

LIVONIA PUBLIC SCHOOLS

CLEVELAND ELEMENTARY SCHOOL
HYDRATION STATIONS

LIVONIA MICHIGAN
PROJECT NO. 2025-040

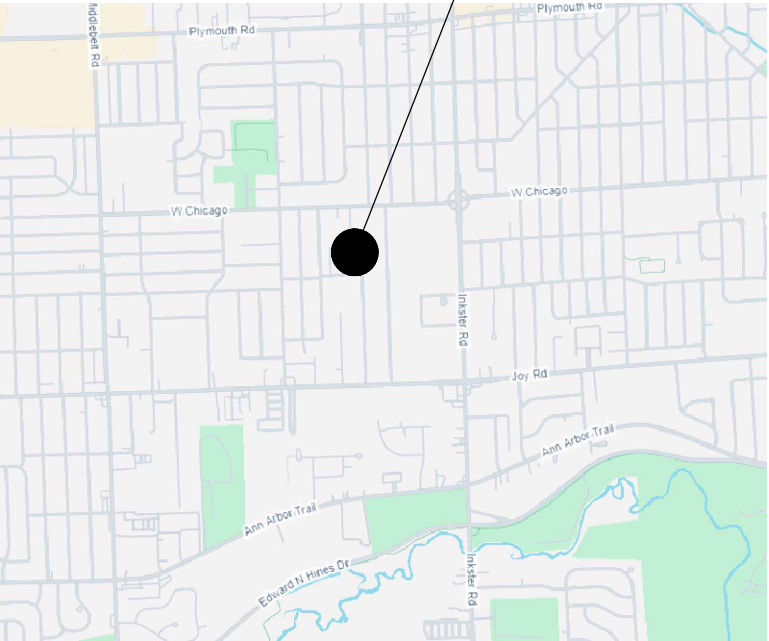
August 8th, 2025 BID SET



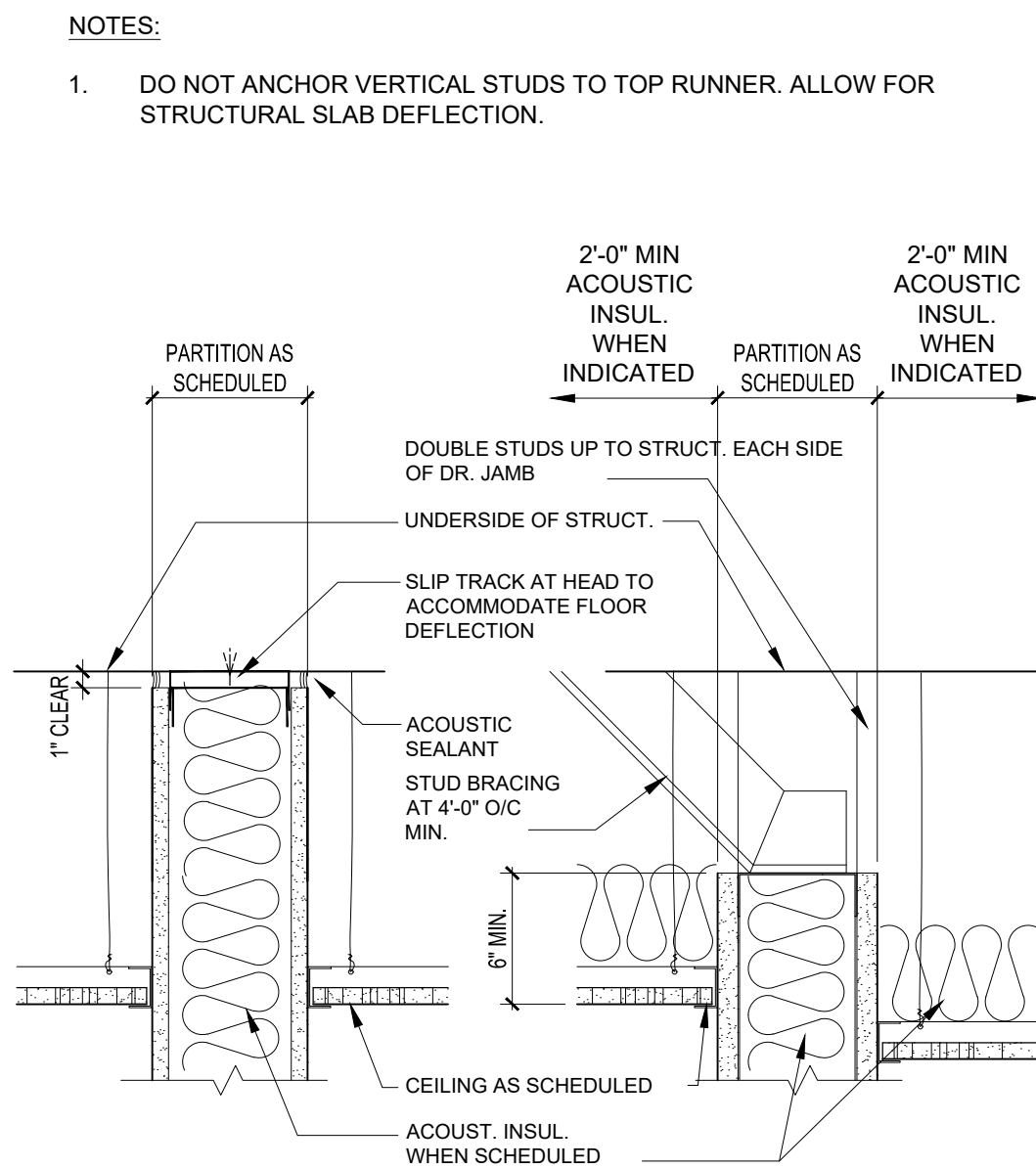
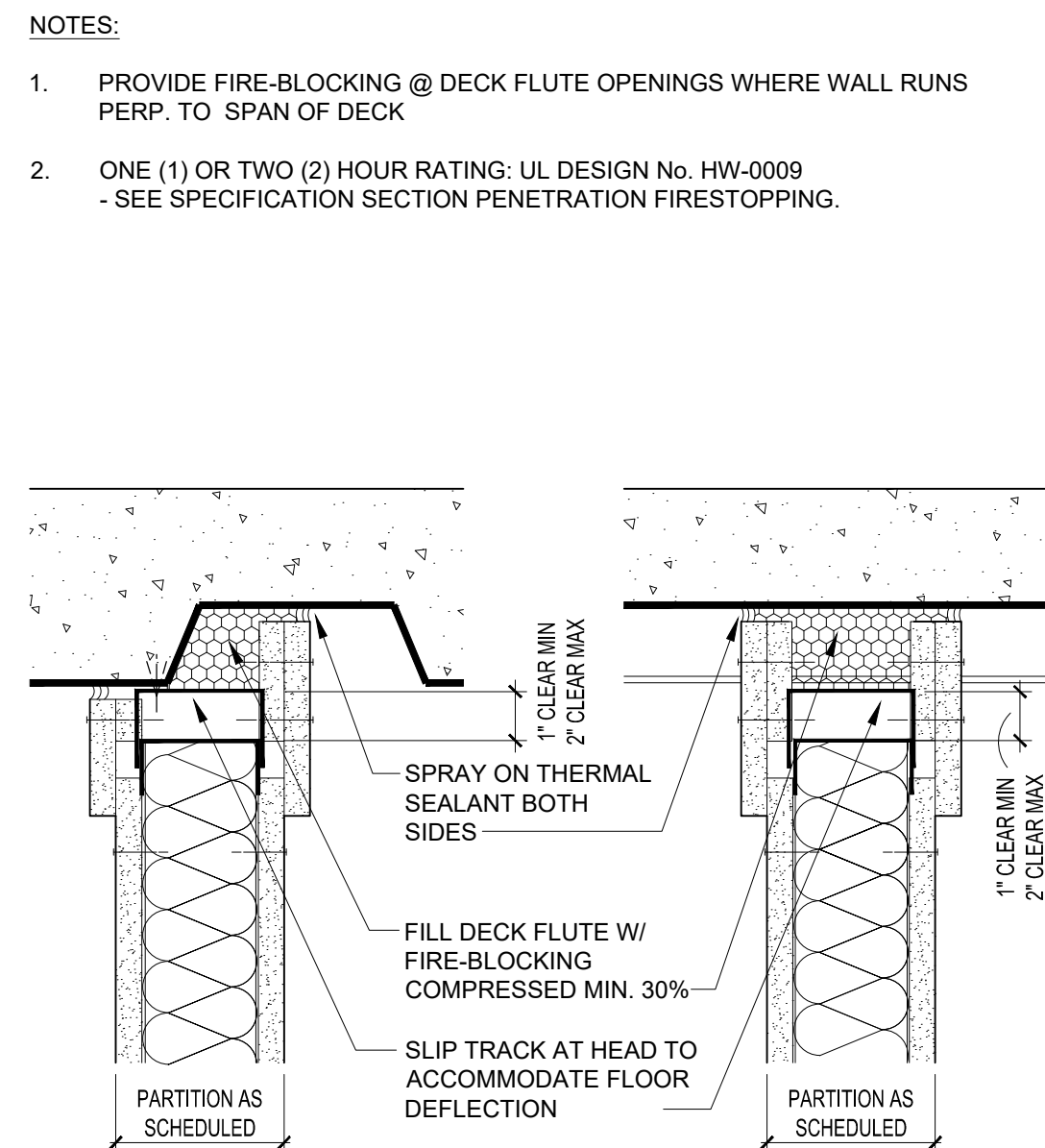
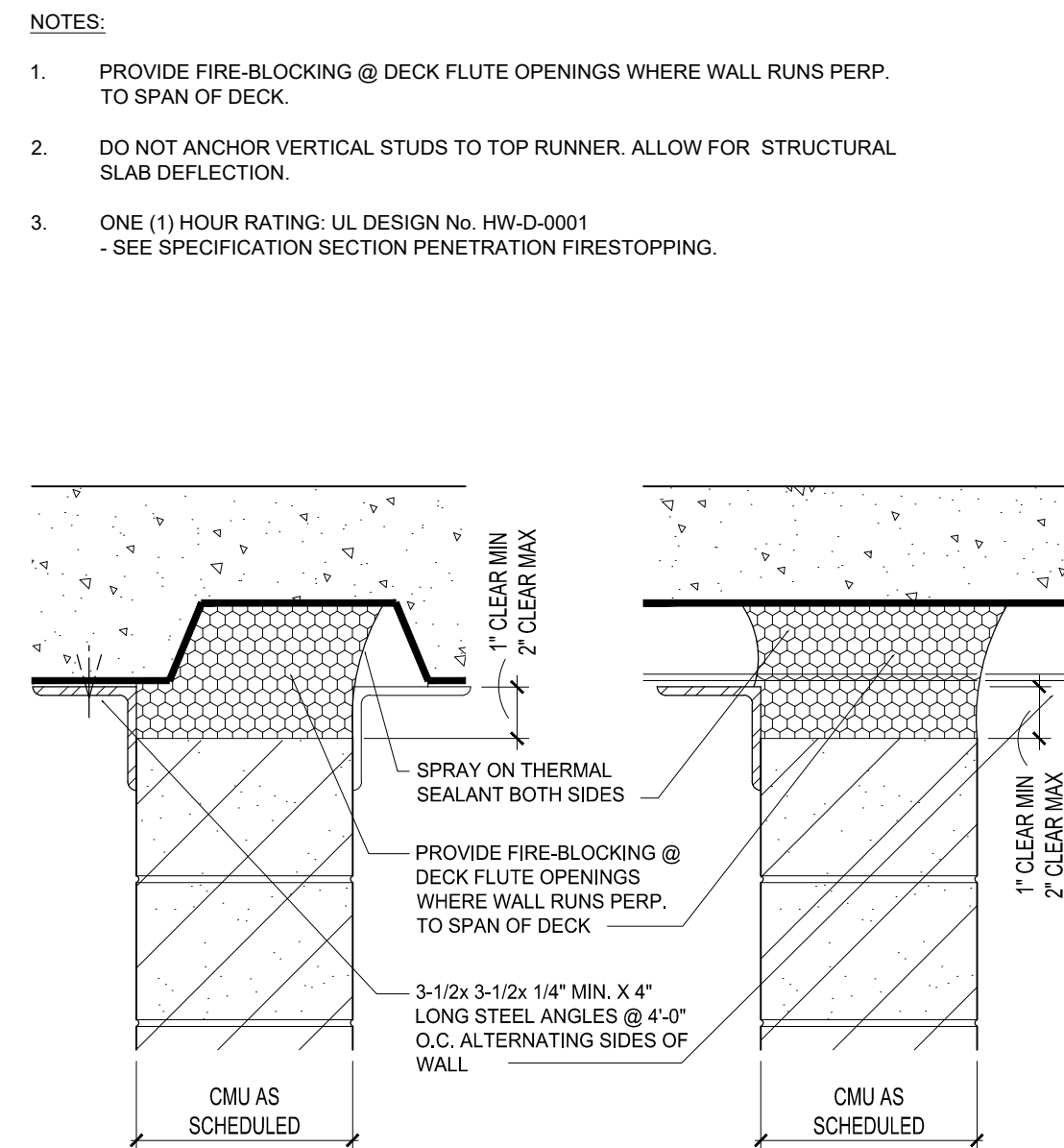
LIST OF DRAWINGS

