistance requirements. Fabric shall be uniform in color, free of pinholes, and resistant to fading from UV exposure. Roller tubes shall be extruded aluminum sized to prevent deflection across full width.
COMPONENTS
Provide manufacturer's standard brackets, clutch mechanisms, hem bars, fascia or valance covers, and optional side channels for enhanced blackout performance. Manual operation shall use a beaded chain clutch with stainless steel or nickel-plated chain, incorporating a child-safe tension device compliant with ANSI/WCMA standards for K–12 environments.

CONFIGURATION
Mount shades at the head of the window frame or above the opening to ensure full coverage. Coordinate shade width and drop with window dimensions and any existing blinds or drapery.

10 56 00 – FIXED WIRE SHELVING
Provide fixed wire shelving assemblies for classroom closets, custodial closets, and administrative storage areas Work includes shelves, brackets, wall supports, and all accessories required for a complete installation.

Basis of Design manufacturer: ClosetMaid Pro Series fixed wire shelving. Other manufacturers may be submitted for review provided they meet or exceed the performance, load capacity, finish durability, and installation requirements of the Basis of Design.

PERFORMANCE REQUIREMENTS
Shelving shall support minimum 75–100 lbs per linear foot, and provide open-wire ventilation
SUBMITTALS
Provide product data, Submit shop drawings showing shelf lengths, heights, bracket spacing, and coordination with wall blocking.

MATERIALS
Shelves shall be welded steel wire with a continuous front edge and integrated support wires. Finish shall be epoxy or polyester powder-coat.
Provide manufacturer's standard wall brackets, support braces, end caps, and continuous wall cleats designed for secure attachment to blocking.
Shelving depths and heights shall comply with ADA reach ranges for student-accessible storage. Upper shelves may be designated for staff-only use. Coordinate shelf layout with door swings, casework, and mechanical/electrical devices in closets.

BASE

09 65 16 - RUBBER WALL BASE
Work includes removal of existing wall base, surface preparation of walls and floors, installation of new wall base, adhesives, accessories, and related cutting and patching.
SUBMITTALS
A. Product Data: Manufacturer's technical data, installation instructions, maintenance information, and warranty.
B. Samples: Full-height sample of specified wall base profile and color.
BASIS OF DESIGN
A. Basis of Design Product:
Johnsonite Baseworks® Thermoset Rubber Wall Base (Type TS) by Tarkett
- Height: 6 inches
- Material: Thermoset rubber
- Profile: Cove base, with or without toe as indicated
- Compliance: ASTM F1861, Type TS
- Application: Suitable for CMU and gypsum wallboard (GWB) partitions

Approved Alternates:
Armstrong Flooring, Roppe Corporation, Nora by Interface
MATERIALS
A. Wall base shall be flexible, durable, resistant to cracking, fading, and shrinkage, and suitable for high-traffic institutional environments.
B. Adhesives shall be manufacturer-recommended and compatible with substrates and wall base materials.
PREPARATION
A. Existing Base Removal:
Remove existing resilient base, adhesive residue, and accessories in all areas scheduled to receive new wall base.
B. Surface Preparation:
Prepare wall and floor surfaces to receive new wall base in accordance with manufacturer recommendations. CMU and GWB surfaces shall be smooth, clean, dry, and free of dust, grease, paint build-up, or irregularities. Patch, skim coat, and repair surfaces as required to provide proper adhesion.
INSTALLATION
A. Install wall base in strict accordance with manufacturer's written instructions.
B. Install base plumb, straight, and tight to wall surfaces with uniform height and tight joints.
C. Provide neat, tight joints at inside and outside corners, terminations, and transitions.

CEILING

09 51 00 – ACOUSTICAL CEILING PANELS
Work includes acoustical ceiling panels installed in:
- Existing suspended ceiling grid systems.
- New suspended ceiling grid systems.

