LIVONIA PUBLIC SCHOOLS

FRANKLIN HIGH SCHOOL HYDRATION STATIONS

LIVONIA MICHIGAN

PROJECT NO. 2025-040

AUGUST 8TH, 2025 BID SET

FRENCH

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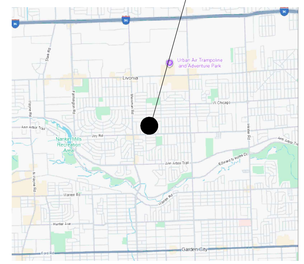
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31000 JOY Rd, LIVONIA, MI 48150



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LSTROU2 PROJ# 2XX 00 00000

MATERIAL LEGEND

- SOIL
- ASPHALT AGGREGATE
- GRANULAR FILL
- STONE/GRAVEL
- CONCRETE
- CONCRETE MASONRY UNIT
- BRICK
- GLAZED HOLLOW CMU
- STRUCTURAL GLAZED TILE
- LIMESTONE
- MARBLE
- FINISH WOOD
- COMPOSITION/PLYWOOD
- CONTINUOUS WOOD BLOCKING
- BLOCKING OR SHIMS
- BATT INSULATION
- RIGID INSULATION
- PREMOLDED EXPANSION JOINT/ COMPRESSIBLE FILLER STRIP
- PLASTER OR GYPSUM BOARD
- CERAMIC OR QUARRY TILE
- TERRAZZO
- ACOUSTICAL PANEL OR ACOUSTICAL TILE
- EXISTING MATERIAL (IN SECTION)
- EXISTING MATERIAL (IN PLAN)
- DEMOLITION - TO BE REMOVED

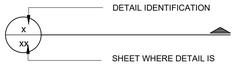
ABBREVIATIONS

AC	AIR CONDITIONING
ACOUST	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AGG	AGGREGATE
ALT	ALTERNATE
AL/ALUM	ALUMINUM
ANOD	ANODIZED
APC	ARCHITECTURAL PRECAST LINTEL
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
ASPH	ASPHALT
AV	AUDIO/VISUAL
L	ANGLE
B CMU	BURNISHED CMU
BIT	BITUMINOUS
BD	BOARD
BF	BARRIER FREE
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BENCH MARK/BEAM
BOT	BOTTOM
BRG	BEARING
BUR	BUILT-UP ROOF
CAB	CABINET
CUH	CABINET UNIT HEATER
CB	CHALKBOARD/CATCH BASIN
CEM	CEMENT
CER	CERAMIC
CFM	CUBIC FEET PER MINUTE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMP	COMPACTED
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS/CONTINUE
CONTR	CONTRACTOR
CORR	CORRUGATED
CPL	CEMENT PLASTER
CPT	CARPET
CT	CERAMIC TILE
CU	CONDENSING UNIT
CUSP	CUSPIDOR
CWF	CURTAINWALL FRAMING
D	DEPTH/DEEP
°	DEGREE
DC	DISPLAY CASE
DEMO	DEMOLISH/DEMOLITION
DTL	DETAIL
DF	DRINKING FOUNTAIN
DIA/Ø	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DS	DOWNSPOUT
DWG	DRAWING
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
EIFS	EXTERIOR INSULATION FINISH
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EX/EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FF	FORCED FLOW CABINET HEATER
FHC	FIRE HOSE CABINET
FIN	FINISH
FIN FL	FINISH FLOOR
FLR	FLOOR
FOUND	FOUNDATION
FT/'	FEET
FTG	FOOTING
FRP	FIBERGLASS REINFORCED POLYESTER
GA	GAUGE
GALV	GALVANIZE(D)
GB	GRAB BARS
GHT	GLAZED HOLLOW TILE
GL	GLASS
GLCMU	GLAZED CMU
GLZD	GLAZED
GYP	GYPSUM
H/HGT	HEIGHT
HB	HOSE BIB
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HVAC	HEATING/VENTILATING/AIR CONDITIONING
ID	INSIDE DIAMETER
IN/"	INCH
INCL	INCLUDE(D),(ING)
INSUL	INSULATION/INSULATE(D)
INT	INTERIOR
KIT	KITCHEN
JST	JOIST
JT	JOINT
L	LENGTH
LAM	LAMINATE(D)
LAV	LAVATORY
LB/#	POUND
LGF	LIGHT GAUGE FRAMING
LIN	LINOLEUM
LKR	LOCKER
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LMC	LINEAR METAL CEILING
LOC	LOCATION(S)
LP	LOW POINT
MANUF	MANUFACTURER
MAR	MARBLE THRESHOLD
MB	MARKER BOARD
MAS	MASONRY
MAT	MATERIAL/MAT
MAU	MAKE UP AIR UNIT
MAZ	MAXIMUM
MECH	MECHANICAL
MEZZ	MEZZANINE
MIN	MINIMUM/MINUTE
MISC	MISCELLANEOUS
ML	MASONRY LINTEL
MP	METAL PANEL
MWP	METAL WALL PANEL
MO	MASONYOPENING
MET/MTL	METAL
MSF	METAL STUD FRAMING
MT	METAL THRESHOLD
NIC	NOT IN CONTRACT
NO/#	NUMBER
NOM	NOMINAL
NSF	NON-SLIP FINISH
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OHD	OVERHEAD DOOR
OPNG	OPENING
OPP	OPPOSITE
OS	OVERFLOW SUMP
PART	PARTICLE
PART'N	MOVABLE PARTITION
PC	PRECAST CONCRETE
PL	PLATE/PROPERTY LINE
PLAS	PLASTER
PLAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
R	RISER/RADIUM
RB	RESILIENT WALL BASE/RUBBER BASE
RBF	RUBBER FLOORING
RC	RAIN CONDUCTOR
RES	RESILIENT
RS	ROOF SUMP
REF	REFERENCE
REFR	REFRIGERATOR
REINF	REINFORCING
REQ'D	REQUIRED
REV	REVISION(S)
RF	ROOF EXHAUST FAN
RM	REMOVABLE MULLION/ROOM
RO	ROUGH OPENING
RWO	RIGHT OF WAY
RTU	ROOF TOP UNIT
RV	ROOF VENT
S	SINK
SAAC	SPRAY APPLIED ACOUSTICAL COATING
SCHED	SCHEDULE
SEAL	CONCRETE SEALER
SEC	SECTION
SFF	STOREFRONT FRAMING
SHT	SHEET
SIM	SIMILAR
SPEC(S)	SPECIFICATIONS
SP CMU	SPLIT FACE CMU
SPI	SPORTS IMPACT FLOORING
SPKR	SPEAKER
SQ	SQUARE
SS	SERVICE SINK/STAINLESS STEEL
SSM	SOLID SURFACE MATERIAL
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SVT	SOLID VINYL TILE
SV	SHEET VINYL
T	TREAD
T&B	TOP AND BOTTOM
TB	TACK BOARD
TC	TOP OF CURB
TEMP	TEMPERED
TER	TERRAZZO
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TS	TUBE STEEL
TV	TELEVISION
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UV	UNIT VENTILATOR
VCT	VINYL COMPOSITION TILE
VCG	VINYL COVERED GYPSUM BOARD
VERT	VERTICAL
VIF	VERIFY IN FIELD
VUV	VERTICAL UNIT VENTILATOR
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WDSC	WOOD SOUND CONTROL
WH	WATER HEATER
WP	WORKING POINT / WATERPROOF
WWF	WELDED WIRE FABRIC

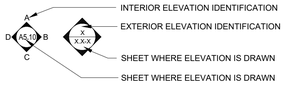
SYMBOL LEGEND



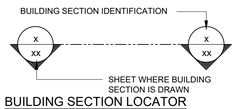
DRAWING SYMBOL



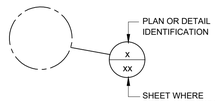
DETAIL LOCATOR



ELEVATION SYMBOL



BUILDING SECTION LOCATOR



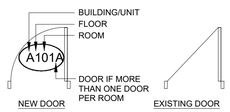
PLAN OR DETAIL BLOW-UP



COLUMN GRID



ROOM NAME AND NUMBER

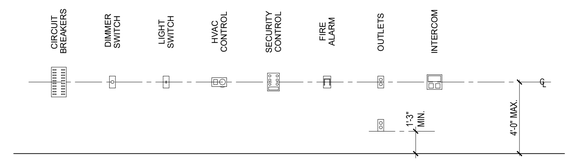


DOOR NUMBER AND SYMBOLS

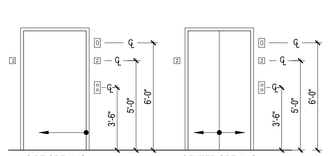


MISCELLANEOUS SYMBOLS

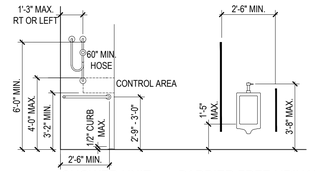
MOUNTING HEIGHTS



CONVENIENCE CONTROLS AND OUTLETS

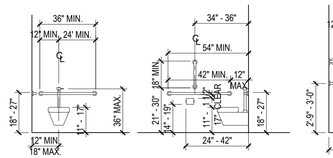


ELEVATORS

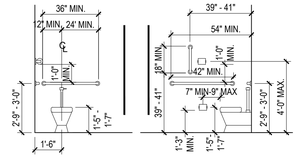


SHOWER UNIT

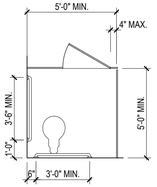
BARRIER FREE URINAL



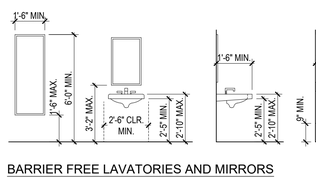
BARRIER FREE WATER CLOSET MOUNTING HEIGHTS FOR CHILDREN



BARRIER FREE WATER CLOSET



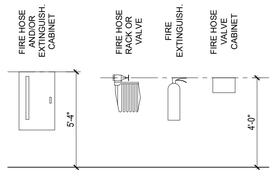
STALL LAYOUT



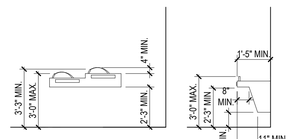
BARRIER FREE LAVATORIES AND MIRRORS

RAMP HANDRAIL

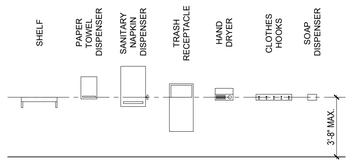
STAIR HANDRAIL



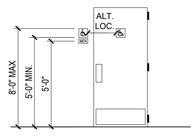
FIRE EXTINGUISHER EQUIPMENT



DRINKING FOUNTAIN/ ELECTRIC WATER COOLER

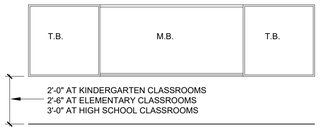


TOILET ROOM ACCESSORIES

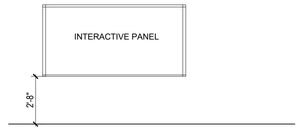


TOILET ROOM SIGNAGE

NOTE: HEIGHT ABOVE FLOOR TO BASELINE OF CHARACTER TO COMPLY WITH ICC/ANSI A117.1-2009 TABLE 703.2.4



TACK BOARDS AND MARKER BOARDS



INTERACTIVE PANEL MOUNTING

KEY PLAN

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

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

PROJECT

Livonia Public Schools
Hydration Stations
Franklin High School

LIVONIA,
MICHIGAN

SHEET

Architectural
Reference
Sheet

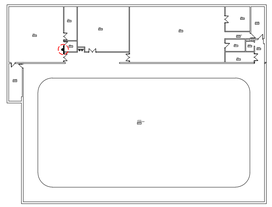
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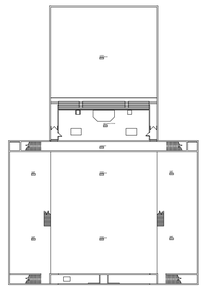
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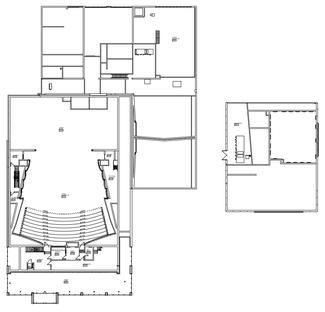
SHEET NUMBER

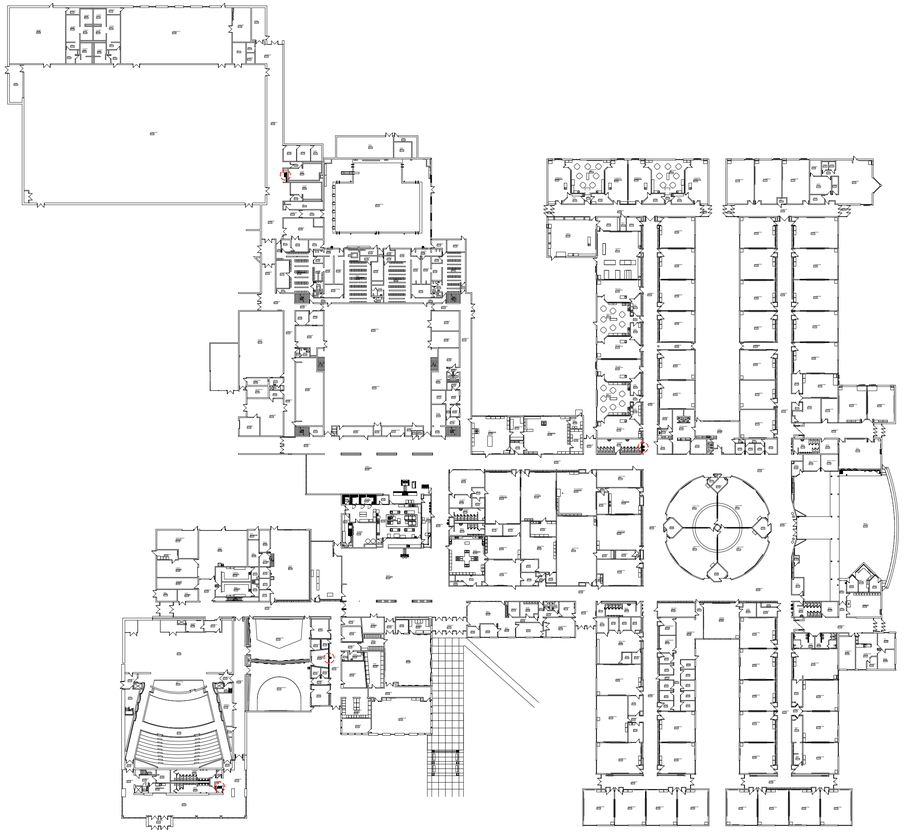
A0.01

2025-040 LPS HYDRATION STATIONS









COMPOSITE SECOND FLOOR CODE PLAN
SCALE: NTS

COMPOSITE FIRST FLOOR CODE PLAN
SCALE: NTS

CODE PLAN INFORMATION

1) DESIGN CODES
a)2021 MICHIGAN REHABILITATION CODE (EXISTING BUILDING)
b)2016 SCHOOL FIRE SAFETY RULES
c)NFPA 101 LIFE SAFETY CODE 2012 EDITION
d)2021 MICHIGAN PLUMBING CODE
e)2021 MICHIGAN MECHANICAL CODE
f) 2021 MICHIGAN UNIFORM ENERGY CODE
g)2023 MICHIGAN ELECTRICAL CODE RULES, PART 8
h)2023 NATIONAL ELECTRICAL CODE (NFPA 70)
i) 2017 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS & FACILITIES

2) DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE (106.6)
a)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)THE LEVEL 2 ALTERATION AREAS ARE BEING 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.
i) FROM TABLE 803.9- CORRIDORS ARE CLASS B FINISHES, ROOMS ARE CLASS C FINISHES
b)INTERIOR FLOOR FINISHES SHALL COMPLY WITH SECTION 804 OF MBC.