ARCHITECTURAL		MECHANICAL		ELECTRICAL	
A0.01	ARCHITECTURAL REFERENCE SHEET	P0.00	PLUMBING GENERAL INFORMATION	E0.00	ELECTRICAL GENERAL INFORMATION
A0.02	CODE PLAN			E1.00	COMPOSITE ELECTRICAL FLOOR PLAN
A0.03	PARTITION LEGEND	P1.00	COMPOSITE PLUMBING FLOOR PLAN	E4.10	ENLARGED ELECTRICAL POWER NEW WORK PLAN
AD2.00	GENERAL DEMOLITION NOTES AND DETAILS	P4.10	ENLARGED PLUMBING NEW WORK PLAN	E5.00	ELECTRICAL DETAILS
AD2.01	COMPOSITE DEMOLITION FLOOR PLAN				
AD2.10C	UNIT C DEMOLITION FLOOR PLAN				
A2.01	COMPOSITE FLOOR PLAN				
A2.10C	UNIT C FLOOR PLAN				
A3.02A	ROOM FINISH SCHEDULE				
A9.10C	UNIT C FLOOR FINISH PLAN				

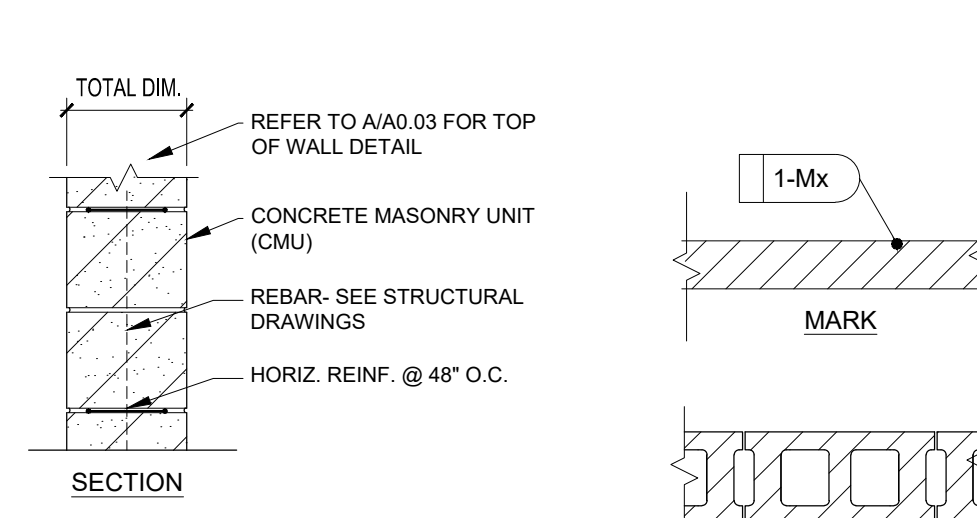
28030 CATHEDRAL ST, LIVONIA, MI 48150



© GOOGLE

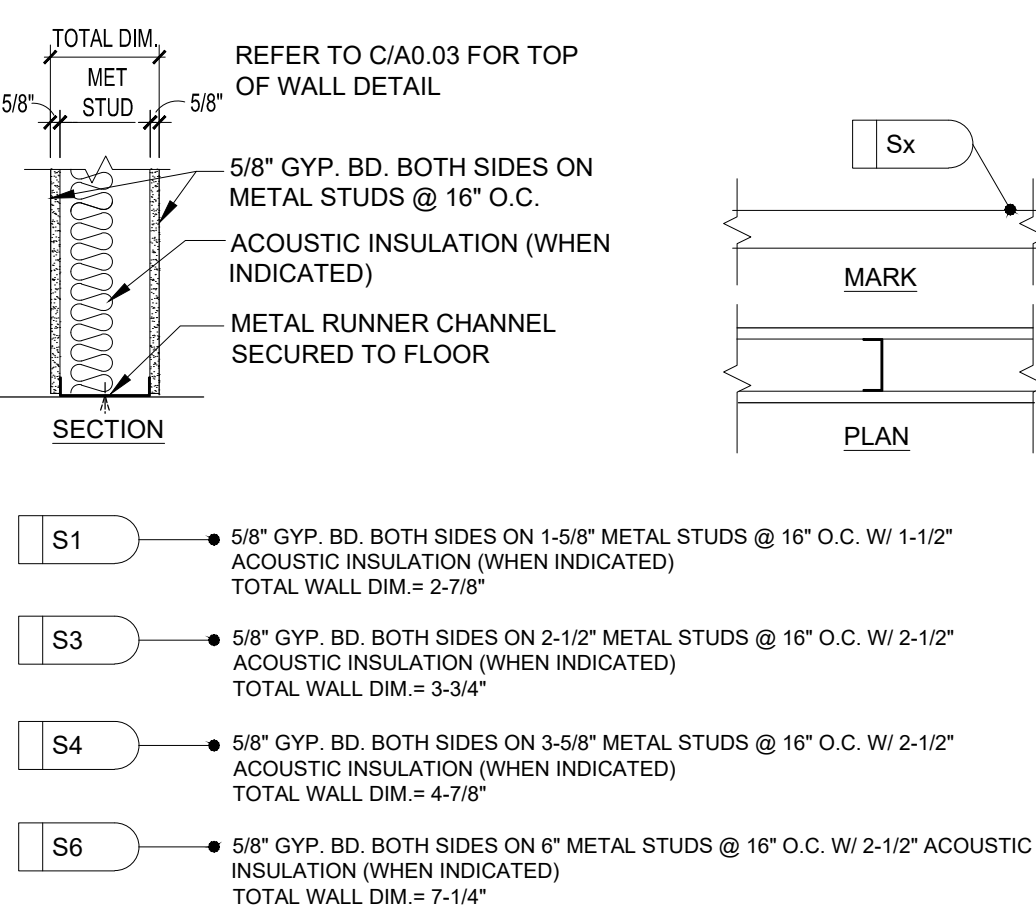


**TYPICAL FIRE-RATED
CMU PARTITION CONSTRUCTION**



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



- S6** 5/8" GYP. BD. BOTH SIDES ON 6" METAL STUDS @ 16" O.C. W/ 1/2-1/2" ACOUSTIC INSULATION (WHEN INDICATED)
TOTAL WALL DIM.= 7-1/4"
- S8** 5/8" GYP. BD. BOTH SIDES ON 8" METAL STUDS @ 16" O.C. W/ 1/2-1/2" ACOUSTIC INSULATION (WHEN INDICATED)
TOTAL WALL DIM.= 9-1/4"

M CMU PARTITION
SCALE: NOT TO SCALE

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 A0.03 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 WILL FINISH INFORMATION.
4. REFER TO CODE PLANS ON SHEET A0.02 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 2' O.C. MAX.

C - METAL STUD (CHASE WALL)
H - METAL STUD (SHAFT STUD)

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

 INTERIOR WALL PARTITION CONSTRUCTION THAT EXTENDS TO U/S OF ROOF DECK PER WALL SECTIONS.

 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.

