

LIVONIA PUBLIC SCHOOLS

WEBSTER ELEMENTARY
HYDRATION STATIONS

LIVONIA MICHIGAN

PROJECT NO. 2025-040

AUGUST 8TH, 2025

BID SET



FRENCH

LIST OF DRAWINGS

ARCHITECTURAL

- A0.01 ARCHITECTURAL REFERENCE SHEET
- A0.02 CODE PLAN
- A0.03 PARTITION LEGEND
- AD2.00 GENERAL DEMOLITION NOTES AND DETAILS
- AD2.01 COMPOSITE FIRST FLOOR DEMOLITION PLAN
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- A2.10B UNIT B FIRST FLOOR PLAN
- A3.02A ROOM FINISH SCHEDULE
- A9.10B UNIT B FLOOR FINISH PLAN

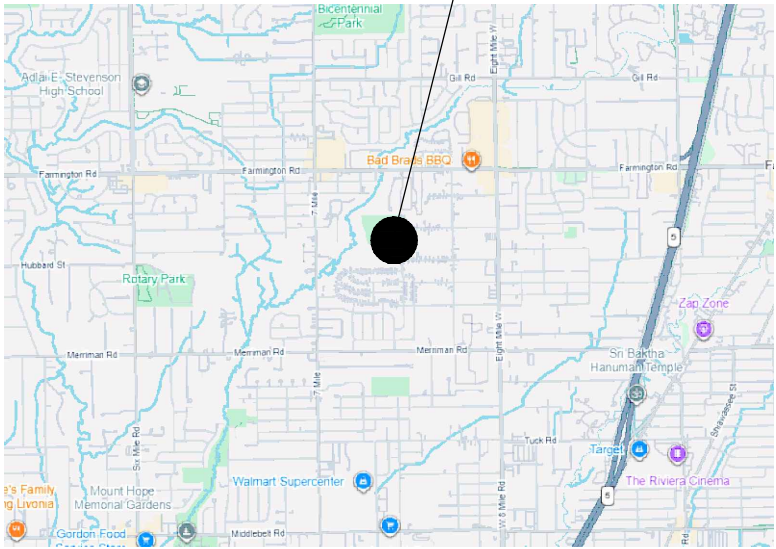
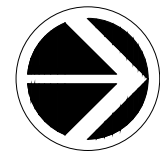
MECHANICAL

- P0.00 PLUMBING GENERAL INFORMATION
- P1.00 COMPOSITE PLUMBING FLOOR PLAN
- P4.10 ENLARGED PLUMBING NEW WORK PLANS

ELECTRICAL

- E0.00 ELECTRICAL GENERAL INFORMATION
- E1.00 COMPOSITE ELECTRICAL FLOOR PLAN
- E4.10 ENLARGED ELECTRICAL POWER NEW WORK PLANS
- E5.00 ELECTRICAL DETAILS

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Livonia Public Schools
Hydrstation Stations
Webster Elementary

SHEET

PROJECT NUMBER

SHEET NUMBER

DESIGN CODES

g0201 MICHIGAN REHABILITATION CODE (EXISTING BUILDING)

g0202 SCHOOL FIRE SAFETY RULES

g0203A 101 LIFE SAFETY CODE 2012 EDITION

g0201 MICHIGAN PLUMBING CODE

g0202 MICHIGAN MECHANICAL CODE

g0203 MICHIGAN ELECTRICAL CODE

g0204 MICHIGAN ELECTRICAL CODE RULES, PART 8

h2023 NATIONAL ELECTRICAL CODE (NFPA 70)

i107 100C A117-1 ACCESSIBLE AND USABLE BUILDINGS & FACILITIES

2) DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE (106.6)

a) REPRESENTATIVE OF FRENCH ASSOCIATES WILL BE THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.

4) COMPLIANCE METHOD (CHAPTER 3)

a) WORK AREA COMPLIANCE METHOD (301.1.2) - THE WORK SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF CHAPTERS 5 THROUGH 11.

5) CLASSIFICATION OF WORK (CHAPTER 5)

a) AS DEFINED BY THE MICHIGAN REHABILITATION CODE, THE WORK INCLUDES LEVEL 1 ALTERATIONS AND LEVEL 2 ALTERATIONS. THE WORK AREA DOES NOT EXCEEDS 50% OF THE BUILDING AREA.

b) THERE IS NO CHANGE OF OCCUPANCY.

c) THERE IS NO ADDITION.

d) UNDER THE SCHOOL FIRE SAFETY RULES, THE SCOPE OF WORK IN THE LEVEL 1 ALTERATIONS IS THE REPLACEMENT OF EXISTING FINISHES AND SYSTEMS. AS A RESULT, THE LEVEL 1 ALTERATION AREAS DO NOT QUALIFY AS REMODELING.

e) UNDER THE SCHOOL FIRE SAFETY RULES, THE LEVEL 2 ALTERATION AREAS ARE REMODELED AS DEFINED BY THE SCHOOL FIRE SAFETY RULES. THE LEVEL 2 ALTERATION AREA IS LESS THAN 50% OF THE BUILDING AREA SO WE ARE NOT REQUIRED TO BRING THE WHOLE BUILDING INTO COMPLIANCE.

6) CHAPTER 7 - ALTERATIONS- LEVEL 1

a) SECTION 702.1- NEW INTERIOR FINISHES WILL COMPLY WITH CHAPTER 8 OF THE MICHIGAN BUILDING CODE.

f) FROM TABLE 803.9- CORRIDORS ARE CLASS B FINISHES, ROOMS ARE CLASS C FINISHES

b) INTERIOR FLOOR FINISHES SHALL COMPLY WITH SECTION 804 OF MIBC.

7) CHAPTER 8 - ALTERATIONS- LEVEL 2

a) SECTION 803.4- NEW INTERIOR FINISHES WILL COMPLY WITH CHAPTER 8 OF THE MICHIGAN BUILDING CODE.

f) FROM TABLE 803.9- CORRIDORS ARE CLASS B FINISHES, ROOMS ARE CLASS C FINISHES

g) 804.1- THE NEW AND EXISTING FINISHES OF CORRIDORS SERVING THE WORK AREA SHALL COMPLY WITH SECTION 804 OF MIBC.

c) SECTION 804- FIRE PROTECTION

i) 804.2.2- IN WORK AREAS, THE FIRE PROTECTION (SPRINKLER) SYSTEM WILL BE MODIFIED AS REQUIRED TO COMPLY WITH THE MICHIGAN BUILDING CODE.

ii) 804.2.4- THE EXISTING BUILDING HAS AN EXISTING, PREVIOUSLY APPROVED FIRE ALARM SYSTEM (EXCEPTION 1)

iii) 804.1.1- THE EXISTING FIRE ALARM SYSTEM IS ALREADY IN PLACE IN THE WORK AREA AND SHALL BE MAINTAINED. MODIFICATIONS SHALL COMPLY WITH SECTION 90 OF THE MIBC.

d) SECTION 805.3- THE EXISTING NUMBER OF EXITS BEING MAINTAINED COMPLIANT WITH MIBC CHAPTER 10 REQUIREMENTS FOR QUANTITY AND SIZING.

e) SECTION 805.5- CORRIDOR DOORS IN THE WORK AREA THAT ARE BEING REPLACED SHALL BE SOLID CORE WOOD OR HOLLOW METAL AND SHALL NOT CONTAIN LOUVERS

f) 805.5.3- OTHER CORRIDOR OPENING- THE EXISTING CORRIDOR WALLS PROVIDE A SMOKE BARRIER SEPARATION. NEW CORRIDOR OPENINGS SHALL MAINTAIN THE SMOKE BARRIER

g) 805.6- DEAD END CORRIDORS IN THE WORK AREA DO NOT EXCEED 35'

h) 805.8- MEANS OF EGRESS AND EMERGENCY LIGHTING ARE PROVIDED AS REQUIRED IN THE MIBC

i) 805.8.7- EXIT SIGNS AS PROVIDED AS REQUIRED IN THE LEVEL 1 AND LEVEL 2 ALTERATION AREAS.

9) NFPA 101 LIFE SAFETY CODE, CHAPTER 11, EXISTING EDUCATIONAL OCCUPANCIES

a) THE SPACES BEING REMODELED (LEVEL 2 ALTERATIONS) ARE DESIGNED TO COMPLY WITH THE REQUIREMENTS OF CHAPTER 11, EXISTING EDUCATIONAL OCCUPANCIES.

ii) 11-2 THROUGH 11-2.5- EXISTING MEANS OF EGRESS SERVING THE WORK AREA ARE BEING MAINTAINED. IN LOCATIONS WHERE THE TRAVEL DISTANCE TO AN EXIT IS BEING MAINTAINED THROUGH THE ADDITION, THE ROOMS HAVE AN EXIT TRAVEL DISTANCE OF LESS THAN 110 FEET

iii) 11-2.8 THROUGH 11-2.10- NEW LIGHT FIXTURES, EMERGENCY LIGHTING AND EXIT SIGNS ARE PART OF THE WORK AND WILL COMPLY.

iv) 11-3.2- THE EXISTING BOILER ROOM IS SEPARATED FROM THE REST OF THE BUILDING BY A 1 HOUR FIRE RATED WALL

v) 11-3.3- INTERIOR FINISHES OF CORRIDORS ARE CLASS B, MINIMUM. ALL OTHER LOCATIONS ARE CLASS C, MINIMUM

vi) THE EXISTING FIRE RATED WALLS ARE BEING MAINTAINED

vii) 11-3.6- WE ARE NOT REMODELING THE CORRIDORS OR MOST CLASSROOM SPACES, JUST REPLACING CEILINGS, LIGHTS AND FINISHES AS INDICATED. IN LOCATIONS WHERE WE ARE REMODELING, THE CORRIDOR WALL IS BEING MAINTAINED AS EXISTING

iii) 11-3.7- THE EXISTING BUILDING IS SUB-DIVIDED INTO EXISTING FIRE AREAS.