7) CHAPTER 8- ALTERATIONS- LEVEL 2
a)SECTION 803.4- NEW INTERIOR FINISHES WILL COMPLY WITH CHAPTER 8 OF THE MICHIGAN BUILDING CODE.
i) FROM TABLE 803.9- CORRIDORS ARE CLASS B FINISHES, ROOMS ARE CLASS C FINISHES
b)803.4.1- THE NEW AND EXISTING FINISHES OF CORRIDORS SERVING THE WORK AREA COMPLY WITH SECTION 804 OF MBC.
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)804.4- THE EXISTING BUILDING HAS AN EXISTING, PREVIOUSLY APPROVED FIRE ALARM SYSTEM (EXCEPTION 1).
iii) 804.4.1.1 THE EXISTING FIRE ALARM SYSTEM IS ALREADY IN PLACE IN THE WORK AREAS AND SHALL BE MAINTAINED. MODIFICATIONS SHALL COMPLY WITH SECTION 907 OF THE MBC.
d)SECTION 805.3- THE EXISTING NUMBER OF EXITS BEING MAINTAINED COMPLY WITH MBC 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 AREAS DO NOT EXCEED 35'
h)805.7- MEANS OF EGRESS AND EMERGENCY LIGHTING ARE PROVIDED AS REQUIRED IN THE LEVEL 1 AND LEVEL 2 ALTERATION AREAS
i) 805.8- 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.
b)11-2.2 THROUGH 11-2.5- EXISTING MEANS OF EGRESS COMPONENTS COMPLY.
c)11-2.6 TRAVEL DISTANCE TO EXITS- EXISTING EXIT TRAVEL DISTANCES ARE BEING MAINTAINED. IN LOCATIONS WHERE THE TRAVEL DISTANCE TO AN EXIT IS BEING CHANGED BY THE ADDITION, THE ROOMS HAVE AN EXIT TRAVEL DISTANCE OF LESS THAN 200'.
d)11-2.8 THROUGH 11-2.10- NEW LIGHT FIXTURES, EMERGENCY LIGHTING AND EXIT SIGNS ARE PART OF THE WORK AND WILL COMPLY.
e)11-3.2- THE EXISTING BOILER ROOM IS SEPARATED FROM THE REST OF THE BUILDING BY A 1 HOUR FIRE BARRIER.
f) 11-3.3- INTERIOR FINISHES OF CORRIDORS ARE CLASS B, MINIMUM. ALL OTHER LOCATIONS ARE CLASS C, MINIMUM.
g)THE EXISTING FIRE ALARM SYSTEM IS BEING MAINTAINED.
h)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.
i) 11-3.7- THE EXISTING BUILDING IS SUB-DIVIDED INTO EXISTING FIRE AREAS.

CODE PLAN LEGEND

REPLACEMENT OR NEW INSTALLATION OF HYDRATION STATION WITH DRINKING FOUNTAIN

INDICATES EXISTING 1-HOUR FIRE RATED WALLS

BUILDING INFORMATION

EXISTING BUILDING AREA: NO CHANGE

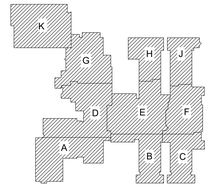
STUDENT POPULATION IS NOT CHANGING

NO CHANGE OF USE

EXISTING BUILDING IS NOT SPRINKLED.

ALTERATION DESCRIPTION:
- INSTALLATION OF NEW OR REPLACEMENT HYDRATION STATIONS WITH DRINKING FOUNTAINS

KEY PLAN



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

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

PROJECT
Livonia Public Schools
Hydration Stations
Franklin High School

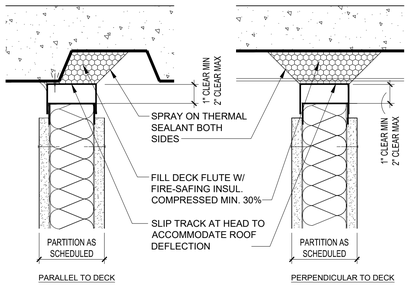
LIVONIA,
MICHIGAN

SHEET
Composite
Code Plan

PROJECT NUMBER
2025-040

SHEET NUMBER
A0.02

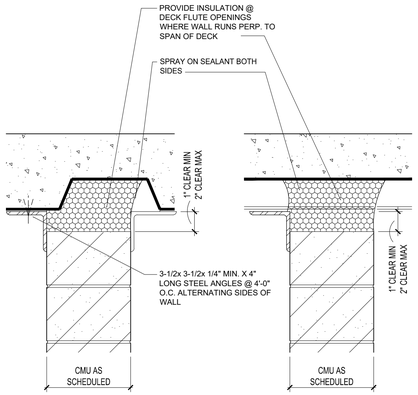
2025-040 LPS HYDRATION STATIONS



E — TYPICAL SMOKE-RATED METAL STUD PARTITION CONSTRUCTION

A0.03

SCALE: NTS



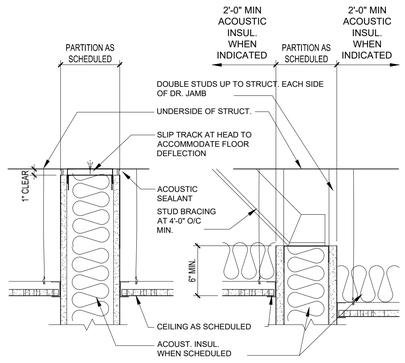
D — TYPICAL NON-RATED CMU PARTITION CONSTRUCTION

A0.03

SCALE: NTS

NOTES:

1. DO NOT ANCHOR VERTICAL STUDS TO TOP RUNNER. ALLOW FOR STRUCTURAL SLAB DEFLECTION.



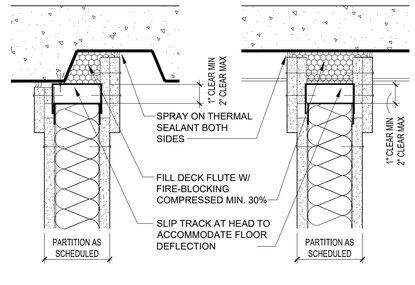
C — TYPICAL NON-RATED STUD PARTITION CONSTRUCTION

A0.03

SCALE: NTS

NOTES:

1. PROVIDE FIRE-BLOCKING @ DECK FLUTE OPENINGS WHERE WALL RUNS PERP. TO SPAN OF DECK
2. ONE (1) OR TWO (2) HOUR RATING: UL DESIGN No. HW-0009
   - SEE SPECIFICATION SECTION PENETRATION FIRESTOPPING.



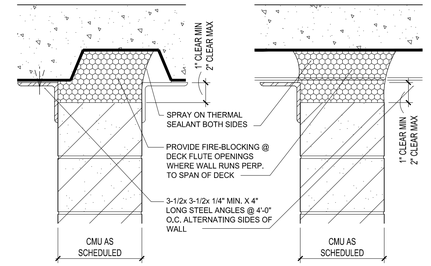
B — TYPICAL FIRE-RATED METAL STUD PARTITION CONSTRUCTION

A0.03

SCALE: NTS

NOTES:

1. PROVIDE FIRE-BLOCKING @ DECK FLUTE OPENINGS WHERE WALL RUNS PERP. TO SPAN OF DECK.
2. DO NOT ANCHOR VERTICAL STUDS TO TOP RUNNER. ALLOW FOR STRUCTURAL SLAB DEFLECTION.
3. ONE (1) HOUR RATING: UL DESIGN No. HW-D-0001
   - SEE SPECIFICATION SECTION PENETRATION FIRESTOPPING.



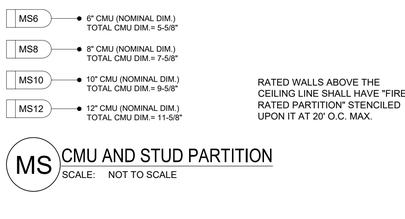
A — TYPICAL FIRE-RATED CMU PARTITION CONSTRUCTION

A0.03

SCALE: NTS

KEY PLAN

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

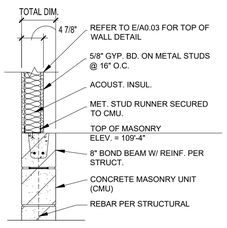


2-M6	UL DESIGN N0. U906 6" CMU (NOMINAL DIM.) TOTAL CMU DIM. = 5-5/8"
2-M8	UL DESIGN NO. U905 8" CMU (NOMINAL DIM.) TOTAL CMU DIM. = 7-5/8"
2-M10	UL DESIGN NO. U905 10" CMU (NOMINAL DIM.) TOTAL CMU DIM. = 9-5/8"
2-M12	UL DESIGN NO. U905 12" CMU (NOMINAL DIM.) TOTAL CMU DIM. = 11-5/8"

2-M — 2-HOUR FIRE-RATED CMU PARTITION

SCALE: NOT TO SCALE

RATED WALLS ABOVE THE CEILING LINE SHALL HAVE "FIRE RATED PARTITION" STENCILED UPON IT AT 20' O.C. MAX.

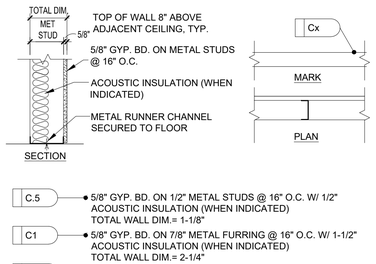


MS6	6" CMU (NOMINAL DIM.) TOTAL CMU DIM.= 5-5/8"
MS8	8" CMU (NOMINAL DIM.) TOTAL CMU DIM.= 7-5/8"
MS10	10" CMU (NOMINAL DIM.) TOTAL CMU DIM.= 9-5/8"
MS12	12" CMU (NOMINAL DIM.) TOTAL CMU DIM.= 11-5/8"

MS — CMU AND STUD PARTITION

SCALE: NOT TO SCALE

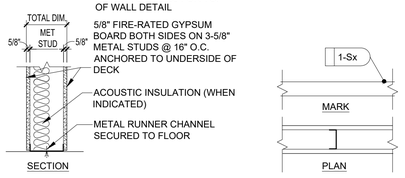
RATED WALLS ABOVE THE CEILING LINE SHALL HAVE "FIRE RATED PARTITION" STENCILED UPON IT AT 20' O.C. MAX.



C.5	5/8" GYP. BD. ON 1/2" METAL STUDS @ 16" O.C. W/ 1/2" ACOUSTIC INSULATION (WHEN INDICATED) TOTAL WALL DIM.= 1-1/8"
C1	5/8" GYP. BD. ON 7/8" METAL FURRING @ 16" O.C. W/ 1-1/2" ACOUSTIC INSULATION (WHEN INDICATED) TOTAL WALL DIM.= 2-1/4"
C3	5/8" GYP. BD. ON 2-1/2" METAL STUDS @ 16" O.C. W/ 2-1/2" ACOUSTIC INSULATION (WHEN INDICATED) TOTAL WALL DIM.= 3-1/8"
C4	5/8" GYP. BD. ON 3-5/8" METAL STUDS @ 16" O.C. W/ 2-1/2" ACOUSTIC INSULATION (WHEN INDICATED) TOTAL WALL DIM.= 4-1/4"

C — STUD PARTITION (CHASE)

SCALE: NOT TO SCALE

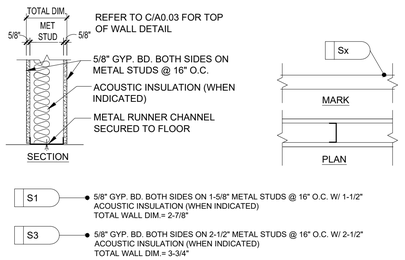


1-S4	UL DESIGN No. U465 5/8" FIRE-RATED GYP. BD. BOTH SIDES ON 3-5/8" METAL STUDS @ 16" O.C. TO UNDERSIDE OF DECK W/ 2-1/2" ACOUSTIC INSULATION (WHEN INDICATED) TOTAL WALL DIM.= 4-7/8"
1-S6	UL DESIGN No. U465 5/8" FIRE-RATED GYP. BD. BOTH SIDES ON 6" METAL STUDS @ 16" O.C. TO UNDERSIDE OF DECK W/ 2-1/2"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

SCALE: NOT TO SCALE

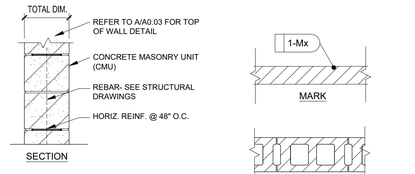
RATED WALLS ABOVE THE CEILING LINE SHALL HAVE "FIRE RATED PARTITION" STENCILED UPON IT AT 20' O.C. MAX.



S1	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	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	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	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	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"

S — STUD WALL PARTITION

SCALE: NOT TO SCALE

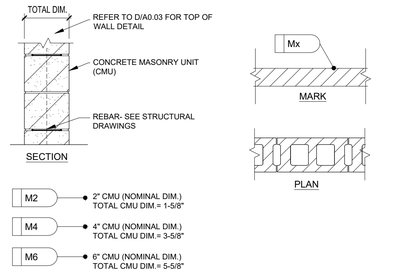


1-M6	UL DESIGN N0. U906 6" CMU (NOMINAL DIM.) TOTAL CMU DIM. = 5-5/8"
1-M8	UL DESIGN NO. U905 8" CMU (NOMINAL DIM.) TOTAL CMU DIM. = 7-5/8"
1-M10	UL DESIGN NO. U905 10" CMU (NOMINAL DIM.) TOTAL CMU DIM. = 9-5/8"
1-M12	UL DESIGN NO. U905 12" CMU (NOMINAL DIM.) TOTAL CMU DIM. = 11-5/8"

1-M — 1-HOUR FIRE-RATED CMU PARTITION

SCALE: NOT TO SCALE

RATED WALLS ABOVE THE CEILING LINE SHALL HAVE "FIRE RATED PARTITION" STENCILED UPON IT AT 20' O.C. MAX.



