

FIXTURE SCHEDULE
 MIN. REQUIREMENTS PER TABLE 403.1 OF THE NYS 2020 PLUMBING CODE

CLASSIFICATION	DESCRIPTION	WATER CLOSETS (URINALS) RATIO		LAVATORIES RATIO		DRINKING FOUNTAINS RATIO	OTHER
		MALE	FEMALE	MALE	FEMALE		
EDUCATIONAL	EDUCATIONAL FACILITIES	50	NOTE*	50	50	100	1 SERVICE SINK
* URINALS CANNOT BE MORE THAN 67 PERCENT OF THE REQUIRED WATER CLOSETS FOR MALES.							
EXISTING FIXTURE COUNT FOR TOTAL BUILDING (NOT INCLUDING NEW ADDITION)							
EDUCATIONAL	EDUCATIONAL FACILITIES	4	8	10	7	9	3

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 MIN. REQUIREMENTS PER TABLE 403.1 OF THE NYS 2020 PLUMBING CODE

CLASSIFICATION	DESCRIPTION	WATER CLOSETS (URINALS) RATIO		LAVATORIES RATIO		DRINKING FOUNTAINS	OTHER
		MALE	FEMALE	MALE	FEMALE		
EDUCATIONAL	EDUCATIONAL FACILITIES	4	8	10	7	9	3

OCCUPANT LOAD (BASED ON ENROLLMENT)

CLASSIFICATION	DESCRIPTION	WATER CLOSETS (URINALS) RATIO	LAVATORIES	TOTAL STUDENT ENROLLMENT
EDUCATIONAL	CLASSROOMS	190	190	380

NOTES:
 1. CLASSROOMS AND VOCATIONAL ROOMS WITH DEDICATED TOILET FACILITIES ARE NOT INCLUDED IN TABULATION.
 2. AS PER NYSBC, THE NUMBER OF TOILET FIXTURES NEEDED IN A SCHOOL BUILDING IS BASED ON THE NUMBER OF PEOPLE WHO WILL BE IN THAT BUILDING.

MINIMUM REQUIREMENTS FOR TOTAL BUILDING

CLASSIFICATION	DESCRIPTION	WATER CLOSETS (URINALS) RATIO	LAVATORIES	DRINKING FOUNTAINS	OTHER	
EDUCATIONAL	EDUCATIONAL FACILITIES	4	NOTE*	4	4	1 SERVICE SINK
* URINALS CANNOT BE MORE THAN 67 PERCENT OF THE REQUIRED WATER CLOSETS FOR MALES.						

TOTAL PROPOSED FIXTURES IN NEW ADDITION (FOR STUDENTS)

ROOM NO.	DESCRIPTION	WATER CLOSETS (URINALS) RATIO	LAVATORIES	DRINKING FOUNTAINS	OTHER	
26A	GIRLS TOILET	-	4	-	2	-
26B	BOYS TOILET	2	-	2	-	-
27	CAFETERIA	-	-	-	1	-
C-02	CORRIDOR	-	-	-	1	1 SERVICE SINK
TOTAL		2	4	2	2	1

LEGEND

	2 HOUR MIN. FIRE RATED WALL 90 MIN. FIRE RATED OPENING PROTECTIVES
	1 HOUR MIN. FIRE RATED WALL 3/4 HOUR MIN. FIRE RATED OPENING PROTECTIVES
	AREAS OF SPRAY-ON FIRE PROOFING REQUIRED TO PROVIDE 1 HOUR MIN. FIRE RATING

ROOM NAME	ROOM NAME	# OF PERSONS
AREA (sf)	XX S.F.	XX OCCUPANT XX SF/OCCUPANT

	EXIT DOOR
	EXIT ACCESS DOOR
	FIRE EXTINGUISHER - (W); WALL MOUNTED; (R) RECESSED
	RESCUE WINDOW

- GENERAL CODE NOTES**
- ALL INTERIOR WALLS AND CEILING FINISHES MUST MEET OR EXCEED THE REQUIREMENTS STATED IN NYSBC CHAPTER 8 AND TABLE 803.13.
 - STORAGE ROOMS OVER 100 S.F. SHALL BE SEPARATED BY A MINIMUM 2 HOUR FIRE SEPARATION PER NYSBC TABLE 508.4.
 - ALL GLAZING IN DOOR, FIXED SIDE PANELS ADJOINING DOORS, INTERIOR PARTITIONS WHERE GLAZING EXTENDS TO WITHIN 1'-6" OF FINISHED FLOOR AND GLASS PANELS GREATER THAN 50 SQ. FT. TO BE FULLY TEMPERED SAFETY GLASS PER NYSBC CHAPTER 7.
 - THE MINIMUM CORRIDOR WIDTH SHALL BE 8'-0" AS PER NYSBC MANUAL OF PLANNING STANDARDS.
 - EXITS FROM THE BUILDING HAVE BEEN DESIGNED IN ACCORDANCE WITH THE NUMBER OF EXITS AS REQUIRED IN NYSBC SECTION 1006.
 - TWO (2) ACCESSIBLE ENTRANCES ARE REQUIRED INTO THE BUILDING FROM THE EXTERIOR PER NYSBC SECTION 1105.1.
 - MAXIMUM ALLOWABLE TRAVEL DISTANCE SHALL NOT EXCEED 200'-0" FOR OCCUPANCY TYPE 'E' PER NYSBC SECTION 1017, TABLE 1017.2 (WITHOUT SPRINKLER SYSTEM).
 - PROVIDE PLENUM MARKING AND IDENTIFICATION OF FIRE WALLS AS PER NYSBC SECTION 703.7.
 - PROVIDE POSTING OF OCCUPANCY LOAD SIGNAGE WITHIN EVERY SPACE OF ASSEMBLY AS PER NYSBC.

ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE
 EXTERIOR DESIGN CONDITIONS PER TABLE 301.1
 COUNTY: WESTCHESTER
 ZONE: 4

BUILDING ENVELOPE REQUIREMENTS PER TABLE 602.2(2), 402.1.3 & 402.4

SLAB OR BELOW GRADE WALL	REQUIRED	PROPOSED
R10	R10	R10 MIN. (24" FROM EXT.)
ROOF ASSEMBLY	R30ci	R30ci
ABOVE GRADE WALL (METAL FRAMED)	R13 + 7.5ci	R10 MIN.
EXTERIOR DOORS	U=77 MAX, SHGC = 4 MAX	U=77 MAX, SHGC = 4 MAX
EXTERIOR OPERABLE FENESTRATION	U=45 MAX, SHGC = 4 MAX	U=45 MAX, SHGC = 4 MAX
EXTERIOR FIXED WINDOWS FENESTRATION	U=33 MAX, SHGC = 4 MAX	U=33 MAX, SHGC = 4 MAX

NOTES:
 1. COMPLIANCE PATH PERSCRPTIVE REV C402.1.3
 2. OPAQUE SURFACE AREA MEETS REQ OF C 402.2.

BUILDING CODE OF NEW YORK STATE (NYSBC TABLE 504.3, 504.4 AND 506.2)

	ALLOWED	PROPOSED ADDITION
BUILDING OCCUPANCY	EDUCATION E	EDUCATION E
CONSTRUCTION CLASSIFICATION	TYPE IIB	TYPE IIB
HEIGHT (STORIES, NOTE 1)	TWO	ONE
HEIGHT (FEET, NOTE 1)	55'-0"	± 21'-2"
BUILDING AREA (NOTE 1)	14,500 S.F.	13,603 S.F.

NOTE:
 1. AS PER NYSBC SECTIONS 503, 504 AND 506.
 2. THIS PROJECT SHALL COMPLY WITH ANSI A117.1-2009 FOR HANDICAP ACCESSIBILITY.

EXIT ACCESS TRAVEL DISTANCE (2020 BCNYS TABLE 1017.2)

OCCUPANCY	MAX. DISTANCE WITHOUT SPRINKLERS	PROVIDED
EDUCATION - 'E'	200'-0" (E)	SEE PLAN

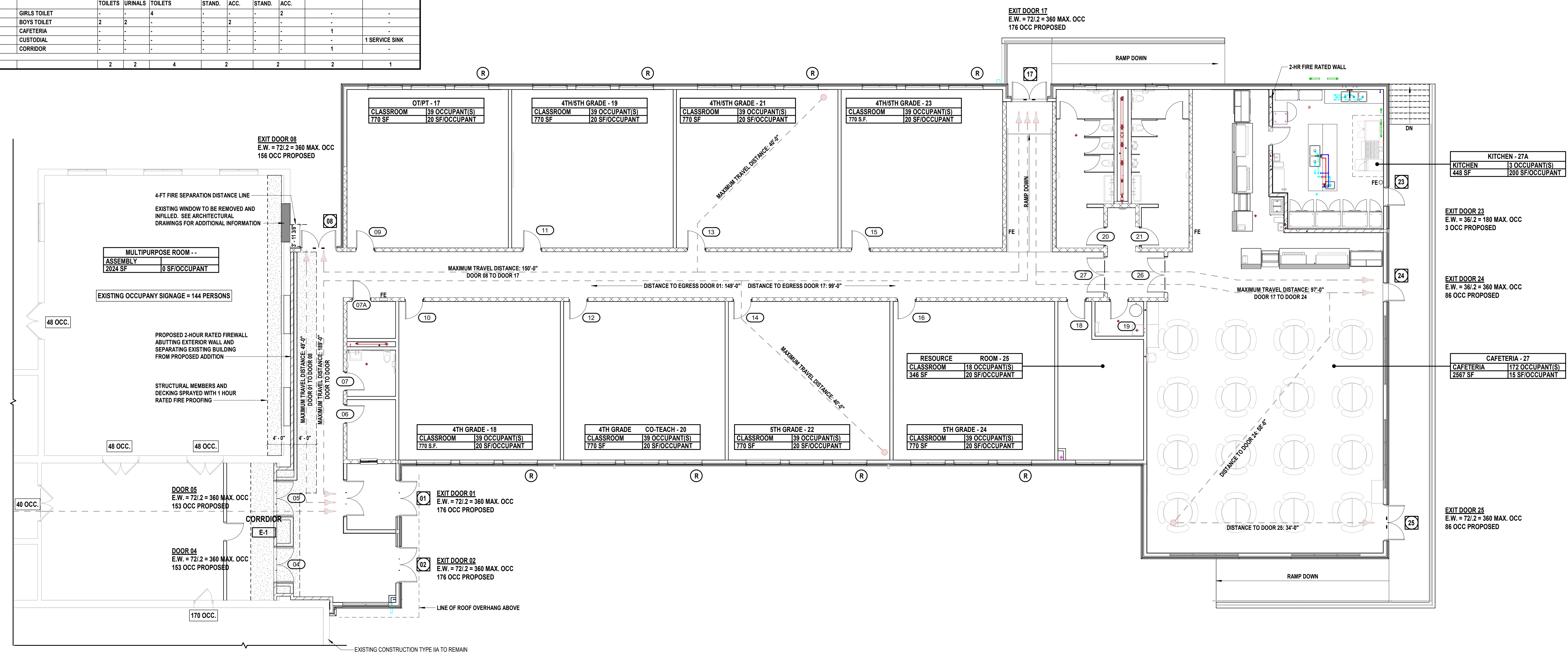
FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (2020 BCNYS TABLE 601 & 602)

BUILDING ELEMENT	HOURS
PRIMARY STRUCTURAL FRAME	0
BEARING WALLS - EXTERIOR	0
BEARING WALLS - INTERIOR	0
NONBEARING WALLS - EXTERIOR	0
NONBEARING WALLS - INTERIOR	0
FLOOR CONSTRUCTION	0
ROOF CONSTRUCTION	0

1. VALUES LISTED REPRESENT MINIMUM GENERAL VALUES, AS REQUIRED BY THE NEW YORK STATE BUILDING CODE. REFER TO PLANS AND SPECIFICATIONS FOR ADDITIONAL FIRE RATING INFORMATION.
 2. SEE DRAWING A-000 FOR CONSTRUCTION/PARTITION TYPES.

MINIMUM NUMBER OF EXITS PER STORY (2020 BCNYS TABLE 1006.3.2)

FLOOR AREA (GROSS)	OCCUPANT LOAD	MINIMUM REQ'D # OF EXITS	# OF EXITS PROVIDED
FIRST FLOOR (PROPOSED ADDITION ONLY)	121	TWO	TWO



- 1 First Floor Code Compliance Plan**
 SCALE: 1/8" = 1'-0"
- REFER TO 'C' DRAWINGS FOR ADDITIONAL SITE INFORMATION.
 - PROPOSED FIREWALL IS 2 HR RATED CONSTRUCTION IN COMPLIANCE WITH NYS IBC 706.4 THE WALL AND RELATED STRUCTURE IS INDEPENDENT OF THE EXISTING BUILDING AND COMPLIES WITH NYS BC 706
 - SEE DETAILS ON A500.00 FOR EXPANSION JOINT DETAIL AT FIRE SEPARATION.

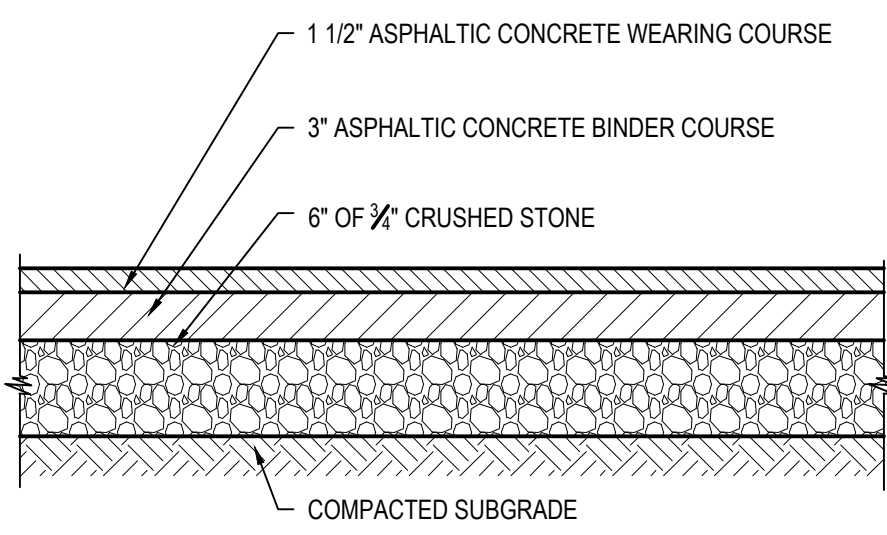
CONSULTANTS:

MARK	DATE	DESCRIPTION
	1/23/25	ISSUED FOR BID
	8/16/24	SED SUBMISSION

REGISTERED ARCHITECT
 SAVERIO J. BELFIORE R.A.
 033063
 STATE OF NEW YORK
 DESIGNED BY: SAVERIO J. BELFIORE R.A.
 DRAWN BY: Author
 CHECKED BY: Checker
 PROJECT No.: HCS2401H
 DATE: JANUARY 2025
 SCALE: AS SHOWN

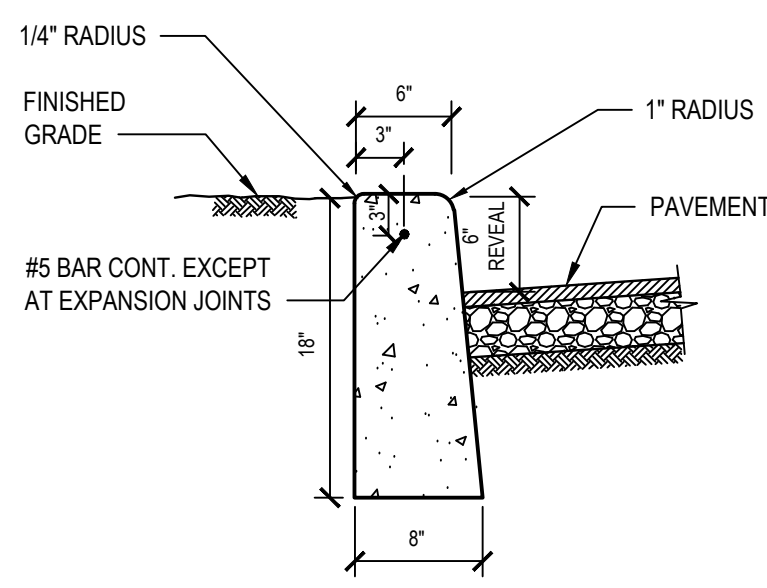
Harrison Central School District
 Building Addition at the Purchase Elementary School
 EQUITY ACCESS
 HARRISON CENTRAL SCHOOL DISTRICT
 ADAPTABILITY RIGOR
 2995 Purchase Street
 Purchase, New York 10577
 SED No.: 66-05-01-06-0-001-027

ALL CONTRACTS
FINAL BID DOCUMENT
 SHEET TITLE
NEW YORK STATE CODE ANALYSIS AND FIRST FLOOR COMPLIANCE PLAN
 DRAWING No.
G 102.00



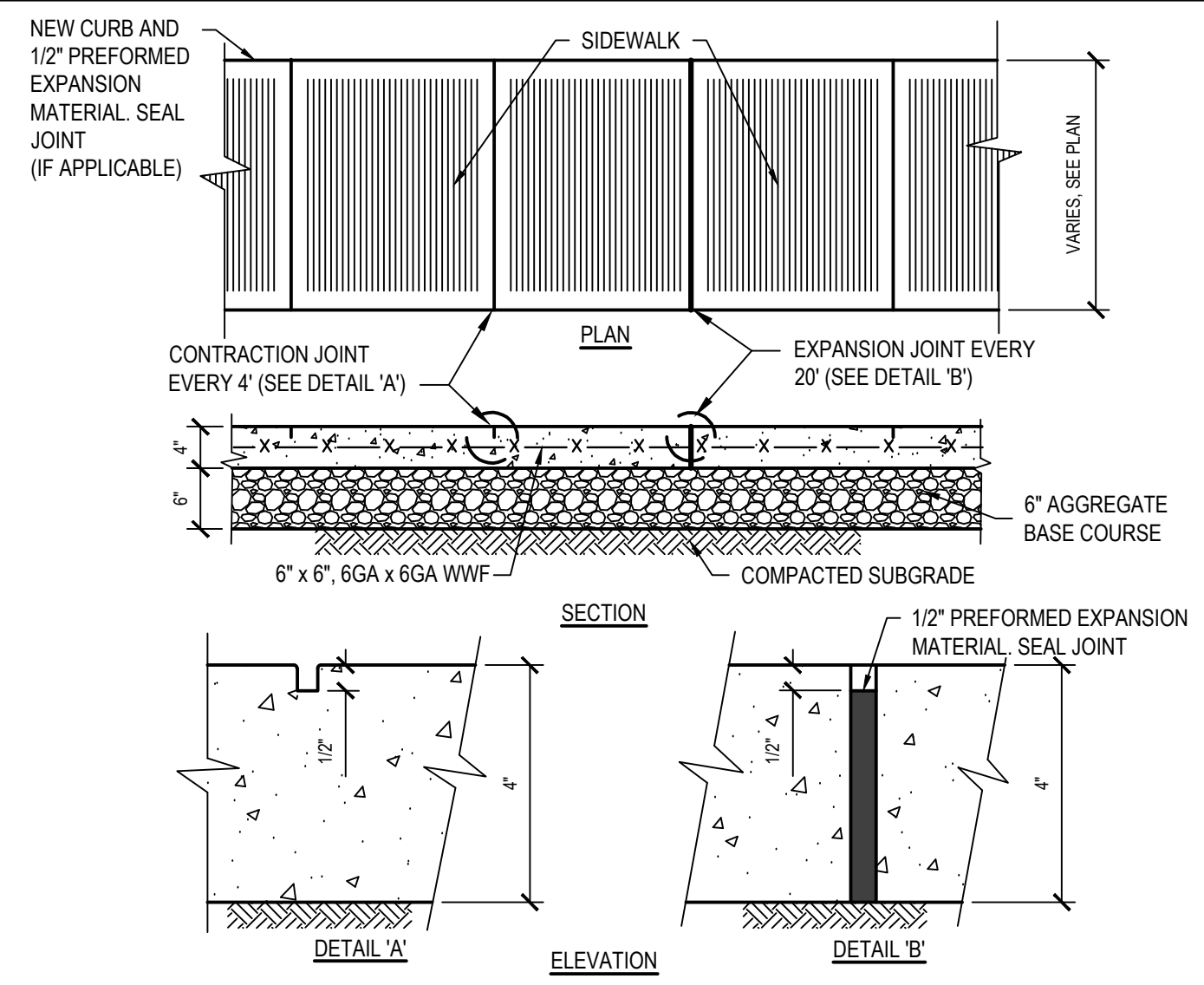
NOTE:
COMPACT SUBGRADE TO 92% MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D1557.

1 Asphalt Pavement - Heavy Duty
SCALE: NTS (321216.13 H2MX2) - U



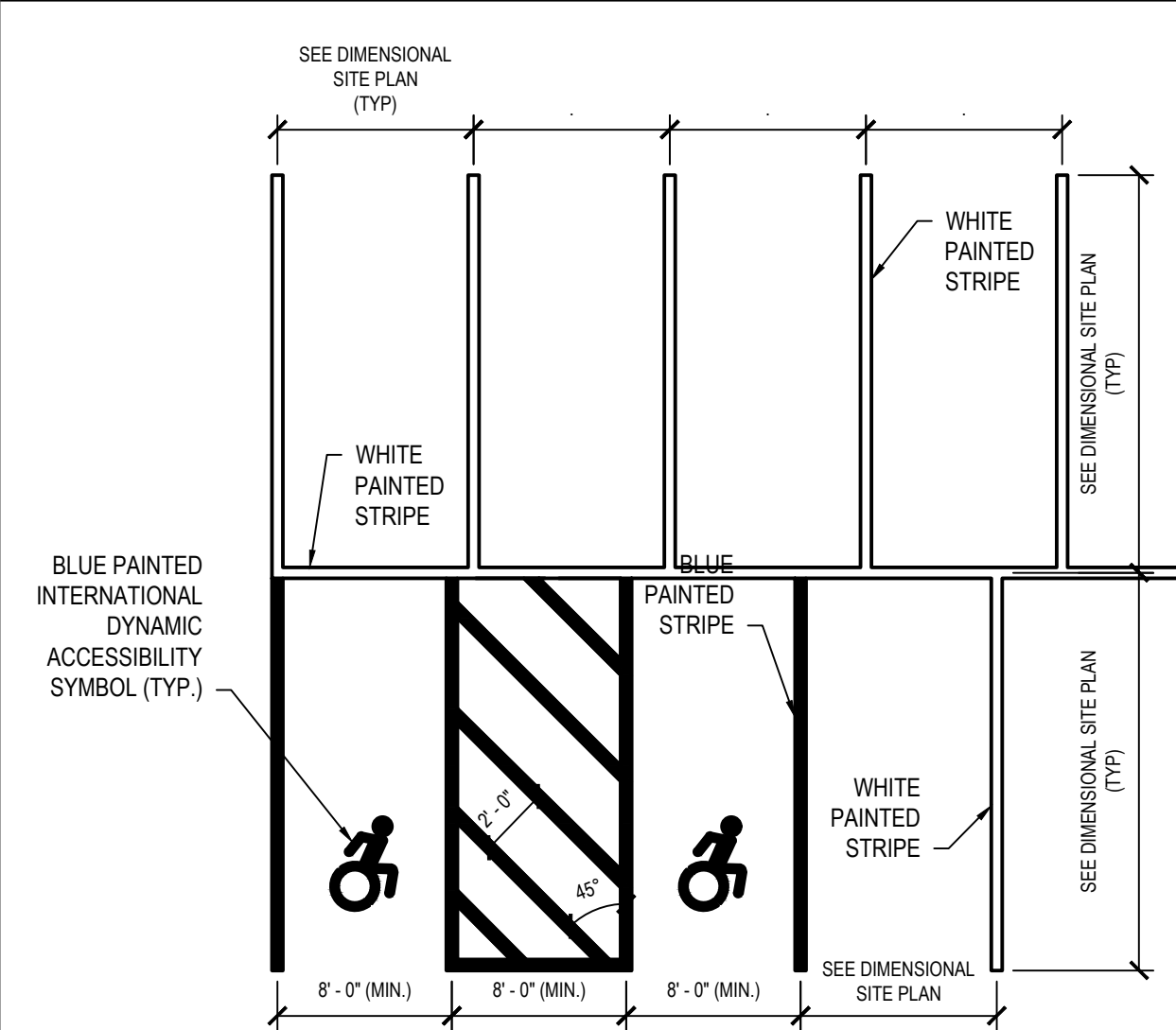
- NOTES:**
- WOOD FLOAT AND BRUSH FINISH ON ALL SURFACES ABOVE GRADE.
 - AT ALL CURB ENDINGS, PROVIDE SMOOTH TRANSITION DOWN TO PAVED SURFACE.
 - PROVIDE 1/2" PREFORMED EXPANSION MATERIAL AT 20' ON CENTER AND AT ALL CORNERS. SET EXPANSION MATERIAL 1/2" BELOW EXPOSED SURFACES AND SEAL JOINT.
 - CONCRETE TO ACHIEVE 4,000 PSI STRENGTH AT 28 DAYS.

2 Concrete Curb
SCALE: NTS (321613.16 H2MX1)



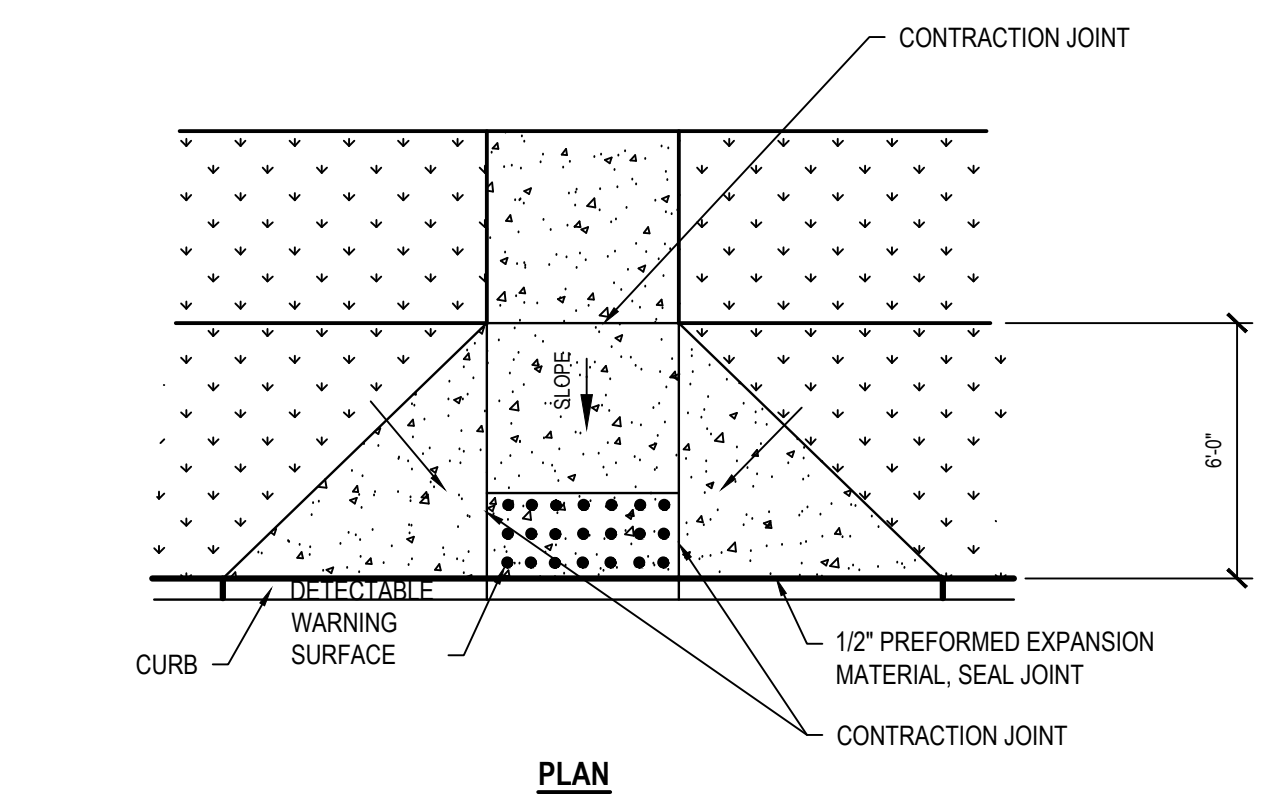
- NOTES:**
- CONCRETE TO ACHIEVE 4000 PSI STRENGTH AT 28 DAYS
 - COMPACT SUBGRADE TO 92% MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D1557.
 - APPLY BROOM FINISH PERPENDICULAR TO DIRECTION OF TRAVEL.

3 Concrete Sidewalk
SCALE: NTS (321313.33 H2MX1)

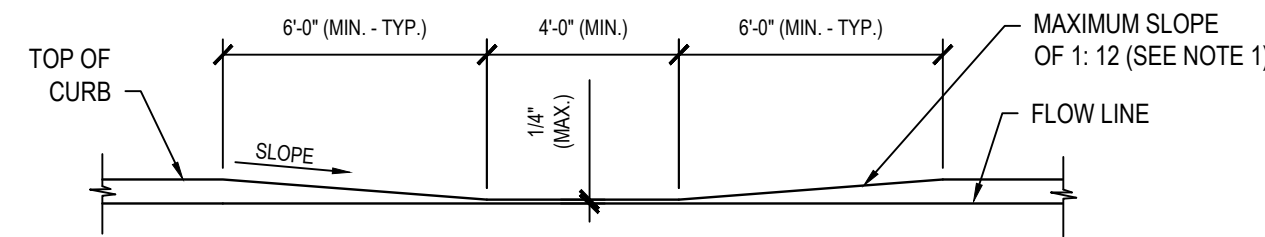


- NOTES:**
- ALL STRIPING TO BE 4" WIDE.
 - SEE DIMENSIONAL SITE PLAN FOR LOCATIONS OF PARKING STALL SIGNAGE.

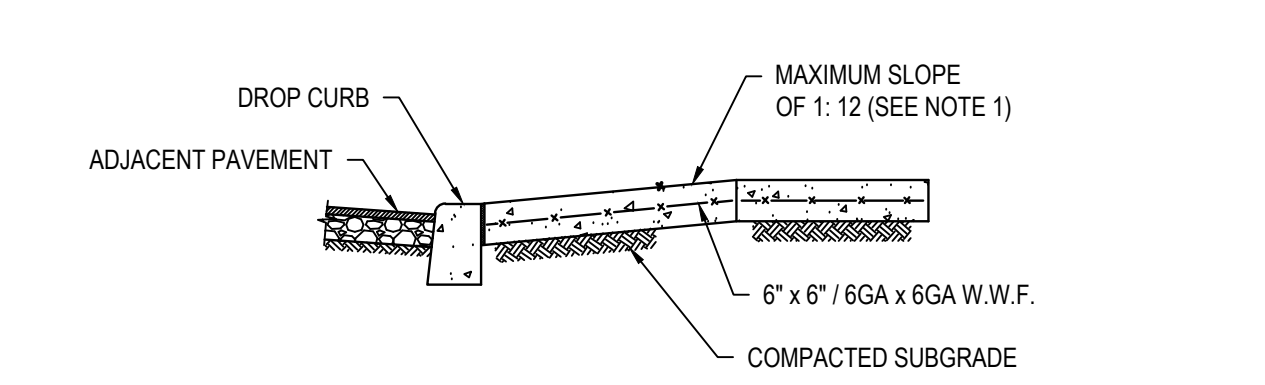
4 Parking Stall Layout - Single Striping
SCALE: NTS (321799.00 H2MX1) - U



PLAN



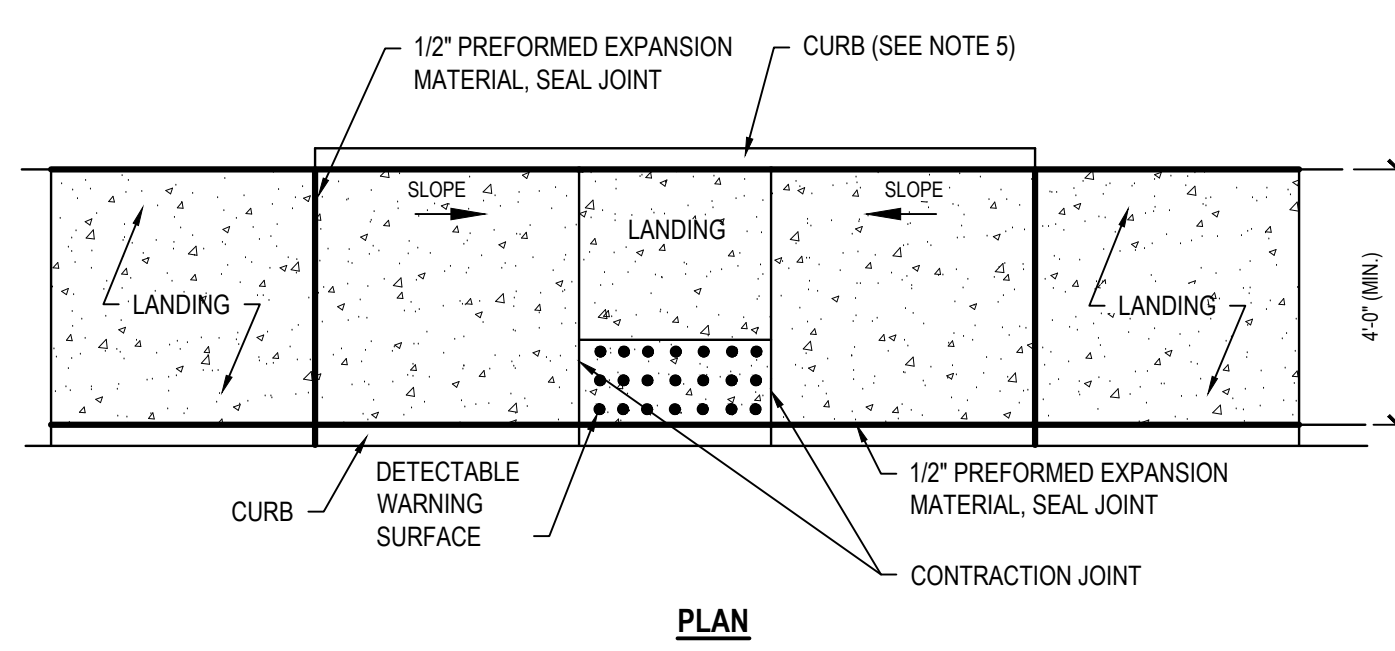
ELEVATION



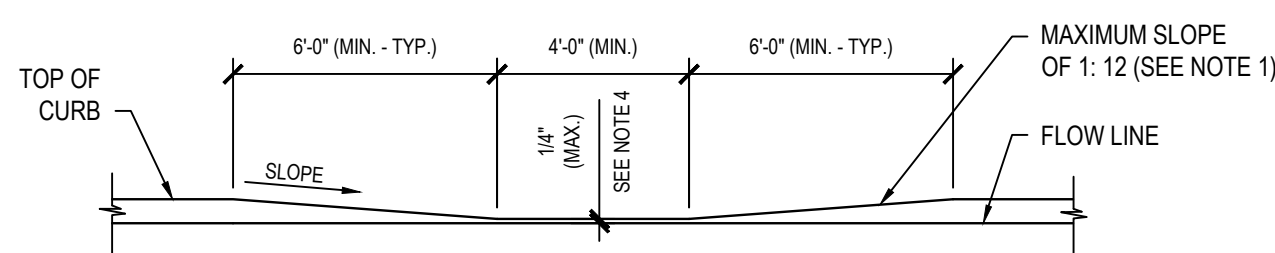
SECTION

- NOTES:**
- DIMENSIONS SHOWN ARE APPLICABLE FOR INSTALLATION WITH 6" CURB REVEAL. DIMENSIONS OF FLARE AND RAMP LENGTH FOR INSTALLATION WITH ALTERNATE CURB REVEALS MAY BE MODIFIED TO MAINTAIN A RAMP SLOPE NOT TO EXCEED 1:12.
 - THE SIZE OF THE DETECTABLE WARNING FIELD SHALL BE 24" IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP EXCLUSIVE OF SIDE FLARES.
 - MAXIMUM SLOPE OF LANDING IS 2% IN ANY DIRECTION.
 - RAMP TRANSITIONS BETWEEN WALKS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT VERTICAL CHANGES (1/4" MAX).
 - CONCRETE TO ACHIEVE 4,000 P.S.I. STRENGTH AT 28 DAYS.
 - COMPACT SUBGRADE TO 92% MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D1557.
 - APPLY BRUSH FINISH PERPENDICULAR TO DIRECTION OF SLOPE.
 - REFER TO CONCRETE SIDEWALK DETAIL FOR INFORMATION REGARDING CONTRACTION AND EXPANSION JOINTS.

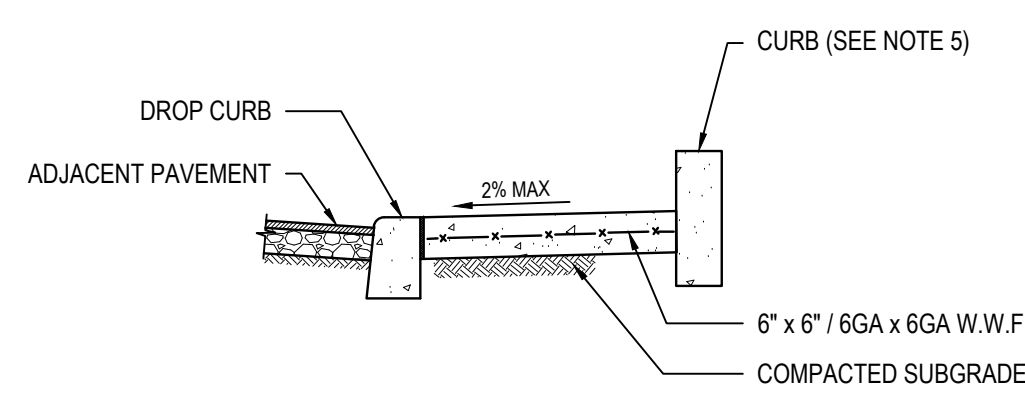
5 Concrete Handicap Ramp - Mid Block - Flare
SCALE: NTS (321313.36 H2MX3) - U



PLAN



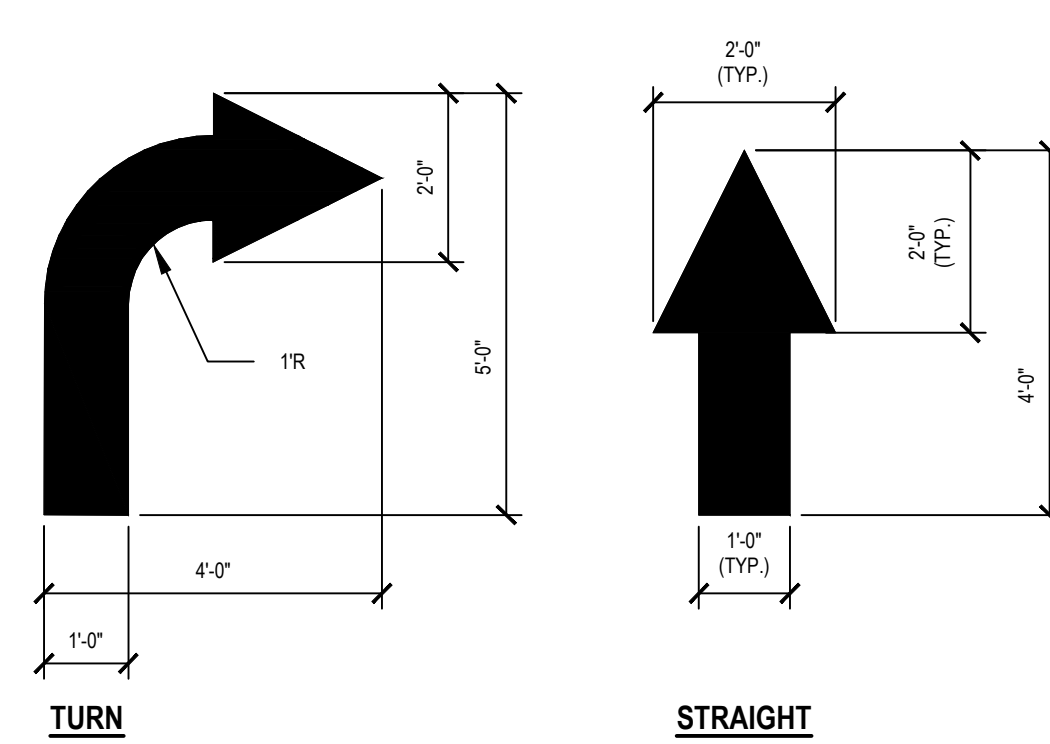
ELEVATION



SECTION

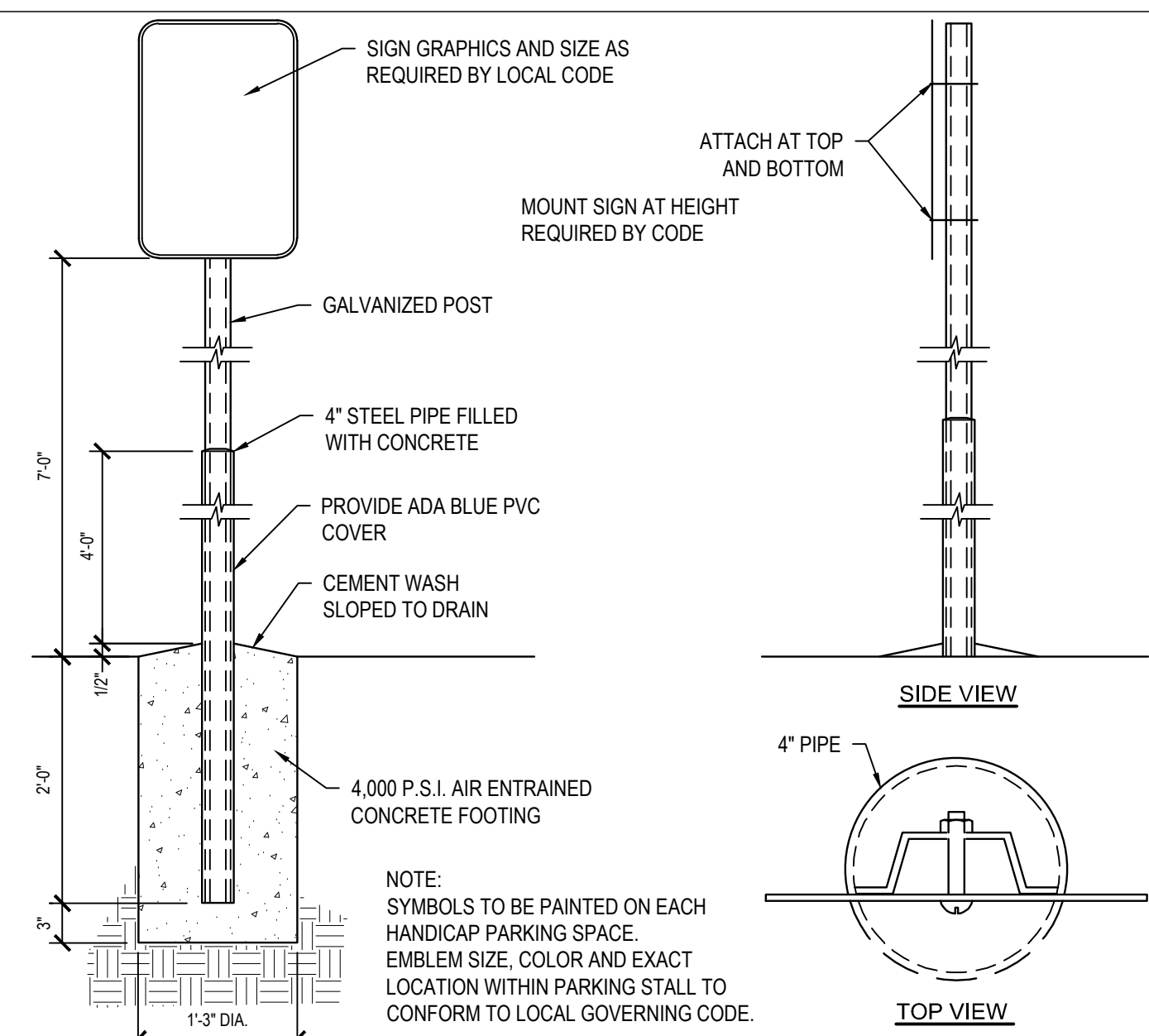
- NOTES:**
- DIMENSIONS SHOWN ARE APPLICABLE FOR INSTALLATION WITH 6" CURB REVEAL. DIMENSIONS OF FLARE AND RAMP LENGTH FOR INSTALLATION WITH ALTERNATE CURB REVEALS MAY BE MODIFIED TO MAINTAIN A RAMP SLOPE NOT TO EXCEED 1:12.
 - THE SIZE OF THE DETECTABLE WARNING FIELD SHALL BE 24" IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP EXCLUSIVE OF SIDE FLARES.
 - MAXIMUM SLOPE OF LANDING IS 2% IN ANY DIRECTION.
 - RAMP TRANSITIONS BETWEEN WALKS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT VERTICAL CHANGES (1/4" MAX).
 - OMIT CURB FOR INSTALLATIONS ADJACENT TO BUILDING FOUNDATIONS.
 - CONCRETE TO ACHIEVE 4,000 P.S.I. STRENGTH AT 28 DAYS.
 - COMPACT SUBGRADE TO 92% MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D1557.
 - APPLY BRUSH FINISH PERPENDICULAR TO DIRECTION OF SLOPE.
 - REFER TO CONCRETE SIDEWALK DETAIL FOR INFORMATION REGARDING CONTRACTION AND EXPANSION JOINTS.

6 Concrete Handicap Ramp - Mid Block - Parallel
SCALE: NTS (321313.36 H2MX3) - U

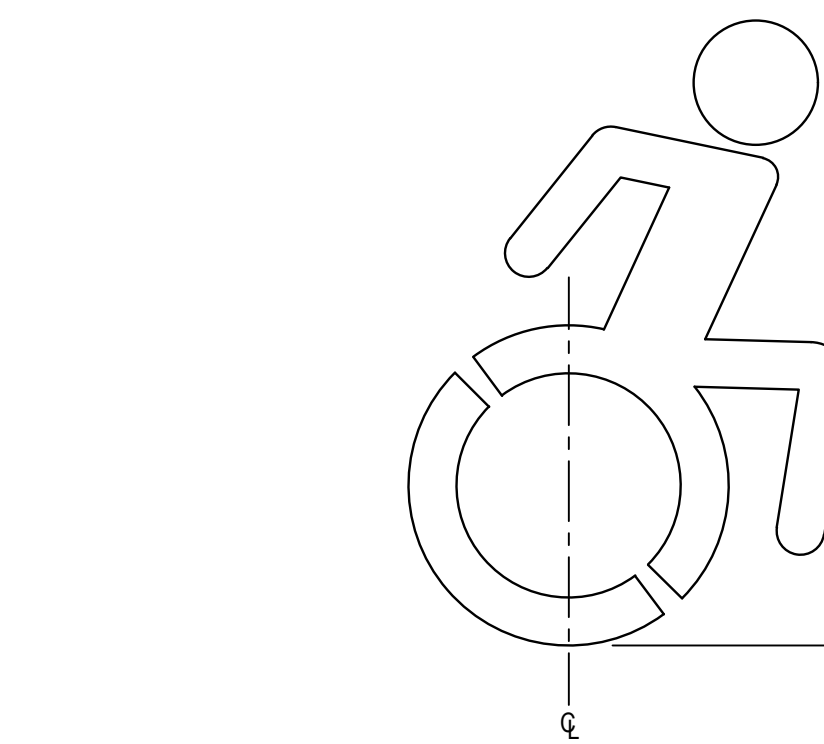


- NOTES:**
- ALL ARROWS MAY NOT BE APPLICABLE TO THIS PROJECT. REFER TO SITE PLAN SHEETS.
 - TURN ARROW DETAILS SHOWN ARE FOR LEFT TURN. REVERSE DETAILS AS REQUIRED FOR RIGHT TURNS.

