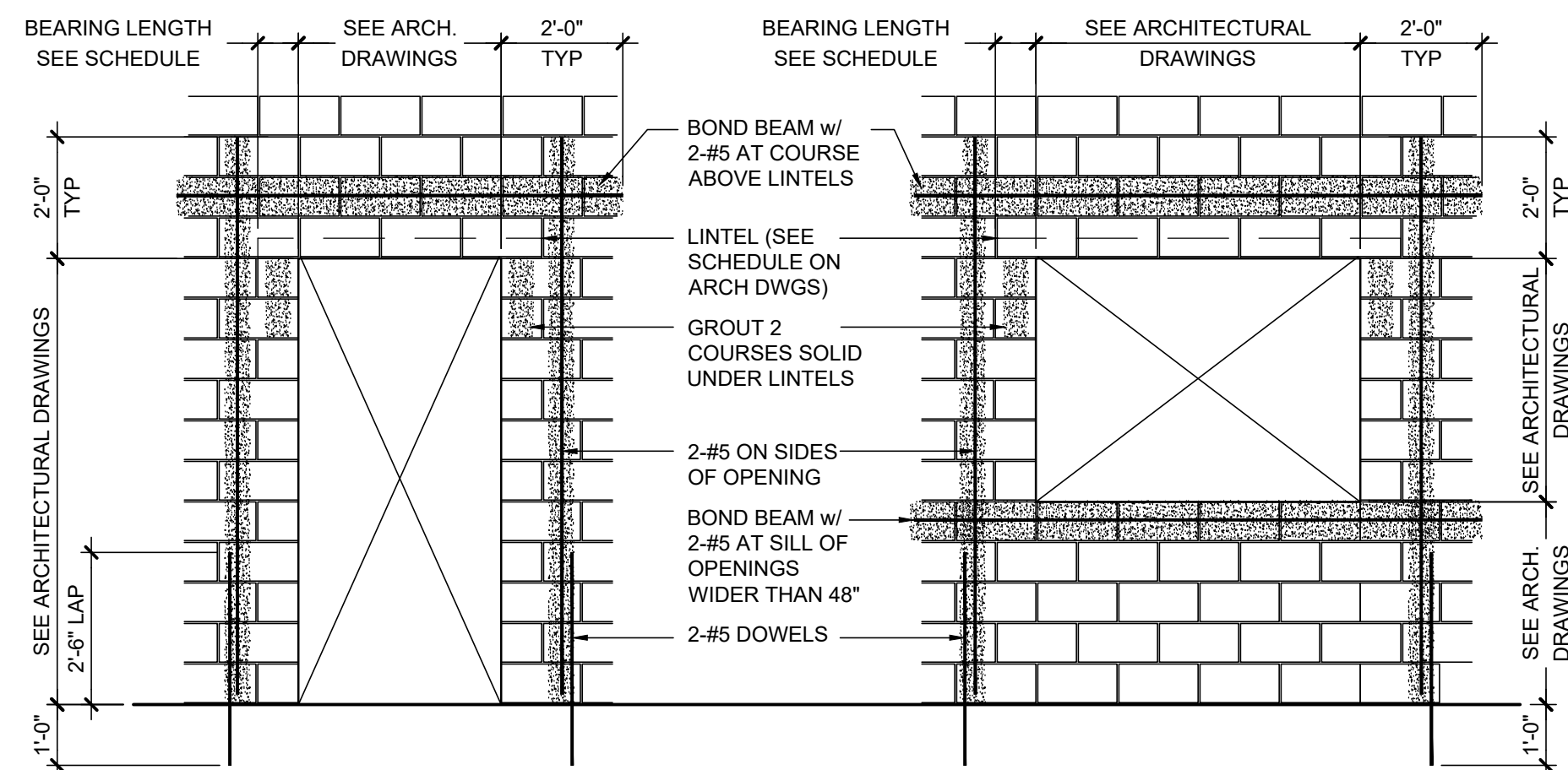


WALL TYPES

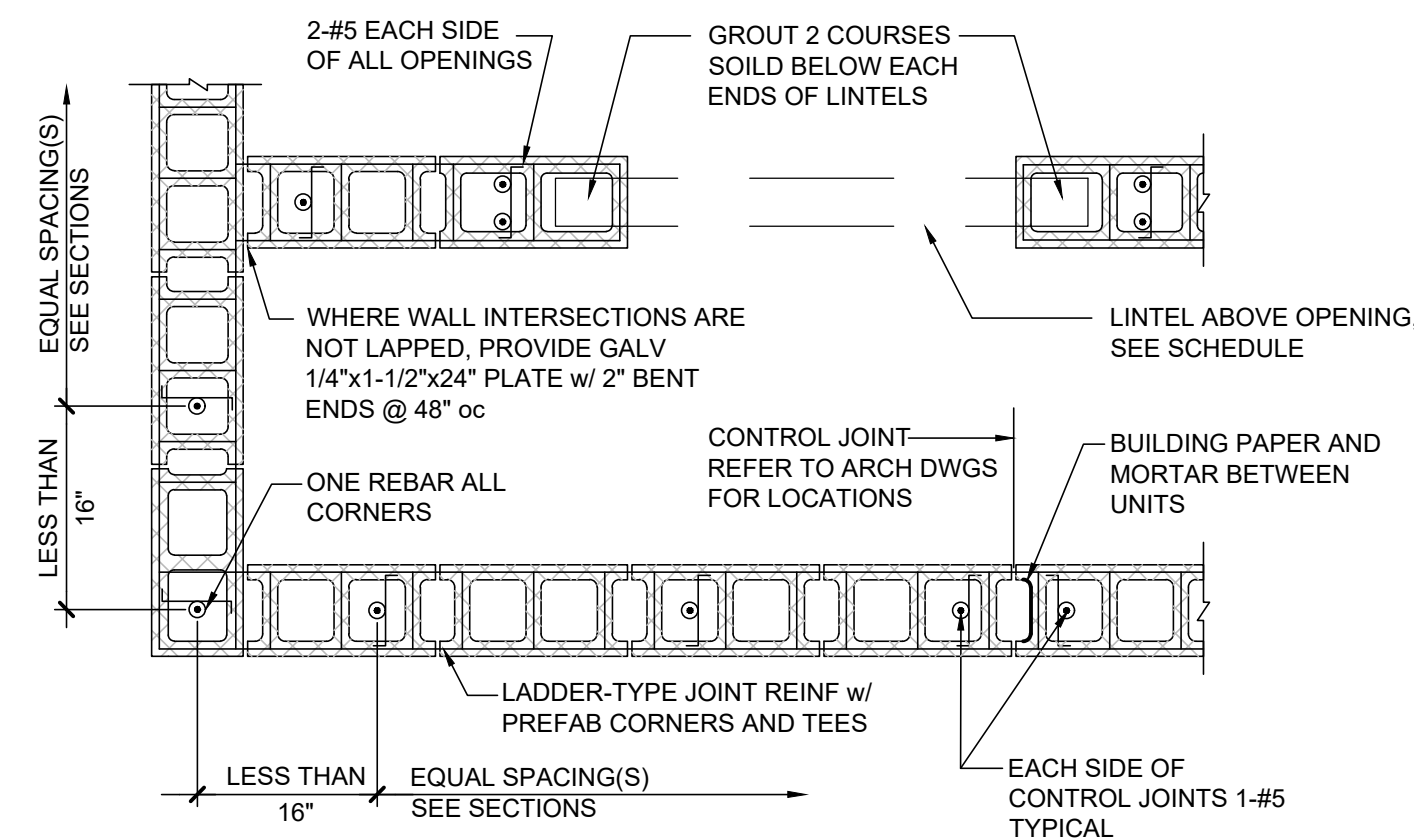
TYPE 1	7/8" C.M.U. PARTITION	FIRE RATING	DESIGN NO.	DESIGN STC	TYPE 2	4" PARTITION	FIRE RATING	DESIGN NO.	DESIGN STC	TYPE 3	4 1/2" PARTITION	FIRE RATING	DESIGN NO.	DESIGN STC	TYPE 4	1 1/2" PARTITION	FIRE RATING	DESIGN NO.	DESIGN STC
	8" LIGHT WEIGHT BLOCK PARTITION.	-	-	-		PARTITION WITH 3 3/8" METAL STUD AND 1/2" DRYWALL EACH SIDE w/ 3/4" SOUND ATTENUATION INSULATION DRYWALL FROM FINISHED FLOOR TO DECK.	-	-	-		PARTITION W/ NO INSULATION. RUN GYPSUM BOARD FROM FINISHED FLOOR 6" ABOVE CEILING.	-	-	-		1/2" METAL CHANNEL AND 5/8" DRYWALL. DRYWALL TO EXTEND FROM FINISHED FLOOR TO DECK.	-	-	-
	8" LIGHT WEIGHT BLOCK PARTITION.	2 HOUR	U.L. U905.	-		PARTITION WITH 3 3/8" METAL STUD AND 1/2" DRYWALL EACH SIDE WITH NO INSULATION. DRYWALL FROM FINISHED FLOOR TO DECK.	-	-	-		PARTITION W/ INSULATION. RUN GYPSUM BOARD FROM FINISHED FLOOR TO DECK ABOVE.	-	-	-					
	8" LIGHT WEIGHT BLOCK PARTITION.	1 HOUR	U.L. U905.	-		PARTITION WITH 3 3/8" METAL STUD AND 1/2" DRYWALL EACH SIDE WITH INSULATION. RUN DRYWALL FROM FINISHED FLOOR TO DECK.	1 HOUR	U.L. U465.											
	4" LIGHT WEIGHT BLOCK AROUND COLUMN.	-	-	-															
	12" LIGHT WEIGHT BLOCK PARTITION.	2 HOUR	U.L. U905.	-															

NOTE: ALL GYPSUM WALLBOARD SHALL BE IMPACT RESISTANT TYPE GYPSUM WALLBOARD.