 REPLACEMENT OR NEW INSTALLATION OF HYDRATION STATION WITH DRINKING FOUNTAIN

 INDICATES EXISTING 1-HOUR FIRE RATED WALLS

NO CHANGE TO EXISTING BUILDING AREA

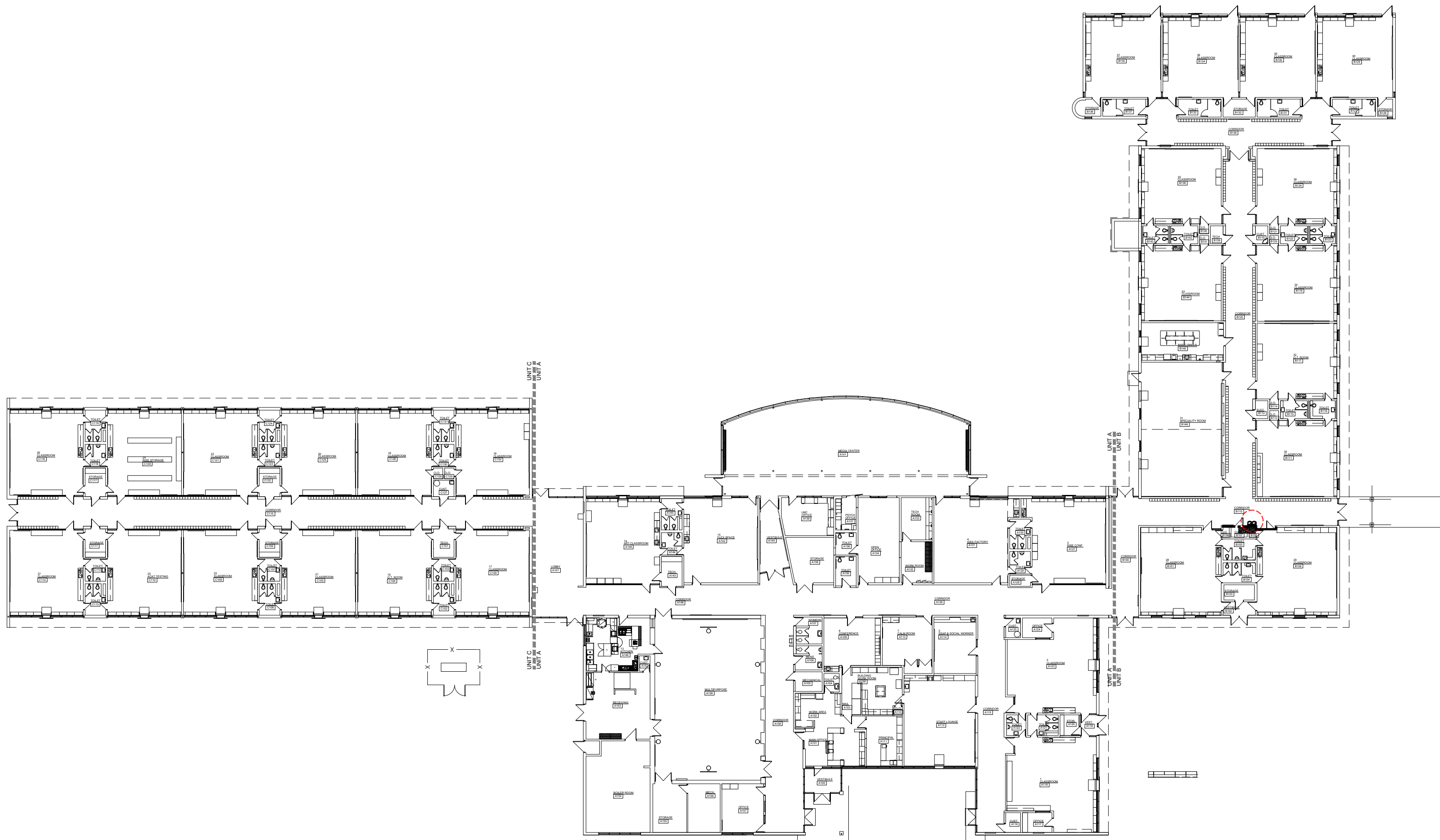
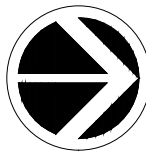
STUDENT POPULATION IS NOT CHANGING

NO CHANGE OF USE

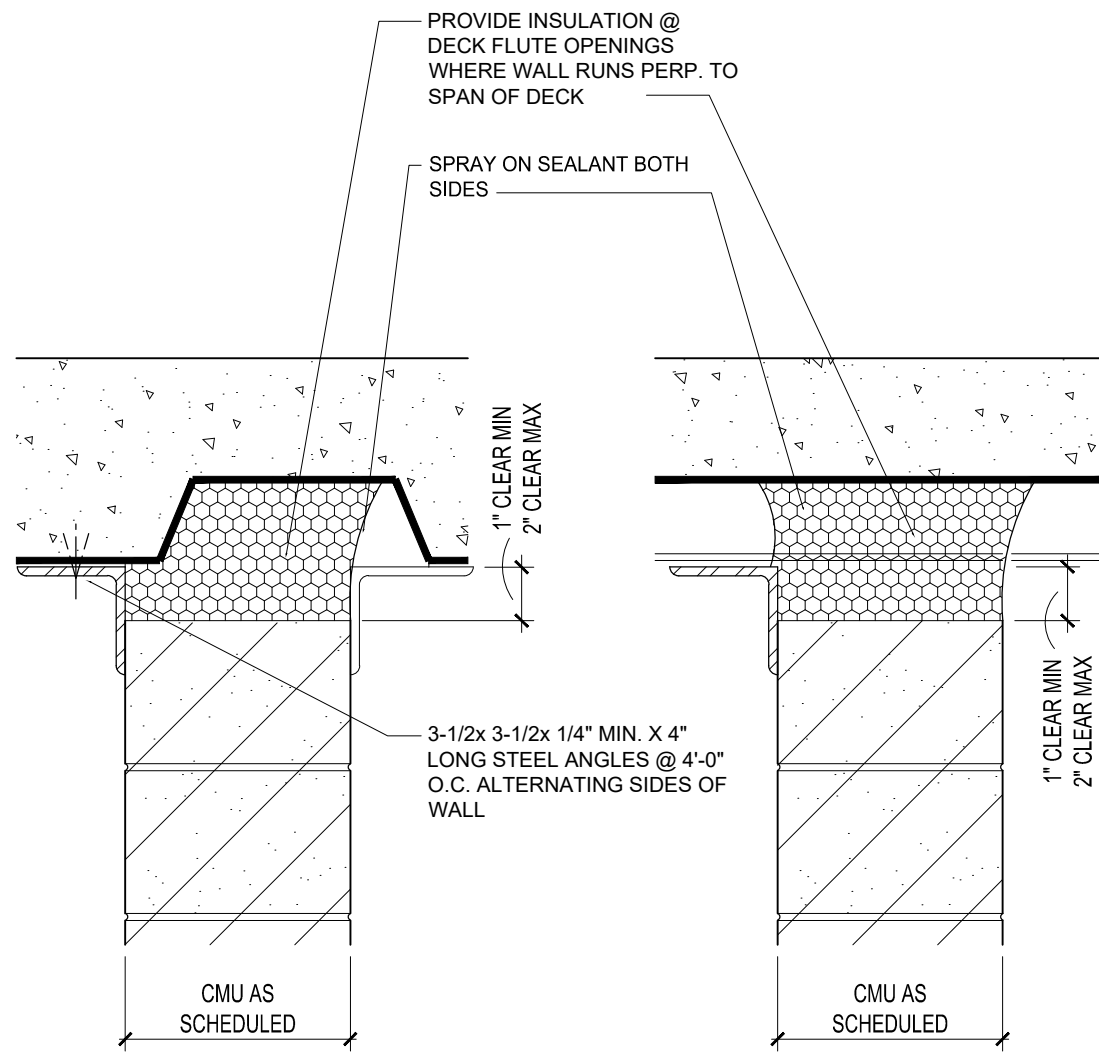
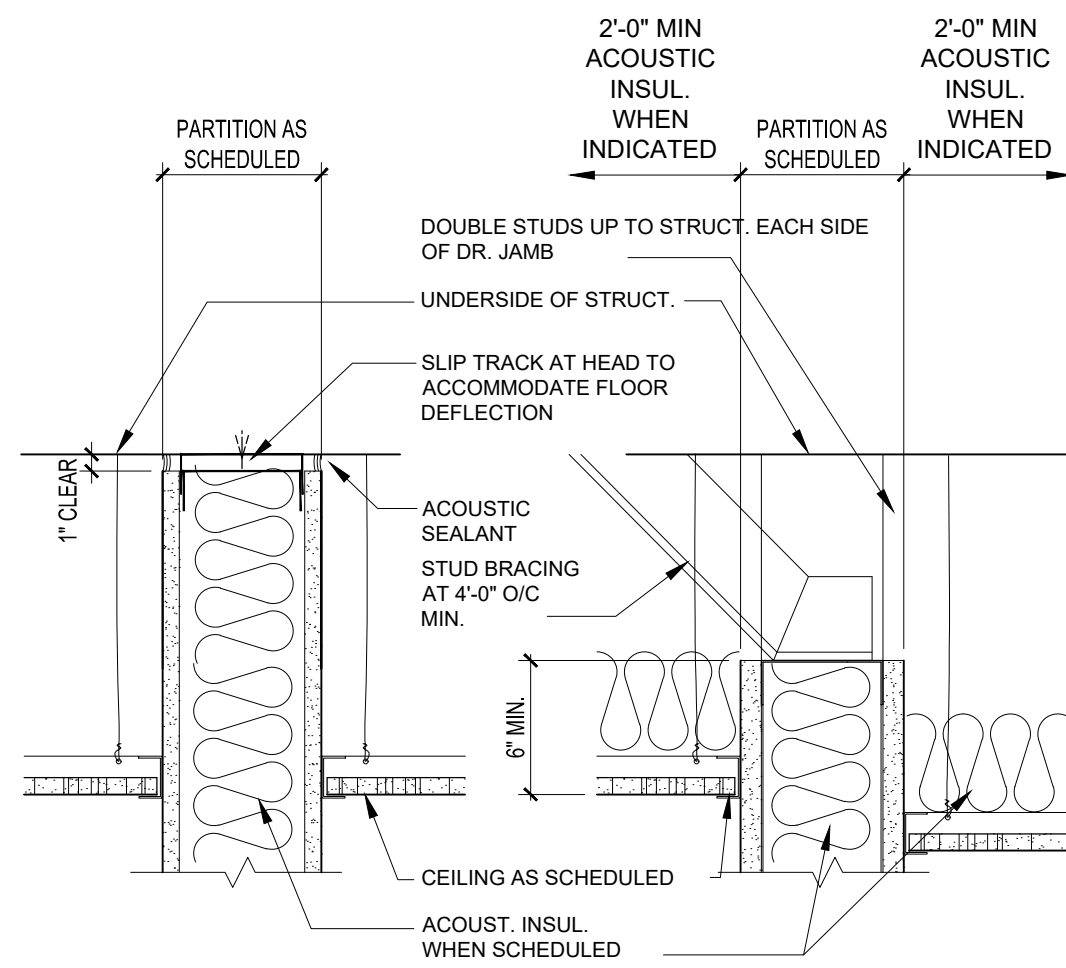
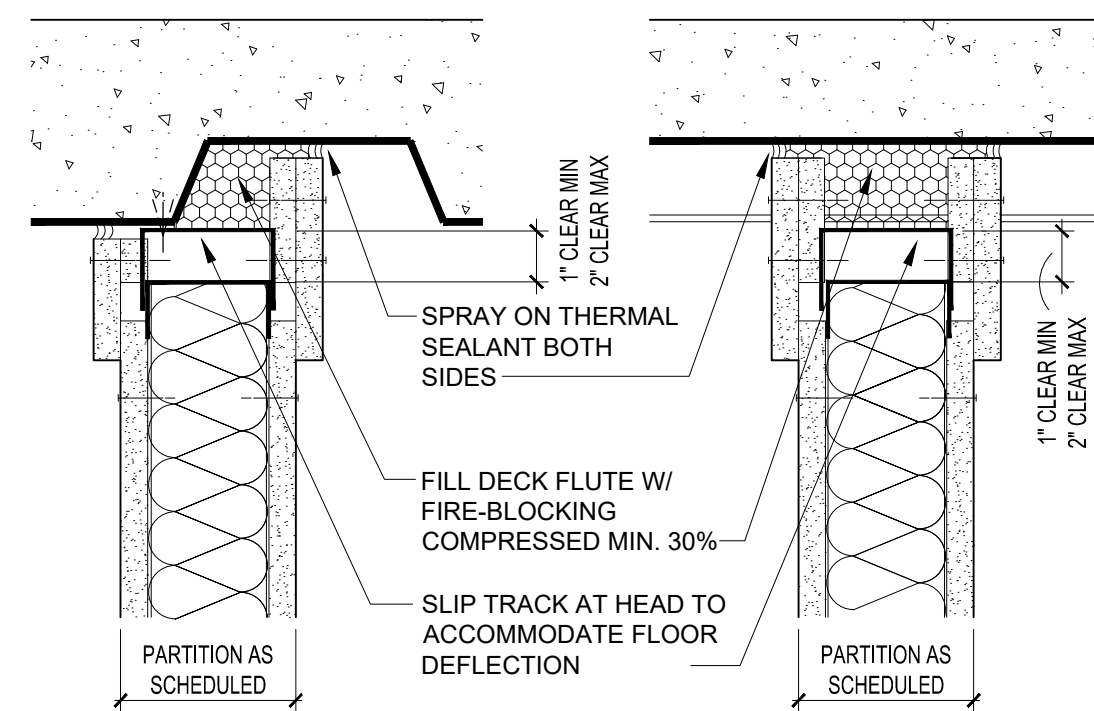
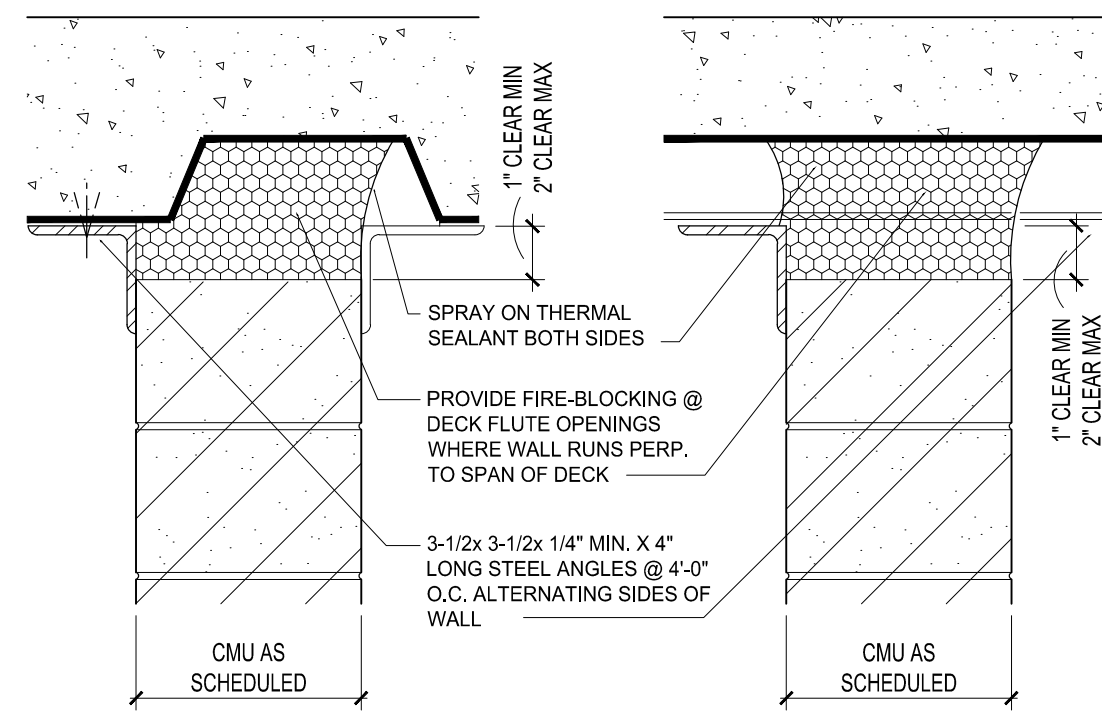
EXISTING BUILDING IS NOT SPRINKLED.