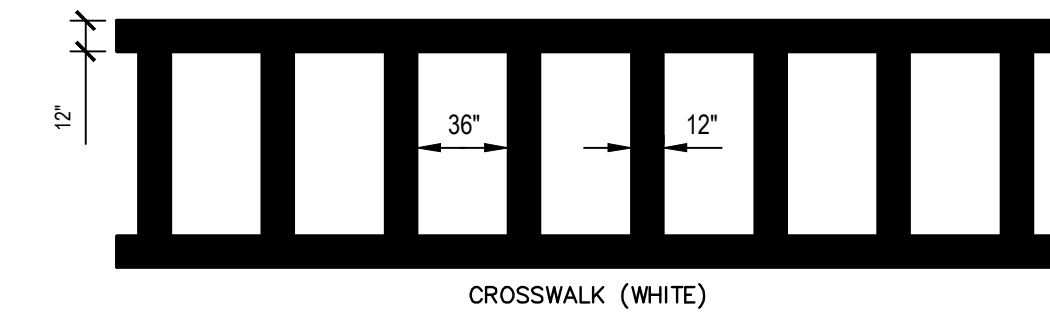
7 Directional Arrows - On Site
SCALE: NTS (321723.13 H2MX1) - U



9 Post - Mounted ADA Sign
SCALE: NTS (101453 H2MX1 ADA) - U



8 Dynamic Accessibility Symbol
SCALE: NTS (321799.01 H2MX1)



10 Crosswalk Detail
SCALE: NTS

CONSULTANTS:

MARK	DATE	DESCRIPTION

MARK	DATE	DESCRIPTION

STATE OF NEW YORK
SEAN PATRICK CALLAHAN
REGISTERED PROFESSIONAL ENGINEER
092068-1

SEAN P. CALLAHAN, P.E.
NY PROFESSIONAL ENGINEER LIC. NO. 06309
REGISTERED PROFESSIONAL ARCHITECT
NY ARCHITECTURE & LANDSCAPE ARCHITECTURE: NO CERTIFICATE REQUIRED
NY ENGINEERING CERTIFICATE OF AUTHORIZATION NO. 0018173

DESIGNED BY: SJP DRAWN BY: SJP CHECKED BY: SPC REVIEWED BY: SPC
PROJECT No.: HCSD2401H DATE: JANUARY 2024 SCALE: AS SHOWN

Harrison Central School District

Building Addition at the Purchase Elementary School

EQUITY • ACCESS
HARRISON CENTRAL SCHOOL DISTRICT
ADAPTABILITY • RIGOR

2995 Purchase Street
Purchase, New York 10577

SED No.: 66-05-01-06-0-001-027

CONTRACT: CONTRACT G
GENERAL CONSTRUCTION

STATUS: FINAL BID DOCUMENT

SHEET TITLE: SITE DETAILS

DRAWING NO: **C 500.00**

CONSULTANTS:

MARK	DATE	DESCRIPTION
	1/23/25	ISSUED FOR BID
	8/16/24	SED SUBMISSION



DANIEL J. AIELLO, P.E.
 No. 100515
 PROFESSIONAL ENGINEER L.I.C. No. 100515
 DRAWN BY: MDH/JES
 CHECKED BY: JES
 DATE: JANUARY 2025
 SCALE: AS SHOWN

Harrison Central School District

Building Addition at the Purchase Elementary School



2995 Purchase Street
 Purchase, New York 10577

SED No.: 66-05-01-06-0-001-027

**CONTRACT G
 GENERAL CONSTRUCTION WORK**

FINAL BID DOCUMENT

SHEAR WALL PLAN

S 120.00

LEGEND:
 = PROPOSED COLD-FORMED STEEL SHEAR WALL LOCATION
 = PROPOSED COLD-FORMED STEEL LOAD-BEARING WALL LOCATION

COLD-FORMED STEEL NOTES:

- ALL LIGHT GAUGE STUD WALLS, BOX HEADERS, LATERAL SHEAR WALLS, COLLECTORS, AND SILLS SHALL BE DESIGNED BY THE COLD-FORMED STEEL FABRICATOR. THE FABRICATOR'S ENGINEER SHALL SUBMIT A FULL SET OF CALCULATIONS AFFIXED WITH A NEW YORK STATE P.E.'S SIGN & SEAL TO THE A/E OF RECORD TO REVIEW. DESIGN OF COLD-FORMED STEEL FRAMING SHALL BE IN CONFORMANCE WITH THE BUILDING CODE OF NEW YORK STATE. EXTERIOR CLADDING SYSTEMS AND ANCILLARY STRUCTURES SUPPORTED BY THE COLD-FORMED STEEL SYSTEM SHALL BE CONSIDERED ACCORDINGLY. REFER TO COLD-FORMED STEEL SPECIFICATIONS AND SHEET S-401 FOR ADDITIONAL REQUIREMENTS.
- FLOOR PLAN SHOWING SHEAR WALL & LOAD BEARING WALL ELEMENTS ONLY. REFRAMING COLD-FORMED STEEL PARTITION WALLS NOT SHOWN ON PLAN FOR CLARITY PURPOSES
- REFER TO 'A' DRAWINGS FOR WALL PACKAGES, ELEVATIONS, AND DIMENSIONS NOT INDICATED ON PLAN

SHEAR WALL SCHEDULE

STUD WALL DESIGNATION	HOLDOWN	BRACE MAX. LOAD (ASD)	END POST MAX. LOAD (ASD)	TOP SHEAR MAX. LOAD (ASD)	CAST-IN ANCHORS
SW-1	"SHDU11" HOLDOWN BY SIMPSON STRONG-TIE OR APPROVED EQUAL. FOLLOW MANUFACTURER'S SPECIFICATIONS REGARDING QUANTITY AND SIZE OF STUD FASTENERS.	± 14.5 KIP	± 11.0 KIP	± 5.0 KIP	7/8" Ø F1554 GRADE 55KSI STUD ANCHOR W/ HEAVY HEX NUT. EMBED ANCHOR 12" INTO FOUNDATION WALL
SW-2	"SHDU11" HOLDOWN BY SIMPSON STRONG-TIE OR APPROVED EQUAL. FOLLOW MANUFACTURER'S SPECIFICATIONS REGARDING QUANTITY AND SIZE OF STUD FASTENERS.	± 14.5 KIP	± 10.0 KIP	± 5.0 KIP	7/8" Ø F1554 GRADE 55KSI STUD ANCHOR W/ HEAVY HEX NUT. EMBED ANCHOR 12" INTO FOUNDATION WALL
SW-3	"SHDU11" HOLDOWN BY SIMPSON STRONG-TIE OR APPROVED EQUAL. FOLLOW MANUFACTURER'S SPECIFICATIONS REGARDING QUANTITY AND SIZE OF STUD FASTENERS.	± 15.0 KIP	± 11.0 KIP	± 5.0 KIP	7/8" Ø F1554 GRADE 55KSI STUD ANCHOR W/ HEAVY HEX NUT. EMBED ANCHOR 12" INTO FOUNDATION WALL
SW-4	"SHDU11" HOLDOWN BY SIMPSON STRONG-TIE OR APPROVED EQUAL. FOLLOW MANUFACTURER'S SPECIFICATIONS REGARDING QUANTITY AND SIZE OF STUD FASTENERS.	± 8.0 KIP	± 7.0 KIP	± 5.0 KIP	7/8" Ø F1554 GRADE 55KSI STUD ANCHOR W/ HEAVY HEX NUT. EMBED ANCHOR 12" INTO FOUNDATION WALL
SW-5	"SHDU11" HOLDOWN BY SIMPSON STRONG-TIE OR APPROVED EQUAL. FOLLOW MANUFACTURER'S SPECIFICATIONS REGARDING QUANTITY AND SIZE OF STUD FASTENERS.	± 14.5 KIP	17.0 KIP COMPR., 10K TENSION	± 5.0 KIP	7/8" Ø F1554 GRADE 55KSI STUD ANCHOR W/ HEAVY HEX NUT. EMBED ANCHOR 12" INTO FOUNDATION WALL

NOTES:

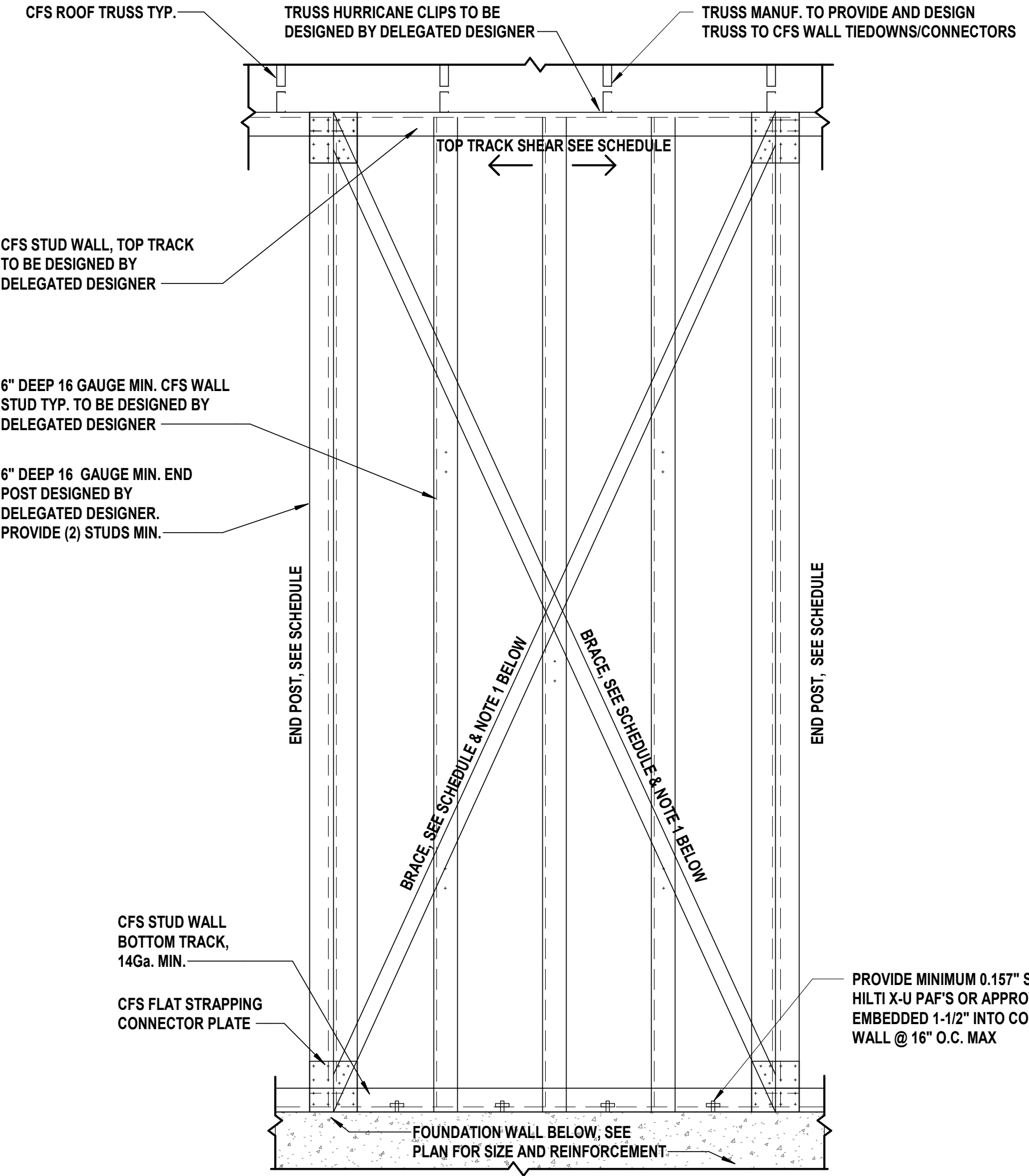
- SEE DETAIL 2/S120 FOR MINIMUM FLAT STRAP REQUIREMENTS.
- ALL LIGHT GAUGE SHEAR WALLS INCLUDING END POSTS, STRAPPING, TRACKS, AND CONNECTOR PLATES SHALL BE DESIGNED BY THE COLD-FORMED STEEL FABRICATOR. THE FABRICATOR'S ENGINEER SHALL SUBMIT A FULL SET OF CALCULATIONS AFFIXED WITH A NEW YORK P.E.'S SIGN & SEAL TO THE A/E OF RECORD TO REVIEW.

HEADER SCHEDULE

HEADER DESIGNATION	UNIFORM DEAD LOAD UNFACTORED	UNIFORM LIVE LOAD UNFACTORED	UNIFORM SNOW LOAD UNFACTORED	OUT OF PLANE LOAD UNFACTORED	COMMENTS
HDR-1	SEE NOTE 4	SEE NOTE 4	SEE NOTE 4	C&C SEE DESIGN LOADS	-

NOTES:

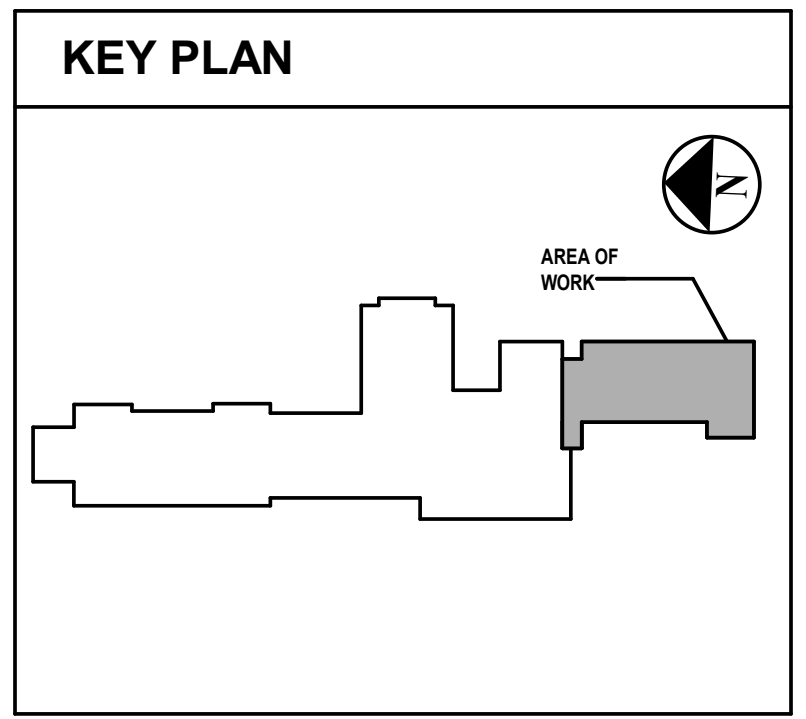
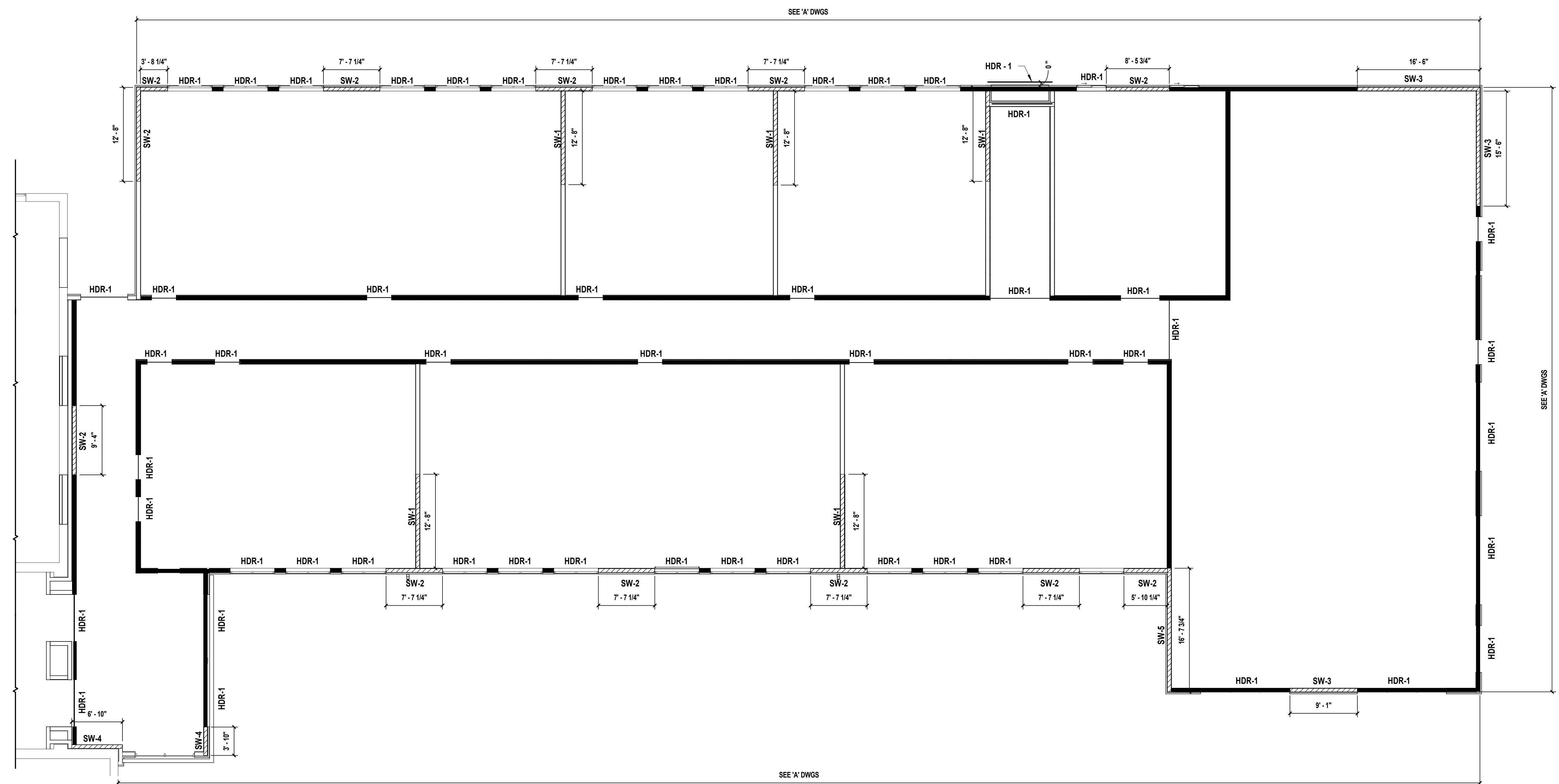
- HEADER DESIGNATION IS BASED ON LOAD GROUPING, REFER TO 'A' DWGS FOR LENGTH OF HEADER AND HEIGHTS OF CFS WALL ABOVE HEADER.
- UNIFORM LOADS SHOWN HEREIN ARE BASED ON ROOF TRIBUTARY LOADS.
- ALL HEADERS AND SUPPORT POSTS SHALL BE DESIGNED FOR OUT OF PLANE C&C WIND LOADS.
- SEE S-401 FOR DESIGN CRITERIA.



NOTES:

- PROVIDE STRAPPING TO BOTH FACES OF THE WALL IN EACH BRACE DIRECTION (NOT SHOWN FOR CLARITY). REFER TO DETAILS 8 & 10 ON SHEET S520.00 FOR ISOMETRIC VIEW.
- TRUSS BLOCKING AND BRIDGING TO BE PROVIDED BY TRUSS MANUFACTURER (NOT SHOWN FOR CLARITY).

2 Typical Shear Wall Diagram
 SCALE: 3/4" = 1'-0"

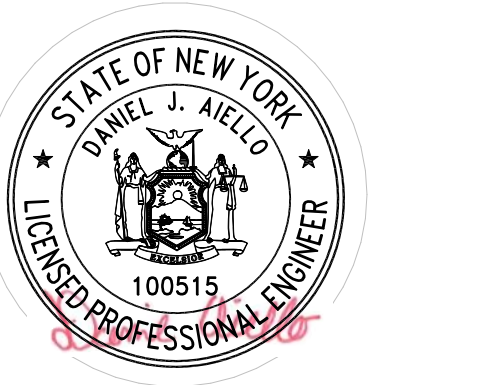


1 Shear Wall Plan
 SCALE: 1/8" = 1'-0"

CONSULTANTS:

MARK	DATE	DESCRIPTION

MARK	DATE	ISSUED FOR BID	SED SUBMISSION



DANIEL J. AIELLO, P.E.
 04/30/2027
 40 PROFESSIONAL ENGINEER L.U. NO. 100515

DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED BY
MDJ/JES	JES	DJA	
PROJECT No.	DATE	SCALE	AS SHOWN
HCS2401H	JANUARY 2025		

CLIENT
Harrison Central School District

Building Addition at the Purchase Elementary School



2995 Purchase Street
 Purchase, New York 10577

SED No.: 66-05-01-06-0-001-027

CONTRACT
**CONTRACT G
 GENERAL CONSTRUCTION WORK**

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**STRUCTURAL
 BUILDING
 ROOF FRAMING PLAN**

DRAWING No.
S 123.00

- LEGEND:**
- T# = PRE-ENGINEERED LIGHT GAUGE TRUSS DESIGNATION - SEE SHEET \$600.00 FOR MORE INFO
 - T.O.D. = TOP OF DECK
 - U.O.N. = UNLESS OTHERWISE NOTED
 - C = COLUMN/POST
 - HDR = OPENING HEADER
 - S.W. = SHEAR WALL
 - D.D. = DELEGATED DESIGNER

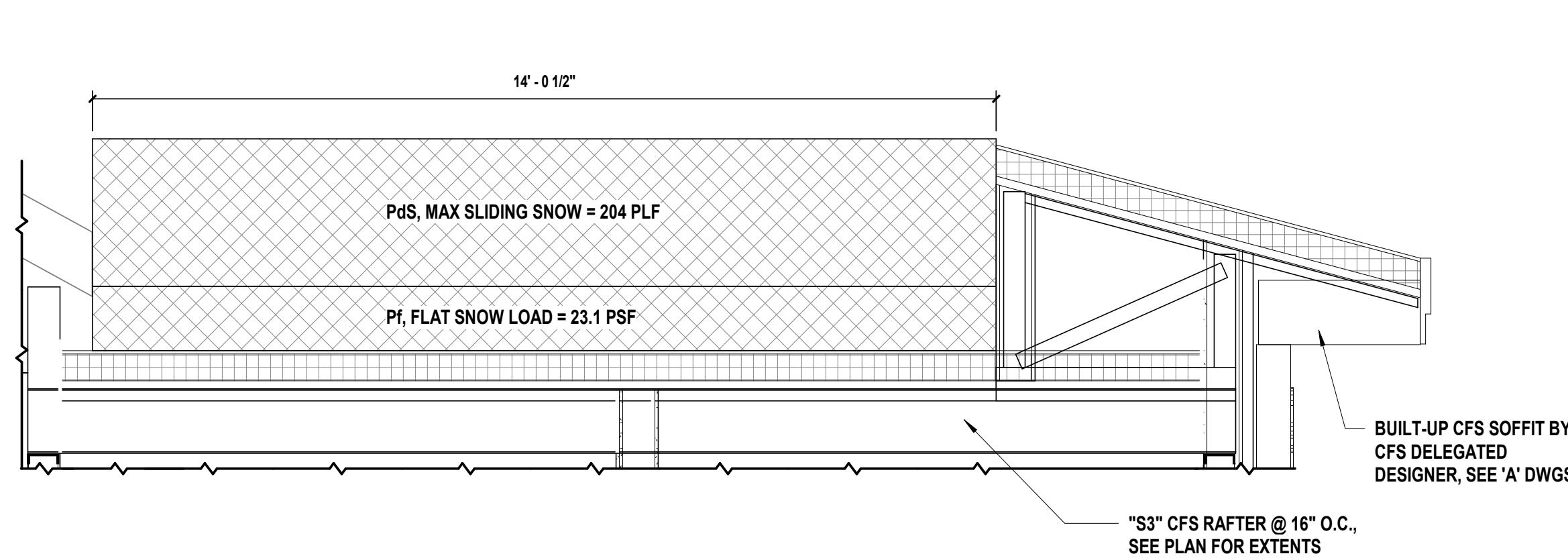
- ROOF FRAMING & PRE-ENGINEERED TRUSS NOTES:**
1. REFER TO 'A' DWGS. FORTOP OF PLATE ELEVATIONS FOR CFS WALLS.
 2. D1 INDICATES SPAN OF 1.5B 20GA. METAL DECK AS MANUFACTURED BY VULCRAFT NUCOR OR APPROVED EQUAL.
 3. R1 INDICATES SPAN OF MIN. 6" CFS RAFTERS @ 16" O.C. AS DESIGNED BY CFS MANUFACTURER.
 4. R2 INDICATES SPAN OF MIN. 12" CFS RAFTERS @ 16" O.C. AS DESIGNED BY CFS MANUFACTURER.
 5. ALL LIGHT GAUGE EXTERIOR STUD WALLS, BOX HEADERS, ROOF RAFTERS, AND SILLS SHALL BE DESIGNED BY THE COLD FORMED STEEL FABRICATOR. THE FABRICATOR'S ENGINEER SHALL SUBMIT A FULL SET OF CALCULATIONS AFFIXED WITH A NEW YORK STATE P.E.'S SIGN & SEAL TO THE A/E OF RECORD TO REVIEW. DESIGN OF COLD-FORMED STEEL FRAMING SHALL INCLUDE CONSIDERATION FOR ALL APPLICABLE LOADS AS SHOWN ON SHEET \$601 AND SHALL BE IN CONFORMANCE WITH THE BUILDING CODE OF NEW YORK STATE. EXTERIOR CLADDING SYSTEMS AND ANCILLARY STRUCTURES SUPPORTED BY THE COLD FORMED STEEL SYSTEM SHALL BE CONSIDERED ACCORDINGLY. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 6. CONTRACTOR SHALL COORDINATE FINAL DIMENSIONS OF HVAC UNITS & DUCT SIZES WITH CONTRACT 'M' AND THE APPROVED UNIT MANUFACTURER.
 7. SNOW DRIFT REGIONS AT TRUSSES NOT SHOWN ON ROOF FRAMING PLAN FOR CLARITY. PLEASE REFER TO TRUSS PROFILE DETAILS ON SHEET \$600.00 FOR SNOW DRIFT EXTENTS.
 8. CONTRACTOR SHALL COORDINATE FINAL DIMENSIONS OF ROOF HATCH OPENING WITH THE APPROVED TRUSS MANUFACTURER SHOP DRAWINGS.
 9. WALL MOUNTED ROOFTOP LADDER TO MOUNT TO CFS BOXBEAM HEADER DESIGNED BY CFS MANUFACTURER. SEE 'A' DWGS. FOR ROOF TOP LADDER DETAIL.
 10. REFER TO 'A' AND 'P' DWGS. FOR ROOF DRAIN LOCATIONS.

- EQUIPMENT WEIGHTS:**
- NOTE THAT EQUIPMENT WEIGHTS ARE SUBJECT TO CHANGE. CONTRACTOR TO COORDINATE WEIGHTS FROM EQUIPMENT MANUFACTURERS WITH TRUSS MANUFACTURER.

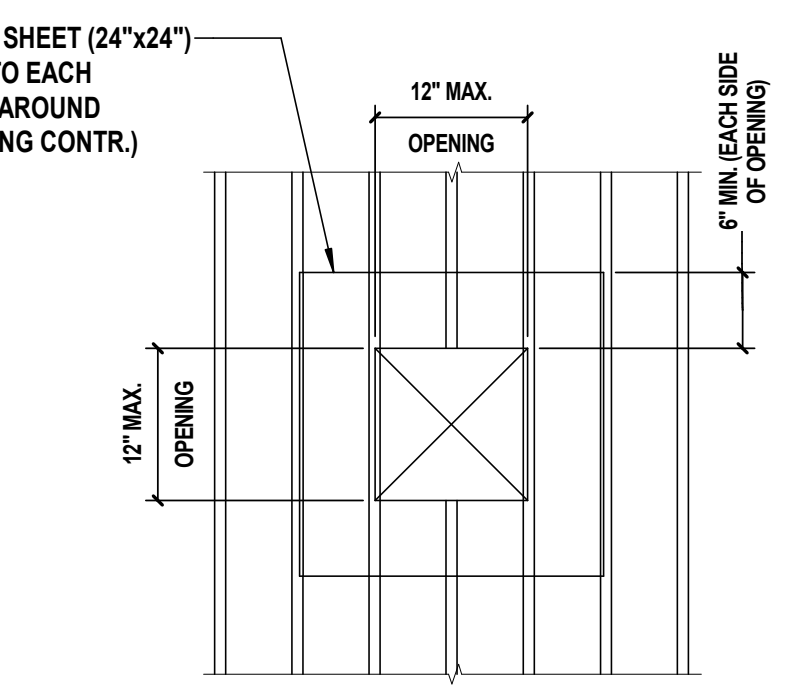
POST SCHEDULE

MARK	SIZE	BASEPLATE	NOTE
C	BY D.D.	-	1, 2

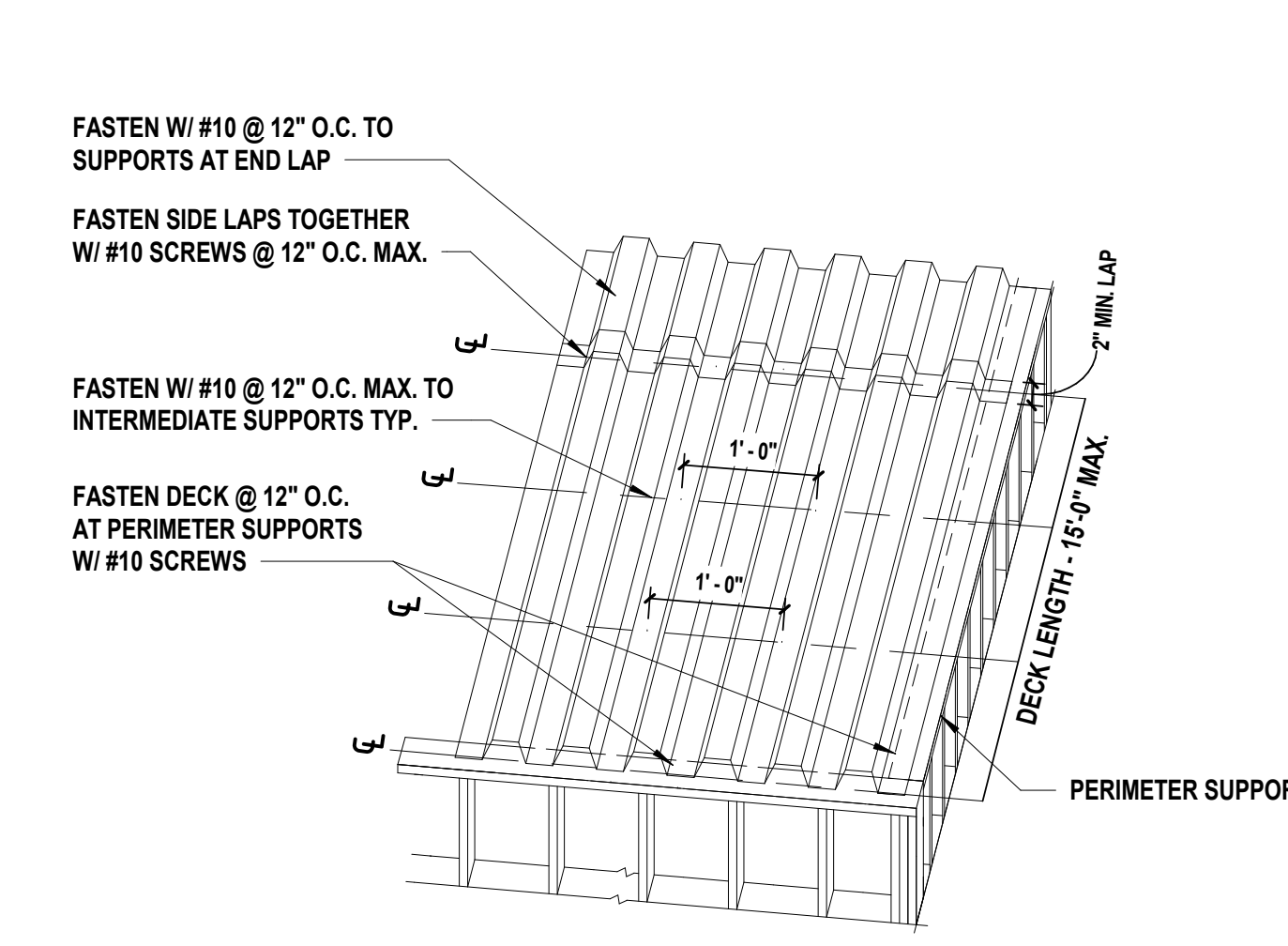
- NOTES:**
1. CFS POST TO BE DESIGNED AND PROVIDED BY COLD FORM STEEL FRAMING DELEGATED DESIGNER. DESIGN SHALL BE BASED ON THE LOADS PROVIDED HERIN. SEE SHEAR WALL SCHEDULE
 2. POSTS SHALL BE SET AT AN ELEVATION FROM THE TOP OF FINISHED FIRST FLOOR, TO THE BOTTOM OF ROOF/HEADER MEMBERS. SEE BASEPLATE SCHEDULE FOR MORE REQUIREMENTS. REFER TO 'A' DWGS. FOR ELEVATIONS.



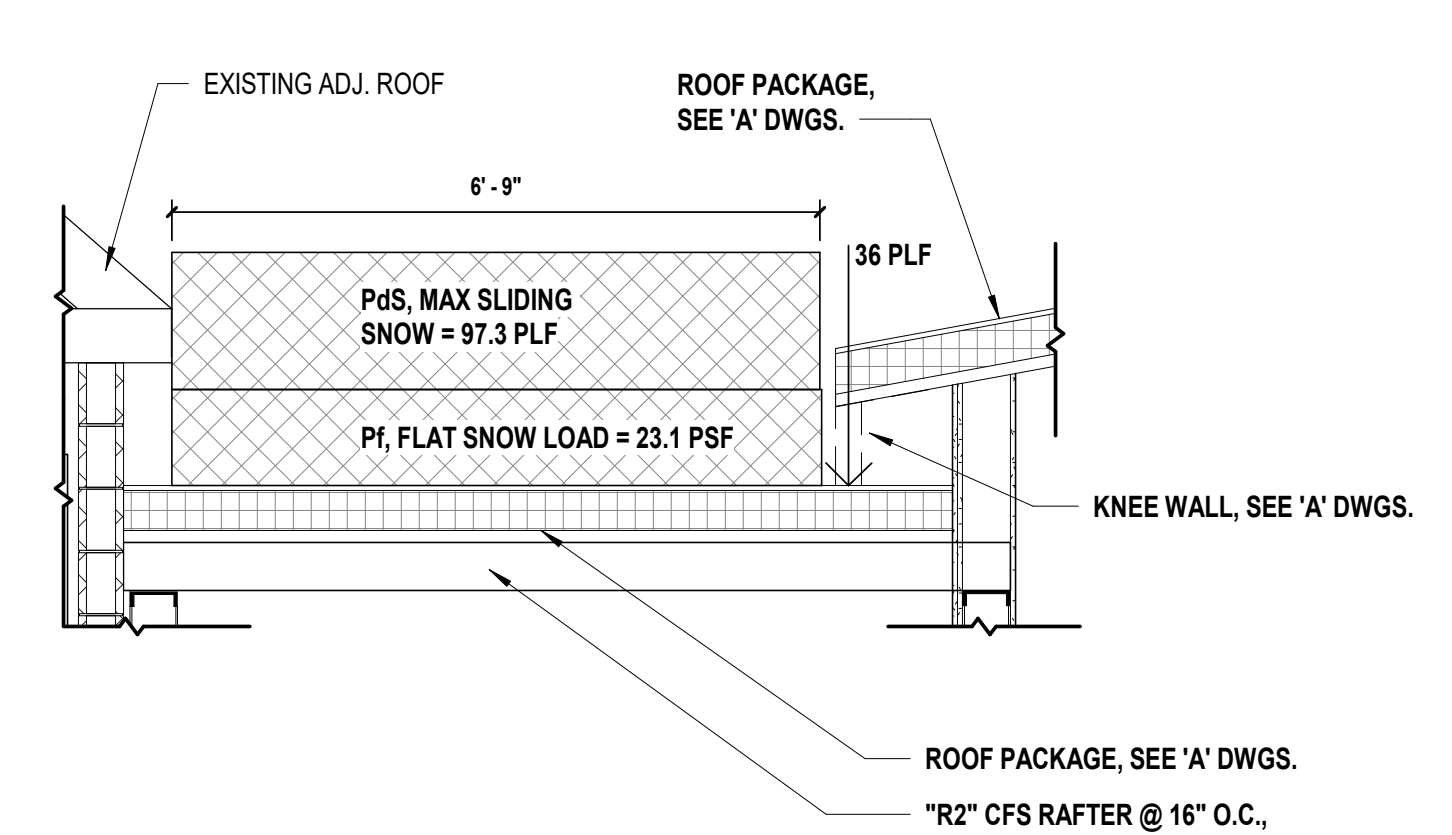
2 "S3" CFS Rafter Loading Diagram - Vestibule
 SCALE: 1/8" = 1'-0"



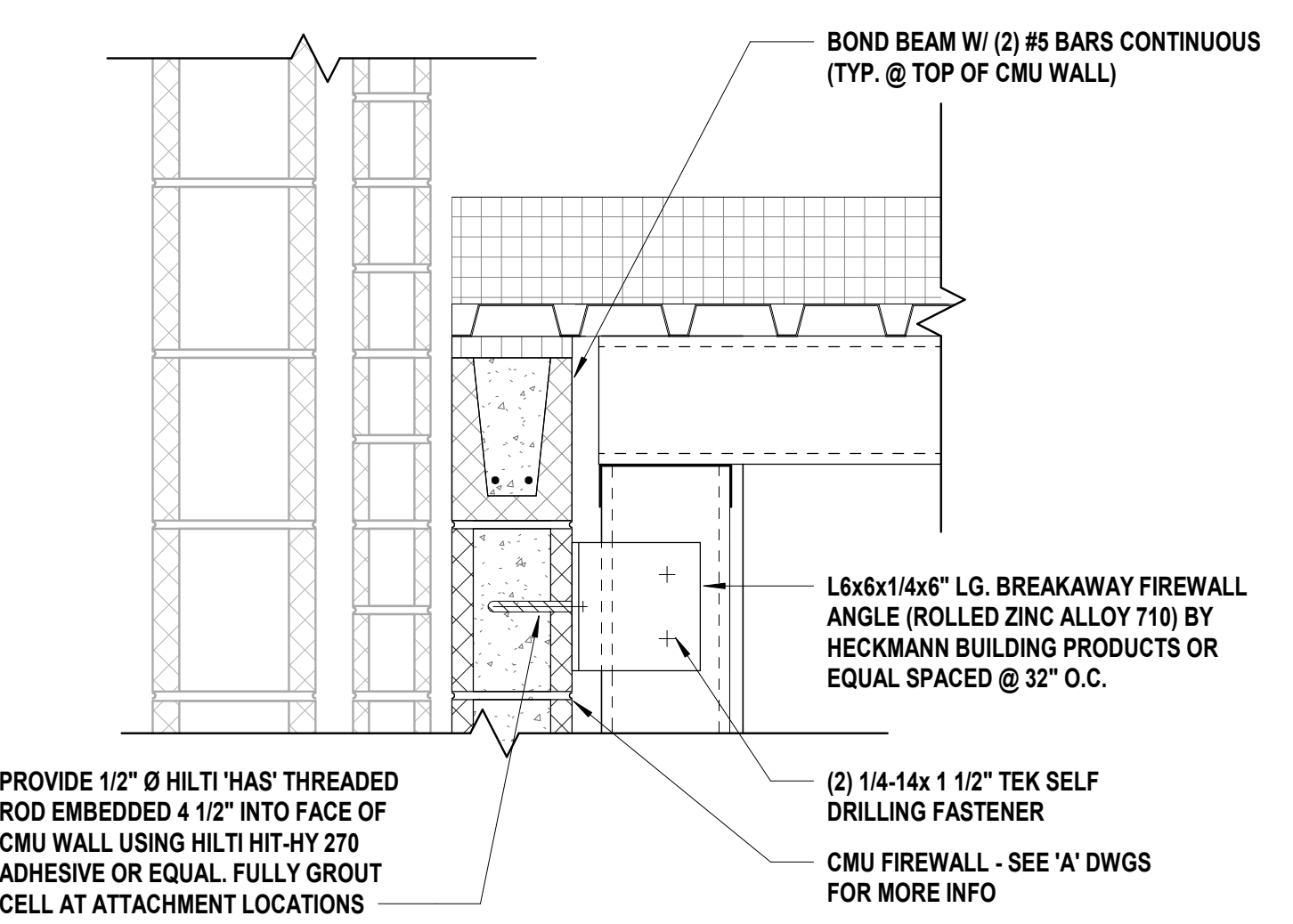
4 Typical Floor Details at Openings 12" Max
 SCALE: N.T.S.



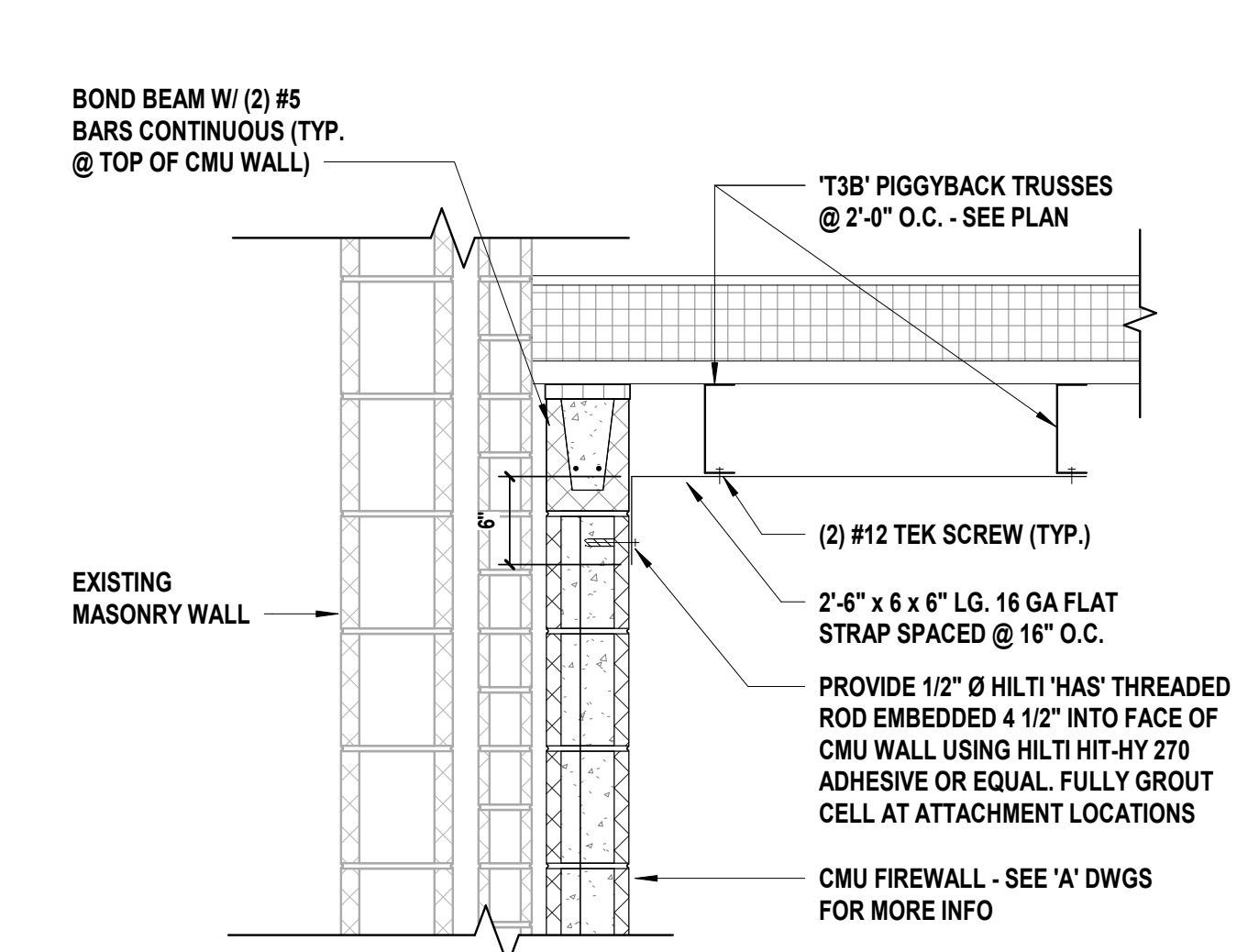
5 Typical Roof Deck Detail
 SCALE: N.T.S.