REFERENCES
ASTM C635 – Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings.
ASTM E84 – Surface Burning Characteristics of Building Materials.
ASTM E1264 – Classification for Acoustical Ceiling Products.
SUBMITTALS
Product Data: Manufacturer's data sheets for acoustical panels.
Samples: Minimum 6 x 6 inch panel samples of each type.
CEILING LAYOUTS:
- Provide reflected ceiling plans indicating panel layout, module sizes, cut panels, and coordination with lighting, diffusers, devices, and sprinklers.
- For new grid layouts, submit proposed ceiling grid layouts for review and approval prior to installation.
- Do not proceed with installation of new grid systems until layouts are reviewed.

BASIS OF DESIGN
Armstrong World Industries – Optima Lay-In Panels, or approved equal.
- Size: 2 x 2 or 2 x 4 as indicated.
- Thickness: 3/4 inch nominal.
- NRC: Minimum 0.90.
- CAC: Minimum 35.
- Light Reflectance: Minimum 0.85.
- Fire Performance: Class A per ASTM E84.

Mineral fiber acoustical ceiling panels complying with ASTM E1264, Type III, Form 2.
Finish: Factory-applied white or manufacturer's standard classroom finish.
INSTALLATION
Existing Grid Systems: (AP-1)
- Reuse existing grid where indicated, replacing damaged or non-conforming components.

New Grid Systems: (ACT-1)
- Install new suspended ceiling grid systems in accordance with ASTM C635.
- Coordinate panel layout with lighting fixtures, air devices, and ceiling-mounted equipment.
- Cut panels neatly at walls and penetrations; conceal cut edges with closures or moldings.

SIGNAGE

10 14 23.16 – SIGNAGE
Furnishing and installation of interior room-identification panel signage, and directional signage. Includes fabrication, graphics, mounting accessories, and installation.
PERFORMANCE REQUIREMENTS
- Accessibility: Signage shall comply with the 2010 ADA Standards for Accessible Design and ICC A117.1 for room identification signage, including tactile characters and Braille where required.
- Signs shall have smooth, uniform surfaces with clearly legible graphics.

SUBMITTALS
- Product data for sign materials, graphics, and mounting methods.
- Shop drawings showing sign layout, message list, and mounting locations.

ROOM-IDENTIFICATION SIGNS
- Interior panel signs with laminated or composite construction suitable for institutional use. Raised tactile characters and Grade 2 Braille where required for accessibility.
- Size: 6 in. x 8 in., unless noted otherwise on Drawings or Message Schedule.
- Colors: White graphics on gray background, unless otherwise directed by Architect.

MATERIALS AND ACCESSORIES
- Acrylic or composite sheet materials suitable for interior signage.
- UV-stable inks, paints, or films compatible with sign material.
- Adhesive mounting, two-face tape, or hook-and-loop attachment suitable for wall substrates and sign weight
- .

FINAL MESSAGE SCHEDULE TO BE PROVIDED AND CONFIRMED BY ARCHITECT DURING SUBMITTAL PHASE. IN COORDINATION WITH EDUCATIONAL PROGRAM

ROOM SCHEDULE

Room Number	Room Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Ceiling Height	Comments
1	GAME ROOM	CPT-A,B,C	B1	WP-1, 2, 3, 4	ACT-1	10' - 0"	Refer to finish details for feature paint and floor finish layout
-	LIBRARY	EXIST.	EXIST.	WP-1, 2, 3, 4	ACT-1	12' - 0"	
3	STORE	CPT-B	B1	WP-1	ACT-1	11' - 0"	
325	CLASSROOM	CPT-B	B1	WP-1	EXT		
330	OFFICE	CPT-B	B1	WP-1	EXT		
331A	LIB STORE	CPT-C	B1	WP-1	EXT		
331B	LIB. STORE	CPT-C	B1	WP-1	EXT		
331C	LIB. STORE	CPT-C	EXIST.	WP-1	ACT-1	9' - 0"	Replace Devices in new Ceiling

MESSAGE SCHEDULE

Room Number	Room Name	Message	Message Notes
1	GAME ROOM	TECHNOLOGY CLASSROOM	Final message schedule naming and numbering to be provided by archiect and owner during shop drawings phase
-	LIBRARY		
3	STORE	STORE	
325	CLASSROOM	CLASSROOM	
330	OFFICE	OFFICE 330	
331A	LIB STORE	STORE 331A	
331B	LIB. STORE	STORE 331B	Mount on Adjacent wall
331C	LIB. STORE	STORE 331C	