TYPICAL MASONRY WALL OPENING DETAIL

NOT TO SCALE (32)



TYPICAL MASONRY WALL REINFG. SCHEMATIC

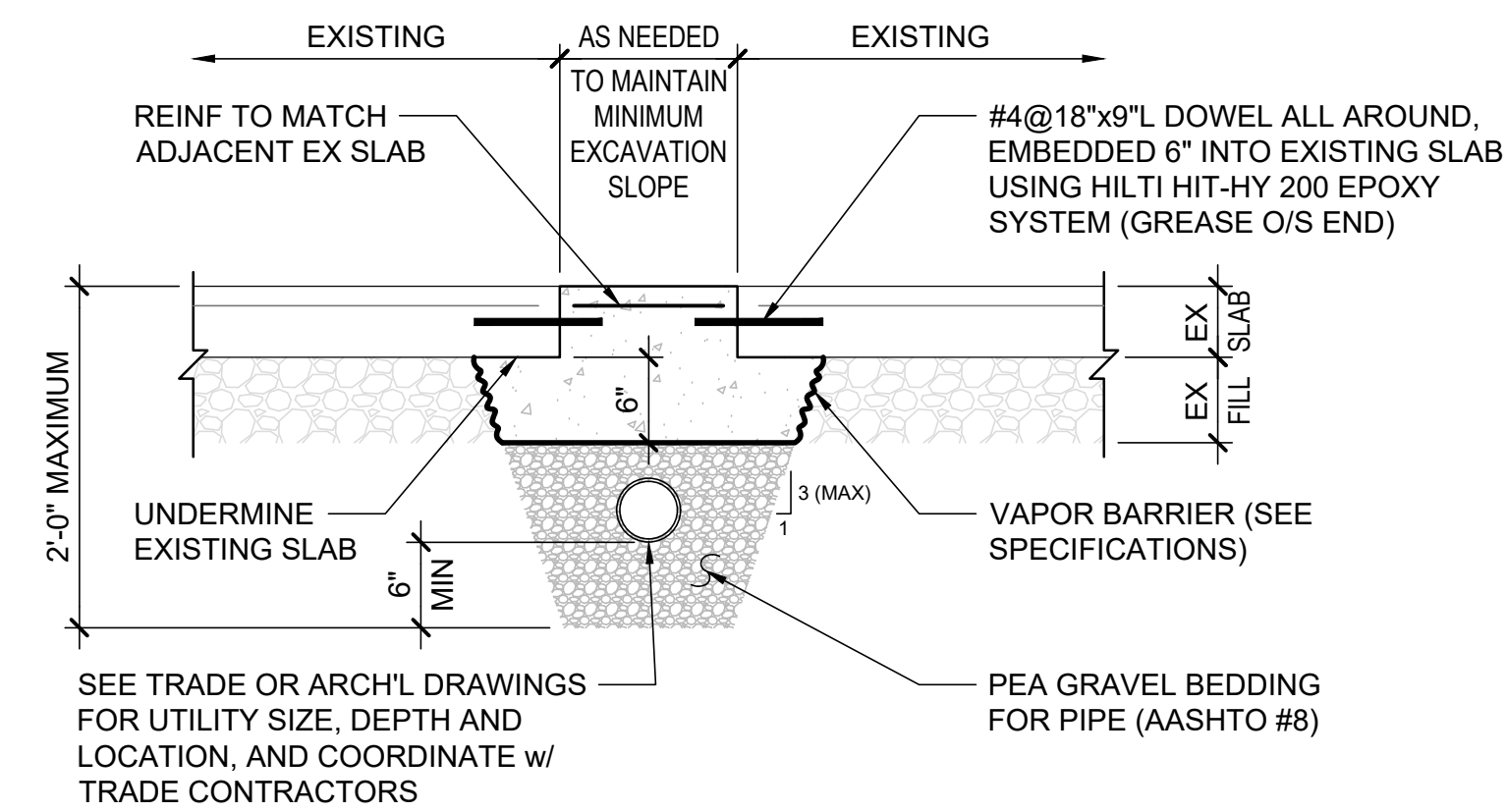
NOT TO SCALE (16)

- USE REBAR POSITIONERS FOR ALL BARS
- ALL REBAR TO BE SET IN 2000 PSI GROUT

GENERAL NOTES (MASONRY)

- MASONRY WALLS HAVE BEEN DESIGNED AND SHALL BE CONSTRUCTED TO HAVE A STRENGTH OF $f_m = 1500$ PSI.
- CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT (130 PCF) ASTM C90 WITH AN AVERAGE NET COMPRESSIVE STRENGTH OF 1900 PSI. MINIMUM FACE SHELL THICKNESS FOR 12" CMU SHALL BE 1.25".
- PROVIDE SPECIAL SHAPES (CORNER, END, CONTROL JOINT, RADIUS EDGE, DOUBLE OPEN END, ETC.) AS DETAILED ON DRAWINGS.
- MORTAR SHALL BE ASTM C270. ALL CMU MASONRY SHALL BE LAID IN A FULL BED OF MORTAR (INCLUDING ALL WEBS).

ALL FOUNDATION AND RETAINING WALLS	TYPE M	2500 PSI
ALL ABOVE GRADE EXTERIOR WALLS	TYPE S	1800 PSI
ABOVE GRADE VENEER	TYPE N	750 PSI
- GROUT SHALL CONFORM TO ASTM C476. GROUT SHALL HAVE A COMPRESSIVE STRENGTH OF 2000 PSI AND CONTAIN PEA GRAVEL AGGREGATE. GROUTING OF MASONRY w/ VERTICAL REINFORCEMENT SHALL BE PERFORMED IN 48" LIFT HEIGHTS (MAXIMUM) UNLESS CONTRACTOR CAN DEMONSTRATE EXPERIENCE WITH HIGH-LIFT GROUTING. HIGH LIFT GROUTING WOULD INVOLVE CREATING OUTLET HOLES AT THE BOTTOM OF EVERY VERTICAL. GROUT COLUMN AND PUMPING GROUT CONTAINING "GLENUM" FROM TOP OF WALL UNTIL GROUT FLOWS OUT OF BOTTOM OUTLET HOLE. HIGH LIFT MUST BE CONTINUOUSLY INSPECTED.
- REFER TO ARCHITECTURAL ELEVATIONS FOR SURFACE TEXTURE AND COLOR OF UNITS AND MORTAR.
- VERTICAL REINFORCING SHALL BE ASTM A615 GRADE 60 NEW REINFORCING. VERTICAL REINFORCING TO BE WELDED SHALL BE ASTM A706. USE 9 GAUGE GALVANIZED REBAR POSITIONERS BY WIRE BOND OR EQUAL IN EVERY FIFTH COURSE. GROUT ALL CELLS WITH VERTICAL REINFORCEMENT SOLID. LAP BARS 30". PROVIDE DOWELS INTO FOOTINGS FOR ALL VERTICAL BARS IN NEW CONSTRUCTION AND DRILL AND EPOXY 12" INTO EXISTING CONSTRUCTION.
- HORIZONTAL REINFORCEMENT SHALL BE 9 GAUGE HOT-DIP GALVANIZED LADDER-TYPE CONFORMING TO ASTM A951, AT 16" O.C. ABOVE GRADE. PROVIDE PREFABRICATED TEES AND CORNERS.
- BOND BEAMS SHALL BE CONTINUOUS AND SHALL HAVE CORNER BARS AT INTERSECTIONS. REFER TO STRUCTURAL AND ARCHITECTURAL SECTIONS FOR LOCATIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR LINTEL SCHEDULE.



TYPICAL DETAIL AT NEW UTILITY INSTALLATION BENEATH EXISTING SLAB ON GRADE (SHALLOW)

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

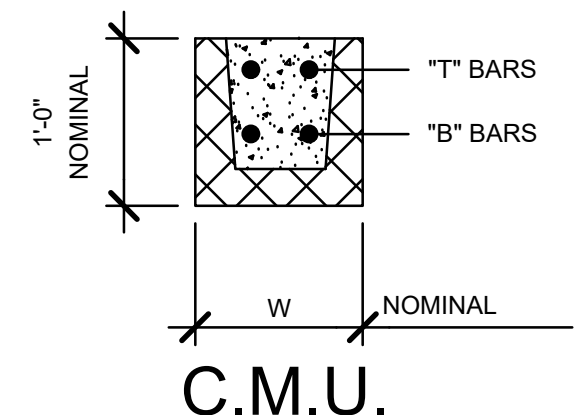
- DETAIL IS APPLICABLE TO SLABS-ON-GRADE ONLY; DO NOT USE FOR MAT SLABS OR STRUCTURAL SLABS.
- ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH OSHA SAFETY REGULATIONS.
- COORDINATE LOCATIONS WITH PLUMBING, ELECTRICAL AND ARCHITECTURAL DRAWINGS.