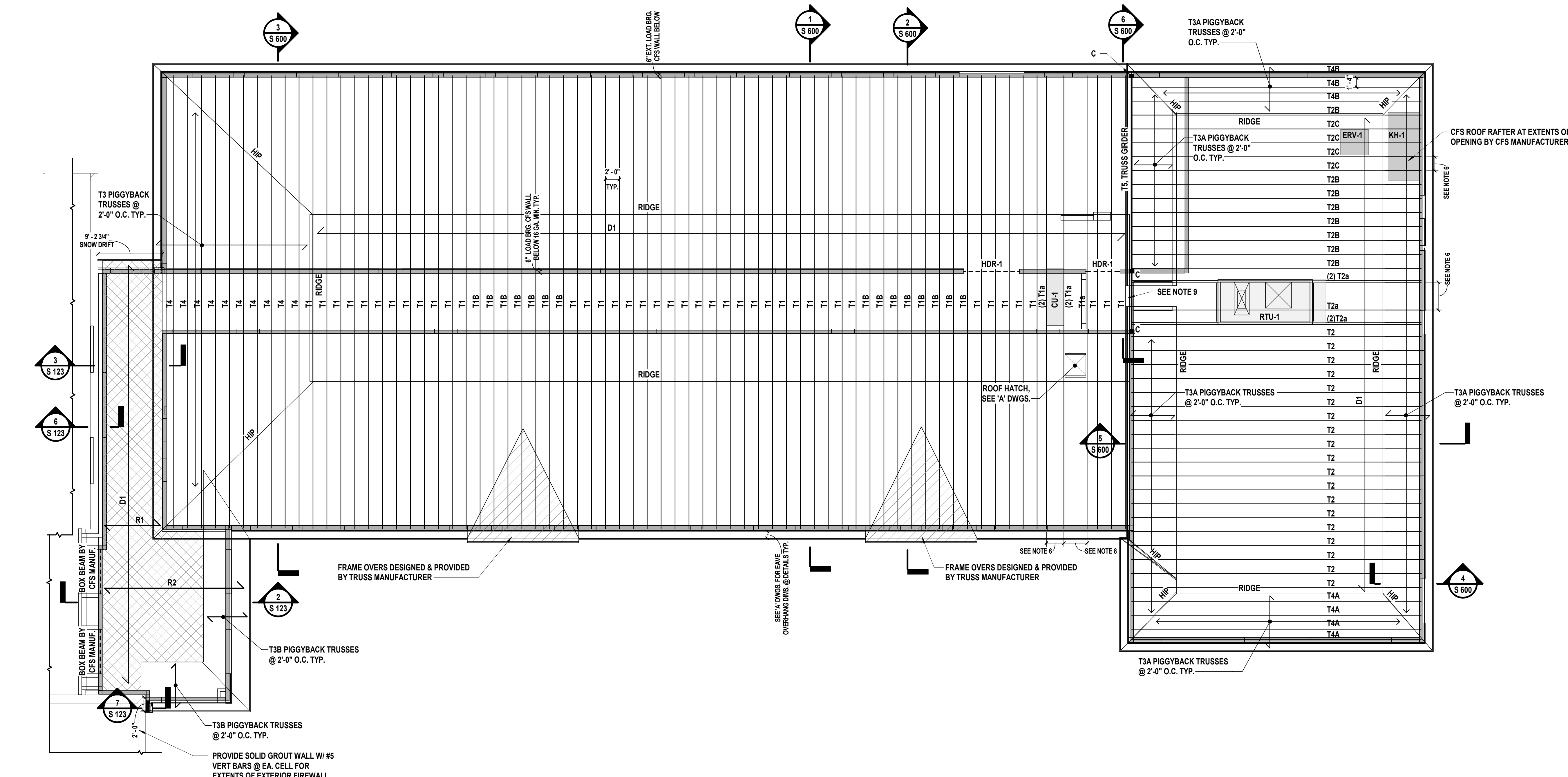
3 "S2" CFS Rafter Loading Diagram - Corridor
 SCALE: 1/8" = 1'-0"



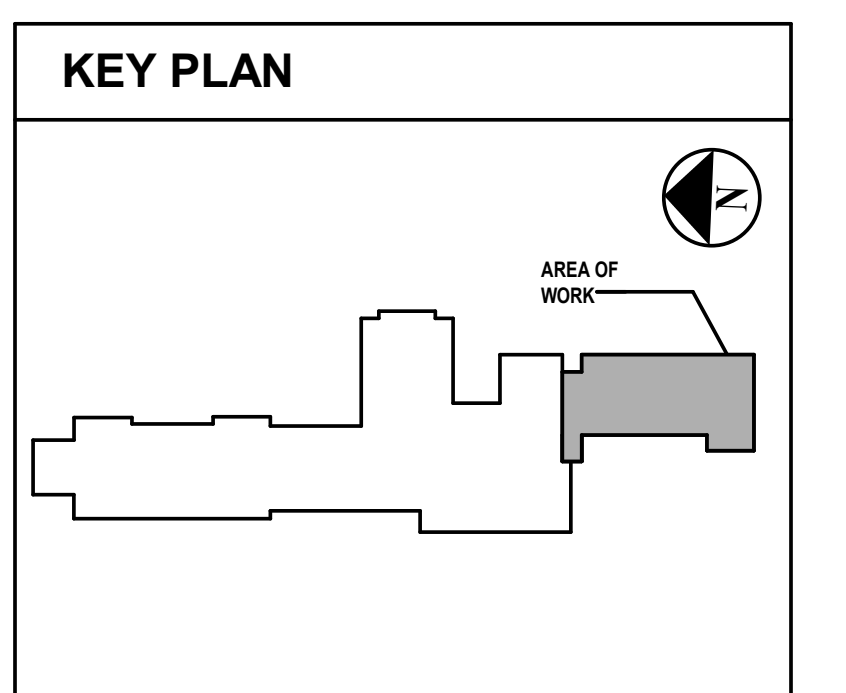
7 Firewall Attachment Detail I
 SCALE: N.T.S.



7 Firewall Attachment Detail II
 SCALE: N.T.S.



1 Roof Framing Plan
 SCALE: 1/8" = 1'-0"



1/20/25, 4:31:01 PM
 C:\Users\jshane\Documents\HCS2401H_Corridor_S_10_10_25.rvt

CONSULTANTS:

MARK	DATE	DESCRIPTION
1/23/25	ISSUED FOR BID	
8/16/24	SED SUBMISSION	



DANIEL J. AIELLO, P.E.
04/30/2027
EX. 048

DESIGNED BY: MDH/JES	DRAWN BY: JES	CHECKED BY: DJA	REVIEWED BY:
PROJECT No: HCSD2401H	DATE: JANUARY 2025	SCALE: AS SHOWN	

Harrison Central School District

Building Addition at the Purchase Elementary School

Building Addition at the Purchase Elementary School

Building Addition at the Purchase Elementary School

Building Addition at the Purchase Elementary School



2995 Purchase Street
Purchase, New York 10577

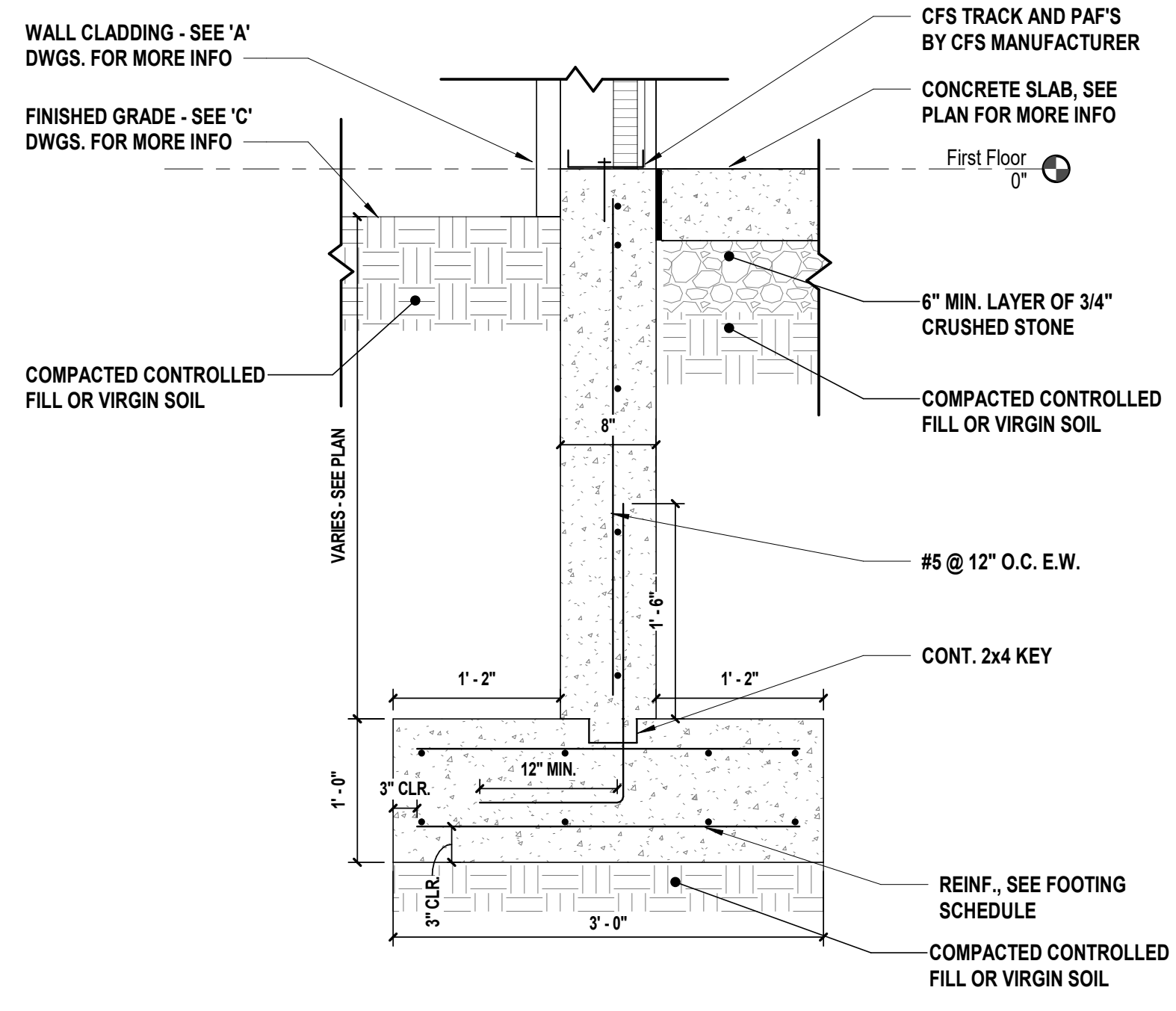
SED No.: 66-05-01-06-0-001-027

CONTRACT
**CONTRACT G
GENERAL CONSTRUCTION WORK**

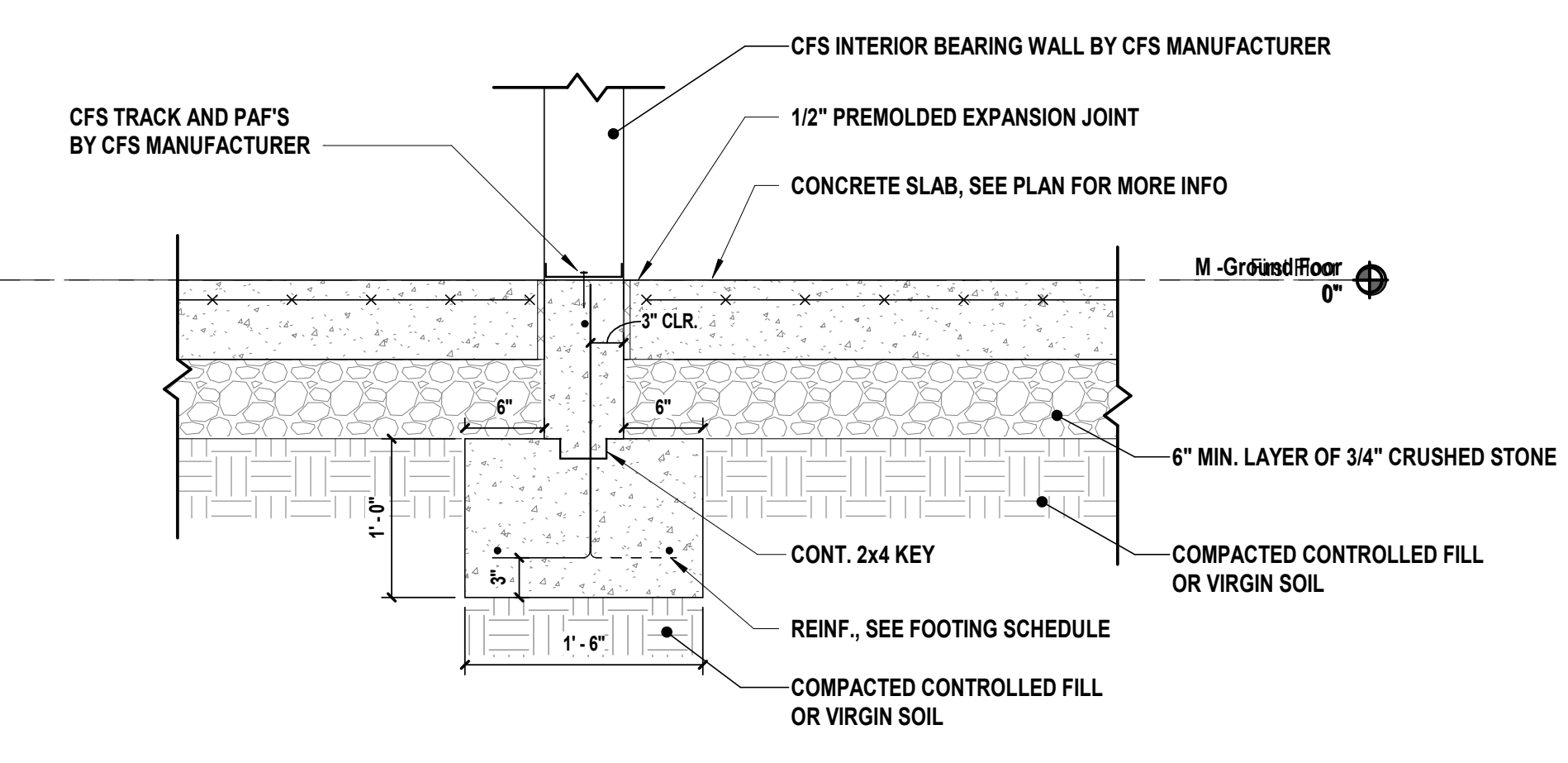
STATUS
FINAL BID DOCUMENT

SHEET TITLE
**STRUCTURAL
BUILDING
FOUNDATION DETAILS**

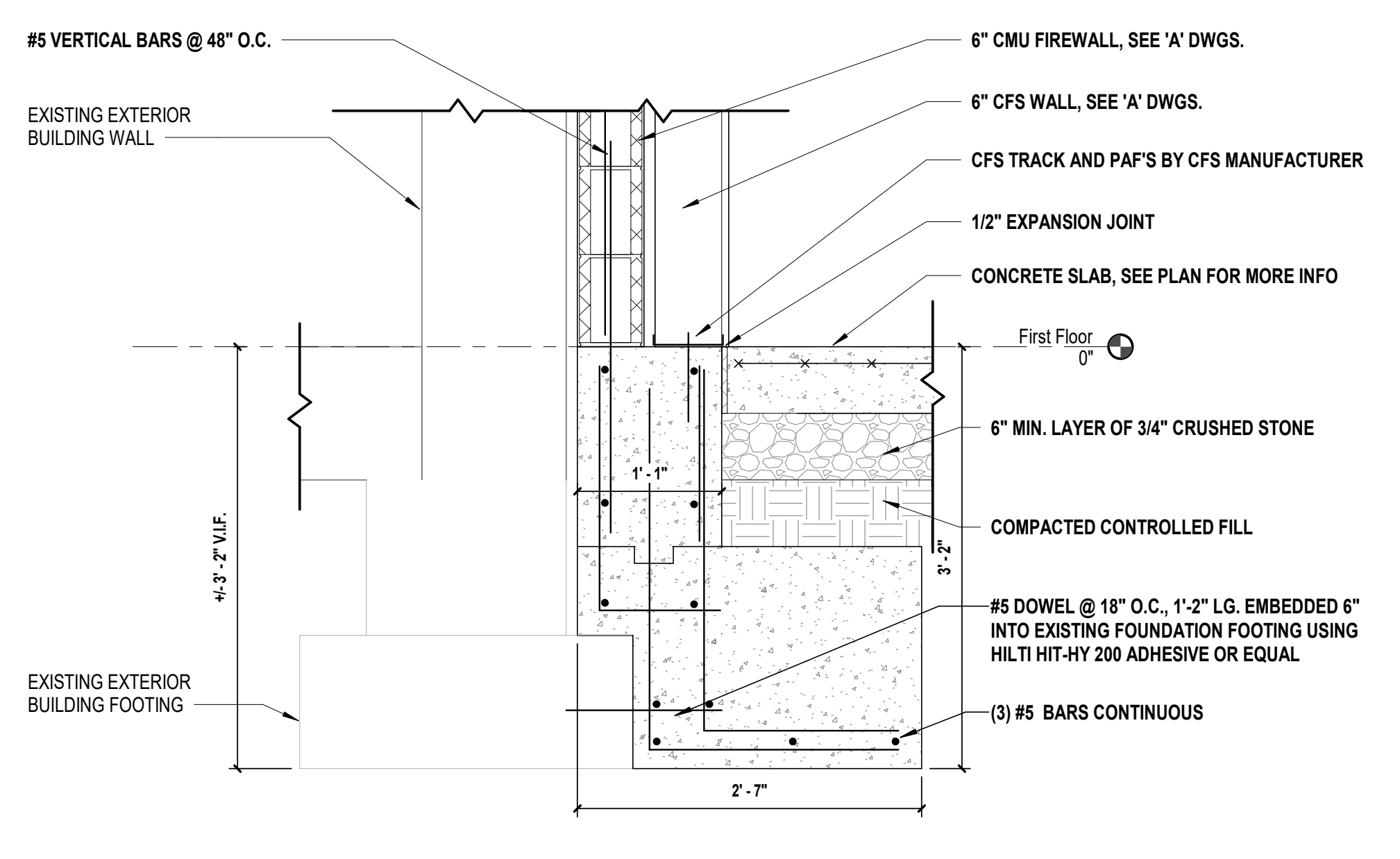
DRAWING No.
S 500.00



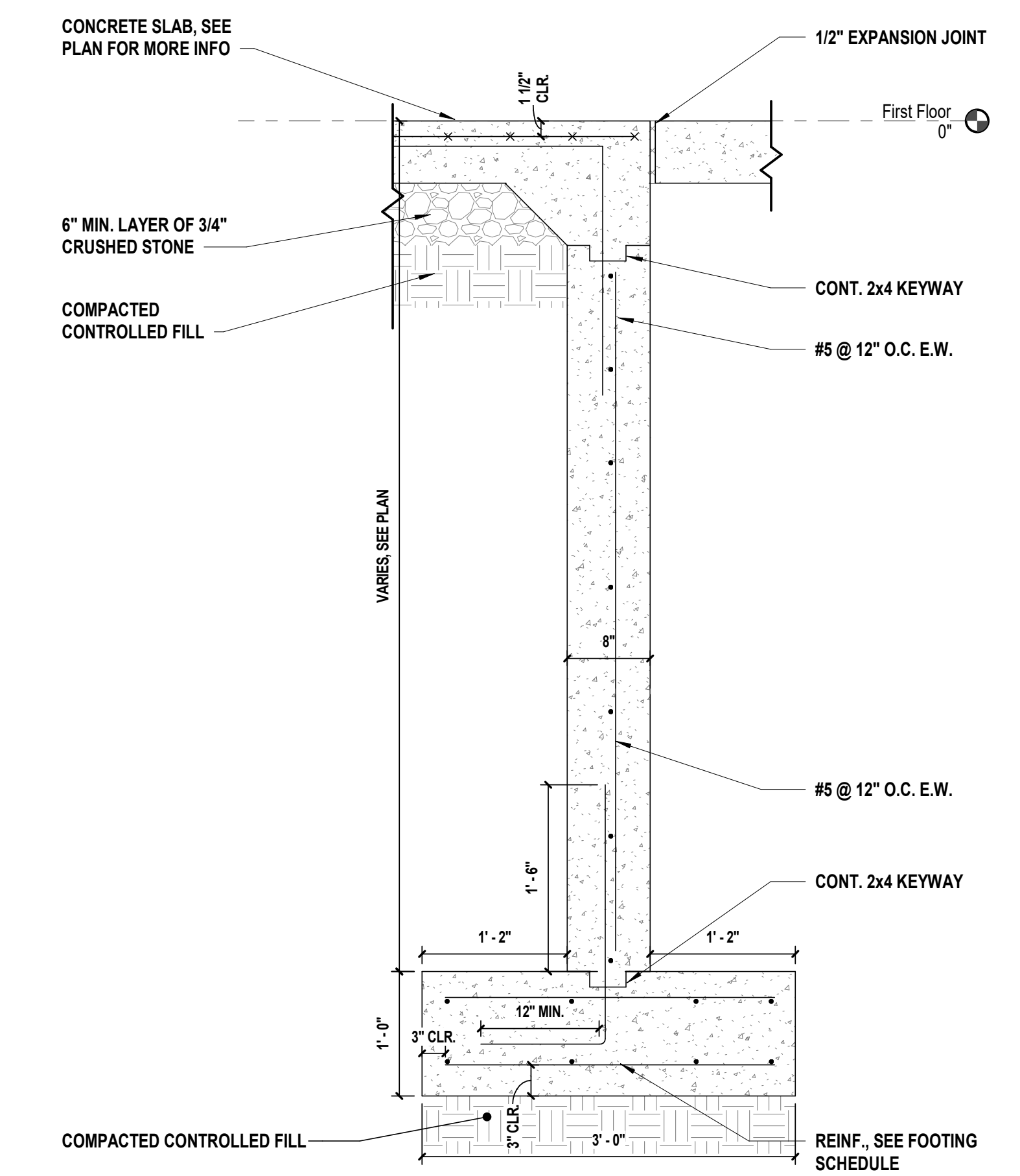
1 Typical Exterior Foundation Wall Section
SCALE: 1" = 1'-0"



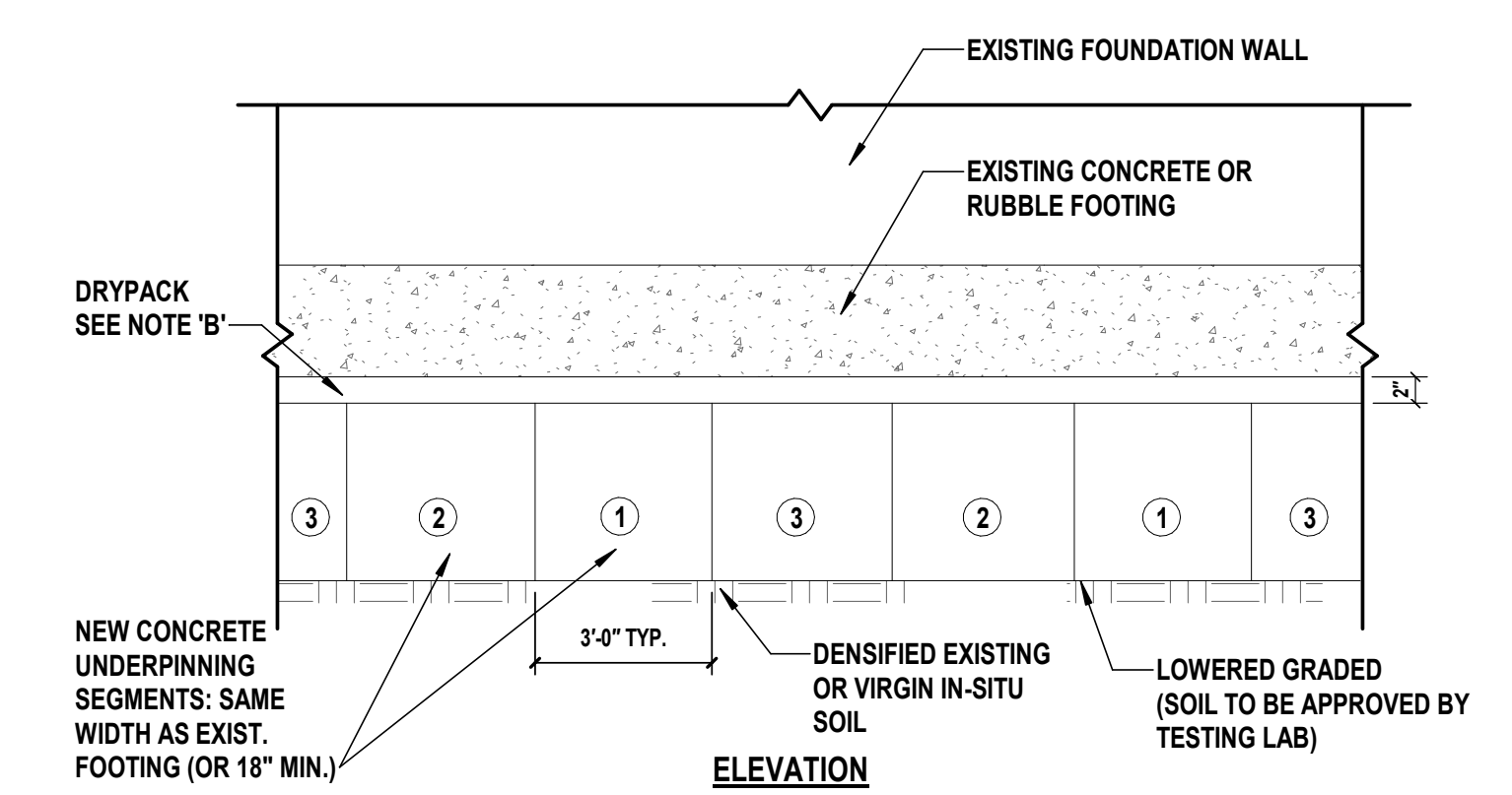
2 Typical Interior Foundation Wall Section
SCALE: 1" = 1'-0"



3 Section at New Foundation Adjacent to Existing Foundation
SCALE: 1" = 1'-0"

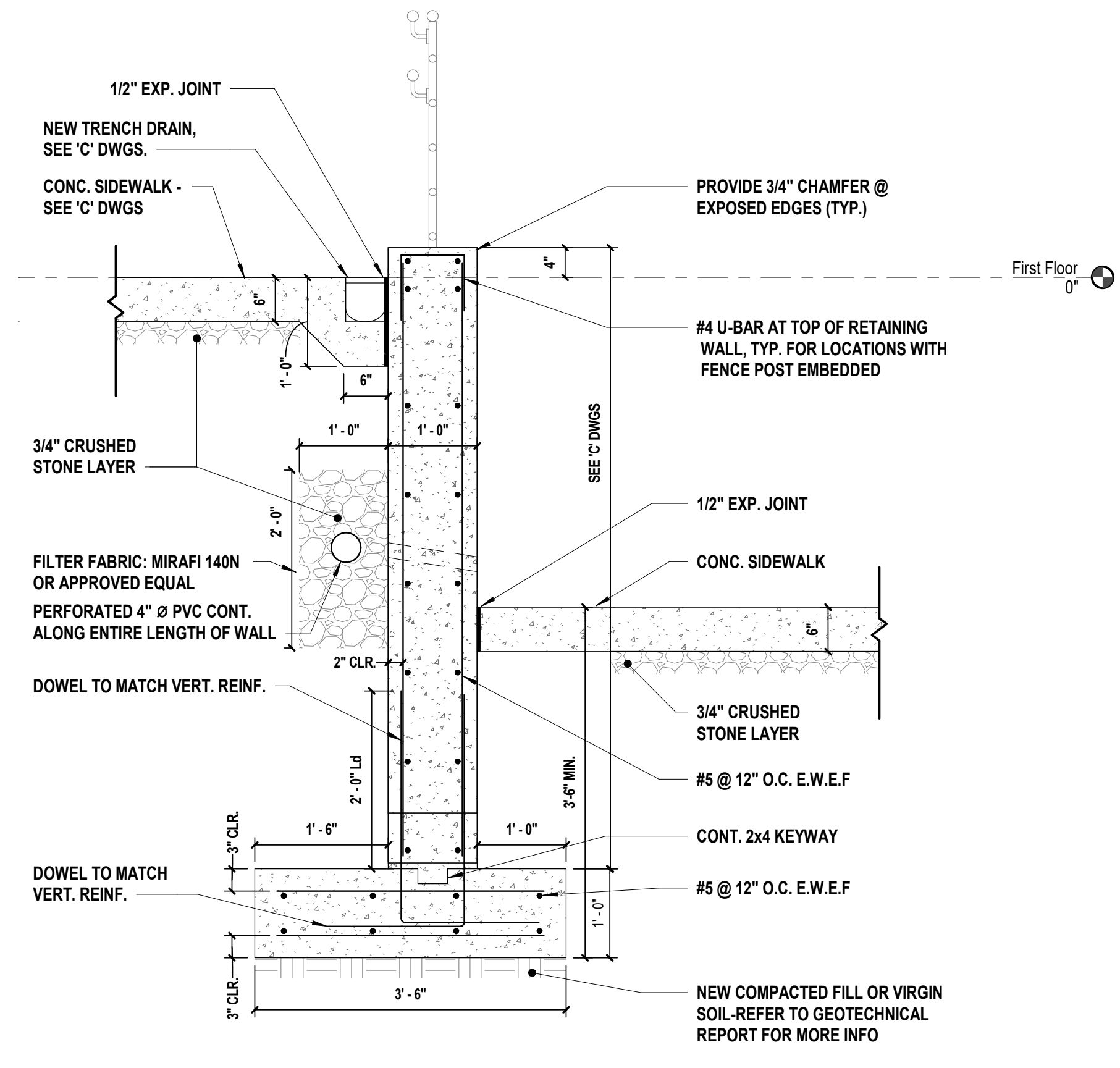


4 Typical Section at Exterior Door
SCALE: 1" = 1'-0"

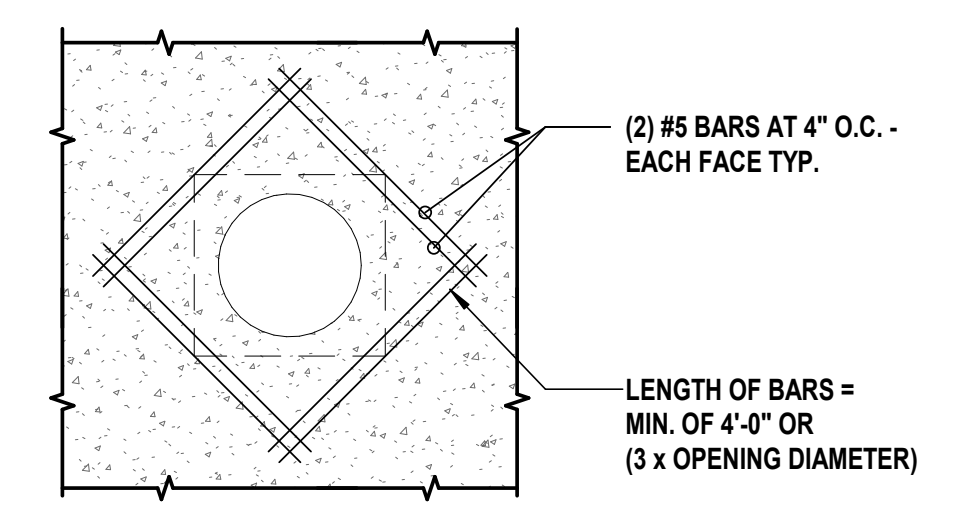


5 Typical Underpinning Detail
SCALE: NTS

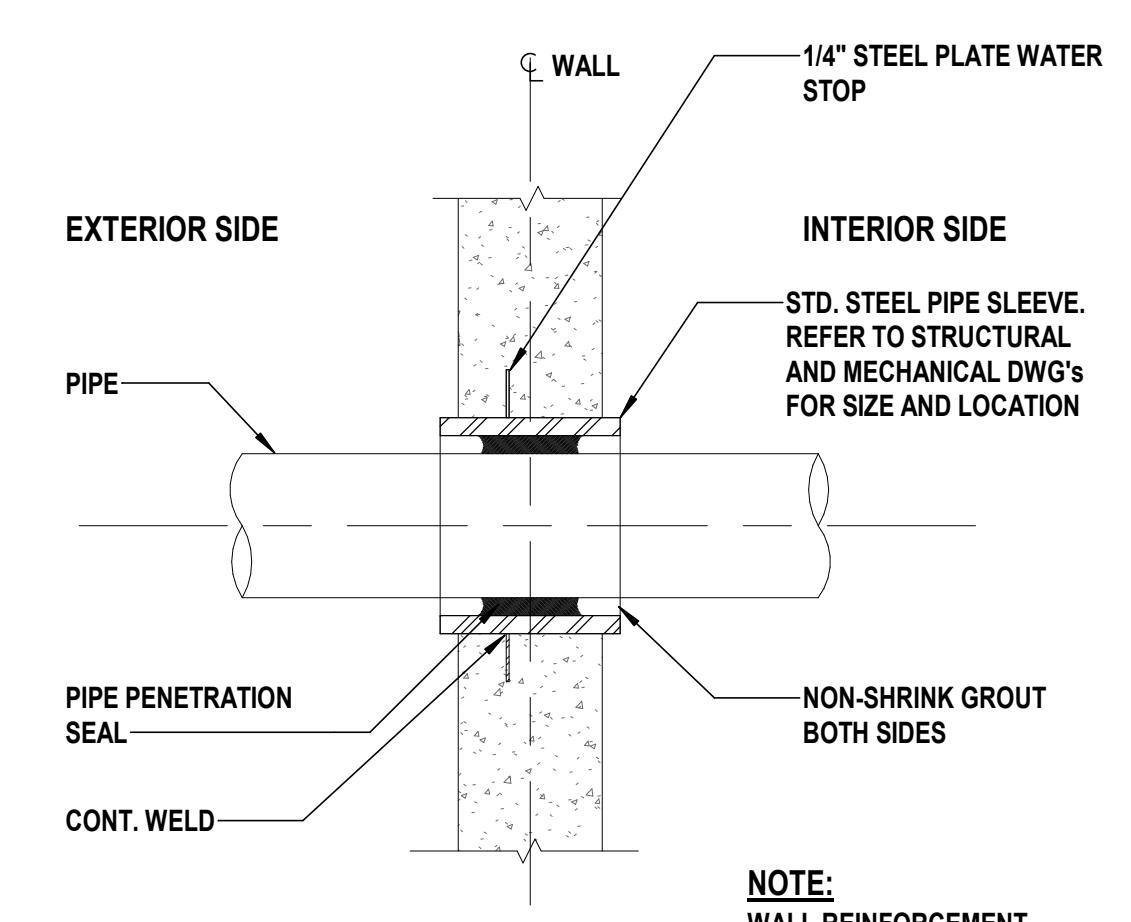
- UNDERPINNING SEQUENCE:**
- DIG 3'-0" WIDE PITS FOR SEGMENT SEQUENCE 1 WHILE SIMULTANEOUSLY PROVIDING SHEETING AND BRACING FOR THE SEGMENT ON BOTH SIDES OF THE EXCAVATION. PACK VOIDS BETWEEN LAGGING & SOIL WITH SOIL CEMENT. (LEAVE 6'-0" CLEAR BETWEEN PIT SEGMENTS OF SAME NUMBER SEQUENCE).
 - POUR NEW CONCRETE UNDERPINNING FOR SEGMENT SEQUENCE 1. CONCRETE TO BE HIGH-EARLY CONCRETE HAVING A $f_c' = 7000$ PSL. AFTER 3 DAYS INSTALL 2" DRYPACK (MIXTURE: 1 PART CEMENT TO 2 PARTS DAMP SAND, WITH A 0" SLUMP). RAM DRY PACK INTO SPACE BETWEEN TOP OF UNDERPINNING & BOTTOM OF EXIST. FOOTING TO TRANSFER LOAD.
 - SHEETING AND BRACING BETWEEN PIT SEGMENT SEQUENCES 1 AND 3 TO REMAIN. PROVIDE ADDITIONAL SHEETING AND BRACING BETWEEN SEGMENT SEQUENCE 2 & 3.
 - DIG 3'-0" WIDE PIT FOR SEGMENT SEQUENCE 2 FOLLOWING ERECTION OF SHEETING AND BRACING.
 - REPEAT COMPACTING AND DRYPACKING OPERATION SIMILAR TO SEGMENT SEQUENCE 1.



8 Exterior Retaining Wall Section
SCALE: 3/4" = 1'-0"



6 Typical Pipe Penetration at Wall or Slab
SCALE: NTS



7 Pipe Penetration at Wall or Slab (Section)
SCALE: NTS

NOTE:
WALL REINFORCEMENT NOT SHOWN FOR CLARITY - SEE DETAIL THIS SHEET.

MARK	DATE	DESCRIPTION
1/23/25	ISSUED FOR BID	
8/16/24	SED SUBMISSION	



SAVERIO J. BELFIORE R.A. Exp. 03/31/26
 17 PROFESSIONAL ARCHITECT Lic. No. 033063
 17 CONTRACTORS REGISTERED AS ARCHITECTS BY THE STATE OF NEW YORK

DESIGNED BY: KKEGM	DRAWN BY: EGM	CHECKED BY: KK	REVIEWED BY:
PROJECT No: HCS2401H	DATE: JANUARY 2025	SCALE: AS SHOWN	

Harrison Central School District

Building Addition at the Purchase Elementary School



2995 Purchase Street
 Purchase, New York 10577

SED No.: 66-05-01-06-0-001-027

CONTRACT
**CONTRACT G
 GENERAL CONSTRUCTION WORK**

STATUS
FINAL BID DOCUMENT

SHEET TITLE
FLOOR PLAN FIRST FLOOR

DRAWING No.
A 101.00

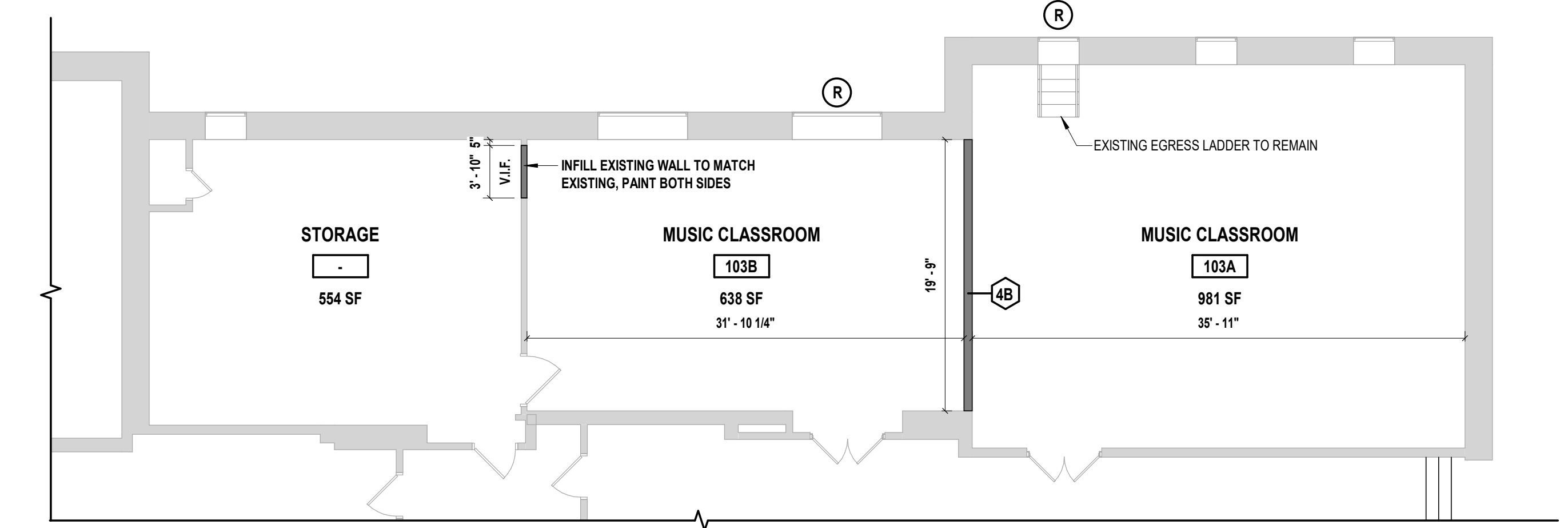
KEYED CONSTRUCTION NOTES (CONTRACT 'G')

01 AT LOCATION INDICATED, PROVIDE NEW FIXED METAL LADDER UP TO ROOFTOP HATCH ABOVE - SEE DETAIL 9 ON SHEET A131 FOR INFORMATION

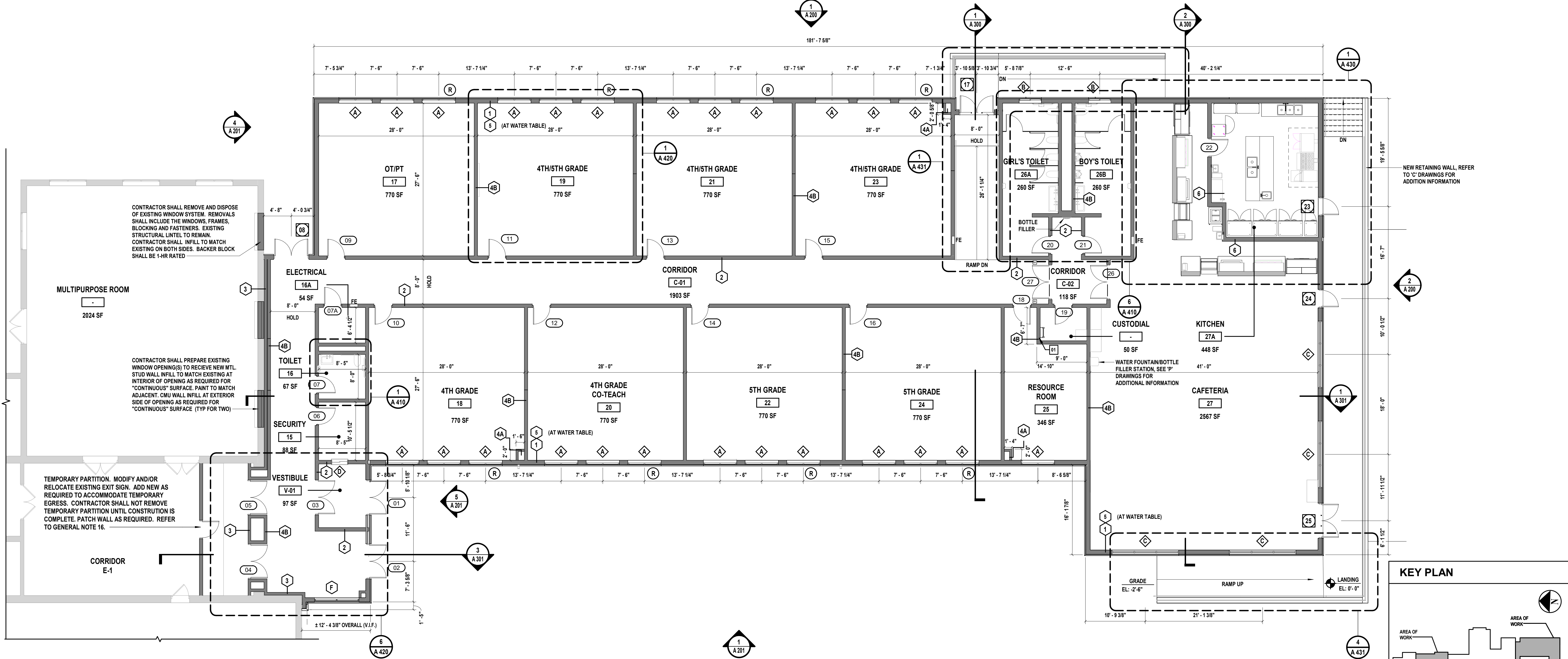
LEGEND

	ROOM/SPACE DESIGNATION TAG WITH ROOM NO. + SQ. FOOTAGE		ELEVATION INDICATOR
	EXISTING WALL CONSTRUCTION TO REMAIN		WINDOW TYPE INDICATOR
	NEW WALL CONSTRUCTION		SECTION INDICATOR
	NEW WALL TYPE INDICATOR - SEE WALL TYPES ON SHEET A0100 FOR INFORMATION		RESCUE WINDOW
	NEW DOOR DESIGNATION - REFER TO DOOR SCHEDULE FOR INFORMATION		DOOR HOLD
	EXISTING DOOR AND FRAME TO REMAIN - 'G' CONTRACTOR SHALL PROTECT AND MAINTAIN THROUGHOUT COURSE OF CONSTRUCTION		

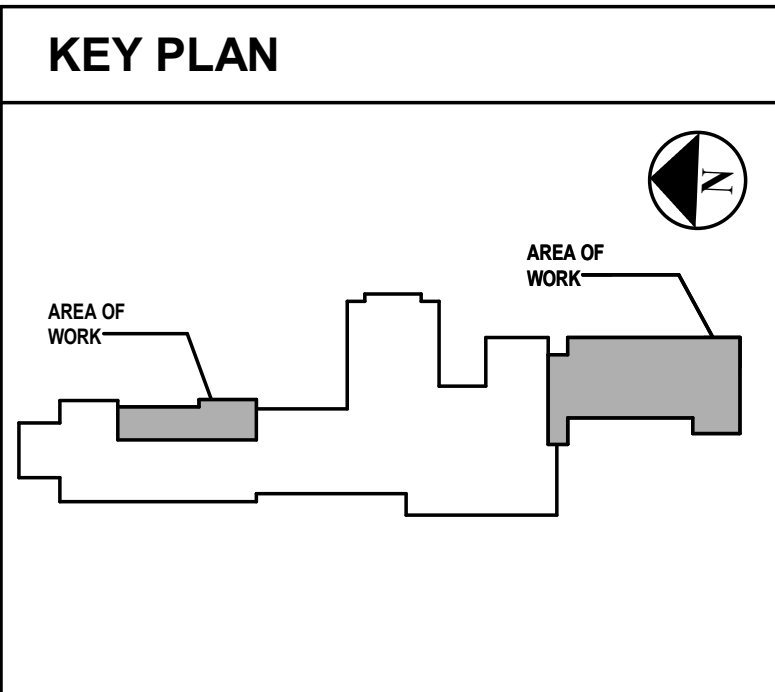
- GENERAL WORK NOTES:**
- ALL WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL AND NEW YORK STATE APPLICABLE BUILDING AND LIFE AND SAFETY REGULATIONS.
 - BUILDING DIMENSIONS AND SQUARE FOOTAGE SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS FOR QUANTITY MATERIALS PRIOR TO START OF WORK.
 - PROVIDE AND TURN OVER TO THE DISTRICT ALL EXTRA MATERIALS IN THE QUANTITIES INDICATED WITHIN THE SPECIFICATIONS.
 - COORDINATE THE WORK REQUIRED ON THESE DRAWINGS WITH THE WORK OF ALL OTHER TRADES AND SPECIFICATIONS.
 - 'G' CONTRACTOR SHALL COORDINATE WITH 'H', 'P' AND 'E' CONTRACTORS REGARDING INSTALLATION OF BELOW GRADE ITEMS AS FOLLOWS:
 - 'G' CONTRACTOR SHALL PROVIDE ACCESS FOR WORK BY OTHERS WITHIN ALL AREAS OF WORK.
 - 'H', 'P', AND 'E' CONTRACTORS SHALL PERFORM WORK IN AND BELOW ALL WALLS AND FLOOR SLABS AS REQUIRED.
 - 'H', 'P', AND 'E' CONTRACTORS SHALL BACKFILL AND COMPACT EACH AREA OF WORK FOR THEIR RESPECTIVE TRADE(S).
 - 'G' CONTRACTOR SHALL INSPECT BACKFILL AND COMPACTION PRIOR TO INSTALLATION OF NEW SLABS AND NOTIFY OWNER/ARCHITECT OF ANY CONDITION OR DISCREPANCY PRIOR TO START OF FLOOR SLAB INSTALLATION AND/OR CONTINUATION OF MASONRY WALL CONSTRUCTION.
 - ACCOMMODATE THE CONSTRUCTION TO ACCEPT ALL PIPING, CONDUITS, EQUIPMENT, PANELS, ETC., EITHER SPECIFIED OR DETAILED TO BE RECESSED OR CONCEALED IN MASONRY, AS REQUIRED BY THIS CONTRACT OR CONTRACTS "M", "P" AND "E."
 - ALL ITEMS DETAILED OR SPECIFIED TO RUN IN OR ATTACHED TO WALLS AND CEILINGS ARE TO BE CONCEALED OR RECESSED U.O.M.
 - SEE SLAB PLAN FOR CONTROL AND EXPANSION JOINT LOCATIONS.
 - FOR ALL WINDOWS, REFER TO DRAWING A610 FOR ADDITIONAL INFORMATION.
 - FOR ALL WALL TYPES, REFER TO DRAWING A010 FOR ADDITIONAL INFORMATION.
 - APPLY A CLEAR WATER REPELLANT TO ALL EXTERIOR MASONRY SURFACES.
 - SLOPE FLOOR TO DRAIN A MINIMUM OF 1/8" PER FOOT. COORDINATE WITH 'S' AND 'P' DRAWINGS.
 - REFER TO FINISH SCHEDULE AND REFLECTED CEILING PLAN FOR CEILING HEIGHTS ABOVE FINISH FLOOR.
 - FOR ALL TOILET INFORMATION, REFER TO DRAWING A410.00 FOR ADDITIONAL INFORMATION.
 - SEE CODE PLANS FOR LOCATIONS OF FIRE RATED WALLS.
 - THE GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY PARTITION TO PREVENT ACCESS TO ANY UNAUTHORIZED PERSONNEL AND THE PASSAGE OF ANY DUST AND CONTAMINANTS INTO OCCUPIED PARTS OF THE BUILDING. PERIODIC INSPECTION AND REPAIRS OF THE PARTITIONS MUST BE MADE TO PREVENT EXPOSURE TO DUST, CONTAMINANTS, AND DISTRACTION TO STUDENTS AND STAFF. TEMPORARY PARTITIONS MUST BE CONSTRUCTED OF A MINIMUM OF 20 GA. METAL STUDS AT 16" O.C. WITH FIBERGLASS BATT INSULATION AND 5/8" IMPACT RESISTANT GYPSUM BOARD (TAPE, SPACKLE AND PAINT FINISH) ON OCCUPIED SIDES ONLY.
 - CONTRACTOR SHALL INCLUDE A 3'-0" WIDE x 7'-0" HIGH DOOR AND ASSOCIATED HARDWARE TO THE BASE BID.
 - ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL, RELOCATE AND/OR TEMPORARY REMOVE ANY EXISTING EXIT SIGNAGE AND EMERGENCY LIGHTING AS REQUIRED DUE TO THE CONSTRUCTION OF NEW PARTITIONS.