ALTERATION DESCRIPTION:

- INSTALLATION OF NEW OR REPLACEMENT HYDRATION STATIONS WITH DRINKING FOUNTAINS



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



ISSUE DATE	ISSUED FOR
08/08/2025	BIDDING
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CHECKED	FA
APPROVED	FA

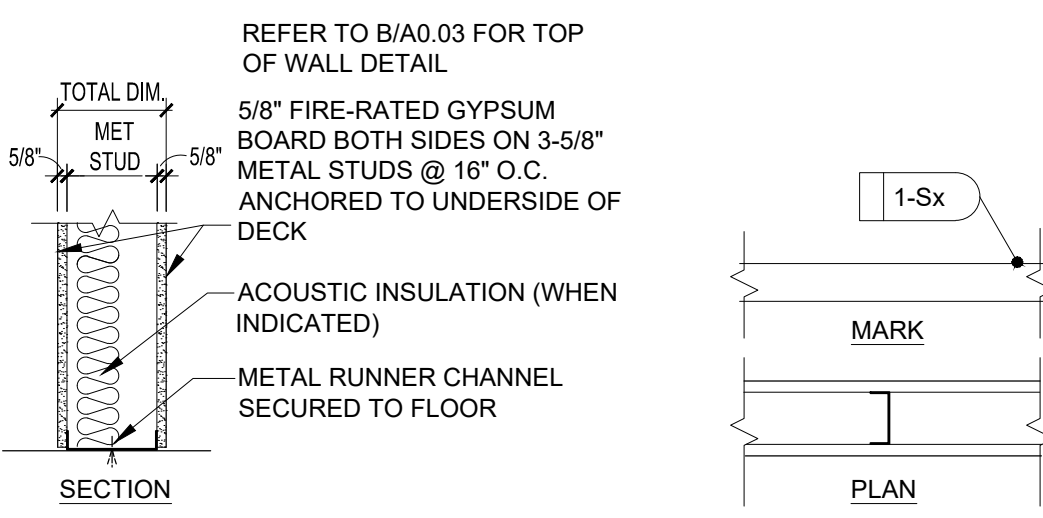
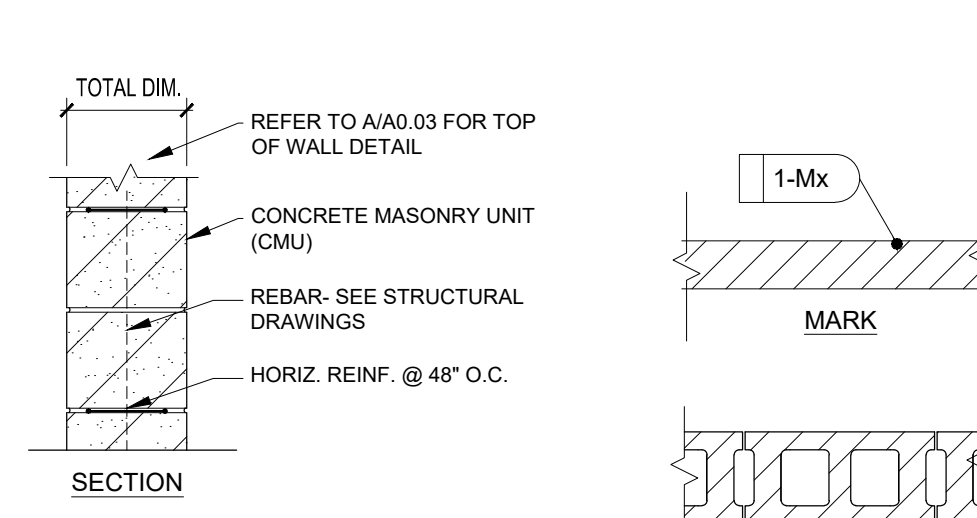
D
A0.03