LINTEL SCHEDULES

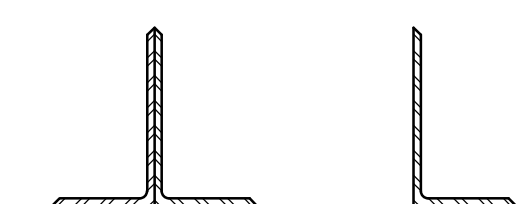
C.M.U. LINTELS					
M.O.	W (IN.)	D (IN.)	"B" BARS	"T" BARS	MIN. BEARING EACH END (IN.)
3'-0"	6	8	1-#3	-	8
3'-0"	8	8	2-#3	-	8
3'-0"	12	8	2-#4	-	8
4'-0"	6	8	1-#3	-	8
4'-0"	8	8	2-#3	-	8
4'-0"	12	8	2-#4	-	8
5'-0"	6	8	1-#3	-	8
5'-0"	8	8	2-#3	-	8
5'-0"	12	8	2-#4	-	8
6'-0"	6	16	1-#4	-	8
6'-0"	8	8	2-#3	-	8
6'-0"	12	8	2-#4	-	8
6'-0"	12	16	2-#4	-	8
7'-0"	6	16	1-#4	-	8
7'-0"	8	16	2-#4	-	8
7'-0"	12	16	2-#5	-	8
8'-0"	6	16	1-#5	-	8
8'-0"	8	16	2-#5	-	8
8'-0"	12	16	2-#6	-	8

PRECAST LINTELS						
M.O.	W (IN.)	D (IN.)	"B" BARS	"T" BARS	STIRRUPS	MIN. BEARING EACH END (IN.)
UP TO 4'-0"	8	8	2-#4	2-#4	-	8
UP TO 4'-0"	12	8	2-#4	2-#4	-	8
4'-0" TO 5'-0"	8	8	2-#4	2-#4	-	8
4'-0" TO 5'-0"	12	8	2-#4	2-#4	-	8
5'-0" TO 6'-0"	8	8	2-#4	2-#4	-	8
5'-0" TO 6'-0"	12	8	2-#5	2-#5	-	8
5'-0" TO 7'-0"	8	8	2-#4	2-#4	-	8
5'-0" TO 7'-0"	12	8	2-#5	2-#5	-	8
7'-0" TO 8'-0"	8	16	2-#5	2-#5	-	8
7'-0" TO 8'-0"	12	16	3-#5	3-#5	-	8
8'-0" TO 9'-0"	8	16	2-#5	2-#5	-	10
8'-0" TO 9'-0"	12	16	3-#5	3-#5	-	10
9'-0" TO 10'-0"	8	16	2-#6	2-#6	#3@6 1/2"	10
9'-0" TO 10'-0"	12	16	3-#6	3-#6	-	10
10'-0" TO 11'-0"	8	16	2-#6	2-#6	#3@6 1/2"	12
10'-0" TO 11'-0"	12	16	3-#6	3-#6	-	12
11'-0" TO 12'-0"	8	16	2-#6	2-#6	#3@6 1/2"	12
11'-0" TO 12'-0"	12	16	3-#6	3-#6	-	12

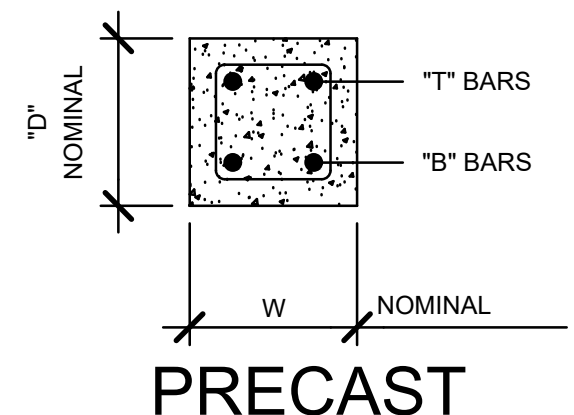
STEEL LINTELS			
MASONRY OP'NG	8" C.M.U.	12" C.M.U.	MIN. BRG. EA. END
UP TO 3'-6"	2LS 3 1/2x3 1/2x5/16	3LS 3 1/2x3 1/2x5/16	8"
3'-7" TO 4'-6"	2LS 3 1/2x3 1/2x5/16	3LS 3 1/2x3 1/2x5/16	8"
4'-7" TO 5'-6"	2LS 5x3 1/2x5/16 LLV	3LS 5x3 1/2x5/16 LLV	8"
5'-7" TO 6'-6"	2LS 6x3 1/2x5/16 LLV	3LS 6x3 1/2x5/16 LLV	8"
6'-7" TO 7'-6"	2LS 6x3 1/2x3/8" LLV	3LS 6x3 1/2x3/8" LLV	8"
7'-7" TO 8'-6"	W 8x10x5/16 BOTTL. PL.	W 8x10x5/16 BOTTL. PL.	8"
8'-7" TO 9'-6"	W 8x10x5/16 BOTTL. PL.	W 8x10x5/16 BOTTL. PL.	10"
9'-7" TO 10'-6"	W 8x13x5/16 BOTTL. PL.	W 8x13x5/16 BOTTL. PL.	10"
10'-7" TO 11'-6"	W 8x13x5/16 BOTTL. PL.	W 8x13x5/16 BOTTL. PL.	12"
11'-7" TO 12'-6"	W 8x13x5/16 BOTTL. PL.	W 8x15x5/16 BOTTL. PL.	12"
12'-7" TO 13'-6"	W 8x13x5/16 BOTTL. PL.	W 8x15x5/16 BOTTL. PL.	13"
13'-7" TO 14'-6"	W 10x15x5/16 BOTTL. PL.	W 10x19x5/16 BOTTL. PL.	14"



* ALL EXPOSED LINTELS TO BE MASONRY. IF STEEL LINTELS ARE TO BE USED THEY MUST BE ABOVE THE CEILING. (TYP.)

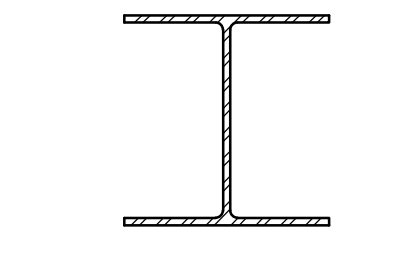


ANGLE LINTEL DETAIL



NOTE: ALL NEW EXTERIOR STEEL LINTELS TO BE GALVANIZED & NOT TO BE CUT IN FIELD (TYP.)

NOTE: LINTEL SCHEDULE IS TO BE USED FOR MEP OPENINGS IN NEW OR EXISTING WALLS UNLESS OTHERWISE NOTED AND DETAILED



BEAM/BOTT. PL. LINTEL DETAIL

EXTEND BOTTL. PL. INTO BEARING AREA

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REVISION NO:

ADDENDUM #5	12/11/2025
• ADDED TRENCH DETAIL.	

BID DOCUMENTS
SED # 08-01-01-04-0-001-019

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PROJECT TITLE:

Afton Central School District
29 Academy St, Afton, NY 13730

2024 Capital Project
Phase 1

SEALS:

DRAWING TITLE:

WALL TYPES, DETAILS, AND LINTEL SCHEDULE

DRAWN BY: A.L. / T.M.	CHECKED BY: C.Z.
DATE: 11/10/2025	PROJECT NO: 2025-005
DRAWING NO:	

G-003

CAD FILE: 0005-G-003.DWG PLOT DATE: 12/11/2025

DRAWING LEGEND

- INDICATES AREA OF ALTERATION
- EXISTING WALL CONSTRUCTION TO REMAIN
- NEW WALL CONSTRUCTION
- EXISTING DOOR TO REMAIN
- WIRE GLASS REPLACEMENT IN EXISTING DOOR
- NEW DOOR AND FRAME
- ROOM NAME
NO.
- INDICATES ROOM NAME AND NUMBER
- INDICATES DOOR NUMBER
- INDICATES WINDOW TYPE
- CONSTRUCTION KEY NOTE INDICATOR
- INDICATES BORROWED LITE TYPE

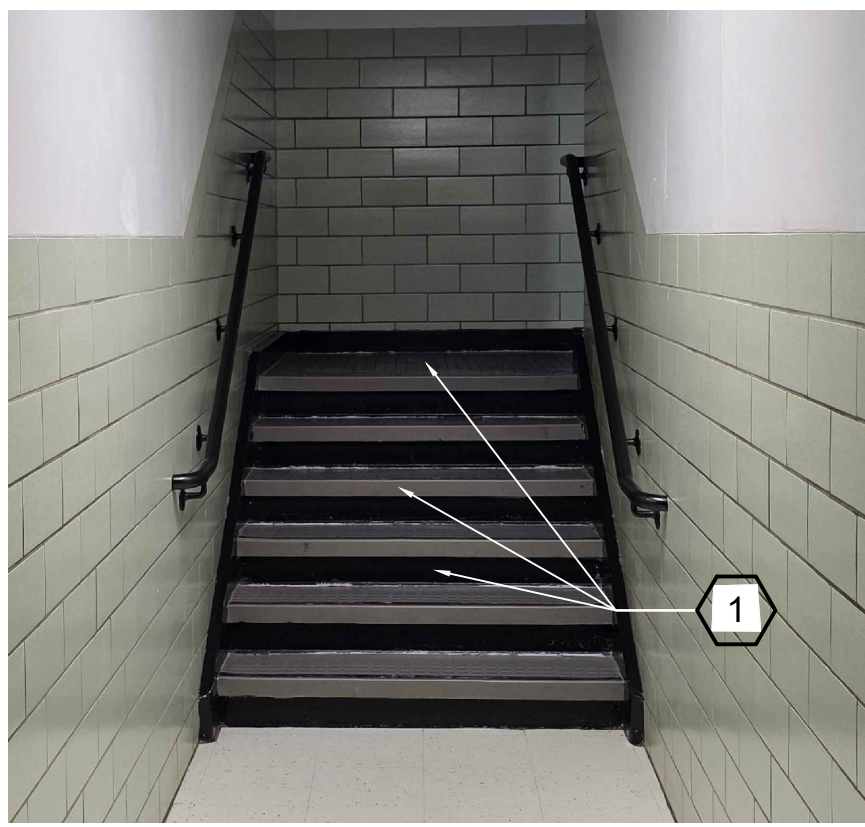
CONSTRUCTION KEY NOTES

- 1 REPLACE RUBBER STAIR TREADS, RISERS, AND LANDINGS TO MATCH EXISTING.
- 2 PROVIDE A SHELTER OVER EXISTING INTAKE WELL. SEE DETAIL THIS DRAWING.