2 New Music and Storage Room Plan
 SCALE: 1/8" = 1'-0"



1 First Floor Construction Plan
 SCALE: 1/8" = 1'-0"
 NOTE: REFER TO 'C' DRAWINGS FOR EXTENT OF SITEWORK



CONSULTANTS:

MARK	DATE	DESCRIPTION
1	1/23/25	ISSUED FOR BID
2	8/16/24	SED SUBMISSION



SAVERIO J. BELFIORE, R.A.
REGISTERED ARCHITECT
NO. 033063
STATE OF NEW YORK

DESIGNED BY: KK/EGM	DRAWN BY: EGM	CHECKED BY: KK	REVIEWED BY:
PROJECT No: HCS2401H	DATE: JANUARY 2025	SCALE: AS SHOWN	

CLIENT
Harrison Central School District

Building Addition at the Purchase Elementary School



2995 Purchase Street
Purchase, New York 10577

SED No.: 66-05-01-06-0-001-027

CONTRACT
**CONTRACT G
GENERAL CONSTRUCTION**

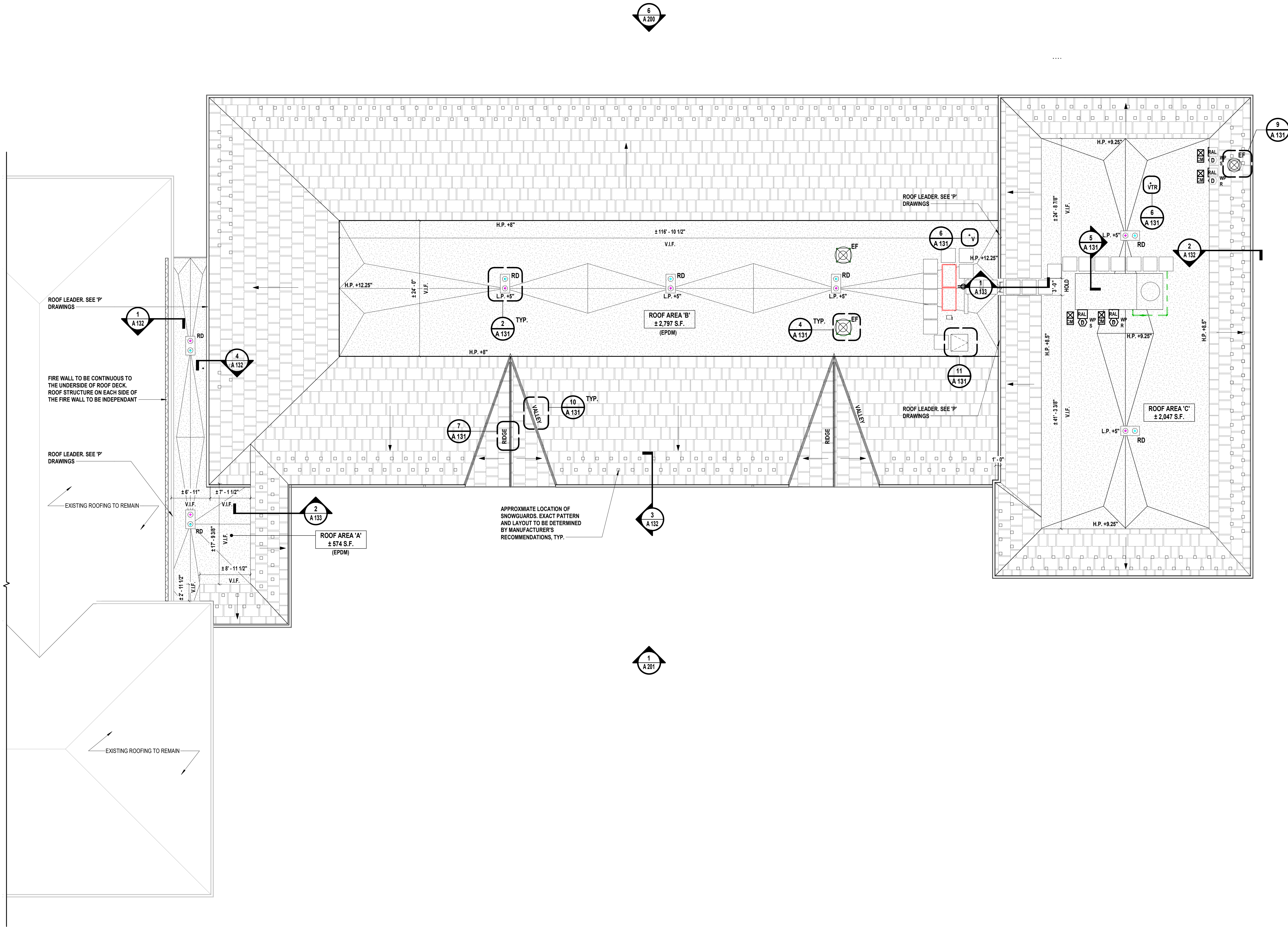
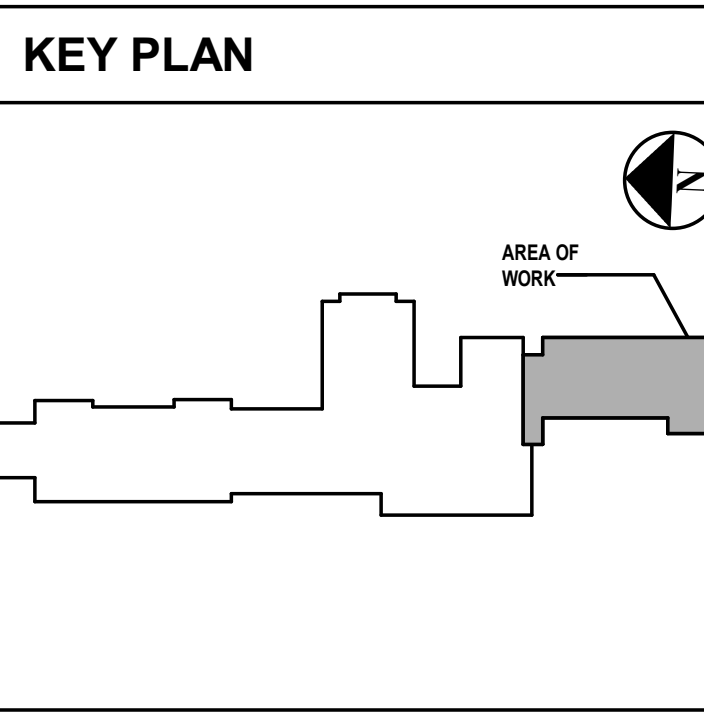
STATUS
FINAL BID DOCUMENT

SHEET TITLE
ROOF CONSTRUCTION PLAN AND NOTES

DRAWING No.
A 130.00

- ### GENERAL ROOFING NOTES
- THIS DRAWING SERVES AS A LIST OF PRINCIPAL ROOFING ITEMS AND IS NOT A COMPLETE LIST OF EVERY ROOFING ITEM AND ACCESSORY. THIS DRAWING MUST BE COORDINATED WITH ALL OTHER DRAWINGS, ROOF DETAILS AND WITH ALL ITEMS SPECIFIED.
 - COORDINATE THE WORK REQUIRED ON THIS DRAWING WITH ALL STRUCTURAL, CIVIL, ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.
 - COORDINATE EXACT LOCATIONS OF PENETRATIONS TO BE MADE IN ALL ROOF AREAS AND ROOF ASSEMBLIES.
 - THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO MAKE AND FLUSH ALL ROOF PENETRATIONS.
 - H-P-E CONTRACTORS SHALL FURNISH SLEEVES AND LOCATE ALL NECESSARY PENETRATIONS REQUIRED TO ACCOMMODATE ALL WORK DETAILED OR SPECIFIED FOR THEIR RESPECTIVE CONTRACT.
 - THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL FLASHING AND TERMINATIONS FOR ALL ROOF PENETRATIONS UNLESS OTHERWISE NOTED.
 - CONTRACT 'H' SHALL FURNISH ALL CURBS FOR EXHAUST FANS, AND HEATING/COOLING UNITS TO G.C. INSTALLATION OF ALL CURBS AND FLASHING INSTALLATIONS SHALL BE PERFORMED BY CONTRACT 'G'.
 - CONTRACT 'P' SHALL FURNISH ALL ROOF DRAINS TO G.C. ALL ROOF DRAINS SHALL BE INSTALLED BY CONTRACT 'G' IN COORDINATION WITH ROOFING WORK.
 - CONTRACT 'G' SHALL PROVIDE ALL TEMPORARY ROOF FLASHING WORK. IT IS THE RESPONSIBILITY OF CONTRACT 'G' TO MAINTAIN A WEATHER TIGHT ROOF AT ALL TIMES.
 - SEE SHEET A131 FOR ALL TYPICAL DETAILS.
 - ROOF SYSTEMS SHALL HAVE NO LESS THAN A SLOPE OF 1/4" PER FOOT.
 - PROVIDE CRICKETS BEHIND ALL ROOFING ITEMS (E.P. PENETRATIONS AND EQUIPMENT) TO PROVIDE POSITIVE PITCH AND TO PREVENT PONDING.
 - A CERTIFIED INSTALLER MUST PERFORM ALL ROOFING WORK, AND A LETTER FROM EXISTING ROOFING MANUFACTURER MUST BE OBTAINED STATING THE EXISTING WARRANTY WILL REMAIN IN EFFECT.
 - CONTRACT 'G' TO PROVIDE PITCH POCKETS AT LOCATIONS OF ALL DUNNAGE SUPPORTS, ETC.
 - H-P-E CONTRACTORS SHALL FURNISH SLEEVES AND LOCATE ALL MECHANICAL PENETRATIONS REQUIRED TO ACCOMMODATE ALL WORK DETAILED OR SPECIFIED FOR THEIR CONTRACT.
 - CONTRACT 'G' SHALL PROVIDE ADEQUATE TEMPORARY DRAINAGE FOR ALL PARTITIONS OF THE ROOF, THROUGHOUT THE ENTIRE DURATION OF THE PROJECT.
 - REFER TO 'S' DRAWINGS FOR WIND UPLIFT INFORMATION.
 - CONTRACTOR SHALL PROVIDE SNOW GUARDS AT ALL LOCATIONS AS INDICATED ON THE CONSTRUCTION DRAWINGS. APPROXIMATE LAYOUT IS SHOWN, CONTRACTOR SHALL FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR AMOUNT OF ROWS AND DIMENSIONAL OFFSETS.

- ### ROOFING LEGEND
- NEW EPDM ROOFING SYSTEM - SEE SHEET A-132.00 FOR ADDITIONAL INFORMATION
 - NEW ASPHALT ROOF SHINGLE SYSTEM - SEE SHEET A-132.00 FOR ADDITIONAL INFORMATION
 - INDICATES TAPER AND ROOF PITCH - 1/4" PER FOOT, MINIMUM, U.O.N.
 - COMBINATION ROOF AND OVERFLOW DRAIN
 - INDICATES EXHAUST FAN ROOFTOP VENT- SEE 'M' DRAWINGS FOR INFO
 - VENT THROUGH ROOF COORDINATE WITH CONTRACT 'P' FOR EXACT LOCATIONS
 - NEW ROOFTOP EQUIPMENT - BY CONTRACT 'M' (ACTUAL SIZE AND ORIENTATION OF COMPONENTS MAY VARY)
 - WALKWAY PADS
 - METAL LADDER
 - L.P. LOW POINT
 - H.P. HIGH POINT



1 Addition Roof Plan
SCALE: 1/8" = 1'-0"

CONSULTANTS:

MARK	DATE	DESCRIPTION
1/23/25		ISSUED FOR BID
8/16/24		SED SUBMISSION



SAVERIO J. BELFIORE, R.A. Exp. DWG.
REGISTERED PROFESSIONAL ARCHITECT STATE OF NEW YORK

DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED BY
Designer	Author	Checker	
PROJECT No:	DATE:	SCALE:	
HCS2401H	JANUARY 2025	AS SHOWN	

CLIENT
Harrison Central School District

Building Addition at the Purchase Elementary School



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Purchase, New York 10577

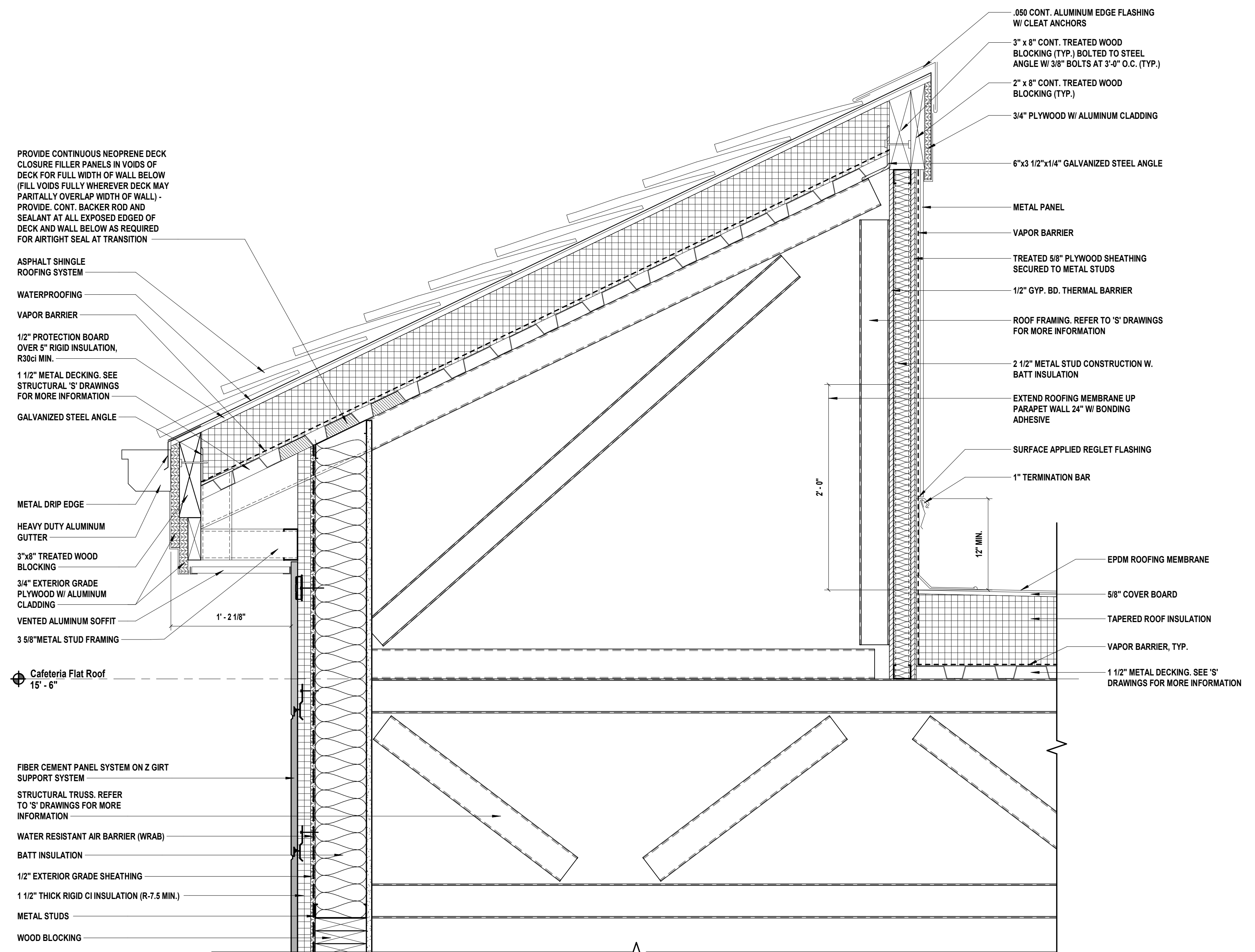
SED No.: 66-05-01-06-0-001-027

CONTRACT
**CONTRACT G
GENERAL CONSTRUCTION**

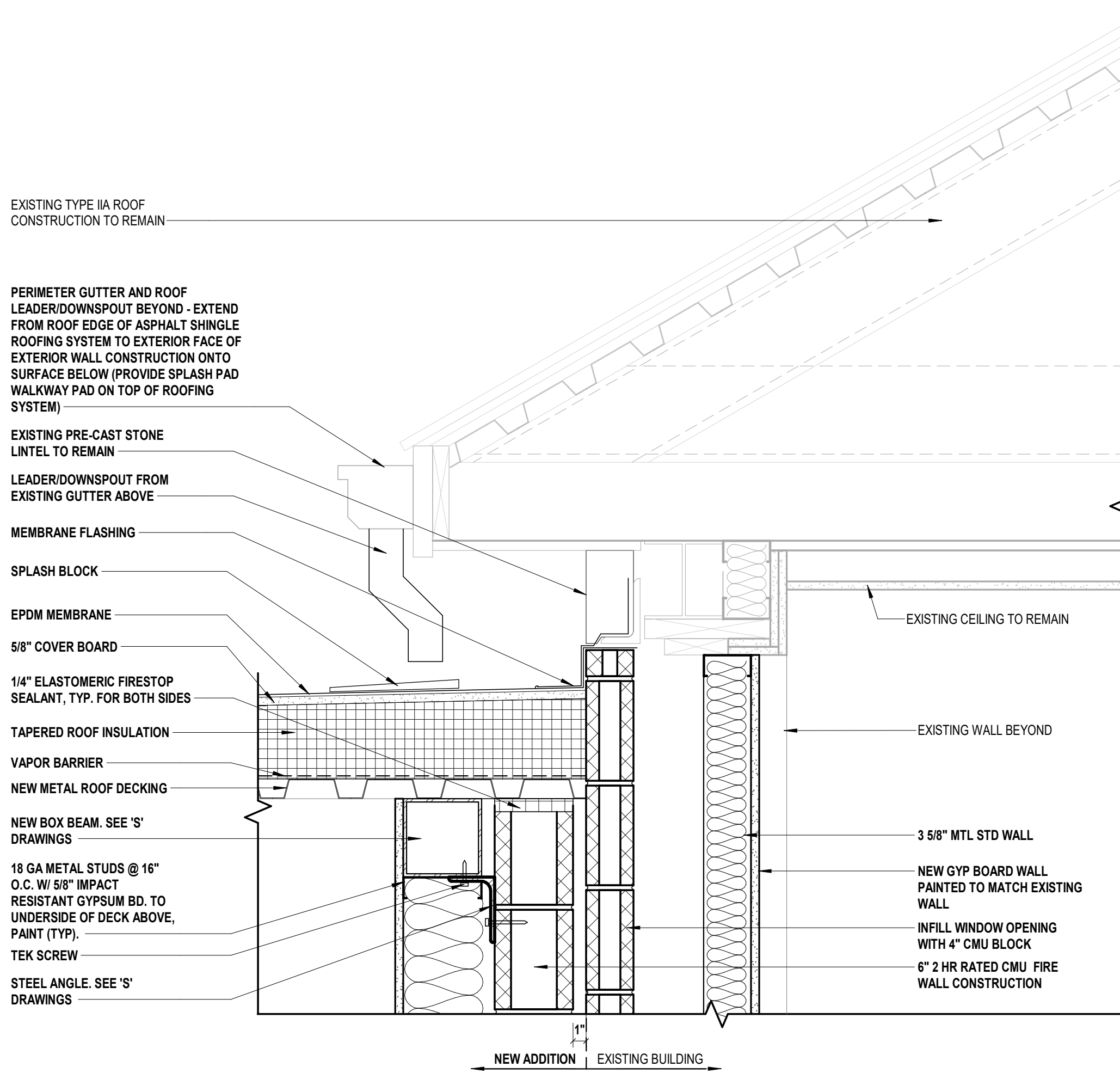
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FINAL BID DOCUMENT

SHEET TITLE
ROOF DETAILS

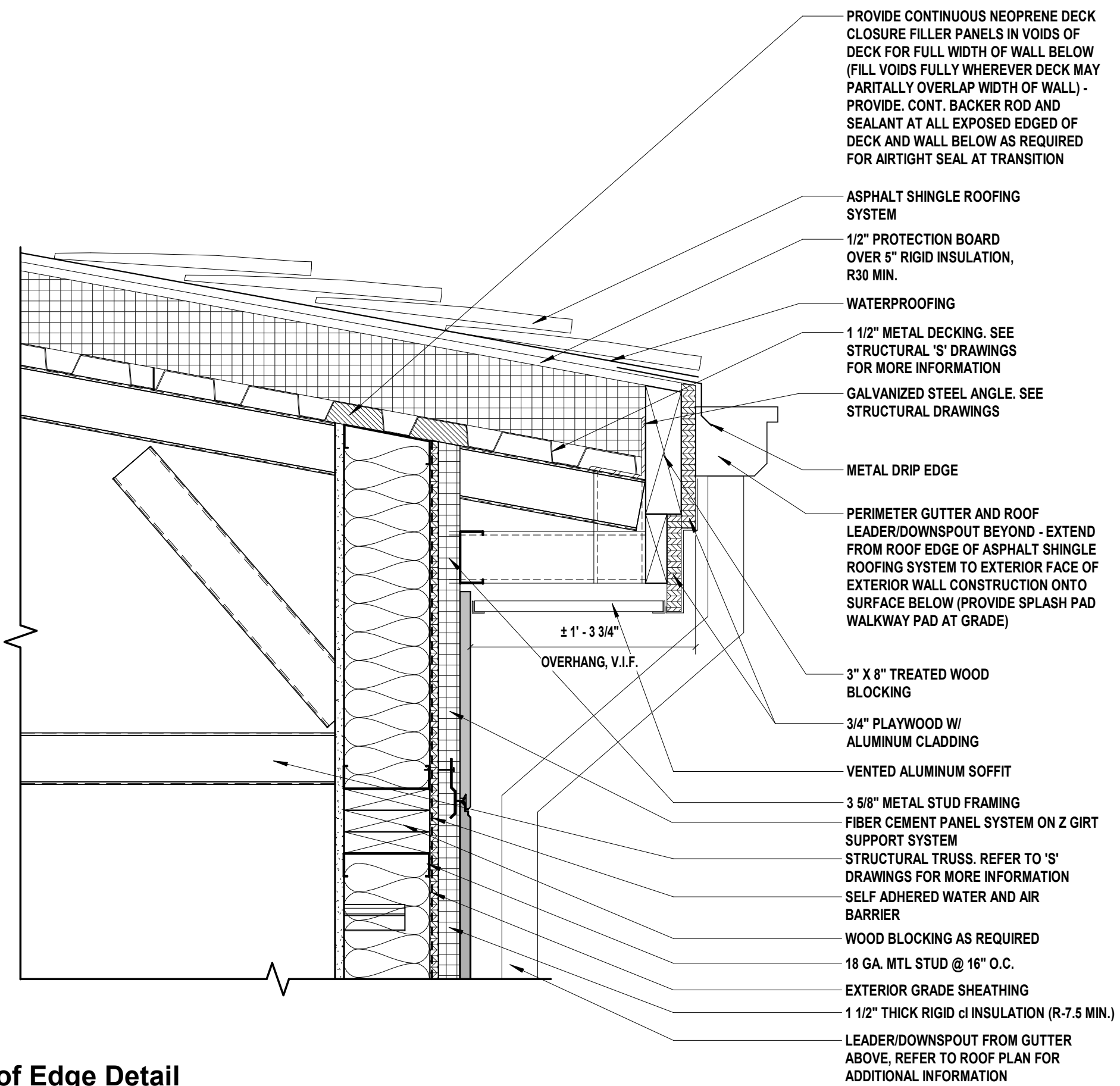
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A 132.00



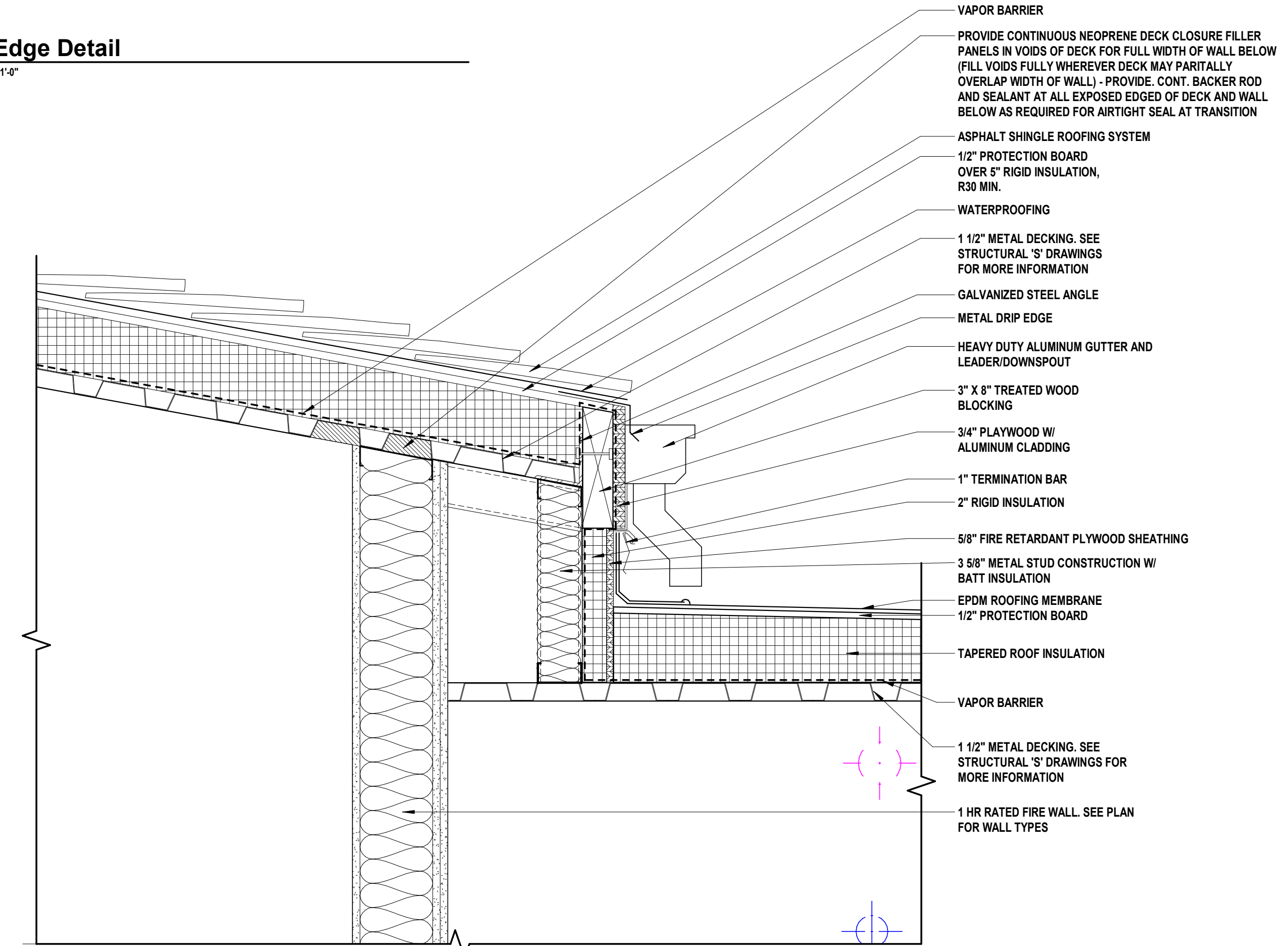
2 Roof Edge Detail
SCALE: 1/2" = 1'-0"



1 Expansion Joint Detail at Fire Wall
SCALE: 1/2" = 1'-0"



3 Roof Edge Detail
SCALE: 1/2" = 1'-0"



4 Roof Detail
SCALE: 1/2" = 1'-0"

PROVIDE CONTINUOUS NEOPRENE DECK CLOSURE FILLER PANELS IN VOIDS OF DECK FOR FULL WIDTH OF WALL BELOW (FILL VOIDS FULLY WHEREVER DECK MAY PARTIALLY OVERLAP WIDTH OF WALL) - PROVIDE CONT. BACKER ROD AND SEALANT AT ALL EXPOSED EDGED OF DECK AND WALL BELOW AS REQUIRED FOR AIRTIGHT SEAL AT TRANSITION

ASPHALT SHINGLE ROOFING SYSTEM

WATERPROOFING

VAPOR BARRIER

1/2" PROTECTION BOARD OVER 5" RIGID INSULATION, R30 MIN.

1 1/2" METAL DECKING. SEE STRUCTURAL 'S' DRAWINGS FOR MORE INFORMATION

GALVANIZED STEEL ANGLE

METAL DRIP EDGE

HEAVY DUTY ALUMINUM GUTTER

3"x8" TREATED WOOD BLOCKING

3/4" EXTERIOR GRADE PLYWOOD W/ ALUMINUM CLADDING

VENTED ALUMINUM SOFFIT

3 5/8" METAL STUD FRAMING

☑ Cafeteria Flat Roof
15' - 6"

FIBER CEMENT PANEL SYSTEM ON 2 GIRT SUPPORT SYSTEM

STRUCTURAL TRUSS. REFER TO 'S' DRAWINGS FOR MORE INFORMATION

WATER RESISTANT AIR BARRIER (WRAB)

BATT INSULATION

1/2" EXTERIOR GRADE SHEATHING

1 1/2" THICK RIGID CI INSULATION (R-7.5 MIN.)

METAL STUDS

WOOD BLOCKING

CONSULTANTS:

MARK	DATE	DESCRIPTION
1/23/25	ISSUED FOR BID	
8/16/24	SED SUBMISSION	



SAVERIO J. BELFIORE, R.A.
REGISTERED ARCHITECT
STATE OF NEW YORK
033063
DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
REVIEWED BY:
PROJECT No: HCS2401H
DATE: JANUARY 2025
SCALE: AS SHOWN

Harrison Central School District

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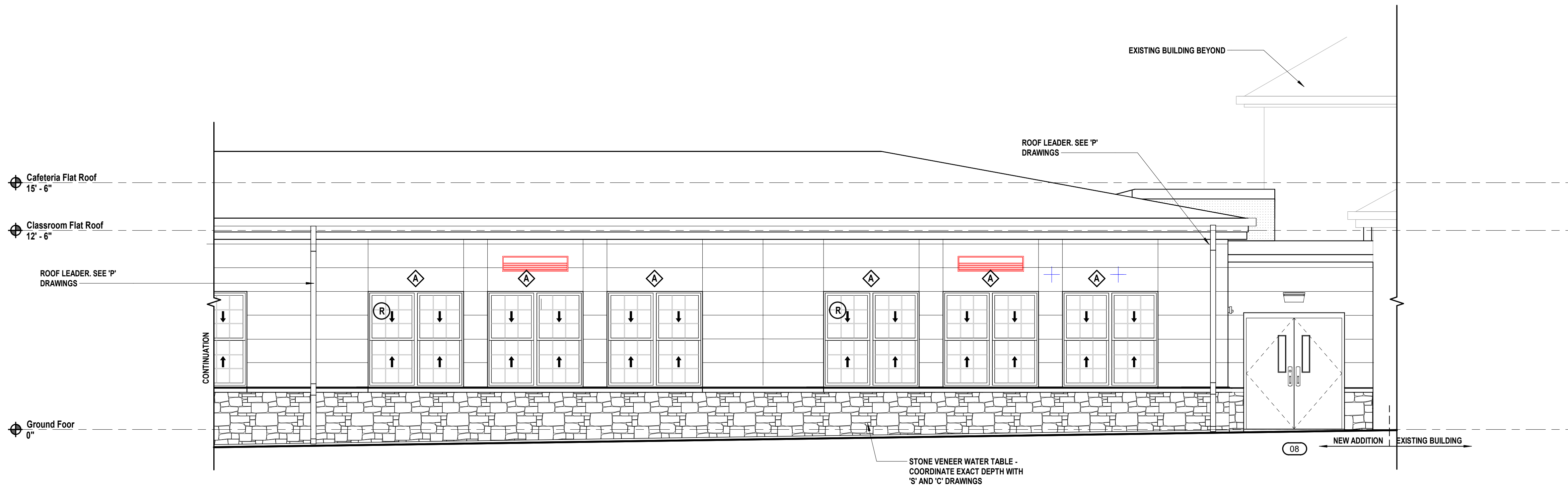
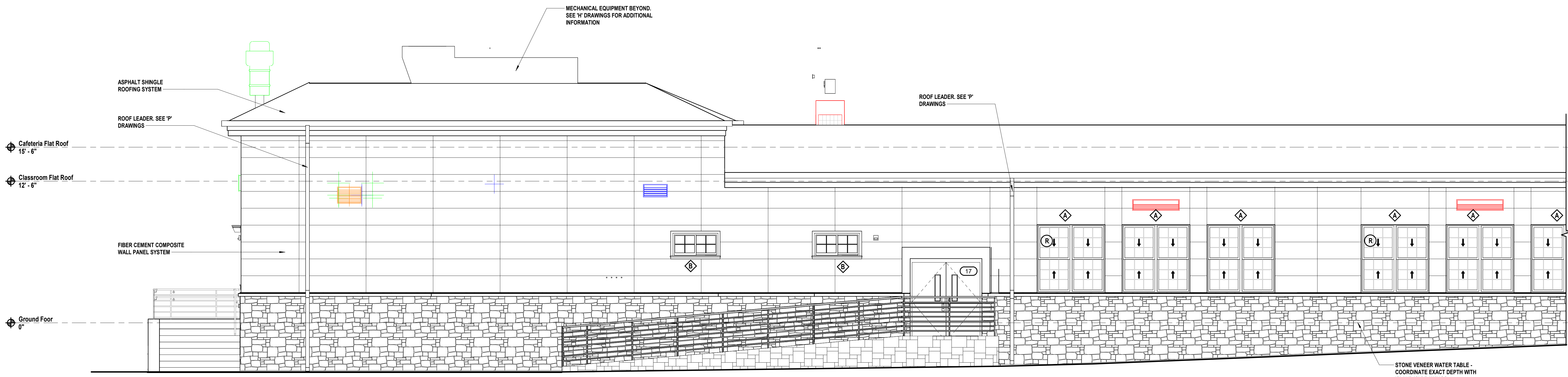
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CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

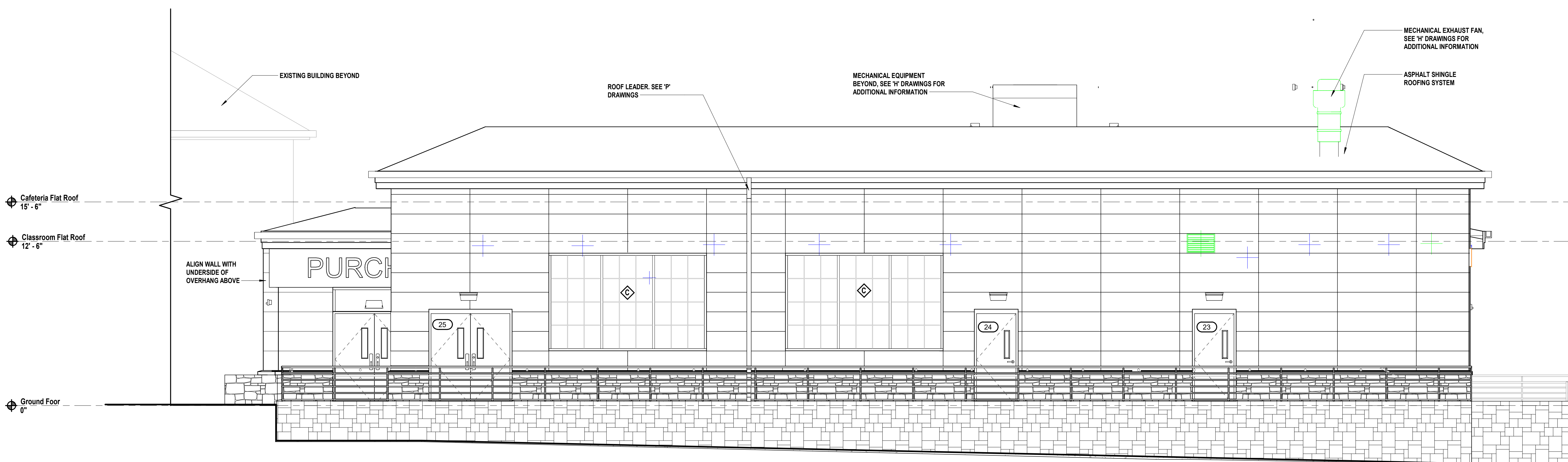
STATUS
FINAL BID DOCUMENT

SHEET TITLE
BUILDING ELEVATIONS

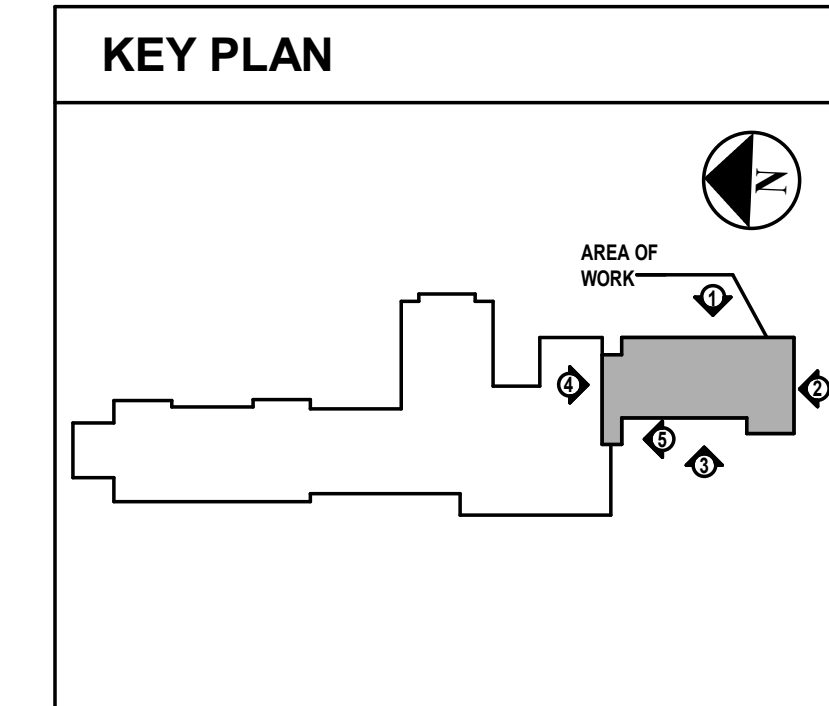
DRAWING No.
A 200.00



1 East Elevation
SCALE: 1/4" = 1'-0"



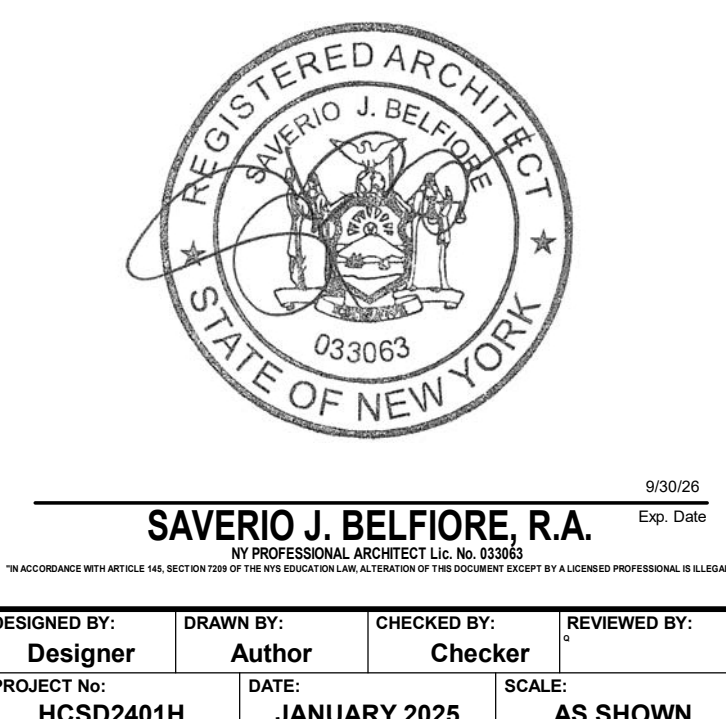
2 South Elevation
SCALE: 1/4" = 1'-0"



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1/23/2025 4:24:47 PM

CONSULTANTS:	
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MARK	DATE	DESCRIPTION
1/23/25		ISSUED FOR BID
8/16/24		SED SUBMISSION



CLIENT
Harrison Central School District

Building Addition at the Purchase Elementary School



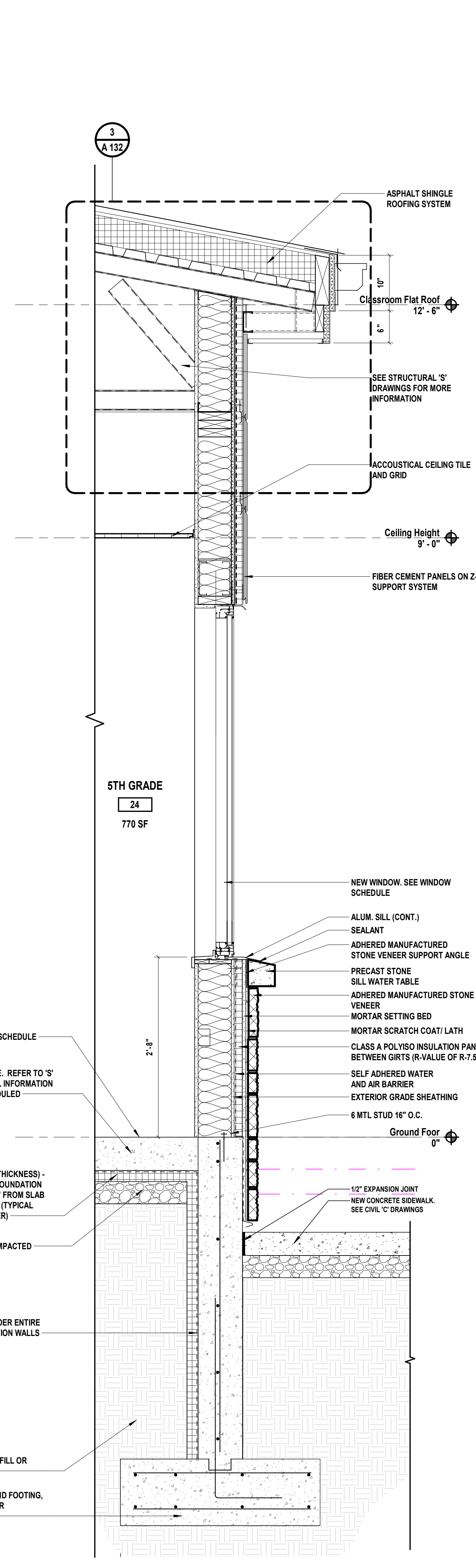
2995 Purchase Street
Purchase, New York 10577
SED No.: 66-05-01-06-0-001-027