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

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 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.
5. 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
2851 High Meadow Circle | Suite 100
Auburn Hills | MI 48326
248.656.1377

PROJECT

Livonia Public Schools
Hydration Stations
Franklin High School

LIVONIA,
MICHIGAN

SHEET

Partition Legend and Details

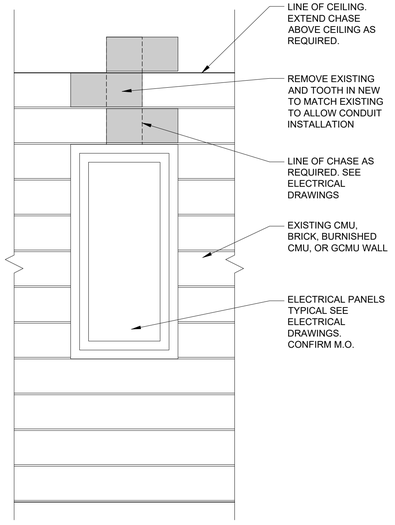
PROJECT NUMBER

2025-040

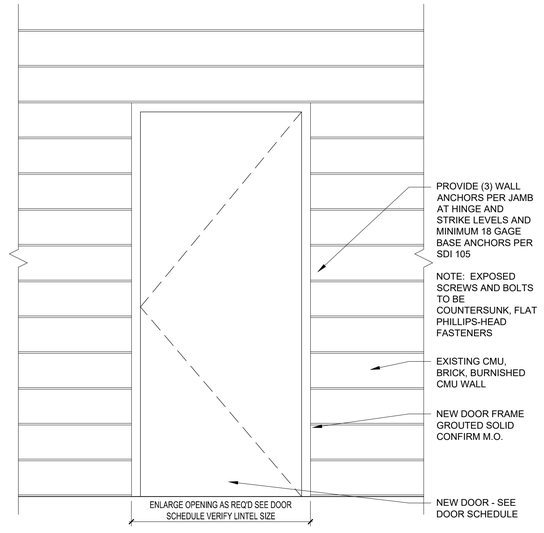
SHEET NUMBER

A0.03

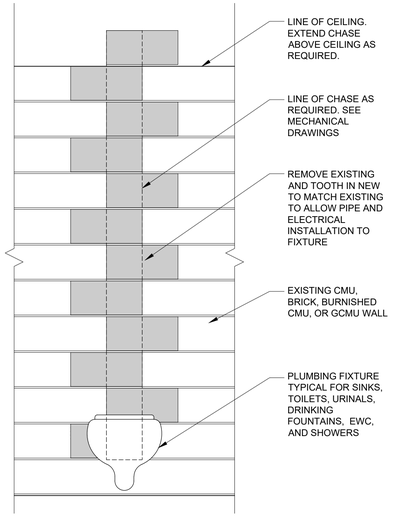
2025-040 LPS HYDRATION STATIONS



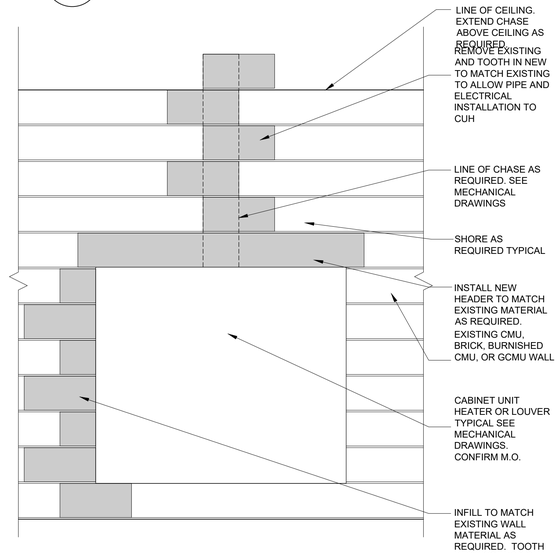
D D2.00 D2.00 TYPICAL ELECTRICAL DEVICE INSTALLATION IN EXISTING WALL
SCALE: 1/2" = 1'-0"



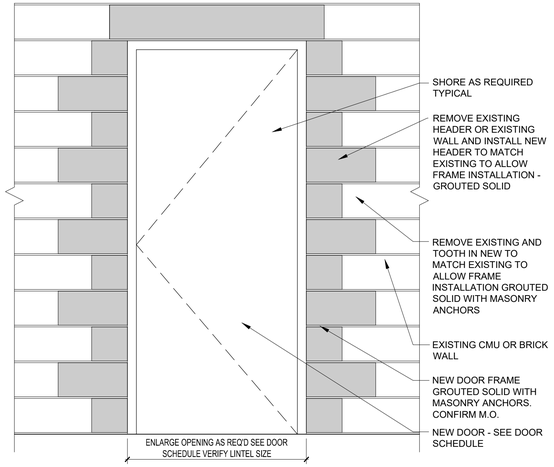
B A3.01 TYPICAL DOOR INSTALLATION IN EXISTING MASONRY WALL OPENING
SCALE: 1/2" = 1'-0"



E D2.00 TYPICAL PLUMBING FIXTURE INSTALLATION IN EXISTING WALL
SCALE: 1/2" = 1'-0"



C D2.00 TYPICAL CABINET UNIT HEATER OR LARGE LOUVER INSTALLATION IN EXISTING WALL
SCALE: 1/2" = 1'-0"



A A3.01A TYPICAL DOOR INSTALLATION IN EXISTING MASONRY WALL
SCALE: 1/2" = 1'-0"

DEMOLITION PLAN KEY NOTES - CONT'D.

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.

DEMOLITION GENERAL NOTES

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.

DEMOLITION PLAN KEY NOTES

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.

KEY PLAN

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

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PROJECT
Livonia Public Schools
Hydration Stations
Franklin High School

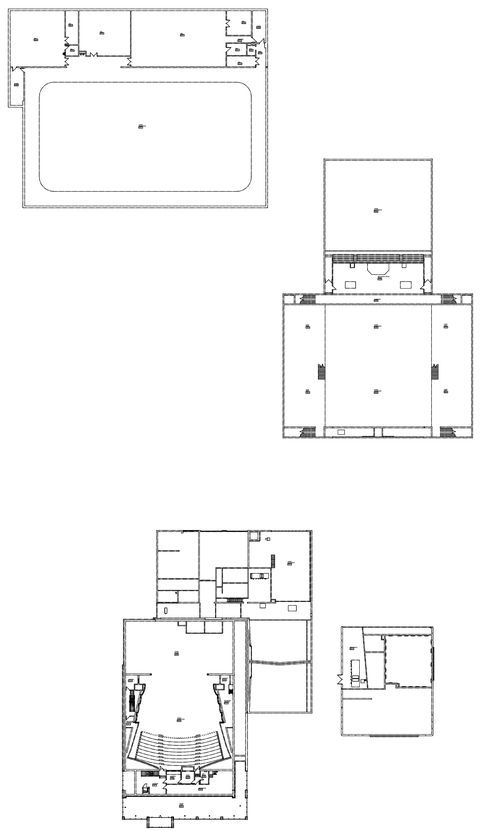
LIVONIA,
MICHIGAN

SHEET
General Demolition
Notes and Details

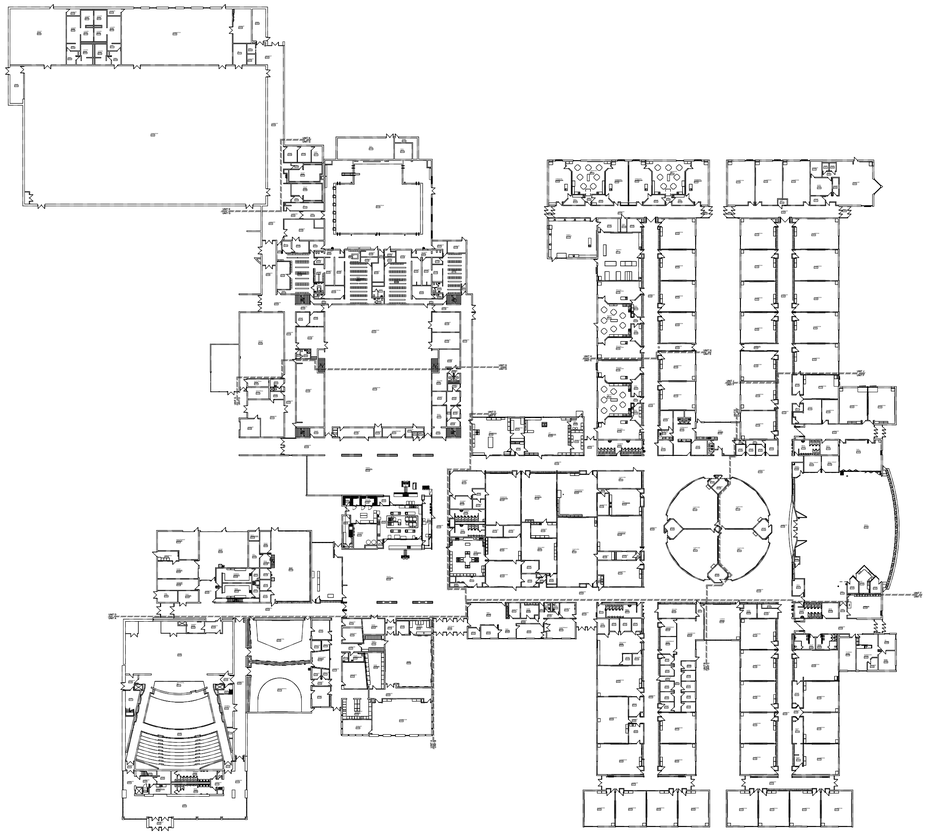
PROJECT NUMBER
2025-040

SHEET NUMBER
AD2.00

2025-040\PLOT\PRINTSTATION2

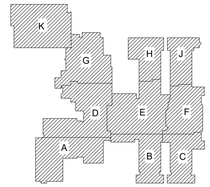


COMPOSITE SECOND FLOOR DEMOLITION PLAN
SCALE: 1" = 40'-0"



COMPOSITE FIRST FLOORDEMOLITION PLAN
SCALE: 1" = 40'-0"

KEY PLAN



ISSUE DATE	ISSUED FOR
08/08/2025	BIDS

DRAWN	GRS
CHECKED	AMN
APPROVED	DCJ

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PROJECT
Livonia Public Schools
Hydration Stations
Franklin High School

LIVONIA,
MICHIGAN

SHEET
Composite
Demolition Plan

PROJECT NUMBER
2025-040

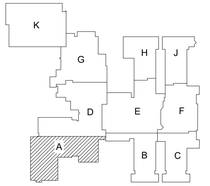
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AD2.01

2025-040 LPS HYDRATION STATIONS

DEMOLITION PLAN NOTES

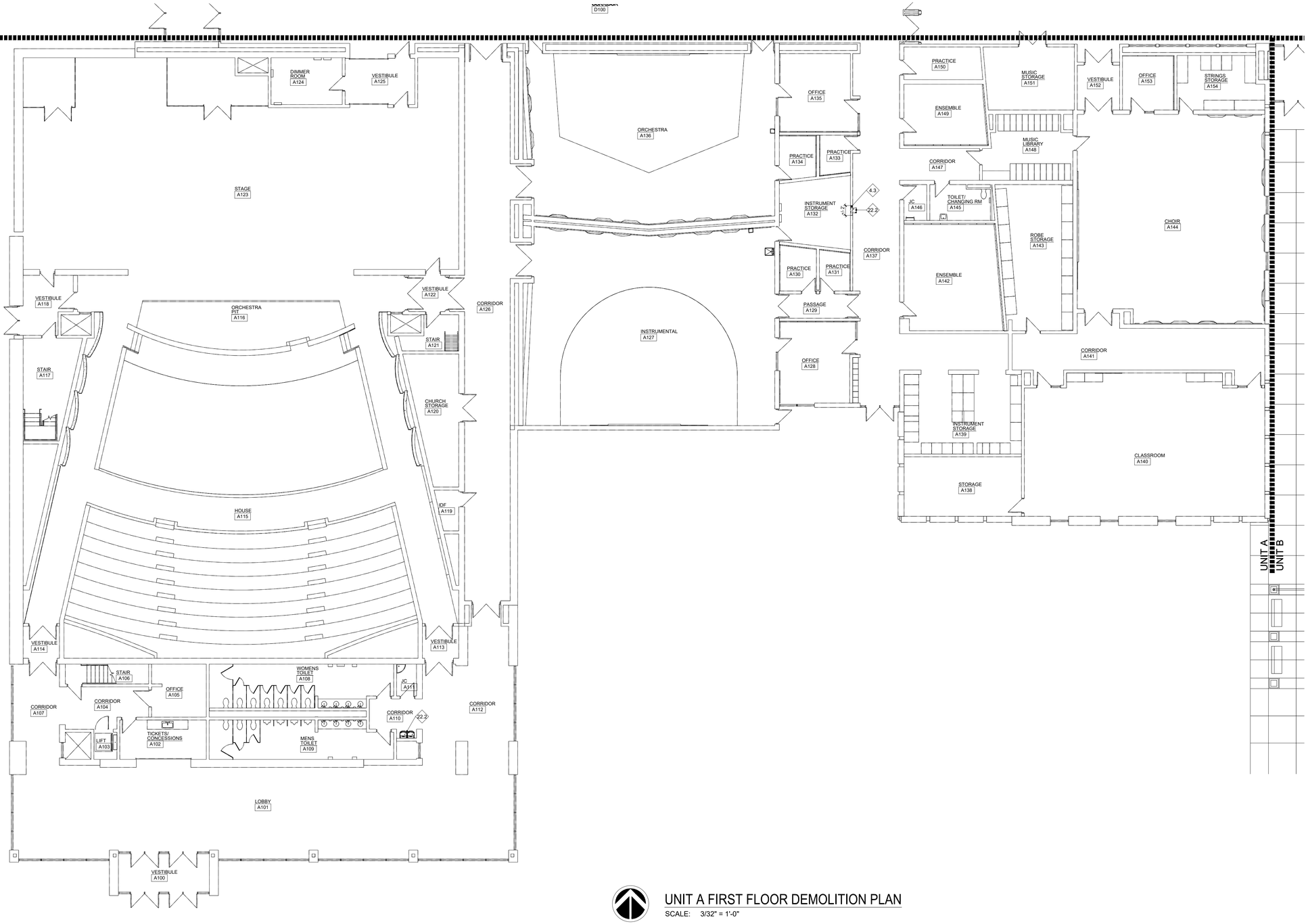
1. REFER TO SHEET AD2.00 FOR DEMOLITION GENERAL NOTES AND KEY NOTES.
2. = = = = DASHED LINES REPRESENTS DEMOLITION

KEY PLAN



ISSUE DATE	ISSUED FOR
08/08/2025	BIDS
DRAWN	GRS
CHECKED	AMN
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UNIT D
UNIT A



UNIT A FIRST FLOOR DEMOLITION PLAN

SCALE: 3/32" = 1'-0"