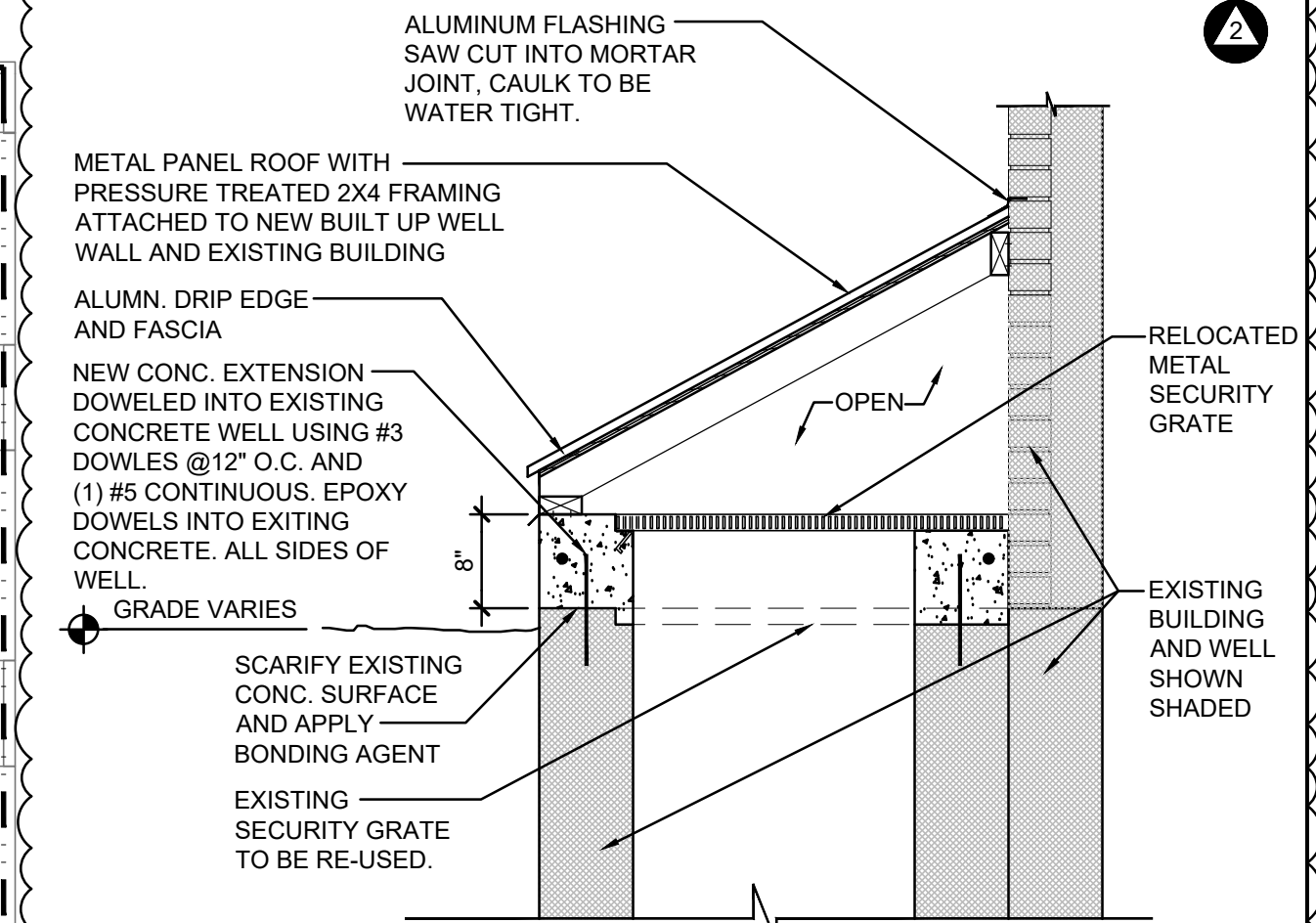
ESPORTS
LEVEL 1 ALTERATION

STAIR
LEVEL 1 ALTERATION

STAIR
LEVEL 1 ALTERATION



2 PHOTO 1
A-104
SCALE: N.T.S.



NOTE:
NEW CONCRETE SHALL BE 4000 PSI CONCRETE WITH 6% AIR-ENTRAINMENT

3 TYPICAL SECTION
@ EXTERIOR WELLS
A-104
SCALE: 3/4"=1'-0"

GYMNASIUM
LEVEL 1 ALTERATION

1 FIRST FLOOR
COMPOSITE PLAN (PART C/D)
A-104
SCALE: 3/32" = 1'-0"

IT CENTER
LEVEL 2 ALTERATION

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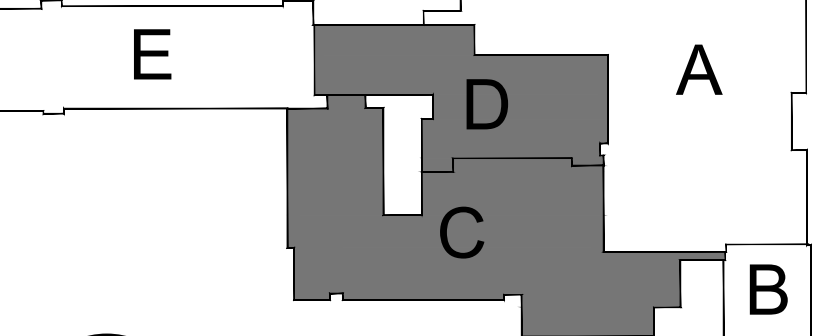
REVISION NO:

ADDENDUM #3 12/03/2025

- ADDED ENLARGED EXTERIOR STAIR PLAN TAG.

ADDENDUM #5 12/11/2025

- ADDED TYPICAL SECTION @ EXTERIOR STAIR WELLS AND CONSTRUCTION KEY NOTE 2.



KEY PLAN

BID DOCUMENTS
SED # 08-01-01-04-0-001-019

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PROJECT TITLE:

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29 Academy St, Afton, NY 13730

2024 Capital Project
Phase 1

SEALS:

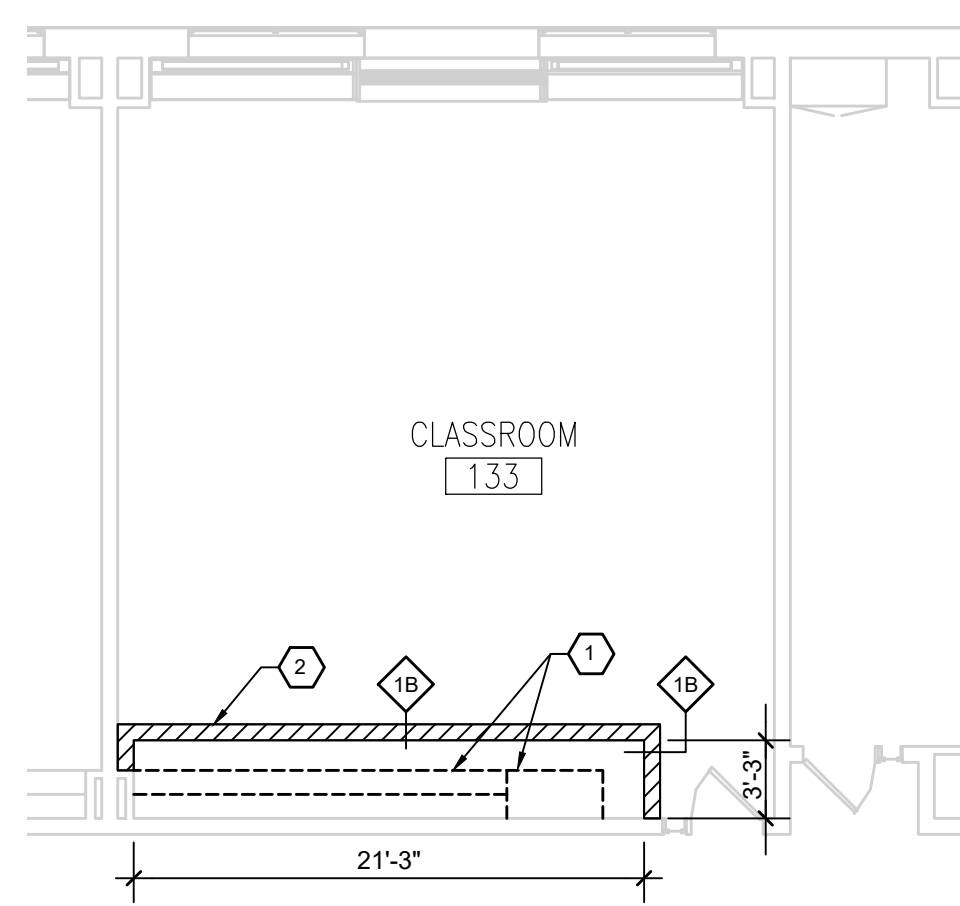
DRAWING TITLE:

**FIRST FLOOR
COMPOSITE PLAN
(PART C/D)**

DRAWN BY: R.J.C./A.L. CHECKED BY: D.G.
DATE: 11/10/2025 PROJECT NO: 2025-005
DRAWING NO:

A-104

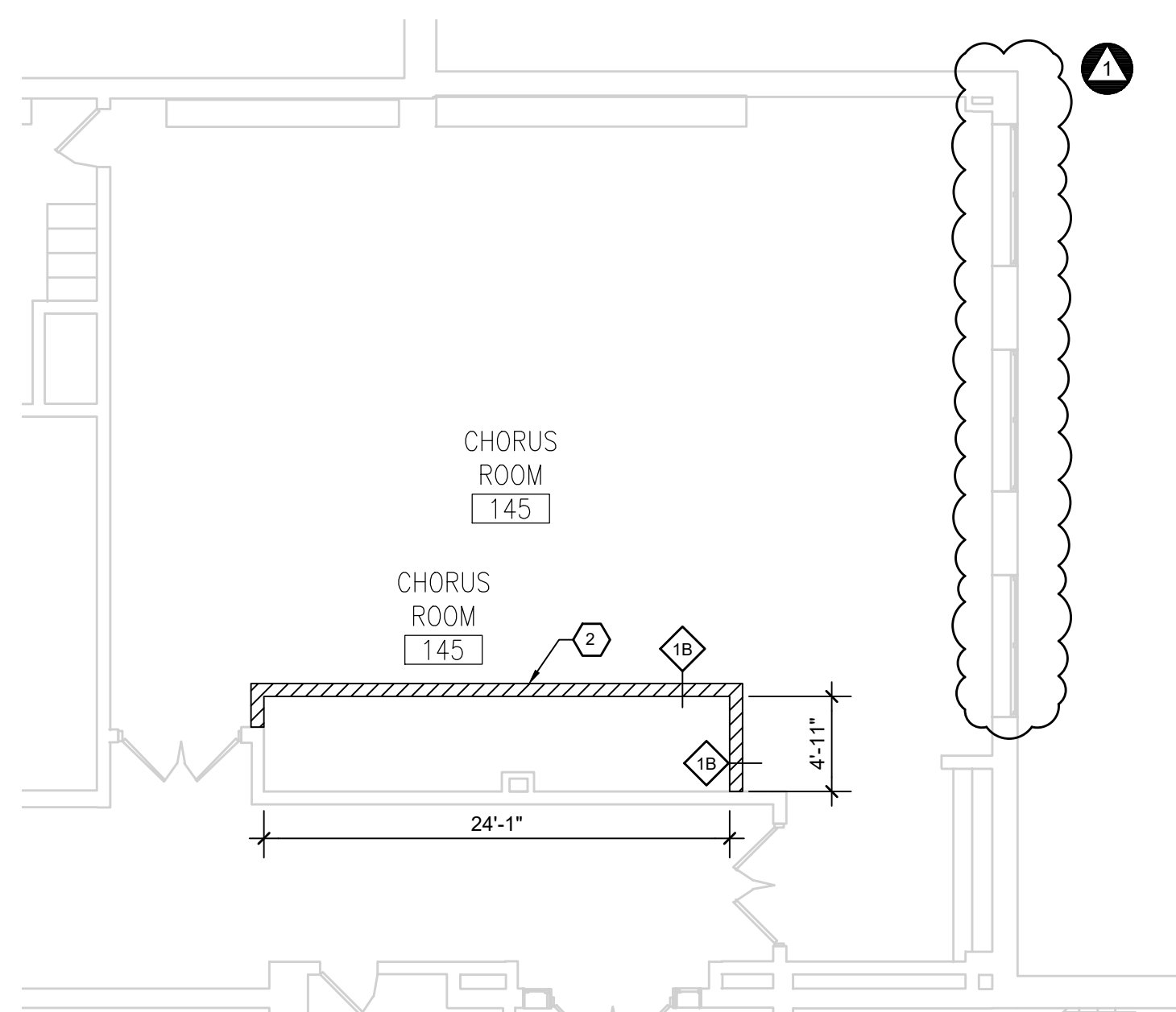
CAD FILE: 2025-A-104.DWG PLOT DATE: 01/11/2025



CLASSROOM 133 RENOVATION PLAN

FIRST FLOOR

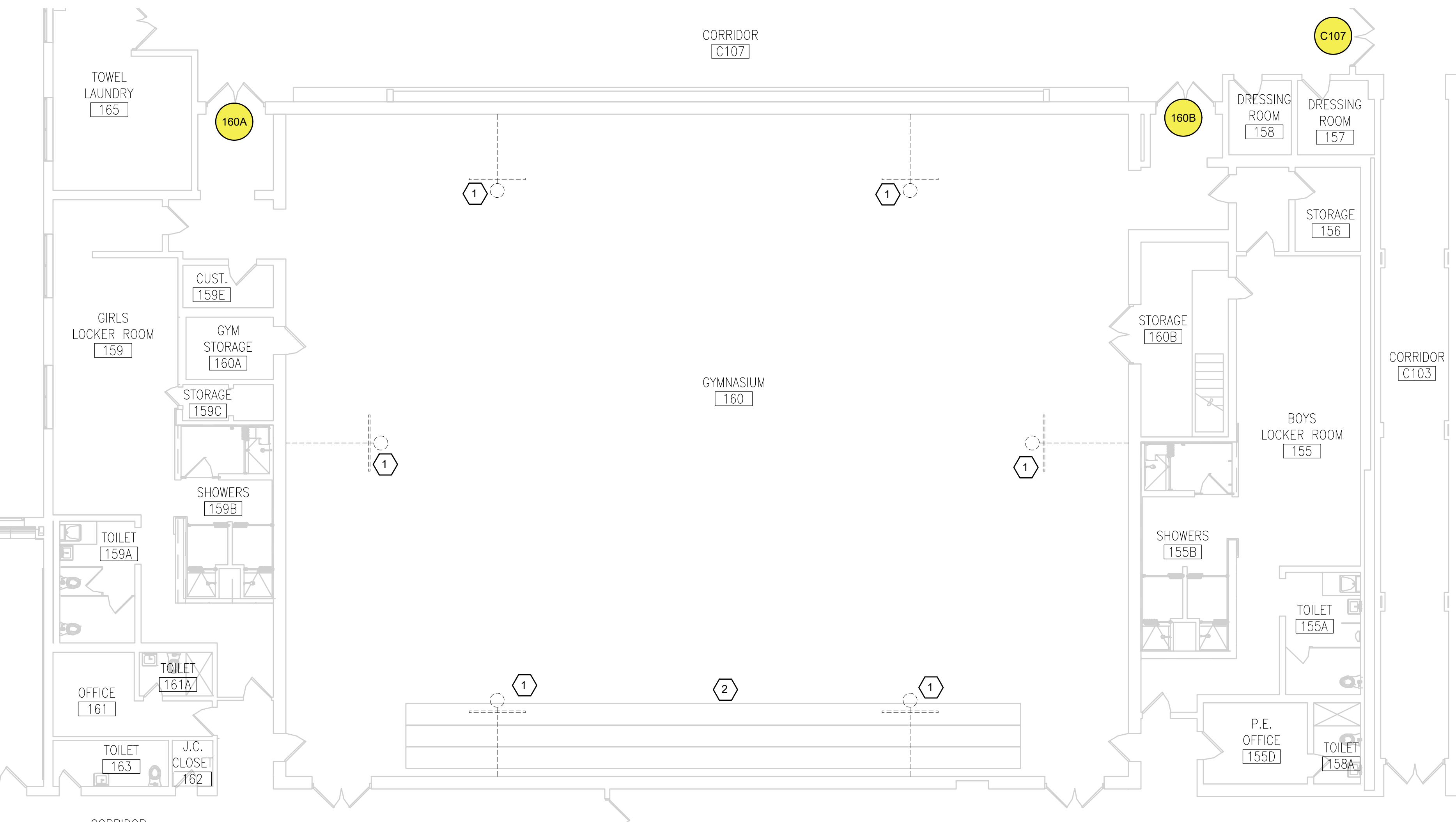
SCALE: 1/8"=1'-0"