**TYPICAL NON-RATED
CMU PARTITION CONSTRUCTION**

SCALE: NTS

TYPICAL FIRE-RATED METAL STUD PARTITION CONSTRUCTION

**TYPICAL FIRE-RATED
CMU PARTITION CONSTRUCTION**



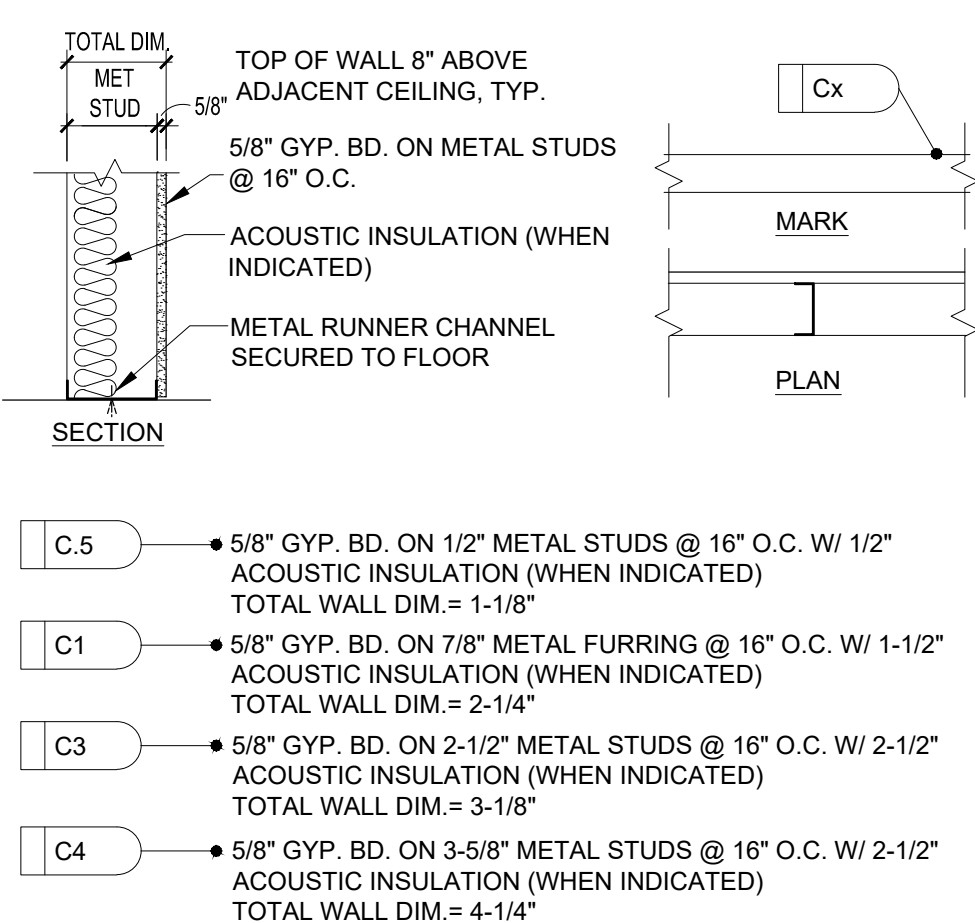
- | | |
|-------|--|
| 2-M6 | <ul style="list-style-type: none"> UL DESIGN NO. U906
6" CMU (NOMINAL DIM.)
TOTAL CMU DIM. = 5-5/8" |
| 2-M8 | <ul style="list-style-type: none"> UL DESIGN NO. U905
8" CMU (NOMINAL DIM.)
TOTAL CMU DIM. = 7-5/8" |
| 2-M10 | <ul style="list-style-type: none"> UL DESIGN NO. U905
10" CMU (NOMINAL DIM.)
TOTAL CMU DIM. = 9-5/8" |
| 2-M12 | <ul style="list-style-type: none"> UL DESIGN NO. U905
12" CMU (NOMINAL DIM.)
TOTAL CMU DIM. = 11-5/8" |

- 1-S4
- UL DESIGN NO. U465
5/8" FIRE-RATED GYP. BD. BOTH SIDES ON 3-5/8" METAL STUDS @ 16" O.C. TO UNDERSIDE OF DECK W/ 2-1/2" ACOUSTIC INSULATION (WHEN INDICATED)
TOTAL WALL DIM = 4-7/8"
- 1-S6
- UL DESIGN NO. U465
5/8" FIRE-RATED GYP. BD. BOTH SIDES ON 6" METAL STUDS @ 16" O.C. TO UNDERSIDE OF DECK W/ 2-1/2" ACOUSTIC INSULATION (WHEN INDICATED)
TOTAL WALL DIM = 7-1/4"
- 1-S8
- UL DESIGN NO. U465
5/8" FIRE-RATED GYP. BD. BOTH SIDES ON 8" METAL STUDS @ 16" O.C. TO UNDERSIDE OF DECK W/ 2-1/2" ACOUSTIC INSULATION (WHEN INDICATED)
TOTAL WALL DIM = 9-1/4"

- 1-M6 ● UL DESIGN NO. U906
6" CMU (NOMINAL DIM.)
TOTAL CMU DIM. = 5-5/8"
- 1-M8 ● UL DESIGN NO. U905
8" CMU (NOMINAL DIM.)
TOTAL CMU DIM. = 7-5/8"
- 1-M10 ● UL DESIGN NO. U905
10" CMU (NOMINAL DIM.)
TOTAL CMU DIM. = 9-5/8"
- 1-M12 ● UL DESIGN NO. U905
12" CMU (NOMINAL DIM.)
TOTAL CMU DIM. = 11-5/8"

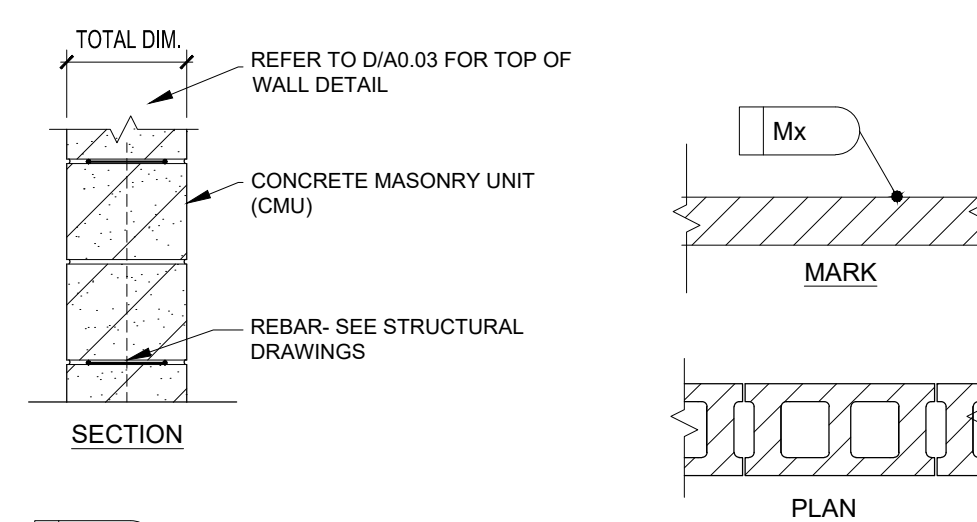
1-S 1-HOUR FIRE-RATED
STUD WALL PARTITION
SCALE: NOT TO SCALE

1-M 1-HOUR FIRE-RATED
CMU PARTITION
SCALE: NOT TO SCALE



- | | |
|---|--|
|  | ● 6" CMU (NOMINAL DIM.)
TOTAL CMU DIM. = 5-5/8" |
|  | ● 8" CMU (NOMINAL DIM.)
TOTAL CMU DIM. = 7-5/8" |
|  | ● 10" CMU (NOMINAL DIM.)
TOTAL CMU DIM. = 9-5/8" |
|  | ● 12" CMU (NOMINAL DIM.)
TOTAL CMU DIM. = 11-5/8" |

- | | |
|----|--|
| S1 | <ul style="list-style-type: none"> 5/8" GYP. BD. BOTH SIDES ON 1-5/8" METAL STUDS @ 16" O.C. W/ 1-1/2" ACOUSTIC INSULATION (WHEN INDICATED) TOTAL WALL DIM. = 2-7/8" |
| S3 | <ul style="list-style-type: none"> 5/8" GYP. BD. BOTH SIDES ON 2-1/2" METAL STUDS @ 16" O.C. W/ 2-1/2" ACOUSTIC INSULATION (WHEN INDICATED) TOTAL WALL DIM. = 3-3/4" |
| S4 | <ul style="list-style-type: none"> 5/8" GYP. BD. BOTH SIDES ON 3-5/8" METAL STUDS @ 16" O.C. W/ 2-1/2" ACOUSTIC INSULATION (WHEN INDICATED) TOTAL WALL DIM. = 4-7/8" |
| S6 | <ul style="list-style-type: none"> 5/8" GYP. BD. BOTH SIDES ON 6" METAL STUDS @ 16" O.C. W/ 2-1/2" ACOUSTIC INSULATION (WHEN INDICATED) TOTAL WALL DIM. = 7-1/4" |
| S8 | <ul style="list-style-type: none"> 5/8" GYP. BD. BOTH SIDES ON 8" METAL STUDS @ 16" O.C. W/ 2-1/2" ACOUSTIC INSULATION (WHEN INDICATED) TOTAL WALL DIM. = 9-1/4" |



- | | |
|-----|--|
| M2 | ● 2" CMU (NOMINAL DIM.)
TOTAL CMU DIM. = 1-5/8" |
| M4 | ● 4" CMU (NOMINAL DIM.)
TOTAL CMU DIM. = 3-5/8" |
| M6 | ● 6" CMU (NOMINAL DIM.)
TOTAL CMU DIM. = 5-5/8" |
| M8 | ● 8" CMU (NOMINAL DIM.)
TOTAL CMU DIM. = 7-5/8" |
| M10 | ● 10" CMU (NOMINAL DIM.)
TOTAL CMU DIM. = 9-5/8" |
| M12 | ● 12" CMU (NOMINAL DIM.)
TOTAL CMU DIM. = 11-5/8" |
| MM | ● INFILL WITH CMU TO
MATCH EXISTING |

C STUD PARTITION (CHASE)
SCALE: NOT TO SCALE

S STUD WALL PARTITION
SCALE: NOT TO SCALE

M CMU PARTITION
SCALE: NOT TO SCALE

| GENERAL NOTES

1. NOT ALL DETAILS ON THIS SHEET WILL BE USED ON THIS PROJECT. DETAILS ARE TYPICAL AND SHALL APPLY WHEN CONSTRUCTION CONDITION EXISTS.
2. REFER TO STANDARD CONSTRUCTION DETAILS, SHEET AO.03 FOR TYPICAL INTERIOR PARTITION CONSTRUCTION INFORMATION AND RATED TOP OF WALL CONSTRUCTION. REFER TO DETAIL PLANS AND PLAN DETAILS FOR SPECIAL PARTITION CONSTRUCTION INFORMATION.
3. REFER TO DETAILS AND ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION REGARDING PARTITION CONSTRUCTION AND WALL FINISH INFORMATION.
4. REFER TO CODE PLANS ON SHEET AO.02 FOR LOCATIONS OF ALL FIRE RATED WALL ASSEMBLIES
5. REFER TO REFLECTED CEILING PLAN FOR LOCATION OF ACOUSTIC INSULATION ABOVE CEILING.
6. RATED WALLS ABOVE THE CEILING LINE SHALL HAVE "FIRE RATED PARTITION" STENCILED UPON IT AT 20" O.C. MAX.

WALL TYPE LEGEND

- | | |
|-----|-------------------------|
| C - | METAL STUD (CHASE WALL) |
| H - | METAL STUD (SHAFT STUD) |
| M - | MASONRY (CMU) |
| S - | METAL STUD |

| INTERIOR PARTITION TYPE CODE

-  X-X — INTERIOR WALL PARTITION CONSTRUCTION THAT EXTENDS TO U/S OF ROOF DECK PER WALL SECTIONS.
-  X-X — INTERIOR WALL PARTITION CONSTRUCTION THAT DOES NOT EXTEND TO DECK.
- GENERAL NOTE:**
- A. PROVIDE / INSTALL SEALANT UNDER PARTITION FLOOR TRACK ALONG BOTH EDGES WHEN ACOUSTIC INSULATION IS INDICATED AND AT ALL FIRE-RATED PARTITIONS.
- B. ACOUSTIC INSULATION IS TO HAVE A MIN. STC RATING OF 50.



