Additions and Renovations to

Princeton Middle School

217 Walnut Ln, Princeton, NJ 08540

Princeton Public Schools

25 Valley Rd, Princeton, NJ 08540

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Princeton Public Schools

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G001

ABBREVIATIONS

AACB	Acryllic acoustical ceiling board	FA	Fire alarm	N	North	T	Tread
A/C	Air conditioning	FB	Face brick	NIC	Not in contract	TB	Top of bank
AB	Anchor bolt	FBRK	Fire brick	NO	Number	TC	Terra cotta
ACB	Acoustical ceiling board	FD	Floor drain	NOM	Nominal	TEL	Telephone
AD	Area drain	FE	Fire extinguisher	NRC	Noise reduction coefficient	T&G	Tongue and groove
ADJ	Adjacent	FEC	Fire extinguisher cabinet	NTS	Not to scale	TG	Top of grate
ADJT	Adjustable	FES	Flared end section			TGR	Top of grade
AFF	Above finished floor	FF	Finish floor			THK	Thick
AGG	Aggregate	FFE	Finished floor elevation	OA	Overall	THR	Threshold
AL	Aluminum	FGL	Fiberglass	OC	On center	TKS	Tackstrip
ALT	Alternating	FIN	Finish	OD	Outside diameter	TLT. TOIL	Toilet
ALT. BID	Alternate bid	FIX	Fixture	OH	Overhead	TOC	Top of curb
ANC	Anchor, Anchorage	FLG	Flashing	OP	Opaque	TOM	Top of masonry
ANOD	Anodized	FLR	Floor	OPG	Opening	TOP	Top of plank
AP	Access panel	FND	Foundation	OPP	Opposite	TOS	Top of steel
APX	Approximate	FR	Frame			TPD	Toilet paper dispenser
ARCH	Architect	FRP	Fiberglass reinforced polyester			TPG	Tempered plate glass
		FP	Fire proof	PAR	Parallel	TPTN	Toilet partition
		FRT	Fire retardant	PBD	Particleboard	TV	Television
BB.	Bottom of bank	FS	Floor sink	PC	Plumbing contractor	TYP	Typical
BD	Board	FT	Feet	PCC	Precast concrete	TZ	Terrazzo
BIT	Bituminous	FTG	Footing	PERI	Perimeter		
BF	Barrier Free	FUR	Furring	PG	Plate glass		
BLDG	Building			PK	Parking	UC	Undercut
BLK	Block			PL	Plate	UL	Underwriter's laboratory
BLKG	Blocking	GA	Gauge	P LAM	Plastic laminate	UNO	Unless Noted Otherwise
BM	Bench mark	GB	Grab bar	PLAS	Plaster	UR	Urinal
BOT	Bottom	GC	General contractor	PNL	Panel		
BRG	Bearing	GCMU	Glazed concrete masonry unit	PNT	Paint (ed)	VAT	Vinyl Asbestos Tile
BRK	Brick	GD	Grade, grading	PR	Pair	VB	Vapor Barrier
BRZ	Bronze	GEP	Gypsum wall board epoxy painted	PTT	Precast Terrazzo Tile	VCT	Vinyl Composition Tile
BS	Both sides	GF	Ground face	PRTT	Precast Resilient Terrazzo Tile	VERT	Vertical
BUR	Built up roof	GL	Glass, Glazing	PSF	Pounds per square foot	VEST	Vestibule
		GLB	Glass block	PSI	Pounds per square inch	VET	Vinyl Enhanced Tile
		GP	Gypsum wall board painted	PTD	Paper towel dispenser	VIF	Verify In Field
CAB	Cabinet	GPDW	Gypsum drywall	PTN	Partition	VIN	Vinyl
CB	Catch basin	GR	Grade	PTR	Paper towel receptor	VNR	Veneer
CEM	Carpet Entry Mat	GRD.F.BLK	Ground face block	PVC	Polyvinyl chloride	VTR	Vent Thru Roof
CEM PLAS	Cement plaster	GSFT	Glazed structural facing tile	PVMT	Pavement		
CEP	CMU epoxy painted	GST	Glazed structural tile	PWD	Plywood	W	West
CFL	Counter flashing	GT	Grout			W/	With
CFMF	Cold-Formed Metal Framing	GV	Galvanized			W/O	Without
CHT	Ceiling height	GVL	Gravel	QT	Quarry tile	WB	Wood base
CI	Cast iron	GWB	Gypsum Wall Board	QTY	Quantity	WC	Water Closet
CJ	Control joint					WD	Wood
CL	Centerline / closet	HB	Hose bib			WDW	Window
CLG	Ceiling	HD	Head	R	Riser	WG	Wire Glass
CLR	Clear	HDW	Hardware	RA	Return air	WH	Wall hung
CMU	Concrete masonry unit	HM	Hollow metal	RAD	Radius	WIN	Window
COL	Column	HOR	Horizontal	RBT	Rubber tile	WM	Wire mesh
CONC	Concrete	HP	Highpoint	RCP	Reinforced concrete pipe	WP	Waterproofing / Work point
COND	Condition	HR	Hour	RD	Roof drain	WPT	Work point
CONST	Construction	HTR	Heater	RE	Reinforce (d), (ing)	WR	Water repellent
CONT	Continuous	HVC	Heating & ventilation contractor	REF	Reference (s)	WS	Waterstop
CONTR	Contractor			REFL	Reflected	WSCT	Wainscot
COOL	Cooling			REG	Register	WTW	Wall to wall
CP	CMU Painted	ID	Inside diameter	REM	Remove	WWF	Welded Wire Fabric
CPR	Copper	INL	Inlet	REQ	Required		
CPT	Carpet	INS	Insulate (d), (ion)	RES	Resilient		
CRS	Course	INT	Interior	RET	Return		
CSMU	Calcium silicate masonry unit	INV	Invert	RFG	Roofing		
CST	Cast stone			RFH	Roof hatch		
CT	Ceramic tile			RH	Right hand		
CTP	Clear tempered plate glass	JC	Janitor's closet	RM	Room		
CTR	Counter	JT	Joint	RO	Rough opening		
CWP	Clear wire plate			ROW	Right of way		
				RRT	Radial rubber tile		
		KCPL	Keene's cement plaster	RUB	Rubber, base		
D	Drain (s)	KIT	Kitchen	RV	Radon vent		
DBL	Double	KPL	Kickplate	RWC	Rain water conductor		
DF	Drinking fountain						
DIM	Dimension						
DIAM	Diameter	L	Length	S	South		
DK	Deck	LAB	Laboratory	SBS	Styrene butadiene styrene		
DMB	Dry marker board	LAM	Laminate (d)	SEC	Security		
DN	Down	LAV	Lavitory	SC	Solid core		
DR	Door	LDR	Leader	SCH	Schedule		
DS	Downspout	LF	Lineal foot/Linear feet	SCT	Structural clay tile		
DW	Dumbwaiter	LH	Left-hand	SD	Storm drain		
		LL	Livelload	SFGL	Safety glass		
		LOC	Location	SHM	Security hollow metal		
E	East	LPT	Low point	SHTH	Sheathing		
EA	Each	LTL	Lintel	SIM	Similar		
EB	Exhibition Board	LW	Lightweight	SKL	Skylight		
EC	Electrical contractor	LWC	Lightweight concrete	SL	Sleeve		
EF	Exhaust fan			SMT	Sealant		
EIFS	Exterior insulated finish system			SOG	Slab on grade		
EJ. EXP JT	Expansion joint	MAS	Masonry	SP	Soundproof		
EL	Elevation	MAT	Material	SPAC'G	Spacing		
ELEC	Electrical	MAX	Maximum	SPEC	Specification		
ELEV	Elevator	MC	Mechanical contractor	SPF. BLK	Split face block		
EMER	Emergency	MECH	Mechanical	SPK	Speaker		
ENC	Enclosure	MED	Medium	SQ	Square		
ENTR	Entrance	MET	Metal	SQ. FT.	Square foot / feet		
EOP	Edge of paving	MFR	Manufacturer	SST	Stainless steel		
EP	Epoxy paint	MH	Manhole	STD	Standard		
EPDM.	Ethylene propylene diene monomers	MIN	Minimum	STG	Seating		
EQ	Equal	MISC	Miscellaneous	STR	Structural		
EQP	Equipment	MMB	Membrane	SUS	Suspended		
ERT	Epoxy Resinous flooring	MO	Masonry opening	SWF	Security Window Film		
ETR	Existing To Remain	MOV	Movable	SYN	Synthetic		
ETR-R	Existing To Remain - Refinished	MR	Map receptor	SYS	System		
ETZ	Epoxy Terrazzo	MT	Marble threshold				
EWC	Electric water cooler	MTD	Mounted				
EXB	Expansion bolt	MTFR	Metal furring				
EXG	Existing	MULL	Mullion				
EXP	Exposed						
EXT	Exterior						

GENERAL NOTES

1. ALL CONTRACTORS SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS BEFORE SUBMITTING A BID. DISCREPANCIES OR OMISSIONS MUST BE REPORTED TO THE ARCHITECT IN WRITING (10) DAYS PRIOR TO BID OPENING. IF HE OR SHE DOES NOT, CONTRACTOR SHALL CORRECT SAME AT NO CHANGE IN CONTRACT PRICE.
2. CONTRACTOR SHALL PROVIDE ALL REQUIRED SAFETY PROTECTION DURING CONSTRUCTION.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE A SUFFICIENT WORK FORCE TO MEET COMPLETION DATES AS OUTLINED IN THE SPECIFICATIONS. NO EXCEPTIONS WILL BE ALLOWED.
4. DO NOT SCALE THE DRAWINGS.
5. DETAILS NOTED 'TYPICAL' IMPLY ALL SUCH CONDITIONS BE TREATED SIMILARLY.
6. MATERIALS LISTED ON THE FINISH SCHEDULE REFER TO THE MAJORITY OF WALLS, FLOOR AND CEILING OF ROOMS SCHEDULED, REFER TO PLANS, DETAILS, INTERIOR ELEVATION, CEILING PLANS, AND NOTES FOR THOSE MATERIALS NOT INDICATED ON THE SCHEDULE BUT ARE STILL REQUIRED IN THE ROOM.
7. UNLESS OTHERWISE NOTED AND UNLESS FACTORY FINISHED, ALL EXPOSED SURFACES OF CMU, CONCRETE, PLASTER, WOOD, GYPSUM BOARD, HOLLOW METAL, HARDWOODS, MISC. METALS ETC., ARE TO RECEIVE PRIME AND FINISH COATS OF PAINT OR CLEAR FINISH AS SPECIFIED AND IN COLORS AS SELECTED BY ARCHITECT, EXCLUDED FROM THIS IS BRICK.
8. ALL OUTSIDE CORNERS OF INTERIOR CONCRETE MASONRY UNITS (CMU) ARE TO BE BULLNOSED UNLESS NOTED OTHERWISE.
9. CALL BEFORE YOU DIG, BEFORE EXCAVATING CONTRACTOR SHALL CALL 1-800-242-1776 TO HAVE UTILITIES IDENTIFY UNDERGROUND LOCATION OF ALL SERVICE LINES.
10. ALL WORK PERTAINING TO THESE DRAWINGS SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND IN AGREEMENT WITH ALL AGENCIES HAVING JURISDICTION.
11. THE CONTRACTOR IS RESPONSIBLE TO SECURE ALL PERMITS, TO OBTAIN APPROVALS AS REQUIRED AND COORDINATE INSPECTION WITH LOCAL BUILDING INSPECTOR. ALL PERMIT AND APPLICATION FEES WILL BE PAID BY THE OWNER AND DELIVERED BY THE CONTRACTOR.
12. DRAWINGS AND SPECIFICATIONS COMPLEMENT EACH OTHER. WORK NOT SHOWN ON DRAWING BUT CALLED FOR IN THE SPECIFICATIONS IS STILL REQUIRED, AND ALL WORK NOT CALLED FOR IN SPECIFICATIONS, BUT CALLED OUT OR SHOWN IN DRAWINGS IS STILL REQUIRED.
13. THE OWNER WILL REMOVE AND RE-INSTALL ALL MOVEABLE EQUIPMENT. EACH CONTRACTOR IS RESPONSIBLE TO REMOVE, STORE AND RE-INSTALL EXISTING BUILT-IN EQUIPMENT REQUIRED TO PERFORM THEIR WORK UNLESS NOTED OTHERWISE.
14. IN ACCORDANCE WITH NJAC 5:23-6.6(I). ALL MATERIALS AND METHODS USED SHALL COMPLY WITH THE REQUIREMENTS SPECIFIED IN N.J.A.C. 5:23-6.8, MATERIALS AND METHODS.
15. WHERE THERE IS AN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACE, FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED IN ACCORDANCE WITH THE FIRE AND/OR SMOKE PROTECTED ASSEMBLY MARKING (DETAIL REFER TO G003 FOR DETAIL.

GENERAL NOTES ON DEMOLITION:

A. ALL CONTRACTORS ARE ADVISED TO VISIT THE SITE AND VERIFY ALL AREAS AND CONDITIONS PRIOR TO SUBMITTING THEIR BIDS. THE CONTRACTOR MUST NOTIFY THE ARCHITECT OF ANY DISCREPANCIES AND/OR OMISSIONS IN WRITING AT LEAST SEVEN DAYS PRIOR TO THE RECEIPT OF BIDS. FAILURE TO SO NOTIFY THE ARCHITECT INDICATES THAT ANY ADDITIONAL COSTS ASSOCIATED WITH THE DISCREPANCIES AND / OR OMISSIONS ARE INCLUDED IN THE CONTRACTOR'S BID AND THAT NO CHANGE TO THE CONTRACT AMOUNT WILL BE MADE AFTER THE RECEIPT OF BIDS OR THE AWARD OF CONTRACTS.

B. ALL PLUMBING, MECHANICAL OR ELECTRICAL DISCONNECTS SHALL BE MADE BY THE RESPECTIVE TRADE SUBCONTRACTOR. ALL EQUIPMENT, DEVICES, FIXTURES, ETC., SHALL BE REMOVED FROM THE SITE BY THE RESPECTIVE SUBCONTRACTOR. NOTE: THE EXISTING FIRE ALARM SYSTEM SHALL NOT BE DIMINISHED NOR SHALL EXISTING FIRE ALARM DEVICES BE REMOVED UNTIL NEW DEVICES ARE READY FOR SWITCHOVER.

C. UNLESS NOTED OTHERWISE ALL DEMOLITION MATERIAL SHALL BE REMOVED OFF SITE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

D. THERE ARE SOME SPECIFIC ITEMS DESIGNATED BY THE ARCHITECT FOR SALVAGE. THESE ITEMS ARE INTENDED FOR REUSE IN THE NEW CONSTRUCTION. THE CONTRACTOR MUST TAKE CARE IN THE REMOVAL AND STORAGE OF THESE ITEMS UNTIL THEY ARE NEEDED IN THE NEW CONSTRUCTION.

E. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROTECT PORTIONS OF THE EXISTING CONSTRUCTION WHICH ARE ADJACENT TO AREAS TO BE DEMOLISHED. MAKE ALL CUTS AS NEATLY AS POSSIBLE. REFER TO FLOOR PLAN DRAWINGS FOR FINISHING OF THESE AREAS.

F. IF NOT OTHERWISE NOTED OR DETAILED, ALL SURFACES LEFT ROUGH OR UNFINISHED BY DEMOLITION AND WHICH ARE EXPOSED TO VIEW, SHALL BE PATCHED TO MATCH ADJACENT SURFACES AND FINISHED TO PROVIDE A UNIFORM APPEARANCE WITH REGARD TO SIZE, SHAPE, COLOR, TEXTURE AND MATERIAL.

G. THE CONTRACTOR SHALL PROVIDE A PHYSICAL BARRIER TO CONTAIN DUST AND DIRT AROUND THE DEMOLITION AREA AND SHALL MAKE EVERY EFFORT TO KEEP THE DEMOLITION SITE AND SURROUNDING AREAS AS CLEAN AS POSSIBLE. ALL TEMPORARY PARTITIONS SHALL BE 1 HOUR RATED CONSTRUCTION AND INCLUDE A DOOR.

H. NO DEMOLITION SHALL BEGIN UNTIL PROPER PROTECTION IS IN PLACE AND APPROVED BY ARCHITECT & OWNER TO ENSURE THE SAFETY OF THE PUBLIC, THE BUILDING OCCUPANTS, CONSTRUCTION WORKERS AND TO CONTAIN DUST AND DIRT WITHIN THE AREA OF DEMOLITION.

I. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS REGARDING THE REMOVAL AND DISPOSAL OF ALL MATERIALS & EQUIPMENT.

J. THE CONTRACTOR SHALL PROVIDE PROTECTION AGAINST INCLEMENT WEATHER FOR THE EXISTING BUILDING DURING THE INTERIM PERIOD BETWEEN DEMOLITION AND THE COMPLETION OF NEW CONSTRUCTION.

K. THE CONTRACTORS SHALL TAKE INTO ACCOUNT THEIR METHODS OF CONSTRUCTION FOR THE NEW WORK AND INCLUDE IN THEIR BID THE COST OF ADDITIONAL DEMOLITION WORK NECESSARY TO FACILITATE THE CONSTRUCTION. THIS WORK INCLUDES, BUT IS NOT LIMITED TO THE PARTIAL DEMOLITION OF WALLS AT THE POINTS WHERE NEW STEEL CONNECTS TO EXISTING BEAMS OR COLUMNS. THE AREA AROUND JOINTS BETWEEN NEW AND EXISTING CONSTRUCTION IN WALLS, FLOORS AND CEILINGS, AREAS OF SIDEWALK AND PAVING, ETC., MUCH OF THIS WORK IS INDICATED IN SECTIONS AND DETAILS RELATING TO THE NEW CONSTRUCTION.

L. THE DEMOLITION WORK SHOWN ON THIS PLAN IS INTENDED TO BE A GENERAL OVERVIEW OF MAJOR DEMOLITION WORK REQUIRED. IT IS NOT A COMPLETE AND EXCLUSIVE REPRESENTATION OF ALL DEMOLITION WORK NEEDED FOR EXECUTION OF THE PROJECT. WHEN PREPARING THEIR BIDS, CONTRACTORS MUST REFER TO THE FULL SET OF CONSTRUCTION DOCUMENTS FOR VARIOUS MISCELLANEOUS ITEMS WHICH MUST BE REMOVED AND/OR RELOCATED AS PART OF THE WORK.

M. ALL PRIME CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN CUTTING AND PATCHING - SEE SPECIFICATION.

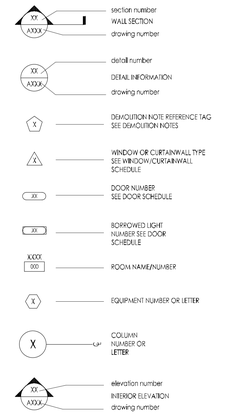
N. THE CONTRACTOR SHALL INSPECT ALL EXISTING ROOF DRAIN PIPING AND CONNECTIONS IN THE WORK AREA TO DETERMINE THAT PROPER "LEAK-PROOF" CONNECTIONS EXIST. IF ANY LEAKS EXIST (IE. DAMAGED PIPES, INSULATION, CLOGS, ETC.), THEN THE CONTRACTOR SHALL CORRECT ANY AND ALL DEFICIENCIES THAT MAY EXIST.

O. IN ROOMS WHERE EXISTING FLOOR FINISH AND BASE ARE INDICATED TO BE REMOVED. IF ASBESTOS TILE IS ENCOUNTERED, STOP REMOVAL AND NOTIFY OWNER IMMEDIATELY. ASBESTOS TILE SHALL BE REMOVED DOWN TO THE EXISTING CONCRETE SLAB AND THE SURFACE PREPARED FOR NEW FINISH BY OTHERS PRIOR TO CONTINUING WITH RENOVATION WORK. AFTER ASBESTOS ABATEMENT, THE GENERAL CONTRACTOR SHALL CLEAN SLAB TO REMOVE ADHESIVES AND INFILL WITH SELF-DRYING FINISHING UNDERLAYMENT (COMPATIBLE WITH NEW FLOOR FINISHES) OVER ENTIRE SURFACE OF EXISTING FLOOR TO MAKE FLOOR LEVEL AND FLUSH. APPLY NEW FINISH AND BASE - SEE ROOM FINISH SCHEDULE.

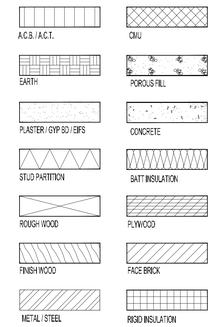
P. IF DURING THE DEMOLITION, RENOVATION AND ALTERATION WORK IN THE EXISTING BUILDING, STRUCTURAL ELEMENTS ARE UNCOVERED AND ARE FOUND TO BE UNSOUND OR OTHERWISE STRUCTURALLY DEFICIENT, THE GENERAL CONTRACTOR SHALL IMMEDIATELY ADVISE THE ARCHITECT AND THE STRUCTURAL ENGINEER OF RECORD OF THE CONDITION SO THAT APPROPRIATE MEASURES TO REINFORCE, SUPPORT OR REPLACE THE UNSOUND ELEMENTS CAN BE DESIGNED AND IMPLEMENTED.

Q. CONTRACTOR SHALL MAINTAIN ALL EXISTING FIRE-RATED CONSTRUCTION ASSEMBLIES, INCLUDING PROTECTED OPENINGS (DOORS, ETC.) DURING DEMOLITION AND ALTERATION WORK IN ORDER TO MAINTAIN EXISTING LIFE SAFETY AND EGRESS. CONTRACTOR IS RESPONSIBLE FOR ALL SEQUENCING AND SHALL NOT REMOVE ANY EXISTING FIRE-RATED ASSEMBLIES UNTIL NEW WORK IS READY FOR INSTALLATION. CONTRACTOR SHALL NOT REMOVE ANY EXISTING FIRE-RATED ASSEMBLIES BEYOND THAT WHICH CAN BE REPLACED IN A SINGLE DAY.

SYMBOL LIST



MATERIAL LEGEND



NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A01706001 | PA - RA012520T

GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI00129700

JASON J. TOMKOWITCH, AIA
NJ - 21AI00171600 | PA - RA406089

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NJ - 21AI00051001 | PA - RA414055

10/10/25
Date

Architect

FVHD Architects Engineers Fraytak Velez Hopkins Duthie P.C.

Corporate: 15 15 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453

F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
ETS

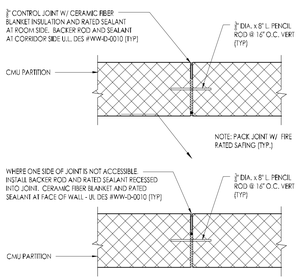
Scale
As Noted

Drawing Name
Abbreviations and General Notes

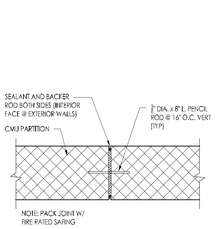
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION

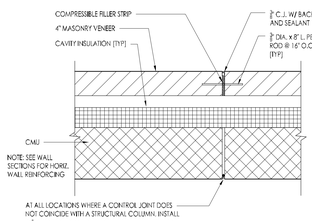
Drawing Number
G002



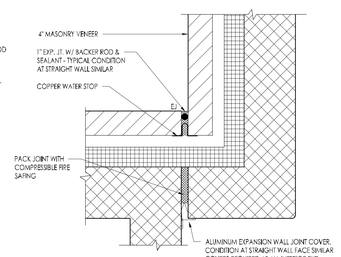
1 TYPICAL CONTROL JOINT (CJ) AT FIRE-RATED INTERIOR CMU WALL
1-1/2" = 1'-0"



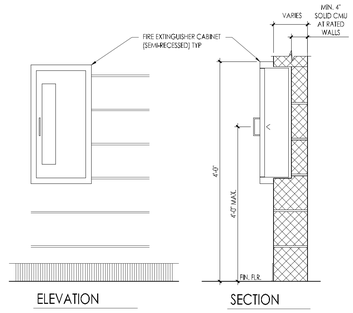
2 TYPICAL CONTROL JOINT (CJ) AT INTERIOR CMU WALL
1-1/2" = 1'-0"



3 TYPICAL CONTROL JOINT (CJ) AT EXTERIOR WALL
1-1/2" = 1'-0"

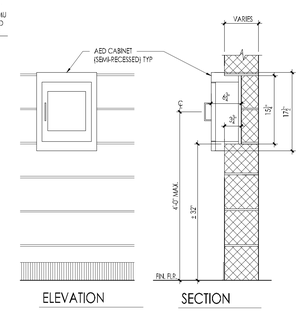


4 TYPICAL EXPANSION JOINT (EJ) AT EXTERIOR AND INTERIOR WALLS & PARTITIONS
1-1/2" = 1'-0"



NOTES:
1. TYPICAL DETAIL FOR ALL SEMI-RECESSED FIRE EXTINGUISHER CABINETS IN NON-RATED AND (1) HOUR FIRE-RATED MASONRY WALLS

5 FIRE EXTINGUISHER DETAIL TYPE FE-1
1" = 1'-0"



NOTES:
1. TYPICAL DETAIL FOR ALL SEMI-RECESSED AED CABINETS IN NON-RATED AND (1) HOUR FIRE-RATED MASONRY WALLS
2. SEE FLOOR PLANS AND ROOM LAYOUTS FOR LOCATIONS.
3. AED DEVICE IS PROVIDED BY OWNER (M.I.C.)

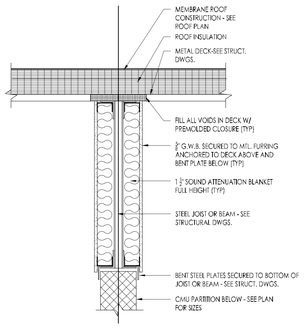
5A AED CABINET DETAIL
1" = 1'-0"

AED CABINET SIGNAGE NOTES

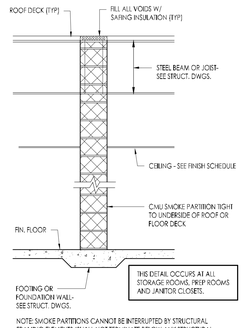
1. AED CABINET SIGNAGE BY GENERAL CONTRACTOR.
2. FOR AED CABINETS IN CORRIDORS, PROVIDE AED WALL SIGN, 14XS-AED, INSTALLED AT A RIGHT ANGLE TO WALL.
3. FOR AED CABINETS AT GYMNASIUM / MULTI-PURPOSE ROOM LOCATIONS, PROVIDE FLAT WALL MOUNTED SIGN 14S. REFER TO SPECIFIC LOCATIONS.

14S
FLAT WALL SIGN
8" x 11"

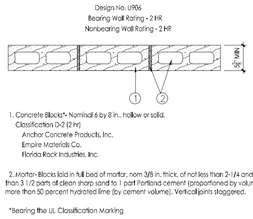
14XS-AED
RIGHT ANGLE WALL SIGN
8" x 10"



6 TYPICAL CLOSURE DETAIL AT STEEL JOIST / BEAM & CMU PARTITION CONSTRUCTION
N.T.S.



7 TYPICAL SMOKE PARTITION DETAIL
1/2" = 1'-0"



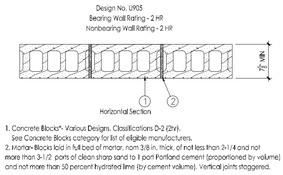
1. Concrete Blocks*- Nominal 6 by 8 in., hollow or solid.
Classification D-2 (2 yr)
Anchor Concrete Products, Inc.
Empire Materials Co.
Florida Rock Industries, Inc.

2. Mortar- Blocks laid in full bed of mortar, nom 3/8 in. thick, of not less than 2-1/4 and not more than 3 1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

*Bearing the UL Classification Marking

1-HOUR RATED CMU WALLS SHALL BE CONSTRUCTED SAME AS 2-HOUR RATED CMU WALLS (TYPICAL)

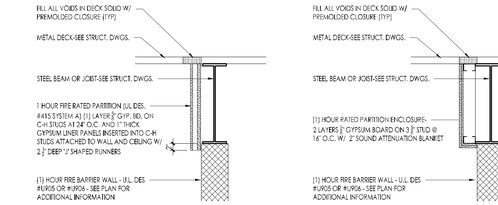
8 TYPICAL RATED CONSTRUCTION 6" CONCRETE MASONRY UNITS
N.T.S.



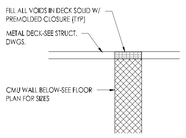
1. Concrete Blocks*- Various Designs. Classifications D-2 (2yr).
See Concrete Blocks category for list of eligible manufacturers.
2. Mortar- Blocks laid in full bed of mortar, nom 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

*Bearing the UL Classification Marking

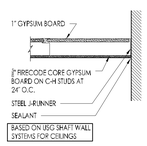
9 TYPICAL RATED CONSTRUCTION 8" CONCRETE MASONRY UNITS
N.T.S.



10 TYPICAL CLOSURE DETAIL AT STEEL BEAM & 1-HR FIRE BARRIER ASSEMBLY
3/4" = 1'-0"



11 TYPICAL CLOSURE DETAIL AT METAL DECK & 1-HR FIRE BARRIER ASSEMBLY
3/4" = 1'-0"



12 1-HR RATED CEILING SYSTEM
3/4" = 1'-0"

FIRE-RATED PENETRATION CHART

CONCRETE OR BLOCK WALLS

TYPE OF PENETRATE	FIRE RATING	UL CLASSIFIED SYSTEM
CIRCULAR BLANK OPENINGS	1	CAJ 0055, CAJ 0070
	2	CAJ 0055, CAJ 0070
	3	CAJ 0055
SINGLE METAL PIPES OR CONDUIT	1	CAJ 1226, WJ 1021
	2	CAJ 1226, WJ 1021
	3	CAJ 1226, WJ 1041, WJ 1042
SINGLE NON-METALLIC PIPE OR CONDUIT (I.E., PVC, CPVC, ABS, FRP, ENT)	1	CAJ 2109, CAJ 2098, CAJ 2167
	2	CAJ 2109, CAJ 2098, CAJ 2167
	3	CAJ 2109, CAJ 2098
SINGLE OR BUNDLED CABLES	1	WJ 3036, CAJ 3095, CAJ 3096
	2	WJ 3036, CAJ 3095, CAJ 3096
	3	CAJ 3095, CAJ 3096
CABLE TRAY	1	WJ 4016, CAJ 4034, CAJ 4035
	2	WJ 4016, CAJ 4034, CAJ 4035
	3	CAJ 4034, CAJ 4035
SINGLE INSULATED PIPES	1	CAJ 5090, CAJ 5091, CAJ 5061
	2	CAJ 5090, CAJ 5091, CAJ 5061
	3	CAJ 5090, CAJ 5061
ELECTRICAL BUSWAY	1	CAJ 6006, CAJ 6017
	2	CAJ 6006, CAJ 6017
	3	CAJ 6006, CAJ 6017
NON-INSULATED MECHANICAL DUCTWORK WITHOUT DAMPERS	1	CAJ 7046, CAJ 7051, WJ 7021, WJ 7022
	2	CAJ 7046, CAJ 7051, WJ 7021, WJ 7022
	3	CAJ 7046, CAJ 7051
MIXED PENETRANTS	1	CAJ 8041, CAJ 8056, WJ 8007
	2	CAJ 8041, CAJ 8056, WJ 8007
	3	CAJ 8041, CAJ 8056, WJ 8007

CONCRETE FLOORS

TYPE OF PENETRANT	FIRE RATING	UL CLASSIFIED SYSTEM
CIRCULAR BLANK OPENINGS	1	FA 0006, CAJ 0055, CAJ 0070
	2	FA 0006, CAJ 0055, CAJ 0070
	3	FA 0006, CAJ 0055
SINGLE METAL PIPES OR CONDUIT	1	CAJ 1226, FA 1017
	2	CAJ 1226, FA 1017
	3	CAJ 1226, FA 1017
SINGLE NON-METALLIC PIPE OR CONDUIT (I.E., PVC, CPVC, ABS, FRP, ENT)	1	FA 2053, FA 2025, CAJ 2109, CAJ 2098, CAJ 2141, CAJ 2167, CBJ 2021
	2	FA 2053, FA 2025, CAJ 2109, CAJ 2098, CAJ 2141, CAJ 2167, CBJ 2021
	3	FA 2054, CAJ 2109, CAJ 2098
SINGLE OR BUNDLED CABLES	1	FA 3007, CAJ 3095, CAJ 3096
	2	FA 3007, CAJ 3095, CAJ 3096
	3	FA 3007, CAJ 3095, CAJ 3096
CABLE TRAY	1	CAJ 4034, CAJ 4035
	2	CAJ 4034, CAJ 4035
	3	CAJ 4034, CAJ 4035
SINGLE INSULATED PIPES	1	FA 5015, FA 5016, CAJ 5090, CAJ 5091, CAJ 5098
	2	FA 5015, FA 5016, CAJ 5090, CAJ 5091, CAJ 5098
	3	FA 5016, CAJ 5090
ELECTRICAL BUSWAY	1	CAJ 6006, CAJ 6017
	2	CAJ 6006, CAJ 6017
	3	CAJ 6006, CAJ 6017
NON-INSULATED MECHANICAL DUCTWORK WITHOUT DAMPERS	1	CAJ 7046, CAJ 7051
	2	CAJ 7046, CAJ 7051
	3	CAJ 7046, CAJ 7051
MIXED PENETRANTS	1	CAJ 8041, CAJ 8056
	2	CAJ 8041, CAJ 8056
	3	CAJ 8041, CAJ 8056

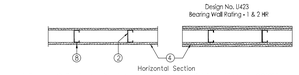
GYPSUM WALLBOARD ASSEMBLIES

TYPE OF PENETRANT	FIRE RATING	UL CLASSIFIED SYSTEM
METAL PIPES OR CONDUIT	1	WL 1054, WL 1058, WL 8164
	2	WL 1054, WL 1058, WL 8164
NON-METALLIC PIPES OR CONDUIT	1	WL 2078, WL 2075, WL 2128
	2	WL 2078, WL 2075, WL 2128
SINGLE OR BUNDLED CABLES	1	WL 3065, WL 3111, WL 3112
	2	WL 3065, WL 3111, WL 3112
CABLE TRAY	1	WL 4011, WL 4019
	2	WL 4011, WL 4019
INSULATED PIPES	1	WL 5028, WL 5029, WL 5047
	2	WL 5028, WL 5029, WL 5047
NON-INSULATED MECHANICAL DUCTWORK WITHOUT DAMPERS	1	WL 7017, WL 7040, WL 7042
	2	WL 7040, WL 7042
MIXED PENETRANTS	1	WL 1095, WL 8013
	2	WL 1095, WL 8013

13 U.L. ASSEMBLIES AT CONCRETE OR BLOCK WALL PENETRATIONS
N.T.S.

14 U.L. ASSEMBLIES AT CONCRETE FLOOR PENETRATIONS
N.T.S.

15 U.L. ASSEMBLIES AT GYPSUM WALL BOARD PENETRATIONS
N.T.S.



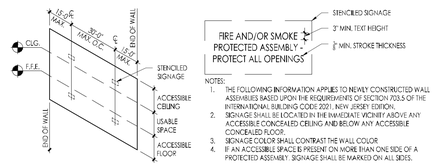
1. Floor and Ceiling Runners (Not Shown) - Channel-shaped, fabricated from min. 0.0329 in., bare-metal thickness (No. 20 MSG) corrosion-protected steel, that provides a sound structural connection between steel studs and adjacent assemblies such as floor, ceiling and/or other walls. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in OC.
2. Steel Studs - Min. 0.0329 in. bare metal thickness (No. 20 MSG) corrosion-protected studs, min 3-1/2 in. wide, cold formed, designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute (AISI). All design details enhancing the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by fire steel stud designer and/or producer, and shall meet the requirements of all applicable local code agencies. The max. studs spacing shall not exceed 24 in. OC. Studs attached to floor and ceiling runners with 1/2 in long Type S-12 steel screws on both sides of the stud or by welded or bolted connections designed in accordance with the AISI specifications.
3. Lateral Support Members (Not Shown) - Where required for lateral support of studs, support shall be provided by means of steel straps, channels, or other similar means as specified in the design of a particular steel stud wall system.
4. Wallboard, Gypsum - Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Verticaljoints in adjacent layers (multi-layer systems) staggered one stud cavity. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered when load is reduced to 90 percent of max stud capacity. When load is at 100 percent, horizontal edge joints and horizontal butt joints on opposite sides of studs staggered a min of 12 in. Horizontal edge joints and horizontal butt joints in adjacent layers (multi-layer systems) staggered a min of 12 in. The thickness and number of layers and percent of design load for the 1 hour and 2 hour ratings are as follows:

Rating	No of Layers & Thickness of Panels	Percent of Design Load
1 Hour	1 Layer, 5/8" thick	100
2 Hours	2 Layers, 5/8" thick	80

5. Fasteners (Not Shown) - Type S-12 steel screws used to attach panels to runners and studs or furring channels. Single layer systems: 1 in long, spaced 8 in OC when panels are applied horizontally or 12 in OC when panels are applied vertically. Double layer systems: First layer- 1 in long spaced 16 in OC. Second layer- 1-5/8 in long spaced 16 in OC with screws offset 8 in from first layer.
6. Batts and Blankets (Optional, Not Shown) - Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. (See Floor Plan, Sections or Details for Thickness)
7. Furring Channels (Optional on One or Both Sides, Not Shown) - Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in OC. Flange portion attached to each intersecting stud with 1/2 in long Type S-12 panhead steel screws.
8. Joint Tape and Compound - Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in wide, embedded in first layer of compound over all joints of outer layers.
9. Caulking and Sealants (Not Shown) - A bead of acoustical sealant applied around the partition perimeter for sound control.

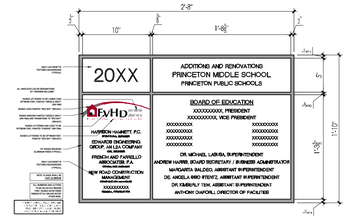
IN ALL LOCATIONS OF CORRIDOR AND PASSAGE WALLS, THE GYPSUM WALL BOARD SHALL BE INSTALLED ON THE CORRIDOR OR PASSAGE SIDE OF THE PARTITION.

16 TYPICAL RATED CONSTRUCTION - GYPSUM BOARD & METAL STUDS - UL DESIGN #U423
N.T.S.

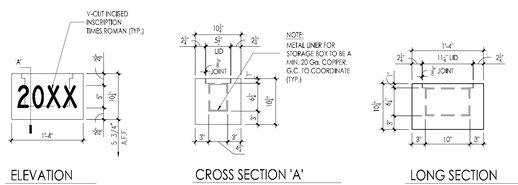


NOTES:
1. THE FOLLOWING INFORMATION APPLIES TO NEWLY CONSTRUCTED WALL ASSEMBLIES BASED UPON THE REQUIREMENTS OF SECTION 703.5 OF THE INTERNATIONAL BUILDING CODE 2021, NEW JERSEY EDITION.
2. SIGNAGE SHALL BE LOCATED IN THE IMMEDIATE VICINITY ABOVE ANY ACCESSIBLE CONCEALED CEILING AND BELOW ANY ACCESSIBLE CONCEALED FLOOR.
3. SIGNAGE COLOR SHALL CONTRAST THE WALL COLOR.
4. IF AN ACCESSIBLE SPACE IS PRESENT ON MORE THAN ONE SIDE OF A PROTECTED ASSEMBLY, SIGNAGE SHALL BE MARKED ON ALL SIDES.

17 FIRE AND/OR SMOKE PROTECTED ASSEMBLY MARKING DETAIL
Scale: N.T.S.



18 COMMEMORATIVE PLAQUE DETAIL
Scale: 1-1/2" = 1'-0"



ELEVATION | CROSS SECTION 'A' | LONG SECTION

19 DATESTONE DETAIL
Scale: 1" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
N.J. - 21AI07760001 | PA - RA012520Y
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N.J. - 21AI04129700
JASON J. ZIELINSKI, AIA
N.J. - 21AI07170000 | PA - RA406989
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
N.J. - 21AI07170000 | PA - RA410455
William D. Hopkins 10/10/25
Date
Architect

FVHD Fabiano Viscovich Hopkins Duthie P.C.
Fraytak Velez Hopkins Duthie P.C.
Corporate: 15 1/5 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
ETS / NEH

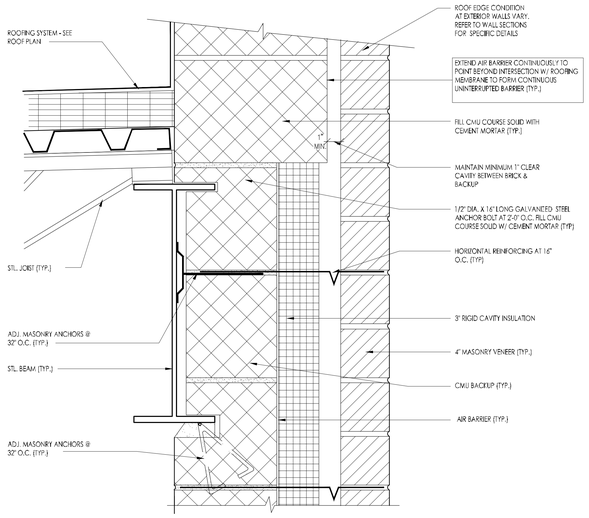
Scale
As Noted

Drawing Name
Typical Details

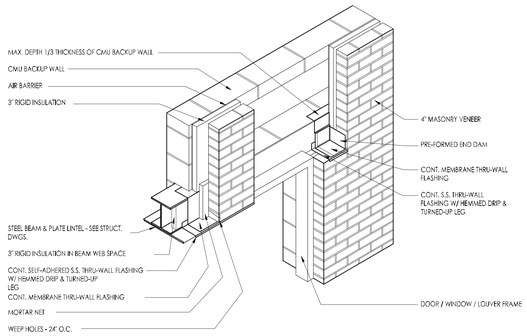
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

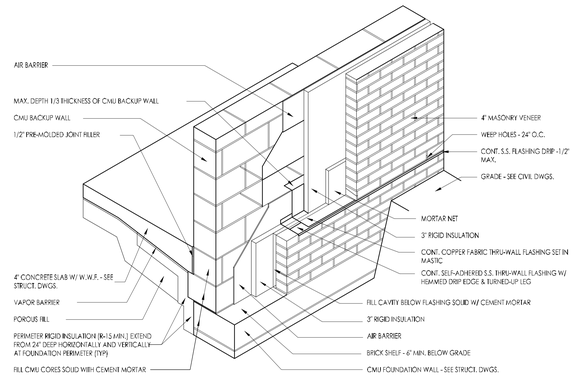
Drawing Number
G003



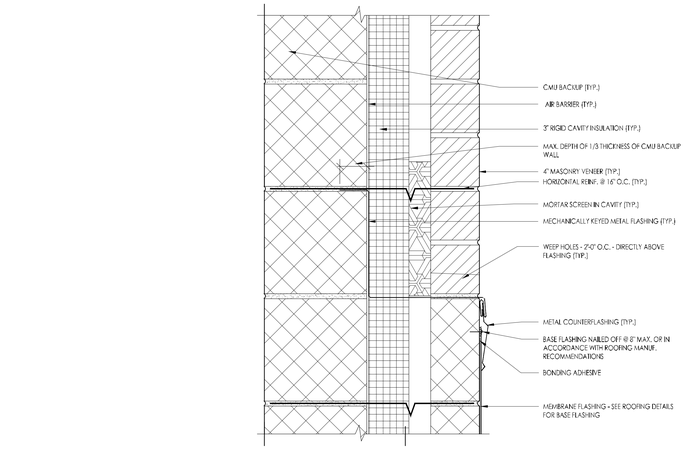
1 TYPICAL TOP OF CAVITYWALL DETAIL
3"=1'-0"



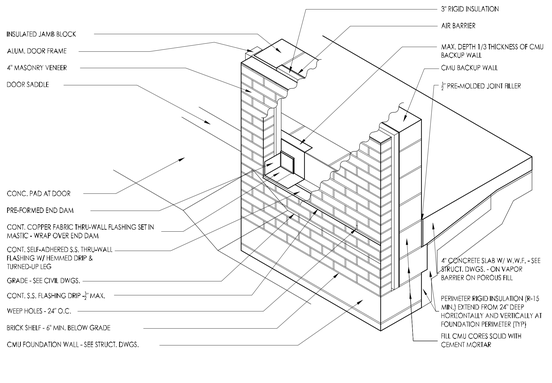
4 TYPICAL THRU-WALL FLASHING DETAIL AT STEEL BEAM & LINTEL
3/4"=1'-0"



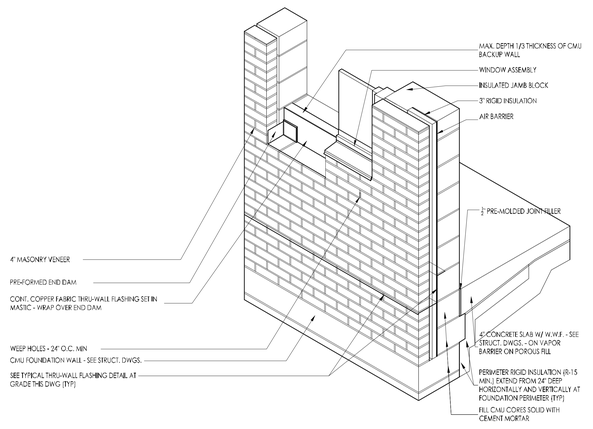
5 TYPICAL THRU-WALL FLASHING AT GRADE
3/4"=1'-0"



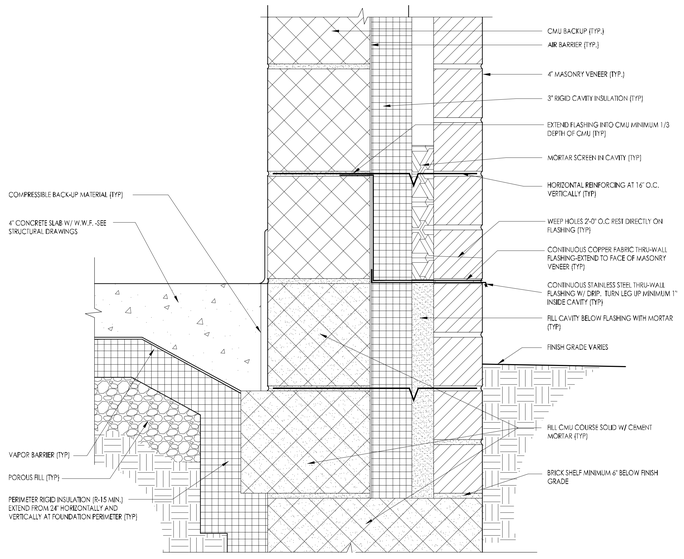
2 TYPICAL THRU-WALL & CAP FLASHING DETAIL AT RISING WALL
3"=1'-0"



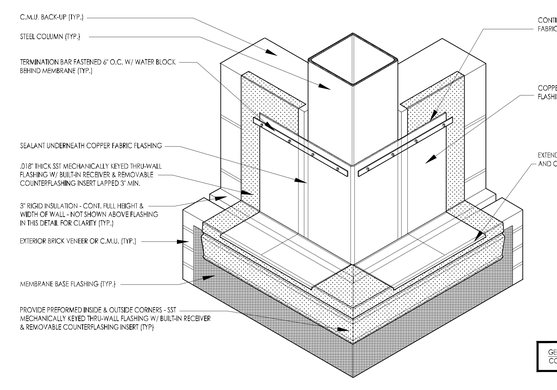
6 TYPICAL WALL BASE FLASHING END DAM DETAIL AT EXTERIOR DOOR OPENING
3/4"=1'-0"



7 TYPICAL WALL BASE FLASHING END DAM DETAIL AT WINDOW
3/4"=1'-0"

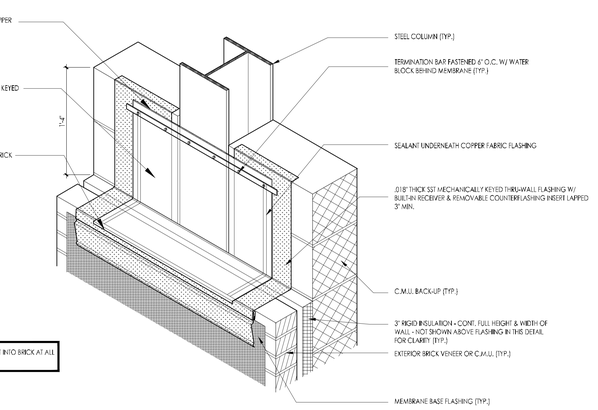


3 TYPICAL THRU-WALL FLASHING DETAIL AT GRADE
3"=1'-0"



8 ISOMETRIC CUT AWAY AT CORNER COLUMN (RISING WALL CONDITION)
1-1/2"=1'-0"

GENERAL NOTE: (2) WEEP HOLES TO BE BUILT INTO BRICK AT ALL COLUMN OCCURANCES. (TYP.)



9 ISOMETRIC CUT AWAY AT COLUMN (RISING WALL CONDITION)
1-1/2"=1'-0"

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GEORGE R. DUTHIE JR., AIA, PP
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10/10/25
Date

Architect

FVHD
Fraytak Velez Hopkins Duthie P.C.

Corporate: 15 I 5 Lower Ferry Road
Trenton - New Jersey 08628

Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453

F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
ETS

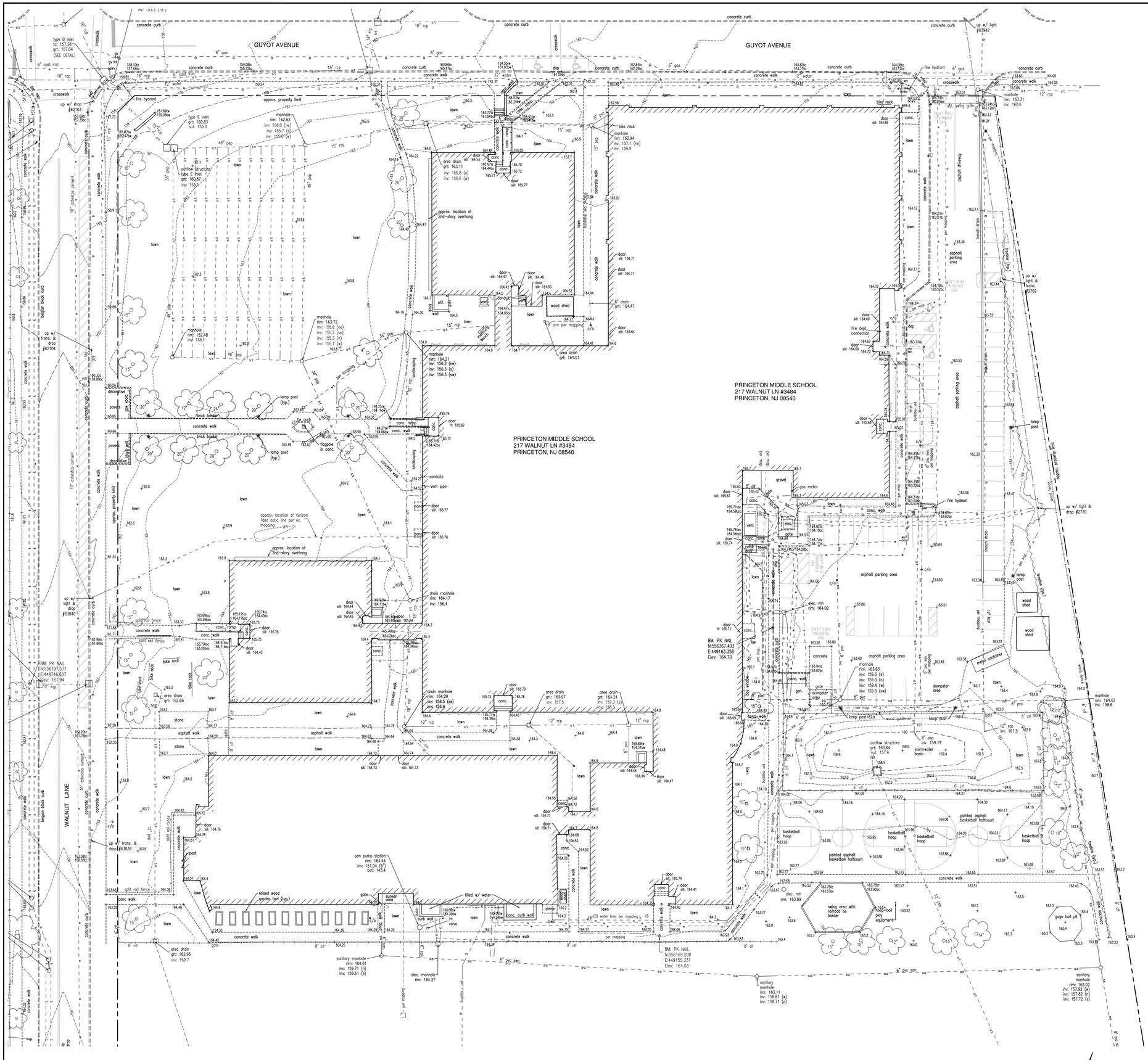
Scale
AS NOTED

Drawing Name
Typical Details

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION

Drawing Number
G004



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WILLIAM D. HOPKINS III, AIA, LEED AP
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FVHDPC.COM
FVHD Partners
Fraytak Veisz Hopkins Duthie PC
1515 Lower Ferry Road
Trenton - New Jersey 08628
Corporate:
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453

William D. Hopkins III 10/10/25
Architect Date

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Project Location
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Scale

Drawing Name
EXISTING CONDITIONS

Revisions

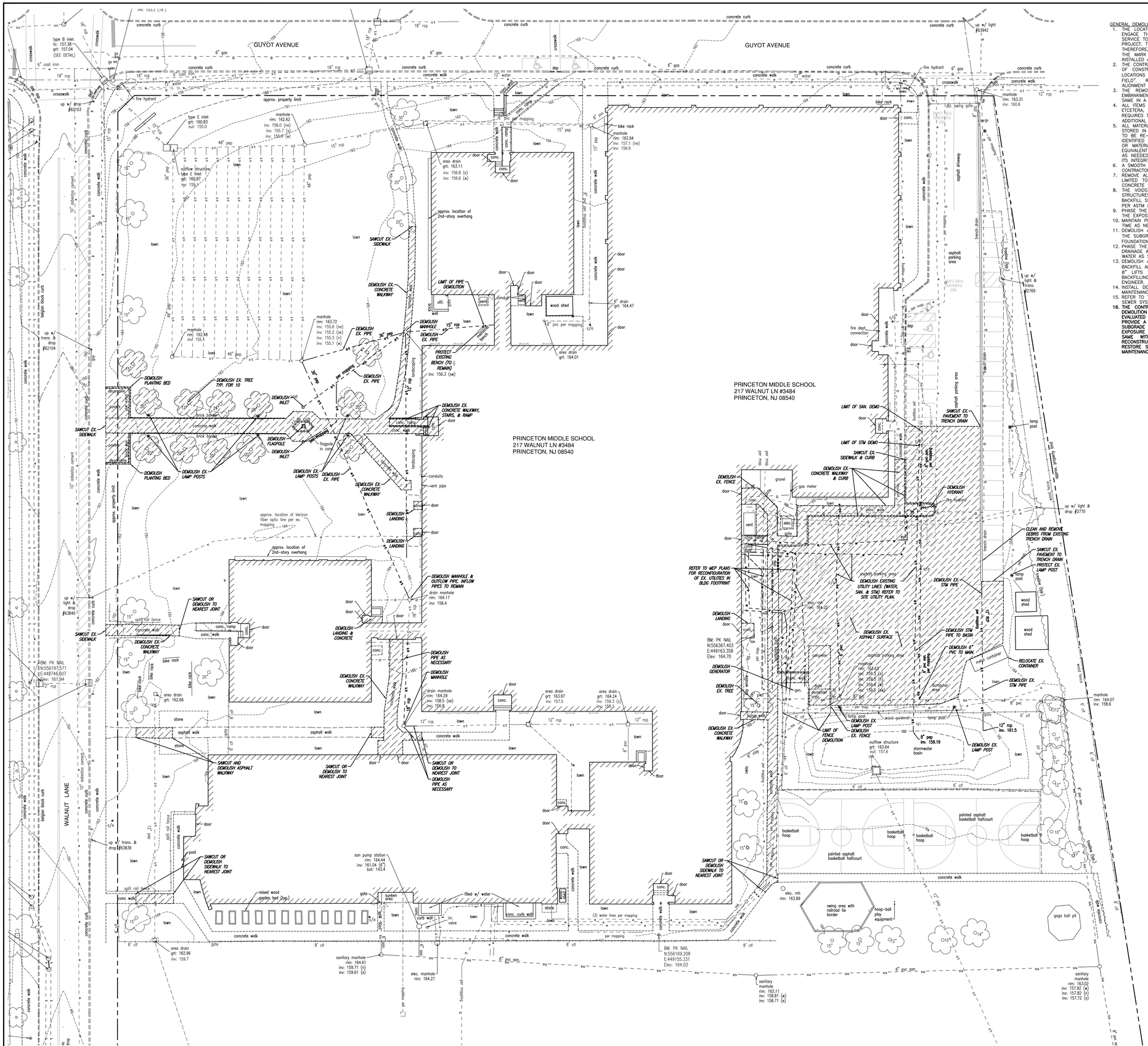
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	ISSUED FOR BID

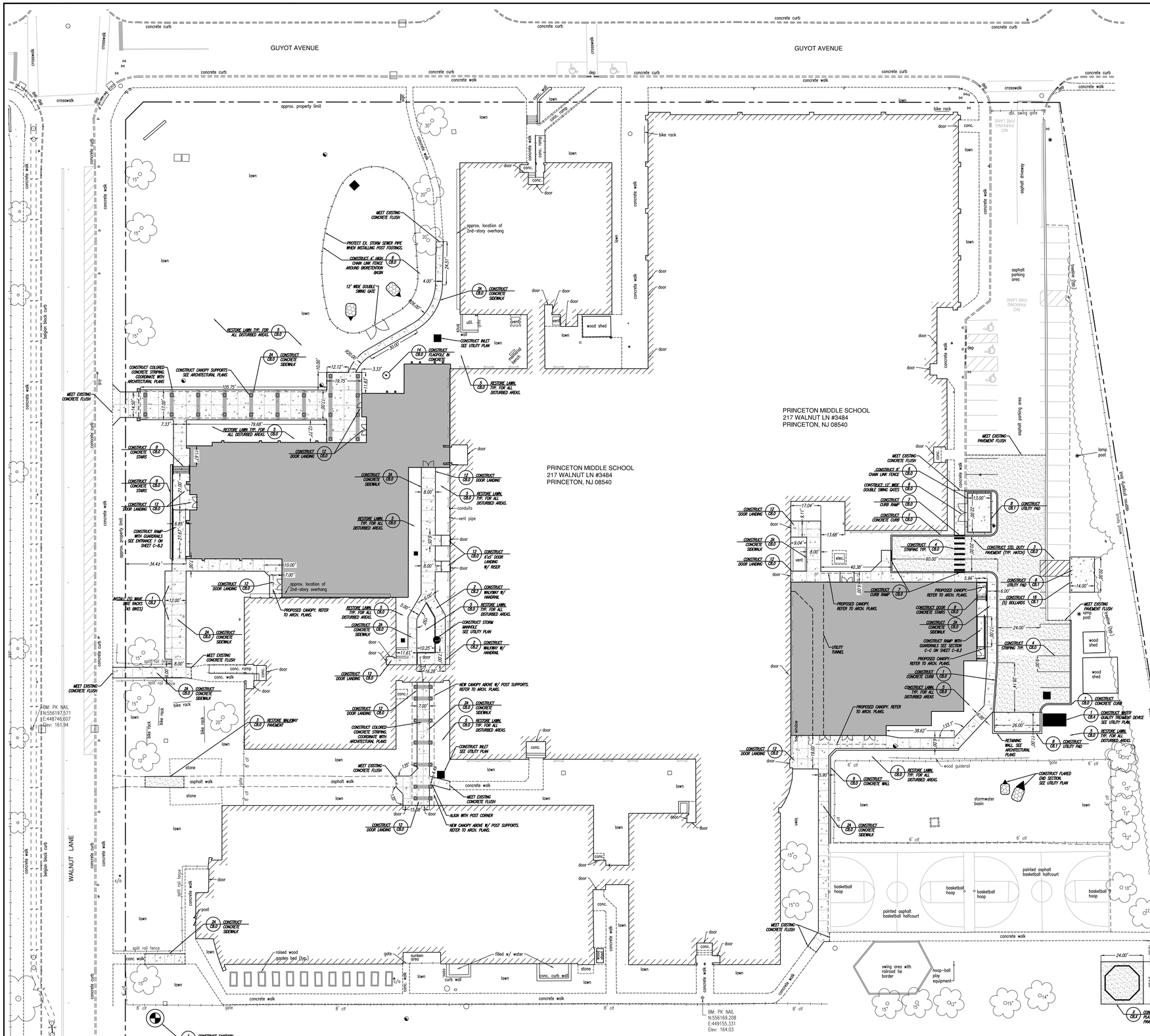
Drawing Number
C-1.0

Civil Engineering Consultant: EEG 1631D

EDWARDS ENGINEERING GROUP
AN L2A COMPANY

Beth E. Kenderdine 12.15.25
BETH E. KENDERDINE, P.E. Date
Professional Engineer NJ. Lic. No. GE45532


GUYOT AVENUE
GUYOT AVENUE
WALNUT LANE
PRINCETON MIDDLE SCHOOL
217 WALNUT LN #3484
PRINCETON, NJ 08540
PRINCETON MIDDLE SCHOOL
PRINCETON, NJ 08540
BM: PK NAIL
N:556197.571
E:448746.607
Elev: 161.94
BM: PK NAIL
N:556367.403
E:449163.358
Elev: 164.70
BM: PK NAIL
N:556169.208
E:449155.331
Elev: 164.03
DEMOLISH EX. CONCRETE WALKWAY
DEMOLISH EX. TREE TYP. FOR 10
DEMOLISH PLANTING BED
DEMOLISH EX. LAMP POSTS
DEMOLISH FLAGPOLE
DEMOLISH INLET
DEMOLISH EX. PIPE
DEMOLISH LANDING
DEMOLISH LANDING & CONCRETE
DEMOLISH MANHOLE & OUTLOW PIPE. INFLOW PIPES TO REMAIN
DEMOLISH PIPE AS NECESSARY
DEMOLISH MANHOLE
SAWCUT EX. SIDEWALK
SAWCUT OR DEMOLISH TO NEAREST JOINT
SAWCUT AND DEMOLISH ASPHALT WALKWAY
SAWCUT OR DEMOLISH SIDEWALK TO NEAREST JOINT
LIMIT OF PIPE DEMOLITION
PROTECT EXISTING BENCH (TO REMAIN)
DEMOLISH EX. CONCRETE WALKWAY, STAIRS, & RAMP
DEMOLISH EX. CONCRETE WALKWAY
DEMOLISH EX. LAMP POSTS
DEMOLISH EX. FENCE
DEMOLISH GENERATOR
DEMOLISH EX. TREE
DEMOLISH EX. CONCRETE WALKWAY
LIMIT OF FENCE DEMOLITION
LIMIT OF SAN. DEMO
LIMIT OF STM DEMO
SAWCUT EX. SIDEWALK & CURB
SAWCUT EX. PAVEMENT TO TRENCH DRAIN
DEMOLISH EX. CONCRETE WALKWAY & CURB
DEMOLISH HYDRANT
DEMOLISH EX. ASPHALT SURFACE
DEMOLISH EXISTING UTILITY LINES (WATER, SAN. & STM) REFER TO SITE UTILITY PLAN.
REFER TO MEP PLANS FOR RECONFIGURATION OF EX. UTILITIES IN BLDG FOOTPRINT
CLEAN AND REMOVE DEBRIS FROM EXISTING TRENCH DRAIN
SAWCUT EX. PAVEMENT TO TRENCH DRAIN
PROTECT EX. LAMP POST
DEMOLISH EX. STM PIPE
DEMOLISH STM PIPE TO BASIN
DEMOLISH 6" PVC TO MAN.
RELOCATE EX. CONTAINER
DEMOLISH EX. STM PIPE
DEMOLISH EX. LAMP POST
DEMOLISH EX. FENCE
SAWCUT OR DEMOLISH SIDEWALK TO NEAREST JOINT
basketball hoop
painted asphalt basketball halfcourt
painted asphalt basketball halfcourt
swing area with railroad tie border
hoop-ball play equipment
gaga ball pit
concrete walk
asphalt driveway
asphalt parking area
bike rack
wood shed
gazebo
fire dept. connection
gas meter
dumpster area
generator
gate
sunken area
raised wood garden bed (typ.)
filled w/ water
curb wall
irr. valve
(3) water lines per mapping
san pump station
rim: 164.44
inv: 161.04 (d)
bot: 143.4
sanitary manhole
rim: 164.61
inv: 159.71 (n)
inv: 159.61 (e)
elec. manhole
rim: 164.27
sanitary manhole
rim: 163.11
inv: 158.81 (e)
inv: 158.71 (e)
sanitary manhole
rim: 163.02
inv: 157.92 (e)
inv: 157.82 (n)
inv: 157.72 (s)
manhole
rim: 164.07
inv: 158.6
elec. mh
rim: 163.89
manhole
rim: 162.62
inv: 156.0 (ne)
inv: 155.7 (s)
inv: 156.6 (w)
manhole
rim: 163.72
inv: 155.6 (ne)
inv: 155.2 (se)
inv: 155.3 (s)
inv: 155.1 (w)
manhole
rim: 162.48
inv: 155.1
manhole
rim: 163.31
inv: 160.6
manhole
rim: 162.94
inv: 157.1 (ne)
inv: 156.9
manhole
rim: 163.63
inv: 159.5 (s)
inv: 159.4 (e)
inv: 159.8 (w)
drain manhole
rim: 164.29
inv: 158.5 (se)
inv: 156.9
drain manhole
rim: 164.17
inv: 156.4
area drain
grt: 163.11
inv: 156.8 (e)
inv: 156.6 (w)
area drain
grt: 164.01
area drain
grt: 164.47
area drain
grt: 163.97
inv: 157.5
area drain
grt: 164.24
inv: 159.3 (s)
inv: 159.1
area drain
grt: 162.66
area drain
grt: 162.96
inv: 159.7
outlet structure
grt: 160.83
out: 155.0
outlet structure
grt: 160.87
inv: 155.1
outlet structure
grt: 163.64
out: 157.6
inv:
stormwater basin
8" pvc per mapping
8" pvc
8" pvc per mapping
8" pvc per mapping
8" pvc per mapping


GUYOT AVENUE
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WALNUT LANE
PRINCETON MIDDLE SCHOOL
217 WALNUT LN #3484
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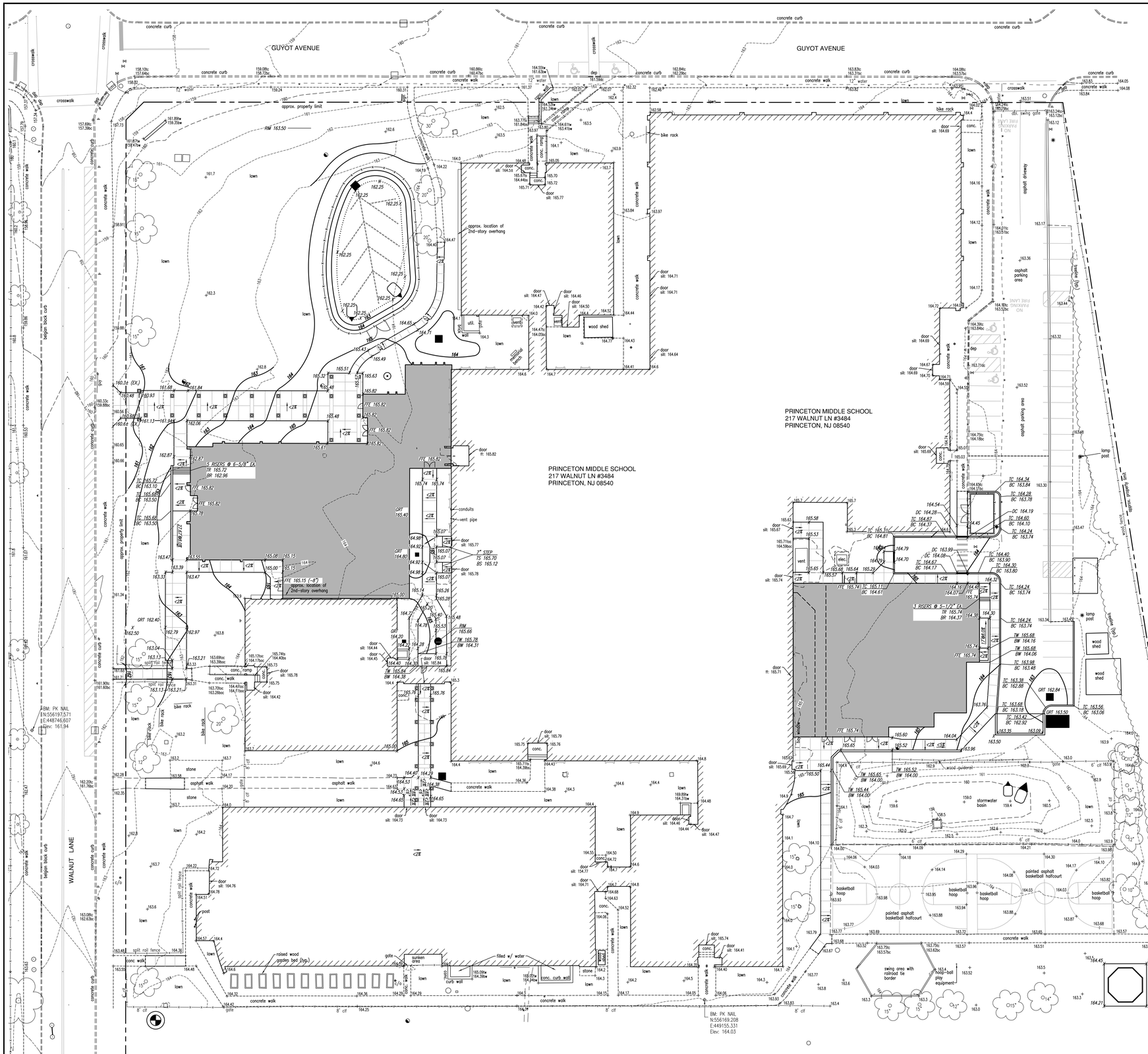
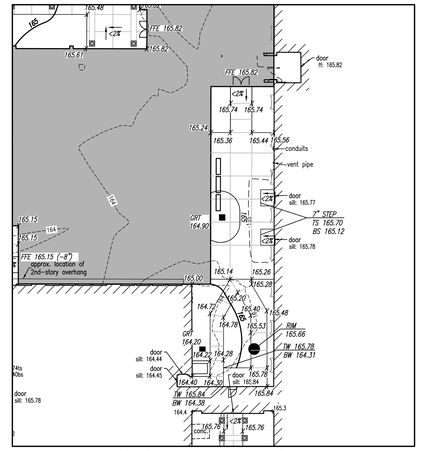
PRINCETON MIDDLE SCHOOL
217 WALNUT LN #3484
PRINCETON, NJ 08540
approx. property limit
MEET EXISTING CONCRETE FLUSH
PROTECT EX. STORM SEWER PIPE WHEN INSTALLING POST FOOTINGS.
CONSTRUCT 4' HIGH CHAIN LINK FENCE AROUND BIORETENTION BASIN
12' WIDE DOUBLE SWING GATE
approx. location of 2nd-story overhang
CONSTRUCT CONCRETE SIDEWALK
CONSTRUCT INLET SEE UTILITY PLAN
CONSTRUCT FLAGPOLE IN CONCRETE
RESTORE LAWN TYP. FOR ALL DISTURBED AREAS.
CONSTRUCT COLORED CONCRETE STRIPING COORDINATE WITH ARCHITECTURAL PLANS.
CONSTRUCT CANOPY SUPPORTS SEE ARCHITECTURAL PLANS
CONSTRUCT CONCRETE STAIRS
CONSTRUCT DOOR LANDING
CONSTRUCT RAMP WITH GUARDRAILS SEE ENTRANCE 1 ON SHEET C-8.2
INSTALL (5) NJDE BIKE RACKS (10 BIKES)
CONSTRUCT 6'x5' DOOR LANDING W/ RISER
CONSTRUCT WALKWAY W/ HANDRAIL
CONSTRUCT STORM MANHOLE SEE UTILITY PLAN
NEW CANOPY ABOVE W/ POST SUPPORTS. REFER TO ARCH. PLANS.
RESTORE WALKWAY PAVEMENT
CONSTRUCT SANITARY PUMP STATION
BM: PK NAIL
N:556197.571
E:448746.607
Elev: 161.94
BM: PK NAIL
N:556169.208
E:449155.331
Elev: 164.03
bike rack
wood shed
asphalt walk
stone
raised wood canopy bed (typ.)
sunken area
filled w/ water
curb wall
split rail fence
conc. ramp
conc. walk
gate
lawn
asphalt driveway
asphalt parking area
pointed asphalt basketball halfcourt
basketball hoop
swing area with railroad tie border
hoop-ball play equipment
CONSTRUCT UTILITY PAD
CONSTRUCT (5) BOLLARDS
CONSTRUCT STRIPING TYP.
CONSTRUCT CONCRETE CURB
CONSTRUCT CONCRETE WALL
RESTORE LAWN TYP. FOR ALL DISTURBED AREAS.
CONSTRUCT FLARED END SECTION, SEE UTILITY PLAN
stormwater basin
wood guiderail
RETAINING WALL SEE ARCHITECTURAL PLANS
CONSTRUCT WATER SECURITY DEVICE SEE UTILITY PLAN
CONSTRUCT PLAYGROUND PAVEMENT
MEET EXISTING PAVEMENT FLUSH
lamp post
UTILITY TUNNEL
PROPOSED CANOPY, REFER TO ARCH. PLANS.
CONSTRUCT DOOR CONCRETE STAIRS
CONSTRUCT RAMP WITH GUARDRAILS SECTION C-C ON SHEET C-8.2
CONSTRUCT CONCRETE CURB
CONSTRUCT LAWN TYP. FOR ALL DISTURBED AREAS
CONSTRUCT CONCRETE SIDEWALK
CONSTRUCT DOOR LANDING
CONSTRUCT CHAIN LINK FENCE
CONSTRUCT 12' WIDE DOUBLE SWING GATES
CONSTRUCT CURB RAMP
CONSTRUCT CONCRETE CURB
CONSTRUCT STRIPING TYP.
CONSTRUCT SGL. SLOPE PAVEMENT (TYP. WIDTH)
CONSTRUCT UTILITY PAD
MEET EXISTING CONCRETE FLUSH
MEET EXISTING PAVEMENT FLUSH
RESTORE LAWN TYP. FOR ALL DISTURBED AREAS.
CONSTRUCT INLET - SEE UTILITY PLAN
CONSTRUCT CONCRETE SIDEWALK
CONSTRUCT DOOR LANDING
RESTORE LAWN TYP. FOR ALL DISTURBED AREAS.
CONSTRUCT BENCHES
CONSTRUCT 6'x5' DOOR LANDING W/ RISER
CONSTRUCT WALKWAY W/ HANDRAIL
CONSTRUCT STORM MANHOLE SEE UTILITY PLAN
NEW CANOPY ABOVE W/ POST SUPPORTS. REFER TO ARCH. PLANS.
CONSTRUCT CONCRETE SIDEWALK
CONSTRUCT DOOR LANDING
RESTORE LAWN TYP. FOR ALL DISTURBED AREAS.
conduits
vent pipe
PROPOSED CANOPY - REFER TO ARCH. PLANS.
approx. location of 2nd-story overhang
CONSTRUCT INLET SEE UTILITY PLAN
CONSTRUCT CONCRETE SIDEWALK
CONSTRUCT DOOR LANDING
RESTORE LAWN TYP. FOR ALL DISTURBED AREAS.
CONSTRUCT 6'x5' DOOR LANDING W/ RISER
CONSTRUCT WALKWAY W/ HANDRAIL
CONSTRUCT STORM MANHOLE SEE UTILITY PLAN
NEW CANOPY ABOVE W/ POST SUPPORTS. REFER TO ARCH. PLANS.
CONSTRUCT CONCRETE SIDEWALK
CONSTRUCT DOOR LANDING
RESTORE LAWN TYP. FOR ALL DISTURBED AREA





ALTERNATE BID NO. MS-3: COURTYARD IMPROVEMENTS

LEGEND OF SYMBOLS

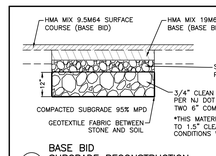
EXISTING (lowercase text)	PROPOSED (UPPERCASE TEXT)	ITEM
○	●/◪	MANHOLE– NEW/RECONSTRUCT
□	■/◧	INLET– NEW/RECONSTRUCT
⊕ c.o.	◉	CLEANOUT
○ rl rlug	○	ROOF LEADER
gv ⋈ wv	GV ⋈ WV	VALVE–TYPE
◇ ◇ ◇	◆ ◆ ◆	FIRE HYDRANT/FDC
⌀ ⌀ ⌀	◆ ◆ ◆	UTIL. POLE/W–LIGHT/W–TRANSF.
✦ ✦	+ ⊸	STREET/TRAFFIC SIGNS:
○–□ ✱	◉–■ ✱	FREESTANDING LIGHT
	⊠	NEW ELEC. HAND HOLE
x	x	FENCE
70.25	x70.25	SPOT ELEVATIONS
68	68	CONTOUR LINE
g	G	GAS LINE
w	W	WATER LINE
e	E	ELEC. SERVICE/CONDUIT
		PAVEMENT EDGE
		FULL DEPTH DEMOLITION
		STANDARD DUTY HOT MIX ASPHALT PAVEMENT
		HEAVY DUTY HOT MIX ASPHALT PAVEMENT
		CURB/DEPRESSED CURB (DC)
		PORTLAND CEMENT CONCRETE
		TREE/WOOD LINE
st	ST	STORM SEWER >=12" DIA.
st	ST	STORM SEWER <12" DIA
so	SA	SANITARY SEWER
		OVERHEAD POWER LINE

ABBREVIATIONS

ADA	AMERICAN DISABILITIES ACT	LF	LINEAR FEET
APPROX	APPROXIMATE	LP	LOW POINT
BF	BARRIER FREE	MH	MANHOLE
BC	BOTTOM OF CURB REVEAL	NEC	NATIONAL ELECTRICAL CODE
BDC	BOTTOM OF DEPRESSED CURB	NIC	NOT IN CONTRACT
BIT	BITUMINOUS	O/H	OVERHEAD
BM	BENCHMARK	PC	POINT OF CURVE
BR	BOTTOM OF RAMP	PCC	POINT OF COMPOUND CURVE
BS	BOTTOM OF STEP	PEP	POLYETHYLENE PIPE (HDPE)
BW	BOTTOM WALL (GRADE)	PROP	PROPOSED
COMM	DATA/COMMUNICATION CABLE	PT	POINT OF TANGENT
CONFIG.	CONFIGURATION	PVC	POLYVINYL CHLORIDE PIPE
CLF	CHAIN LINK FENCE	RCP	REINFORCED CONC. PIPE
C.O.	CLEAN OUT	RL	ROOF LEADER
CONC	CONCRETE	RLUG	ROOF LEADER UNDERGROUND
DC	DEPRESSED CURB	SCD	SOIL CONSERVATION DISTRICT
	(FLUSH TO PAVEMENT)	ST	STORM SEWER PIPE
DEP	DEPRESSED CURB	SS/SAN	SANITARY SEWER PIPE
DEMO	DEMOLITION	TEL	TELEPHONE
DIP	DUCTILE IRON PIPE	TB	TOP OF BORDER
E	ELECTRIC	TBR	TO BE REMOVED
ELEV	ELEVATION (FT.)	TC	TOP OF CURB
EX	EXISTING	TCW	TOP OF CURB WALL+
FDC	FIRE DEPT. CONN.	TDC	TOP OF DEPRESSED CURB
FO	FIBER OPTIC CABLE	TP	TEST PIT
FTG.	FOOTING	TR	TOP OF RAMP
FFE	FINISHED FLOOR ELEVATION	TRANSF	TRANSFORMER
G	GAS PIPE LINE	TS	TOP OF STEP
GRT	GRATE (ELEVATION)	TW	TOP OF WALL
GV	GAS VALVE	TYP	TYPICAL
HC	HANDICAPPED	U/G	UNDERGROUND
HP	HIGH POINT	UP	UTILITY POLE
HYD	FIRE HYDRANT	V.I.F.	VERIFY IN FIELD
INV	INVERT (ELEV.)	W	WATER
		WV	WATER VALVE

GRADING NOTES:

1. ALL UTILITY VALVE COVERS SHALL BE RESET TO FINAL PAVEMENT GRADE. BROKEN OR SEVERELY WORN CASTINGS SHALL BE REPLACED "IN KIND," INCLUDE AT LEAST SIX (6) GAS AND WATER VALVE CASTING REPLACEMENTS IN THE CONTRACT.
2. THE PLANS DESIGNATE AT LEAST TWO (2) BENCHMARKS. ONLY DESIGNATED BENCHMARKS SHALL BE USED WHEN ESTABLISHING INTERIM AND FINAL ELEVATIONS FOR ALL NEW CONSTRUCTION IMPROVEMENTS. THE CONTRACTOR IS PROCEEDING AT ITS OWN RISK IF NEW ELEVATIONS ARE ESTABLISHED BY REFERENCING ANY ELEVATION OTHER THAN A DESIGNATED BENCHMARK.
3. REFER TO THE PROJECT SPECIFICATIONS FOR SPECIFIC EARTHWORK AND COMPACTION REQUIREMENTS AFTER DEMOLITION AND ROUGH GRADING HAS BEEN COMPLETED.
4. THE MAXIMUM RUNNING AND CROSS SLOPES OF SIDEWALKS ALONG A MEANS OF EGRESS SHALL BE AS FOLLOWS:
   CROSS SLOPE: 2% MAXIMUM
   RUNNING SLOPE: 5% MAXIMUM
   ADA COMPLIANT RAMP: 8.3% MAXIMUM
5. SPOT ELEVATIONS ARE SHOWN ON THE PLAN IN KEY LOCATIONS AND PROPOSED CONSTRUCTION IS REQUIRED TO ACHIEVE THESE ELEVATIONS TO ENSURE CODE COMPLIANCE. THE PROPOSED SPOT ELEVATIONS SHOWN ON THE PLAN ENSURE THAT THE REQUIREMENTS IN NOTE #4 ARE MET.
6. FURNISH A DETAILED "AS–BUILT" SURVEY DOCUMENTING THAT THE GRADES AND ELEVATIONS SHOWN ON THE GRADING PLAN HAVE BEEN MET DURING CONSTRUCTION AND COMPLY WITH NOTES ABOVE. ANY CONSTRUCTION (ESPECIALLY BARRIER FREE (ADA) PARKING STALLS, CURB RAMPS & WALKWAYS) THAT EXCEEDS THE GRADES SHOWN IN NOTE #4 WILL BE RECONSTRUCTED AT THE CONTRACTOR'S EXPENSE.
7. **ENGAGE A LICENSED PROFESSIONAL LAND SURVEYOR TO STAKE OUT CONSTRUCTION AND SET CONTROL POINTS SO THAT THE LINES AND GRADES SHOWN ON THE PLAN ARE MET.**
8. LAWN AREAS AROUND NEW CONSTRUCTION SHALL BE GRADED TO PROVIDE A FLUSH CURB EDGE AND UNIFORM TRANSITION BETWEEN EXISTING AND PROPOSED ELEVATIONS. THE LIMITS OF GRADING (WHEN NOT CLEARLY DISCERNABLE BY CONTOUR LINES AND SPOT ELEVATIONS) SHALL BE EXTENDED UP TO 5 FEET BEYOND THE LIMIT OF CONSTRUCTION TO ENSURE THAT A SMOOTH TRANSITION IS PROVIDED.
9. ALL AREAS OF THE SITE SHALL BE GRADED TO ENSURE THAT STORM WATER DOES NOT POOL OR BECOME IMPOUNDED.
10. THE RECOMMENDED MINIMUM SLOPE IN LAWN AREAS IS ONE AND ONE–HALF (1.5) PERCENT. IN SOME AREAS IT IS NECESSARY FOR LAWN AREAS TO SLOPE AS LITTLE AS ONE (1) PERCENT. IN THESE AREAS, THE CONTRACTOR SHALL TAKE ADDITIONAL MEASURES TO FINE GRADE FINISHED SURFACES TO MAINTAIN POSITIVE DRAINAGE.
11. ALL IMPORTED FILL AND DENSE GRADED AGGREGATE SHALL BE CERTIFIED CLEAN PER THE NJ RESIDENTIAL SITE REMEDIATION STANDARDS.



1 BASE BID
SUBGRADE RECONSTRUCTION
IF & WHERE (ALLOWANCE #)
NOT TO SCALE

NOTES:

1. INCLUDE IN THE BID, A **UNIT PRICE AND ALLOWANCE FOR 175 CUBIC YARDS** OF SUBGRADE RECONSTRUCTION, WHERE/IF AUTHORIZED BY THE GEOTECHNICAL ENGINEER. NOTE THE UNIT PRICE SHALL REMAIN FIXED, REGARDLESS OF THE ACTUAL QUANTITY OF SUBGRADE RECONSTRUCTION THAT IS AUTHORIZED, EVEN IF SAID AMOUNT EXCEEDS THE TOTAL VOLUME NOTED ABOVE.
2. THE GEOTECHNICAL ENGINEER **MUST BE PRESENT WHEN SUBGRADE IS REACHED** TO CONDUCT FIELD TESTING TO DETERMINE THE SUBGRADE SUITABILITY. ANY SUBGRADE THAT IS DAMAGED, DUE TO POOR CONSTRUCTION PRACTICES OR LACK OF SUFFICIENT DE–WATERING, WILL BE RESTORED AT THE CONTRACTOR'S EXPENSE.
3. THIS ALLOWANCE ITEM SHALL INCLUDE ALL EXCAVATION OF POOR SUBGRADE SOIL, DISPOSAL OF WASTE MATERIALS, IMPORT & TESTING (NOTE #5) OF STRUCTURAL FILL, PLACEMENT AND COMPACTION OF ALL MATERIALS, AND ALL ELSE NECESSARY AND INCIDENTAL THERETO.
4. THE GEOTECHNICAL ENGINEER MUST BE PRESENT TO OVERSEE ALL SUBGRADE RECONSTRUCTION AND MUST RETAIN MATERIAL SUPPLY TICKETS TO CONFIRM THE CONSTRUCTED QUANTITIES.
5. THE CONTRACTOR MUST PROVIDE A SUBMITTAL FOR STRUCTURAL FILL, PRIOR TO THE START OF WORK, VERIFYING THAT ITS GRADATION MEETS OR EXCEEDS THE SPECIFICATIONS. VIRGIN QUARRY–MANUFACTURED STRUCTURAL FILL DOES NOT REQUIRE A CLEAN FILL CERTIFICATION. ALL OTHER FILL SHALL BE TESTED AND CERTIFIED CLEAN PER THE EARTHWORK SPECIFICATIONS.
6. THE 12" DEPTH NOTED IN THIS DETAIL MAY BE CHANGED AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER BASED UPON FIELD CONDITIONS, AND SHALL NOT AFFECT THE UNIT PRICE.

NOTE:
THE HORIZONTAL DATUM IS BASED UPON THE NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83. THE VERTICAL DATUM IS BASED UPON NAVD88. BOTH DATUMS WERE ESTABLISHED BY TAKING STATIC GPS OBSERVATIONS ON KNOWN SURVEY CONTROL POINTS AND THEN SUBMITTING THE DATA TO OPUS RS FOR POST–PROCESSING

0 20 40 60
SCALE: 1"=20'

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
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Architect _____ Date 10/10/25

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By

Scale

Drawing Name
SITE GRADING PLAN

Revisions		
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	ISSUED FOR BID

Civil Engineering Consultant: EEG 1631D
EDWARDS ENGINEERING GROUP
AN L2A COMPANY
BETH E. KENDERDINE, P.E. 12.15.25
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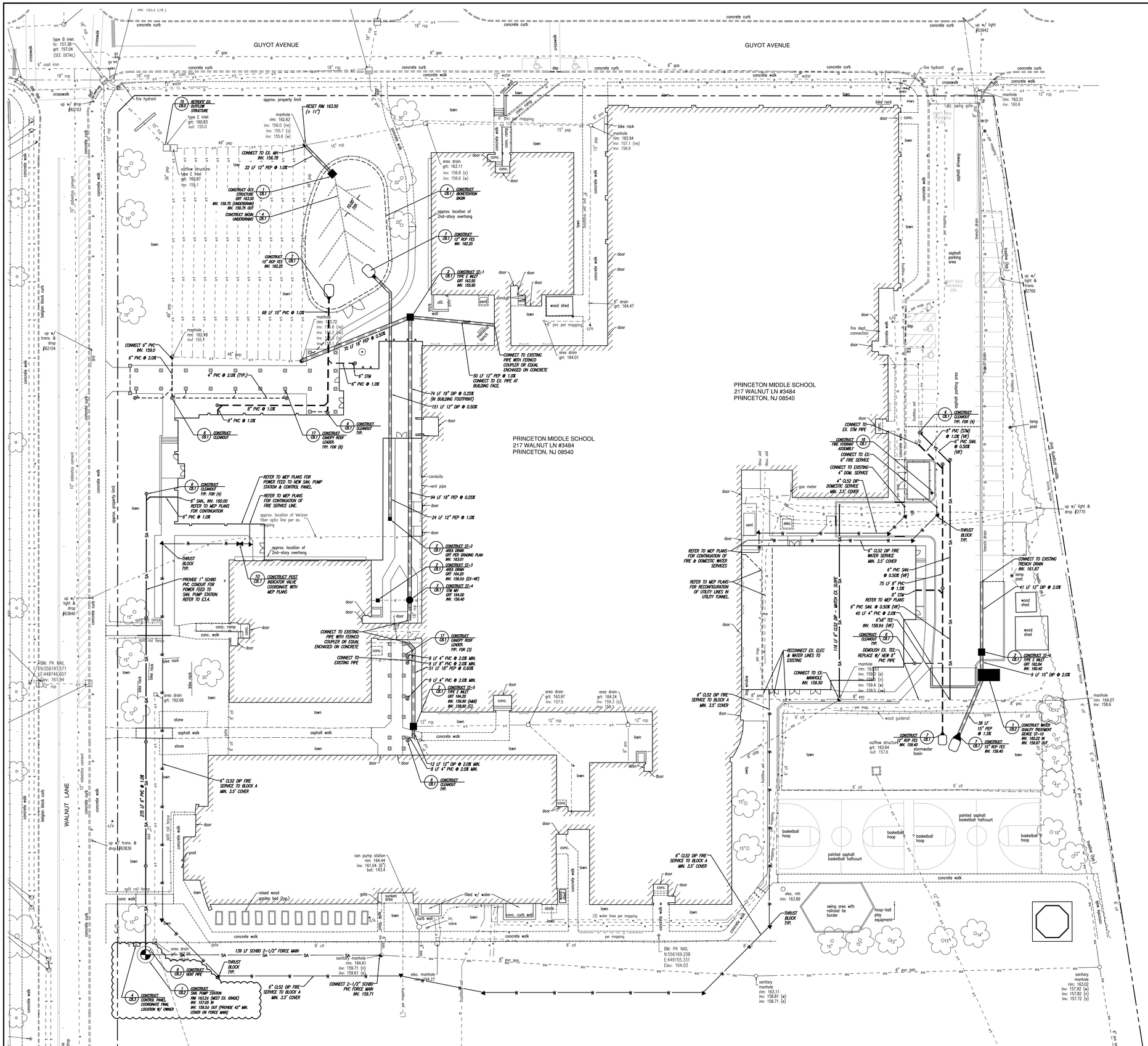
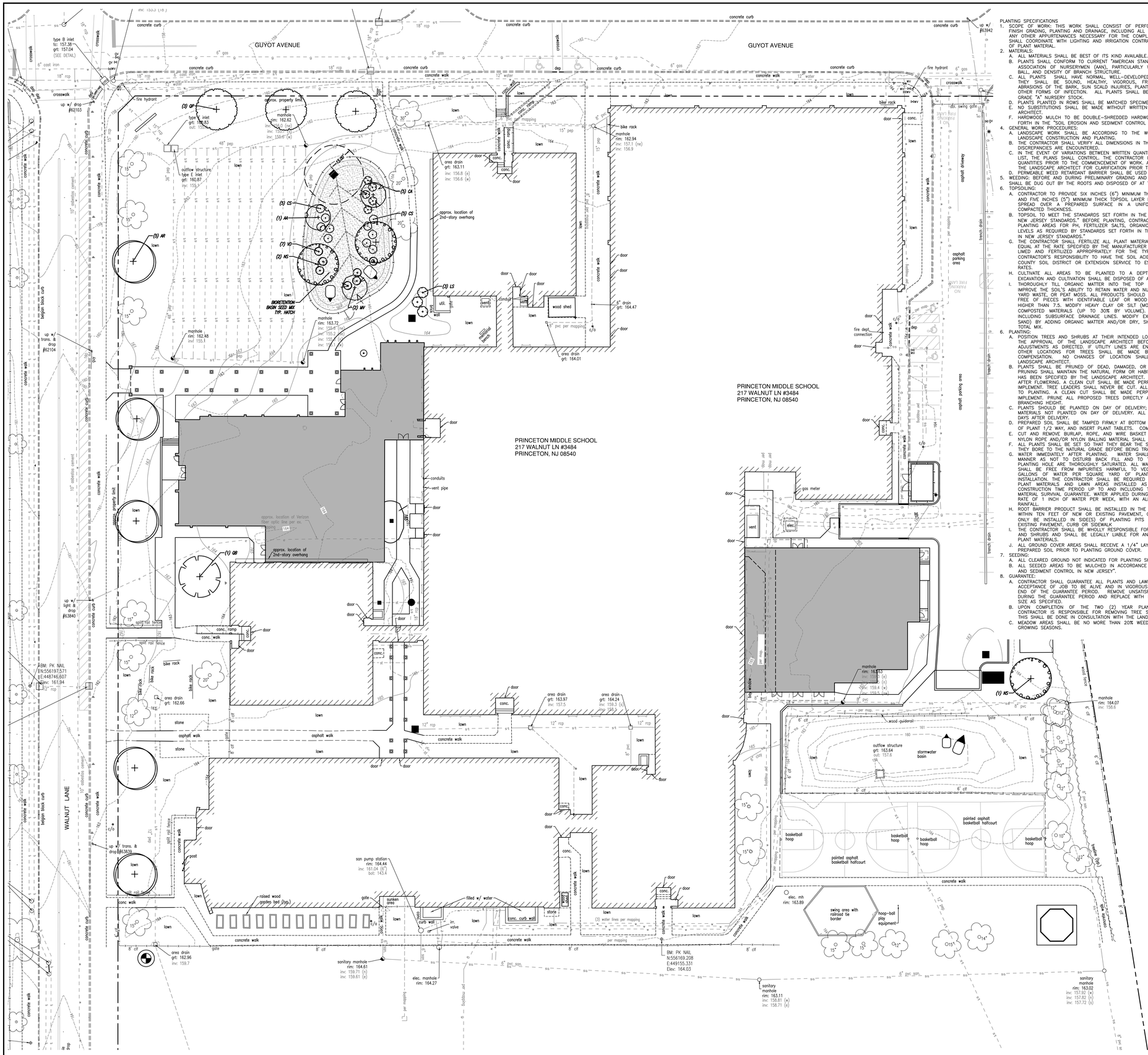
Drawing Number
C-4.0


GUYOT AVENUE
GUYOT AVENUE
WALNUT LANE
PRINCETON MIDDLE SCHOOL
217 WALNUT LN #3484
PRINCETON, NJ 08540
PRINCETON MIDDLE SCHOOL
217 WALNUT LN #3484
PRINCETON, NJ 08540
concrete curb
concrete walk
crosswalk
lawn
asphalt walk
asphalt driveway
asphalt parking area
concrete ramp
bike rack
wood shed
fire hydrant
fire dept connection
gas meter
trench drain
basketball hoop
pointed asphalt basketball halfcourt
swing area with railroad tie border
hoop-ball play equipment
lamp post
split rail fence
stone
gate
door
vent
elec.
conduits
vent pipe
RESET RIM 163.50 (+ 11")
CONNECT TO EX. MH— INV. 156.78
22 LF 12" PEP @ 1.0%
CONSTRUCT OCS STRUCTURE GRT 163.50 INV. 159.75 (UNDERDRAIN) INV. 159.75 OUT
CONSTRUCT WSW UNDERDRAINS
CONSTRUCT BIORETENTION BASIN
CONSTRUCT 12" RCP FES INV. 162.25
CONSTRUCT 15" RCP FES INV. 162.25
CONSTRUCT ST-1 TYPE E INLET GRT 163.50 INV. 155.85
68 LF 10" PVC @ 1.0%
70 LF 18" PEP @ 0.50%
CONNECT 6" PVC INV. 159.0
6" PVC @ 2.0%
4" PVC @ 2.0% (TYP.)
6" STM
6" PVC @ 1.0%
8" PVC @ 1.0%
CONSTRUCT CLEANOUT
CONSTRUCT CANOPY ROOF LEADER, TYP. FOR (6)
CONNECT TO EXISTING PIPE WITH FERNCO COUPLER OR EQUAL ENCHASED ON CONCRETE
50 LF 12" PEP @ 1.0% CONNECT TO EX. PIPE AT BUILDING FACE.
74 LF 18" DIP @ 0.25% (IN BUILDING FOOTPRINT)
151 LF 12" DIP @ 0.50%
REFER TO MEP PLANS FOR POWER FEED TO NEW SAN. PUMP STATION & CONTROL PANEL.
REFER TO MEP PLANS FOR CONTINUATION OF FIRE SERVICE LINE.
6" SAN. IN. 160.00 REFER TO MEP PLANS FOR CONTINUATION
6" PVC @ 1.0%
approx. location of Verizon fiber optic line per ex. mapping
approx. location of 2nd-story overhang
THRUST BLOCK TYP.
PROVIDE 1" SCH80 PVC CONDUIT FOR POWER FEED TO SAN. PUMP STATION. REFER TO E3.4.
94 LF 18" PEP @ 0.25%
24 LF 12" PEP @ 1.0%
CONSTRUCT ST-2 AREA DRAIN GRT PER GRADING PLAN INV. 163.01
CONSTRUCT ST-3 AREA DRAIN GRT 164.20 INV. 156.54 (EX-WF)
CONSTRUCT ST-4 STM MH GRT 164.00 INV. 156.40
CONSTRUCT POST INDICATOR VALVE. COORDINATE WITH MEP PLANS
CONNECT TO EXISTING PIPE WITH FERNCO COUPLER OR EQUAL ENCHASED ON CONCRETE
CONNECT TO EXISTING PIPE
17 CONSTRUCT CANOPY ROOF LEADER, TYP. FOR (3)
5 LF 4" PVC @ 2.0% MIN.
9 LF 8" PVC @ 2.0% MIN.
51 LF 18" PEP @ 0.60%
5 LF 4" PVC @ 2.0% MIN.
CONSTRUCT ST-5 AREA DRAIN GRT 164.20 INV. 156.80 (WB) INV. 156.60 (C)
12 LF 12" DIP @ 2.0% MIN.
8 LF 4" PVC @ 2.0% MIN.
6" CL52 DIP FIRE SERVICE TO BLOCK A MIN. 3.5" COVER
270 LF 6" PVC @ 1.0%
1.39 LF SCH80 2-1/2" FORCE MAIN
THRUST BLOCK TYP.
CONSTRUCT SAN. PUMP STATION
CONSTRUCT CONTROL PANEL. COORDINATE FINAL LOCATION W/ OWNER
CONSTRUCT EXIT PIPE
6" CL52 DIP FIRE SERVICE TO BLOCK A MIN. 3.5" COVER
CONNECT 2-1/2" SCH80 PVC FORCE MAIN INV. 159.71
6" CL52 DIP FIRE SERVICE TO BLOCK A MIN. 3.5" COVER
REFER TO MEP PLANS FOR CONFIGURATION OF FIRE & DOMESTIC WATER SERVICES
REFER TO MEP PLANS FOR RECONFIGURATION OF UTILITY LINES IN UTILITY TUNNEL.
6" CL52 DIP FIRE SERVICE TO BLOCK A MIN. 3.5" COVER
RECONNECT EX. ELEC & WATER LINES TO EXISTING
CONNECT TO EX. MANHOLE INV. 159.50
116 LF 6" CL52 DIP — WITH EX. SLOPE
CONNECT TO EX. STM PIPE
CONSTRUCT FIRE HYDRANT ASSEMBLY
CONNECT TO EX. 6" FIRE SERVICE
CONNECT TO EXISTING 4" DOM. SERVICE
4" CL52 DIP DOMESTIC SERVICE MIN. 3.5" COVER
6" CL52 DIP FIRE WATER SERVICE MIN. 3.5" COVER
6" PVC SAN. @ 0.50% (WF)
75 LF 8" PVC @ 1.5%
8" STM
REFER TO MEP PLANS
6" PVC SAN. @ 0.50% (WF)
40 LF 4" PVC @ 2.0%
6"x8" TEE INV. 158.93 (WF)
CONSTRUCT CLEANOUT TYP.
DEMOLISH EX. TEE— REPLACE W/ NEW 8" PVC PIPE
CONSTRUCT CLEANOUT TYP. FOR (4)
6" PVC (STM) @ 1.0% (WF)
4" PVC SAN. @ 0.50% (WF)
THRUST BLOCK TYP.
CONNECT TO EXISTING TRENCH DRAIN INV. 161.87
41 LF 12" DIP @ 2.0%
CONSTRUCT ST-6 TYPE E INLET GRT 163.84 INV. 160.40
9 LF 15" DIP @ 2.0%
38 LF 15" PEP @ 1.5%
CONSTRUCT 15" RCP FES INV. 159.40
CONSTRUCT WATER QUALITY TREATMENT DEVICE ST-10 INV. 160.22 IN INV. 159.97 OUT
CONSTRUCT 12" RCP FES INV. 158.40
outflow structure grt: 163.64 out: 157.6
stormwater basin
wood guiderail
CONSTRUCT SAN. PUMP STATION RIM 163.26 (MEET EX. GRADE) INV. 157.05 IN INV. 159.56 OUT (PROVIDE 42" MIN. COVER ON FORCE MAIN)
sanitary manhole rim: 164.61 inv: 159.71 (s) inv: 159.61 (s)
elec. manhole rim: 164.27
sanitary manhole rim: 163.11 inv: 158.81 (e) inv: 158.71 (e)
sanitary manhole rim: 163.02 inv: 157.92 (e) inv: 157.82 (s) inv: 157.72 (s)
san pump station rim: 164.44 inv: 161.04 (6") bot: 143.4
sunken area
filled w/ water
raised wood gabion bed (typ.)
irr. valve
(3) water lines per mapping
elec. mh rim: 163.89
BM: PK NAIL N:556197.571 E:448746.607 Elev: 161.94
BM: PK NAIL N:556169.208 E:449155.331 Elev: 164.03
manhole rim: 162.62 inv: 156.0 (ne) inv: 155.7 (s) inv: 155.6 (w)
manhole rim: 162.72 inv: 156.6 (ne) inv: 156.2 (se) inv: 156.1 (w)
manhole rim: 162.48 inv: 155.1
manhole rim: 163.31 inv: 160.6
manhole rim: 162.94 inv: 157.1 (ne) inv: 156.9
area drain grt: 163.11 inv: 156.8 (e) inv: 156.6 (w)
area drain grt: 164.01
area drain grt: 164.07
area drain grt: 164.47
area drain grt: 164.01
area drain grt: 163.97 inv: 157.5
area drain grt: 164.24 inv: 159.3 (s) inv: 158.3
area drain grt: 162.66
manhole rim: 164.07 inv: 158.6
manhole rim: 158.72
manhole rim: 158.8
manhole rim: 158.6
manhole rim: 158.6
manhole rim: 158.6



PLANTING SPECIFICATIONS

1. SCOPE OF WORK: THIS WORK SHALL CONSIST OF PERFORMING, CLEARING AND SOIL PREPARATION, FINISH GRADING, PLANTING AND DRAINAGE, INCLUDING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT. THE CONTRACTOR SHALL COORDINATE WITH LIGHTING AND IRRIGATION CONTRACTORS REGARDING TIMING OF INSTALLATION OF PLANT MATERIAL.
2. MATERIALS:
   A. ALL MATERIALS SHALL BE BEST OF ITS KIND AVAILABLE.
   B. PLANTS SHALL CONFORM TO CURRENT "AMERICAN STANDARDS FOR NURSERY STOCK" BY AMERICAN ASSOCIATION OF NURSERYMEN (AAN), PARTICULARLY WITH REGARD TO SIZE, GROWTH, SIZE OF BALL, AND DENSITY OF BRANCH STRUCTURE.
   C. ALL PLANTS SHALL HAVE NORMAL, WELL-DEVELOPED BRANCHES & VIGOROUS ROOT SYSTEMS. THEY SHALL BE SOUND, HEALTHY, VIGOROUS, FREE FROM DEFECTS, DISFIGURING KNOTS, ABRASIONS OF THE BARK, SUN SCALD INJURIES, PLANT DISEASES, INSECT EGGS, BORERS AND ALL OTHER FORMS OF INFECTION. ALL PLANTS SHALL BE NURSERY GROWN. ALL PLANTS SHALL BE GRADE "A" NURSERY STOCK.
   D. PLANTS PLANTED IN ROWS SHALL BE MATCHED SPECIMENS AND BE UNIFORM IN SIZE AND FORM.
   E. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN CONSENT OF THE OWNER OR LANDSCAPE ARCHITECT.
   F. HARDWOOD MULCH TO BE DOUBLE-SHREDDED HARDWOOD MULCH TO MEET THE STANDARDS SET FORTH IN THE "SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY STANDARDS"
3. GENERAL WORK PROCEDURES:
   A. LANDSCAPE WORK SHALL BE ACCORDING TO THE WORKMANLIKE STANDARDS ESTABLISHED FOR LANDSCAPE CONSTRUCTION AND PLANTING.
   B. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND NOTIFY THE ENGINEER IF ANY DISCREPANCIES ARE ENCOUNTERED.
   C. IN THE EVENT OF VARIATIONS BETWEEN WRITTEN QUANTITIES SHOWN ON THE PLAN AND THE PLANT LIST, THE PLANS SHALL CONTROL. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES PRIOR TO THE COMMENCEMENT OF WORK. ALL DISCREPANCIES SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT FOR CLARIFICATION PRIOR TO BIDDING.
   D. PERMEABLE WEED RETARDANT BARRIER SHALL BE USED IN ALL NON-GRASSED AREA.
4. WEEDING: BEFORE AND DURING PRELIMINARY GRADING AND FINISH GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
5. TOPSOILING:
   A. CONTRACTOR TO PROVIDE SIX INCHES (6") MINIMUM THICK TOPSOIL LAYER IN ALL PLANTING AREA AND FIVE INCHES (5") MINIMUM THICK TOPSOIL LAYER IN ALL SEEDED AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO PRODUCE THE REQUIRED COMPACTED THICKNESS.
   B. TOPSOIL TO MEET THE STANDARDS SET FORTH IN THE "SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY STANDARDS." BEFORE PLANTING, CONTRACTOR SHALL TEST TOPSOIL UTILIZED IN ALL PLANTING AREAS FOR PH, FERTILIZER SALTS, ORGANIC MATTER AND BULK DENSITY AND ADJUST LEVELS AS REQUIRED BY STANDARDS SET FORTH IN THE "SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY STANDARDS."
   G. THE CONTRACTOR SHALL FERTILIZE ALL PLANT MATERIAL WITH 5-10-5 FERTILIZER, OR APPROVED EQUAL AT THE RATE SPECIFIED BY THE MANUFACTURER AS NECESSARY. ALL TURF AREAS SHALL BE LIMED AND FERTILIZED APPROPRIATELY FOR THE TYPES OF SOILS ON THE SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE SOIL ACIDITY AND A SOIL TEST CONDUCTED BY THE COUNTY SOIL DISTRICT OR EXTENSION SERVICE TO ESTABLISH THE SOIL'S LIME AND FERTILIZER RATES.
   H. CULTIVATE ALL AREAS TO BE PLANTED TO A DEPTH OF 6". ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
   I. THOROUGHLY TILL ORGANIC MATTER INTO THE TOP SIX INCHES (6") OF PLANTING SOILS TO IMPROVE THE SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS. USE COMPOSTED BARK, RECYCLED YARD WASTE, OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5. MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED MATERIALS (UP TO 30% BY VOLUME). IMPROVE DRAINAGE IN HEAVY SOILS BY INCLUDING SUBSURFACE DRAINAGE LINES. MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.
6. PLANTING:
   A. POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED. IF UTILITY LINES ARE ENCOUNTERED IN EXCAVATION OF TREE PITS, OTHER LOCATIONS FOR TREES SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION. NO CHANGES OF LOCATION SHALL BE MADE WITHOUT APPROVAL OF THE LANDSCAPE ARCHITECT.
   B. PLANTS SHALL BE PRUNED OF DEAD, DAMAGED, OR DISEASED BRANCHES PRIOR TO DELIVERY. PRUNING SHALL MAINTAIN THE NATURAL FORM OR HABIT OF THE PLANT UNLESS A FORMAL HEDGE HAS BEEN SPECIFIED BY THE LANDSCAPE ARCHITECT. FLOWERING SHRUBS/TREES TO BE PRUNED AFTER FLOWERING. A CLEAN CUT SHALL BE MADE PERPENDICULAR TO THE BRANCH WITH A SHARP IMPLEMENT. TREE LEADERS SHALL NEVER BE CUT. ALL INJURED ROOTS SHALL BE PRUNED PRIOR TO PLANTING. A CLEAN CUT SHALL BE MADE PERPENDICULAR TO THE ROOT WITH A SHARP IMPLEMENT. PRUNE ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS TO A MIN. OF 7' BRANCHING HEIGHT.
   C. PLANTS SHOULD BE PLANTED ON DAY OF DELIVERY; CONTRACTOR SHALL PROTECT AND WATER MATERIALS NOT PLANTED ON DAY OF DELIVERY. ALL MATERIALS TO BE PLANTED WITHIN THREE DAYS AFTER DELIVERY.
   D. PREPARED SOIL SHALL BE TAMPED FIRMLY AT BOTTOM OF PIT. FILL PREPARED SOIL AROUND BALL OF PLANT 1/2 WAY, AND INSERT PLANT TABLETS. COMPLETE BACKFILL AND WATER THOROUGHLY.
   E. CUT AND REMOVE BURLAP, ROPE, AND WIRE BASKET FROM THE TOP 1/3 OF THE ROOT BALL. NYLON ROPE AND/OR NYLON BALLING MATERIAL SHALL NOT BE USED.
   F. ALL PLANTS SHALL BE SET SO THAT THEY BEAR THE SAME RELATION TO THE REQUIRED GRADE AS THEY BORE TO THE NATURAL GRADE BEFORE BEING TRANSPLANTED.
   G. WATER IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH PLANT IN SUCH MANNER AS NOT TO DISTURB BACK FILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED. ALL WATER APPLIED TO PLANTED OR TURF AREAS SHALL BE FREE FROM IMPURITIES HARMFUL TO VEGETATION AND APPLIED AT A RATE OF 5 GALLONS OF WATER PER SQUARE YARD OF PLANT PIT IMMEDIATELY AFTER PLANTING AND INSTALLATION. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ADEQUATE IRRIGATION TO ALL PLANT MATERIALS AND LAWN AREAS INSTALLED AS PART OF THIS CONTRACT DURING THE CONSTRUCTION TIME PERIOD UP TO AND INCLUDING THE TIME PERIOD ESTABLISHED FOR PLANT MATERIAL SURVIVAL GUARANTEE. WATER APPLIED DURING THE GUARANTEE PERIOD SHALL BE AT THE RATE OF 1 INCH OF WATER PER WEEK, WITH AN ALLOWANCE FOR NATURAL PRECIPITATION AND RAINFALL.
   H. ROOT BARRIER PRODUCT SHALL BE INSTALLED IN THE PLANTING PITS OF TREES BEING INSTALLED WITHIN TEN FEET OF NEW OR EXISTING PAVEMENT, CURB OR SIDEWALK. ROOT BARRIER SHALL ONLY BE INSTALLED IN SIDE(S) OF PLANTING PITS THAT ARE WITHIN TEN FEET OF NEW OR EXISTING PAVEMENT, CURB OR SIDEWALK
   I. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR STABILITY AND CONDITIONS OF ALL TREES AND SHRUBS AND SHALL BE LEGALLY LIABLE FOR ANY DAMAGE CAUSED BY INSTABILITY OF ANY PLANT MATERIALS.
   J. ALL GROUND COVER AREAS SHALL RECEIVE A 1/4" LAYER OF HUMUS RAKED INTO THE TOP 1" OF PREPARED SOIL PRIOR TO PLANTING GROUND COVER.
7. SEEDING:
   A. ALL CLEARED GROUND NOT INDICATED FOR PLANTING SHALL BE SEEDED WITH LAWN GRASS.
   B. ALL SEEDED AREAS TO BE MULCHED IN ACCORDANCE WITH THE "STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY".
8. GUARANTEE:
   A. CONTRACTOR SHALL GUARANTEE ALL PLANTS AND LAWN FOR A PERIOD OF TWO (2) YEAR FROM ACCEPTANCE OF JOB TO BE ALIVE AND IN VIGOROUS GROWING CONDITION DURING AND AT THE END OF THE GUARANTEE PERIOD. REMOVE UNSATISFACTORY AND DEAD PLANTS EVERY MONTH DURING THE GUARANTEE PERIOD AND REPLACE WITH PLANTS OF THE SAME KIND, QUALITY, AND SIZE AS SPECIFIED.
   B. UPON COMPLETION OF THE TWO (2) YEAR PLANT GUARANTEE PERIOD, THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR REMOVING TREE STAKES AND GUY WIRES FROM ALL TREES. THIS SHALL BE DONE IN CONSULTATION WITH THE LANDSCAPE ARCHITECT.
   C. MEADOW AREAS SHALL BE NO MORE THAN 20% WEED SPECIES AT THE END OF FIRST TWO (2) GROWING SEASONS.