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PROJECT

Livonia Public Schools
Hydration Stations
Franklin High School

LIVONIA,
MICHIGAN

SHEET

Unit A
First Floor
Demolition Plan

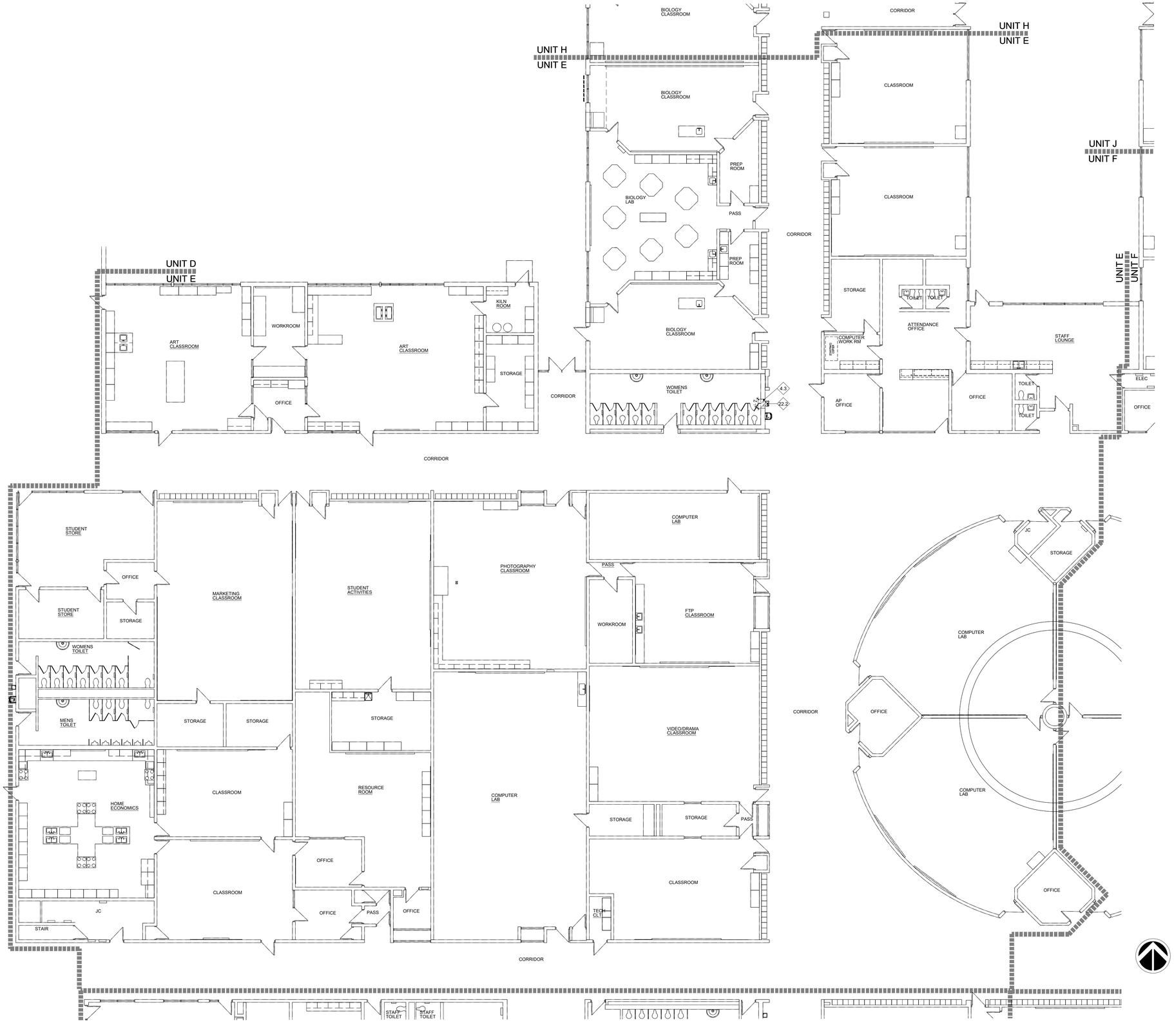
PROJECT NUMBER

2025-040

SHEET NUMBER

AD2.10A

2025-040 LPS HYDRATION STATIONS

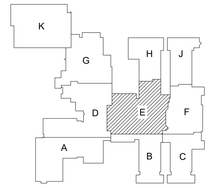


DEMOLITION PLAN NOTES

1. REFER TO SHEET AD2.00 FOR DEMOLITION GENERAL NOTES AND KEY NOTES.
2. = = = = DASHED LINES REPRESENTS DEMOLITION

UNIT E FIRST FLOOR DEMOLITION PLAN
SCALE: 3/32" = 1'-0"

KEY PLAN



ISSUE DATE	ISSUED FOR
08/08/2025	BIDS
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CHECKED	AMN
APPROVED	DCJ

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PROJECT
Livonia Public Schools
Hydration Stations
Franklin High School

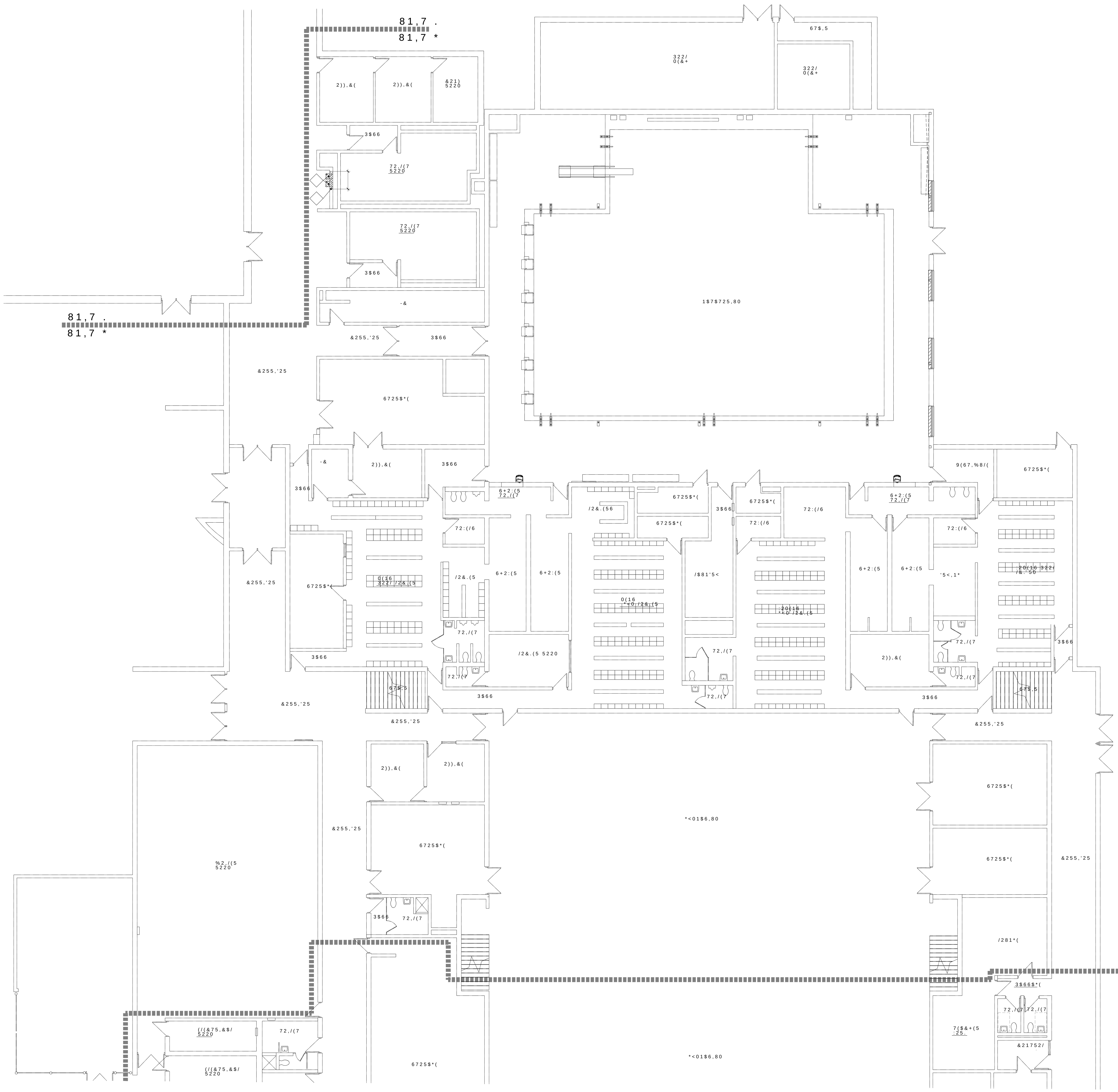
LIVONIA,
MICHIGAN

SHEET
Unit E
First Floor
Demolition Plan

PROJECT NUMBER
2025-040

SHEET NUMBER
AD2.10E

2025-040 LPS HYDRATION STATIONS



UNIT G FIRST FLOOR DEMOLITION PLAN

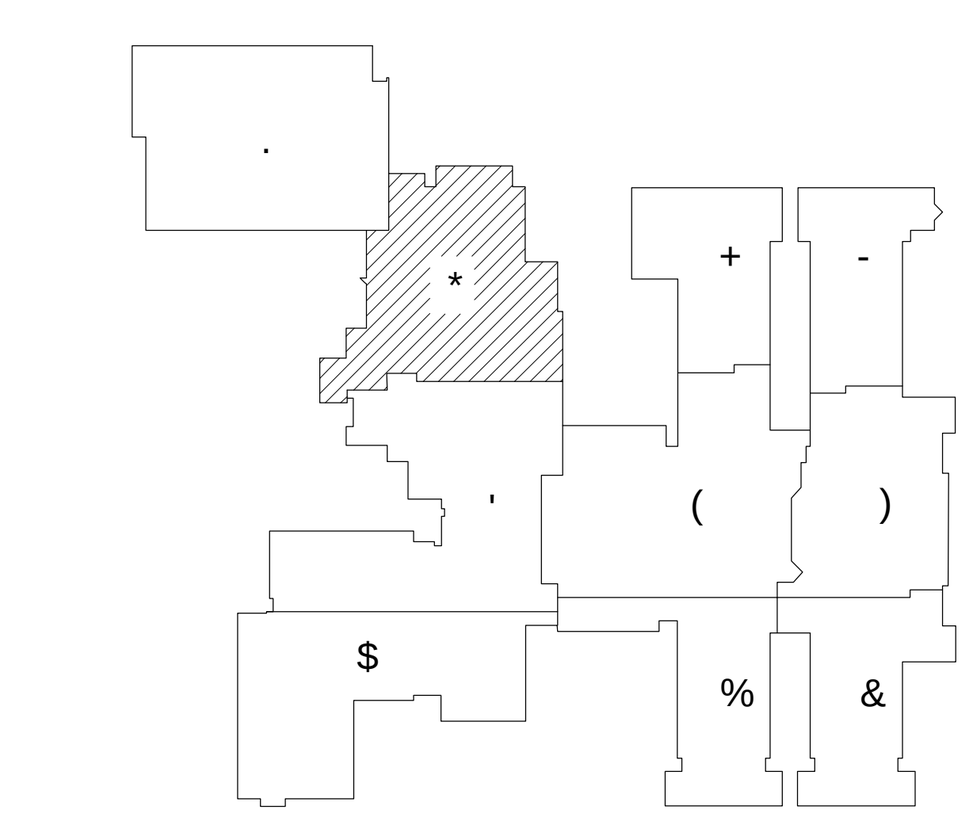
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FRENCH

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SHEET

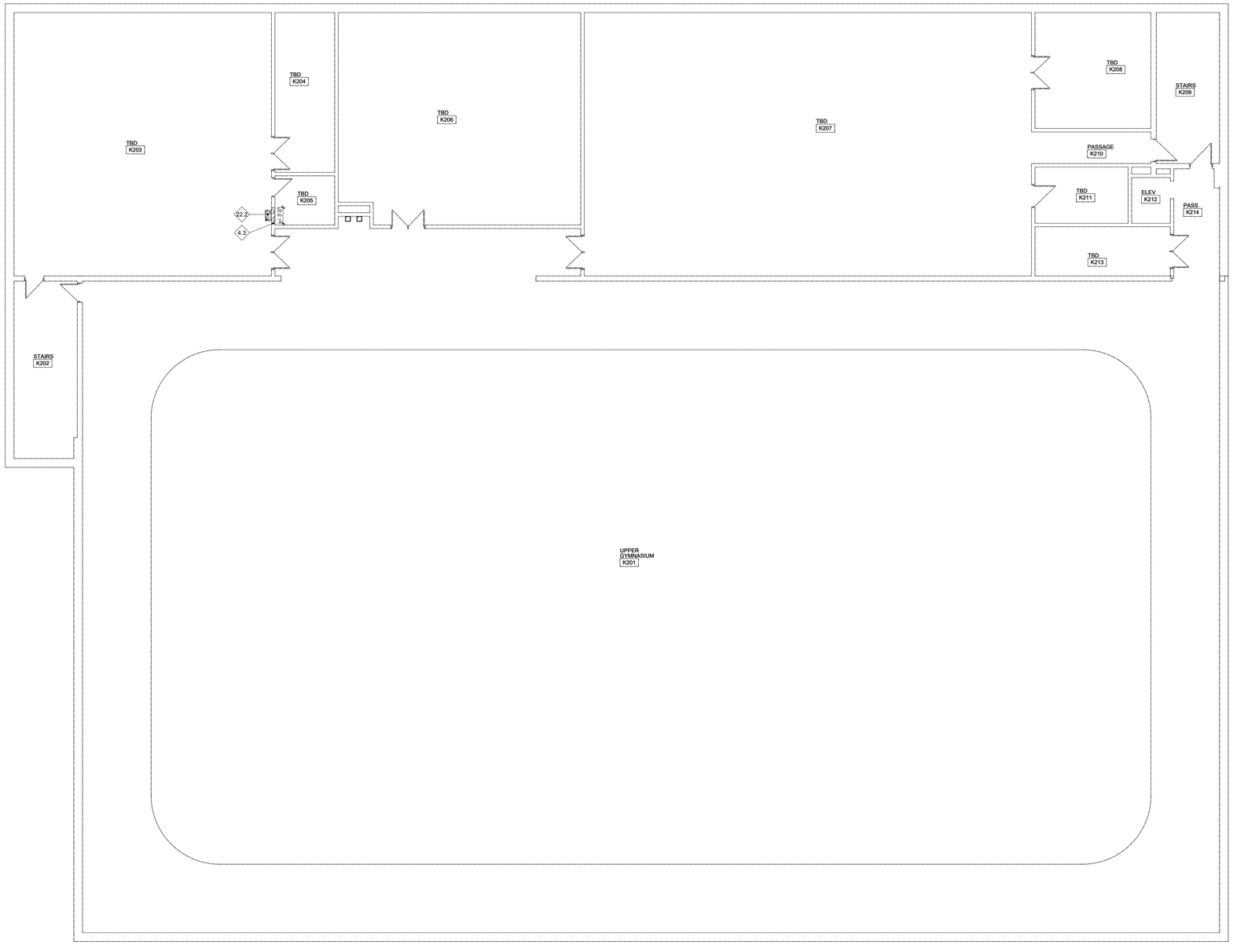
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PROJECT NUMBER

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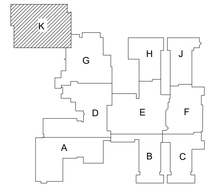


UNIT K MEZZANINE FLOOR PLAN
SCALE: 3/32" = 1'-0"