10.1	REMOVE EXISTING WALL MOUNTED ITEMS SUCH AS CHALK BOARDS/TACK BOARDS/MARKER BOARDS PLAQUES, ETC.
10.2	REMOVE EXISTING FOLDING PARTITION PANELS, SLIDING TRACK, HANGERS, ETC.
10.3	REMOVE EXISTING TOILET ACCESSORIES INCLUDING PAPER TOWEL DISPENSER, SOAP DISPENSER, MIRROR, ETC.
10.4	REMOVE EXISTING TOILET PARTITIONS AND ATTACHED ACCESSORIES.
10.5	REMOVE EXISTING LOCKERS AND BASE.
10.5A	REMOVE EXISTING LOCKERS ONLY. EXISTING BASE TO REMAIN.
11.1	REMOVE EXISTING GYMNASIUM EQUIPMENT INCLUDING BASKETBALL HOOPS, BACKBOARDS, PEG BOARDS, ETC.
11.2	REMOVE EXISTING WALL PADS AND RELATED MOUNTING ACCESSORIES.
11.3	REMOVE EXISTING SCOREBOARD. COORDINATE WITH ELECTRICAL DRAWINGS.
11.3	REMOVE EXISTING RECESSED TABLES, MOUNTING ACCESSORIES AND METAL TRIM ASSOCIATED.

- | | |
|------|--|
| 12.1 | REMOVE EXISTING CASEWORK IN ITS ENTIRETY. COORDINATE WITH ALL THE OTHER TRADES. |
| 12.2 | REMOVE EXISTING COAT/STORAGE CUBBY INCLUDING HOOKS, SHELF, MOUNTING BRACKETS, ETC. |
| 12.4 | REMOVE EXISTING MILLWORK IN ITS ENTIRETY. COORDINATE WITH ALL THE OTHER TRADES. |
| 12.5 | REMOVE EXISTING WINDOW TREATMENTS INCLUDING MOUNTING BRACKETS. |

- | | |
|-------------|---|
| 22.1 | REMOVE EXISTING PLUMBING FIXTURES PER MECHANICAL DRAWINGS. |
| 22.1A | REMOVE, SALVAGE AND REINSTALL EXISTING PLUMBING FIXTURES PER MECHANICAL DRAWINGS. |
| 22.2 | REMOVE EXISTING DRINKING FOUNTAIN/EWC PER MECHANICAL DRAWINGS. |
| 23.1 | REMOVE EXISTING HORIZONTAL UNIT VENTILATOR, INCLUDING SHROUD WHERE PRESENT. COORDINATE WITH MECHANICAL FOR EXTENT OF PIPING REMOVAL. |
| 23.2 | REMOVE EXISTING FIN TUBE/CONVECTOR COVER. COORDINATE WITH MECHANICAL FOR EXTENT OF PIPING REMOVAL. |
| 23.3 | REMOVE EXISTING EXTERIOR MECHANICAL LOUVER PER MECHANICAL DRAWINGS. |
| 23.3A | REMOVE, SALVAGE AND REINSTALL EXTERIOR MECHANICAL LOUVER. |
| 23.4 | REMOVE EXISTING CEILING MOUNTED UNIT HEATER. COORDINATE WITH MECHANICAL AND ELECTRICAL. |
| 23.5 | REMOVE EXISTING WALL MOUNTED UNIT HEATER. PATCH AND REPAIR WALL BY INFILL THE OPENING WITH INSULATION AND PROVIDE COVER ENCLOSURE. COORDINATE WITH MECHANICAL AND ELECTRICAL. |
| 26.1 | REMOVE EXISTING LIGHT FIXTURES PER ELECTRICAL DRAWINGS. |
| 26.2 | REMOVE EXISTING TV MONITORS INCLUDING SUPPORT BRACKETS. COORDINATE WITH ELECTRICAL AND TECHNOLOGY. |
| 32.1 | REMOVE EXISTING PLANTS, TREES AND PAVEMENT FROM EXISTING COURTYARD AND PREPARE FOR NEW CONCRETE SLAB ON GRADE. REMOVE AND EXISTING STORM DRAINS AND PREPARE EXISTING STORM DRAIN LINES FOR CONNECTION OF NEW. |

1. REFER TO PROJECT SPECIFICATION MANUAL FOR DEMOLITION CRITERIA BEFORE REMOVING ANY ITEMS.
2. REMOVE AND REPLACE EXISTING CONSTRUCTION AS REQUIRED FOR THE EXECUTION OF NEW WORK.
3. PROTECT EXISTING CONSTRUCTION TO REMAIN AS REQUIRED DURING DEMOLITION.
4. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS AND FOR COORDINATION OF WORK.
5. DISCONNECT ALL MISCELLANEOUS FEATURES (I.E. ELECTRICAL, MECHANICAL, PLUMBING, ETC.) ASSOCIATED WITH ITEMS TO BE DEMOLISHED (I.E. PARTITIONS, WALLS, CEILINGS, CABINETS ETC.).
6. REMOVAL OF ANY MECHANICAL, ELECTRICAL AND MISCELLANEOUS ITEMS WILL REQUIRE PATCH AND REPAIR OF ADJACENT MATERIALS TO REMAIN.
7. REMOVE EXISTING UNUSED NAILS, SCREWS AND OTHER WALL PROTRUSIONS FROM EXISTING SURFACES TO REMAIN. PATCH AND REPAIR TO MATCH EXISTING ADJACENT SURFACES AS REQUIRED TO RECEIVE NEW FINISHES.
8. PATCH AND REPAIR ALL SURFACES TO REMAIN TO MATCH EXISTING ADJACENT SURFACES AS REQUIRED TO RECEIVE NEW FINISHES - SEE ROOM FINISH SCHEDULE.
9. CONTRACTOR SHALL PLACE ANY ITEMS OR MATERIALS TO BE RETAINED AS DIRECTED BY OWNER.

NOTES BELOW ARE INDICATED ON THE DRAWING BY THIS SYMBOL:

- 3.1 REMOVE EXISTING SUPPORTED CONCRETE SLAB. COORDINATE EXTENT OF DEMOLITION WITH CIVIL.
 - 3.2 REMOVE EXISTING CONCRETE SIDEWALK.
 - 3.3 SAW CUT EXISTING CONCRETE SLAB AS REQUIRED FOR UNDERGROUND PIPING.
 - 3.4 REMOVE EXISTING RAISED CONCRETE PAD
 - 3.5 REMOVE EXISTING CONCRETE STAIR
 - 3.6 **REMOVE PORTION OF EXISTING CONCRETE SLAB TO CREATE A FLOOR TRENCH AS REQUIRED FOR NEW PIPING. COORDINATE THE EXTENT OF DEMOLITION WITH MECHANICAL IN FIELD. REFER TO MECHANICAL.**
 - 4.1 REMOVE PORTION OF EXISTING EXTERIOR BRICK/MASONRY WALL AS REQUIRED BY NEW CONSTRUCTION.
 - 4.1A REMOVE PORTION OF EXISTING EXTERIOR BRICK/MASONRY WALL FOR INSTALLATION OF NEW OPENING.
 - 4.2 REMOVE PORTION OF EXISTING INTERIOR MASONRY WALL AS REQUIRED BY NEW CONSTRUCTION. REMOVE TO 8" BELOW TOP OF FLOOR SLAB.
 - 4.2A REMOVE PORTION OF EXISTING INTERIOR MASONRY WALL FOR INSTALLATION OF NEW OPENING.
 - 4.3 **COURSE OUT PORTION OF CMU WALL FOR INSTALLATION OF NEW PLUMBING FIXTURES. PATCH AND REPAIR ALL SURFACES TO RECEIVE NEW FINISHES.**
 - 5.1 REMOVE EXISTING STRUCTURAL STEEL, JOISTS, DECK, ETC. AS REQUIRED BY NEW CONSTRUCTION.
 - 5.2 REMOVE EXISTING METAL STAIRS IN ITS ENTIRETY.
 - 6.1 REMOVE EXISTING STUD/GYP PARTITION AS REQUIRED FOR NEW CONSTRUCTION.
 - 6.1A REMOVE PORTION OF EXISTING STUD/GYP PARTITION FOR INSTALLATION NEW DOOR/WINDOW FRAME.
 - 7.1 REMOVE EXISTING ROOFING AS REQUIRED BY NEW CONSTRUCTION.
 - 7.1A REMOVE EXISTING ROOFING AS REQUIRED FOR INSTALLATION OF NEW MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL DRAWINGS.
 - 8.1 REMOVE EXISTING DOOR AND FRAME IN ITS ENTIRETY
 - 8.1A REMOVE EXISTING DOOR AND FRAME FOR INSTALLATION OF NEW REPLACEMENT DOOR AND FRAME.
 - 8.1B REMOVE EXISTING DOOR ONLY. EXISTING FRAME TO REMAIN.
 - 8.2 REMOVE EXISTING WINDOW/GLAZING UNIT IN ITS ENTIRETY
 - 8.2A REMOVE EXISTING WINDOW/GLAZING UNIT FOR INSTALLATION OF NEW REPLACEMENT WINDOW.
 - 8.2B REMOVE EXISTING GLAZING ONLY. EXISTING FRAME TO REMAIN.
 - 8.3 REMOVE EXISTING OVERHEAD COILING COUNTER/DOOR IN ITS ENTIRETY.
 - 9.1 REMOVE EXISTING CARPET AND BASE.
 - 9.1A REMOVE EXISTING CARPET. EXISTING GLAZED MASONRY BASE TO REMAIN.
 - 9.2 REMOVE EXISTING VCT AND BASE.
 - 9.2A REMOVE EXISTING VCT. EXISTING GLAZED MASONRY BASE TO REMAIN.
 - 9.3 REMOVE EXISTING CERAMIC/PORCELAIN TILE AND BASE.
 - 9.3A REMOVE EXISTING CERAMIC/PORCELAIN TILE FLOOR ONLY. EXISTING TILE BASE TO REMAIN.
 - 9.4 REMOVE EXISTING RUBBER/SPORTS FLOORING.
 - 9.5 REMOVE EXISTING FLOORING BY OTHERS.
 - 9.6 REMOVE EXISTING SUSPENDED CEILING SYSTEM IN ITS ENTIRETY, INCLUDING PADS, GRID, SUSPENSION WIRE, ETC.
 - 9.6A REMOVE EXISTING ACOUSTIC CEILING TILES ONLY. EXISTING GRID, SUSPENSION WIRE TO REMAIN.
 - 9.7 REMOVE EXISTING GYPSUM/PLASTER CEILING SYSTEM IN ITS ENTIRETY, INCLUDING SUSPENSION WIRE, FRAMING, ETC.
 - 9.7A REMOVE PORTION OF EXISTING GYPSUM/PLASTER CEILING SYSTEM TO NEAREST JOINT LINE.
 - 9.8 REMOVE EXISTING CONCEALED SPLINE CEILING SYSTEM.