PLANT SCHEDULE

TREES

KEY	BOTANICAL NAME	COMMON NAME	SIZE	QTY
AR	ACER RUBRUM	RED MAPLE	1.5"-2" CAL.	5
AA	AMELANCHIER ARBOREA	DOWNY SERVICEBERRY	6'-8' HT.	1
LS	LIQUIDAMBAR STYRACIFLUA 'SLENDER SILHOUETTE'	'SLENDER SILHOUETTE' SWEETGUM	1.5"-2" CAL.	3
MV	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA	6'-8' HT.	2
NS	NYSSA SYLVATICA	BLACK GUM	1.5"-2" CAL.	3
QB	QUERCUS BICOLOR	SWAMP WHITE OAK	1.5"-2" CAL.	1
QP	QUERCUS PALUSTRIS	WILLOW OAK	1.5"-2" CAL.	3

SHRUBS

KEY	BOTANICAL NAME	COMMON NAME	SIZE	QTY
CA	CLETHRA ALNIFOLIA	SUMMERSWEET	24" MIN.	5
CS	CORNUS SERICEA	REDTWIG DOGWOOD	30" MIN.	10
VD	VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	30" MIN.	7

BIORETENTION BASIN SEED MIX

ERNST SEED ITEM NUMBER: ERNMX-180 (RAIN GARDEN SEED MIX)
OR APPROVED EQUAL
SEEDING RATE: 20 LBS PER ACRE
SOW WITH COVER CROP: OATS (1 JAN TO 31 JUL; 30 LBS/ACRE) OR GRAIN RYE (1 AUG TO 31 DEC; 30 LBS/ACRE).

% MIX	BOTANICAL NAME	COMMON NAME
29.5%	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM
20.0%	ELYMUS VIRGINICUS	VIRGINIA WILDRYE
9.0%	CAREX VULPINOIDEA	FOX SEDGE
8.0%	ECHINACEA PURPUREA	PURPLE CONEFLOWER
5.8%	PANICUM RIGIDULUM	REDTOP PANICGRASS
5.3%	CHASMANTHIUM LATIFOLIUM	RIVER OATS, WV ECOTYPE
3.0%	COREOPSIS LANCEOLATA	LANCELEAF COREOPSIS
3.0%	RUDBECKIA HIRTA	BLACKEYED SUSAN
2.5%	VERBENA HASTATA	BLUE VERVAIN
2.0%	PANICUM CLANDESTINUM	DEERTONGUE
1.8%	HELIOPSIS HELIANTHOIDES	OXEYE SUNFLOWER
1.5%	ASCLEPIAS INCARNATA	SWAMP MILKWEED
1.3%	PENSTEMON DIGITALIS	TALL WHITE BEARDTONGUE
1.0%	CAREX SCOPARIA	BLUNT BROOM SEDGE
1.0%	SENNA HEBECARPA	WILD SENNA
1.0%	ZIZIA AUREA	GOLDEN ALEXANDERS
0.5%	BAPTISIA AUSTRALIS	BLUE FALSE INDIGO
0.5%	JUNCUS EFFUSUS	SOFT RUSH
0.5%	JUNCUS TENUIS	PATH RUSH
0.5%	PYCNANTHEMUM TENUIFOLIUM	NARROWLEAF MOUNTAINMINT
0.5%	VERNONIA NOVEBORACENSIS	NEW YORK IRONWEED
0.4%	ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER
0.4%	MONARDA FISTULOSA	WILD BERGAMOT
0.2%	ASTER LATERIFLORUS	CALICO ASTER
0.2%	ASTER PRENANTHOIDES	ZIGZAG ASTER
0.1%	ASTER PILOSUS	HEATH ASTER
0.1%	EUPATORIUM PERFOLIATUM	BONESET
0.1%	MIMULUS RINGENS	SQUARE STEMMED MONKEYFLOWER
0.1%	SOLIDAGO JUNCEA	EARLY GOLDENROD
0.1%	SOLIDAGO NEMORALIS	GRAY GOLDENROD
0.1%	SOLIDAGO RUGOSA	WRINKLELEAF GOLDENROD

NOTE:
THE HORIZONTAL DATUM IS BASED UPON THE NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83. THE VERTICAL DATUM IS BASED UPON NAVD88. BOTH DATUMS WERE ESTABLISHED BY TAKING STATIC GPS OBSERVATIONS ON KNOWN SURVEY CONTROL POINTS AND THEN SUBMITTING THE DATA TO OPUS RS FOR POST-PROCESSING

Civil Engineering Consultant: EEG 1631D

EDWARDS ENGINEERING GROUP
AN L2A COMPANY

BETH E. KENDERDINE, P.E. 12.15.25
Professional Engineer N.J. Lic. No. GE45532

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Architect Date 10/10/25

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SITE LANDSCAPING PLAN

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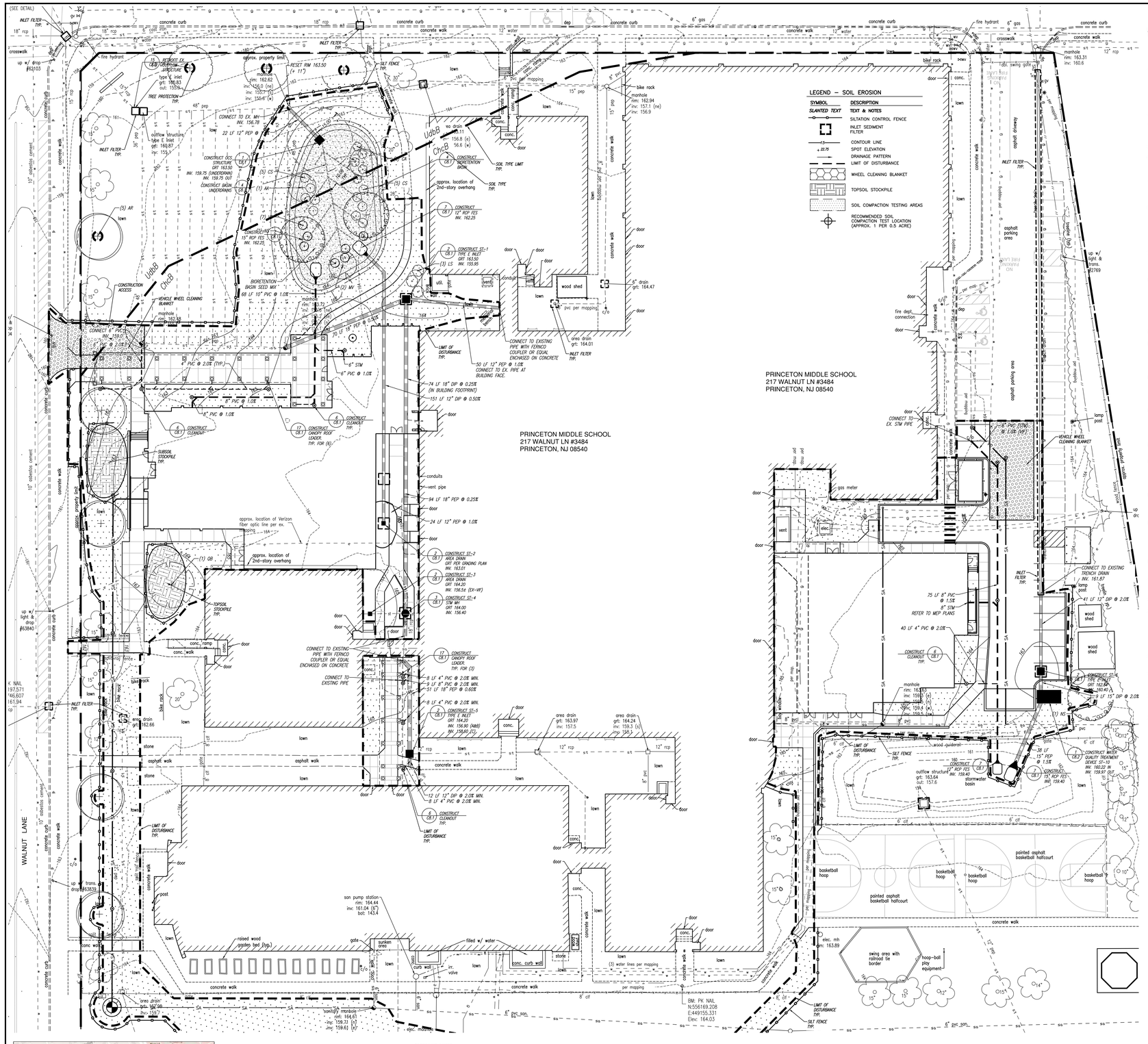

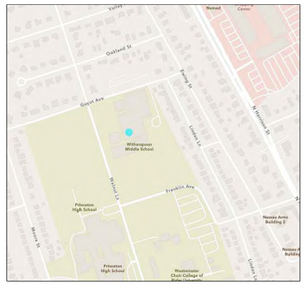

SEQUENCE OF CONSTRUCTION

TIME (WEEKS)	WORK DESCRIPTION
1	INSTALL PERIMETER SEDIMENT BARRIER (SILT FENCE), STABILIZED CONSTRUCTION ENTRANCE AND SOIL EROSION MEASURES INCLUDING TREE PROTECTION WHERE SHOWN ON THE PLAN.
6	PERFORM DEMOLITION OPERATIONS.
1	STRIP AND STOCKPILE TOPSOIL WITHIN LIMIT OF DISTURBANCE.
4	PERFORM EARTHWORK OPERATIONS.
2	CONSTRUCT AND PERMANENTLY STABILIZE BIORETENTION BASIN.
2	CONSTRUCT STORM SEWER SYSTEM
24	CONSTRUCT BUILDING, CONNECT UTILITIES
6	CONSTRUCT NEW PAVEMENT, CURBS AND WALKWAYS.
4	CONSTRUCT BALANCE OF SITE WORK.
2	RESTORE LAWN AREAS PER SEEDING SPECIFICATIONS. TILL SUBSOILS 6" MIN PRIOR TO PLACING 5" TOPSOIL.
1	WHEN SITE IS COMPLETELY AND PERMANENTLY STABILIZED, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.
CONTINUOUS	MAINTENANCE OF ALL SOIL EROSION CONTROL MEASURES. TRACKING PADS SHALL BE TOP-DRESSED AS NEEDED TO PROVIDE A STABLE CONSTRUCTION ENTRANCE AND PROHIBIT TRACKING OF SILT AND SEDIMENT ONTO PUBLIC ROADWAYS. SILT FENCE SHALL BE CLEANED AND MAINTAINED IN AN EFFECTIVE CONDITION. INLET PROTECTION SHALL BE CLEANED AND MAINTAINED REGULARLY TO PROHIBIT DOWNSTREAM SILTATION WHILE MAINTAINING POSITIVE DRAINAGE.

THE ACTIVITIES LISTED ABOVE MAY OVERLAP. THE ESTIMATED CONSTRUCTION TIME FOR THIS PROJECT IS 6 MONTHS.

THE ABOVE SEQUENCE IS INTENDED FOR GUIDANCE PURPOSES ONLY, IN ORDER TO MINIMIZE DISTURBANCE AND EXPOSURE OF SITE SOILS REFER TO MANDATORY CONSTRUCTION MILESTONES LISTED IN THE PROJECT MANUAL FOR SPECIFIC PHASING.

TOPSOILING NOTES

1. MATERIALS
   A. TOPSOIL SHOULD BE FRIABLE, LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, AND CONTAIN NO TOXIC SUBSTANCE OR ADVERSE CHEMICAL OR PHYSICAL CONDITION THAT MAY BE HARMFUL TO PLANT GROWTH. SOLUBLE SALTS SHOULD NOT BE EXCESSIVE (CONDUCTIVITY LESS THAN 0.5 MILLIMHOS PER CENTIMETER. MORE THAN 0.5 MILLIMHOS MAY DESICCATE SEEDLINGS AND ADVERSELY IMPACT GROWTH). IMPORTED TOPSOIL SHALL HAVE A MINIMUM ORGANIC MATTER CONTENT OF 2.75 PERCENT, ORGANIC MATTER CONTENT MAY BE RAISED BY ADDITIVES.
   B. TOPSOIL SUBSTITUTE IS A SOIL MATERIAL WHICH MAY HAVE BEEN AMENDED WITH SAND, SILT, CLAY, ORGANIC MATTER, FERTILIZER OR LIME AND HAS THE APPEARANCE OF TOPSOIL. TOPSOIL SUBSTITUTES MAY BE UTILIZED ON SITES WITH INSUFFICIENT TOPSOIL FOR ESTABLISHING PERMANENT VEGETATION. ALL TOPSOIL SUBSTITUTE MATERIALS SHALL MEET THE REQUIREMENTS OF TOPSOIL NOTED ABOVE. SOIL TESTS SHALL BE PERFORMED TO DETERMINE THE COMPONENTS OF SAND, SILT, CLAY, ORGANIC MATTER, SOLUBLE SALTS AND PH LEVEL.
2. STRIPPING & STOCKPILING
   A. FIELD EXPLORATION SHOULD BE MADE TO DETERMINE WHETHER QUANTITY AND OR QUALITY OF SURFACE SOIL JUSTIFIES STRIPPING.
   B. STRIPPING SHALL BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA.
   C. WHERE FEASIBLE, LIME MAY BE APPLIED BEFORE STRIPPING AT A RATE DETERMINED BY SOIL TESTS TO BRING THE SOIL pH TO APPROXIMATELY 6.5.
   D. A 4–6 INCH STRIPPING DEPTH IS COMMON, BUT MAY VARY DEPENDING ON THE PARTICULAR SOIL.
   E. STOCKPILES OF TOPSOIL SHOULD BE SITUATED SO AS NOT TO OBSTRUCT NATURAL DRAINAGE OR CAUSE OFF–SITE ENVIRONMENTAL DAMAGE.
   F. STOCKPILES SHOULD BE VEGETATED IN ACCORDANCE WITH THE STANDARDS FOR PERMANENT OR TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION. WEEDS SHOULD NOT BE ALLOWED TO GROW ON STOCKPILES.
3. SITE PREPARATION
   A. GRADE AT THE ONSET OF THE OPTIMAL SEEDING PERIOD SO AS TO MINIMIZE THE DURATION AND AREA OF EXPOSURE OF DISTURBED SOIL TO EROSION. IMMEDIATELY PROCEED TO ESTABLISH VEGETATIVE COVER IN ACCORDANCE WITH THE SPECIFIED SEED MIXTURE.
   B. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE IF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND ANCHORING, AND MAINTENANCE.
   C. SUBSOIL SHOULD BE TESTED FOR LIME REQUIREMENT. LIMESTONE, IF NEEDED, SHOULD BE APPLIED TO BRING SOIL TO A pH OF APPROXIMATELY 6.5 AND INCORPORATED INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES.
   D. PRIOR TO TOPSOILING, THE SUBSOIL SHALL BE IN COMPLIANCE WITH THE STANDARD FOR LAND GRADING.
   E. EMPLOY NEEDED EROSION CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENTATION BASINS, AND WATERWAYS.
4. APPLYING TOPSOIL
   A. HANDLE TOPSOIL ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING SOIL STRUCTURE.
   B. APPLY A UNIFORM AVERAGE DEPTH OF 5 INCHES, MINIMUM 4 INCHES, FIRMED IN PLACE. HIGH ACID PRODUCING SOILS: SOILS HAVING A pH OF 4 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A pH OF 5 OR MORE BEFORE INITIATING SEEDBED PREPARATION.
   C. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT PERMANENT VEGETATIVE COVER BECOMES ESTABLISHED ON AT LEAST 80% OF THE SOILS TO BE STABILIZED WITH VEGETATION.

AREA OF DISTURBANCE: 1.72 AC

SOIL TYPES:
ChcB: CHALFONT SILT LOAM, 2 TO 6 PERCENT SLOPES
UdsB: UDORTHENTS, BEDROCK SUBSTRATUM, 0 TO 8 PERCENT SLOPES

STABILIZATION SPECIFICATIONS

1. SEEDBED PREPARATION: UNIFORMLY APPLY GROUND LIMESTONE AND FERTILIZER TO TOPSOIL WHICH HAS BEEN SPREAD AND FIRMED, ACCORDING TO SOIL TEST RECOMMENDATIONS, SUCH AS OFFERED BY RUTGERS CO–OPERATIVE EXTENSION SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS COOPERATIVE EXTENSION OFFICES (HTTP://NJAES.RUTGERS.EDU/COUNTY).
2. WORK FERTILIZER AND LIME AND LIME INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES.
3. TEMPORARY SEEDING AND MULCHING
   LIME – AS RECOMMENDED BY SOIL TESTING.
   FERTILIZER – 500 LBS PER ACRE OF 10–20–10 OR EQUAL, WITH 50% WATER INSOLUBLE NITROGEN, UNLESS SOIL TESTING INDICATES OTHERWISE.
   SEED – SPRING OATS AT 86 LBS PER ACRE (2 LBS PER 1,000 SQ.FT.)
   PLANTING DATES: FEBRUARY 15 THRU MAY 1
   AUGUST 15 THRU OCTOBER 15
   MULCH – SALT HAY OR SMALL GRAIN STRAW AT 70–90 LBS PER 1,000 SQ.FT.
   BINDER – LIQUID SYNTHETIC OR ORGANIC SUCH AS CURASOL DCA 70, PETRO SET, OR TERRA TACK AT RATES ESTABLISHED BY THE MANUFACTURER TO BIND THE MULCH BLANKET.
4. PERMANENT SEEDING – LAWN AREAS
   ESTABLISHING PERMANENT VEGETATION MEANS 80% VEGETATIVE COVERAGE WITH THE SPECIFIED MIXTURE FOR THE SEEDED AREA AND MOWED ONCE.
   LIME – AS RECOMMENDED BY SOIL TESTING.
   FERTILIZER – 500 LBS PER ACRE 10–10–10 OR EQUAL, WITH 50% WATER INSOLUBLE NITROGEN, UNLESS SOIL TESTING INDICATES OTHERWISE.
   SEED – HARD FESCUE AND/OR CHEWING FESCUE AND/OR STRONG CREEPING RED FESCUE AT 175 LBS/ACRE
   PERENNIAL RYEGRASS AT 45 LBS/ACRE
   KENTUCKY BLUEGRASS (BLEND) AT 45 LBS/ACRE
   PLANTING DATES: FEBRUARY 1 THRU APRIL 30
   AUGUST 15 THRU OCTOBER 30 (OPTIMUM).
   MULCH – SALT HAY OR SMALL GRAIN STRAW AT 70–90 LBS PER 1,000 SQ.FT.
   BINDER – LIQUID SYNTHETIC OR ORGANIC SUCH AS CURASOL DCA 70, PETRO SET, OR TERRA TACK AT RATES ESTABLISHED BY THE MANUFACTURER TO BIND THE MULCH BLANKET.
5. STABILIZATION WITH MULCH ONLY
   MULCH – UNROTTED SMALL–GRAIN STRAW, OR SALT HAY AT 2.0 TO 2.5 TONS PER ACRE, SPREAD UNIFORMLY AT 90 TO 115 LBS PER 1,000 SQUARE FEET, ANCHORED WITH LIQUID MULCH BINDERS.
   BINDER – LIQUID SYNTHETIC OR ORGANIC SUCH AS CURASOL DCA 70, PETRO SET, OR TERRA TACK AT RATES ESTABLISHED BY THE MANUFACTURER TO BIND THE MULCH BLANKET. APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND CATCHES THE MULCH, IN VALLEYS, AND AT CRESTS OF BANKD. REMAINDER OF AREA SHOULD BE UNIFORM IN APPEARANCE.

IMMEDIATELY PRIOR TO SEEDING, SURFACE SHALL BE SCARIFIED 6" TO 12" WHERE THERE HAS BEEN SOIL COMPACTION. (ONLY APPLICABLE WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES.)

HIGH ACID PRODUCING SOILS: SOILS HAVING A pH OF 4 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL HAVING A pH OF 5 OR MORE BEFORE INITIATING SEEDBED PREPARATION.
THE OWNER IS RESPONSIBLE FOR LONG–TERM MAINTENANCE OF PERMANENT EROSION & SEDIMENT CONTROL MEASURES.

DUST CONTROL NOTES:
ANY OF THE FOLLOWING METHODS SHALL BE USED FOR DUST CONTROL:

1. MULCHES: SEE STABILIZATION SPECIFICATIONS.
2. TILLAGE: TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL–TYPE PLOWS SPACED APPROXIMATELY 12" APART AND SPRING–TOOTHED HARROWS ARE EXMAPLED OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
3. SPRINKLING: THE SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET.
4. BARRIERS: BALES OF HAY AND/OR SILT STOP FENCES CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.

SOIL EROSION & SEDIMENT CONTROL NOTES:

1. SOIL EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED BEFORE LAND DISTURBANCE OR ANY DEMOLITION WORK THAT WILL CAUSE EXCAVATION INTO THE SUBGRADE SOILS.

RESTORATION NOTES:

1. VEGETATED AREAS ADJACENT TO CONSTRUCTION SHALL BE RESTORED AS LAWN AND ADDITIONAL SCREENED TOPSOIL SHALL BE CONSTRUCTED AS NEEDED TO MEET NEW SURFACES FLUSH. FINISH THE TOPSOIL WITH A SURFACE GRADE OF AT LEAST 1.5 PERCENT WHENEVER POSSIBLE, TO MAINTAIN POSITIVE OVERLAND DRAINAGE.
2. RE–GRADE AREAS ALONGSIDE NEW PAVEMENT, CURBING, AND SIDEWALKS TO MEET PAVEMENTS FLUSH. IN NO CASE SHALL TOPSOIL BE MORE THAN 1/2 INCH BELOW THE ADJACENT PAVEMENT SURFACE.

SOIL RESTORATION, DE–COMPACTION, AND TESTING REQUIREMENTS:
THE PROJECT SITE IS LOCATED WITHIN A METROPOLITAN PLANNING AREA ACCORDING TO THE STATE PLAN POLICY MAP. THE EXISTING SITE IS NOT COVERED IN WOODY VEGETATION, THEREFORE THIS SITE IS EXCLUDED FROM SOIL RESTORATION REMEDIATION REQUIREMENTS.

SOIL COMPACTION MITIGATION NOTES:

1. SUBGRADE SOILS PRIOR TO THE APPLICATION OF TOPSOIL (SEE PERMANENT SEEDING AND STABILIZATION NOTES FOR TOPSOIL REQUIREMENTS) SHALL BE FREE OF EXCESSIVE COMPACTION TO A DEPTH OF 6.0 INCHES TO ENHANCE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
2. AREAS OF THE SITE WHICH ARE SUBJECT TO COMPACTION MITIGATION ARE GRAPHICALLY DENOTED ON THE CERTIFIED SOIL EROSION CONTROL PLAN.
3. SOIL COMPACTION TESTING IS NOT REQUIRED IF/WHEN SUBSOIL COMPACTION REMEDIATION (SCARIFICATION/TILLAGE [6" MINIMUM DEPTH] OR SIMILAR) IS PROPOSED AS PART OF THE SEQUENCE OF CONSTRUCTION.

MERCER COUNTY SOIL EROSION AND SEDIMENT CONTROL NOTES

1. THE MERCER COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED 48 HOURS PRIOR TO STARTING LAND DISTURBANCE ACTIVITY. NOTICE MAY BE MAILED, FAXED OR EMAILED TO:
   MCSCD, 590 HUGHES DRIVE, HAMILTON SQUARE, NJ 08690
   PHONE: 609–586–9603
   FAX: 609–586–1117
   EMAIL: PAULS1MERCER@AOL.COM, LINDA1MERCER@AOL.COM
2. IF APPLICABLE TO THIS PROJECT, THE OWNER SHOULD BE AWARE OF HIS OR HER OBLIGATION TO FILE FOR A NJPDES CONSTRUCTION ACTIVITY STORMWATER 5G3 PERMIT (5G3–NJ0088323) VIA THE NJDEP ONLINE PERMITTING SYSTEM (WWW.NJ.GOV/DEP/ONLINE) AND TO MAINTAIN THE ASSOCIATED BEST MANAGEMENT PRACTICES AND STORMWATER POLLUTION PREVENTION PLAN; SELF–INSPECTION LOGBOOK ONSITE AT ALL TIMES. THIS PERMIT MUST BE FILED PRIOR TO THE START OF SOIL DISTURBANCE. THE ONLINE APPLICATION PROCESS WILL REQUIRE ENTRY OF AN SCD CERTIFICATION CODE, WHICH IS PROVIDED BY THE SOIL CONSERVATION DISTRICT UPON CERTIFICATION OF THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
3. THE MERCER COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED OF ANY CHANGES IN OWNERSHIP.
4. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN, INCLUDING AN INCREASE IN THE LIMIT OF DISTURBANCE, WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RECERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION & SEDIMENT CONTROL STANDARDS.
5. A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE AT ALL TIMES.
6. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, OR IN THEIR PROPER SEQUENCE AS OUTLINED WITHIN THE SEQUENCE OF CONSTRUCTION ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
7. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NJ. IF LANGUAGE CONTAINED WITHIN ANY OTHER PERMIT FOR THIS PROJECT IS MORE RESTRICTIVE THAN (BUT NOT CONTRADICTORY TO) WHAT IS CONTAINED WITHIN THESE NOTES OR ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN, THEN THE MORE RESTRICTIVE PERMIT REQUIREMENTS SHALL BE FOLLOWED.
8. THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS REQUIRES THE INSTALLATION OF A 1½" TO 2½" CLEAN STONE TRACKING PAD AT ALL CONSTRUCTION DRIVEWAYS IMMEDIATELY AFTER INITIAL SITE DISTURBANCE, WHETHER IDENTIFIED ON THE CERTIFIED PLAN OR NOT. THE WIDTH SHALL SPAN THE FULL WIDTH OF EGRESS, AND LENGTH SHALL BE 50 FT. OR MORE, DEPENDING ON SITE CONDITIONS AND AS REQUIRED BY THE STANDARD. THIS SHALL INCLUDE INDIVIDUAL LOT ACCESS POINTS WITHIN RESIDENTIAL SUBDIVISIONS. IF THE EGRESS IS TO A COUNTY ROAD, THEN A 20 FT. LONG PAVED TRANSITION SHALL BE PROVIDED BETWEEN THE EDGE OF PAVEMENT AND THE STONE ACCESS PAD.
9. A SUB–BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB–BASE SHALL BE INSTALLED WITHIN 15 DAYS OF PRELIMINARY GRADING, PROVIDED THAT ALL OTHER REQUIREMENTS RELATED TO DETENTION BASINS, SWALES, AND THE SEQUENCE OF CONSTRUCTION HAVE BEEN MET.
10. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 14 DAYS AND NOT SUBJECT TO CONSTRUCTION ACTIVITY WILL IMMEDIATELY RECEIVE TEMPORARY STABILIZATION. IF THE SEASON PREVENTS ESTABLISHMENT OF A TEMPORARY VEGETATIVE COVER, OR IF THE AREA IS NOT TOPSOILED, THEN THE DISTURBED AREAS WILL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS. SLOPED AREAS IN EXCESS OF 3H:1V SHALL BE PROVIDED WITH EROSION CONTROL BLANKETS. CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES, ROADWAY EMBANKMENTS, ENVIRONMENTALLY SENSITIVE AREAS) WILL RECEIVE TEMPORARY STABILIZATION IMMEDIATELY AFTER INITIAL DISTURBANCE OR ROUGH GRADING
11. ANY STEEP SLOPES (I.E. SLOPES GREATER THAN 3H:1V) RECEIVING PIPELINE OR UTILITY INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS.
12. PERMANENT VEGETATION SHALL BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING AND TOPSOILING. ALL AGRONOMIC REQUIREMENTS CONTAINED WITHIN THE STANDARDS AND ON THE CERTIFIED PLAN SHALL BE EMPLOYED. MULCH WITH BINDER, IN ACCORDANCE WITH THE STANDARDS, SHALL BE USED ON ALL SEEDED AREAS. SAVE ALL TAGS AND/OR BAGS USED FOR SEED, LIME, AND FERTILIZER, AND PROVIDE THEM TO THE DISTRICT INSPECTOR TO VERIFY THAT MIXTURES AND RATES MEET THE STANDARDS.
13. AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, THEN NON–VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
14. DURING THE COURSE OF CONSTRUCTION, SOIL COMPACTION MAY OCCUR WITHIN HAUL ROUTES, STAGING AREAS AND OTHER PROJECT AREAS. IN ACCORDANCE WITH THE STANDARD FOR TOPSOILING, COMPACTED SURFACES SHOULD BE SCARIFIED 6" TO 12" IMMEDIATELY PRIOR TO TOPSOIL APPLICATION. THIS WILL HELP ENSURE A GOOD BOND BETWEEN THE TOPSOIL AND SUBSOIL. THIS PRACTICE IS PERMISSIBLE ONLY WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.).
15. PRIOR TO SEEDING, TOPSOIL SHALL BE WORKED TO PREPARE A PROPER SEEDBED. THIS SHALL INCLUDE RAKING OF THE TOPSOIL AND REMOVAL OF DEBRIS AND STONES, ALONG WITH OTHER REQUIREMENTS OF THE STANDARD FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION.
16. IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, ANY SOIL HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDES SHALL BE BURIED WITH LIMESTONE IN ACCORDANCE WITH THE STANDARD AND BE COVERED WITH A MINIMUM OF 12" OF SOIL HAVING A PH OF 5 OR MORE PRIOR TO TOPSOIL APPLICATION AND SEEDBED PREPARATION. IF THE AREA IS TO RECEIVE TREE OR SHRUB PLANTINGS, OR IS LOCATED ON A SLOPE, THEN THE AREA SHALL BE COVERED WITH A MINIMUM OF 24" OF SOIL HAVING A PH OF 5 OR MORE.
17. MULCHING TO THE STANDARDS IS REQUIRED FOR OBTAINING A CONDITIONAL REPORT OF COMPLIANCE. CONDITIONAL ROC'S ARE ONLY ISSUED WHEN THE SEASON PROHIBITS SEEDING. PERMANENT STABILIZATION MUST THEN BE COMPLETED DURING THE OPTIMUM SEEDING SEASON IMMEDIATELY FOLLOWING THE CONDITIONAL ROC, OR THE COMPLETION OF WORK IN A GIVEN AREA.
18. HYDROSEEDING IS A TWO–STEP PROCESS. THE FIRST STEP INCLUDES SEED, FERTILIZER, LIME, ETC., ALONG WITH MINIMAL AMOUNTS OF MULCH TO PROMOTE CONSISTENCY, GOOD SEED–TO–SOIL CONTACT, AND GIVE A VISUAL INDICATION OF COVERAGE. UPON COMPLETION OF THE SEEDING OPERATION, HYDROMULCH SHOULD BE APPLIED AT A MINIMUM RATE OF 1500 LBS. PER ACRE IN SECOND STEP. THE USE OF HYDRO–MULCH, AS OPPOSED TO STRAW, IS LIMITED TO OPTIMUM SEEDING DATES AS LISTED IN THE STANDARDS. THE USE OF HYDROMULCH ON SLOPED AREAS IS DISCOURAGED.
19. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL ADJACENT ROADS CLEAN DURING LIFE OF THE CONSTRUCTION PROJECT. ALL SEDIMENT WASHED, DROPPED, TRACKED OR SPILLED ONTO PAVED SURFACES SHALL BE IMMEDIATELY REMOVED.
20. THE DEVELOPER SHALL BE RESPONSIBLE FOR REMEDIATING ANY EROSION OR SEDIMENT PROBLEMS THAT ARISE AS A RESULT OF ONGOING CONSTRUCTION, AND FOR EMPLOYING ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AT THE REQUEST OF THE MERCER COUNTY SOIL CONSERVATION DISTRICT.
21. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
22. ALL DETENTION / RETENTION BASINS MUST BE FULLY CONSTRUCTED (INCLUSIVE OF ALL STRUCTURAL COMPONENTS AND LINERS) AND PERMANENTLY STABILIZED PRIOR TO PAVING OR PRIOR TO THE ADDITION OF ANY IMPERVIOUS SURFACES. PERMANENT STABILIZATION INCLUDES, BUT MAY NOT BE LIMITED TO: TOPSOIL, SEED, STRAW MULCH AND BINDERS OR EROSION CONTROL BLANKETS ON ALL SEEDING, ALL AGRONOMIC REQUIREMENTS AS SPECIFIED ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN, INSTALLATION OF THE OUTFLOW CONTROL STRUCTURES AND DISCHARGE STORM DRAINAGE PIPING, LOW FLOW CHANNELS, CONDUIT OUTLET PROTECTION, EMERGENCY SPILLWAYS, AND LAP RING PROTECTION.
23. THE RIDING SURFACE OF ALL UTILITY TRENCHES WITHIN PAVED AREAS SHALL BE 3/4" CLEAN STONE OR BASE PAVEMENT UNTIL SUCH TIME AS FINAL PAVEMENT HAS BEEN INSTALLED. TEMPORARY SOIL RIDING SURFACES ARE PROHIBITED.
24. ALL CONSTRUCTION DEWATERING (TRENCHES, EXCAVATIONS, ETC.) MUST BE DONE THROUGH AN INLET OR OUTLET FILTER IN ACCORDANCE WITH THE STANDARD FOR DEWATERING OR AS DEPICTED ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN. DISCHARGE LOCATIONS FOR THE DEWATERING OPERATION MUST CONTAIN PERENNIAL VEGETATION OR SIMILAR STABLE SURFACE.
25. ALL SWALES OR CHANNELS THAT WILL RECEIVE RUNOFF FROM PAVED SURFACES MUST BE PERMANENTLY STABILIZED PRIOR TO THE INSTALLATION OF PAVEMENT. IF THE SEASON PROHIBITS THE ESTABLISHMENT OF PERMANENT STABILIZATION, THE SWALES OR CHANNELS MAY BE TEMPORARILY STABILIZED IN ACCORDANCE WITH THE STANDARDS.
26. NJSA 4:24–39 ET SEQ. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY OR TEMPORARY CERTIFICATE OF OCCUPANCY BE ISSUED BY THE MUNICIPALITY BEFORE THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN SATISFIED. THEREFORE, ALL SITE WORK FOR SITE PLANS AND ALL WORK AROUND INDIVIDUAL LOTS IN SUBDIVISIONS MUST BE COMPLETED BEFORE THE DISTRICT ISSUES A REPORT OF COMPLIANCE OR CONDITIONAL REPORT OF COMPLIANCE, WHICH MUST BE FORWARDED TO THE MUNICIPALITY PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY OR TEMPORARY CERTIFICATE OF OCCUPANCY, RESPECTIVELY.

Civil Engineering Consultant: EEG 1631D

EDWARDS ENGINEERING GROUP
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Architect Date

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Project Owner Name
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Drawn By

Scale

Drawing Name
SOIL EROSION & SEDIMENT CONTROL PLAN

Revisions		
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	10.10.25	NJ DCA SUBMISSION
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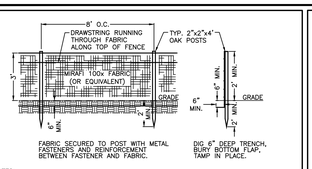
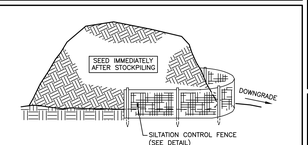


NOTES:
1. ALL SILT FENCE WILL BE INSPECTED AND REMEDIAL MAINTENANCE PERFORMED BY THE CONTRACTOR WITHIN 24 HOURS AFTER EACH RAIN.
2. SEDIMENT SHALL BE REMOVED FROM THE UPSTREAM FACE OF THE BARRIER WHEN IT HAS REACHED A DEPTH OF 1/2 THE BARRIER HEIGHT
3. REPAIR OR REPLACE BARRIER WHEN DAMAGED
4. BARRIERS SHALL BE INSPECTED DAILY FOR SIGNS OF DETERIORATION AND SEDIMENT REMOVAL

TEMPORARY SILTATION CONTROL FENCE
NOT TO SCALE



TYPICAL TOPSOIL STOCKPILE
NOT TO SCALE

CONTRACTOR IS ADVISED THAT DE-WATERING PROCEDURES ARE REQUIRED DURING CONSTRUCTION PRACTICES. ALL DE-WATERING PROCEDURES MUST INCLUDE A METHOD OF REMOVING SEDIMENT PRIOR TO DISCHARGING. SEDIMENT REMOVAL METHODS SHALL FOLLOW STANDARDS FOR SOIL EROSION & SEDIMENT CONTROL IN NEW JERSEY, SECTION 14.

TEMPORARY FILTERS (SMALL IMPOUNDMENTS)

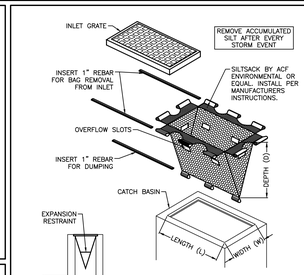
FOR SMALL QUANTITIES OF PONDED WATER SUCH AS MAY BE FOUND IN SHALLOW EXCAVATIONS (SMALL TRENCHES, MANHOLE INSTALLATIONS, ETC.) A SEDIMENT FILTER MAY BE CONSTRUCTED USING COMBINATIONS OF HAY BALES, SMALL CLEAN STONE AND FILTER FABRIC. THIS METHOD IS LIMITED TO SMALL QUANTITIES OF TRAPPED SURFACE WATER AND WHERE SEDIMENTS ARE NOT HIGHLY COLLOIDAL IN NATURE.

SEDIMENT CONTROL BAG

1. BAGS SHALL BE LOCATED FOR EASE OF CLEAN-OUT AND DISPOSAL OF THE TRAPPED SEDIMENT AND TO MINIMIZE INTERFERENCE WITH CONSTRUC-TION ACTIVITIES AND PEDESTRIAN TRAFFIC. BAGS SHALL NOT BE PLACED DIRECTLY INTO RECEIVING WATERS.
2. SEDIMENT CONTROL BAGS SHALL BE DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS. BAGS MAY NOT BE REUSED.

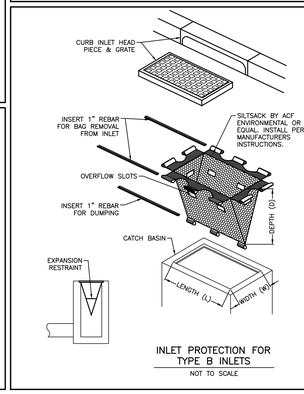
DEWATERING
NOT TO SCALE

INLET PROTECTION FOR TRENCH DRAIN
NOT TO SCALE

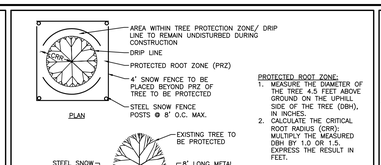


INSTALLATION DETAIL

INLET PROTECTION FOR TYPE A, C OR E INLETS
NOT TO SCALE



INLET PROTECTION FOR TYPE B INLETS
NOT TO SCALE



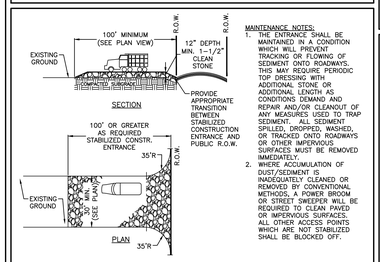
PROTECTED ROOT ZONE:
1. MEASURE THE DIAMETER OF THE TREE 4.5 FEET ABOVE GROUND ON THE UPHILL SIDE OF THE TREE (DBH), IN INCHES.
2. CALCULATE THE CRITICAL ROOT RADIUS (CRR): MULTIPLY THE MEASURED DBH BY 1.0 OR 1.5, EXPRESS THE RESULT IN FEET.

DBH x 1.0: CRR FOR YOUNGER, HEALTHY, OR TOLERANT SPECIES

DBH x 1.5: CRR FOR OLDER, UNHEALTHY, OR SENSITIVE SPECIES

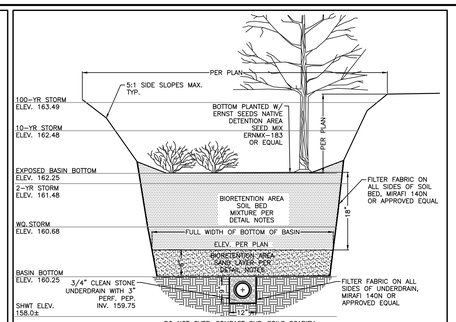
NOTES:
1. TREE PROTECTION SHALL BE PROVIDED FOR ANY AND ALL TREES TO BE PRESERVED DURING AND AFTER CONSTRUCTION. THE CONTRACTOR SHALL TAKE WHATEVER ADDITIONAL MEASURES NECESSARY TO PROTECT EXISTING TREES TO REMAIN AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF MATERIALS OR EXCAVATED MATERIAL WITHIN PRZ, EXCESS FOOT OR VEHICLE TRAFFIC OR PARKING OF VEHICLES WITHIN PRZ.
2. BOARDS WILL NOT BE NAILED TO TREES DURING BUILDING OPERATIONS.
3. FEEDER ROOTS SHOULD NOT BE CUT IN AN AREA INSIDE THE PRZ.
4. DAMAGED TRUNKS OR EXPOSED ROOTS SHOULD HAVE DAMAGED BARK REMOVED IMMEDIATELY AND NO PAINT SHALL BE APPLIED. EXPOSED ROOTS SHOULD BE COVERED WITH TOPSOIL IMMEDIATELY AFTER EXCAVATION IS COMPLETE. ROOTS SHALL BE PRUNED TO GIVE A CLEAN, SHARP SURFACE AMENABLE TO HEALING. ROOTS EXPOSED DURING HOT WEATHER SHOULD BE IRRIGATED TO PREVENT PERMANENT TREE INJURY. CARE FOR SERIOUS INJURY SHOULD BE PRESCRIBED BY A PROFESSIONAL FORESTER OR LICENSED TREE EXPERT.
5. TREE LIMB REMOVAL, WHERE NECESSARY, WILL BE DONE AS NATURAL TARGET PRUNING TO REMOVE THE DESIRED BRANCH AS CLOSE AS POSSIBLE TO THE BRANCH COLLAR. THERE SHOULD BE NO FLUSH CUTS. NO TREE PAINT SHALL BE APPLIED. ALL CUTS SHALL BE MADE AT THE OUTSIDE EDGE OF THE BRANCH COLLAR.

EXISTING TREE PROTECTION
NOT TO SCALE



MAINTENANCE NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO ROADWAYS OR OTHER IMPERVIOUS SURFACES MUST BE REMOVED IMMEDIATELY.
2. WHERE ACCUMULATION OF DUST/SEDIMENT IS INADEQUATELY CLEANED OR REMOVED BY CONVENTIONAL METHODS, A POWER BROOM OR STREET SWEEPER WILL BE REQUIRED TO CLEAN PAVED OR IMPERVIOUS SURFACES. ALL OTHER ACCESS POINTS WHICH ARE NOT STABILIZED SHALL BE BLOCKED OFF.

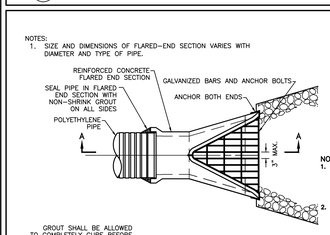
VEHICLE WHEEL-CLEANING BLANKET
NOT TO SCALE

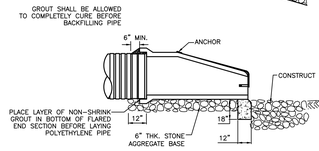


NOTES:
1. THE SOIL BED MATERIAL MUST CONSIST OF THE FOLLOWING MIX, BY WEIGHT: 85 TO 95% SAND, WITH NO MORE THAN 25% OF THE SAND AS FINE OR VERY FINE SANDS; NO MORE THAN 15% SILT AND CLAY WITH 2% TO 5% CLAY CONTENT. THE ENTIRE MIX MUST THEN BE AMENDED WITH 3 TO 7% ORGANICS, BY WEIGHT.
2. PRE-MIXED SOIL MUST BE CERTIFIED TO BE CONSISTENT WITH THE REQUIREMENT ABOVE BY EITHER THE VENDOR OR BY A PROFESSIONAL ENGINEER LICENSED BY THE STATE OF NEW JERSEY. THE CONTENT OF ANY SOIL MIXED ON-SITE MUST BE CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED BY THE STATE OF NEW JERSEY; IN ADDITION, THE ENGINEER MUST BE PRESENT WHILE THE SOIL IS MIXED.
3. THE PH OF THE SOIL BED MATERIAL MUST RANGE FROM 5.5 TO 6.5.
4. THE SOIL BED MATERIAL MUST BE PLACED IN LIFTS NOT TO EXCEED 8 INCHES. ADDITIONAL MATERIALS MAY BE NECESSARY TO ACCOUNT FOR SETTLING OVER TIME.
5. THE SAND LAYER, WHICH ACTS AS A TRANSITION BETWEEN THE SOIL BED AND THE SUBSEQUENT LAYERS, MUST BE AT LEAST 6 INCHES IN DEPTH AND MUST CONSIST OF CLEAN, MEDIUM-AGGREGATE CONCRETE SAND (AASHTO M-6/ASTM C-33), TO ENSURE PROPER SYSTEM OPERATION. THE PERMEABILITY RATE OF THE SAND LAYER MUST BE AT LEAST TWICE THE DESIGN PERMEABILITY RATE OF THE SOIL BED.

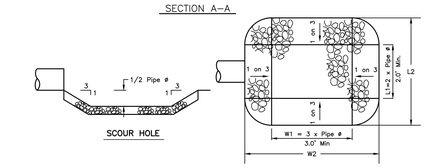
BIORETENTION AREA SECTION

NOTES:
1. SIZE AND DIMENSIONS OF FLARED-END SECTION VARIES WITH DIAMETER AND TYPE OF PIPE.





SECTION A-A



SCOUR HOLE

CONCRETE FLARED END SECTION W/ SCOUR HOLE
NOT TO SCALE

SCOUR HOLE	D	W1	W2	L1	L2	d50	THK
15" FES BASIN 1	0.75'	3.75'	7.5'	2.5'	5.75'	4"	12"
12" FES BASIN 2	0.50'	3.00'	6.0'	2.0'	5.0'	4"	12"
15" FES BASIN 2	0.75'	3.75'	7.5'	2.5'	5.75'	4"	12"
12" FES BASIN 2	0.50'	3.00'	6.0'	2.0'	5.0'	4"	12"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
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Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By

Scale

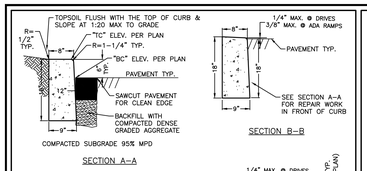
Drawing Name
SOIL EROSION & SEDIMENT CONTROL DETAILS

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	ISSUED FOR BID

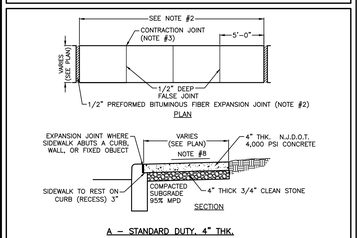
Civil Engineering Consultant: EEG 1631D
EDWARDS ENGINEERING GROUP
AN L2A COMPANY
12.15.25
Date
BETH E. KENDERDINE, P.E.
Professional Engineer NJ. Lic. No. GE45532

Drawing Number
C-7.1



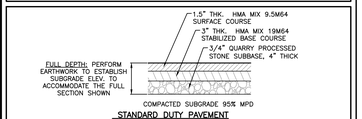
NOTES:
1. CONCRETE TO BE N.J.DOT. 4000 PSI, AIR-ENTRAINED
2. CURB FACE (REVEAL) TO BE 6 INCHES OR PER SPOT ELEVATIONS ON THE GRADING PLAN.
3. PROVIDE PREFORMED BITUMINOUS FIBER EXPANSION JOINTS, 1/2" THICK @ 20 FT. MAX. INTERVAL.
4. ALL DEPRESSED CURBS AT ADA RAMPS MUST BE FLUSH (MAX 3/8" UP). PAINT CURB @ ADA RAMPS BLUE. (SEE NOTE #5 FOR BASIS OF DESIGN PAINT PRODUCT – COLOR BLUE)
5. PAINT CURB YELLOW TO DESIGNATE NO PARKING ZONES. ALL NEW CURBING THAT IS REPLACING EXISTING CURB THAT WAS PAINTED YELLOW TO DELINEATE "NO PARKING AREAS" MUST ALSO BE PAINTED YELLOW "IN-KIND." BASIS OF DESIGN PRODUCT IS RUSTOLEUM SYSTEM 2300 TRAFFIC MARKING PAINT OR APPROVED EQUAL.

1 CONCRETE CURB
NOT TO SCALE



NOTES:
1. PORTLAND CEMENT CONCRETE TO BE NJ DOT, 4,000 PSI, AIR ENTRAINED
2. PROVIDE PREFORMED BITUMINOUS FIBER EXPANSION JOINTS, 1/2" THICK ALONG ALL BUILDING WALLS AND OTHER RIGID SURFACES. THE MAXIMUM SPACING OF EXPANSION JOINTS SHALL BE AS FOLLOWS:
   4" THICK SLAB: 16 FT.
   6" THICK SLAB: 24 FT.
3. CONTROL JOINTS SHALL BE TOOLED TO A DEPTH = 25% OF THE SLAB THICKNESS. CONTROL JOINTS MAY BE SAWCUT WITH AN EARLY ENTRY DRY CUT SAW. SAWCUT LINES SHALL CLEAN AND UNCHIPPED. THE MAXIMUM SPACING SHALL BE AS FOLLOWS:
   4" THICK SLAB: 8 FT.
   6" THICK SLAB: 12 FT.
4. PROVIDE A SLIP RESISTANT FINISH FOR ALL BARRIER FREE ACCESSIBLE ROUTES.
5. STEEL REINFORCEMENT, WHEN SPECIFIED, SHALL BE EPOXY COATED AND PLACED AT THE BOTTOM 1/3 OF SLAB DEPTH.
   6" THICK SLAB: 2 INCHES
6. ALL CONSTRUCTION SHALL BE ON COMPACTED SUBGRADE PER SPECIFICATIONS.
7. ALL JOINTS SHALL BE SEALED WITH EXTERIOR GRADE CONCRETE JOINT SEALER, SUCH AS "CONTRACTORS CONCRETE SEALANT" BY DOW CORNING. SUBSTITUTIONS ARE PERMITTED PROVIDED THAT EQUIVALENCE IS DEMONSTRATED AND COLOR MATCHES ARE COMPARABLE. ALL JOINT SEALANT SHALL BE INSTALLED IN A PROFESSIONAL AND "WORKMANLIKE" MANNER, TRUE TO LINE AND SHALL NOT WAVER NOTICEABLY ALONG JOINTS.
8. MAXIMUM CROSS SLOPE FOR SIDEWALKS IS 2%. SEE GRADING PLAN FOR SLOPES IN PLAZAS AND ALL PAVEMENT AREAS.
9. MAX. RUNNING SLOPE ALONG ANY SIDEWALK OR PLAZA IS 5 PERCENT.
10. CONCRETE SHALL BE DOWELED TO ADJACENT BUILDING FOUNDATION USING #4 GRADE 60 REBARS, MIN. 12" LONG. USE SPEED DOWEL BY GREENSTREAK, OR EQUAL PLACED AT 18" O.C. PROVIDE EXPANSION SLEEVE FOR EACH DOWEL.

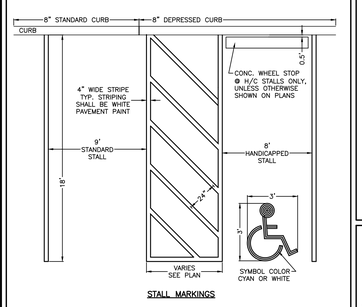
2 CONCRETE PAVEMENT
NOT TO SCALE



STANDARD DUTY PAVEMENT

NOTES:
1. ALL BITUMINOUS PAVEMENT SHALL BE HOT MIX ASPHALT, PER NJ DOT SPECIFICATIONS.
2. IN ALL AREAS WHERE FULL DEPTH PAVEMENT & SUBBASE CONSTRUCTION IS PROPOSED, DEMOLISH EXISTING SURFACES AND EXCAVATE TO REQUIRED SUBGRADE ELEVATIONS BASED UPON GRADES SHOWN ON THE GRADING PLAN.
3. DISPOSE OF ALL WASTE MATERIALS AND EXCESS SOILS IN A LEGAL MANNER OFF SITE.
4. PROVIDE A TACK COAT BETWEEN PAVEMENT COURSES.

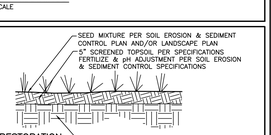
3 BITUMINOUS PAVEMENT (HOT MIX ASPHALT)
NOT TO SCALE



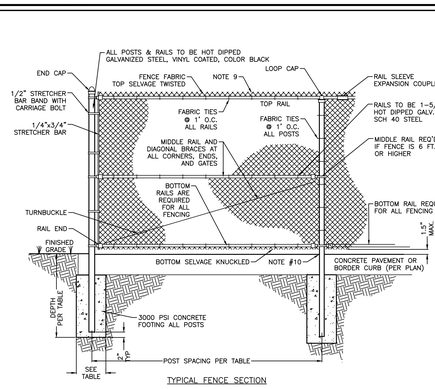
STALL MARKINGS

NOTES:
1. A NORMAL WIDTH LINE SHALL BE 4"-6" WIDE. DOUBLE CENTERLINE SHALL BE 4" STRIPE, 4" GAP, 4" STRIPE.
2. PARKING STALL LINES SHALL BE WHITE, EXCEPT BARRIER-FREE STALLS.
3. ALL PAVEMENT MARKINGS SHALL BE PER PART 3 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
4. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PER NJDOT SPECIFICATIONS, COLOR WHITE, YELLOW, OR BLUE AS SPECIFIED HEREIN, UNLESS NOTES OTHERWISE BY MUTCD.
5. THE PAVEMENT MARKING CONTRACTOR SHALL HAVE AT LEAST 3 YEARS EXPERIENCE WITH NJDOT AND FEDERAL PAVEMENT MARKING REQUIREMENTS.

4 PAVEMENT MARKINGS
NOT TO SCALE



5 LAWN RESTORATION
NOT TO SCALE



TYPICAL FENCE SECTION

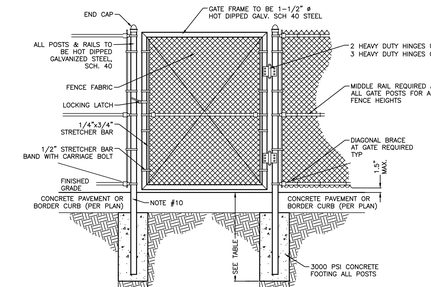
GENERAL NOTES
1. FENCE FABRIC (MESH) TO BLACK, VINYL COATED NO. 9 GALVANIZED STEEL WIRE. FABRIC TO FACE PLAYING FIELD. MESH OPENING SIZE IS 1.75".
2. POST SIZES, STRENGTH, AND SPACING TO BE PER TABLE.
3. ALL FENCE POSTS SHALL BE GALVANIZED STEEL, VINYL COATED, COLOR BLACK. MATERIAL STRENGTH PER TABLE.
4. FENCE OVER 5' HIGH: MIDDLE RAIL IS REQUIRED ON ALL SECTIONS.
5. ALL FENCING & GATES SHALL HAVE BOTTOM RAILS.
6. GATE WIDTHS SHOWN ON THE PLAN ARE CLEAR OPENINGS. ALL GATES SHALL HAVE LOCKING HARDWARE.
7. ALL DOUBLE GATES SHALL HAVE A CANE BOLT STOP WITH MALLEABLE STEEL CENTER STOP (MUSHROOM), BY SIGNET FENCE OR APPROVED EQUAL.
8. THE MAXIMUM GAP BETWEEN THE GROUND AND BOTTOM OF FENCE IS ONE AND ONE HALF (1.5) INCHES.
9. SEE DETAIL #6 FOR SAFETY RAIL CAP TO BE INSTALLED ON 4 FT. HIGH FENCING ALONG THE PERIMETER.
10. PLAN THE LOCATION OF FENCE POSTS TO AVOID UNDERGROUND UTILITIES AND CONDUITS.
11. GATE HEIGHTS SHALL MATCH THE FENCE THEY ADJOIN.

FENCE POST TABLE:

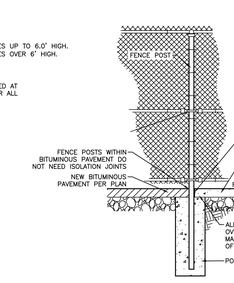
FENCE	STEEL POST MATERIAL	POST SIZE (IN.)	MAX. POST SPACING (FT.)	MIN. POST DEPTH (FT.)	MIN. FOOTING DIAMETER (FT.)
6 FEET	ASTM F1083 (50 KSI)	3	10	4	2.5
8 FEET	ASTM F1083 (50KSI)	3	8	5	3.0

END & CORNER POSTS TO BE ONE SIZE LARGER THAN SHOWN FOR LINE POSTS.

(CW) = FENCE INSTALLED IN CURB WALL SHALL HAVE FOOTING EXTENDED THROUGH THE WALL TO THE DEPTH SHOWN. SEE DETAIL

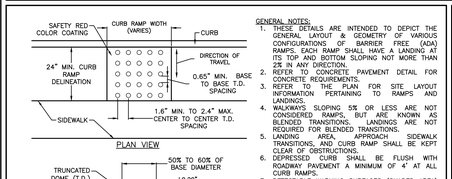


TYPICAL FENCE GATE SECTION



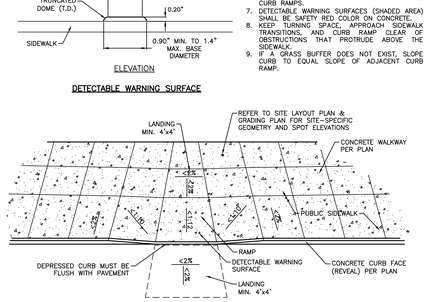
TYPICAL FENCE POSTS SET IN PAVEMENT

6 CHAIN LINK FENCE
NOT TO SCALE

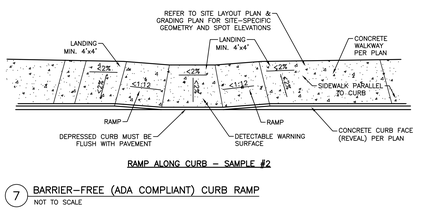


DETECTABLE WARNING SURFACE

GENERAL NOTES:
1. THESE DETAILS ARE INTENDED TO DEPICT THE GENERAL LAYOUT & GEOMETRY OF VARIOUS CONFIGURATIONS OF BARRIER FREE (ADA) RAMPS. EACH RAMP SHALL HAVE A LANDING AT ITS TOP AND BOTTOM SLOPING NOT MORE THAN 2% IN ANY DIRECTION.
2. REFER TO CONCRETE PAVEMENT DETAIL FOR CONCRETE REQUIREMENTS.
3. REFER TO THE PLAN FOR SITE LAYOUT INFORMATION PERTAINING TO RAMPS AND LANDINGS.
4. WALKWAYS SLOPING 5% OR LESS ARE NOT CONSIDERED RAMPS, BUT ARE KNOWN AS BLENDED TRANSITIONS. LANDINGS ARE NOT REQUIRED FOR BLENDED TRANSITIONS.
5. LANDING AREA, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP SHALL BE KEPT CLEAR OF OBSTRUCTIONS.
6. DEPRESSED CURB SHALL BE FLUSH WITH ROADWAY PAVEMENT A MINIMUM OF 4' AT ALL CURB RAMPS.
7. DETECTABLE WARNING SURFACES (SHADED AREA) SHALL BE SAFETY RED COLOR ON CONCRETE.
8. KEEP TURNING SPACE, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP CLEAR OF OBSTRUCTIONS THAT PROTRUDE ABOVE THE SIDEWALK.
9. IF A GRASS BUFFER DOES NOT EXIST, SLOPE CURB TO EQUAL SLOPE OF ADJACENT CURB RAMP.

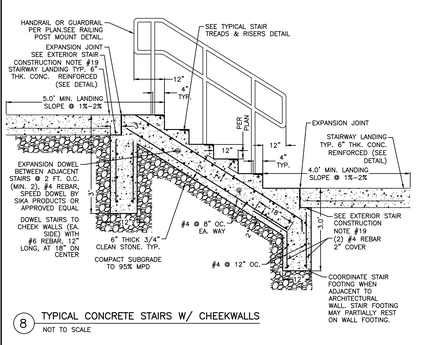


RAMP ALONG CURB – SAMPLE #1

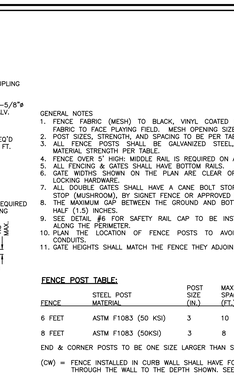


RAMP ALONG CURB – SAMPLE #2

7 BARRIER-FREE (ADA COMPLIANT) CURB RAMP
NOT TO SCALE



8 TYPICAL CONCRETE STAIRS W/ CHEEKWALLS
NOT TO SCALE



WALL HEIGHT	DIM "A"	DIM "B"	DIM "C"	STEM REINFORCEMENT	FOOTING REINF.
UP TO 4'-0"	1'-2"	1'-3"	1'-3"	VERTICAL BACK: #6 BARS @ 18" O.C. FRONT: #4 BARS @ 36" O.C. (REQUIRED TO SUPPORT HORIZONTAL BARS) HORIZONTAL #5 BARS @ 24" O.C. FRONT & REAR	TOE: #6 BARS @ 18" O.C. HEEL: #6 BARS @ 18" O.C. HORIZONTAL: #6 BARS @ 16" O.C. (ONE LAYER ONLY)

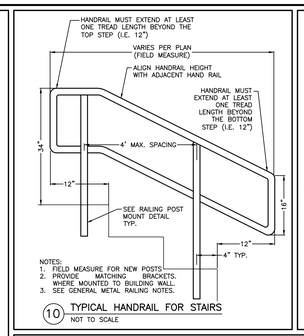
EXPANSION JOINT IN CONCRETE WALL
CONSTRUCT AT 30' MAX. INTERVALS

CONTROL JOINT IN CONCRETE WALL
MIDWAY BETWEEN EXPANSION JOINTS

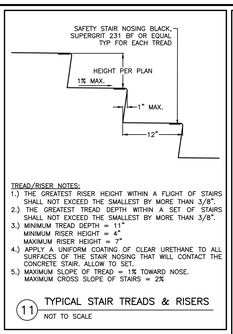
SEAL EXPANSION & CONTROL JOINTS WITH BACKER BEAD & NON-SAG CAULK, POURTHANE, BY WR MEADOWS OR EQUAL. COLOR TO MATCH CONCRETE/MORTAR COLOR.

CAST-IN-PLACE CONCRETE NOTES
1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI–318) LATEST EDITION, AND THE SPECIFICATIONS. ALL CONCRETE WORK SHALL ALSO COMPLY WITH THE LATEST EDITIONS OF THE FOLLOWING ACI PUBLICATIONS: ACI–301, ACI–302, ACI–304, ACI–305, ACI–308, ACI–309, ACI–315, ACI–347, ACI–211.1.
2. MATERIALS SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
   CEMENT, TYPE 1: C153
   AGGREGATES: C33
   REINFORCEMENT: A615
   ADMIXTURES (EXCEPT AIR): C494
   CURING & HARDENING COMPOUND: C309
   READY MIX CONCRETE: C94
   WELDED WIRE FABRIC: A185
3. THE COMPRESSIVE STRENGTH OF THE CONCRETE FOR EACH PORTION OF THE STRUCTURE SHALL BE AS DESIGNATED BELOW.
   (1) NORMAL WEIGHT CONCRETE
   (2) STRENGTH: 4,000 PSI AT 28 DAYS
   (3) AIR CONTENT: 4.5% TO 7.5%
   (4) SLUMP: 1" TO 3"
   (5) ADMIXTURES: WATER REDUCING AGENT (EUCON WR–75)
   (6) W/C RATIO: 0.45 MAXIMUM BY WEIGHT, MINIMUM 5.5 CEMENT BAGS PER CUBIC YARD.
4. A DESIGN MIX SHALL BE PROPORTIONED IN ACCORDANCE WITH SECTION 5.3 (FIELD EXPERIENCE AND/OR TRIAL MIXTURES) OF ACI–318. DESIGN MIX(ES) SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENCED IN THE STATE OF NEW JERSEY AND SUBMITTED FOR THE ENGINEER'S REVIEW PRIOR TO PLACING ANY CONCRETE.
5. CONCRETE SHALL BE PLACED AS NEARLY AS PRACTICABLE IN ITS FINAL POSITION AND CONSOLIDATED BY RODDING, SPADING, OR INTERNAL TYPE OF MECHANICAL VIBRATORS. MECHANICAL VIBRATORS SHALL NOT BE USED TO MOVE CONCRETE LATERALLY.
6. ALL INSERTS, ANCHOR BOLTS, SLEEVES ETC. SHALL BE SET IN PLACE PRIOR TO PLACING CONCRETE.
7. ALL GROUT SHALL BE NON–SHRINK GROUT BY EUCLID CHEMICAL COMPANY OR EQUAL.
8. ALL REINFORCING STEEL SHALL BE EPOXY COATED AND SHALL CONFORM TO ASTM A615, GRADE 60.
9. REINFORCING STEEL, INCLUDING HOOKS AND BENDS, SHALL BE DETAILED IN ACCORDANCE WITH ACI 315. ALL REINFORCING STEEL MARKED CONTINUOUS (CONT.) ON THE PLANS AND DETAILS SHALL BE LAPPED 36 BAR DIAMETERS AT SPLICES UNLESS OTHERWISE NOTED.
10. UNLESS OTHERWISE NOTED, MINIMUM 2" CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT PER SECTION 7.7 OF ACI 318.
11. CONCRETE TESTING SHALL BE MADE BY AN INDEPENDENT LABORATORY ENGAGED BY AND PAID FOR BY THE CONTRACTOR. A SET OF FOUR (4) CYLINDERS TEST AT 7 DAYS (2) AND 28 DAYS (2) IN ACCORDANCE WITH ASTM C39 SHALL BE DOCUMENTED FOR EACH DAYS POUR. SUBMIT RESULTS IN A REPORT FORM FOR THE OWNERS REVIEW.
12. SEAL EXPANSION & CONTROL JOINTS WITH BACKER BEAD & NON–SAG CAULK, POURTHANE, BY WR MEADOWS OR EQUAL. COLOR TO MATCH CONCRETE/MORTAR COLOR.
13. EXPANSION JOINTS SHALL BE CONSTRUCTED AT 30' MAX. INTERVALS, WITH CONTROL JOINTS MIDWAY BETWEEN.
14. INSTALL SLIP DOWELS, SPEED DOWEL BY GREENSTREAK PRODUCTS OR APPROVED EQUAL, WHERE NEW CONCRETE PAVEMENT ABUTS WALL.

9 CONCRETE WALL
NOT TO SCALE

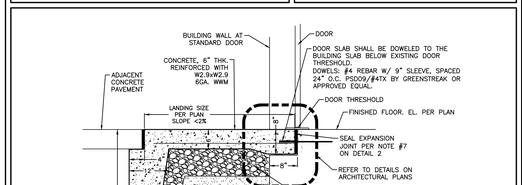


10 TYPICAL HANDRAIL FOR STAIRS
NOT TO SCALE

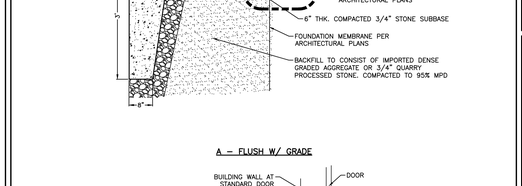


TREAD/RISER NOTES:
1.) THE GREATEST RISER HEIGHT WITHIN A FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8".
2.) THE GREATEST TREAD DEPTH WITHIN A SET OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8".
3.) MINIMUM TREAD DEPTH = 11"
   MINIMUM RISER HEIGHT = 4"
   MAXIMUM RISER HEIGHT = 7"
4.) APPLY A UNIFORM COATING OF CLEAR URETHANE TO ALL SURFACES OF THE STAIR NOSING THAT WILL CONTACT THE CONCRETE STAIR. ALLOW TO SET.
5.) MAXIMUM SLOPE OF TREAD = 1% TOWARD NOSE. MAXIMUM CROSS SLOPE OF STAIRS = 2%

11 TYPICAL STAIR TREADS & RISERS
NOT TO SCALE



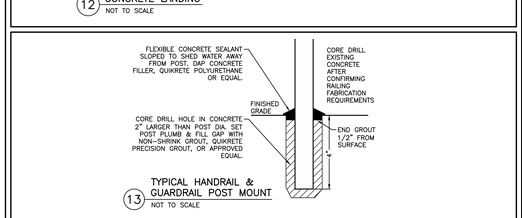
A – FLUSH W/ GRADE



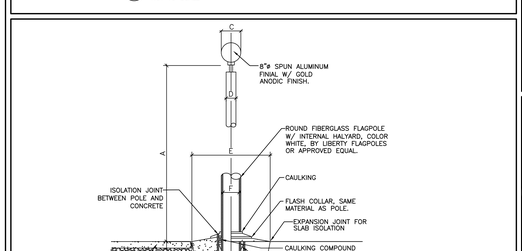
REFER TO CONCRETE PAVEMENT DETAIL FOR STANDARD NOTES THAT APPLY TO CONCRETE WORK SHOWN IN THIS DETAIL

B – W/ RISER

12 CONCRETE LANDING
NOT TO SCALE



13 TYPICAL HANDRAIL & GUARDRAIL POST MOUNT
NOT TO SCALE

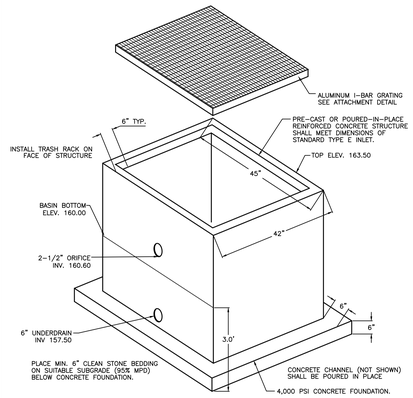


DIMENSIONS

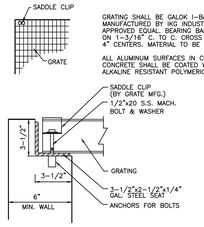
A	B	C	D	E	F	G	H
40'	60"	8"	3\"	48"	8"	10"	30"

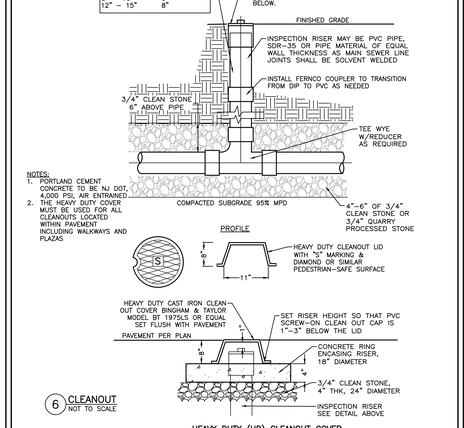
14 FLAG POLE
NOT TO SCALE

EXTERIOR STAIR CONSTRUCTION NOTES:
1. ALL STEEL REINFORCEMENT SHALL BE GRADE 60 ASTM A615, EPOXY COATED, ASTM A775.
2. ALL CONSTRUCTION SHALL CONFORM TO ACI–318 LATEST REVISION, 4,000 PSI, AIR ENTRAINED PORTLAND CEMENT CONCRETE.
3. ALL CONCRETE SHALL BE SEALED IMMEDIATELY AFTER FINISHING WITH ASTM C309, TYPE 1, CLASS A COMPLIANT SEALER.
4



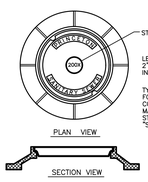
1 ABOVE GROUND OUTFLOW STRUCTURE
NOT TO SCALE





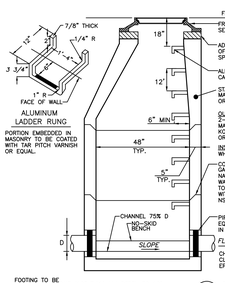
6 CLEANOUT
NOT TO SCALE

HEAVY DUTY (HD) CLEANOUT COVER

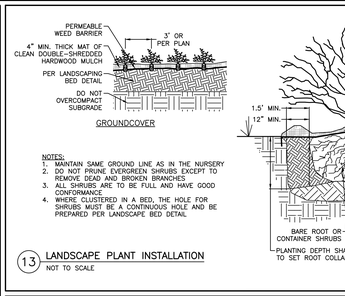


1. MANHOLE FRAME & COVER SHALL BE PATTERN NO. 12028 AS MANUFACTURED BY THE CAMPBELL FOUNDRY CO., OR APPROVED EQUAL.
2. MANHOLE FRAME AND COVER TO BE HEAVY DUTY CONFORMING TO ASTM SPECIFICATION A-48 CLASS 30-B WITH SHOP COAT OF ASPHALTIC PITCH.
3. LOCKING MANHOLE COVER SHALL BE PATTERN NO. 1487 AS MANUFACTURED BY CAMPBELL FOUNDRY CO., OR APPROVED EQUAL.
4. WATERTIGHT MANHOLE FRAME & COVER SHALL REQUIRE SIX (6) STAINLESS STEEL CAP SCREWS IN LID AND FLAT RUBBER GASKET UNDER THE LID. CAMPBELL NO. 1539B OR APPROVED EQUAL.

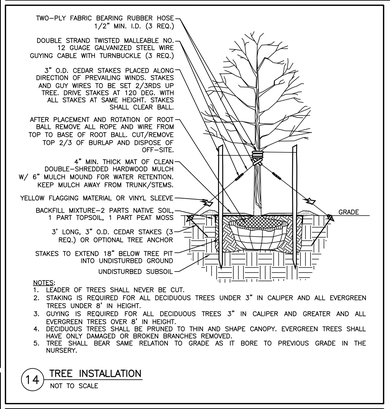
MANHOLE FRAME & COVER
N.T.S.



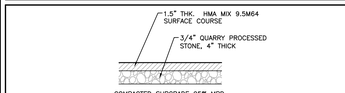
9 PRECAST MANHOLE
SANITARY SEWER



13 LANDSCAPE PLANT INSTALLATION
NOT TO SCALE

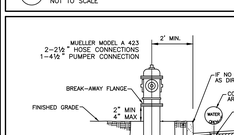


14 TREE INSTALLATION
NOT TO SCALE



NOTES:
1. ALL BITUMINOUS PAVEMENT SHALL BE HOT MIX ASPHALT, PER NJ DOT SPECIFICATIONS.
2. DISPOSE OF ALL WASTE MATERIALS AND EXCESS SOILS IN A LEGAL MANNER OFF SITE.
3. PROVIDE A TACK COAT BETWEEN PAVEMENT COURSES.

15 LIGHT DUTY BITUMINOUS PAVEMENT (HOT MIX ASPHALT)
NOT TO SCALE

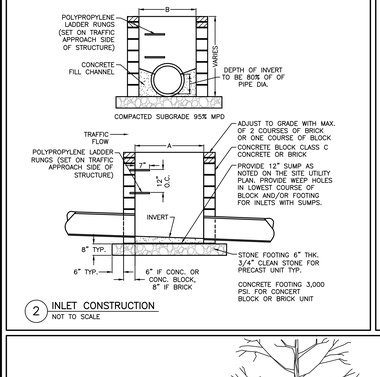


16 HYDRANT ASSEMBLY
NOT TO SCALE

17 CANOPY DRAIN LEADER CONNECTION
NOT TO SCALE

GENERAL NOTES:
1. FOOTING TO BE NJDOT CLASS 'C' CONCRETE, 3000 PSI. FOR PRECAST INLETS USE 6" OF 3/4" CLEAN STONE.
2. CONCRETE CHANNELS (INVERTS) TO BE NJDOT CLASS 'C' CONCRETE, 3000 PSI.
3. IF WALL CONSTRUCTION IS OTHER THAN CONCRETE, THEN THE WALLS SHALL BE PLASTERED INSIDE & OUT WITH A 1/2" THICK CEMENT PLASTER.
4. PROVIDE POLYPROPYLENE LADDER RUNGS AT 12" O.C. MAXIMUM.
5. ALL PRECAST STRUCTURES SHALL RECEIVE BITUMASTIC TAR COAT OUTSIDE ONLY.
6. CASTINGS SHALL BE CAMPBELL CASTING CO. OR AN APPROVED EQUAL. ALL CASTINGS SHALL HAVE BICYCLE SAFE GRATES.
7. PERFORM TEST PITS TO DETERMINE THE ALIGNMENT OF ALL EXISTING PIPES THAT CONNECT TO EACH INLET BEING CONSTRUCTED OR RE-CONSTRUCTED. INLETS BUILT IN PLACE MUST ALSO ACCOMMODATE EXISTING PIPES.
8. INSTALL FERNCO COUPLERS & PVC PIPE SECTIONS TO EXISTING DRAINAGE PIPES AS NEEDED TO EXTEND THE PIPES INTO EACH NEW INLET.
9. ALL INLETS SHALL CONFORM TO NJ DOT SPECIFICATIONS AND DETAILS. INLETS WITH A NJ DOT DESIGNATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH NJ DOT STANDARD DETAILS AS REFERENCED BELOW
10. ALL STRUCTURES AND CASTINGS SHALL BE RATED FOR H-20 LOADING.

TYPE	NJ DOT SHEET#	A	B	CASTING (CAMPBELL)
GENERAL DETAILS	CD-602-1			
NJ DOT TYPE E	CD-602-4	48"	45"	3425
NJ DOT TYPE B	CD-602-2	48"	42"	NO. 2618-B WITH TYPE J CURB (HEAD) "DUMPS NO WASTE- DRAINS TO STREAM" CAST INTO IRON.
AREA DRAIN		24"	24"	3193-1400 ADA
TRENCH		VARIES	24"	4529



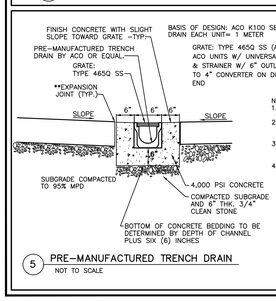
2 INLET CONSTRUCTION
NOT TO SCALE

3 PRECAST MANHOLE–STORM SEWER
NOT TO SCALE

ALUMINUM LADDER RUNG:
PORTION EMBEDDED IN MASONRY TO BE COATED WITH TAR PITCH VARNISH OR EQUAL.
ATLANTIC CONCRETE PRODUCTS CO. (OR EQUAL) TYPE 6081–76 POLYPROPYLENE PLASTIC – M.A. INDUSTRIES INC. NO. PS–4–B (OR EQUAL) WITH 1/2" GRADE 60 STEEL REINFORCEMENT

NOTES:
1. THE SOIL BED MATERIAL MUST CONSIST OF THE FOLLOWING MIX, BY WEIGHT: 85 TO 95% SAND, WITH NO MORE THAN 25% OF THE SAND AS FINE OR VERY FINE SANDS; NO MORE THAN 15% SILT AND CLAY WITH 2% TO 5% CLAY CONTENT. THE ENTIRE MIX MUST THEN BE AMENDED WITH 3 TO 7% ORGANICS, BY WEIGHT.
2. PRE–MIXED SOIL MUST BE CERTIFIED TO BE CONSISTENT WITH THE REQUIREMENT ABOVE BY EITHER THE VENDOR OR BY A PROFESSIONAL ENGINEER LICENSED BY THE STATE OF NEW JERSEY. THE CONTENT OF ANY SOIL MIXED ON–SITE MUST BE CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED BY THE STATE OF NEW JERSEY; IN ADDITION, THE ENGINEER MUST BE PRESENT WHILE THE SOIL IS MIXED.
3. THE PH OF THE SOIL BED MATERIAL MUST RANGE FROM 5.5 TO 6.5.
4. THE SOIL BED MATERIAL MUST BE PLACED IN LIFTS NOT TO EXCEED 8 INCHES. ADDITIONAL MATERIALS MAY BE NECESSARY TO ACCOUNT FOR SETTLING OVER TIME.
5. THE SAND LAYER, WHICH ACTS AS A TRANSITION BETWEEN THE SOIL BED AND THE SUBSEQUENT LAYERS, MUST BE AT LEAST 6 INCHES IN DEPTH AND MUST CONSIST OF CLEAN, MEDIUM–AGGREGATE CONCRETE SAND (AASHTO M–6/ASTM C–33), TO ENSURE PROPER SYSTEM OPERATION, THE PERMEABILITY RATE OF THE SAND LAYER MUST BE AT LEAST TWICE THE DESIGN PERMEABILITY RATE OF THE SOIL BED.

4 BIORETENTION AREA SECTION



BASIS OF DESIGN: ACO K100 SERIES CHANNEL DRAIN EACH UNIT= 1 METER
GRATE: TYPE 465Q SS (ADA)
ACO UNITS W/ UNIVERSAL END CAP & STRAINER W/ 6" OUTLET & 6" TO 4" CONVERTER ON DOWNSTREAM END

NOTES:
1. PORTLAND CEMENT CONCRETE TO BE NJ DOT, 4,000 PSI, AIR ENTRAINED
2. ALL CONSTRUCTION SHALL BE ON COMPACTED SUBGRADE PER SPECIFICATIONS.
3. SAWCUT CONTROL JOINTS ALONG DRAIN AS RECOMMENDED BY THE MANUFACTURER.
4. SEAL ALL EXPANSION JOINTS (NEATLY) IN A WORKMANLIKE MANNER WITH SELF LEVELING POLYURETHANE EXTERIOR JOINT SEALANT, QUIK–RETE SEALANT 8660, SIKAFLEX OR EQUAL.

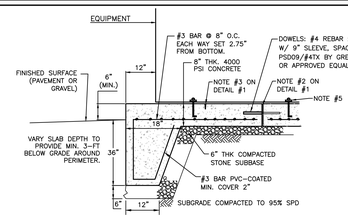
5 PRE–MANUFACTURED TRENCH DRAIN
NOT TO SCALE

NOTES:
1. SIZE AND DIMENSIONS OF FLARED–END SECTION VARIES WITH DIAMETER OF PIPE PIPE.

NOTES:
1. STONES FOR RIP–RAP SHALL BE COMPOSED OF A WELL GRADED MIXTURE OF DURABLE ROCK SUCH THAT 50% OF THE MIXTURE BY WEIGHT SHALL BE LARGER THAN A d_{50} STONE DIAMETER. THE MIXTURE SHALL CONTAIN A SUFFICIENT MIXTURE OF OTHER STONES TO FILL THE VOIDS. THE DIA. OF THE LARGEST STONE SIZE SHALL BE $1.5d_{50}$.

7 CONCRETE FLARED END SECTION W/ SCOUR HOLE
NOT TO SCALE

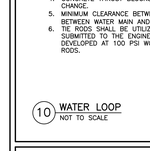
SCOUR HOLE	D	W1	W2	L1	L2	d50	THK
15" FES BASIN 1	0.75'	3.75'	7.5'	2.5'	5.75'	4"	12"
12" FES BASIN 2	0.50'	3.00'	6.0'	2.0'	5.0'	4"	12"
15" FES BASIN 2	0.75'	3.75'	7.5'	2.5'	5.75'	4"	12"
12" FES BASIN 2	0.50'	3.00'	6.0'	2.0'	5.0'	4"	12"



1. PROVIDE TRANSVERSE BRUSH–GROOVED FINISH ON CONCRETE SURFACES SUBJECT TO PEDESTRIAN TRAFFIC.
2. DIVIDE LARGE SLABS INTO SEPARATE SLABS NOT EXCEEDING 20 FEET ACROSS.
3. PROVIDE EXPANSION JOINTS ALONG ABUTTING SLAB SECTIONS.
4. EXPANSION JOINT MATERIAL SHALL BE A PREMOLDED ASPHALT IMPREGNATED FIBEROUS MATERIAL MEASURING 1/2" THICK.
5. SECURE EQUIPMENT TO PAD PER EQUIPMENT MANUFACTURER'S INSTRUCTIONS.
6. PROVIDE FOAM ISOLATION JOINTS AROUND PIPE PENETRATIONS.

8 UTILITY PAD DETAIL

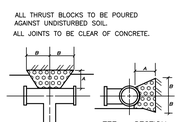
1. WATER MAIN MAY BE LOOPED ABOVE OBSTRUCTION, IF 3' MINIMUM COVER IS MAINTAINED ABOVE WATER MAIN.
2. WATER MAIN SHALL BE DUCTILE IRON CEMENT LINED PIPE, ALL JOINTS SHALL BE MECHANICAL JOINT OR PUSH–ON AND ALL FITTINGS BE MECHANICALLY JOINT CAST IRON.
3. OFFSETS MAY BE SUBSTITUTED FOR A "T" OF UP TO 24' IF APPROVED BY THE ENGINEER.
4. CONCRETE THRUST BLOCKS SHALL BE PROVIDED AT ALL BENDS OR OTHER POINTS OF PIPE DIRECTION CHANGE.
5. MINIMUM CLEARANCE BETWEEN SANITARY SEWER AND WATER MAIN SHALL BE 18" MIN. CLEARANCE BETWEEN WATER MAIN AND OTHER OBSTRUCTIONS SHALL BE 6".
6. TIE RODS SHALL BE UTILIZED TO RESTRAIN PIPE JOINTS. DETAILS OF THE TIE ROD ASSEMBLY SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. TIE RODS SHALL BE SUFFICIENT TO RESTRAIN THE THRUST DEVELOPED AT 100 PSI WORKING PRESSURE. MEGALUG RESTRAINT ALSO ACCEPTABLE IN PLACE OF TIE RODS.



MECHANICAL JOINTS			
ANGLE	D =	R =	L =
45°	T x 1.414	T x 1.000	D–2A
22.5°	T x 2.613	T x 2.414	D–2A
11.25°	T x 5.126	T x 5.027	D–2A

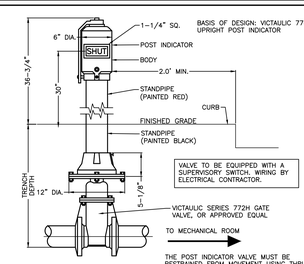
10 WATER LOOP
NOT TO SCALE

ALL THRUST BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL.
ALL JOINTS TO BE CLEAR OF CONCRETE.



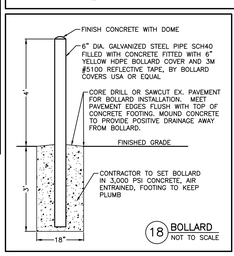
PIPE DIA.	FITTING	A	B
4"/6"	90° BENDS & TEES 11–1/4° TO 45°	16"	14"
8"	90° BENDS & TEES 11–1/4° TO 45°	16"	12"
		16"	18"
10"	90° BENDS & TEES 11–1/4° TO 45°	16"	16"
		24"	24"
12"	90° BENDS & TEES 11–1/4° TO 45°	18"	18"
		24"	28"
16"	90° BENDS & TEES 11–1/4° TO 45°	20"	20"
		24"	36"
		24"	28"

11 CONCRETE THRUST BLOCKS
NOT TO SCALE



BASIS OF DESIGN: VICTAULIC 774 UPRIGHT POST INDICATOR

12 POST INDICATOR VALVE
NOT TO SCALE



18 BOLLARD
NOT TO SCALE

Civil Engineering Consultant: EEG 1631D
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AN L2A COMPANY
BETH E. KENDERDINE, P.E. 12.15.25
Professional Engineer N.J. Lic. No. GE45532

NJDCA Electronic Release Stamp

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Fraytak Veisz Hopkins Duthie PC

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By

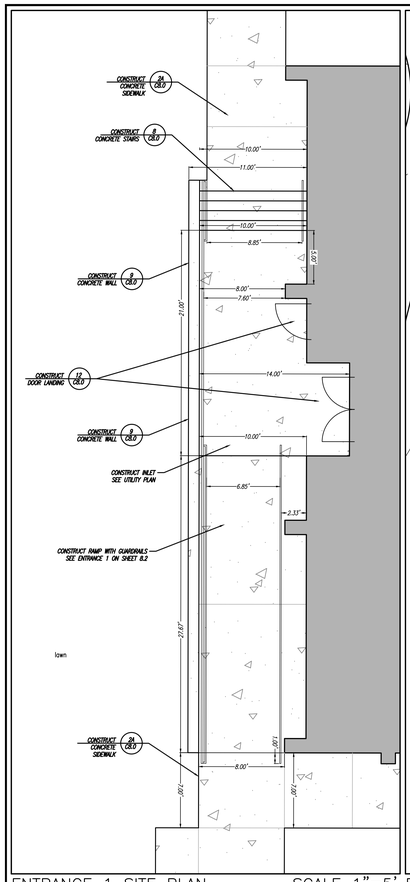
Scale

Drawing Name
DETAILS

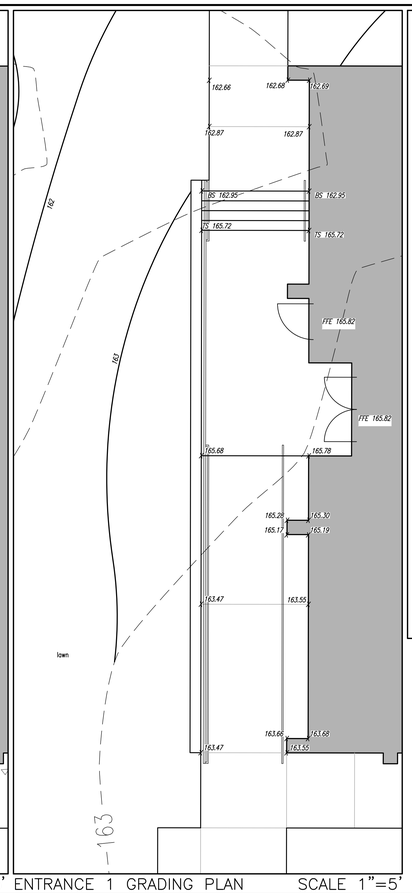
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	ISSUED FOR BID

Drawing Number
C-8.1



ENTRANCE 1 SITE PLAN SCALE 1"=5'



ENTRANCE 1 GRADING PLAN SCALE 1"=5'

KRAKEN FILTER DESIGN NOTES

- KRAKEN FILTER TREATMENT CAPACITY VARIES BY CARTRIDGE COUNT AND LOCALLY APPROVED SURFACE AREA SPECIFIC FLOW RATE. PEAK CONVEYANCE CAPACITY TO BE DETERMINED BY ENGINEER OF RECORD
- A 6' x 12' PEAK DIVERSION STYLE KRAKEN FILTER (KPTD0612) IS SHOWN WITH THE MAXIMUM NUMBER OF CARTRIDGES (96) AND IS AVAILABLE IN A LEFT INLET (AS SHOWN) OR A RIGHT INLET CONFIGURATION
- ALL PARTS AND INTERNAL ASSEMBLY PROVIDED BY CONTECH UNLESS NOTED OTHERWISE

CARTRIDGE HEIGHT	30"	20"	10"
RECOMMENDED HYDRAULIC DROP (ft)	38.5"	28.5"	18.5"
SPECIFIC FLOW RATE (gpm/sf)	0.10	0.10	0.10
CARTRIDGE FLOW RATE (gpm)	17	10.6	4.9

FRAME AND COVER
(DIAMETER MAY VARY)
(NOT TO SCALE)

ACCESS HATCH
(48" SQUARE)
(NOT TO SCALE)

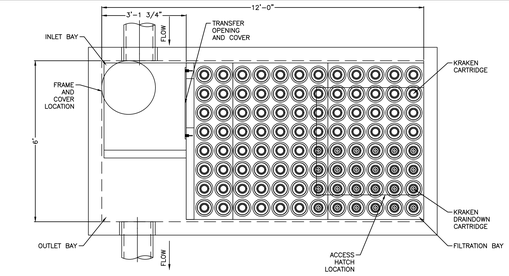
RIM TO SYSTEM INVERT

CARTRIDGE HEIGHT	MIN. HEIGHT	MAX. HEIGHT
10"	3'-0"	4'-10"
20"	3'-6"	4'-10"
30"	4'-4"	4'-10"

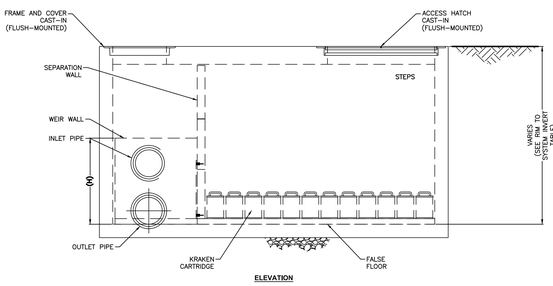
GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS, ACTUAL DIMENSIONS MAY VARY.
3. ALTERNATE DIMENSIONS ARE IN MILLIMETERS [mm] UNLESS NOTED OTHERWISE.
4. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH REPRESENTATIVE, www.ContechES.com
5. KRAKEN FILTER WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
6. STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 0' AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.

INSTALLATION NOTES
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE KRAKEN FILTER STRUCTURE.
C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL SECTIONS AND ASSEMBLE STRUCTURE.
D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH OUTLET PIPE INVERT WITH OUTLET BAY FLOOR.
E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.
F. CONTRACTOR TO REMOVE THE TRANSFER OPENING COVER WHEN THE SYSTEM IS ACTIVATED.

1 MANUFACTURED TREATMENT DEVICE
NOT TO SCALE



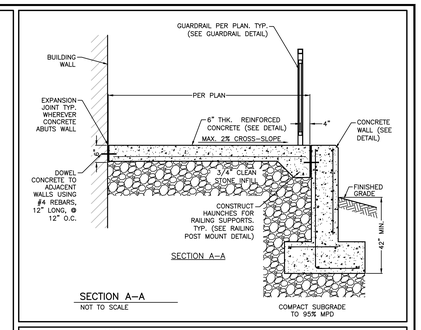
PLAN



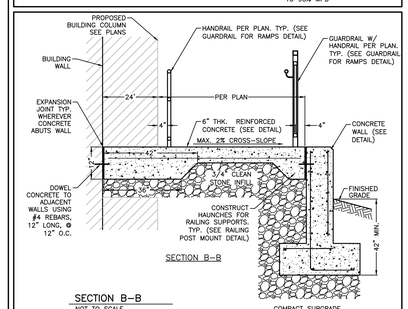
ELEVATION

NOTE:
THE HORIZONTAL DATUM IS BASED UPON THE NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83. THE VERTICAL DATUM IS BASED UPON NAVD88. BOTH DATUMS WERE ESTABLISHED BY TAKING STATIC GPS OBSERVATIONS ON KNOWN SURVEY CONTROL POINTS AND THEN SUBMITTING THE DATA TO OPUS RS FOR POST-PROCESSING

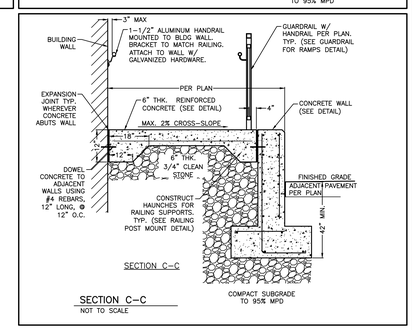
0 5 10 15
SCALE: 1"=5'



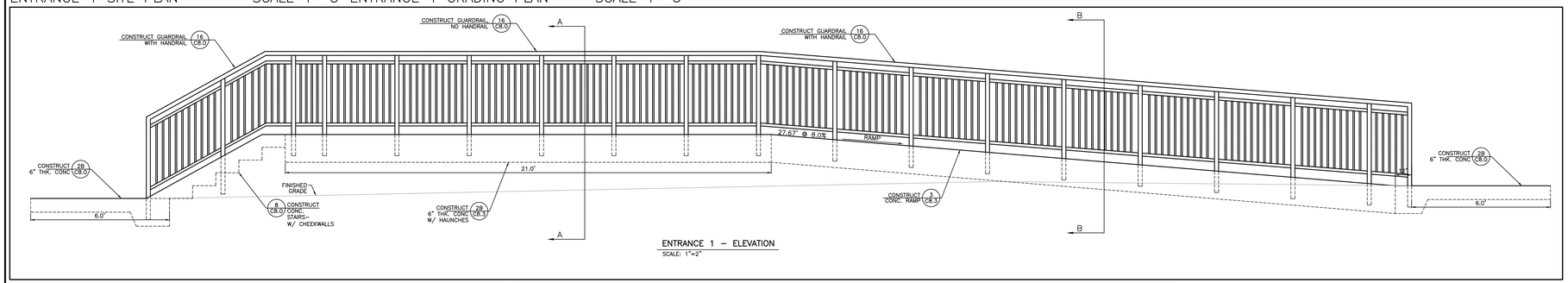
SECTION A–A
NOT TO SCALE



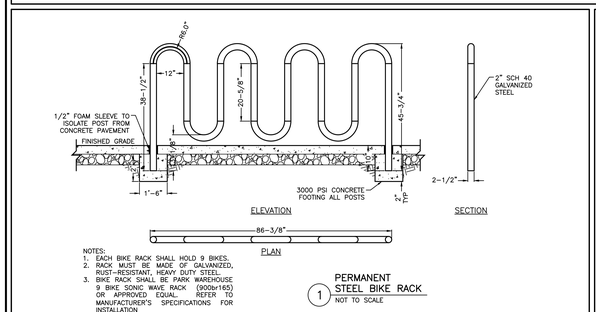
SECTION B–B
NOT TO SCALE



SECTION C–C
NOT TO SCALE

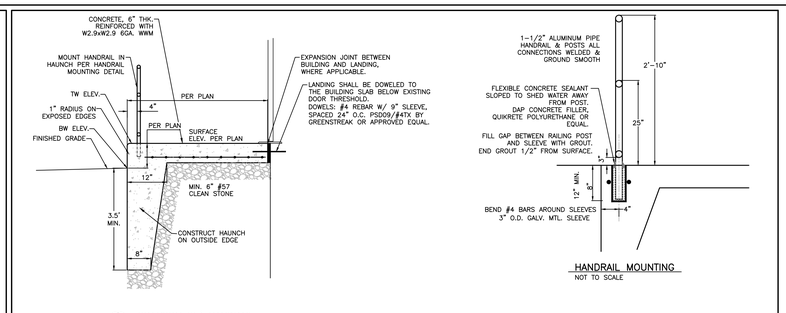


ENTRANCE 1 – ELEVATION
SCALE: 1"=2"



NOTES:
1. EACH BIKE RACK SHALL HOLD 9 BIKES.
2. RACK MUST BE MADE OF GALVANIZED, RUST-RESISTANT, HEAVY DUTY STEEL.
3. BIKE RACK SHALL BE PARK WAREHOUSE 9 BIKE SONIC WAVE RACK (900br165) OR APPROVED EQUAL. REFER TO MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION

1 PERMANENT STEEL BIKE RACK
NOT TO SCALE



2 WALKWAY W/ HANDRAIL
NOT TO SCALE

HANDRAIL MOUNTING
NOT TO SCALE

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A001700/20 | PA - RA012520X
GEORGE R. DUTHIE JR., AIA, PP
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STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21AE00511/00 | PA - RA414583
Architect
10/10/25
Date

FVHD Architects Planners
Fraytak Veisz Hopkins Duthie P.C.
Corporate: 1515 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By

Scale

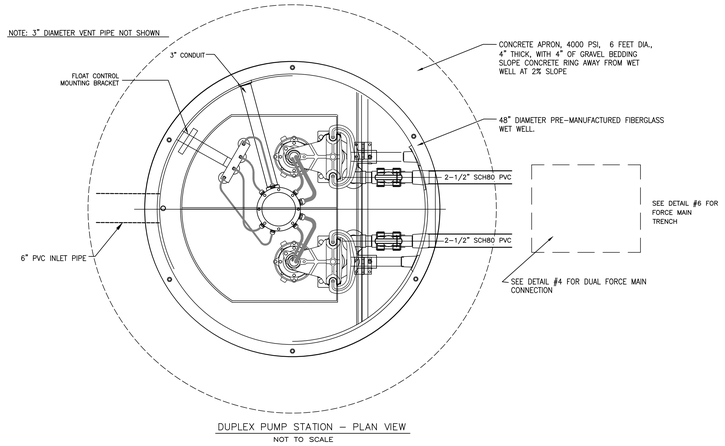
Drawing Name
DETAILS

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	ISSUED FOR BID

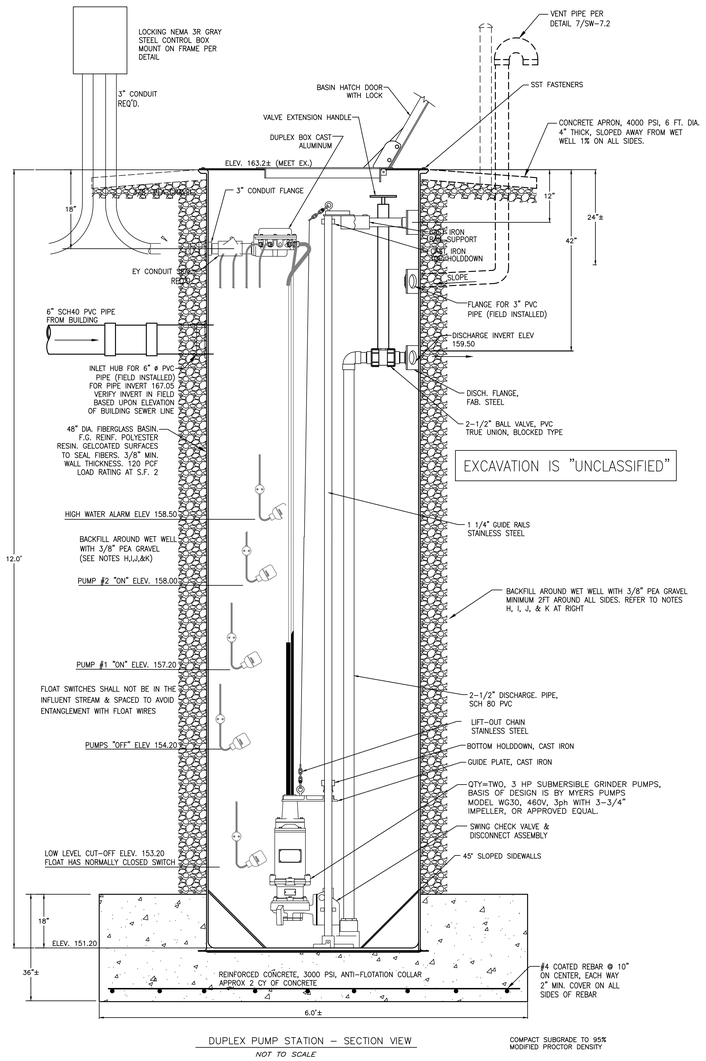
Drawing Number
C-8.2

Civil Engineering Consultant: EEG 1631D
EDWARDS ENGINEERING GROUP
AN L2A COMPANY
12.15.25
BETH E. KENDERDINE, P.E. Date
Professional Engineer NJ. Lic. No. GE45532



DUPLEX PUMP STATION – PLAN VIEW

NOT TO SCALE



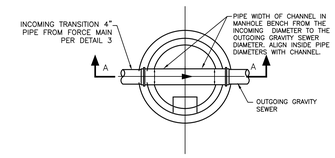
DUPLEX PUMP STATION – SECTION VIEW

NOT TO SCALE

COMPACT SUBGRADE TO 95% MODIFIED PROCTOR DENSITY

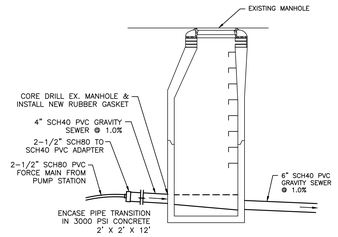
1 DUPLEX GRINDER PUMP STATION

NOT TO SCALE



TRANSITION MANHOLE BENCH

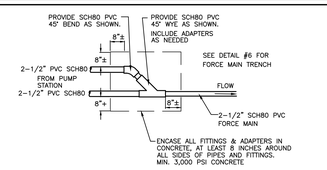
PLAN VIEW



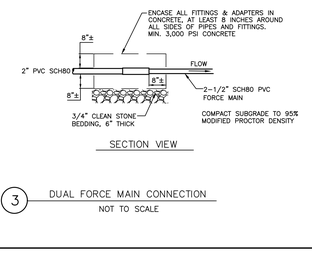
TRANSITION MANHOLE SECTION A–A

2 CONNECTION TO EX. MANHOLE

NOT TO SCALE



PLAN VIEW



SECTION VIEW

3 DUAL FORCE MAIN CONNECTION

NOT TO SCALE

GENERAL NOTES

A. THE CONTRACTOR SHALL FURNISH, DELIVER, AND INSTALL A PRE–MANUFACTURED DUPLEX GRINDER PUMP STATION FOR THE PROJECT. THE MINIMUM WET WELL SIZE AND PUMP CONFIGURATION ARE SHOWN. THE BASIS OF DESIGN INCLUDES THE FOLLOWING, AS A MINIMUM:

1. ONE UNIT CONTAINING TWO PUMPS AND ALL NECESSARY PARTS AND EQUIPMENT SHALL BE INSTALLED IN A FIBERGLASS REINFORCED POLYESTER TANK SUITABLE FOR UNDERGROUND OUTDOOR INSTALLATION.
2. ALL EQUIPMENT SHALL BE FACTORY INSTALLED EXCEPT FOR EXTERNALLY MOUNTED CONTROL PANEL, PUMPING UNIT, AND GRAVITY SEWER INLET HUB, WHICH ARE TO BE INSTALLED IN THE FIELD.
3. THE INSTALLING CONTRACTOR SHALL FURNISH ALL REQUIRED CONDUCTORS AND WIRING PER CURRENT DEMAND AND POWER LOSS AS PER THE NEC, LATEST EDITION. THIS ALSO INCLUDES LOW VOLTAGE ALARM SYSTEM WIRING BETWEEN THE PUMP STATION, PUMP CONTROL PANEL, ELECTRICAL PANEL ROOM, AND TO A SUITABLE LOCATION IN THE SCHOOL WHERE DAILY MONITORING CAN OCCUR. THE ALARM SYSTEM WILL PROVIDE MONITORING OF UP TO 3 PUMP FAILURE CONDITIONS, PER THE PROJECT SPECIFICATIONS.
4. THE CONTRACTOR SHALL VERIFY SUPPLY VOLTAGE AND PHASE BEFORE ORDERING THE PUMPS AND CONTROL PANEL. ALL WIRE INSULATION SHALL BE RATED AT 600V.

B. THE PRE–MANUFACTURED PUMP STATION SHALL INCLUDE THE BASIN, BASIN COVER, GRINDER PUMPS AND MOTORS, QUICK DISCONNECT RAIL SYSTEMS, CHECK VALVES, JUNCTION BOX, START–STOP LEVEL CONTROLS, MOTOR HIGH TEMPERATURE SHUT–OFF, MOTOR SEAL LEAK ALARM, HIGH WATER ALARM, LOW LEVEL CUTOFF & ALARM, ALL INTERNAL WIRING TERMINATING INTO JUNCTION BOXES, SHUTOFF VALVE, SCHEDULE 80 PVC DISCHARGE PIPING AND FITTINGS AS NEEDED.

1. ALL WIRING BETWEEN THE PUMP STATION CONTROL PANEL AND THE BUILDING–MOUNTED CONTROL BOX SHALL BE INSTALLED IN ELECTRICAL CONDUITS, SIZED PER NEC. INCLUDE CONDUIT SEALS IN ALL CONDUITS THAT CONNECT TO THE WET WELL.
2. THE PUMP STATION INSTALLER SHALL INCLUDE ALL CONDUCTORS & CONTROL WIRING BETWEEN THE PUMPS AND BUILDING–MOUNTED CONTROL PANEL. REFER TO ELECTRICAL PLANS FOR POWER SUPPLY WIRING FROM THE BUILDING TO THE CONTROL PANEL. WIRING BETWEEN THE CONTROL PANEL CONTACTORS AND PUMPS SHALL BE SIZED PER NEC.

C. ALL UNITS REQUIRED FOR THIS PROJECT SHALL BE OF THE SAME BRAND AND SHALL BE IDENTICAL N ALL ASPECTS.

D. ADDITIONAL REQUIREMENTS AND OPTIONS ARE DESCRIBED IN FURTHER DETAIL IN THE PROJECT SPECIFICATIONS.

E. THE CONTRACTOR SHALL DELIVER 2 ORIGINAL MANUALS FOR THE PUMP STATION, CONTROL PANEL, MONITORING EQUIPMENT, ETC..., TO THE OWNER AT THE COMPLETION OF THE PROJECT. THE MANUAL(S) SHALL INCLUDE MAINTENANCE, OPERATION, TROUBLESHOOTING, AND TECHNICAL REFERENCE MATERIALS.

F. THE PUMP STATION DETAIL IS INTENDED TO ILLUSTRATE THE GENERAL CONFIGURATION OF ITS COMPONENTS. THE EXACT ORIENTATION OF INLET PIPES, DISCHARGE PIPES, VENT PIPING, AND CONDUIT PENETRATIONS SHALL BE BASED UPON THE GEOMETRY SHOWN ON THE PLANS.

G. ALL QUANTITIES OF PARTS, EQUIPMENT AND WIRING SHALL BE FOR A DUPLEX PUMP STATION.

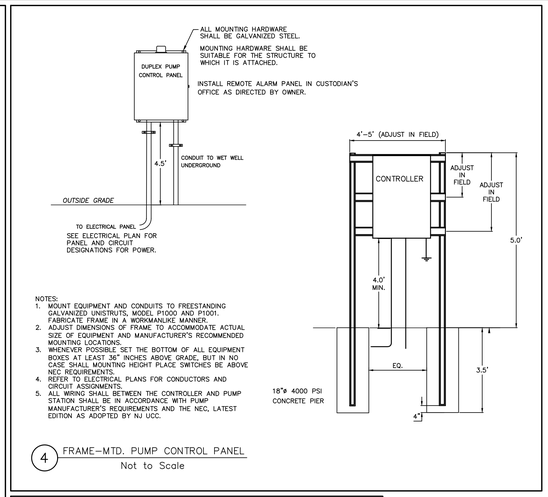
H. THE CONTRACTOR MUST FOLLOW THE MANUFACTURER'S INSTRUCTIONS ON BACKFILLING AGAINST THE FIBERGLASS WET WELL TO AVOID STRESSING THE STRUCTURE.

I. ALL EXCAVATION WORK INCLUDING SHORING AND DEWATERING IS TO BE INCLUDED IN THE BASE BID PRICE.

J. THE CONTRACTOR MAY ENCOUNTER GROUND WATER WHEN EXCAVATING FOR THE WET WELL. THEREFORE, SUITABLE PUMPS SHALL BE AVAILABLE ON SITE TO REMOVE THE GROUND WATER DURING THE INSTALLATION OF THE PUMP STATION UNTIL THE CONCRETE ANTI–FLOTATION IS SET.

K. INCLUDE ALL REQUIRED ADAPTERS, COUPLERS AND FITTINGS AS NEEDED TO INSTALL THE PUMP STATION IN ACCORDANCE WITH THE DESIGN INTENT.

L. THE CONTRACTOR SHALL PROVIDE SHORING WHEN EXCAVATING FOR THE WET WELL TO PROTECT ALL EXISTING STRUCTURES AND BUILDING FOOTINGS.

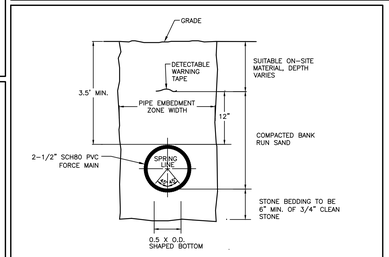


NOTES:

1. MOUNT EQUIPMENT AND CONDUITS TO FREESTANDING GALVANIZED UNISTRUTS, MODEL P1000 AND P1001. FABRICATE FRAME IN A WORKMANLIKE MANNER.
2. ADJUST DIMENSIONS OF FRAME TO ACCOMMODATE ACTUAL SIZE OF EQUIPMENT AND MANUFACTURER'S RECOMMENDED MOUNTING LOCATIONS.
3. WHENEVER POSSIBLE SET THE BOTTOM OF ALL EQUIPMENT BOXES AT LEAST 36" INCHES ABOVE GRADE, BUT IN NO CASE SHALL MOUNTING HEIGHT PLACE SWITCHES BE ABOVE NEC REQUIREMENTS.
4. REFER TO ELECTRICAL PLANS FOR CONDUCTORS AND CIRCUIT ASSIGNMENTS.
5. ALL WIRING SHALL BETWEEN THE CONTROLLER AND PUMP STATION SHALL BE IN ACCORDANCE WITH PUMP MANUFACTURER'S REQUIREMENTS AND THE NEC, LATEST EDITION AS ADOPTED BY NJ UCC.