CHORUS ROOM RENOVATION PLAN

FIRST FLOOR

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



GYMNASIUM RENOVATION PLAN

FIRST FLOOR

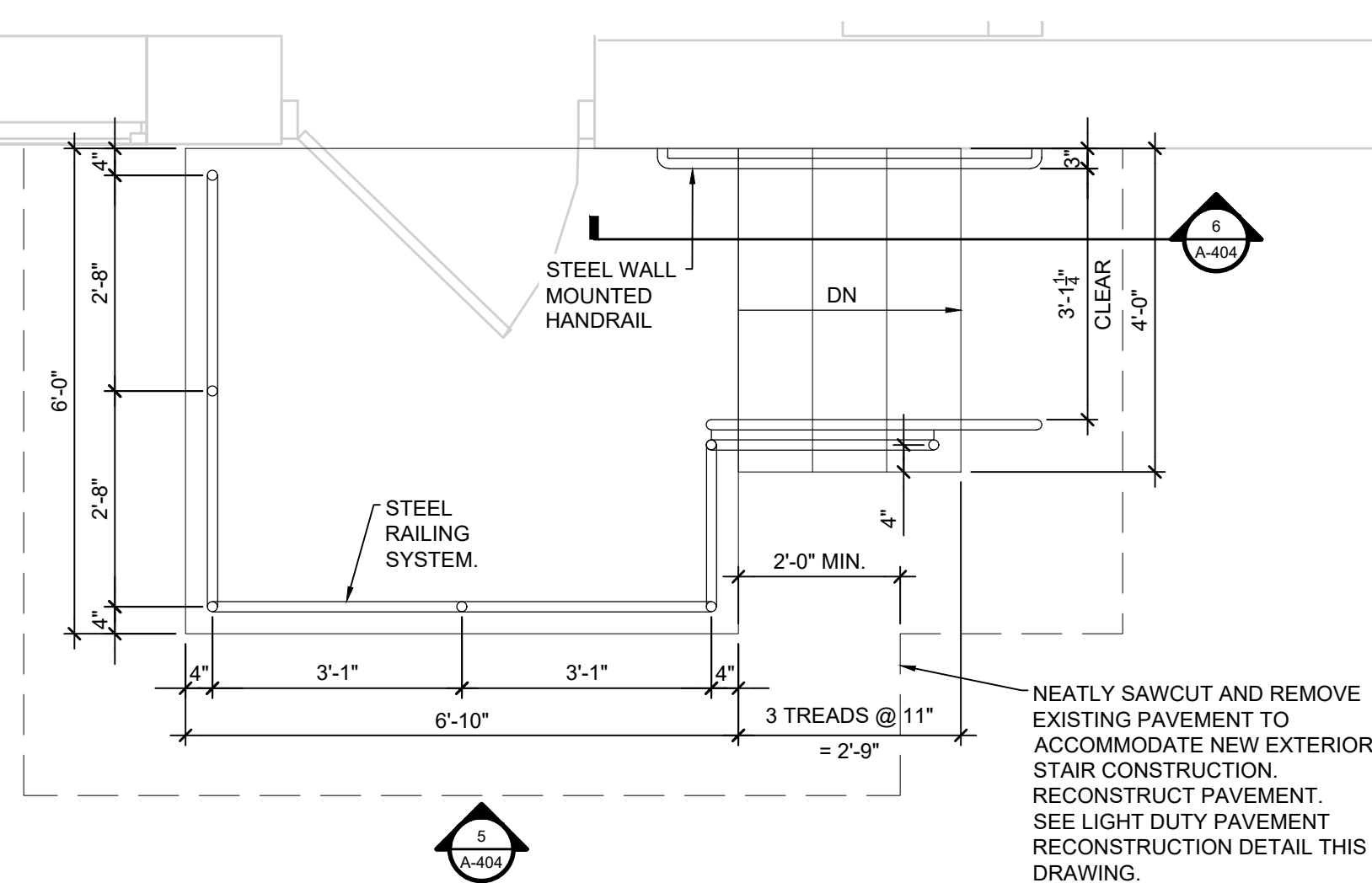
SCALE: 1/8"=1'-0"

CONSTRUCTION LEGEND

- EXISTING WALL CONSTRUCTION TO REMAIN
- NEW WALL CONSTRUCTION
- EXISTING DOOR TO REMAIN
- ROOM NAME NO. INDICATES ROOM NAME AND NUMBER
- NEW WALL TYPE SEE WALL TYPES SHEET G-003
- NEW WINDOW TAG REFER TO WINDOW TYPES SHEET
- CONSTRUCTION KEY NOTE INDICATOR

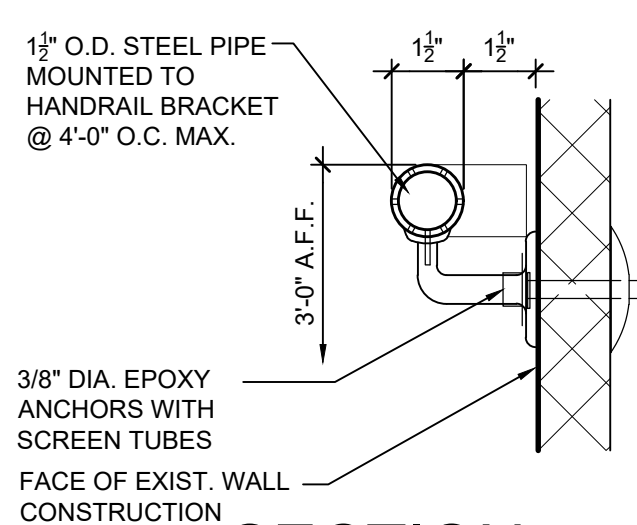
CONSTRUCTION KEY NOTES

- REMOVE AND RELOCATE EXISTING SHELVING AND MILLWORK.
- PROVIDE NEW PARTITIONS AS INDICATED ON PLAN TO ACCOMMODATE NEW CHASE. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF NEW CHASE. REFER TO WALL LEGEND FOR WALL TYPE CONSTRUCTION. REFER TO WALL TYPES FOR RATED WALLS.



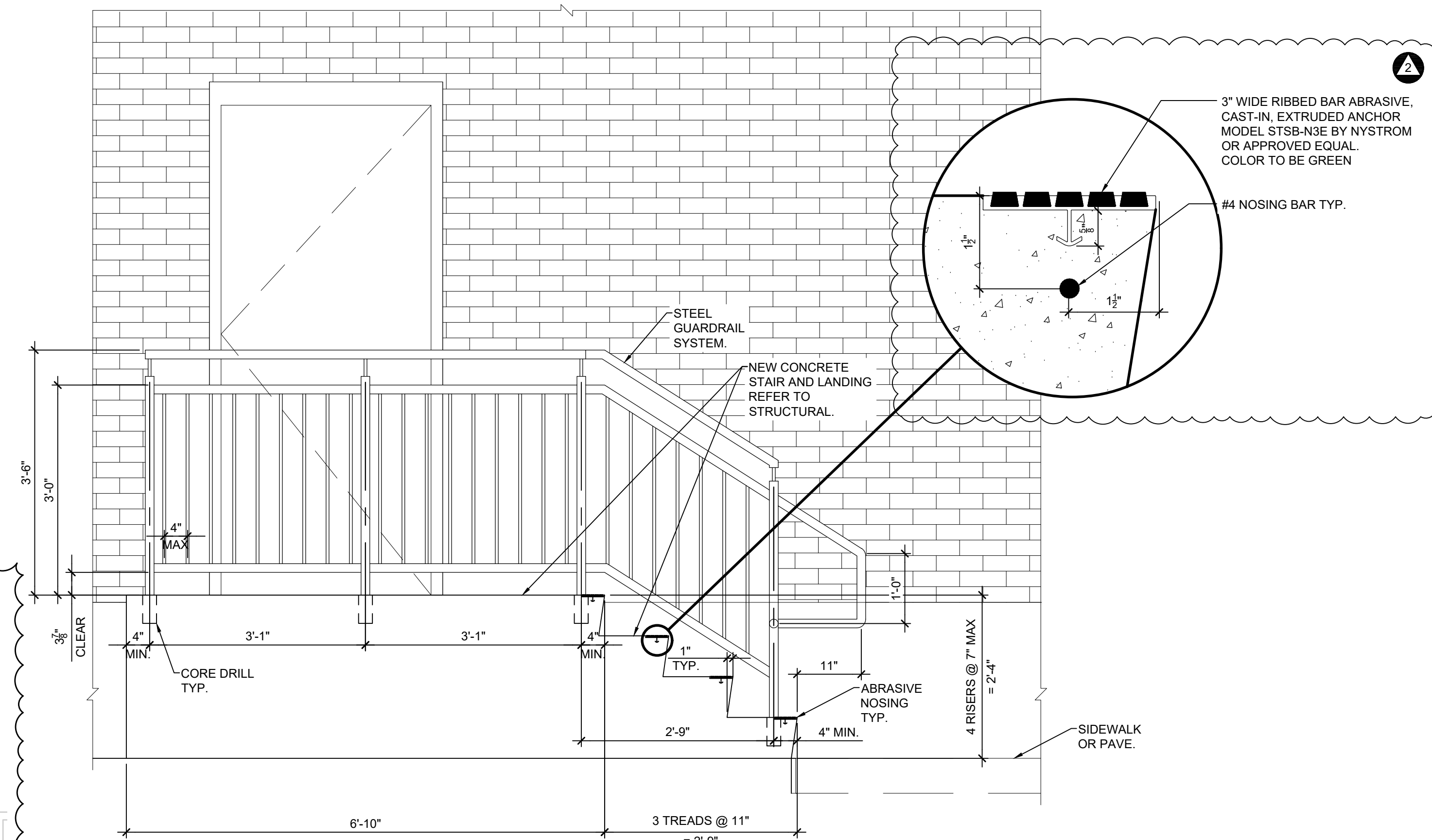
DOOR 9 EXTERIOR ENLARGED STAIR PLAN

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



SECTION @ WALL MOUNTED RAIL

SCALE: 3"=1'-0"