FRENCH

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PROJECT

Livonia Public Schools
Hydrstation Stations
Webster Elementary

LIVONIA,
MICHIGAN

SHEET

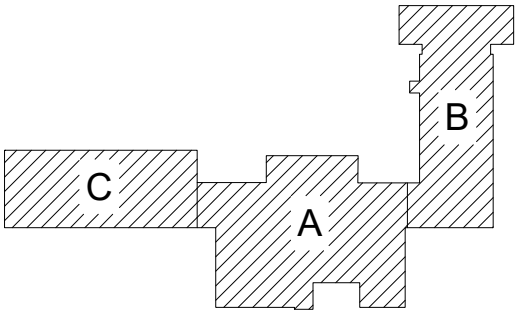
Partition Legend and Details

PROJECT NUMBER

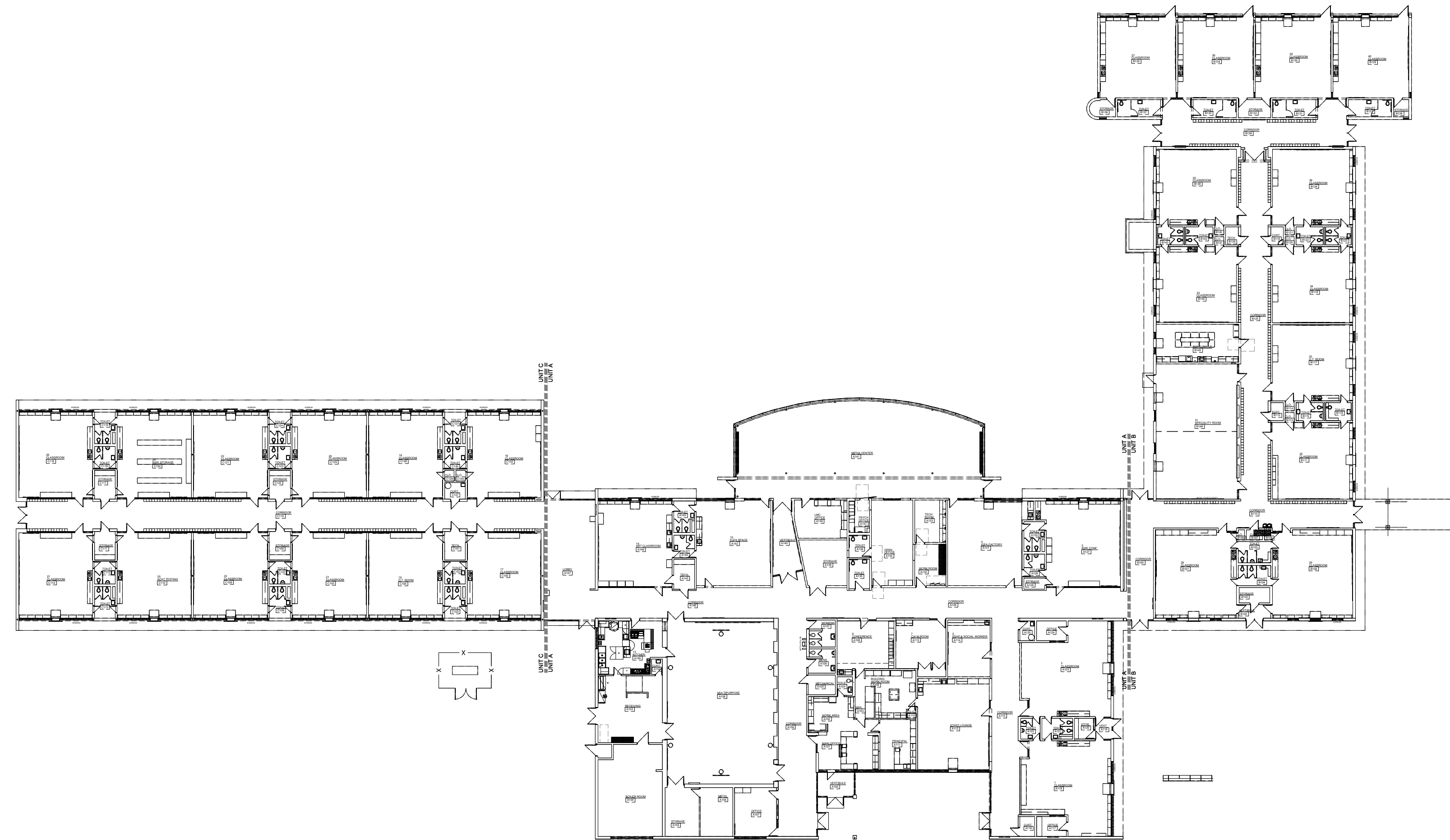
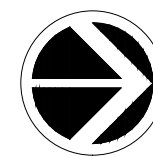
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SHEET NUMBER

A0.03



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COMPOSITE DEMOLITION FLOOR PLAN
SCALE: 1/32" = 1'-0"



FRENCH

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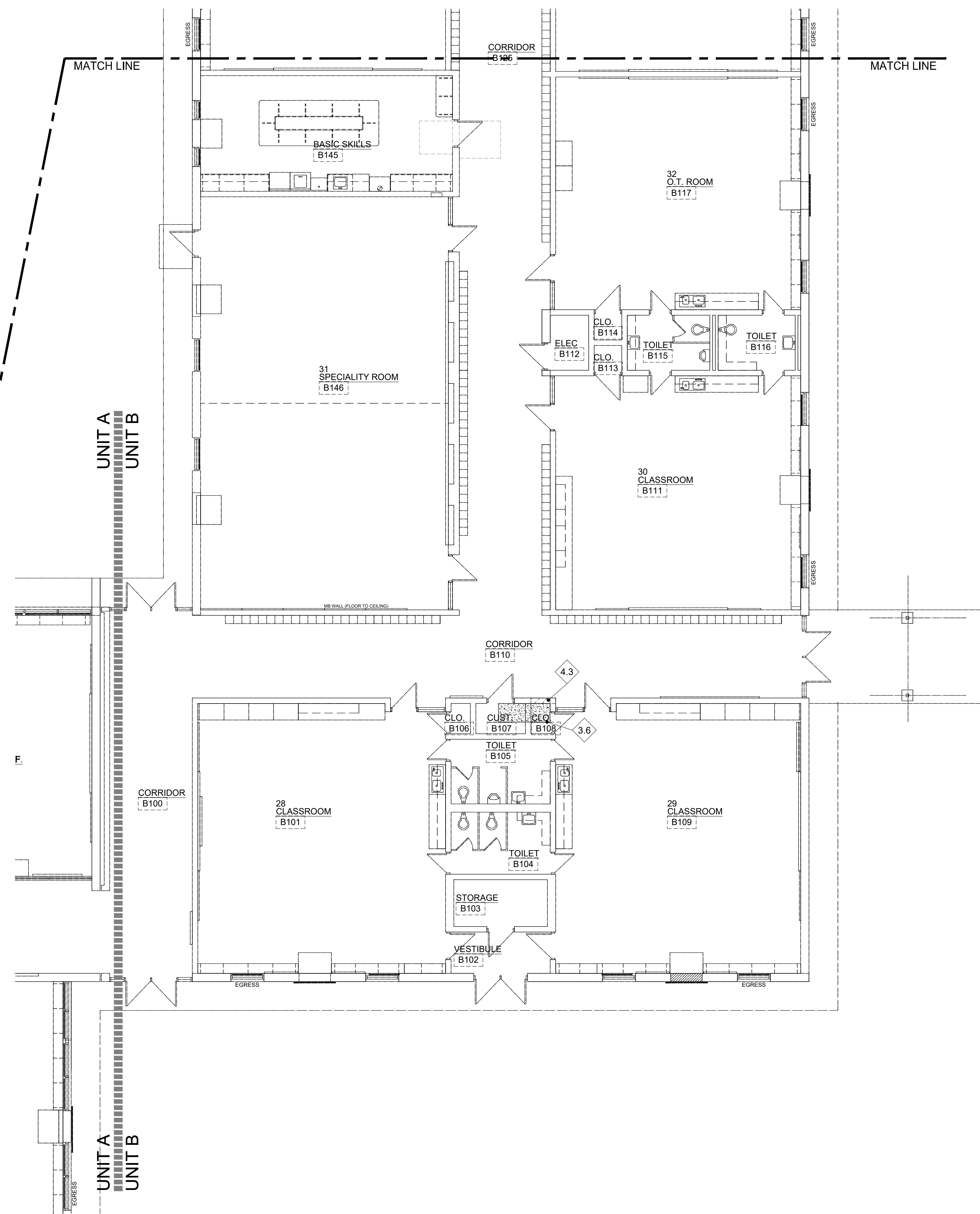
Livonia Public Schools
Hydrstation Stations
Webster Elementary