4 FRAME–MTD. PUMP CONTROL PANEL

Not to Scale

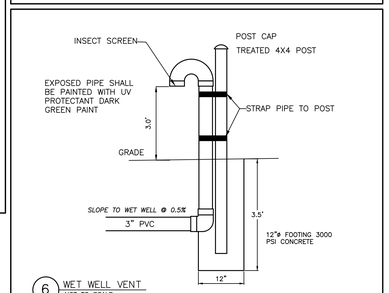


NOTES:

1. HYDROHAMMERS ARE NOT TO BE USED 3' OR LESS FROM TOP OF PIPE.
2. ALL SOIL SHALL BE COMPACTED TO MIN. 95% MODIFIED PROCTOR DENSITY PER ASTM D1557.

5 FORCE MAIN TRENCH

NOT TO SCALE



6 WET WELL VENT

NOT TO SCALE

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A01706000 | PA - RA012520X

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Architect 10/10/25 Date

FVHDPC.COM
Frayiak Veisz Hopkins Duthie PC
Corporate: 1515 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453

Project Name

Addition and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Lane, Princeton, NJ 08540

Project Number

5516B

Project Date

10.10.2025

Checked By

GRD

Drawn By

Scale

Drawing Name

DETAILS

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	ISSUED FOR BID

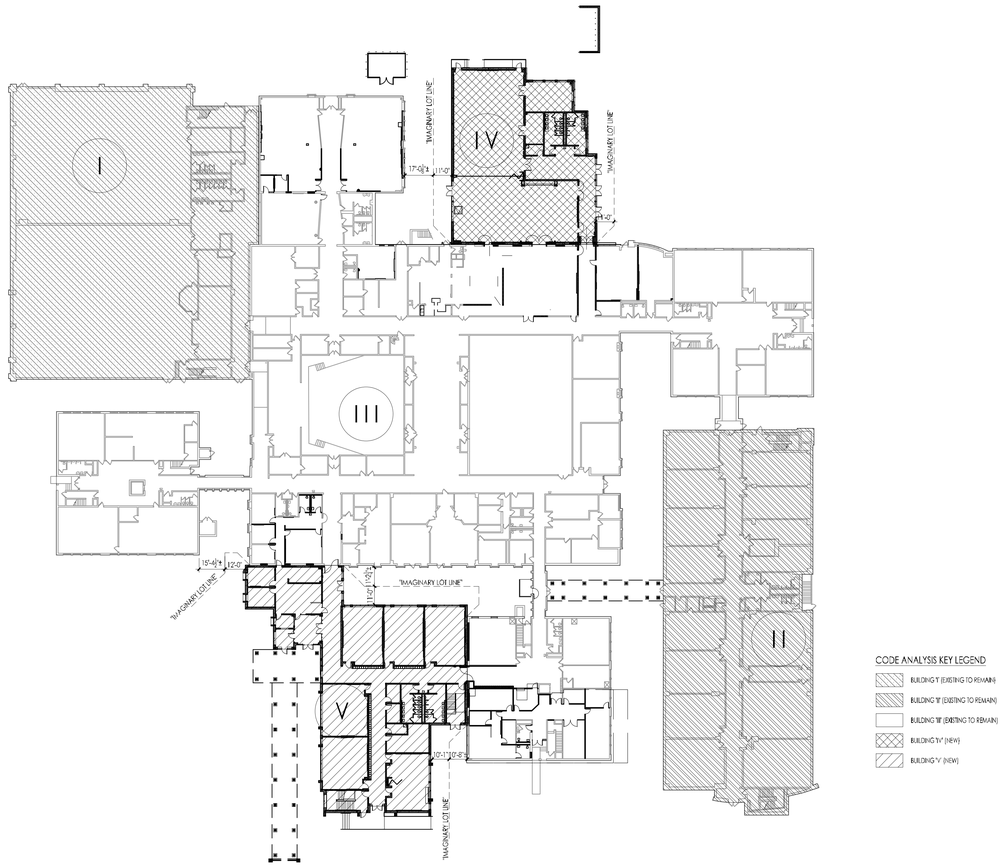
Civil Engineering Consultant: EEG 1631D

EDWARDS ENGINEERING GROUP
AN L2A COMPANY

BETH E. KENDERDINE, P.E. 12.15.25 Date
Professional Engineer NJ. Lic. No. GE45532

Drawing Number

C-8.3



Code Analysis Key Plan - First Floor

Scale: 1/32" = 1'-0"

Code Analysis Key Plan - Second Floor

Scale: 1/32" = 1'-0"

PROJECT CODE INFORMATION

THIS PROJECT WAS DESIGNED UNDER THE FOLLOWING CODES:

CONSTRUCTION CODE (ALTERATIONS) -	NEW JERSEY REHAB. SUBCODE 5:23-6
BUILDING SUBCODE -	INTERNATIONAL BUILDING CODE 2021 - NJ EDITION
BARRIER-FREE SUBCODE -	N.J.A.C. 5:23-7 AND ICC-ANSI A117.1-2017
PLUMBING SUBCODE -	NATIONAL STANDARD PLUMBING SUBCODE 2021
MECHANICAL SUBCODE -	INTERNATIONAL MECHANICAL CODE 2021
ELECTRICAL SUBCODE -	NATIONAL ELECTRICAL CODE 2020
FUEL GAS SUBCODE -	INTERNATIONAL FUEL GAS CODE 2021
ENERGY CONSERVATION SUBCODE -	ASHRAE 90.1 2019

BUILDING INFORMATION

SEE REHABILITATION KEY PLAN ON DRAWING A004.

DESCRIPTION:	NEW CAFETERIA AND MULTI-PURPOSE ROOM ADDITION
CLASSIFICATION OF WORK:	NEW CONSTRUCTION PER IBC-2021 NEW JERSEY EDITION
DESCRIPTION:	NEW CLASSROOM AND MAIN OFFICE ADDITION
CLASSIFICATION OF WORK:	NEW CONSTRUCTION PER IBC-2021 NEW JERSEY EDITION
DESCRIPTION:	ALTERATIONS AT ART DEPARTMENT
CLASSIFICATION OF WORK:	ALTERATIONS PER NJ REHABILITATION SUBCODE 5:23-6.6
DESCRIPTION:	ALTERATIONS AT EXISTING ADMINISTRATION OFFICES
CLASSIFICATION OF WORK:	ALTERATIONS PER NJ REHABILITATION SUBCODE 5:23-6.6
DESCRIPTION:	ALTERATIONS AT EXISTING CAFETERIA AND FACILITY DINING
CLASSIFICATION OF WORK:	ALTERATIONS PER NJ REHABILITATION SUBCODE 5:23-6.6
DESCRIPTION:	ALTERATIONS AT EXISTING MUSIC ROOM AREA
CLASSIFICATION OF WORK:	ALTERATIONS PER NJ REHABILITATION SUBCODE 5:23-6.6

OCCUPANCY CLASSIFICATION & USE (IBC NJ EDITION CHPT. 3)

OCCUPANCY USE GROUP:	PUBLIC SCHOOL E	IBC SECTION 305.1

SPECIAL REQUIREMENTS BASED ON OCCUPANCY & USE (IBC NJ EDITION CHPT. 4)

NO SPECIAL REQUIREMENTS APPLY TO THE WORK IN THIS PROJECT. THE BUILDING IS NOT A COVERED MALL (SECTION 402) OR A HIGH-RISE (SECTION 403). THERE ARE NO NEW ATRIUMS (SECTION 404) OR UNDERGROUND BUILDING (SECTION 405). THE BUILDING IS NOT A MOTOR-VEHICLE-RELATED OCCUPANCY (SECTION 406). THE BUILDING IS NOT USE GROUP H-2 (SECTION 407) OR H-3 (SECTION 408). THERE ARE NO MOTION-PICTURE PROJECTION ROOMS (SECTION 409), STAGES OR PLATFORMS (SECTION 410), SPECIAL AMUSEMENT AREAS (SECTION 411) OR AIRCRAFT-RELATED OCCUPANCIES (SECTION 412). THERE IS NO COMBUSTIBLE STORAGE (SECTION 413) OR HAZARDOUS MATERIALS (SECTION 414). THE BUILDING IS NOT USE GROUP H-1, H-2, H-3, H-4 OR H-5 (SECTION 415). THE BUILDING HAS NO AREAS WITH SPRAY-APPLICATION OF FLAMMABLE FINISHES (SECTION 416) OR DRYING ROOMS (SECTION 417) OR MANUFACTURE OF ORGANIC COATINGS (SECTION 418). THE BUILDING IS NOT USE GROUP I-1, I-2 ASSISTED LIVING, R-1, R-2, R-3 OR R-4 (SECTION 420). THE BUILDING DOES NOT HAVE HYDROGEN FUEL GAS ROOMS (SECTION 421). AMBULATORY CARE FACILITIES (SECTION 422), PLAY STRUCTURES (SECTION 424), HYPERBARIC FACILITIES (SECTION 425), COMBUSTIBLE DUSTS, GRAIN PROCESSING AND STORAGE (SECTION 428), MEDICAL GAS SYSTEMS (SECTION 427), OR HIGHER EDUCATION LABORATORIES (SECTION 428).

GENERAL BUILDING HEIGHTS & AREAS (IBC NJ EDITION CHPT. 5)

SEE CODE ANALYSIS KEY PLAN ON THIS DRAWING.

THE FLOOR PLAN AREA AND HEIGHT OF THE EXISTING SCHOOL BUILDINGS ARE NOT CHANGED UNDER THIS PROJECT, THEREFORE NO ANALYSIS OF THE EXISTING BUILDINGS HAS BEEN PROVIDED.

GENERAL BUILDING HEIGHTS & AREAS (IBC NJ EDITION CHPT. 5)

SEE CODE ANALYSIS KEY PLAN ON THIS DRAWING.

ALLOWABLE BUILDING HEIGHT (IBC NJ EDITION TABLE 504.3)

OCCUPANCY CLASSIFICATION	E
TYPE OF CONSTRUCTION	2B
ALLOWABLE BUILDING HEIGHT	55 FEET FOR BUILDINGS W/O AUTOMATIC SPRINKLERS 75 FEET FOR BUILDINGS W/ AUTOMATIC SPRINKLERS
ACTUAL BUILDING HEIGHT	
BUILDING 'IV'	29.5 FEET
BUILDING 'V'	31 FEET GRADE PLANE TO AVERAGE HEIGHT OF HIGHEST ROOF SURFACE

ALLOWABLE NUMBER OF STORIES (IBC NJ EDITION TABLE 505.4)

OCCUPANCY CLASSIFICATION	E
TYPE OF CONSTRUCTION	2B
ALLOWABLE NUMBER OF STORIES	2 STORIES FOR BUILDINGS W/O AUTOMATIC SPRINKLERS 3 STORIES FOR BUILDINGS W/ AUTOMATIC SPRINKLERS
ACTUAL NUMBER OF STORIES	
BUILDING 'IV'	1 STORIES
BUILDING 'V'	2 STORIES

ALLOWABLE AREA (IBC NJ EDITION TABLE 506.2)

OCCUPANCY CLASSIFICATION	E
TYPE OF CONSTRUCTION	2B
ALLOWABLE AREA	14,500 SF FOR BUILDINGS W/O AUTOMATIC SPRINKLERS 58,000 SF FOR 1-STORY BUILDINGS W/ AUTOMATIC SPRINKLERS 43,500 SF FOR MULTI-STORY BUILDINGS W/ AUTOMATIC SPRINKLERS

TOTAL ALLOWABLE AREA DETERMINATION (IBC NJ EDITION 506.2)

TOTAL ALLOWABLE AREA =	
TABULAR ALLOWABLE AREA FROM TABLE 506.2	
BUILDING 'IV'	58,000 SF
BUILDING 'V'	43,500 SF
ACTUAL AREA (LARGEST FLOOR)	
BUILDING 'IV'	8,454 SF
BUILDING 'V'	11,797 SF

VOLUME CALCULATION

VOLUME CALCULATION (PER N.J.A.C. 5:23-2.28(c)

BUILDING 'IV'	169,300 CU. FT.
BUILDING 'V'	317,985 CU. FT.

CONSTRUCTION TYPE (IBC NJ EDITION CHPT. 6)

THE CONSTRUCTION TYPES OF THE EXISTING SCHOOL BUILDINGS ARE NOT CHANGED UNDER THIS PROJECT. THEREFORE NO ANALYSIS OF THE EXISTING BUILDINGS HAS BEEN PROVIDED.

FIRE & SMOKE PROTECTION (IBC NJ EDITION CHPT. 7)

FIRE-RESISTANT RATED CONSTRUCTION ELEMENTS:

FIRE SEPARATION DISTANCE OF EXTERIOR WALLS EXCEEDS 10'-0" TO THE "IMAGINARY LOT LINES". THEREFORE THE FIRE RATING OF THESE WALLS IS ZERO PER TABLE 705.5 FOR USE GROUP E AND CONSTRUCTION TYPE IIB.

NO EXISTING FIRE-WALLS OR FIRE BARRIERS ARE ALTERED UNDER THIS PROJECT (IBC SECTIONS 706 AND 707).

ANY EXISTING FIRE PARTITIONS ALTERED UNDER THIS PROJECT ARE REPLACED WITH NEW CONSTRUCTION MEETING THE REQUIREMENTS OF IBC 708.3. ANY OPENINGS IN FIRE PARTITIONS ARE PROTECTED IN ACCORDANCE WITH IBC 716.

FIRE PROTECTION & LIFE SAFETY (IBC NJ EDITION CHPT. 9)

AUTOMATIC SPRINKLER SYSTEMS:

EXISTING BUILDINGS 'I' AND 'II' HAVE AUTOMATIC SPRINKLER SYSTEMS.
EXISTING BUILDING 'III' HAS A PARTIAL AUTOMATIC SPRINKLER SYSTEM.
NEW BUILDINGS 'IV' AND 'V' WILL HAVE AUTOMATIC SPRINKLER SYSTEMS.

FIRE EXTINGUISHER SCHEDULE:

EXISTING BUILDINGS -
THE FLOOR PLAN AREAS OF THE EXISTING SCHOOL BUILDINGS ARE NOT CHANGED UNDER THIS PROJECT. NO FIRE EXTINGUISHERS HAVE BEEN ADDED OR REMOVED IN THE EXISTING BUILDINGS UNDER THIS PROJECT. THEREFORE NO ANALYSIS OF FIRE EXTINGUISHERS IN EXISTING BUILDING HAS BEEN PROVIDED.

NEW BUILDINGS -
FIRE EXTINGUISHER TYPES - MULTI-PURPOSE DRY CHEMICAL TYPE UL RATED 2A:10B:C 5lb FOR TYPE A,B,C FIRES. PROVIDE A MINIMUM 2-A RATING FOR EACH 6,000 S.F. AREA AND A TRAVEL DISTANCE OF NOT MORE THAN 75' IN EACH DIRECTION.

BUILDING	AREA	NO. OF FES REQUIRED	NO. OF FES PROVIDED
BUILDING 'IV' FIRST FLOOR	8,454 SF	2	5
BUILDING 'V' FIRST FLOOR	11,797 SF	2	3
BUILDING 'V' SECOND FLOOR	9,470 SF	2	2

EXISTING FIRE ALARM SYSTEM NOTE:

IF ANY PORTION OF THE EXISTING FIRE ALARM SYSTEM MUST BE TAKEN OUT OF SERVICE FOR ANY LENGTH OF TIME, THE LOCAL FIRE MARSHAL MUST BE CONTACTED AND MUST APPROVE SHUTDOWN PLANS, PROCEDURES AND FIRE WATCH PLANS THAT WILL BE IMPLEMENTED.

CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE LOCAL FIRE MARSHAL CONCERNING THE EXISTING FIRE ALARM SYSTEM SHUTDOWN PLANS, PROCEDURES AND FIRE WATCH PLANS THAT WILL BE IMPLEMENTED FOR SYSTEM INTERRUPTIONS DURING CONSTRUCTION.

NOTE THAT TEMPORARILY COVERING EXISTING DETECTION DEVICES TO PREVENT ACCIDENTAL ALARM ACTIVATIONS DUE TO DUST AND DIRT CONSTITUTES A PARTIAL SHUTDOWN OF THE EXISTING FIRE ALARM SYSTEM.

MEANS OF EGRESS (IBC NJ EDITION CHPT. 10 AND NEW JERSEY REHABILITATION SUBCODE 5:23-6.11)

SEE EGRESS PLANS ON DRAWINGS A002 AND A003.

ACCESSIBILITY (IBC NJ EDITION CHPT. 11)

SEE ACCESSIBILITY KEY PLAN ON DRAWING A004. ALL ROOMS ALTERED UNDER THIS PROJECT MEET THE REQUIREMENTS OF IBC CHPT. 11 AND ICC-ANSI A117.1.

ENERGY EFFICIENCY (IBC NJ EDITION CHPT. 13)

THE EXISTING EXTERIOR ENVELOPE OF THE BUILDING IS NOT ALTERED UNDER THIS PROJECT. THEREFORE NO ANALYSIS OF ENERGY EFFICIENCY HAS BEEN PROVIDED.

SEISMIC DESIGN CALCULATIONS (IBC NJ EDITION CHPT. 16)

TABLE 1604.5 - RISK CATEGORY
EDUCATIONAL USE BUILDING WITH TOTAL OCCUPANT LOAD IN EXCEED OF 250
RISK CATEGORY III

TABLE 1613.2.3(1) - SEISMIC DESIGN CATEGORY BASED ON SHORT-PERIOD (0.2 SECOND) RESPONSE ACCELERATION
SDS (SEE STRUCTURAL DRAWINGS) = 0.246
SEISMIC DESIGN CATEGORY B

TABLE 1613.2.3(2) - SEISMIC DESIGN CATEGORY BASED ON 1-SECOND PERIOD RESPONSE ACCELERATION
SD1 (SEE STRUCTURAL DRAWINGS) = 0.053
SEISMIC DESIGN CATEGORY A

THE SEISMIC DESIGN CATGORY FOR THIS PROJECT IS B.

SPECIAL INSPECTIONS (IBC NJ EDITION CHPT. 17)

THE FOLLOWING "SPECIAL INSPECTIONS" SHALL APPLY TO THIS PROJECT, AS DEFINED IN IBC NJ EDITION, CHAPTER 17, SECTION 1705. SEE SPECIFICATION SECTION 01400.

1705 . 2 -	STEEL CONSTRUCTION - SEE SPECIFICATION SECTIONS 05120, 05210 & 05300
1705 . 3 -	CONCRETE CONSTRUCTION - SEE SPECIFICATION SECTION 03300
1705 . 6 -	SOIL CONDITIONS, FILL PLACEMENT AND LOAD-BEARING REQUIREMENTS - SEE SPECIFICATION SECTION 02200
1705 . 11 -	FABRICATIONS - SEE SPECIFICATION SECTIONS 05120, 05210 & 05300
1705 . 18 -	FIRE-RESISTANCE PENETRATIONS & JOINTS - SEE SPECIFICATION SECTIONS 07840 & 07900.

THE INSPECTION FIRM(S) SHALL SUBMIT CERTIFICATIONS TO NJ DCA PRIOR TO PERMIT RELEASE.

PLUMBING FIXTURES (NSPC CHPT. 7)

USE GROUP 'E' (EDUCATIONAL) - MIDDLE SCHOOL -

SANITARY FIXTURES (STUDENTS) PER NSPC TABLE 7.21.1
FUNCTIONAL CAPACITY = 1264 STUDENTS

1264 X 50% = 632 MALES
1264 X 50% = 632 FEMALES

WATER CLOSETS / URINALS
PER NSPC 7.21.1 NOTE 5, NOT MORE THAN 50% OF REQUIRED NUMBER OF WATER CLOSETS FOR MALES MAY BE URINALS.

	REQUIRED (MALES)	PROVIDED (MALES)	
(1 PER 25 FOR FIRST 100, THEN 1 PER 50)	15	21 WATER CLOSETS 29 URINALS	(15 EXISTING, 6 NEW) (21 EXISTING, 8 NEW)
	REQUIRED (FEMALES)	PROVIDED (FEMALES)	
(1 PER 25 FOR FIRST 100, THEN 1 PER 50)	15	40 WATER CLOSETS	(34 EXISTING, 14 NEW)

LAVATORIES

	REQUIRED (MALES)	PROVIDED (MALES)	
(1 PER 25 FOR FIRST 100, THEN 1 PER 50)	15	34 LAVATORIES	(20 EXISTING, 14 NEW)
	REQUIRED (FEMALES)	PROVIDED (FEMALES)	
(1 PER 25 FOR FIRST 100, THEN 1 PER 50)	15	36 LAVATORIES	(22 EXISTING, 14 NEW)

DRINKING FOUNTAINS
FUNCTIONAL CAPACITY = 1264 STUDENTS
REQUIRED: 1264 STUDENTS AT 1 DRINKING FOUNTAIN PER 100 STUDENTS = 13 DRINKING FOUNTAINS REQUIRED. 20 PROVIDED (17 EXISTING, 3 NEW).

COST CALCULATION RE ACCESSIBLE PATH OF TRAVEL TO ALTERED ROOMS (NEW JERSEY REHABILITATION SUBCODE 5:23-6.6 (k))

COST VALUES SHOWN ARE FROM COST ESTIMATES SUBMITTED TO NJ DEPT. OF EDUCATION.

TOTAL RENOVATION COST (ALL DISCIPLINES)	$ 6,847,700

IN ACCORDANCE WITH N.J.A.C. 5:23-6.6 (k). COSTS FOR NON-ALTERATION WORK MAY BE DEDUCTED.

TOTAL ALTERATION COST:	$ 2,823,700
THRESHOLD COST (20% OF TOTAL GENERAL ALTERATION COST)	$ 564,740

IN ACCORDANCE WITH N.J.AC. 5:23-6.6 (k), FUNDS UP TO THE THRESHOLD COST MUST BE SPENT IN PROVIDING AN ACCESSIBLE PATH OF TRAVEL TO THE ALTERED SPACES. THE FOLLOWING ACCESSIBLE PATH OF TRAVEL ELEMENTS HAVE BEEN PROVIDED:

ACCESSIBLE PARKING SPACES	$ 80,000
ACCESSIBLE ENTRANCE ROUTE	$ 87,750
ACCESSIBLE BUILDING ENTRANCE	$ 27,000
ACCESSIBLE INTERIOR ROUTE (RAMP)	$ 10,000
ACCESSIBLE INTERIOR DOORS AT ALTERED ROOMS	$ 170,000
ACCESSIBLE RESTROOMS	$ 258,920
ACCESSIBLE DRINKING FOUNTAINS	$ 15,000
TOTAL COST OF PROVIDED ACCESSIBLE PATH OF TRAVEL ELEMENTS	$ 649,170

THE TOTAL COST OF ACCESSIBLE PATH OF TRAVEL ELEMENTS EXCEEDS THE THRESHOLD COST; THEREFORE THE REQUIREMENTS OF N.J.A.C. 5:23-6.6 (k) ARE SATISFIED.

NJDCA Electronic Release Stamp

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10/10/25
Date
Architect

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F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
NEH

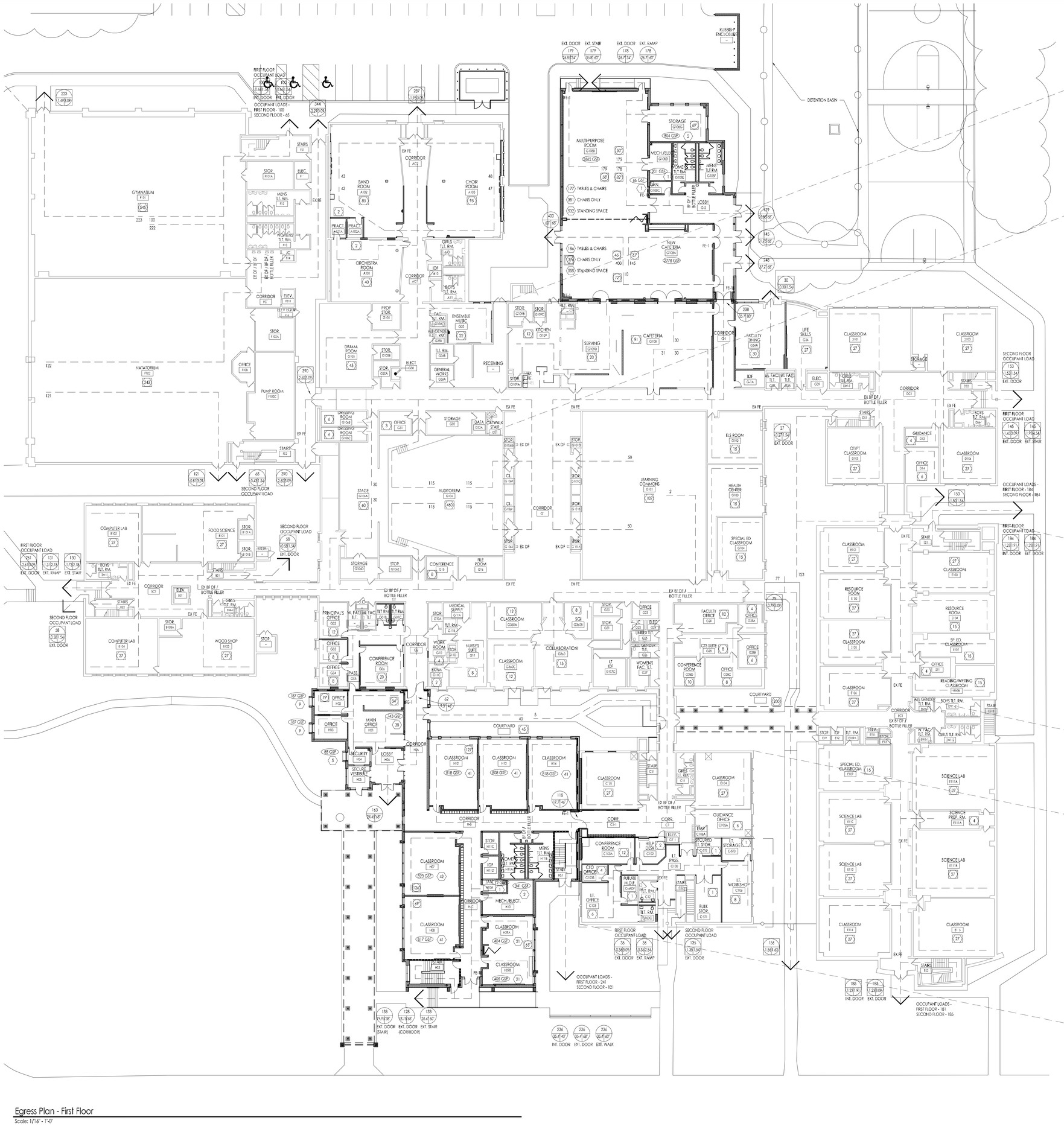
Scale
As Noted

Drawing Name
Code Analysis Key Plan and Code Information

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

Drawing Number
A001



Partial Egress Plan - Basement

Scale: 1/16" = 1'-0"

Partial Egress Plan - Basement

Scale: 1/16" = 1'-0"

Egress Plan - First Floor

Scale: 1/16" = 1'-0"

Partial Egress Plan - First Floor - Base Bid

Scale: 1/16" = 1'-0"

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Project Name

Addition and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Lane, Princeton, NJ 08540

Project Number	5516B
Project Date	10.10.2025
Checked By	GRD
Drawn By	NEH
Scale	As Noted

Drawing Name

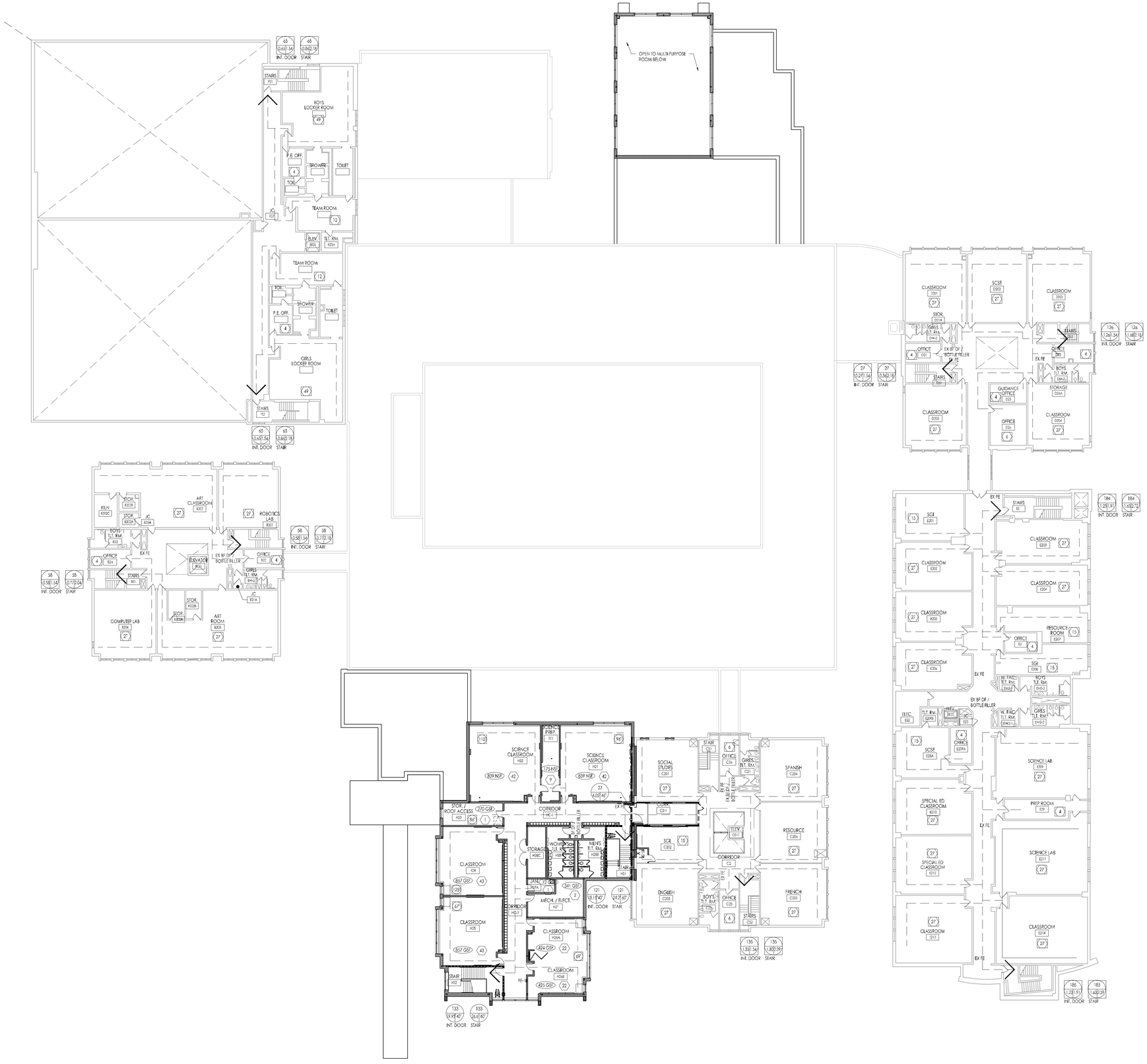
Egress Plan - First Floor

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	NJ DCA RESPONSES

Drawing Number

A002



Egress Plan - Second Floor

Scale: 1/16" = 1'-0"

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Princeton Public Schools

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Project Date	10.10.2025
Checked By	GRD
Drawn By	NEH
Scale	As Noted

Drawing Name

Egress Plan - Second Floor

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

Drawing Number

A003

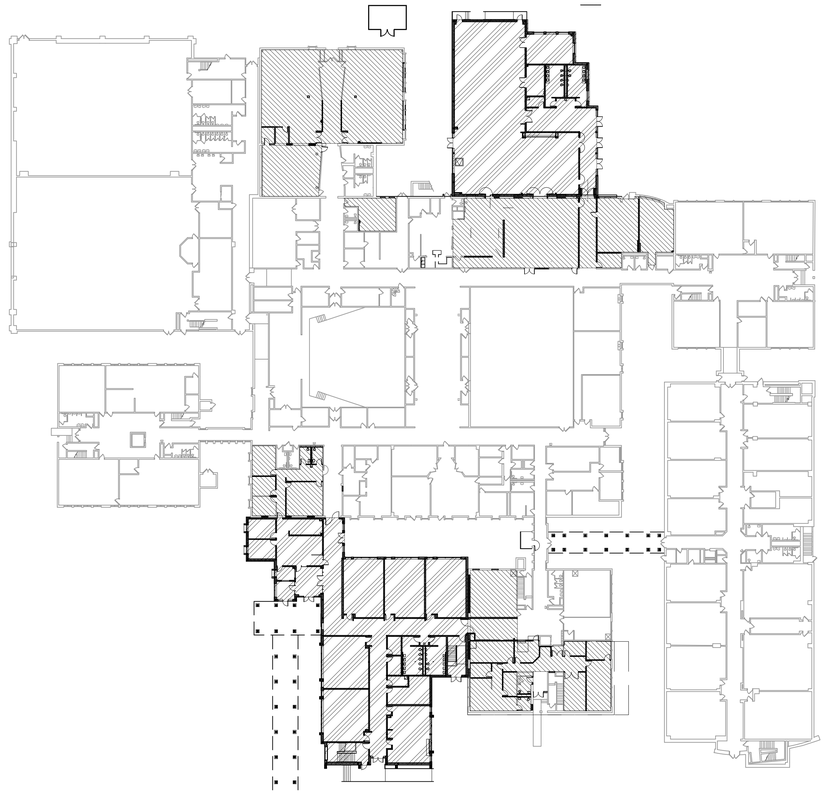
REHABILITATION KEY LEGEND

NEW CONSTRUCTION

ALTERATIONS

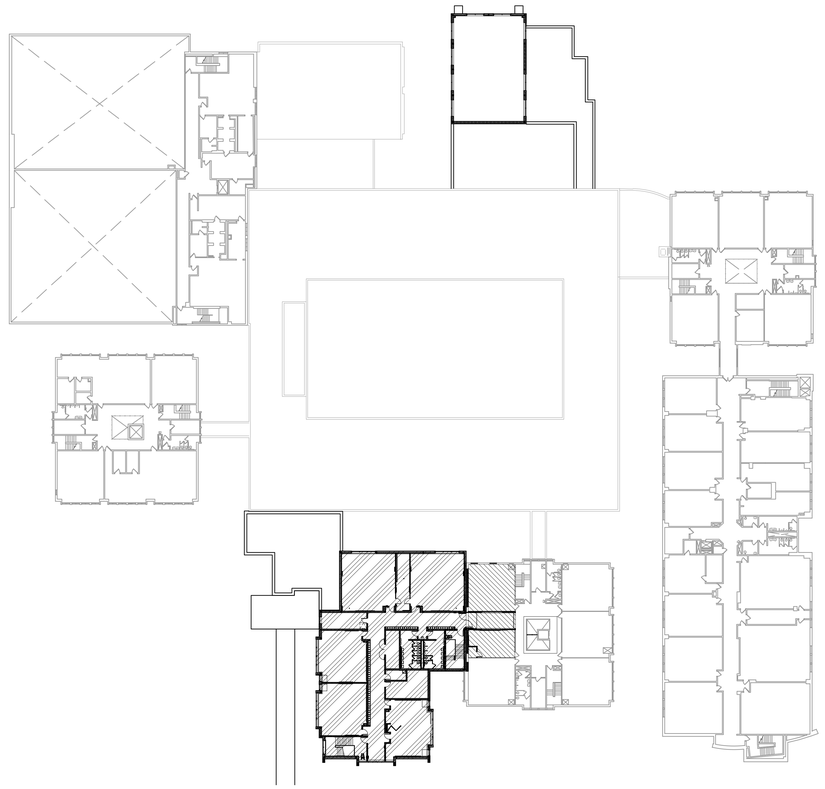
NEW CONSTRUCTION IS DESIGNED UNDER THE INTERNATIONAL BUILDING CODE 2021 - NEW JERSEY EDITION.

ALTERATIONS ARE DESIGNED UNDER THE NEW JERSEY REHABILITATION SUB-CODE.



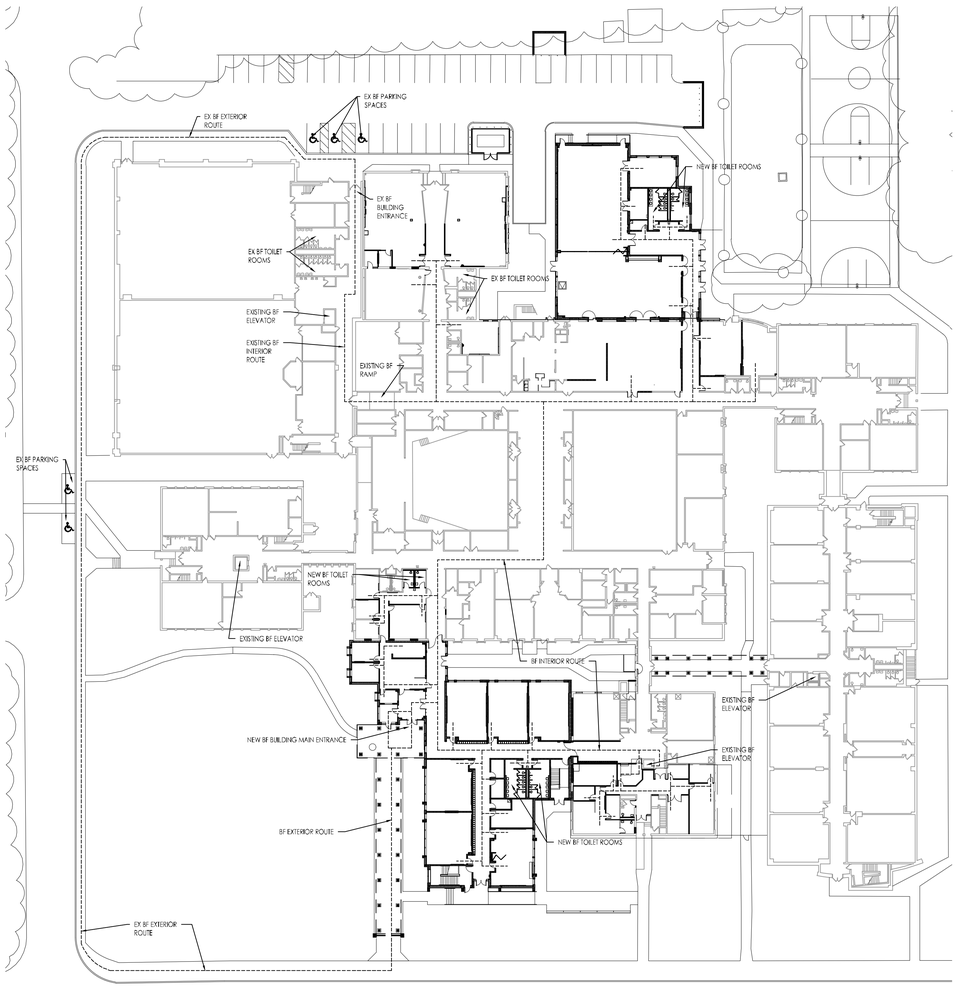
Rehabilitation Key Plan - First Floor

Scale: 1/32" - 1'-0"



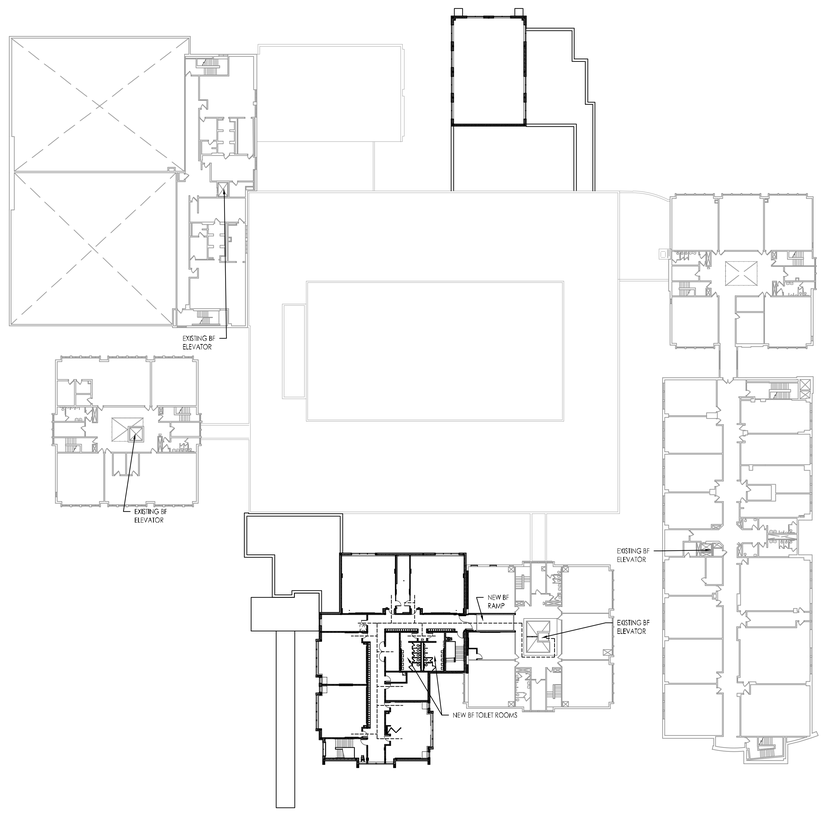
Rehabilitation Key Plan - Second Floor

Scale: 1/32" - 1'-0"



Accessibility Key Plan - First Floor

Scale: 1/32" - 1'-0"



Accessibility Key Plan - Second Floor

Scale: 1/32" - 1'-0"

NJDCA Electronic Release Stamp

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Project Name

Addition and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Lane, Princeton, NJ 08540

Project Number	5516B
Project Date	10.10.2025
Checked By	GRD
Drawn By	NEH
Scale	As Noted

Drawing Name

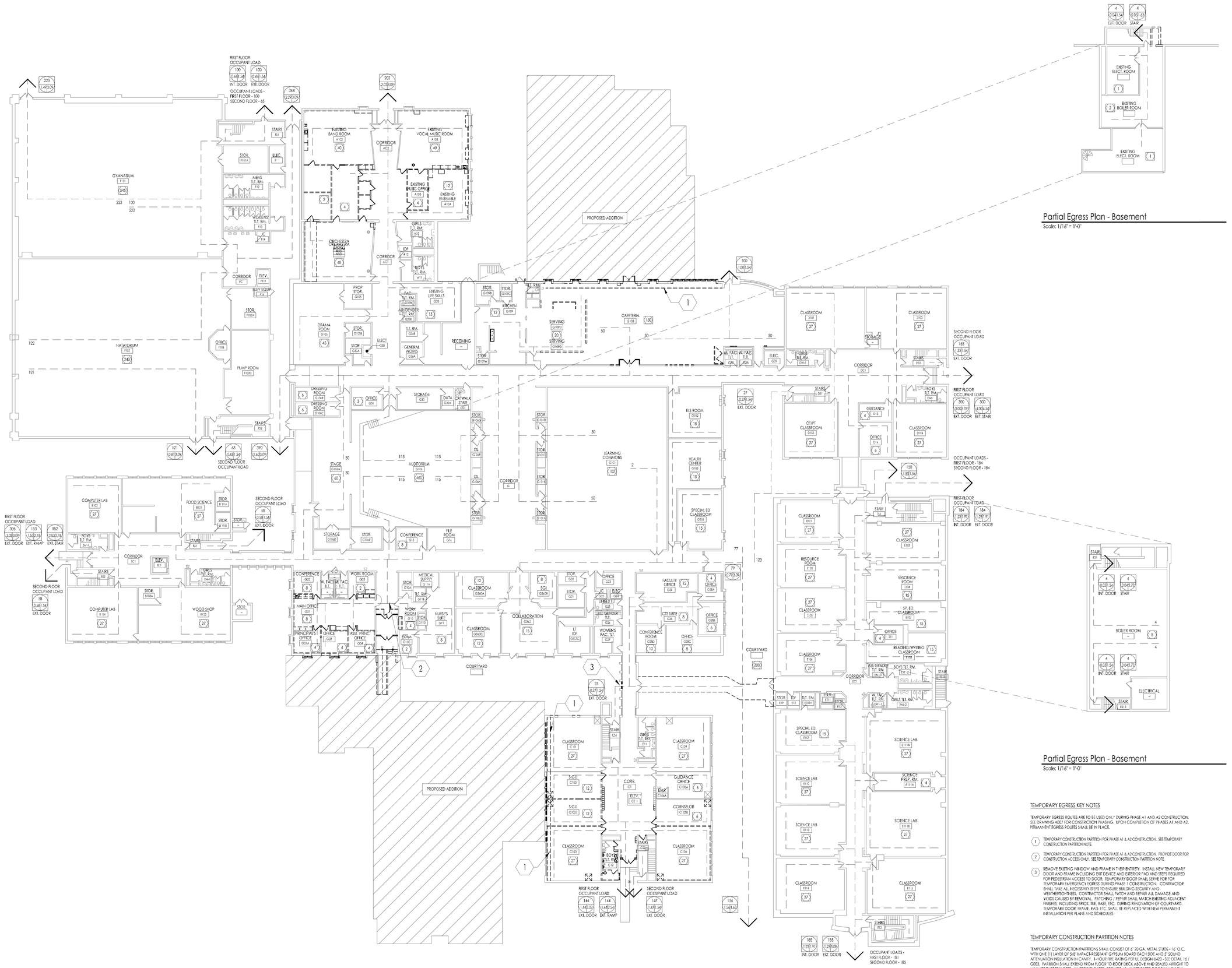
Rehabilitation and Accessibility Key Plans

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

Drawing Number

A004



TEMPORARY EGRESS KEY NOTES

TEMPORARY EGRESS ROUTES ARE TO BE USED ONLY DURING PHASE A1 AND A2 CONSTRUCTION. SEE DRAWING A007 FOR CONSTRUCTION PHASING. UPON COMPLETION OF PHASES A1 AND A2, PERMANENT EGRESS ROUTES SHALL BE IN PLACE.

1. TEMPORARY CONSTRUCTION PARTITION FOR PHASE A1 & A2 CONSTRUCTION. SEE TEMPORARY CONSTRUCTION PARTITION NOTE.
2. TEMPORARY CONSTRUCTION PARTITION FOR PHASE A1 & A2 CONSTRUCTION. PROVIDE DOOR FOR CONSTRUCTION ACCESS ONLY. SEE TEMPORARY CONSTRUCTION PARTITION NOTE.
3. REMOVE EXISTING WINDOW AND FRAME IN THEIR ENTIRETY. INSTALL NEW TEMPORARY DOOR AND FRAME INCLUDING EXIT DEVICE AND EXTERIOR PAD AND STEPS REQUIRED FOR PEDESTRIAN ACCESS TO DOOR. TEMPORARY DOOR SHALL SERVE FOR FOR TEMPORARY EMERGENCY EGRESS DURING PHASE 1 CONSTRUCTION. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO ENSURE BUILDING SECURITY AND WEATHERTIGHTNESS. CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL. PATCHING / REPAIR SHALL MATCH EXISTING ADJACENT FINISHES, INCLUDING BRICK, TILE, BASE, ETC. DURING RENOVATION OF COURTYARD, TEMPORARY DOOR, FRAME, PAD, ETC. SHALL BE REPLACED WITH NEW PERMANENT INSTALLATION PER PLANS AND SCHEDULES.

TEMPORARY CONSTRUCTION PARTITION NOTES

TEMPORARY CONSTRUCTION PARTITIONS SHALL CONSIST OF 6" 20 GA. METAL STUDS - 16" O.C. WITH ONE (1) LAYER OF 5/8" IMPACT-RESISTANT GYPSUM BOARD EACH SIDE AND 3" SOUND ATTENUATION INSULATION IN CAVITY. 1-HOUR FIRE RATING PER UL DESIGN U423 - SEE DETAIL 16 / G003. PARTITION SHALL EXTEND FROM FLOOR TO ROOF DECK, ABOVE AND SEALED AIRTIGHT TO MINIMIZE DUST TRANSFER. WHERE INDICATED. PROVIDE 45-MINUTE RATED DOOR IN HOLLOW METAL FRAME WITH STORAGE FUNCTION LOCKSET.

NJDCA Electronic Release Stamp

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Project Name

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Project Location

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Project Date	10.10.2025
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Drawn By	NEH
Scale	As Noted

Drawing Name

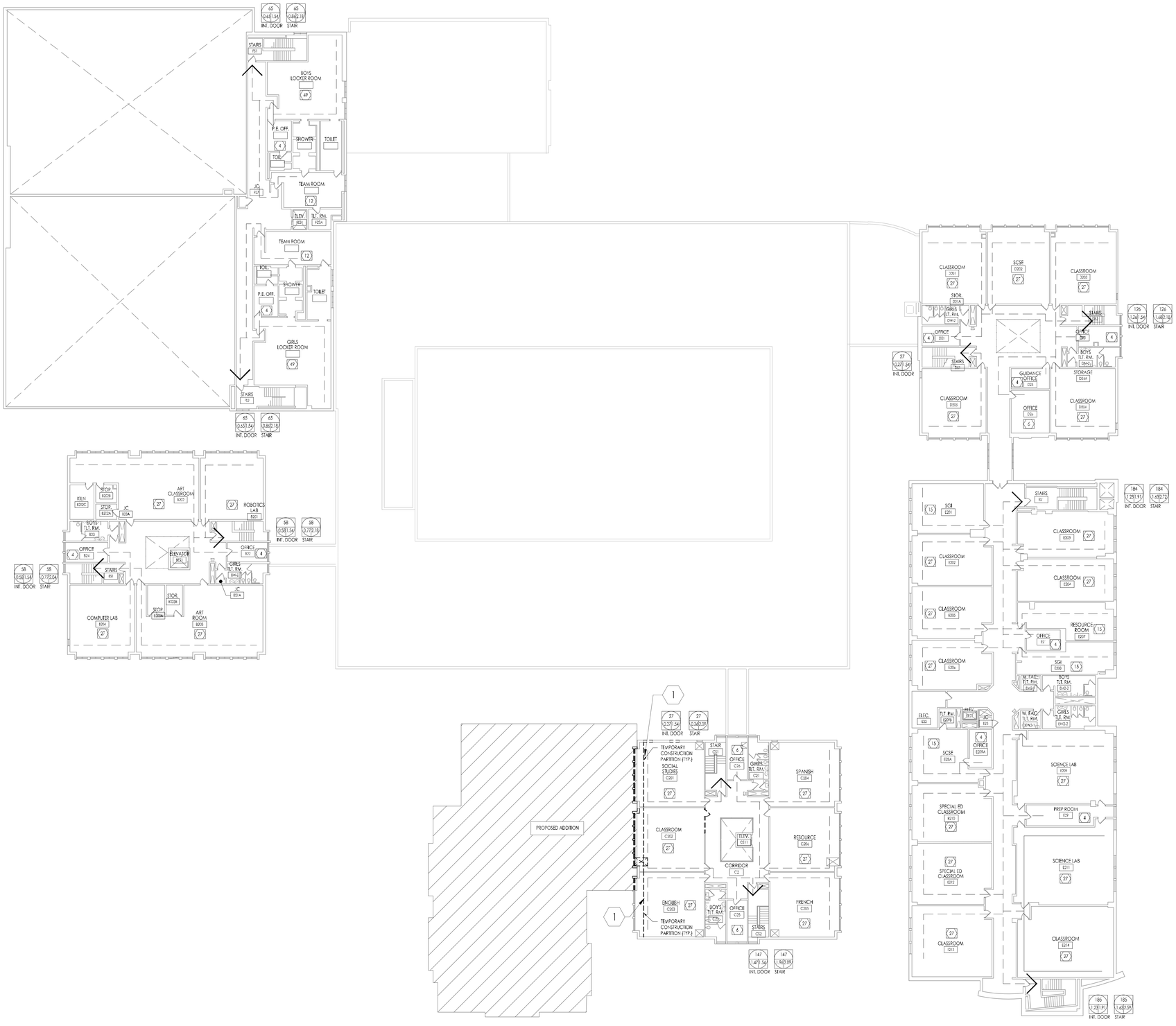
Temp. Egress Plan - First Floor - Construction Phase 1

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION

Drawing Number

A005



SEE TEMPORARY EGRESS KEY NOTES AND TEMPORARY CONSTRUCTION PARTITION NOTES ON DRAWING A005.

Temporary Egress Plan - Second Floor - Construction Phase 1

Scale: 1/16" = 1'-0"

NJDCA Electronic Release Stamp

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Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
NEH

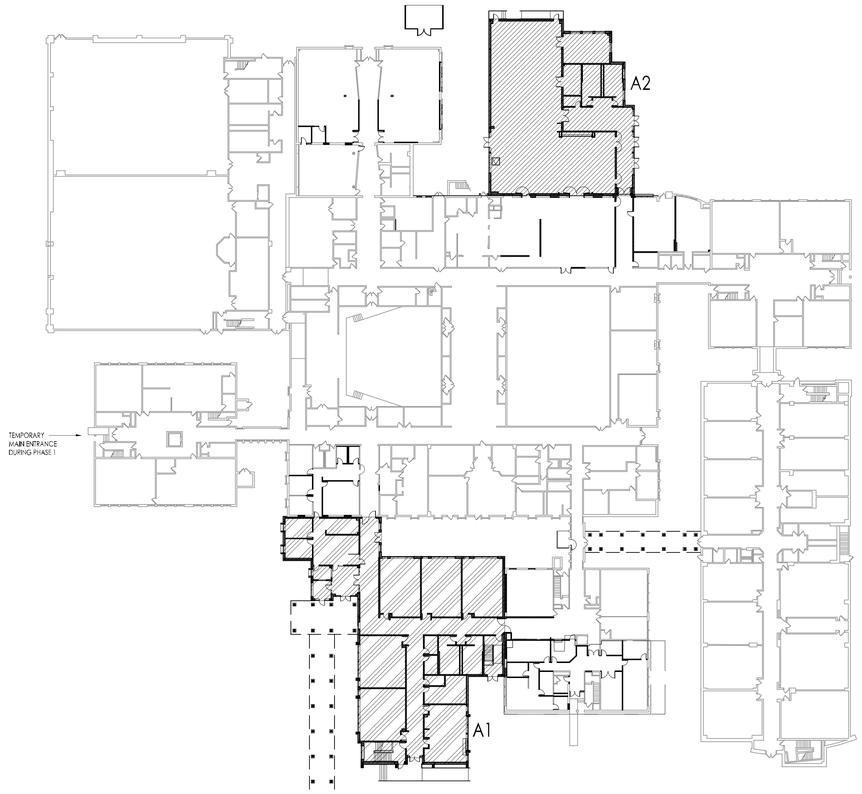
Scale
As Noted

Drawing Name
Temp. Egress Plan - Second Floor - Construction Phase 1

Revisions

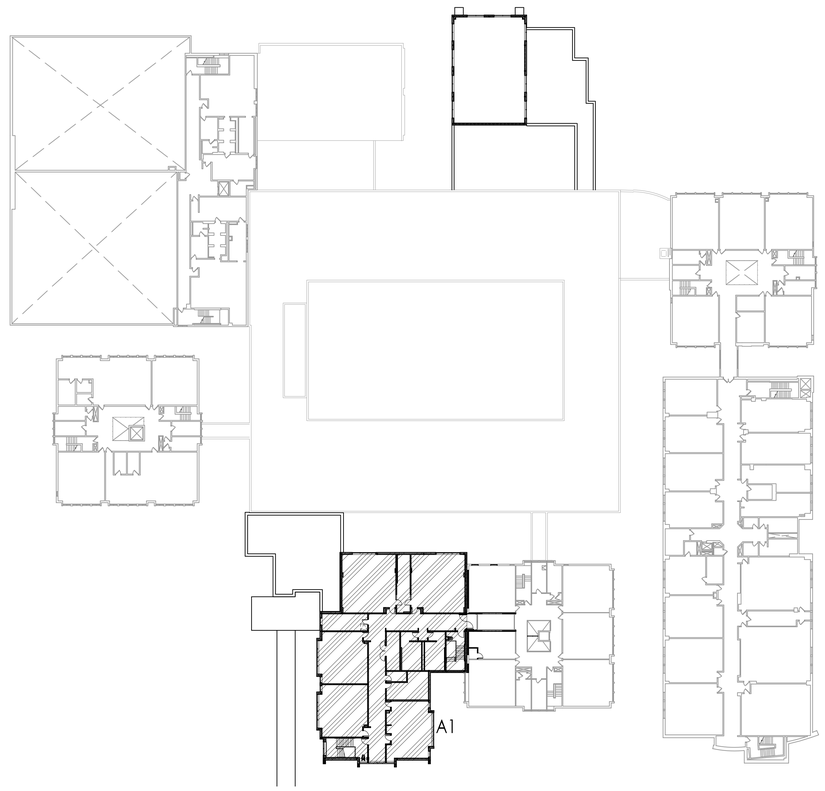
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

Drawing Number
A006



Key Plan - Phase 1 - First Floor New Addition

Scale: 1/32" - 1'-0"

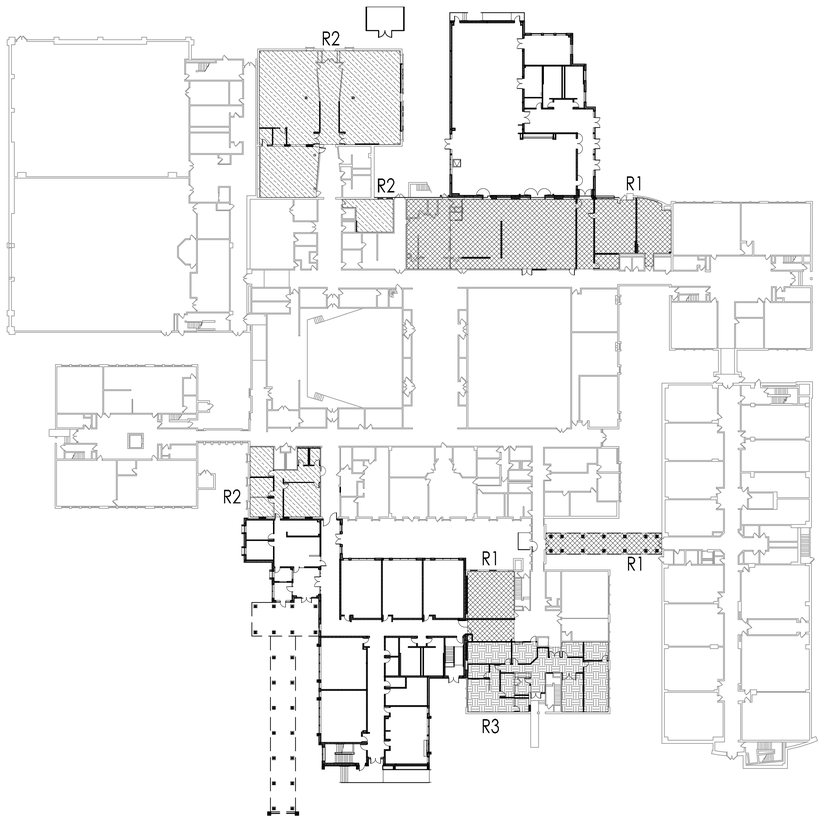


Key Plan - Phase 1 - Second Floor New Addition

Scale: 1/32" - 1'-0"

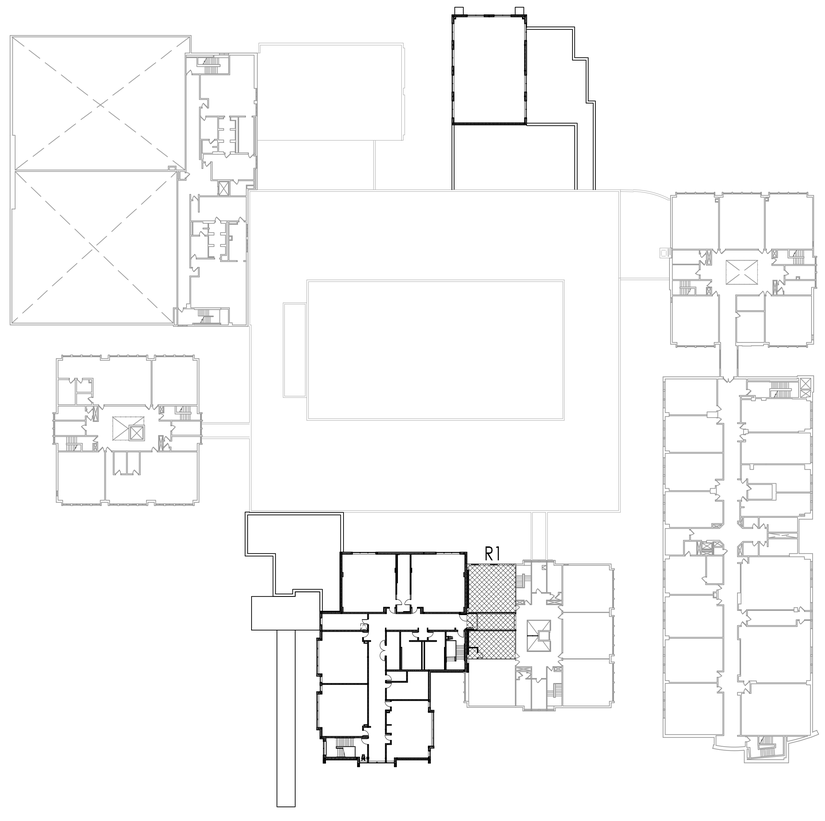
PHASING KEY PLAN LEGEND

- PHASE A1 (TWO-STORY ADDITION) - MARCH 23, 2026 TO AUGUST 27, 2027
- PHASE A2 (ONE-STORY ADDITION) - MARCH 23, 2026 TO DECEMBER 17, 2027
- PHASE R1 (RENOVATIONS AT CAFETERIA / SERVING / KITCHEN / FACULTY DINING / LIFE SKILLS / CONNECTIONS TO ADDITION) - JUNE 21, 2027 TO AUGUST 27, 2027
- PHASE R2 (RENOVATIONS AT MAIN OFFICE / MUSIC ROOMS) - DECEMBER 20, 2027 TO AUGUST 23, 2028
- PHASE R3 (I.T. DEPARTMENT) - JUNE 19, 2028 TO DECEMBER 15, 2028



Key Plan - Phases 2, 2A & 3 - First Floor Renovations

Scale: 1/32" - 1'-0"



Key Plan - Phases 2, 2A & 3 - Second Floor Renovations

Scale: 1/32" - 1'-0"

NJDCA Electronic Release Stamp

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Architect

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F V H D P C . C O M

Project Name

Addition and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Lane, Princeton, NJ 08540

Project Number

5516B

Project Date

10.10.2025

Checked By

GRD

Drawn By

NEH

Scale

As Noted

Drawing Name

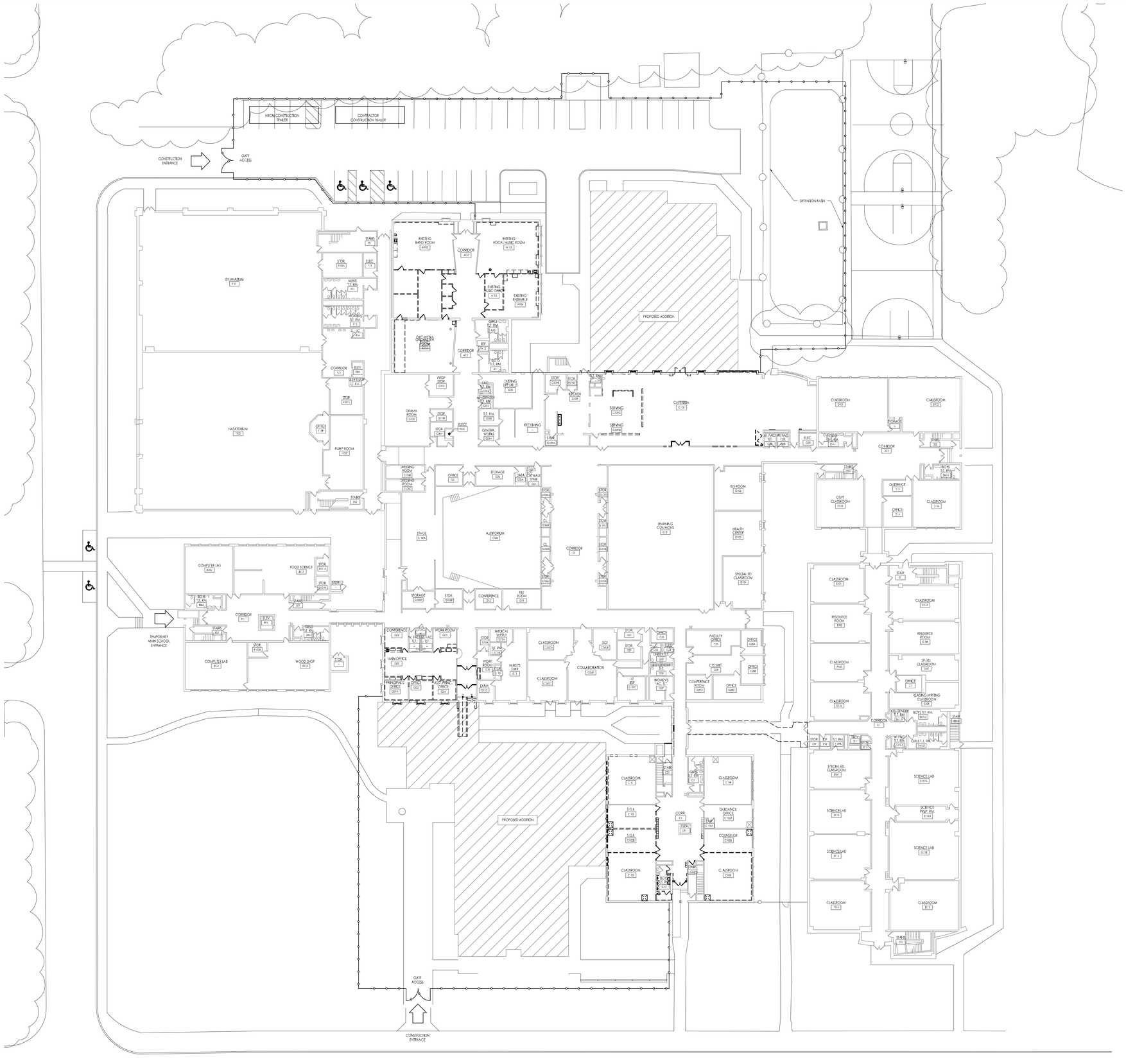
Phasing Key Plans

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

Drawing Number

A007



Temporary Conditions Plan - Construction Phase 1

Scale: 1/16" - 1'-0"

NJDCA Electronic Release Stamp

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Scale

As Noted

Drawing Name

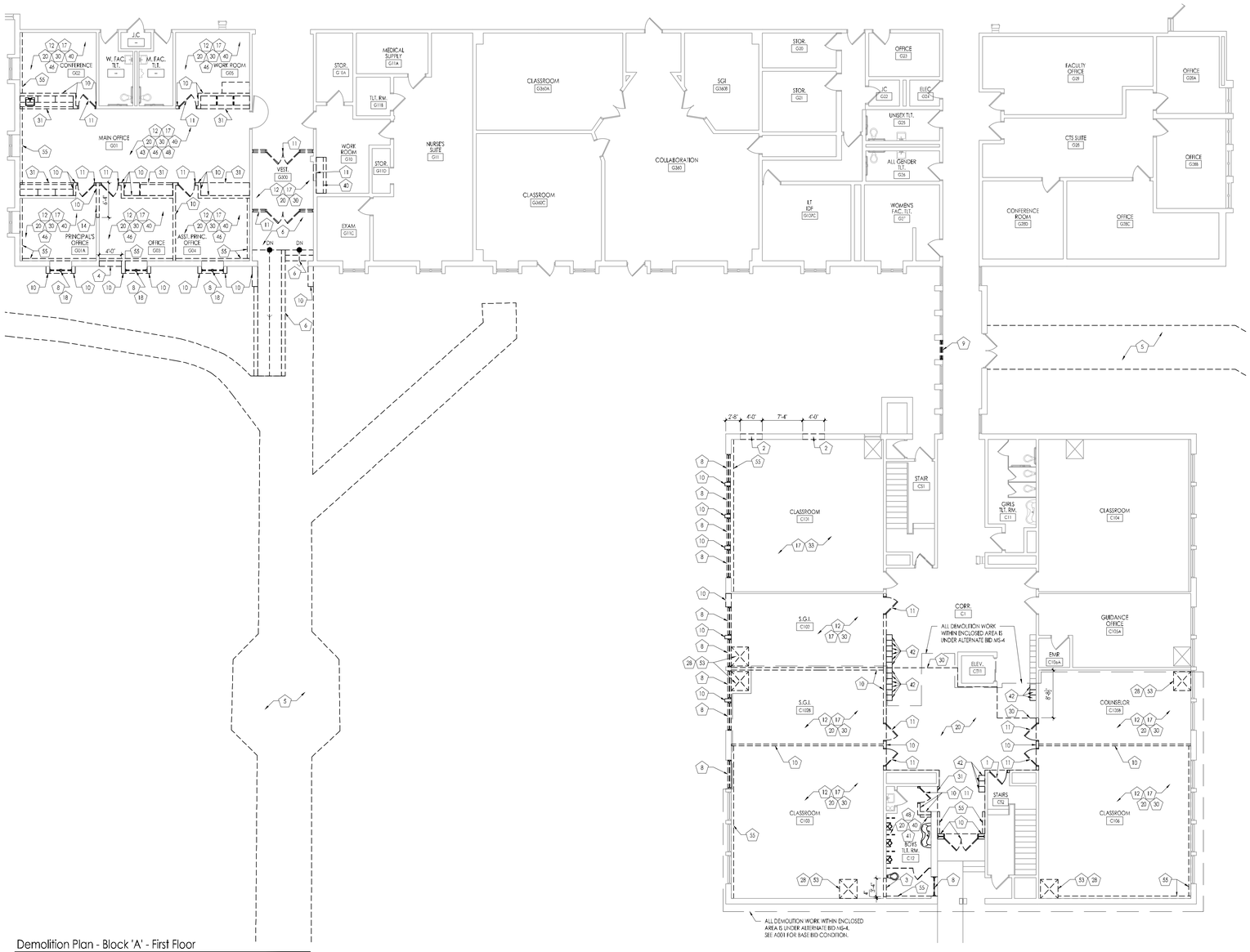
Temp. Conditions Plan - Construction Phase 1

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.15.25	NJ DCA RESPONSES

Drawing Number

A008

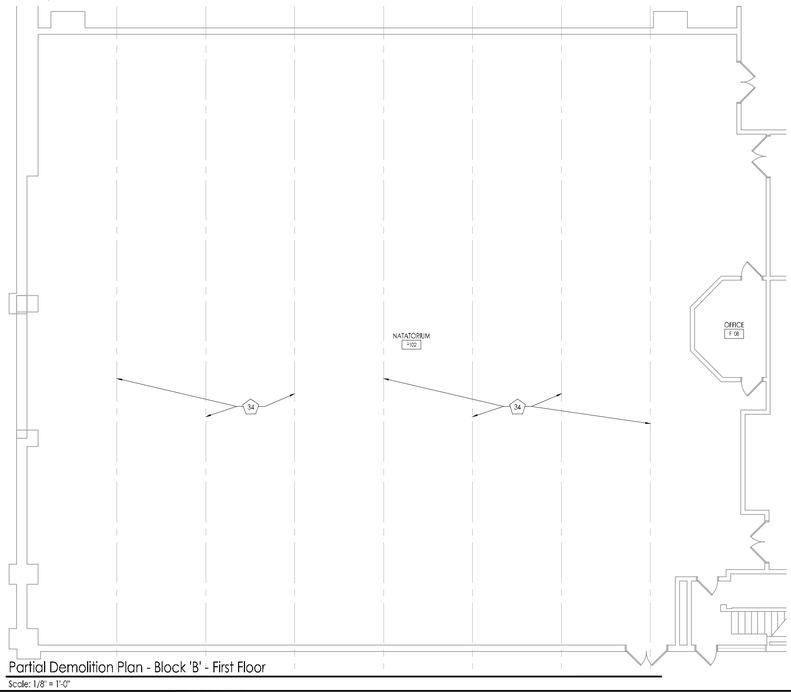


Demolition Plan - Block 'A' - First Floor

Scale: 1/8" = 1'-0"

Demolition Plan - Block 'A' - Second Floor

Scale: 1/8" = 1'-0"



Partial Demolition Plan - Block 'B' - First Floor

Scale: 1/8" = 1'-0"

GENERAL NOTES ON DEMOLITION:

A. ALL CONTRACTORS ARE ADVISED TO VISIT THE SITE AND VERIFY ALL AREAS AND CONDITIONS PRIOR TO SUBMITTING THEIR BIDS. THE CONTRACTOR MUST NOTIFY THE ARCHITECT OF ANY DISCREPANCIES AND/OR OMISSIONS IN WRITING AT LEAST SEVEN DAYS PRIOR TO THE RECEIPT OF BIDS. FAILURE TO SO NOTIFY THE ARCHITECT INDICATES THAT ANY ADDITIONAL COSTS ASSOCIATED WITH THE DISCREPANCIES AND / OR OMISSIONS ARE INCLUDED IN THE CONTRACTORS BID AND THAT NO CHANGE TO THE CONTRACT AMOUNT WILL BE MADE AFTER THE RECEIPT OF BIDS OR THE AWARD OF CONTRACTS.

B. ALL PLUMBING, MECHANICAL OR ELECTRICAL DISCONNECTS SHALL BE MADE BY THE RESPECTIVE TRADE SUBCONTRACTOR. ALL EQUIPMENT, DEVICES, FIXTURES, ETC. SHALL BE REMOVED FROM THE SITE BY THE RESPECTIVE SUBCONTRACTOR. NOTE: THE EXISTING FIRE ALARM SYSTEM SHALL NOT BE DISABLED NOR SHALL EXISTING FIRE ALARM DEVICES BE REMOVED UNTIL NEW DEVICES ARE READY FOR SWITCHOVER.

C. UNLESS NOTED OTHERWISE ALL DEMOLITION MATERIAL SHALL BE REMOVED OFF SITE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

D. THERE ARE SOME SPECIFIC ITEMS DESIGNATED BY THE ARCHITECT FOR SALVAGE. THESE ITEMS ARE INTENDED FOR REUSE IN THE NEW CONSTRUCTION. THE CONTRACTOR MUST TAKE CARE IN THE REMOVAL AND STORAGE OF THESE ITEMS UNTIL THEY ARE NEEDED IN THE NEW CONSTRUCTION.

E. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROTECT PORTIONS OF THE EXISTING CONSTRUCTION WHICH ARE ADJACENT TO AREAS TO BE DEMOLISHED. MAKE ALL CUTS AS NEATLY AS POSSIBLE. REFER TO FLOOR PLAN DRAWINGS FOR FINISHING OF THESE AREAS.

F. IF NOT OTHERWISE NOTED OR DETAILED, ALL SURFACES LEFT ROUGH OR UNFINISHED BY DEMOLITION AND WHICH ARE EXPOSED TO VIEW, SHALL BE PATCHED TO MATCH ADJACENT SURFACES AND FINISHED TO PROVIDE A UNIFORM APPEARANCE WITH REGARD TO SIZE, SHAPE, COLOR, TEXTURE AND MATERIAL.

G. THE CONTRACTOR SHALL PROVIDE A PHYSICAL BARRIER TO CONTAIN DUST AND DIRT AROUND THE DEMOLITION AREA AND SHALL MAKE EVERY EFFORT TO KEEP THE DEMOLITION SITE AND SURROUNDING AREAS AS CLEAN AS POSSIBLE. ALL TEMPORARY PARTITIONS SHALL BE 1 HOUR RATED CONSTRUCTION AND INCLUDE A DOOR.

H. NO DEMOLITION SHALL BEGIN UNTIL PROPER PROTECTION IS IN PLACE AND APPROVED BY ARCHITECT & OWNER TO ENSURE THE SAFETY OF THE PUBLIC, THE BUILDING OCCUPANTS, CONSTRUCTION WORKERS AND TO CONTAIN DUST AND DIRT WITHIN THE AREA OF DEMOLITION.

I. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS REGARDING THE REMOVAL AND DISPOSAL OF ALL MATERIALS & EQUIPMENT.

J. THE CONTRACTOR SHALL PROVIDE PROTECTION AGAINST INCLEMENT WEATHER FOR THE EXISTING BUILDING DURING THE INTERIM PERIOD BETWEEN DEMOLITION AND THE COMPLETION OF NEW CONSTRUCTION.

K. THE CONTRACTORS SHALL TAKE INTO ACCOUNT THEIR METHODS OF CONSTRUCTION FOR THE NEW WORK AND INCLUDE IN THEIR BID THE COST OF ADDITIONAL DEMOLITION WORK NECESSARY TO FACILITATE THE CONSTRUCTION. THIS WORK INCLUDES, BUT IS NOT LIMITED TO THE PARTIAL DEMOLITION OF WALLS AT THE POINTS WHERE NEW STEEL CONNECTS TO EXISTING BEAMS OR COLUMNS, THE AREA AROUND JOINTS BETWEEN NEW AND EXISTING CONSTRUCTION IN WALLS, FLOORS AND CEILINGS, AREAS OF SIDEWALK AND PAVING, ETC. MUCH OF THIS WORK IS INDICATED IN SECTIONS AND DETAILS RELATING TO THE NEW CONSTRUCTION.

L. THE DEMOLITION WORK SHOWN ON THIS PLAN IS INTENDED TO BE A GENERAL OVERVIEW OF MAJOR DEMOLITION WORK REQUIRED. IT IS NOT A COMPLETE AND EXCLUSIVE REPRESENTATION OF ALL DEMOLITION WORK NEEDED FOR EXECUTION OF THE PROJECT. WHEN PREPARING THEIR BIDS, CONTRACTORS MUST REFER TO THE FULL SET OF CONSTRUCTION DOCUMENTS FOR VARIOUS MISCELLANEOUS ITEMS WHICH MUST BE REMOVED AND/OR RELOCATED AS PART OF THE WORK.

M. ALL PRIME CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN CUTTING AND PATCHING - SEE SPECIFICATION.

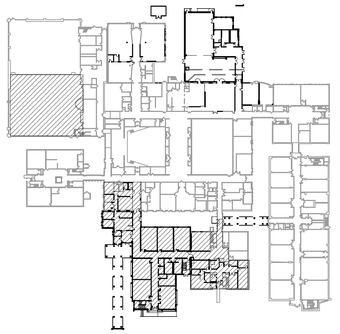
N. IN ROOMS WHERE EXISTING FLOOR FINISH AND BASE ARE INDICATED TO BE REMOVED. IF ASBESTOS TILE IS ENCOUNTERED, STOP REMOVAL AND NOTIFY OWNER IMMEDIATELY. ASBESTOS TILE SHALL BE REMOVED DOWN TO THE EXISTING CONCRETE SLAB AND THE SURFACE PREPARED FOR NEW FINISH BY OTHERS PRIOR TO CONTINUING WITH RENOVATION WORK. AFTER ASBESTOS ABATEMENT, THE GENERAL CONTRACTOR SHALL CLEAN SLAB TO REMOVE ADHESIVES AND INSTALL WITH SELF-DRYING FINISHING UNDERLAYMENT (COMPATIBLE WITH NEW FLOOR FINISHES) OVER ENTIRE SURFACE OF EXISTING FLOOR TO MAKE FLOOR LEVEL AND FLUSH. APPLY NEW FINISH AND BASE - SEE ROOM FINISH SCHEDULE.

O. IF DURING THE DEMOLITION, RENOVATION AND ALTERATION WORK IN THE EXISTING BUILDING, STRUCTURAL ELEMENTS ARE UNCOVERED AND ARE FOUND TO BE UNSOUND OR OTHERWISE STRUCTURALLY DEFICIENT, THE GENERAL CONTRACTOR SHALL IMMEDIATELY ADVISE THE ARCHITECT AND THE STRUCTURAL ENGINEER OF RECORD OF THE CONDITION SO THAT APPROPRIATE MEASURES TO REINFORCE, SUPPORT OR REPLACE THE UNSOUND ELEMENTS CAN BE DESIGNED AND IMPLEMENTED.

P. CONTRACTOR SHALL MAINTAIN ALL EXISTING FIRE-RATED CONSTRUCTION ASSEMBLIES, INCLUDING PROTECTED OPENINGS (DOORS, ETC.) DURING DEMOLITION AND ALTERATION WORK IN ORDER TO MAINTAIN EXISTING LIFE SAFETY AND EGRESS. CONTRACTOR IS RESPONSIBLE FOR ALL SEQUENCING AND SHALL NOT REMOVE ANY EXISTING FIRE-RATED ASSEMBLIES UNTIL NEW WORK IS READY FOR INSTALLATION. CONTRACTOR SHALL NOT REMOVE ANY EXISTING FIRE-RATED ASSEMBLIES BEYOND THAT WHICH CAN BE REPLACED IN A SINGLE DAY.

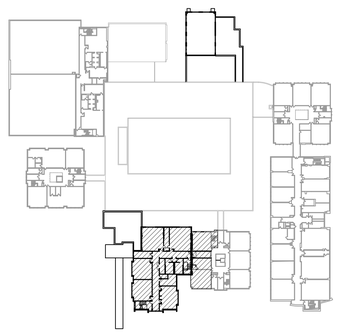
Q. DARK, DASHED LINES ON THE DEMOLITION PLAN, WHETHER TAGGED OR NOT, INDICATES WORK THAT SHALL BE INCLUDED AS PART OF THE DEMOLITION/RENOVATION SCOPE. COORDINATE WITH WORK SHOWN ON THE FLOOR PLANS

SEE DEMOLITION NOTES ON DRAWING A102.



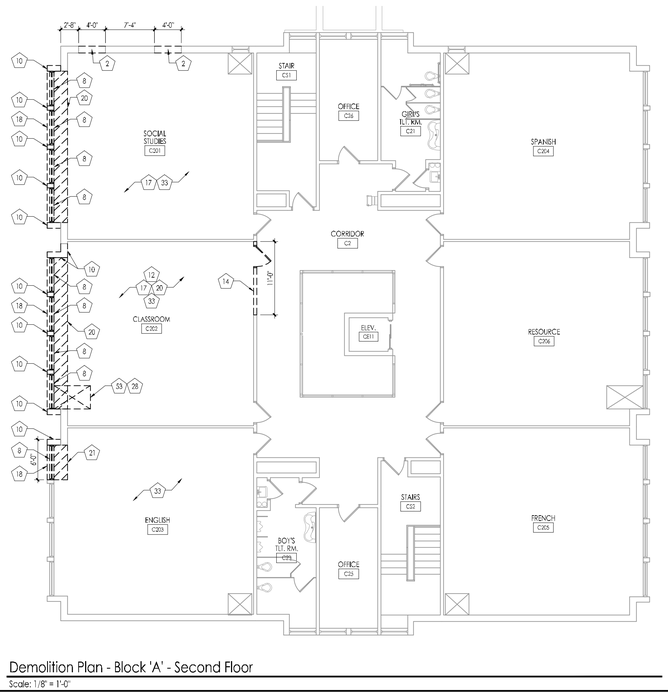
Key Plan - First Floor

Scale: 1/64" = 1'-0"



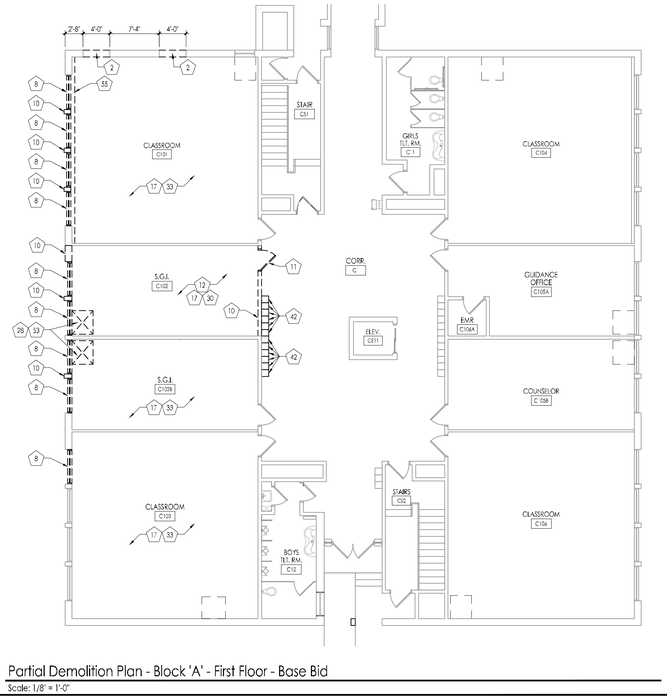
Key Plan - Second Floor

Scale: 1/64" = 1'-0"



Demolition Plan - Block 'A' - Second Floor

Scale: 1/8" = 1'-0"



Partial Demolition Plan - Block 'A' - First Floor - Base Bid

Scale: 1/8" = 1'-0"

NJDCA Electronic Release Stamp

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F V H D P C . C O M

Project Name

Addition and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Lane, Princeton, NJ 08540

Project Number	5516B
Project Date	10.10.2025
Checked By	GRD
Drawn By	NEH
Scale	1/8" = 1'-0"

Drawing Name

Demolition Plans - Block 'A' - First & Second Floors

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
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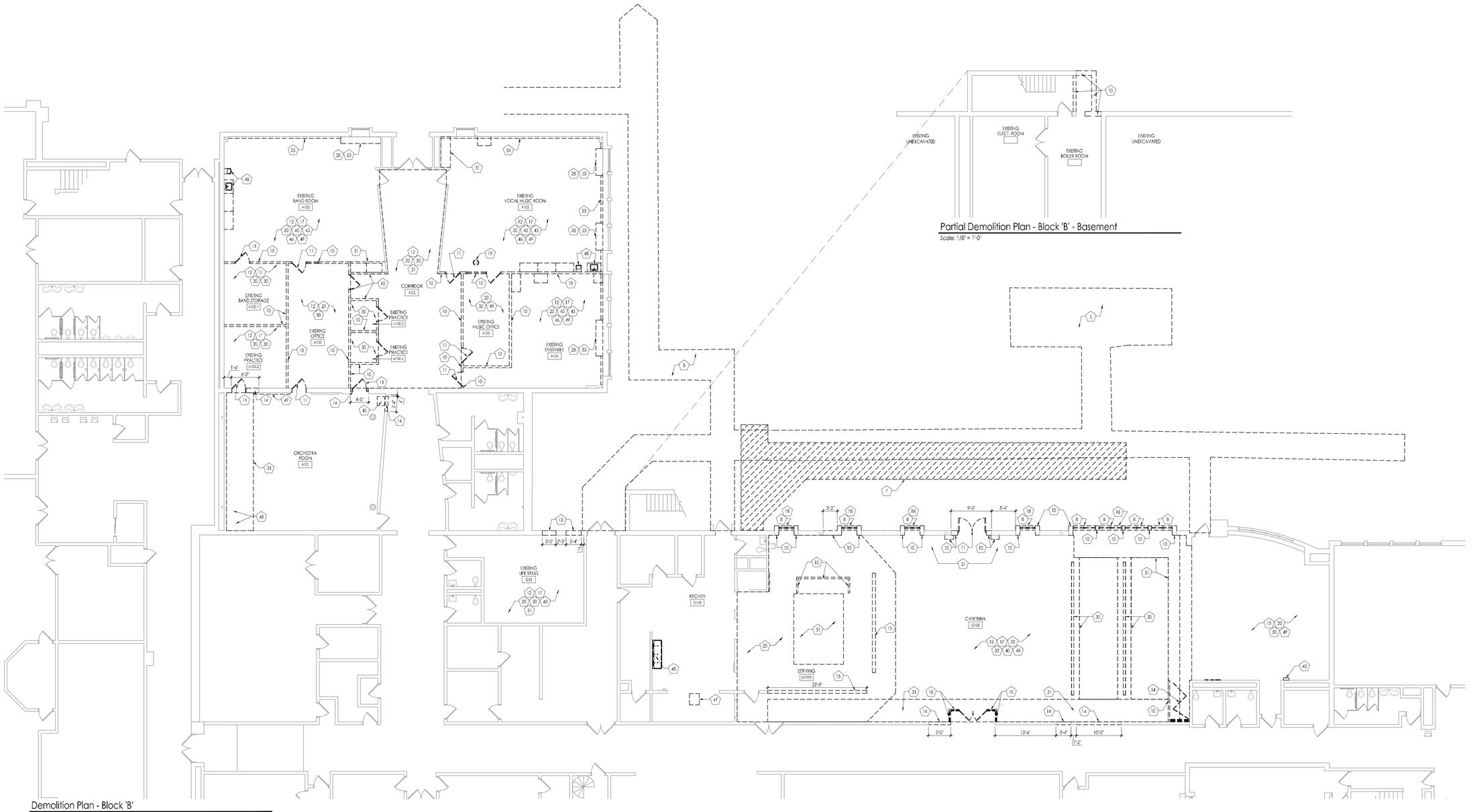
	12.15.25	NJ DCA RESPONSES

Drawing Number

A101



Partial Demolition Plan - Block 'B' - Basement

Scale: 1/8" = 1'-0"

Demolition Plan - Block 'B'

Scale: 1/8" = 1'-0"

DEMOLITION / RENOVATION NOTES: (x)

SEE GENERAL NOTES ON DEMOLITION ON THIS DRAWING.

GENERAL NOTE: THE OWNER HAS THE RIGHT OF FIRST REFUSAL FOR ALL EQUIPMENT AND FIXTURES (CABINETS, SHELVING, PLUMBING FIXTURES, ETC.) REMOVED UNDER CONTRACT. IF THE OWNER DOES NOT EXERCISE THIS RIGHT FOR AN INDIVIDUAL PIECE OF EQUIPMENT, THE CONTRACTOR SHALL REMOVE SAID EQUIPMENT FROM THE SITE.

EXTERIOR / BUILDING

1. REMOVE EXISTING INDICATED DOOR AND FRAME OR LOUVER AND FRAME IN THEIR ENTIRETY, INCLUDING ALL ASSOCIATED HARDWARE (CLOSERS, STOPS, BUMPERS, ETC.). INFILL OPENING WITH NEW WALL CONSTRUCTION. SEE FLOOR PLAN AND WALL SECTIONS. SEE HVAC DRAWINGS FOR HVAC WORK REQUIRED. CONTRACTORS SHALL TAKE ALL NECESSARY STEPS TO ENSURE BUILDING SECURITY AND WEATHERTIGHTNESS. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISHES, INCLUDING BRICK, TILE, BASE, ETC. **ALL HVAC WORK, INCLUDING DEMOLITION, PATCHING AND REPAIR, BY HVAC TRADE SUBCONTRACTOR.**
2. BRACE AND SHORE UP EXISTING CONSTRUCTION TO REMAIN ABOVE OPENING. SAWCUT AND REMOVE EXISTING WALL CONSTRUCTION TO WIDTH INDICATED ON DEMOLITION PLAN AND TO FIRST MASONRY COURSE ABOVE 6'-8" ABOVE FLOOR. INFILL OPENING WITH NEW WINDOW AND WALL CONSTRUCTION TO MATCH EXISTING AND LINTEL OF THICKNESS TO MATCH EXISTING ADJACENT WALL. SEE FLOOR PLAN. TOOTH NEW BRICK INTO EXISTING BRICK PATTERN. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO ENSURE BUILDING SECURITY AND WEATHERTIGHTNESS. FINISH ALL NEWLY EXPOSED SURFACES AND PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY RENOVATION TO MATCH EXISTING ADJACENT FINISH, INCLUDING TILE. PLASTER, ETC.
3. BRACE AND SHORE UP EXISTING CONSTRUCTION TO REMAIN ABOVE OPENING. SAWCUT AND REMOVE EXISTING WALL CONSTRUCTION TO WIDTH INDICATED ON DEMOLITION PLAN AND TO FIRST MASONRY COURSE ABOVE 8'-0" ABOVE FLOOR. INFILL OPENING WITH NEW DOOR AND WALL CONSTRUCTION TO MATCH EXISTING UNTIL OF THICKNESS TO MATCH EXISTING ADJACENT WALL. SEE FLOOR PLAN AND WALL SECTION. TOOTH NEW BRICK INTO EXISTING BRICK PATTERN. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO ENSURE BUILDING SECURITY AND WEATHERTIGHTNESS. FINISH ALL NEWLY EXPOSED SURFACES AND PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY RENOVATION TO MATCH EXISTING ADJACENT FINISH, INCLUDING TILE, PLASTER, ETC.
4. BRACE AND SHORE UP EXISTING CONSTRUCTION TO REMAIN ABOVE OPENING. SAWCUT AND REMOVE EXISTING WALL CONSTRUCTION TO WIDTH INDICATED ON DEMOLITION PLAN AND TO FIRST MASONRY COURSE ABOVE 8'-0" ABOVE FLOOR. INSTALL NEW LINTEL OF THICKNESS TO MATCH EXISTING ADJACENT WALL AND WIDTH TO ACCOMMODATE NEW OPENING SIZE. SEE FLOOR PLAN AND WALL SECTION. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO ENSURE BUILDING SECURITY AND WEATHERTIGHTNESS. FINISH ALL NEWLY EXPOSED SURFACES AND PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY RENOVATION TO MATCH EXISTING ADJACENT FINISH, INCLUDING TILE. PLASTER, ETC.
5. DEMOLISH AND REMOVE EXISTING SIDEWALKS AND DRIVEWAYS TO THE EXTENT SHOWN. SEE CIVIL DRAWINGS FOR ADDITIONAL CIVIL WORK REQUIRED. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISHES, INCLUDING BRICK, ETC. UNLESS NOTED OTHERWISE ON SITE WORK DRAWINGS. ALL SITE WORK DEMOLITION WORK IN THIS AREA SHALL BE BY THE GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY SITE WORK DEMOLITION TO MATCH EXISTING ADJACENT FINISH. SEE SITE WORK DRAWINGS FOR ADDITIONAL INFORMATION.
6. SAWCUT AND DEMOLISH EXISTING CONCRETE PAD, STAIRS AND/OR FLOOR SLAB IN ITS ENTIRETY INCLUDING FOUNDATION AND FROST CURB TO EXTENT AS INDICATED IN WALL SECTION. RE-GRADE AND RE-SEED AT EXTERIOR TO MATCH EXISTING ADJACENT GRADE. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY DEMOLITION TO MATCH EXISTING ADJACENT FINISH. ALL WORK BY G.C.
7. DEMOLISH AND REMOVE EXISTING SIDEWALKS AND GRADE TO THE EXTENT SHOWN. SEE CIVIL DRAWINGS FOR ADDITIONAL CIVIL WORK REQUIRED. EXCAVATE TO DEPTH REQUIRED TO CREATE NEW UTILITY TUNNEL - SEE PLAN ON DRAWING A105. PLUMBING / HVAC / ELECTRICAL AND STRUCTURAL DRAWINGS. EXISTING UTILITIES SHALL REMAIN IN SERVICE UNTIL READY FOR SWITCHOVER. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISHES, INCLUDING BRICK, ETC. UNLESS NOTED OTHERWISE ON SITE WORK DRAWINGS. ALL SITE WORK DEMOLITION WORK IN THIS AREA SHALL BE BY THE GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY SITE WORK DEMOLITION TO MATCH EXISTING ADJACENT FINISH. FOR ADDITIONAL INFORMATION REFER TO CIVIL, STRUCTURAL AND MEP DRAWINGS.
8. REMOVE EXISTING WINDOW AND FRAME IN THEIR ENTIRETY. NOTE: EXISTING STRUCTURAL COLUMNS SHALL REMAIN. INFILL OPENING WITH NEW WALL CONSTRUCTION - SEE FLOOR PLAN AND WALL SECTIONS. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO ENSURE BUILDING SECURITY AND WEATHERTIGHTNESS. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL. MATCH EXISTING ADJACENT FINISHES, INCLUDING BRICK, TILE, BASE, ETC.
9. REMOVE EXISTING WINDOW AND FRAME IN THEIR ENTIRETY. INSTALL NEW DOOR AND FRAME - SEE FLOOR PLAN AND DOOR SCHEDULE. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO ENSURE BUILDING SECURITY AND WEATHERTIGHTNESS. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL. MATCH EXISTING ADJACENT FINISHES, INCLUDING BRICK, TILE, BASE, ETC.

WALLS

10. BRACE AND SHORE UP EXISTING ADJACENT WALL CONSTRUCTION TO REMAIN. DEMOLISH AND REMOVE INDICATED EXISTING WALLS IN THEIR ENTIRETY FULL HEIGHT. **NOTE: ALL EXISTING STRUCTURAL COLUMNS SHALL REMAIN.** PATCH ADJACENT FLOOR TO SUIT NEW CONDITIONS. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISH.
11. REMOVE EXISTING DOOR AND FRAME OR WINDOW AND FRAME OR TRANSACTION WINDOW IN THEIR ENTIRETY, INCLUDING ALL ASSOCIATED HARDWARE (CLOSERS, STOPS, BUMPERS, ETC.) AND APPURTENANCES (COUNTER SHUTTER, ETC.) PATCH AND REPAIR ALL DAMAGE CAUSED BY REMOVAL. MATCH EXISTING ADJACENT FINISHES, INCLUDING BRICK, TILE, FLOORING, BASE, ETC.
12. ON EXISTING WALLS TO REMAIN, REMOVE WALL FINISH (TILE, PANELING, WALL PAPER, ACOUSTIC PANELS, ETC., **BUT NOT PLASTER**) IN ITS ENTIRETY DOWN TO SUBSTRATE. CLEAN AND PREPARE WALL TO RECEIVE NEW FINISH. SEE ROOM FINISH SCHEDULE FOR NEW FINISH.
13. CLEAN AND PREPARE EXISTING TILE WALL FINISH TO RECEIVE NEW PAINT. SEE ROOM FINISH SCHEDULE AND SPECIFICATION.
14. SAWCUT AND DEMOLISH EXISTING WALL CONSTRUCTION TO WIDTH INDICATED ON DEMOLITION PLAN AND FROM FLOOR TO STRUCTURE ABOVE. **NOTE: EXISTING STRUCTURAL COLUMNS SHALL REMAIN UNLESS NOTED OTHERWISE.** PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY DEMOLITION TO MATCH EXISTING ADJACENT FINISH.
15. SAWCUT AND REMOVE EXISTING LOW WALL CONSTRUCTION TO EXTENT INDICATED ON DEMOLITION PLAN. NOTE: ALL EXISTING STRUCTURAL COLUMNS SHALL REMAIN. SEE FLOOR PLAN FOR RENOVATED CONDITION. PATCH AND REPAIR ALL DAMAGE CAUSED BY RENOVATION. MATCH EXISTING ADJACENT FINISH UNLESS SHOWN OTHERWISE ON PLANS. FINISH ALL NEWLY EXPOSED SURFACES TO MATCH EXISTING ADJACENT CONDITIONS. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL.
16. BRACE AND SHORE UP EXISTING ADJACENT WALL AND ROOF CONSTRUCTION TO REMAIN. SAWCUT AND REMOVE EXISTING WALL CONSTRUCTION TO WIDTH INDICATED ON DEMOLITION PLAN AND FROM FLOOR TO UNDERSIDE OF ROOF DECK ABOVE. INFILL OPENING WITH NEW WALL CONSTRUCTION AND STEEL ROOF BEAM. SEE FLOOR PLAN AND WALL SECTIONS. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISH.
17. IN INDICATED AREAS, CLEAN ENTIRE SURFACE OF EXISTING INTERIOR BRICK WALLS TO REMAIN. IN LOCATIONS OF DETERIORATED, CRACKED OR DISCOLORED MORTAR, RAKE OUT MORTAR JOINT TO A DEPTH OF ONE-THIRD THE DEPTH OF THE BRICK. CLEAN AND PREPARE THE JOINT TO RECEIVE NEW MORTAR OF COLOR TO MATCH THE EXISTING MORTAR ADJACENT TO REMAIN.
18. BRACE AND SHORE UP EXISTING ADJACENT WALL AND ROOF CONSTRUCTION TO REMAIN. SAWCUT AND REMOVE EXISTING PROJECTED WALL CONSTRUCTION, WINDOW ASSEMBLIES AND METAL ROOF AS INDICATED ON DEMOLITION PLAN. INFILL OPENING WITH NEW WALL CONSTRUCTION. SEE FLOOR PLAN AND WALL SECTIONS. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL. MATCH EXISTING ADJACENT FINISH.
19. DEMOLISH AND REMOVE EXISTING INTERIOR COLUMN WRAPPING WALLS IN THEIR ENTIRETY. INSTALL NEW INTERIOR COLUMN WRAPPING WALLS. **NOTE: ALL EXISTING STRUCTURAL COLUMNS AND EXISTING VAULT WALLS AND DOORS SHALL REMAIN.** PATCH ADJACENT FLOOR SLAB TO SUIT NEW CONDITIONS. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL.

FLOORS

20. REMOVE EXISTING BASE. REMOVE FLOOR FINISH DOWN TO CONCRETE SLAB, INCLUDING ALL ADHESIVES. CLEAN, PREPARE & LEVEL EXISTING FLOOR SLAB WITH SELF-LEVELING UNDERLAYMENT (COMPATIBLE WITH NEW FLOOR FINISHES) OVER **ENTIRE SURFACE OF EXISTING FLOOR** TO MAKE FLOOR LEVEL AND FLUSH. INSTALL NEW FLOOR FINISH AND BASE. SEE ROOM FINISH SCHEDULE AND SPECIFICATION SECTION 03450.
21. SAWCUT EXISTING CONCRETE SLAB AND OR EXISTING FLOOR CONSTRUCTION TO EXTENT SHOWN ON DEMO PLANS. REMOVE EXISTING CONCRETE SLAB AND OR EXISTING FLOOR CONSTRUCTION AND PREP FOR NEW WORK. REFER TO A300 SERIES DRAWINGS. PATCH AND REPAIR ALL DAMAGE CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISH.
22. NOT USED.
23. NOT USED.
24. NOT USED.
25. NOT USED.
26. NOT USED.
27. NOT USED.
28. PATCH AND REPAIR ALL DAMAGE AND VOIDS, ESPECIALLY FLOOR DAMAGE, RESULTING FROM DEMOLITION AND REMOVAL OF EXISTING UNIT VENTILATOR AND ASSOCIATED CASEWORK AND APPURTENANCES. MATCH EXISTING ADJACENT FINISH. SEE ROOM FINISH SCHEDULE.
29. NOT USED.

CEILINGS

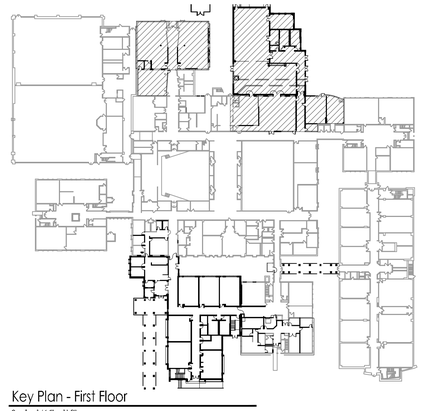
30. REMOVE EXISTING CEILING CONSTRUCTION IN ITS ENTIRETY. PATCH, PLUG AND FILL ALL OPENINGS IN ADJACENT WALL, ETC. TO RESTORE TO A UNIFORM, FLUSH, CONTINUOUS SURFACE TO RECEIVE NEW FINISHES - SEE ROOM FINISH SCHEDULE. PATCH AND REPAIR ALL DAMAGE CAUSED BY REMOVAL. MATCH EXISTING ADJACENT FINISH. **ALL PLUMBING / HVAC / ELECTRICAL WORK, INCLUDING DEMOLITION, PATCHING AND REPAIR, BY RESPECTIVE TRADE SUBCONTRACTOR.**
31. DEMOLISH AND REMOVE INDICATED EXISTING SOFFIT IN ITS ENTIRETY, INCLUDING ALL SUB-FRAMING. PATCH AND REPAIR ALL DAMAGE CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISH. **ALL PLUMBING / HVAC / ELECTRICAL WORK, INCLUDING DEMOLITION, PATCHING AND REPAIR BY RESPECTIVE TRADE SUBCONTRACTOR.**
32. CLEAN AND PREPARE EXISTING STRUCTURE, DECK, ETC. TO REMAIN TO RECEIVE NEW FINISH. SEE ROOM FINISH SCHEDULE FOR NEW FINISH.
33. EXISTING ACOUSTICAL CEILING BOARDS AND EXISTING CEILING GRID SHALL BE REMOVED OR MODIFIED AS NEEDED PRIOR TO START OF RENOVATION. PATCH AND REPAIR ALL DAMAGE CAUSED BY RENOVATION TO MATCH EXISTING ADJACENT FINISHES. **ALL PLUMBING / HVAC / ELECTRICAL WORK, INCLUDING DEMOLITION, PATCHING AND REPAIR BY RESPECTIVE TRADE SUBCONTRACTOR.**
34. AT ALL LOCATIONS OF RUST AT EXPOSED ROOF STRUCTURAL TRUSS JOINTS, REMOVE EXISTING RUST WITH WIRE BRUSHING AND APPLY TWO THIN COATS OF COLD GALVANIZING PAINT. CONTRACTOR IS ADVISED THAT THIS WORK IS OVER AN EXISTING SWIMMING POOL. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO PREVENT CONTAMINATION OF THE WATER FROM DUST, PAINT CHIPS, SPLATTER, ETC., AND TO PREVENT DAMAGE TO EXISTING FLOOR OR WALL TILE. ALL WORK SHALL BE COORDINATED WITH THE SCHOOL DISTRICT. ANY DAMAGE TO THE POOL, SURROUNDINGS, FURNITURE, STRUCTURE, ETC. SHALL BE REMEDIED (BY REPAIR OR REPLACEMENT) BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
35. NOT USED.
36. NOT USED.
37. NOT USED.
38. NOT USED.
39. NOT USED.

EQUIPMENT

40. REMOVE EXISTING CABINETS, EQUIPMENT, APPLIANCES, LOCKERS, CURTAINS, TOILET PARTITIONS, MIRRORS, BENCHES, SHELVES, ACOUSTIC WALL PANELS, GUARDRAILS, AND/OR HANDRAILS IN THEIR ENTIRETY. SEE GENERAL NOTE. PATCH, PLUG AND FILL ALL OPENINGS IN ADJACENT WALL, FLOOR, ETC. TO RESTORE TO A UNIFORM, FLUSH, CONTINUOUS SURFACE. FINISH ALL NEWLY EXPOSED SURFACES AND PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISH.
41. REMOVE EXISTING TOILET ACCESSORIES (SOAP DISPENSERS, PAPER TOWEL DISPENSERS, ETC.) IN THEIR ENTIRETY. SEE GENERAL NOTE. PATCH, PLUG AND FILL ALL OPENINGS IN ADJACENT WALL, ETC., TO RESTORE TO A UNIFORM, FLUSH, CONTINUOUS SURFACE TO RECEIVE NEW FINISHES. SEE ROOM FINISH SCHEDULE. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISH.
42. REMOVE INDICATED EXISTING CORRIDOR LOCKERS IN THEIR ENTIRETY. CONCRETE BASES SHALL BE DEMOLISHED IN ITS ENTIRETY. SEE GENERAL NOTE. FINISH ALL NEWLY EXPOSED SURFACES TO REMAIN TO RESTORE TO A FINISHED LEVEL/PLUMB CONDITION AND ALIGN WITH EXISTING ADJACENT SURFACES. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL, MATCH EXISTING ADJACENT FINISH.
43. REMOVE AND STORE EXISTING INTERACTIVE BOARDS AND ALL APPURTENANCES. AFTER RENOVATION IS COMPLETE, REINSTALL IN NEW LOCATIONS AS SHOWN ON ROOM LAYOUTS.
44. DEMOLISH AND REMOVE EXISTING DISPLAY CASE AND ALL APPURTENANCES IN THEIR ENTIRETY INCLUDING LIGHT FIXTURES AND WALL CONSTRUCTION ABOVE AND BELOW. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL.
45. DE-ENERGIZE, DISCONNECT AND REMOVE EXISTING AV EQUIPMENT. REINSTALL, RECONNECT AND RE-ENERGIZE IN NEW LOCATION AS COORDINATED WITH ARCHITECT AND OWNER.
46. DEMOLISH AND REMOVE EXISTING TACK STRIPS IN THEIR ENTIRETY INCLUDING MECHANICAL FASTENERS. PATCH, PLUG, FILL AND REFINISH ALL OPENINGS LEFT IN WALL AFTER REMOVAL, INCLUDING THOSE FROM TACK STRIPS PREVIOUSLY REMOVED. RESTORE TO A FINISHED LEVEL/PLUMB CONDITION TO MATCH EXISTING ADJACENT SURFACE FINISHES.
47. DEMOLISH EXISTING DISHWASHING AND TRAY WASHING EQUIPMENT AND ALL ASSOCIATED APPURTENANCES IN THEIR ENTIRETY. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISH. **COORDINATE ANY ELECTRICAL AND PLUMBING DEMOLITION REQUIRED WITH THE ELECTRICAL AND PLUMBING TRADE SUBCONTRACTORS.**
48. REMOVE EXISTING PLUMBING FIXTURES IN THEIR ENTIRETY INCLUDING ALL RELATED PIPING. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION AND PROCEDURES. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISH. **COORDINATE ANY ELECTRICAL AND PLUMBING DEMOLITION REQUIRED WITH THE ELECTRICAL AND PLUMBING TRADE SUBCONTRACTORS.**
49. REMOVE EXISTING DRY MARKER BOARDS, CHALKBOARDS, EXHIBITION BOARDS, AND MIRRORS IN THEIR ENTIRETY. IF WALL IS TO REMAIN, PATCH SUBSTRATE UP TO A MAXIMUM DEPTH OF 4" BEHIND REMOVED ITEMS TO PROVIDE A UNIFORM, FLUSH, CONTINUOUS SURFACE TO RECEIVE NEW FINISHES. SEE ROOM FINISH SCHEDULE. PATCH AND REPAIR ALL DAMAGE CAUSED BY RENOVATION. MATCH EXISTING ADJACENT FINISH.

MISCELLANEOUS

50. REMOVE EXISTING SIGNAGE. AT ALL LOCATIONS OF SIGN FASTENERS, REMOVE ANY EXISTING BRICK AND MORTAR THAT IS NOT SOUND AND INTACT AND REPLACE WITH NEW BRICK AND MORTAR TO MATCH EXISTING. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL.
51. DISCONNECT, REMOVE AND STORE EXISTING ELECTRIC RANGE/OVEN. SEE ROOM LAYOUT AND ELECTRICAL DRAWINGS FOR LOCATION OF NEW ELECTRIC RANGE/OVEN. **ALL ELECTRICAL WORK, INCLUDING DISCONNECTING EXISTING RANGE AND CONNECTING NEW RANGE AND OVEN, BY ELECTRICAL TRADE SUBCONTRACTOR.** PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL.
52. REMOVE AND STORE EXISTING DEDICATION PLAQUE AND ALL APPURTENANCES. PRIOR TO RENOVATION, GENERAL CONTRACTOR SHALL PATCH EXISTING WALL TO RESTORE TO A UNIFORM SURFACE. AFTER NEW WALL FINISH IS INSTALLED, REINSTALL PLAQUE IN NEW LOCATION. SEE INTERIOR ELEVATIONS FOR MORE INFORMATION.
53. REMOVE EXISTING UNIT VENTILATOR IN ITS ENTIRETY. SEE GENERAL NOTE. PATCH, PLUG AND FILL ALL OPENINGS IN ADJACENT WALL, FLOOR, ETC. TO RESTORE TO A UNIFORM, FLUSH, CONTINUOUS SURFACE. FINISH ALL NEWLY EXPOSED SURFACES AND PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISH.
54. REMOVE EXISTING FOLDING WALL PARTITION IN ITS ENTIRETY. SEE GENERAL NOTE. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL.
55. REMOVE EXISTING FIN TUBE RADIATION. REFER TO HVAC DRAWINGS.