ISSUE DATE	ISSUED FOR
08/08/2025	BID
DRAWN	FA
CHECKED	FA
APPROVED	FA



FRENCH

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

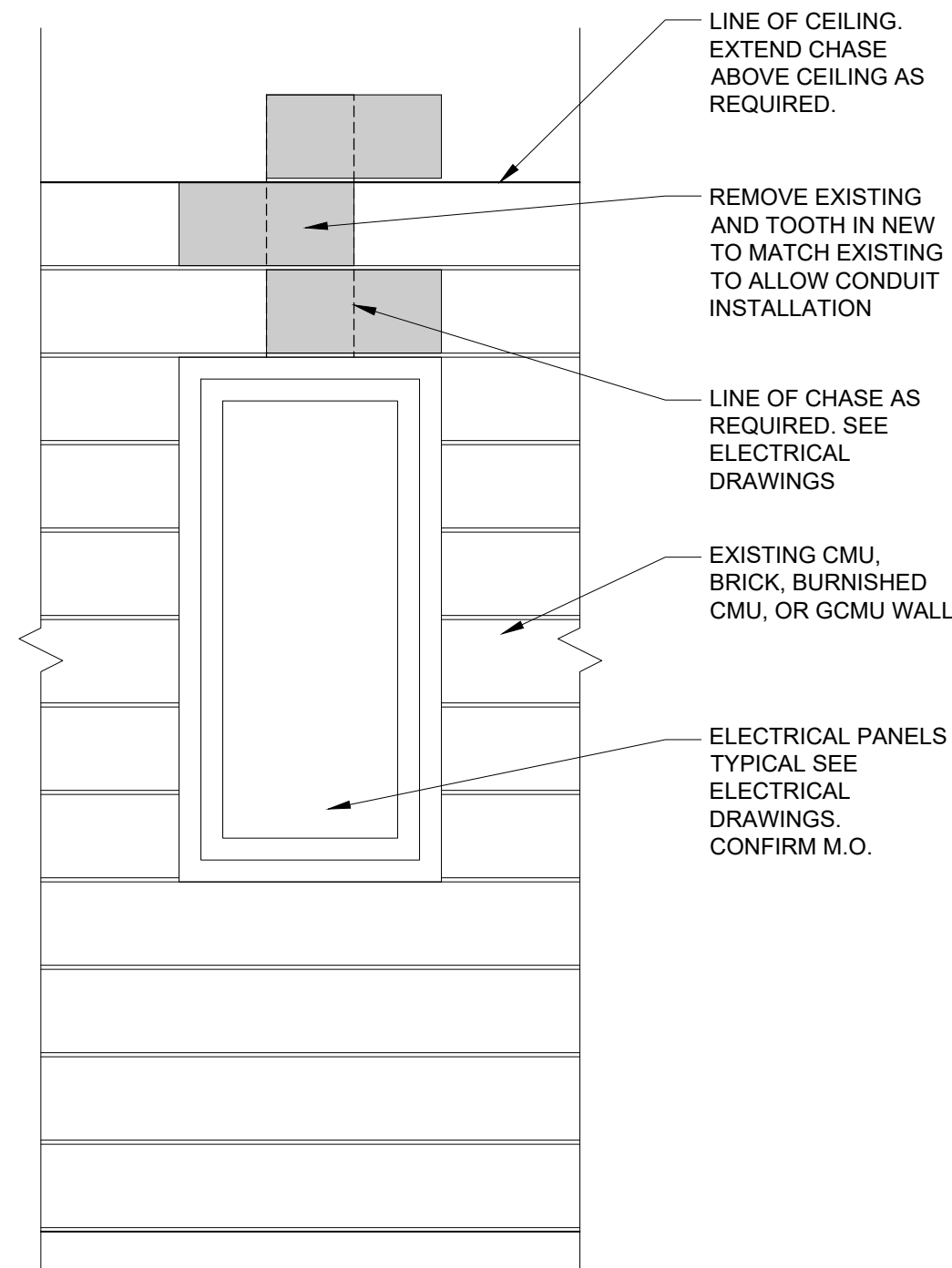
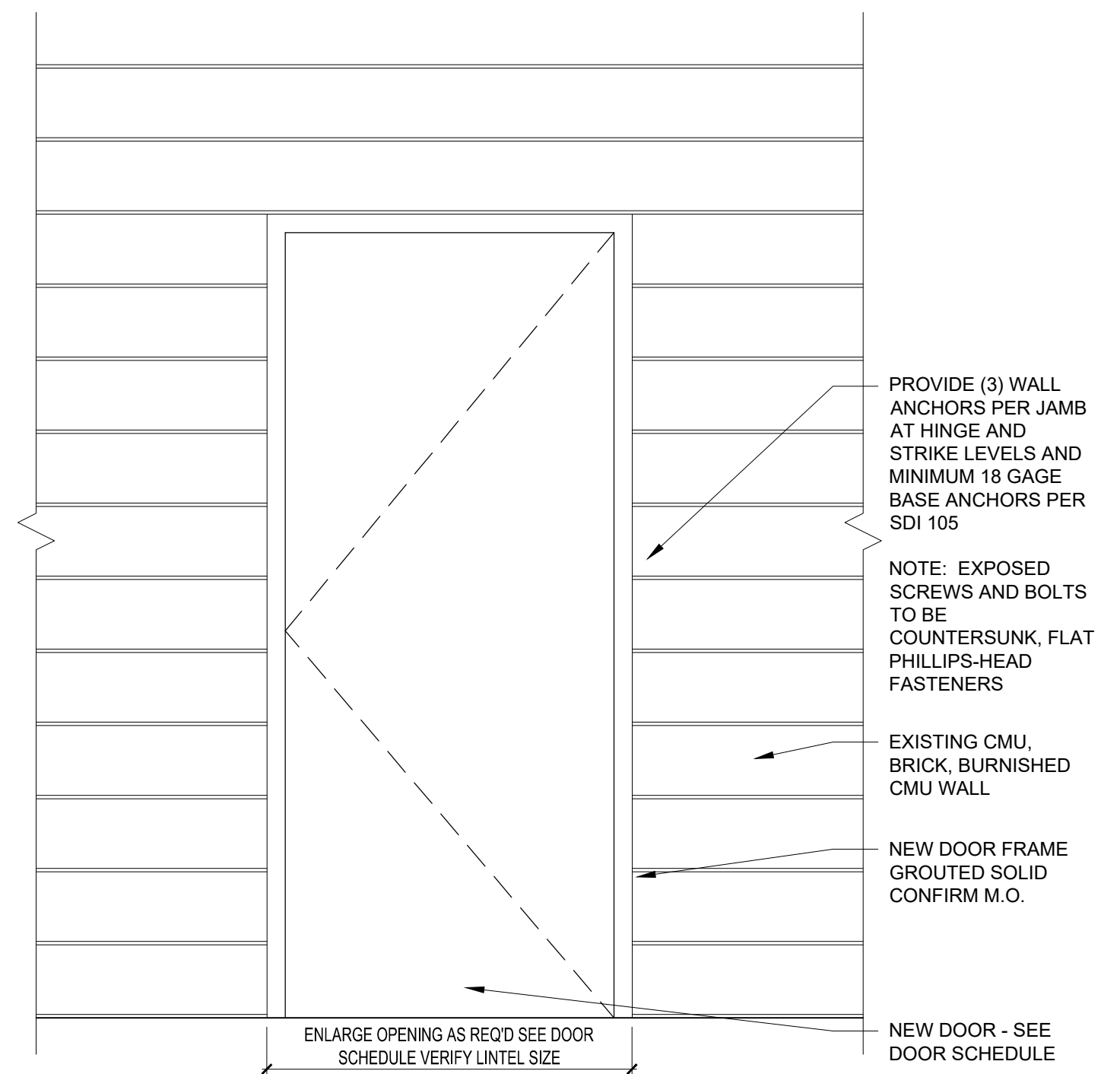
Livonia Public Schools
Hydration Stations
Cleveland Elementary