LIVONIA,
MICHIGAN

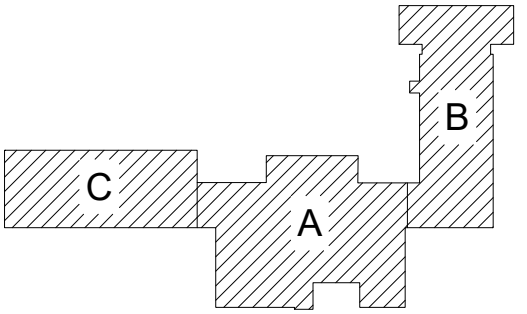
COMPOSITE
DEMOLITION FLOOR
PLAN

2025-040

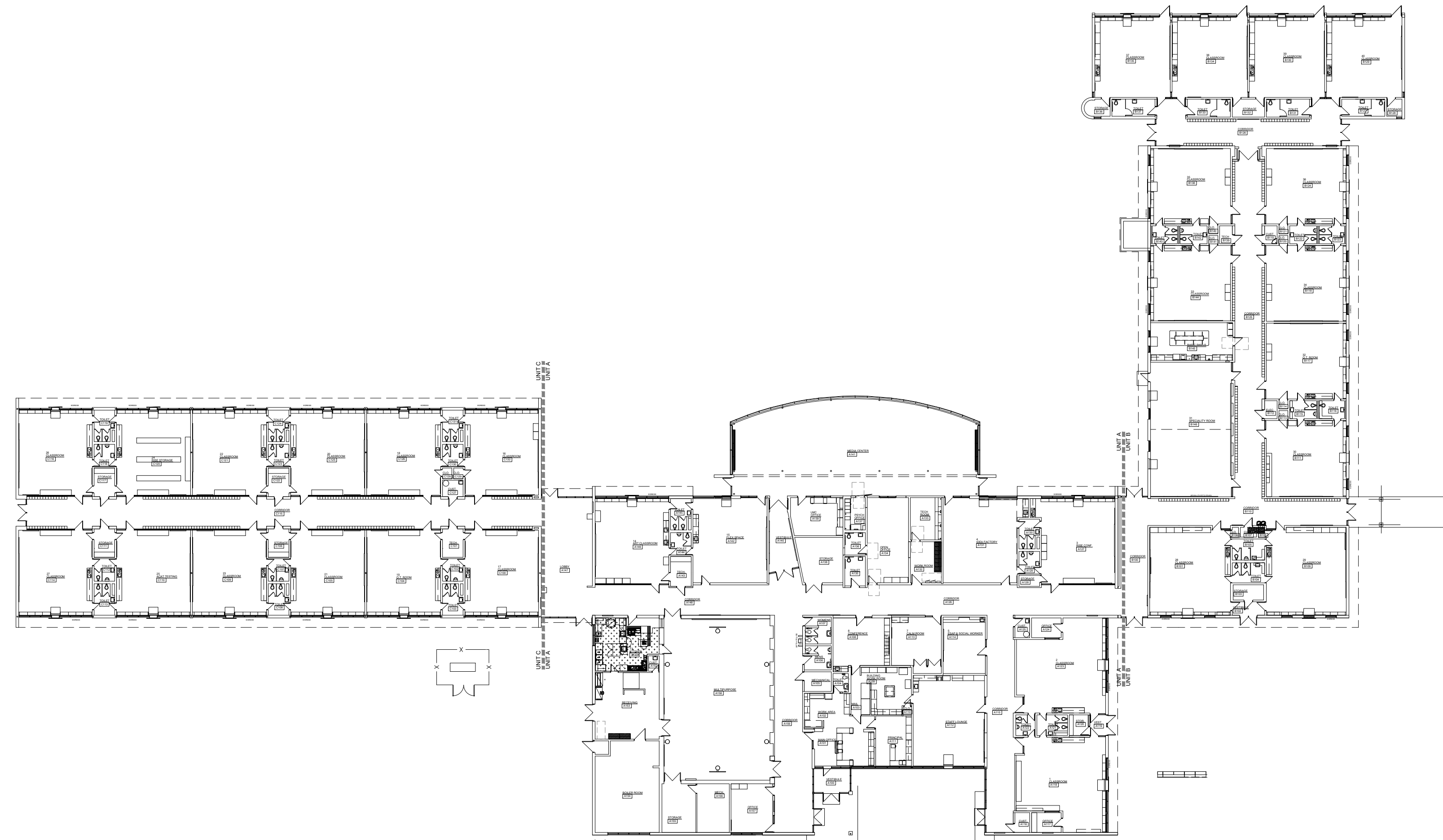
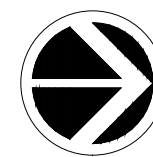
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COMPOSITE FLOOR PLAN
SCALE: 1/32" = 1'-0"



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LIVONIA,
MICHIGAN

SHEET

COMPOSITE FLOOR PLAN

PROJECT NUMBER

2025-040

SHEET NUMBER

A2.01

MATERIAL AND COLOR SCHEDULE

[illegible]

ROOM FINISH SCHEDULE

	RM. NO.	ROOM NAME	FLOOR		BASE		WALLS								DOOR FRAME	CEILING			MILLWORK/ CASEWORK		REMARKS
			MAT.	FINISH	MAT.	FINISH	NORTH		EAST		SOUTH		WEST			M/C	FINISH				
							MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH							
UNIT A	A124	OFFICE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		
	A125	CUST.	-	-	EX/RB	EX/B1	EX/CMU	EXPISG-A	-	-	-	-	-	-	-	-	-	-	2		
	A126	CORRIDOR	-	-	EX/RB	EX/B1	-	-	-	-	EX/CMU	EXPISG-A, PISG-B, PISG-C	-	-	-	-	-	-	1		

ROOM FINISH SCHEDULE

	RM. NO.	ROOM NAME	FLOOR		BASE		WALLS								DOOR FRAME	CEILING			MILLWORK/ CASEWORK		REMARKS
			MAT.	FINISH	MAT.	FINISH	NORTH		EAST		SOUTH		WEST			M/C	FINISH				
							MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH				MAT.	FINISH		
UNIT B	B108	CLO.	EXVCT	EXVCT1	EXRB	EX/B1	CMU	PISG-A	-	-	-	-	-	-	-	-	-	-	-	23	
	B110	CORRIDOR	-	-	EXRB	EX/B1	-	-	-	-	EXCMU	EXPISG-A, PISG-B, PISG-C	-	-	-	-	-	-	1		

ROOM FINISH SCHEDULE ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	EPXY	EPOXY	PLAM	PLASTIC LAMINATE	SS	STAINLESS STEEL
ANOD	ANODIZED	EX	EXISTING	PLAS	VENEER PLASTER	SSM	SOLID SURFACE MATERIAL
B CMU	BURNISHED CMU	EXPO	EXPOSED	PT	PORCELAIN TILE	SP CMU	SPLIT FACE CMU
BRICK	BRICK	GL	GLASS	PTD	PAINTED	SP	SPORTS IMPACT
CMU	CONCRETE MASONRY UNIT	GCMU	GLAZED CMU	QT	QUARRY TILE	SV	SHEET VINYL
CONC	CONCRETE	GYP	GYPSUM BOARD	RBF	RUBBER TILE	TER	TERRAZZO
CPL	CEMENT PLASTER	MP	METAL PANEL	RB	RESILIENT WALL BASE	VCT	VINYL COMPOSITION TILE
CPT	CARPET	PARTN	MOVEABLE PARTITION	SAAC	SPRAY-APPLIED ACOUSTICAL COATING	WP	WATERPROOF
CT	CERAMIC TILE			SEAL	CONCRETE SEALER		

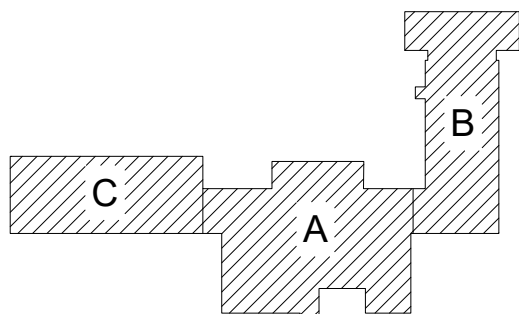
ROOM FINISH SCHEDULE GENERAL NOTES

A.	PAINING OF EXISTING WALLS- REMOVE ALL EXISTING CLOCKS, SPEAKERS, SWITCH PLATE COVERS, OUTLET COVERS, THERMOSTATS, DIFFUSERS, GRILLES, REGISTERS, BLINDS, SHADES, EQUIPMENT, MARKERBOARDS, TACKBOARDS, ARTWORK AND OTHER MATERIALS PRIOR TO PAINTING AND RE-INSTALL IN THE SAME LOCATION AFTER PAINTING IS COMPLETE. PAINT ANY ITEMS THAT ARE CURRENTLY THE SAME COLOR AS THE EXISTING WALL. PAINT EXISTING CONDUIT TO MATCH THE WALL. PROTECT EXISTING FIRE ALARM DEVICES TO REMAIN IN PLACE.
B.	REFER TO A7 & A9 SERIES SHEETS FOR PAINT DESIGNATIONS.
C.	REFER TO A9 SERIES SHEETS FOR FLOOR PATTERNS.
D.	PROVIDE RADIUS EDGE AT COUNTERTOPS.
E.	DO NOT PAINT OVER EXISTING MURALS, LETTERS, QUOTES, ETC. UNLESS NOTED OTHERWISE OR DIRECTED BY OWNER.
F.	DO NOT PAINT OVER ANY EXISTING EXPOSED BRICK OR SPLIT FACED CMU UNLESS NOTED OTHERWISE OR DIRECTED BY OWNER.
G.	ALL AREAS OF PEELING MUST BE REMOVED TO A SOUND SUBSTRATE AND CLEANED REMOVING ANY OILS, GREASE OR OTHER SOLUBLE CONTAMINANTS.
H.	WALL BASE TO BE INSTALLED AROUND ALL NEW CASEWORK.
I.	PROVIDE TRANSITION STRIPS AT ALL FLOORING MATERIAL CHANGES UNLESS NOTED OTHERWISE.

ROOM FINISH SCHEDULE REMARKS

1.	PATCH AND PAINT WALL AND INSTALL NEW WALL BASE AS REQUIRED FOR NEW HYDRATION STATIONS - MATCH EXISTING WALL STRIPE
2.	PATCH AND PAINT WALL AND INSTALL NEW WALL BASE AS REQUIRED FOR NEW WORK
3.	PATCH FLOORING AS REQUIRED FOR NEW WORK - INSTALL NEW WALL BASE AS REQUIRED, MATCH EXISTING