DEMOLITION PLAN NOTES

1. REFER TO SHEET AD2.00 FOR DEMOLITION GENERAL NOTES AND KEY NOTES.
2. = = = = DASHED LINES REPRESENTS DEMOLITION

KEY PLAN



ISSUE DATE	ISSUED FOR
08/08/2025	BIDS

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APPROVED	DCJ

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PROJECT

Livonia Public Schools
Hydration Stations
Franklin High School

LIVONIA,
MICHIGAN

SHEET

Unit K
Mezzanine
Demolition Plan

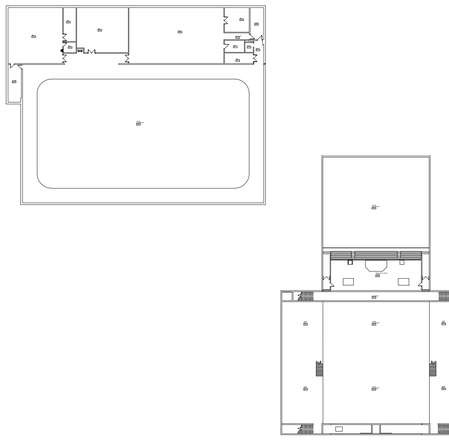
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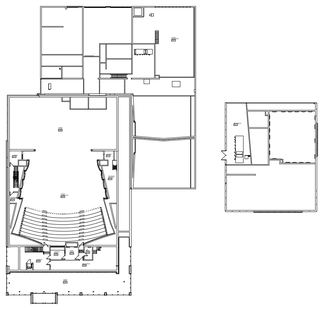
2025-040

SHEET NUMBER

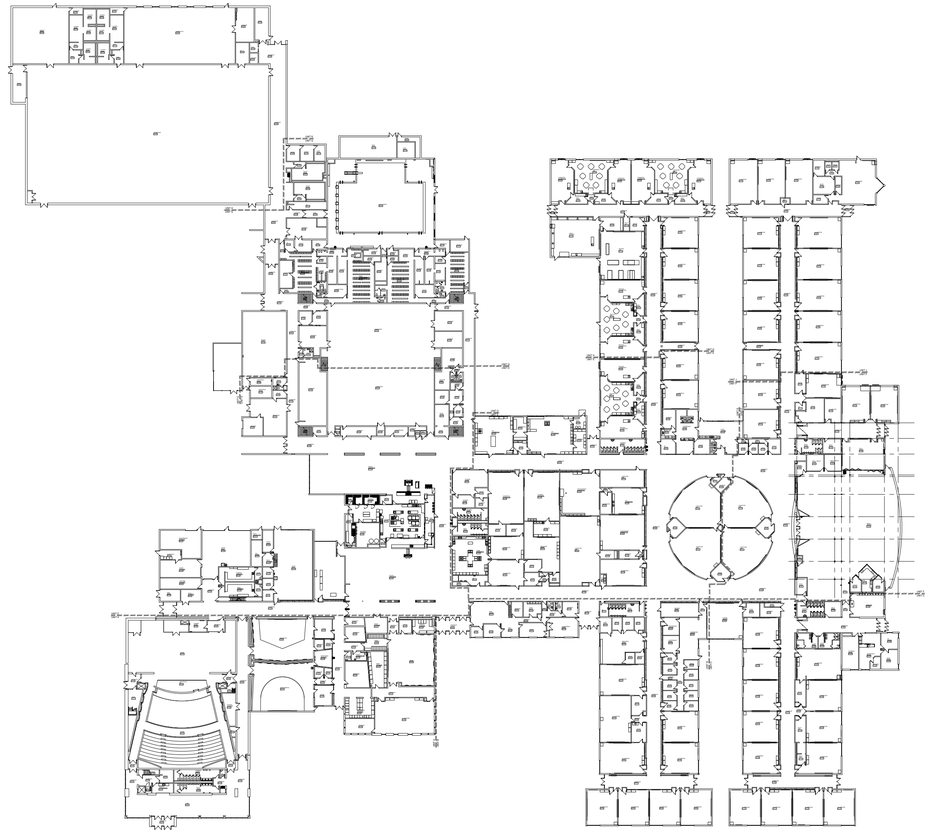
AD2.20K

2025-040 LPS HYDRATION STATIONS



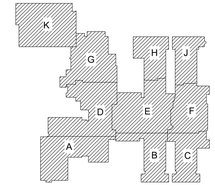


COMPOSITE SECOND FLOOR PLAN
SCALE: 1" = 40'-0"



COMPOSITE FIRST FLOOR PLAN
SCALE: 1" = 40'-0"

KEY PLAN



ISSUE DATE	ISSUED FOR
08/08/2025	BIDS
DRAWN	GRS
CHECKED	AMN
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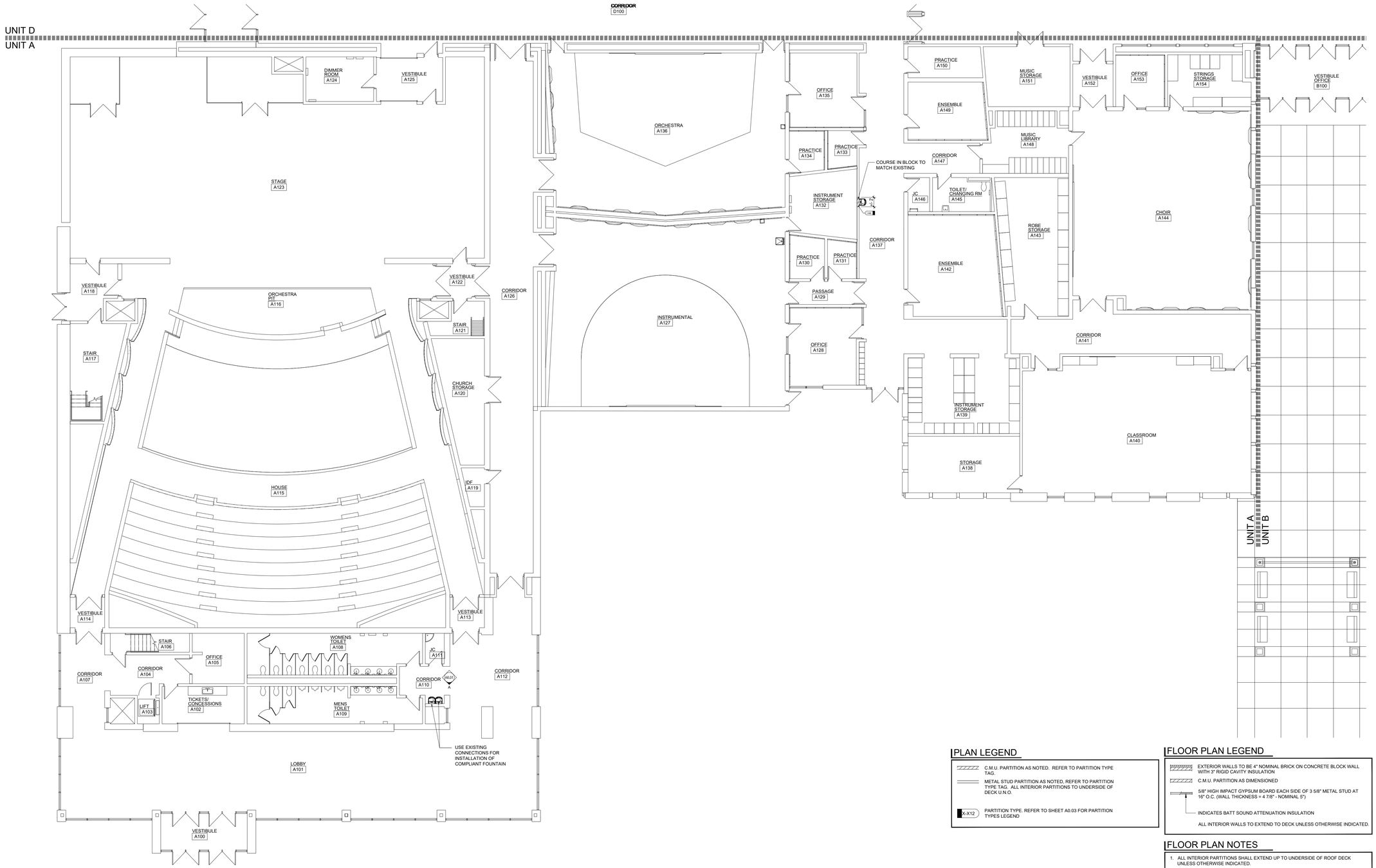
PROJECT
Livonia Public Schools
Hydration Stations
Franklin High School

LIVONIA,
MICHIGAN

SHEET
Composite
Plan

PROJECT NUMBER
2025-040

SHEET NUMBER
A2.01



UNIT A FIRST FLOOR PLAN

SCALE: 3/32" = 1'-0"

PLAN LEGEND

- 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.
- K-X12 — PARTITION TYPE. REFER TO SHEET A0.03 FOR PARTITION TYPES LEGEND

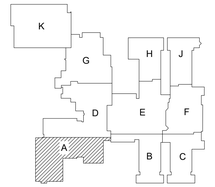
FLOOR PLAN LEGEND

- EXTERIOR WALLS TO BE 4" NOMINAL BRICK ON CONCRETE BLOCK WALL WITH 3" RIGID CAVITY 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.

FLOOR PLAN NOTES

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. INFILL EXISTING EXTERIOR LOUVERS OPENINGS WITH NEW BRICK TO MATCH EXISTING. TOOTH-IN TO MATCH COURSING - TYPICAL.
4. COORDINATE EXACT LOCATION FOR NEW CASEWORK IN FIELD.
5. EXISTING WALLS WITH REPLACEMENT FIRE RATED DOORS AND/OR FRAMES TO EXTEND TO DECK WITH RATED WALL (STUD WALL ACCEPTABLE ABOVE CEILING TO DECK) - VERIFY EXTENTS IN FIELD WITH EXISTING CONDITIONS.

KEY PLAN



ISSUE DATE	ISSUED FOR
08/08/2025	BIDS
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APPROVED	DCJ

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PROJECT

Livonia Public Schools
Hydration Stations
Franklin High School

LIVONIA,
MICHIGAN

SHEET

Unit A
First Floor Plan

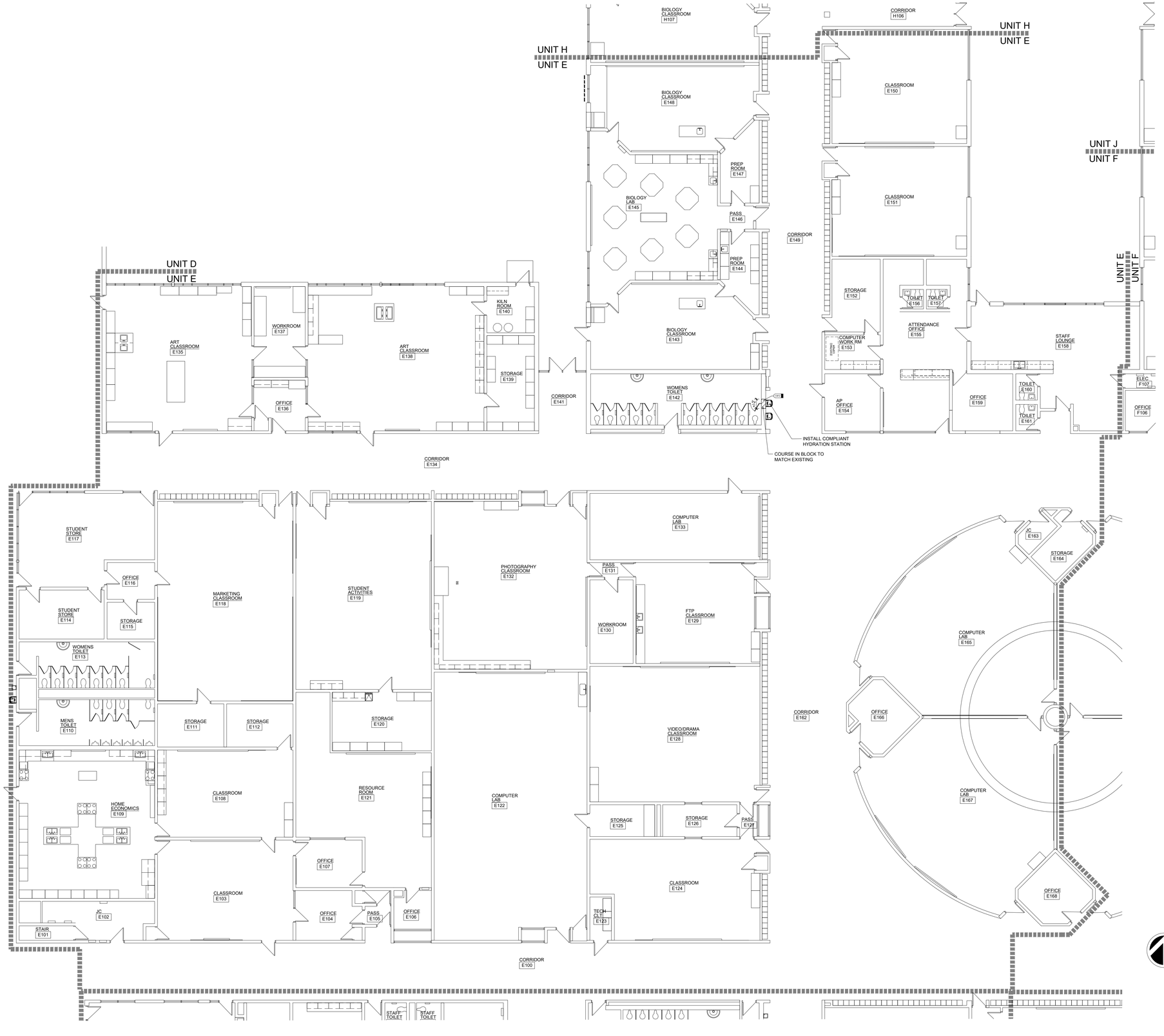
PROJECT NUMBER

2025-040

SHEET NUMBER

A2.10A

2025-040_LPS HYDRATION STATIONS



FLOOR PLAN LEGEND

- EXTERIOR WALLS TO BE 4" NOMINAL BRICK ON CONCRETE BLOCK WALL WITH 3" RIGID CAVITY 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.

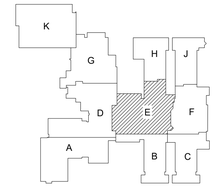
FLOOR PLAN NOTES

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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.

PLAN LEGEND

- 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.
- X-X12 — PARTITION TYPE. REFER TO SHEET A0.03 FOR PARTITION TYPES LEGEND

KEY PLAN



ISSUE DATE	ISSUED FOR
08/08/2025	BIDS
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UNIT E FIRST FLOOR PLAN
SCALE: 3/32" = 1'-0"

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PROJECT
Livonia Public Schools
Hydration Stations
Franklin High School

LIVONIA,
MICHIGAN

SHEET
Unit E
First Floor Plan

PROJECT NUMBER
2025-040

SHEET NUMBER
A2.10E

2025-040 LPS HYDRATION STATIONS



UNIT G FIRST FLOOR PLAN
SCALE: 3/32" = 1'-0"

FLOOR PLAN LEGEND

- EXTERIOR WALLS TO BE 4" NOMINAL BRICK ON CONCRETE BLOCK WALL WITH 3" RIGID CAVITY 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.