EXTERIOR STAIR ELEVATION @ WALL MOUNTED HANDRAIL

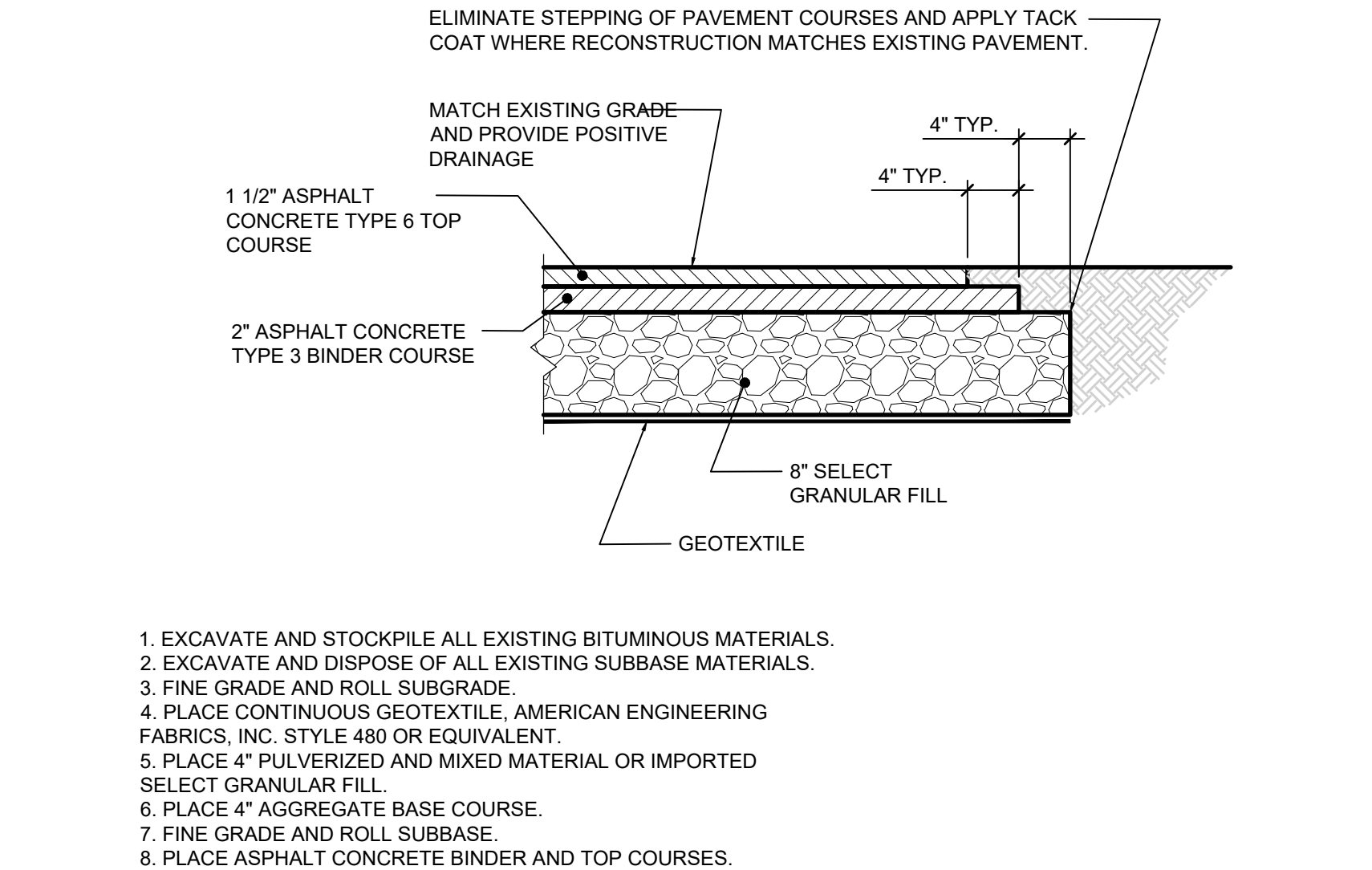
SCALE: 3/4"=1'-0"

CONSTRUCTION LEGEND

- EXISTING WALL CONSTRUCTION TO REMAIN
- EXISTING DOOR TO REMAIN
- WIRE GLASS REPLACEMENT IN EXISTING DOOR
- ROOM NAME NO. INDICATES ROOM NAME AND NUMBER
- INDICATES DOOR NUMBER REFER TO DOOR SCHEDULE
- NEW WALL TYPE SEE WALL TYPES SHEET G-003
- CONSTRUCTION KEY NOTE INDICATOR

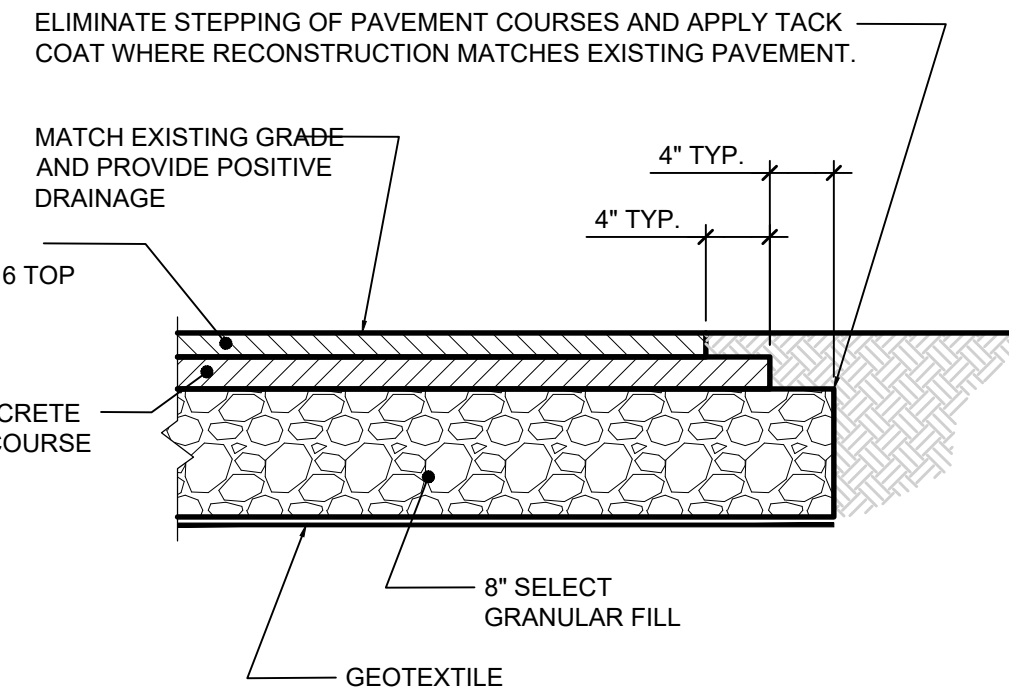
CONSTRUCTION KEY NOTES

- MOTORIZED BASKETBALL BACKSTOPS SHALL BE FURNISHED AND INSTALLED BY OWNER UNDER SEPARATE CONTRACT. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING OF NEW BACKSTOPS.
- REPAIR OF EXISTING BLEACHERS SHALL BE COMPLETED BY OWNER UNDER SEPARATE CONTRACT.



LIGHT DUTY PAVEMENT RECONSTRUCTION DETAIL

SCALE: 1"=1'-0"



- EXCAVATE AND STOCKPILE ALL EXISTING BITUMINOUS MATERIALS.
- EXCAVATE AND DISPOSE OF ALL EXISTING SUBBASE MATERIALS.
- FINE GRADE AND ROLL SUBGRADE.
- PLACE CONTINUOUS GEOTEXTILE, AMERICAN ENGINEERING FABRICS, INC. STYLE 480 OR EQUIVALENT.
- PLACE 4" PULVERIZED AND MIXED MATERIAL OR IMPORTED SELECT GRANULAR FILL.
- PLACE 4" AGGREGATE BASE COURSE.
- FINE GRADE AND ROLL SUBBASE.
- PLACE ASPHALT CONCRETE BINDER AND TOP COURSES.

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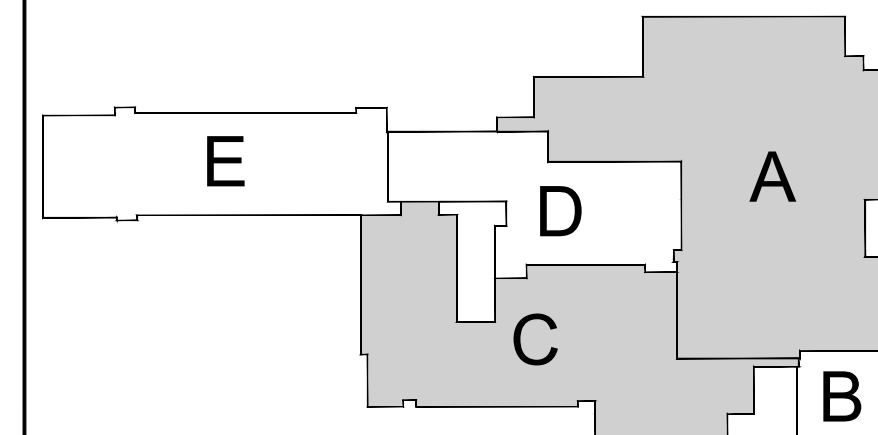
REVISION NO:

ADDENDUM #3 12/03/2025

- ADDED ENLARGED STAIR PLAN, EXTERIOR STAIR ELEVATION AND WALL MOUNTED HANDRAIL ELEVATION TO SHEET
- ADDED PAVE RESTORATION DETAIL
- REVISED CONSTRUCTION KEYED NOTES
- REMOVED REPLACEMENT OF WINDOWS AT CHORUS ROOM FROM SCOPE OF WORK

ADDENDUM #5 12/11/2025

- ADDED NOSING DETAIL TO EXTERIOR STAIR ELEVATION.