LIVONIA,
MICHIGAN

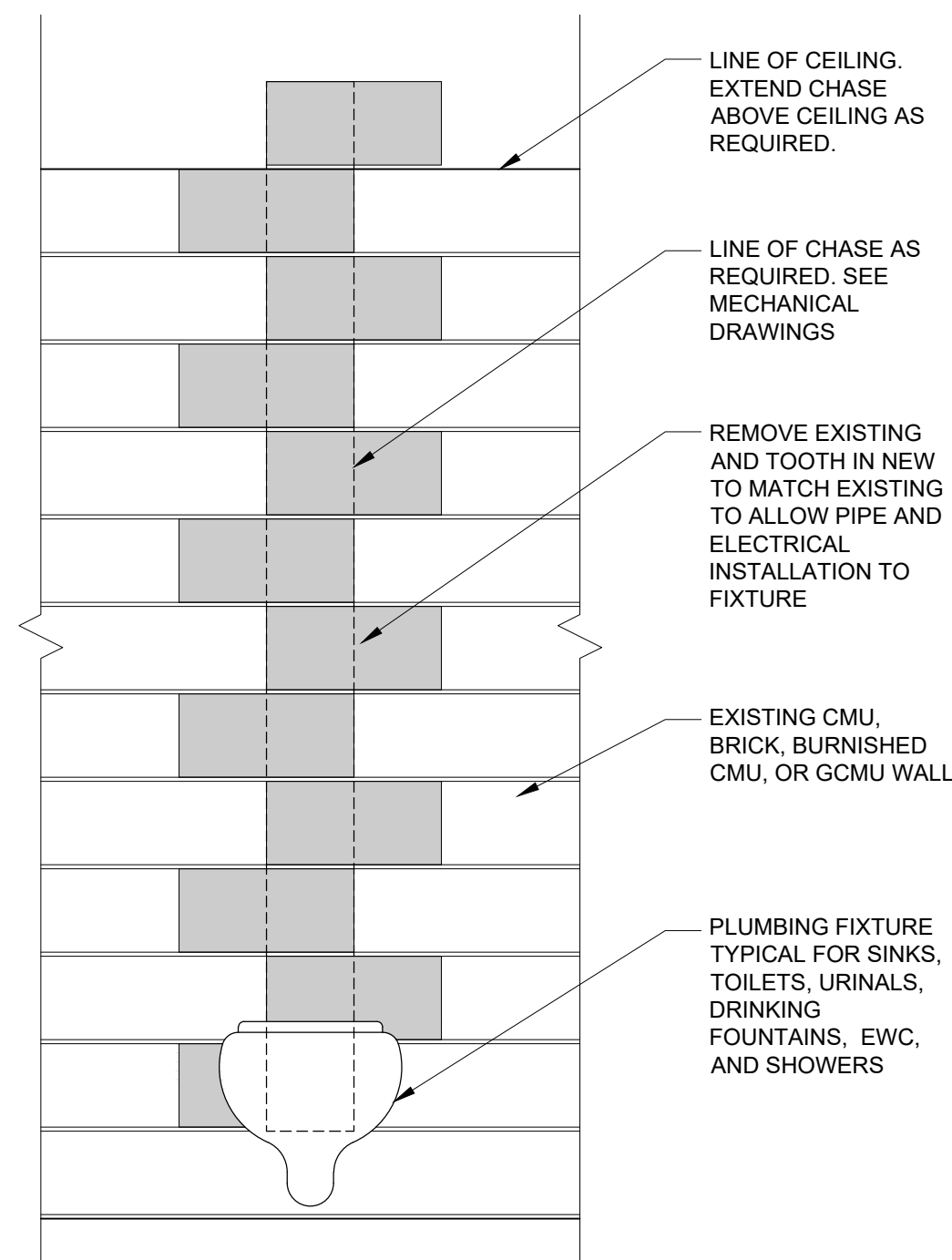
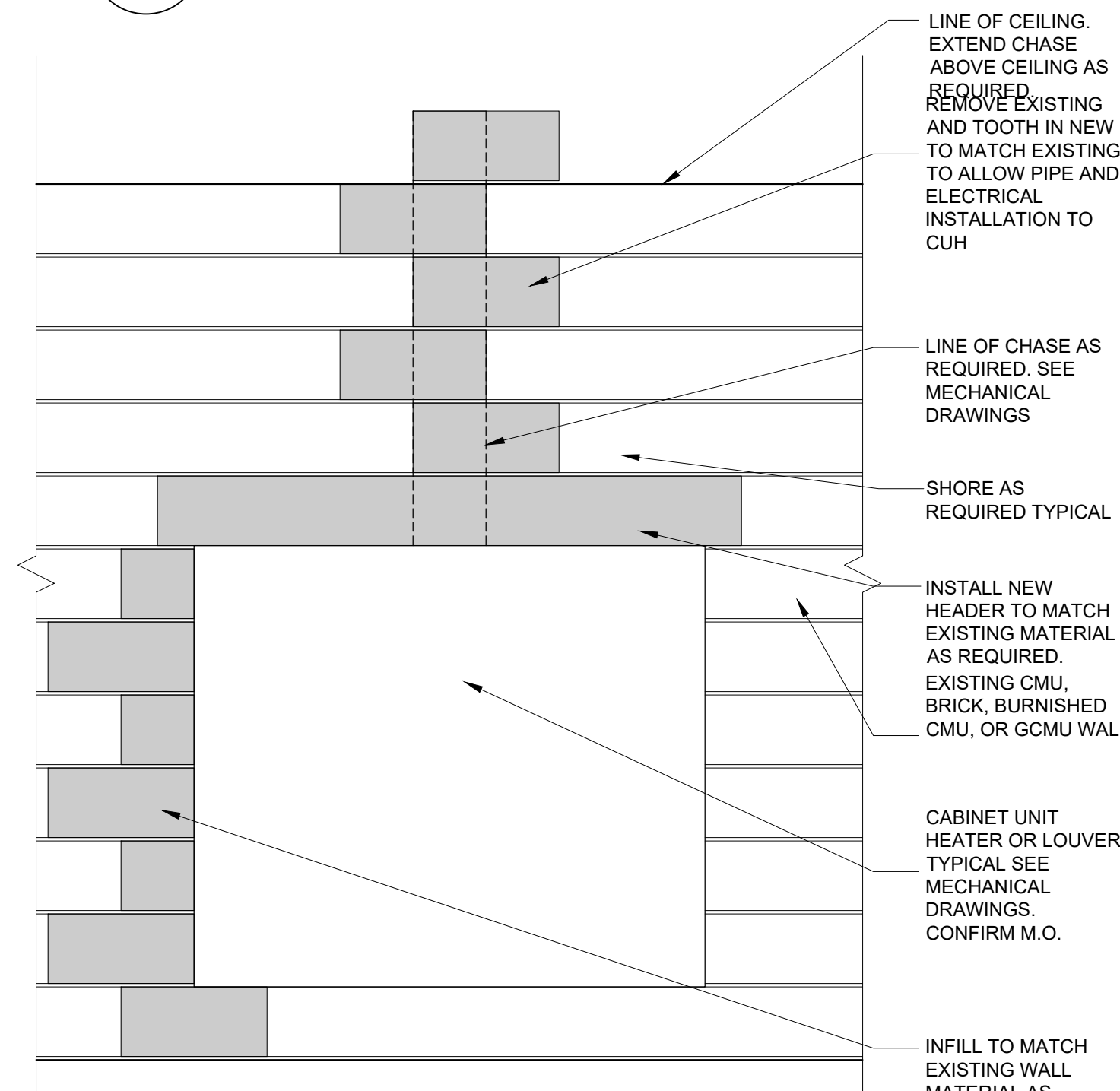
General Demolition Notes and Details

2025-040.0

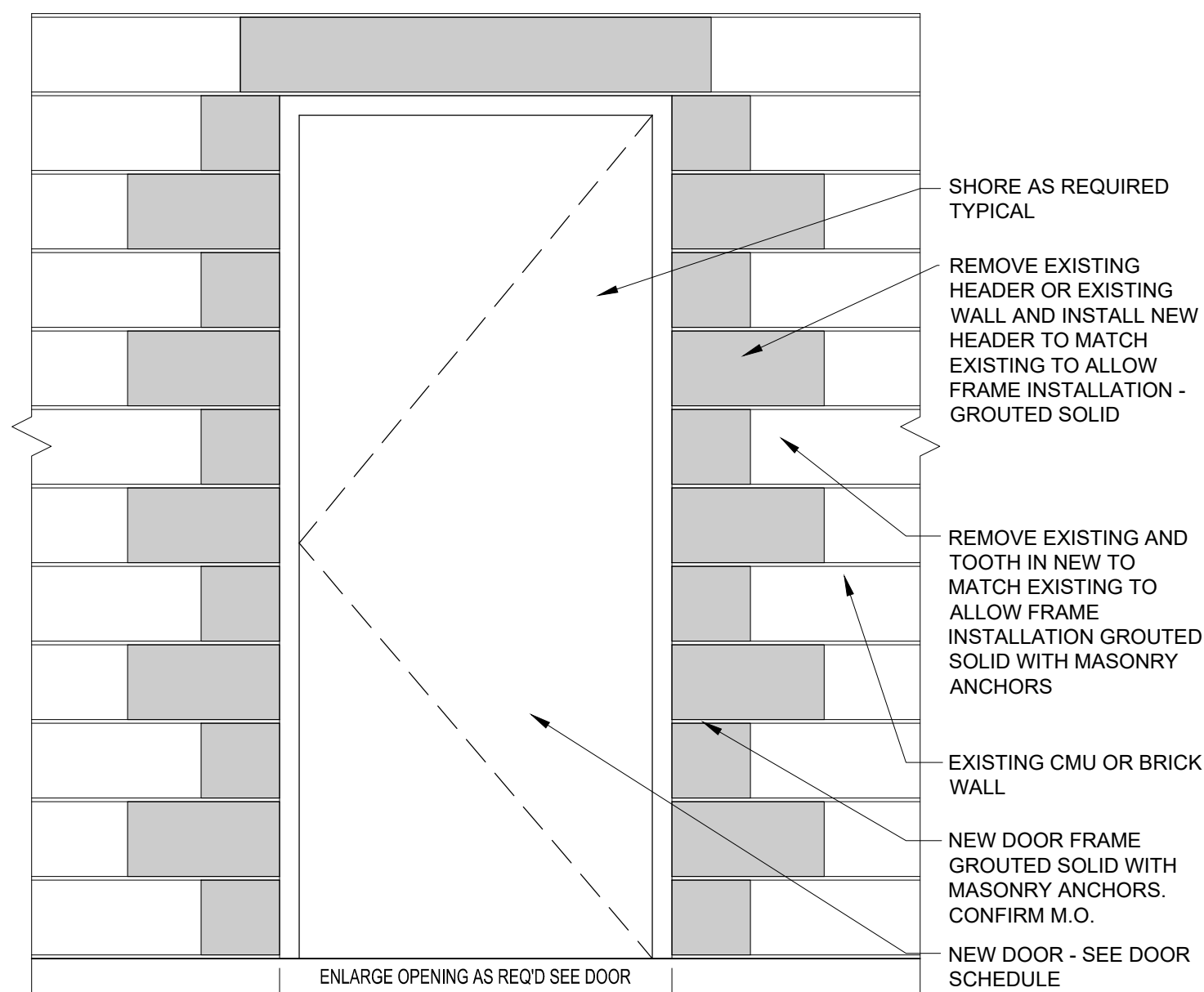
AD2.00



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



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



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

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



FRENCH

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

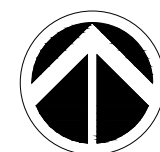
Livonia Public Schools
Hydration Stations
Cleveland Elementary

LIVONIA,
MICHIGAN

Composite Demolition Floor Plan

2025-040.0

AD2.01



COMPOSITE
DEMOLITION FLOOR PLAN
SCALE: 1/16" = 1'-0"

1. REFER TO SHEET AD2.00 FOR DEMOLITION GENERAL NOTES AND KEY NOTES.

2. ----- DASHED LINES REPRESENTS DEMOLITION

The diagram shows a stepped profile on a horizontal base. The profile is composed of several rectangular blocks. Region A is a central rectangular block. Region B is a rectangular block to the right of A, with a wavy boundary between them. Region C is a rectangular block to the left of A, filled with diagonal hatching, with a wavy boundary between them. Region D is a rectangular block stacked on top of A. Region E is a rectangular block stacked on top of D. The top boundary of the profile is a smooth curve that starts from the left edge of D, goes up and then down to the right edge of E.