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

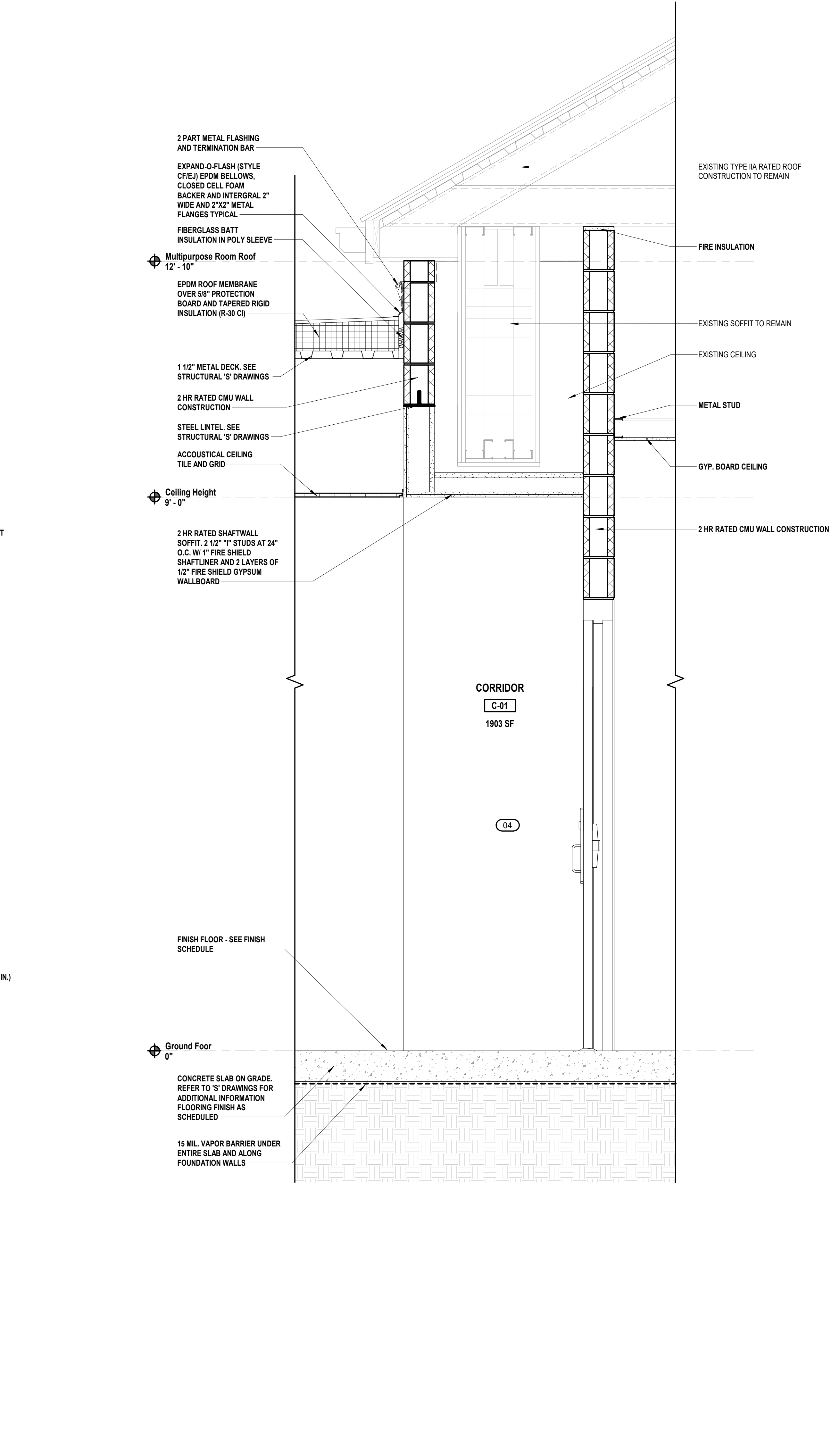
STATUS
FINAL BID DOCUMENT

SHEET TITLE
WALL SECTIONS

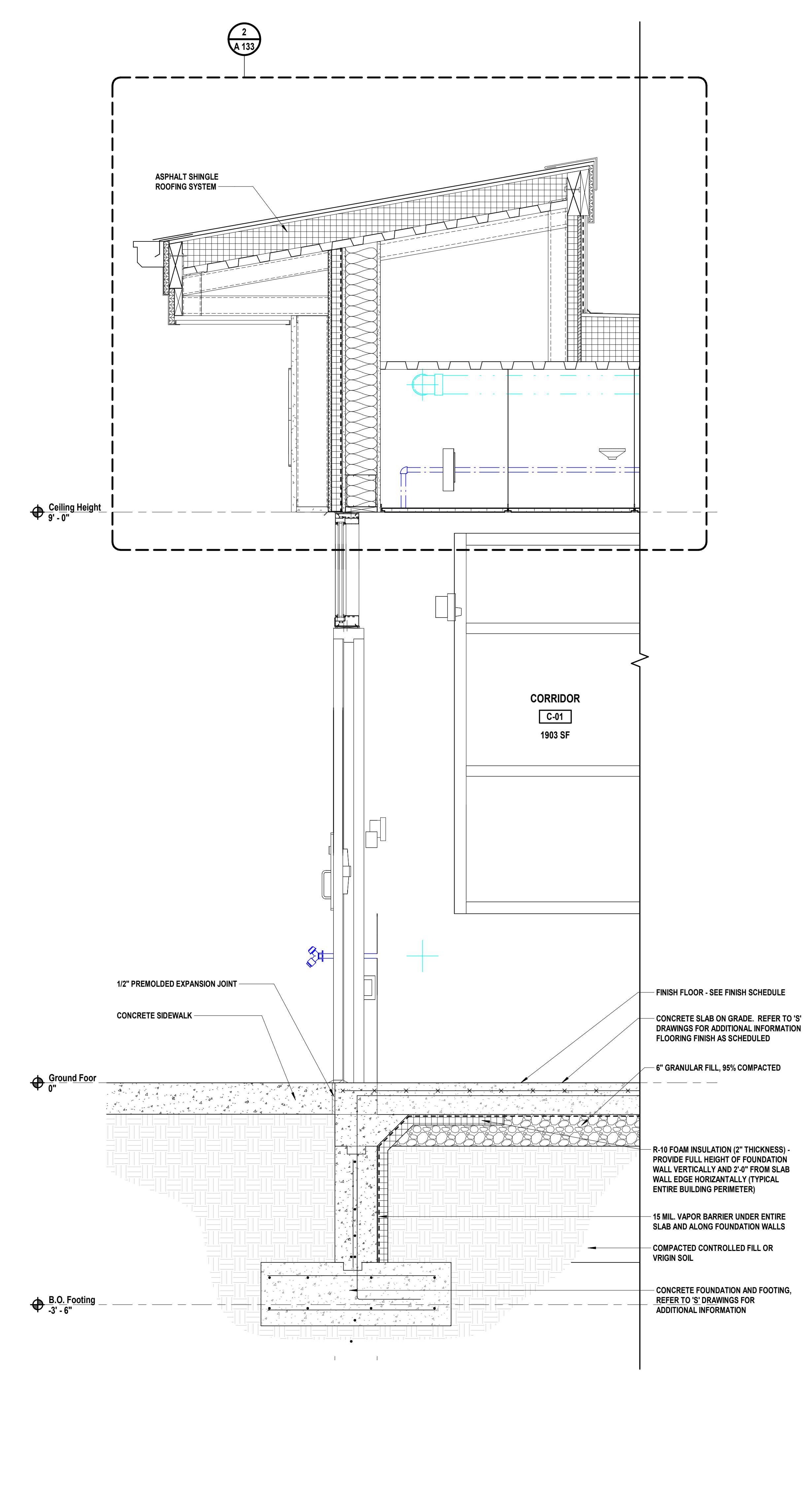
DRAWING No.
A 304.00



① Wall Section through Classroom and Exterior
SCALE: 1" = 1'-0"



③ Wall Section Through New Connecting Corridor C-01 and Existing Lobby
SCALE: 1" = 1'-0"



② Wall Section through Corridor C-01 and Exterior
SCALE: 1" = 1'-0"

C:\Users\m...Documents\H2M\2401H1_CorridorCA_A_304.00.dwg 1/23/25 4:25:06 PM

GENERAL BATHROOM NOTES

- ALL PAINTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED IN THE SPECIFICATIONS.
- THIS DRAWING Serves As A GENERAL LIST OF FINISH ITEMS AND IS NOT A LIST OF ALL FINISH ITEMS WITHIN A ROOM OR SPACE. REFER TO ALL CONTRACT DOCUMENTS DRAWINGS AND SPECIFICATIONS TO DETERMINE ALL REQUIRED FINISHES AND FINISH ITEMS.
- MAINTAIN SAME FINISHES ALL WALLS WITHIN BATHROOMS.
- MOUNTING LOCATIONS OF ALL FIXTURES AND ACCESSORIES TO BE REVIEWED AND APPROVED IN FIELD BY THE ARCHITECT. ALL HEIGHTS SHALL COMPLY WITH ANSI A117.1.
- COORDINATE LOCATION OF PLUMBING FIXTURES WITH CONTRACT 'P'.
- PROVIDE 5/8" CEMENT BOARD ON ALL WALLS TO RECEIVE TILE FINISH.
- PROVIDE ALL BLOCKING AND REINFORCING IN ALL WALLS AND CEILING AS REQUIRED FOR SECURED MOUNTING OF ALL FIXTURES, TOILET PARTITIONS AND ACCESSORIES.
- FOR ALL BATHROOM JANITORY'S CLOSET WALLS / PARTITIONS. EXTEND GYP. BD. UP TO THE UNDERSIDE OF THE FLOOR OR ROOF DECK ABOVE.

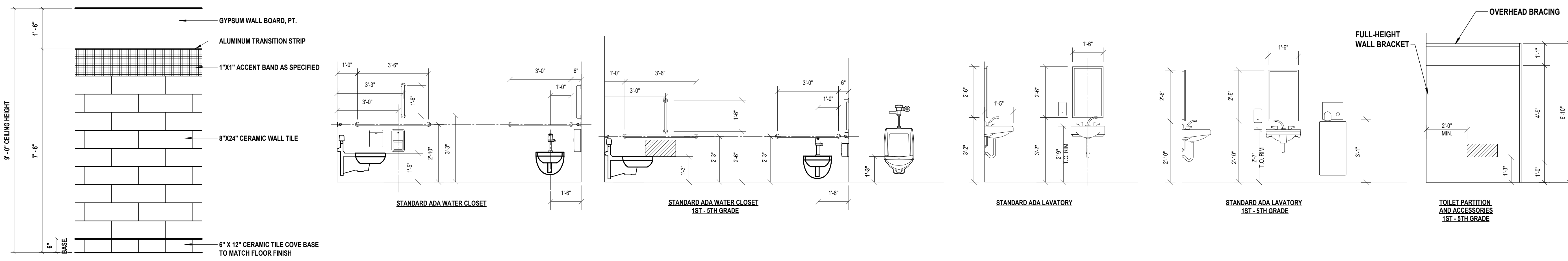
TOILET ACCESSORY SCHEDULE

TYPE MARK	DESCRIPTION
AC-1	ELECTRIC HAND DRYER W/ ADA RECESSED KIT
AC-2	TOUCHLESS SOAP DISPENSER
AC-3	WALL MOUNTED MIRROR
AC-4	1 1/2" DIAMETER S.S. VERTICAL GRAB BAR 18" HIGH
AC-5	1 1/2" DIAMETER S.S. HORIZONTAL GRAB BARS 36" AND 42" LONG
AC-6	TOILET PAPER DISPENSER

PLUMBING FIXTURE SCHEDULE

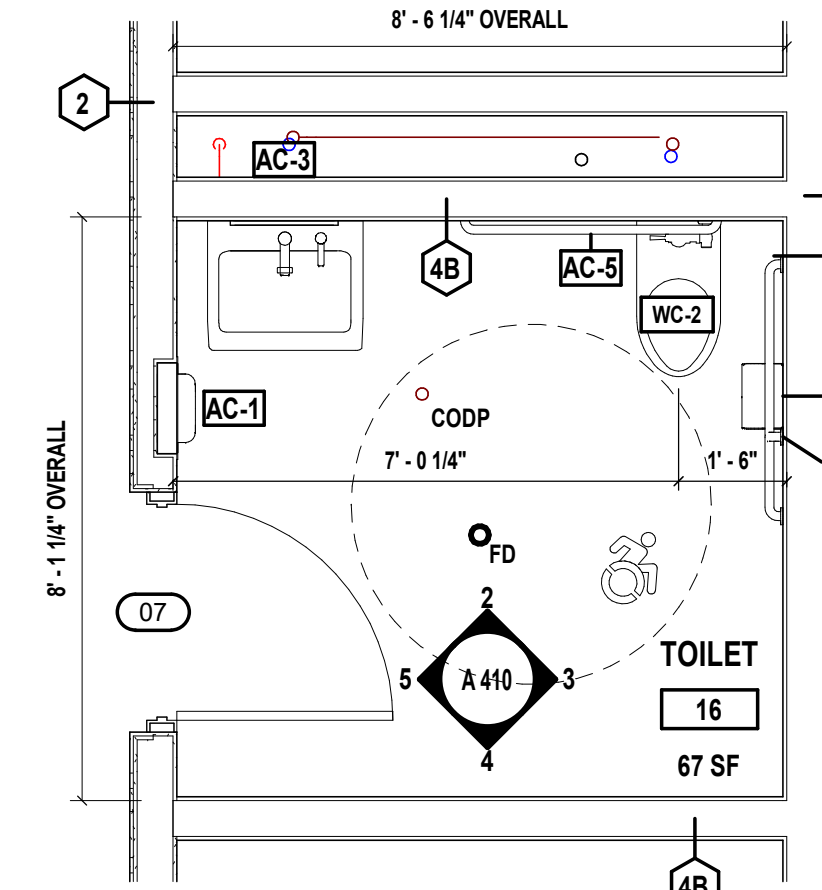
TYPE MARK	DESCRIPTION
WC-1 (HC)	STUDENT TOILET (ADA)
LAV-1 (HC)	WALL MOUNTED LAVATORY (ADA)
UR-1 (HC)	STUDENT URINAL (ADA)
HB-1	HOSE BIB
DF-1	DRINKING FOUNTAIN
FD-1	FLOOR DRAIN

NOTE: CONTRACTOR SHALL CONFIRM ALL WALL MOUNTED WATER CLOSET HEIGHTS PRIOR TO INSTALLATION.



Ceramic Wall Tile Pattern
SCALE: 1/2" = 1'-0"

Mounting Heights
SCALE: 3/8" = 1'-0"



1 Enlarged Toilet Plan
SCALE: 3/8" = 1'-0"

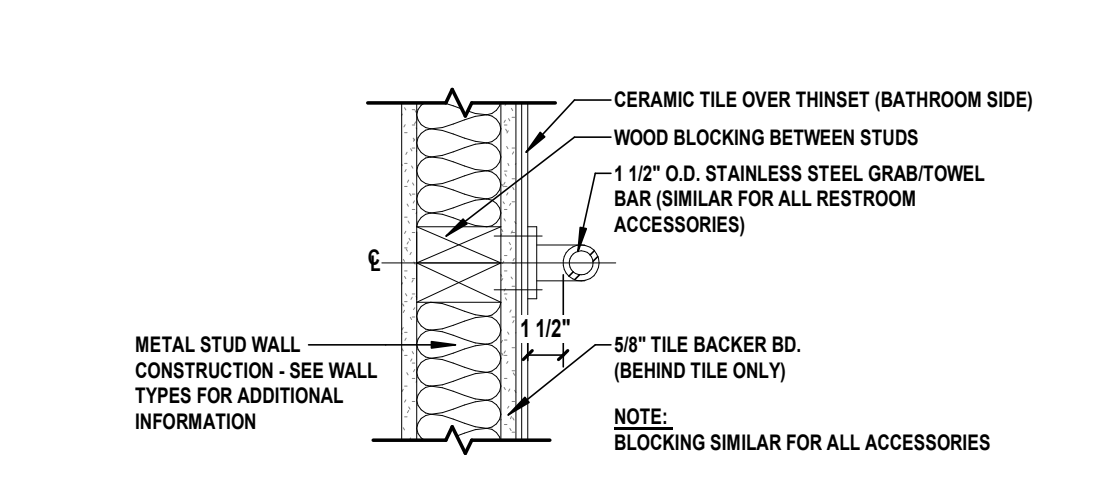
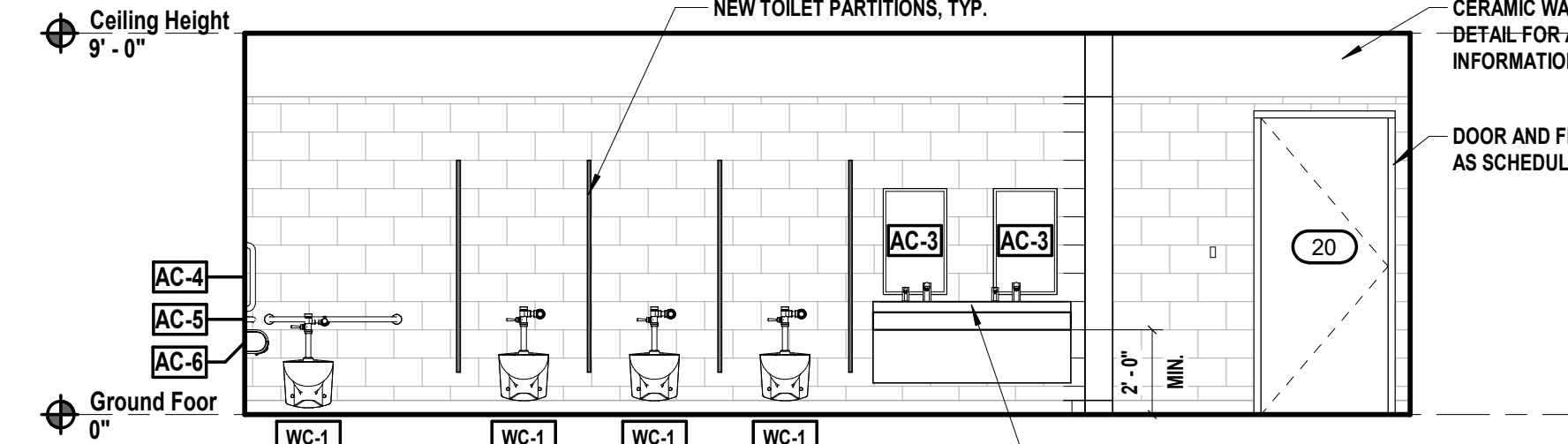
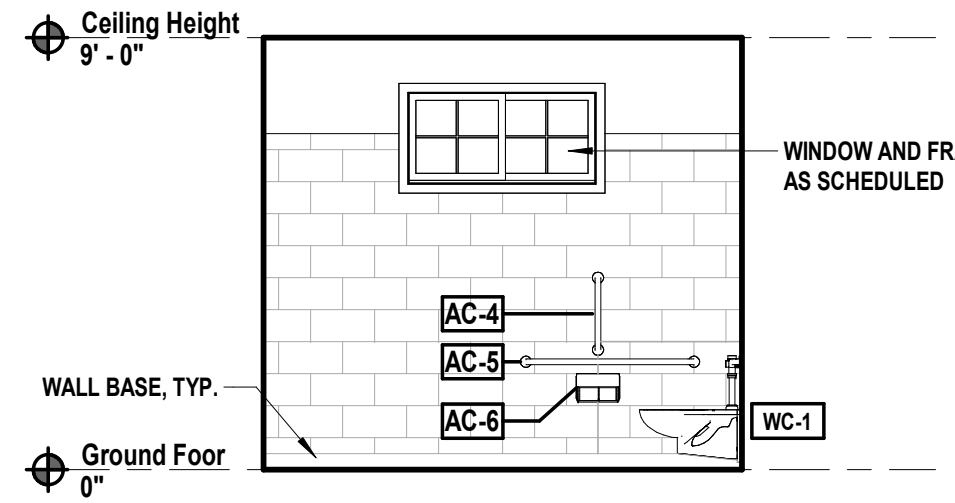
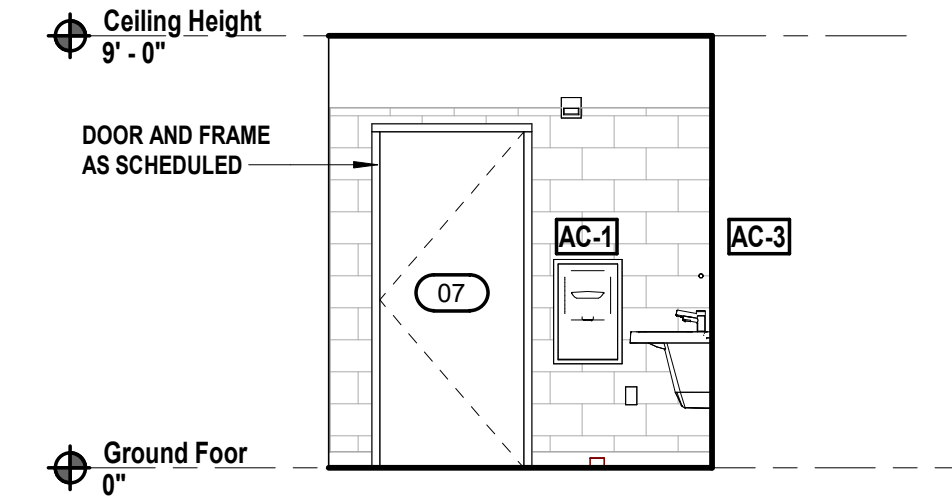
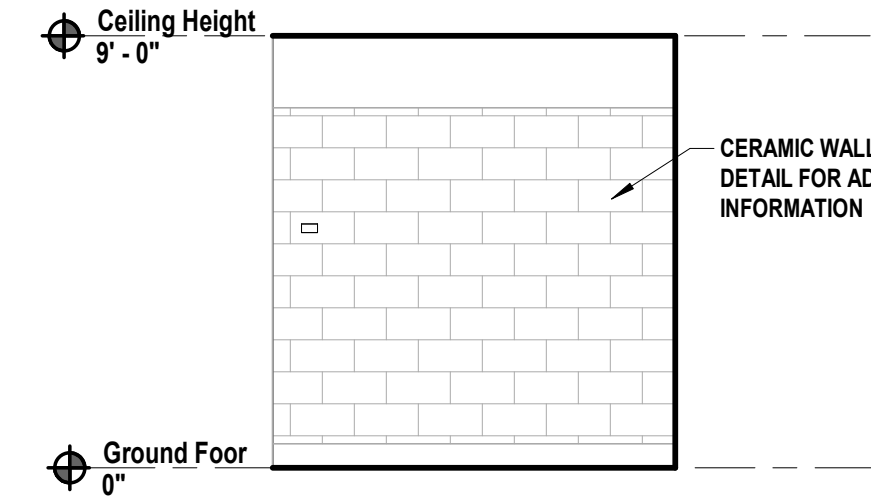
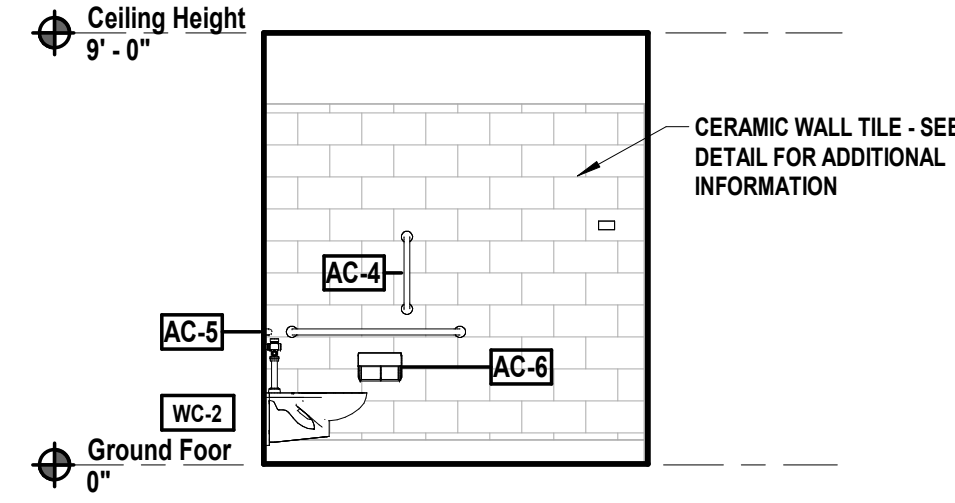
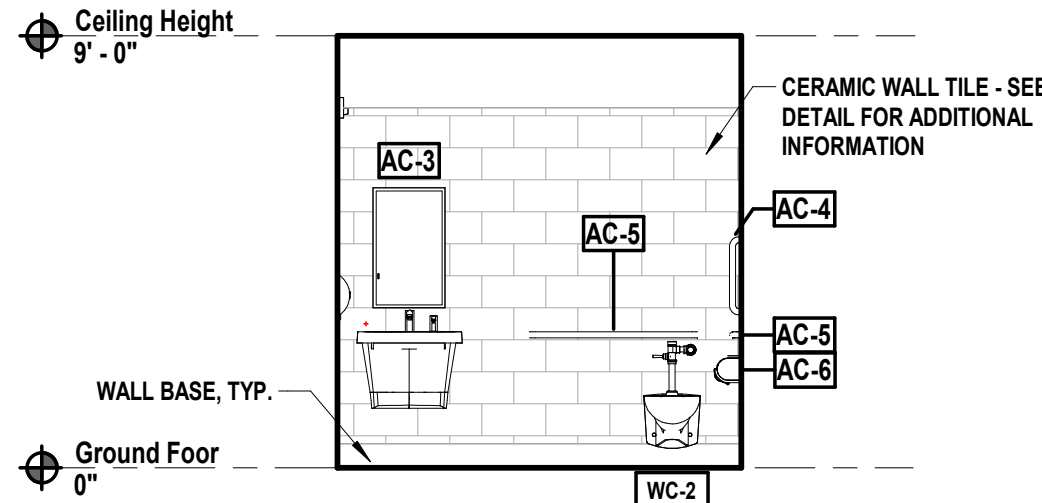
NOTE: ALL DIMENSIONS ON THIS PLAN ARE MEASURED FROM STUD TO STUD

2 Toilet Elevation
SCALE: 1/4" = 1'-0"

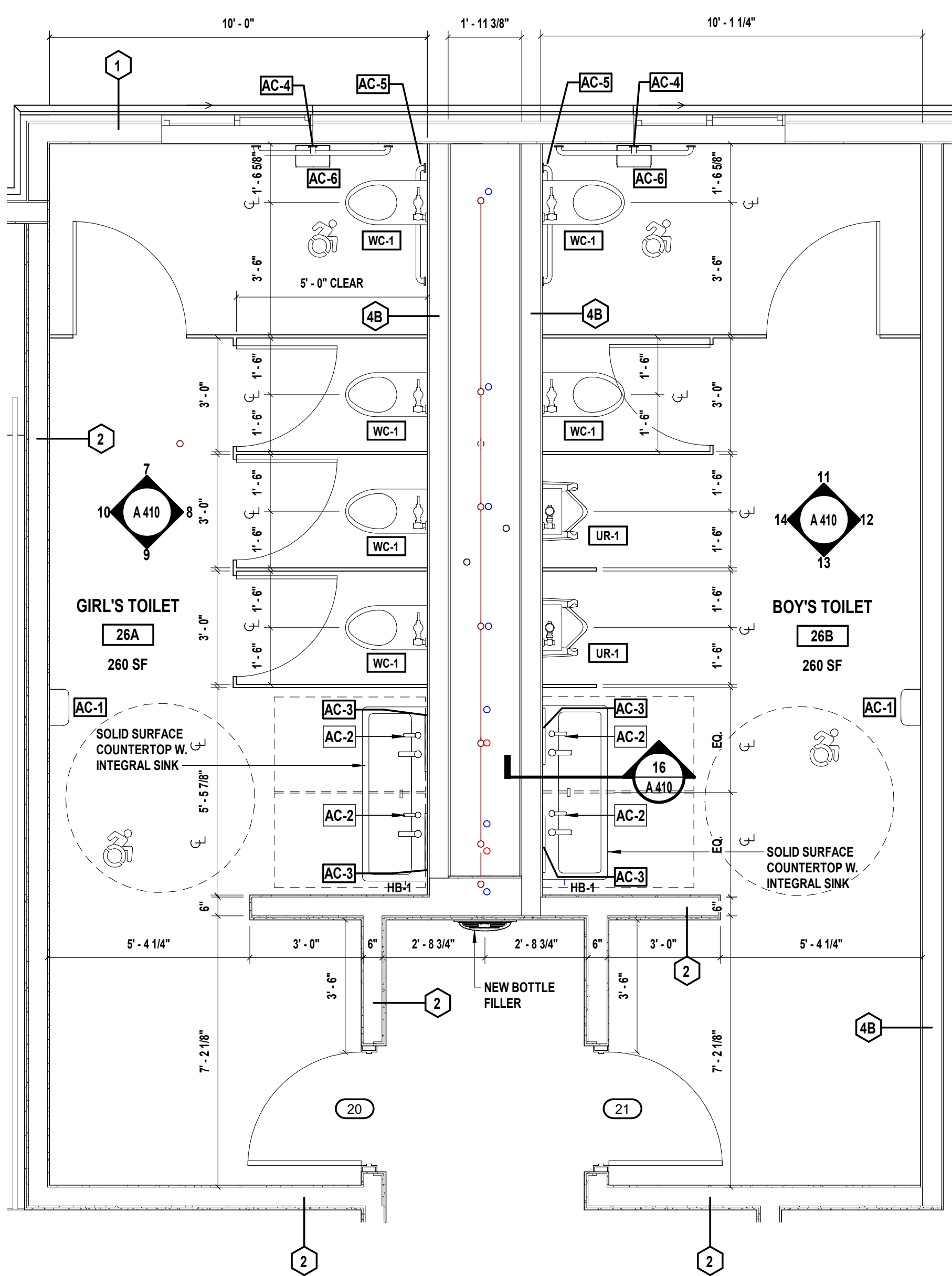
3 Toilet Elevation
SCALE: 1/4" = 1'-0"

4 Toilet Elevation
SCALE: 1/4" = 1'-0"

5 Toilet Elevation
SCALE: 1/4" = 1'-0"

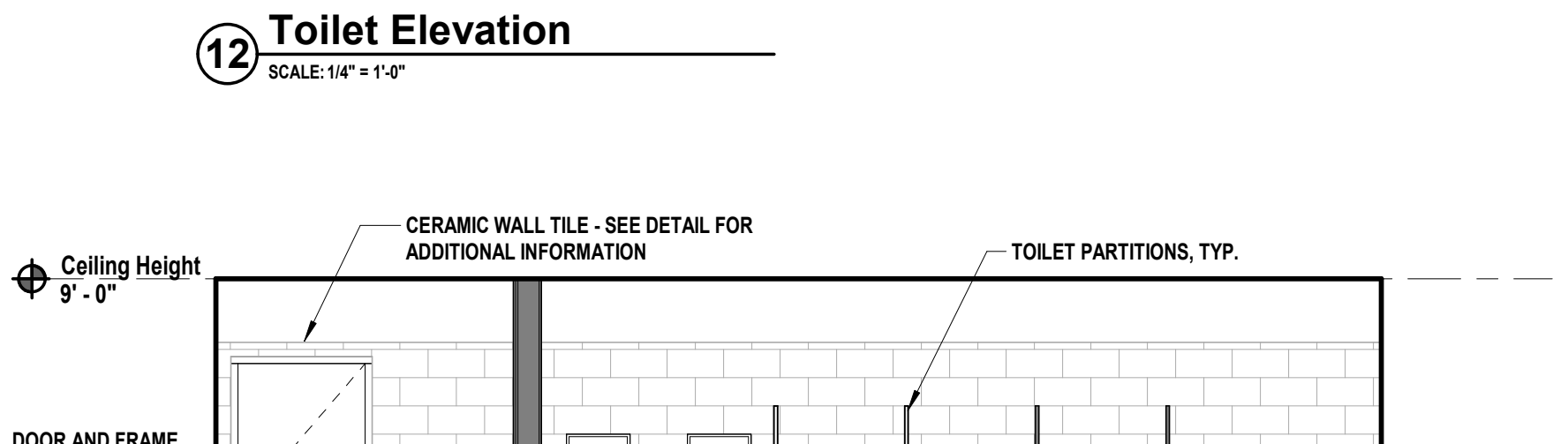
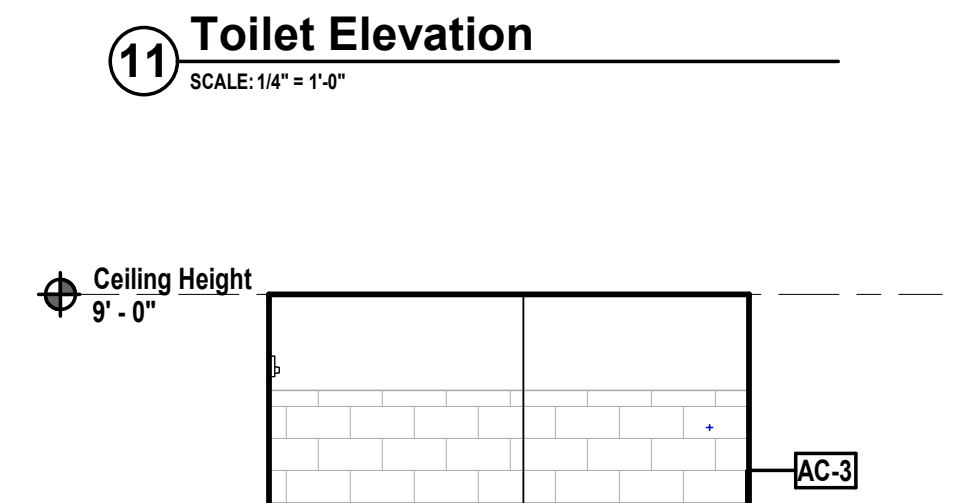
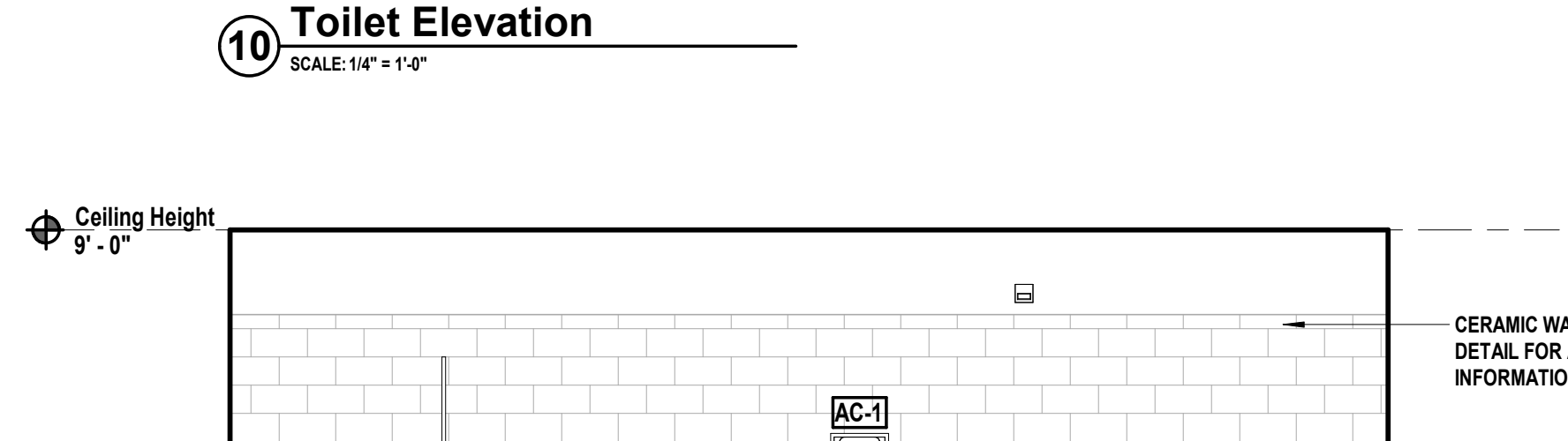
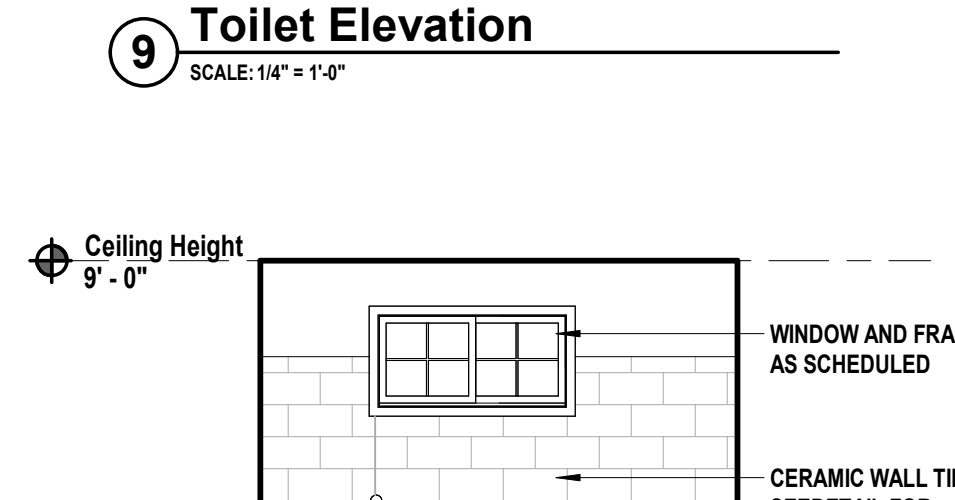
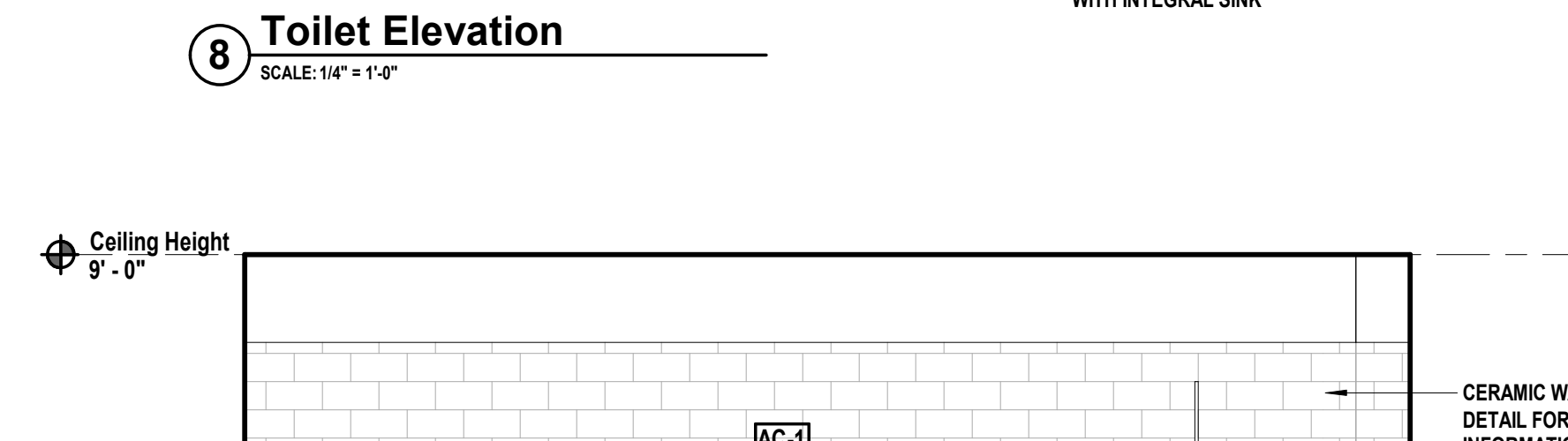
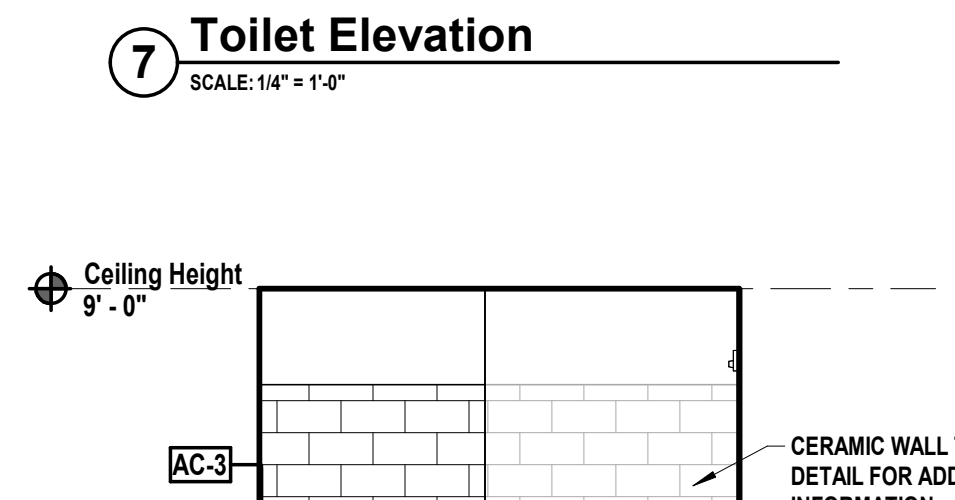


15 Grab Bar Blocking Detail, Typ.
SCALE: 1 1/2" = 1'-0"



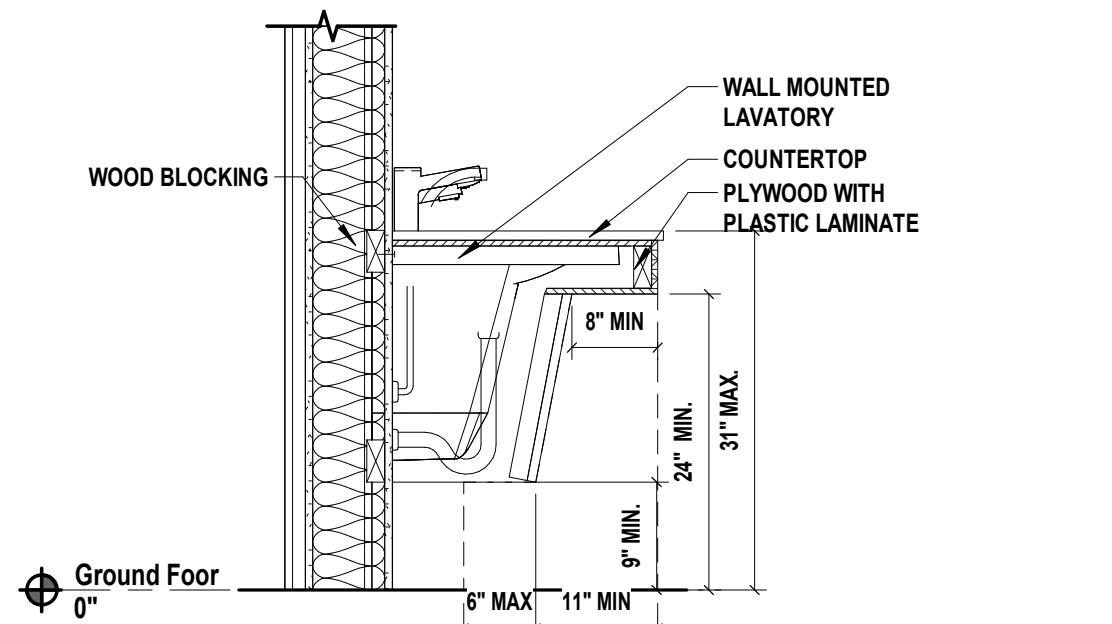
6 Enlarged Toilet Plans
SCALE: 3/8" = 1'-0"

NOTE: ALL DIMENSIONS ON THIS PLAN ARE MEASURED FROM STUD TO STUD



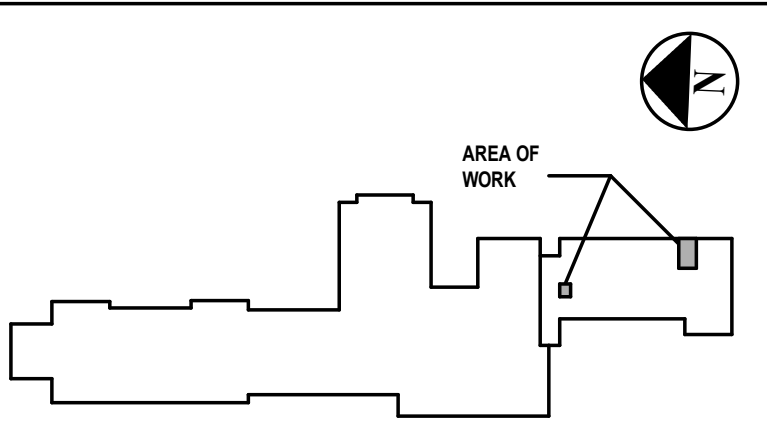
13 Toilet Elevation
SCALE: 1/4" = 1'-0"

14 Toilet Elevation
SCALE: 1/4" = 1'-0"



16 Sink Section
SCALE: 3/4" = 1'-0"

KEY PLAN



SAVERIO J. BELFIORE, R.A.
 033063
 DESIGNED BY: Designer: Author: CHECKED BY: Checkered: REVIEWED BY: REVIEWED BY:
 PROJECT NO: HCS02401H DATE: JANUARY 2025 SCALE: AS SHOWN

Harrison Central School District

Building Addition at the Purchase Elementary School



2995 Purchase Street
 Purchase, New York 10577

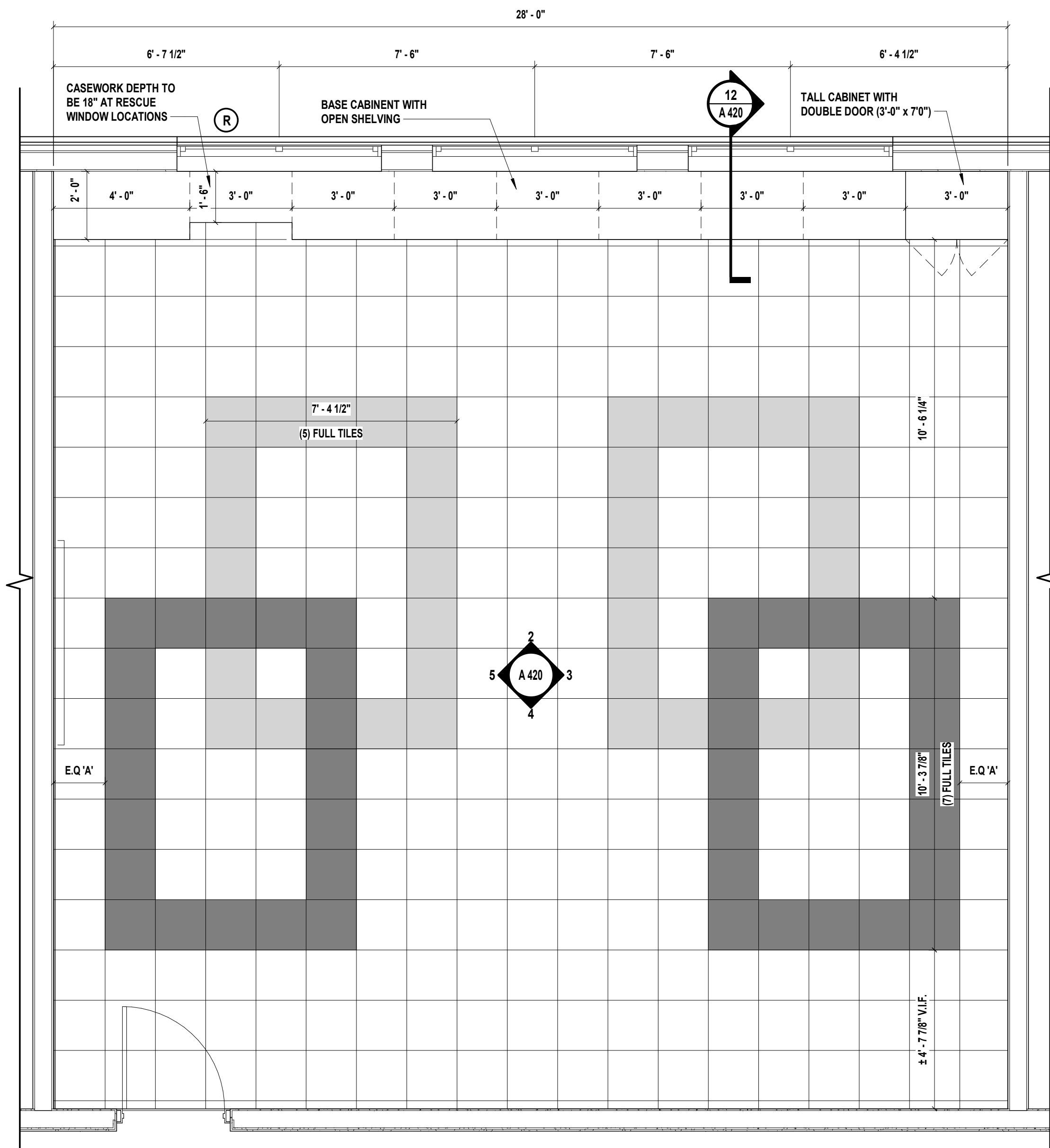
SED No.: 66-05-01-06-0-001-027

**CONTRACT G
 GENERAL CONSTRUCTION**

FINAL BID DOCUMENT

ENLARGED TOILET PLANS AND DETAILS

A 410.00

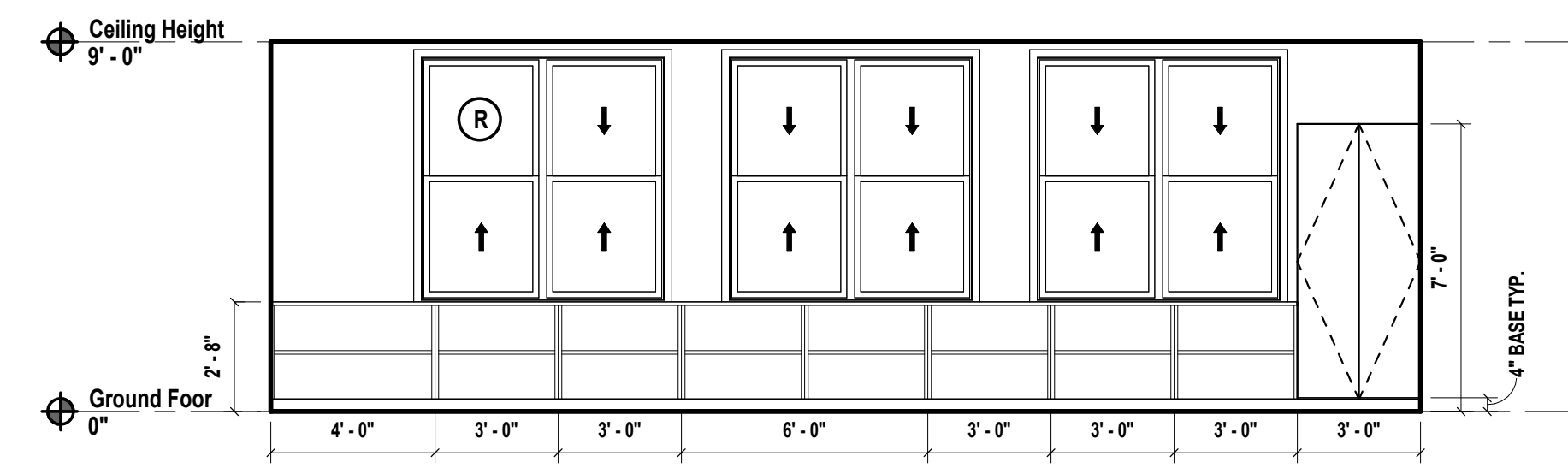


1 Typical Enlarged Classroom Finish Plan
SCALE: 3/8" = 1'-0"

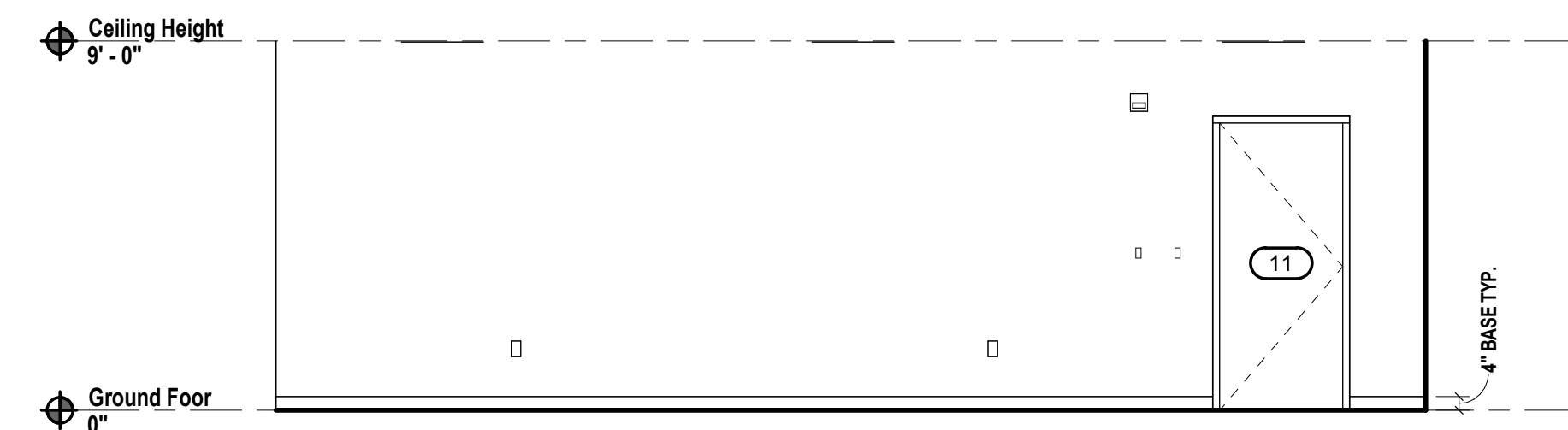
NOTE: CASEWORK LAYOUT IS APPROXIMATE. GENERAL CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL (8) CLASSROOMS FOR REVIEW BY OWNER/ARCHITECT.