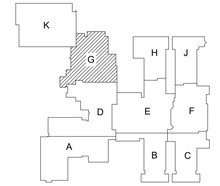
FLOOR PLAN NOTES

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PLAN LEGEND

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- METAL STUD PARTITION AS NOTED, REFER TO PARTITION TYPE TAG. ALL INTERIOR PARTITIONS TO UNDERSIDE OF DECK U.N.O.
- X-X12 PARTITION TYPE. REFER TO SHEET A0.03 FOR PARTITION TYPES LEGEND

KEY PLAN



ISSUE DATE	ISSUED FOR
08/08/2025	BIDS

DRAWN	GRS
CHECKED	AMN
APPROVED	DCJ

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PROJECT
Livonia Public Schools
Hydration Stations
Franklin High School

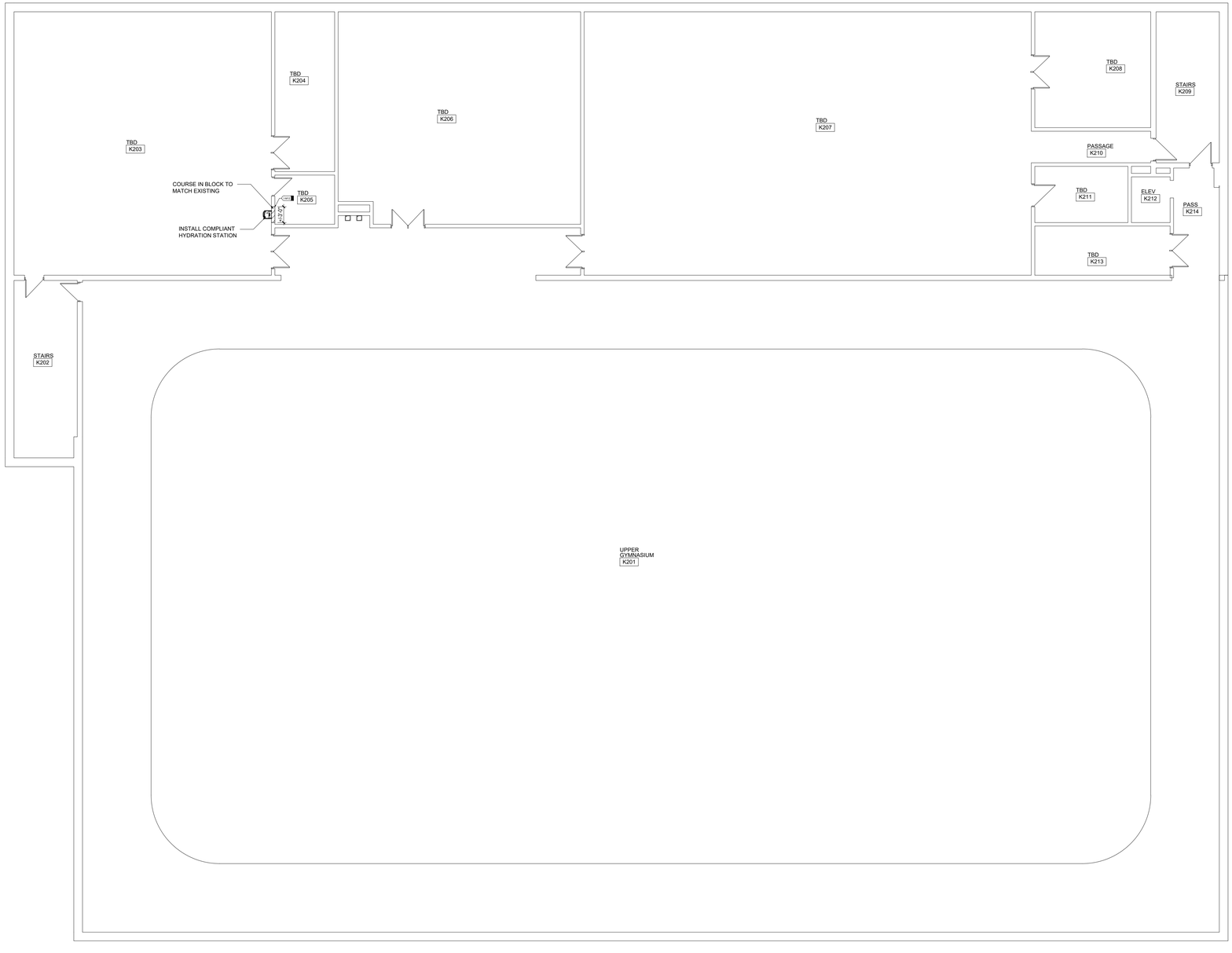
LIVONIA,
MICHIGAN

SHEET
Unit G
First Floor Plan

PROJECT NUMBER
2025-040

SHEET NUMBER
A2.10G

2025-040 LPS HYDRATION STATIONS



FLOOR PLAN LEGEND

- EXTERIOR WALLS TO BE 4" NOMINAL BRICK ON CONCRETE BLOCK WALL WITH 3" RIGID CAVITY 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
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FLOOR PLAN NOTES

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.

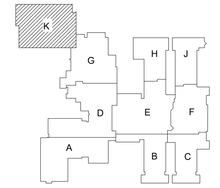
PLAN LEGEND

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- METAL STUD PARTITION AS NOTED, REFER TO PARTITION TYPE TAG. ALL INTERIOR PARTITIONS TO UNDERSIDE OF DECK U.N.O.
- X-X12 — PARTITION TYPE. REFER TO SHEET A0.03 FOR PARTITION TYPES LEGEND

UNIT K MEZZANINE FLOOR PLAN

SCALE: 3/32" = 1'-0"

KEY PLAN



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

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PROJECT

Livonia Public Schools
Hydration Stations
Franklin High School

LIVONIA,
MICHIGAN

SHEET

Unit K
Mezzanine Floor Plan

PROJECT NUMBER

2025-040

SHEET NUMBER

A2.20K

2025-040 PS HYDRATION STATIONS

MATERIAL AND COLOR SCHEDULE

	KEY	MANUFACTURER	STYLE	COLOR	DESCRIPTION	INSTALLATION / LOCATION NOTES
CEILING	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
WALL BASE	B1	TARKETT	RUBBER WALL BASE	MATCH EXISTING	ROLLED RUBBER GOOD	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
FLOORING	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
WALL TILE	-	-	-	-	-	-
	-	-	-	-	-	-
	CT1	DALTILE	COLOR WHEEL CLASSIC	NAVY K189	3" x 6"	DRINKING FOUNTAIN TILE INFILL
	CT2	DALTILE	COLOR WHEEL CLASSIC	CURRANT SH17	3" x 6"	DRINKING FOUNTAIN TILE INFILL
	-	-	-	-	-	-
	-	-	-	-	-	-
PAINT	P1SG-A	SHERWIN WILLIAMS	MATCH EXISTING SHEEN	MATCH EXISTING	SINGLE COMPONENT EPOXY	MATCH EXISTING FIELD COLOR
	-	-	-	-	-	-
	P1SG-B	SHERWIN WILLIAMS	MATCH EXISTING SHEEN	MATCH EXISTING	SINGLE COMPONENT EPOXY	MATCH EXISTING CORRIDOR STRIPE
	-	-	-	-	-	-
	P1SG-C	SHERWIN WILLIAMS	MATCH EXISTING SHEEN	MATCH EXISTING	SINGLE COMPONENT EPOXY	MATCH EXISTING CORRIDOR STRIPE
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
MILLWORK	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
MISCELLANEOUS	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
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	-	-	-	-	-	-
	-	-	-	-	-	-

ROOM FINISH SCHEDULE UNIT A

RM. NO.	ROOM NAME	FLOOR		BASE		WALLS								DOOR FRAME	CEILING			MILLWORK/CASEWORK		REMARKS
						NORTH		EAST		SOUTH		WEST								
		MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH		MAT.	FINISH	HGT.	M/C	FINISH	
A110	CORRIDOR	-	-	-	-	-	-	-	-	EX/CT	EX/CT1, CT2	-	-	-	-	-	-	-	-	1
A137	CORRIDOR	-	-	EX/RB	EX/B1	-	-	-	-	-	-	EX/CMU	EX/P1SG-A, P1SG-B, P1SG-C	-	-	-	-	-	-	2

ROOM FINISH SCHEDULE UNIT E

RM. NO.	ROOM NAME	FLOOR		BASE		WALLS								DOOR FRAME	CEILING			MILLWORK/CASEWORK		REMARKS
						NORTH		EAST		SOUTH		WEST								
		MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH		MAT.	FINISH	HGT.	M/C	FINISH	
E149	CORRIDOR	-	-	EX/RB	EX/B1	-	-	-	-	-	-	EX/CMU	EX/P1SG-A, P1SG-B	-	-	-	-	-	-	2

ROOM FINISH SCHEDULE UNIT G

RM. NO.	ROOM NAME	FLOOR		BASE		WALLS								DOOR FRAME	CEILING			MILLWORK/CASEWORK		REMARKS
						NORTH		EAST		SOUTH		WEST								
		MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH		MAT.	FINISH	HGT.	M/C	FINISH	
G161	CORRIDOR	-	-	-	-	-	-	EX/CT	EX/CT1, CT2	-	-	-	-	-	-	-	-	-	-	1

ROOM FINISH SCHEDULE MEZZANINE - UNIT G

RM. NO.	ROOM NAME	FLOOR		BASE		WALLS								DOOR FRAME	CEILING			MILLWORK/ CASEWORK		REMARKS
						NORTH		EAST		SOUTH		WEST								
		MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH		MAT.	FINISH	HGT.	M/C	FINISH	
K203	TBD	-	-	EX/RB	EX/B1	-	-	EX/CMU	EX/P1SG-A	-	-	-	-	-	-	-	-	-	-	3
K205	TBD	-	-	EX/RB	EX/B1	-	-	-	-	-	-	EX/CMU	EX/P1SG-A	-	-	-	-	-	-	3

ROOM FINISH SCHEDULE ABBREVIATIONS

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

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 & A9 SERIES SHEETS FOR PAINT DESIGNATIONS.

C. SEE THE 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 AND DIRECTED BY OWNER

F. DO NOT PAINT OVER ANY EXISTING EXPOSED BRICK

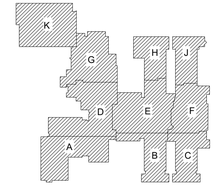
H. PROVIDE METAL SCHLUTER STRIP AT BOTTOM OF NEW WALL TILE AND OUTSIDE WALL CORNERS - TYP.

I. ALL AREAS OF PEELING COATING MUST BE REMOVED TO A SOUND SUBSTRATE AND CLEANED TO REMOVE ANY OILS, GREASE OR OTHER SOLUBLE CONTAMINANTS.

ROOM FINISH SCHEDULE REMARKS

1. INSTALL NEW WALL TILE AS REQUIRED FOR NEW HYDRATION STATIONS - REFER TO ELEVATIONS
2. PATCH AND PAINT WALL AND INSTALL NEW WALL BASE AS REQUIRED FOR NEW HYDRATION STATIONS - MATCH EXISTING WALL STRIPE
3. PATCH AND PAINT WALL AND INSTALL NEW WALL BASE AS REQUIRED FOR NEW HYDRATION STATION

KEY PLAN



ISSUE DATE	ISSUED FOR
08/08/2025	BIDS
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	-
	-
	-
	-
	-
	-
	-
DRAWN	FA
CHECKED	FA
APPROVED	FA

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

PROJECT

Livonia Public Schools
Hydration Stations
Franklin High School

LIVONIA,
MICHIGAN

SHEET

ROOM FINISH SCHEDULE, MATERIAL AND COLOR SCHEDULE

PROJECT NUMBER

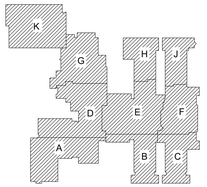
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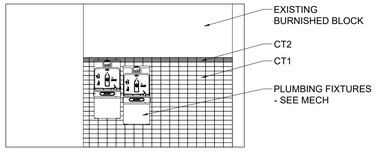
A3.01

2025-040 LPS HYDRATION STATIONS

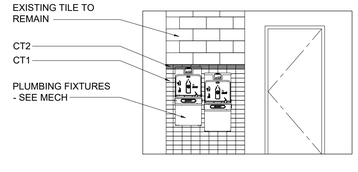
KEY PLAN



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



B / A2.10G CORRIDOR G161
SCALE: 1/4" = 1'-0"



A / A2.10A CORRIDOR A110
SCALE: 1/4" = 1'-0"

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PROJECT

Livonia Public Schools
Hydration Stations
Franklin High School

LIVONIA,
MICHIGAN

SHEET

INTERIOR ELEVATIONS

PROJECT NUMBER

2025-040

SHEET NUMBER

A6.01

2025-040 LPS HYDRATION STATIONS

MECHANICAL ABBREVIATIONS

ABBREV.	DESCRIPTION
AAV	AUTOMATIC AIR VENT / AIR ADMITTANCE VALVE
AD	ACCESS DOOR
AE	AIR EXTRACTOR
AFF	ABOVE FINISHED FLOOR
APD	AIR PRESSURE DROP
ASR	AUTOMATIC SPRINKLER RISER
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNITS PER HOUR
BWV	BACKWATER VALVE
CAP	CAPACITY
CAV	CONSTANT AIR VOLUME
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CIRC	CIRCULATING
CLG	COOLING
CO	CLEAN OUT
CONT	CONTINUATION OR CONTINUED
CONV	CONVECTOR
CUH	CABINET UNIT HEATER
CV	CONTROL VALVE
DB	DRY BULB TEMPERATURE
DEG	DEGREES
DDC	DIRECT DIGITAL CONTROL
DN	DOWN
DTC	DRAIN TILE CONNECTION
DWH	DOMESTIC WATER HEATER
(E)	EXISTING
EA/EXH	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EDB	ENTERING DRY BULB TEMPERATURE
EF	EXHAUST FAN
EJ	EXPANSION JOINT
EL	ELEVATION
ELECT	ELECTRICAL
EMS	ENERGY MANAGEMENT SYSTEM
ESP	EXTERNAL STATIC PRESSURE
EWB	ENTERING WET BULB TEMPERATURE
EWC	ELECTRIC WATER COOLER
°F	DEGREES FAHRENHEIT
FA	FACE AREA (COIL) / FREE AREA (LOUVER)
FC	FLEXIBLE CONNECTION
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FHV	FIRE HOSE VALVE
FLA	FULL LOAD AMPS
FLR	FLOOR
FPM	FEET PER MINUTE
FFD	FUNNEL FLOOR DRAIN
FFE	FINISHED FLOOR ELEVATION
FS	FLOOR SINK
FT	FEET
FURN	FURNISHED
FV	FACE VELOCITY
FVC	FIRE VALVE CABINET
GAL	GALLON
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HO	HUB OUTLET
HP	HORSEPOWER