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



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

Livonia Public Schools
Hydration Stations
Cleveland Elementary

SHEET

Unit C
Demolition Floor Plan

2025-040.0

AD2.10C



UNIT C DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1'-0"

	EXTERIOR WALLS TO BE 4" NOMINAL BRICK ON CONCRETE BLOCK WALL WITH 3" RIGID GYPSUM INSULATION
	C.M.U. PARTITION AS DIMENSIONED
	5/8" HIGH IMPACT GYPSUM BOARD EACH SIDE OF 3 5/8" METAL STUD AT 16" O.C. (WALL THICKNESS = 4 7/8" - NOMINAL 5")

 INDICATES BATT SOUND ATTENUATION INSULATION

ALL INTERIOR WALLS TO EXTEND TO DECK UNLESS OTHERWISE INDICATED.

1. ALL INTERIOR PARTITIONS SHALL EXTEND UP TO UNDERSIDE OF ROOF DECK UNLESS OTHERWISE INDICATED.
2. PATCH ALL HOLES FROM REMOVED ITEMS SUCH AS, BUT NOT LIMITED TO THERMOSTATS, NAIL HOLES, WALL MOUNTED CASEWORK, ETC.
3. COURSE IN NEW BRICK TO MATCH EXISTING WHERE PLUMBING WORK IS BEING DONE. TOOTH-IN TO MATCH COURSING - TYPICAL.

	C.M.U. PARTITION AS NOTED. REFER TO PARTITION TYPE TAG.
	METAL STUD PARTITION AS NOTED, REFER TO PARTITION TYPE TAG. ALL INTERIOR PARTITIONS TO UNDERSIDE OF DECK U.N.O.
	PARTITION TYPE. REFER TO SHEET A0.03 FOR PARTITION TYPES LEGEND

The diagram shows a stepped profile. Region A is a central rectangular block. Region B is a rectangular block to the right of A, at the same base level. Region C is a hatched rectangular block to the left of A, at the same base level. Region D is a rectangular block stacked on top of A. Region E is the area above D and B, containing a small semi-circular notch on its top-left corner.

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



FRENCH

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

Livonia Public Schools
Hydration Stations
Cleveland Elementary

LIVONIA,
MICHIGAN

Unit C
Floor Plan

2025-040.0

A2.10C



UNIT C FLOOR PLAN
SCALE: 1/8" = 1'-0"

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			MAT.	FINISH	HGT.	M/C	FINISH	
							MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH							
UNIT C	C112	CORRIDOR	EX	EX	EX/RB	EX/B1	EX/CMU	EXP1SG-A	-	-	-	-	-	-	-	-	-	-	-	1.2	
	C124	TOILET	EPXY	P21-A	EPXY	P21-A	-	-	-	-	EX/CMU	P1SG-A	-	-	-	-	-	-	-	1.3	

ROOM FINISH SCHEDULE ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	EXIST	EXISTING	PLAM	PLASTIC LAMINATE	SS	STAINLESS STEEL
ANOD	ANODIZED	EXPO	EXPOSED	PLAS	VENEER PLASTER	SM	SOLID SURFACE MATERIAL
B CMU	BURNISHED CMU	GL	GLASS	PT	PORCELAIN TILE	SP CMU	SPLIT FACE CMU
BRICK	BRICK	GCMU	GLAZED CMU	PTD	PAINTED	SPI	SURFACE IMPACT
CMU	CONCRETE MASONRY UNIT	GYP	GYP/SUM BOARD	QT	QUARRY TILE	SV	SHEET VINYL
CONC	CONCRETE	LMC	LINEAR METAL CEILING	RBF	RUBBER TILE	TCT	TERRAZZO
CPL	CEMENT PLASTER	MP	METAL PANEL	RB	RESILIENT WALL BASE	VER	VINYL COMPOSITION TILE
CPT	CARPET	NSF	NON-SLIP FINISH	SAC	SPRAY-APPLIED ACOUSTICAL COATING	WP	WATERPROOF
CT	CERAMIC TILE	PARTN	MOVEABLE PARTITION	SEAL	CONCRETE SEALER	MA EX	MATCH EXISTING

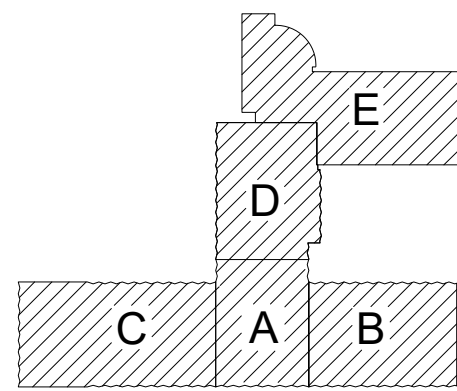
ROOM FINISH SCHEDULE GENERAL NOTES

A.	PAINTING 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.	SEE THE A7 & A8 SERIES SHEETS FOR PAINT DESIGNATIONS.
C.	SEE THE A8 SERIES SHEETS FOR FLOOR PATTERNS.
D.	PROVIDE RADIUS EDGE AT COUNTERTOPS.
E.	DO NOT PAINT OVER EXISTING MURALS, LETTERS, QUOTES, ETC. UNLESS NOTED OTHERWISE AND DIRECTED BY OWNER
F.	DO NOT PAINT OVER ANY EXISTING EXPOSED BRICK
H.	PROVIDE METAL SCHLUTER STRIP AT BOTTOM OF NEW WALL TILE AND OUTSIDE WALL CORNERS - TYP.

ROOM FINISH SCHEDULE REMARKS

<ol style="list-style-type: none"> 1. PATCH AND PAINT WALL TO MATCH EXISTING AS REQUIRED FOR NEW WORK. 2. INSTALL NEW WALL BASE AS REQUIRED FOR NEW WORK. 3. INSTALL EPOXY FLOOR COATING ON TOP ON EXISTING FLOOR. COVE EPOXY COATING UP WALL TO COVER EXISTING BASE. PROTECT ALL DRAINS AT INSTALL. ENSURE EXISTING SUBSTRATE IS FULLY BONDED. FOLLOW ALL MANUFACTURE RECOMMENDATIONS PRIOR TO INSTALL.