LEGEND

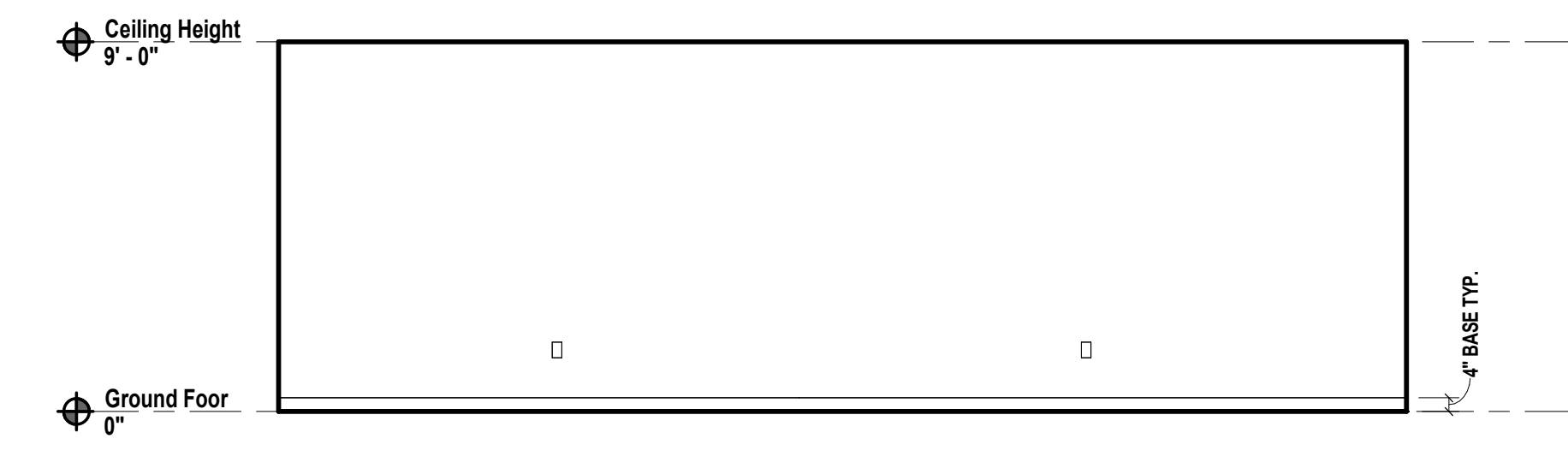
	HVT FIELD TILE COLOR #1 (BASE BID)
	HVT ACENT COLOR #2 (ADD-ALTERNATE G-4)
	HVT ACENT COLOR #3 (ADD-ALTERNATE G-4)



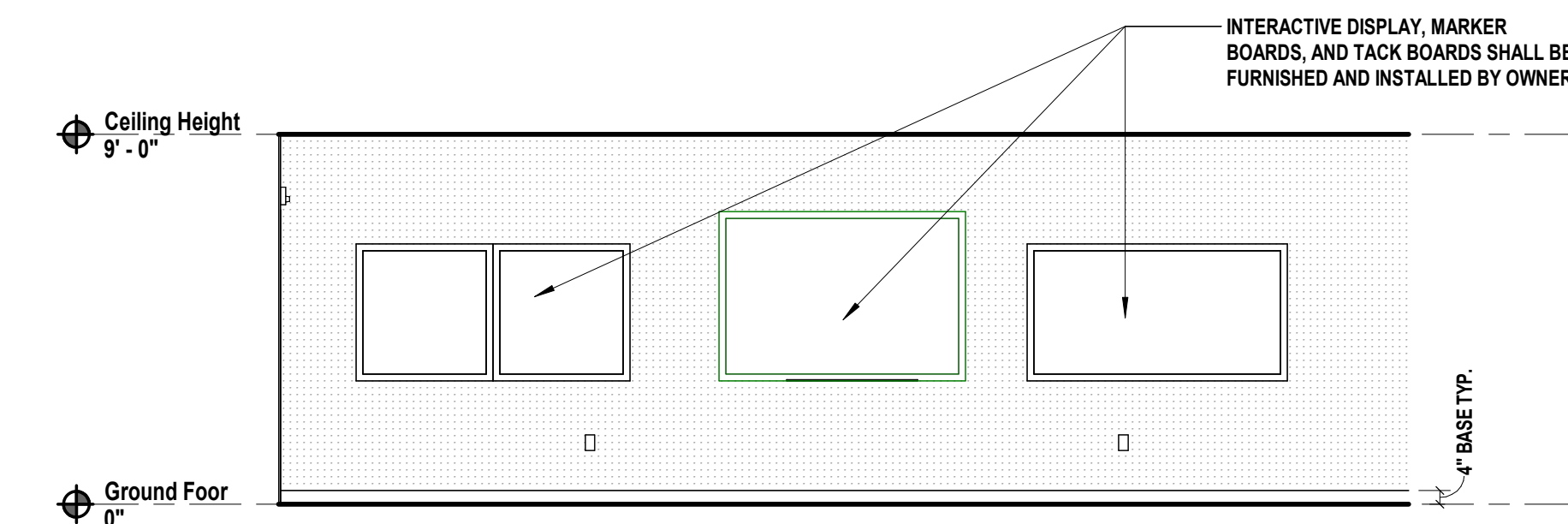
2 Classroom Elevation
SCALE: 1/4" = 1'-0"



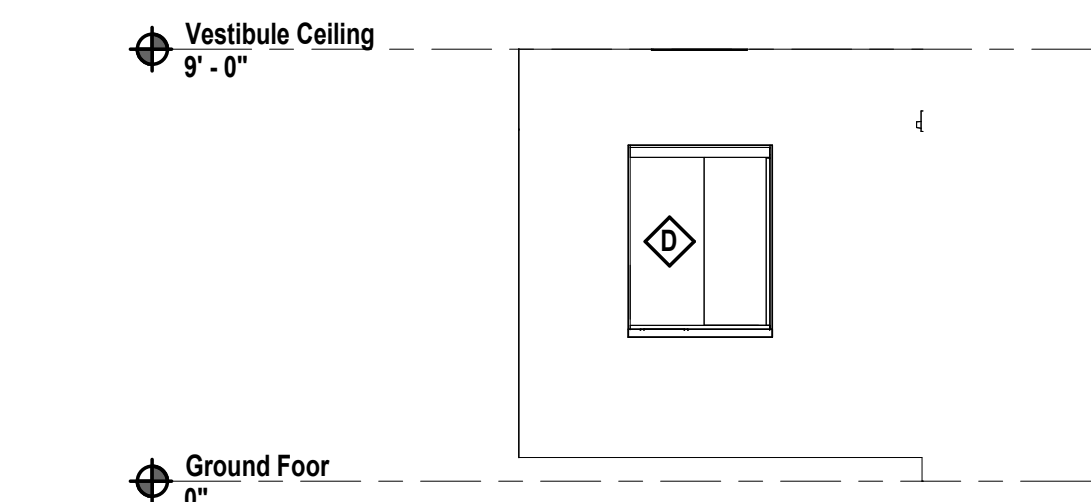
4 Classroom Elevation
SCALE: 1/4" = 1'-0"



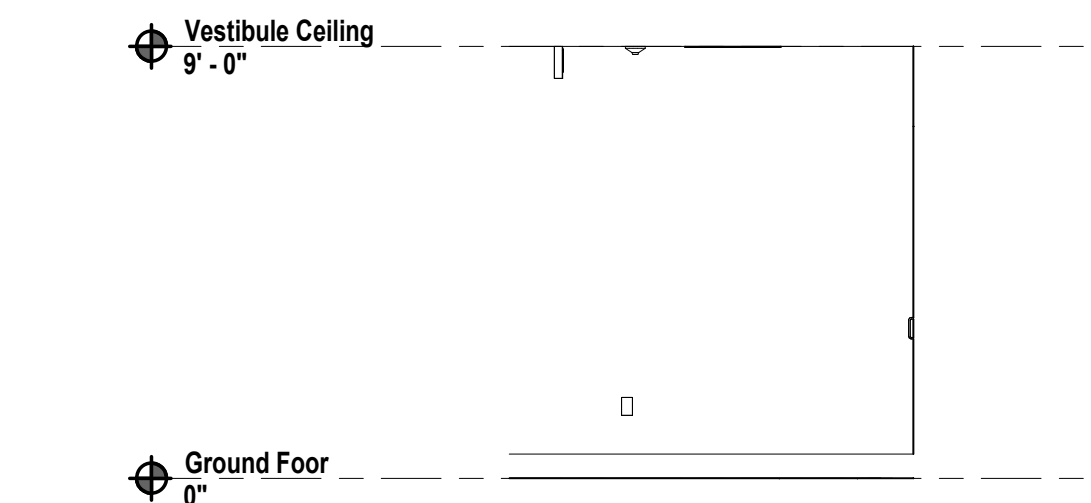
3 Classroom Elevation
SCALE: 1/4" = 1'-0"



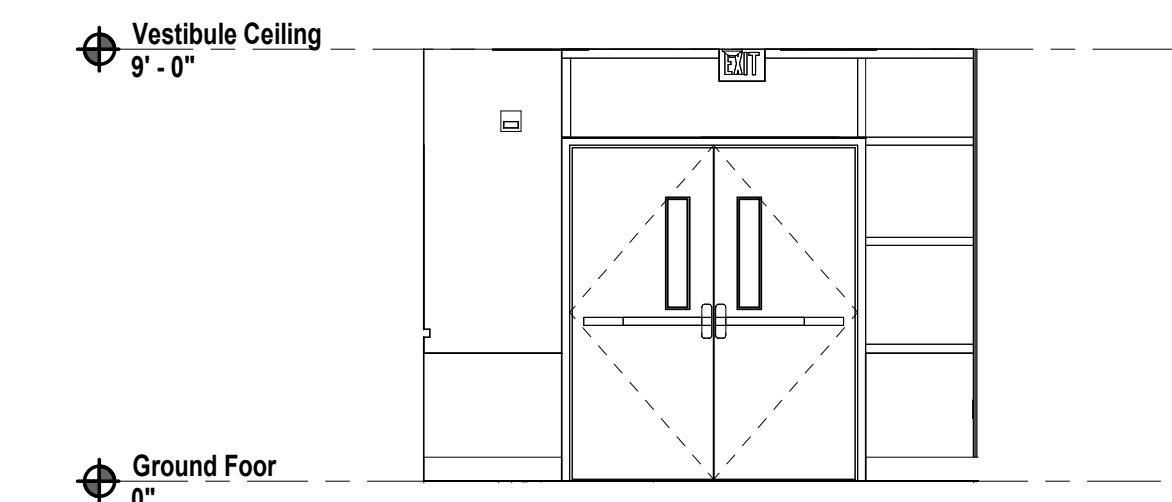
5 Classroom Elevation
SCALE: 1/4" = 1'-0"



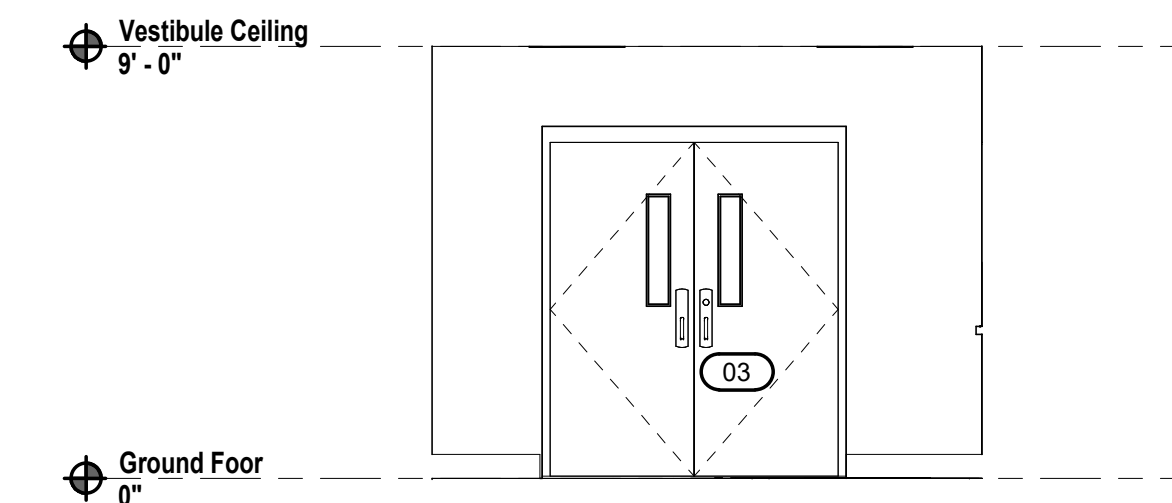
7 Interior Elevation
SCALE: 1/4" = 1'-0"



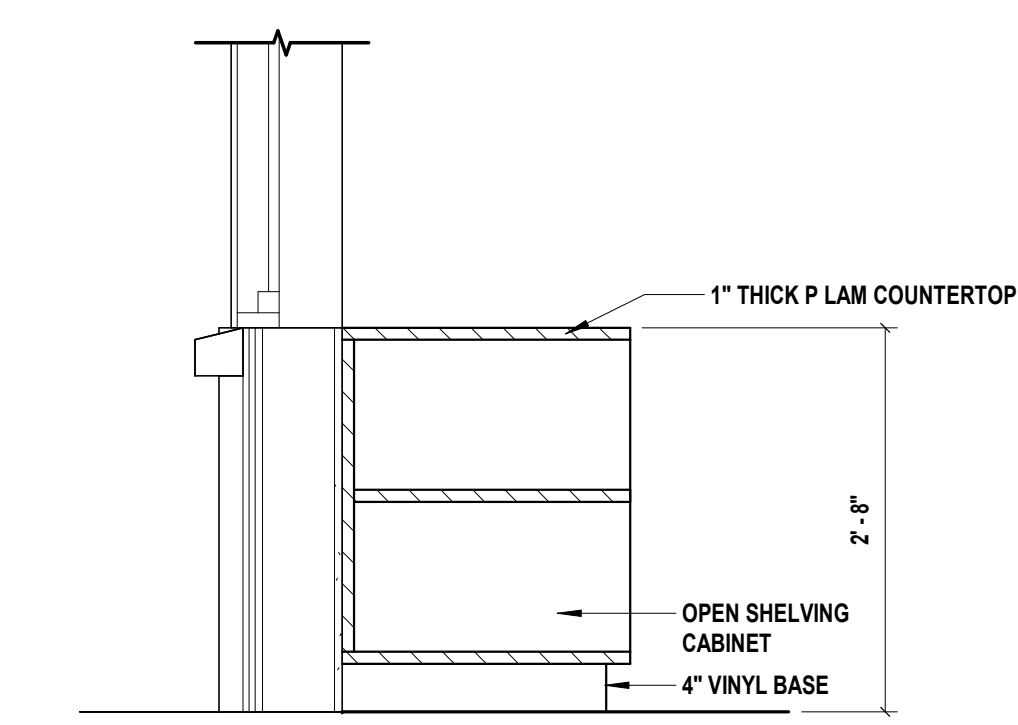
9 Interior Elevation
SCALE: 1/4" = 1'-0"



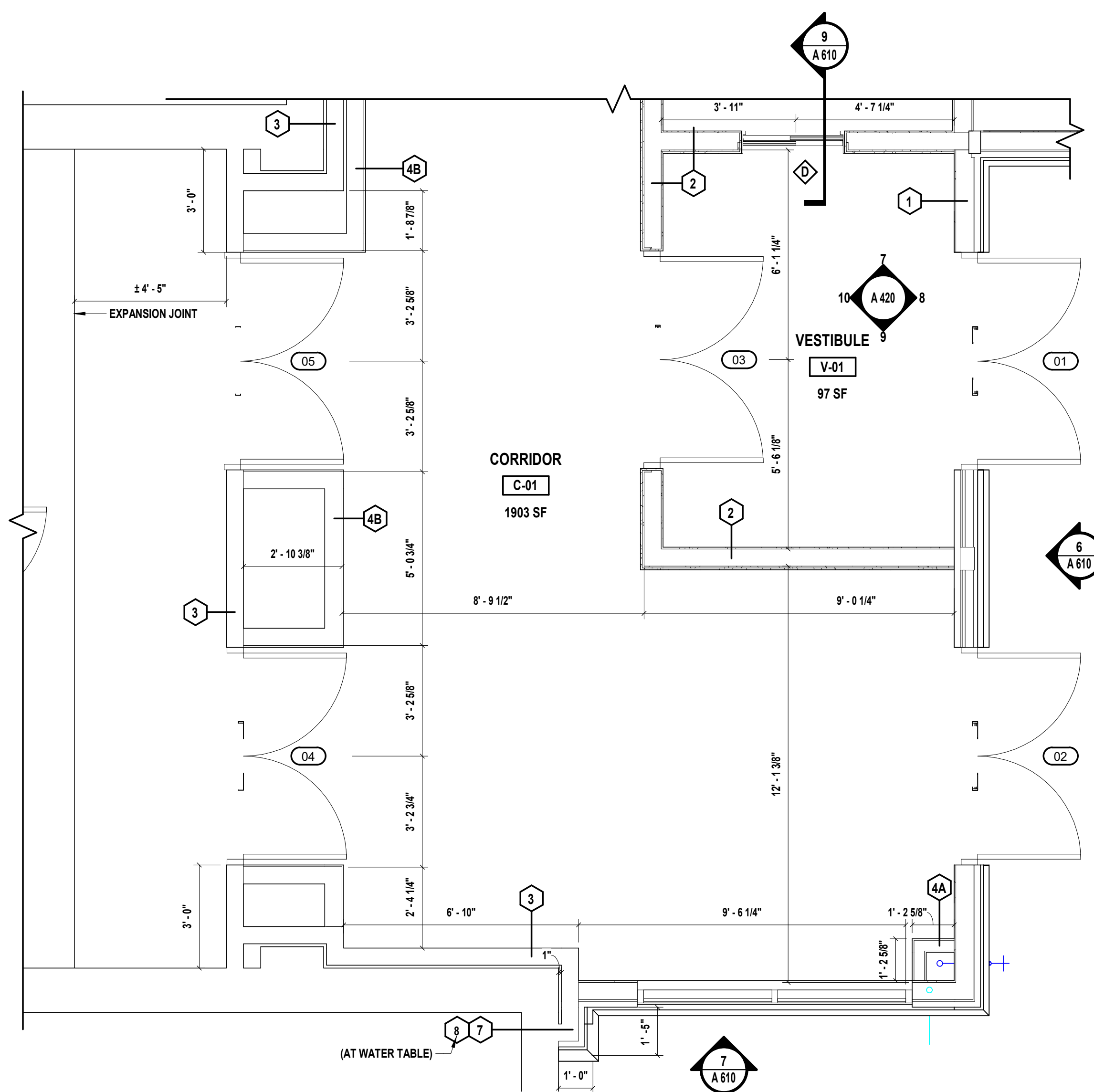
8 Interior Elevation
SCALE: 1/4" = 1'-0"



10 Interior Elevation
SCALE: 1/4" = 1'-0"

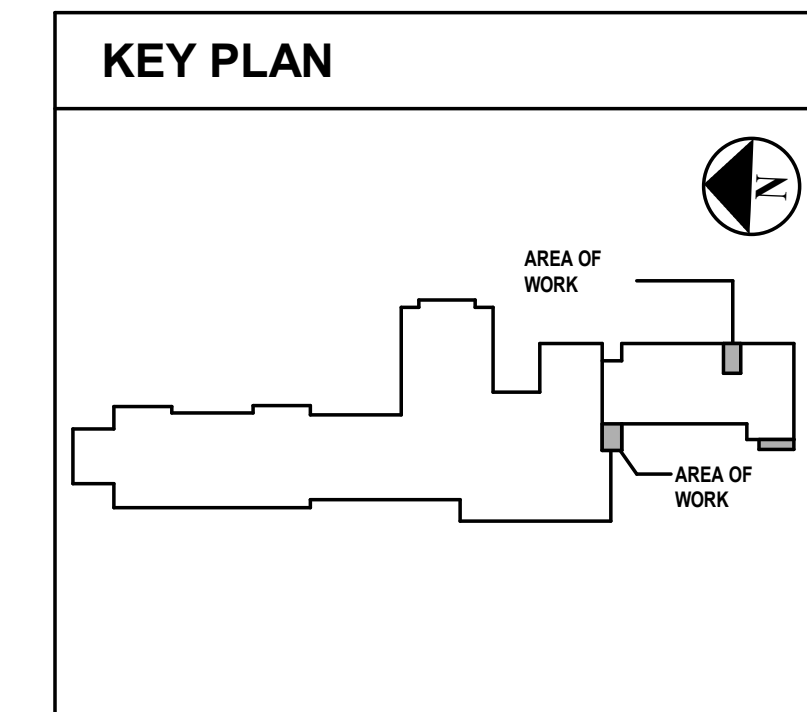


12 Casework Section
SCALE: 3/4" = 1'-0"



6 Enlarged Vestibule Plan
SCALE: 3/8" = 1'-0"

NOTE: ALL DIMENSIONS ON THIS PLAN ARE MEASURED FROM STUD TO STUD



CONSULTANTS:

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MARK	DATE	DESCRIPTION

1/23/25 ISSUED FOR BID
8/16/24 SED SUBMISSION



SAVERIO J. BELFIORE, R.A.
REGISTERED ARCHITECT Lic. No. 5585

DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED BY:

PROJECT No: HCS2401H DATE: JANUARY 2025 SCALE: AS SHOWN

CLIENT
Harrison Central School District

Building Addition at the Purchase Elementary School



2995 Purchase Street
Purchase, New York 10577

SED No.: 66-05-01-06-0-001-027

CONTRACT
**CONTRACT G
GENERAL CONSTRUCTION**

STATUS
FINAL BID DOCUMENT

SHEET TITLE
**ENLARGED CLASSROOM AND
MAIN ENTRANCE PLAN**

DRAWING No.
A 420.00

CONSULTANTS:

MARK	DATE	DESCRIPTION
1/23/25		ISSUED FOR BID
8/16/24		SED SUBMISSION



SAVERIO J. BELFIORE, R.A.
BY PROFESSIONAL ARCHITECT SEE REG. NO. 033063

DESIGNED BY: KK/EGM	DRAWN BY: EGM	CHECKED BY: KK	REVIEWED BY:
PROJECT No: HCS2401H	DATE: JANUARY 2025	SCALE: AS SHOWN	

CLIENT
Harrison Central School District

Building Addition at the Purchase Elementary School



2995 Purchase Street
Purchase, New York 10577

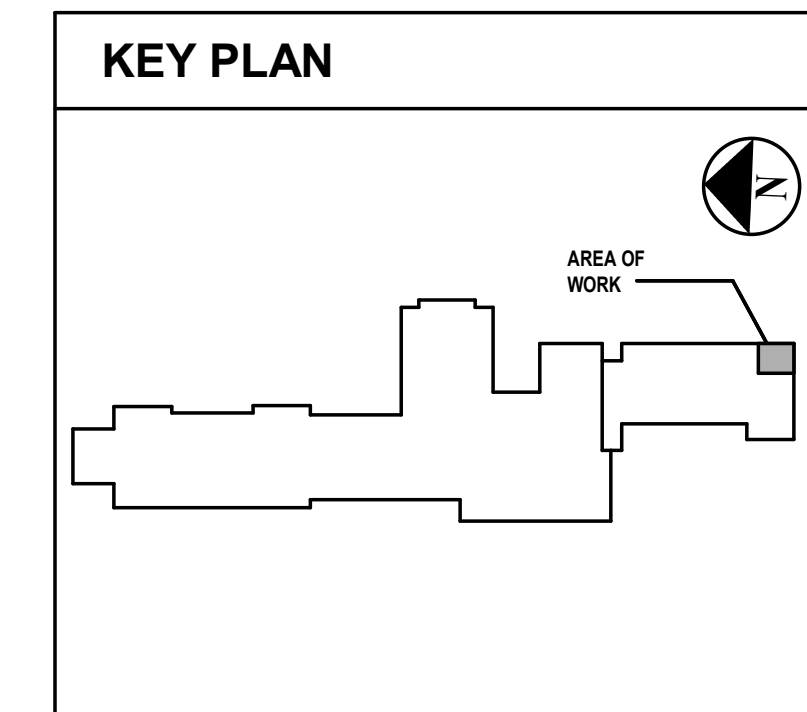
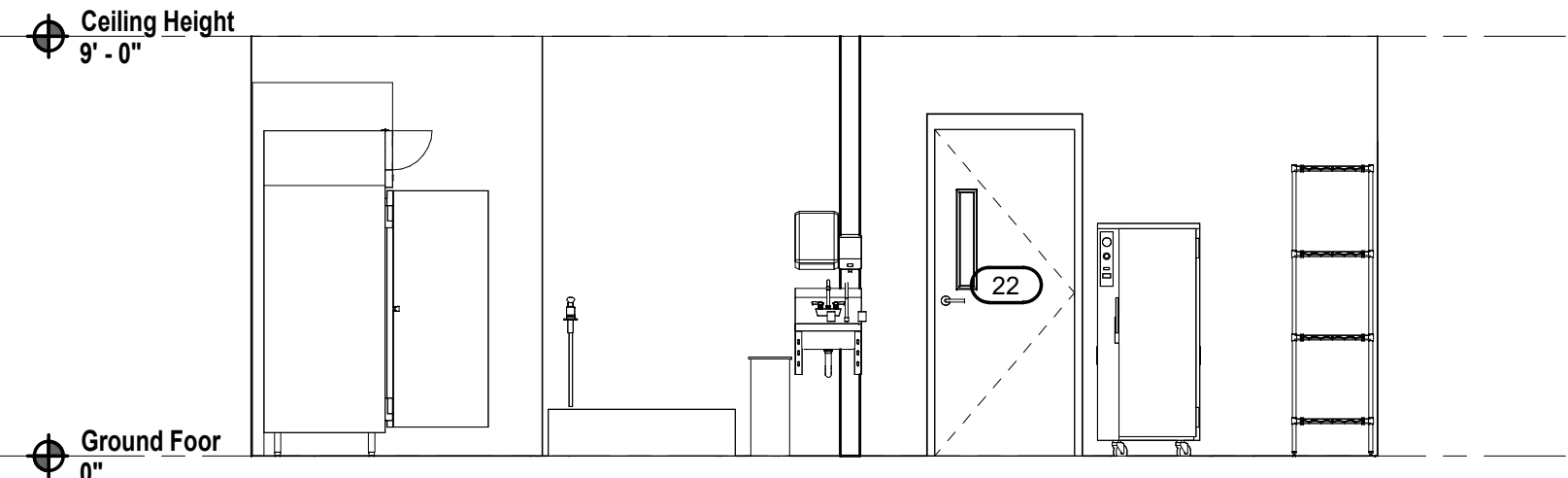
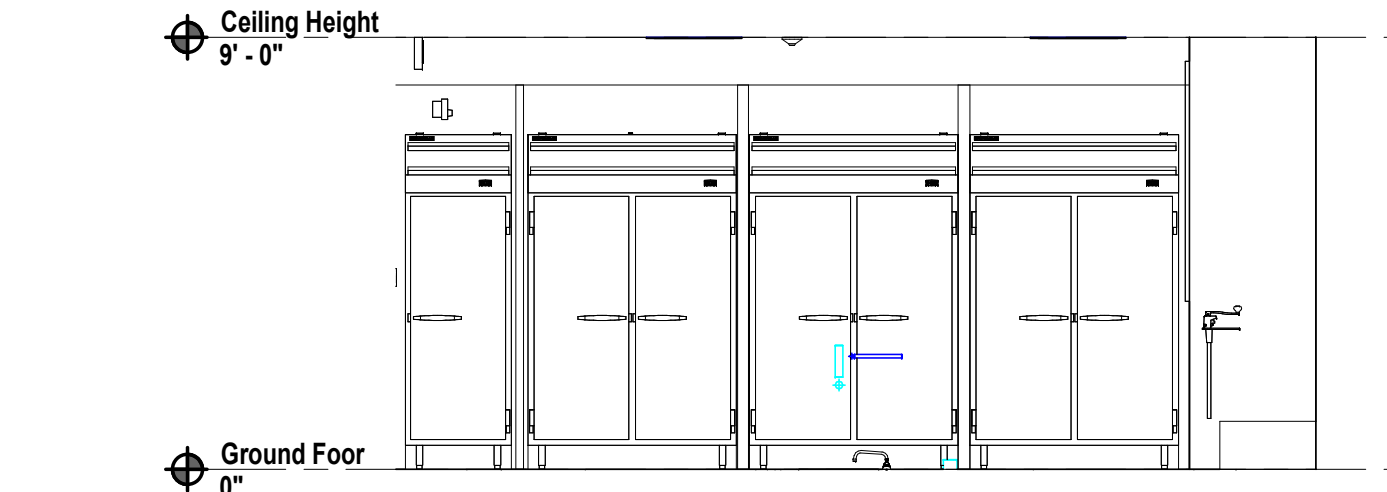
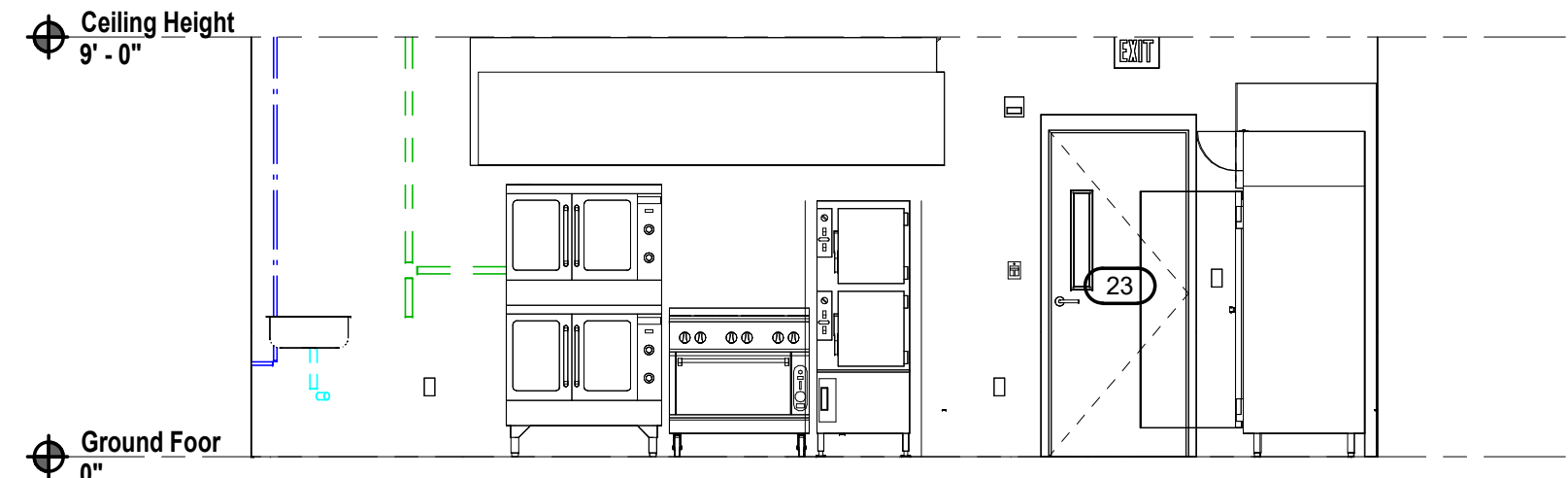
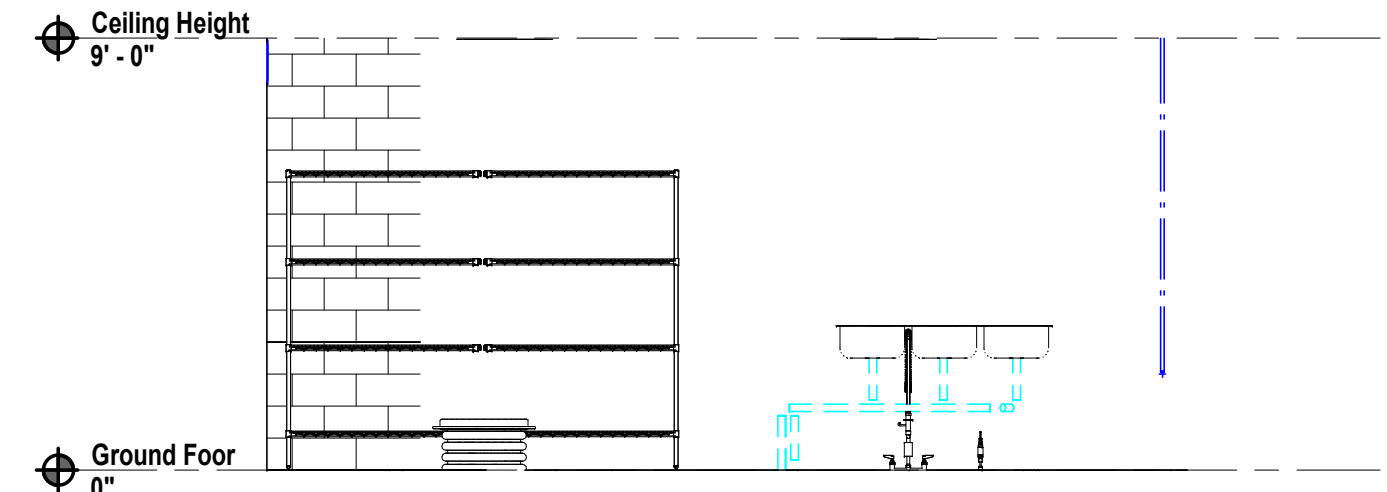
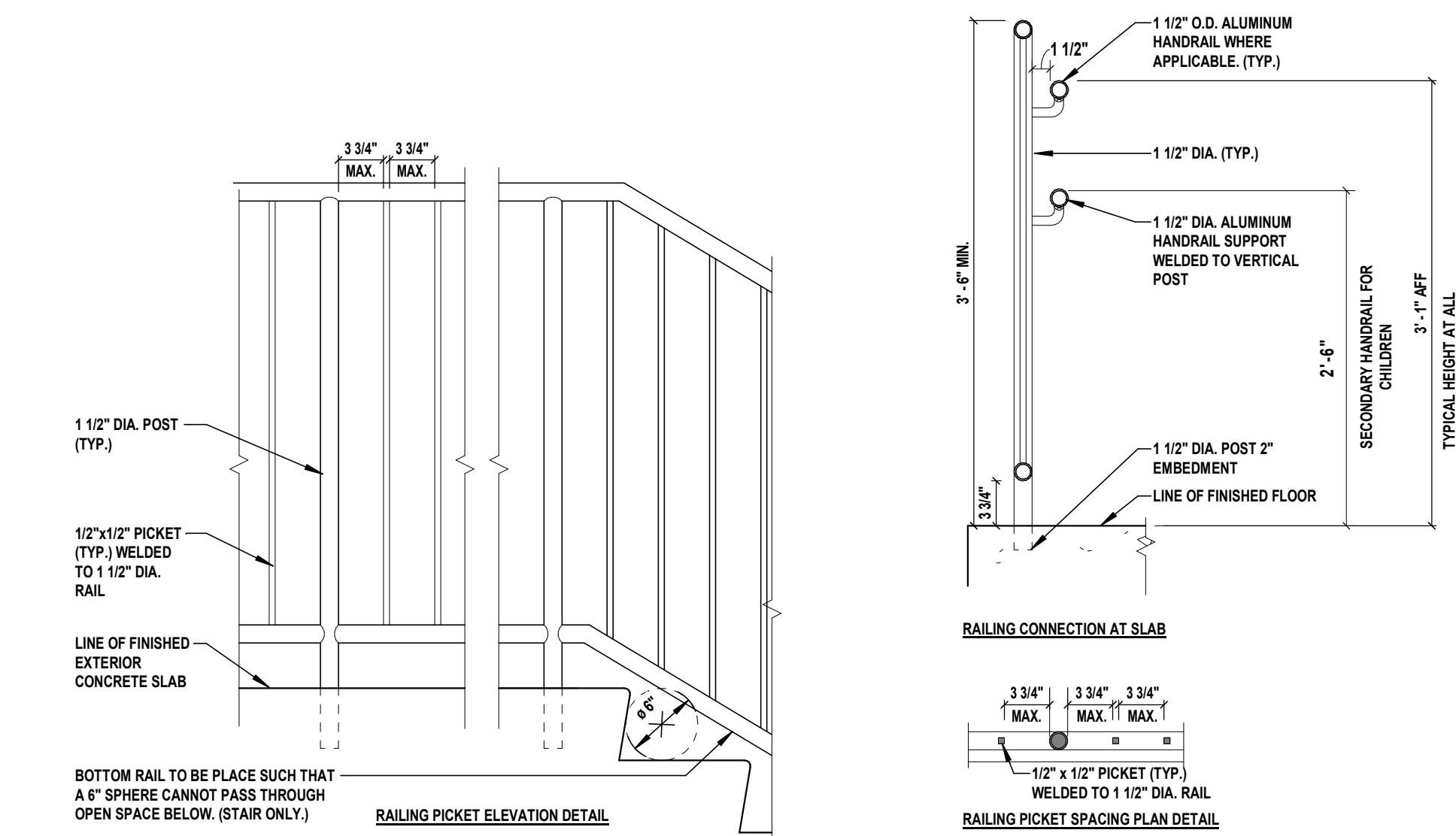
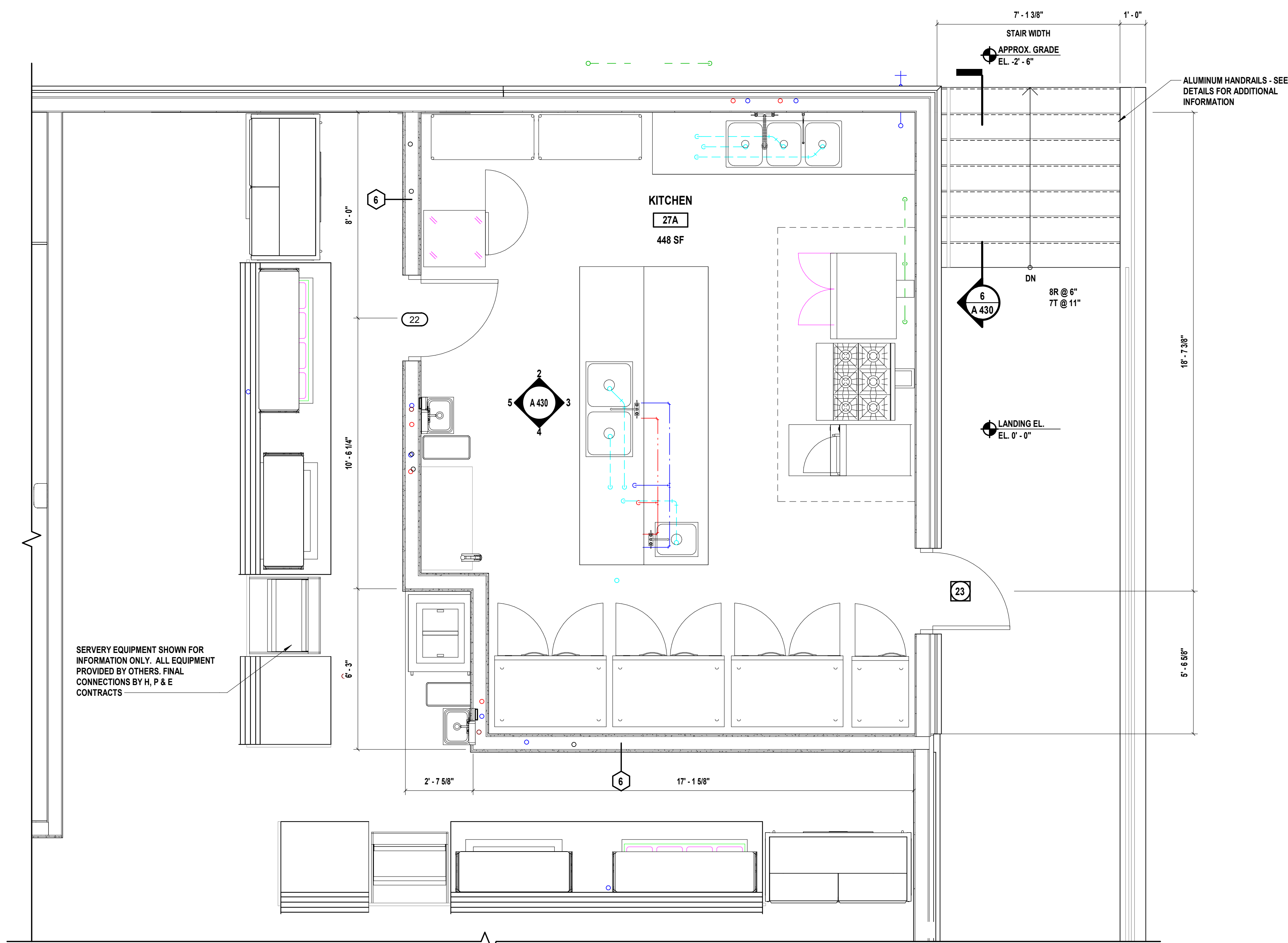
SED No.: 66-05-01-06-0-001-027

CONTRACT
**CONTRACT G
GENERAL CONSTRUCTION**

STATUS
FINAL BID DOCUMENT

SHEET TITLE
ENLARGED KITCHEN PLAN

DRAWING No.
A 430.00



CONSULTANTS table with columns: CONSULTANTS, NAME, ADDRESS, CITY, STATE, ZIP

MARK DATE DESCRIPTION table with columns: MARK, DATE, DESCRIPTION

8/16/24 SED SUBMISSION



SAVERIO J. BELFIORE R.A. PROFESSIONAL ARCHITECT Lic. No. 033065

DESIGNED BY, DRAWN BY, CHECKED BY, REVIEWED BY table with names: G.W., L.T.R.Z., G.W., AS SHOWN

Harrison Central School District



Building Addition at the Purchase Elementary School

2995 Purchase Street Purchase, New York 10577 SED No.: 66-05-01-06-0-001-027

CONTRACT CONTRACT G GENERAL CONSTRUCTION

STATUS SED FINAL BID SET

SHEET TITLE FOODSERVICE GENERAL NOTES, LEGENDS, ABBREVIATIONS

DRAWING NO. FS-100.00

ABBREVIATIONS

ABBREVIATION DESCRIPTION table listing architectural and construction abbreviations like ACT, ADDL, AFC, AFF, etc.