MECHANICAL ABBREVIATIONS

ABBREV.	DESCRIPTION
HR	HOUR
HTG	HEATING
HYD	HYDRANT
HZ	HERTZ
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCHES
INST	INSTALLED
INV	INVERT
ISP	INTERNAL STATIC PRESSURE
IW	INDIRECT WASTE
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LBS/HR	POUNDS PER HOUR
LDB	LEAVING DRY BULB TEMPERATURE
LRA	LOCKED ROTOR AMPS
LWB	LEAVING WET BULB TEMPERATURE
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MBH	1000 BRITISH THERMAL UNITS PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MOD	MOTOR OPERATED DAMPER (AUTOMATIC)
MOP	MAXIMUM OVER-CURRENT PROTECTION
N.C.	NOISE CRITERIA
NIC	NOT IN CONTRACT
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NOM	NOMINAL
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER / CENTER TO CENTER
OD	OUTSIDE DIAMETER
OED	OPEN ENDED DUCT
ORS	OVERFLOW ROOF SUMP
OS&Y	OUTSIDE SCREW AND YOKE
PD	PRESSURE DROP (FEET OF WATER)
PRV	PRESSURE REDUCING VALVE
PSIA	POUNDS PER SQUARE INCH - ABSOLUTE
PSIG	POUNDS PER SQUARE INCH - GAUGE
PT	PRESSURE / TEMPERATURE PORT
RA	RETURN AIR
RH	RELATIVE HUMIDITY
REQD	REQUIRED
REL.A	RELIEF AIR
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
RS	ROOF SUMP
SA	SUPPLY AIR
SH	SHOWER
SP	STATIC PRESSURE
SqFt / SF	SQUARE FOOT/SQUARE FEET
SS	SERVICE SINK
TC	TEMPERATURE CONTROL
T & P	TEMPERATURE AND PRESSURE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE

MECHANICAL ABBREVIATIONS

ABBREV.	DESCRIPTION
UR	URINAL
VD	VOLUME DAMPER (MANUALLY ADJUSTABLE)
VTR	VENT THRU ROOF
W	WASTE
W&V	WASTE AND VENT
WB	WET BULB TEMPERATURE
WC	WATER CLOSET
WG	WATER GAUGE
WH	WALL HYDRANT

MECHANICAL PIPING SYMBOLS

ABBREV.	DESCRIPTION
	PIPE ELBOW UP
	PIPE ELBOW DOWN
	PIPE TEE DOWN
	DIRECTION OF FLOW
	UNION
	STRAINER
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	EXPANSION JOINT
	FLEXIBLE CONNECTION
	PIPE ANCHOR
	PIPE GUIDE
	PIPE CAP OR PLUG
	ISOLATION VALVE
	CIRCULATING PUMP
	GLOBE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	ANGLE VALVE
	CHECK VALVE (SWING)
	CHECK VALVE (SPRING)
	PLUG VALVE
	NEEDLE VALVE
	OUTSIDE SCREW AND YOKE VALVE (OS&Y)
	PRESSURE REGULATING VALVE
	SOLENOID VALVE
	CONTROL VALVE (2-WAY / 3-WAY)
	CENTRIFUGAL FAN
	AUTOMATIC GAS SHUT-OFF VALVE
	TRAP (PLAN VIEW)
	FLOOR DRAIN / FUNNEL FLOOR DRAIN (PLAN VIEW)
	FLOOR DRAIN / FUNNEL FLOOR DRAIN (ELEVATION)
	ROOF SUMP
CO	CLEAN OUT (IN FLOOR)
CO	CLEAN OUT (IN LINE)
WCO	CLEAN OUT (WALL)
BFP	BACKFLOW PREVENTER
M	WATER METER ASSEMBLY
	HOSE BIBB, WALL HYDRANT
	DIRECTION OF PIPE PITCH
	SPRINKLER HEAD (UPRIGHT)
	SPRINKLER HEAD (SIDEWALL)
FS	FLOW SWITCH
	SIAMESE CONNECTION (YARD)
	SIAMESE CONNECTION (WALL MOUNTED)
	FIRE HYDRANT
	FLOW MEASURING DEVICE
	BALANCING VALVE
	COMBINATION FLOW MEASURING AND BALANCING DEVICE
AAV	AUTOMATIC AIR VALVE
MAV	MANUAL AIR VALVE

MECHANICAL SYMBOLS

ABBREV.	DESCRIPTION
	RECTANGULAR TAKE-OFF (SINGLE LINE)
	RECTANGULAR TAKE-OFF (DOUBLE LINE)
	ROUND TAKE-OFF (SINGLE LINE)
	ROUND TAKE-OFF (DOUBLE LINE)
	SPIN-IN FITTING (WITH VOLUME DAMPER)
	ELBOW (WITH TURNING VANES)
	RADIUS RECTANGULAR ELBOW
	RADIUS ROUND ELBOW
	RECTANGULAR ELBOW UP
	ROUND ELBOW UP
	RECTANGULAR ELBOW DOWN
	ROUND ELBOW DOWN
	CONCENTRIC TRANSITION (DOUBLE LINE)
	CONCENTRIC TRANSITION (SINGLE LINE)
	ECCENTRIC TRANSITION (DOUBLE LINE)
	ECCENTRIC TRANSITION (SINGLE LINE)
R	INCLINED RISE IN DIRECTION OF AIR FLOW (DOUBLE LINE)
R	INCLINED RISE IN DIRECTION OF AIR FLOW (SINGLE LINE)
D	INCLINED DROP IN DIRECTION OF AIR FLOW (DOUBLE LINE)
D	INCLINED DROP IN DIRECTION OF AIR FLOW (SINGLE LINE)
	FLEXIBLE CONNECTION
FD	FLEXIBLE DUCT CONNECTION TO SUPPLY DIFFUSER
	SUPPLY DIFFUSER
	LINEAR SLOT DIFFUSER
	RETURN OR EXHAUST GRILLE
	TRANSFER GRILLE
	CROSS SECTION OF SUPPLY AIR DUCT
	CROSS SECTION OF EXHAUST OR RETURN AIR DUCT
	EXISTING FIRE DAMPER (HORIZONTAL)
	NEW FIRE DAMPER (HORIZONTAL)
	EXISTING FIRE DAMPER (VERTICAL)
	NEW FIRE DAMPER (VERTICAL)
	EXISTING SMOKE DAMPER
	NEW SMOKE DAMPER
	EXISTING COMBINATION FIRE/SMOKE DAMPER (VERTICAL)
	NEW COMBINATION FIRE/SMOKE DAMPER (VERTICAL)
	EXISTING COMBINATION FIRE/SMOKE DAMPER (HORIZONTAL)
	NEW COMBINATION FIRE/SMOKE DAMPER (HORIZONTAL)
	VOLUME DAMPER (MANUALLY ADJUSTABLE)
M	MOTORIZED DAMPER
SD	SMOKE DETECTOR
CO2	CO2 SENSOR
T	THERMOSTAT OR TEMPERATURE SENSOR
H	HUMIDISTAT OR HUMIDITY SENSOR
	RETURN OR EXHAUST / SUPPLY AIR FLOW

PIPING LEGEND

ABBREV.	DESCRIPTION
CA	COMPRESSED AIR PIPING
CD	CONDENSATE DRAIN PIPING
DT	DRAIN TILE
F	FIRE PROTECTION PIPING
FOR	FUEL OIL RETURN PIPING
FOS	FUEL OIL SUPPLY PIPING
G	NATURAL GAS PIPING
BCW	BOOSTED-DOMESTIC COLD WATER PIPING
BHW	BOOSTED-DOMESTIC HOT WATER PIPING
CW	DOMESTIC COLD WATER PIPING
NPCW	NON POTABLE COLD WATER PIPING
TW	TEMPERED WATER PIPING
HW	DOMESTIC HOT WATER PIPING
HW(140°F)	DOMESTIC 140°F HOT WATER PIPING
HWR	DOMESTIC HOT WATER RETURN PIPING
SAN	SANITARY WASTE PIPING
PSAN	PUMPED SANITARY PIPING
V	VENT PIPING
ST	STORM SEWER PIPING
PST	PUMPED STORM PIPING
RC	RAIN CONDUCTOR PIPING
ORC	OVERFLOW RAIN CONDUCTOR PIPING
CHWR	CHILLED WATER RETURN PIPING
CHWS	CHILLED WATER SUPPLY PIPING
CWR	CONDENSER WATER RETURN PIPING
CWS	CONDENSER WATER SUPPLY PIPING
HHWR	HEATING HOT WATER RETURN PIPING
HHWS	HEATING HOT WATER SUPPLY PIPING
HPLR	HEAT PUMP LOOP RETURN PIPING
HPLS	HEAT PUMP LOOP SUPPLY PIPING
RL	REFRIGERANT LIQUID PIPING
RS	REFRIGERANT SUCTION PIPING
HGB	HOT GAS BY-PASS PIPING
GXHR	GEO HEAT EXCHANGE RETURN
GXHS	GEO HEAT EXCHANGE SUPPLY
STM	STEAM PIPING
HPS	HIGH PRESSURE STEAM PIPING
LPS	LOW PRESSURE STEAM PIPING
CR	STEAM CONDENSATE RETURN PIPING
PCR	PUMPED STEAM CONDENSATE RETURN PIPING
LPC	LOW PRESSURE CONDENSATE PIPING
HPC	HIGH PRESSURE CONDENSATE PIPING
MA	MEDICAL AIR PIPING
N	NITROGEN GAS PIPING
O2	OXYGEN GAS PIPING
VAC	VACUUM PIPING

DRAWING INDEX

SHT NO	DESCRIPTION
P0.00	PLUMBING GENERAL INFORMATION
P1.01	COMPOSITE PLUMBING FIRST FLOOR PLAN
P1.02	COMPOSITE PLUMBING SECOND FLOOR PLAN
PD4.10	ENLARGED PLUMBING DEMOLITION FLOOR PLANS
P4.10	ENLARGED PLUMBING NEW WORK FLOOR PLANS

DRAWING NOTATION

SYMBOL	DESCRIPTION
1	NEW WORK KEY NOTE NO. 1
1	DEMOLITION KEY NOTE NO. 1
AHU-1	EQUIPMENT TAG
S-1 12x12 150-2	AIR TERMINAL TAG: IE: DIFFUSER TYPE = S-1 NECK SIZE = 12x12 CFM = 150 (TYPICAL FOR 2)
	EXISTING DEVICES OR EQUIPMENT
	NEW OR MODIFIED DEVICES OR EQUIPMENT
	EXISTING SYSTEM COMPONENT TO BE REMOVED
	POINT OF NEW CONNECTION

S = SUPPLY
R = RETURN
E = EXHAUST
T = TRANSFER

APPLICABLE CODES AND REGULATIONS

YEAR	CODE
2021	MICHIGAN BUILDING CODE
2018	MICHIGAN REHABILITATION CODE FOR EXISTING BUILDINGS
2021	MICHIGAN PLUMBING CODE
2021	MICHIGAN MECHANICAL CODE
2019	MICHIGAN UNIFORM ENERGY CODE
2021	INTERNATIONAL FUEL GAS CODE
2012	NFPA 101 WITH BFS AMENDMENTS

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

FRENCH

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Auburn Hills | MI 48326
248.656.1377

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

PROJECT

Livonia Public Schools Hydration Stations Franklin High School

LIVONIA,
MICHIGAN

SHEET

PLUMBING GENERAL INFORMATION

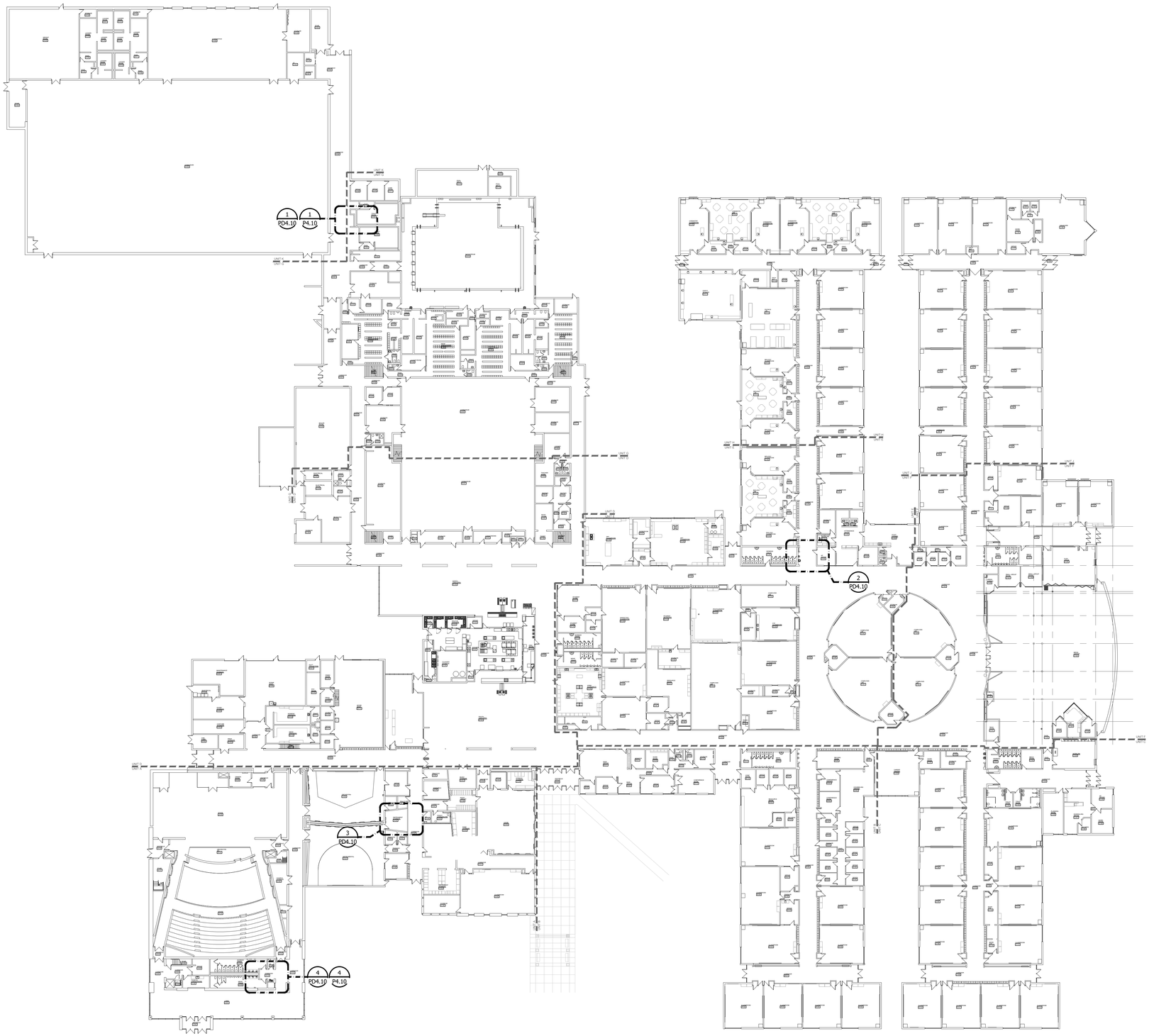
PROJECT NUMBER

2025-040

SHEET NUMBER

P0.00

2025-040 LPS HYDRATION STATIONS



COMPOSITE PLUMBING FIRST FLOOR PLAN
SCALE: N.T.S.

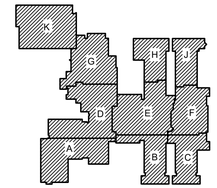
GENERAL DEMOLITION NOTES

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 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 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 OWNER-PROVIDED EQUIPMENT.
F	VERIFY DEPTH, SIZE, LOCATIONS, AND CONDITIONS OF EXISTING UTILITIES IN THE FIELD, INCLUDING POINTS OF CONNECTION, PRIOR TO STARTING 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.