KEY PLAN



ISSUE DATE	ISSUED FOR
08/08/2025	BIDDING
DRAWN	GRS
CHECKED	AMN
APPROVED	DCJ



FRENCH

2851 High Meadow Circle | Suite 100
Auburn Hills | MI 48326
248.656.1377

PROJECT

Livonia Public Schools
Hydrstation Stations
Webster Elementary

LIVONIA,
MICHIGAN

SHEET

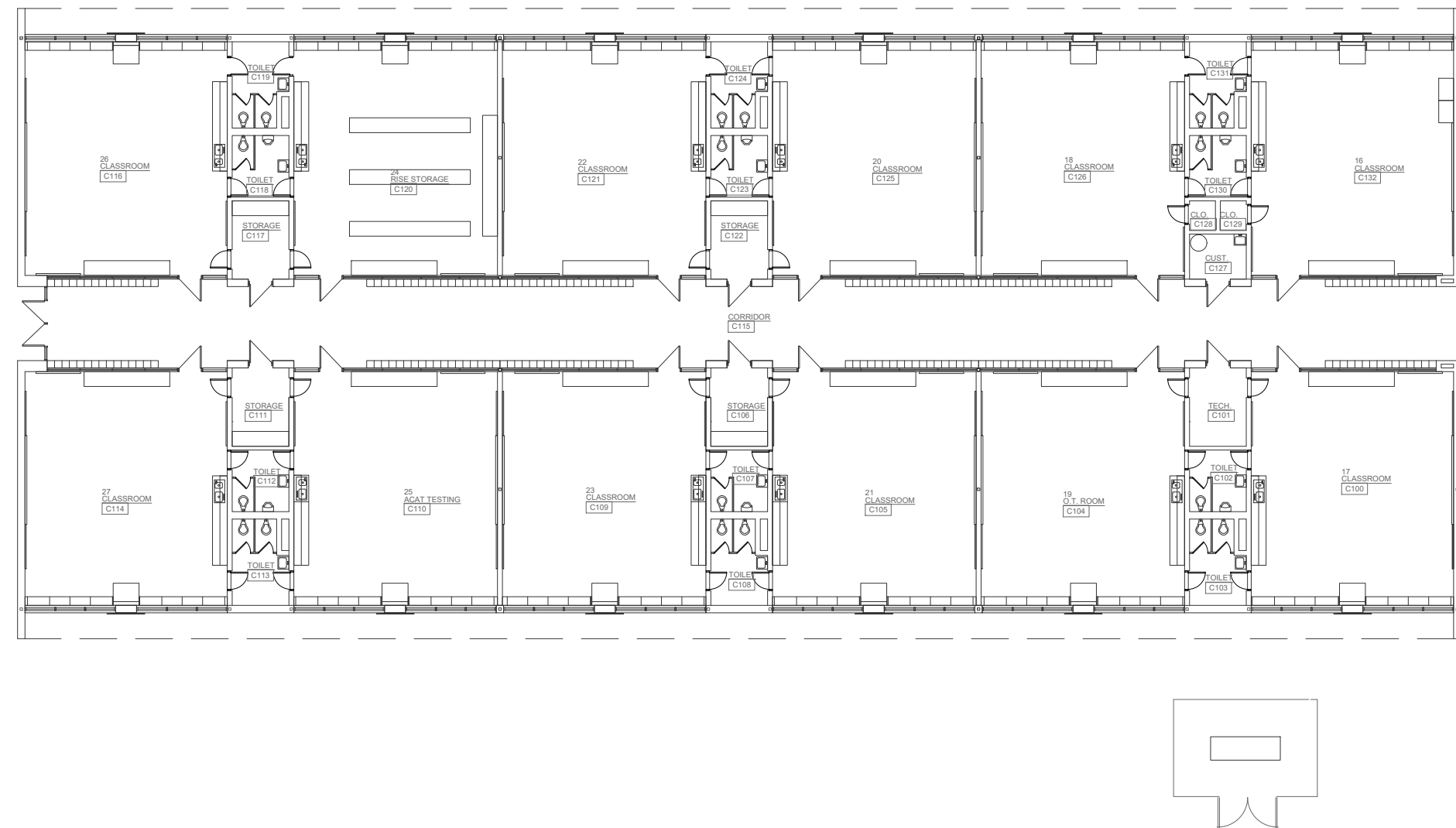
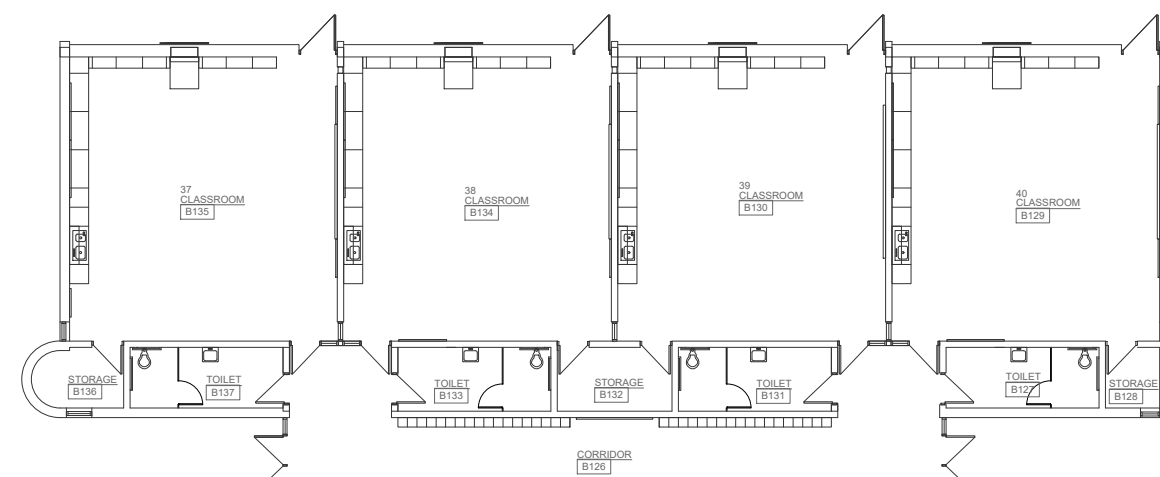
ROOM FINISH SCHEDULE

PROJECT NUMBER

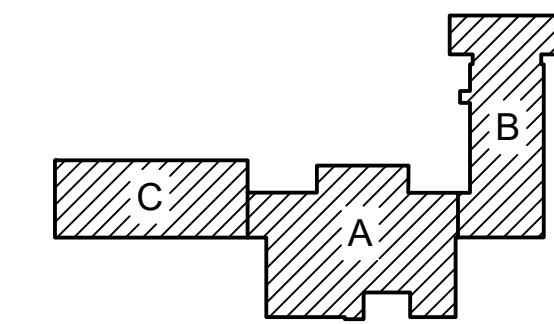
2025-040

SHEET NUMBER

A3.02A



PLUMBING GENERAL NOTES	
A	THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF WORK TO BE PERFORMED. THE EXACT EXTENT OF DEMOLITION SHALL BE DETERMINED BY THE NEW WORK.
B	ANY INTERRUPTIONS OF EXISTING SERVICES AND/OR EQUIPMENT SHALL BE PERFORMED AT A TIME APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE SO AS NOT TO INTERFERE WITH THE PRESENT BUILDING'S OPERATION.
C	PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING SITE CONDITIONS, SYSTEMS, AND UTILITIES. NOTIFY DESIGN PROFESSIONAL OF ANY INTERFERENCES OR DISCREPANCIES.
D	ALL ITEMS INDICATED WITH CROSS-HATCHING SHALL BE REMOVED COMPLETELY WITH ALL RELATED ITEMS INCLUDING HANGARS, SUPPORTS, INSULATION, CONTROLS, ETC. CAP ALL OPEN ENDED PIPES AND DUCTS.
E	THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL EQUIPMENT BEING REMOVED. ALL ITEMS REMOVED SHALL BE LEGALLY DISPOSED OF. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING RELOCATED AND OWNER PROVIDED EQUIPMENT.
F	VERIFY DEPTH, SIZE, LOCATIONS, AND CONDITIONS OF EXISTING UTILITIES IN THE FIELD. INCLUDING POINTS OF CONNECTION PRIOR TO STARTING ANY WORK.
G	ALL ITEMS ON DEMOLITION PLAN SHALL BE CONSIDERED EXISTING UNLESS OTHERWISE NOTED. ALL WORK INDICATED ON PLANS HAS BEEN LOCATED PER EXISTING DRAWINGS AND/OR FIELD OBSERVATION AND REQUIRES FIELD VERIFICATION.
H	ALL EXISTING WORK TO REMAIN SHALL BE PROTECTED FROM DAMAGE. WHERE DUCT WORK PIPE INSULATION HAS BEEN DAMAGED DURING DEMOLITION, THE CONTRACTOR SHALL REPAIR INSULATION AS REQUIRED TO MATCH EXISTING.
J	INSTALL ALL SANITARY AND STORM PIPING 2 1/2" OR LESS AT 1/4" PER FOOT AND 3" AND LARGER PIPING AT 1/8" PER FOOT MINIMUM UNLESS NOTED OTHERWISE. MINIMUM UNDERGROUND PIPE SIZE SHALL BE 3".
K	PROVIDE "INLINE" WATERLESS PRIMER TRAP SEAL PROTECTION ON ALL FLOOR DRAINS AND TRAPS SUBJECT TO EVAPORATION.
L	AT EACH CONNECTION OF GAS SUPPLY TO EQUIPMENT, PROVIDE A PIPE UNION, GAS SHUT OFF VALVE, TEE, AND 6" LONG DIRT LEG WITH CAP.
M	THE CEILING SPACE IS USED AS A RETURN AIR PLENUM. NO PLASTIC MATERIALS INCLUDING PVC PIPING, CONDUIT WIRING, ETC. SHALL BE USED. ALL MATERIALS TO BE USED ARE TO BE PLENUM RATED.



FRENCH

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**UNIFIED BUILDING
SYSTEMS ENGINEERING**

69 S. GRATIOT AVE.
INT. CLEMENS, MI 48043
UBS PROJECT 029.25.08 - WB

LIVONIA,
MICHIGAN

PROJECT NUMBER

2025-040.0

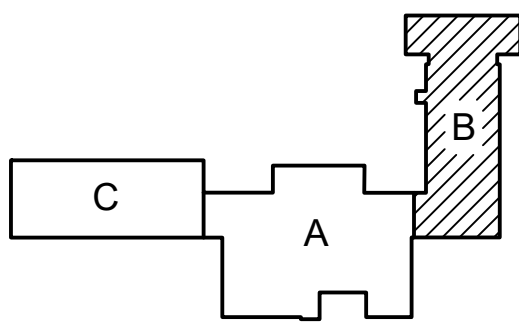
SHEET NUMBER

P1.00



PLUMBING GENERAL NOTES	
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K	PROVIDE "INLINE" WATERLESS PRIMER TRAP SEAL PROTECTION ON ALL FLOOR DRAINS AND TRAPS SUBJECT TO EVAPORATION.
L	AT EACH CONNECTION OF GAS SUPPLY TO EQUIPMENT, PROVIDE A PIPE UNION, GAS SHUT OFF VALVE, TEE, AND 6" LONG DIRT LEG WITH CAP.
M	THE CEILING SPACE IS USED AS A RETURN AIR PLENUM, NO PLASTIC MATERIALS INCLUDING PVC PIPING, CONDUNIT VENTING, ETC. SHALL BE USED. ALL MATERIALS TO BE USED ARE TO BE PLENUM RATED.

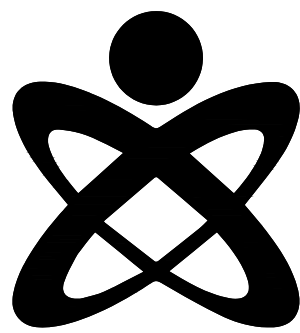
NEW WORK KEYED NOTES	
1	EXTEND 1/2" CW, 1 1/2" V, AND 1 1/2" SAN FROM PIPING IN WALL AND CONNECT TO ELECTRIC WATER COOLER. TERMINATE WITH STOPS. REMOVE BLOCK WALL AND SAW CUT FLOOR AS REQUIRED FOR INSTALLATION. SEE ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
2	EXTEND 1/2" CW, 1 1/2" V, AND 1 1/2" SAN FROM PIPING IN WALL AND CONNECT TO TWO ELECTRIC WATER COOLER. TERMINATE WITH STOPS. REMOVE BLOCK WALL AND SAW CUT FLOOR AS REQUIRED FOR INSTALLATION. SEE ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.