KEY PLAN



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



PROJECT

Livonia Public Schools
Hydration Stations
Cleveland Elementary

LIVONIA,
MICHIGAN

SHEET

Room Finish Schedule

PROJECT NUMBER

2025-040.0

SHEET NUMBER

A3.02A

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

Livonia Public Schools
Hydration Stations
Cleveland Elementary

Unit C
Floor Finish Plan

2025-040.0

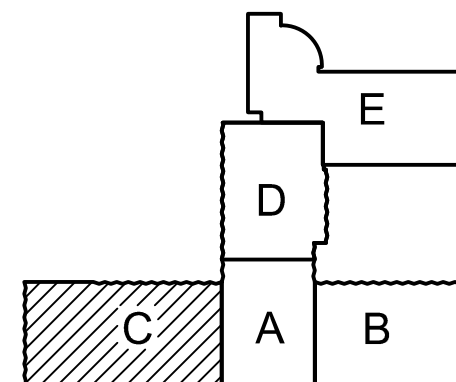
A9.10C





SCALE: N.T.S

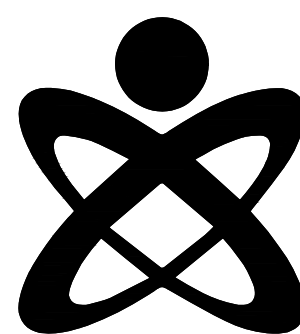
KEY PLAN



ISSUE DATE	ISSUED FOR
08/08/2025	BIDS
DRAWN	MB
CHECKED	MPH
APPROVED	MPH



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



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

PROJECT

Livonia Public Schools
Hydration Stations
Cleveland Elementary

LIVONIA,
MICHIGAN

SHEET

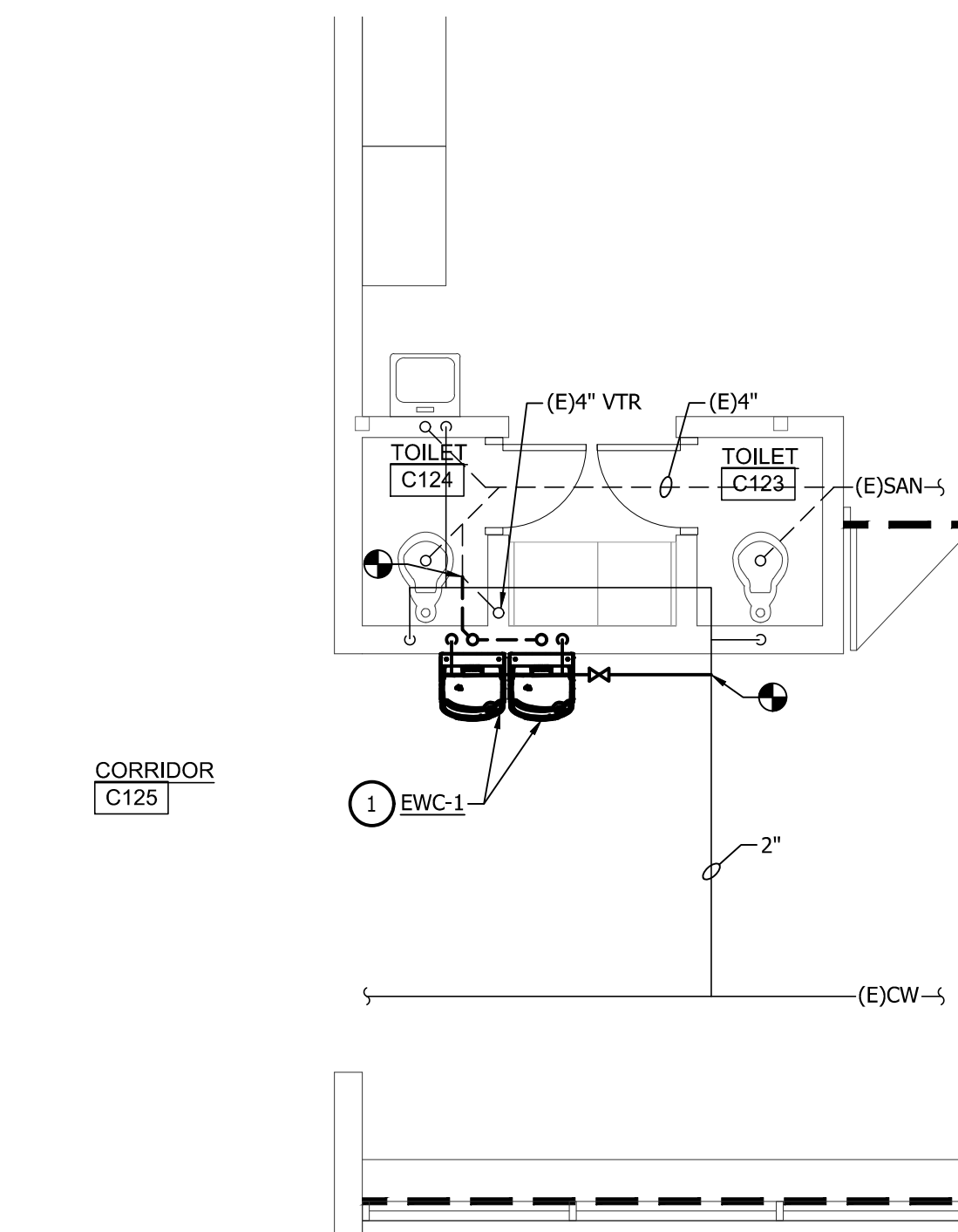
ENLARGED PLUMBING NEW WORK PLAN

PROJECT NUMBER

2025-040.0

SHEET NUMBER

P4.10



ENLARGED PLUMBING NEW WORK PLAN - CORRIDOR- C125

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

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 BUILDINGS OPERATIONS.
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 COMPLETE WITH ALL RELATED ITEMS INCLUDING HANGERS, 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/OR NEW 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 FLOOR DRAIN 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.

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 TWO ELECTRIC WATER COOLER. TERMINATE WITH STOPS. REMOVE BLOCK WALL AS REQUIRED FOR INSTALLATION. SEE ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
---	---

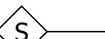
PLUMBING FIXTURE SCHEDULE

TAG	BARRIER FREE	ITEM	PIPE CONNECTION SIZES				MANUFACTURER & MODEL NO.	ACCESSORIES
			WASTE	VENT	CW	HW		
EWC-1	Y	FILTERED ELECTRIC WATER COOLER WITH BOTTLE FILLER	1 1/2"	1 1/2	1/2"	-	ELKAY: LZS8WSLP	FIXTURE TO BE PROVIDED BY OWNER. CONTRACTOR TO PROVIDE CANE APRON ELKAY: LKAPREZL

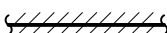
NOTES:

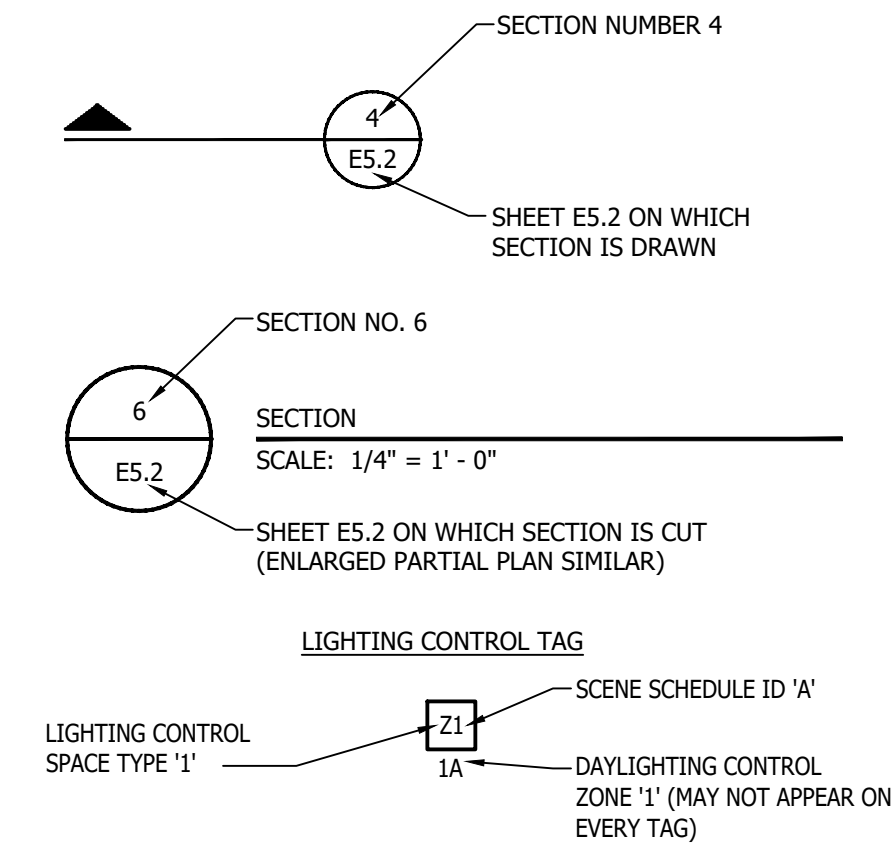
1. PROVIDE ALL ACCESSORIES NECESSARY FOR COMPLETE AND OPERABLE INSTALLATION.
2. ALL FIXTURES SHALL MEET MICHIGAN DEPT. OF PUBLIC HEALTH REQUIREMENTS, AND SHALL BE SUITABLE FOR FOOD PREPARATION AREAS.

POWER SYMBOL LIST		ELECTRICAL ABBREVIATIONS	
SYMBOL	DESCRIPTION	ABBREV.	DESCRIPTION
	CONDUIT DOWN	AFF	ABOVE FINISHED FLOOR
	CONDUIT UP	A	AMPERE
	CONTACTOR	AF	AMPERE FUSE/AMPERE FRAME
	DISCONNECT SWITCH - NON FUSED	AWG	AMERICAN WIRE GAUGE
	DISCONNECT SWITCH - FUSED	AT	AMPERE TRIP
	DISCONNECT SWITCH - COMB. MOTOR STARTER	ATS	AUTOMATIC TRANSFER SWITCH
	ELECTRICAL PANEL - 208/240 VOLTS	AIC	AVAILABLE INTERRUPTING CURRENT (AMPS)
	ELECTRICAL PANEL - 480 VOLTS	C	CONDUIT OR CEILING MOUNTED
	GROUNDING ROD	CB	CIRCUIT BREAKER
	GROUND	CU	COPPER
	GROUNDING BAR	CT	CURRENT TRANSFORMER
	JUNCTION BOX	DIA	DIAMETER
	JUNCTION BOX WITH HARDWIRED CONNECTION	DISC	DISCONNECT
	METER	EMT	ELECTRICAL METALLIC TUBING
	MOTOR - SINGLE PHASE	EWC	ELECTRIC WATER COOLER
	MOTOR - THREE PHASE	EPO	EMERGENCY POWER OFF
	MOTOR RATED SWITCH	(E)	EXISTING ELECTRICAL EQUIPMENT OR WORK
	POWER RECEPTACLE - SIMPLEX TYPE	FA	FIRE ALARM
	POWER RECEPTACLE - DUPLEX TYPE	FACP	FIRE ALARM CONTROL PANEL
	POWER RECEPTACLE - DUPLEX 6" ABOVE COUNTER	FLA	FULL LOAD AMPS
	POWER RECEPTACLE - USB/DUPLEX COMBO. DEVICE	F	FUSE
	POWER RECEPTACLE - QUADRUPLUX TYPE	G/GRD	GROUND
	POWER RECEPTACLE - RECESSED FLOOR TYPE	GFCI/GFI	GROUND FAULT CIRCUIT INTERRUPTER
	POWER RECEPTACLE - SPECIALTY TYPE	HOA	HAND-OFF-AUTO
	SURGE PROTECTION DEVICE	HP	HORSEPOWER
	TIME CLOCK	IG	ISOLATED GROUND
	TRANSFORMER (REFER TO SCHEDULES FOR INFO)	KV	KILOVOLT
	VARIABLE SPEED DRIVE	KVA	KILOVOLT AMPERE

AUXILIARY SYST. SYMBOL LIST		MDP	MAIN DISTRIBUTION PANEL
SYMBOL	DESCRIPTION	MLO	MAIN LUG ONLY
	CAMERA	MAX	MAXIMUM
	CARD READER	MIN	MINIMUM
	COMMUNICATIONS DEVICE - 6" ABOVE COUNTER	NEC	NATIONAL ELECTRICAL CODE
	COMMUNICATIONS DEVICE - FLOOR	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
	COMMUNICATIONS DEVICE - WALL	N/NEU	NEUTRAL
	MAGNETIC DOOR HOLDER	NF	NON-FUSIBLE
	PUSH BUTTON	NC	NORMALLY CLOSED
	SPEAKER	NO	NORMALLY OPEN
	WALL CLOCK - SINGLE FACE	NIC	NOT IN CONTRACT
	WALL CLOCK - DOUBLE FACE	OF/CI	OWNER FURNISHED / CONTRACTOR INSTALLED
	WALL CLOCK AND SPEAKER UNIT	OF/OI	OWNER FURNISHED / OWNER INSTALLED
		PH. OR Ø	PHASE
		P	POLE
		PF	POWER FACTOR
		PVC	POLYVINYL CHLORIDE (PLASTIC)
		(R)	RELOCATED EXISTING ELECTRICAL EQUIPMENT
		(RR)	REMOVE AND REINSTALL
FIRE ALARM SYMBOL LIST		RMC	RIGID METALLIC CONDUIT
SYMBOL	DESCRIPTION	RP	RECEPTACLE PANEL
	DETECTION DEVICE	SPEC/CS	SPECIFICATIONS
	DETECTION DEVICE - DUCT MOUNTED	TBB	TELEPHONE BACKBOARD
	DETECTION DEVICE - FLOW SWITCH	TYP.	TYPICAL
	DETECTION DEVICE - TAMPER SWITCH	UC	UNDER COUNTER
	FIRE ALARM ANNUNCIATOR PANEL	UL	UNDERWRITERS LABORATORIES
	FIRE ALARM CONTROL PANEL	UPS	UNINTERRUPTIBLE POWER SUPPLY
	FIRE DEPARTMENT COMMUNICATION OUTLET	USB	UNIVERSAL SERIAL BUS
	MANUAL DEVICE - PULL STATION	V	VOLT
	NOTIFICATION DEVICE - WALL MOUNTED	VA	VOLT AMPERE
	NOTIFICATION DEVICE - CEILING MOUNTED	W	WATT
	VISUAL NOTIFICATION DEVICE - WALL MOUNTED	WG	WIRE GUARD
	COMBINATION NOTIFICATION DEVICE - CEILING MOUNTED	WP	WEATHERPROOF
		XFMR	TRANSFORMER
NOTES:			
DRAWINGS INDICATE DESIGN INTENT ONLY. FINAL LOCATIONS AND			