Key Plan - First Floor

Scale: 1/64" = 1'-0"

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Project Name

Addition and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Lane, Princeton, NJ 08540

Project Number: 5516B

Project Date: 10.10.2025

Checked By: GRD

Drawn By: NEH

Scale: 1/8" = 1'-0"

Drawing Name

Demolition Plan - Block 'B' - First Floor

Revisions		
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

Drawing Number

A102

Floor Plan - Block 'A' - First Floor

Scale: 1/8" = 1'-0"

Partial Floor Plan - Block 'A' - Courtyard Alt. Bid No. MS-3

Scale: 1/8" = 1'-0"

Key Plan - First Floor

Scale: 1/64" = 1'-0"

PLAN LEGEND

- BRICK
- NEW CMU PARTITION
- NEW GYPSUM BOARD PARTITION - MFL. STUDS (SEE FLOOR PLAN OR WALL SECTIONS FOR DEPTH) @ 16" O.C. W/ SOUND ATTENUATION BLANKET AND 5/8" GYPSUM BOARD EACH SIDE (FFP - U.N.O.) GYPSUM BOARD AT LOCATIONS ADJACENT TO SINKS SHALL BE IMPACT / WATER RESISTANT GYPSUM BOARD.
- FE-1 NEW FIRE EXTINGUISHER IN SEMI-RECESSED CABINET (CMU WALL) - SEE DETAIL 5 / G003
- FE-2 NEW FIRE EXTINGUISHER ON BRACKET
- AED AED CABINET (SEMI-RECESSED) - SEE DETAIL 5A / G003
- WB WHITEBOARD - SEE SPECIFICATIONS
- DMB DRY MARKER BOARD - SEE SPECIFICATIONS AND DETAIL 4 / Axxx
- EB EXHIBITION BOARD - SEE SPECIFICATIONS AND DETAIL 5 / Axxx
- NEW / EXISTING 2-HOUR RATED FIRE WALL
- NEW / EXISTING 1-HOUR RATED FIRE BARRIER WALL
- NEW / EXISTING 1-HOUR RATED CORRIDOR FIRE PARTITION

NEW FIRE RATED WALLS SHALL BE CONSTRUCTED OF CONCRETE MASONRY UNITS (CMU) PER UL DES U905 FOR 8" CMU AND THICKER AND PER UL DES U906 FOR 6" CMU. SEE DETAILS 8 & 9 / G003. SEE FLOOR PLANS, WALL SECTIONS AND PLAN DETAILS FOR LOCATIONS AND ACTUAL CMU THICKNESS.

PLAN NOTES

1. ALL NEW WALLS SHALL EXTEND TO UNDERSIDE OF ROOF OR FLOOR DECK ABOVE UNLESS NOTED OTHERWISE.
2. IN ALL LOCATIONS WHERE NEW STEEL STUD AND GYPSUM BOARD WALL CONSTRUCTION IS INDICATED, PROVIDE CONTROL JOINTS AT SPACING NOT TO EXCEED 24'-0" O.C. FINAL LOCATIONS OF CONTROL JOINTS TO BE SUBMITTED TO ARCHITECT FOR REVIEW AND APPROVAL.
3. ALL EXPOSED EXTERIOR STEEL LINTELS SHALL BE PAINTED GALVANIZED STEEL.
4. ALL BIDDERS MUST VISIT THE SITE AND VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO SUBMITTING A BID. IF ANY DISCREPANCIES OR OMISSIONS ARE FOUND, THE BIDDER(S) MUST NOTIFY THE ARCHITECT OF THESE IN WRITING, AT LEAST TEN (10) WORKING DAYS PRIOR TO RECEIPT OF BIDS. IF THEY DO NOT DO SO ANY MODIFICATION OR CORRECTION SHALL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

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10/10/25
Date

Architect

FVHD Architects Fraytak Velez Hopkins Duthie PC

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F V H D P C . C O M

Project Name

Addition and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Lane, Princeton, NJ 08540

Project Number	5516B
Project Date	10.10.2025
Checked By	GRD
Drawn By	NEH, ETS
Scale	1/8" = 1'-0"

Drawing Name

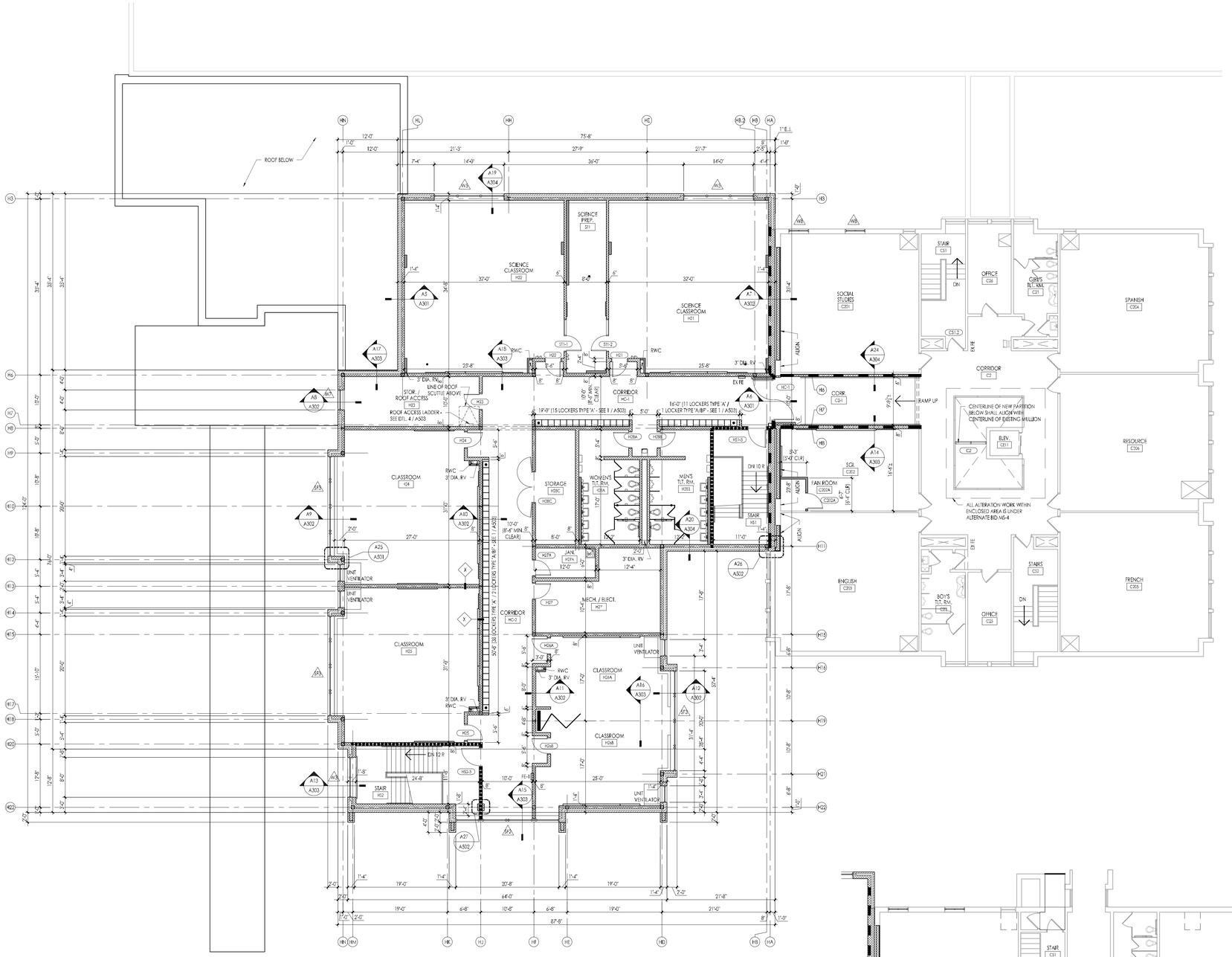
Floor Plan - Block 'A' - First Floor

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	NJ DCA RESPONSES

Drawing Number

A103



Floor Plan - Block 'A' - Second Floor

Scale: 1/8" = 1'-0"

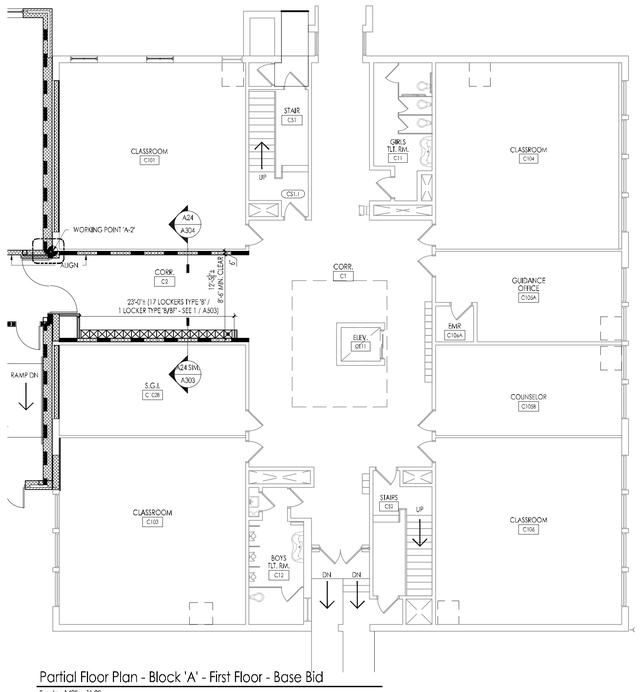
PLAN LEGEND

- BRICK
- NEW CMU PARTITION
- NEW GYPSUM BOARD PARTITION - MTL. STUDS (SEE RLOOR PLAN OR WALL SECTIONS FOR DEPTH) @ 16" O.C. W/ SOUND ATTENUATION BLANKET AND 5/8" GYPSUM BOARD EACH SIDE (TYP. U.N.O.). GYPSUM BOARD AT LOCATIONS ADJACENT TO SINKS SHALL BE IMPACT / WATER RESISTANT GYPSUM BOARD.
- FE-1 NEW FIRE EXTINGUISHER IN SEMI-RECESSED CABINET (CMU WALL) - SEE DETAIL 5 / G003
- FE-2 NEW FIRE EXTINGUISHER ON BRACKET
- AED AED CABINET (SEMI-RECESSED) - SEE DETAIL 5A / G003
- WB WHITEBOARD - SEE SPECIFICATIONS
- DMB DRY-MARKER BOARD - SEE SPECIFICATIONS AND DETAIL 4 / Axxx
- EB EXHIBITION BOARD - SEE SPECIFICATIONS AND DETAIL 5 / Axxx
- NEW / EXISTING 2-HOUR RATED FIRE WALL
- NEW / EXISTING 1-HOUR RATED FIRE BARRIER WALL
- NEW / EXISTING 1-HOUR RATED CORRIDOR FIRE PARTITION

NEW FIRE RATED WALLS SHALL BE CONSTRUCTED OF CONCRETE MASONRY UNITS (CMU) PER UL DES U905 FOR 8" CMU AND THICKER AND PER UL DES U906 FOR 6" CMU. SEE DETAILS 8 & 9 / G003. SEE FLOOR PLANS, WALL SECTIONS AND PLAN DETAILS FOR LOCATIONS AND ACTUAL CMU THICKNESS..

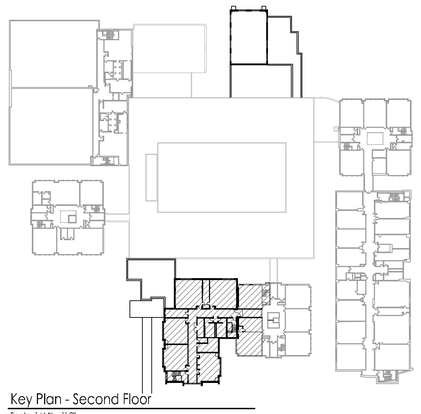
PLAN NOTES

1. ALL NEW WALLS SHALL EXTEND TO UNDERSIDE OF ROOF OR FLOOR DECK ABOVE UNLESS NOTED OTHERWISE.
2. IN ALL LOCATIONS WHERE NEW STEEL STUD AND GYPSUM BOARD WALL CONSTRUCTION IS INDICATED, PROVIDE CONTROL JOINTS AT SPACING NOT TO EXCEED 30'-0" O.C. IRUN. LOCATIONS OF CONTROL JOINTS TO BE SUBMITTED TO ARCHITECT FOR REVIEW AND APPROVAL.
3. ALL EXPOSED EXTERIOR STEEL LINTELS SHALL BE PAINTED GALVANIZED STEEL.
4. ALL BIDDERS MUST VISIT THE SITE AND VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO SUBMITTING A BID. IF ANY DISCREPANCIES OR OMISSIONS ARE FOUND, THE BIDDER(S) MUST NOTIFY THE ARCHITECT OF THESE IN WRITING, AT LEAST TEN (10) WORKING DAYS PRIOR TO RECEIPT OF BIDS. IF THEY DO NOT DO SO, ANY MODIFICATION OR CORRECTION SHALL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.



Partial Floor Plan - Block 'A' - First Floor - Base Bid

Scale: 1/8" = 1'-0"



Key Plan - Second Floor

Scale: 1/64" = 1'-0"

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10/10/25 GRD

Architect

Project Name

Addition and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Lane, Princeton, NJ 08540

Project Number	5516B
Project Date	10.10.2025
Checked By	GRD
Drawn By	NEH, ETS
Scale	1/8" = 1'-0"

Drawing Name

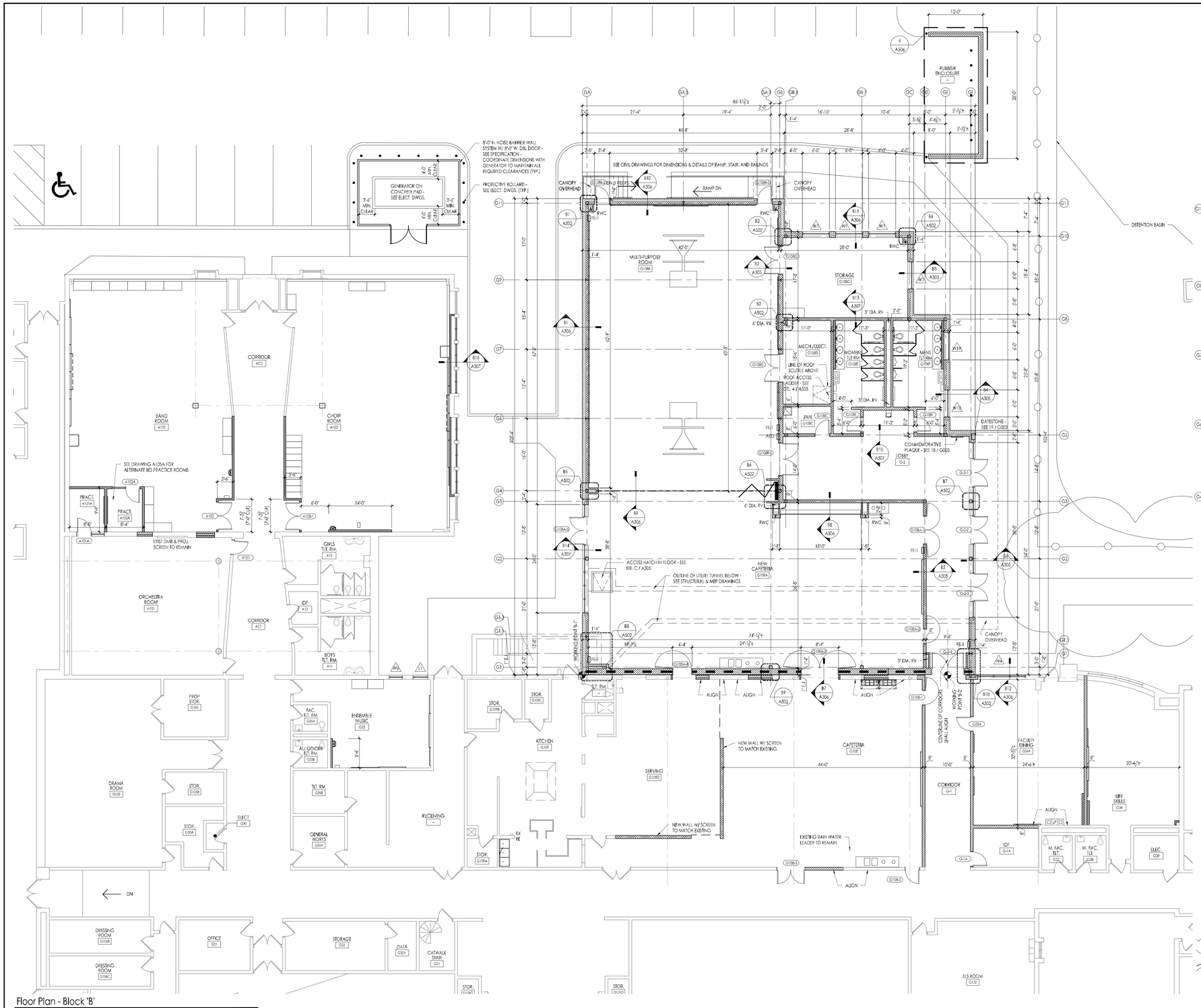
Floor Plan - Block 'A' - Second Floor

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.15.25	NJ DCA RESPONSES

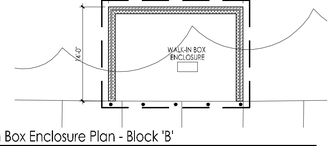
Drawing Number

A104



High Window Plan - Block 'B'

Scale: 1/8" = 1'-0"



Walk-In Box Enclosure Plan - Block 'B'

Scale: 1/8" = 1'-0"

Floor Plan - Block 'B'

Scale: 1/8" = 1'-0"

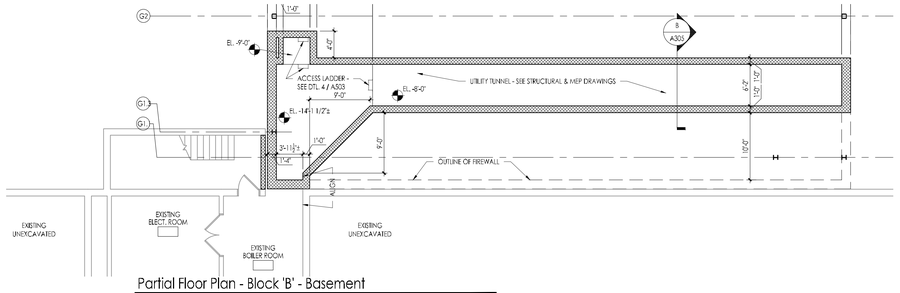
PLAN LEGEND

- BRICK
- NEW CMU PARTITION
- NEW GYPSUM BOARD PARTITION - MTL. STUDS (SEE FLOOR PLAN OR WALL SECTIONS FOR DEPTH) @ 16" O.C. W/ SOUND ATTENUATION BLANKET AND 5/8" GYPSUM BOARD EACH SIDE (TYP. U.N.O.). GYPSUM BOARD AT LOCATIONS ADJACENT TO SINKS SHALL BE IMPACT / WATER RESISTANT GYPSUM BOARD.
- FE-1 NEW FIRE EXTINGUISHER IN SEMI-RECESSED CABINET (CMU WALL) - SEE DETAIL 5 / G003
- FE-2 NEW FIRE EXTINGUISHER ON BRACKET
- AED AED CABINET (SEMI-RECESSED) - SEE DETAIL 5A / G003
- WB WHITEBOARD - SEE SPECIFICATIONS
- DMB DRYMARKER BOARD - SEE SPECIFICATIONS AND DETAIL 4 / Axxx
- EB EXHIBITION BOARD - SEE SPECIFICATIONS AND DETAIL 5 / Axxx
- NEW / EXISTING 2-HOUR RATED FIRE WALL
- NEW / EXISTING 1-HOUR RATED FIRE BARRIER WALL
- NEW / EXISTING 1-HOUR RATED CORRIDOR FIRE PARTITION

NEW FIRE RATED WALLS SHALL BE CONSTRUCTED OF CONCRETE MASONRY UNITS (CMU) PER UL EIES UR06 FOR 8" CMU AND THICKER AND PER UL EIES UR06 FOR 6" CMU. SEE DETAILS 8 & 9 / G003. SEE FLOOR PLANS, WALL SECTIONS AND PLAN DETAILS FOR LOCATIONS AND ACTUAL CMU THICKNESS.

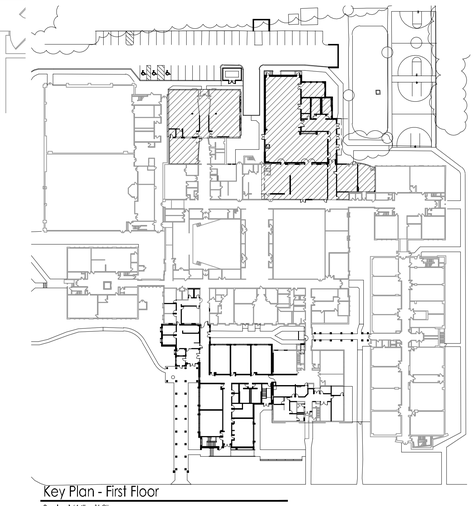
PLAN NOTES

1. ALL NEW WALLS SHALL EXTEND TO UNDERSIDE OF ROOF OR FLOOR DECK ABOVE UNLESS NOTED OTHERWISE.
2. IN ALL LOCATIONS WHERE NEW STEEL STUD AND GYPSUM BOARD WALL CONSTRUCTION IS INDICATED, PROVIDE CONTROL JOINTS AT SPACING NOT TO EXCEED 24'-0" O.C. FINAL LOCATIONS OF CONTROL JOINTS TO BE SUBMITTED TO ARCHITECT FOR REVIEW AND APPROVAL.
3. ALL EXPOSED EXTERIOR STEEL UNLESS SHALL BE PAINTED GALVANIZED STEEL.
4. ALL BIDDERS MUST VISIT THE SITE AND VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO SUBMITTING A BID. IF ANY DISCREPANCIES OR OMISSIONS ARE FOUND, THE BIDDER(S) MUST NOTIFY THE ARCHITECT OF THESE, IN WRITING, AT LEAST TEN (10) WORKING DAYS PRIOR TO RECEIPT OF BIDS. IF THEY DO NOT DO SO, ANY MODIFICATION OR CORRECTION SHALL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.



Partial Floor Plan - Block 'B' - Basement

Scale: 1/8" = 1'-0"



Key Plan - First Floor

Scale: 1/64" = 1'-0"

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N.J. - 21AI05000100 | PA - RA410455
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Date 10/10/25

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Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

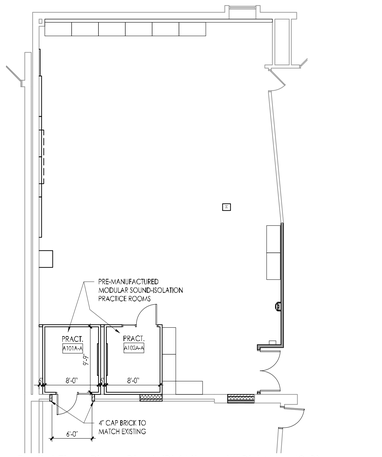
Project Number	5516B
Project Date	10.10.2025
Checked By	GRD
Drawn By	NEH, ETS
Scale	1/8" = 1'-0"

Drawing Name
Floor Plan - Block 'B'

Revisions

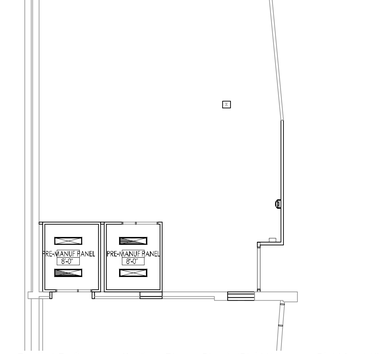
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

Drawing Number
A105



Partial Floor Plan - Block 'B' (Alternate Bid No. MS-2)

Scale: 1/8" = 1'-0"



Partial Reflected Ceiling Plan - Block 'B' (Alternate Bid No. MS-2)

Scale: 1/8" = 1'-0"

SECTION 13200 - SPECIAL PURPOSE ROOMS

PART 1 GENERAL

1.1. SECTION INCLUDES

1.1.1. Modular sound-isolation practice rooms.

1.2. RELATED SECTIONS

1.2.1. Division 13 for fire suppression sections for connection to building sprinkler system.

1.2.2. Division 16 electrical wiring sections for connection to building electrical system.

1.3. DEFINITIONS

1.3.1. Noise Isolation Class (NIC): Single number rating used to describe noise reduction between two enclosed spaces that are acoustically connected, based upon ASTM E 596 and ASTM E 336.

1.3.2. Noise Criterion (NC): Single number rating used to describe background noise levels due to ventilation equipment, lighting, etc. per ASTM E336.

1.3.3. Sound Transmission Class (STC): Single number quantifier used to rate partitions, doors and windows for their effectiveness in blocking sound per ASTM E90.

1.4. SYSTEM DESCRIPTION

1.4.1. Sound-Isolation Practice Rooms: Factory-fabricated, modular, sound-isolation enclosures with sound transmission characteristics meeting requirements. Enclosures shall be internally wired for power, lighting, and ventilation controls. Site-fabricated enclosures and enclosures with site-installed gaskets and sealants shall not be allowed. Modifications to room on site affect acoustical performance and laboratory test data.

1.4.1.1. Rooms shall be assembled from factory-gasketed modular components that allow reconfiguration and relocation without component modification or loss of acoustical performance.

1.4.1.2. Interior Room Height: 8 feet 0 inches (2438 mm).

1.5. PERFORMANCE REQUIREMENTS

1.5.1. Airborne Noise Reduction: Sound-isolation practice rooms with 410 cu. ft. (11.6 cu. m) interior volume, 34 percent perforated interface panels, 12 inch (304 mm) airspace between modules, mounted on concrete floor construction, tested as follows:

1.5.1.1. NIC 41 from exterior to interior of module, per independent lab test.

1.5.1.2. NIC 63 from interior of one module to interior of adjacent module, with 12 inches (304 mm) airspace between modules, per independent lab test.

1.5.2. Ambient Noise at Center of sound-isolation room: Lighting and ventilating systems operating, per ANSI S 12.2: not exceeding NC 25.

1.5.3. Reverberation Time: Sound-Isolation Practice Rooms with 640 cu. ft. (18.12 cu. m) interior volume: In contiguous octave bands, center frequencies from 125 to 4000 Hz, per ASTM C 423: 0.45 plus or minus 0.10 seconds.

1.5.4. Sound-Isolating Door Sound Transmission Class: With full window, per internal testing only: STC 46.

1.5.5. HVAC Ceiling Panel Sound Transmission Class: Per internal testing only: STC 45.

1.5.6. Safety Glazing Products: 16 CFR 1201.

1.5.7. Seismic Performance: Comply with ASCE 7, "Minimum Design Loads for Buildings and Other Structures": Section 9 "Earthquake Loads" based upon seismic design criteria indicated.

1.6. SUBMITTALS

1.6.1. Product Data: Manufacturer's data sheets, installation instructions, and maintenance recommendations.

1.6.2. Shop Drawings: Prepared by manufacturer. Include elevations showing sound-isolation practice room components and details of each condition of installation. Show fabrication and installation details. Include plans, elevations, sections, details, and connections and attachments to other work.

1.6.2.1. Indicate seismic bracing and fastening requirements.

1.6.3. Samples: For each color and finish for each exposed practice room component.

1.6.4. Operation and Maintenance Data.

1.6.5. Warranty: Submit manufacturer's standard warranty statement.

1.7. QUALITY ASSURANCE

1.7.1. Manufacturer Qualifications: Approved manufacturer listed in this section, with minimum 10 years experience in manufacture of sound-isolation practice rooms. Obtain sound-isolation practice rooms through one source from a single approved manufacturer.

1.7.2. Fire-Test-Response Characteristics per ASTM E 84 or UL Standard 723: Flame spread index: 25 or less; Smoke developed index: 450 or less.

1.7.3. Safety Glass: Products complying with testing requirements in 16 CFR 1201 for Category II materials.

1.7.3.1. Regulatory Requirements: Where components are indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA) and Architectural Barriers Act (ABA) Accessibility Guidelines for Buildings and Facilities".

1.7.4. Electrical Components: Listed and labeled per NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction.

1.8. DELIVERY, STORAGE, AND HANDLING

1.8.1. Deliver, store, and handle components of sound-isolation practice rooms in accordance with manufacturer's recommendations. Ship to jobsite only after roughing-in, painting work, and other related finish work has been completed and installation areas are ready to accept units at recommended temperature and humidity levels maintained during the remainder of construction.

1.9. COORDINATION

1.9.1. Confirm that existing concrete slab supporting sound-isolation practice rooms meets the following flatness tolerance requirements:

1.9.1.1. The gap at any point between concrete surface and a 10-foot- (3.05-m-) long straightedge resting on 2 high spots and placed anywhere on the surface does not exceed 1/4 inch (6 mm).

1.9.1.2. The elevation of the concrete slab around the perimeter of the room does not vary at any point by more than plus or minus 3/8 inch (8 mm) from level.

1.9.2. Coordinate installation and electrical rough-in components for connection to sound-isolation practice rooms.

1.9.3. Coordinate installation of HVAC and Fire Suppression and electrical rough-in components for connection to sound-isolation practice rooms.

1.10. PROJECT CONDITIONS

1.10.1. Environmental Limitations: Do not deliver or install practice rooms until spaces are enclosed and weather tight, wet work in spaces is complete and dry, HVAC system is operating and maintaining ambient temperature at occupancy levels during the remainder of the construction period.

1.10.2. Field Measurements: Verify field measurements, if required, as indicated on Shop Drawings. Where measurements are not possible, provide control dimensions and templates.

1.10.2.1. Coordinate installation and location of blocking and supports as requested.

1.10.2.2. Verify openings, clearances, storage requirements and other dimensions relevant to the installation and final application.

1.10.3. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

1.11. WARRANTY

1.11.1. Warranty: Manufacturer's written warranty indicating manufacturer's intent to repair or replace components of sound-isolation practice rooms that fail in materials or workmanship within 5 years from date of Substantial Completion. Failures are defined to include, but are not limited to, the following:

1.11.1.1. Fracturing or breaking of room components, including doors, panels, or hardware, that results from normal wear and tear and normal use other than vandalism.

1.11.1.2. Delamination or other failures of glue bond of components.

1.11.1.3. Warping of components not resulting from leaks, flooding, or other uncontrolled moisture or humidity.

1.11.1.4. Failure of operating hardware.

1.11.1.5. Failure of acoustical gaskets and seals.

1.11.1.6. Failure of room to perform acoustically in accordance with manufacturer's published data.

PART 2 PRODUCTS

2.1. MANUFACTURERS

2.1.1. Basis of Design - "SoundLok" Sound-Isolation Rooms by Wenger Corporation, or approved equal.

2.1.2. Requests for substitutions will be considered in accordance with provisions of Section 00800.

2.1.2.1. Approval of Comparable Products: Submit the following in accordance with project substitution requirements, within time period allowed for substitution review:

2.1.2.1.1. Product data, including certified independent test data indicating compliance with requirements.

2.1.2.1.2. Full-size samples of each component of product specified.

2.1.2.1.3. Project references: Minimum of 5 installations not less than 5 years old, with owner contact information.

2.1.2.1.4. List of successful installations of similar products available for evaluation by Architect.

2.1.2.1.5. Sample warranty.

2.1.2.2. Approved manufacturers shall meet separate requirements of Submittals.

2.2. MATERIALS

2.2.1. Steel Sheet: Cold-rolled, ASTM A 1008/A 1008M, commercial steel, Type B.

2.2.2. Sound Attenuation Material: ASTM C 665, Type I, 1.5-lb/cu. ft (24 kg/cu. m).

2.3. SOUND-ISOLATION PRACTICE ROOMS

2.3.1. General: Provide sound-isolation practice rooms meeting Contract Documents requirements.

2.3.2. Wall Frame: 14-gauge/0.075 inch (1.91 mm) thick steel channel with 11-1/4 inch (31.75 mm) thick factory-applied acoustical gasketing at floor slab, with 3/4 inch (19 mm) leveling adjustment.

2.3.3. Wall Panels: 30 inches by 4 inches (762 by 102 mm) thick composite panels, consisting of an exterior face of 16-gauge/0.0598 inch (1.52 mm) sheet steel, an interior face of 22-gauge/0.0299 inch (0.76 mm) perforated or solid sheet steel, with sound-attenuation material at panels indicated as perforated.

2.3.3.1. Acoustical Seal: Two continuous acoustical gaskets factory-mounted at panel perimeter.

2.3.3.2. Panel Attachment: Two or more mechanical locks on each vertical edge to align and engage adjoining panel and create compression seal between panels.

2.3.3.3. Corner Assembly: Same construction as wall panels.

2.3.3.4. Power Panel (one per unit): Same construction as wall panels, with factory pre-wiring meeting ETL and NEC requirements, consisting of conduit, wiring, junction and electrical boxes, and airtight cover plates, and including the following:

2.3.3.5. Two duplex receptacles.

2.3.3.6. Dimmable switches, occupancy sensors and connectors for lighting control (and fans, and VAE, as required).

2.3.3.7. Three empty raceways for future Owner-installed circuitry.

2.3.3.8. Acoustic Vision Lite Wall Panel: Same construction as wall panels, 30 inches (762 mm) wide, with nominal 26.5 by 65.5 inches (673 by 1664 mm) Vision Lite, respectively, consisting of 1/4 and 3/8 inch (6.0 and 9.5 mm) thick laminated safety glass with 3 inches (76 mm) interspace, mounted in metal frame. Refer to Drawings for location.

2.3.4. Ceiling Frame: Sheet steel, 16-gauge/0.053 inch (1.34 mm) thick, with clamping mechanism for compressing ceiling panel acoustical gaskets, with external support beam where required by room size.

2.3.5. Ceiling Panels: Same construction as wall panels, 15 inches wide by 6 inches thick (381 mm wide by 152 mm thick), with the following characteristics:

2.3.5.1. Acoustical Seal: Two continuous acoustical gaskets factory-mounted at panel perimeter.

2.3.5.2. Panel Attachment: Two mechanical locks on each vertical edge to align and engage adjoining panel and create compression seal between panels.

2.3.5.3. Sprinkler Ceiling Panels: Where indicated, panels fabricated with predrilled holes to enable fire sprinkler system installation specified elsewhere.

2.3.5.4. Light Panels: Where indicated, highly efficient, 50/60Hz, 100-277 Volt AC, 40 Watt, 1" x 4' dimmable edge-lit LED flat panels. Technical information: power factor: 0.9, lifetime (L70): 50,000 hours, LED chip type: 2835, number of LEDs (per panel): 216, physical dimensions: 11.83 inches (W) x 47.63 inches (L) x 0.39 inches (H), color temperature: 5000k (standard), lumens: 4200, beam angle: 120 degrees, RA value: 80, compatible with 0-10V dimmers. Compliance & approvals: ETL, FCC, DLC QPL, IP rating: damp locations.

2.3.6. Doors: 2 inches (51 mm) thick composite panel, consisting of an exterior face of 16-gauge/0.053 inch (1.34 mm) sheet steel, an interior face of 14-gauge/0.068 inch- (1.72 mm-) sheet steel, and a core of sound-attenuation material, sound transmission class (STC) 46 (based on internal testing), size and swing as indicated on Drawings, and as follows:

2.3.6.1. Acoustical Seals: Magnetic seal plus compression seal at head and jambs, and adjustable sweep seal at door bottom.

2.3.6.2. Hinges: Cam-type wrap around continuous barrel hinges, CR 1010 steel.

2.3.6.3. Door size: 3 feet (914 mm) wide standard.

2.3.6.4. Door Vision Lite: Nominal 22 by 66 inches (559 by 1676 mm), glazed with safety glass.

2.3.6.5. Metal thresholds: Stainless steel, 1/2 inch (12.7 mm) high.

2.3.6.6. Lockset: ANSI/BHMA A156.2, Series 4000, Grade 1, cylindrical lock with lever handle, 6 pin cylinder, classroom function locking, satin chrome finish.

2.3.6.7. Keying: Each keyed differently.

2.3.6.8. Keying: Interchangeable core, with cylinder specified in Section 08700.

2.3.7. Ceiling Ventilation System: Provide manufacturer's, built-in fan standard free-standing room ventilation systems:

2.3.7.1. Vent Panels: 15 inches (381 mm) wide by 6 inches (152 mm) thick panel with integral acoustical air plenum, with 1-1/2 inches (38 mm) sound-absorbing duct liner and four 90-degree bends.

2.3.7.2. Fan Exhaust Panels: 120 cfm (0.057 cu. m/s) exhaust fan mounted in panel with same construction panel as vent intake panel. Number of fan panels equal to number of vent panels. Fan exhausts to surrounding space.

2.4. ACCESSORIES

2.4.1. Mirror: Mounts directly to interior solid wall panel. Metal mounting brackets in black painted finish are provided. Dimensions: 58 inches (1473 mm) high x 22 inches (559 mm) wide with 1/4 inch (6 mm) thick mirror glass, constructed with vinyl backing to prevent shattering of glass.

2.5. FINISHES

2.5.1. Electrical Cover Plates:

2.5.1.1. Light, Fan and VAE Switch (as required): Satin chrome finish.

2.5.1.2. All other: Painted to match wall panel colors.

2.5.2. Other Exposed Components: Iron phosphate pre-coat and thermo-set epoxy resin powder coat (baked) finish.

2.5.3. Colors:

2.5.3.1. Wall and ceiling panels: Oyster.

2.5.3.2. Wall and ceiling panels: Vanilla.

2.5.3.3. Wall and ceiling panels: Warm Sand.

2.5.3.4. Floor rail and door: Charcoal Grey.

2.5.3.5. Floor rail and door: Warm Beige.

PART 3 EXECUTION

3.1. EXAMINATION

3.1.1. Examine sound-isolation room installation areas for compliance with requirements for installation tolerances, including required overhead clearances and floor levelness, and other existing conditions affecting installation and performance of sound-isolating rooms. Proceed with room installation upon correction of unsatisfactory conditions.

3.2. SOUND-ISOLATING ROOM INSTALLATION

3.2.1. Install rooms under direct supervision of manufacturer.

3.2.2. Install rooms plumb, level, and true, using integral levelers. Install in accordance with manufacturer's instructions and approved submittals.

3.2.3. Install room components utilizing integral panel clamping mechanisms. Do not use sealants, fillers, loose insulation, or exposed fasteners.

3.2.3.1. Install seismic bracing and fastening in accordance with approved shop drawings.

3.2.4. Do not modify panels or accessories in the field.

3.2.5. Do not fasten room frame to floor unless indicated on approved shop drawings in compliance with seismic design requirements.

3.2.6. Adjust rooms and hardware for doors to operate smoothly without warp or bind and close with uniform compression against flanges. Adjust sweep seals.

3.3. CLEANING

3.3.1. Repair or replace defective work as directed by Architect upon inspection.

3.3.2. Clean room surfaces. Touch up, refinish, or replace damaged components in a manner acceptable to Architect.

3.4. DEMONSTRATION

3.4.1. Train Owner's personnel to adjust, operate, and maintain sound-isolation rooms.

3.4.2. Turn over keys and operation and maintenance instructions to Owner.

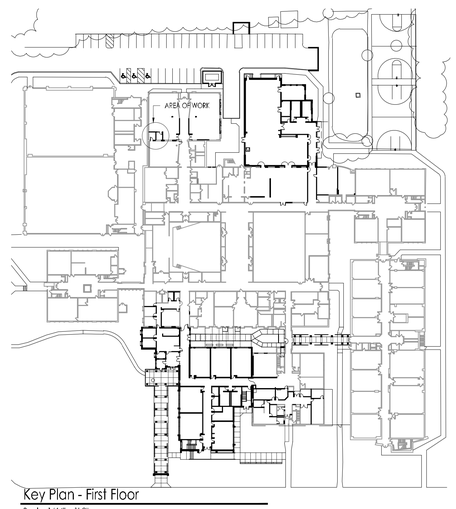
END OF SECTION

PLAN LEGEND

	BRICK
	NEW CMU PARTITION
	NEW GYPSUM BOARD PARTITION - MTL. STUDS (SEE FLOOR PLAN OR WALL SECTIONS FOR DEPTH) @ 16" O.C. W/ SOUND ATTENUATION BLANKET AND 5/8" GYPSUM BOARD EACH SIDE (TYP. U.N.O.) GYPSUM BOARD AT LOCATIONS ADJACENT TO SINKS SHALL BE IMPACT / WATER RESISTANT GYPSUM BOARD.
FE-1 FE-2	NEW FIRE EXTINGUISHER IN SEMI-RECESSED CABINET (CMU WALL) - SEE DETAIL 5 / G003 NEW FIRE EXTINGUISHER ON BRACKET
AED	AED CABINET (SEMI-RECESSED) - SEE DETAIL 5A / G003
WB EWB EB	WHITEBOARD - SEE SPECIFICATIONS DRY MARKER BOARD - SEE SPECIFICATIONS AND DETAIL 4 / Axxx EXHIBITION BOARD - SEE SPECIFICATIONS AND DETAIL 5 / Axxx
	NEW / EXISTING 2-HOUR RATED FIRE WALL
	NEW / EXISTING 1-HOUR RATED FIRE BARRIER WALL
	NEW / EXISTING 1-HOUR RATED CORRIDOR FIRE PARTITION
	NEW FIRE RATED WALLS SHALL BE CONSTRUCTED OF CONCRETE MASONRY UNITS (CMU) PER UL EXS (9705 FOR 8" CMU AND THICKER AND PER UL EXS (9706 FOR 6" CMU. SEE DETAILS 8 & 9 / G003. SEE FLOOR PLANS, WALL SECTIONS AND PLAN DETAILS FOR LOCATIONS AND ACTUAL CMU THICKNESS.

PLAN NOTES

1. ALL NEW WALLS SHALL EXTEND TO UNDERSIDE OF ROOF OR FLOOR DECK ABOVE UNLESS NOTED OTHERWISE.
2. IN ALL LOCATIONS WHERE NEW STEEL STUD AND GYPSUM BOARD WALL CONSTRUCTION IS INDICATED, PROVIDE CONTROL JOINTS AT SPACING NOT TO EXCEED 24'-0" O.C. FINAL LOCATIONS OF CONTROL JOINTS TO BE SUBMITTED TO ARCHITECT FOR REVIEW AND APPROVAL.
3. ALL EXPOSED EXTERIOR STEEL LINTELS SHALL BE PAINTED GALVANIZED STEEL.
4. ALL BIDDERS MUST VISIT THE SITE AND VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO SUBMITTING A BID. IF ANY DISCREPANCIES OR OMISSIONS ARE FOUND, THE BIDDER(S) MUST NOTIFY THE ARCHITECT OF THESE, IN WRITING, AT LEAST TEN (10) WORKING DAYS PRIOR TO RECEIPT OF BIDS. IF THEY DO NOT DO SO, ANY MODIFICATION OR CORRECTION SHALL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.



Key Plan - First Floor

Scale: 1/64" = 1'-0"

NJDCA Electronic Release Stamp

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10/10/25
Date

Architect

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Fraytak Valvez Hopkins Duthie PC

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F V H D P C . C O M

Project Name

Addition and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Lane, Princeton, NJ 08540

Project Number

5516B

Project Date

10.10.2025

Checked By

GRD

Drawn By

NEH

Scale

1/8" = 1'-0"

Drawing Name

Plans and Specifications - Modular Practice Rooms - Alternate Bid No. MS-2

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

Drawing Number

A105A

REFLECTED CEILING PLAN LEGEND

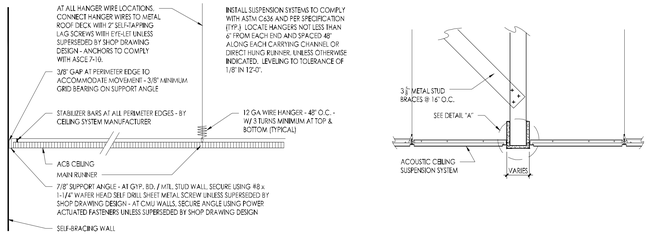
- ACB-1 2'x4' ACOUSTICAL CEILING BOARD - SEE FINISH SCHEDULE FOR LOCATION
- ACB-2 2'x2' ACOUSTICAL CEILING BOARD - SEE FINISH SCHEDULE FOR LOCATION
- ACB-3 2'x4' ACOUSTICAL CEILING SOUND BOARD - SEE FINISH SCHEDULE FOR LOCATION
- AACB - 2'x4' ACRYLIC ACOUSTICAL CEILING BOARD - SEE FINISH SCHEDULE FOR LOCATION
- GP - PAINTED GYPSUM BOARD SOFFIT
- SUPPLY / RETURN / EXHAUST DIFFUSER (SEE HVAC DRAWINGS)
- LIGHTS (SEE ELECTRICAL DRAWINGS)
- LED ROUND PENDANT LIGHTS (SEE ELECTRICAL DRAWINGS)
- SURFACE/ RECESSED LED LIGHTS (SEE ELECTRICAL DRAWINGS)
- EMERGENCY LIGHTS (SEE ELECTRICAL DRAWINGS)
- ILLUMINATED "AREA OF REFUGE" SIGN (SEE ELECTRICAL DRAWINGS)
- ILLUMINATED "EXIT" SIGN (SEE ELECTRICAL DRAWINGS)
- LCD PROJECTOR/ BRACKET
- EYSTING PROJECTOR

NOTES:

1. SEE HVAC, PLUMBING AND ELECTRICAL DRAWINGS FOR TYPE, SIZE AND ADDITIONAL INFORMATION.
2. ALL SPRINKLER HEADS, DIFFUSERS AND LIGHTS TO BE CENTERED IN THE GWB OR ACB CEILING UNLESS NOTED OTHERWISE.
3. GENERAL, HVAC, PLUMBING AND ELECTRICAL CONTRACTORS TO COORDINATE LOCATION OF SPRINKLER HEADS DIFFUSERS AND LIGHTS.
4. SEE ROOM FINISH SCHEDULE FOR CEILING HEIGHTS
5. A.F.F. = ABOVE FINISH FLOOR (MAIN DATUM ELEVATION)

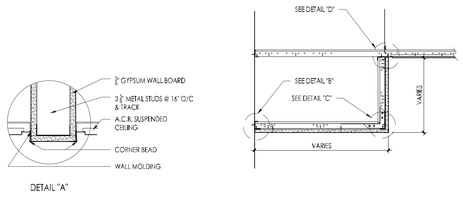
Reflected Ceiling Plan - Block 'A' - First Floor

Scale: 1/8" = 1'-0"

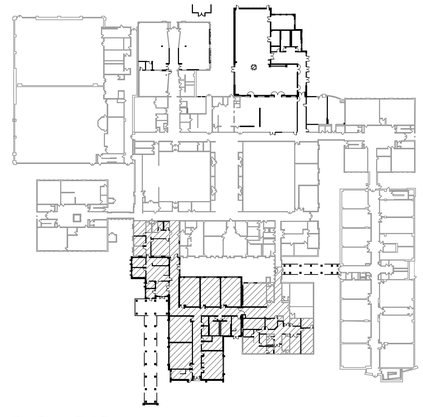


1 ACB Seismic Bracing Detail
Scale: 1" = 1'-0"

2 Ceiling Transition Detail
Scale: 1" = 1'-0"



3 Ceiling Transition Detail
Scale: 1" = 1'-0"



Key Plan - First Floor
Scale: 1/64" = 1'-0"

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Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
NEH

Scale
1/8" = 1'-0"

Drawing Name
Reflected Ceiling Plan - Block 'A' - First Floor

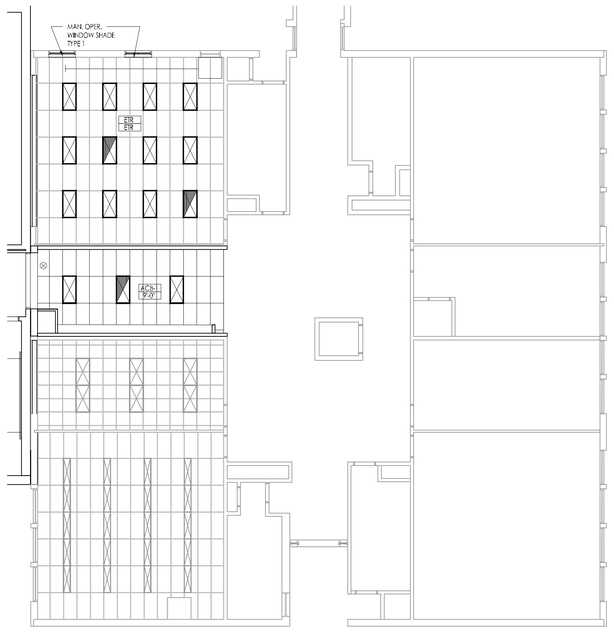
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	NJ DCA RESPONSES

Drawing Number
A106

Reflected Ceiling Plan - Block 'A' - Second Floor

Scale: 1/8" = 1'-0"



Partial Reflected Ceiling Plan - Block 'A' - First Floor - Base Bid

Scale: 1/8" = 1'-0"

Key Plan - Second Floor

Scale: 1/64" = 1'-0"

REFLECTED CEILING PLAN LEGEND

- ACB-1 -2'x4' ACOUSTICAL CEILING BOARD - SEE FINISH SCHEDULE FOR LOCATION
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- ACB-3 - 2'x4' ACOUSTICAL CEILING SOUND BOARD - SEE FINISH SCHEDULE FOR LOCATION
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- SUPPLY / RETURN / EXHAUST DIFFUSER (SEE HVAC DRAWINGS)
- LIGHTS (SEE ELECTRICAL DRAWINGS)
- LED ROUND PENDANT LIGHTS (SEE ELECTRICAL DRAWINGS)
- SURFACE/ RECESSED LED LIGHTS (SEE ELECTRICAL DRAWINGS)
- EMERGENCY LIGHTS (SEE ELECTRICAL DRAWINGS)
- (A) ILLUMINATED "AREA OF REFUGE" SIGN (SEE ELECTRICAL DRAWINGS)
- ILLUMINATED "EXIT" SIGN (SEE ELECTRICAL DRAWINGS)
- LCD PROJECTOR/ BRACKET
- EXISTING PROJECTOR

NOTES:

1. SEE HVAC, PLUMBING AND ELECTRICAL DRAWINGS FOR TYPE, SIZE AND ADDITIONAL INFORMATION.
2. ALL SPRINKLER HEADS, DIFFUSERS AND LIGHTS TO BE CENTERED IN THE GWB OR ACB CEILING UNLESS NOTED OTHERWISE
3. GENERAL, HVAC, PLUMBING AND ELECTRICAL CONTRACTORS TO COORDINATE LOCATION OF SPRINKLER HEADS DIFFUSERS AND LIGHTS.
4. SEE ROOM FINISH SCHEDULE FOR CEILING HEIGHTS
5. A.F.F. = ABOVE FINISH FLOOR (MAIN DATUM ELEVATION)

NJDCA Electronic Release Stamp

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Project Name

Addition and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Lane, Princeton, NJ 08540

Project Number: 5516B
Project Date: 10.10.2025
Checked By: GRD
Drawn By: NEH
Scale: 1/8" = 1'-0"

Drawing Name

Reflected Ceiling Plan - Block 'A' - Second Floor

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	NJ DCA RESPONSES

Drawing Number

A107

NOTES:

1. SEE HVAC, PLUMBING AND ELECTRICAL DRAWINGS FOR TYPE, SIZE AND ADDITIONAL INFORMATION.
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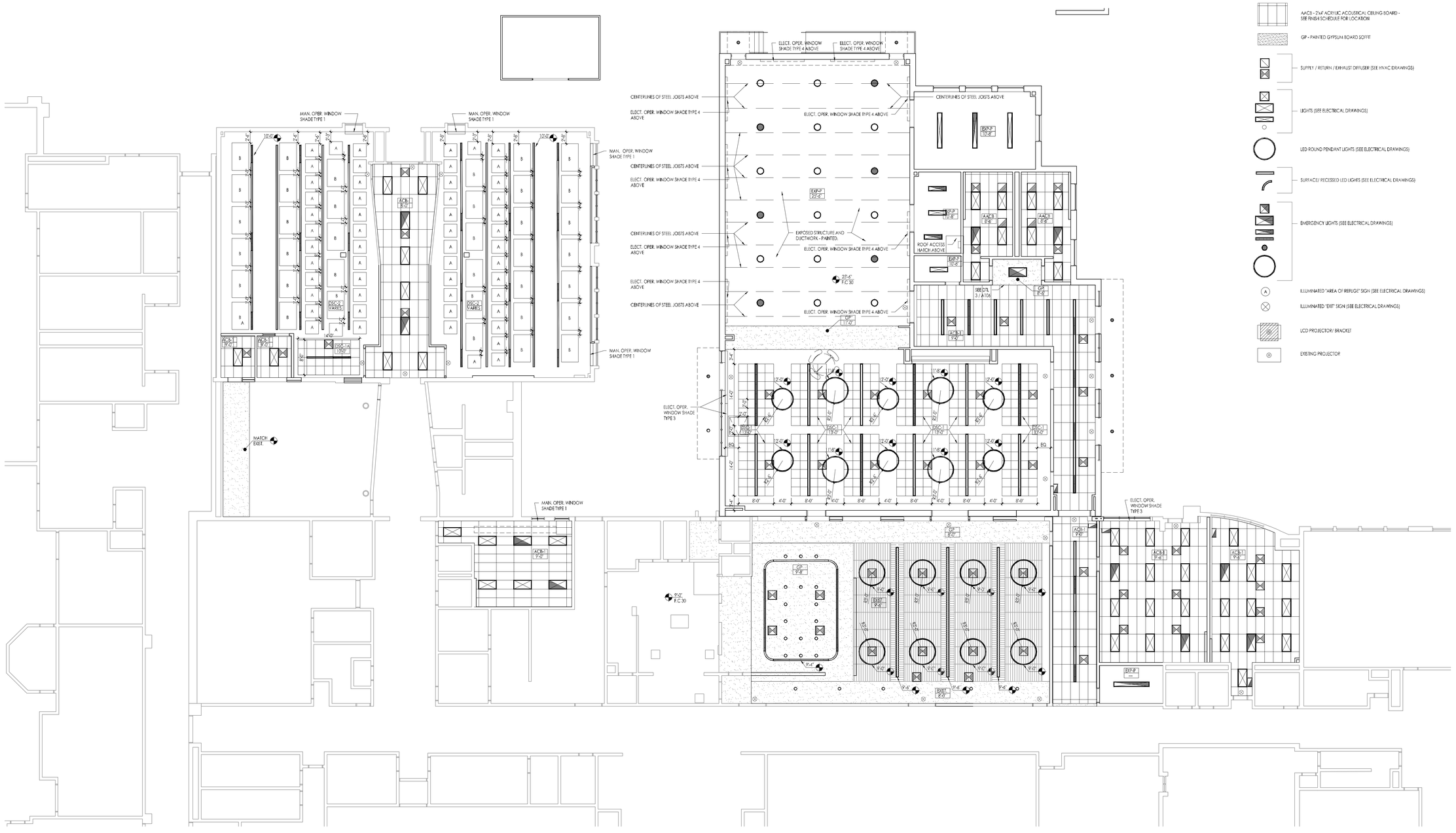
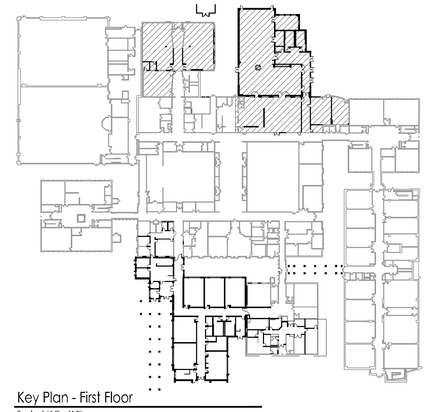
- LCD PROJECTOR/ BRACKET
- EYSTING PROJECTOR



Reflected Ceiling Plan - Block 'B'

Scale: 1/8" = 1'-0"

CEILING TYPE SCHEDULE		
TYPE MARK	DESCRIPTION	NOTES
AACB	ACRYLIC ACOUSTIC CEILING PANEL 24"x48"	
ACB-1	ACOUSTIC CEILING PANEL 24"x48"	
ACB-2	ACOUSTIC CEILING PANEL 24"X24"	
DSC-1	ARMSTRONG FORMATIONS OR APPROVED EQUAL	METALWORKS TEGULAR PANEL WITH A INFILL #62X11/0
DSC-1A	ARMSTRONG FORMATIONS OR APPROVED EQUAL	ACB-2 TILES
DSC-2	ARMSTRONG SOUNDSCAPES OR APPROVED EQUAL	TYPE A -36" x 36" TYPE B - 45" x 75" COLORS TBD
GP	PAINTED GYPSUM BOARD	



Key Plan - First Floor

Scale: 1/64" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A07706000 | PA - RA012520Y

GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI00129700

JASON J. ZIEMBOWITCH, AIA
NJ - 21AI01730000 | PA - RA406089

STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00051000 | PA - RA414055

Architect

10/10/25
Date

FVHD Fraytak Velez Hopkins Duthie PC

Corporate: 15 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453

F V H D P C . C O M

Project Name

Addition and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Lane, Princeton, NJ 08540

Project Number

5516B

Project Date

10.10.2025

Checked By

GRD

Drawn By

NEH, ETS

Scale

1/8" = 1'-0"

Drawing Name

Reflected Ceiling Plan - Block 'B'

Revisions

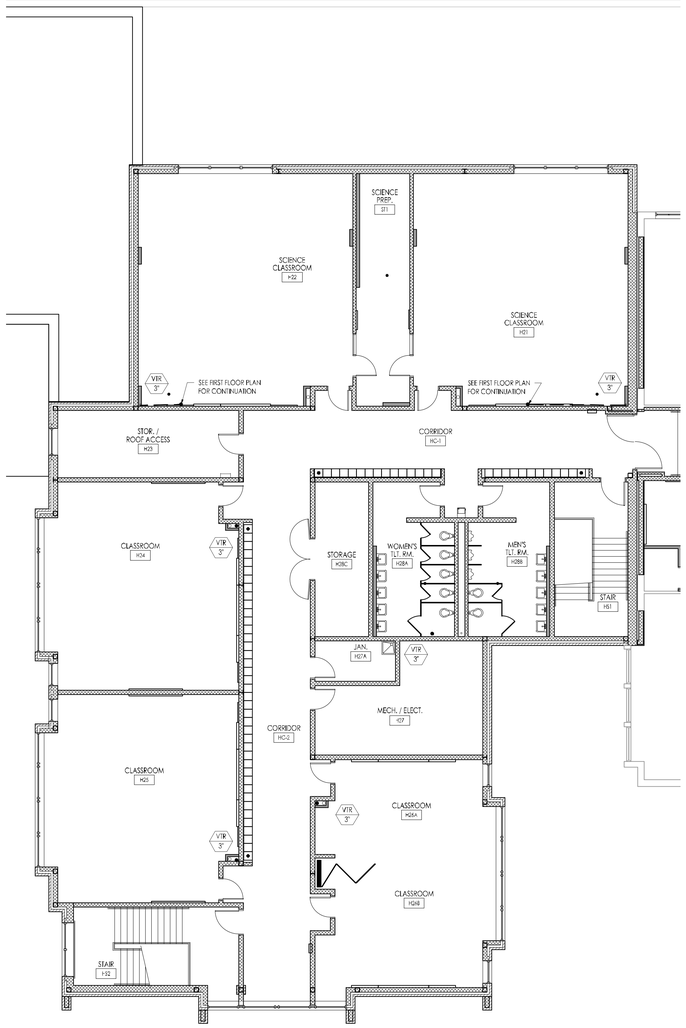
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

Drawing Number

A108

Radon Ventilation Plan - Block 'A' - First Floor

Scale: 1/8" = 1'-0"



Radon Ventilation Plan - Block 'A' - Second Floor

Scale: 1/8" = 1'-0"

RADON VENT CALCULATIONS

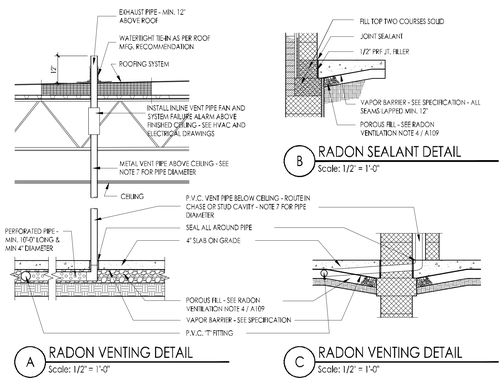
LOCATION		AREA	REQUIRED	SUPPLIED
BLOCK 'A'	CLASSROOM ADDITION	11,835 S.F.	8 VENTS	8 VENTS

RADON PLAN LEGEND

INDICATES PIPE VENT
VENT NUMBER
INDICATES VENT THROUGH ROOF

RADON VENTILATION NOTES:

1. ALL SEAMS AT VAPOR BARRIER SHALL BE LAPPED MIN. 12". ALL JOINTS IN FOUNDATION WALLS AND FLOOR SLABS SHALL BE SEALED WITH APPROVED RADON JOINT SEALANT AS PER N.J.A.C. 5:23-10.4. ANCHORS AND/OR ANY OTHER PENETRATIONS THROUGH VAPOR MEMBRANE SHALL BE RESEALED PER MANUFACTURER'S SPECIFICATIONS.
2. ALL OPENINGS / PENETRATIONS OF ALL FOUNDATION WALLS AND SLABS, ALL JOINTS IN ALL FOUNDATION WALLS AND SLABS AND ALL SLAB / WALL JOINTS SHALL BE SEALED WITH POLYURETHANE CAULK FOR RADON PROTECTION.
3. RADON VENTING PLAN SHOWS LOCATION OF 'T' PIPE FITTING AND 4" DIAMETER PERFORATED P.V.C. VENT PIPE COVERING 1500 SQ. FT. OF PLAN AREA COMPLYING WITH U.C.C. SUBCHAPTER 10. VENT PIPES ARE VENTED THROUGH ROOF. ALL VENT PIPES ABOVE CEILING OR LOCATED IN AIR PLENUMS AND NOT ENCLOSED IN A CHASE SHALL BE GAUGE METAL PIPE.
4. FLOORS OF BASEMENTS AND SLAB ON GRADE CONSTRUCTION SHALL BE PLACED OVER A BASE COURSE OF NOT LESS THAN FOUR INCHES (4") IN THICKNESS OF GRAVEL OR CRUSHED STONE CONTAINING NOT MORE THAN TEN PERCENT (10%) OF MATERIAL THAT PASSES THROUGH A NO. 4 SIEVE. SEE SOILS REPORT AND SPECIFICATION FOR ACTUAL REQUIRED THICKNESS OF POROUS FILL.
5. GENERAL CONTRACTOR SHALL PROVIDE VENT PIPE AND COORDINATE LOCATION AND ROUTE OF VENT.
6. VENT PIPES SHALL BE LABELED AT INTERVALS OF NOT MORE THAN 25' IN CONCEALED LOCATIONS, NOT MORE THAN 50' IN EXPOSED LOCATIONS AND NOT LESS THAN ONCE IN ANY ROOM OR SPACE.
7. VENT PIPES SHALL BE SIZED PER N.J.A.C. 5:23-10.4 TABLE 11.
   7.1. 3" DIA. PIPE MAXIMUM AREA VENTED 2500 SQ. FT.
   7.2. 4" DIA. PIPE MAXIMUM AREA VENTED 4000 SQ. FT.
   7.3. 6" DIA. PIPE UNLIMITED AREA VENTED
8. SYSTEM FAILURE ALARM SHALL BE ABLE TO BE MONITORED FROM THE SECURITY OFFICE OR A LOCATION AS DIRECTED BY OWNER.
9. SEE RADON VENTILATION PLANS ON DRAWINGS A109 - A110.



A RADON VENTING DETAIL

Scale: 1/2" = 1'-0"

B RADON SEALANT DETAIL

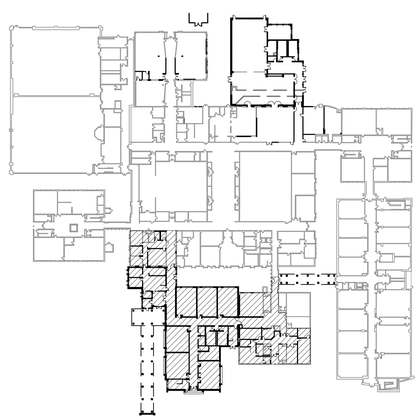
Scale: 1/2" = 1'-0"

C RADON VENTING DETAIL

Scale: 1/2" = 1'-0"

1 Typical Radon Ventilation Details

Scale: As Noted



Key Plan - First Floor

Scale: 1/64" = 1'-0"

Key Plan - Second Floor

Scale: 1/64" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A07706001 | PA - RA012501
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NJ - 21A04129700
JASON J. LUBOWITCH, AIA
NJ - 21AI01710600 | PA - RA426081
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AE00051000 | PA - RA410455
10/10/25
Date
Architect

FVHD Fraytak Velez Hopkins Duthie PC

Corporate: 1515 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name

Addition and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Lane, Princeton, NJ 08540

Project Number	5516B
Project Date	10.10.2025
Checked By	GRD
Drawn By	NEH
Scale	1/8" = 1'-0"

Drawing Name

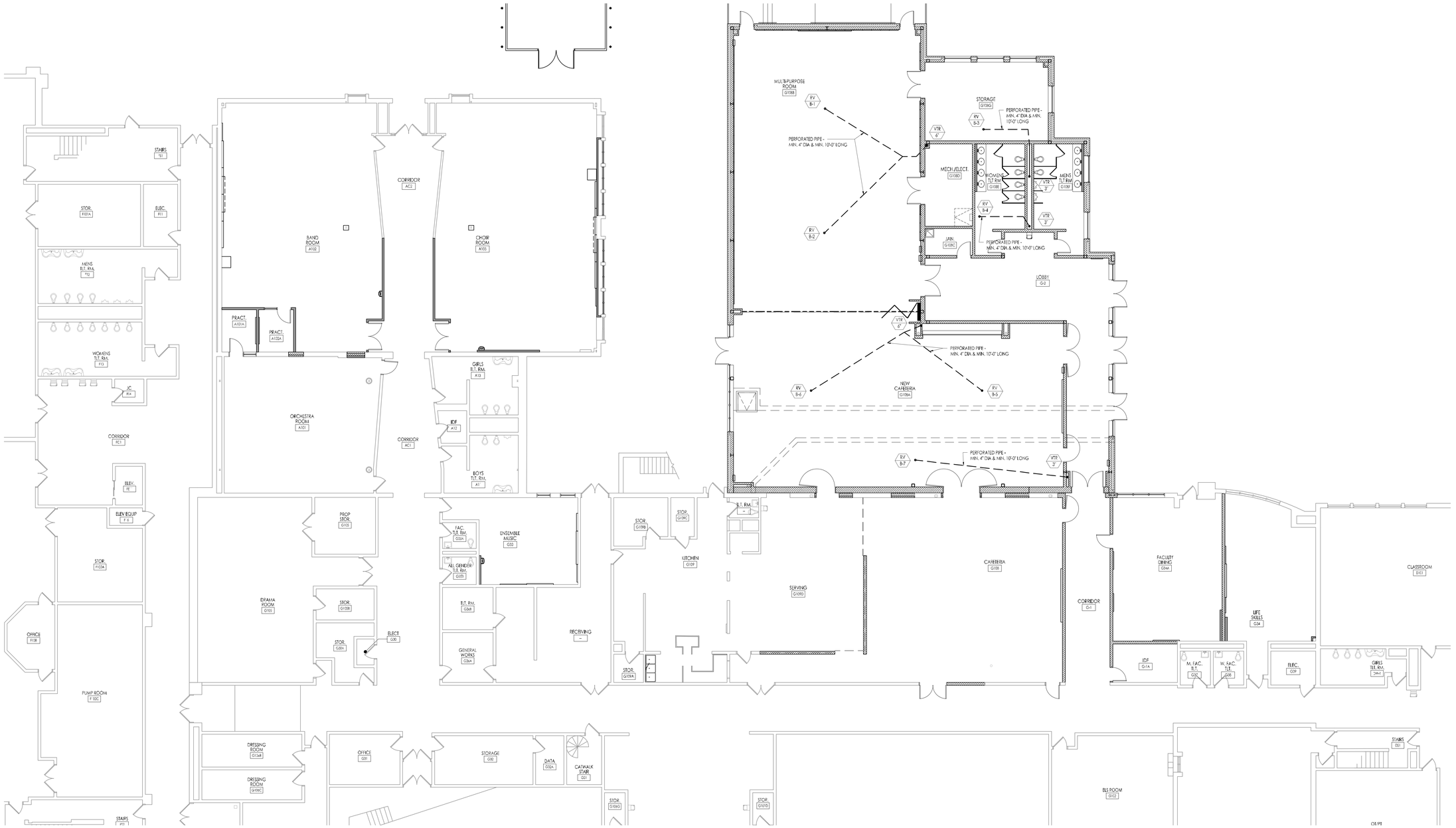
Radon Ventilation Plans - Block 'A' - First & Second Floors

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

Drawing Number

A109



Radon Ventilation Plan - Block 'B'

Scale: 1/8" = 1'-0"

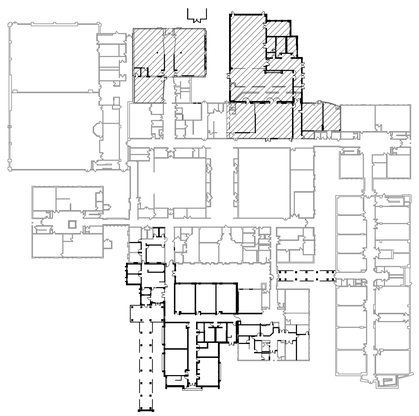
SEE TYPICAL RADON VENTILATION DETAILS AND NOTES - DETAIL 1 / A109.

RADON PLAN LEGEND

- INDICATES PIPE VENT
- VENT NUMBER
- INDICATES VENT THROUGH ROOF

RADON VENT CALCULATIONS

LOCATION		AREA	REQUIRED	SUPPLIED
BLOCK 'B'	CAFETERIA/MULTI-PURPOSE	8,385 S.F.	6 VENTS	7 VENTS



Key Plan - First Floor

Scale: 1/64" = 1'-0"

Key Plan - Second Floor

Scale: 1/64" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
N.J.- LA#0179000 | PA - RA012501
GEORGE R. DUTHIE JR., AIA, PP
N.J.- LA#0179000
JASON J. ZIEMBICKI, AIA
N.J.- LA#0179000 | PA - RA406089
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
N.J.- LA#0200100 | PA - RA410455
Date 10/10/25
Architect

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Corporate: 151 S Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
FVHDPC.COM

Project Name

Addition and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Lane, Princeton, NJ 08540

Project Number: 5516B

Project Date: 10.10.2025

Checked By: GRD

Drawn By: NEH

Scale: 1/8" = 1'-0"

Drawing Name

Radon Ventiation Plan - Block 'B'

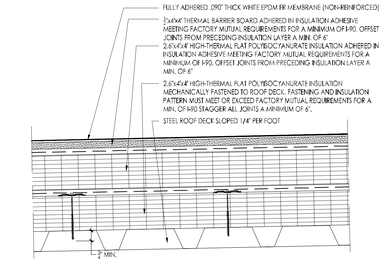
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

Drawing Number

A110

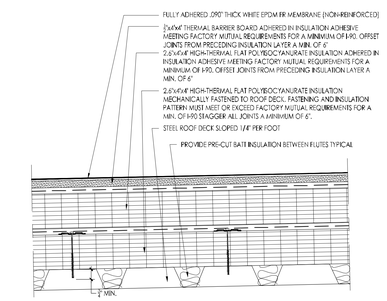
NOTE: FOR INSULATION ADHESIVE BEAD SPACING SEE DETAIL 1 THIS SHEET



NOTE: CONTRACTOR TO COORDINATE LOCATION OF MECHANICAL FASTENERS TO AVOID STRIKING EXISTING CONDUITS LOCATED ON UNDERSIDE OF DECK

A ROOF ASSEMBLY R-value 30
3"=1'-0"

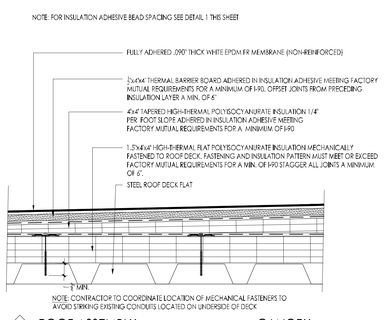
NOTE: FOR INSULATION ADHESIVE BEAD SPACING SEE DETAIL 1 THIS SHEET



NOTE: CONTRACTOR TO COORDINATE LOCATION OF MECHANICAL FASTENERS TO AVOID STRIKING EXISTING CONDUITS LOCATED ON UNDERSIDE OF DECK

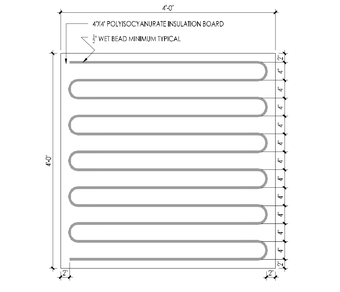
B ROOF ASSEMBLY R-value 30
3"=1'-0"

NOTE: FOR INSULATION ADHESIVE BEAD SPACING SEE DETAIL 1 THIS SHEET



NOTE: CONTRACTOR TO COORDINATE LOCATION OF MECHANICAL FASTENERS TO AVOID STRIKING EXISTING CONDUITS LOCATED ON UNDERSIDE OF DECK

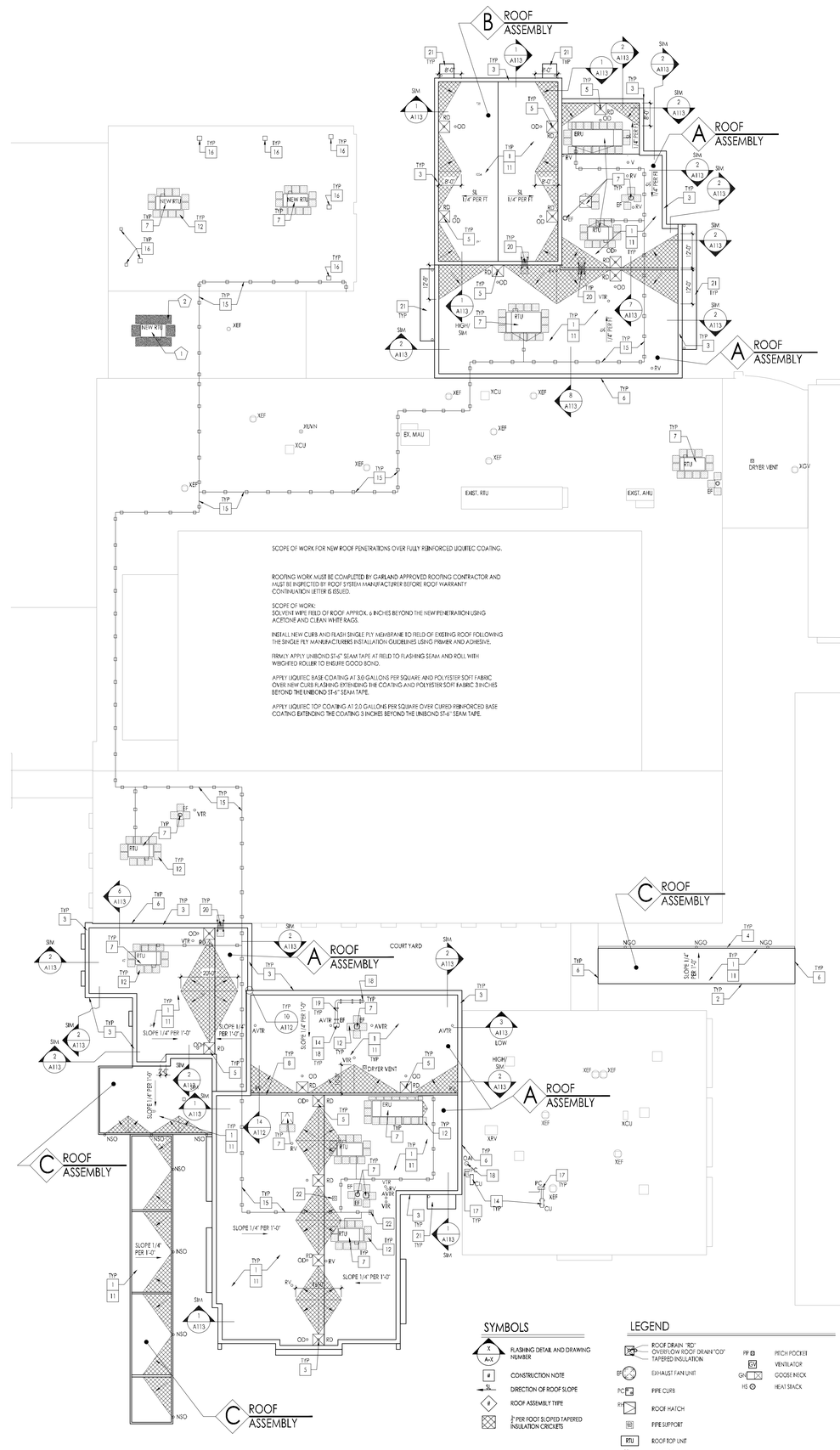
C ROOF ASSEMBLY CANOPY
3"=1'-0"



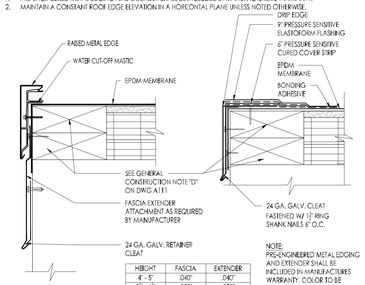
1 TYPICAL INSULATION ADHESIVE BEAD APPLICATION
1"=1'-0"

STAGING NOTES:

1. ROOF ACCESS THROUGH THE BUILDING IS NOT PERMITTED.
2. TEMPORARY TOILETS SHALL BE PROVIDED BY THE CONTRACTOR AND PLACEMENT COORDINATED WITH OWNER.
3. CONSTRUCTION SAFETY FENCING SHALL BE INSTALLED AROUND ALL STAGING AREAS.
4. THE CONTRACTOR IS TO CONTACT THE LOCAL MUNICIPALITY AND CONFIRM WORKING HOURS AND COMPLY WITH ALL NOISE ORDINANCE REQUIREMENTS.
5. PARKING OF CONSTRUCTION VEHICLES, DUMPSTERS, AND EQUIPMENT IS NOT PERMITTED ON THE STREETS.
6. DUMPSTERS MUST BE EMPTIED AT THE END OF EACH WORK DAY.
7. NO ENTRANCES, EXITS OR DRIVEWAYS SHALL BE BLOCKED AT ANY TIME.
8. ALL STAGING AREAS MUST BE APPROVED IN ADVANCE BY THE OWNER. THE ROOFING CONTRACTOR MUST SUBMIT A STAGING PLAN AND HAVE THE PLAN APPROVED BY THE OWNER. IF CHANGES TO THE STAGING PLAN MUST BE MADE DURING THE PROJECT, THE ROOFING CONTRACTOR MUST RESUBMIT A REVISED PLAN TO THE OWNER AND OBTAIN WRITTEN APPROVAL BEFORE ADJUSTING THE STAGING AREAS.
9. THE CONTRACTOR IS NOT PERMITTED TO USE THE ROOFS THAT ARE NOT IN CONTRACT IN ANY CAPACITY.
10. ALL LAWN AND PAVED AREAS DAMAGED OR DISTURBED IN ANY WAY SHALL BE CLEANED AND RESTORED TO PRE-CONSTRUCTION CONDITION AT THE CONCLUSION OF THE WORK.
11. NO STAGING IS PERMITTED ON THE SIDEWALKS.


B ROOF ASSEMBLY
A ROOF ASSEMBLY
A ROOF ASSEMBLY
A ROOF ASSEMBLY
C ROOF ASSEMBLY
C ROOF ASSEMBLY
C ROOF ASSEMBLY
NEW RTU
EXIST. RTU
EXIST. AHU
DRYER VENT
COURT YARD
SCOPE OF WORK FOR NEW ROOF PENETRATIONS OVER FULLY REINFORCED LIQUITEC COATING.
ROOFING WORK MUST BE COMPLETED BY GARLAND APPROVED ROOFING CONTRACTOR AND MUST BE INSPECTED BY ROOF SYSTEM MANUFACTURER BEFORE ROOF WARRANTY CONTINUATION LETTER IS ISSUED.
SCOPE OF WORK:
SOLVENT WIPE FIELD OF ROOF APPROX. 6 INCHES BEYOND THE NEW PENETRATION USING ACETONE AND CLEAN WHITE RAGS.
INSTALL NEW CURB AND FLASH SINGLE PLY MEMBRANE TO FIELD OF EXISTING ROOF FOLLOWING THE SINGLE PLY MANUFACTURERS INSTALLATION GUIDELINES USING PRIMER AND ADHESIVE.
FIRMLY APPLY UNIBOND ST-6" SEAM TAPE AT FIELD TO FLASHING SEAM. AND ROLL WITH WEIGHTED ROLLER TO ENSURE GOOD BOND.
APPLY LIQUITEC BASE COATING AT 3.0 GALLONS PER SQUARE AND POLYESTER SOFT FABRIC OVER NEW CURB FLASHING EXTENDING THE COATING AND POLYESTER SOFT FABRIC 3 INCHES BEYOND THE UNIBOND ST-6" SEAM TAPE.
APPLY LIQUITEC TOP COATING AT 2.0 GALLONS PER SQUARE OVER CURED REINFORCED BASE COATING EXTENDING THE COATING 3 INCHES BEYOND THE UNBOND ST-6" SEAM TAPE.
SLOPE 1/4" PER 1'-0"
SLOPE 1/4" PER 1'-0"
SLOPE 1/4" PER 1'-0"

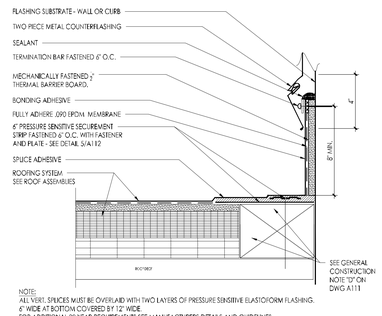
NOTE:
1. PRE-ENGINEERED METAL EDGING AND EXTENDER SHALL BE INCLUDED IN MANUFACTURER'S WARRANTY.
2. MAINTAIN A CONSTANT ROOF EDGE ELEVATION IN A HORIZONTAL PLANE UNLESS NOTED OTHERWISE.



HEIGHT	FASCIA	EXTENDER
4" - 5"	.040"	.040"
5" - 6"	.050"	.050"
7" - 8"	.063"	.063"

NOTE:
PRE-ENGINEERED METAL EDGING AND EXTENDER SHALL BE INCLUDED IN MANUFACTURERS WARRANTY. COLOR TO BE SELECTED BY ARCHITECT. FOR ADDITIONAL 30 YEAR REQUIREMENTS SEE MANUFACTURERS DETAILS AND GUIDELINES.

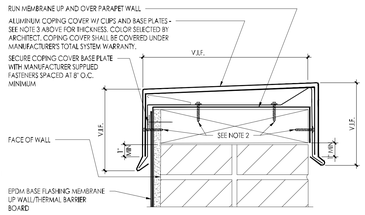
1 TYPICAL METAL EDGE ASSEMBLIES
3" = 1'-0"



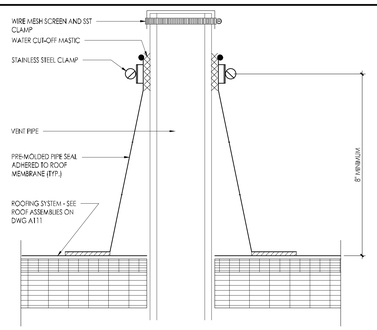
NOTE:
ALL VERT. SPLICES MUST BE OVERLAND WITH TWO LAYERS OF PRESSURE SENSITIVE ELASTOFOAM FLASHING. 6" WIDE AT BOTTOM COVERED BY 12" WIDE.
FOR ADDITIONAL 30 YEAR REQUIREMENTS SEE MANUFACTURERS DETAILS AND GUIDELINES.

2 TYPICAL BASE FLASHING DETAIL
3" = 1'-0"

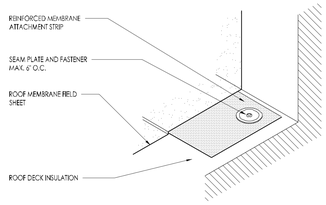
NOTE:
1. PRE-ENGINEERED METAL SHALL BE SUPPLIED BY ROOFING MANUFACTURER AND INCLUDED IN MANUFACTURER'S WARRANTY.
2. USE ONLY MANUFACTURER'S SUPPLIED FASTENERS FOR ATTACHMENT.
3. FOR COPING COVER WITH A WIDTH LESS THAT 16" PROVIDE .050 THICK PREFINISHED ALUM. COVER. FOR WIDTH GREATER THAN 16" PROVIDE .063 THICK PREFINISHED ALUM. COVER. FOR COPING COVER WITH A WIDTH GREATER THAN 24" TO 36" PROVIDE .080 THICK PREFINISHED ALUM. COVER
4. ENDS AT WALL MUST BE TURNED UP AND COVERED WITH COUNTERFLASHING PER DETAIL 10/A112.



3 TYPICAL COPING AT PARAPET WALL
3" = 1'-0"

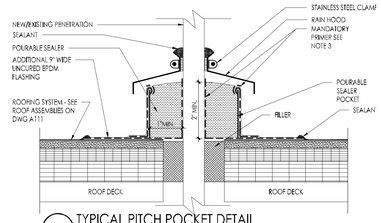


4 TYPICAL VENT PIPE DETAIL
3" = 1'-0"

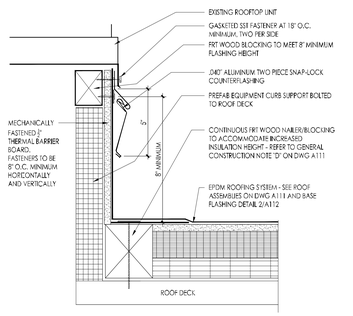


5 TYPICAL SECUREMENT STRIP DETAIL
3" = 1'-0"

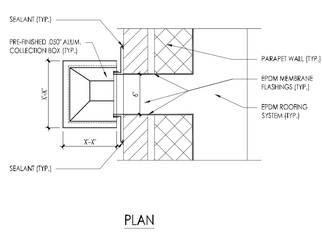
NOTES:
1. THE MAXIMUM ALLOWABLE SURFACE TEMPERATURE OF THE PENETRATION SHALL NOT EXCEED 180° F (82° C).
2. ALL DEBRIS (PAINT, RUST, LEAD, OTHER FLASHINGS, ETC.) MUST BE REMOVED FROM THE PENETRATION.
3. ALL SURFACES MUST BE PRIMED WITH EPDM PRIMER PRIOR TO APPLYING POURABLE SEALER. DO NOT PRIME THE BLUE PLASTIC SUPPORT SHEET.
4. POURABLE SEALER MUST COMPLETELY FILL POURABLE SEALER POCKET TO PREVENT PONDING OF WATER.
5. POURABLE SEALER MUST CONTACT PRIMED QUICK-APPLIED UNCURED EPDM FLASHING AND DECK MEMBRANE.
6. SECUREMENT IS REQUIRED FOR POURABLE SEALER POCKETS WHICH ARE GREATER THAN 18" (46cm) IN DIAMETER. REFER TO SPECIFICATIONS.
7. ON MECHANICALLY-FASTENED ROOFING SYSTEMS, ADDITIONAL MEMBRANE SECUREMENT IS REQUIRED REGARDLESS OF SIZE OR DIAMETER.
8. MINIMUM 17.5 (45cm) CLEARANCE REQUIRED BETWEEN PENETRATIONS.
9. MAXIMUM WARRANTY 30 YEARS



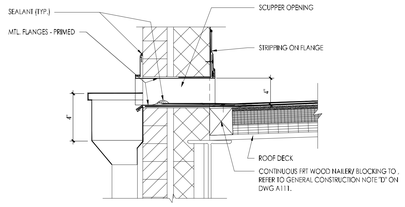
6 TYPICAL PITCH POCKET DETAIL
3" = 1'-0"



7 TYPICAL NEW ROOFTOP UNIT CURB FLASHING
3" = 1'-0"



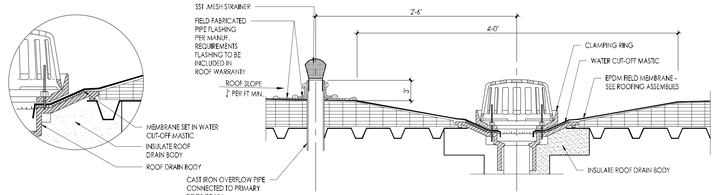
PLAN



SECTION

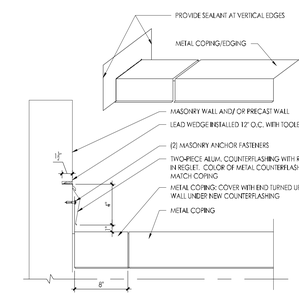
8 TYPICAL THRU-WALL SCUPPER FLASHING DETAIL
1-1/2" = 1'-0"

NOTE: OVERFLOW DRAIN PIPE BY PLUMBING CONTRACTOR

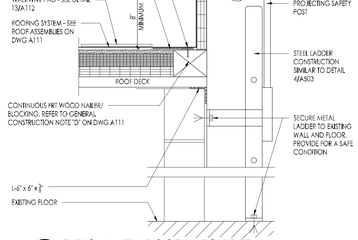


NOTES:
1. ALL BOLTS OR CLAMPS MUST BE IN PLACE TO PROVIDE CONSTANT COMPRESSION ON WATER CUT-OFF MASTIC.
2. CUT THE MEMBRANE SO IT EXTENDS A MINIMUM OF 2" FROM THE ATTACHMENT POINTS OF THE EPDM CLAMPING RING.
3. HOLE IN MEMBRANE MUST EXCEED SIZE OF DRAIN PIPE.
4. INSULATION TAPER SHALL NOT BE STEEPER THAN 6 INCHES (VERTICALLY) IN 12 INCHES (HORIZONTAL).

9 TYPICAL ROOF DRAIN AND OVERFLOW DETAIL
1-1/2" = 1'-0"

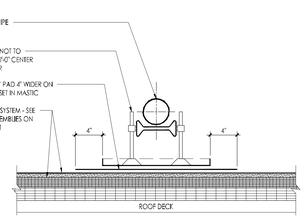


10 TYPICAL METAL COPING/ AREA DIVDER COVER TERMINATION AT RISING WALL
1-1/2" = 1'-0"



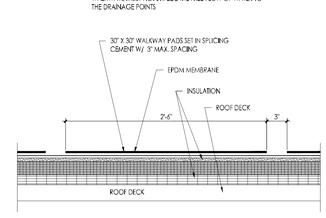
11 TYPICAL NEW ROOF HATCH DETAIL
1-1/2" = 1'-0"

NOTE:
WALKWAYS MUST NOT IMPEDE THE FREE FLOW OF WATER TO THE DRAINAGE POINTS
QUANTITIES OF PIPE VARY - CONFIRM ACTUAL QUANTITIES IN FIELD

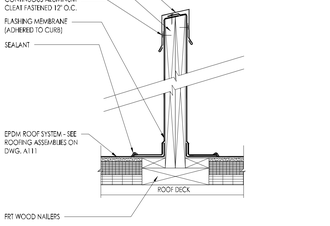


12 TYPICAL PIPE SUPPORT DETAIL
1-1/2" = 1'-0"

NOTE:
WALKWAYS MUST NOT IMPEDE THE FREE FLOW OF WATER TO THE DRAINAGE POINTS



13 TYPICAL WALK WAY PAD DETAIL
1-1/2" = 1'-0"

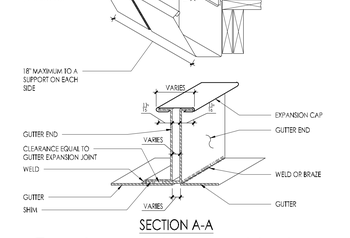


15 TYPICAL NEW ROOFTOP EQUIPMENT SUPPORT RAIL
1-1/2" = 1'-0"

14 AREA DIVIDER TYPICAL
1-1/2" = 1'-0"

NOTES:
1. AREA DIVIDER W/ PRE-MANUFACTURED COVER SHALL BE INCLUDED IN MANUFACTURER'S WARRANTY.

REFER TO SMACNA GUIDELINES FOR VARIABLE DIMENSIONS



SECTION A-A

16 TYPICAL BUILT-IN GUTTER EXPANSION JOINT
N.T.S.

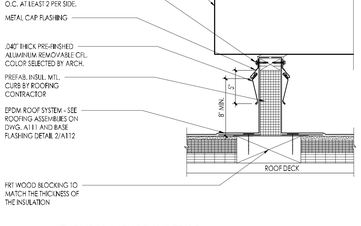
17 NOT USED
N.T.S.

18 TYPICAL ROUND PENETRATION DETAIL
1-1/2" = 1'-0"

SECTION

ELEVATION

21 TYPICAL ROOF ACCESS LADDER W/ PLATFORM
1-1/2" = 1'-0"



19 END DETAIL AT PARAPET WALL
1-1/2" = 1'-0"

20 TYPICAL DOWNSPOUT DETAIL
1-1/2" = 1'-0"

NOTES:
1. 1/4" UNCURED FLASHING SHALL HAVE 3" MINIMUM MEMBRANE SPLICE
2. TEMPERATURE MUST NOT EXCEED 180°F
3. INSULATE AT COLD PIPES

22 TYP. ROUND PENETRATION DETAIL @ HEAT STACK
3" = 1'-0"

23 TYPICAL CAPPED CURB DETAIL
1-1/2" = 1'-0"

NOTE:
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NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A07706000 | PA - RA012520Y
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI00129700
JASON J. GROMOTKA, AIA
NJ - 21AI01170600 PA - RA406989
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00051000 | PA - RA414055
Architect
10/10/25
Date

FVHD Architects Engineers Fraytak Velez Hopkins Duthie PC
Corporate: 15 15 Lower Ferry Road Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
MS / NEH

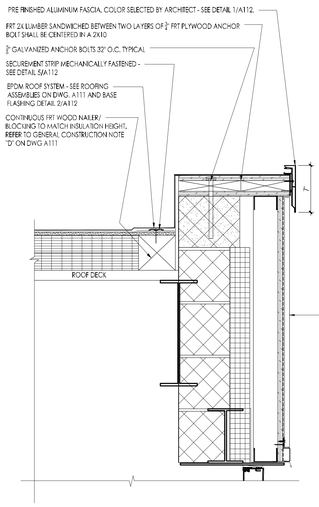
Scale
AS NOTED

Drawing Name
Roof Details

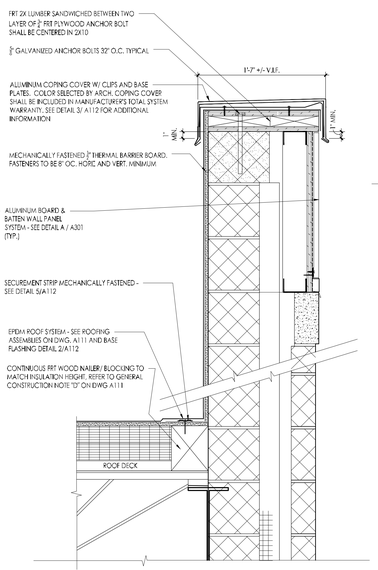
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

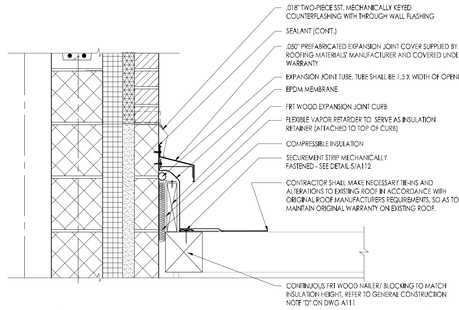
Drawing Number
A112



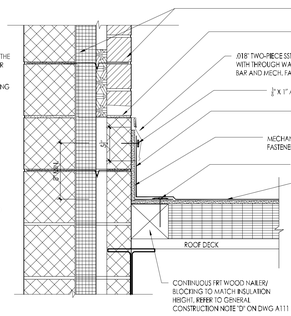
1 TYPICAL PARAPET WALL W/ METAL EDGE
1-1/2" = 1'-0"



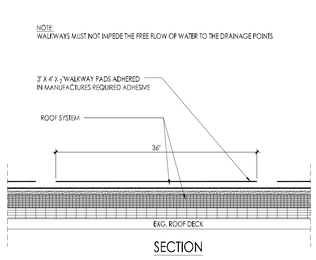
2 TYPICAL PARAPET WALL W/ COPING COVER
1-1/2" = 1'-0"

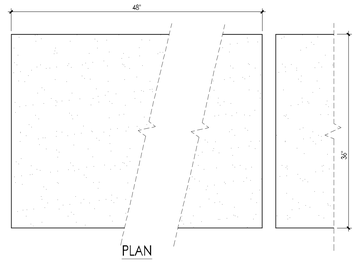


3 TYPICAL ROOF TO WALL EXPANSION JOINT
1-1/2" = 1'-0"

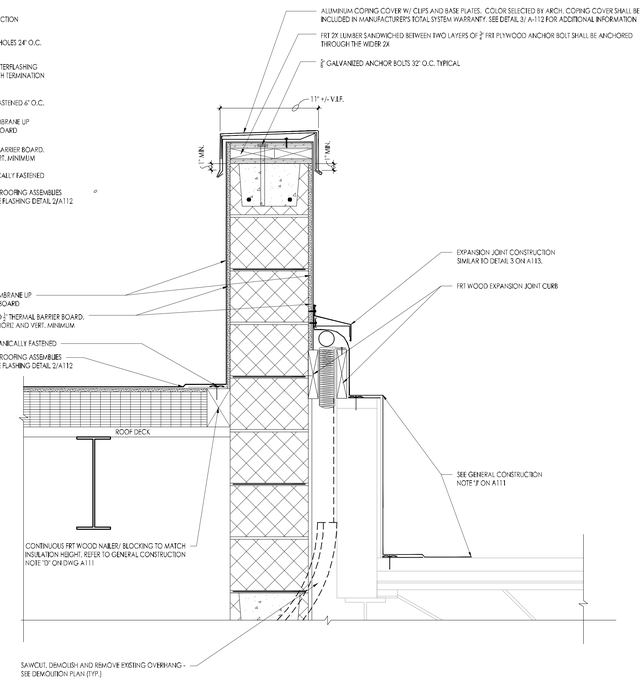


4 TYPICAL BASE FLASHING AT CAVITY WALL
1-1/2" = 1'-0"

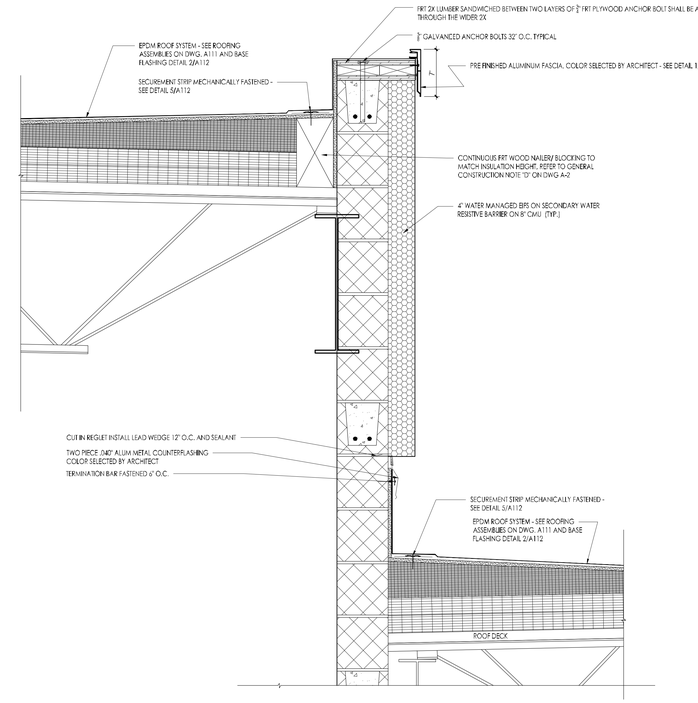




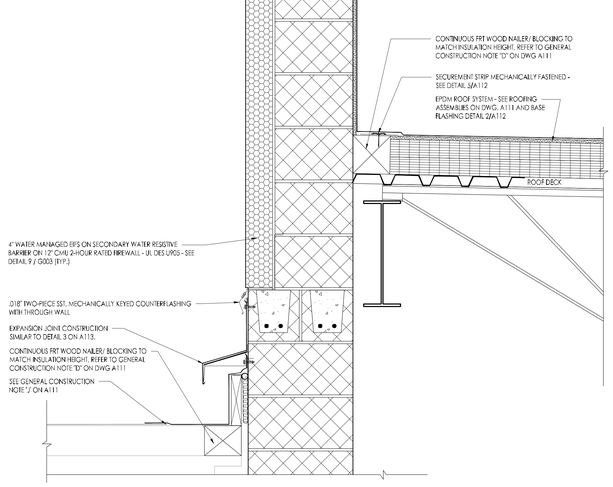
5 TYPICAL WALKWAY PAD
1-1/2" = 1'-0"



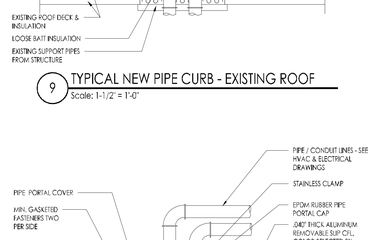
6 EXPANSION JOINT BETWEEN ADDITION 'A' AND EXISTING BUILDING
1-1/2" = 1'-0"



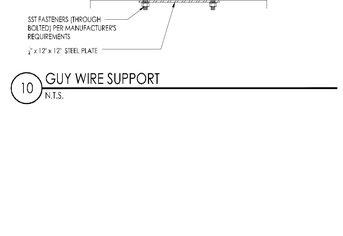
7 RISING WALL WITH METAL EDGE AND E.I.F.S. PANELS
1-1/2" = 1'-0"



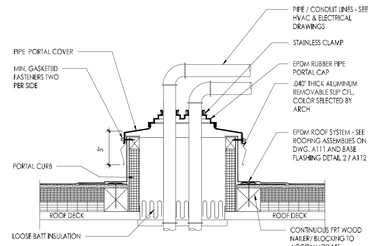
8 EXPANSION JOINT BETWEEN ADDITION 'B' AND EXISTING BUILDING
1-1/2" = 1'-0"



9 TYPICAL NEW PIPE CURB - EXISTING ROOF
Scale: 1-1/2" = 1'-0"



10 GUY WIRE SUPPORT
N.T.S.



11 TYPICAL NEW PIPE CURB - NEW ROOF
1-1/2" = 1'-0"

NOTE:
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NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A01706600 | PA - RA012520
GEORGE R. DUTHIE JR., AIA PP
NJ - 21AI00127700
JASON J. DUBOWITCH, AIA
NJ - 21AI00127700 | PA - RA416081
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00331100 | PA - RA416083
Date 10/10/25
Architect
FVHDPC.COM
Corporate: 1515 Lower Ferry Road Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue Mont Clare - Pennsylvania 19453

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
MS / NEH

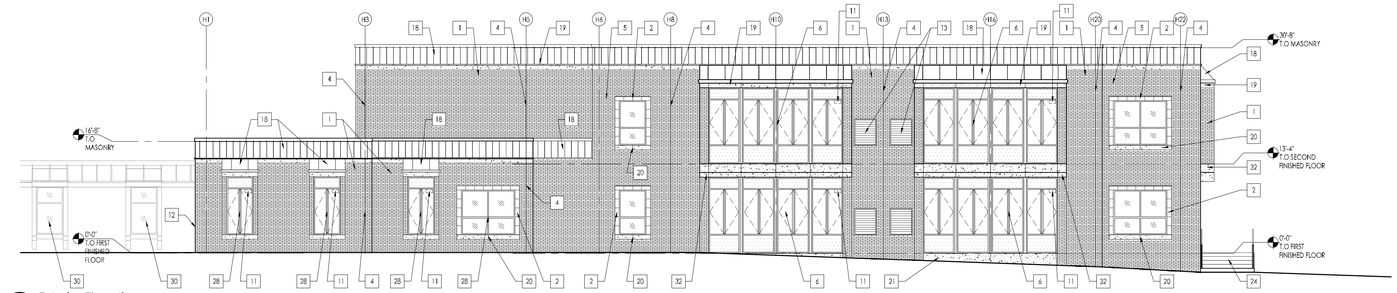
Scale
AS NOTED

Drawing Name
Roof Details

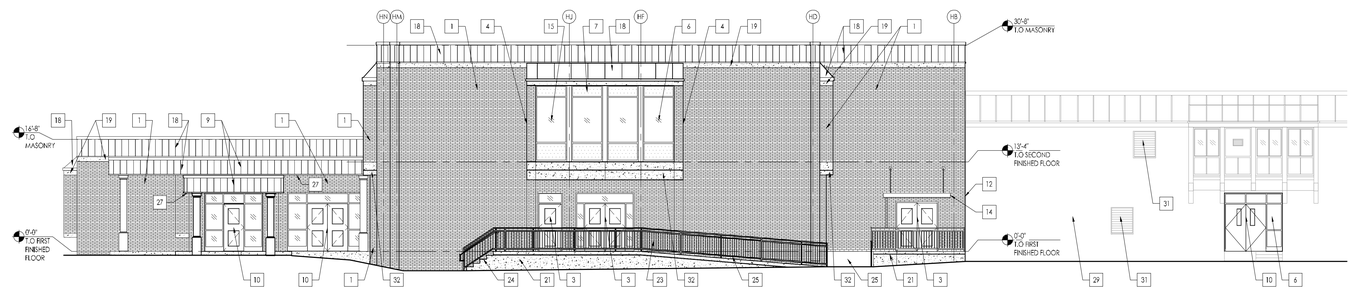
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

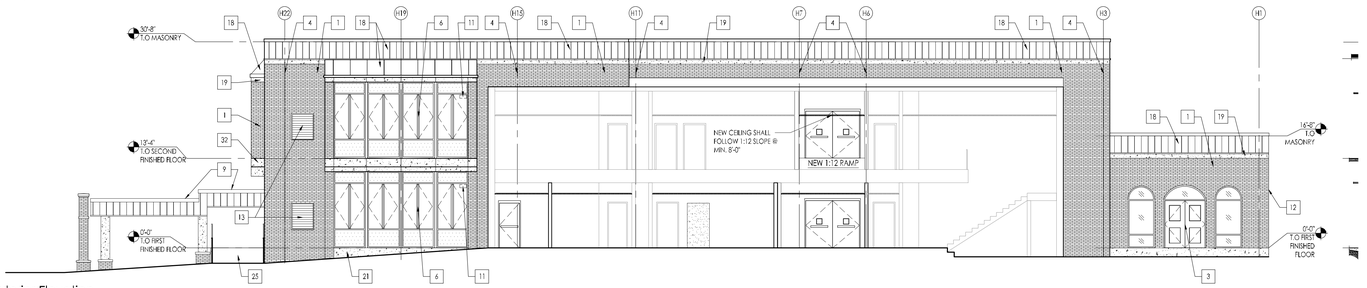
Drawing Number
A113



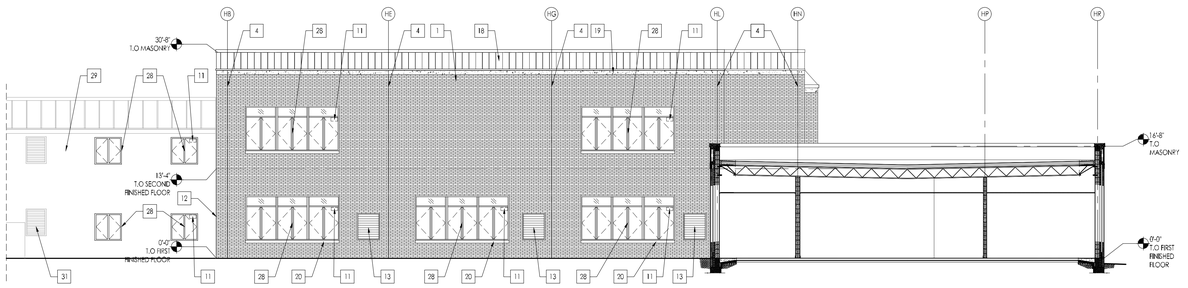
1 Exterior Elevation
1/8" = 1'-0"



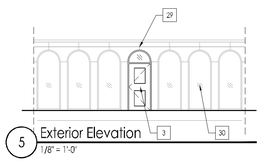
2 Exterior Elevation
1/8" = 1'-0"



3 Exterior Elevation
1/8" = 1'-0"



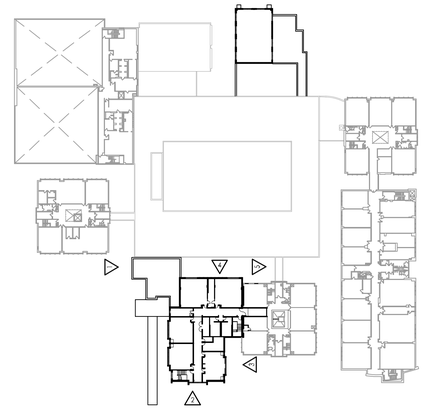
4 Exterior Elevation
1/8" = 1'-0"



5 Exterior Elevation
1/8" = 1'-0"

KEYNOTE FINISH LEGEND

1	4" BRICK VENEER, RUNNING BOND
2	4" ARCHITECTURAL CMU VENEER, SOLDIER BOND
3	FRP DOOR IN ALUMINUM FRAME, REFER TO DOOR SCHEDULE
4	MASONRY CONTROL JOINT, REFER TO G003
5	4" ARCHITECTURAL CMU VENEER, RUNNING BOND
6	ALUMINUM STOREFRONT SYSTEM
7	INSULATED METAL PANEL IN EXISTING WINDOW SYSTEM
8	NOT USED
9	NEW COVERED WALKWAY, REFER TO A505 DRAWING SHEET & SPECIFICATIONS FOR DETAILS
10	ALUMINUM DOOR IN ALUMINUM FRAME, REFER TO DOOR SCHEDULE
11	ROOM NUMBER SIGNAGE TO MATCH EXISTING
12	EXPANSION JOINT, REFER TO DRAWING SHEET G003
13	UNIT VENTILATOR LOUVER, REFER TO MECHANICAL DRAWINGS
14	ALUMINUM CANOPY W/ INTEGRAL DRAINAGE, INCLUDING LEADER, REFER TO SPECIFICATIONS
15	PAINTED CAST IRON DOWNSPOUT BOOT WITH CLEANOUT - SEE CIVIL DRAWINGS (TYP.)
16	NOT USED
17	NOT USED
18	COMPOSITE METAL PANEL, COLOR BY ARCHITECT, REFER TO WALL SECTIONS FOR DETAILS
19	CONTINUOUS CAST STONE BAND, REF A304 FOR DETAILS
20	CAST STONE SILL REF A304 FOR DETAILS
21	SMOOTH TROWEL FINISH ON ALL EXPOSED VERTICAL CONCRETE WALL SURFACES, TYP
22	NOT USED
23	ALUMINUM RAILING SYSTEM, REFER TO CIVIL DRAWINGS FOR DETAILS
24	CONCRETE STAIRS WITH LANDING & HANDRAILS, REFER TO CIVIL DRAWINGS FOR DETAILS
25	CONCRETE RAMP WITH LANDING & HANDRAILS, REFER TO CIVIL DRAWINGS FOR DETAILS
26	NOT USED
27	METAL SOFFIT PANEL SYSTEM, REF WALL SECTIONS
28	ALUMINUM WINDOW SYSTEM - SEE WINDOW TYPES
29	EXISTING BUILDING TO REMAIN
30	EXISTING WINDOW TO REMAIN
31	EXISTING LOUVER TO REMAIN
32	CAST STONE PANEL
33	INSULATED TRANSLUCENT FIBERGLASS SANDWICH PANEL SYSTEM



Key Plan
Scale: 1/64" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI37760000 | PA - RA012520X

GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI00129700

JASON J. SHOWITCH, AIA
NJ - 21AI37760000 | PA - RA406989

STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00051000 | PA - RA414055

FVHD Fraytak Velez Hopkins Duthie PC

Corporate: 15 S Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453

F V H D P C . C O M

10/10/25 Date

William D. Hopkins Architect

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
ETS

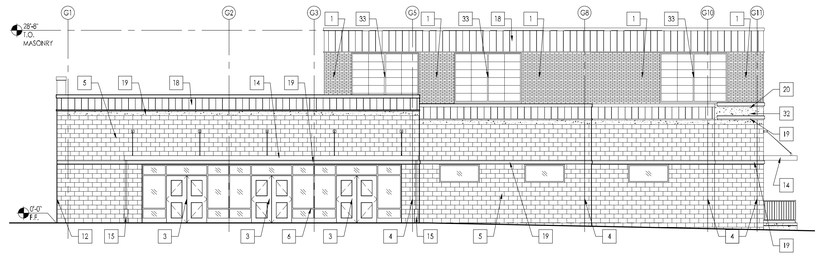
Scale
As Noted

Drawing Name
Exterior Elevations

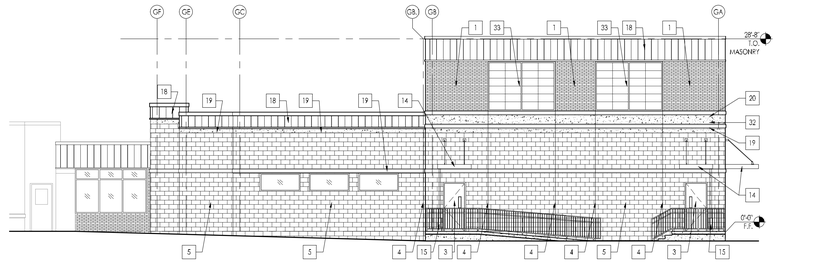
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION

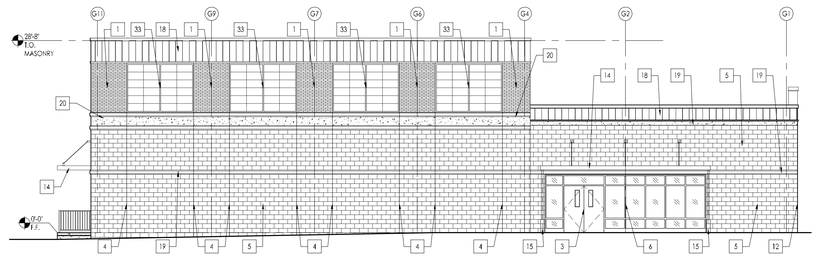
Drawing Number
A201



1 Exterior Elevation
1/8" = 1'-0"



2 Exterior Elevation
1/8" = 1'-0"



3 Exterior Elevation
1/8" = 1'-0"

4 Exterior Elevation
1/8" = 1'-0"

KEYNOTE FINISH LEGEND

1	4" BRICK VENEER, RUNNING BOND
2	4" ARCHITECTURAL CMU VENEER, SOLDIER BOND
3	FRP DOOR IN ALUMINUM FRAME, REFER TO DOOR SCHEDULE
4	MASONRY CONTROL JOINT, REFER TO G003
5	4" ARCHITECTURAL CMU VENEER, RUNNING BOND
6	ALUMINUM STOREFRONT SYSTEM
7	INSULATED METAL PANEL IN EXISTING WINDOW SYSTEM
8	NOT USED
9	NEW COVERED WALKWAY, REFER TO A505 DRAWING SHEET & SPECIFICATIONS FOR DETAILS
10	ALUMINUM DOOR IN ALUMINUM FRAME, REFER TO DOOR SCHEDULE
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15	PAINTED CAST IRON DOWNSPOUT BOOT WITH CLEANOUT - SEE CIVIL DRAWINGS (TYP.)
16	NOT USED
17	NOT USED
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21	SMOOTH TROWEL FINISH ON ALL EXPOSED VERTICAL CONCRETE WALL SURFACES, TYP
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24	CONCRETE STAIRS WITH LANDING & HANDRAILS, REFER TO CIVIL DRAWINGS FOR DETAILS
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26	NOT USED
27	METAL SOFFIT PANEL SYSTEM, REF WALL SECTIONS
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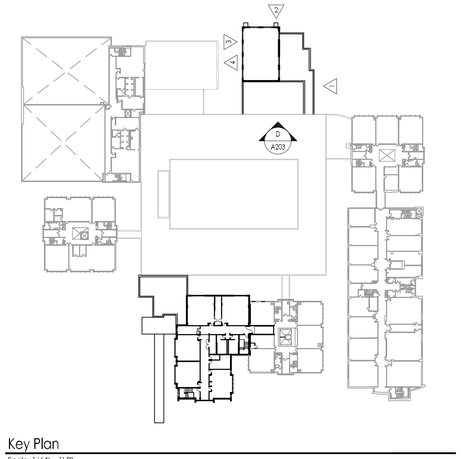
32	CAST STONE PANEL
33	INSULATED TRANSLUCENT FIBERGLASS SANDWICH PANEL SYSTEM



Key Plan
Scale: 1/64" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
N.J. 21AI01706001 | PA - RA012520Y

GEORGE R. DUTHIE JR., AIA, PP
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NJ - 21AI01710100 | PA - RA406989

STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00051000 | PA - RA410455

10/10/25
Date

Architect

FVHD Fitzpatrick Valasz Hopkins Duthie PC

Corporate: 151 S Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453

F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
ETS

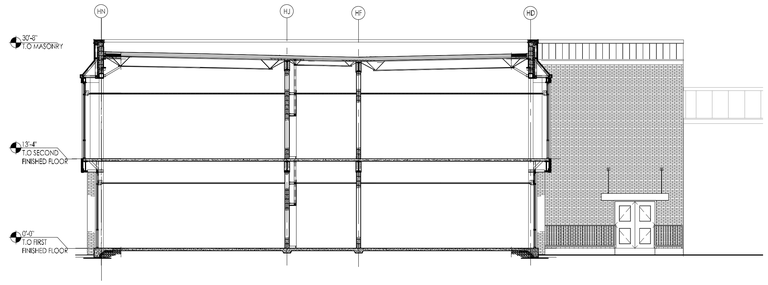
Scale
As Noted

Drawing Name
Exterior Elevations

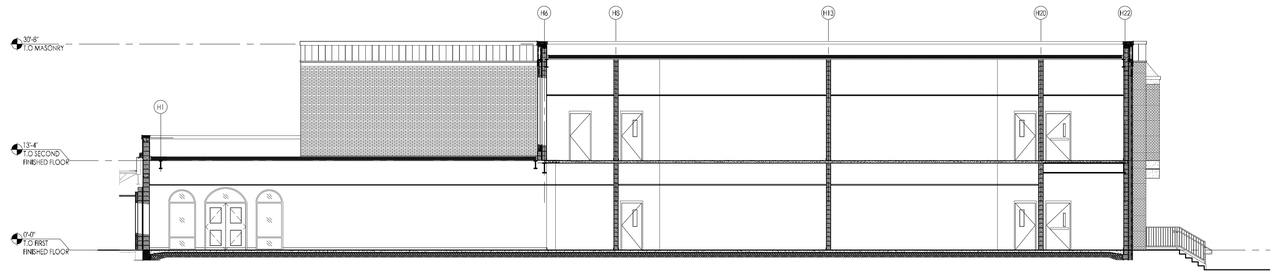
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

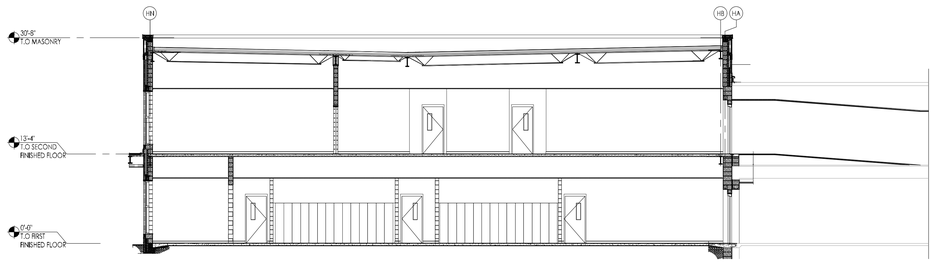
Drawing Number
A202



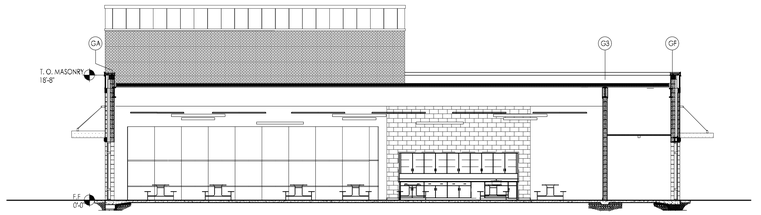
A Building Section A
1/8" = 1'-0"



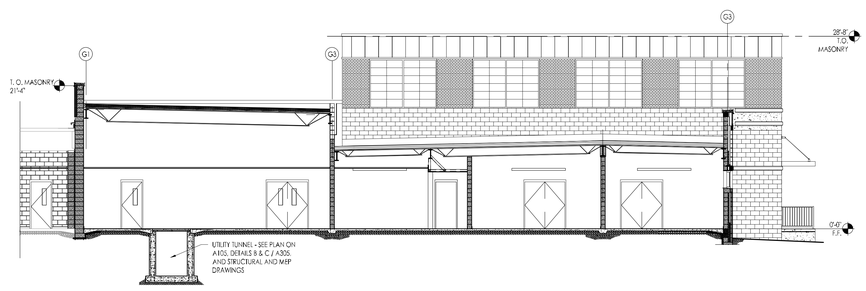
B Building Section B
1/8" = 1'-0"



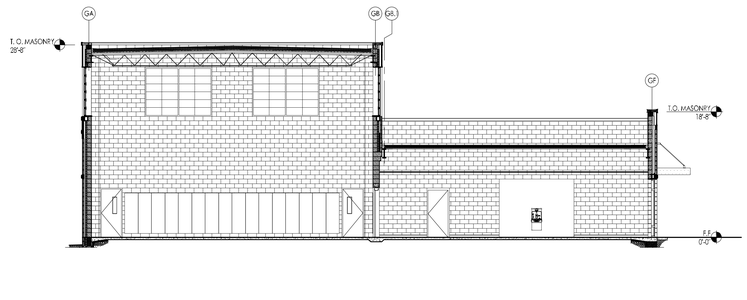
C Building Section C
1/8" = 1'-0"



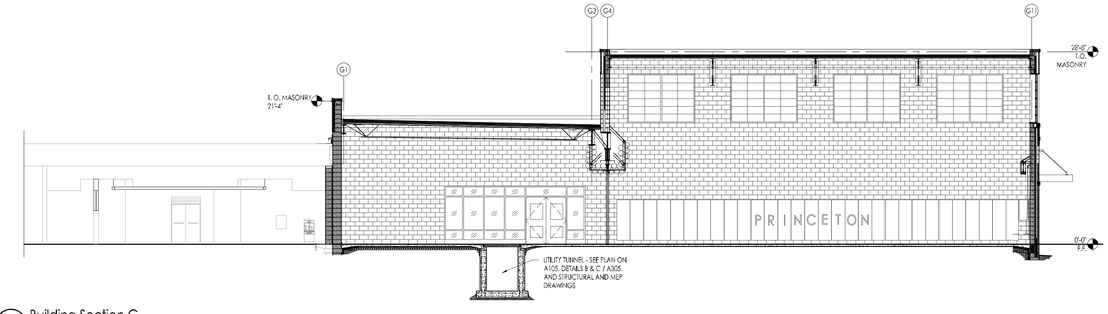
D Building Section D
1/8" = 1'-0"



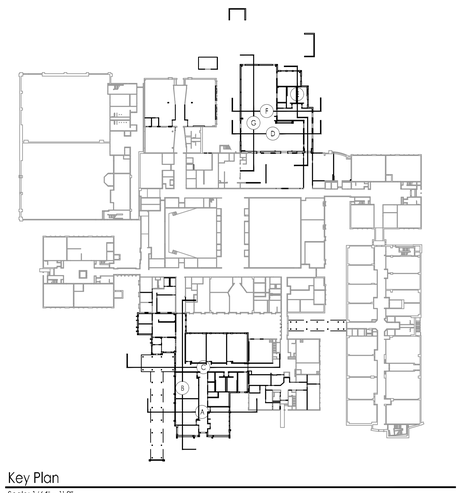
E Building Section E
1/8" = 1'-0"



F Building Section F
1/8" = 1'-0"



G Building Section G
1/8" = 1'-0"



Key Plan
Scale: 1/64" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706300 | PA - RA012501
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01291700
JASON J. DROHOWITCH, AIA
NJ - 21AI01710100 | PA - RA426081
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00051000 | PA - RA416265
10/10/25
Date
Architect

FVHD Fitzpatrick Valasz Hopkins Duthie PC
Corporate: 15 15 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

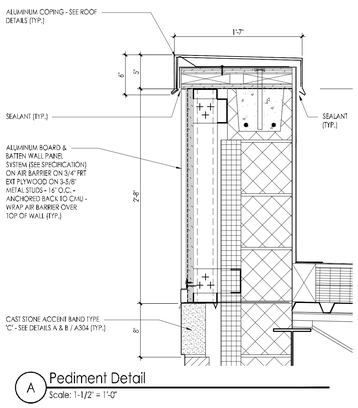
Project Number	5516B
Project Date	10.10.2025
Checked By	GRD
Drawn By	ETS
Scale	As Noted

Drawing Name
Building Sections

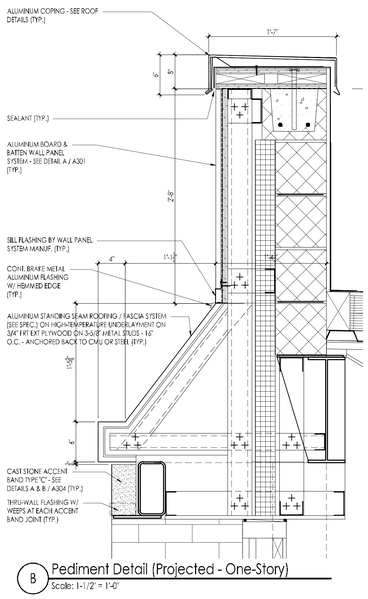
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

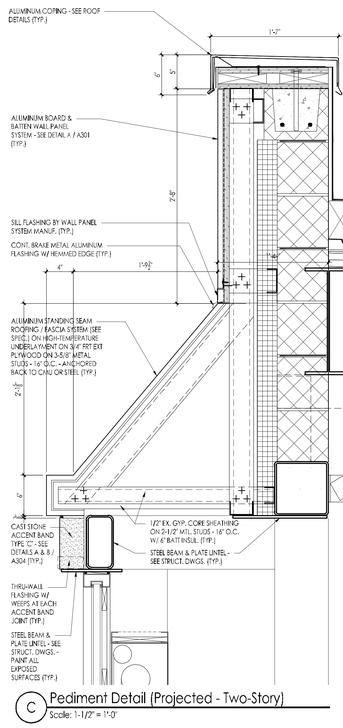
Drawing Number
A203



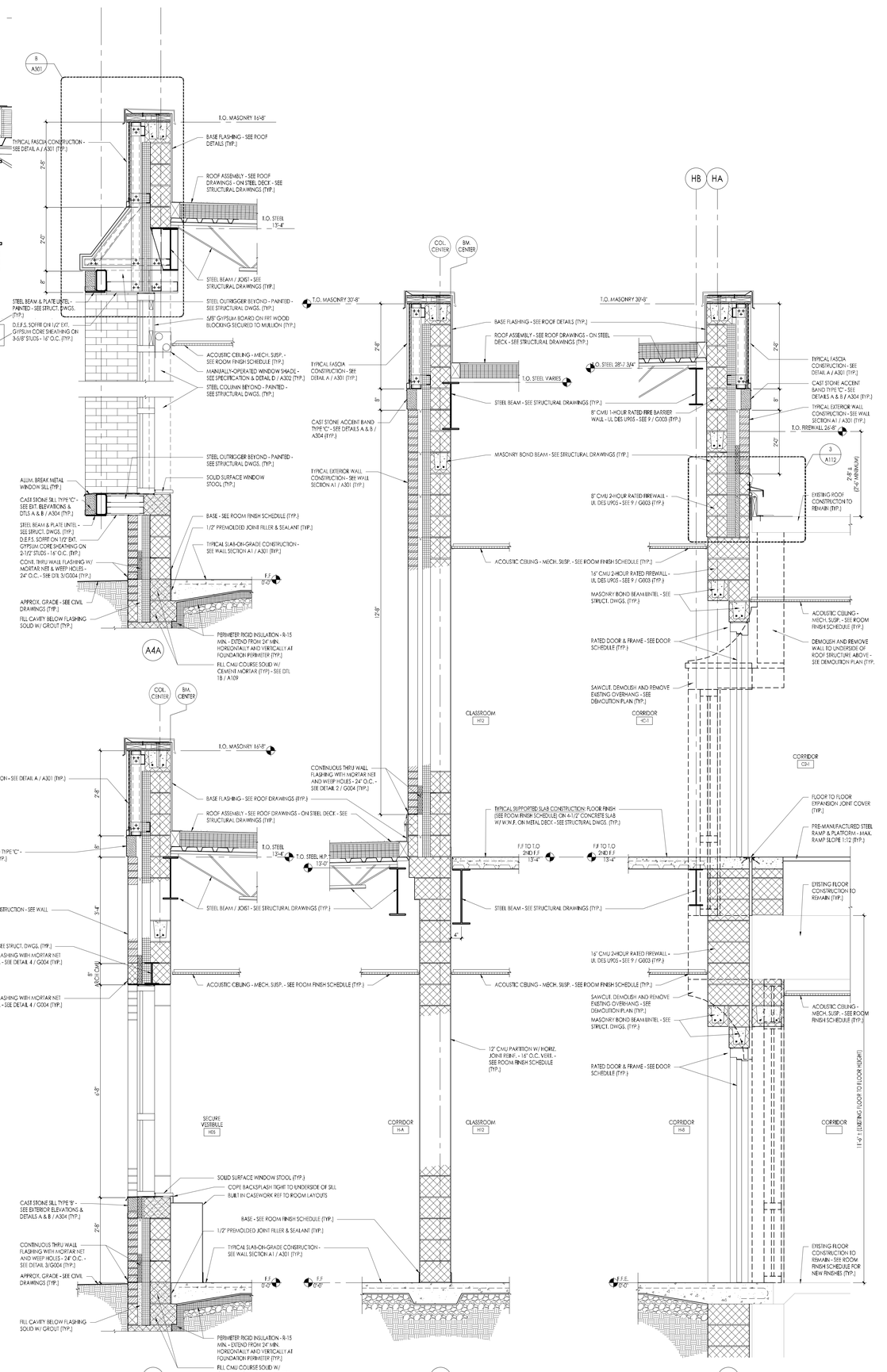
A Pediment Detail
Scale: 1-1/2" = 1'-0"



B Pediment Detail (Projected - One-Story)
Scale: 1-1/2" = 1'-0"



C Pediment Detail (Projected - Two-Story)
Scale: 1-1/2" = 1'-0"



NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI07706001 | PA - RA012501
GEORGE P. DUTHIE JR., AIA, PP
NJ - 21AI00129700
JASON W. ZIEMBOWITCH, AIA
NJ - 21AI00173000 | PA - RA406989
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00051001 | PA - RA410455
William D. Hopkins 10/10/25
Architect
Date
FVHD Fellows Vlasaros Fraytak Velez Hopkins Duthie P.C.
Corporate: 151 5 Lower Ferry Road Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

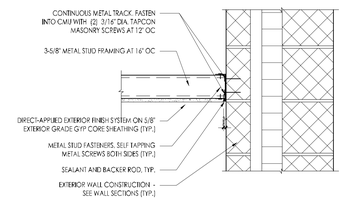
Project Number	5516B
Project Date	10.10.2025
Checked By	GRD
Drawn By	NEH
Scale	AS NOTED

Drawing Name
Wall Sections

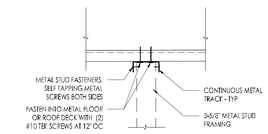
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

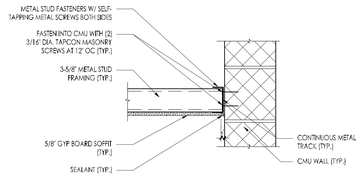
Drawing Number
A301



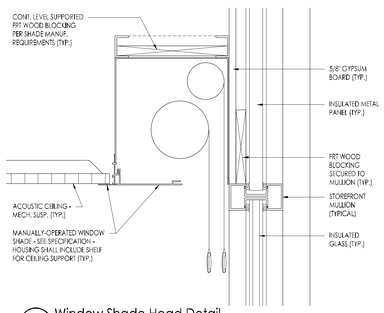
A Typical Capture Track at Exterior Wall
Scale: 1-1/2" = 1'-0"



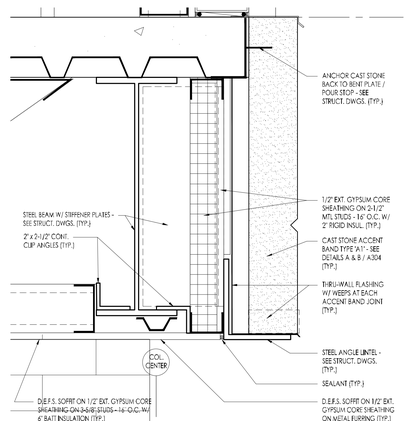
B Typical Capture Track at Metal Floor / Roof Deck
Scale: 1-1/2" = 1'-0"



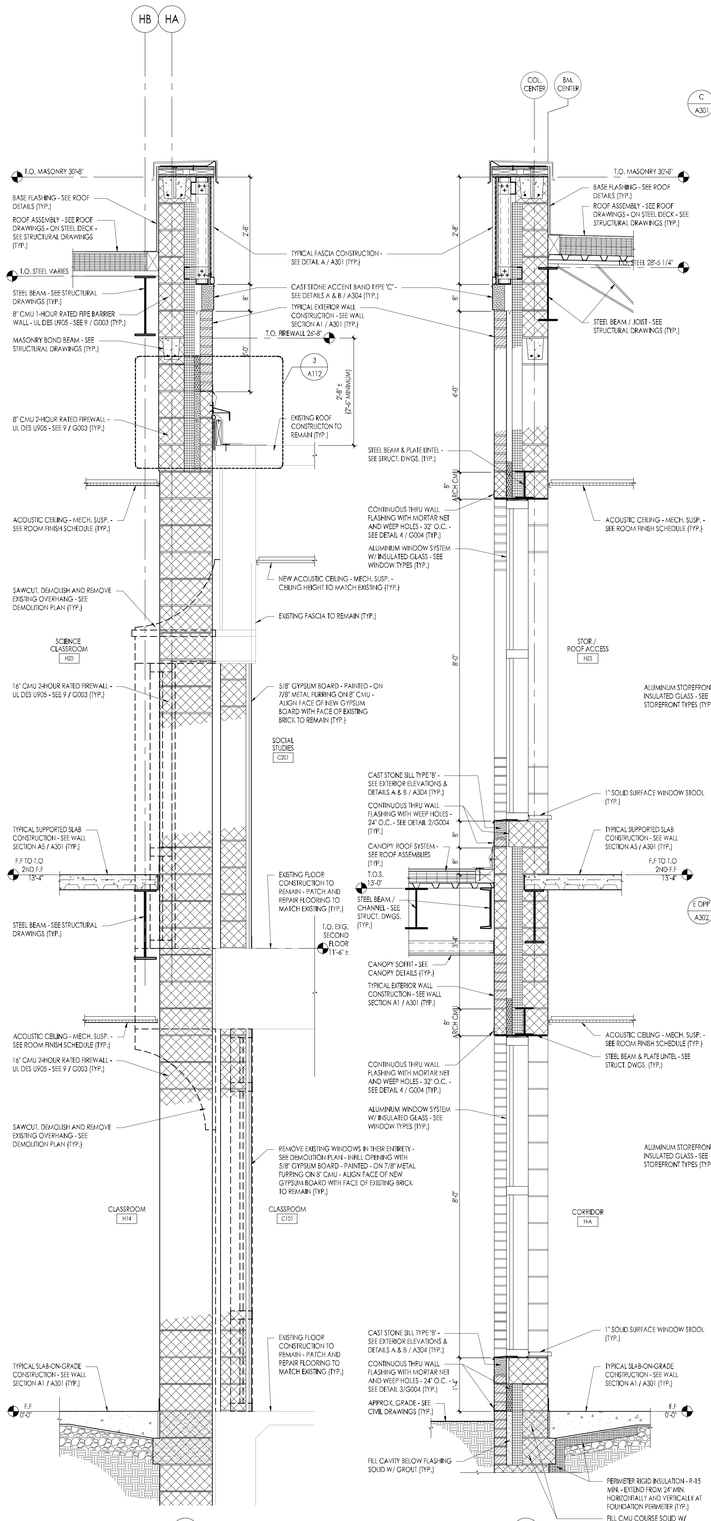
C Typical Capture Track at CMU Wall
Scale: 1-1/2" = 1'-0"



D Window Shade Head Detail
Scale: 3" = 1'-0"



E Soffit Detail
Scale: 3" = 1'-0"



NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A07706000 | PA - RA012520Y
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI00129700
JASON J. SOBOLEWITCH, AIA
NJ - 21AI01710000 | PA - RA406989
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00093100 | PA - RA410455
10/10/25 Date
Architect
FVHD Fitzgerald Velez Hopkins Duthie P.C.
Corporate: 15 I 5 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
XXX

Scale
AS NOTED

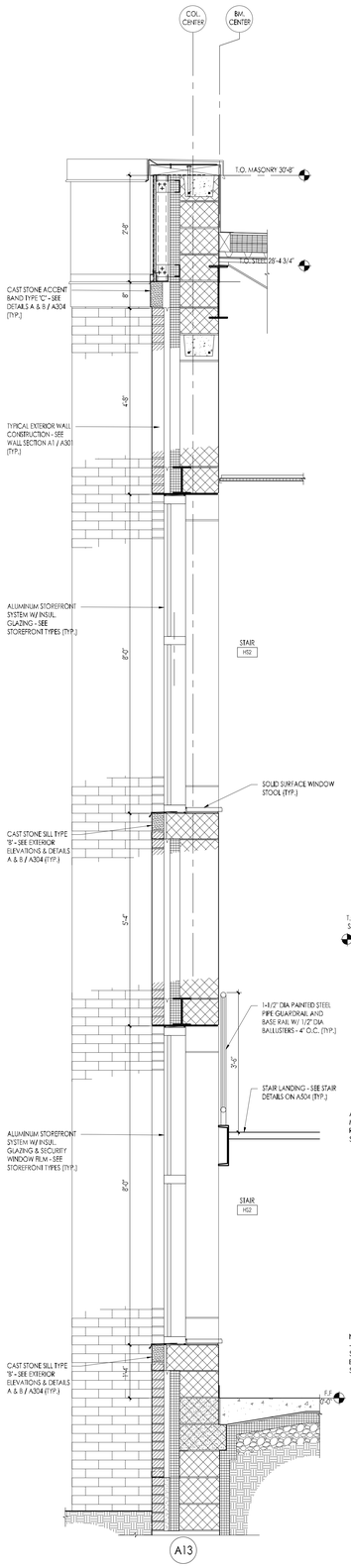
Drawing Name
Wall Sections

Revisions

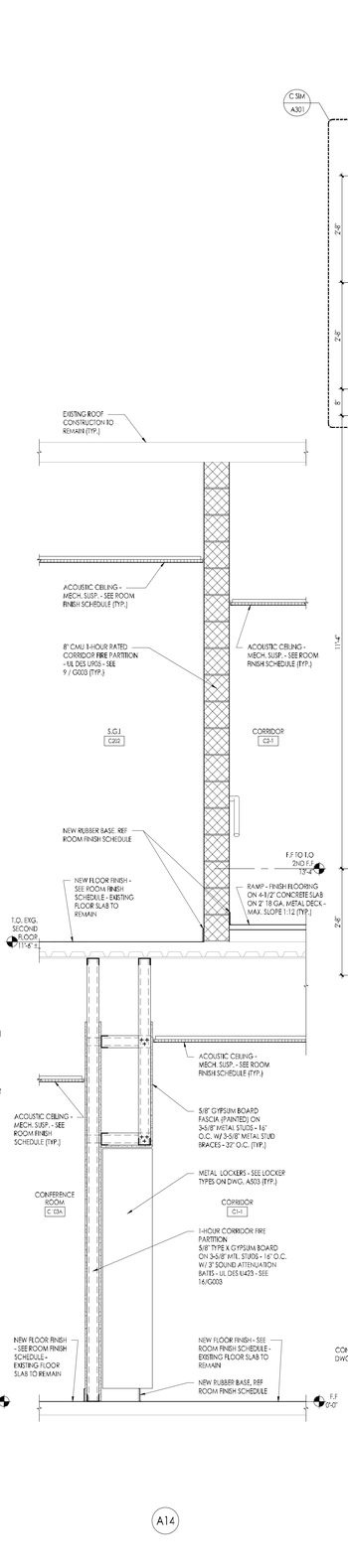
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

Drawing Number
A302

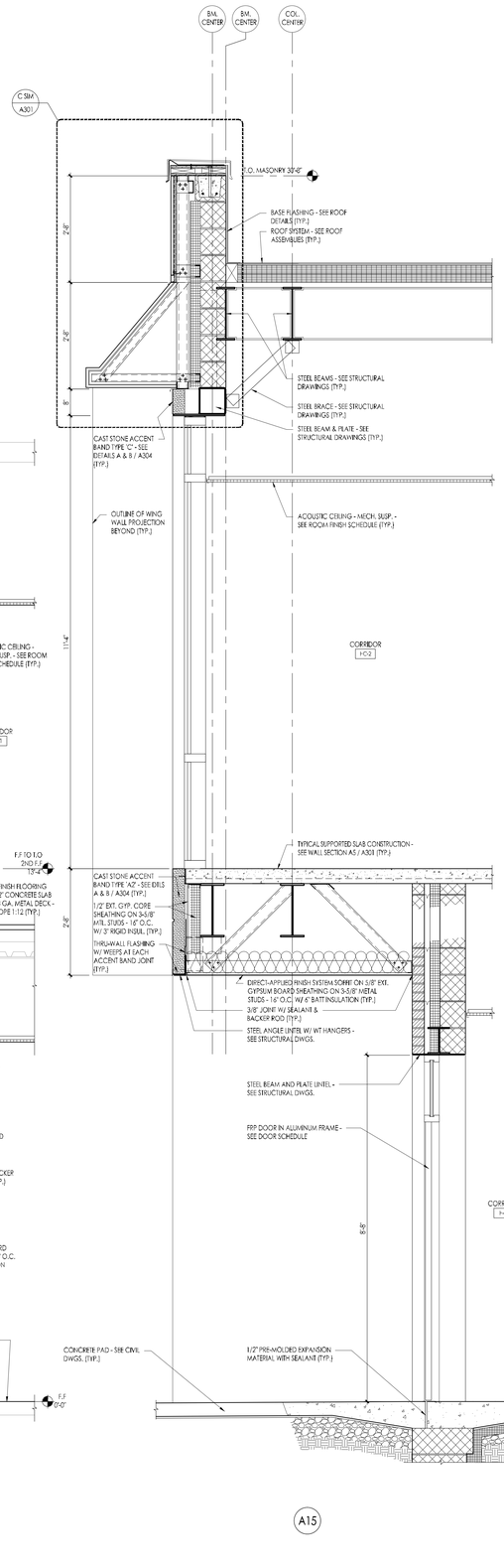
A14



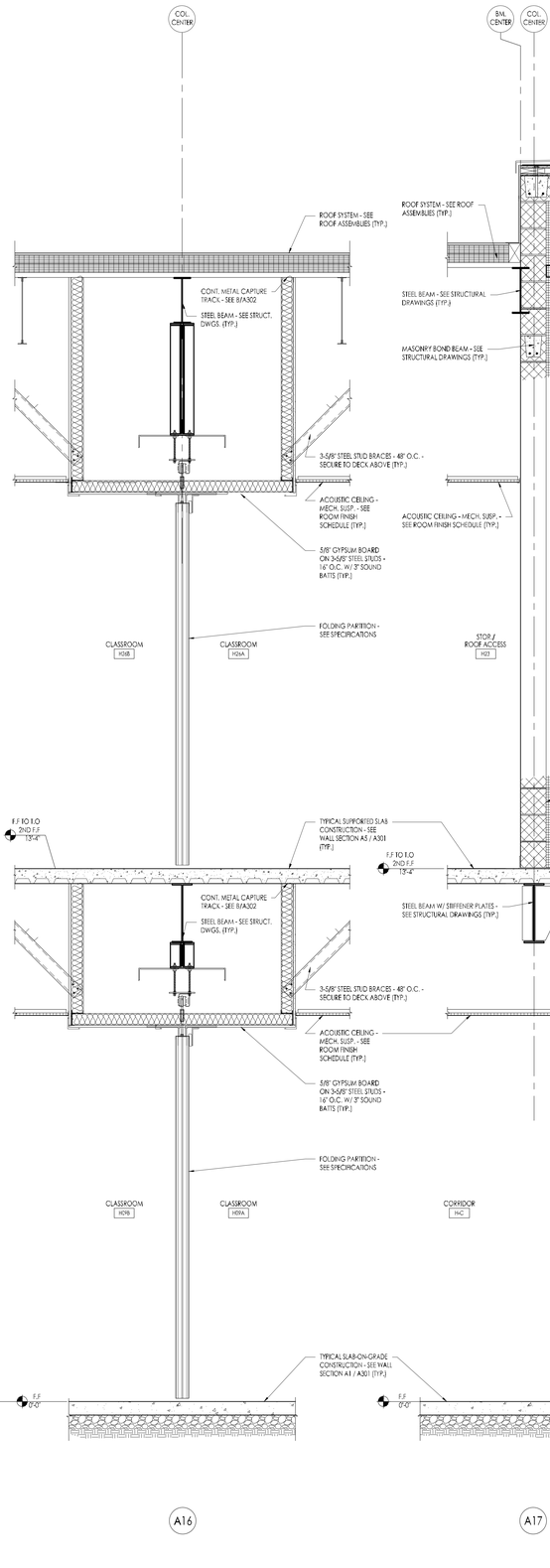
A13



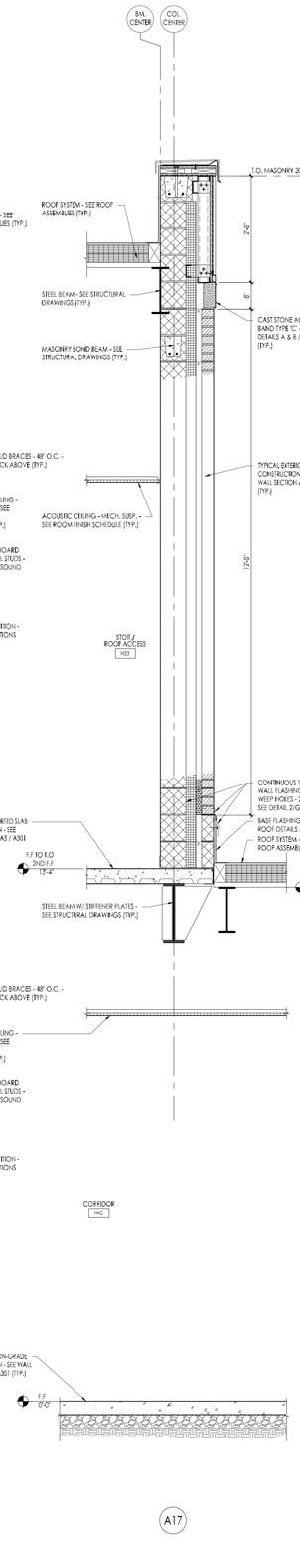
A14



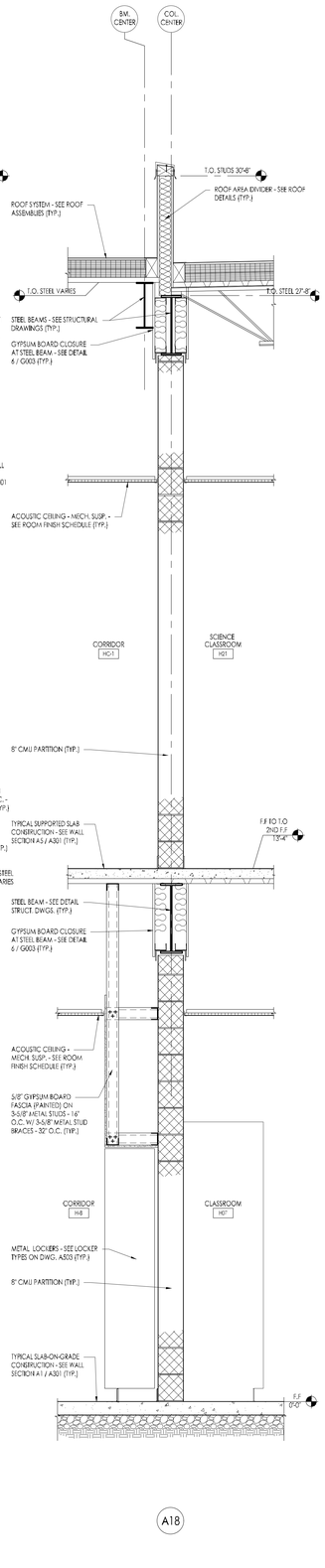
A15



A16



A17



A18

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706001 | PA - RA012501
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI00129700
JASON J. DROBNITCH, AIA
NJ - 21AI01710001 | PA - RA424081
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00001001 | PA - RA410455
10/10/25
Date
Architect

FVHD Fraytak Velez Hopkins Duthie P.C.
Corporate: 15 15 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
NEH

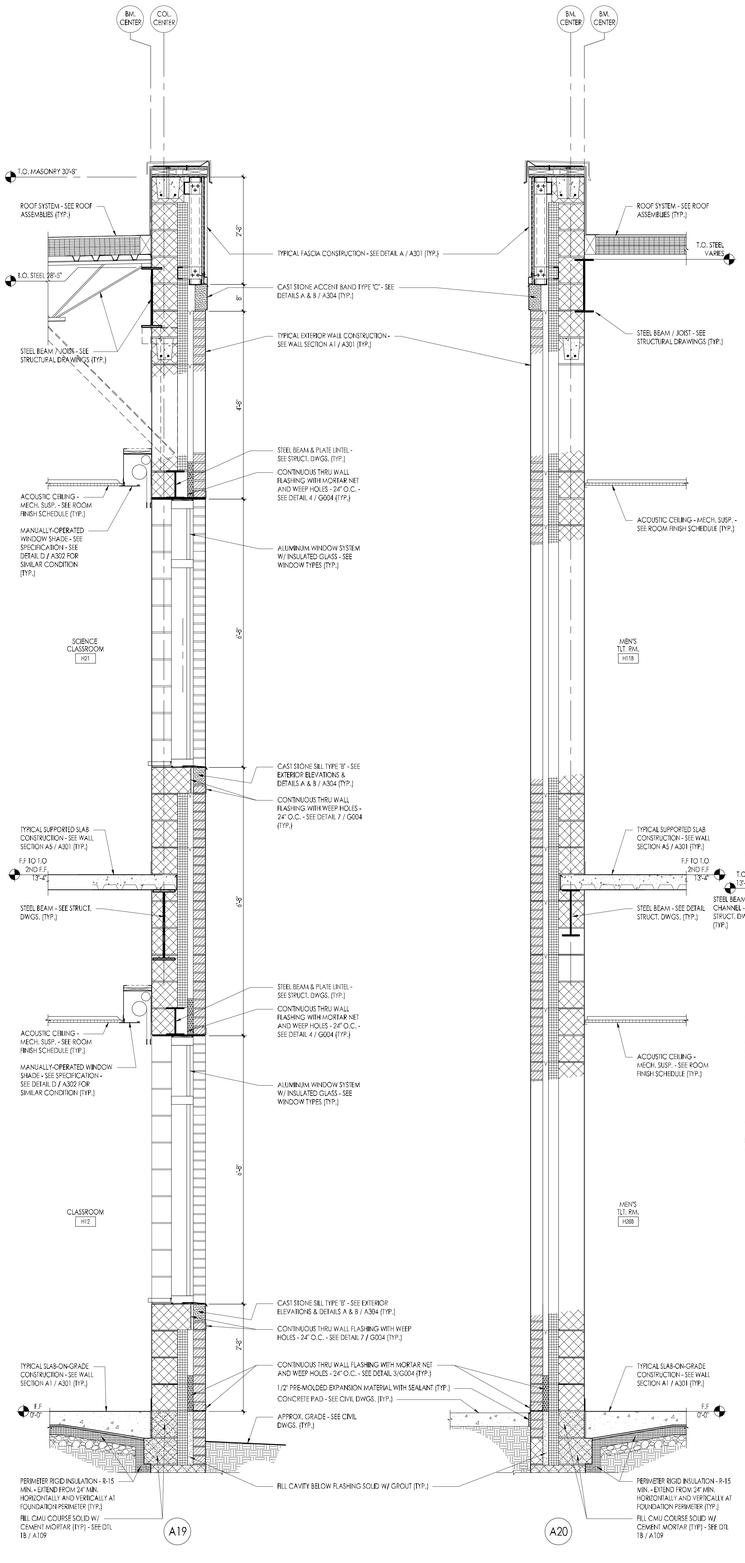
Scale
AS NOTED

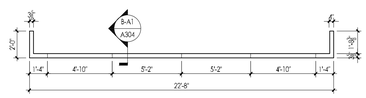
Drawing Name
Wall Sections

Revisions

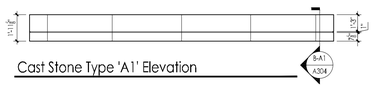
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	NJ DCA RESPONSES

Drawing Number
A303

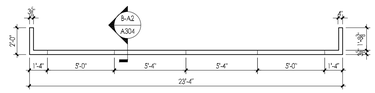




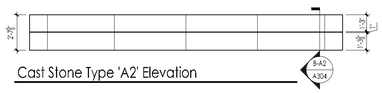
Cast Stone Type 'A1' Plan



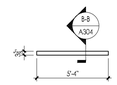
Cast Stone Type 'A1' Elevation



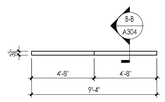
Cast Stone Type 'A2' Plan



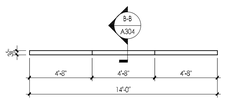
Cast Stone Type 'A2' Elevation



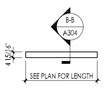
Cast Stone Type 'B1' Plan



Cast Stone Type 'B2' Plan

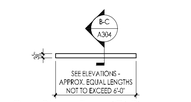


Cast Stone Type 'B3' Plan

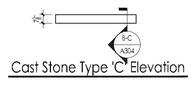


Cast Stone Types 'B1' / 'B2' / 'B3' Elevation

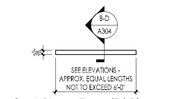
A Cast Stone Details - Plans & Elevations
Scale: 1/4" = 1'-0"



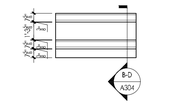
Cast Stone Type 'C' Plan



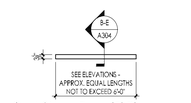
Cast Stone Type 'C' Elevation



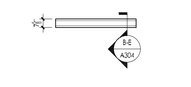
Cast Stone Type 'D' Plan



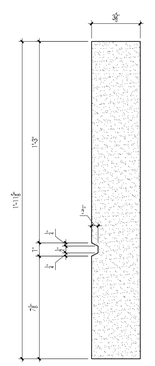
Cast Stone Type 'D' Elevation



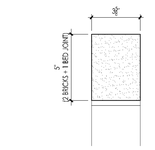
Cast Stone Type 'E' Plan



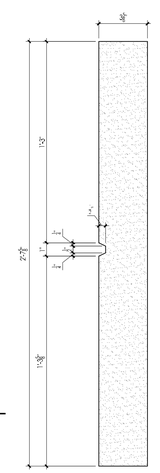
Cast Stone Type 'E' Elevation



Cast Stone Type 'A1' Section

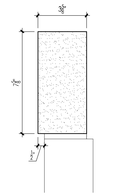


Cast Stone Types 'B1' / 'B2' / 'B3' Section

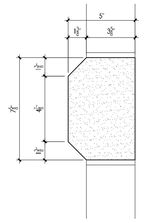


Cast Stone Type 'A2' Section

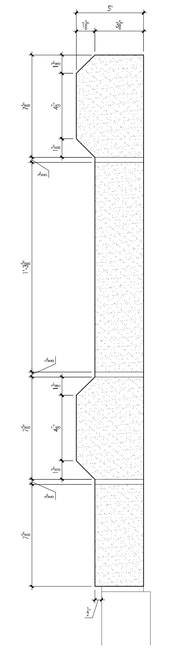
B Cast Stone Details - Sections
Scale: 3" = 1'-0"



Cast Stone Type 'C' Section



Cast Stone Type 'E' Section



Cast Stone Type 'D' Section

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520Y

GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI00412900

JASON J. DRONOWITCH, AIA
NJ - 21AI01710000 | PA - RA426080

STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00000100 | PA - RA416265

Architect

FVHD Fralyak Velez Hopkins Duthie PC

Corporate: 151 S Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453

F V H D P C . C O M

10/10/25
Date

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
NEH

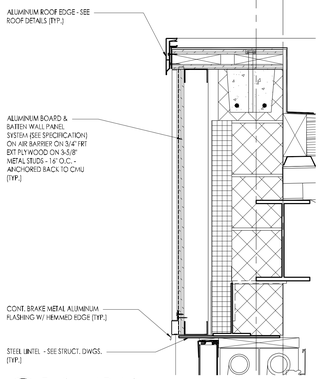
Scale
AS NOTED

Drawing Name
Wall Sections

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.15.25	NJ DCA RESPONSES

Drawing Number
A304



A Pediment Detail
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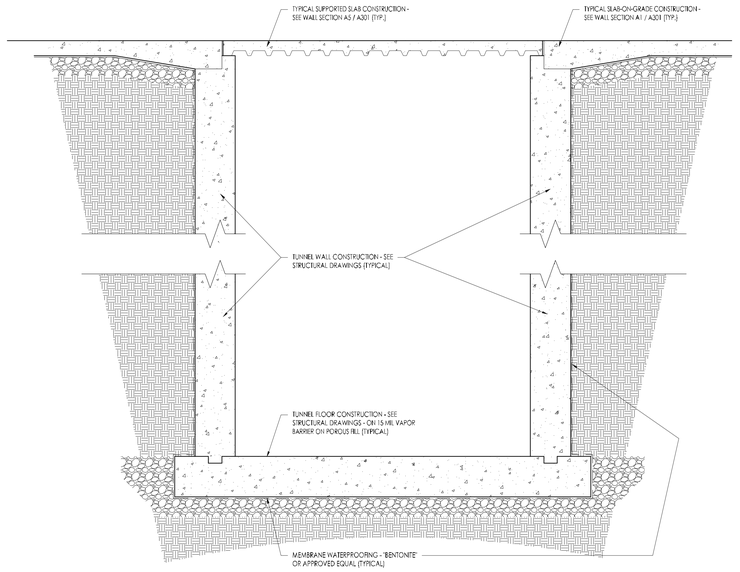

B Utility Tunnel Detail
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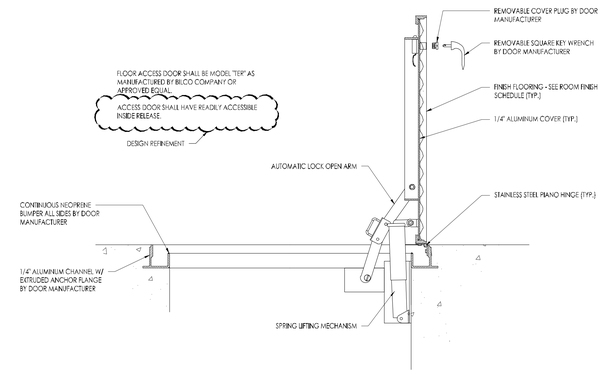

C Floor Access Hatch Detail
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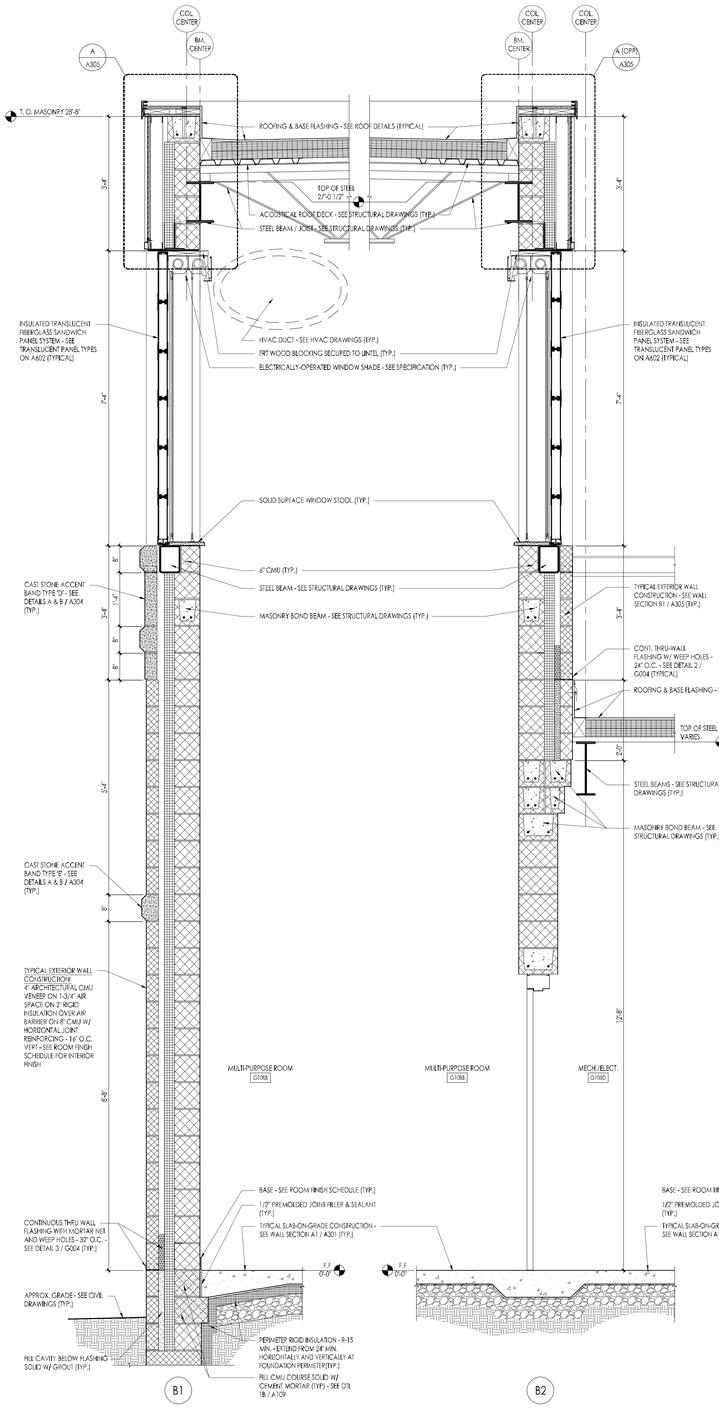

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A07706001 | PA - RA012501
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21A04129100
JASON J. ZIEMBOWITCH, AIA
NJ - 21A07717000 | PA - RA406989
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AE00051001 | PA - RA415455
10/10/25
Date
Architect

FVHD Fitzpatrick Vellez Hopkins Duthie P.C.
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Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
NEH

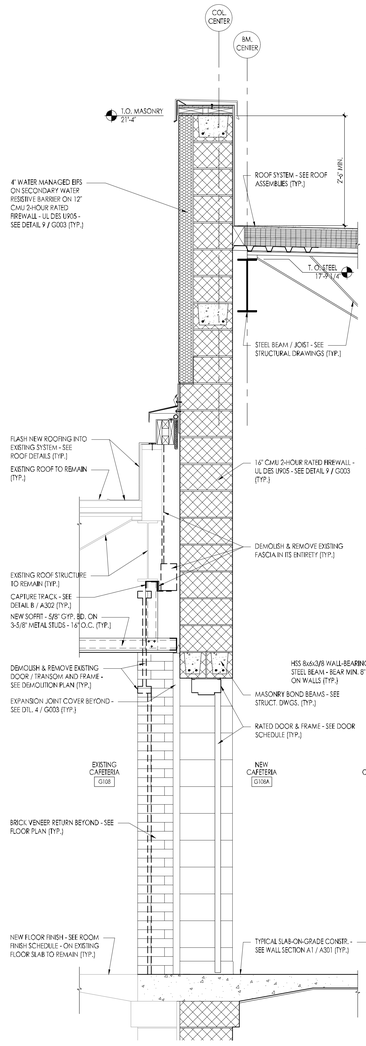
Scale
AS NOTED

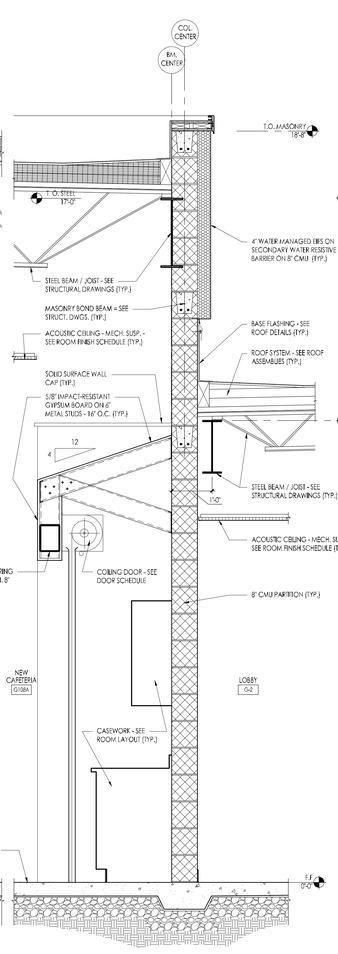
Drawing Name
Wall Sections

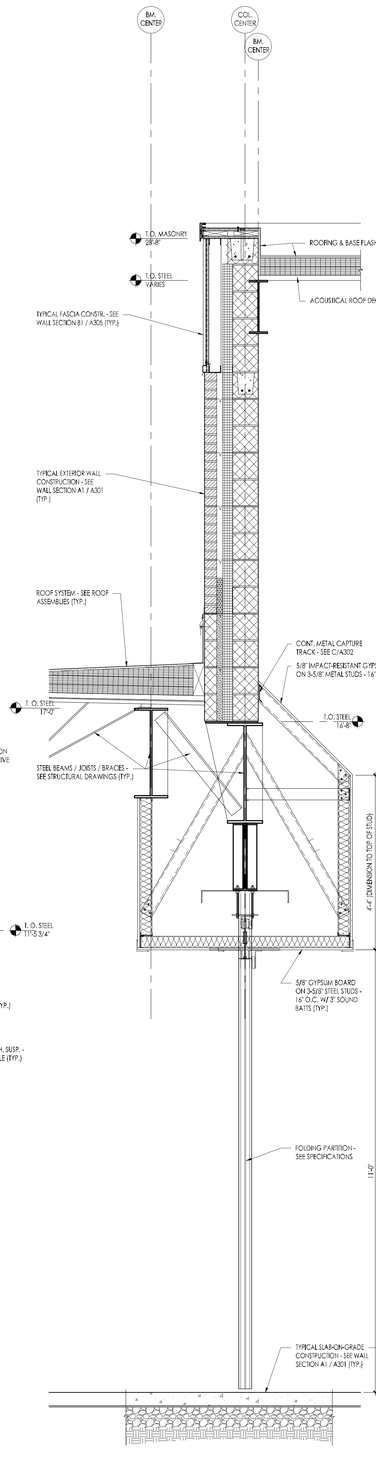
Revisions

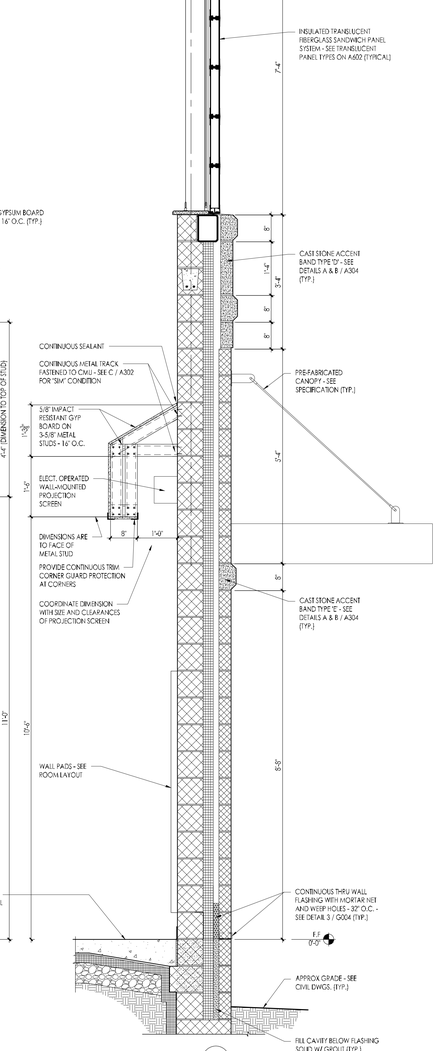
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

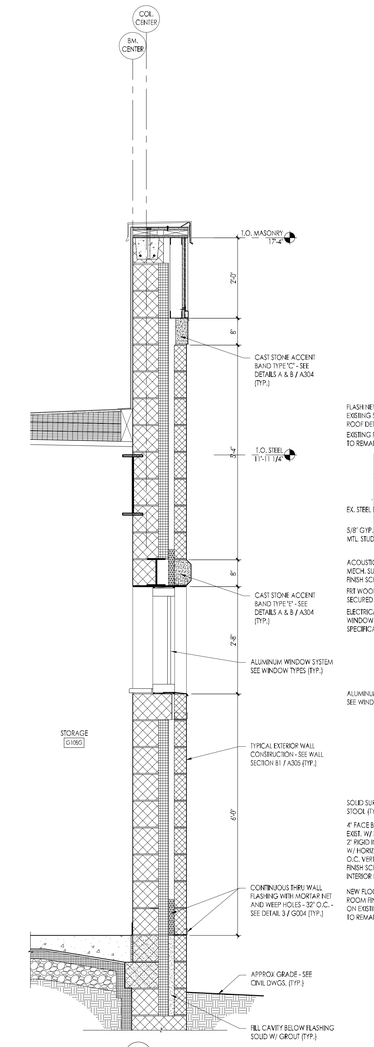
Drawing Number
A305

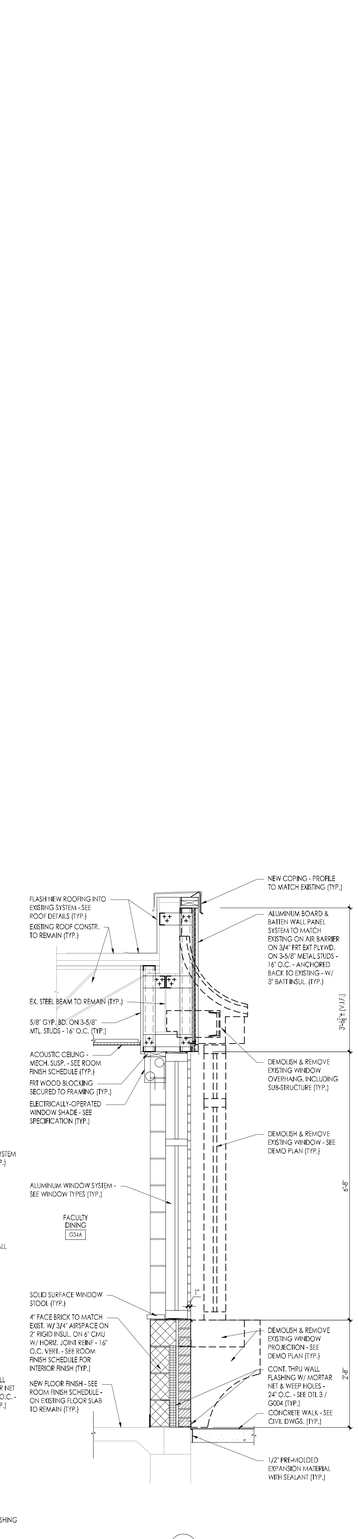












NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706300 | PA - RA012520Y

GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01129100

JASON J. DOBOWITCH, AIA
NJ - 21AI01717000 | PA - RA426080

STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00001000 | PA - RA410454

10/10/25
Date

Architect

FVHD Fitzpatrick Valasquez Hopkins Duthie P.C.

Corporate: 151 S Lower Ferry Road
Trenton - New Jersey 08628

Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453

F V H D P C . C O M

Project Name

Addition and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Lane, Princeton, NJ 08540

Project Number

5516B

Project Date

10.10.2025

Checked By

GRD

Drawn By

NEH

Scale

AS NOTED

Drawing Name

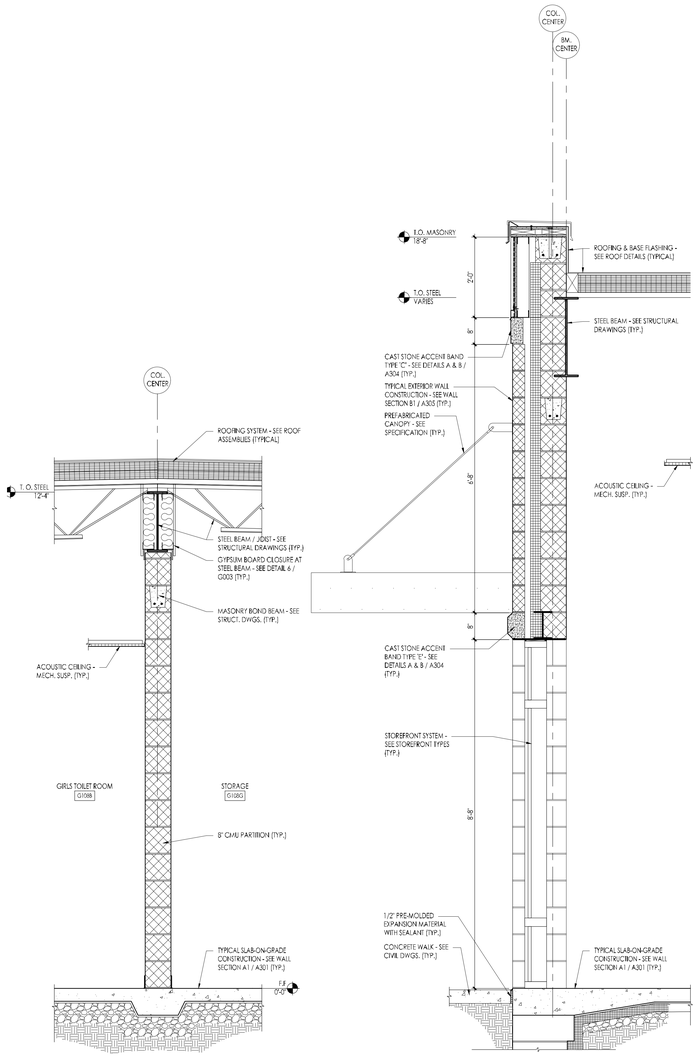
Wall Sections

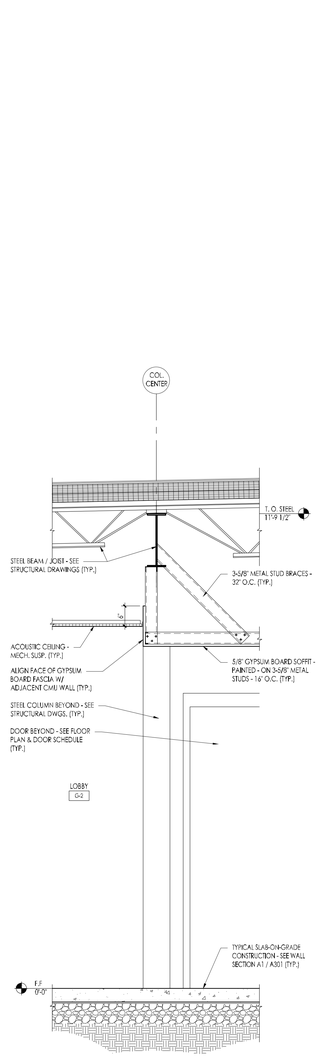
Revisions

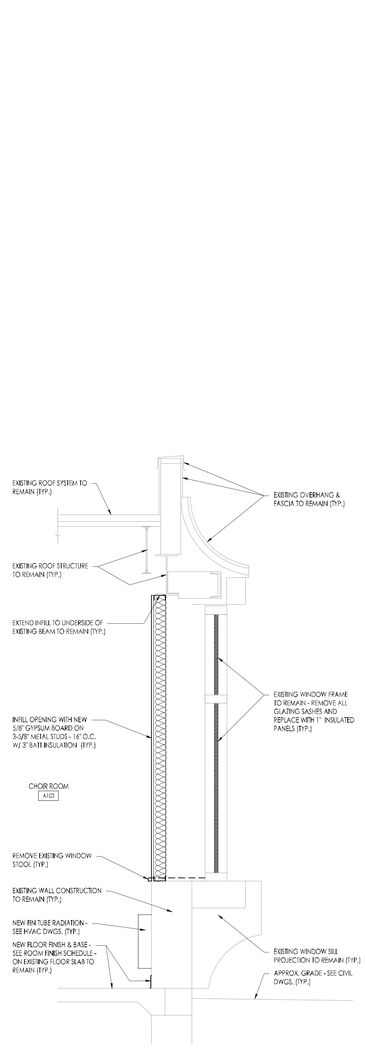
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION

Drawing Number

A306







NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
N.J. - 21A07706001 | PA - RA012501
GEORGE R. DUTHIE JR., AIA, PP
N.J. - 21A01129100
JASON J. LYBOWITCH, AIA
N.J. - 21A07706001 | PA - RA406080
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
N.J. - 21AE00301001 | PA - RA416165
10/10/25
Date
Architect

FVHD Fellows Valasco Hopkins Duthie P.C.
Fraytak Velez Hopkins Duthie P.C.

Corporate: 151 S Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name

Addition and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Lane, Princeton, NJ 08540

Project Number	5516B
Project Date	10.10.2025
Checked By	GRD
Drawn By	NEH
Scale	AS NOTED

Drawing Name

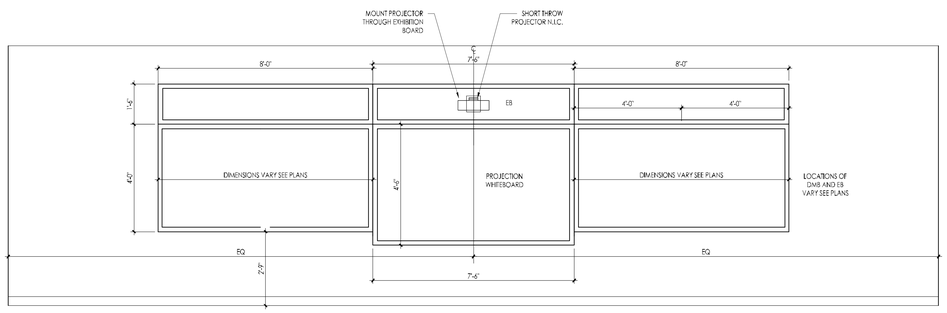
Wall Sections

Revisions

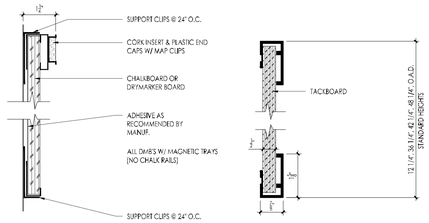
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION

Drawing Number

A307

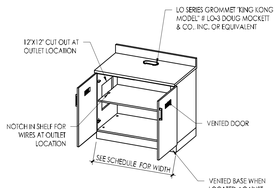


A TYP. TEACHING WALL ELEVATION
1/2" = 1'-0"

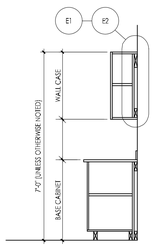


B TYP. MARKERBOARD SECTION DETAIL
6" = 1'-0"

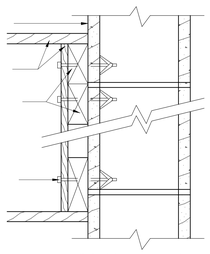
C TYP. EXHIBITION BOARD SECTION DETAIL
6" = 1'-0"



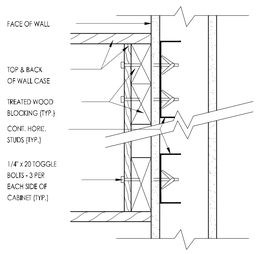
D AV CABINET DETAIL
1/2" = 1'-0"



E Casework Detail
Scale: 1/2" = 1'-0"



E1 Wall Cabinet Mounting Detail - CMU Wall
Scale: 1/2" = 1'-0"



E2 Wall Cabinet Mounting Detail - Stud Wall
Scale: 1/2" = 1'-0"

NOTE:
ALL FURNITURE AND EQUIPMENT WITHOUT THE SYMBOL OR MARKED (N.I.C.) IS NOT IN CONTRACT UNLESS NOTED OTHERWISE. SEE EQUIPMENT SCHEDULE FOR EQUIPMENT MARKED WITH THE SYMBOL

* EQUIPMENT CONTRACT NOTE:
THE EQUIPMENT SUB-CONTRACTOR(S) SHALL BE (A) SUBCONTRACTOR(S) OF THE GENERAL CONSTRUCTION WORK CONTRACTOR.

NOTE:
PROVIDE A MINIMUM 18" BARRIER-FREE MANEUVERING CLEARANCE AT THE PULL SIDE OF ALL DOORS ADJACENT TO CABINETS, SHELVING, CORRIDOR LOCKERS, ETC.

GENERAL ENLARGED FLOOR PLAN NOTES:

1. ALL FURNITURE AND EQUIPMENT NOT TAGGED, NOT SCHEDULED, OR MARKED (N.I.C.) IS NOT IN CONTRACT UNLESS NOTED OTHERWISE. SEE EQUIPMENT SCHEDULES FOR EQUIPMENT MARKED WITH THE SYMBOL.
2. REFER TO A100 SERIES FLOOR PLANS FOR ROOM LOCATION & ROOM NUMBERS.
3. REFER TO A100 SERIES FLOOR PLANS TO DETERMINE WHICH ROOMS ARE OPPOSITE HAND AND/OR SIMILAR TO ROOM SHOWN.
4. PROVIDE A MINIMUM 18" BARRIER-FREE MANEUVERING CLEARANCE AT THE PULL SIDE OF ALL DOORS ADJACENT TO CABINETS, SHELVING, CORRIDOR LOCKERS, ETC.
5. PROVIDE A MINIMUM 12" BARRIER-FREE MANEUVERING CLEARANCE AT THE PUSH SIDE OF ALL DOORS ADJACENT TO CABINETS, SHELVING, CORRIDOR LOCKERS, ETC.
6. ALL FURNITURE AND EQUIPMENT SHOWN DOTTED AND/OR INDICATED AS (N.I.C.) IS NOT IN CONTRACT.
7. THE EQUIPMENT SUB-CONTRACTOR(S) SHALL BE (A) SUBCONTRACTOR(S) OF THE GENERAL CONSTRUCTION WORK CONTRACTOR.

GENERAL CASEWORK NOTES:

1. CATALOG NUMBERS REFER TO MOST CURRENT CAMPBELL RHEA CASEWORK CATALOG AND JUST MANUFACTURING CATALOG UNLESS OTHERWISE NOTED. FOR REFERENCE ONLY.
2. ALL CASEWORK DOORS AND DRAWERS TO HAVE LOCKS KEYED ALIKE PER ROOM AND MASTER KEYED.
3. ALL TOPS SHALL BE 1/2" SOLID SURFACE ON 1/2" PLYWOOD (UNLESS NOTED OTHERWISE). LAMINATE TOPS ARE NOT ACCEPTABLE AND WILL BE REJECTED.
4. ALL BACKSPLASHES SHALL BE 1/2" SOLID SURFACE (UNLESS NOTED OTHERWISE).
5. ALL FURNITURE AND EQUIPMENT SHOWN DOTTED AND/OR INDICATED AS (N.I.C.) IS NOT IN CONTRACT.
6. THE CASEWORK & EQUIPMENT SUB-CONTRACTOR(S) SHALL TURN OVER TO THE PLUMBING AND ELECTRICAL SUB-CONTRACTOR(S) IN A PACKAGE, ALL SINKS, FIXTURES, FAUCETS, TAILPIECES, STRAINERS, ETC., AND ELECTRICAL DEVICES, NIPPLES AND LOCKNUTS, ETC., FOR INSTALLATION AND FINAL CONNECTION.
7. THE CASEWORK AND EQUIPMENT SUB-CONTRACTOR SHALL PROVIDE AN ITEMIZED LIST AND A DESIGNATED SITE LOCATION FOR THE TRANSFER OF THE MATERIALS REFERENCED IN NOTE 6 TO THE PLUMBING AND ELECTRICAL SUB-CONTRACTORS. THE LIST SHALL HAVE A DESCRIPTION OF THE ITEMS AND QUANTITY ALONG WITH A SIGN-OFF LINE FOR THE PLUMBING AND ELECTRICAL SUB-CONTRACTORS. A COPY OF THE SIGNED LIST IS TO BE SUBMITTED TO THE ARCHITECT / OWNER PRIOR TO BILLING FOR THIS EQUIPMENT.
8. EQUIPMENT SUB-CONTRACTOR SHALL MAKE SINK CUT-OUTS.
9. ALL DUPLEX OUTLETS SHALL BE G.F.C.I. UNLESS NOTED OTHERWISE AND SHALL BE TAMPER-RESISTANT.
10. SINK CABINETS SHALL BE INSTALLED BEFORE THE INSTALLATION OF ADJACENT CABINETS.
11. ALL CONTRACTORS TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT IN WRITTEN FORM OF ANY DISCREPANCIES.
12. PROVIDE ALL FILLERS AS REQUIRED. FILLERS AT BASE CABINETS SHALL BE AT FRONT OF CABINET AND COUNTERTOP SHALL BE CONTINUOUS OVER FILLER PANEL. FILLERS AT TALL CABINETS SHALL BE AT FRONT AND TOP OF CABINET. FILLERS AT WALL CASES SHALL BE AT FRONT, TOP AND BOTTOM OF CABINET. FINISH TO MATCH CASEWORK.
13. ALL PRINTERS AND COMPUTERS ARE N.I.C. (TYPICAL)
14. RUBBER BASE ON ALL CASEWORK BY G.C. (TYPICAL)
15. ALL SCHEDULED EQUIPMENT MANUFACTURERS ARE "BASIS OF DESIGN", OR APPROVED EQUAL.
16. SEE DETAILS A/ A400 FOR MOUNTING OF DRYMARKER BOARDS AND EXHIBITION BOARDS.

SINK NOTE 'B': (ITEM #27)

FOR NON-BARRIER-FREE SINKS IN SCIENCE CLASSROOMS & PREP ROOMS

9734D EPOXY RESIN SINK, SINGLE COMPARTMENT, 18" x 15" x 11"H, WITH CORNER DRAIN. FURNISH COMPLETE WITH HOT & COLD WATER MIXING GOOSENECK FAUCET (CAMPBELL-RHEA # 9500) WITH VACUUM BREAKER, AERATOR AND WRIST BLADE LEVER HANDLES (# 9604). POLYPROPYLENE SINK OUTLET (# 9688) POLYPROPYLENE TAILPIECE (# 9976) AND REMOVABLE STRAIGHT HOSE CONNECTER.

SINK, FAUCET, TAILPIECE AND OUTLET TO BE SUPPLIED BY EQUIPMENT SUBCONTRACTOR. THE PLUMBING SUBCONTRACTOR SHALL PROVIDE AND INSTALL ALL TRAPS, VALVES, WASTE LINES, ETC. AS REQUIRED TO MAKE THE SYSTEM FULLY FUNCTIONAL. THE PLUMBING SUBCONTRACTOR SHALL MAKE THE FINAL PLUMBING CONNECTIONS REQUIRED TO MAKE THE SYSTEM FULLY FUNCTIONAL. SEE GENERAL CASEWORK NOTES #6 & #7.

SINK NOTE 'A': (ITEM #11)

FOR B/F SINK IN SCIENCE CLASSROOMS & PREP ROOMS

9709D EPOXY RESIN SINK, CAMPBELL-RHEA OR APPROVED EQUAL, SINGLE COMPARTMENT, 18" x 18" x 5 5/8", WITH CORNER DRAIN. FURNISH COMPLETE WITH HOT & COLD WATER MIXING GOOSENECK FAUCET (CAMPBELL-RHEA # 9500) WITH VACUUM BREAKER, AERATOR AND WRIST BLADE LEVER HANDLES (# 9604). POLYPROPYLENE SINK OUTLET (# 9688) POLYPROPYLENE TAILPIECE (# 9976) AND REMOVABLE STRAIGHT HOSE CONNECTER.

SINK, FAUCET, TAILPIECE AND OUTLET TO BE SUPPLIED BY EQUIPMENT SUBCONTRACTOR. THE PLUMBING SUBCONTRACTOR SHALL PROVIDE AND INSTALL ALL TRAPS, VALVES, WASTE LINES, ETC. AS REQUIRED TO MAKE THE SYSTEM FULLY FUNCTIONAL. THE PLUMBING SUBCONTRACTOR SHALL MAKE THE FINAL PLUMBING CONNECTIONS REQUIRED TO MAKE THE SYSTEM FULLY FUNCTIONAL. SEE GENERAL CASEWORK NOTES #6 & #7.

SINK NOTE 'D': (ITEM #79)

SL-ADA-1921-4-GR STAINLESS STEEL SINK, JUST MANUFACTURING OR APPROVED EQUAL "THE STYLIST GROUP A" SERIES, TYPE 304 WHEELCHAIR ACCESSIBLE SINK, SINGLE COMPARTMENT, 5X3-4BW, 18 GAUGE STAINLESS STEEL, 19" x 21" x 6" DEEP, DRAIN CENTER, SINK UNDERCOATED W/ SOUND DEADENING MATERIAL. FURNISH COMPLETE WITH JUST FAUCET (# JTS-1174-LS) CONCEALED HOT & COLD WATER MIXING FAUCET WITH SWIVEL GOOSENECK SPOUT, AERATOR AND WRIST BLADE HANDLES. INCLUDE ONE JUST OFFSET DRAIN ASSEMBLY (# JA-ADA-35-FS) W/ DRAIN INSULATING KIT (# JA-ADA-150) W/ STAINLESS STEEL FLAT STRAINER & 4" LONG STAINLESS STEEL TAILPIECE (# JA-35-SSF).

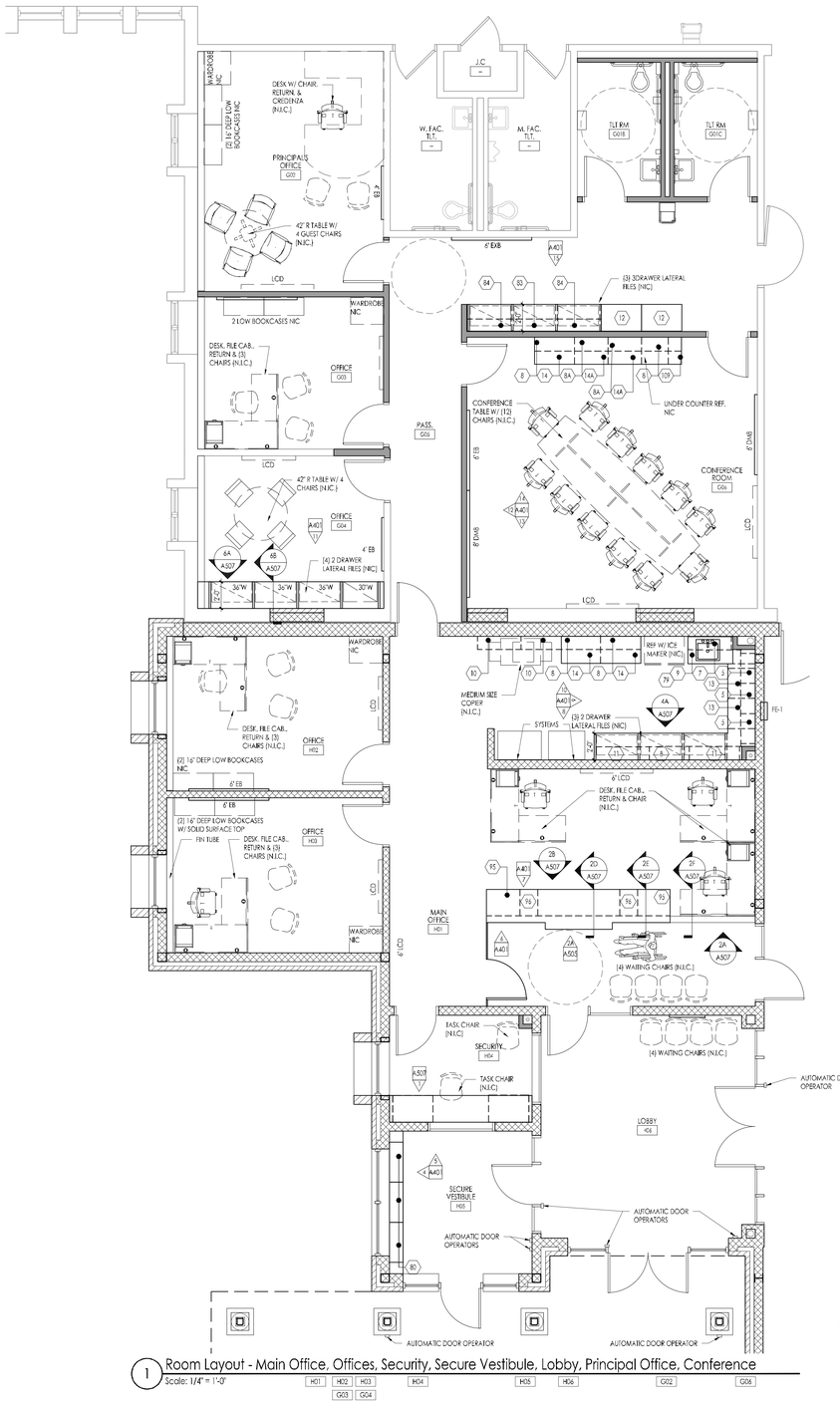
SINK, FAUCET, STRAINER AND TAILPIECE TO BE SUPPLIED BY EQUIPMENT CONTRACTOR. THE PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL ALL TRAPS, VALVES, WASTE LINES, ETC. AS REQUIRED TO MAKE THE SYSTEM FULLY FUNCTIONAL. THE PLUMBING CONTRACTOR SHALL MAKE THE FINAL PLUMBING CONNECTIONS REQUIRED TO MAKE THE SYSTEM FULLY FUNCTIONAL. SEE GENERAL CASEWORK NOTES # 6 & 7.

SCIENCE CASEWORK NOTES:

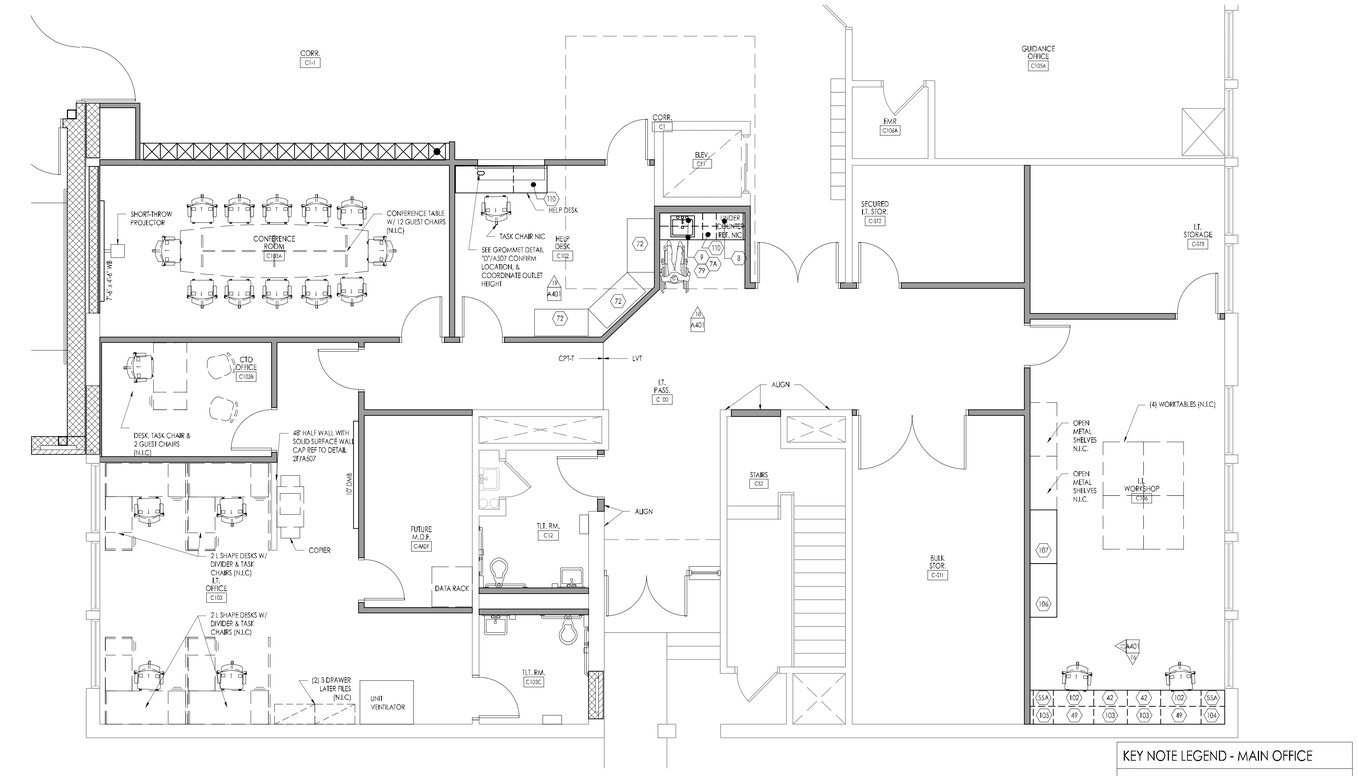
1. ALL SINKS IN THE SCIENCE CLASSROOMS, SCIENCE LABS AND PREP ROOMS ARE EPOXY RESIN WITH EPOXY RESIN TAILPIECE & DISE STRAINER UNLESS NOTED OTHERWISE. THIS EQUIPMENT IS SUPPLIED BY THE CASEWORK & EQUIPMENT SUB-CONTRACTOR. SEE GENERAL CASEWORK NOTES # 6 & 7. THE PLUMBING CONTRACTOR SHALL SUPPLY AND INSTALL ALL TRAPS, VALVES, ETC. AND SHALL MAKE ALL FINAL CONNECTIONS TO ALL WASTE/VENTS, WATER AND GAS LINES AS REQUIRED TO MAKE THE SYSTEM FULLY FUNCTIONAL.
2. IN ALL SCIENCE CLASSROOMS, SCIENCE LABS AND PREP ROOMS, ALL COUNTERTOPS, INSTRUCTOR AND STUDENT LAB STATION TOPS SHALL BE 1" THICK EPOXY RESIN BY THE CASEWORK & EQUIPMENT SUB-CONTRACTOR UNLESS NOTED OTHERWISE. AT ALL COUNTERTOPS WITH SINKS, USE A BLACK CAULK JOINT AT TOP OF SINK AND COUNTERTOP. ALL BY THE CASEWORK & EQUIPMENT SUB-CONTRACTOR. PROVIDE OVERHANG AS REQUIRED BY MANUFACTURER.

CASEWORK SCHEDULE

ITEM NO.	MANUFACTURER	CAT. NO.	DESCRIPTION	WIDTH	DEPTH	HEIGHT	REMARKS
1	CAMPBELL RHEA	6954-A	TEACHER WARDROBE CABINET	42"	22 1/2"	84"	DBL DOOR, L-1 FIXED SHELF, 3 ADJUSTABLE SHELVES, 8-1 HANGER ROD, 1 FIXED SHELF
2	CAMPBELL RHEA	3690	TALL STORAGE	42"	22 1/2"	84"	DBL DOOR, 1 FIXED SHELF, 4 ADJUSTABLE SHELVES
2A	CAMPBELL RHEA	3690*	TALL STORAGE	42"	22-1/2"	84"	DBL DOOR, 1 FIXED SHELF, 4 ADJUSTABLE SHELVES
3	CAMPBELL RHEA	3688	TALL STORAGE	35-1/4"	22 1/2"	84"	DBL DOOR, 1 FIXED SHELF, 4 ADJUSTABLE SHELVES
4	CAMPBELL RHEA	3516	TALL STORAGE	27"	22 1/2"	84"	SINGLE DOOR, 1 FIXED SHELF, 4 ADJUSTABLE SHELVES
5	TMI	W2052-27-30-12	UPPER CABINET	27"	12"	30"	DBL DOOR, 1 ADJ. SHELF
6	TMI	W2001-12-30-12	UPPER CABINET	12"	12"	30"	DBL DOOR, 1 ADJ. SHELF
7	TMI	W2012-39-18-12	UPPER CABINET	39"	12"	18"	DBL DOOR
7A	TMI	W2002 -36-18-12	UPPER CABINET	36"	12"	18"	DBL DOOR
8	TMI	W2052-36-30-12	UPPER CABINET	36"	12"	30"	DBL DOOR, 1 ADJUSTABLE SHELF
8A	TMI	W2052-30-30-12	UPPER CABINET	30"	12"	30"	DBL DOOR, 1 ADJUSTABLE SHELF
9	TMI	B2545-36-22-24	ADA SINK BASE CABINET	36"	24"	22-1/2"	ADA SINK BASE CABINET
10	TMI	W1000-36-16-12	OPEN FACE UPPER CABINET	36"	12"	16"	OPEN FRONT. MODIFIED DEPTH AND HEIGHT
11	TMI	W2062-45-30-12	UPPER CABINET	45"	12"	30"	DBL DOOR, 2 ADJUSTABLE SHELVES, 1 VERTICAL DIVIDER
12	TMI	T2052-36-84-24	TALL STORAGE LAMINATE	36"	24"	84"	DBL DOOR, 1 FIXED SHELF, 4 ADJUSTABLE SHELVES
13	TMI	D1122-27-34-24	BASE CABINET	27"	24"	34"	DBL DOOR, 1 ADJ SHELF, 1 6" HIGH FULL WIDTH DRAWER
14	TMI	D112-36-34-24	BASE CABINET	36"	24"	34"	DBL DOOR, 1 ADJ SHELF, 1 6" HIGH FULL WIDTH DRAWER
14A	TMI	D112-30-34-24	BASE CABINET	30"	24"	34"	DBL DOOR, 1 ADJ SHELF, 1 6" HIGH FULL WIDTH DRAWER
15	CAMPBELL RHEA	6774A	SAFETY CENTER	35-1/4"	22-1/2"	84"	BARRIER-FREE EYE WASH FOUNTAIN, EMERGENCY SHOWER HEAD W/ PULL CHAIN, FIRE BLANKET, FIRE EXTINGUISHER AND FIRST AID KIT.
16	CAMPBELL RHEA	4706	UPPER CABINET	35-1/4"	16"	23-3/4"	DBL DOOR, 1 ADJ SHELVES
17	CAMPBELL RHEA	4412	UPPER CABINET	15-5/16"	16"	23-3/4"	SINGLE DOOR 1 ADJ SHELF, DOOR HINGED RIGHT
18	CAMPBELL RHEA	4492	UPPER CABINET	15-5/16"	16"	23-3/4"	SINGLE DOOR 1 ADJ SHELF, DOOR HINGED LEFT
19	CAMPBELL RHEA	4494	UPPER CABINET	18"	16"	23-3/4"	SINGLE DOOR 1 ADJ SHELF, HINGED LEFT
20	CAMPBELL RHEA	4684	UPPER CABINET	41-1/4"	16"	16-3/16"	DOUBLE DOOR, 1 ADJ SHELF
21	CAMPBELL RHEA	2334	BASE CABINET	18"	22-1/2"	35"	DOOR HINGED RIGHT
21A	CAMPBELL RHEA	2334A	BASE CABINET	18"	22-1/2"		DOOR HINGED LEFT
22	CAMPBELL RHEA	1650	BASE CABINET	35-1/4"	22-1/2"	35"	DOUBLE DOOR BASE CABINET W/ 1 ADJ SHELF AND ONE DRAWER
23	CAMPBELL RHEA	1262	BASE CABINET	15-1/16"	22-1/2"	35"	4 DRAWERS
24	CAMPBELL RHEA	1212	BASE CABINET	15-1/16"	22-1/2"	35"	BASE CABINET SINGLE DOOR
25	CAMPBELL RHEA	4414	UPPER CABINET	18"	16"	23-3/4"	SINGLE DOOR 1 ADJ SHELF, HINGED RIGHT
26	CAMPBELL RHEA	*1214	BASE CABINET	18"	22-1/2"	35"	SINGLE DOOR 1 ADJ SHELF HINGED LEFT
27	CAMPBELL RHEA	9734D	DROP IN EPOXY RESIN SINK	18"	15"	11"	SEE SINK NOTE B
28	CAMPBELL RHEA	9404	90 DEGREE DOUBLE GAS COCK				
29	CAMPBELL RHEA	1218	BASE CABINET	24"	22-1/2"	35"	SINGLE DOOR 1 ADJ SHELF, DOOR HINGED RIGHT
30	CAMPBELL RHEA	4418	UPPER CABINET	24"	16"	23-3/4"	SINGLE DOOR, 1 ADJ SHELF, DOOR HINGED RIGHT
31	CAMPBELL RHEA	8760	ADA CLOSURE PANEL	44"	22-1/2"	33"	
31A	CAMPBELL RHEA	8760	ADA CLOSURE PANEL	36	22-1/2"	33"	
31B	CAMPBELL RHEA	8760	ADA CLOSURE PANEL	42"	22-1/2"	33"	
31C	CAMPBELL RHEA	8760	ADA CLOSURE PANEL	48"	22-1/2"	33"	
33	CAMPBELL RHEA	6660	PHENOLIC PEGBOARDS	22-1/2"	1"	20"	INCLUDE 6679-A DRIP THROUGH
34	CAMPBELL RHEA	2566	BASE CABINET	30"	22-1/2	35"	SINK BASE CABINET
35	CAMPBELL RHEA	1266	BASE CABINET	18"	22-1/2"	35"	4 DRAWERS
36	CAMPBELL RHEA	3755D	BASE CABINET	36"	22-1/2"	32-1/2"	DOUBLE DOORS, 1 ADJ SHELF
37	CAMPBELL RHEA	3605	BASE CABINET	18"	22-1/2"	32-1/2"	SINGLE DOOR HINGED RIGHT
38	CAMPBELL RHEA	4680	UPPER CABINET	30"	16"	16-3/16"	DOUBLE DOOR 1 ADJ. SHELF
38A	CAMPBELL RHEA	4668	UPPER CABINET	30"	12"	16-3/16"	DOUBLE DOOR 1 ADJ. SHELF
39	CAMPBELL RHEA	7104*	TEACHER DEMO STATION	48"	30"	34"	MODIFIED HEIGHT*, 18" W BASE CABINET W/ 3 DRAWERS, 24" W KNEE SPACE AND FILL HEIGHT MODESTY PANEL
40	CAMPBELL RHEA	6779*	FLAMMABLE STORAGE CABINET	33"	22"	36"	UNDER COUNTER, MODIFIED HEIGHT
41	CAMPBELL RHEA	8614*	ACID STORAGE	30"	18-1/2"	32-1/4"	UNDER COUNTER MODIFIED HEIGHT
42	CAMPBELL RHEA	3685C	BASE CABINET	30"	22-1/2"	33"	1 DRAWER, DOUBLE DOORS, 1 ADJ. SHELF
43	CAMPBELL RHEA	6955A	TEACHER WARDROBE	35-1/4"	22-1/2"	84"	DBL DOOR, L-1 FIXED SHELF, 3 ADJUSTABLE SHELVES, 8-1 HANGER ROD, 1 FIXED SHELF
44	CAMPBELL RHEA	6942B	MICROSCOPE CABINET	35-1/4"	22-1/2"	84"	DOUBLE DOORS, 4 FIXED SHELVES HOLDS 20 MICROSCOPES
45	CAMPBELL RHEA	2506	BASE CABINET	18"	22-1/2"	29"	BOX, FILE DRAWERS
46	CAMPBELL RHEA	7076B	KNEE SPACE COMPONENT	44"	22"	29"	LEGS LEFT
46A	CAMPBELL RHEA	7076B	KNEE SPACE COMPONENT	44"	22"	29"	LEGS RIGHT
47	CAMPBELL RHEA	4694	WALL CABINET	35-1/4"	12"	23-3/4"	DOUBLE DOOR 1 ADJ SHELF
48	CAMPBELL RHEA	4692	WALL CABINET	30"	12"	23-3/4"	DOUBLE DOOR, 1 ADJ. SHELF
49	CAMPBELL RHEA	4670	WALL CABINET	35-1/4"	12"	16-3/16"	DOUBLE DOOR 1 ADJ.SHELF
50	WATERSAVER	EW806	EYE WASH	-	-	-	COUNTER MOUNTED
51	CAMPBELL RHEA	9709D	BARRIER-FREE DROP IN EPOXY RESIN SINK.	18"	15"	6"	SEE SINK NOTE A
52	CAMPBELL RHEA	F-100-48GS-ADA	BARRIER-FREE FUME HOOD	48"	93-1/4"	33-1/4"	SEE DETAIL 12/A403
53	CAMPBELL RHEA	2642	AV CABINET	30"	22-1/2"	29"	SEE DETAIL D/A400
54	CAMPBELL RHEA	4718	WALL CABINET	35-1/4"	12"	31-1/4"	DOUBLE DOOR, 2 ADJ. SHELVES
55	CAMPBELL RHEA	3617	BASE CABINET	21"	22-1/2"	32-1/2"	3 DRAWERS
55A	CAMPBELL RHEA	3616	BASE CABINET	18"	22-1/2"	32-1/2"	3 DRAWERS
56	CAMPBELL RHEA	4712	WALL CABINET	24"	12"	31-1/4"	DOUBLE DOOR, 2 ADJ. SHELVES
57	CAMPBELL RHEA	3685E	BASE CABINET	41-1/4"	22-1/2"	32-1/2"	1 DRAWER, DOUBLE DOOR, 1 ADJ. SHELF
58	CAMPBELL RHEA	3688C	BASE CABINET	30"	22-1/2"	32-1/2"	1 DRAWER, DOUBLE DOOR, 1 ADJ. SHELF
59	CAMPBELL RHEA	4920	WALL CABINET	41-1/4"	12"	31-1/4"	DOUBLE DOOR, 2 ADJ. SHELVES
60	CAMPBELL RHEA	7736	BOOKCASE	35-1/4"	16"	29"	VENT AT BASE
60A	CAMPBELL RHEA	7726	BOOKCASE	35-1/4"	16"	29"	
61	CAMPBELL RHEA	7738	BOOKCASE	41-1/4"	16"	29"	VENT AT BASE
62	CAMPBELL RHEA	5622B	BASE CABINET	15-5/16"	22-1/2"	32-1/2"	1 DRAWER, SINGLE DOOR, 1 ADJ. SHELF
63	CAMPBELL RHEA	6784	GOGGLE CABINET	24-1/2"	9-1/2"D	32"	INCLUDES 40 "6789" CHEMICAL SPLASH GOGGLES, BUILT-IN GERMICIDAL LAMP AND AUTOMATIC 5 MINUTE TIMER
64	CAMPBELL RHEA	7100*	INSTRUCTOR'S DESK	60"	34"	30"	18" W BASE CAB W/ 1 FILE DRAWER, 2 STORAGE DRAWERS, ONE PULL OUT WRITING SLIDE W/ 21" KNEE SPACE
65	CAMPBELL RHEA	5686	TALL STORAGE	30"	22-1/2"	84"	DBL DOOR, 1 FIXED SHELF, 4 ADJUSTABLE SHELVES
66	CAMPBELL RHEA	5724	TALL STORAGE	35-1/4"	22-1/2"	84"	DBL DOOR, 1 FIXED SHELF, 4 ADJUSTABLE SHELVES
67	CAMPBELL RHEA	5895	TOTE TRAY CASE	35-1/4"	22-1/2"	84"	36 "B344" TOTE TRAYS INCLUDED
68	CAMPBELL RHEA	4690	WALL CABINET	27"	23-3/4"	12"	DOUBLE DOOR 1 ADJ. SHELF
69	CAMPBELL RHEA	6985B	BASE CABINET	27"	22-1/2"	32-1/2"	DOUBLE DOOR 1 ADJ. SHELF
70	CAMPBELL RHEA	1548	BASE CABINET	30"	22-1/2"	35"	DOUBLE DOOR, 1 ADJ SHELF, 1 DRAWER
71	CAMPBELL RHEA	6982*	PLAIN FRAME WITH LEGS	48"	34"	35"	MODIFIED DEPTH, SEE DETAIL 10/A403
71A	CAMPBELL RHEA	7076C*	BF PLAIN FRAME WITH LEGS	48"	28"	35"	MODIFIED DEPTH, SEE DETAIL 10/A403, BF FRAME ON BOTH SIDES
72	ICI SCIENTIFIC	J348-48	PAINTED STEEL, OPEN SHELVES	48"	24"	84"	5 ADJ. SHELVES
73	CAMPBELL RHEA	4884*	WALL CABINET	38"	16"	16-3/16"	MODIFIED WIDTH, DOUBLE DOOR 1 ADJ. SHELF
74	CAMPBELL RHEA	2466	AV BASE CABINET	35-1/4"	24"	29	SEE DETAIL D/A400
75	CAMPBELL RHEA	2646	AV BASE CABINET	41-1/2"	24"	29"	SEE DETAIL D/A400
76	ICI SCIENTIFIC	J334-36	PAINTED STEEL OPEN SHELVES	36"	24"	84"	5 ADJ. SHELVES
77	CAMPBELL RHEA	B760	ADA CLOSURE PANEL	48"	24"	33"	
79	JUST	SL-ADA-1921-A-GR	STAINLESS STEEL DROP-IN SINK	31"	21"	5-1/2" BOWL DEPTH	SEE SINK NOTE 'D'
80	CAMPBELL RHEA	7730*	BOOKCASE	35-1/4"	12"	29"	1 ADJ. SHELF, MODIFIED HEIGHT
81	TMI	D3300-36-30-24	BASE CABINET	36"	24"	30"	3 EQUAL DRAWERS ON RIGHT. 1 SINGLE DOOR ON LEFT W/ 1 ADJ SHELF
82	TMI	B2804-36-34	BASE CABINET	34"	24"	34"	
83	TMI	W2062-48-24-12	WALL CABINET	48"	14"	24"	DOUBLE DOOR, VERTICAL DIVIDER AND 2 ADJ. SHELVES
84	TMI	W0262-36-24-12	WALL CABINET	36"	12"	24"	DOUBLE DOOR, VERTICAL DIVIDER AND 2 ADJ. SHELVES
85	TMI	B2360-36-34-36	BASE CABINET	36"	36"	34"	CORNER CABINET W/ SQUEAR FACE, RIGHT HINGED DOOR AND 2 REVOLVING POLYMER SHELVES
86	CAMPBELL RHEA	3753C	BASE CABINET	18"	22-1/2"	32-1/2"	SINGLE DOOR BASE CABINET HINGED RIGHT
87	CAMPBELL RHEA	3753C	BASE CABINET	18"	22-1/2"	32-1/2"	SINGLE DOOR BASE CABINET HINGED LEFT
88	CAMPBELL RHEA	4672	WALL CABINET	41-1/2"	12"	16-3/16"	DOUBLE DOOR ONE ADJ SHELF
89	CAMPBELL RHEA	3614	BASE CABINET	12-3/8"	22-1/2"	32-1/2"	3 DRAWERS
90	CAMPBELL RHEA	4500	BASE CABINET	12-3/8"	12"	31-1/4"	DOOR HINGED LEFT 2 ADJ. SHELVES
91	CAMPBELL RHEA	4674	WALL CABINET	47-1/4"	12"	16-3/16"	DOUBLE DOOR ONE ADJ SHELF
92	CAMPBELL RHEA	4644	WALL CABINET	30"	12"	12"	DOUBLE DOOR, CUT OUT IN BACK FOR HOOD PLUG
93	CAMPBELL RHEA	3604	BASE CABINET	15-5/16"	22-1/2"	32-1/2"	SINGLE DOOR HINGED RIGHT
94	TMI	D3866-30-30-24	BASE CABINET	30"	24"	30"	(2) EQUAL DRAWERS & (1) LATERAL FILE
95	TMI	D3862-16-30-24	BASE CABINET	16"	24"	30"	(2) EQUAL DRAWERS & (1) LATERAL FILE
96	TMI	D1133-48-34-24	BASE CABINET	48"	24"	34"	DOUBLE DOOR BASE CABINET ONE VERTICAL DIVIDER, 2 ADJ SHELVES. 2'-6" H DRAWERS
97	TMI	W1224-36-12-12	WALL CABINET	36"	12"	12"	DOUBLE DOOR, CUT OUT IN BACK FOR HOOD PLUG
98	CAMPBELL RHEA	4426	WALL CABINET	21"	12"	31-1/4"	WALL CABINET HINGED RIGHT, 2ADJ. SHELVES
99	CAMPBELL RHEA	4508	WALL CABINET	24"	12"	31-1/4"	WALL CABINET HINGED RIGHT, 2ADJ. SHELVES
100	STERILGIL (OR APPROVED EQUAL)	KIT.ENC48.453	VENDING MERCHANDISING KIOSK	48"	24.75"	41"	MOBILE KIOSK FOR PACKAGED GOODS AND FLATWARE/PLASTICWARE AND NAPKINS. 48"W X 24.75"D X 41.0"H. E1 SYSTEM COUNTER. MOBILE. INCLUDING (2) E1 8530E PC DROP IN SILVERWARE BASKET, (2) E1 2NS.1WH DUAL NAPKIN DISPENSER INSERTS, (1) MERCH48 GRIDWALL BACK, POSTS, AND (4) BASKETS, COUNTER INCLUDES: ENCLOSED BASE, HINGED & LOCKING DOOR. BACK & SIDE PANELS. CORNER BUMPERS. INTEGRATED HANDLES. (4) LOCKING CASTERS, STAINLESS STEEL. MADE IN USA.
101	CAMPBELL RHEA	3685D	BASE CABINET	35-1/4"	22-1/2"	32-1/2"	1 DRAWER, DOUBLE DOORS, 1 ADJ. SHELF
102	CAMPBELL RHEA	6974	PLAIN RAIL	36"	4-7/8"		
103	CAMPBELL RHEA	4716	WALL CABINET	30"	12"	31-1/4"	DOUBLE DOOR, 2 ADJ. SHELVES
104	CAMPBELL RHEA	4504	WALL CABINET	18"	12"	31-1/4"	SINGLE DOOR, 2 ADJ. SHELVES HINGED LEFT
105	CAMPBELL RHEA	4424	WALL CABINET	18"	12"	31-1/4"	SINGLE DOOR, 2 ADJ. SHELVES HINGED RIGHT
106	CAMPBELL RHEA	5899	TALL TOTE TRAY STORAGE	47-1/4"	22-1/2"	84"	INCLUDE (36) 6346 TOTE TRAYS
107	CAMPBELL RHEA	5792	TALL STORAGE	47-1/4"	22-1/2"	84"	DBL DOOR, 1 FIXED SHELF, 4 ADJUSTABLE SHELVES
108	CAMPBELL RHEA	3646	BASE CABINET	24"	22-1/2"	35"	2 BOX DRAWERS AND 1 FILE DRAWER
109	TMI	D3001-12-34-24	BASE CABINET	12"	24"	34"	3 DRAWER BASE CABINET
109A	TMI	D3001-12-30-24	BASE CABINET	27"	24"	30"	3 DRAWER BASE CABINET
110	CAMPBELL RHEA	3614	BASE CABINET	12-3/8"	22-1/2"	32-1/2"	3 DRAWER BASE CABINET
111	LASCONCO	4010SHI0000	STEAMSCRUBBER GLASSWARE WASHERS	24"



1 Room Layout - Main Office, Offices, Security, Secure Vestibule, Lobby, Principal Office, Conference
Scale: 1/4" = 1'-0"

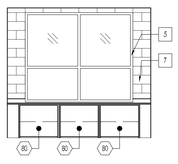


2 Room Layout - I.T. Passage, Help Desk, I.T. Office, Conference, CTO Office, I.T. Workshop (Alternate Bid MS-4)
Scale: 1/4" = 1'-0"

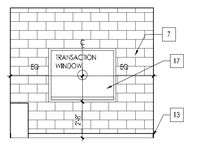
C100 C102 C103 C103A C103B C106

KEY NOTE LEGEND - MAIN OFFICE

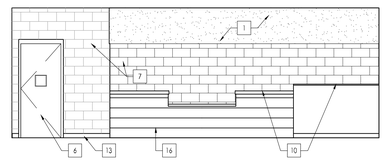
1	GYP BOARD PAINTED
2	BRICK RUNNING BOND, MATCH EXISTING
3	NOT USED
4	EXIST CMU BLOCK WALL, PAINTED. REF A700 SERIES FOR FINISHES
5	ALUMINUM WINDOW SYSTEM. REF A600 SERIES DWGS
6	WOOD DOOR AND HOLLOW METAL FRAME. REF DOOR SCHEDULE
7	EXPOSED CMU PAINTED. RUNNING BOND. REF STRUCTURE FOR VERTICAL AND HORIZONTAL REINFORCEMENT
8	CLOCK/SPEAKER BOX. REF ELECT. DWGS FOR DETAILS
9	SECURITY TV/MONITOR, N.I.C., CONTRACTOR TO PROVIDE BLOCKING FOR MOUNTING BRACKET
10	SOLID SURFACE COUNTERTOP
11	FURNITURE/ EQUIPMENT NOT IN CONTRACT, FOR REFERENCE ONLY
12	DRY MARKERBOARD/EXHIBITION BOARD. REF C&D/A400 FOR TYP CONDITION
13	4" RUBBER BASE. REF ROOM FINISH SCHEDULE
14	SHORT THROW PROJECTOR
15	MANUAL ROLLER SHADES REF SPECIFICATIONS
16	MAIN OFFICE CHECK IN DESK. REFER TO DWG A507
17	SECURITY TRANSACTION WINDOWS REFER TO A600 SERIES DWG FOR DETAILS.