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SYSTEMS ENGINEERING
69 S. GRATIOT AVE.
MT. CLEMENS, MI 48043
UBS PROJECT 029.25.08 - WB

PROJECT

Livonia Public Schools
Hydration Stations
Webster Elementary

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ENLARGED PLUMBING NEW WORK PLANS

PROJECT NUMBER

2025-040.0

SHEET NUMBER

P4.10

PLUMBING FIXTURE SCHEDULE								
TAG	BARRIER FREE	ITEM	PIPE CONNECTION SIZES				MANUFACTURER & MODEL NO.	ACCESSORIES
			WASTE	VENT	CW	HW		
EW-C-1	Y	ELECTRIC WATER COOLER WITH BOTTLE FILLER	1 1/2"	1 1/2	1/2"	-	ELKAY: L2S8WSLP	FIXTURE TO BE PROVIDED BY OWNER. CONTRACTOR TO PROVIDE CANE APRON ELKAY: LKAPREZL

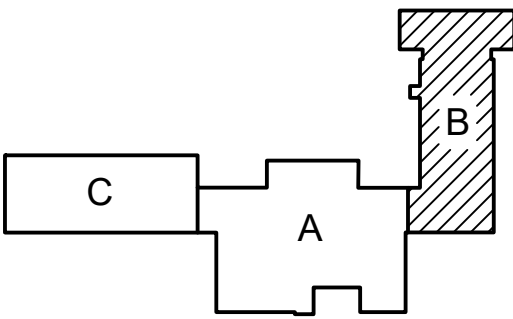
NOTES:

1. PROVIDE ALL ACCESSORIES NECESSARY FOR COMPLETE AND OPERABLE INSTALLATION.
2. ALL FIXTURES SHALL MEET MICHIGAN DEPT. OF PUBLIC HEALTH REQUIREMENTS, AND SHALL BE SUITABLE FOR FOOD PREPARATION AREAS.



POWER GENERAL NOTES	
A	THESE DRAWINGS ARE DIAGRAMMATIC AND REPRESENT THE GENERAL EXTENT OF THE WORK TO BE PERFORMED. PROVIDE AND EXECUTE ALL HVAC SYSTEMS PER ENGINEER'S SPECIFICATION, AND LOCAL APPLICABLE CODES INCLUDING AMENDMENTS, BULLETINS, ETC. AS WELL AS THE STANDARDS OF INSTALLATION AND EQUIPMENT ESTABLISHED FOR THE BUILDINGS, AND REQUIREMENTS OF THE OWNER.
B	EXCEPT FOR CHANGES AS MAY BE SPECIFICALLY APPROVED BY THE ENGINEER OF RECORD, IN ACCORDANCE WITH ALTERNATES OF OPTIONS AS STATED HEREINAFTER, ALL WORK MUST BE IN FULL ACCORDANCE WITH THE INTENT OF THE PLANS AND SPECIFICATIONS. SYSTEMS ARE TO BE COMPLETE, EFFICIENT, AND SATISFACTORY OPERATION WHEN PROJECT IS DELIVERED TO THE OWNER.
D	CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVAL FROM GOVERNING AUTHORITIES AND FILE NECESSARY FORMS, PAY ALL INSPECTION FEES.
E	ELECTRICAL CONTRACTOR SHALL COMPLY WITH THE LATEST NATIONAL ELECTRICAL CODE, LIFE SAFETY CODE AND APPLICABLE STATE AND LOCAL CODES AND ORDINANCES.
F	ELECTRICAL EQUIPMENT AND WIRING SHALL BE NEW AND SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED.
G	WIRING SHALL BE IN CONDUIT. CONDUIT SHALL BE 3/4" CONDUIT MINIMUM. CONDUITS IN FINISHED AREAS SHALL BE CONCEALED
H	NEW WIRES SHALL BE TYPE THHN. MINIMUM SIZE SHALL BE #12 AWG, UNLESS OTHERWISE NOTED. FINAL CONNECTIONS TO EQUIPMENT, FURNISHED AND INSTALLED BY OTHERS, SHALL BE PROVIDED BY THIS CONTRACTOR.

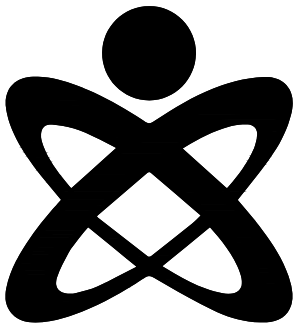
NEW WORK KEYED NOTES	
1	RUN NEW WIRE AND CONDUIT FOR NEW DRINKING FOUNTAIN GFCI RECEPTACLE. RECEPTACLE SHALL BE READILY ACCESSIBLE. CIRCUIT TO EXISTING SPARE 20A BREAKER AS SHOWN



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PROJECT _____

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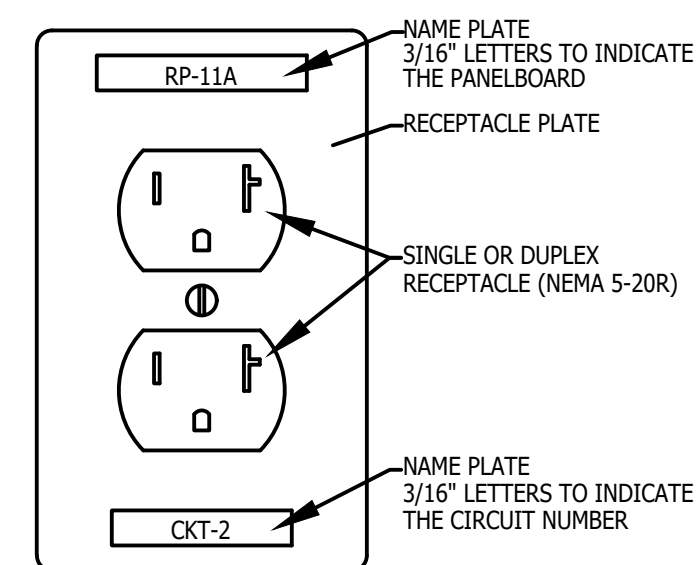
ENLARGED ELECTRICAL POWER NEW WORK PLANS

PROJECT NUMBER

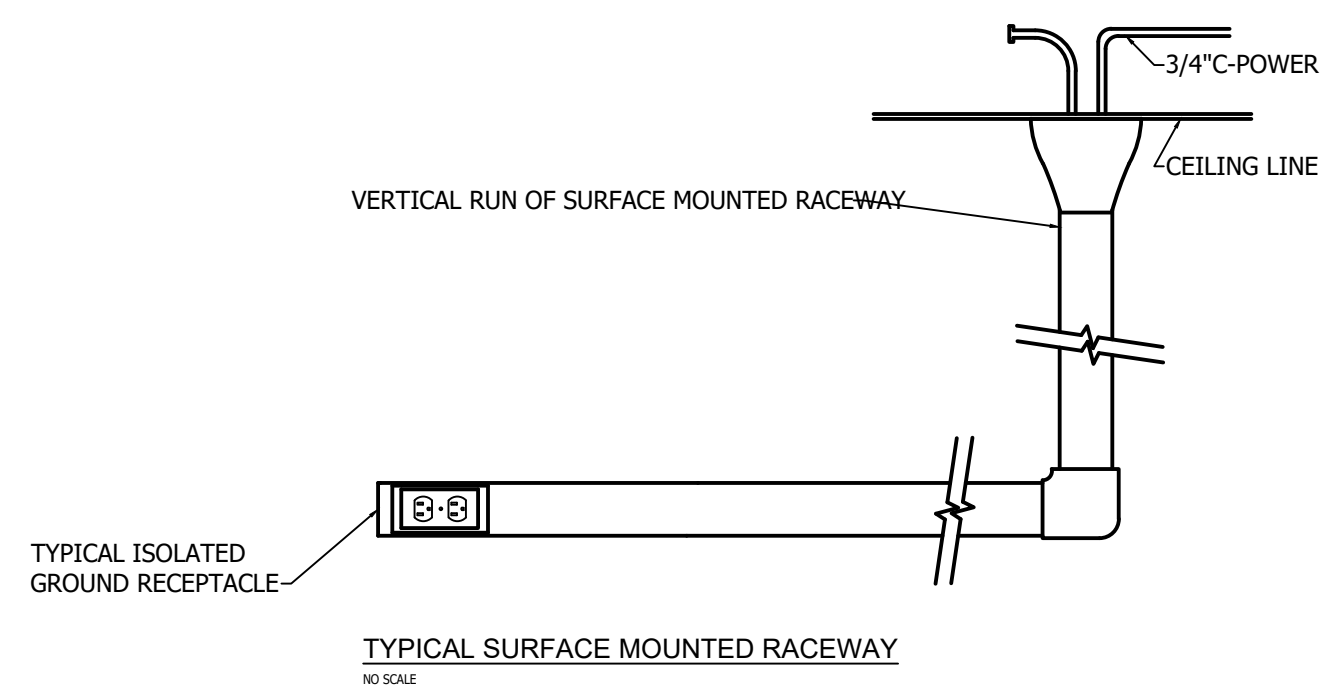
2025-040.0

SHEET NUMBER

E4.10

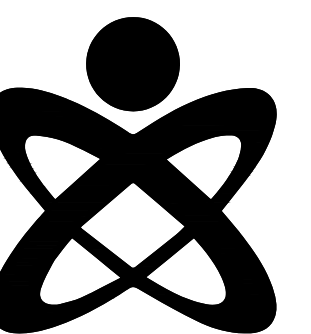


1 DETAIL OF BRANCH CIRCUIT NUMBER
ON RECEPTACLE PLATE
NO SCALE



- NOTES:
1. SURFACE RACEWAY SHALL BE V2000 TYPE
W/ MATCHING BRACKET, COVER, PLATES ETC.
FOR A COMPLETE SYSTEM. (OR EQUAL BY WIREMOLD)
 2. SURFACE RACEWAY EQUIPMENT AND POWER OUTLETS SHALL
BE PROVIDED BY ELECTRICAL CONTRACTOR.
 3. MOUNT SURFACE RACEWAY 24" A.F.F.

2 V2000 SURFACE MOUNTED RACEWAY DETAIL



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Hydration Stations Webster Elementary

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ELECTRICAL DETAILS

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E5.00