RESPONSIBILITY MATRIX

TRADE ABBREVIATION UNDER CONTRACT TO F.S.E.C. UNDER CONTRACT TO OWNER UNDER CONTRACT TO F.S. OPERATOR UNDER CONTRACT TO G.C. N/A T.B.D. table with trades like CARPENTER, LOW VOLTAGE CONTRACTOR, etc.

LIST OF FOODSERVICE DRAWINGS

SHEET NUMBER SHEET NAME INCLUDED FUTURE N/A table listing drawing numbers like FS-100, FS-200, FS-250, etc.

PLUMBING NOTES

- 1. THESE DRAWINGS SHOW PLUMBING REQUIREMENTS FOR FOODSERVICE EQUIPMENT... 2. ALL PREVAILING LOCAL PLUMBING CODES TO BE ADHERED TO... 3. PLUMBER TO PROVIDE ALL ROUGH-IN AND FINAL CONNECTIONS TO EQUIPMENT...

COMMERCIAL KITCHEN VENTILATION (CKV)/HVAC NOTES

- 1. ALL DUCT WORK SIZING AND ROUTING SHALL BE DETERMINED BY MECHANICAL ENGINEER... 2. ALL DUCTWORK AND/OR SUPPLY FAN SIZING, PROVIDING & INSTALLING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR... 3. BALANCE AND TUNE HVAC SYSTEM SHALL BE PERFORMED BY HVAC CONTRACTOR...

FOODSERVICE FIRE SUPPRESSION SYSTEM NOTES

- 1. ELECTRICIAN TO PROVIDE THE FOLLOWING CIRCUIT AT LOCATION OF FIRE SUPPRESSION SYSTEM... 2. IT IS THE RESPONSIBILITY OF THE ELECTRICIAN/PLUMBER TO ENSURE THE FOLLOWING OCCURS UPON DISCHARGE/ACTIVATION OF FOODSERVICE FIRE SUPPRESSION SYSTEM... 3. ALL SUPPLIES FEEDING ALL FOODSERVICE EQUIPMENT UNDER HOOD SHALL BE SHUT DOWN (GAS & ELECTRIC)...

EXISTING RELOCATED /DISCARDED FOODSERVICE EQUIPMENT

- 1. MECHANICAL DATA SHOWN FOR EXISTING/RELOCATED EQUIPMENT IS FOR REFERENCE ONLY... 2. EXISTING UTILITY CONNECTIONS REMAINING FROM DISCARDED FOODSERVICE EQUIPMENT THAT WILL NO LONGER BE REQUIRED SHALL BE CAPPED IN AN APPROPRIATE MANNER BY THE RESPECTIVE TRADES...

DEMOLITION NOTES

- 1. ALL ITEMS (SHOWN OR NOT SHOWN) ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE... 2. ELECTRICIAN/PLUMBER/HVAC CONTRACTOR TO BACK SERVICES FOR ITEMS REMOVED (AS REQUIRED BY LOCAL CODE)...

GENERAL NOTES

- 1. ALL WORK SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE STATE PROJECT RESIDES AND ALL OTHER AUTHORITIES HAVING JURISDICTION... 2. SHOULD THE GENERAL CONTRACTOR DESIRE ANY DISCREPANCIES OR AMBIGUITIES OF DATA THAT COULD AFFECT AS TO THE MEANING OF ANY DRAWING MATERIAL OR SPECIFICATIONS, THE G.C. SHALL NOTIFY... 3. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING AND/OR VERIFYING FOR ALL NECESSARY PERMITS, ETC. AND ALL OTHERS REQUIRED BY LOCAL AUTHORITIES HAVING JURISDICTION AND DELIVER THESE TO THE GENERAL CONTRACTOR... 4. ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE GENERAL CONDITIONS OF THE CONTRACTOR CONTRACT...

ELECTRICAL NOTES

- 1. THESE DRAWINGS SHOW ELECTRICAL REQUIREMENTS FOR FOODSERVICE ONLY (UNLESS OTHERWISE ILLUSTRATED) FOR ALL OTHER REQUIREMENTS SEE ARCHITECTURAL/MECHANICAL DRAWINGS... 2. ALL PREVAILING LOCAL ELECTRICAL CODES TO BE ADHERED TO... 3. ELECTRICIAN TO PROVIDE ALL ROUGH-IN AND FINAL CONNECTIONS TO EQUIPMENT... 4. ELECTRICIAN TO FURNISH AND INSTALL CONDUITS AND SLEEVES FOR WALK-IN BOX ITEMS (IF APPLICABLE)...

CONSULTANTS:

MARK	DATE	DESCRIPTION
1	12/13/2024	SED ADDENDUM 1



JONATHAN R. MURATORE, P.E.
DESIGNED BY: PMA
DRAWN BY: PMA
CHECKED BY: JRM
PROJECT No.: HCS2401H
DATE: JANUARY 2025
SCALE: AS SHOWN

CLIENT
Harrison Central School District

Building Addition at the Purchase Elementary School



2995 Purchase Street
Purchase, New York 10577

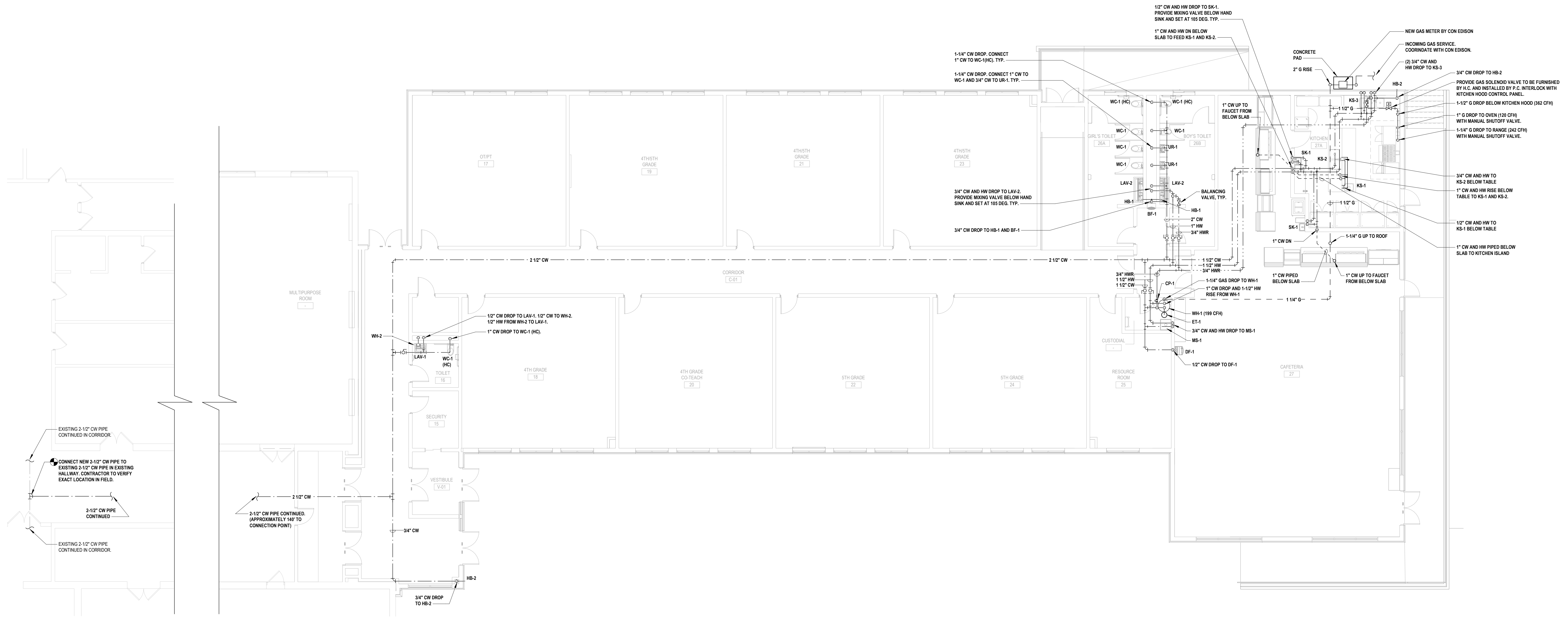
SED No.: 66-05-01-06-0-001-027

CONTRACT
**CONTRACT P
PLUMBING CONSTRUCTION**

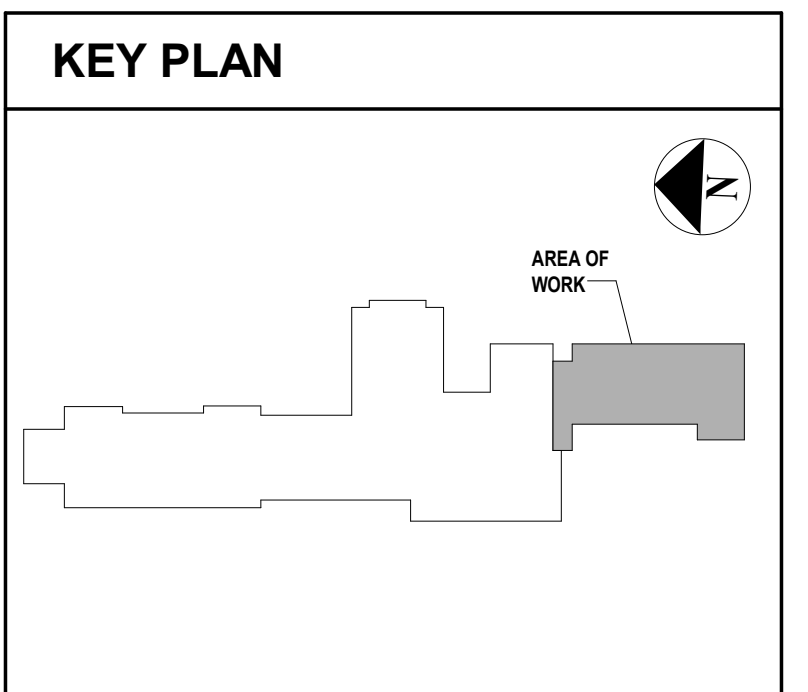
STATUS
FINAL BID DOCUMENT

SHEET TITLE
**PLUMBING
DOMESTIC WATER FIRST FLOOR
PLAN**

DRAWING No.
P 120.00



1 Plumbing Domestic Water First Floor Proposed Plan
SCALE: 1/8" = 1'-0"



CONSULTANTS:

MARK	DATE	DESCRIPTION
1	12/13/2024	SED ADDENDUM 1
1/23/25		ISSUED FOR BID
8/16/24		SED SUBMISSION



JONATHAN R. MURATORE, P.E. Exp. Date

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PMA	PMA	JRM	
PROJECT No:	DATE:	SCALE:	
HCS2401H	JANUARY 2025	AS SHOWN	

**Harrison Central
School District**

**Building Addition at the Purchase
Elementary School**



2995 Purchase Street
Purchase, New York 10577

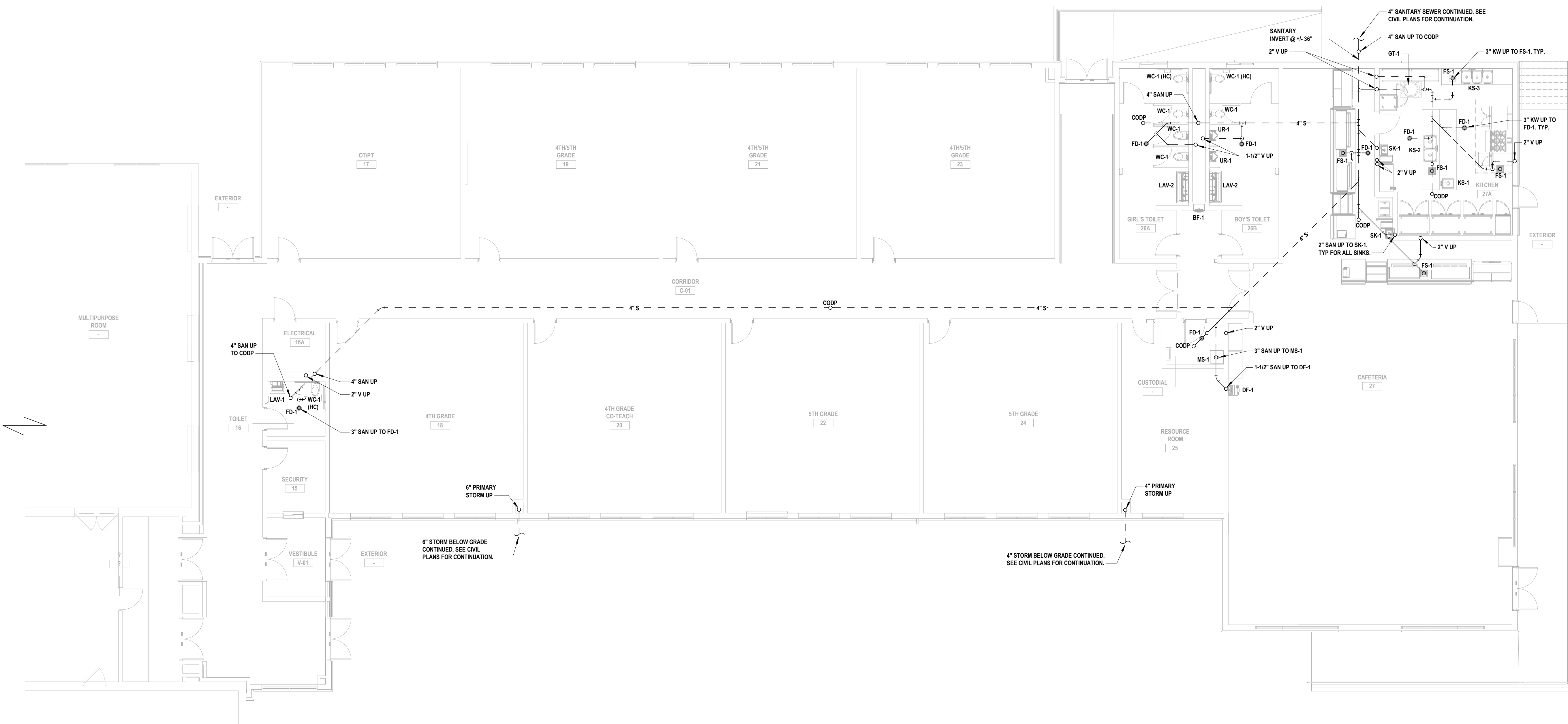
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CONTRACT
**CONTRACT P
PLUMBING CONSTRUCTION**

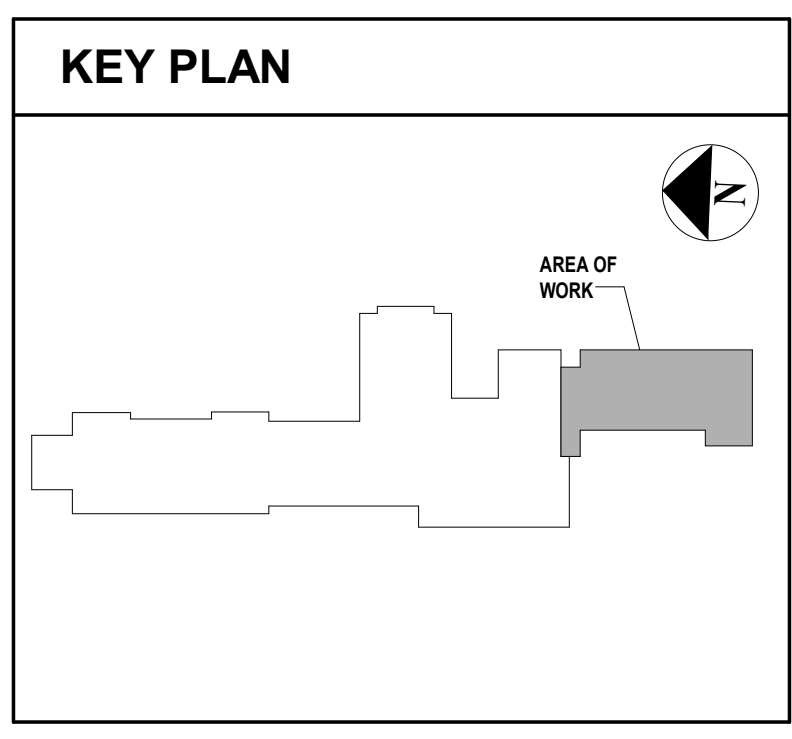
STATUS
FINAL BID DOCUMENT

SHEET TITLE
**PLUMBING
SANITARY AND VENT UNDERSLAB
PROPOSED PLAN**

DRAWING No.
P 130.00



1 Plumbing Sanitary and Vent Underslab Proposed Plan
SCALE: 1/8" = 1'-0"



MARK	DATE	DESCRIPTION

MARK	DATE	DESCRIPTION



JONATHAN R. MURATORE, P.E. Exp. Date: 11/30/2024

DESIGNED BY: PMA	DRAWN BY: PMA	CHECKED BY: JRM	REVIEWED BY:
PROJECT No: HCS2401H	DATE: JANUARY 2025	SCALE: AS SHOWN	

Harrison Central School District

Building Addition at the Purchase Elementary School



2995 Purchase Street
Purchase, New York 10577

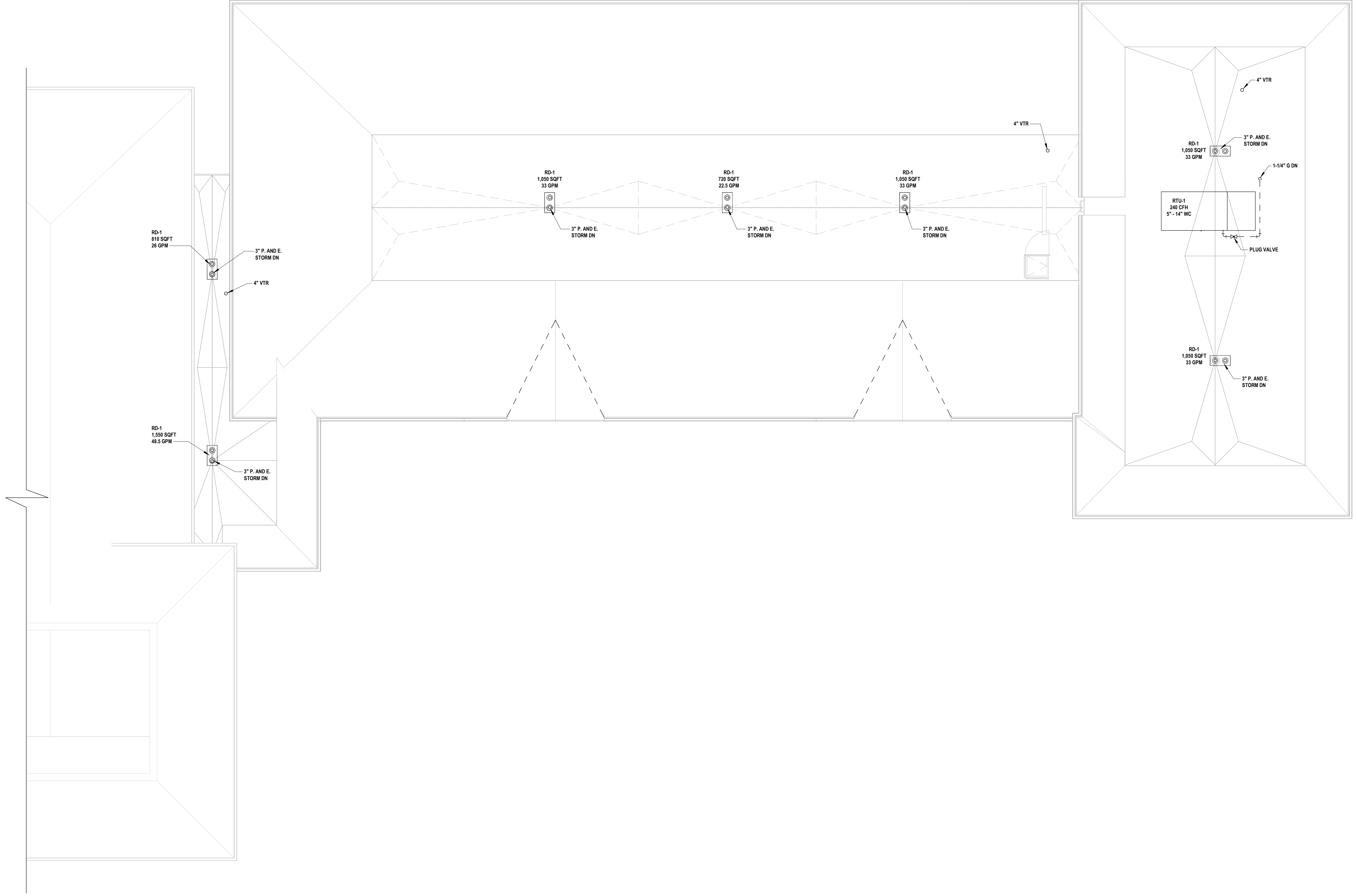
SED No.: 66-05-01-06-0-001-027

**CONTRACT P
PLUMBING CONSTRUCTION**

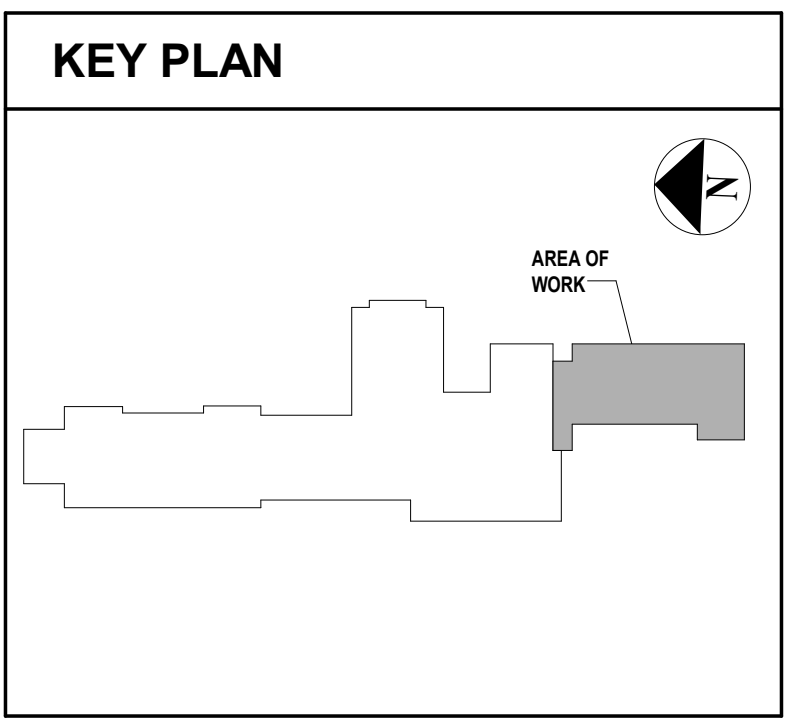
FINAL BID DOCUMENT

**PLUMBING
ROOF PLAN**

P 140.00

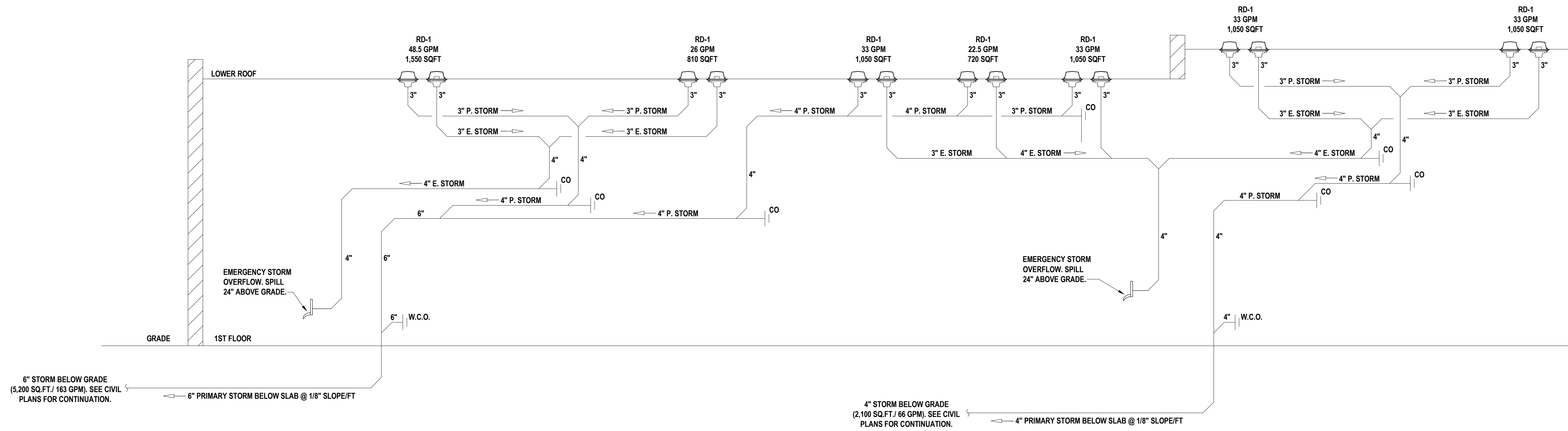


Plumbing Roof Plan
SCALE: 1/8" = 1'-0"



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CONSULTANTS:



JONATHAN R. MURATORE, P.E. Exp. Date:
 12/31/2025

DESIGNED BY: PMA DRAWN BY: PMA CHECKED BY: JRM REVIEWED BY:
 PROJECT No.: HCSD2401H DATE: JANUARY 2025 SCALE: AS SHOWN

Harrison Central School District

Building Addition at the Purchase Elementary School



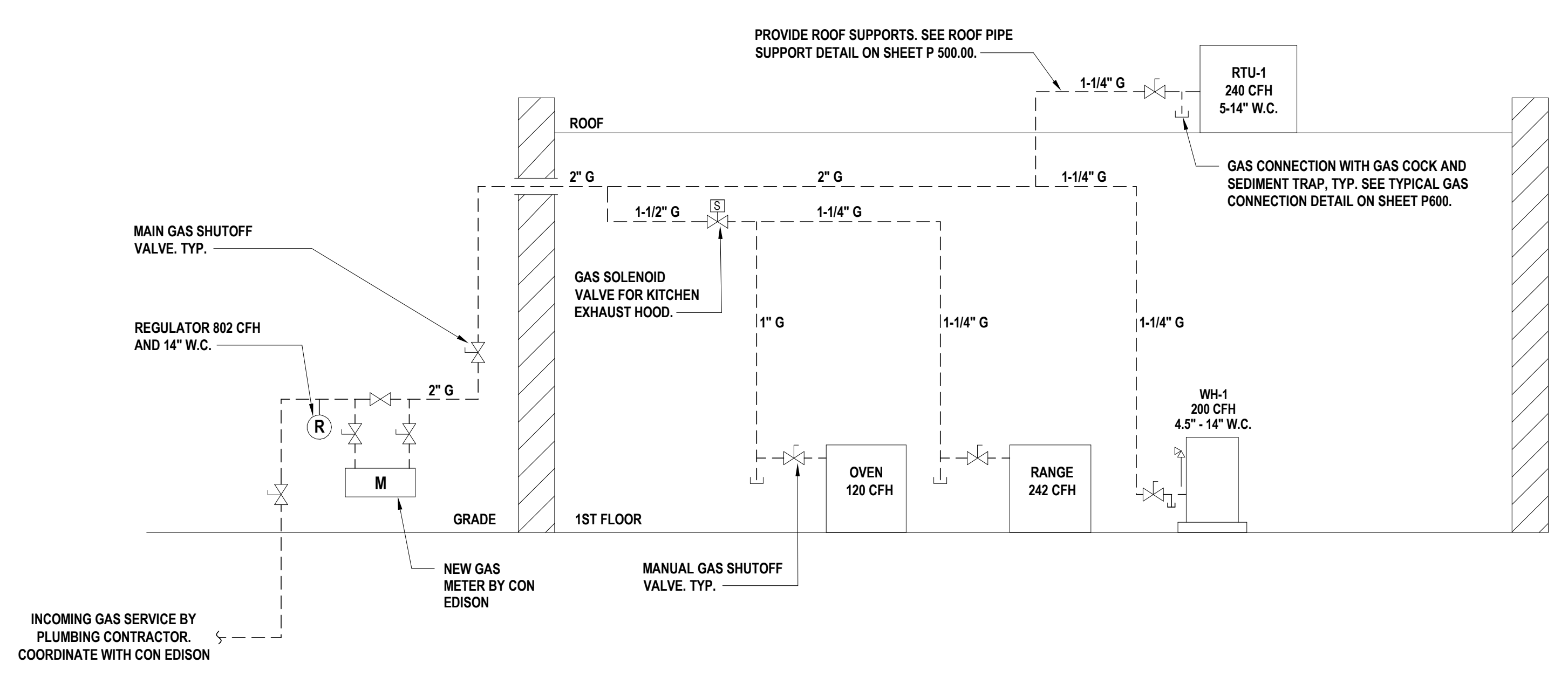
2995 Purchase Street
 Purchase, New York 10577
 SED No.: 66-05-01-06-0-001-027

CONTRACT P PLUMBING CONSTRUCTION

FINAL BID DOCUMENT

PLUMBING STORM AND GAS RISER DIAGRAMS

P 601.00



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CONSULTANTS:

MARK 1 DATE 12/13/2024 DESCRIPTION SED ADDENDUM 1



BRIAN M. CASTELLI, P.E.
PROFESSIONAL ENGINEER, STATE OF NEW YORK

DESIGNED BY: RVS DRAWN BY: RVS CHECKED BY: BMC REVIEWED BY:
PROJECT No: HCSD2401H DATE: JANUARY 2025 SCALE: AS SHOWN

CLIENT
Harrison Central School District

Building Addition at the Purchase Elementary School



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Purchase, New York 10577

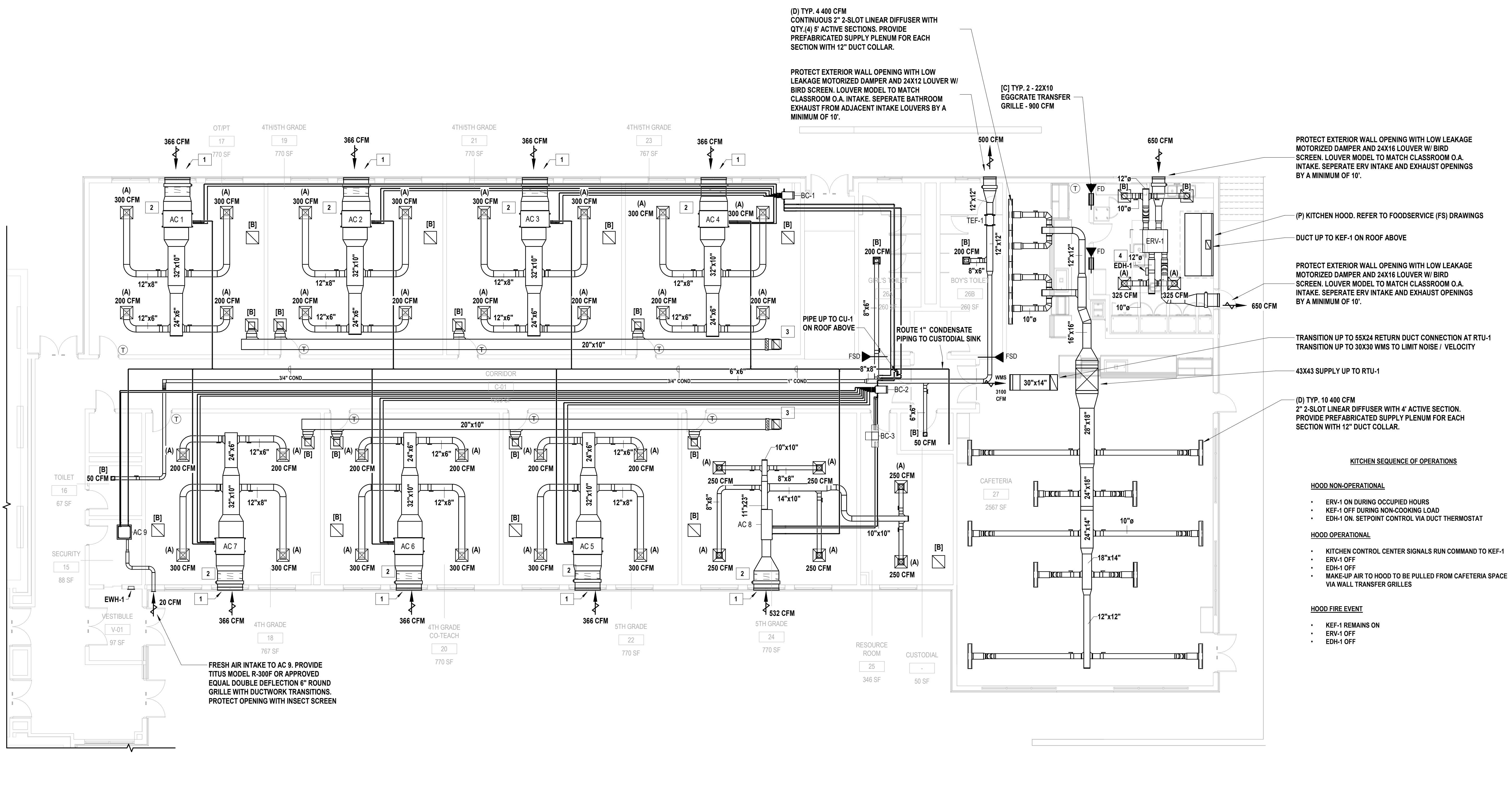
SED No.: 66-05-01-06-0-001-027

CONTRACT
CONTRACT H

STATUS
FINAL BID DOCUMENT

SHEET TITLE
MECHANICAL FIRST FLOOR CONSTRUCTION PLAN

DRAWING No.
M 110.00



1 Mechanical First Floor Construction Plan
SCALE: 1/8" = 1'-0"

MECHANICAL CONSTRUCTION NOTES:

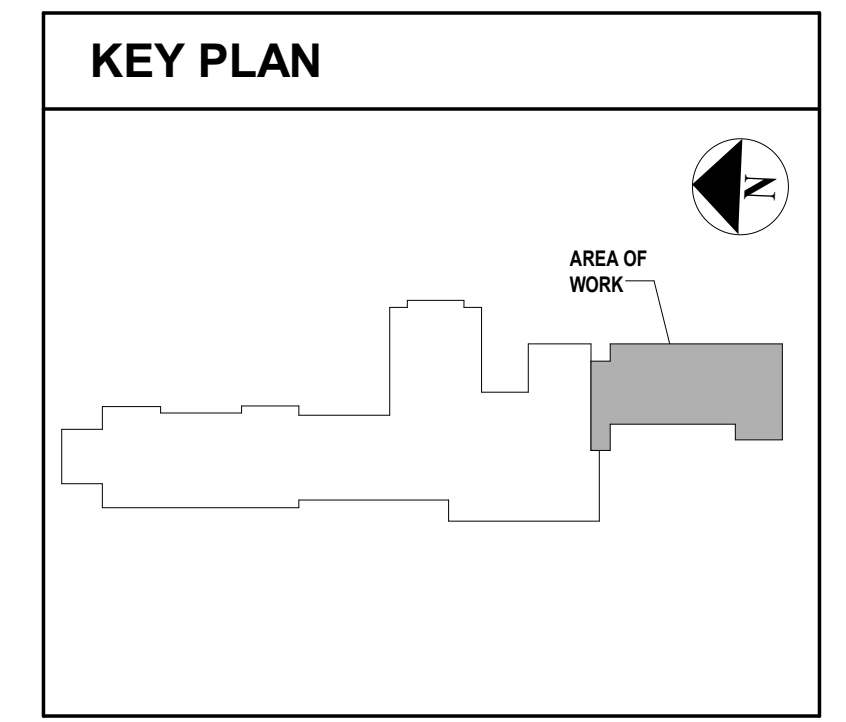
- 1. DO NOT SCALE DRAWINGS. LINE WORK IS SCHEMATIC. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS BASED ON DESIGN INTENT AND COORDINATION WITH OTHER TRADES.
- 2. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS' REQUIRED MAINTENANCE CLEARANCES AND PREVAILING CODE.
- 3. CONTRACTOR TO COORDINATE THE PLACEMENT OF ALL TEMPERATURE SENSORS WITH THE DISTRICT.
- 4. INSTALL ALL REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURERS' SIZING AND RECOMMENDATIONS.
- 5. PROVIDE NEW OAI LOUVERS WITH BIRDSCREEN FOR FAN COIL HEAT PUMP UNITS. CONTRACTOR TO ENSURE LOUVER INSTALLATION IS LEAK FREE.
- 6. PROVIDE VOLUME DAMPERS AS SHOWN IN DETAILS TO BALANCE FLOW FOR ALL SUPPLY DIFFUSERS.
- 7. PROVIDE INSULATION ON ALL CONCEALED DUCTWORK AND PIPING. REFER TO SPECS FOR SCHEDULE.
- 8. ALL UNITS SHALL BE INTERFACED WITH THE EXISTING BMS.
- 9. EXHAUST DUCTWORK ATTACHED TO KITCHEN HOOD SHALL BE COMPLIANT WITH NFPA 96 STANDARD AND NYS MECHANICAL CODE 2020 SECTION 506.
- 10. CONTRACTOR TO COORDINATE DUCT SIZE THROUGH STRUCTURAL TRUSSES WITH TRUSS MANUFACTURERS' ALLOWED CLEARANCES.

KEYED NOTES:

- 1 PROVIDE 48"x10" HORIZONTAL OAI LOUVER AND LOW LEAKAGE MOTORIZED DAMPER TO PROTECT EXTERIOR OPENING.
- 2 OUTSIDE INTAKE DUCT STACKED ABOVE RETURN AIR DUCT. DUCT SIZES TO MATCH UNIT VENTILATOR DUCT COLLAR. SEE MANUFACTURERS INSTALLATION INSTRUCTIONS.
- 3 FURNISH AND INSTALL RELIEF AIR DUCT TO GRAVITY VENTILATOR ON ROOF ABOVE. PROVIDE GLASS LEAKAGE MOTORIZED SHUTOFF DAMPER TO PROTECT OPENING.
- 4 ELECTRIC DUCT HEATER DISCHARGE AIR TEMPERATURE SENSOR AND THERMOSTAT TO SEND 0-10V CONTROL SIGNAL TO HEATER'S MODULATING SCR STAGE FOR PRECISE SETPOINT CONTROL. ELECTRONIC AIRFLOW SWITCH TO PROVE AIRFLOW BEFORE OPERATION.
- 5 FIRE AND FIRE SMOKE DAMPERS TO BE 1.5 HOUR RATED

GENERAL SCOPE OF WORK:

- 1. CLASSROOMS TO BE SERVED VIA 3 TON DAIKIN CEILING CONCEALED HEAT PUMP FAN COIL SYSTEMS. CONDENSING UNIT TO BE INSTALLED ON GRADE EXTERIOR TO CLASSROOMS.
- 2. VENTILATION AIR TO BE PROVIDED VIA EXTERIOR WALL LOUVERS DUCTED TO FAN COILS.
- 3. EXISTING EXHAUST HOOD TO BE RELOCATED INTO NEW ADDITION KITCHEN.
- 4. DUCTWORK CONNECTED TO KITCHEN HOOD TO BE CODE COMPLIANT BLACK IRON WITH CLEAN OUT DOORS AND INSULATION.
- 5. ENERGY RECOVERY VENTILATOR TO PROVIDE GENERAL KITCHEN EXHAUST AND VENTILATION AIR. SUPPLEMENTAL HEAT TO BE PROVIDED VIA SHW ELECTRIC DUCT HEATER DOWNSTREAM ERV. DURING HOOD OPERATION, ADDITIONAL MAKEUP AIR WILL BE PROVIDED VIA TRANSFER GRILLES BETWEEN THE KITCHEN AND CAFETERIA.
- 6. KITCHEN GENERAL EXHAUST PER NYS MC 2020 403.3.1.1: 0.7 CFM/SQ.FT. 644 CFM REQUIRED. ERV SIZED FOR 650 CFM.
- 7. 16-TON ROOFTOP UNIT TO SERVE CAFETERIA SPACE.