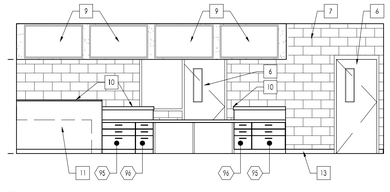
4 Security H04 Elevation
1/4" = 1'-0"



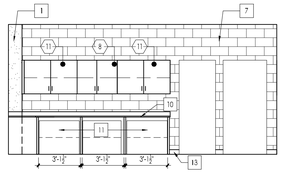
5 Security H04 Elevation
1/4" = 1'-0"



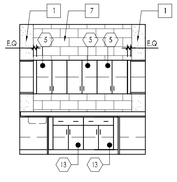
6 Main Office H01 Elevation
1/4" = 1'-0"



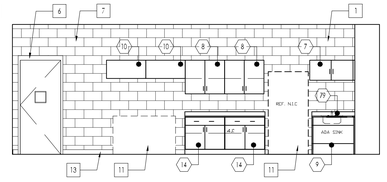
7 Main Office H01 Elevation
1/4" = 1'-0"



8 Main Office H01 Elevation
1/4" = 1'-0"



9 Main Office H01 Elevation
1/4" = 1'-0"



10 Main Office H01 Elevation
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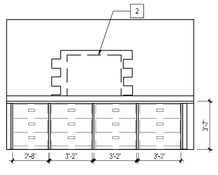

11 Office G04 Elevation
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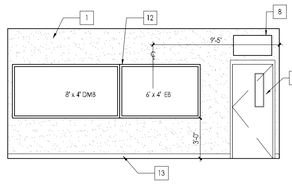
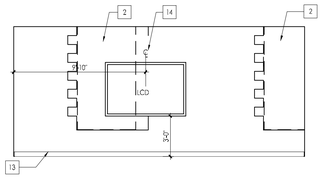
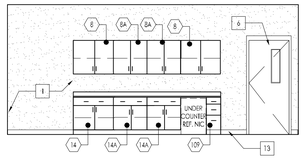


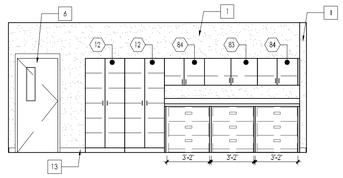
12 Conference Room G06 Elevation
1/4" = 1'-0"



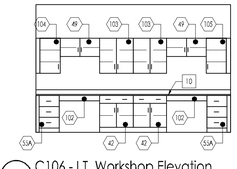
13 Conference Room G06 Elevation
1/4" = 1'-0"



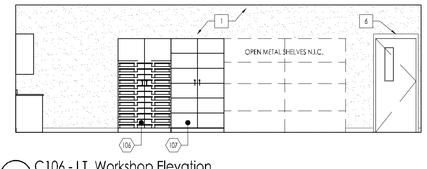
14 Conference Room G06 Elevation
1/4" = 1'-0"



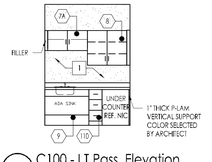
15 Main Office Corridor Elevation
1/4" = 1'-0"



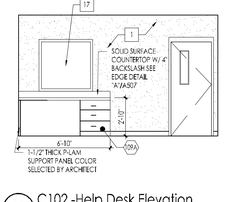
16 C106 - I.T. Workshop Elevation
1/4" = 1'-0" Alternate Bid MS-4



17 C106 - I.T. Workshop Elevation
1/4" = 1'-0" Alternate Bid MS-4



18 C100 - I.T Pass. Elevation
1/4" = 1'-0" Alternate Bid MS-4



19 C102 -Help Desk Elevation
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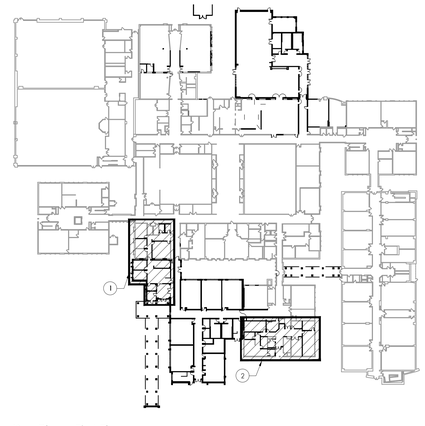


Key Plan - First Floor
Scale: 1/64" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
N.J. - 21A07706001 | PA - RA012520Y
GEORGE R. DUTHIE JR., AIA, PP
N.J. - 21AI00129700
JASON J. ZYROWSKI, AIA
N.J. - 21AI00130100 | PA - RA406189
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
N.J. - 21AI00051000 | PA - RA410455
Architect
10/10/25
Date
FVHD Fitzpatrick Velez Hopkins Duthie P.C.
Corporate: 15 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
KAM

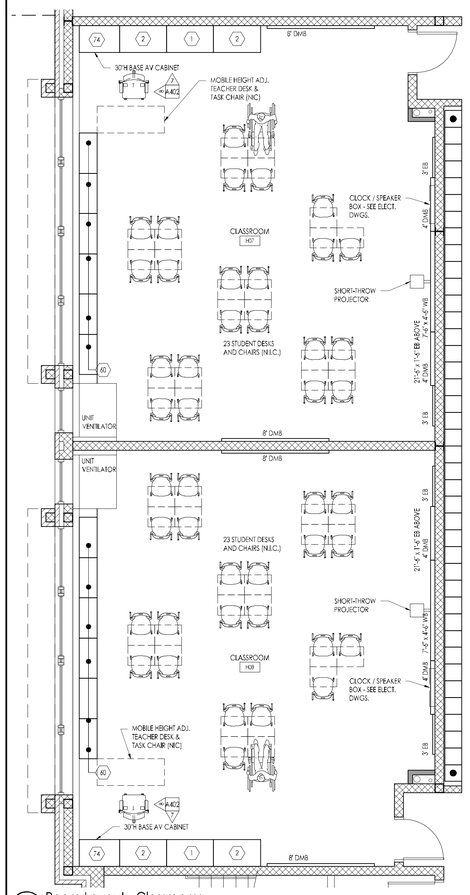
Scale
AS NOTED

Drawing Name
Enlarged Plans & Interior Elevations - Administration Offices and I.T. Offices

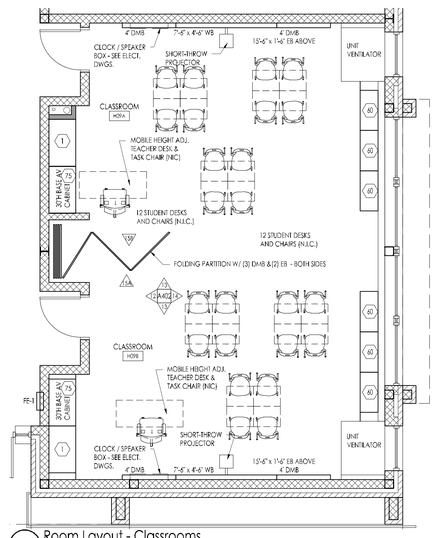
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	NJ DCA RESPONSES

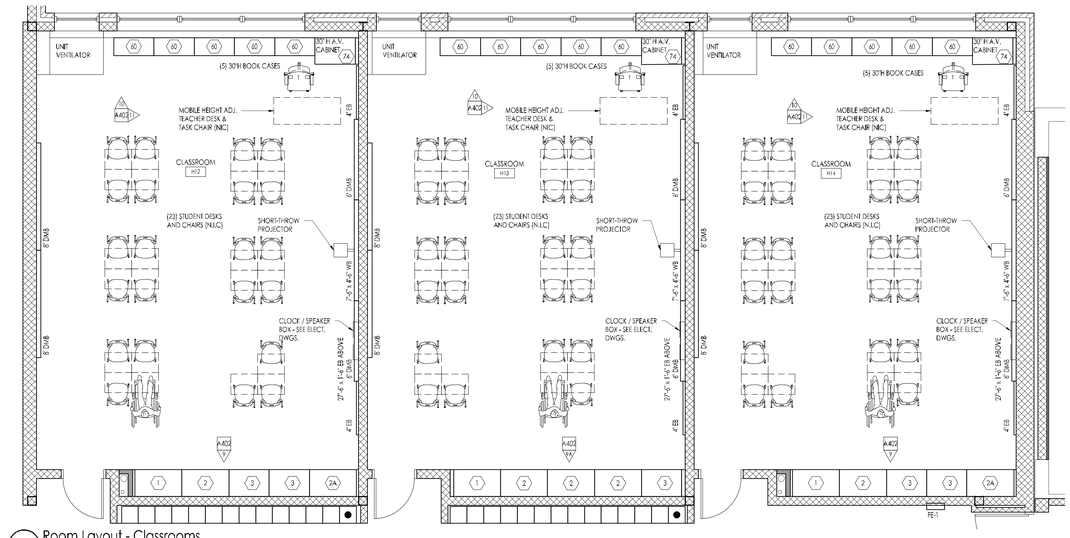
Drawing Number
A401



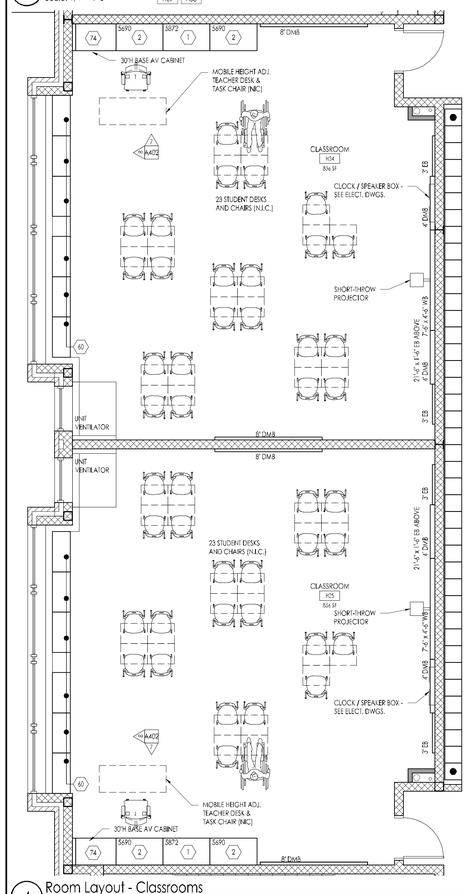
1 Room Layout - Classrooms
Scale: 1/4" = 1'-0" H07 H08



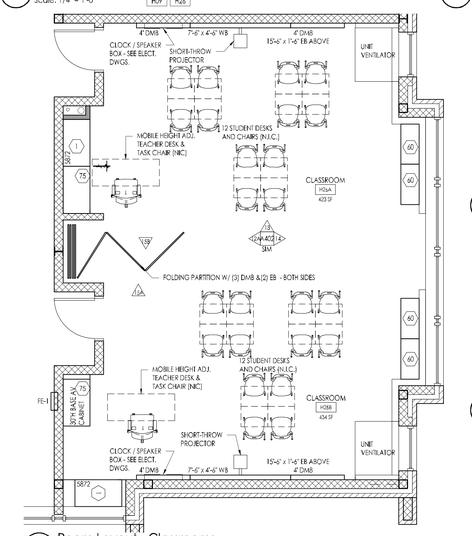
2 Room Layout - Classrooms
Scale: 1/4" = 1'-0" H09 H26



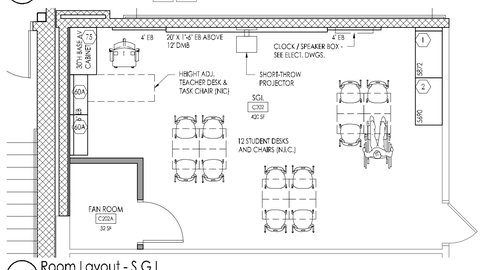
3 Room Layout - Classrooms
Scale: 1/4" = 1'-0" H12 H13 H14



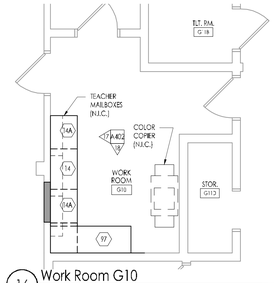
4 Room Layout - Classrooms
Scale: 1/4" = 1'-0" H24 H25



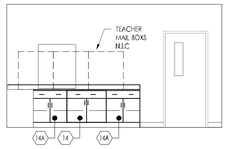
5 Room Layout - Classrooms
Scale: 1/4" = 1'-0" H09 H26



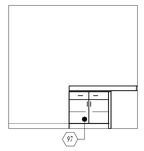
6 Room Layout - S.G.I.
Scale: 1/4" = 1'-0" C202



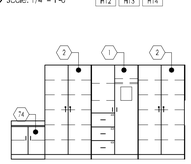
16 Work Room G10
1/4" = 1'-0"



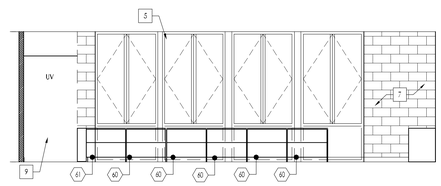
17 Work Room G10 Elevation
1/4" = 1'-0"



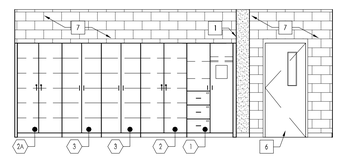
18 Work Room G10 Elevation
1/4" = 1'-0"



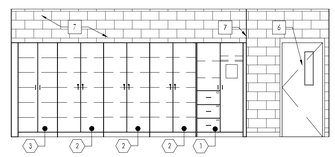
7 Typical Casework Elevation
1/4" = 1'-0"



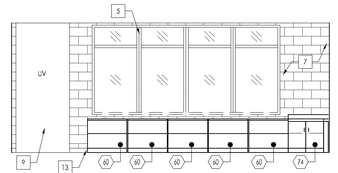
8 Typical Classroom Casework Elevation
1/4" = 1'-0"



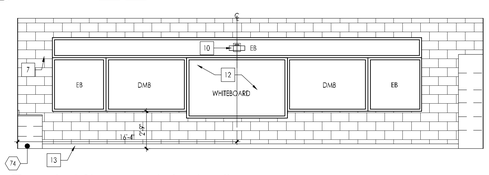
9 Classroom Interior Elevation
1/4" = 1'-0" H12 H14 OP. HAND



9A Classroom Interior Elevation
1/4" = 1'-0" H13

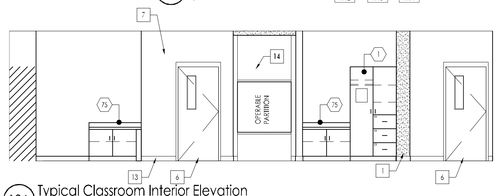


10 Typical Classroom Interior Elevation
1/4" = 1'-0" H12 H13 H14

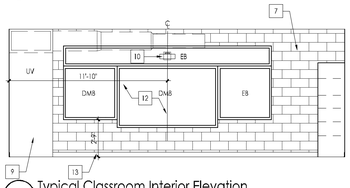


11 Typical Classroom Interior Elevation
1/4" = 1'-0" H12 H13 H14

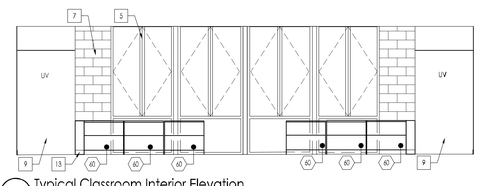
12 Typical Classroom Interior Elevation
1/4" = 1'-0" H09A H26B



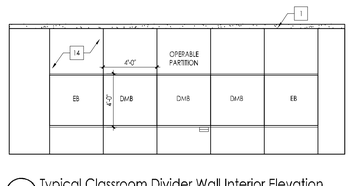
12A Typical Classroom Interior Elevation
1/4" = 1'-0" H26A H26B



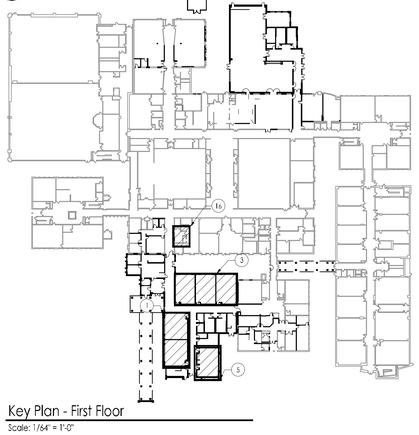
13 Typical Classroom Interior Elevation
1/4" = 1'-0" H09 H26



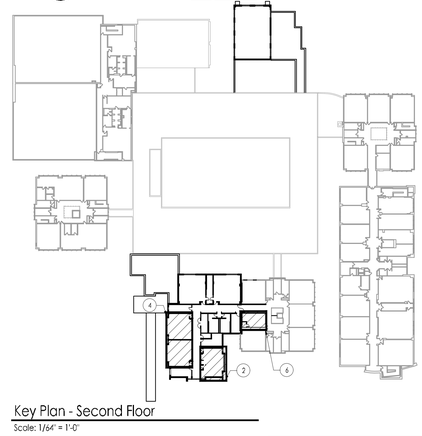
14 Typical Classroom Interior Elevation
1/4" = 1'-0" H09 H26



5A-B Typical Classroom Divider Wall Interior Elevation
1/4" = 1'-0" H09 H26A H26B



Key Plan - First Floor
Scale: 1/64" = 1'-0"



Key Plan - Second Floor
Scale: 1/64" = 1'-0"

KEY NOTE LEGEND

1	GYP BOARD PAINTED
2	NOT USED
3	NOT USED
4	EXIST CMU BLOCK WALL, PAINTED. REFER TO ROOM FINISH SCHEDULE
5	ALUMINUM WINDOW SYSTEM, REF A600 SERIES DRAWINGS
6	WOOD DOOR AND HOLLOW METAL FRAME, REF DOOR SCHEDULE
7	EXPOSED CMU PAINTED, RUNNING BOND
8	CLOCK/SPEAKER BOX, REF ELECT. DRAWINGS FOR DETAILS
9	VERTICAL UNIT VENTILATOR REFER TO MECHANICAL DRAWINGS FOR DETAILS
10	SHORT THROW PROJECTOR
11	FURNITURE/ EQUIPMENT NOT IN CONTRACT, FOR REFERENCE ONLY
12	TEACHING WALL. REF 1/A400 FOR TYP CONDITION
13	4" RUBBER BASE, REF ROOM FINISH SCHEDULE FOR DETAILS
14	OPERABLE PARTITION, REF SPECS

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A01706001 | PA - RA012520Y
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21A01129100
JASON T. DEMOWITCH, AIA
NJ - 21AI01760100 | PA - RA406989
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00001001 | PA - RA410455
William D. Hopkins 10/10/25
Architect
FVHD Fellows Vaiaraki Hopkins Duthie PC
Corporate: 15 15 Lower Ferry Road Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

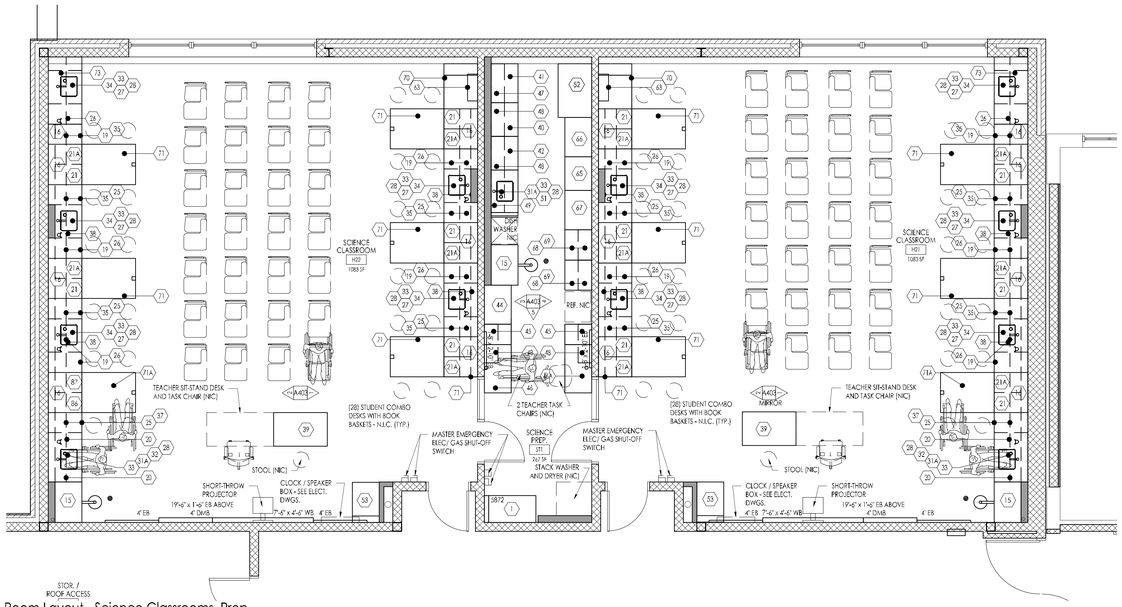
Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number	5516B
Project Date	10.10.2025
Checked By	GRD
Drawn By	KAM
Scale	AS NOTED

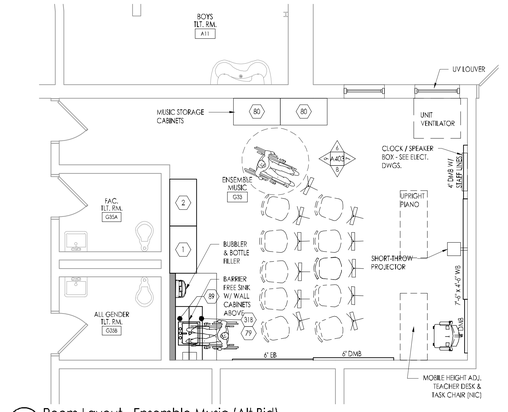
Drawing Name
Enlarged Plans & Interior Elevations - Classrooms, SGI & Work Room G10

Revisions		
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

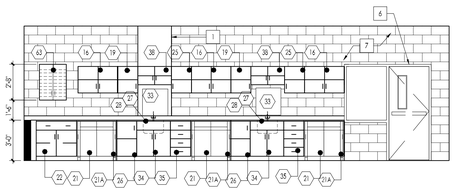
Drawing Number
A402



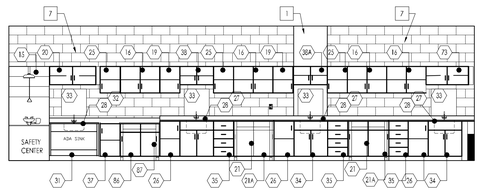
A Room Layout - Science Classrooms, Prep
Scale: 1/4" = 1'-0"



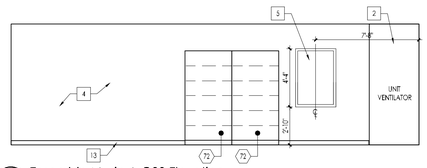
B Room Layout - Ensemble Music (Alt.Bid)
Scale: 1/4" = 1'-0"



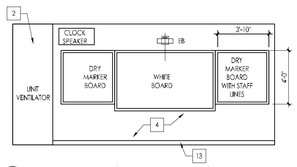
1 Science Classroom Interior Elevation
1/4" = 1'-0"



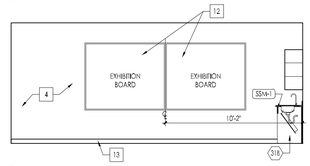
2 Science Classroom Interior Elevation
1/4" = 1'-0"



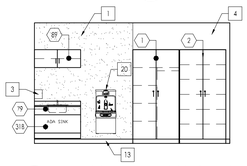
6 Ensemble Music A G33 Elevation
1/4" = 1'-0"



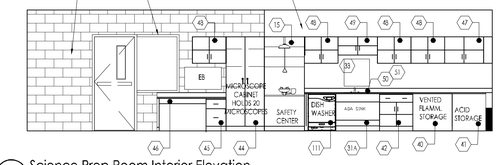
7 Ensemble Music A G33 Elevation
1/4" = 1'-0"



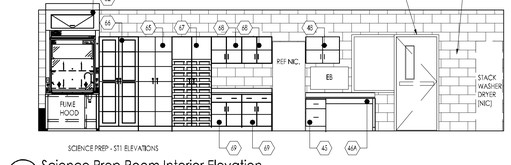
8 Ensemble Music A G33 Elevation
1/4" = 1'-0"



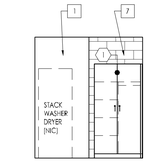
9 Ensemble Music A G33 Elevation
1/4" = 1'-0"



3 Science Prep Room Interior Elevation
Scale: 1/4" = 1'-0"



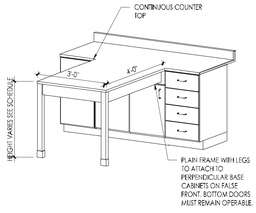
4 Science Prep Room Interior Elevation
Scale: 1/4" = 1'-0"



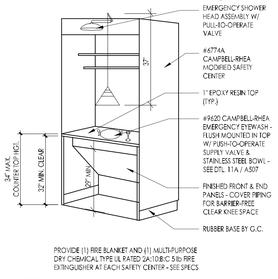
5 Science Prep Room Interior Elevation
1/4" = 1'-0"

KEY NOTE LEGEND

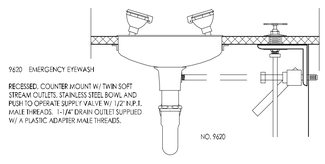
1	GYP BOARD PAINTED
2	UNIT VENTILATOR
3	SOAP/PAPER TOWEL DISPENSER, REF 4/A400 FOR TYP CONDITION
4	EXIST CMU BLOCK WALL, PAINTED, REFER TO ROOM FINISH SCHEDULE
5	ALUMINUM WINDOW SYSTEM, REF A600 SERIES DRAWINGS
6	WOOD DOOR AND HOLLOW METAL FRAME, REF DOOR SCHEDULE
7	EXPOSED CMU PAINTED, RUNNING BOND
8	CLOCK/SPEAKER BOX, REF ELECT. DRAWINGS FOR DETAILS
9	VERTICAL UNIT VENTILATOR REFER TO MECHANICAL DRAWINGS FOR DETAILS
10	SHORT THROW PROJECTOR
11	FURNITURE/ EQUIPMENT NOT IN CONTRACT, FOR REFERENCE ONLY
12	TEACHING WALL, REF 1/A400 FOR TYP CONDITION
13	4" RUBBER BASE, REF ROOM FINISH SCHEDULE FOR DETAILS
14	OPERABLE PARTITION, REF SPECS



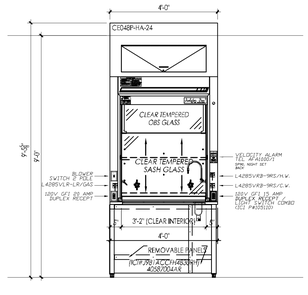
10 Student Work Station Detail
Scale: 1/2" = 1'-0"



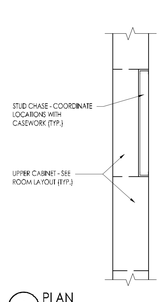
11 Sattey Canter Detail
Scale: N.T.S



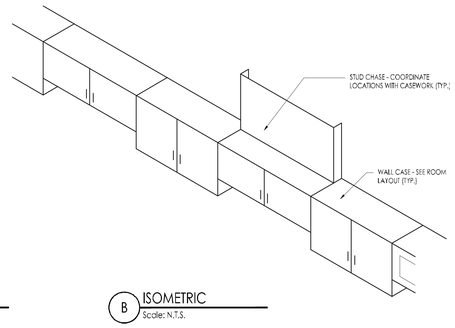
11A Eye Wash Detail
Scale: N.T.S



12 Fume Hood Detail
Scale: 1/2"=1'-0"

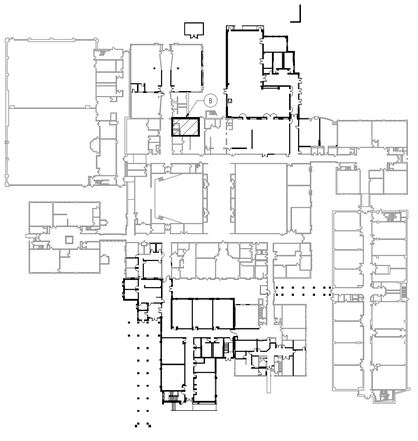


A PLAN
Scale: 1/2" = 1'-0"

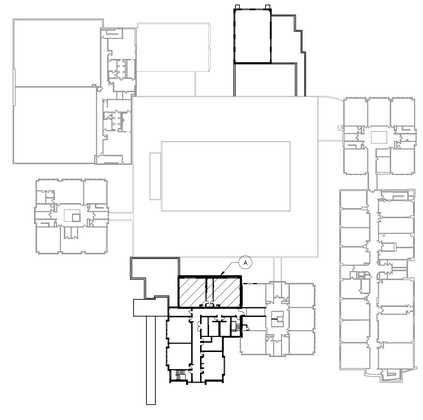


B ISOMETRIC
Scale: N.T.S.

16 STUDENT LAB STATION DETAILS - UPPER CABINETS
Scale: AS NOTED



Key Plan - First Floor
Scale: 1/64" = 1'-0"



Key Plan - Second Floor
Scale: 1/64" = 1'-0"

NJDCA Electronic Release Stamp

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NJ - 21AI00129700
JASON J. ZIEMBICKI, AIA
NJ - 21AI00130100 | PA - RA406289
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00000100 | PA - RA410455
10/10/25
Date
Architect
FVHD Fellows Vlessis Hopkins Duthie PC
Corporate: 1515 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
KAM

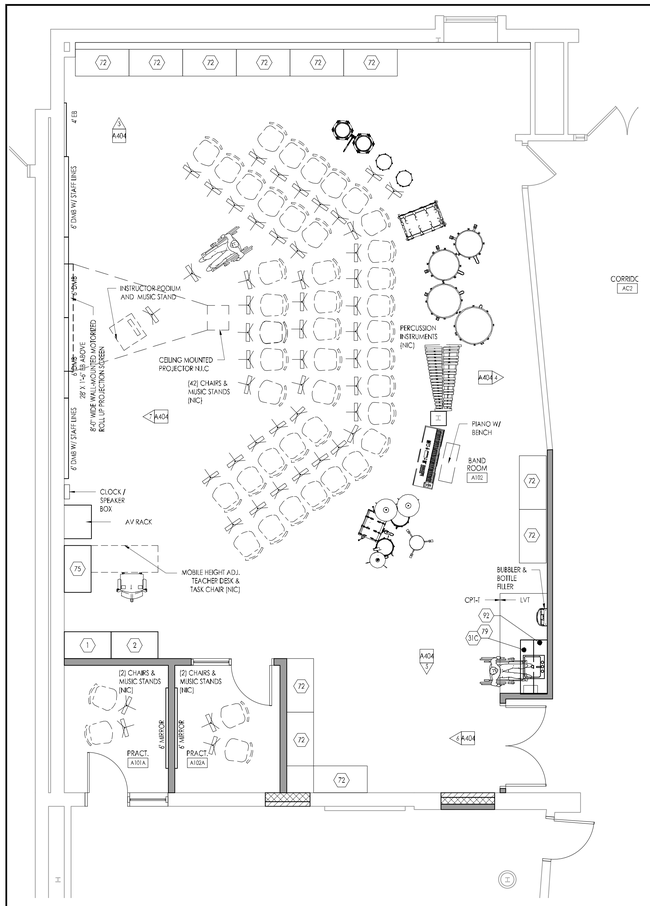
Scale
AS NOTED

Drawing Name
Enlarged Plans & Interior Elevations - Science Classrooms and Ensemble Room

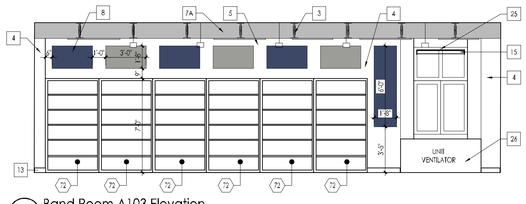
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

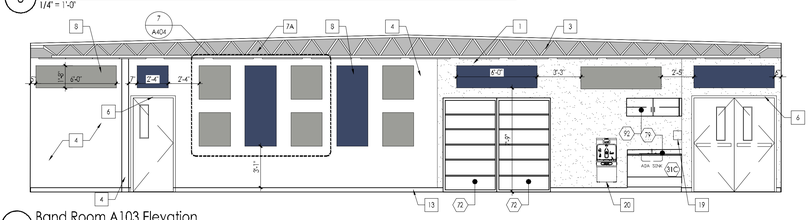
Drawing Number
A403



1 Room Layout - Band Room, Practice Room
Scale: 1/4" = 1'-0"



3 Band Room A103 Elevation
1/4" = 1'-0"



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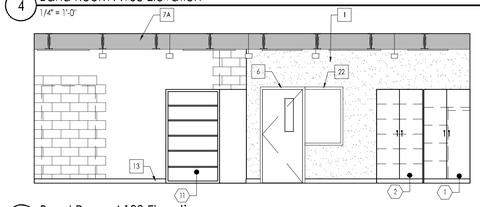
1/4" = 1'-0"



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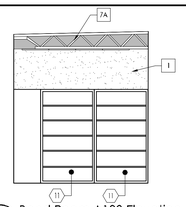
1/4" = 1'-0"



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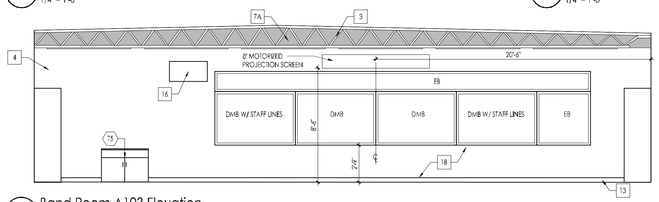
1/4" = 1'-0"



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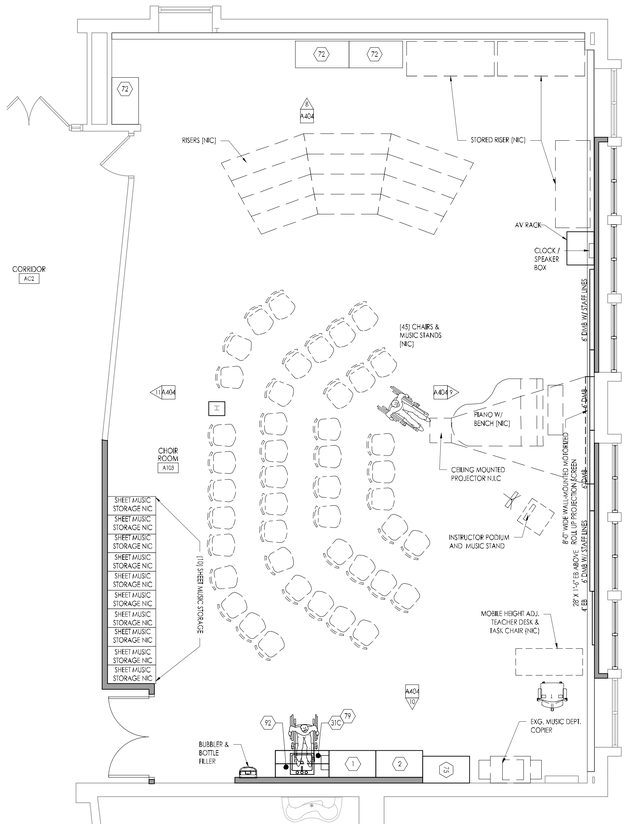
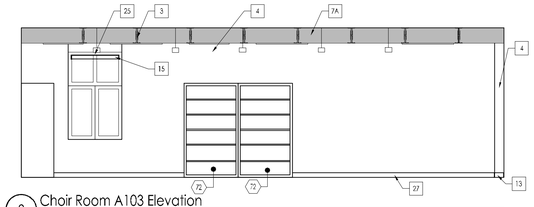
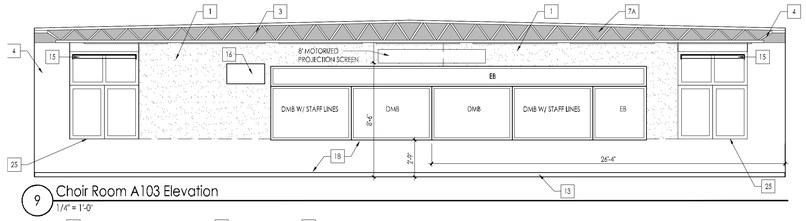
1/4" = 1'-0"



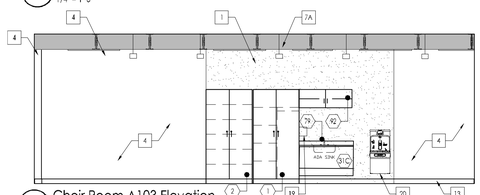
2 Room Layout - Choir Room
Scale: 1/4" = 1'-0"



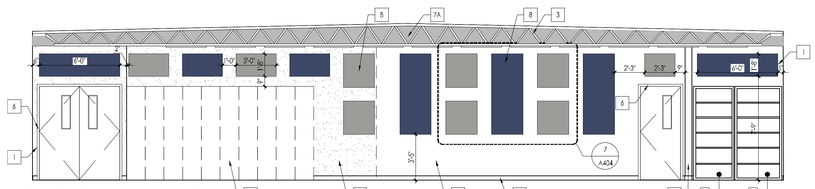
8 Choir Room A103 Elevation
1/4" = 1'-0"



9 Choir Room A103 Elevation
1/4" = 1'-0"



10 Choir Room A103 Elevation
1/4" = 1'-0"

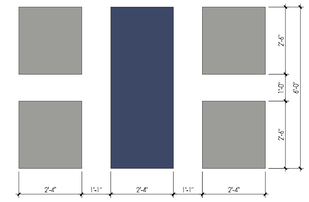


11 Choir Room A103 Elevation
1/4" = 1'-0"

FABRIC WRAPPED ACOUSTICAL WALL PANELS
COLOR LEGEND :

COLOR -1 SEE ELEVATIONS FOR PANEL DIMENSIONS

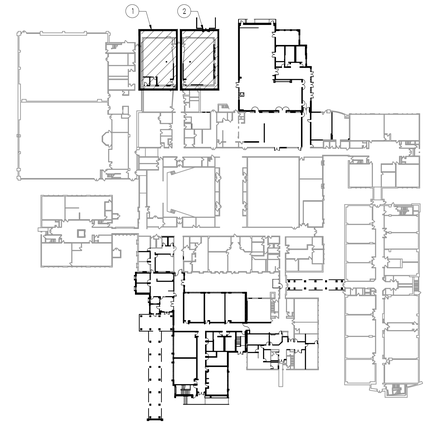
COLOR -2 SEE ELEVATIONS FOR PANEL DIMENSIONS



12 Acoustic Wall Panels Detail
1/2" = 1'-0"

KEY NOTE LEGEND - MUSIC

1	GYP BOARD PAINTED, REF A700 FOR FINISHES	14	NOT USED
2	EXPOSED STEEL COLUMN PAINTED	15	MANUAL BLACKOUT ROLLING SHADES, REF SPECS
3	STEEL LONG SPAN JOIST PAINTED, REF STRUCTURE	16	CLOCK/SPEAKER BOX, REF ELECT. DWGS FOR DETAILS
4	EXIST WALL, PAINTED, REF A700 SERIES FOR FINISHES	17	SHORT THROW PROJECTOR, BY OWNER
5	EXIST BRICK WALL, REF A700 SERIES FOR FINISHES	18	TEACHING WALL, REF 1/A400 FOR TYP CONDITION
6	HOLLOW METAL DOOR AND FRAME, REF DOOR SCHEDULE	19	SOAP/PAPER TOWEL DISPENSER, REF 4/A400 FOR TYP CONDITION
7	EXPOSED CMU PAINTED, RUNNING BOND	20	ADA COMPLIANT DRINKING FOUNTAIN, REF PLUMBING DRAWINGS
7A	PAINTED BLACK AT BOTTOM OF STEEL AND ABOVE, REF FINISH SCHEDULE FOR COLOR	21	EXISTING CHORAL RISERS, FOR REFERENCE ONLY
8	ACOUSTICAL SOUND PANELS	22	ALUMINUM WINDOW SYSTEM, REF A600 SERIES DRAWINGS
8A	NOT USED	23	PLASTIC LAMINATE CABINET, SEE CASEWORK SCHEDULE, TURTLE TANK PROVIDED BY OWNER
9	NOT USED	24	DRY MARKERBOARD/EXHIBITION BOARD , REF 4/A400 FOR TYP CONDITION
10	DECORATIVE CEILING SYSTEM, REF REFLECTED CEILING PLANS FOR DETAILS	25	EXISTING ALUMINUM WIDOW FRAME TO REMAIN
11	CEILING PANELS NOTE 2, REF A106-A108 FOR REFLECTED CEILING PLAN	26	UNIT VENTILATOR
12	LED LINEAR PENDANT/LIGHT FIXTURE, REF A106-A108 FOR REFLECTED CEILING PLAN	27	FURNITURE/EQUIPMENT NOT IN CONTRACT, FOR REFERENCE ONLY
13	4" RUBBER BASE		



Key Plan - First Floor
Scale: 1/64" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI07706000 | PA - RA012501
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI04129700
JASON J. ZIOMKOWITCH, AIA
NJ - 21AI04717600 | PA - RA406080
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00051000 | PA - RA414565
10/10/25
Date
Architect
FVHD Fellows Vasiliou Hopkins Duthie PC
Fraytak Velez Hopkins Duthie PC
Corporate: 1515 Lower Ferry Road Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
KM, ES, KH

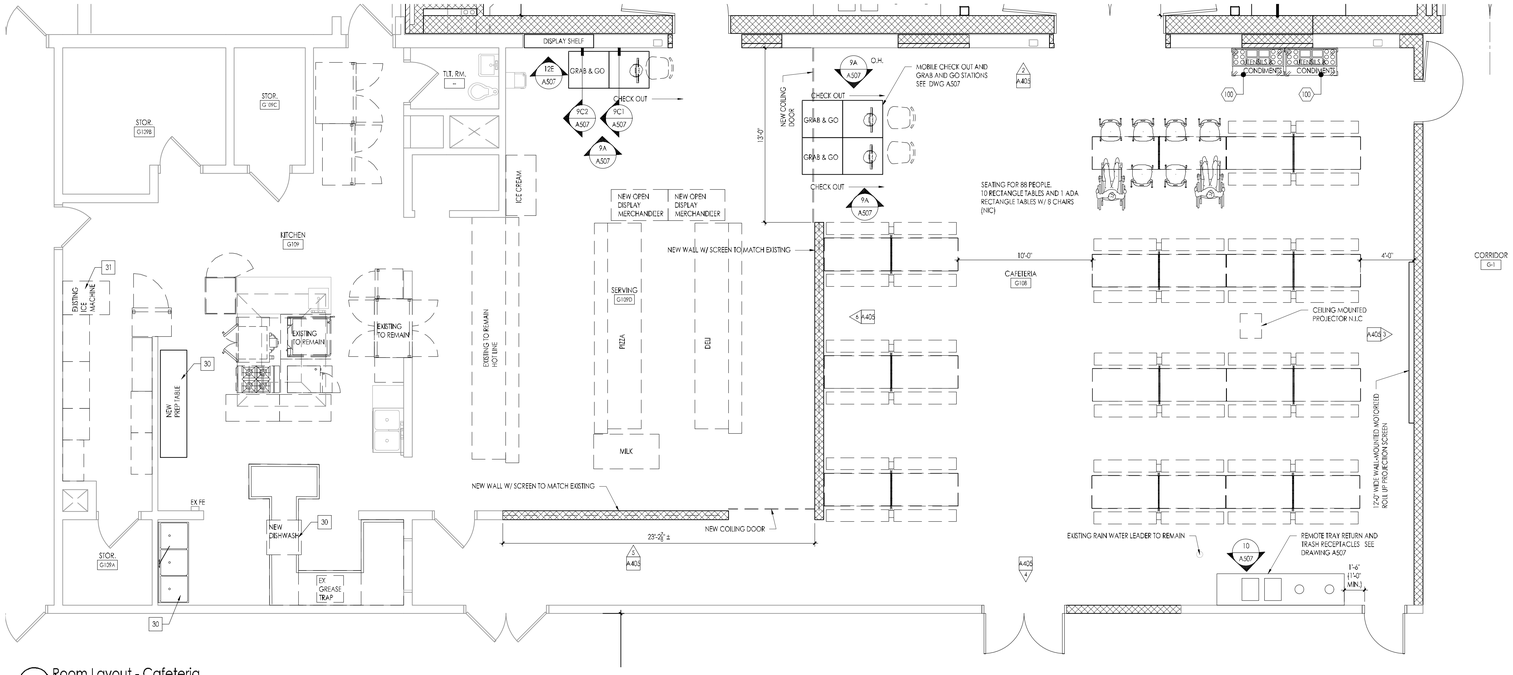
Scale
AS NOTED

Drawing Name
Enlarged Plans & Interior Elevations - Music Department

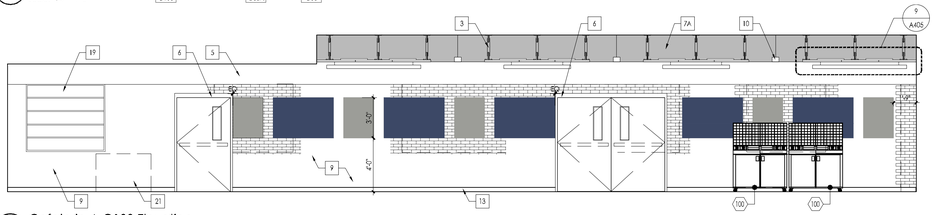
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

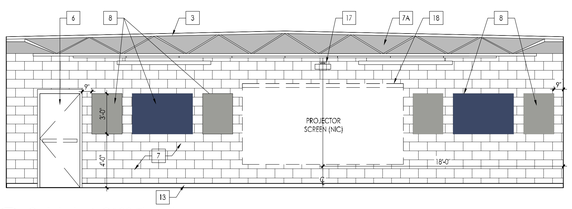
Drawing Number
A404



1 Room Layout - Cafeteria
Scale: 1/4" = 1'-0"



2 Cafeteria A G108 Elevation
1/4" = 1'-0"



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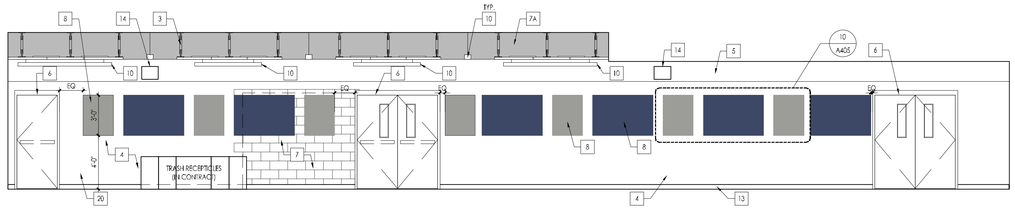
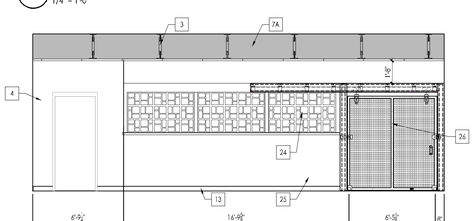
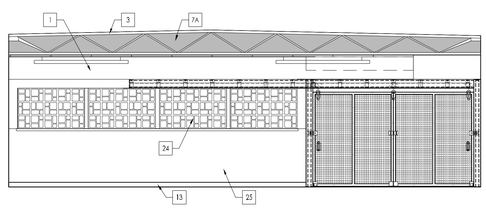
1/4" = 1'-0"



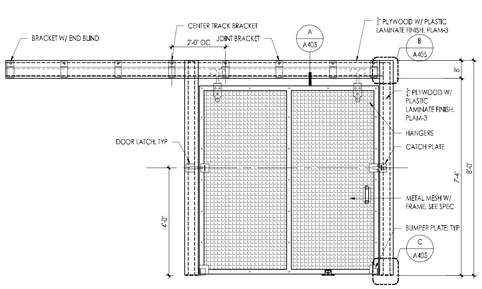
4 Cafeteria A G108 Elevation
1/4" = 1'-0"



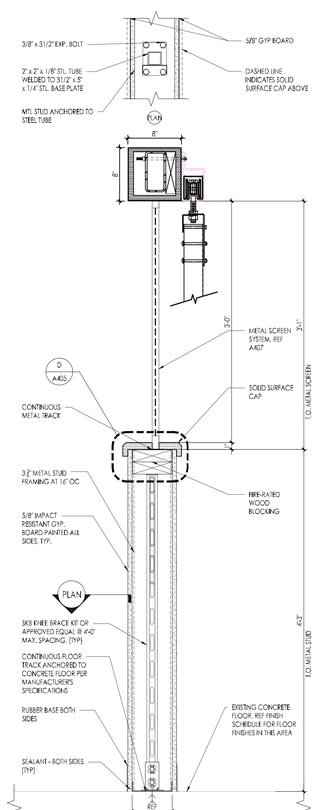
5 Cafeteria A G108 Elevation
1/4" = 1'-0"



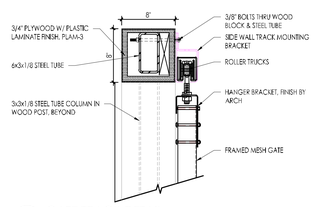
6 Cafeteria A G108 Elevation
1/4" = 1'-0"



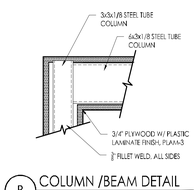
7 SERVING LINE GATE DETAIL
1/2"=1'-0"



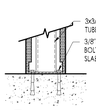
8 KNEE WALL AND BRACING
3/4" = 1'-0"



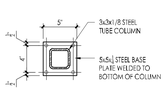
A GATE TRACK DETAIL
3/4"=1'-0"



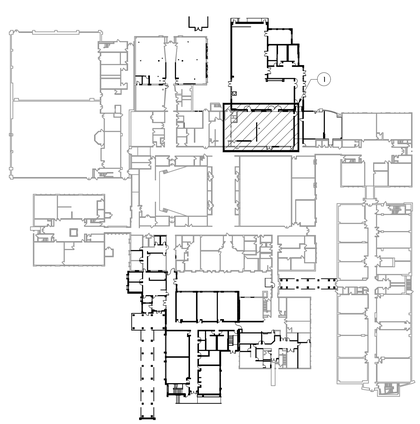
B COLUMN /BEAM DETAIL
1 1/2"=1'-0"



C BASE PLATE DETAIL
1 1/2"=1'-0"



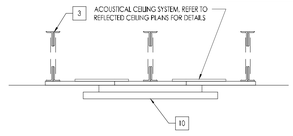
D BASE PLATE DETAIL
1 1/2"=1'-0"



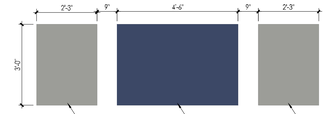
Key Plan - First Floor
Scale: 1/64" = 1'-0"

KEY NOTE LEGEND - CAFETERIA

1	GYPSUM BOARD PAINTED, REF A700 FOR FINISHES	18	ROLL-DOWN PROJECTOR SCREEN, BY OWNER
2	EXPOSED STEEL COLUMN PAINTED	19	INFILL EXISTING OPENING WITH CUSTOM MILLWORK DISPLAY SHELF
3	STEEL LONG SPAN JOIST PAINTED, REF STRUCTURE	20	EXISTING ADA COMPLIANT DRINKING FOUNTAIN, REF PLAN DRAWINGS
4	EXISTING WALL TO REMAIN, PAINTED, REFER TO ROOM FINISH SCHEDULE	21	CHECKOUT COUNTER, N.I.C., BY OWNER
5	EXISTING GYPSUM BOARD SOFFIT TO REMAIN. PROVIDE NEW PAINT REF ROOM FINISH SCHEDULE.	22	NOT USED
6	WOOD DOOR IN HOLLOW METAL FRAME, REF DOOR SCHEDULE	23	NOT USED
7	EXPOSED CMU PAINTED, RUNNING BOND	24	DECORATIVE PRIVACY SCREEN
7A	PAINTED BLACK AT BOTTOM OF STEEL AND ABOVE, REF FINISH SCHEDULE FOR COLOR	25	FRP, REF FINISH SCHEDULE
8	ACOUSTICAL SOUND PANELS	26	SLIDING MESH GATE, REF 7/A405 FOR DETAILS
9	EXIST BRICK VENEER TO REMAIN	27	FURNITURE/EQUIPMENT NOT IN CONTRACT, FOR REFERENCE ONLY
10	LED PENDANT LIGHT FIXTURE, REFER TO REFLECTED CEILING PLANS FOR DETAILS	28	EXISTING WALL MURAL
11	NEW WALL CONSTRUCTION, MATCH EXISTING	29	EXISTING WALL TILE
12	SUSPENDED DECORATIVE CEILING SYSTEM, REF REFLECTED CEILING PLANS FOR DETAILS	30	NEW KITCHEN EQUIPMENT, PROVIDED BY OWNER, INSTALLED BY CONTRACTOR
13	4" RUBBER BASE, REF ROOM FINISH SCHEDULE	31	EXISTING KITCHEN EQUIPMENT TO BE RELOCATED
14	EXISTING CLOCK LOCATION TO REMAIN	32	ALUMINUM WINDOW SYSTEM, REF A600 SERIES DRAWINGS
15	CLOCK/SPEAKER BOX, REF ELECT. DWGS FOR DETAILS		
16	MOTORIZED ROLLING SHADES, REF FINISH LEGEND + SPECS		
17	PROJECTOR, BY OWNER		



9 Ceiling Detail
1/4" = 1'-0"



10 Acoustical Panels Detail
1/4" = 1'-0"

REF REFLECTED CEILING PLAN

10. RECTANGULAR ACOUSTICAL CEILING PANELS IN JOIST FOR SOUND ABSORPTION

FABRIC WRAPPED ACOUSTICAL WALL PANELS COLOR LEGEND :

COLOR -1 SEE ELEVATIONS FOR PANEL DIMENSIONS

COLOR -2 SEE ELEVATIONS FOR PANEL DIMENSIONS

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI07706001 | PA - RA012520Y
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01129700
JASON J. PIROWITSCH, AIA
NJ - 21AI01170000 | PA - RA406989
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00051001 | PA - RA414055
10/10/25
Date
Architect

FVHD Fellows Viscusi Frayzak Velez Hopkins Duthie PC

Corporate: 1515 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

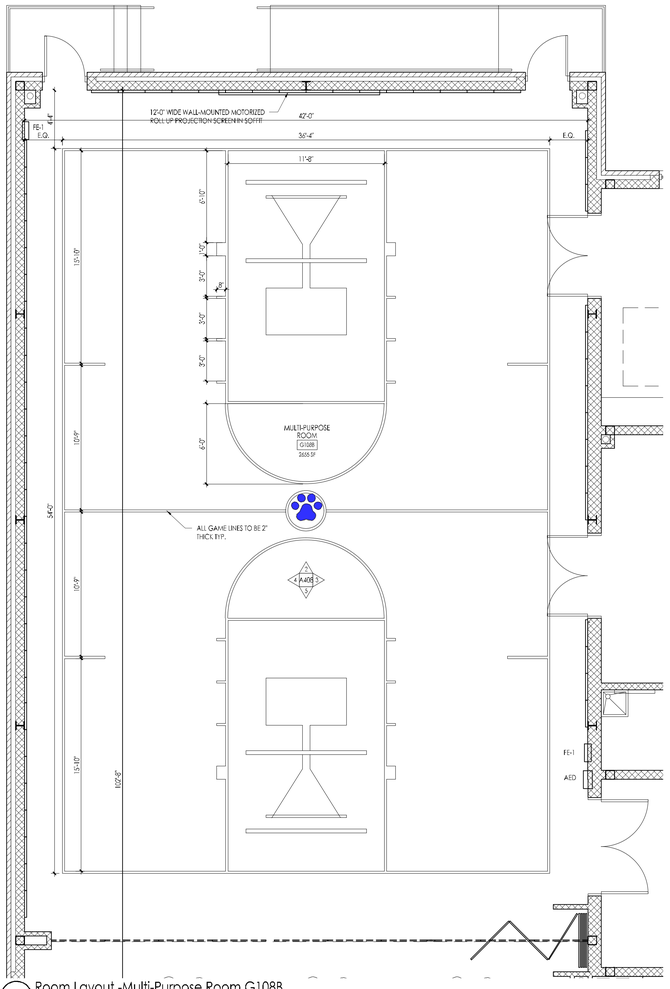
Project Number	5516B
Project Date	10.10.2025
Checked By	GRD
Drawn By	KM, ES,KH
Scale	AS NOTED

Drawing Name
Enlarged Plans & Interior Elevations - Cafeteria G108

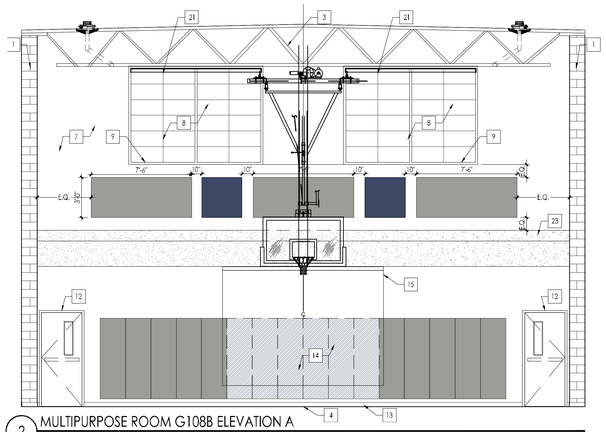
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

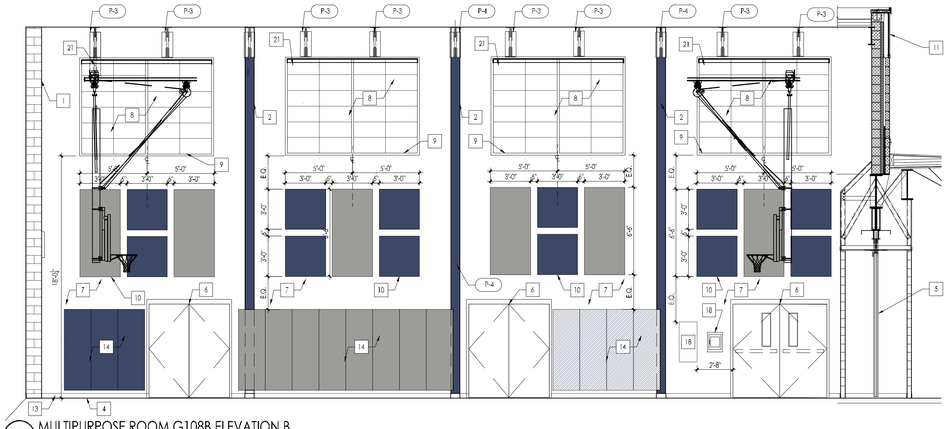
Drawing Number
A405



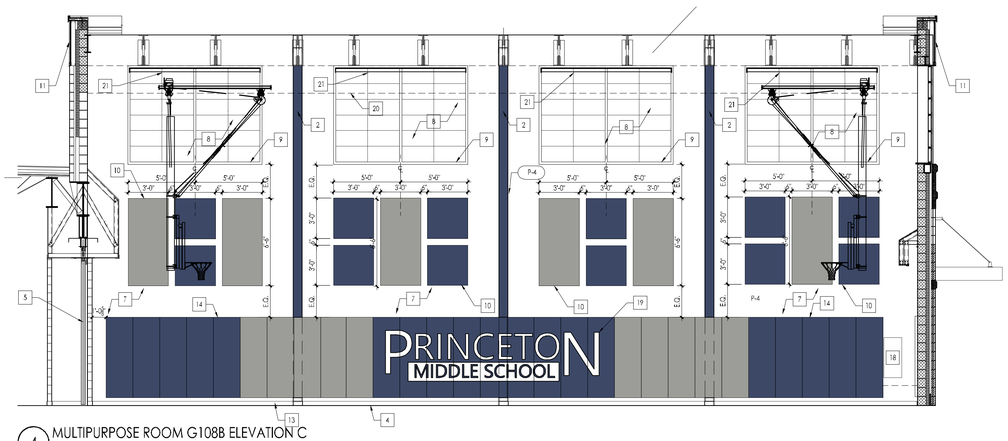
1 Room Layout -Multi-Purpose Room G108B
Scale: 1/4" = 1'-0"



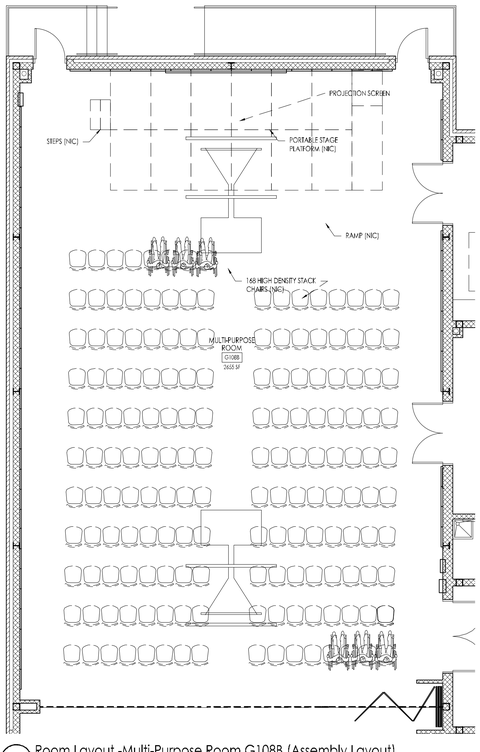
2 MULTIPURPOSE ROOM G108B ELEVATION A
1/4" = 1'-0"



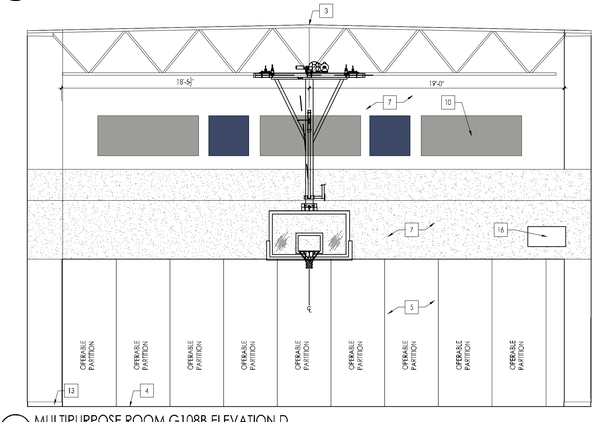
3 MULTIPURPOSE ROOM G108B ELEVATION B
1/4" = 1'-0"



4 MULTIPURPOSE ROOM G108B ELEVATION C
1/4" = 1'-0"



1A Room Layout -Multi-Purpose Room G108B (Assembly Layout)
Scale: 3/16" = 1'-0"



5 MULTIPURPOSE ROOM G108B ELEVATION D
1/4" = 1'-0"

PAINT LEGEND :

P-1	TBD
P-2	TBD
P-3	TBD
P-4	TBD

FABRIC WRAPPED ACOUSTICAL WALL PANELS COLOR LEGEND :

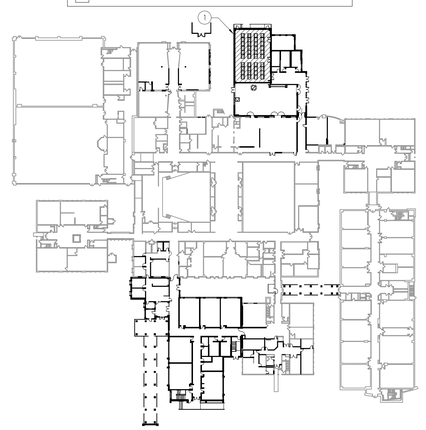
- COLOR -1 SEE ELEVATIONS FOR PANEL DIMENSIONS
- COLOR -2 SEE ELEVATIONS FOR PANEL DIMENSIONS

GYM WALL PAD COLOR LEGEND:

- WALL PAD COLOR 1
- WALL PAD COLOR 2

KEY NOTE LEGEND - MULTI-PURPOSE ROOM

1	CMU PIPE CHASE IN CORNER PAINTED
2	EXPOSED FACE OF STEEL COLUMN PAINTED
3	STEEL JOIST PAINTED, REF STRUCTURE
4	SYNTHETIC SPORTS FLOOR, REF SPECS
5	OPERABLE PARTITION, REF SPECS
6	WOOD DOOR IN HOLLOW METAL FRAME, REF DOOR SCHEDULE
7	EXPOSED CMU PAINTED, RUNNING BOND, REF. FINISH SCHEDULE
8	TRANSLUCENT FIBERGLASS INSULATED PANEL SYSTEM, REFER TO A500 SERIES DRAWINGS FOR DETAILS
9	SOLID SURFACE SILL, REF WALL SECTIONS
10	FABRIC WRAPPED ACOUSTICAL WALL PANELS
11	ROOF ASSEMBLY, REF ROOF ASSEMBLY TYPES A105
12	FRP DOOR IN ALUMINUM FRAME, REFER TO DOOR SCHEDULE
13	4" RUBBER BASE, REF ROOM FINISH SCHEDULE
14	GYM WALL PADS, REF SPECS
15	MOTORIZED ROLL-DOWN PROJECTOR SCREEN
16	CLOCK/SPEAKER BOX WITH CAGE, REF ELECT. DWGS FOR DETAILS
17	CEILING MOUNTED PROJECTOR
18	FIRE EXTINGUISHER CABINET & AED CABINET, REFER TO G003 FOR DETAILS
19	GRAPHIC ON WALL PADS. SPECIFIED BY OWNER SEE SPECS.
20	EXPOSED HVAC DUCT WORK PAINTED. REF MECHANICAL
21	MOTORIZED BLACKOUT ROLLER SHADES, REF SPECS
22	NOT USED
23	5/8" IMPACT RESISTANT GYP BOARD PAINTED



Key Plan - First Floor
Scale: 1/64" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI07706000 | PA - RA012520Y
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NJ - 21AI00137000 PA - RA406080
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NJ - 21AI00093500 | PA - RA410455
Architect
10/10/25
Date

FVHD Fraytak Velez Hopkins Duthie PC
Corporate: 515 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
ETS,KM

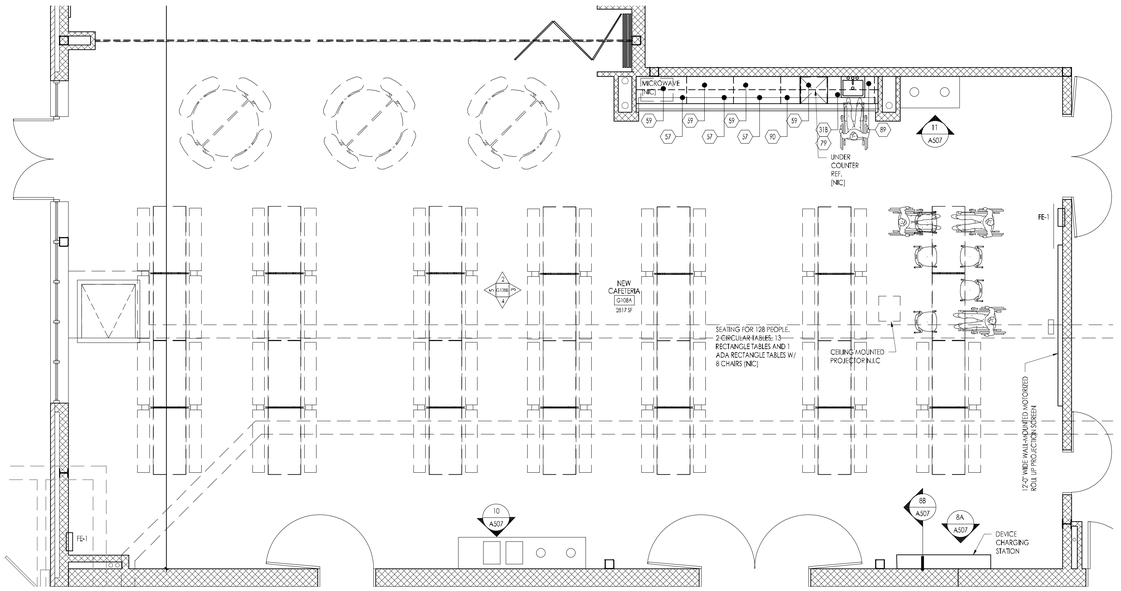
Scale
AS NOTED

Drawing Name
Enlarged Plans & Interior Elevations - Multi-Purpose Room

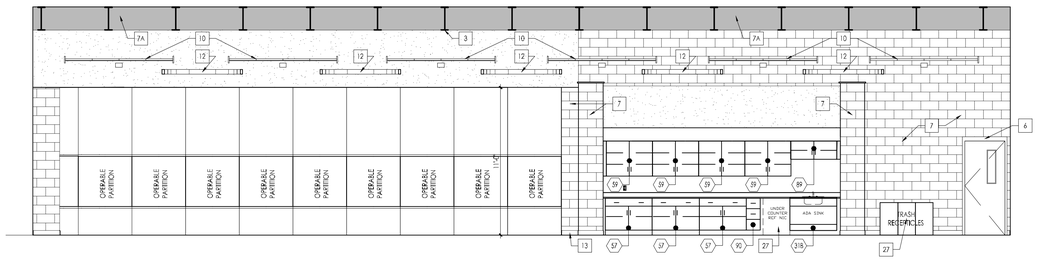
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

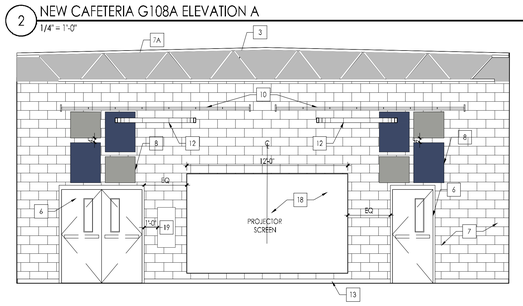
Drawing Number
A406



1 Room Layout - New Cafeteria, Multi-Purpose Room (Athletics), Storage
Scale: 1/4" = 1'-0"



2 NEW CAFETERIA G108A ELEVATION A
1/4" = 1'-0"

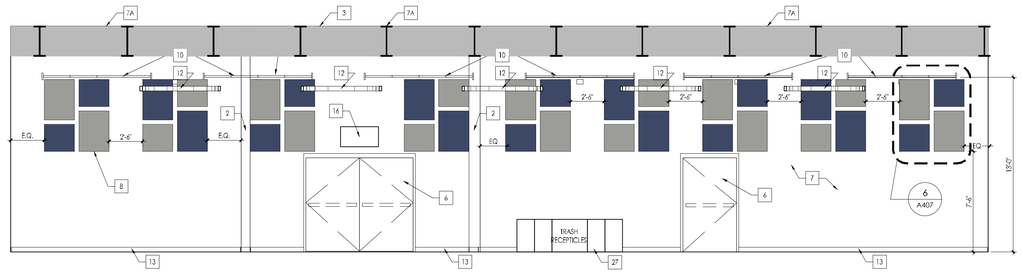


3 NEW CAFETERIA G108A ELEVATION B
1/4" = 1'-0"

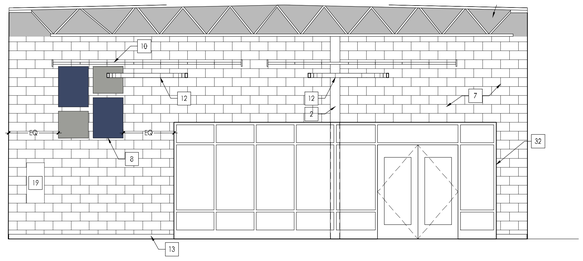
FABRIC WRAPPED ACOUSTICAL WALL PANELS COLOR LEGEND :

COLOR -1 SEE ELEVATIONS FOR PANEL DIMENSIONS

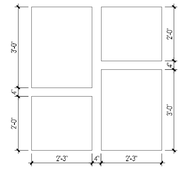
COLOR -2 SEE ELEVATIONS FOR PANEL DIMENSIONS



4 NEW CAFETERIA G108A ELEVATION C
1/4" = 1'-0"



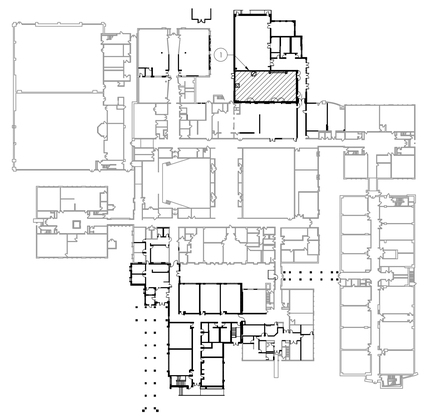
5 NEW CAFETERIA G108A ELEVATION D
1/4" = 1'-0"



6 ACOUSTICAL PANEL LAYOUT
1/2" = 1'-0"

KEY NOTE LEGEND - CAFETERIA

1	GYPSUM BOARD PAINTED, REF A601 FOR FINISHES	16	CLOCK/SPEAKER BOX, REF ELECT. DWGS FOR DETAILS
2	EXPOSED STEEL COLUMN PAINTED	17	SHORT THROW PROJECTOR, BY OWNER
3	STEEL LONG SPAN JOIST PAINTED, REF STRUCTURE	18	ROLL-DOWN PROJECTOR SCREEN
4	EXIST WALL, PAINTED. REF A600 SERIES FOR FINISHES	19	FIRE EXTINGUISHER CABINET & AED CABINET, REFER TO G003 FOR DETAILS
4A	EXIST SOFFIT TO REMAIN	20	EXISTING ADA COMPLIANT DRINKING FOUNTAIN, REF PLAN DRAWINGS
5	NOT USED	21	NOT USED
6	REF DOOR SCHEDULE	22	EXISTING SOFFIT, REPLACE EXISTING LIGHTING FIXTURES
7	EXPOSED CMU PAINTED, RUNNING BOND	23	PLASTIC LAMINATE CABINET, SEE CASEWORK SCHEDULE
7A	PAINTED BLACK AT BOTTOM OF STEEL AND ABOVE, REF FINISH SCHEDULE FOR COLOR	24	NOT USED
8	ACOUSTICAL SOUND PANELS, REFER TO FINISH LEGEND ON A601 AND SPECIFICATIONS FOR DETAIL	25	EXISTING DIVIDER WALL, REFINISH, REF A700 FOR FINISHES
9	NOT USED	26	NOT USED
10	DECORATIVE CEILING. REF A105 FOR REFLECTED CEILING PLAN	27	FURNITURE/EQUIPMENT NOT IN CONTRACT. FOR REFERENCE ONLY
11	NOT USED	28	NOT USED
12	LED LINEAR PENDANT/LIGHT FIXTURE, REF A105 FOR REFLECTED CEILING PLAN	29	NOT USED
13	4" RUBBER BASE, REF A601	30	NEW KITCHEN EQUIPMENT, PROVIDED BY OWNER, INSTALLED BY CONTRACTOR
14	NOT USED	31	EXISTING KITCHEN EQUIPMENT TO BE RELOCATED
15	BLACK-OUT MOTORIZED ROLLING SHADES. REF FINISH LEGEND + SPECS	32	ALUMINUM WINDOW SYSTEM, REF A600 SERIES DRAWINGS



Key Plan - First Floor
Scale: 1/64" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
N.J.: 21AI07706000 | PA.: RA-012520-01
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10/10/25
Date
Architect

FVHD Fabiano Viscomi Frantzis Velez Hopkins Duthie PC

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Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
ETS

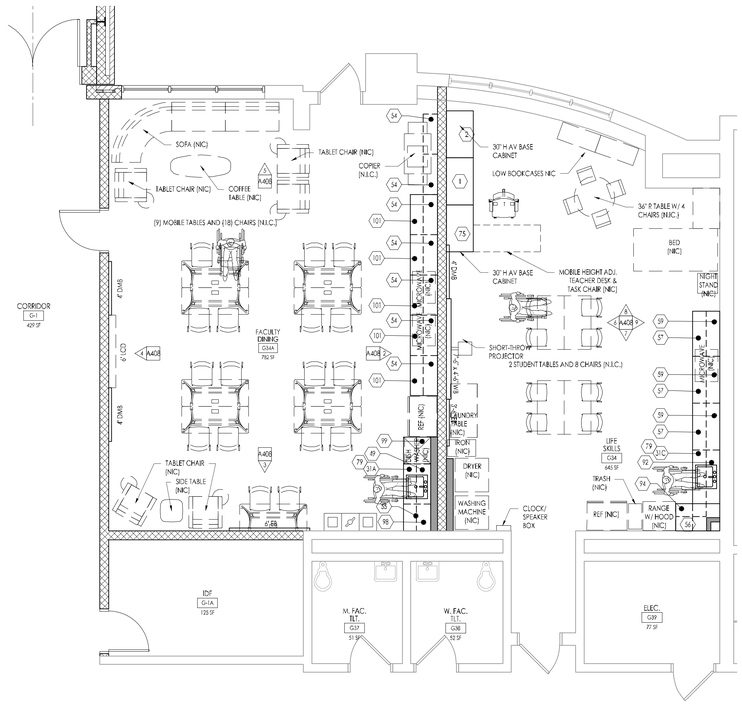
Scale
AS NOTED

Drawing Name
Enlarged Plans & Interior Elevations - New Cafeteria

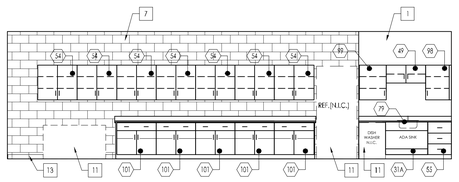
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

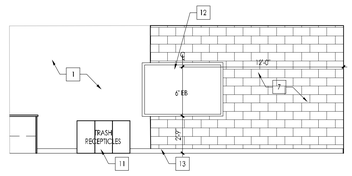
Drawing Number
A407



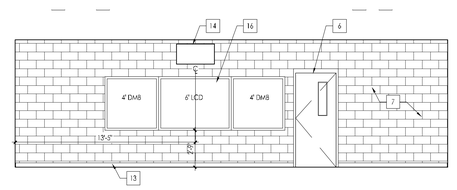
1 Room Layout - Faculty Dining and Life Skills
Scale: 1/4" = 1'-0" G33A G33



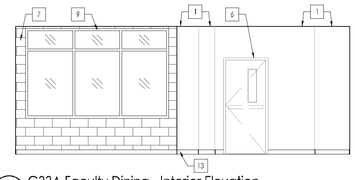
2 G33A Faculty Dining - Interior Elevation
1/4" = 1'-0"



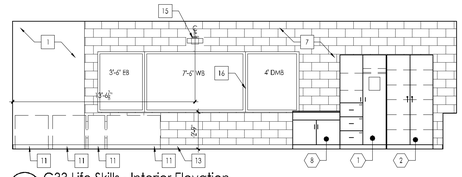
3 G33A Faculty Dining - Interior Elevation
1/4" = 1'-0"



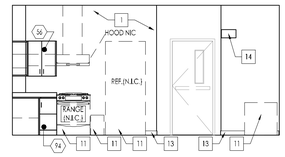
4 G33A Faculty Dining - Interior Elevation
1/4" = 1'-0"



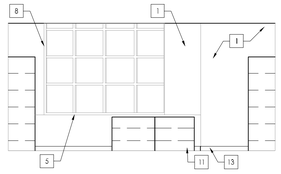
5 G33A Faculty Dining - Interior Elevation
1/4" = 1'-0"



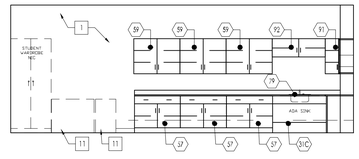
6 G33 Life Skills - Interior Elevation
1/4" = 1'-0"



7 G33 Life Skills - Interior Elevation
1/4" = 1'-0"



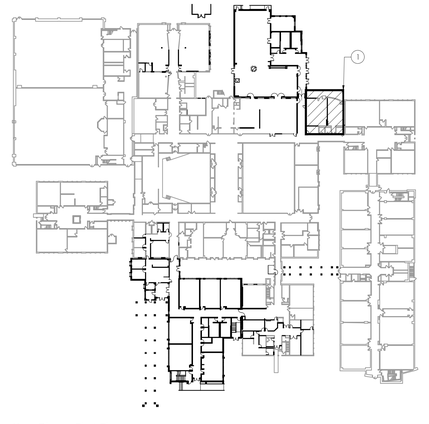
8 G33 Life Skills - Interior Elevation
1/4" = 1'-0"



9 G33 Life Skills - Interior Elevation
1/4" = 1'-0"

KEY NOTE LEGEND - FACULTY/LIFE SKILLS

1	EXIST TILE WALL, REF A700 SERIES FOR FINISHES
2	NOT USED
3	NOT USED
4	NOT USED
5	EXISTING SOLID SURFACE SILL, REF 44A/A310 FOR "BM" CONDITION AND B/A304 FOR WINDOW SILL
6	WOOD DOOR AND HOLLOW METAL FRAME, REF DOOR SCHEDULE
7	EXPOSED CMU PAINTED, RUNNING BOND, REF STRUCTURE FOR VERTICAL AND HORIZONTAL REINFORCEMENT
8	EXISTING ALUMINUM WINDOW SYSTEM
9	ALUMINUM WINDOW SYSTEM, REF A600 SERIES DRAWINGS
10	NOT USED
11	FURNITURE/EQUIPMENT NOT IN CONTRACT, FOR REFERENCE ONLY
12	DRY MARKERBOARD/EXHIBITION BOARD, REF 4/A400 FOR TYP CONDITION
13	4" RUBBER BASE, REF A604
14	CLOCK/SPEAKER BOX WITH CAGE, REF ELECT, DWGS FOR DETAILS
15	SHORT THROW PROJECTOR, BY OWNER
16	TEACHING WALL, REF 1/A400 FOR TYP CONDITION



Key Plan - First Floor
Scale: 1/64" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706001 | PA - RA012520Y
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NJ - 21AI00051001 | PA - RA410455
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Fraytak Vellez Hopkins Duthie PC
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Pennsylvania: 140 Whitaker Avenue Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
KM

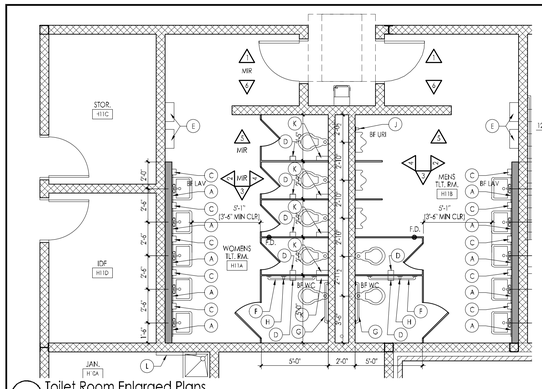
Scale
AS NOTED

Drawing Name
Enlarged Plans & Interior Elevations - Faculty Dining & Life Skills

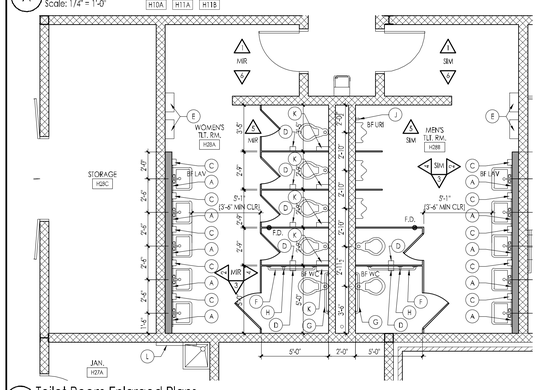
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

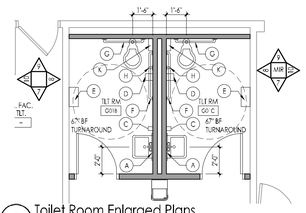
Drawing Number
A408



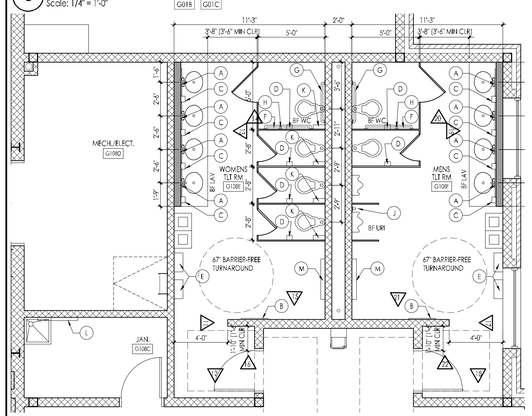
A Toilet Room Enlarged Plans
Scale: 1/4" = 1'-0" H10A H11A H11B



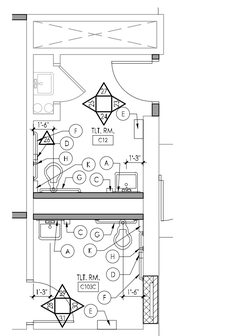
B Toilet Room Enlarged Plans
Scale: 1/4" = 1'-0" H27A H28A H28B



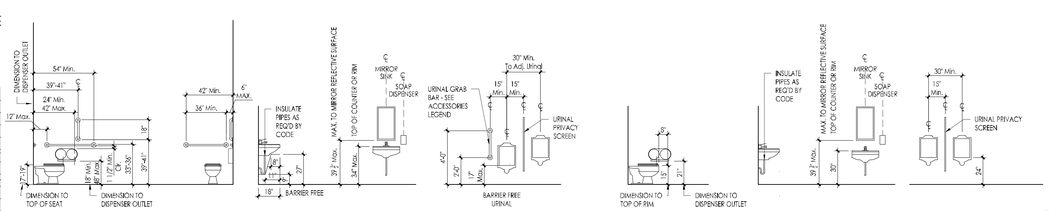
C Toilet Room Enlarged Plans
Scale: 1/4" = 1'-0" G01B G01C



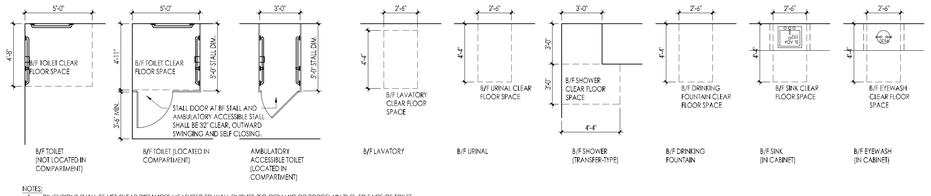
D Toilet Room Enlarged Plans
Scale: 1/4" = 1'-0" G108E G108F



E Toilet Room Enlarged Plans
Scale: 1/4" = 1'-0" C12 C103C



ADULT BARRIER-FREE / AMBULATORY ACCESSIBLE WATER CLOSET MOUNTING DIMENSIONS | ADULT BARRIER-FREE LAVATORY MOUNTING DIMENSIONS | ADULT BARRIER-FREE URINAL MOUNTING DIMENSIONS | ADULT NON-BARRIER-FREE WATER CLOSET MOUNTING DIMENSIONS | ADULT NON-BARRIER-FREE LAVATORY MOUNTING DIMENSIONS | ADULT NON-BARRIER-FREE URINAL MOUNTING DIMENSIONS | ACCESSIBLE CONTROLS & OPERATING MECHANISMS - FORWARD APPROACH



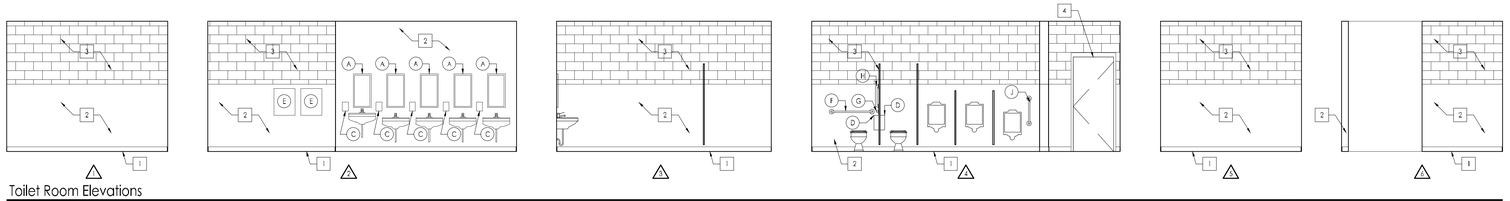
B/F TOILET (NOT LOCATED IN COMPARTMENT) | B/F TOILET (LOCATED IN COMPARTMENT) | AMBULATORY ACCESSIBLE TOILET (LOCATED IN COMPARTMENT) | B/F LAVATORY | B/F URINAL | B/F SHOWER (TRANSFER-TYPE) | B/F DRINKING FOUNTAIN | B/F SINK (IN CABINET) | B/F EYEWASH (IN CABINET)

NOTES:
1. DIMENSIONS SHALL BE NET CLEAR DISTANCES MEASURED TO WALL FINISHES (EG CERAMIC OR PORCELAIN TILE), TO FACE OF TOILET PARTITIONS AND TO EDGES OF ADJACENT FIXTURES, CABINETS, ETC.
2. ALL DIMENSIONS ARE MINIMUM UNLESS NOTED OTHERWISE.
3. INSTALLATIONS SHALL COMPLY WITH ALL PROVISIONS OF ICC-ANSI A117. 1 - 2017, INCLUDING BUT NOT LIMITED TO:
   - 3.1. SECTION 602 (DRINKING FOUNTAINS)
   - 3.2. SECTION 603 (TOILET AND BATHING ROOMS)
   - 3.3. SECTION 604 (WASH CLOSETS AND TOILET COMPARTMENTS)
   - 3.4. SECTION 605 (URINALS)
   - 3.5. SECTION 606 (LAVATORIES AND SINKS)
   - 3.6. SECTION 608 (SHOWER COMPARTMENTS)
   - 3.7. SECTION 609 (GRAB BARS)
   - 3.8. SECTION 610 (SEATS)
4. CLEAR FLOOR SPACES MAY OVERLAP WHERE SPECIFICALLY PERMITTED IN ICC-ANSI A117. 1 - 2017 CHAPTER 6.

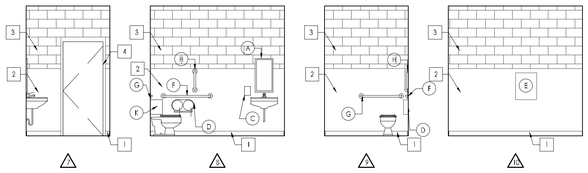
TOILET ROOM ACCESSORIES LEGEND

NO.	CAT. NO.	DESCRIPTION	SIZE H.	SIZE D.	SIZE W.	REMARKS
A	#781-1630	MIRROR	30"	--	16"	TEMPERED GLASS
B	#781-2460	MIRROR	60"	--	24"	TEMPERED GLASS
C	--	SOAP DISPENSER	--	--	--	SEE TOILET ROOM ACCESSORY NOTE 3
D	--	TOILET TISSUE DISPENSER	--	--	--	SEE TOILET ROOM ACCESSORY NOTE 3
E	--	PAPER TOWER DISPENSER	--	--	--	SEE TOILET ROOM ACCESSORY NOTE 3
F	#812-2	GRAB BAR	--	1 1/2" D.	42"	SAFETY GRIP FINISH
G	#812-2	GRAB BAR	--	1 1/2" D.	36"	SAFETY GRIP FINISH
H	#812-2	GRAB BAR	18"	1 1/2" D.	--	SAFETY GRIP FINISH, MOUNT VERTICAL
J	#812-2	GRAB BAR	24"	1 1/2" D.	--	SAFETY GRIP FINISH, MOUNT VERTICAL
K	#4722-15	SANITARY NAPKIN DISPOSAL	15 1/8"	4"	10 3/4"	SURFACE MOUNTED
L	#9954	MOP AND BROOM HOLDER	36"	4"	2 3/4"	
M	KB110-SSWM	INFANT CHANGING STATION	35 1/4"	20"	4"	SEE TOILET ROOM ACCESSORY NOTE 4

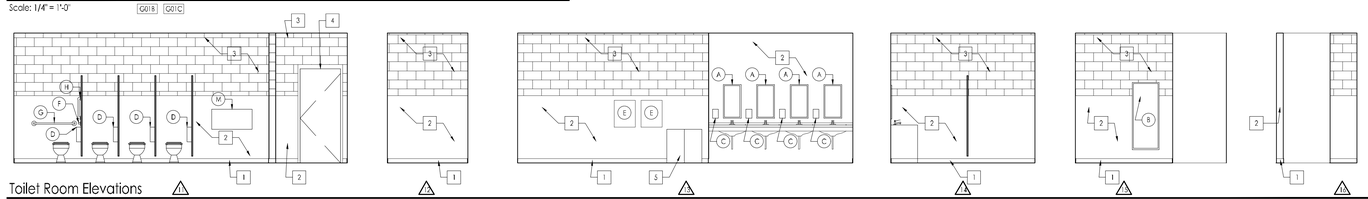
NOTES:
1. ALL CATALOG NUMBERS REFER TO BRADLEY WASHROOM ACCESSORIES UNLESS OTHERWISE NOTED. ALL SCHEDULED EQUIPMENT MANUFACTURERS ARE "BASIS OF DESIGN", OR APPROVED EQUAL.
2. SEE DETAILS ON THIS DRAWING FOR REQUIRED MOUNTING HEIGHTS AND CLEARANCES AT TOILET ROOM FIXTURES AND ACCESSORIES.
3. INDICATED ACCESSORIES SUPPLIED BY OWNER AND INSTALLED BY GENERAL CONTRACTOR.
4. INFANT CHANGING STATION MANUFACTURED BY KOALA KARE OR APPROVED EQUAL - SEE SPECIFICATION.



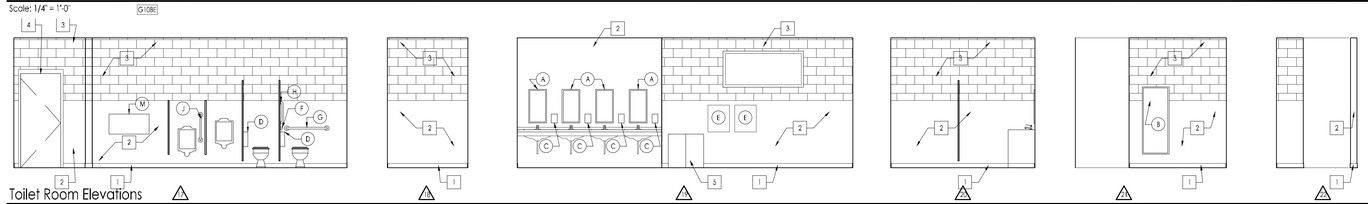
Toilet Room Elevations
Scale: 1/4" = 1'-0" H11A H11B H28A H28B



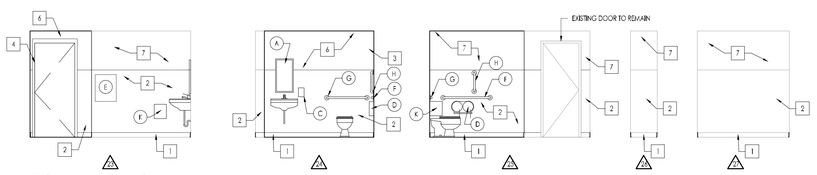
Toilet Room Elevations
Scale: 1/4" = 1'-0" G01B G01C



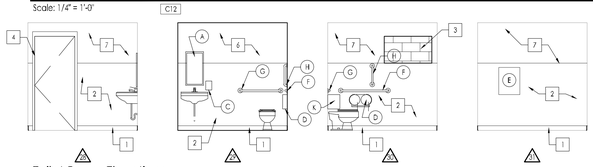
Toilet Room Elevations
Scale: 1/4" = 1'-0" G108E



Toilet Room Elevations
Scale: 1/4" = 1'-0" G108F



Toilet Room Elevations
Scale: 1/4" = 1'-0" C12

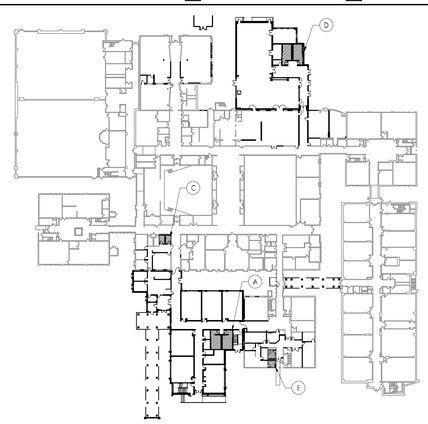


Toilet Room Elevations
Scale: 1/4" = 1'-0" C103E

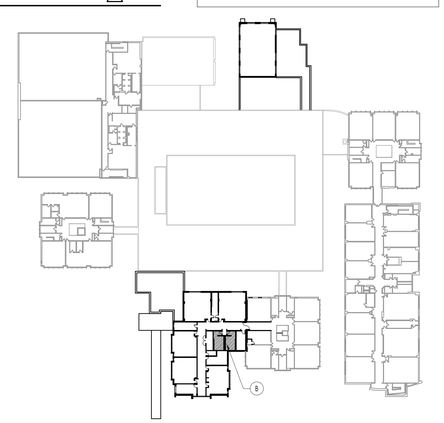
F Vanity Counter Section
Scale: 3/4" = 1'-0"

KEY NOTE LEGEND - TOILET ROOMS

1	4" RSF BASE, REF ROOM FINISH SCHEDULE
2	FRP, REF ROOM FINISH SCHEDULE & SPECIFICATION
3	EXPOSED CMU EPOXY PAINTED, REF ROOM FINISH SCHEDULE
4	DOOR AND FRAME, REF DOOR SCHEDULE
5	FURNITURE/EQUIPMENT NOT IN CONTRACT. FOR REFERENCE ONLY
6	EXPOSED GYP BD EPOXY PAINTED, REF ROOM FINISH SCHEDULE
7	EXPOSED EXG CONSTR EPOXY PAINTED, REF ROOM FINISH SCHEDULE



Key Plan - First Floor
Scale: 1/64" = 1'-0"



Key Plan - Second Floor
Scale: 1/64" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A07706001 | PA - RA012501
GEORGE P. DUTHIE JR., AIA, PP
NJ - 20A 100129100
JASON M. ZYROWSKI, AIA
NJ - 21AI01710600 | PA - RA426981
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AE00051001 | PA - RA414055
Architect
10/10/25
Date

FVHD Fabiano Viscomi Hopkins Duthie PC
Fraytak Velez Hopkins Duthie PC
Corporate: 15 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B
Project Date
10.10.2025
Checked By
GRD
Drawn By
ETS
Scale
AS NOTED

Drawing Name
Enlarged Plans & Interior Elevations - Toilet Rooms

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

Drawing Number
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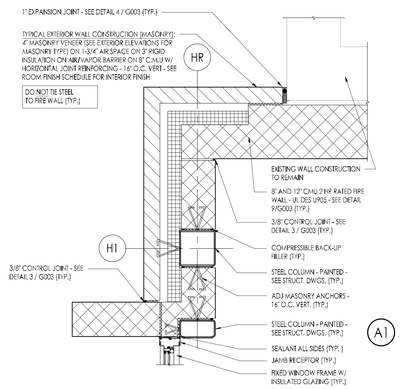

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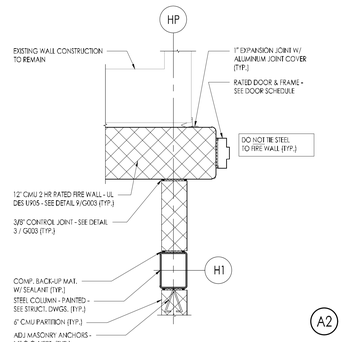

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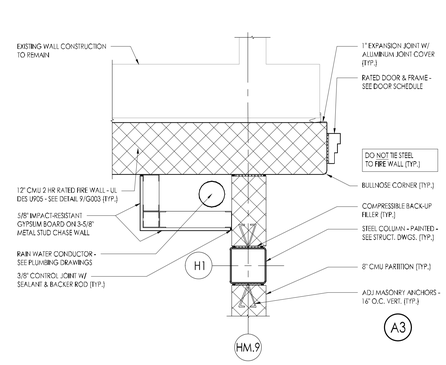

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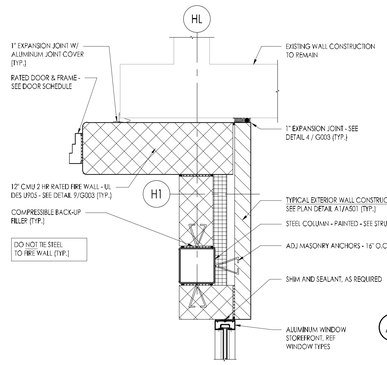

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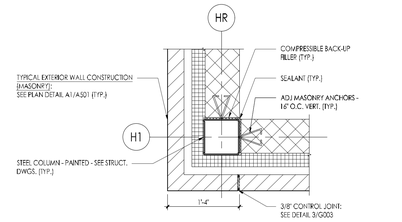

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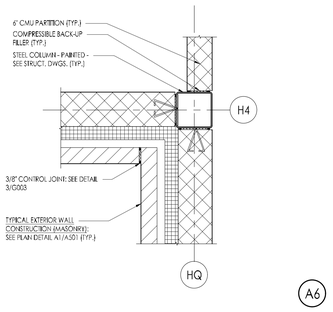

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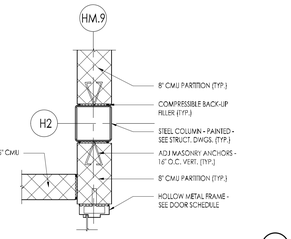

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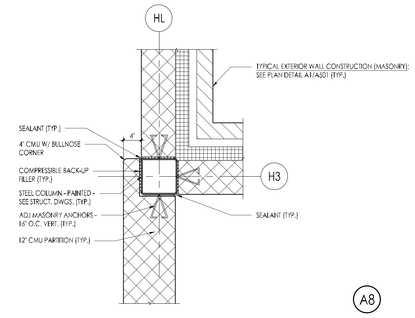

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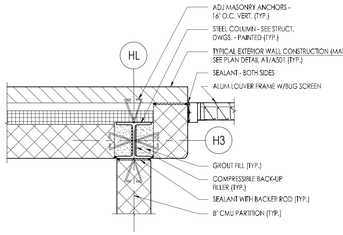

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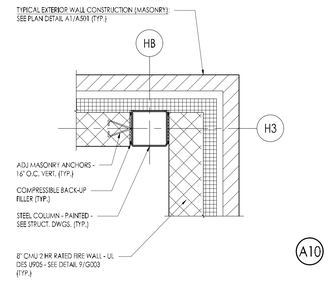

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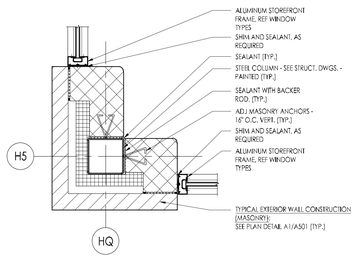

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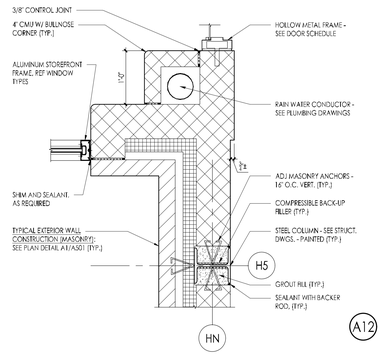

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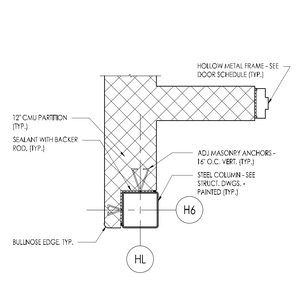

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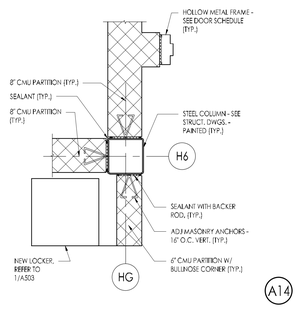

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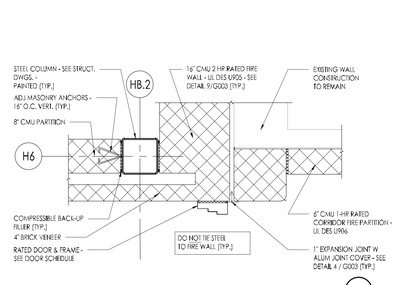

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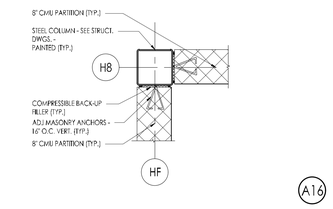

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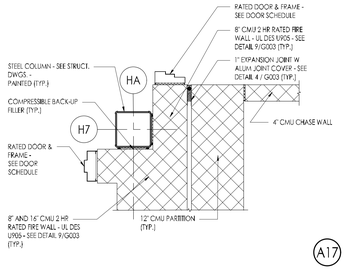

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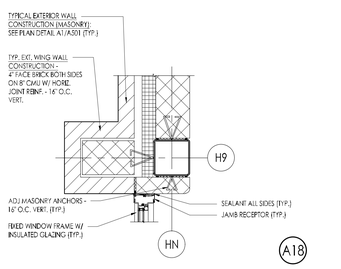

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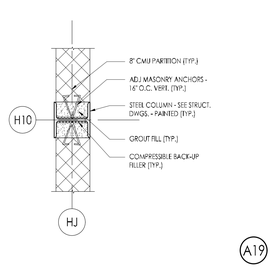

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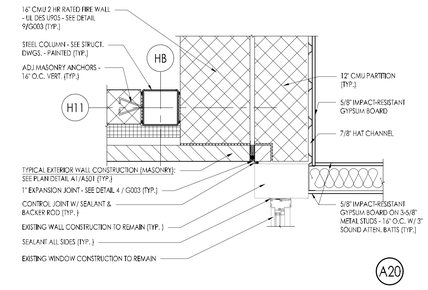

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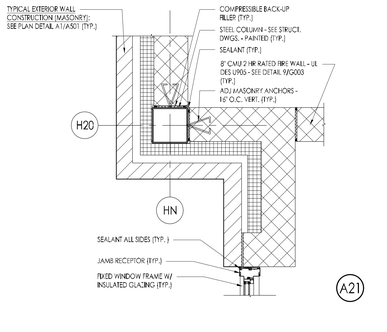

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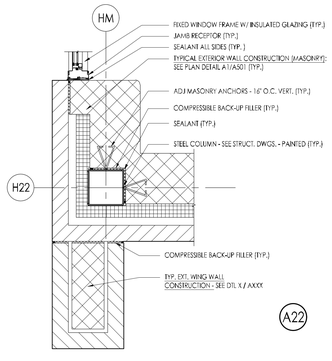

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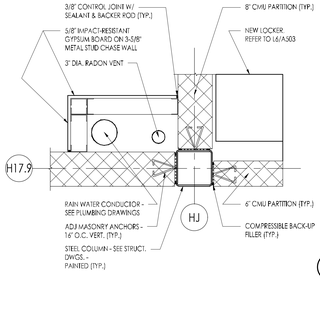

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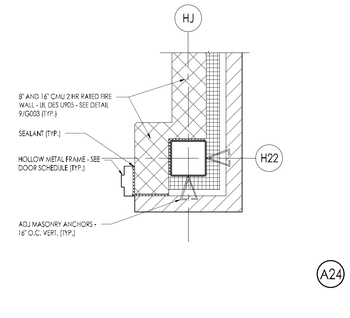

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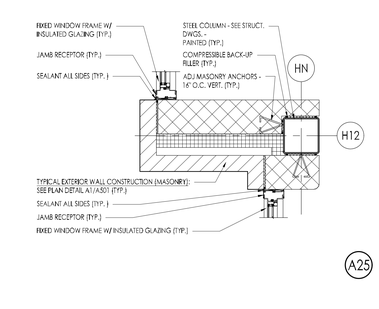


A25

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706001 | PA - RA012501
GEORGE R. DUTHIE JR., AIA, PP
NJ - 20AI00129100
JASON ZYROWSKI, AIA
NJ - 21AI01710700 | PA - RA424089
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00051001 | PA - RA410455
10/10/25
Date
Architect
FVHD Architects Engineers Fraytak Velez Hopkins Duthie P.C.
Corporate: 15 15 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name

Addition and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Lane, Princeton, NJ 08540

Project Number

5516B

Project Date

10.10.2025

Checked By

GRD

Drawn By

ETS

Scale

AS NOTED

Drawing Name

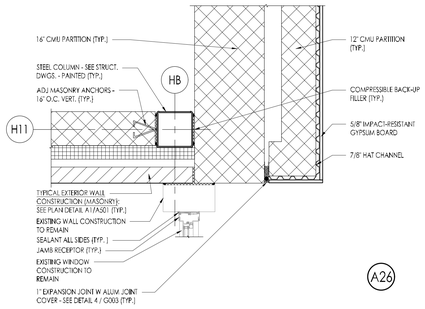
Plan Details

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

Drawing Number

A501



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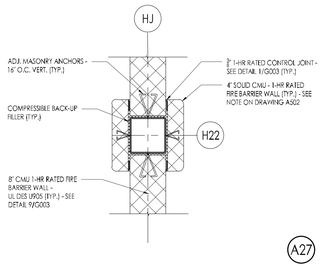

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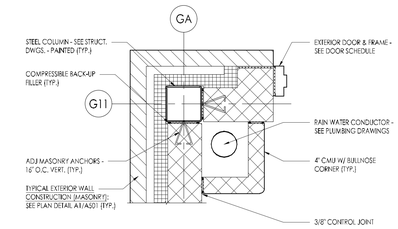

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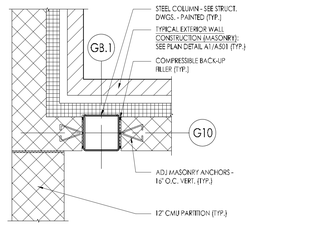

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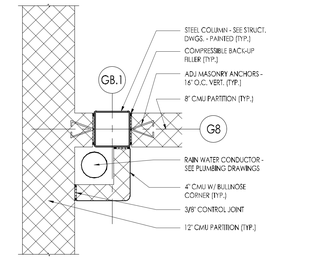


B3

B4

B5

B6

B7

B8

B9

B10

NOTE:

IN ALL LOCATIONS WHERE 4" SOLID 1-HOUR OR 2-HOUR RATED CMU IS INDICATED, PROVIDE AND INSTALL CMU OF LIGHTWEIGHT CLASSIFICATION USING AGGREGATE OF EXPANDED CLAY, EXPANDED SHALE OR EXPANDED SLATE, WITH A MINIMUM THICKNESS OF 3.6", IN COMPLIANCE WITH ANSI/ACI 216.1-97, TMS 0216-97 AND IBC-2021 N.J. EDITION TABLE 721.1(2) ITEM 3-1.2 - SEE SPECIFICATION

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A07706001 | PA - RA012501E
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI00129100
JASON J. ZEBROWITCH, AIA
NJ - 21AI00170100 | PA - RA406989
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00051001 | PA - RA410455
Architect
10/10/25
Date

FVHD Fravtak Velez Hopkins Duthie P.C.
Corporate: 15 15 Lower Ferry Road Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name

Addition and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Lane, Princeton, NJ 08540

Project Number	5516B
Project Date	10.10.2025
Checked By	GRD
Drawn By	ETS
Scale	AS NOTED

Drawing Name

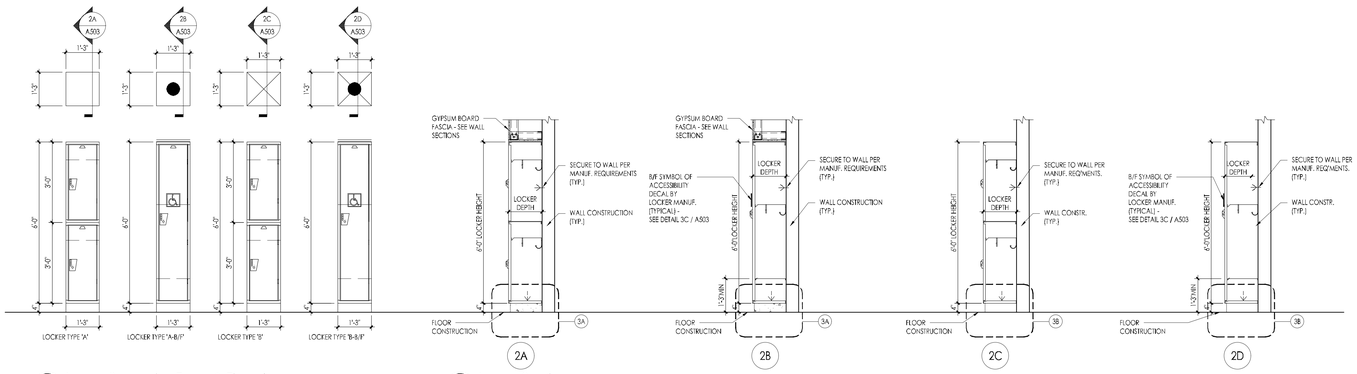
Plan Details

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	NJ DCA RESPONSES

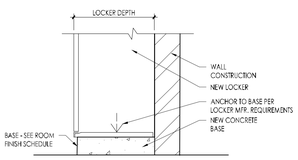
Drawing Number

A502

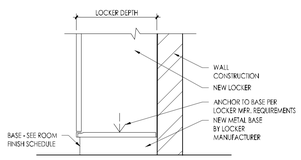


1 Locker Schedule - Types & Elevations
Scale: 1/2" = 1'-0"

2 Locker Sections
Scale: 1/2" = 1'-0"



3A Concrete Locker Base Detail
Scale: 1" 1'-0"



3B Metal Locker Base Detail
Scale: 1" 1'-0"

3C B/F/Sign Detail
Scale: 1" = 1'-0"

4 Roof Access Ladder Detail
Scale: 1" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A07176000 | PA - RA012501
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI00129700
JASON J. DUBOWITCH, AIA
NJ - 21AI00170000 | PA - RA406080
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00051000 | PA - RA410455
10/10/25
Date
Architect

FVHD Fulbrook Vellozzi Hopkins Duthie PC
Corporate: 1515 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
ZTM / NEH

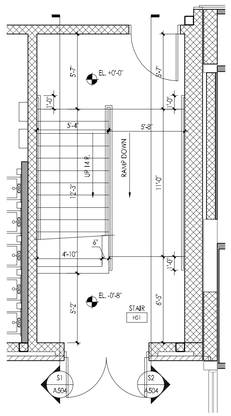
Scale
AS NOTED

Drawing Name
Miscellaneouss Details

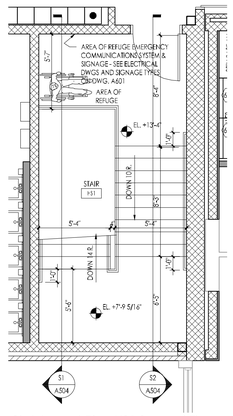
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION

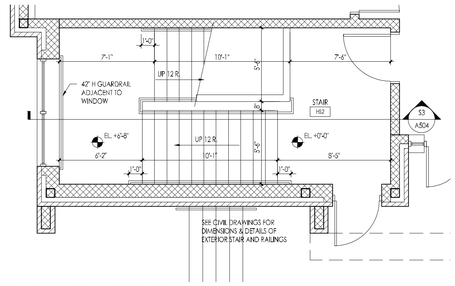
Drawing Number
A503



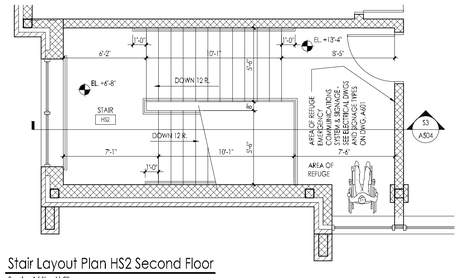
Stair Layout Plan HS1 First Floor
Scale: 1/4" = 1'-0"



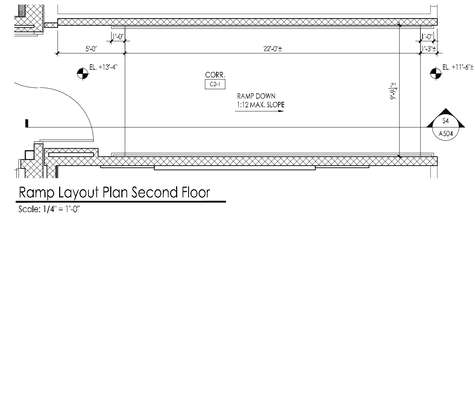
Stair Layout Plan HS1 Second Floor
Scale: 1/4" = 1'-0"



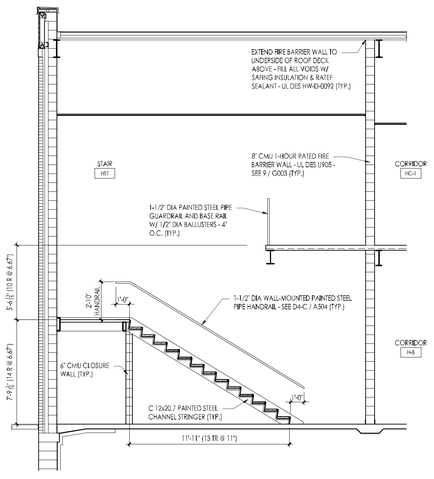
Stair Layout Plan HS2 First Floor
Scale: 1/4" = 1'-0"



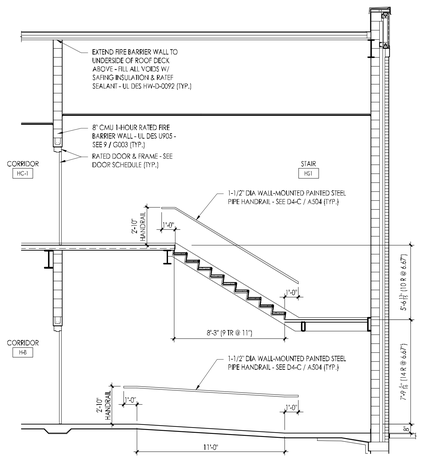
Stair Layout Plan HS2 Second Floor
Scale: 1/4" = 1'-0"



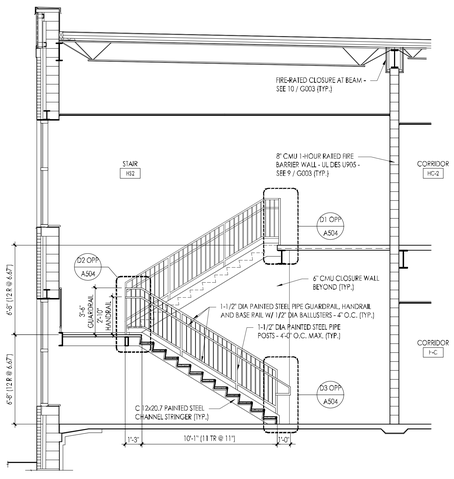
Ramp Layout Plan Second Floor
Scale: 1/4" = 1'-0"