FINISH SCHEDULE

SPEC	TAG	MATERIAL	BASIS OF DESIGN PRODUCT	COLOR	SIZE	LOCATIONS	NOTES
	FLOOR						
09 68 13	**CT-1**	Carpet Tile	Shaw Contract - Mix per drawings	CUSTOM MIX	18"x36"	Game Room	PATTERN AS SHOWN
10 68 13	**CPT-A**	Carpet Tile	Shaw Contract - Saturate Tile - 5T109	Cyan - 074436	9"x36"	Game Room	Herringbone as indicated in plan
11 68 13	**CPT-B**	Carpet Tile	Shaw Contract - ChromatoneTile - 5T444	Cyan Charcoal - 07436	18"x36"	Game Room and Classroom 8	Herringbone as indicated in plan
12 68 13	**CPT-C**	Carpet Tile	Shaw Contract - ChromatoneTile - 5T445	Cyan Charcoal - 07437	18"x36"	Game Room	Herringbone as indicated in plan
13 68 13	**CPT-C**	Carpet Tile	Shaw Contract - ChromatoneTile - 5T446	Cyan Charcoal - 07438	18"x36"	Game Room and Storage spaces	Ashlar as indicated in plan
	BASE						
09 65 13	**B1**	Rubber Base	Johnsonite Baseworks Thermoset Rubber Type_TS (TSB 63 6 X 4 1/8 TOE Baseworks 6")	Gray - Match Existing Library	6"	Game Room	Match existing base as installed in Library space
	WALLS						
09 91 23	**WP-1**	Wall Paint	Latex, Interior, Institutional, Low Odor / No VOC	SW- 7006 Extra White	-	Classrooms. Corridors	GWB - MPI #138/139 Gloss Level 3
09 91 24	**WP-2**	Wall Paint	Latex, Interior, Institutional, Low Odor / No VOC	SW- 6797 Jay Blue	-	Classrooms. Corridors	GWB - MPI #138/139 Gloss Level 4
09 91 25	**WP-3**	Wall Paint	Latex, Interior, Institutional, Low Odor / No VOC	SW - 6887 Navel	-	Classrooms. Corridors	GWB - MPI #138/139 Gloss Level 5
09 91 26	**WP-4**	Wall Paint	Latex, Interior, Institutional, Low Odor / No VOC	SW - 6888 Stirring Orange	-	Classrooms. Corridors	GWB - MPI #138/139 Gloss Level 6
	DOORS AND FRAMES						
09 91 23	**P1**	Paint	Latex, Interior, Institutional, Low Odor / No VOC Semi-Gloss	SW-7069 Iron Ore	-	Doors and frames	
09 91 24	**P2**	Paint	Latex, Interior, Institutional, Low Odor / No VOC Semi-Gloss	SW-7654 Lattice	-	Doors and frames	
	CEILING						
09 51 00	**ACT-1**	All new Acoustical Ceiling Panels in new lay in grid system	Armstrong World Industries – Optima Lay-In Panels and suspended ceiling grid system.	Bright White		Library, Game Room, Storage	
	DOORS AND FRAMES						
08 14 16	**101, 102, 105**	Flush Wood Veneer Interior Door	VT Industries - 1-3/4" Thick, SCL or Particleboard Core, Matching Maple Hardwood Edges, ANSI A115 Hardware Preps.	Clear Maple Veneer, Natural Tone	See Schedule	Library, Game Room, Storage	See door schedule for sizes
8 14 16	**103, 104**	Wood Veneer Interior Storage Door	VT Industries - 1-3/4" Thick, SCL or Particleboard Core, Matching Maple Hardwood Edges, ANSI A115 Hardware Preps.	Clear Maple Veneer, Natural Tone	See Schedule	Storage	
08 41 13	**107, 108**	Storefront Alum Entrance Doors	Kawaneer 350 Medium Stile	Clear Anodized	See Schedule	Library	Verify Dimensions in Field coordiante hardware with school master schedule
	SIGNAGE						
10 14 23.16	**PS**	Room ID Panel Sign	Composite or Laminated Sign Tactile characters and Braille as required,	White on Gray background	6" x 8"	ALL	See Message Schedule