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CONSULTANTS:

MARK	DATE	DESCRIPTION
1	12/13/2024	SED ADDENDUM 1

1/23/25 ISSUED FOR BID
8/16/24 SED SUBMISSION



BRIAN M. CASTELLI, P.E.
04/30/2008
Exp. Date

DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED BY
RVS	RVS	BMC	
PROJECT No.	DATE	SCALE	
HCS2401H	JANUARY 2025	AS SHOWN	

Harrison Central School District

Building Addition at the Purchase Elementary School



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Purchase, New York 10577

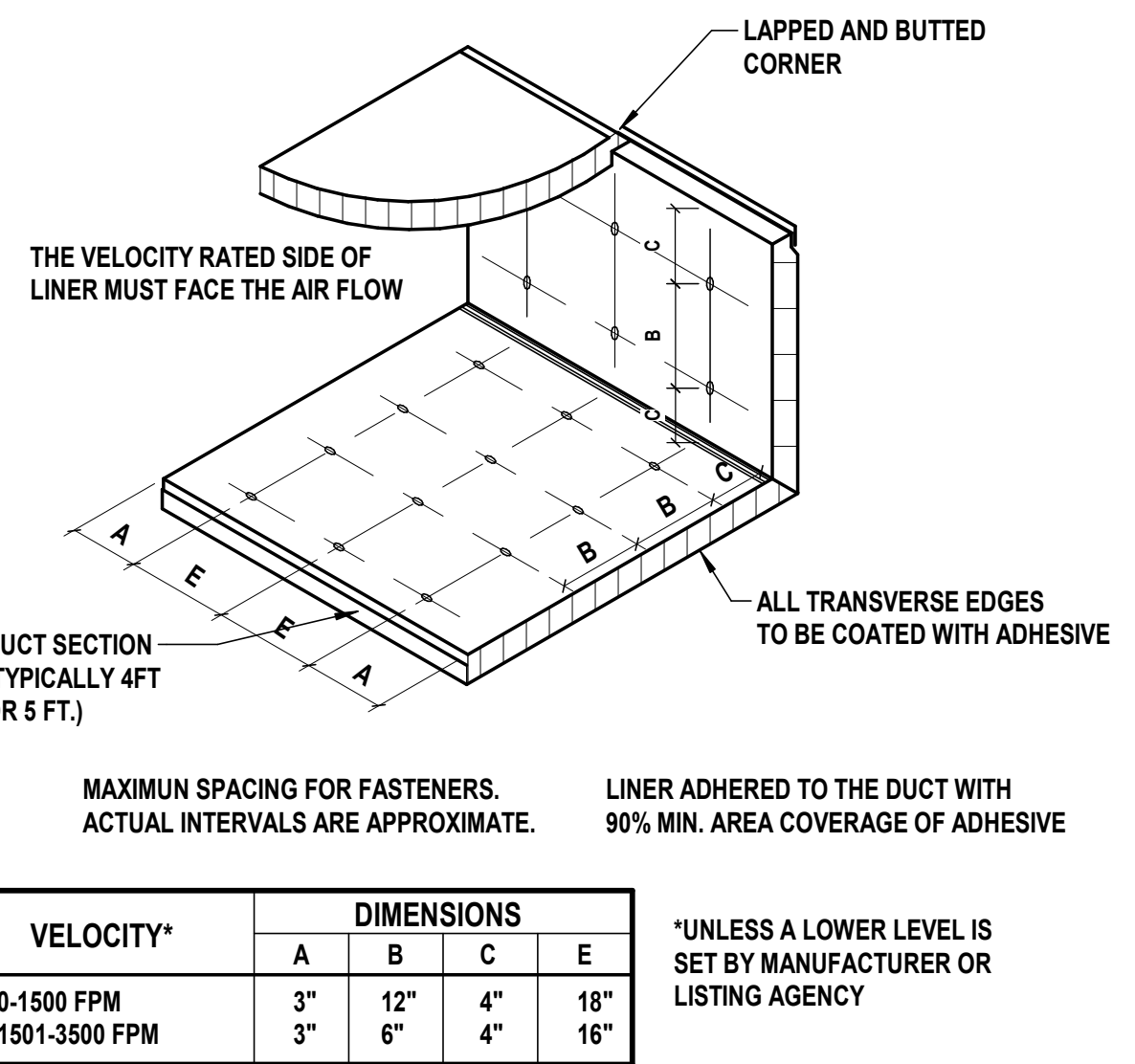
SED No.: 66-05-01-06-0-001-027

CONTRACT H

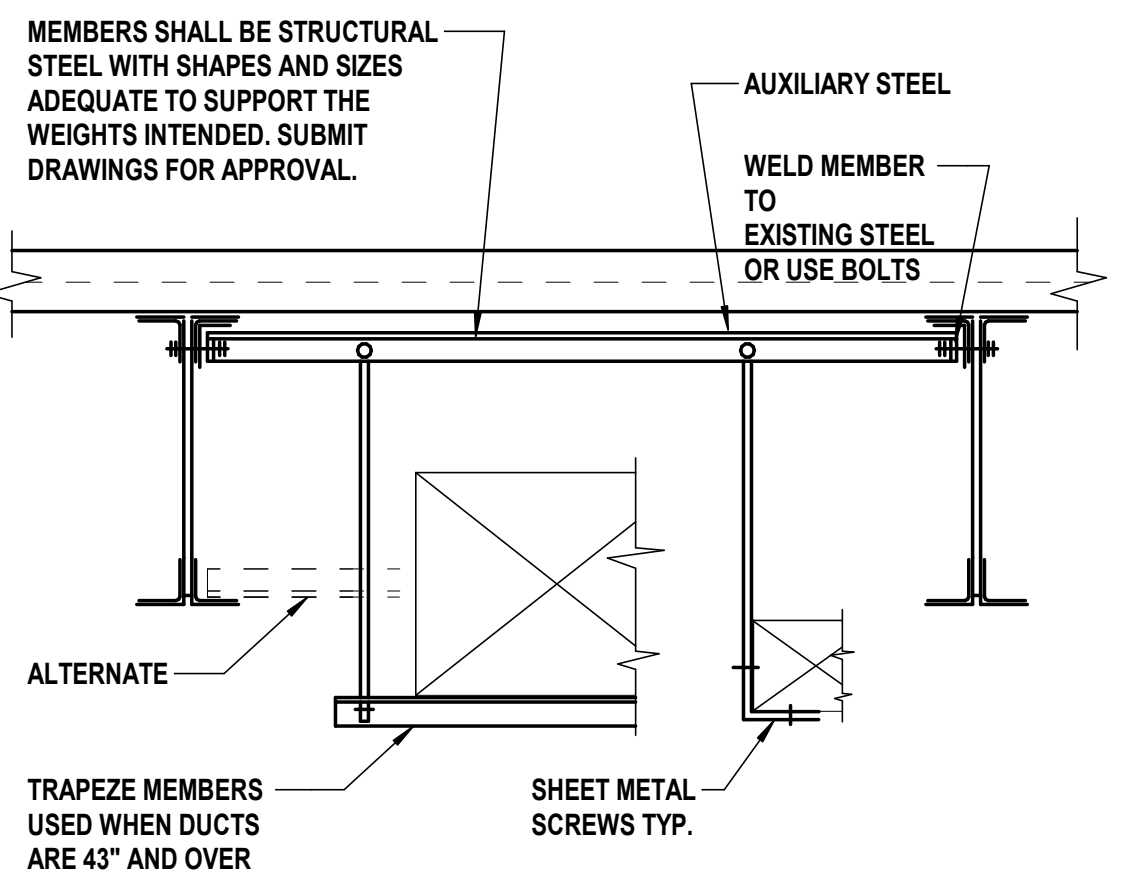
FINAL BID DOCUMENT

MECHANICAL DETAILS

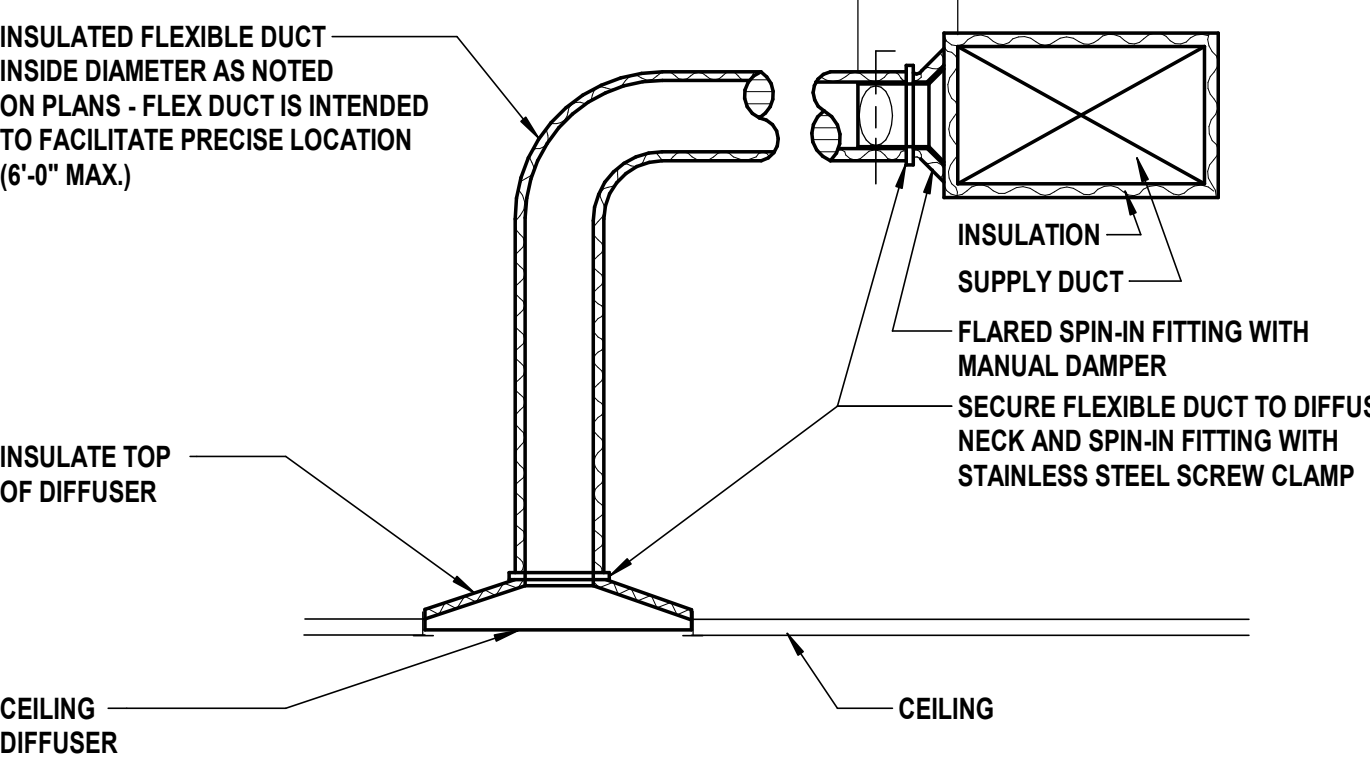
DRAWING No. M 510.00



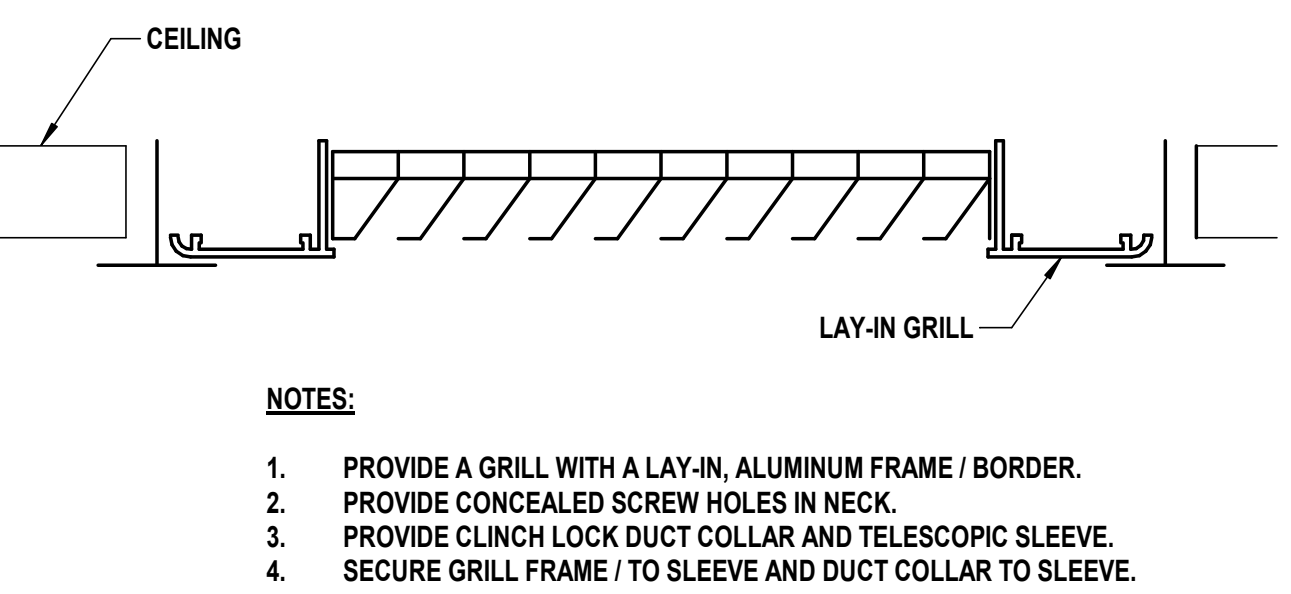
1 Acoustical Liner Fastening Detail
SCALE: 1/2" = 1'-0"



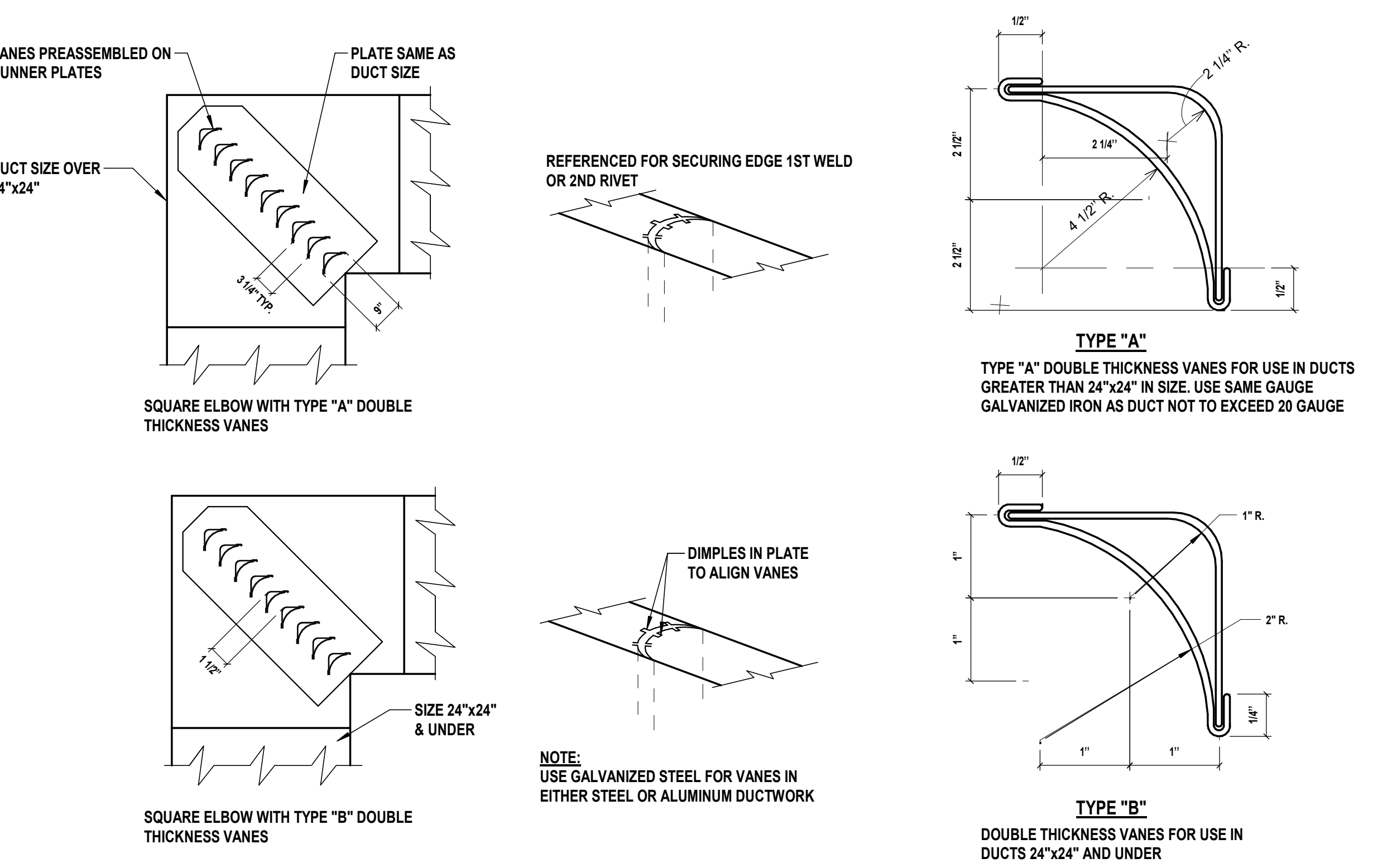
2 Duct Support Detail
SCALE: 1/2" = 1'-0"



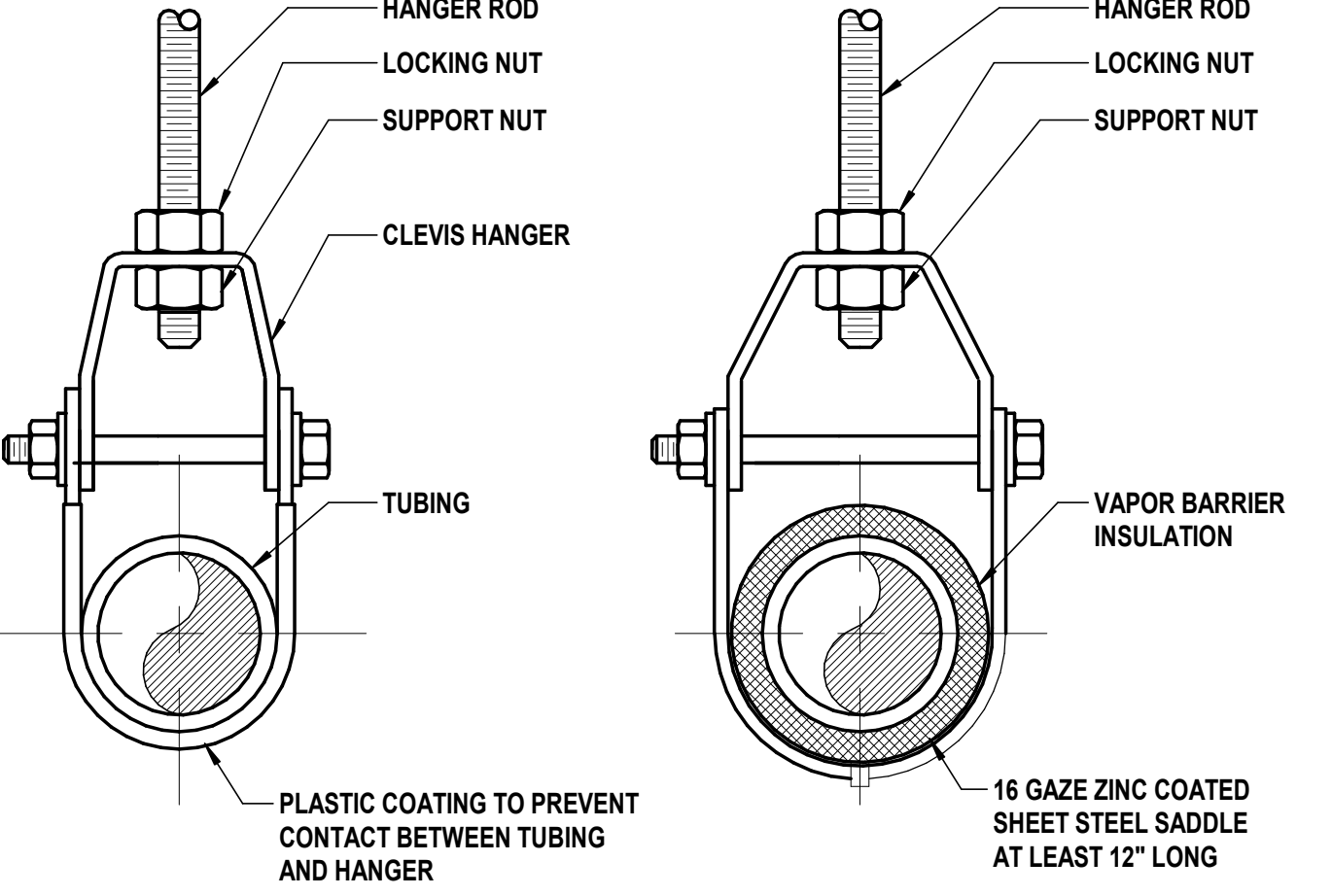
3 Diffuser Connection Ceiling
SCALE: 1/2" = 1'-0"



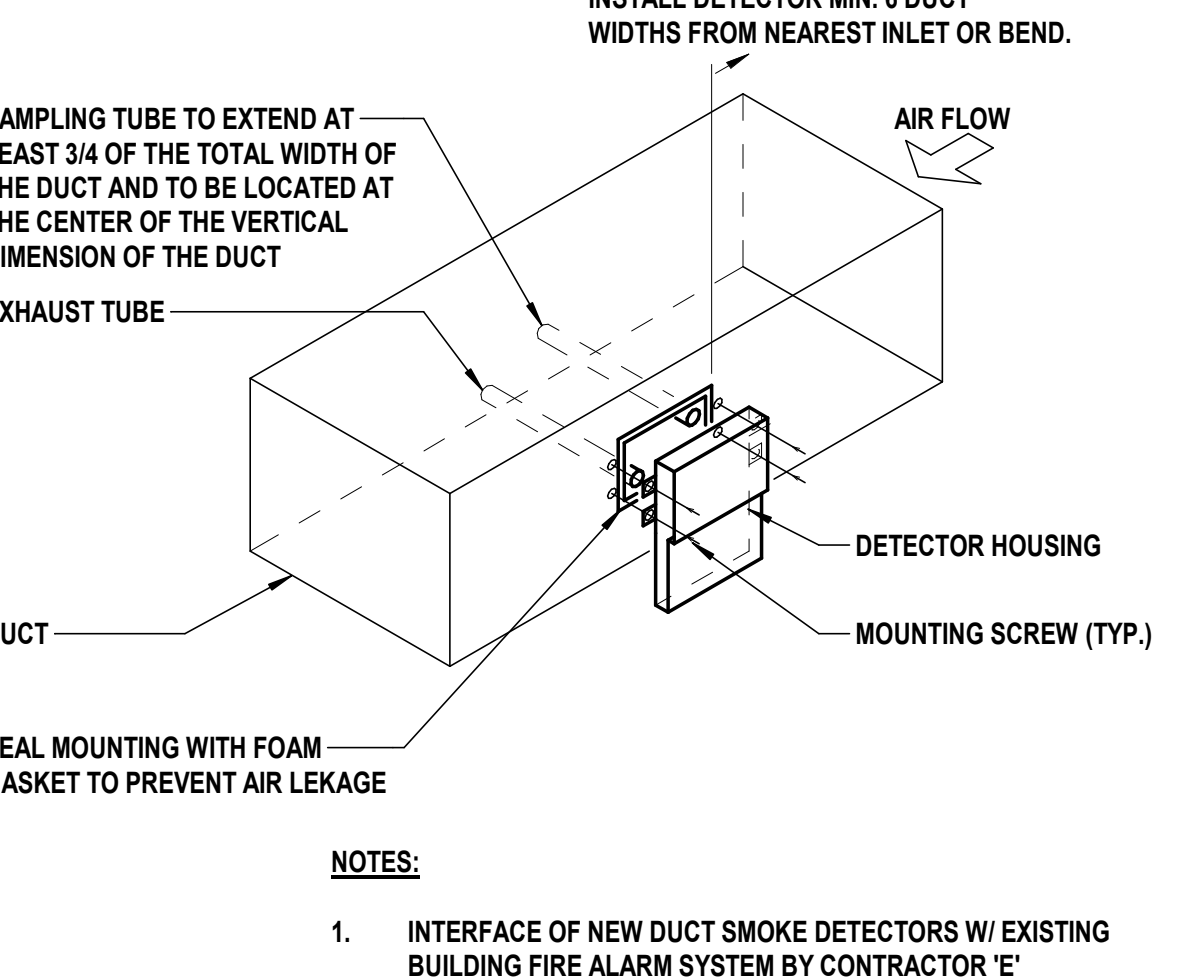
4 Ceiling Plenum Transfer Grill Detail
SCALE: 1/2" = 1'-0"



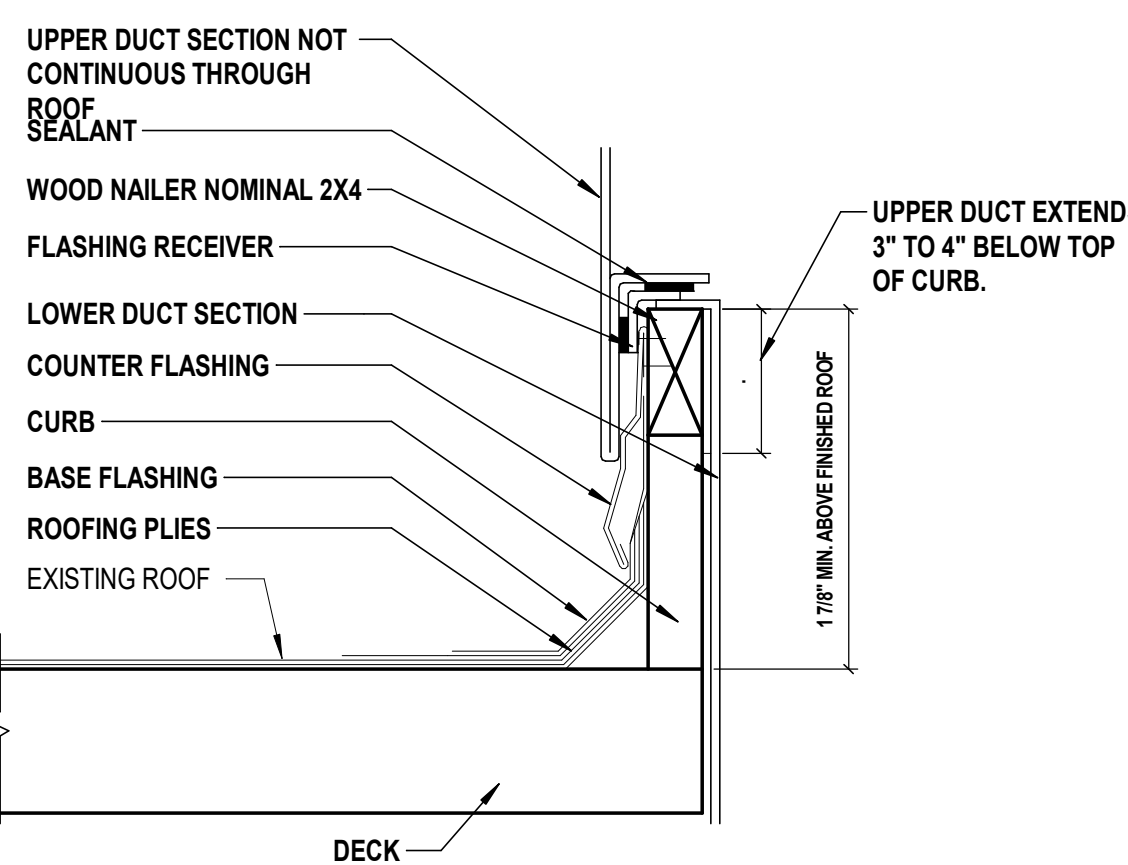
5 Turning Vanes Detail
SCALE: 1/2" = 1'-0"



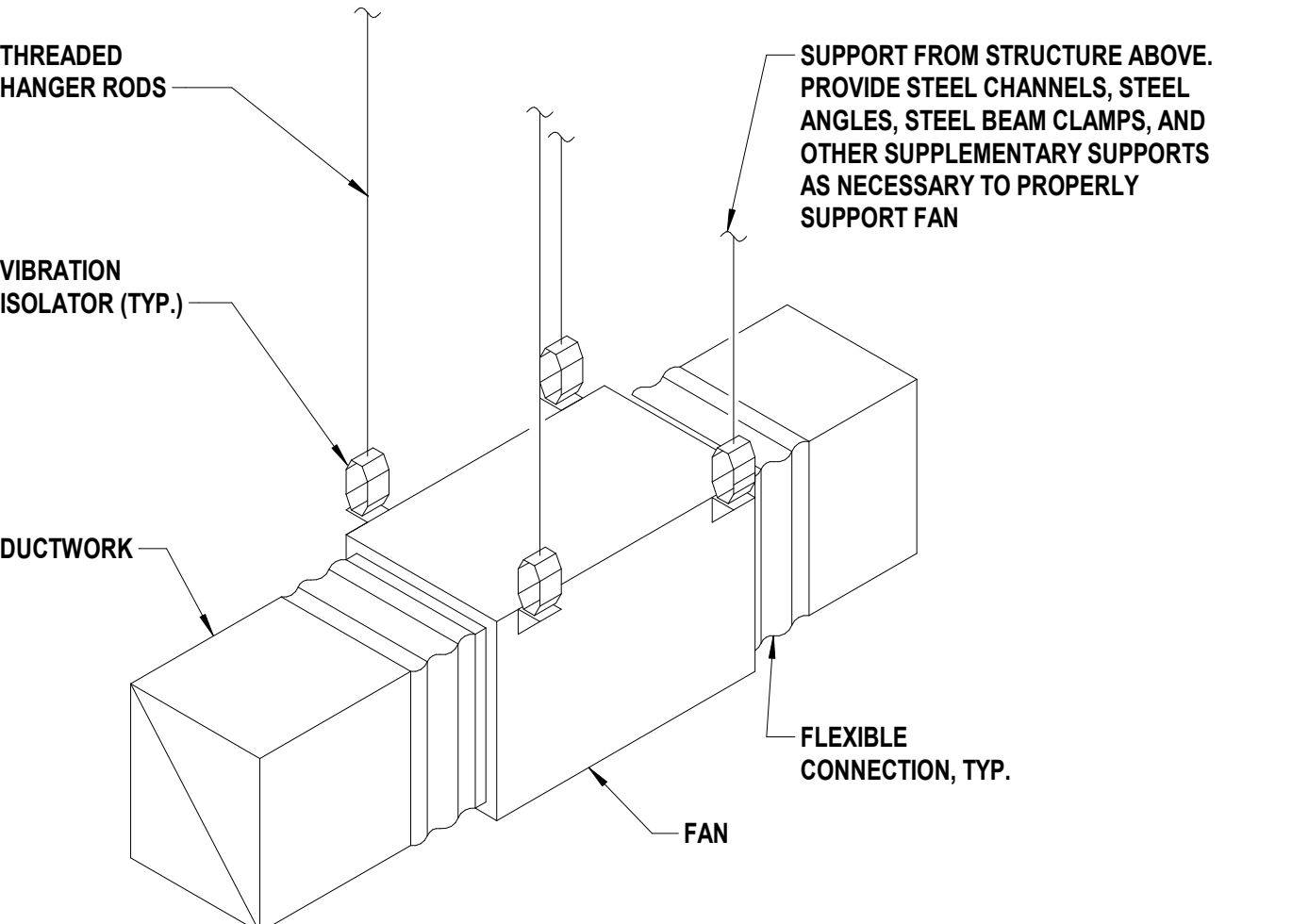
6 Copper Tubing Hanger Details
SCALE: 1/2" = 1'-0"



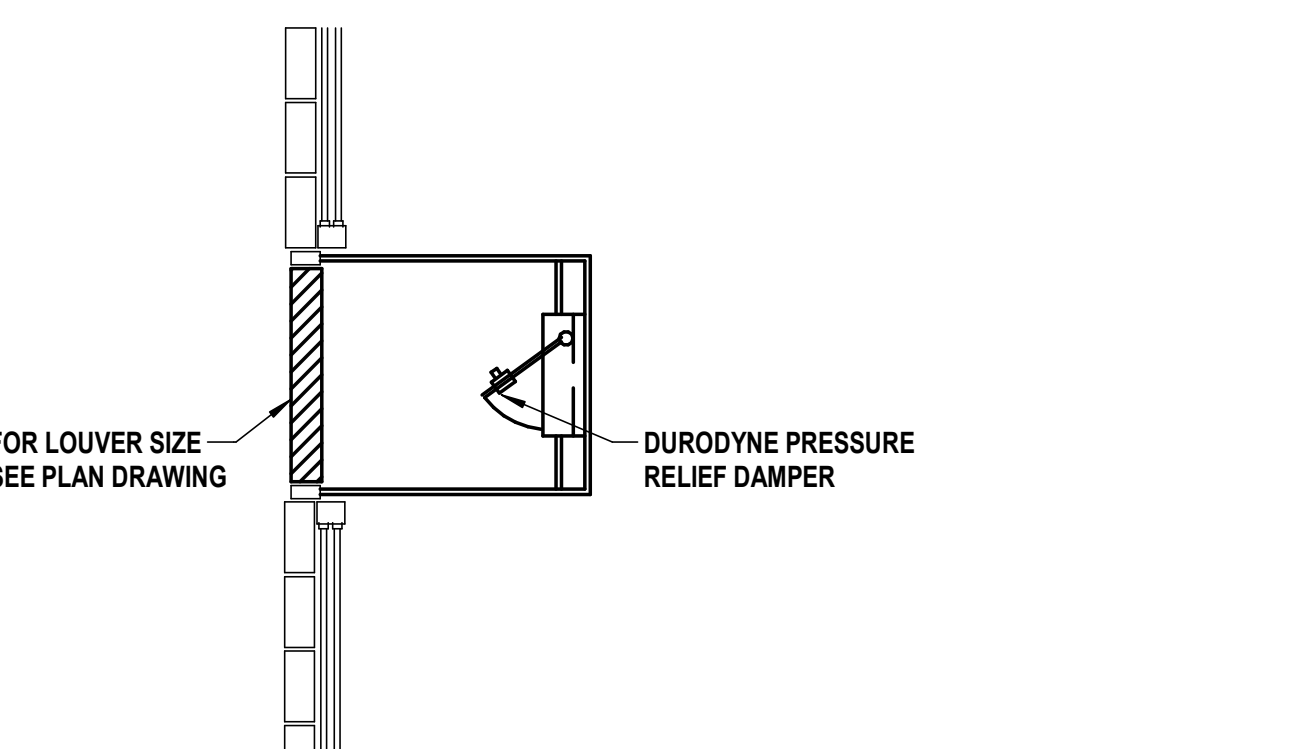
7 Duct Mounting Smoke Detector Detail
SCALE: 1/2" = 1'-0"



8 Ductwork Roof Penetration Detail
SCALE: 1/2" = 1'-0"



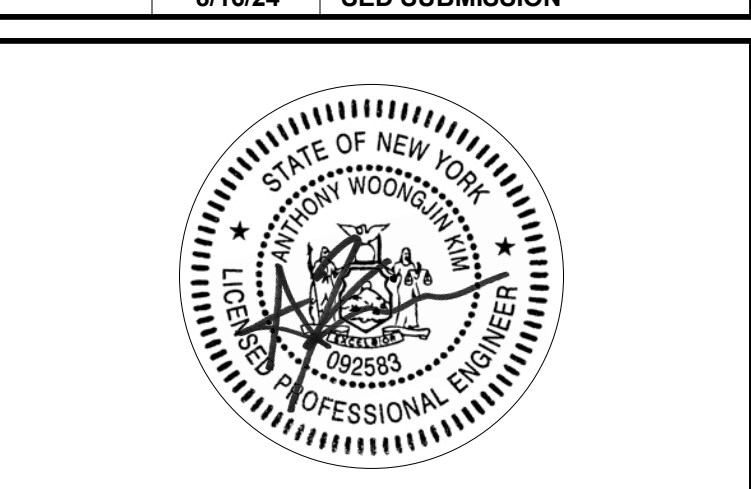
9 Inline Fan Hanging
SCALE: 1" = 1'-0"



10 Barometric Relief Damper
SCALE: 1/2" = 1'-0"

CONSULTANTS:

MARK	DATE	DESCRIPTION



ANTHONY WOONGJIN KIM, P.E. Exp. Date:

DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED BY
CMP/IMP	CMP	AWK	

PROJECT No.: HCS2401H DATE: JANUARY 2025 SCALE: AS SHOWN

CLIENT: **Harrison Central School District**

Building Addition at the Purchase Elementary School



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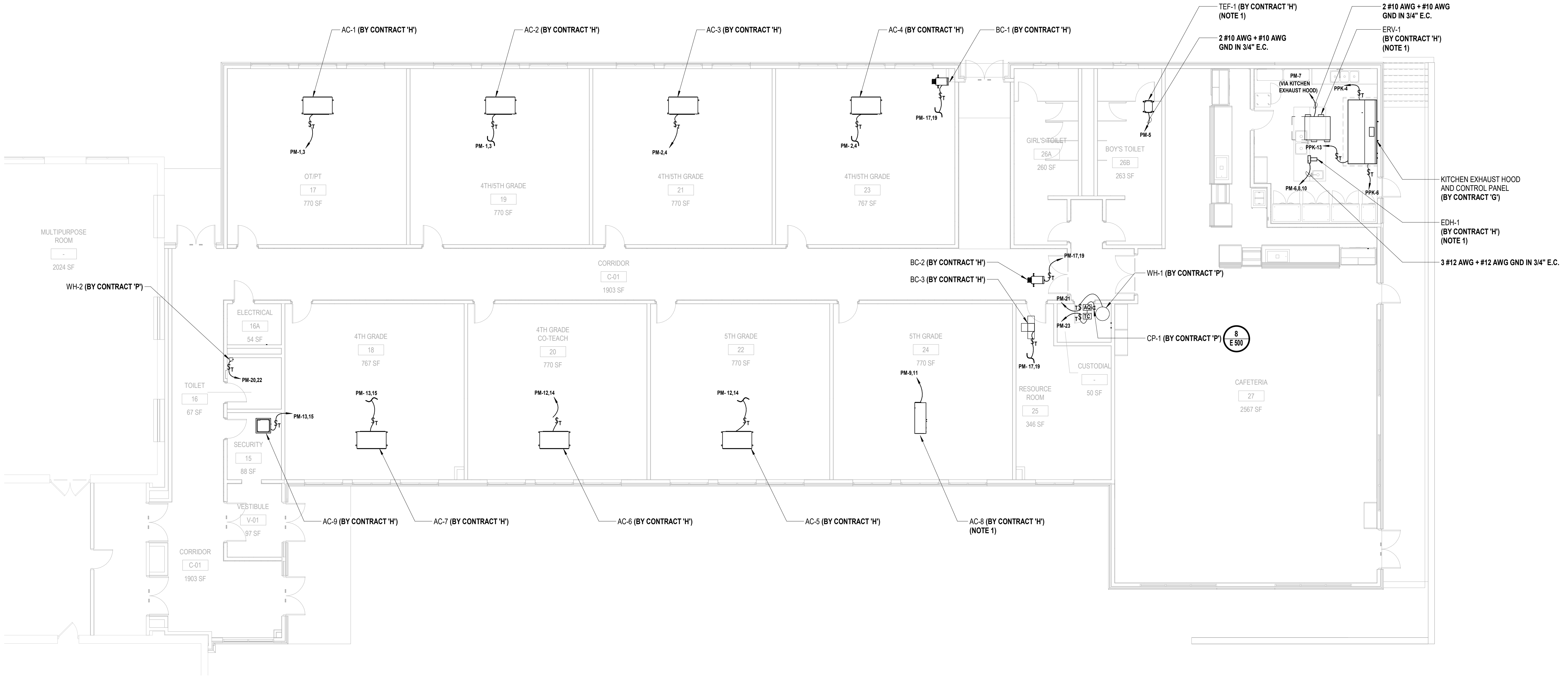
SED No.: 66-05-01-06-0-001-027

CONTRACT
**CONTRACT E
ELECTRICAL CONSTRUCTION**

STATUS
FINAL BID DOCUMENT

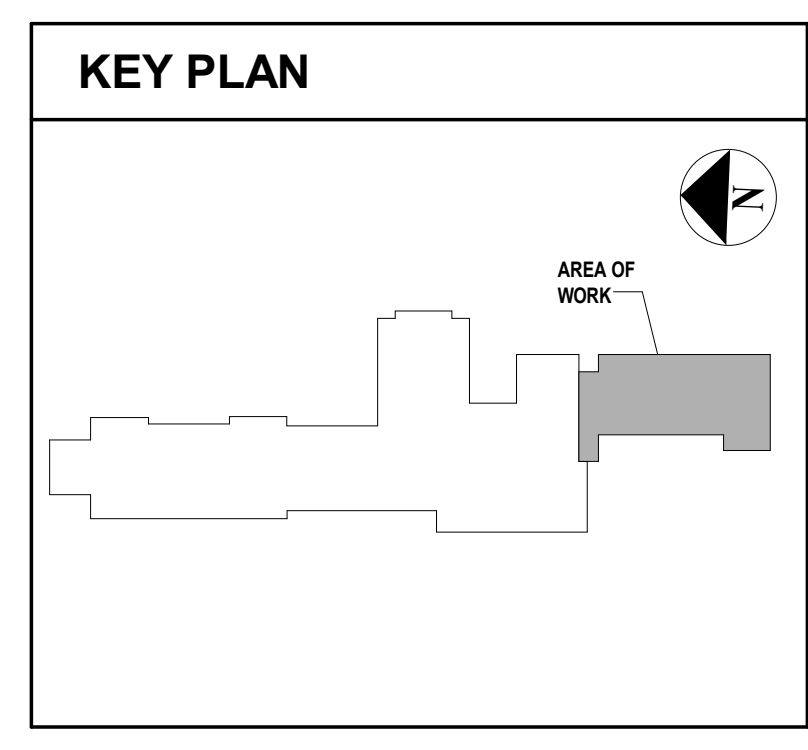
SHEET TITLE
FIRST FLOOR HVAC POWER PLAN

DRAWING No.: **E 111.00**



1 First Floor HVAC Power Plan
SCALE: 1/8" = 1'-0"

- ELECTRICAL KEY NOTES:**
1. MANUFACTURER PROVIDED DISCONNECT SWITCH.



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CONSULTANTS:

MARK	DATE	DESCRIPTION

1/23/25 ISSUED FOR BID
2/16/24 SED SUBMISSION



ANTHONY WOONGJIN KIM, P.E. Exp. Date

DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED BY
CMP/ISMP	CMP	AWK	
PROJECT No.:	DATE:	SCALE:	
HCS2401H	JANUARY 2025	AS SHOWN	

Harrison Central School District

Building Addition at the Purchase Elementary School



2995 Purchase Street
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SED No.: 66-05-01-06-0-001-027

CONTRACT
**CONTRACT E
ELECTRICAL CONSTRUCTION**

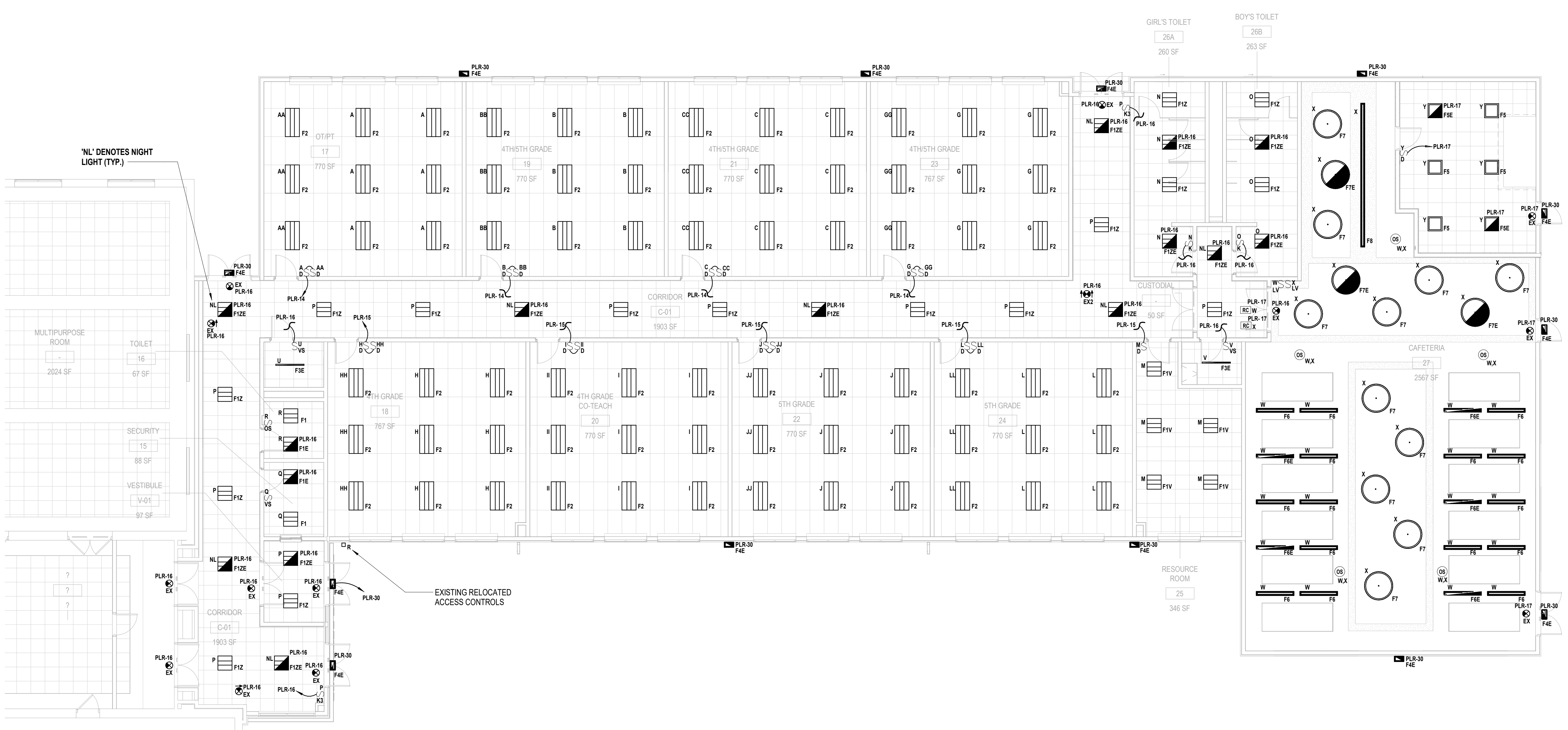
STATUS
FINAL BID DOCUMENT

SHEET TITLE
FIRST FLOOR ELECTRICAL LIGHTING PLAN

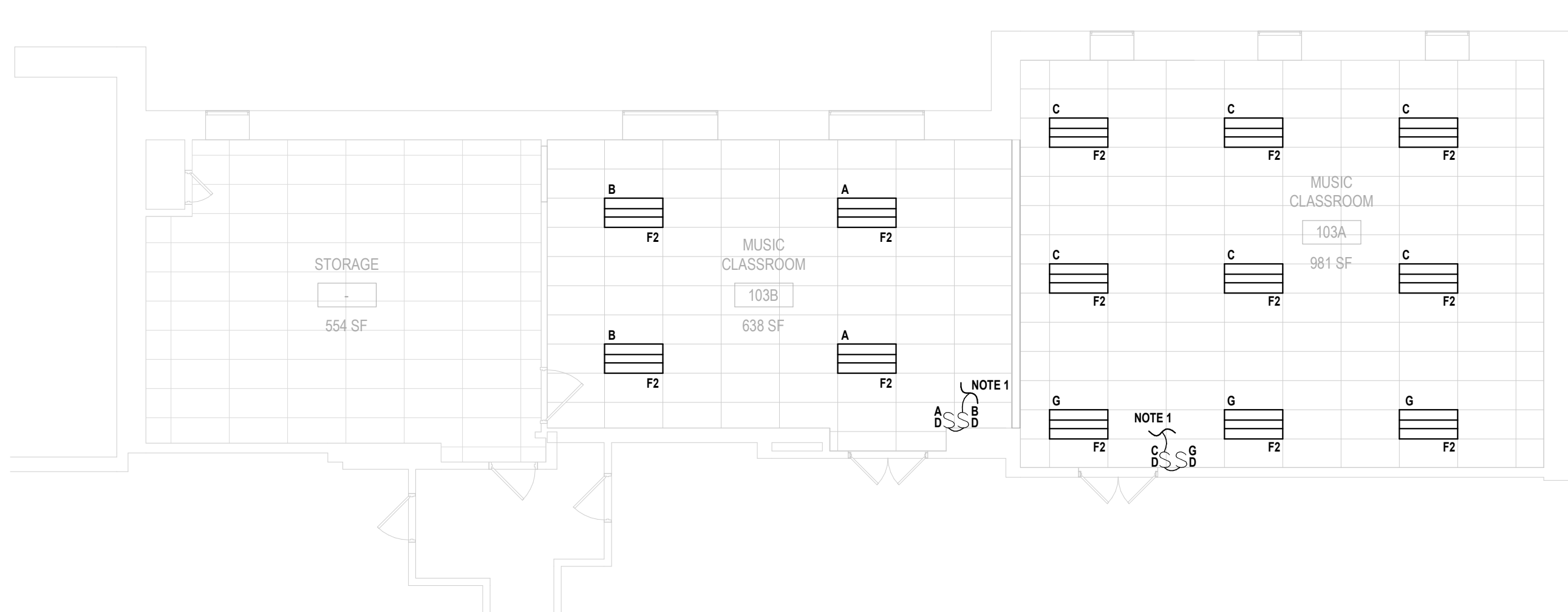
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E 121.00

- LIGHTING GENERAL NOTES:**
1. PROVIDE ALL REQUIRED WIRING NECESSARY BETWEEN SWITCHES, CONTROLLERS AND/OR OCCUPANCY SENSORS FOR COMPLETE LIGHTING CONTROL. WHERE 3 WAY SWITCHES ARE USED, PROVIDE ALL REQUIRED WIRING BETWEEN SWITCHES. WIRE SIZE SHALL EQUAL POWER FEED SIZE.
 2. CONTRACTORS SHALL LOCATE AND INSTALL ALL LIGHT FIXTURES IN MECHANICAL ROOMS TO PROVIDE CLEARANCE FROM ALL MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLING FIXTURES, SWITCHES, CONDUIT, AND WIRING.
 3. FIXTURES INDICATED WITH CIRCUIT DESIGNATIONS SHALL BE CONNECTED TO LINE SIDE OF CIRCUIT.
 4. FIXTURES INDICATED WITH LETTER DESIGNATIONS SHALL BE CONNECTED TO THE SWITCH, OCCUPANCY SENSOR AND/OR POWER PACK WITH CORRESPONDING LETTER DESIGNATION.
 5. PROVIDE AND INSTALL A DEDICATED NEUTRAL FOR EACH CIRCUIT. CONTRACTOR IS NOT PERMITTED TO USE COMMON NEUTRALS.
 6. PROVIDE BOX AND ACCESSORIES AS PER MANUFACTURER'S RECOMMENDATION FOR ALL SWITCHES, OCCUPANCY SENSORS, AND/OR POWER PACKS.
 7. ALL CEILING MOUNTED FIXTURES WITH EMERGENCY DRIVERS AND ALL FIXTURES THAT ARE PART OF AN EMERGENCY LIGHTING SYSTEM, SHALL BE LABELED. THESE LABELS SHALL BE EASILY READ FROM THE FLOOR LEVEL AND STATE THAT THE FIXTURE IS AN EMERGENCY FIXTURE AND CONTAIN THE PANEL NAME AND CIRCUIT NUMBER THAT IT IS FED FROM.
 8. WIRING FOR EMERGENCY DRIVER IS NOT SHOWN ON PLANS. FIXTURES WITH EMERGENCY DRIVERS SHALL BE PROVIDED WITH AN UNSWITCHED POWER FEED FROM CIRCUIT FEEDING LIGHT POLE FIXTURE.
 9. CONTRACTOR SHALL USE SILICONE WATER PROOF SEALANT TO SEAL TOP, LEFT, AND RIGHT EDGES OF LIGHT FIXTURES TO WALL TO PREVENT MOISTURE FROM ACCUMULATING BEHIND FIXTURE. BOTTOM EDGE SHALL BE LEFT UNSEALED FOR DRAINAGE. COLOR OF SILICONE SHALL MATCH EITHER WALL COLOR OR FIXTURE COLOR. (TYP. OF ALL WALL MOUNTED EXTERIOR FIXTURES).

- LIGHTING KEY NOTES:**
1. CONTRACTOR SHALL PROVIDE AND EXTEND WIRE AND CONDUIT FROM THE EXISTING LIGHTING CIRCUIT SERVING THIS ROOM TO TERMINATE AT NEW LIGHT FIXTURE AND SWITCH. WIRE AND CONDUIT SHALL BE 2 #12 AWG + #12 AWG GND IN 3/4" E.C.



1 First Floor Electrical Lighting Plan
SCALE: 1/8" = 1'-0"



2 Partial First Floor Electrical Lighting Plan
SCALE: 1/8" = 1'-0"