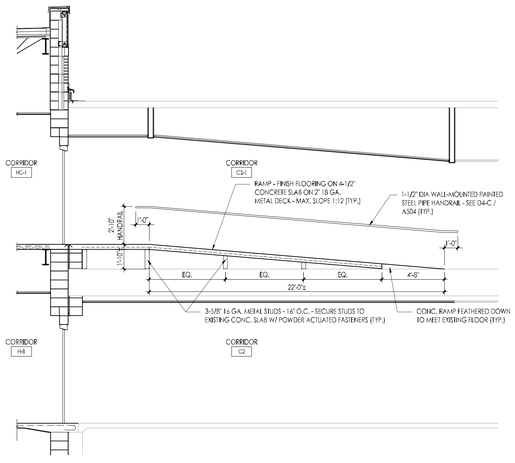
S1 Longitudinal Section - Stair HS1
Scale: 1/4"= 1'-0"



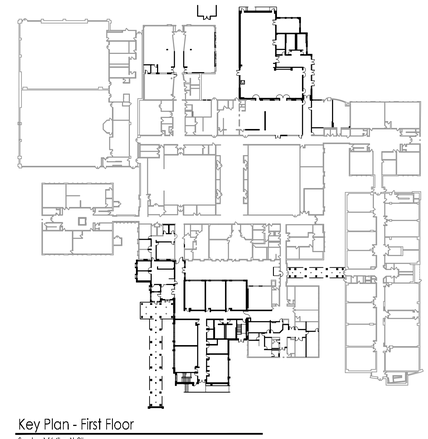
S2 Longitudinal Section - Stair HS1
Scale: 1/4"= 1'-0"



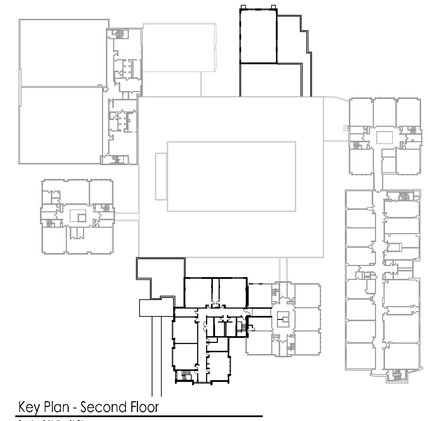
S3 Longitudinal Section - Stair HS2
Scale: 1/4"= 1'-0"



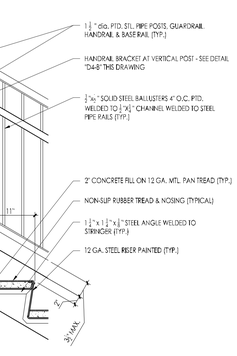
S4 Longitudinal Section - Ramp
Scale: 1/4"= 1'-0"



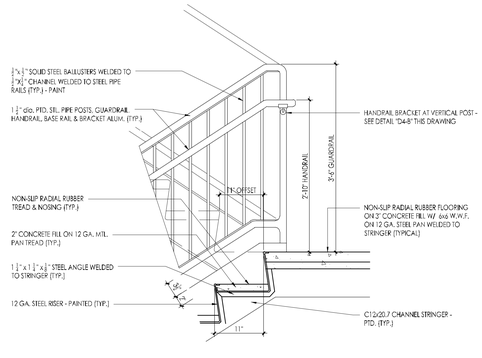
Key Plan - First Floor
Scale: 1/64" = 1'-0"



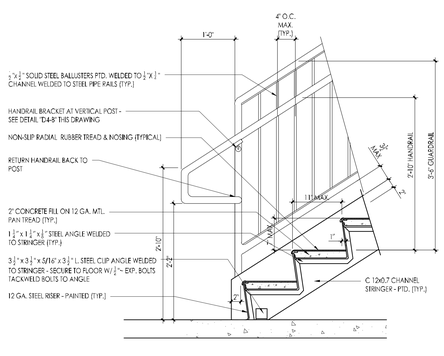
Key Plan - Second Floor
Scale: 1/64" = 1'-0"



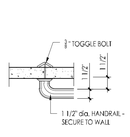
D1 Detail at Top of Stair
Scale: 1"= 1'-0"



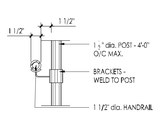
D2 Detail at Intermediate Landing
Scale: 1"= 1'-0"



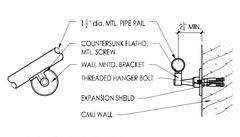
D3 Detail at Base of Stair
Scale: 1"= 1'-0"



A WALL RETURN



B HANDRAIL AT GUARDRAIL



C RAIL DETAILS

D4 Typical Handrail Details
Scale: 1"= 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A01706000 | PA - RA012520Y
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21A04129700
JASON J. DUBOWITCH, AIA
NJ - 21AI01710600 | PA - RA426081
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI02005100 | PA - RA414565
10/10/25
Date
Architect

FVHD Fellows Vasquez Hopkins Duthie P.C.
Corporate: 15 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
ETS / NEH

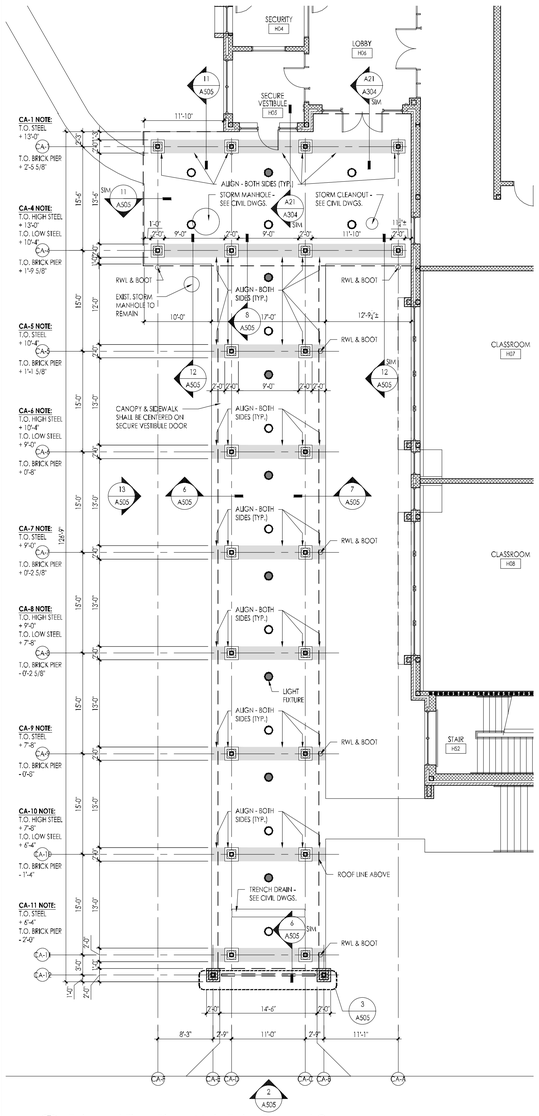
Scale
AS NOTED

Drawing Name
Stair and Ramp Details

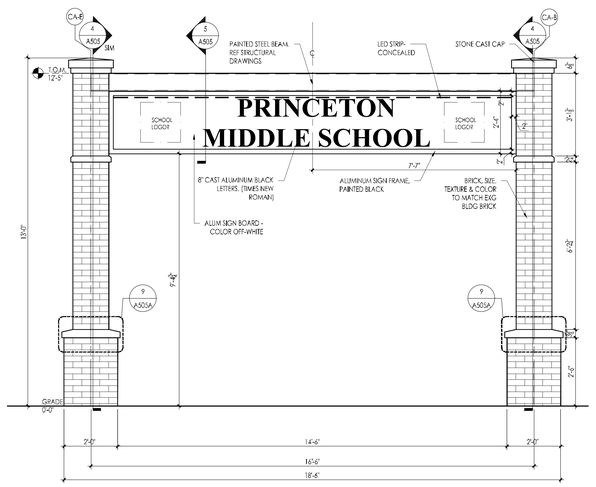
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.15.25	NJ DCA RESPONSES

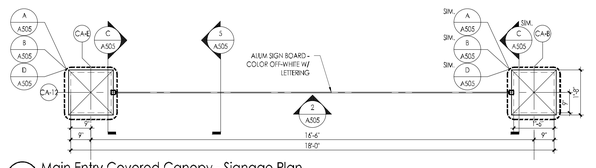
Drawing Number
A504



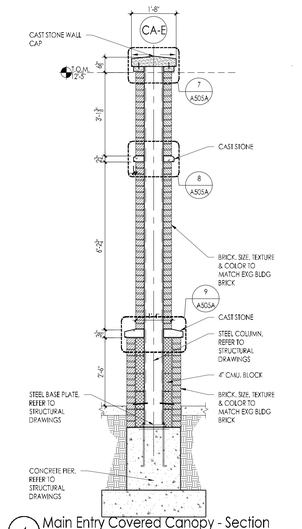
1 Enlarged Floor Plan - Main Entry Covered Canopy
Scale: 1/8" = 1'-0"



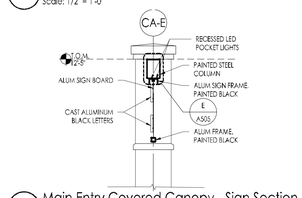
2 Main Entry Covered Canopy - Signage Elevation
Scale: 1/2" = 1'-0"



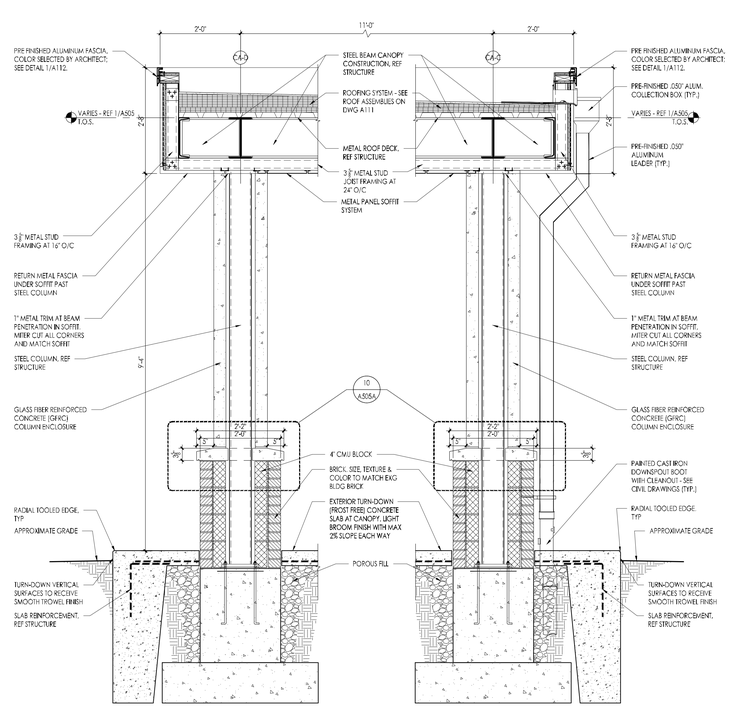
3 Main Entry Covered Canopy - Signage Plan
Scale: 1/2" = 1'-0"



4 Main Entry Covered Canopy - Section
Scale: 1/2" = 1'-0"

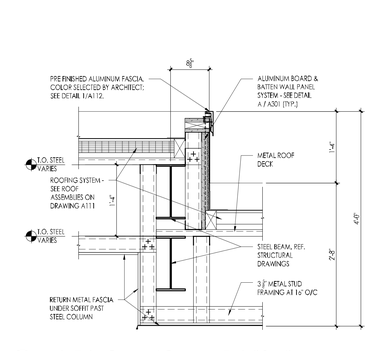


5 Main Entry Covered Canopy - Sign Section
Scale: 1/2" = 1'-0"

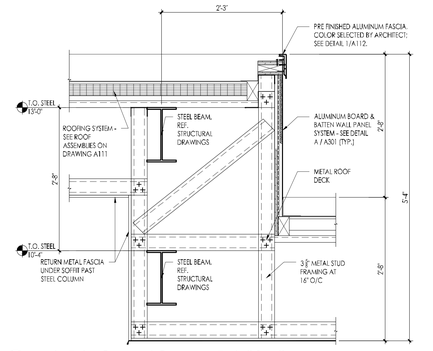


6 Main Entry Covered Canopy - Section
Scale: 3/4" = 1'-0"

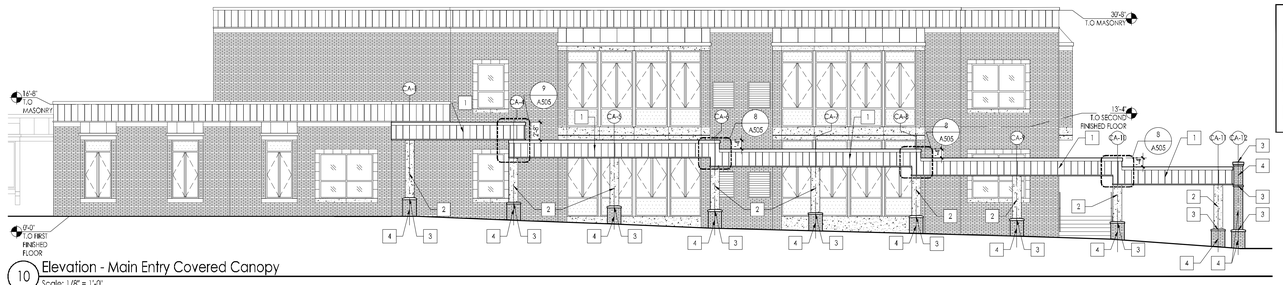
7 Main Entry Covered Canopy - Section
Scale: 3/4" = 1'-0"



8 Main Entry Covered Canopy - Detail Section
Scale: 1" = 1'-0"



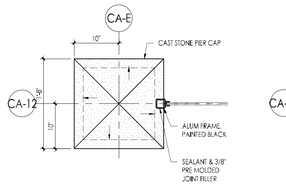
9 Main Entry Covered Canopy - Detail Section
Scale: 1" = 1'-0"



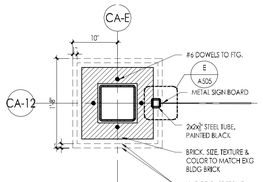
10 Elevation - Main Entry Covered Canopy
Scale: 1/8" = 1'-0"

KEYNOTE FINISH LEGEND

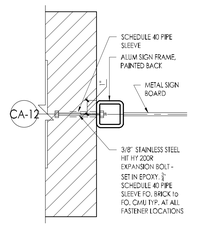
1	PRE-FINISHED ALUMINUM FASCIA. COLOR SELECTED BY ARCHITECT: SEE DETAIL 1/A112
2	GLASS FIBER REINFORCED CONCRETE (GFRC) COLUMN ENCLOSURE.
3	CAST STONE. REFER TO DETAILS ON DRAWING SHEET A505 & A506A
4	BRICK, RUNNING BOND, COLOR TO MATCH EXISTING BUILDING BRICK



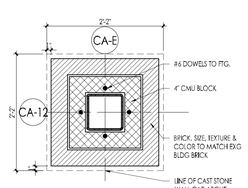
A Main Entry Covered Canopy - Cast Stone Plan
Scale: 1" = 1'-0"



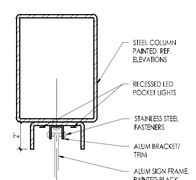
B Main Entry Covered Canopy - Plan Detail
Scale: 1" = 1'-0"



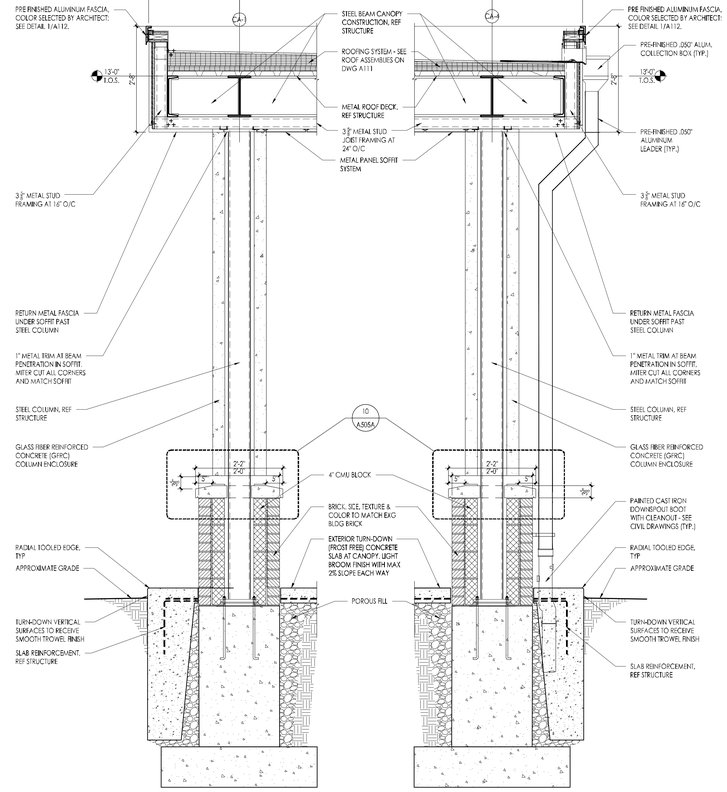
C Main Entry Covered Canopy - Plan Detail
Scale: 3" = 1'-0"



D Main Entry Covered Canopy - Plan Detail
Scale: 1" = 1'-0"



E Main Entry Covered Canopy - Plan Detail
Scale: 3" = 1'-0"



11 Main Entry Covered Canopy - Section
Scale: 3/4" = 1'-0"

12 Main Entry Covered Canopy - Section
Scale: 3/4" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A017760001 | PA - RA012520T
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21A017729001
JASON J. ZIPOWITCH, AIA, LEED AP BD+C
NJ - 21A018170001 | PA - RA406981
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AE00051001 | PA - RA410655
Architect
10/10/25
Date

FVHD Fraytak Velez Hopkins Duthie P.C.
Corporate: 15 15 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

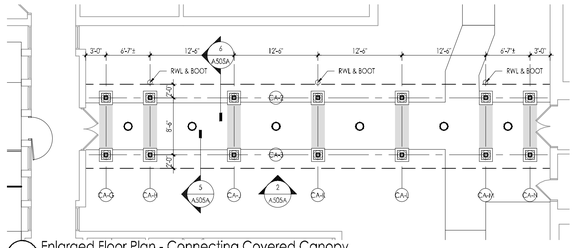
Project Number	5516B
Project Date	10.10.2025
Checked By	GRD
Drawn By	ETS
Scale	AS NOTED

Drawing Name
New Canopy Enlarged Plan and Details

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

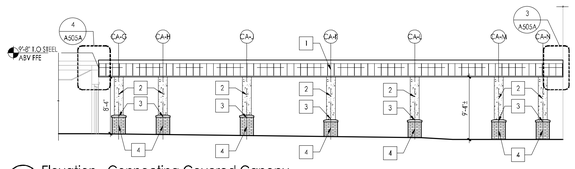
Drawing Number
A505



1 Enlarged Floor Plan - Connecting Covered Canopy
Scale: 1/8" = 1'-0"

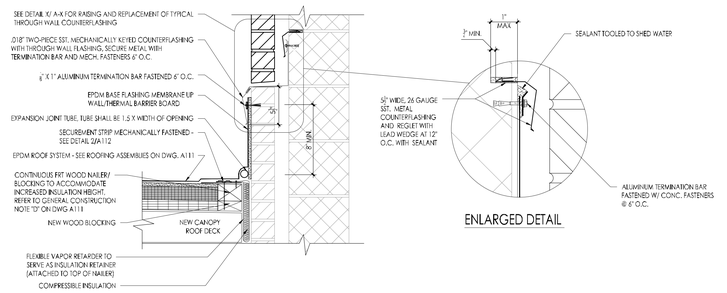
KEYNOTE FINISH LEGEND

1. PRE-FINISHED ALUMINUM FASCIA, COLOR SELECTED BY ARCHITECT; SEE DETAIL 1/A112
2. GLASS FIBER REINFORCED CONCRETE (GFRC) COLUMN ENCLOSURE.
3. CAST STONE, REFER TO DETAILS ON DRAWING SHEET A505 & A505A
4. BRICK, RUNNING BOND, COLOR TO MATCH EXISTING BUILDING BRICK



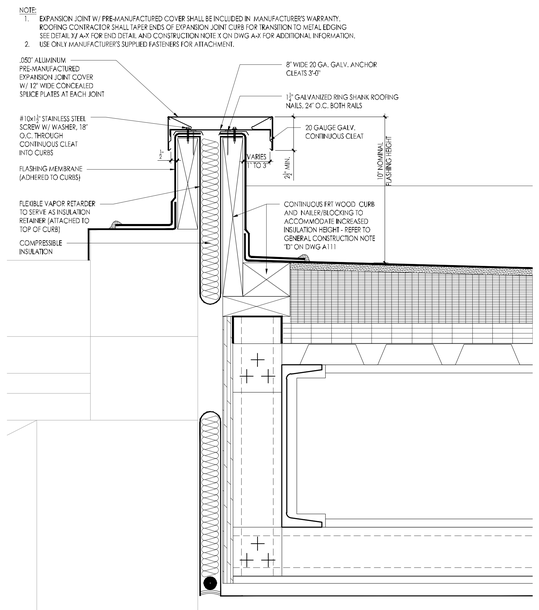
2 Elevation - Connecting Covered Canopy
Scale: 1/8" = 1'-0"

PRIOR TO REINSTALLING MASONRY, THE CONTRACTOR SHALL PHOTOGRAPH FLASHING INSTALLATION AND DETAILS AT LAP JOINT, COUNTERFLASHING, END DAMS, INSIDE CORNERS, OUTSIDE CORNERS, COLUMNS AND OTHER CONDITIONS. NOTE LOCATION AND PROXIMITY TO NEAREST COLUMNS ON KEY PLAN AND PHOTOGRAPHS.

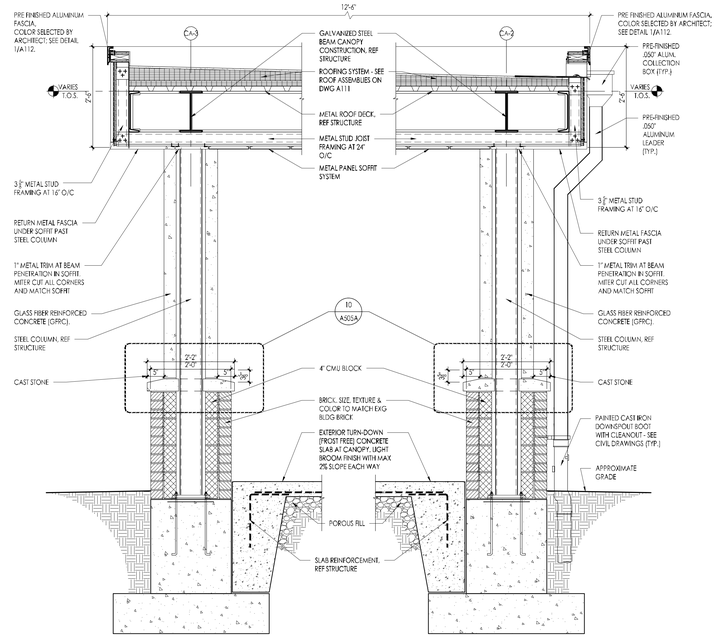


3 Low Profile Expansion Joint @ Existing Cavity Wall - Connecting Canopy Detail
Scale: 1-1/2" = 1'-0"

NOTE:
1. EXPANSION JOINT W/ PRE-MANUFACTURED COVER SHALL BE INCLUDED IN MANUFACTURERS WARRANTY. ROOFING CONTRACTOR SHALL TAPER ENDS OF EXPANSION JOINT CURB FOR TRANSITION TO METAL EDGING SEE DETAIL 3/ A/1 FOR END DETAIL AND CONSTRUCTION NOTE 9 ON DWG A-X FOR ADDITIONAL INFORMATION.
2. USE ONLY MANUFACTURER'S SUPPLIED FASTENERS FOR ATTACHMENT.

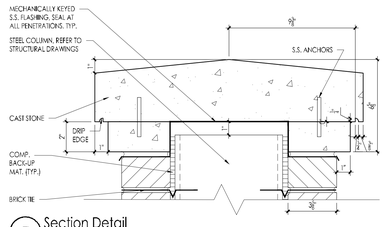


4 Exp. Joint w/ Pre-Manufactured Cover - Connection Canopy Detail
Scale: 3" = 1'-0"

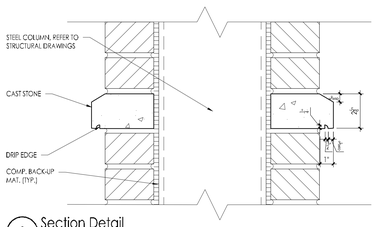


5 Connected Covered Canopy - Section
Scale: 3/4" = 1'-0"

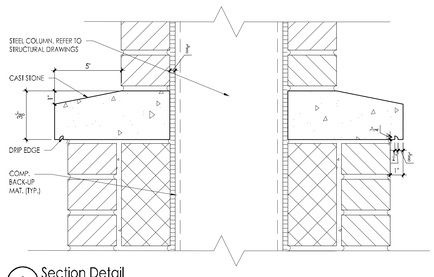
6 Connected Covered Canopy - Section
Scale: 3/4" = 1'-0"



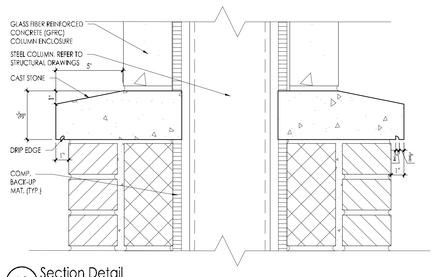
7 Section Detail
Scale: 3" = 1'-0"



8 Section Detail
Scale: 3" = 1'-0"



9 Section Detail
Scale: 3" = 1'-0"



10 Section Detail
Scale: 3" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A07706000 | PA - RA012520Y

GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01297200

JASON J. DUBOWITCH, AIA
NJ - 21AI01770000 | PA - RA426089

STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00093000 | PA - RA410455

10/10/2025
Date

Architect

FVHD Fraytak Velez Hopkins Duthie P.C.

Corporate: 151 S Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453

F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
ETS

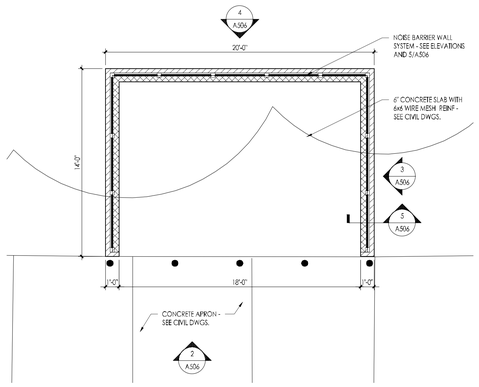
Scale
AS NOTED

Drawing Name
New Connecting Canopy Enlarged Plan and Details

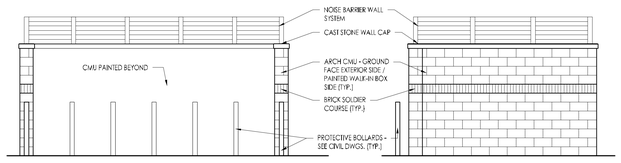
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

Drawing Number
A505A

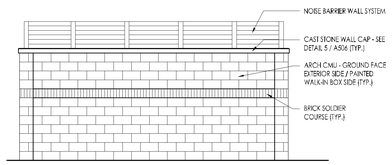


1 Enlarged Floor Plan - Walk-In Enclosure
Scale: 1/4" = 1'-0"

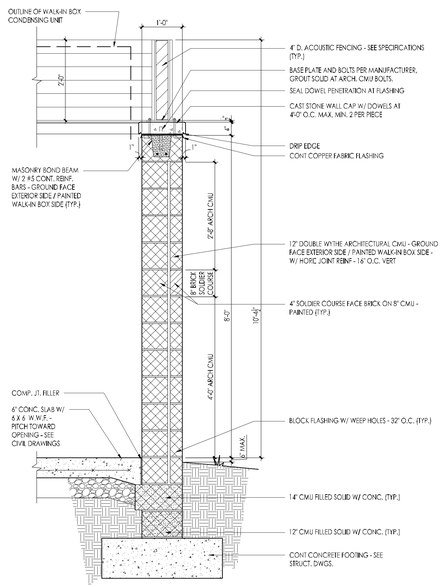


2 Walk-In Enclosure Elevation
Scale: 1/4" = 1'-0"

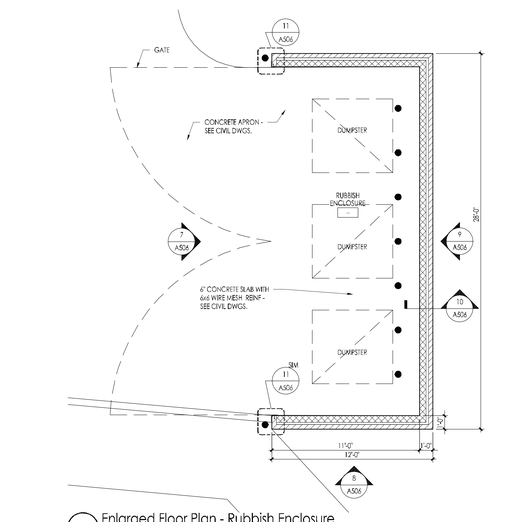
3 Walk-In Enclosure Elevation
Scale: 1/4" = 1'-0"



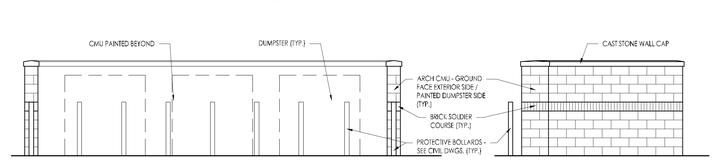
4 Walk-In Enclosure Elevation
Scale: 1/4" = 1'-0"



5 Walk-In Enclosure Section
Scale: 1/4" = 1'-0"

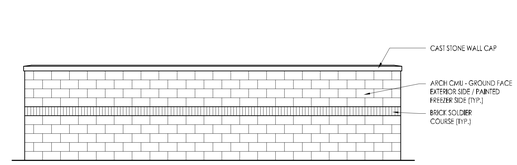


6 Enlarged Floor Plan - Rubbish Enclosure
Scale: 1/4" = 1'-0"

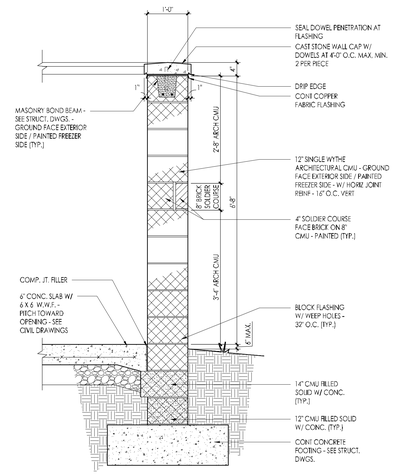


7 Rubbish Enclosure Elevation
Scale: 1/4" = 1'-0"

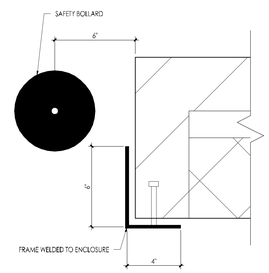
8 Rubbish Enclosure Elevation
Scale: 1/4" = 1'-0"



9 Rubbish Enclosure Elevation
Scale: 1/4" = 1'-0"



10 Rubbish Enclosure Section
Scale: 1/4" = 1'-0"



11 Welded Frame Detail
Scale: 3" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A07706000 | PA - RA012520Y
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI00129700
JASON J. ZDROJEWICH, AIA
NJ - 21AI01770000 | PA - RA426089
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00051100 | PA - RA414055
10/10/25
Date
Architect
FVHD Fellows Vanaria Hopkins Duthie PC
Fraytak Velez Hopkins Duthie PC
Corporate: 15 I 5 Lower Ferry Road
Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue
Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
ETS

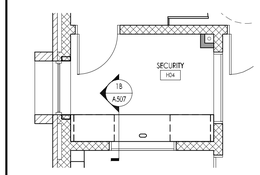
Scale
AS NOTED

Drawing Name
New Waste Receptacle & Walk-In Enclosure Plans, Elevations and Details

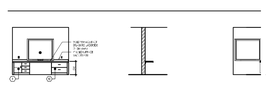
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES

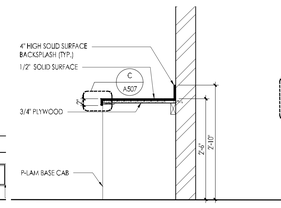
Drawing Number
A506



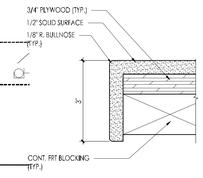
1 Work Counter Plan
Security H04
Scale: 1/4"=1'-0"



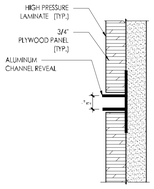
1A Work Counter Elevation
Security H04
Scale: 1/4"=1'-0"



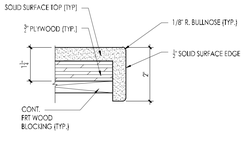
1B Work Counter Sec. Detail
Security H04
Scale: 1/4"=1'-0"



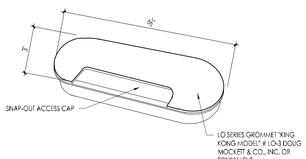
A Edge Detail
Scale: 6"=1'-0"



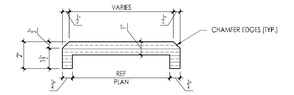
B Reveal Detail
Scale: 6"=1'-0"



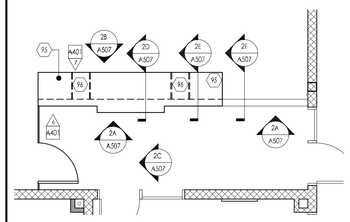
C Edge Detail
Scale: 6"=1'-0"



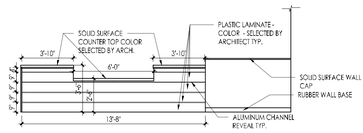
D Grommet Detail
Scale: N.T.S.



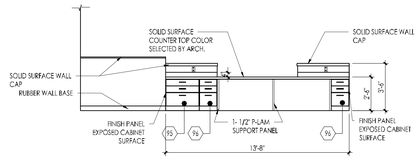
E SOLID SURFACE CAP
Scale: 3" = 1'-0"



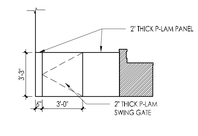
2 Reception Counter Plan
Main Office H01
Scale: 1/4"=1'-0"



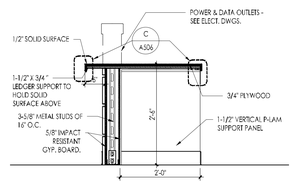
2A Reception Counter Elevation
Main Office H01
Scale: 1/4"=1'-0"



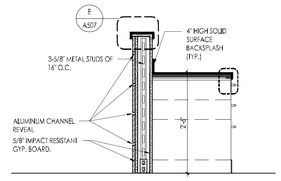
2B Reception Counter Elevation
Main Office H01
Scale: 1/4"=1'-0"



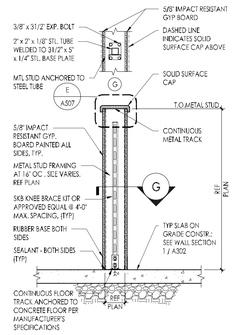
2C Reception Counter Elevation
Main Office H01
Scale: 1/4"=1'-0"



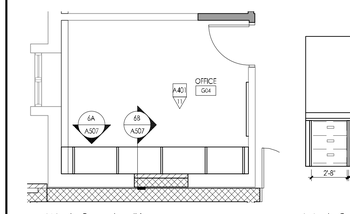
2D Reception Counter Section
Main Office H01
Scale: 3/4"=1'-0"



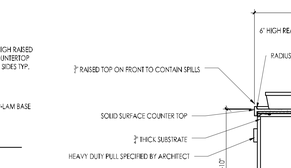
2E Reception Counter Section
Main Office H01
Scale: 3/4"=1'-0"



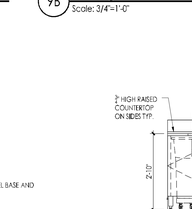
2F Low Wall Section
Main Office H01
Scale: 3/4"=1'-0"



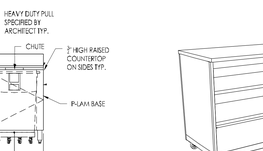
4 Work Counter Plan
Main Office H01
Scale: 1/4"=1'-0"



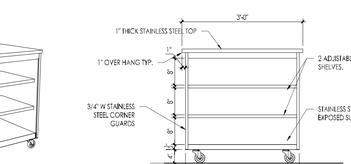
4A Work Counter Elevation
Main Office H01
Scale: 1/4"=1'-0"



4B Work Counter Section
Main Office H01
Scale: 3/4"=1'-0"

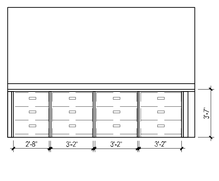


5 Work Counter Plan
Main Office H01
Scale: 1/4"=1'-0"

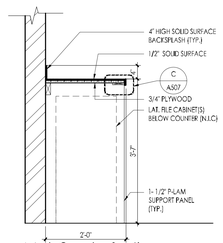


5A Work Counter Elevation
Main Office H01
Scale: 1/4"=1'-0"

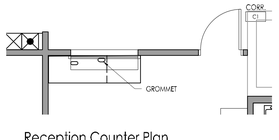
6 Work Counter Plan
Office G04
Scale: 1/4"=1'-0"



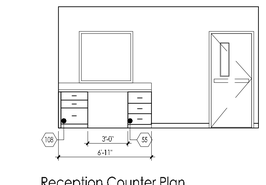
6A Work Counter Elevation
Office G04
Scale: 1/4"=1'-0"



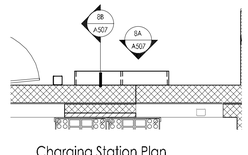
6B Work Counter Section
Office G04
Scale: 1/4"=1'-0"



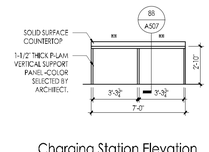
7 Reception Counter Plan
Help Desk C102
Scale: 1/4"=1'-0"



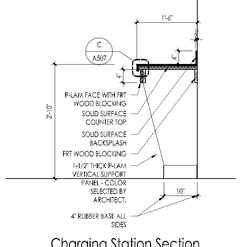
7A Reception Counter Plan
Help Desk C102
Scale: 1/4"=1'-0"



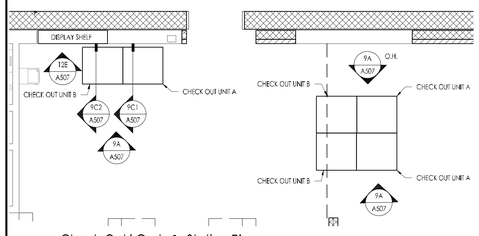
8 Charging Station Plan
New Cafeteria G108A
Scale: 1/4"=1'-0"



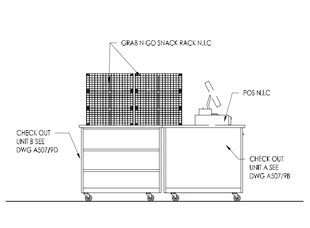
8A Charging Station Elevation
New Cafeteria G108A
Scale: 1/4"=1'-0"



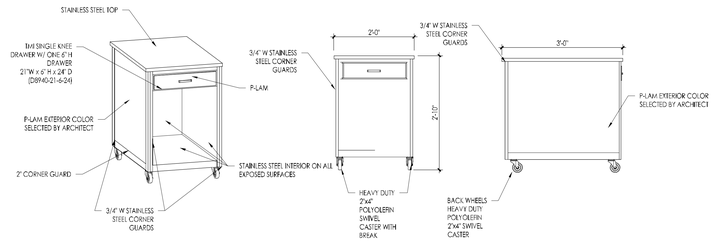
8B Charging Station Section
New Cafeteria G108A
Scale: 3/4"=1'-0"



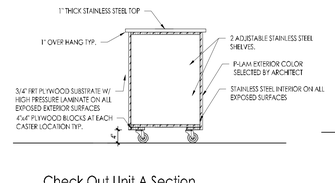
9 Check-Out/ Grab & Station Plan
Serving G109D
Scale: 1/4"=1'-0"



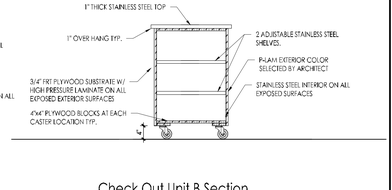
9A Check-Out/ Grab & Station Elevation
Serving G109D
Scale: 1/2"=1'-0"



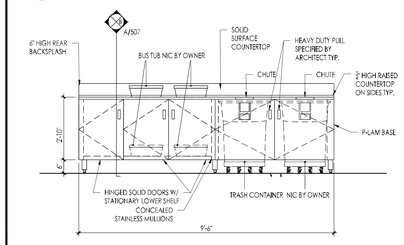
9B Check Out Unit A
Serving G109D
Scale: 3/4"=1'-0"



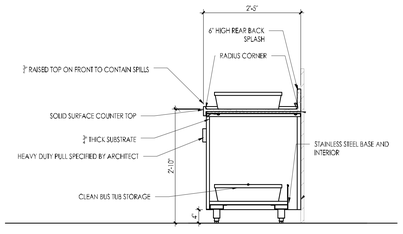
9C1 Check Out Unit A Section
Serving G109D
Scale: 3/4"=1'-0"



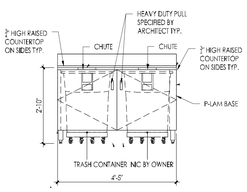
9C2 Check Out Unit B Section
Serving G109D
Scale: 3/4"=1'-0"



10 REMOTE TRAY DROP / TRASH ELEVATION
Scale: 1/2"=1'-0"

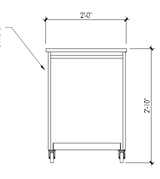


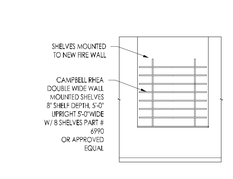
10A REMOTE TRAY DROP / TRASH SECTION
Scale: 1/2"=1'-0"



11 TRASH ELEVATION
Scale: 1/2"=1'-0"

9D Check Out Unit B Elevation
Serving G109D
Scale: 3/4"=1'-0"





12E Display Shelves Elevation
Serving G109D
Scale: 1/4"=1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA , LEED AP
NJ - # MD17960001 | PA - # MD122504
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NJ - # 21AI00179500 | PA - # RA406909
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - # 21AI00200100 | PA - # RA411435
William D. Hopkins 10/10/25
Architect
Date
FVHD Architecture Planning Interiors
Frayjak Velez Hopkins Duthie P.C.
Corporate: 1515 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
KM

Scale
AS NOTED

Drawing Name
Millwork Details

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION

Drawing Number
A507

ROOM FINISH SCHEDULE - BLOCK A - FIRST FLOOR

NUMBER	ROOM NAME	FLOOR	BASE		WAINSCOT		WALL FINISH	CEILING		NOTES
			MAT.	HT.	MAT.	HT.		MAT.	HT.	
C-MDF	FUTURE M.D.F.	VCT-NC	RUB	4"	--	--	ETR-P / GP	EXP-P	--	SEE ROOM FINISH SCHEDULE NOTE 9
C-STI	BULK STOR.	VCT-NC	RUB	4"	--	--	ETR-P / GP	ACB-1	8'-0"	SEE ROOM FINISH SCHEDULE NOTE 9
C-ST2	SECURED I.T. STOR.	VCT-NC	RUB	4"	--	--	ETR-P / GP	ACB-1	8'-0"	SEE ROOM FINISH SCHEDULE NOTE 9
C-ST3	I.T. STORAGE	VCT-NC	RUB	4"	--	--	ETR-P / GP	ACB-1	8'-0"	SEE ROOM FINISH SCHEDULE NOTE 9
C-1	CORR.	ER	ER / RUB	ETR / 4"	--	--	ER / GP	ETR	ETR	SEE ROOM FINISH SCHEDULE NOTE 6
C1-1	CORR.	LVT	RUB	4"	--	--	ETR-P / GP	ACB-1	9'-0"	--
C100	I.T. PASS.	LVT / CPT-1	RUB	4"	--	--	ETR-P / GP	ACB-1	8'-0"	SEE ROOM FINISH SCHEDULE NOTE 1, 2, 9
C101	CLASSROOM	ER	ER / RUB	ETR / 4"	--	--	EX BRICK / ETR-P / GP	ETR	ETR	--
C102	HELP DESK	CPT-1	RUB	4"	--	--	ETR-P / GP	ACB-1	8'-0"	SEE ROOM FINISH SCHEDULE NOTE 2, 9
C103	I.T. OFFICE	CPT-1	RUB	4"	--	--	ETR-P / GP	ACB-1	8'-0"	SEE ROOM FINISH SCHEDULE NOTE 9
C103A	CONFERENCE ROOM	CPT-1	RUB	4"	--	--	GP	ACB-1	8'-0"	SEE ROOM FINISH SCHEDULE NOTE 9
C103B	CTO OFFICE	CPT-1	RUB	4"	--	--	GP	ACB-1	8'-0"	SEE ROOM FINISH SCHEDULE NOTE 9
C103C	TLR. RM.	RSF	RSF	4"	FRP	5'-0"	ETR-FP / CEP / GEP	AACB	8'-0"	SEE ROOM FINISH SCHEDULE NOTE 9
C106	I.T. WORKSHOP	VCT-NC	RUB	4"	--	--	ETR-P / GP	ACB-1	8'-0"	SEE ROOM FINISH SCHEDULE NOTE 9
C12	TLR. RM.	RSF	RSF	4"	FRP	5'-0"	ETR-FP / GEP	AACB	8'-0"	SEE ROOM FINISH SCHEDULE NOTE 9
G01B	TLR RM.	RSF	RSF	4"	FRP	5'-0"	ETR-FP / GEP	AACB	8'-0"	--
G01C	TLR RM.	RSF	RSF	4"	FRP	5'-0"	ETR-FP / GEP	AACB	8'-0"	--
G02	PRINCIPAL'S OFFICE	CPT-1	RUB	4"	--	--	EX BRICK / ETR-P / GP	ACB-1	8'-0"	--
G03	OFFICE	CPT-1	RUB	4"	--	--	EX BRICK / ETR-P / GP	ACB-1	8'-0"	--
G04	OFFICE	CPT-1	RUB	4"	--	--	EX BRICK / BRICK / ETR-P / GP	ACB-1	8'-0"	--
G05	PASS.	CPT-1	RUB	4"	--	--	ETR-P / GP	ACB-1 / GP	8'-0"	SEE ROOM FINISH SCHEDULE NOTE 1
G06	CONFERENCE ROOM	CPT-1	RUB	4"	--	--	EX BRICK / BRICK / ETR-P / GP	ACB-1	8'-0"	--
G10	WORKROOM	ER	ER / RUB	ETR / 4"	--	--	ETR / GP	ETR	ETR	--
G2	CORRIDOR	ETR / LVT	ETR / RUB	ETR / 4"	ETR	ETR	ETR / GP	ETR / ACB-1	ETR	SEE ROOM FINISH SCHEDULE NOTE 2
H-A	CORRIDOR	LVT	RUB	4"	--	--	CEP / GP	ACB-1	9'-8"	--
H-B	CORRIDOR	LVT	RUB	4"	--	--	CEP / GP	ACB-1	9'-8"	--
H-C	CORRIDOR	LVT	RUB	4"	--	--	CEP / GP	ACB-1	9'-8"	SEE ROOM FINISH SCHEDULE NOTE 1
H01	MAIN OFFICE	CPT-1	RUB	4"	--	--	CP	ACB-1 / GP	9'-8"	SEE ROOM FINISH SCHEDULE NOTE 1
H02	OFFICE	CPT-1	RUB	4"	--	--	CP	ACB-1	9'-8"	--
H03	OFFICE	CPT-1	RUB	4"	--	--	CP	ACB-1	9'-8"	--
H04	SECURITY	CPT-1	RUB	4"	--	--	CP	ACB-1	9'-8"	--
H05	SECURE VESTIBULE	CSM	RUB	4"	--	--	CP	ACB-1	9'-8"	--
H06	LOBBY	LVT	RUB	4"	--	--	CEP	ACB-2	9'-8"	--
H07	CLASSROOM	LVT	RUB	4"	--	--	CP	ACB-1	9'-8"	--
H08	CLASSROOM	LVT	RUB	4"	--	--	CP	ACB-1	9'-8"	--
H09A	CLASSROOM	LVT	RUB	4"	--	--	CP	ACB-1	9'-8"	SEE ROOM FINISH SCHEDULE NOTE 1
H09B	CLASSROOM	LVT	RUB	4"	--	--	CP	ACB-1	9'-8"	SEE ROOM FINISH SCHEDULE NOTE 1
H10	MECH./ELECT.	CONC-P	RUB	4"	--	--	CEP	EXP-P	11'-4"	SEE ROOM FINISH SCHEDULE NOTE 5
H10A	JAN.	PSF	RUB	4"	FRP	5'-0"	CEP	EXP-P	13'-1"	SEE ROOM FINISH SCHEDULE NOTE 5
H11A	WOMEN'S TLT. RM.	RSF	RSF	4"	FRP	5'-0"	CEP	AACB	8'-6"	--
H11B	MEN'S TLT. RM.	RSF	RSF	4"	FRP	5'-0"	CEP	AACB	8'-6"	--
H11C	STOR. H11C	LVT	RUB	4"	--	--	CP	ACB-1	9'-8"	--
H11D	IDF	LVT	RUB	4"	--	--	CP	ACB-1	8'-6"	--
H12	CLASSROOM	LVT	RUB	4"	--	--	CP	ACB-1	9'-8"	--
H13	CLASSROOM	LVT	RUB	4"	--	--	CP	ACB-1	9'-8"	--
H14	CLASSROOM	LVT	RUB	4"	--	--	CP	ACB-1	9'-8"	--
H51	STAIR	RRT	RUB	4"	--	--	CEP	EXP-P	--	--
H52	STAIR	RRT	RUB	4"	--	--	CEP	EXP-P	--	--

ROOM FINISH SCHEDULE - BLOCK B

NUMBER	ROOM NAME	FLOOR	BASE		WAINSCOT		WALL FINISH	CEILING		NOTES
			MAT.	HT.	MAT.	HT.		MAT.	HT.	
A101	ORCHESTRA ROOM	LVT	--	--	--	6"	BRICK / EX. BRICK / ETR-P / GP	--	--	--
A101A	PRACT.	CPT-1	RUB	4"	--	--	ETR-P / GP	ACB-1	9'-0"	--
A102	BAND ROOM	CPT-1 / LVT	RUB	4"	--	--	BRICK / EX BRICK / ETR-P / GP	--	--	--
A102A	PRACT.	CPT-1	RUB	4"	--	--	ETR-P / CP / GP	ACB-1	9'-0"	--
A103	CHOIR ROOM	LVT	RUB	4"	--	--	ETR-P / GP	--	--	--
AC1	CORRIDOR	ETR	ETR	ETR	--	--	ETR-P	ETR	ETR	--
AC2	CORRIDOR	LVT	RUB	4"	--	--	ETR-FP / GEP	ACB-1	8'-0"	--
G-1	CORRIDOR	LVT	RUB	4"	--	--	CEP	ACB-1	9'-0"	--
G-1A	IDF	LVT	RUB	4"	--	--	EBR-P / CP	EXP-P	ETR	--
G-2	LOBBY	LVT	RUB	4"	--	--	CEP	ACB-1 / GP	9'-0" / 8'-6"	SEE ROOM FINISH SCHEDULE NOTE 1
G10B	CAFETERIA	LVT	RUB	4"	--	--	BRICK / EX. BRICK / ETR-P / CP	ETR-P	ETR	SEE ROOM FINISH SCHEDULE NOTE 8, 10
G10BA	NEW CAFETERIA	LVT	RUB	4"	--	--	CP	DSC-1	13'-0"	SEE ROOM FINISH SCHEDULE NOTE 10
G10BB	MULTI-PURPOSE ROOM	FAS	VXB	4"	--	--	CEP	EXP-P	25'-6"	SEE ROOM FINISH SCHEDULE NOTE 4, 5
G10BC	JAN.	PSF	RSF	4"	--	FRP	CEP	EXP-P	10'-6"	SEE ROOM FINISH SCHEDULE NOTE 5
G10BD	MECH./ELECT.	CONC-P	RUB	4"	--	--	CEP	EXP-P	10'-8"	SEE ROOM FINISH SCHEDULE NOTE 5
G10BE	WOMENS' TLT. RM.	RSF	RSF	4"	FRP	--	CEP	AACB	9'-0"	SEE ROOM FINISH SCHEDULE NOTE 5
G10BF	MENS TLT. RM.	RSE	RSF	4"	FRP	--	CEP	AACB	9'-0"	--
G10BG	STORAGE	CONC-P	RUB	4"	--	--	CP	EXP-P	10'-8"	SEE ROOM FINISH SCHEDULE NOTE 5
G10BD	SERVING	LVT	RUB	4"	--	--	BRICK / EX BRICK / ETR-P / CP	GP	9'-8"	SEE ROOM FINISH SCHEDULE NOTE 8, 10
G33	ENSEMBLE MUSIC	CPT-1	RUB	4"	--	--	ERG-P	ACB-1	9'-8"	--
G34	LIFE SKILLS	LVT	RUB	4"	--	--	ETR-P / CP	ACB-1	9'-6"	SEE ROOM FINISH SCHEDULE NOTE 8
G34A	FACULTY DINING	LVT	RUB	4"	--	--	EBR-P / CP	ACB-1	9'-6"	SEE ROOM FINISH SCHEDULE NOTE 8

ROOM FINISH SCHEDULE - BLOCK A - SECOND FLOOR

NUMBER	ROOM NAME	FLOOR	BASE		WAINSCOT		WALL FINISH	CEILING		NOTES
			MAT.	HT.	MAT.	HT.		MAT.	HT.	
C2-1	CORR.	LVT / RRT	RUB	4"	--	--	ETR-FP / CEP	ACB-1	VARIES	SEE ROOM FINISH SCHEDULE NOTE 1
C201	SOCIAL STUDIES	ER	ER / RUB	ETR / 4"	--	--	ETR / GP	ETR	ETR	SEE ROOM FINISH SCHEDULE NOTE 7
C202	SCI.	LVT	RUB	4"	--	--	ETR-P / CP / GP	ACB-1	9'-8"	--
C202A	FAN ROOM	LVT	RUB	4"	--	--	ETR-P / CP / GP	ACB-1	9'-8"	--
C203	ENGLISH	ER	ER / RUB	ETR / 4"	--	--	ETR / GP	ETR	ETR	SEE ROOM FINISH SCHEDULE NOTE 7
H21	SCIENCE CLASSROOM	LVT	RUB	4"	--	--	CP	ACB-1	9'-8"	--
H22	SCIENCE CLASSROOM	LVT	RUB	4"	--	--	CP	ACB-1	9'-8"	--
H23	STOR. / ROOF ACCESS	CONC-P	RUB	4"	--	--	CP	EXP-P	13'-3"	SEE ROOM FINISH SCHEDULE NOTE 5
H24	CLASSROOM	LVT	RUB	4"	--	--	CP	ACB-1	9'-8"	--
H25	CLASSROOM	LVT	RUB	4"	--	--	CP	ACB-1	9'-8"	--
H26A	CLASSROOM	LVT	RUB	4"	--	--	CP	ACB-1	9'-8"	SEE ROOM FINISH SCHEDULE NOTE 1
H26B	CLASSROOM	LVT	RUB	4"	--	--	CP	ACB-1	9'-8"	SEE ROOM FINISH SCHEDULE NOTE 1
H27	MECH. / ELECT.	CONC-P	RUB	4"	--	--	CP	EXP-P	13'-1"	SEE ROOM FINISH SCHEDULE NOTE 5
H27A	JAN.	PSF	RSF	4"	FRP	5'-0"	CEP	EXP-P	13'-1"	SEE ROOM FINISH SCHEDULE NOTE 5
H28A	WOMEN'S TLT. RM.	PSF	RSF	4"	FRP	5'-0"	CEP	AACB	8'-6"	--
H28B	MEN'S TLT. RM.	PSF	RSF	4"	FRP	5'-0"	CEP	AACB	8'-6"	--
H28C	STORAGE	CONC-P	RUB	4"	--	--	CP	EXP-P	13'-1"	SEE ROOM FINISH SCHEDULE NOTE 5
HC-1	CORRIDOR	LVT	RUB	4"	--	--	CEP / GP	ACB-1 / GP	9'-0" / 8'-6"	SEE ROOM FINISH SCHEDULE NOTE 1
HC-2	CORRIDOR	LVT	RUB	4"	--	--	CEP / GP	ACB-1	9'-0"	--
H51	STAIR	RRT	RUB	4"	--	--	CEP	ACB-1	9'-8"	--
H52	STAIR	RRT	RUB	4"	--	--	CEP	ACB-1	9'-8"	--
ST1	SCIENCE PREP.	LVT	RUB	4"	--	--	CP	ACB-1	9'-0"	--

GENERAL FINISH NOTES:

A. SEE SPECIFICATION FOR ADDITIONAL INFORMATION ON MATERIALS / MANUFACTURER / PERFORMANCE AND WARRANTY INFORMATION.
B. MATERIALS LISTED ON THE FINISH SCHEDULE REFER TO THE MAJORITY OF WALLS, FLOOR AND CEILING OF ROOMS SCHEDULED. REFER TO PLANS, DETAILS, INTERIOR ELEVATIONS, CEILING PLANS AND NOTES FOR THOSE MATERIALS NOT INDICATED ON THE SCHEDULE BUT ARE STILL REQUIRED IN THE ROOM.
C. ALL CLASSROOMS TO RECEIVE AN ACCENT PAINT COLOR AT TEACHING WALL.

ABBREVIATIONS

AACB	- ACRYLIC ACOUSTIC CEILING BOARD (2' x 4')
ACB-1	- ACOUSTIC CEILING BOARD TYPE 1 (2' x 4' ETP.)
ACB-2	- ACOUSTIC CEILING BOARD TYPE 1 (2' x 2' ETP.)
CEP	- CONCRETE MASONRY UNIT - EPOXY PAINTED
CONC-P	- CONCRETE PAINTED
CP	- CONCRETE MASONRY UNIT - PAINTED
ETR	- EXISTING TO REMAIN
ETR-P	- EXISTING TO REMAIN - PAINTED
ETR-EP	- EXISTING TO REMAIN - EPOXY PAINTED
EXP-P	- EXPOSED CONSTRUCTION - PAINTED
FRP	- FIBERGLASS REINFORCED PLASTIC
GEP	- GYPSUM BOARD - EPOXY PAINTED
GP	- GYPSUM BOARD - PAINTED
LVT	- LUXURY VINYL TILE
RSF	- RESILIENT SHEET FLOORING
RUB	- RUBBER BASE
VCT-NC	- VINYL COMPOSITE TILE - NON-CONDUCTIVE
VRB	- VENTED RUBBER BASE

ROOM FINISH SCHEDULE NOTES:

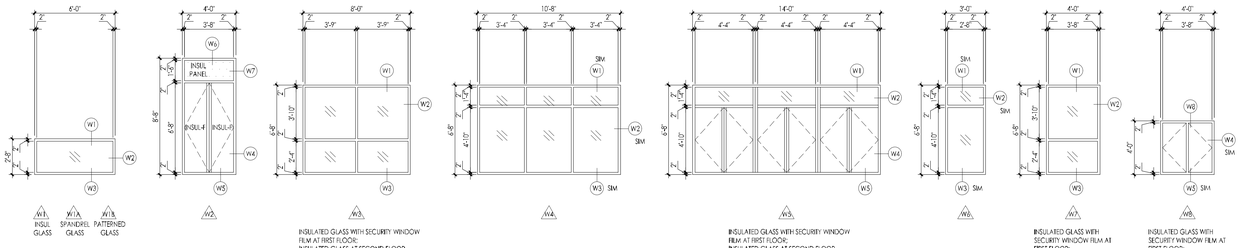
1. CEILING HEIGHT / MATERIAL VARIES - SEE REFLECTED CEILING PLAN.
2. NEW CEILING HEIGHT TO MATCH EXISTING.
3. FLOOR MATERIAL VARIES - SEE ROOM LAYOUT.
4. ACOUSTICAL PANELS - SEE ROOM LAYOUT AND INTERIOR ELEVATIONS.
5. CEILING HEIGHT IS TO UNDERSIDE OF EXPOSED STRUCTURE ABOVE.
6. NEW FINISHES SHALL APPLY TO NEW WALLS, ETC. EXISTING FINISHES SHALL REMAIN. NEW FINISHES TO MATCH EXISTING.
7. PATCH ALL FINISHES TO MATCH EXISTING ADJACENT SURFACES.
8. PAINT EXISTING WALL TILE - SEE SPECIFICATION.
9. WORK IS UNDER ALTERNATE BID MS-4.
10. PROVIDE AND INSTALL QUARTZ TILE FLOORING AND BASE IN LIEU OF LVT FLOORING AND RUBBER BASE UNDER ALTERNATE BID MS-1.

DOOR AND FRAME SCHEDULE - BLOCK A - FIRST FLOOR

DR NO	DOOR LOCATION	DOOR				FRAME					HARDWARE	RATING	SIGN TYPE	NOTES
						TYPE	MATL	DETAIL						
		SIZE	TYPE	MATL	GLAZING			HEAD	JAMB	SADDLE				
C-MDF	FUTURE M.D.F. / C-MDF	3'-0" x 7'-0"	A	WD	--	HA	HM	HH10	JH10	SE	STO-01.3	--	8	SEE DOOR SCHEDULE NOTE 2, 17
C-STI	BULK STOR. C-STI	2'-8 4-0" x 7'-0"	A	WD	--	HB	HM	HH10	JH10	S4	STO-02	--	8	SEE DOOR SCHEDULE NOTE 2, 17
C-ST2	SECURED I.T. STOR. C-ST2	3'-0" x 7'-0"	A	WD	--	HA	HM	HH10	JH10	S4	STO-01.3	--	8	SEE DOOR SCHEDULE NOTE 2, 17
C-ST3	I.T. STORAGE C-ST3	3'-0" x 7'-0"	A	WD	--	HA	HM	HH10	JH10	S4	STO-01.4	--	8	SEE DOOR SCHEDULE NOTE 2, 17
C01-1	HELP DESK C102	5'-0" x 4'-0"	F	SS	--	--	--	HH12	JH12	S9	00A	20 MIN.	--	SEE DOOR SCHEDULE NOTE 14, 17
C100	I.T. PASS. C100	2 @ 3'-0" x 7'-0"	B	WD	FRIG-1-F	HB	HM	HH10	JH10	S4	EXD-2B	20 MIN.	8	SEE DOOR SCHEDULE NOTE 2, 17
C102A	HELP DESK C102	5'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH10	JH10	S2	CLA-01	--	8	SEE DOOR SCHEDULE NOTE 11, 17
C102B	HELP DESK C102	3'-0" x 7'-0"	B	WD	FRIG-1-F	HA	HM	HH10	JH10	S2	EXD-1B.1	20 MIN.	8	SEE DOOR SCHEDULE NOTE 2, 17
C103	I.T. OFFICE C103	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH10	JH10	S1	OF-01.4	--	8	SEE DOOR SCHEDULE NOTE 2,11, 17
C103A	CONFERENCE ROOM C103A	5'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH10	JH10	S1	CLA-01	--	8	SEE DOOR SCHEDULE NOTE 11, 17
C103B	CTO OFFICE C103B	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH10	JH10	S1	OF01.4	--	8	SEE DOOR SCHEDULE NOTE 2,11, 17
C103C	TLR. RM. C103C	3'-0" x 7'-0"	A	HM	--	HA	HM	HH11	JH11	S2	BS-01	--	29	SEE DOOR SCHEDULE NOTE 2
C106	I.T. WORKSHOP C106	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH10	JH10	S4	OF-01	--	8	SEE DOOR SCHEDULE NOTE 11, 17
C12	TLR. RM. C12	3'-0" x 7'-0"	A	WD	--	HA	HM	HH10	JH10	S4	BS-01	--	29	SEE DOOR SCHEDULE NOTE 17
CC-1	I.T. PASS. C100	2 @ 3'-0" x 7'-0"	B	FRP	INSUL-F	AJ	AL	HA2	JA2	S6	EXD-EXT-2D	--	3	SEE DOOR SCHEDULE NOTE 1, 2, 17
CS1.1	STAIR CS1	3'-0" x 7'-0"	ETR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	00	ETR	4	--
G-1-A	IDF G-1A	3'-0" x 7'-0"	A	WD	--	HA	HM	HH10	JH10	S2	BS-01	--	29	--
G01C	TLR RM. G01C	3'-0" x 7'-0"	A	WD	--	HA	HM	HH10	JH10	S2	TRS-01	--	29	--
G02	PRINCIPAL'S OFFICE G02	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH10	JH10	S1	OF-01	--	8	SEE DOOR SCHEDULE NOTE 11
G03	OFFICE G03	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH10	JH10	S1	OF-01	--	8	SEE DOOR SCHEDULE NOTE 11
G04	OFFICE G04	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH10	JH10	S1	OF-01	--	8	SEE DOOR SCHEDULE NOTE 11
G05	PASS. G05	3'-0" x 7'-0"	D	WD	FRIG-1	HA	HM	HH3	JH3	S1	OF-01.3	90 MIN.	--	SEE DOOR SCHEDULE NOTE 3
G06-1	CONFERENCE ROOM G06	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH10	JH10	S1	OF-01	--	8	SEE DOOR SCHEDULE NOTE 11
G06-2	CONFERENCE ROOM G06	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH10	JH10	S1	OF-01	--	8	SEE DOOR SCHEDULE NOTE 11
G1	CORRIDOR G1	3'-0" x 7'-0"	E	FRP	INSUL-F	AL	AL	--	--	S6	EXD-EXT-ND.1	--	4, 19	--
H-A-1	CORRIDOR H-A	2 @ 3'-0" x 7'-0"	E	FRP	INSUL-F	AE	AL	HA1	JA1	S6	EXD-EXT-2D-2	--	4, 19	--
H-A-2	CORRIDOR H-A	2 @ 4'-0" x 7'-0"	D	WD	FRIG-1	HC	HM	HH7	JH7	--	EXD-2G	90 MIN.	3	SEE DOOR SCHEDULE NOTE 3, 12
H-B-1	CORRIDOR H-B	2 @ 4'-0" x 7'-0"	D	WD	FRIG-1	HC	HM	HH8	JH8	--	EXD-2G	90 MIN.	3	SEE DOOR SCHEDULE NOTE 3, 12
H-C-1	CORRIDOR H-C	2 @ 3'-0" x 7'-0"	E	FRP	INSUL-F	AH	AL	HA1	JA1	S6	EXD-EXT-2D	--	1, 2, 3	SEE DOOR SCHEDULE NOTE 1, 2, 6
H01-1	MAIN OFFICE H01	3'-0" x 7'-0"	B	WD	TPG-F	HF	HM	HH2 / HH2A	JH2 / JH2A	S2	OF-01.2	--	8	SEE DOOR SCHEDULE NOTE 2, 6, 11
H01-2	MAIN OFFICE H01	3'-0" x 7'-0"	B	WD	TPG-F	HD1	HM	HH2 / HH2A	JH2 / JH2A	S2 / S5A	OF-01.2	--	8	SEE DOOR SCHEDULE NOTE 2, 3, 6, 10, 11
H02	OFFICE H02	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH1	JH1	S1	OF-01	--	8	SEE DOOR SCHEDULE NOTE 11
H03	OFFICE H03	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH1	JH1	S1	OF-01	--	8	SEE DOOR SCHEDULE NOTE 11
H04-1	SECURITY H04	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH2	JH2	S1	OH-01.3	--	8	SEE DOOR SCHEDULE NOTE 3, 11
H04-2	SECURITY H04	3'-0" x 3'-10"	--	--	ETG	HO	HM	HH3A	JH3A	--	SL-01	--	8	SEE DOOR SCHEDULE NOTE 3
H04-3	SECURITY H04	4'-8" x 4'-2"	--	--	BRG	HG	HM	HH13	JH13	S10	00A	--	8	SEE DOOR SCHEDULE NOTE 3
H05-1	SECURE VESTIBULE H05	3'-0" x 7'-0"	E	FRP	INSUL-F	AC	AL	HA1	JA1	S6	EXD-EXT-1B	--	32	SEE DOOR SCHEDULE NOTE 2, 6, 9, 13
H05-2	SECURE VESTIBULE H05	3'-0" x 7'-0"	B	WD	TPG-F	HH	HM	HH2 / HH2A	JH2 / JH2A	S4	EXD-1B.2	--	3	SEE DOOR SCHEDULE NOTE 6, 10 11, 13
H06-1	LOBBY H06	2 @ 3'-0" x 7'-0"	E	FRP	INSUL-F	AD	AL	HA1	JA1	S6	EXD-EXT-2B	--	1, 2, 3, 35	SEE DOOR SCHEDULE NOTE 1, 2, 6, 13
H06a-2	LOBBY H06	2 @ 3'-0" x 7'-0"	B	WD	TPG-F	HE	HM	HH2	JH2	--	EXD-2B.1	--	3	SEE DOOR SCHEDULE NOTE 2, 6, 11, 13
H07	CLASSROOM H07	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH2	JH2	--	CRS-03.1	--	10	SEE DOOR SCHEDULE NOTE 11
H08	CLASSROOM H08	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH2	JH2	--	CRS-03.1	--	10	SEE DOOR SCHEDULE NOTE 11
H09A	CLASSROOM H09A	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH2	JH2	--	CRS-03.1	--	10	SEE DOOR SCHEDULE NOTE 11
H09B	CLASSROOM H09B	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH2	JH2	--	CRS-03.1	--	10	SEE DOOR SCHEDULE NOTE 11
H10	MECH./ELECT. H10	3'-0" x 7'-0"	A	HM	--	HA	HM	HH2	JH2	S4	STO-01	--	8	--
H10A	JAN. H10A	3'-0" x 7'-0"	A	WD	--	HA	HM	HH2	JH2	S4	STO-01	--	8	--
H11A	MEN'S ELT. RM. H11B	3'-0" x 7'-0"	A	WD	--	HA	HM	HH2	JH2	S4	TRM-02	--	12	--
H11B	MENS ELT. RM. H11B	3'-0" x 7'-0"	A	WD	--	HA	HM	HH2	JH2	S4	TRM-02	--	11	--
H11C	STOR. H11C	3'-0" x 7'-0"	A	WD	--	HA	HM	HH2	JH2	--	STO-01	--	8	--
H11D	IDF H11D	3'-0" x 7'-0"	A	WD	--	HA	HM	HH2	JH2	--	STO-01	--	8	--
H12	CLASSROOM H12	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH2	JH2	--	CRS-03.1	--	10	SEE DOOR SCHEDULE NOTE 11
H13	CLASSROOM H13	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH2	JH2	--	CRS-03.1	--	10	SEE DOOR SCHEDULE NOTE 11
H14	CLASSROOM H14	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH2	JH2	--	CRS-03.1	--	10	SEE DOOR SCHEDULE NOTE 11
H51-1	STAIR H51	3'-6" x 7'-0"	C	WD	FRIG-1	HA	HM	HH2	JH2	S3	EXD-1B	60 MIN.	3	SEE DOOR SCHEDULE NOTE 8
H51-2	STAIR H51	2 @ 3'-0" x 7'-2"	E	FRP	INSUL-F	AB	AL	HA1	JA1	S6	EXD-EXT-2D.1	--	3	SEE DOOR SCHEDULE NOTE 8
H52-1	STAIR H52	3'-6" x 7'-0"	C	WD	FRIG-1	HA	HM	HH2	JH2	S3	EXD-1D	60 MIN.	3	SEE DOOR SCHEDULE NOTE 8
H52-2	STAIR H52	3'-4" x 7'-0"	E	FRP	INSUL-F	AG	AL	HA1	JA1	S6	EXD-EXT-1D	--	6	SEE DOOR SCHEDULE NOTE 1

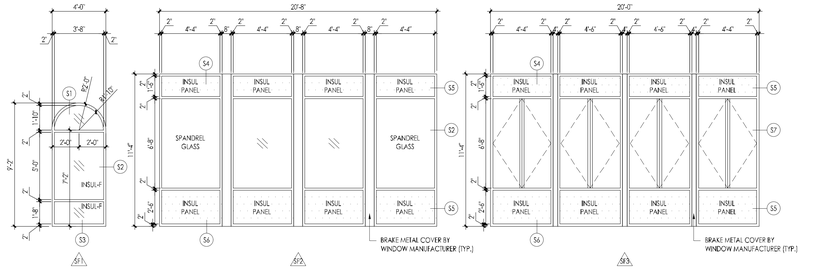
DOOR AND FRAME SCHEDULE - BLOCK B

DR NO	DOOR LOCATION	DOOR				FRAME					HARDWARE	RATING	SIGN TYPE	NOTES
						TYPE	MATL	DETAIL						
		SIZE	TYPE	MATL	GLAZING			HEAD	JAMB	SADDLE				
A101	ORCHESTRA ROOM A101	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH11	JH11	S2	EXD-1D.1	--	8	SEE DOOR SCHEDULE NOTE 11
A101A	PRACT. A101A	3'-0" x 7'-0"	B	WD	TPG	HD3	HM	HH11	JH11	S2	CRS-03.1	--	8	SEE DOOR SCHEDULE NOTE 6
A102	BAND ROOM A102	2 @ 3'-0" x 7'-0"	B	WD	TPG-F	HB	HM	HH10	JH10	S2	EXD-2F.4	--	8	SEE DOOR SCHEDULE NOTE 11
A102A	PRACT. A102A	3'-0" x 7'-0"	B	WD	TPG	HD4	HM	HH10	JH10	S1	CRS-6D	--	8	SEE DOOR SCHEDULE NOTE 6
A103-1	CHOIR ROOM A103	2 @ 3'-0" x 7'-0"	B	WD	TPG-F	HB	HM	HH10	JH10	--	EXD-2F.4	--	8	SEE DOOR SCHEDULE NOTE 11
G-1-A	IDF G-1A	3'-0" x 7'-0"	A	HM	--	HA	HM	HH2	JH2	--	STO-01	20 MIN.	8	SEE DOOR SCHEDULE NOTE 2
G-2-1	LOBBY G-2	2 @ 3'-0" x 7'-0"	E	FRP	INSUL-F	AL	AL	--	--	S6	EXD-EXT-2D	--	1, 2, 3	SEE DOOR SCHEDULE NOTE 1, 2
G-2-2	LOBBY G-2	2 @ 3'-0" x 7'-0"	E	FRP	INSUL-F	AJ	AL	--	--	S6	EXD-EXT-2G	--	3	--
G-2-3	LOBBY G-2	2 @ 3'-0" x 7'-0"	E	FRP	INSUL-F	AL	AL	--	--	S6	EXD-EXT-2D	--	3	--
G-2-4	LOBBY G-2	2 @ 3'-0" x 7'-0"	D	WD	FRIG-1	HB	HM	HH5	JH5	--	EXD-2G.1	90 MIN.	3	SEE DOOR SCHEDULE NOTE 3
G10B-1	CAFETERIA G10B	5'-0" x 7'-0"	B	WD	FRIG-1-F	HA	HM	HH2	JH2	--	EXD-1D.2	20 MIN.	8	SEE DOOR SCHEDULE NOTE 11
G10B-2	CAFETERIA G10B	3'-0" x 7'-0"	B	WD	FRIG-1-F	HA	HM	HH11	JH11	S4	EXD-1D.1	20 MIN.	8	SEE DOOR SCHEDULE NOTE 11
G10B-3	CAFETERIA G10B	2 @ 3'-0" x 7'-0"	B	WD	FRIG-1-F	HB	HM	HH11	JH11	S4	EXD-2F.1	20 MIN.	8	SEE DOOR SCHEDULE NOTE 11
G10BA-1	NEW CAFETERIA G10BA	2 @ 3'-0" x 7'-0"	B	WD	TPG-F	HB	HM	HH10	JH10	S1	EXD-2F.2	--	8	SEE DOOR SCHEDULE NOTE 11
G10BA-2	NEW CAFETERIA G10BA	3'-0" x 7'-0"	B	WD	TPG-F	HA	HM	HH2	JH2	--	EXD-1D.2	--	8	SEE DOOR SCHEDULE NOTE 11
G10BA-3	NEW CAFETERIA G10BA	4'-0" x 7'-0"	D	WD	FRIG-1	HB	HM	HH5	JH5	--	EXD-2F.3	90 MIN.	--	SEE DOOR SCHEDULE NOTE 3
G10BA-4	NEW CAFETERIA G10BA	4'-0" x 7'-0"	D	WD	FRIG-1	HA	HM	HH5	JH5	--	EXD-1E	90 MIN.	--	SEE DOOR SC



Window Types

Scale: 1/4" = 1'-0"



Storefront Types

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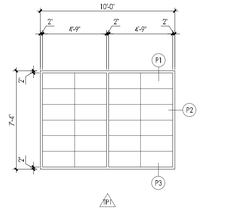
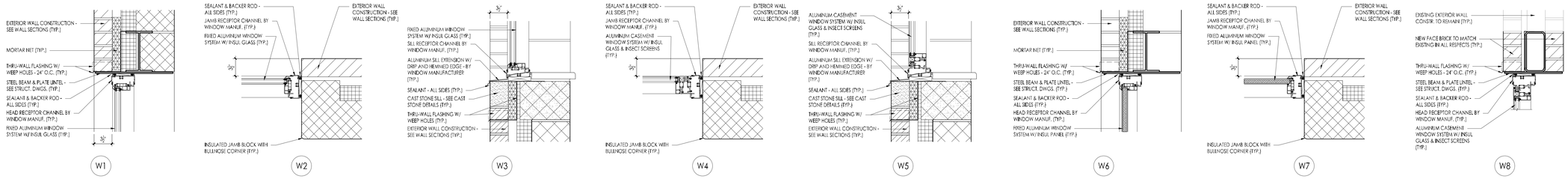


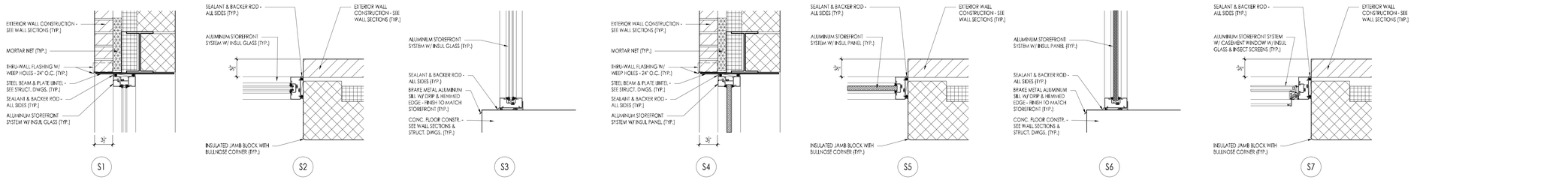
Insulated Translucent Fiberglass Sandwich Panel Types

Scale: 1/4" = 1'-0"



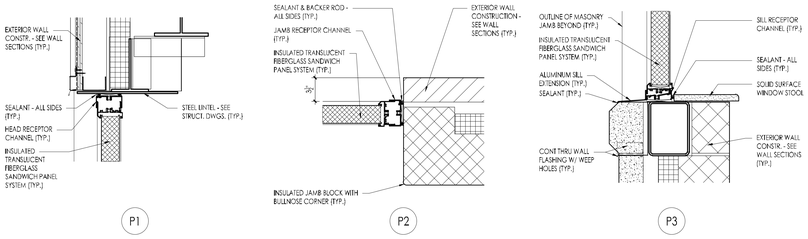
Window Details

Scale: 1-1/2" 1'-0"



Storefront Details

Scale: 1-1/2" 1'-0"



Translucent Panel Details

Scale: 1-1/2" 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI07706000 | PA - RA012501
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI00412700
JASON J. ZYDNIK, AIA
NJ - 21AI00412700 | PA - RA406080
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AI00051000 | PA - RA410455
Architect
Date
10/10/25
FVHD Fabiano Viscomi Frantzek Velez Hopkins Duthie P.C.
Corporate: 15 15 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name

Addition and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Lane, Princeton, NJ 08540

Project Number

5516B

Project Date

10.10.2025

Checked By

GRD

Drawn By

NEH

Scale

AS NOTED

Drawing Name

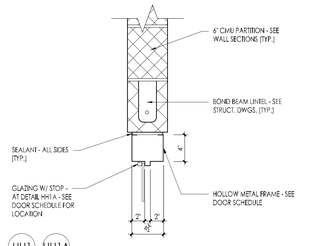
Window, Storefront and Translucent Panel Types and Details

Revisions

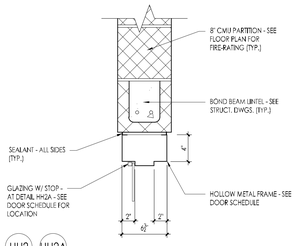
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION

Drawing Number

A602



HH1 HH1A



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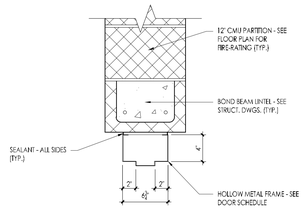
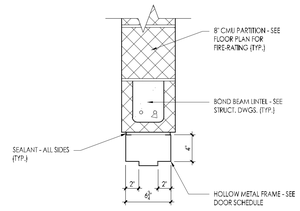


HH3



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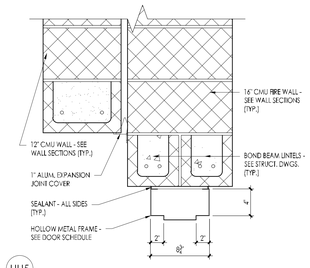

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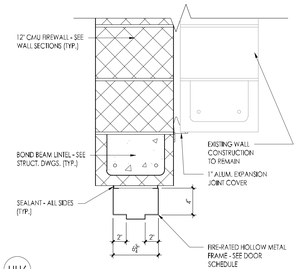

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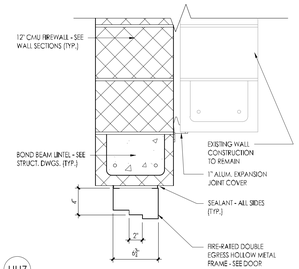

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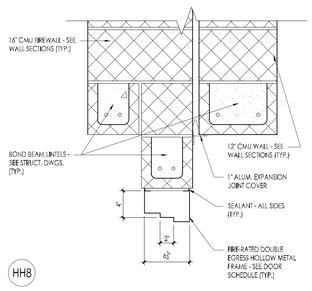
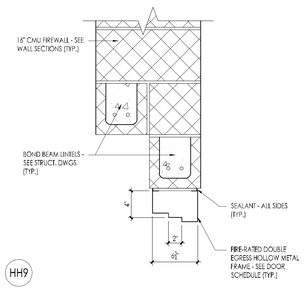


HH8



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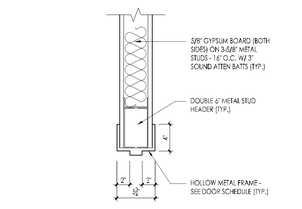

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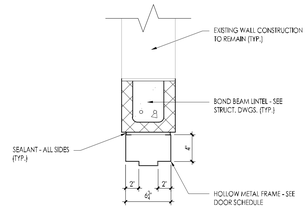

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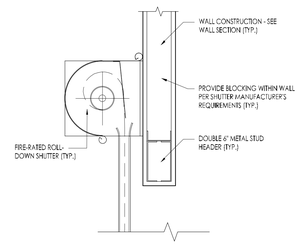

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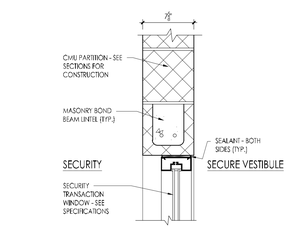
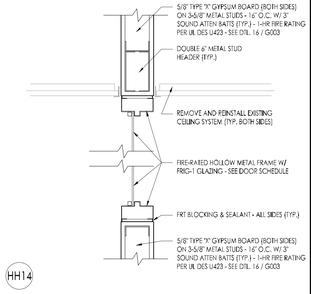


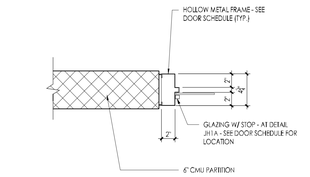
HH13



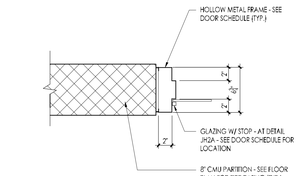
HH14

Hollow Metal Head Details

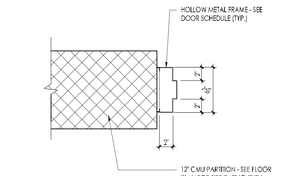
Scale: 1-1/2" = 1'-0"



JH1 JH1A



JH2 JH2A



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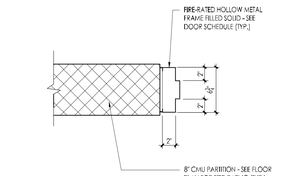

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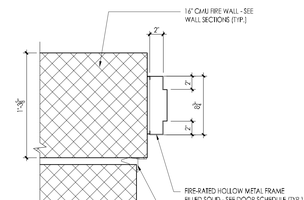

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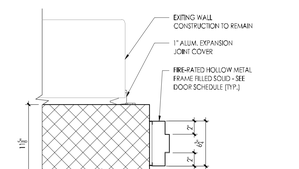

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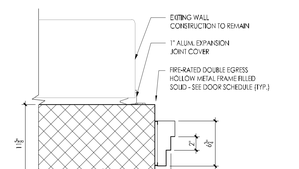

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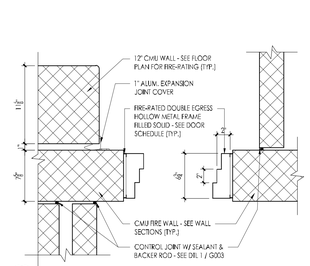

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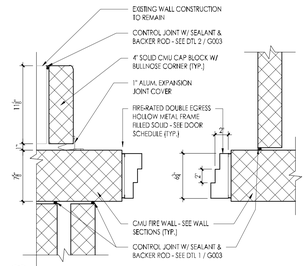

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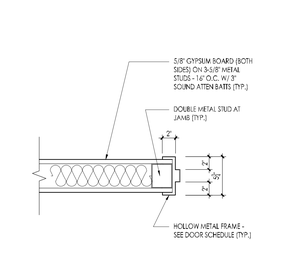

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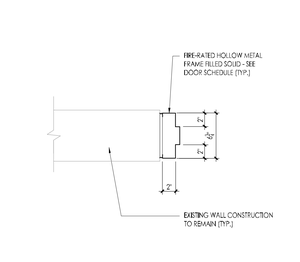

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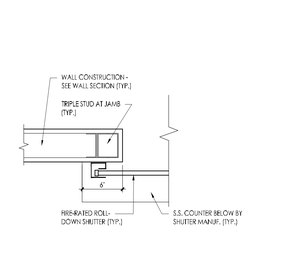

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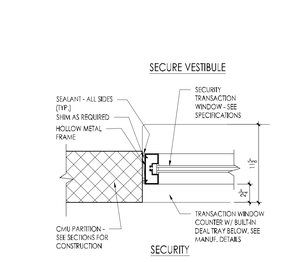

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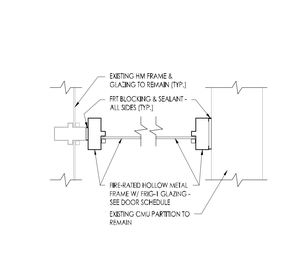
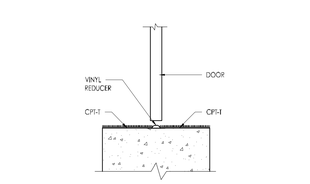


JH14

Hollow Metal Jamb Details

Scale: 1-1/2" = 1'-0"



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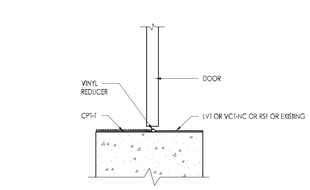

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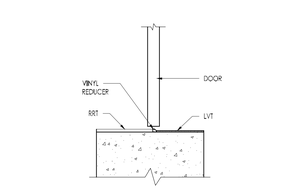

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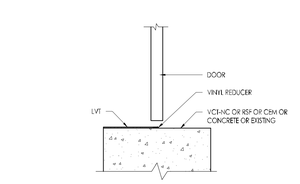
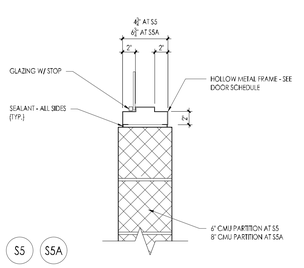


S4



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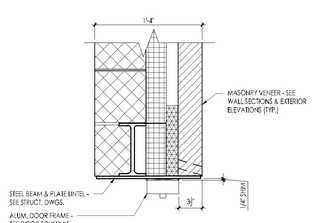

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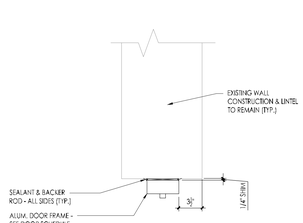

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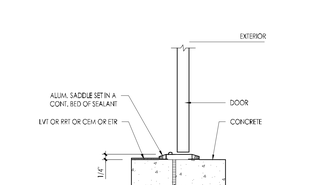

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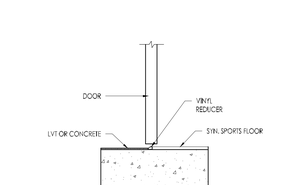

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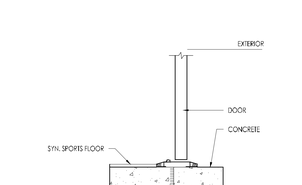

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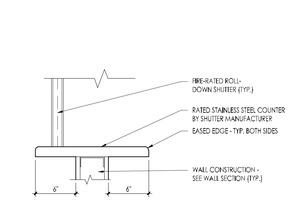

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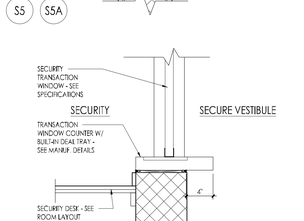

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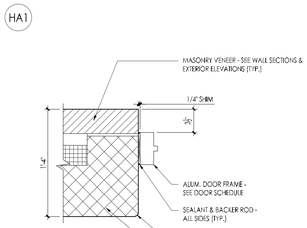

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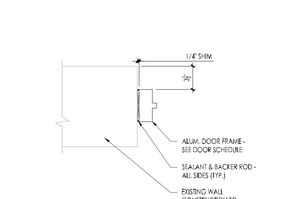


JA2

Saddle Details

Scale: 1-1/2" = 1'-0"

Aluminum Head & Jamb Details

Scale: 1-1/2" = 1'-0"

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A07706001 / PA - RA012501E
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21A04129100
JASON J. BROWITCH, AIA
NJ - 21A07730100 / PA - RA426089
STEPHEN W. SCHREYER, JR., AIA, LEED AP BD+C
NJ - 21AE00051100 / PA - RA414055
10/10/25
Date
Architect

FVHD Fraytak Velez Hopkins Duthie PC
Corporate: 1515 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name

Addition and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Lane, Princeton, NJ 08540

Project Number	5516B
Project Date	10.10.2025
Checked By	GRD
Drawn By	SGS
Scale	AS NOTED

Drawing Name

Door Head & Jamb Details, Saddle Details

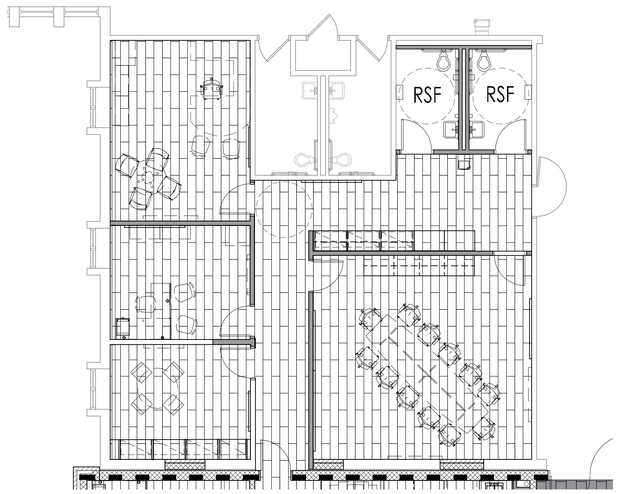
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	NJ DCA RESPONSES

Drawing Number

A603

1 FIRST FLOOR - PARTIAL FLOOR PATTERN
Scale:3/16"=1'-0"



2 FIRST FLOOR - PARTIAL FLOOR PATTERN
Scale:3/16"=1'-0"

LVT LEGEND

- LVT -1
- LVT -2
- LVT -3

CARPET TILE LEGEND

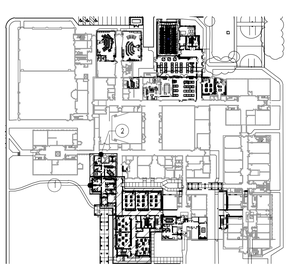
- CPT -1
- CPT -2
- CPT -3

RRT LEGEND

- RRT

CEM LEGEND

- CEM



First Floor Key Plan
Scale:NTS

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ-21AI01706000 | PA-RA015500
GEORGE R. DUTHIE JR., AIA, PP
NJ-21AI01299001
JASON J. DUBOVITCH, AIA
NJ-21AI01700000 | PA-RA416000
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ-21AI02031100 | PA-RA410458
10/10/25
Date
Architect

FVHD Fellows Valesz Hopkins Duthie PC
Frayiak Valesz Hopkins Duthie PC
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F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
KAH,KAM

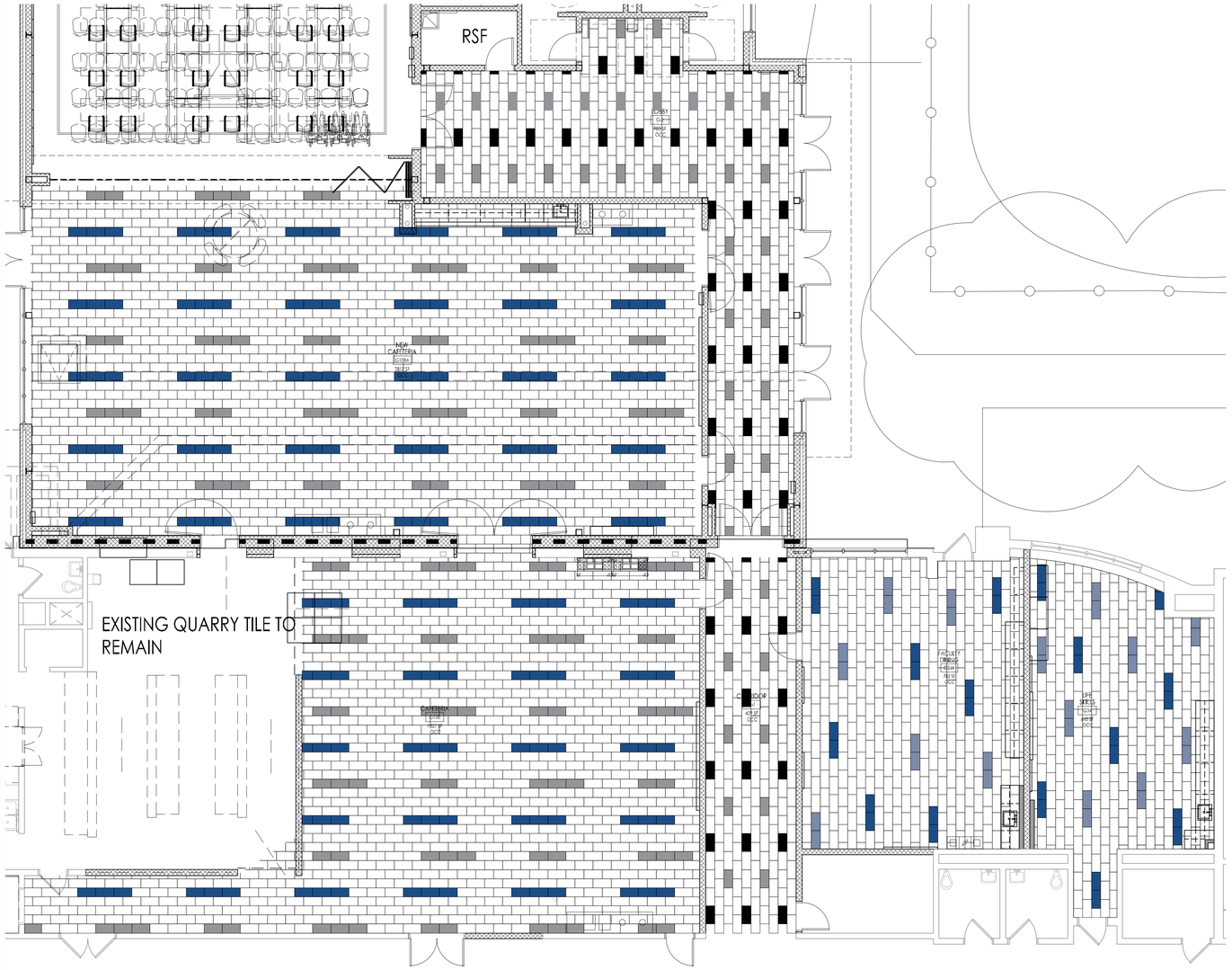
Scale
AS NOTED

Drawing Name
Floor Finish Plans

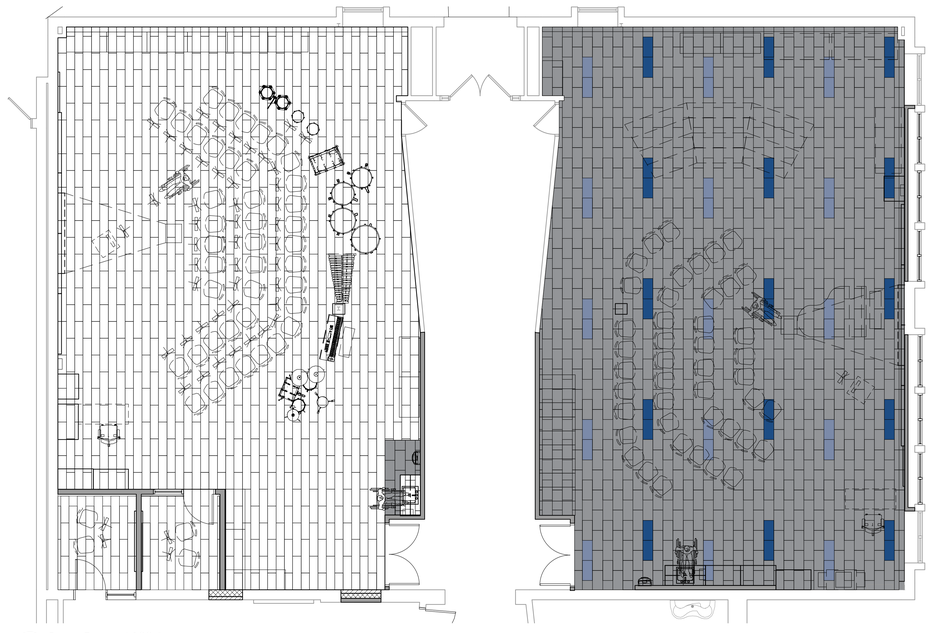
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION

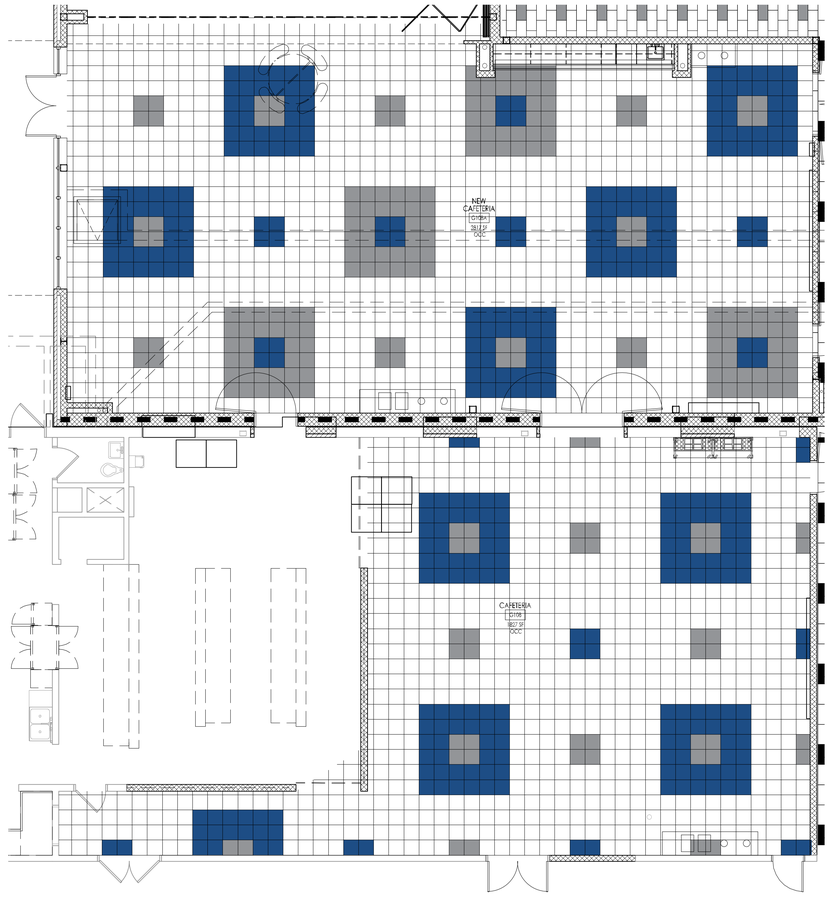
Drawing Number
A701



1 New Cafeteria G108A, Cafeteria G108, Lobby G2 & Corridor G1 - Floor Finish Plan
Scale:3/16"=1'-0"



2 Band Room A102 &
Scale:3/16"=1'-0"



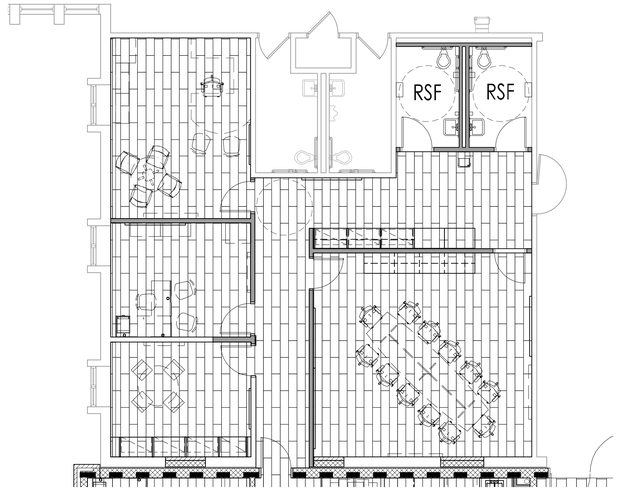
1A New Cafeteria G108A, Cafeteria G108- Floor Finish Plan (Alt Bid No.1)
Scale:3/16"=1'-0"

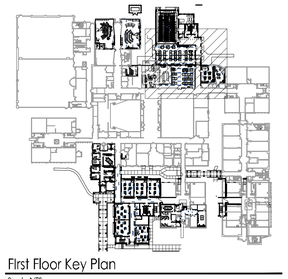
LVT LEGEND

- LVT -1
- LVT -2
- LVT -3

CARPET TILE LEGEND

- CPT -1
- CPT -2
- CPT -3





First Floor Key Plan
Scale:NTS

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA , LEED AP
NJ - 21AI01706000 | PA - RA012500L
GEORGE R. DUTHIE JR., AIA , PP
NJ - 21AI01229700
JASON J. DUBOVITCH, AIA
NJ - 21AI01700000 | PA - RA414058
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21AI02033700 | PA - RA414063
10/10/25
Date
Architect
FVHD Fellows Viesenta Frayiak Velez Hopkins Duthie PC
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Pennsylvania: 140 Whitaker Avenue Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
KAH

Scale
AS NOTED

Drawing Name
Floor Finish Plans

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION

Drawing Number
A702

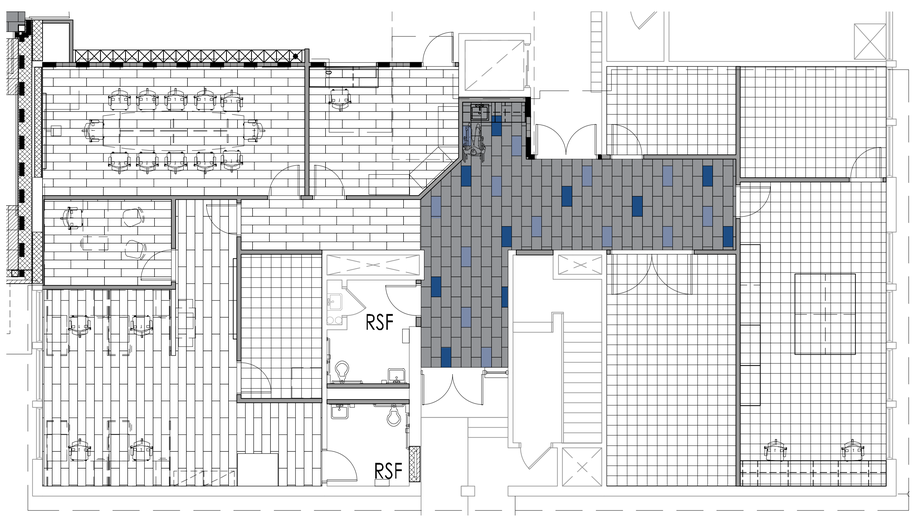
INTERIOR FINISH LEGEND

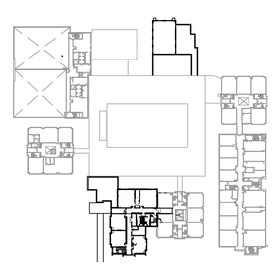
	ACOUSTICAL CEILING SYSTEMS
ACB-1	DESCRIPTION: 2x4 ACOUSTICAL CEILING BOARD MANUF: ARMSTRONG OR APPROVED EQUAL SERIES: 865 ULTIMA HIGH NRC COLOR: WHITE SIZE: 24" x 48" x 7/8" EDGE PROFILE: LAY-IN NOTE: REFER TO SPECIFICATIONS
ACB-2	DESCRIPTION: 2x2 ACOUSTICAL CEILING BOARD MANUF: ARMSTRONG OR APPROVED EQUAL SERIES: ULTIMA HIGH NRC COLOR: WHITE SIZE: 24" x 24" x 7/8" EDGE PROFILE: LAY-IN NOTE: REFER TO SPECIFICATIONS
AACB-1	DESCRIPTION: 2x4 ACOUSTICAL CEILING BOARD MANUF: ARMSTRONG OR APPROVED EQUAL SERIES: 606 CERAGUARD MAX COLOR: WHITE SIZE: 24" x 48" x 5/8" EDGE PROFILE: LAY-IN NOTE: REFER TO SPECIFICATIONS
	DECORATIVE CEILING SYSTEMS
DSC-1	DESCRIPTION: ACOUSTICAL CANOPIES MANUF: ARMSTRONG OR APPROVED EQUAL SERIES: FORMATIONS COLOR: TBD SIZE: 36" x 36" x 1 1/4" NOTE: REFER TO REFLECTED CEILING PLANS FOR LOCATIONS AND SPECIFICATIONS
DSC-1A	DESCRIPTION: ACOUSTICAL CANOPIES MANUF: ARMSTRONG OR APPROVED EQUAL SERIES: FORMATIONS SIZE: SEE RCP NOTE: REFER TO REFLECTED CEILING PLANS FOR LOCATIONS AND SPECIFICATIONS
DSC-2	DESCRIPTION: ACOUSTICAL CANOPIES MANUF: ARMSTRONG OR APPROVED EQUAL SERIES: SOUNDSCAPES ACOUSTICAL CANOPIES SIZE: SEE RCP COLOR: TBD NOTE: REFER TO REFLECTED CEILING PLANS FOR LOCATIONS AND SPECIFICATIONS
	CARPET TILE
CRT-1	MANUF: INTERFACE OR APPROVED EQUAL COLLECTION: NIGHT LIGHTS SERIES/COLOR: TBD SIZE: 9.845" x 39.38" INSTALL METHOD: TBD
CRT-2	MANUF: INTERFACE OR APPROVED EQUAL COLLECTION: ONLINE SERIES/COLOR: TBD SIZE: 9.845" x 39.38" INSTALL METHOD: TBD
CRT-3	MANUF: INTERFACE OR APPROVED EQUAL COLLECTION: ONLINE SERIES/COLOR: TBD SIZE: 9.845" x 39.38" INSTALL METHOD: TBD

	CORNER GUARDS
CG-1	DESCRIPTION: 2" SURFACE MOUNT CORNER GUARD MANUF: INPRO OR APPROVED EQUAL STYLE: 160 HIGH IMPACT CORNER GUARD COLOR: TBD (MANUF. FULL RANGE) DIMENSIONS: 2" WING x 48" H INSTALL: INSTALL WITH PRE-SLOTTED ALUMINUM RETAINER
CG-1	DESCRIPTION: SURFACE-MOUNT END WALL PROTECTOR W/ END CAPS MANUF: INPRO OR APPROVED EQUAL STYLE: 160 HIGH IMPACT END WALL PROTECTOR COLOR: TBD (MANUF. FULL RANGE) DIMENSIONS: 2" WING x 4'H. INSTALL: INSTALL WITH PRE-SLOTTED ALUMINUM RETAINER
	FIBER REINFORCED PLASTIC
FRP-1	MANUF: ALTRO OR APPROVED EQUAL COLLECTION: WHITEROCK COLOR: TBD DIMENSIONS: 4x10 PANELS INSTALL: PROVIDE ACCESSORIES AS SPECIFIED
FRP-2	MANUF: ALTRO OR APPROVED EQUAL COLLECTION: WHITEROCK COLOR: TBD DIMENSIONS: 4x10 PANELS INSTALL: PROVIDE ACCESSORIES AS SPECIFIED
	QUARTZ TILE CONT
QT-1	MANUF: IRPETT OR APPROVED EQUAL (ALT BID) COLLECTION: MEDLEY SERIES/COLOR: 8835 PURPLE RAIN SIZE: 24" x 24" INSTALL METHOD: TBD
QT-2	MANUF: IRPETT OR APPROVED EQUAL (ALT BID) COLLECTION: MEDLEY SERIES/COLOR: 8835 PURPLE RAIN SIZE: 24" x 24" INSTALL METHOD: TBD
QT-3	MANUF: IRPETT OR APPROVED EQUAL (ALT BID) COLLECTION: MEDLEY SERIES/COLOR: 8835 PURPLE RAIN SIZE: 24" x 24" INSTALL METHOD: TBD
	PAINT
P-1	DESCRIPTION: FIELD COLOR WALL PAINT MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: TBD FINISH: SEE COLOR BOOK FOR FINISH
P-2	DESCRIPTION: HOLLOW METAL FRAMES MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: TBD FINISH: SEMI-GLOSS
P-3	DESCRIPTION: ACCENT PAINT MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: TBD FINISH: EGGSHELL

	PAINT CONT
P-4	DESCRIPTION: ACCENT PAINT MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: TBD FINISH: EGGSHELL
P-5	DESCRIPTION: ACCENT PAINT MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: TBD FINISH: EGGSHELL
P-6	DESCRIPTION: CEILING / SOFFIT/DUCT WORK MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: TBD FINISH: FLAT
P-7	DESCRIPTION: CEILING / SOFFIT/DUCT WORK MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: TBD FINISH: FLAT
	LUXURY VINYL TILE CONT
LVT-1	MANUF: PATCRAFT OR APPROVED EQUAL COLLECTION: CMYK SERIES/COLOR: TBD SIZE: 12" x 24" INSTALL METHOD: STAGGERED/ BRICK SEE FINISH PLANS
LVT-2	MANUF: PATCRAFT OR APPROVED EQUAL COLLECTION: CMYK SERIES/COLOR: TBD SIZE: 12" x 24" INSTALL METHOD: STAGGERED/ BRICK SEE FINISH PLANS
LVT-3	MANUF: PATCRAFT OR APPROVED EQUAL COLLECTION: CMYK SERIES/COLOR: TBD SIZE: 12" x 24" INSTALL METHOD: STAGGERED/ BRICK SEE FINISH PLANS
LVT-4	MANUF: PATCRAFT OR APPROVED EQUAL COLLECTION: CMYK SERIES/COLOR: TBD SIZE: 12" x 24" INSTALL METHOD: STAGGERED/ BRICK SEE FINISH PLANS
	STATIC DISSIPATIVE VINYL COMPOSITION TILE
VCT-NC	DESCRIPTION: MEDIA CENTER FLOOR MANUF: ARMSTRONG SERIES/COLOR: TBD SIZE: 12" x 12" INSTALL METHOD: STBD
	PLASTIC LAMINATE
PLAM-1	DESCRIPTION: HIGH PRESSURE LAMINATE MANUF: WILSONART OR APPROVED EQUAL COLOR: TBD
PLAM-2	DESCRIPTION: HIGH PRESSURE LAMINATE MANUF: WILSONART OR APPROVED EQUAL COLOR: TBD

Second Floor - Floor Patterns
Scale:3/16"=1'-0"





Second Floor Key Plan
Scale:NTS

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A01700(00) | PA - RA012500-L
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21A01729(00)
JASON J. DUBOWITCH, AIA
NJ - 21A01744(00) | PA - RA016700
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21A02031(00) | PA - RA410450
10/10/25
Date
Architect

FVHD Fellows Vetsz Hopkins Duthie P.C.
Frayiak Velsz Hopkins Duthie P.C.
Corporate: 1515 Lower Ferry Road Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Addition and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Lane, Princeton, NJ 08540

Project Number
5516B

Project Date
10.10.2025

Checked By
GRD

Drawn By
KAH

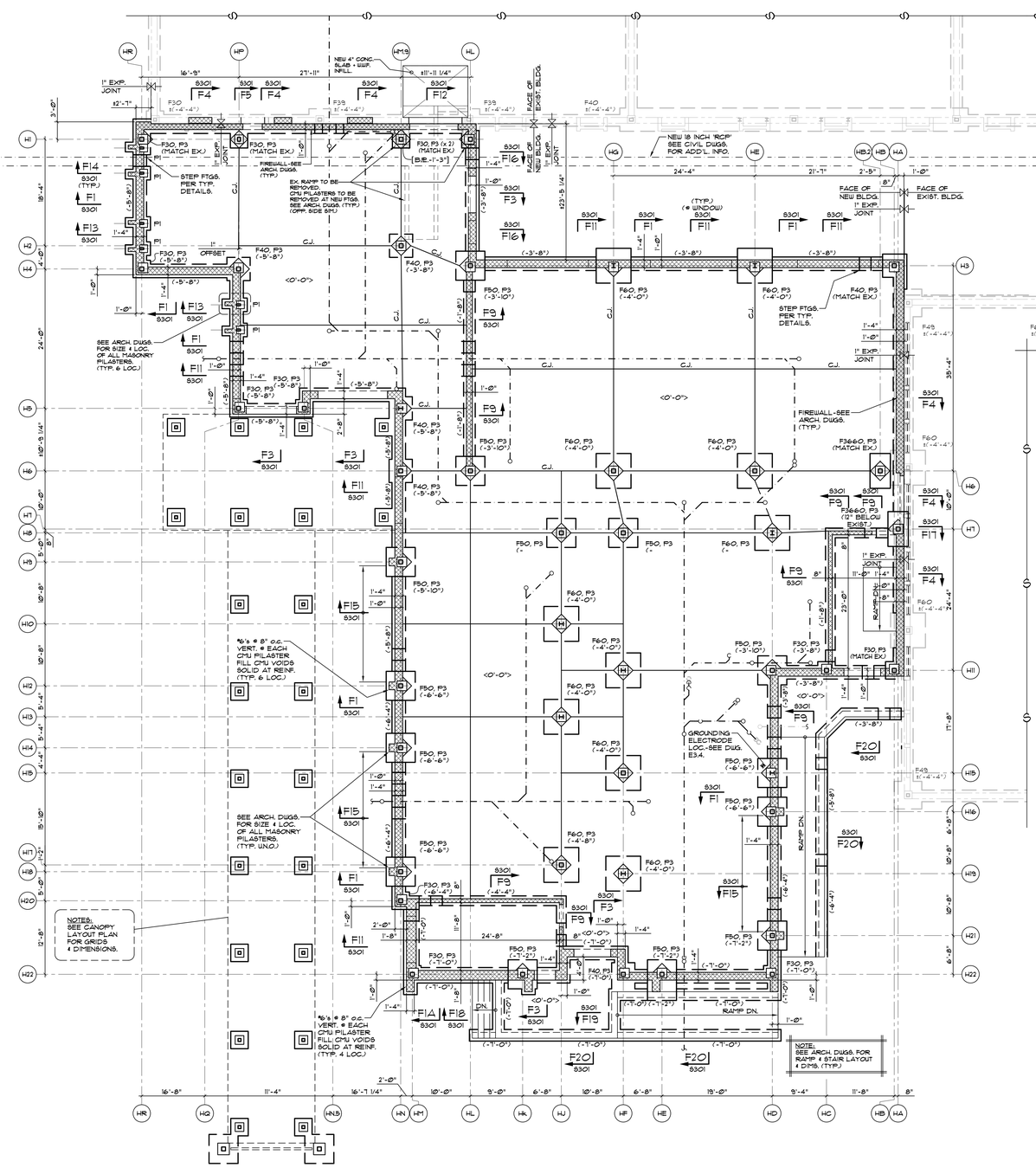
Scale
AS NOTED

Drawing Name
Floor Finish Plans

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION

Drawing Number
A703



BLOCK - A FOUNDATION PLAN

1/8" = 1'-0"

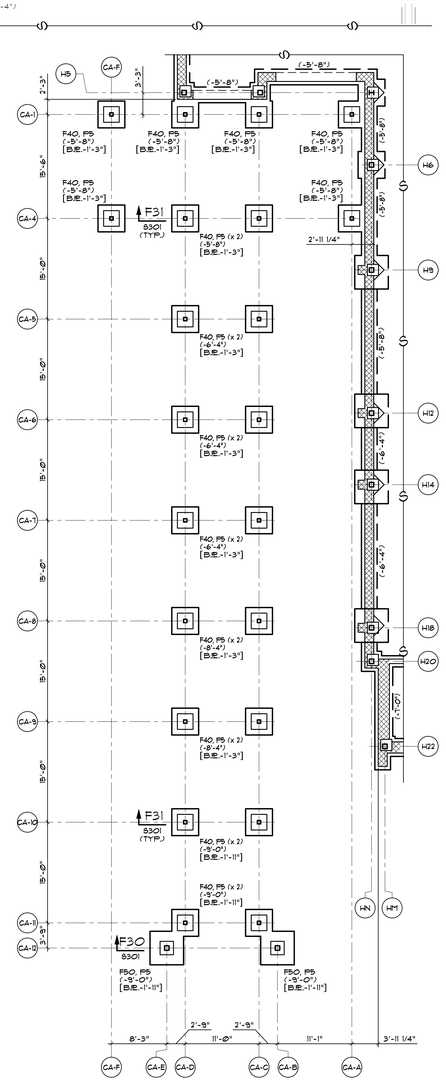
ELEVATION TOP OF FINISHED FLOOR SLAB: + 169.82 REFERRED TO AS DATUM EL. 0'-0" UNLESS OTHERWISE NOTED THUS < > ON PLAN.
FLOOR SLAB: 4" CONC. SLAB, 6x6-W1.4xW1.4 WWF, ON A VAPOR BARRIER OVER 6" MIN. DRAINAGE FILL UNLESS OTHERWISE NOTED.
ELEVATION BOTTOM OF FOOTINGS NOTED THUS ON PLAN BELOW FINISHED FLOOR DATUM EL. 0'-0".
C.J. - INDICATES SLAB CONSTRUCTION OR CONTROL JOINT.
SLAB DEPRESSIONS NOTED THUS [–] ON PLAN FROM TOP OF FLOOR SLAB - SEE ARCH. DWGS. FOR LOCATION & EXTENT.
ANY PENETRATIONS IN SLAB FROM ALL TRADES TO BE FILLED WITH POLYURETHANE CAULK.
[B.E.] - INDICATES BOTTOM OF BASE PLATE ABOVE OR BELOW DATUM.
SEE DWG. S FOR FOOTING AND PIER SCHEDULE.