FRANCES+

FRANCES ASSOCIATES LLC
15 N Sylvania Ave
Jenkintown. PA. 19046
2153856348

MG ENGINEERING
334 W. Front Street,
Media, PA 19063
mgalante@mgeassoc.com
(856) 404-0540

No.	Description	Date
0	ISSUED FOR BID	7/22/2026

CUSD
CUHS GAME ROOM
SCHEDULES AND SPECIFICATIONS

Project number	202603_
Date	2026-07-20
Drawn by	CF
Checked by	-

A5

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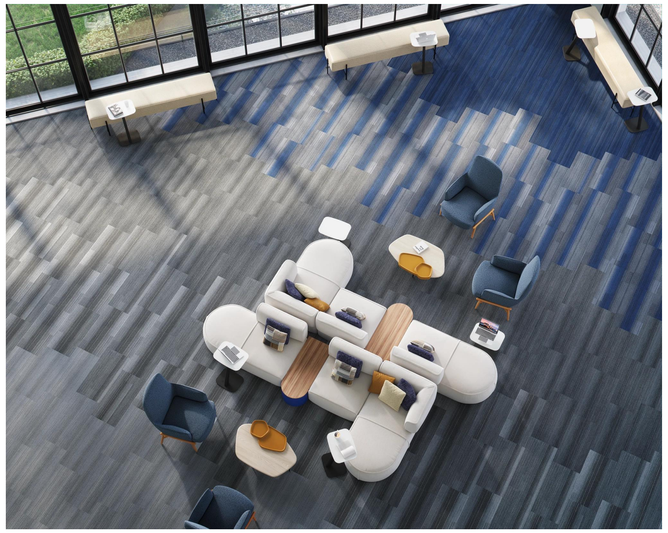

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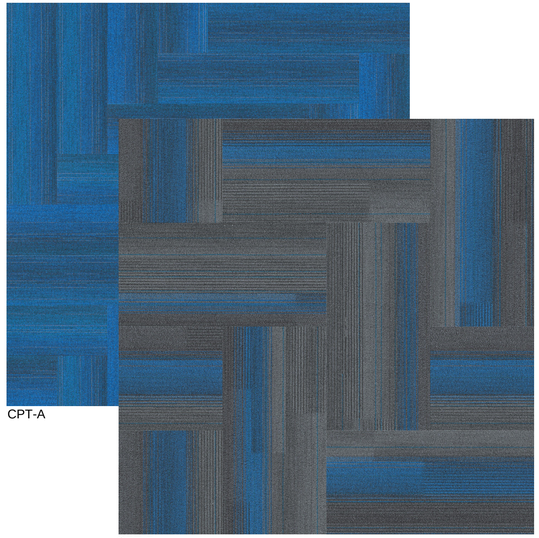
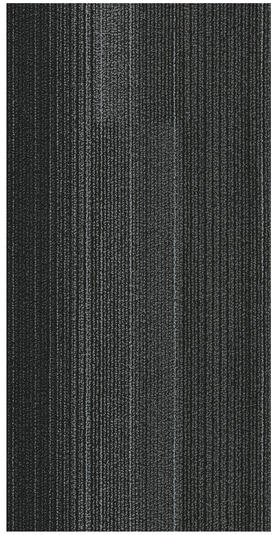


CPT-A

CPT-B



CPT-C

WALL PAINT

WP-2

WP-1

WP-3

WP-4

DOORS AND FRAMES

P2

P1

DOOR

CEILING

ACT-1

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15 N Sylvania Ave
Jenkintown. PA. 19046
2153856348

MG ENGINEERING
334 W. Front Street,
Media, PA 19063
mgalante@mgeassoc.com
(856) 404-0540

No.	Description	Date
0	ISSUED FOR BID	7/22/2026

CUSD
CUHS GAME ROOM
FINISHES

Project number	Project Number
Date	Issue Date
Drawn by	Author
Checked by	Checker

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