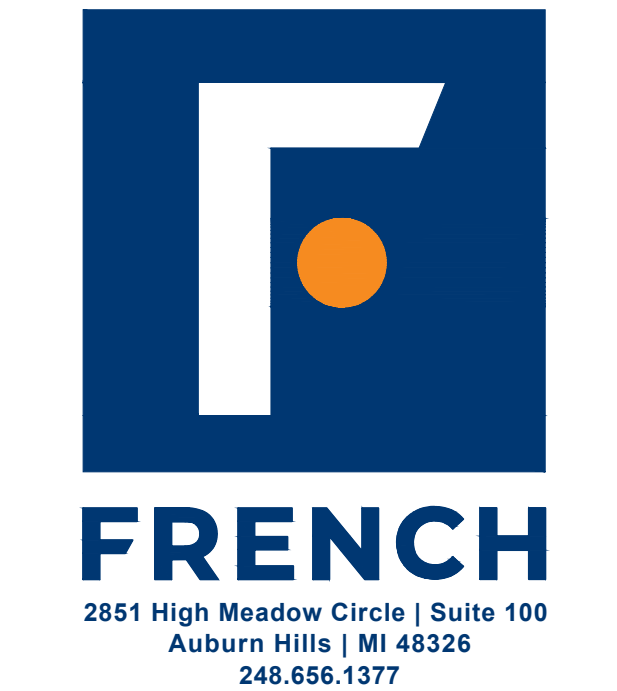
DRAWING INDEX	
SHT NO	DESCRIPTION
E0.00	ELECTRICAL GENERAL INFORMATION
E1.00	COMPOSITE ELECTRICAL FLOOR PLAN
E4.10	ENLARGED ELECTRICAL POWER NEW WORK PLAN
E5.00	ELECTRICAL DETAILS

DRAWING NOTATION	
SYMBOL	DESCRIPTION
LA	LIGHTING FIXTURE TAG
	CONSTRUCTION KEY NOTE NUMBER 1
	DEMOLITION KEY NOTE NUMBER 1
	FEEDER SIZE TAG (REFER TO FEEDER SCHEDULE ON THIS SHEET)
<u>EF-1</u>	EQUIPMENT DESIGNATION, (I.E. EXHAUST FAN NUMBER 1)
—————	EXISTING DEVICES OR EQUIPMENT
—————	NEW OR MODIFIED DEVICES OR EQUIPMENT
-----	NEW OR MODIFIED UNDERGROUND WIRING
	EXISTING SYSTEM COMPONENT TO BE REMOVED



APPLICABLE CODES AND REGULATIONS	
YEAR	CODE
2021	MICHIGAN BUILDING CODE
2019	MICHIGAN ENERGY CODE
2023	MICHIGAN ELECTRICAL CODE RULES, PART 8
2023	NATIONAL ELECTRICAL CODE (NFPA 70)
2013	NATIONAL FIRE ALARM AND SIGNALING CODE, NFPA 72
2012	LIFE SAFETY CODE, NFPA 101
2013	STANDARD FOR EMERGENCY AND STANDBY POWER SYSTEMS, NFPA 110
2009	ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS & FACILITIES

ISSUE DATE	ISSUED FOR
08/08/2025	BIDS
DRAWN	RDL
CHECKED	RDL
APPROVED	MPH



PROJECT

Livonia Public Schools Hydration Stations Cleveland Elementary

LIVONIA,
MICHIGAN

SHEET

PROJECT NUMBER
2025-040.0

SHEET NUMBER

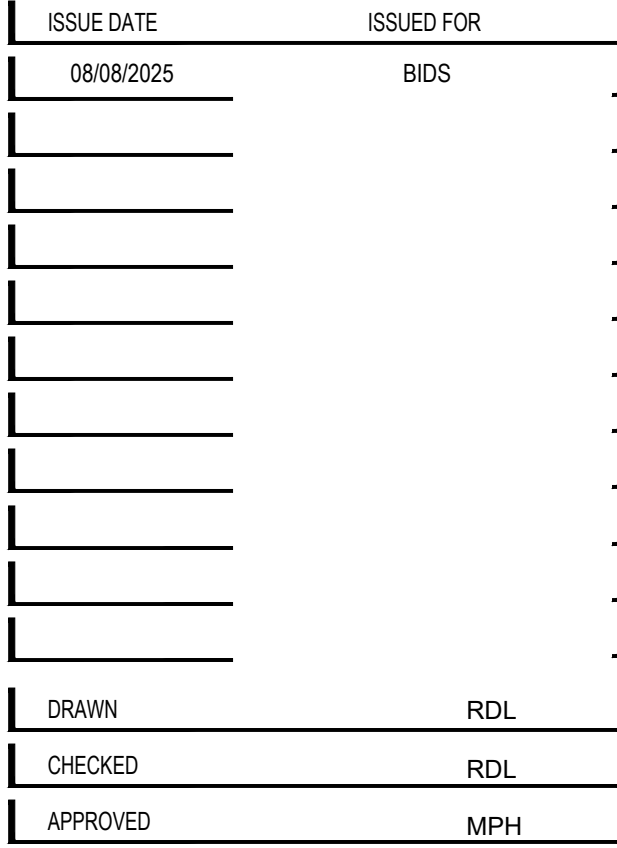
E0.00



SCALE: N.T.S



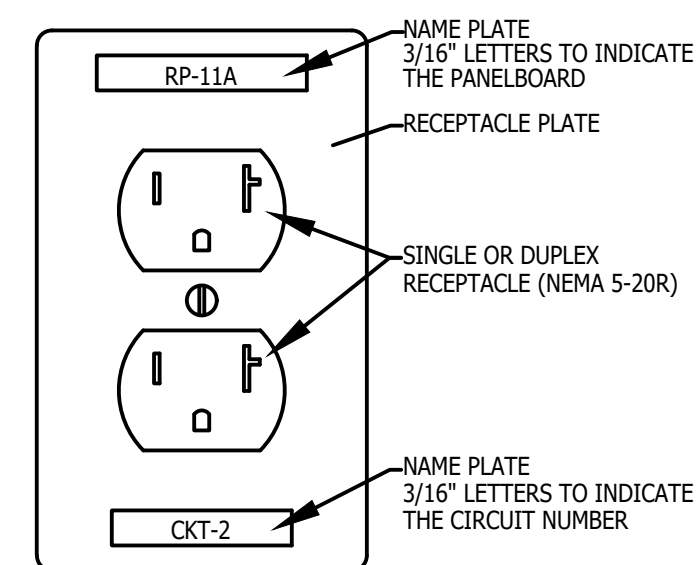
<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center;">X</div> <div>NEW WORK KEYED NOTES</div> </div>	
1	RUN NEW WIRE AND CONDUIT FOR NEW DRINKING FOUNTAIN GFCI RECEPTACLE. RECEPTACLE SHALL BE READILY ACCESSIBLE. CIRCUIT TO EXISTING SPARE 20A BREAKER AS SHOWN



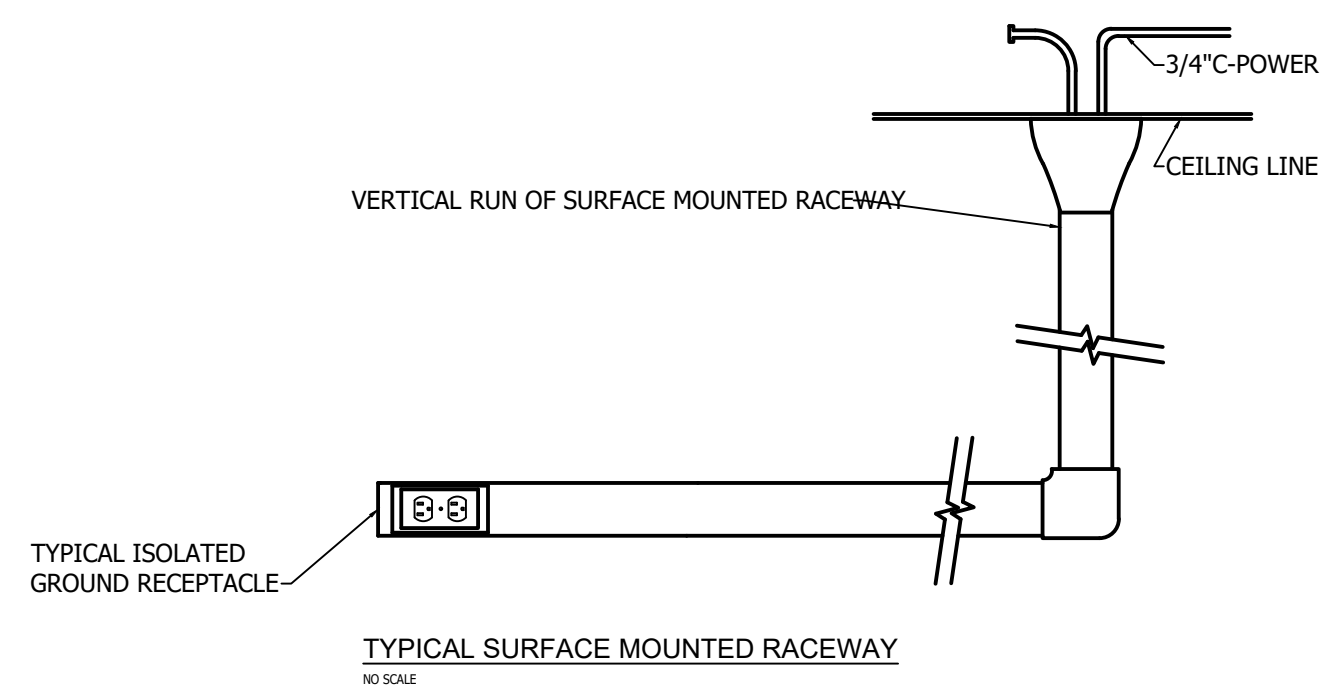
LIVONIA,
MICHIGAN

PROJECT NUMBER
2025-040.0

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