NOTE:
SUB-GRADE TO BE BROUGHT UP TO BOTTOM OF FOOTING ELEVATION WITH APPROVED STRUCTURAL FILL. CONTRACTOR IS TO REFERENCE GEOTECHNICAL REPORT BY "INGRAM ENGINEERING SERICES", INC. DATED MAY, 2025 FOR HOW TO PLACE AND THE REQUIREMENTS OF THE STRUCTURAL FILL.

NOTE:
1. STEP ALL FOOTINGS AT ALL PIPES & CONDUITS, SEE TYPICAL DETAIL.
2. G.C. TO CONFIRM ALL LOCATIONS AND INVERTS OF PIPES WITH MECHANICAL & ELECTRICAL CONTRACTORS.
3. THE FOUNDATION DRAWINGS SHOW ONLY GENERAL LOCATIONS AND MAY NOT INCLUDE ALL PENETRATIONS. G.C. TO SEE MECHANICAL DRAWINGS FOR FULL EXTENT OF PIPE PENETRATIONS.

NOTE:
ELECTRICAL CONTRACTOR TO PROVIDE GROUNDING ELECTRODE SYSTEM AS REQUIRED BY NEC SECTION 250-50a. COORDINATE LOCATION WITH GENERAL CONTRACTOR.

NOTE:
GENERAL CONTRACTOR TO LAYOUT DIMENSIONS OF COLUMN CENTERLINES AT THE BEGINNING OF THE PROJECT AND IS TO NOTIFY THE ARCHITECT AND STEEL CONTRACTOR OF ANY DEVIATIONS FROM THE CONTRACT DRAWINGS. SEE S-1 FOR FOOTING AND PIER SCHEDULES.



BLOCK - A CANOPY LAYOUT PLAN

1/8" = 1'-0"

SEE FOUNDATION PLAN NOTES FOR ADDITIONAL INFORMATION.
SEE FOUNDATION PLAN FOR FOOTING SIZES, BOTTOM OF FOOTING ELEVATIONS, BOTTOM OF BASE PLATES.

FOOTING SCHEDULE

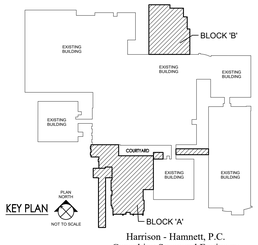
MARK	SIZE	REINFORCEMENT
F30	3'-0" x 3'-0" x 12"	(3) - #4's E.W. BOTT.
F2640	2'-6" x 4'-0" x 12"	(3) - #5's L.W. BOTT. (4) - #5's S.W. BOTT.
F3660	3'-6" x 6'-0" x 12"	(3) - #6's L.W. BOTT. (6) - #6's S.W. BOTT.
F40	4'-0" x 4'-0" x 12"	(4) - #5's E.W. BOTT.
F50	5'-0" x 5'-0" x 14"	(5) - #6's E.W. BOTT.
F60	6'-0" x 6'-0" x 16"	(6) - #6's E.W. BOTT.

PIER SCHEDULE

MARK	SIZE	REINFORCEMENT	REMARKS
P1	16" x 16"	(4) - #6's VERT.	
P2	18" x 18"	(4) - #6's VERT.	
P3	20" x 20"	(6) - #6's VERT.	
P4	24" x 24"	(8) - #6's VERT.	
P5	28" x 28"	(12) - #6's VERT.	

NOTE:
ALL PIERS TO HAVE # 3 TIES @ 12" O.C. (TYPICAL).
ALL PIER TIES TO HAVE INSIDE HOOKS. (TYP.)
PROVIDE BRICKSHELF IN PIERS AS REQUIRED. SEE TYPICAL BRICKSHELF DETAIL ON DRAWING S401.

TIE ARRANGEMENTS



Harrison - Hamnett, P.C.
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12 / 10 / 25
MARK W. GAFFNEY, N.J.P.E. #24GE04284100 DATE

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A007760001 | PA - RA012250X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21A001299200
JASON J. DUBOWITCH, AIA
NJ - 21A001299200 | PA - RA414061
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21A001300100 | PA - RA414060
Architects 10/10/25 Date

FVHD Architects Planners
Fraytak Velsz Hopkins Duthie PC
Corporate: 1515 Lower Ferry Road Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue Mont Clare - Pennsylvania 19453
FVHDPC.COM

Project Name
Additions and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Ln.
Princeton, NJ
08540

Project Number
5516B

Project Date
10.10.2025

Checked By
DH

Drawn By
RC

Scale
As Noted

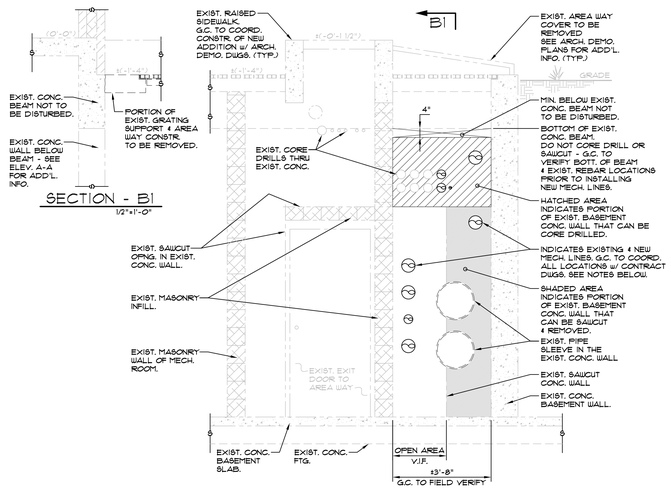
Drawing Name
FOUNDATION PLAN
BLOCK 'A'

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	ISSUED FOR BID

Drawing Number
S101

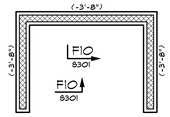
Drawing name: S-1plot-25516 - Princeton Middle School 55168 - FVHD-25516 - Plans.dwg
Date: Dec. 10, 2025 - 2:49pm



SECTION - B1
1/2"=1'-0"

ELEVATION A-A
1/2"=1'-0"

G.C. TO FIELD VERIFY AND COORD. LOCATIONS OF ALL NEW AND EXISTING MECH. LINES PRIOR TO STARTING DEMOLITION AND CONSTRUCTION.
G.C. TO NOTIFY ARCHITECT AND ENGINEER OF RECORD OF ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS.

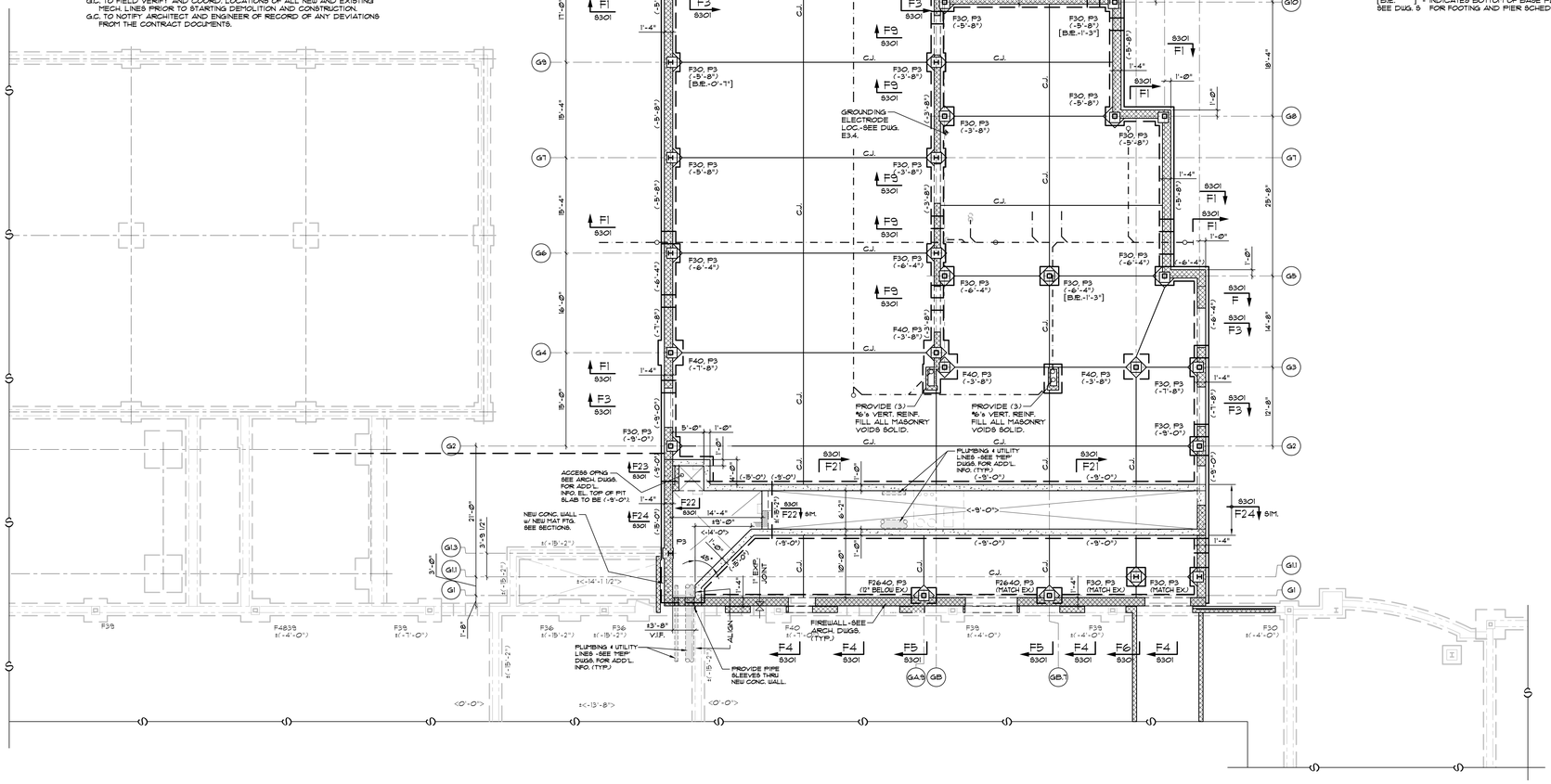


RECEPTACLE FOUNDATION PLAN
1/8" = 1'-0"

TRASH RECEPTACLE - SEE ARCH. DWGS. FOR ADD'L. INFORMATION. (TYP.)

RECEPTACLE FOUNDATION PLAN
1/8" = 1'-0"

TRASH RECEPTACLE - SEE ARCH. DWGS. FOR ADD'L. INFORMATION. (TYP.)



BLOCK - B FOUNDATION PLAN
1/8" = 1'-0"

ELEVATION TOP OF FINISHED FLOOR SLAB. = 165.74 REFERRED TO AS DATUM EL. 0'-0" UNLESS OTHERWISE NOTED THUS < > ON PLAN.
FLOOR SLABS: 4" CONC. SLAB + 6x6-W1.4xW1.4 WWF. ON A VAPOR BARRIER OVER 6" MIN. DRAINAGE FILL UNLESS OTHERWISE NOTED.
ELEVATION BOTTOM OF FOOTINGS NOTED THUS ON PLAN BELOW FINISHED FLOOR DATUM EL. 0'-0".
C.J. - INDICATES SLAB CONSTRUCTION OR CONTROL JOINT.
SLAB DEPRESSIONS NOTED THUS [–] ON PLAN FROM TOP OF FLOOR SLAB - SEE ARCH. DWGS. FOR LOCATION & EXTENT.
ANY PENETRATIONS IN SLAB FROM ALL TRADES TO BE FILLED WITH POLYURETHANE CAULK.
[B.E.] - INDICATES BOTTOM OF BASE PLATE ABOVE OR BELOW DATUM.
SEE DWG. S 9 FOR FOOTING AND PIER SCHEDULE.

FOOTING SCHEDULE		
MARK	SIZE	REINFORCEMENT
F30	3'-0" x 3'-0" x 12"	(3) - #4's E.W. BOTT.
F2640	2'-6" x 4'-0" x 12"	(3) - #5's L.W. BOTT. (4) - #5's S.W. BOTT.
F3660	3'-6" x 6'-0" x 12"	(3) - #6's L.W. BOTT. (6) - #6's S.W. BOTT.
F40	4'-0" x 4'-0" x 12"	(4) - #5's E.W. BOTT.
F50	5'-0" x 5'-0" x 14"	(5) - #6's E.W. BOTT.
F60	6'-0" x 6'-0" x 16"	(6) - #6's E.W. BOTT.

PIER SCHEDULE			
MARK	SIZE	REINFORCEMENT	REMARKS
P1	16" x 16"	(4) - #6's VERT.	
P2	18" x 18"	(4) - #6's VERT.	
P3	20" x 20"	(6) - #6's VERT.	
P4	24" x 24"	(8) - #6's VERT.	
P5	28" x 28"	(12) - #6's VERT.	

NOTE:
ALL PIERS TO HAVE # 3 TIES @ 12" o.c. (TYPICAL).
ALL PIER TIES TO HAVE INSIDE HOOKS. (TYP.)
PROVIDE BRICKSHELF IN PIERS AS REQUIRED. SEE TYPICAL BRICKSHELF DETAIL ON DRAWING S401.

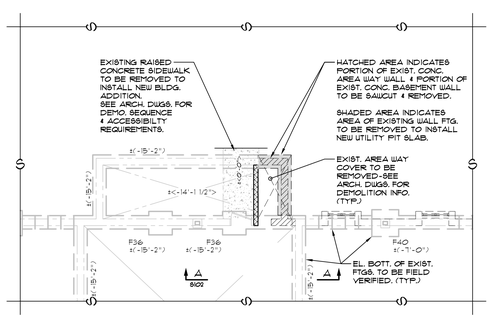
TIE ARRANGEMENTS

NOTE:
SUB-GRADE TO BE BROUGHT UP TO BOTTOM OF FOOTING ELEVATION WITH APPROVED STRUCTURAL FILL. CONTRACTOR IS TO REFERENCE GEOTECHNICAL REPORT BY 'INGRAM ENGINEERING SERVICES', INC. DATED MAY, 2025 FOR HOW TO PLACE AND THE REQUIREMENTS OF THE STRUCTURAL FILL.

NOTE:
1. STEP ALL FOOTINGS AT ALL PIPES & CONDUITS, SEE TYPICAL DETAIL.
2. G.C. TO CONFIRM ALL LOCATIONS AND INVERTS OF PIPES WITH MECHANICAL & ELECTRICAL CONTRACTORS.
3. THE FOUNDATION DRAWINGS SHOW ONLY GENERAL LOCATIONS AND MAY NOT INCLUDE ALL PENETRATIONS. G.C. TO SEE MECHANICAL DRAWINGS FOR FULL EXTENT OF PIPE PENETRATIONS.

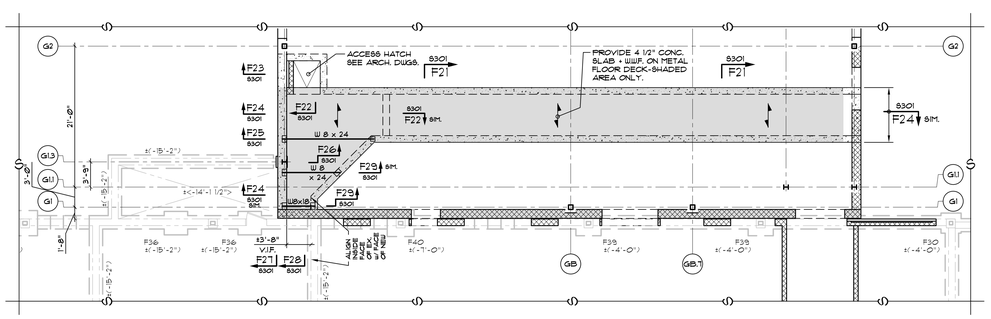
NOTE:
ELECTRICAL CONTRACTOR TO PROVIDE GROUNDING ELECTRODE SYSTEM AS REQUIRED BY NEC SECTION 250-50a. COORDINATE LOCATION WITH GENERAL CONTRACTOR

NOTE:
GENERAL CONTRACTOR TO LAYOUT DIMENSIONS OF COLUMN CENTERLINES AT THE BEGINNING OF THE PROJECT AND IS TO NOTIFY THE ARCHITECT AND STEEL CONTRACTOR OF ANY DEVIATIONS FROM THE CONTRACT DRAWINGS. SEE S-1 FOR FOOTING AND PIER SCHEDULES.



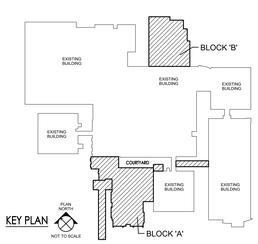
BLOCK - B EXISTING FOUNDATION PLAN
1/8" = 1'-0"

G.C. TO TEMPORARILY SHORE EXISTING STRUCTURE AS REQUIRED TO INSTALL NEW BUILDING CONSTRUCTION.
G.C. TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND IS TO NOTIFY THE ARCHITECT AND ENGINEER OF RECORD OF ANY DISCREPANCIES WITH THE INFORMATION NOTED ON THE CONSTRUCTION DOCUMENTS.
SEE ARCHITECTURAL DEMOLITION DRAWINGS FOR ADDITIONAL DEMOLITION NOTES. (TYP.)



BLOCK - B UTILITY TUNNEL FRAMING PLAN
1/8" = 1'-0"

ELEVATION TOP OF FINISHED FLOOR SLAB REFERRED TO AS DATUM EL. 0'-0" UNLESS OTHERWISE NOTED ON PLAN.
FLOOR SLAB: 4 1/2" CONC. SLAB + 6 x 6- W 1.4 x W 1.4 WWF. ON 2"- 20 GA. COMPOSITE METAL FLOOR DECK. (GALVANIZED)
ELEVATION TOP OF STEEL BEAMS TO BE -4 1/2" BELOW TOP OF SLAB UNLESS OTHERWISE NOTED THUS ( ) ON PLAN.
SPACE ALL STEEL MEMBERS EQUALLY UNLESS OTHERWISE NOTED ON PLAN.



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12 / 10 / 25
MARK W. GAFFNEY, N.J.P.E. #24GE04284100 DATE

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A007760001 | PA - RA012250X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21A00129700
JASON J. DUBOWITCH, AIA
NJ - 21A00133400 | PA - RA410450
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21A00133100 | PA - RA410451
Architects
William D. Hopkins III 10/10/25
Date
FVHDPC.COM

Project Name
Additions and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Ln.
Princeton, NJ
08540

Project Number
5516B

Project Date
10.10.2025

Checked By
DH

Drawn By
RC

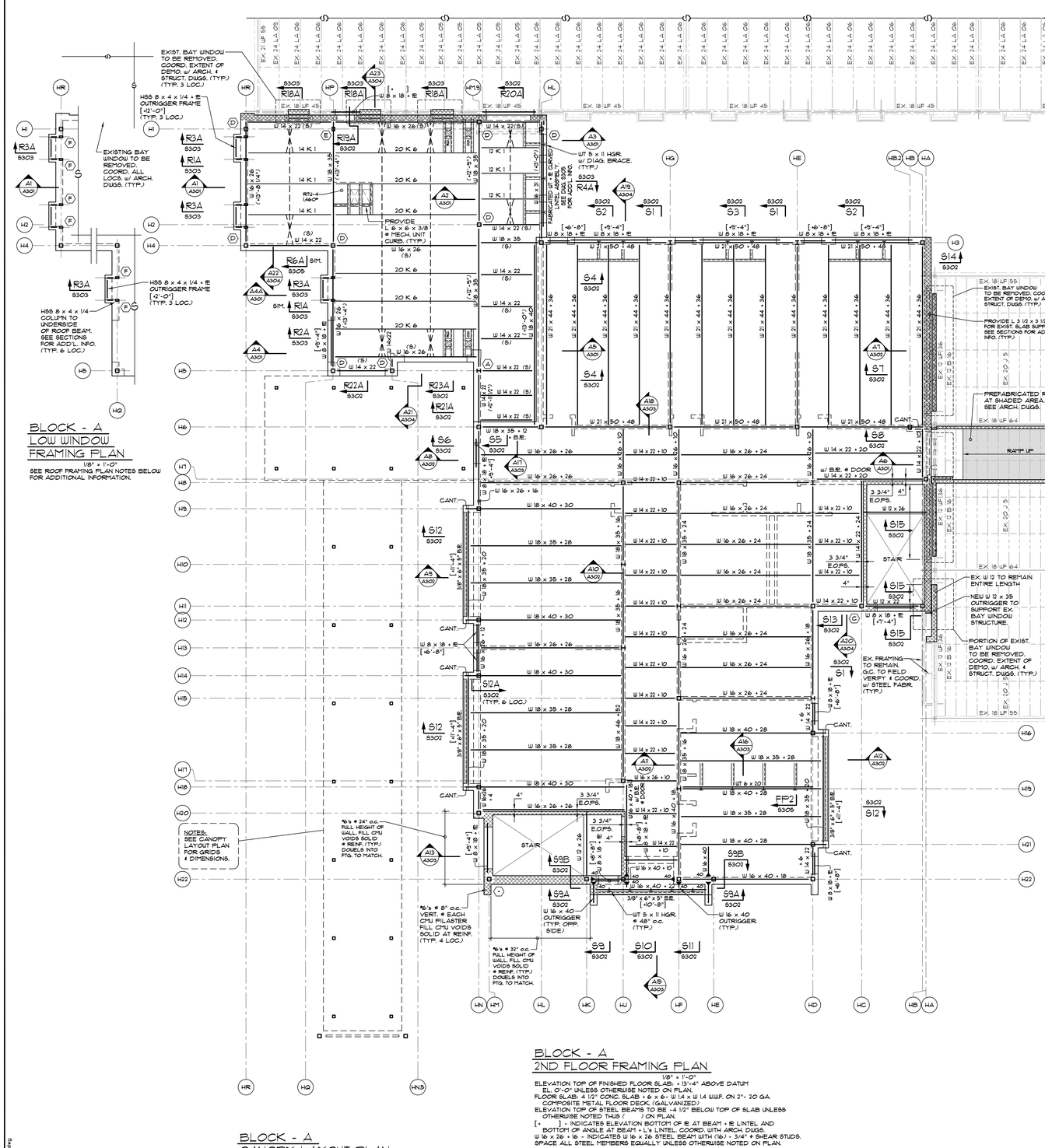
Scale
As Noted

Drawing Name
FOUNDATION PLAN
BLOCK 'B'

Revisions		
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	ISSUED FOR BID

Drawing Number
S102

Drawing Name: S102 - 5516B - Princeton Middle School - FVHDPC2015 - Plumbing
Date: Dec 10, 2025 - 2:50pm



BLOCK - A
LOW WINDOW FRAMING PLAN

1/8" = 1'-0"

SEE ROOF FRAMING PLAN NOTES BELOW FOR ADDITIONAL INFORMATION.

BLOCK - A
CANOPY LAYOUT PLAN

1/8" = 1'-0"

×

BLOCK - A
2ND FLOOR FRAMING PLAN

1/8" = 1'-0"

ELEVATION TOP OF FINISHED FLOOR SLAB. = 13'-4" ABOVE DATUM EL. 0'-0" UNLESS OTHERWISE NOTED ON PLAN.
FLOOR SLAB: 4 1/2" CONC. SLAB + 6 x 6 - W 1.4 x W 1.4 WWF. ON 2"- 20 GA. COMPOSITE METAL FLOOR DECK. (GALVANIZED)
ELEVATION TOP OF STEEL BEAMS TO BE -4 1/2" BELOW TOP OF SLAB UNLESS OTHERWISE NOTED THUS ( ) ON PLAN.
[*] - INDICATES ELEVATION BOTTOM OF IE. AT BEAM + IE. LINTEL AND BOTTOM OF ANGLE AT BEAM + L'S LINTEL. COORD. WITH ARCH. DWGS.
W 16 x 26 + 16 - INDICATES W 16 x 26 STEEL BEAM WITH (16) - 3/4" ø SHEAR STUDS.
SPACE ALL STEEL MEMBERS EQUALLY UNLESS OTHERWISE NOTED ON PLAN.

BLOCK - A
CANOPY FRAMING PLAN

1/8" = 1'-0"

ELEVATION TOP OF STEEL BEAMS NOTED THUS (+) ON PLAN ABOVE DATUM UNLESS OTHERWISE NOTED.
ROOF DECK: 1 1/2" - 20 GA. TYPE "B" (WIDE RIB) METAL ROOF DECK (GALV.)
PROVIDE FRAME AROUND ALL ROOF DRAINS & AT ALL OTHER ROOF OPENINGS LARGER THAN 8" AS PER TYPICAL DETAIL.
COORDINATE SIZE & LOCATION OF ALL ROOF OPNGS. W/ ARCH. & MECH. DWGS.
SPACE ALL STEEL MEMBERS EQUALLY UNLESS OTHERWISE NOTED ON PLAN.

BLOCK - A
CANOPY FRAMING PLAN

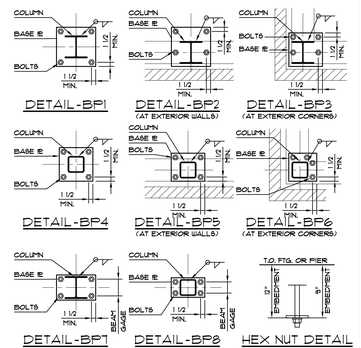
1/8" = 1'-0"

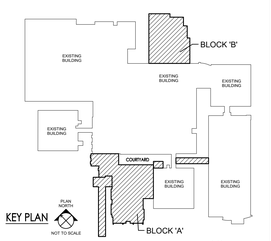
ELEVATION TOP OF STEEL BEAMS NOTED THUS (+) ON PLAN ABOVE DATUM UNLESS OTHERWISE NOTED.
ROOF DECK: 1 1/2" - 20 GA. TYPE "B" (WIDE RIB) METAL ROOF DECK (GALV.)
PROVIDE FRAME AROUND ALL ROOF DRAINS & AT ALL OTHER ROOF OPENINGS LARGER THAN 8" AS PER TYPICAL DETAIL.
COORDINATE SIZE & LOCATION OF ALL ROOF OPNGS. W/ ARCH. & MECH. DWGS.
SPACE ALL STEEL MEMBERS EQUALLY UNLESS OTHERWISE NOTED ON PLAN.

COLUMN SCHEDULE

MARK	SIZE	BASE PLATE	ANCHOR BOLTS	BAE. TYPE
(A)	W 8 x 31	3/4" x 14" x 1'-2"	(4) - 3/4" ø	
(B)	W 8 x 48	3/4" x 14" x 1'-2"	(4) - 3/4" ø	
(C)	HSS 8 x 8 x 1/4	3/4" x 14" x 1'-2"	(4) - 3/4" ø	
(D)	HSS 8 x 8 x 3/8	3/4" x 14" x 1'-2"	(4) - 3/4" ø	
(E)	HSS 6 x 6 x 3/8	3/4" x 12" x 1'-0"	(4) - 3/4" ø	
(F)	HSS 8 x 4 x 3/8	3/4" x 10" x 1'-0"	(4) - 3/4" ø	

NOTES:
1. BOTTOM OF BASE PLATES TO BE -1" BELOW DATUM ELEVATION UNLESS OTHERWISE NOTED THUS [BE.] ON PLAN FROM DATUM.
2. ALL COLUMNS TO HAVE (4) - 3/4" ø ASTM F1554, GRADE 36 ANCHOR BOLTS WITH 9" MIN. EMBEDMENT WITH HEAVY HEX NUTS. PROVIDE 1/4" x 3" x 3" IE. WASHER EA. A.B. UNLESS OTHERWISE NOTED. (SEE DETAIL)
3. ALL 1" ø ANCHOR BOLTS TO HAVE MINIMUM 12" EMBEDMENT AND HEAVY HEX NUTS AT THERE EMBEDDED ENDS AS PER AISC UNLESS OTHERWISE NOTED. (SEE DETAIL) PROVIDE 1/4" x 3" x 3" IE. WASHER EA. A.B. UNLESS OTHERWISE NOTED. (SEE DETAIL)
4. ALL TS COLUMNS TO BE Py = 46 K.S.I.
5. ALL TS COLUMNS TO HAVE CAP PLATES: 3/4" THICK @ BEAT BEARING 1/2" THICK @ JOIST BEARING ALL OTHERS 1/4" THICK U.O.N.
6. WHERE ANY FACE OF COLUMN ABUTS MASONRY WALLS, PROVIDE ADJUSTABLE MASONRY ANCHORS @ 24" O.C. VERTICALLY. OMIT MASONRY ANCHORS AT FIRE WALLS.
7. ALL STEEL COLUMNS SUPPORTING CANTILEVER MEMBERS TO HAVE 3/4" TOP PLATES W/ (4) 3/4"ø A325 BOLTS U.O.N.
8. PROVIDE DOUBLE ANGLE CONNECTIONS AT ALL BEAM TO WIDE FLANGE COLUMN CONNECTIONS AND BEAM TO BEAM CONNECTIONS.
9. SEE TYPICAL THRU-IE DETAIL FOR BEAM TO TUBE COLUMN CONNECTIONS
10. (+) - INDICATES THE POINT AT WHICH A STEEL COLUMN TERMINATES. COORDINATE THE HEIGHT OF STEEL WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.





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12 / 10 / 25
MARK W. GAFFNEY, N.J.P.E. #24GE04284100 DATE

NJDCA Electronic Release Stamp

FVHD Architects Planners
Frayzak Velsz Hopkins Duthie PC
WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A007760001 | PA - RA012520X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21A012979001
JASON J. DUBOWITCH, AIA
NJ - 21A027900100 | PA - RA414067
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21A020031001 | PA - RA414083
Corporate: 1515 Lower Ferry Road Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue Mont Clare - Pennsylvania 19453
FVHDPC.COM

Architect: William D. Hopkins III, AIA, LEED AP — Date: 10/10/25

Project Name
Additions and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Ln.
Princeton, NJ
08540

Project Number
5516B

Project Date
10.10.2025

Checked By
DH

Drawn By
RC

Scale
As Noted

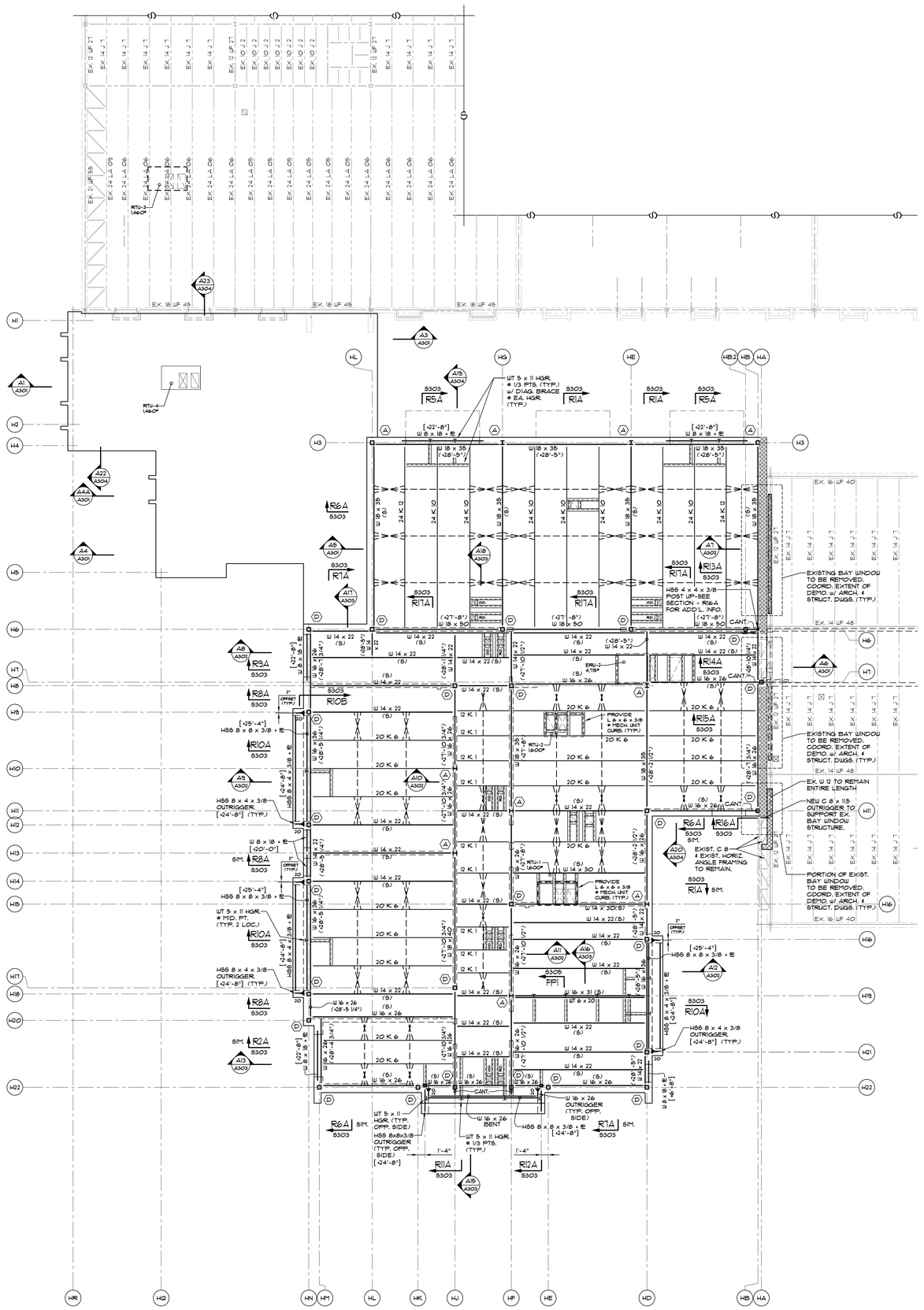
Drawing Name
BLOCK - A
2ND FLOOR
FRAMING PLAN

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	ISSUED FOR BID

Drawing Number
S201

Drawing name: S1-block-2ND.rvt - Princeton Middle School 5516B - FVHD-25115 - Plans.dwg
Date: Dec. 10, 2025 - 3:49pm



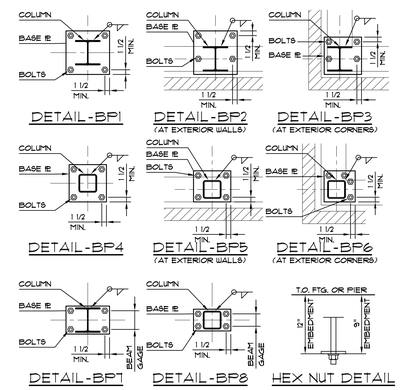
BLOCK - A
ROOF FRAMING PLAN

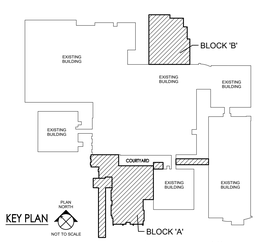
1/8" = 1'-0"

ELEVATION TOP OF STEEL BEAMS NOTED THUS (+) ON PLAN ABOVE DATUM UNLESS OTHERWISE NOTED.
ROOF DECK: 1 1/2" - 20 GA. TYPE "B" (WIDE RIB) METAL ROOF DECK (GALV.).
PROVIDE FRAME AROUND ALL ROOF DRAINS & AT ALL OTHER ROOF OPENINGS LARGER THAN 8" AS PER TYPICAL DETAIL.
COORDINATE SIZE & LOCATION OF ALL ROOF OPNGS. W/ ARCH. & MECH. DWGS.
SPACE ALL STEEL MEMBERS EQUALLY UNLESS OTHERWISE NOTED ON PLAN.
[ ] - INDICATES ELEVATION BOTTOM OF IE AT BEAM + IE LINTEL AND BOTTOM OF ANGLE AT BEAM + L's LINTEL. SEE ARCH. DWGS.
(S) - INDICATES SLOPING MEMBER.

COLUMN SCHEDULE				
MARK	SIZE	BASE PLATE	ANCHOR BOLTS	B.E. TYPE
A	W 8 x 31	3/4" x 14" x 1'-2"	(4) - 3/4" ø	
B	W 8 x 48	3/4" x 14" x 1'-2"	(4) - 3/4" ø	
C	HSS 8 x 8 x 1/4	3/4" x 14" x 1'-2"	(4) - 3/4" ø	
D	HSS 8 x 8 x 3/8	3/4" x 14" x 1'-2"	(4) - 3/4" ø	
E	HSS 6 x 6 x 3/8	3/4" x 12" x 1'-0"	(4) - 3/4" ø	
F	HSS 8 x 4 x 3/8	3/4" x 10" x 1'-0"	(4) - 3/4" ø	

NOTES:
1. BOTTOM OF BASE PLATES TO BE -1" BELOW DATUM ELEVATION UNLESS OTHERWISE NOTED THUS [B.E.] ON PLAN FROM DATUM.
2. ALL COLUMNS TO HAVE (4) - 3/4" ø ASTM F1554, GRADE 36 ANCHOR BOLTS WITH 9" MIN. EMBEDMENT WITH HEAVY HEX NUTS. PROVIDE 1/4" x 3" x 3" ℄ WASHER EA. A.B. UNLESS OTHERWISE NOTED. (SEE DETAIL)
3. ALL 1" ø ANCHOR BOLTS TO HAVE MINIMUM 12" EMBEDMENT AND HEAVY HEX NUTS AT THEIR EMBEDDED ENDS AS PER "AISC" UNLESS OTHERWISE NOTED. (SEE DETAIL) PROVIDE 1/4" x 3" x 3" ℄ WASHER EA. A.B. UNLESS OTHERWISE NOTED. (SEE DETAIL)
4. ALL T& COLUMNS TO BE F_y = 46 K.S.I.
5. ALL T& COLUMNS TO HAVE CAP PLATES:
   3/4" THICK @ BEAM BEARING
   1/2" THICK @ JOIST BEARING
   ALL OTHERS 1/4" THICK U.O.N.
6. WHERE ANY FACE OF COLUMN ABUTS MASONRY WALLS, PROVIDE ADJUSTABLE MASONRY ANCHORS @ 24" O.C. VERTICALLY. OMIT MASONRY ANCHORS AT FIRE WALLS.
7. ALL STEEL COLUMNS SUPPORTING CANTILEVER MEMBERS TO HAVE 3/4" TOP PLATES W/ (4) 3/4"ø A325 BOLTS U.O.N.
8. PROVIDE DOUBLE ANGLE CONNECTIONS AT ALL BEAM TO WIDE FLANGE COLUMN CONNECTIONS AND BEAM TO BEAM CONNECTIONS.
9. SEE TYPICAL THRU-IE DETAIL FOR BEAM TO TUBE COLUMN CONNECTIONS
10. (-) - INDICATES THE POINT AT WHICH A STEEL COLUMN TERMINATES. COORDINATE THE HEIGHT OF STEEL WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.





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MARK W. GAFFNEY, N.J.P.E. #24GE04284100 DATE

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A00170600 | PA - RA012520X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21A00129700
JASON J. DUBOWITCH, AIA
NJ - 21A00207100 | PA - RA410420
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21A00203100 | PA - RA410450
Architect Date 10/10/25

FVHDPC.COM
Corporate: 1515 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453

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DH

Drawn By
RC

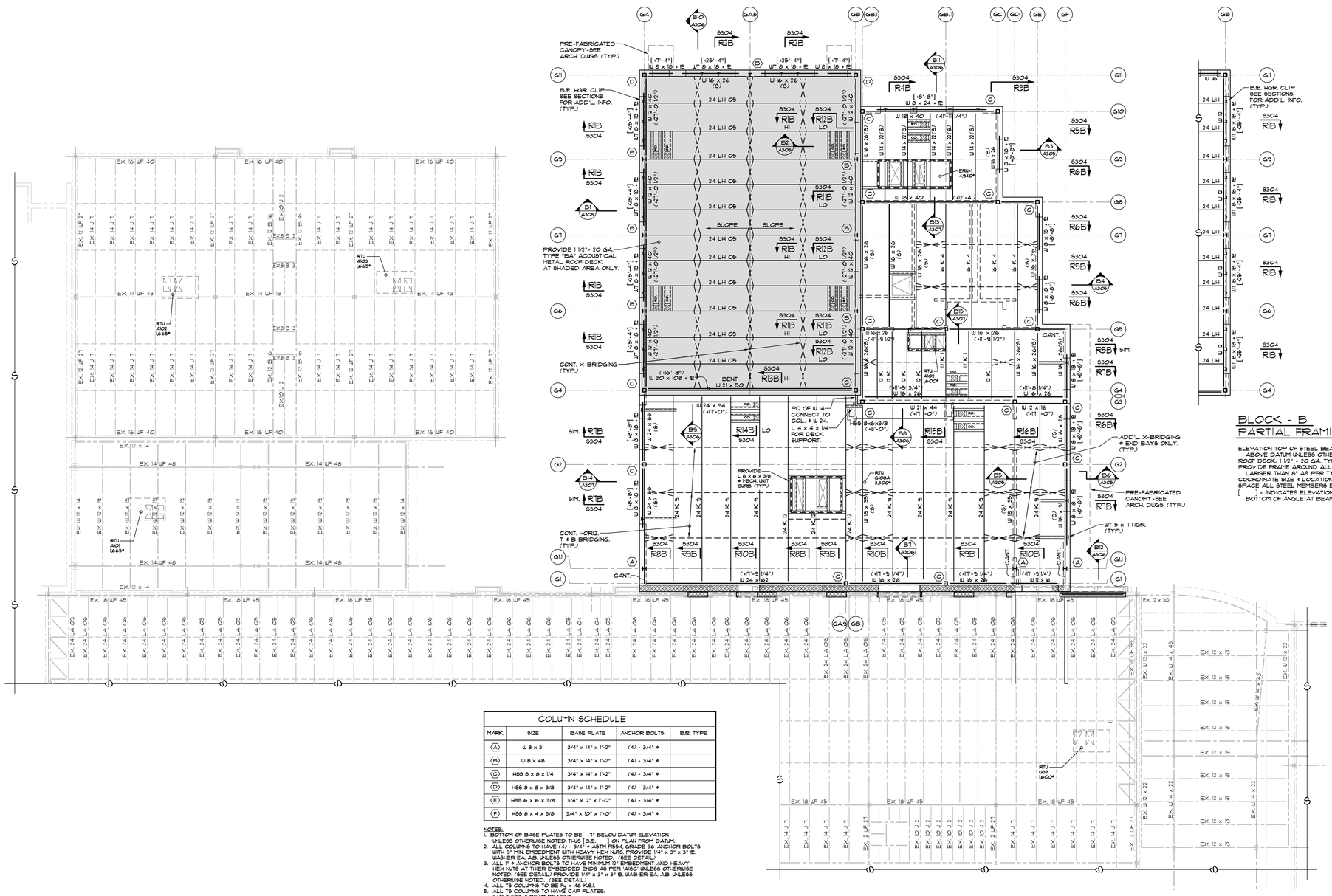
Scale
As Noted

Drawing Name
BLOCK - A
ROOF FRAMING PLAN

Revisions		
No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	ISSUED FOR BID

Drawing Number
S202

Drawing Name: S202 - 5516B - Princeton Middle School - FVHD-2015 - Plans.dwg
Date: Dec. 10, 2025 - 3:45pm



BLOCK - B
PARTIAL FRAMING PLAN

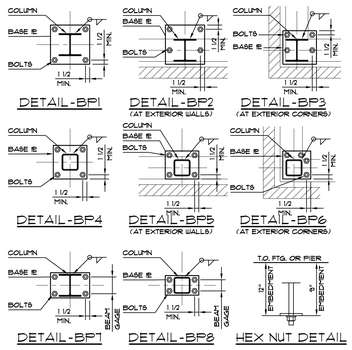
1/8" = 1'-0"

ELEVATION TOP OF STEEL BEAMS NOTED THUS (+) ON PLAN.
ABOVE DATUM UNLESS OTHERWISE NOTED.
ROOF DECK: 1 1/2" - 20 GA. TYPE "B" (WIDE RIB) METAL ROOF DECK (GALV.).
PROVIDE FRAME AROUND ALL ROOF DRAINS @ AT ALL OTHER ROOF OPENINGS LARGER THAN 8" AS PER TYPICAL DETAIL.
COORDINATE SIZE & LOCATION OF ALL ROOF OPNGS. W/ ARCH. & MECH. DWGS.
SPACE ALL STEEL MEMBERS EQUALLY UNLESS OTHERWISE NOTED ON PLAN.
[ ] - INDICATES ELEVATION BOTTOM OF "E" AT BEAM + "E" LINTEL AND BOTTOM OF ANGLE AT BEAM + L's LINTEL. SEE ARCH. DWGS.

COLUMN SCHEDULE

MARK	SIZE	BASE PLATE	ANCHOR BOLTS	B.E. TYPE
A	W 8 x 31	3/4" x 14" x 1'-2"	(4) - 3/4" ø	
B	W 8 x 48	3/4" x 14" x 1'-2"	(4) - 3/4" ø	
C	HSS 8 x 8 x 1/4	3/4" x 14" x 1'-2"	(4) - 3/4" ø	
D	HSS 8 x 8 x 3/8	3/4" x 14" x 1'-2"	(4) - 3/4" ø	
E	HSS 6 x 6 x 3/8	3/4" x 12" x 1'-0"	(4) - 3/4" ø	
F	HSS 8 x 4 x 3/8	3/4" x 10" x 1'-0"	(4) - 3/4" ø	

NOTES:
1. BOTTOM OF BASE PLATES TO BE -1" BELOW DATUM ELEVATION UNLESS OTHERWISE NOTED THUS [B.E.] ON PLAN FROM DATUM.
2. ALL COLUMNS TO HAVE (4) - 3/4" ø ASTM F1554, GRADE 36 ANCHOR BOLTS WITH 9" MIN. EMBEDMENT WITH HEAVY HEX NUTS. PROVIDE 1/4" x 3" x 3" ℄. WASHER EA. A.B. UNLESS OTHERWISE NOTED. (SEE DETAIL)
3. ALL 1" ø ANCHOR BOLTS TO HAVE MINIMUM 12" EMBEDMENT AND HEAVY HEX NUTS AT THEIR EMBEDDED ENDS AS PER "AISC" UNLESS OTHERWISE NOTED. (SEE DETAIL) PROVIDE 1/4" x 3" x 3" ℄ WASHER EA. A.B. UNLESS OTHERWISE NOTED. (SEE DETAIL)
4. ALL TS COLUMNS TO BE F_y = 46 K.S.I.
5. ALL TS COLUMNS TO HAVE CAP PLATES:
   3/4" THICK @ BEAM BEARING
   1/2" THICK @ JOIST BEARING
   ALL OTHERS 1/4" THICK U.O.N.
6. WHERE ANY FACE OF COLUMN ABUTS MASONRY WALLS, PROVIDE ADJUSTABLE MASONRY ANCHORS @ 24" O.C. VERTICALLY. OMIT MASONRY ANCHORS AT FIRE WALLS.
7. ALL STEEL COLUMNS SUPPORTING CANTILEVER MEMBERS TO HAVE 3/4" TOP PLATES W/ (4) 3/4"ø A325 BOLTS U.O.N.
8. PROVIDE DOUBLE ANGLE CONNECTIONS AT ALL BEAM TO WIDE FLANGE COLUMN CONNECTIONS AND BEAM TO BEAM CONNECTIONS.
9. SEE TYPICAL THRU-E DETAIL FOR BEAM TO TUBE COLUMN CONNECTIONS
10. Ⓒ - INDICATES THE POINT AT WHICH A STEEL COLUMN TERMINATES. COORDINATE THE HEIGHT OF STEEL WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.

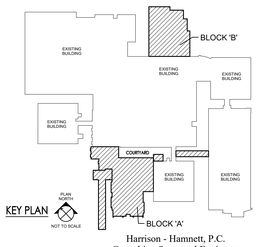


DETAIL-BP1 | DETAIL-BP2 (AT EXTERIOR WALLS) | DETAIL-BP3 (AT EXTERIOR CORNERS)
DETAIL-BP4 | DETAIL-BP5 (AT EXTERIOR WALLS) | DETAIL-BP6 (AT EXTERIOR CORNERS)
DETAIL-BP7 | DETAIL-BP8 | HEX NUT DETAIL

BLOCK - B
ROOF FRAMING PLAN

1/8" = 1'-0"

ELEVATION TOP OF STEEL BEAMS NOTED THUS (+) ON PLAN
ABOVE DATUM UNLESS NOTED.
ROOF DECK: 1 1/2" - 20 GA. TYPE "B" (WIDE RIB) METAL ROOF DECK (GALV.).
PROVIDE FRAME AROUND ALL ROOF OPENINGS LARGER THAN 8" AS PER TYPICAL DETAIL.
COORDINATE SIZE & LOCATION OF ALL ROOF OPNGS. W/ ARCH. & MECH. DWGS.
SPACE ALL STEEL MEMBERS EQUALLY UNLESS OTHERWISE NOTED ON PLAN.
[ ] - INDICATES ELEVATION BOTTOM OF "E" AT BEAM + "E" LINTEL AND BOTTOM OF ANGLE AT BEAM + L's LINTEL. SEE ARCH. DWGS.
(S) - INDICATES SLOPING MEMBER.



Harrison - Hamnett, P.C.
Consulting Structural Engineers
40 Knowles Street Pennington, New Jersey 08534
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12 / 10 / 25
MARK W. GAFFNEY, N.J.P.E. #24GE04284100 DATE

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A007760001 | PA - RA012250X
GEORGE P. DUTHIE JR., AIA, PP
NJ - 21A001299001
JASON J. DUBOWITCH, AIA
NJ - 21A001299001 | PA - RA414067
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21A002630100 | PA - RA414083
Architect Date 10/10/25

FVHDP Architects Planners
Frayzak Velisz Hopkins Duthie PC
Corporate: 1515 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
FVHDPC.COM

Project Name
Additions and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Ln.
Princeton, NJ
08540

Project Number
5516B

Project Date
10.10.2025

Checked By
DH

Drawn By
RC

Scale
As Noted

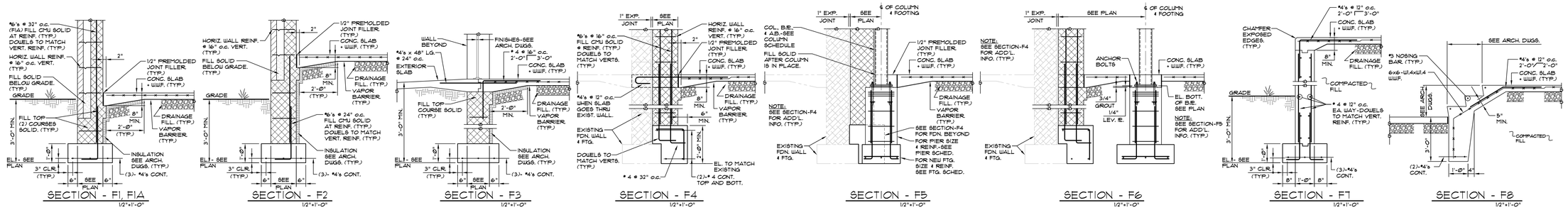
Drawing Name
BLOCK - B
ROOF FRAMING PLAN

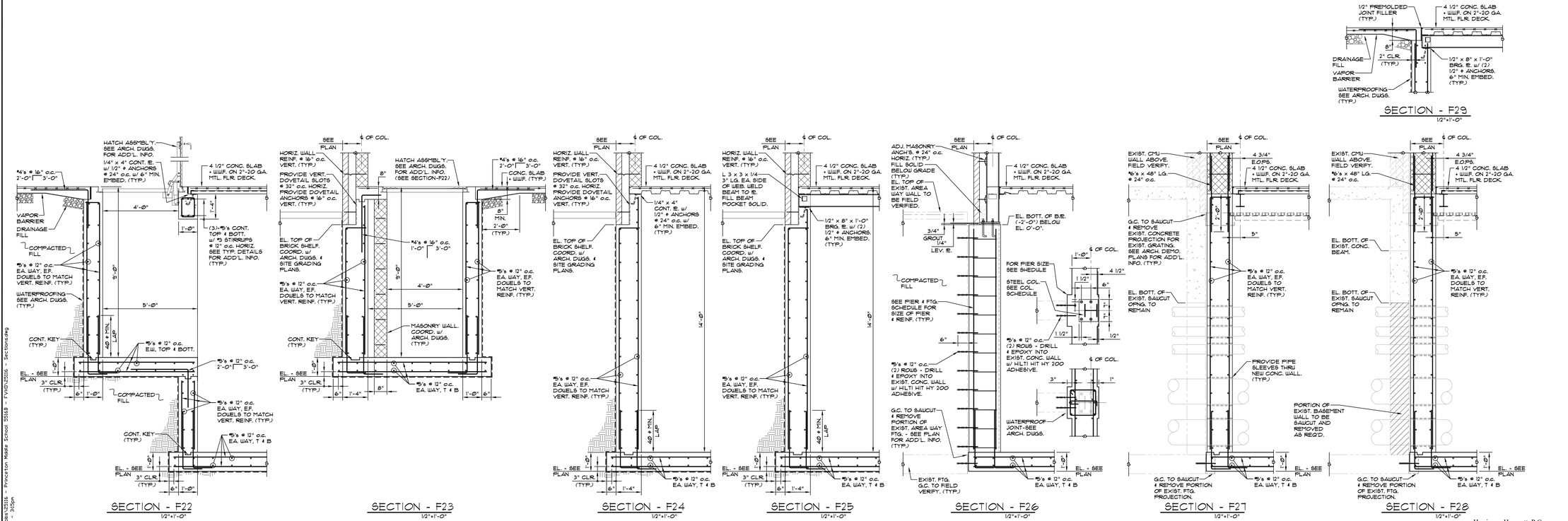
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	ISSUED FOR BID

Drawing Number
S203

Drawing name: BLOCK-B.DWG
Date: Dec 10, 2025 - 3:16pm





NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A007760000 | PA - RA012250X

GEORGE R. DUTHIE JR., AIA, PP
NJ - 21A012979200

JASON J. DUBOWITCH, AIA
NJ - 21A027600100 | PA - RA414083

STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21A020331100 | PA - RA414083

Architect — Date 10/10/25

FVHD Architects Planners
Fraytak Veisz Hopkins Duthie PC

Corporate: 1515 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
FVHDPC.COM

Project Name

Additions and Renovations to Princeton Middle School

Project Owner Name

Princeton Public Schools

Project Location

217 Walnut Ln.
Princeton, NJ
08540

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Project Date

10.10.2025

Checked By

DH

Drawn By

RC

Scale

As Noted

Drawing Name

SECTIONS

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	ISSUED FOR BID

Drawing Number

S301

Harrison - Hamnett, P.C.
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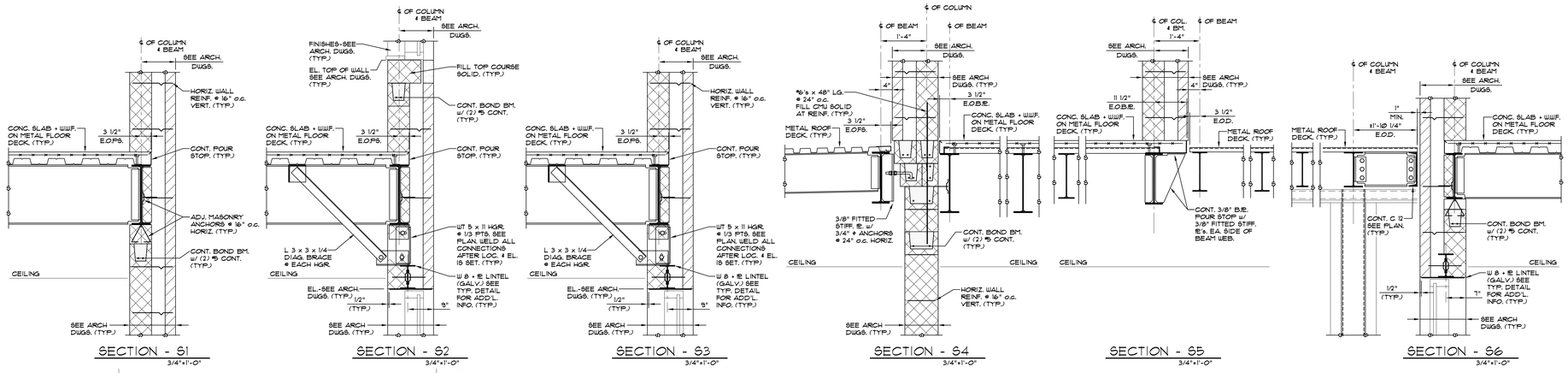
12 / 10 / 25
MARK W. GAFFNEY, N.J.P.E. #24GE04284100 DATE

Drawing Name: S1.dwg 2016 - Princeton Middle School 5516B - FVHD 2016 - Sections.dwg
Date: Dec 10, 2025 - 3:15pm



NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A007760001 | PA - RA012250X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21A012979001
JASON J. DUBOWITCH, AIA
NJ - 21A027660001 | PA - RA014563
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21A027660001 | PA - RA014563

Architect — Date 10/10/25

FVHDPC.COM
Fraytak Velsz Hopkins Duthie PC
Architects Planners
Corporate: 1515 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453

Project Name
Additions and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Ln.
Princeton, NJ
08540

Project Number
5516B

Project Date
10.10.2025

Checked By
DH

Drawn By
RC

Scale
As Noted

Drawing Name
SECTIONS

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	ISSUED FOR BID

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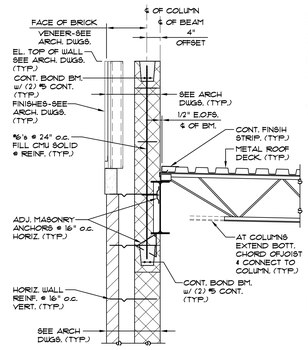
MARK W. GAFFNEY, N.J.P.E. #24GE04284100 — 12/10/25 DATE

Drawing Number
S302

Drawing name: Dr. John 5516.4 - Princeton Middle School 5516B - FVHDPC516 - Sections.dwg
Date: Dec. 10, 2025 - 3:15pm



SECTION - R1A
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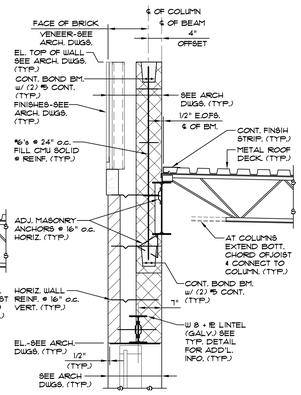

SECTION - R2A
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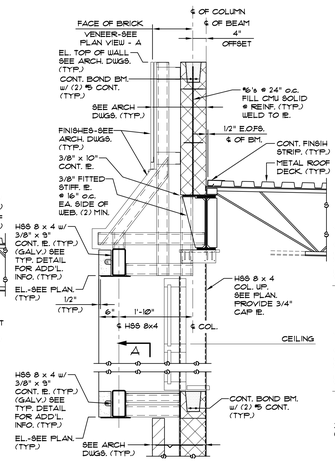

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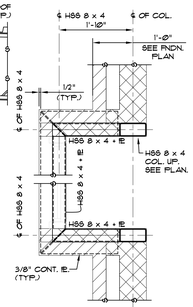
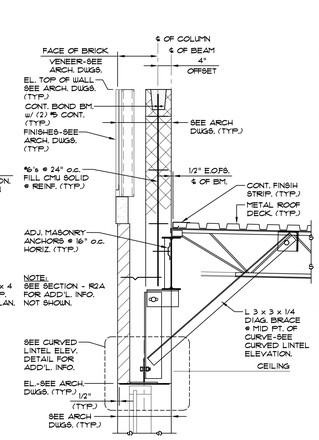


PLAN VIEW - A
3/4"=1'-0"



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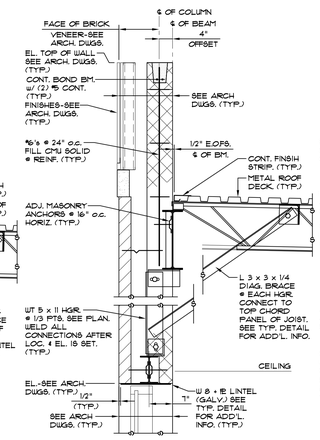

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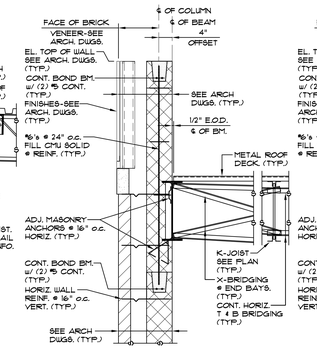

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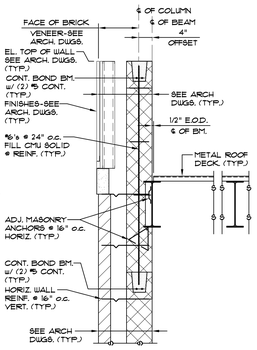

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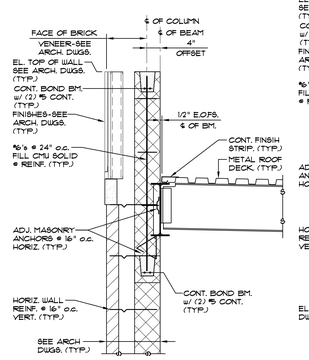

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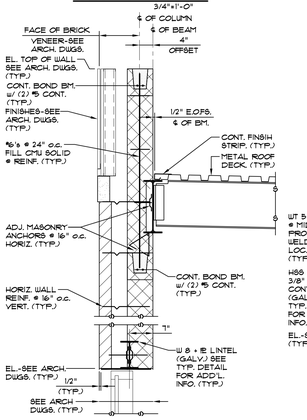

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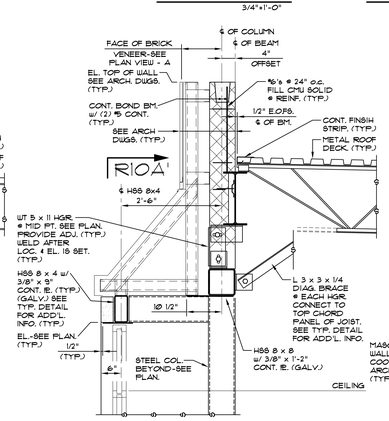

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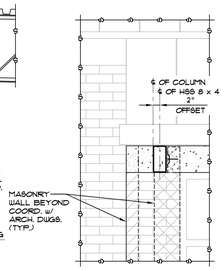

SECTION - R10A'
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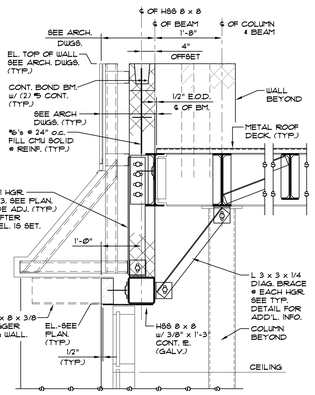

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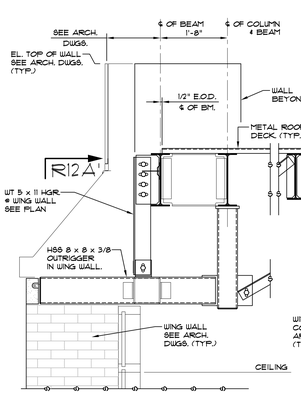

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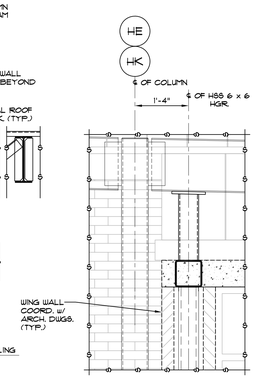

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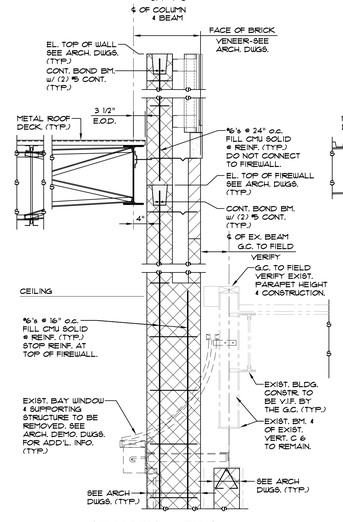

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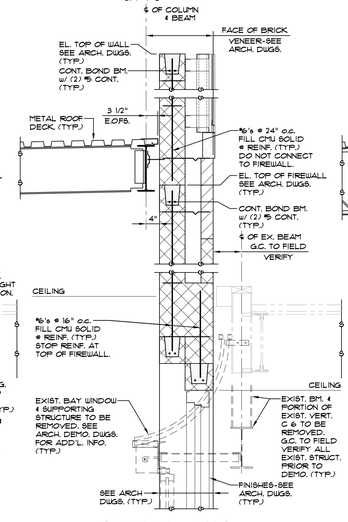

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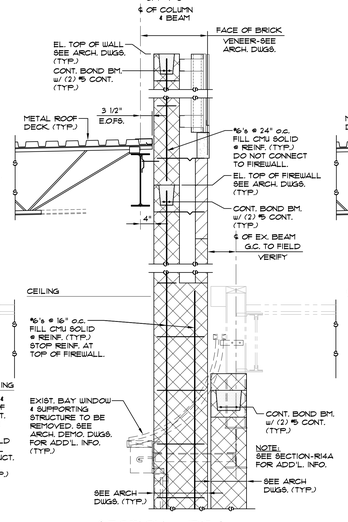

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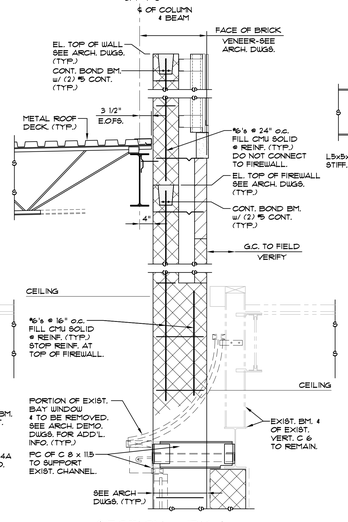

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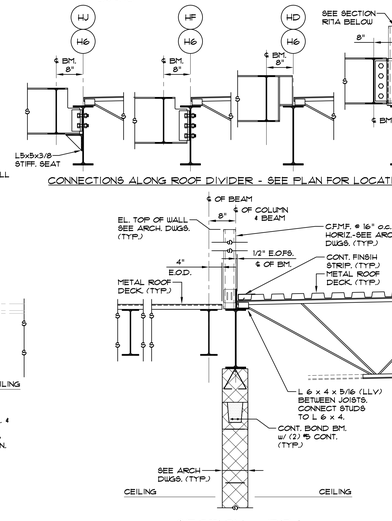

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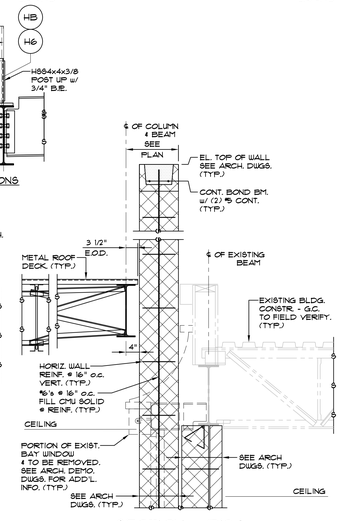

SECTION - R18A
3/4"=1'-0"

Harrison - Hamnett, P.C.
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MARK W. GAFFNEY, N.J.P.E. #24GE04284100 — 12 / 10 / 25 DATE

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GEORGE R. DUTHIE JR., AIA, PP
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JASON J. DUBOWITCH, AIA
NJ - 21A027760001
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21A027760001 | PA - RA014082
Architect — 10/10/25 Date

FVHD Architects Planners
Fraytak Velsz Hopkins Duthie PC
Corporate: 1515 Lower Ferry Road Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue Mont Clare - Pennsylvania 19453
FVHDPC.COM

Project Name
Additions and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Ln.
Princeton, NJ
08540

Project Number
5516B

Project Date
10.10.2025

Checked By
DH

Drawn By
RC

Scale
As Noted

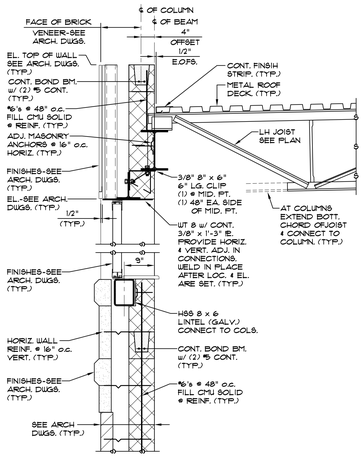
Drawing Name
SECTIONS

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	ISSUED FOR BID

Drawing Number
S303

Drawing name: Pu_Jobs\5516\ - Princeton Middle School 5516B - FVHD\5516 - Sections.dwg
Date: Dec 10, 2025 - 3:16pm



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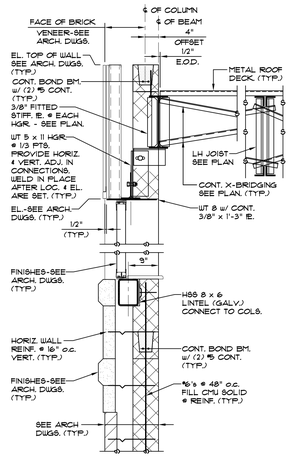

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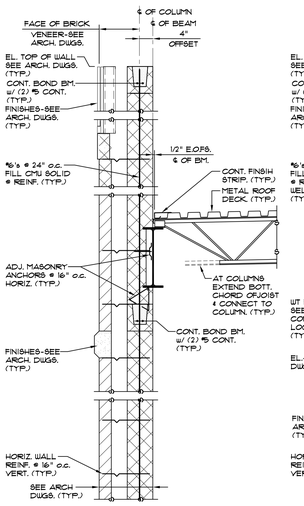

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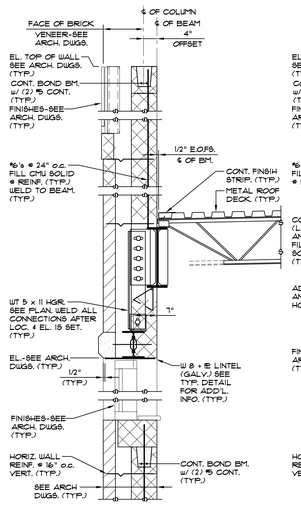

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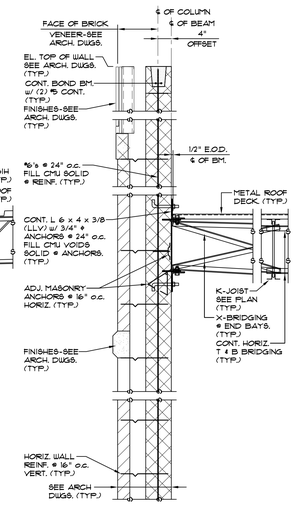

SECTION - R5B
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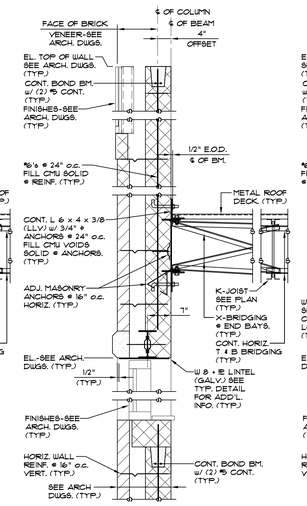

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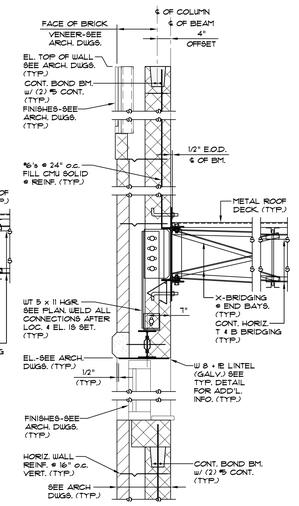

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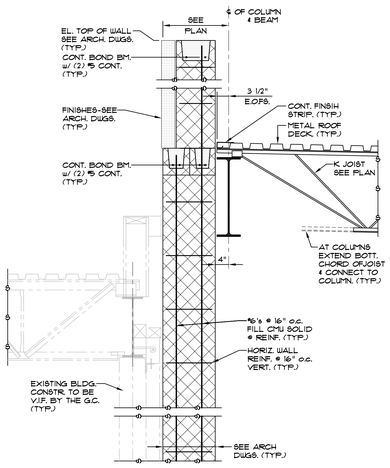

SECTION - R8B
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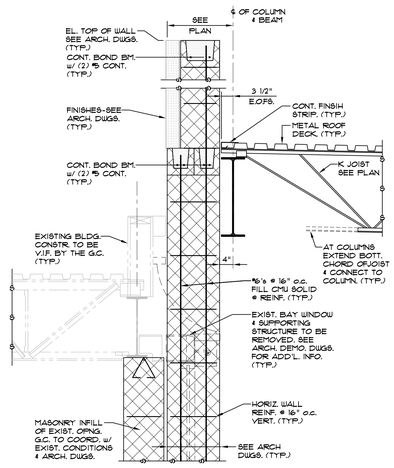

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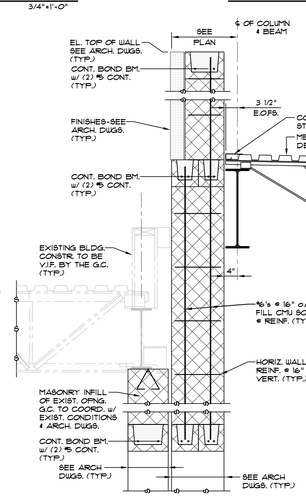

SECTION - R10B
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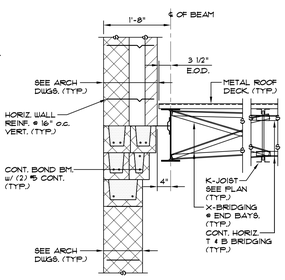

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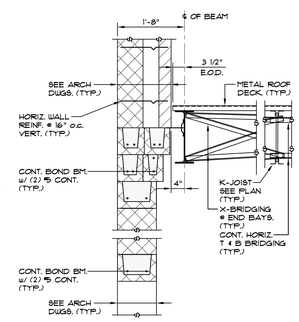

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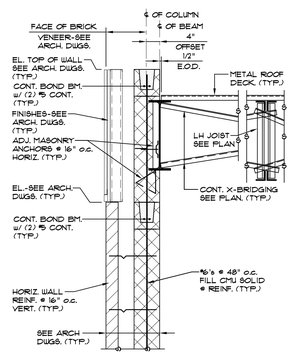

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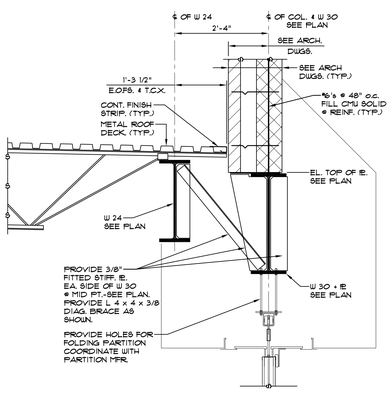

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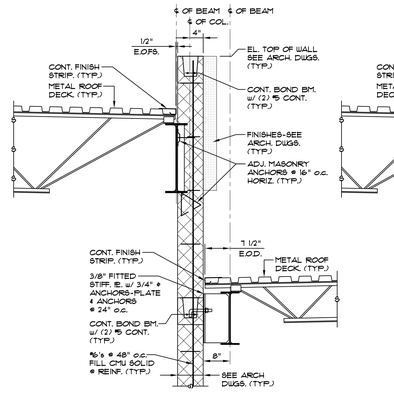

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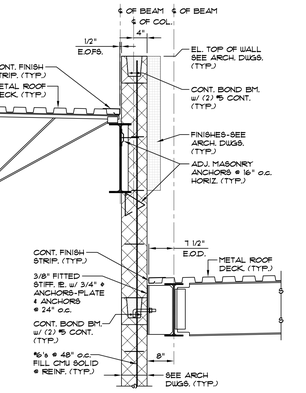


SECTION - R16B
3/4"=1'-0"

Drawing name: 24_Jobs\2516 - Princeton Middle School 5516B - FVHD\2516 - Sections.dwg
Date: Dec. 10, 2025 - 3:16pm

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A007760001 | PA - RA012250X
GEORGE P. DUTHIE JR., AIA, PP
NJ - 21A012979001
JASON J. DUBOWITCH, AIA
NJ - 21A101645700 | PA - RA414458
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21A102031100 | PA - RA416828
Architect
10/10/25
Date

FVHD Architects Planners
Fraytak Velez Hopkins Duthie PC
Corporate: 1515 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453
FVHDPC.COM

Project Name
Additions and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Ln.
Princeton, NJ
08540

Project Number
5516B

Project Date
10.10.2025

Checked By
DH

Drawn By
RC

Scale
As Noted

Drawing Name
SECTIONS

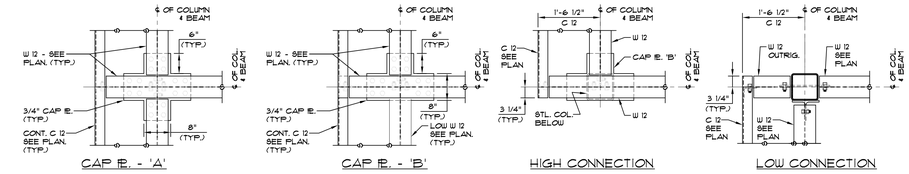
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	ISSUED FOR BID

Drawing Number
S304

Harrison - Hamnett, P.C.
Consulting Structural Engineers
40 Knowles Street Pennington, New Jersey 08534
Ph: 609-818-1808 www.hhpcnse.com

12 / 10 / 25
MARK W. GAFFNEY, N.J.P.E. #24GE04284100 DATE

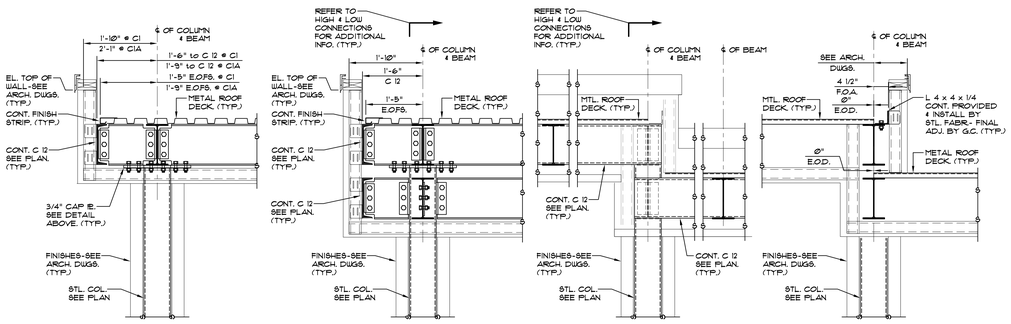


CAP PL. - 'A'

CAP PL. - 'B'

HIGH CONNECTION

LOW CONNECTION

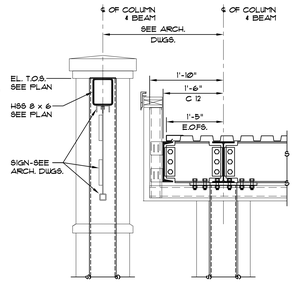


SECTION - C1, C1A

SECTION - C2

SECTION - C3

SECTION - C4



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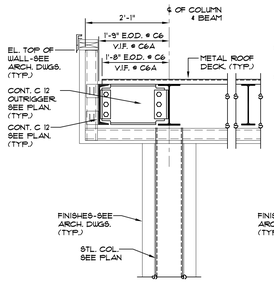

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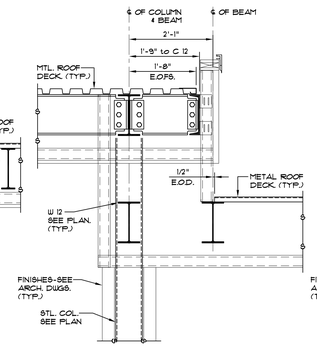

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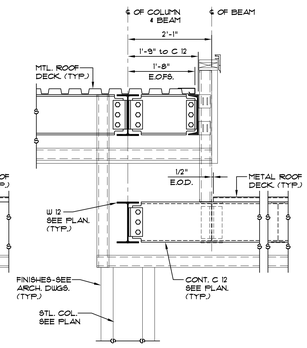

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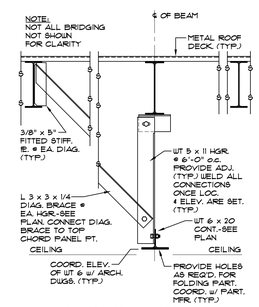

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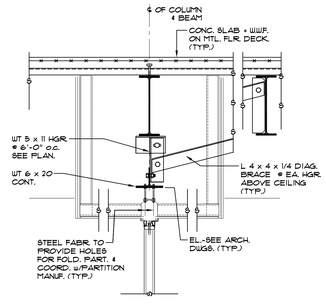

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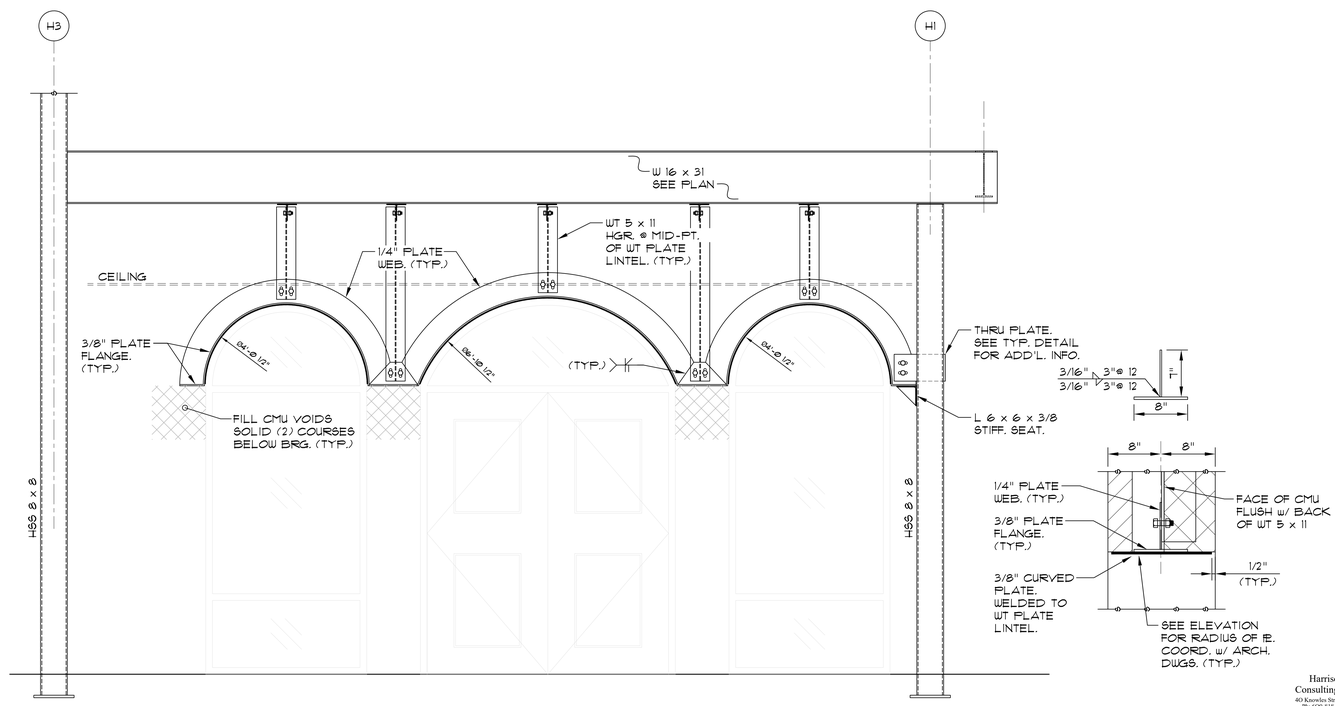


CURVED LINTEL ELEVATION

Harrison - Hamnett, P.C.
Consulting Structural Engineers
40 Knowles Street Pennington, New Jersey 08534
Ph: 609-818-1808 www.hhpcese.com

12 / 11 / 25
MARK W. GAFFNEY, N.J.P.E. #24GE04284100 DATE

Drawing name: P:\Jobs\5516\ - Princeton Middle School 5516B - FVHD\5516 - Sections.dwg
Date: Dec 11, 2025 - 4:27pm

NJDCA Electronic Release Stamp

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A00776600 | PA - RA012250X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21A00129700
JASON J. DUBOWITCH, AIA
NJ - 21A00776600 | PA - RA414458
STEPHEN W. SCHREYER JR., AIA, LEED AP BD+C
NJ - 21A00303100 | PA - RA414458

FVHDPC.COM
Corporate: 1515 Lower Ferry Road, Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Avenue, Mont Clare - Pennsylvania 19453

Architect Date 10/10/25

Project Name
Additions and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Ln.
Princeton, NJ
08540

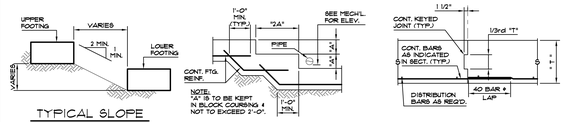
Project Number	5516B
Project Date	10.10.2025
Checked By	DH
Drawn By	RC
Scale	As Noted

Drawing Name
SECTIONS

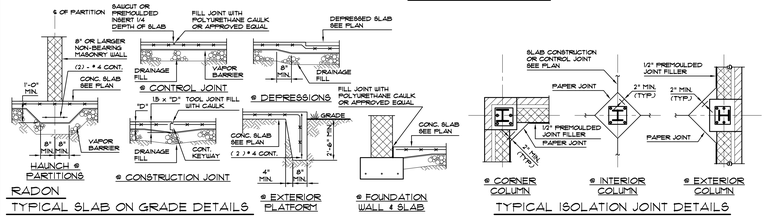
Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	ISSUED FOR BID

Drawing Number
S305

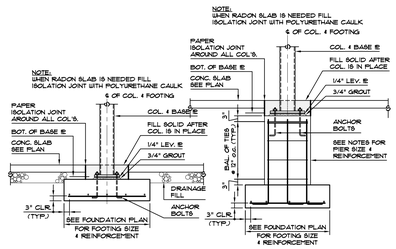


TYPICAL SLOPE BETWEEN FOOTINGS | TYPICAL STEPPED FOOTING | TYPICAL CONCRETE FOOTING CONSTRUCTION JOINT

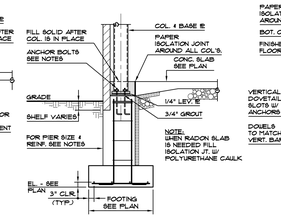


TYPICAL SLAB ON GRADE DETAILS

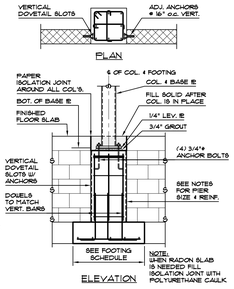
TYPICAL ISOLATION JOINT DETAILS



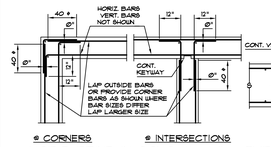
TYPICAL INTERIOR FOOTING TYPICAL ISOLATED PIER & FOOTING DETAIL



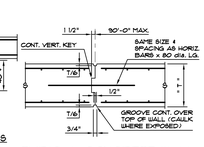
BRICK SHELF @ COLUMNS



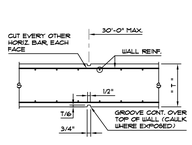
TYPICAL PIER & FOOTING DETAIL



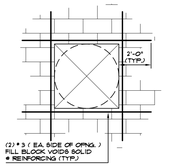
HORIZ. REINF. IN CONC. WALLS



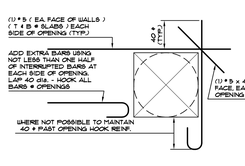
TYPICAL CONCRETE WALL CONSTRUCTION JOINT



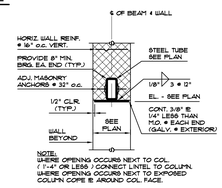
TYPICAL CONCRETE WALL CONTROL JOINT



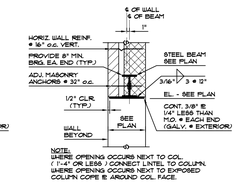
TYPICAL REINFORCING @ OPENINGS IN MASONRY WALLS



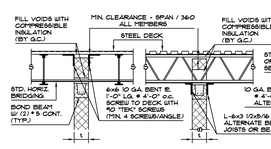
TYPICAL REINFORCING @ OPENINGS IN CONCRETE WALLS & SLABS



TYPICAL TUBE LINTEL DETAIL

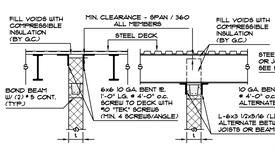


TYPICAL BEAM LINTEL DETAIL



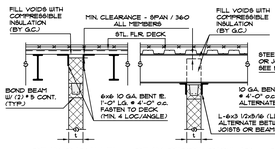
TYPICAL MASONRY WALL UP TO STEEL DECK DETAILS

NOTE: ALL STEEL (EXCEPT 10 GA. BENT ℄) SUPPLIED BY STEEL CONTRACTOR AND INSTALLED BY GENERAL CONTRACTOR. 10 GA. BENT ℄ SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR



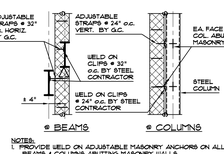
TYPICAL MASONRY WALL UP TO STEEL DECK DETAILS

NOTE: ALL STEEL (EXCEPT 10 GA. BENT ℄) SUPPLIED BY STEEL CONTRACTOR AND INSTALLED BY GENERAL CONTRACTOR. 10 GA. BENT ℄ SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR

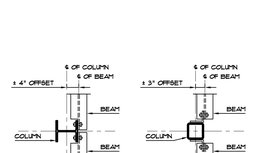


TYPICAL MASONRY WALL UP TO STEEL DECK DETAILS

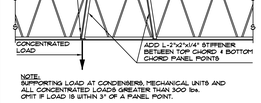
NOTE: ALL STEEL (EXCEPT 10 GA. BENT ℄) SUPPLIED BY STEEL CONTRACTOR AND INSTALLED BY GENERAL CONTRACTOR. 10 GA. BENT ℄ SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR



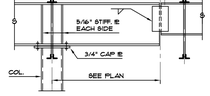
TYPICAL MASONRY ANCHORS



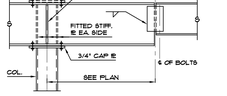
TYPICAL BEAM OFFSET CONNECTIONS



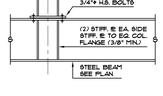
TYPICAL DETAIL OF REINF'D. JOIST



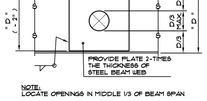
TYPICAL CANTILEVER CONNECTION



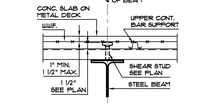
CANTILEVER BEAM CONNECTION

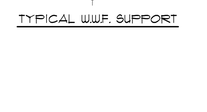


TYPICAL COLUMN UP FROM BEAM

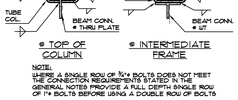


TYPICAL REINF. DETAIL FOR OPENINGS IN STEEL BEAMS



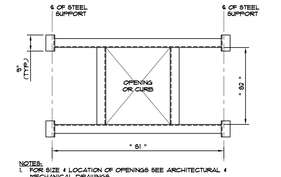


TYPICAL W.W.F. SUPPORT



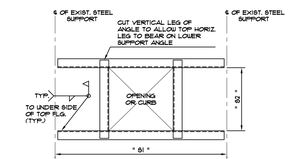
TYPICAL THRU PLATE DETAIL

(@ TUBE COLUMN)



NOTES:
1. FOR SIZE ± LOCATION OF OPENINGS SEE ARCHITECTURAL ± MECHANICAL DRAWINGS.
2. STEEL CONTRACTOR SHALL VERIFY ALL OPENINGS AND EXACT LOCATIONS WITH THE TRADE CONTRACTOR REQUIRING SAID OPENINGS PRIOR TO FABRICATION ± ERECTION OF STEEL FRAMES.
3. PROVIDE STEEL FRAMES AS SHOUN AROUND ALL REQUIRED OPENINGS LARGER THAN 8" AT ROOF.
4. PROVIDE STEEL ANGLES ON ALL SIDES OF OPENINGS UNLESS BEAM IS SHOUN ON PLAN. ANGLE SIZES TO BE:
FOR "81" OR "82" ± 6"-6" L-4"x4"x5/8"
FOR "81" OR "82" ± 8'-0" L-4"x4"x3/8"
5. PROVIDE STEEL ANGLES ON ALL SIDES OF MECH'L CURBS UNLESS BEAM IS SHOUN ON PLAN. ANGLE SIZES TO BE L-6"x6"x3/8".
6. FOR SIZE ± LOCATION OF MECH'L UNITS, SEE ARCH'L. ± MECH'L DUGS.

TYPICAL DETAIL @ ROOF OPENING ± UNDER MECH'L CURB



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TYPICAL OPNG. DETAIL @ EXIST'G. ROOF ± UNDER MECH'L CURB

NOTES:
UNLESS OTHERUISE SPECIFIED ON DRAUINGS PROVIDE ± INSTALL LINTELS FOR ALL SQUARE HEAD MASONRY OPENINGS IN ALL MASONRY WALLS IN ACCORDANCE UITH THE FOLLOUING SCHEDULES ± COMMENTS.

LOOSE LINTEL SCHEDULE
(FOR 4", 8", 12", ± 16" WALLS)

MASONRY OPENING	LINTEL SIZE	REMARKS
UP TO 4'-0"	L - 3 1/2" x 3 1/2" x 1/4"	
4'-1" TO 6'-0"	L - 5" x 3 1/2" x 5/16"	
6'-1" TO 8'-0"	L - 6" x 3 1/2" x 5/16"	
OVER 8'-0"	UT 8 x 18 + IE	

LOOSE LINTEL SCHEDULE
(FOR 6" WALLS)

MASONRY OPENING	LINTEL SIZE	REMARKS
2'-0" TO 6'-0"	UT 7 x 11	
6'-1" TO 8'-0"	UT 8 x 13	

NOTES:
1. PROVIDE ONE (1) ANGLE FOR EACH 4" OF MASONRY UIDTH.
2. BEAR LINTELS 8" MINIMUM EACH SIDE OF OPENING.
3. ALL LINTELS IN EXTERIOR UALLS TO BE GALVANIZED.
4. UHERE OPENINGS LOCATED NEXT TO COLUPNS OR BEAMS, ATTACH TO STRUCTURAL STEEL. CONNECTION NOT TO PROTRUDE INTO OPENING.
5. CONSULT ARCHITECTURAL, MECHANICAL ± ELECTRICAL DRAUINGS FOR OPENING SIZE ± LOCATION.

GENERAL NOTES

FOUNDATION

1. All footings shall bear on soil having a minimum safe bearing capacity of 1.5 tons per square foot. Confirm in field prior to placing footings.
2. Elevations given correspond to the computed bottom of footings and are minimum depths which are not to be construed as limiting in any way the depth required to reach good bearing.
3. No footings shall be placed in water or on frozen ground.
4. No fill or backfill shall be placed over or against work at such time or in such a manner which would endanger the stability or otherwise damage such work.
5. See soils report dated May 2025 by Ingram Engineering Services, Inc. for requirements concerning preparation of soil for foundations.

CAST-IN-PLACE CONCRETE

1. All concrete work shall conform to the latest edition of the ACI Building Code.
2. All concrete, except slabs on grade, shall attain 3000 PSI compressive strength at 28 days. All concrete for slabs on grade shall attain 3500 PSI compressive strength at 28 days.

REINFORCING

1. All reinforcing bar details shall conform to the latest ACI code and detailing manual.
2. All bars shall be ASTM A-615, Grade 60.
3. Welded wire fabric shall be ASTM A-185.
4. Clearance of main reinforcing from adjacent surfaces unless shown otherwise shall be:
   A. Unformed surfaces in contact with ground or exposed to the weather: 3"
   B. Bottom surfaces of slabs on grade: 3"
   C. Formed surfaces in contact with ground or exposed to weather:
      1. #5 bars or smaller: 1-1/2"
      2. Bars larger than #5: 2"
   D. Exterior wall surfaces: 2"
   E. In all cases not less than the diameter of the bar.
5. All reinforcement shall be inspected and approved before concrete is poured.
6. Tolerances for placing reinforcing shall be:
   A. +or- 1/4 inch for members with an effective depth of 24 inches or less.
   B. +or- 1/2 inch for members with an effective depth of more than 24 inches.
7. Where continuous bars are called for, they shall be run continuously around corners and lapped at necessary splices or hooked at discontinuous ends. Laps shall be 40 bar diameters. Bar laps may be offset to avoid control or construction joints.
8. Electrical Contractor to provide grounding electrode system as required by NEC section 250-52(a). Coordinate location and schedule with General Contractor.

UNDERPINNING NOTES

1. Existing wall to be underpinned the entire length as shown on the drawings in 3'-0" maximum sections. Decrease length of sections if places of existing foundation will become loose.
2. Existing columns and piers adjacent to existing walls to be underpinned prior to underpinning any walls.
3. The procedure for underpinning the existing columns and piers are as follows. Divide column or pier footing into three equal sections across the width of the footing. Underpin the existing column or pier footings in the following sequence:
   a. the outer right section,
   b. the outer left section,
   c. the center section.
   Place concrete beneath each section of footing as specified in 5.
4. Underpin walls in alternating sequence, skipping two 3 foot sections between each underpinned section.
5. Place underpinning concrete in each pit to an elevation of 3 inches below bottom of existing foundations. Allow concrete to set for 24 hours and then "dry pack" the remaining 3 inches. Dry pack mix to be 1 part cement, 2 1/2 parts sand, and 1/10 parts water.
6. Contractor is responsible to shore existing structure and soil excavation as necessary during construction.
7. Procedure for underpinning chimneys is same as for columns and piers.

STRUCTURAL STEEL

1. All structural steel details shall be designed in accordance with the latest issue of the American Institute of Steel Construction (AISC), "Specification for Structural Steel Buildings - Allowable Stress Design and Plastic Design".
2. Connections shall be designed to develop the full strength of the member over the required span, 1 1/2 times for composite members.
3. Provide double angle connections at all beam to wide flange columns and beam to beam connections where possible. The steel fabricator must notify the Structural Engineer if there are to be any changes. See Typical Tmu-PI Detail for beam to tube column connections.
4. Field connections shall be made by high strength bolts 3/4" minimum in diameter or welded as shown on drawings.
5. All plate shapes shall be ASTM A53, Grade B, Fy= 35 KSI.
6. All tubes shapes shall be ASTM A500, Grade B, Fy=46 KSI.
7. All structural wide flange shapes to be ASTM A-992/A572, Grade 50.
8. All steel plates, angles, channels are to be ASTM A-36 unless indicated otherwise.

STEEL JOISTS

1. All standard bar joists, materials, and workmanship shall conform to the latest edition of the S.J.I. "Standard Specifications for Openweb Joists, K Series" or "Standard Specifications for Longspan Steel Joist, LH-Series and Deep Longspan Steel Joists, DLH-Series."
2. Do not load joists until bridging is installed.

STEEL ROOF DECK

1. Deck shall be 20 gage galvanized 1.5" wide rib variety (Type B) continuous over at least 3 spans.
2. Deck to be installed as per manufacturer's recommendations.

STEEL FLOOR DECK

1. Deck shall be galvanized equal to 2" Lok-2 Floor by Roof Deck, Inc. or P-3623 by Canam Steel with respect to load carrying capacity, deflection, slab weight and U.L. label. Submit data to Structural Engineer.
2. Deck installation to be in strict accordance with manufacturer's recommendations.
3. Installation to be 3 span continuous.
4. All beams to have puddle welds at 12" o.c. (max).
5. Floor construction is unshored composite design. The steel will deflect under the weight of the concrete placed. The general contractor is to pour sufficient concrete, over and above the specified depth, to provide a level floor.

MASONRY REQUIREMENTS

1. All block work shall be in accordance with IBC2021 w/ NJ Modification and other applicable codes.
2. All block shall be lightweight aggregate and conform to ASTM C 90.
3. Mortar shall be ASTM C 270, Type M for below grade and Type M or S for above grade work.
4. Where block fill is called for on drawings, use Type M mortar or concrete with a compressive strength of 2500 PSI in accordance with ASTM C 476, and installed in accordance with ACI-531 for high or low lift procedures.
5. All masonry walls are to have a #4 vertical reinforcing bars at ends, at intersections at corners and at a maximum spacing of 10 feet on centers. These reinforcing bars are to be full height and grouted solid. These bars may be spliced provided that a 40 bar diameter lap is maintained.
6. All openings are to have two #3 vertical reinforcing bars within 16 inches of each side and a bond beam top and bottom with two #3 bars (unless noted otherwise on plan). All reinforcing is to extend past the opening a minimum of 24 inches.
7. All masonry walls are to have a bond beam with two #4 bars within 16 inches of the top of the wall.
8. All running bond masonry walls are to have horizontal reinforcing at every other course. Where masonry is laid in other than running bond, horizontal joint reinforcement is to be provided at every horizontal joint. The horizontal wall reinforcing shall be No. 9 gage "Dur-o-wall" or equivalent. Provide fabricated corner sections at all corners.
9. All wall bearing beams are to have the masonry wall grouted solid a minimum of 8 inches each side of bearing location and two #4 vertical reinforcing bars full height at each grouted cell (maximum of four bars).
10. Coordinate masonry with all trades requiring items to be built-in.

MISCELLANEOUS

1. Contractor shall verify all dimensions, sections and elevations on the job.
2. Consult the Architectural, Mechanical and Electrical drawings for verification of location and dimensions of chases, inserts, openings, sleeves, washes, drips, reveals, depressions, equipment pads and other product requirements.
3. All walls shall be braced during construction until permanently restrained.
4. Reproductions of contract documents are not acceptable as shop drawings and will be rejected.
5. Contractor is responsible to shore the existing building as necessary during construction while new structural elements are being installed.

ROOF LOADING SCHEDULE

DEAD LOAD:		
ROOFING	6.0	P.S.F.
INSULATION	2.0	P.S.F.
METAL ROOF DECK	2.5	P.S.F.
STEEL JOISTS	3.0	P.S.F.
STRUCTURAL STEEL	3.0	P.S.F.
MECH. ELEC.	2.0	P.S.F.
CEILING	1.0	P.S.F.
	20.0	P.S.F.
LIVE LOAD:		
DESIGN LOAD	30.0	P.S.F.
GROUND SNOW LOAD (Pg) = 30.0 PSF Ce = 1.0, I = 1, Ct = 1.0 Pf = 0.7 x Ce x I x Ct x Pg =	23.1	P.S.F.
NET JOIST UPLIFT	12.0	P.S.F.
DRIFT LOADING TO DRIFT LENGTH	5824 13.24 FEET	

FLOOR LOADING SCHEDULE

DEAD LOAD:		
4 1/2" CONCRETE SLAB	44.0	P.S.F.
METAL FLOOR DECK	3.0	P.S.F.
STRUCTURAL STEEL	8.0	P.S.F.
MECH. ELEC.	3.0	P.S.F.
MISC.	2.0	P.S.F.
	60.0	P.S.F.
LIVE LOAD:		
CLASSROOMS	40.0	P.S.F.
OFFICES	50.0	P.S.F.
PARTITIONS	20.0	P.S.F.
CORRIDORS	80.0	P.S.F.
2ND FLOOR DESIGN LOAD	80.0	P.S.F.
1ST FLOOR DESIGN LOAD	100.0	P.S.F.
STAIRS	100.0	P.S.F.

LATERAL LOADING SCHEDULE

WIND LOAD: IBC 2021 - ASCE 7-16
- BASIC WIND SPEED = 125 MPH.
- RISK CATEGORY = III , EXPOSURE B
- INTERNAL PRESSURE COEFF. GCpi = ± 0.18
- COMPONENT & CLADDING
  - ROOF = 10 SF = - 59.1 PSF
  - WALLS = 10 SF = + 29.1, - 34.3

SEISMIC LOADING: IBC 2021 - ASCE 7-16
- SEISMIC RISK CATEGORY = III
- IMPORTANCE FACTOR (Ie) = 1.25
- Ss = 0.231, S1 = 0.063
- SITE CLASS = D
- SDS = 0.246, SD1 = 0.085
- SEISMIC DESIGN CATEGORY = B
- BUILDING FRAME SYSTEM W/ ORDINARY REINFORCED MASONRY SHEAR WALLS
  - FRONT ENTRANCE ADDITION:
    - BASE SHEAR = 27.8 K
  - NEW GYM ADDITION:
    - BASE SHEAR = 92.0
- SEISMIC RESPONSE COEFFICIENT (Cs) = 0.154
- RESPONSE MODIFICATION FACTOR (R) = 2
- EQ. LAT. FORCE PROC.

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12 / 10 / 25
MARK W. GAFFNEY, N.J.P.E. #24GE04284100 DATE

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Architect's Seal — Date: 10/10/25

NJDCA Electronic Release Stamp

Project Name
Additions and Renovations to Princeton Middle School

Project Owner Name
Princeton Public Schools

Project Location
217 Walnut Ln.
Princeton, NJ
08540

Project Number
5516B

Project Date
10.10.2025

Checked By
DH

Drawn By
RC

Scale
As Noted

Drawing Name
TYPICAL DETAILS / GENERAL NOTES / SCHEDULES

Revisions

No.	Date	Description
	10.10.25	NJ DCA SUBMISSION
	12.03.25	NJ DCA RESPONSES
	12.15.25	ISSUED FOR BID

Drawing Number
S401

Drawing Name: P:\2025\25016 - Princeton Middle School 5516B - PVHDPC\Plts - Typical Details.dwg
Date: Dec 10, 2025 - 3:18pm