KEY PLAN

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PROJECT TITLE:

Afton Central School District
29 Academy St, Afton, NY 13730

2024 Capital Project Phase 1

SEALS:

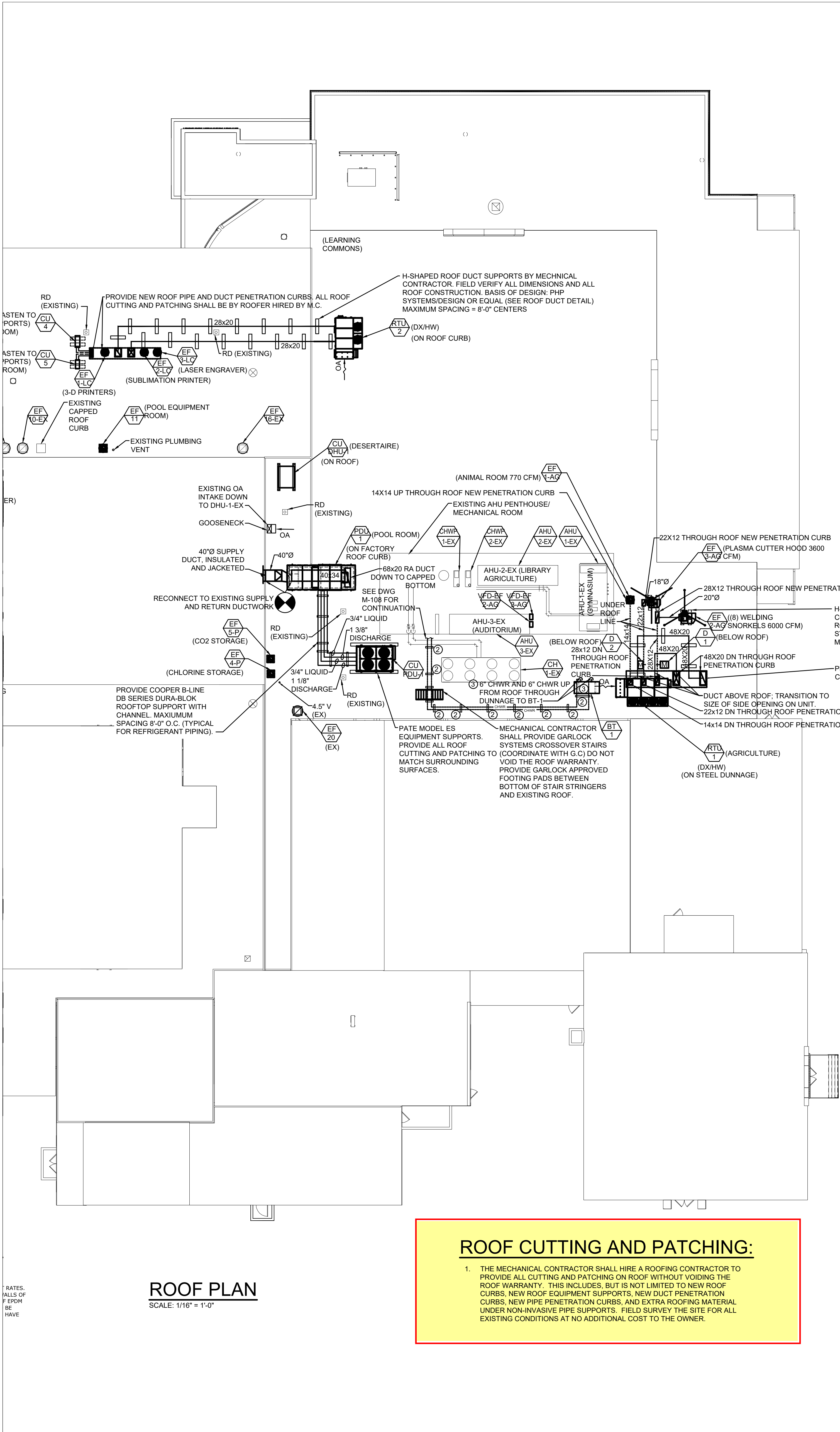
DRAWING TITLE:
UPPER GYM, CHORUS ROOM & CLASSROOM ENLARGED PLANS & EXTERIOR STAIR PLAN

DRAWN BY: A.G. / T.M. CHECKED BY: C.Z.
DATE: 11/10/2025 PROJECT NO: 2025-005

DRAWING NO:

A-404

CAD FILE: 5005-A-404.DWG PLOT DATE: 12/11/2025



ROOF PLAN
SCALE: 1/16" = 1'-0"

ROOF CUTTING AND PATCHING:

- THE MECHANICAL CONTRACTOR SHALL HIRE A ROOFING CONTRACTOR TO PROVIDE ALL CUTTING AND PATCHING ON ROOF WITHOUT VOIDING THE ROOF WARRANTY. THIS INCLUDES, BUT IS NOT LIMITED TO NEW ROOF CURBS, NEW ROOF EQUIPMENT SUPPORTS, NEW DUCT PENETRATION CURBS, NEW PIPE PENETRATION CURBS, AND EXTRA ROOFING MATERIAL UNDER NON-INVASIVE PIPE SUPPORTS. FIELD SURVEY THE SITE FOR ALL EXISTING CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.

ADD ALTERNATES:

THE FOLLOWING SHALL BE ADD ALTERNATES TO THE BASE BID:

- PDU-1, CU-PDU-1 AND ALL ASSOCIATED DUCTWORK, PIPING, AND CONTROLS.
- THE CORRECTION OF LOW FLOW IN ROOFTOP CHILLER CH-1.

KEYED NOTES:

- PROVIDE NEW ROOF PENETRATION CURB ON ROOF.
- ALL CHILLED WATER PIPING SUPPORTS SHALL BE LOCATED DIRECTLY OVER ROOF JOISTS BELOW. MAXIMUM SPACING SHALL BE 8'-0" O.C.
- SUPPORT BOTTOM OF VERTICAL AND HORIZONTAL PIPING NEAR BT-1 ON ROOF WITH CLEVIS HANGERS HUNG FROM THE NEW STEEL DUNNAGE. PROVIDE MISCELLANEOUS STEEL WELDED TO STEEL DUNNAGE AS REQUIRED.

GENERAL NOTES

PIPING NOTE: SIZE, TRAP, AND INSULATE ALL REFRIGERANT PIPING PER ALL MANUFACTURER RECOMMENDATIONS

AIR BALANCING NOTES

- TAB CONTRACTOR AND CONTROLS CONTRACTOR SHALL WORK TOGETHER (CLOSELY AND DILIGENTLY, SIDE BY SIDE) TO ACHIEVE THE FOLLOWING AT AHU-2-EX (INCLUDING THE ASSOCIATED RETURN/RELIEF AIR CFMS IN THE PENTHOUSE):

PROVIDE THE FOLLOWING NEW CONDITIONS/AIRFLOWS THROUGH BALANCING AND CONTROLS SEQUENCE OF OPERATIONS MODIFICATIONS.

AHU-2-EX (EXISTING CONDITIONS)
SA CFM = 12,500 CFM
OA CFM = 3,700 CFM

AHU-2-EX (NEW CONDITIONS)
SA CFM = 10,180 CFM
OA CFM = 4,111 CFM

PIPING SPECIFICATION:

- HEATING WATER, CHILLED WATER, CONDENSER WATER, GLYCOL PIPING ABOVE GRADE
- STEEL PIPE: ASTM A53, TYPE ERW, GRADE B, SCHEDULE 40 FOR 10" AND BELOW, STANDARD (375" WALL) FOR 12" AND ABOVE (BOTH FOR WELDED JOINTS). USE ASTM A53 OR 120, TYPE S, GRADE B, SCHEDULE 40 FOR SCREWED JOINTS. IPS GROOVED PIPING SYSTEMS ARE ACCEPTABLE ALTERNATES ACCORDING TO 2.5 HEREIN.
- FITTINGS: ANSI/ASTM B16.3, MALLEABLE IRON CLASS 150 OR ASTM A234, WROUGHT STEEL WELDING TYPE FITTINGS, SCHEDULE 40.
- JOINTS: UP TO 2 INCH, SCREWED; 2-1/2 INCH AND UP, WELDED. UTILIZE FITTINGS AS SPECIFIED ABOVE.
- COPPER TUBING: ASTM B88, TYPE L, HARD DRAWN, 2-1/2" AND BELOW.
- FITTINGS: ANSI/ASME B16.23 CAST BRASS OR ANSI/ASME B16.29 SOLDER WROUGHT COPPER.
- JOINTS: ASTM B32, SOLDER, GRADE 95TA. UTILIZE FITTINGS AS SPECIFIED ABOVE.

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REVISION NO:
ADDENDUM #1 08/18/25
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KEY PLAN

BID DOCUMENTS
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Afton Central School District
29 Academy St, Afton, NY 13730

2024 Capital Project
Phase 1

SEALS:

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