PLUMBING GENERAL NOTES

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KEY PLAN



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248.656.1377

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

PROJECT

Livonia Public Schools
Hydration Stations
Franklin High School

LIVONIA,
MICHIGAN

SHEET

COMPOSITE PLUMBING
FIRST FLOOR PLAN

PROJECT NUMBER

2025-040

SHEET NUMBER

P1.01

2025-040 LPS HYDRATION STATIONS



COMPOSITE PLUMBING SECOND FLOOR PLAN
SCALE: N.T.S.

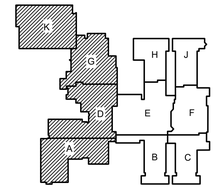
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PROJECT

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Hydration Stations
Franklin High School

LIVONIA,
MICHIGAN

SHEET

COMPOSITE PLUMBING
SECOND FLOOR PLAN

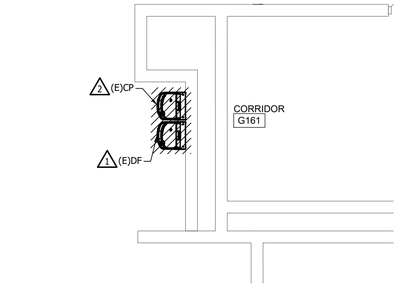
PROJECT NUMBER

2025-040

SHEET NUMBER

P1.02

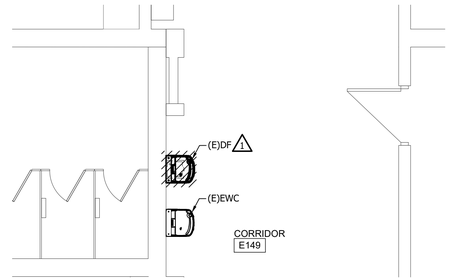
2025.040 LPS HYDRATION STATIONS



1 P1.01

ENLARGED PLUMBING DEMOLITION PLAN - CORRIDOR G-161

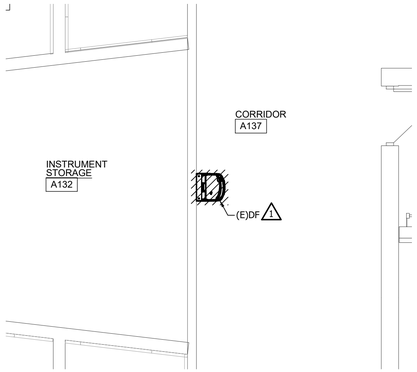
SCALE: 1/4" = 1'-0"



2 P1.01

ENLARGED PLUMBING DEMOLITION PLAN - CORRIDOR E-149

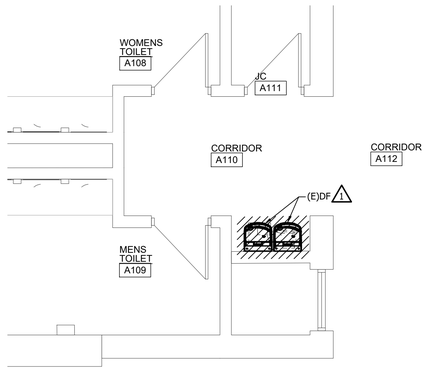
SCALE: 1/4" = 1'-0"



3 P1.01

ENLARGED PLUMBING DEMOLITION PLAN - CORRIDOR A-137

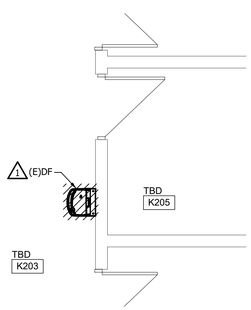
SCALE: 1/4" = 1'-0"



4 P1.01

ENLARGED PLUMBING DEMOLITION PLAN - CORRIDOR A-110

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



5 P1.01

ENLARGED PLUMBING DEMOLITION SECOND FLOOR PLAN - ROOM K-203

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

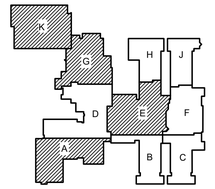
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DEMOLITION KEYED NOTES

1	REMOVE DRINKING FOUNTAIN/BOTTLE FILLING STATION COMPLETE. REMOVE STOPS, TEMPORARILY CAP, AND PREPARE PIPING FOR NEW CONNECTION.
2	REMOVE CUSPIDOR COMPLETE. REMOVE STOPS, TEMPORARILY CAP, AND PREPARE PIPING FOR NEW CONNECTION.

KEY PLAN



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PROJECT

Livonia Public Schools
Hydration Stations
Franklin High School

LIVONIA,
MICHIGAN

SHEET

ENLARGED PLUMBING DEMOLITION FLOOR PLANS

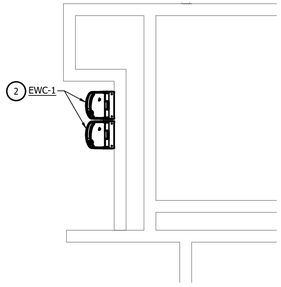
PROJECT NUMBER

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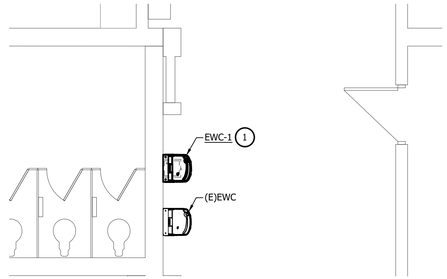
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2025-040 FHS HYDRATION STATIONS



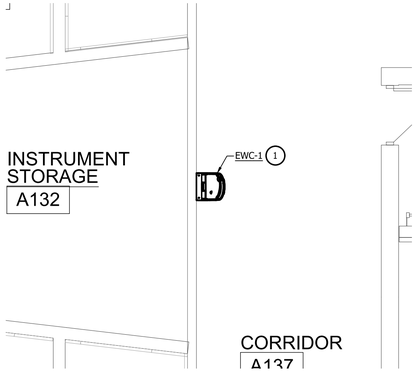
1 P1.01 ENLARGED PLUMBING NEW WORK PLAN - CORRIDOR G-161

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



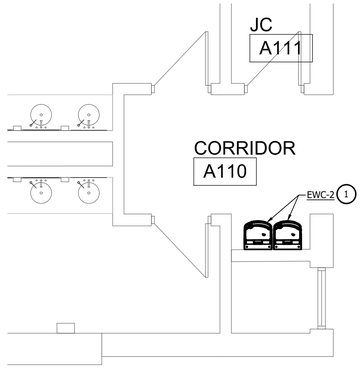
2 P1.01 ENLARGED PLUMBING NEW WORK PLAN - CORRIDOR E-149

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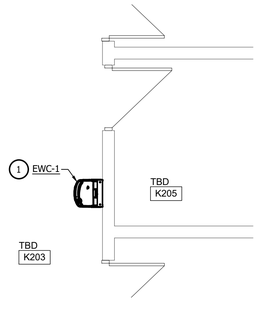
3 P1.01 ENLARGED PLUMBING NEW WORK PLAN - CORRIDOR A-137

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



4 P1.01 ENLARGED PLUMBING NEW WORK PLAN - CORRIDOR A-110

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



5 P1.01 ENLARGED PLUMBING NEW WORK SECOND FLOOR PLAN - ROOM K-203

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(X) 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 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 COOLERS. TERMINATE WITH STOPS. REMOVE BLOCK WALL AS REQUIRED FOR INSTALLATION. SEE ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.

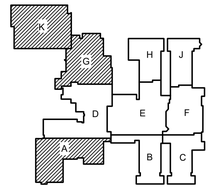
PLUMBING FIXTURE SCHEDULE

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
EWC-2	Y	FILTERED BI-LEVEL ELECTRIC WATER COOLER WITH BOTTLE FILLER	1 1/2"	1 1/2	1/2"	-	ELKAY: EZSTL8WSLK	PROVIDE WITH CANE APRON OPTION 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.

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LIVONIA,
MICHIGAN

SHEET

ENLARGED PLUMBING NEW WORK FLOOR PLANS

PROJECT NUMBER

2025-040

SHEET NUMBER

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2025-040 LPS HYDRATION STATIONS

POWER SYMBOL LIST

SYMBOL	DESCRIPTION
●	CONDUIT DOWN
○	CONDUIT UP
C	CONTACTOR
	DISCONNECT SWITCH - NON FUSED
	DISCONNECT SWITCH - FUSED
	DISCONNECT SWITCH - COMB. MOTOR STARTER
	ELECTRICAL PANEL - 208/240 VOLTS
	ELECTRICAL PANEL - 480 VOLTS
	GROUNDING ROD
	GROUND
	GROUNDING BAR
J	JUNCTION BOX
J	JUNCTION BOX WITH HARDWIRED CONNECTION
M	METER
	MOTOR - SINGLE PHASE
	MOTOR - THREE PHASE
$M	MOTOR RATED SWITCH
	POWER RECEPTACLE - SIMPLEX TYPE
	POWER RECEPTACLE - DUPLEX TYPE
	POWER RECEPTACLE - DUPLEX 6" ABOVE COUNTER
USB	POWER RECEPTACLE - USB/DUPLEX COMBO. DEVICE
	POWER RECEPTACLE - QUADRUPLEX TYPE
	POWER RECEPTACLE - RECESSED FLOOR TYPE
	POWER RECEPTACLE - SPECIALTY TYPE
SPD	SURGE PROTECTION DEVICE
TC	TIME CLOCK
T	TRANSFORMER (REFER TO SCHEDULES FOR INFO)
VSD	VARIABLE SPEED DRIVE

NOTES:
1. ALL DEVICE RATINGS/SIZES SHALL BE COORDINATED WITH PLANS AND SCHEDULES.

AUXILIARY SYST. SYMBOL LIST

SYMBOL	DESCRIPTION
	CAMERA
CR	CARD READER
	COMMUNICATIONS DEVICE - 6" ABOVE COUNTER
	COMMUNICATIONS DEVICE - FLOOR
	COMMUNICATIONS DEVICE - WALL
DH	MAGNETIC DOOR HOLDER
	PUSH BUTTON
S	SPEAKER
	WALL CLOCK - SINGLE FACE
	WALL CLOCK - DOUBLE FACE
S	WALL CLOCK AND SPEAKER UNIT

NOTES:
1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR BOX AND CONDUIT FOR ALL DEVICES INDICATED.
2. LOW VOLTAGE CONTRACTOR SHALL PROVIDE EXACT SPECIFICATIONS AND LOCATIONS OF ALL DEVICES.

FIRE ALARM SYMBOL LIST

SYMBOL	DESCRIPTION
S	DETECTION DEVICE
S	DETECTION DEVICE - DUCT MOUNTED
FS	DETECTION DEVICE - FLOW SWITCH
TS	DETECTION DEVICE - TAMPER SWITCH
FAA	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FD	FIRE DEPARTMENT COMMUNICATION OUTLET
F	MANUAL DEVICE - PULL STATION
F	NOTIFICATION DEVICE - WALL MOUNTED
F	NOTIFICATION DEVICE - CEILING MOUNTED
F	VISUAL NOTIFICATION DEVICE - WALL MOUNTED
F	COMBINATION NOTIFICATION DEVICE - CEILING MOUNTED

NOTES:
1. DRAWINGS INDICATE DESIGN INTENT ONLY, FINAL LOCATIONS AND DEVICE SPECIFICATIONS SHALL BE PROVIDED BY FIRE ALARM MANUFACTURER. REFER TO PROJECT SPECIFICATIONS FOR APPROVED MANUFACTURERS.

ELECTRICAL ABBREVIATIONS

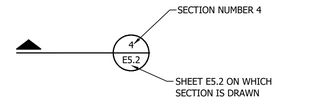
ABBREV.	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
A	AMPERE
AF	AMPERE FUSE/AMPERE FRAME
AWG	AMERICAN WIRE GAUGE
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AIC	AVAILABLE INTERRUPTING CURRENT (AMPS)
C	CONDUIT OR CEILING MOUNTED
CB	CIRCUIT BREAKER
CU	COPPER
CT	CURRENT TRANSFORMER
DIA	DIAMETER
DISC	DISCONNECT
EMT	ELECTRICAL METALLIC TUBING
EWC	ELECTRIC WATER COOLER
EPO	EMERGENCY POWER OFF
(E)	EXISTING ELECTRICAL EQUIPMENT OR WORK
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
F	FUSE
G/GRD	GROUND
GFCI/GFI	GROUND FAULT CIRCUIT INTERRUPTER
HOA	HAND-OFF-AUTO
HP	HORSEPOWER
IG	ISOLATED GROUND
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT
KWH	KILOWATT HOUR
LP	LIGHTING PANEL
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUG ONLY
MAX	MAXIMUM
MIN	MINIMUM
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
N/NEU	NEUTRAL
NF	NON-FUSIBLE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NIC	NOT IN CONTRACT
OF/CI	OWNER FURNISHED / CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED / OWNER INSTALLED
PH. OR Ø	PHASE
P	POLE
PF	POWER FACTOR
PVC	POLYVINYL CHOLRIDE (PLASTIC)
(R)	RELOCATED EXISTING ELECTRICAL EQUIPMENT
(RR)	REMOVE AND REINSTALL
RMC	RIGID METALLIC CONDUIT
RP	RECEPTACLE PANEL
SPEC/SPECS	SPECIFICATIONS
TBB	TELEPHONE BACKBOARD
TYP.	TYPICAL
UC	UNDER COUNTER
UL	UNDERWRITERS LABORATORIES
UPS	UNINTERRUPTIBLE POWER SUPPLY
USB	UNIVERSAL SERIAL BUS
V	VOLT
VA	VOLT AMPERE
W	WATT
WG	WIRE GUARD
WP	WEATHERPROOF
XFMR	TRANSFORMER

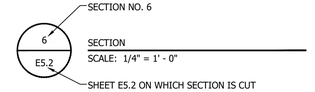
DRAWING INDEX

SHT NO	DESCRIPTION
E0.00	ELECTRICAL GENERAL INFORMATION
E1.01	COMPOSITE ELECTRICAL FIRST FLOOR PLAN
E1.02	COMPOSITE ELECTRICAL SECOND FLOOR PLAN
EPD4.10	ENLARGED ELECTRICAL POWER DEMOLITION FLOOR PLANS
EP4.10	ENLARGED ELECTRICAL POWER NEW WORK FLOOR PLANS
E5.00	ELECTRICAL DETAILS

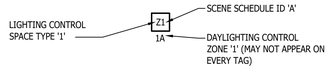
DRAWING NOTATION

SYMBOL	DESCRIPTION
LA	LIGHTING FIXTURE TAG
1	CONSTRUCTION KEY NOTE NUMBER 1
1	DEMOLITION KEY NOTE NUMBER 1
1	FEEDER SIZE TAG (REFER TO FEEDER SCHEDULE ON THIS SHEET)
EF-1	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





LIGHTING CONTROL TAG



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
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DRAWN	RDL
CHECKED	RDL
APPROVED	MPH

FRENCH

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Auburn Hills | MI 48326
248.656.1377

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

PROJECT

Livonia Public Schools Hydration Stations Franklin High School

LIVONIA, MICHIGAN

SHEET

ELECTRICAL GENERAL INFORMATION

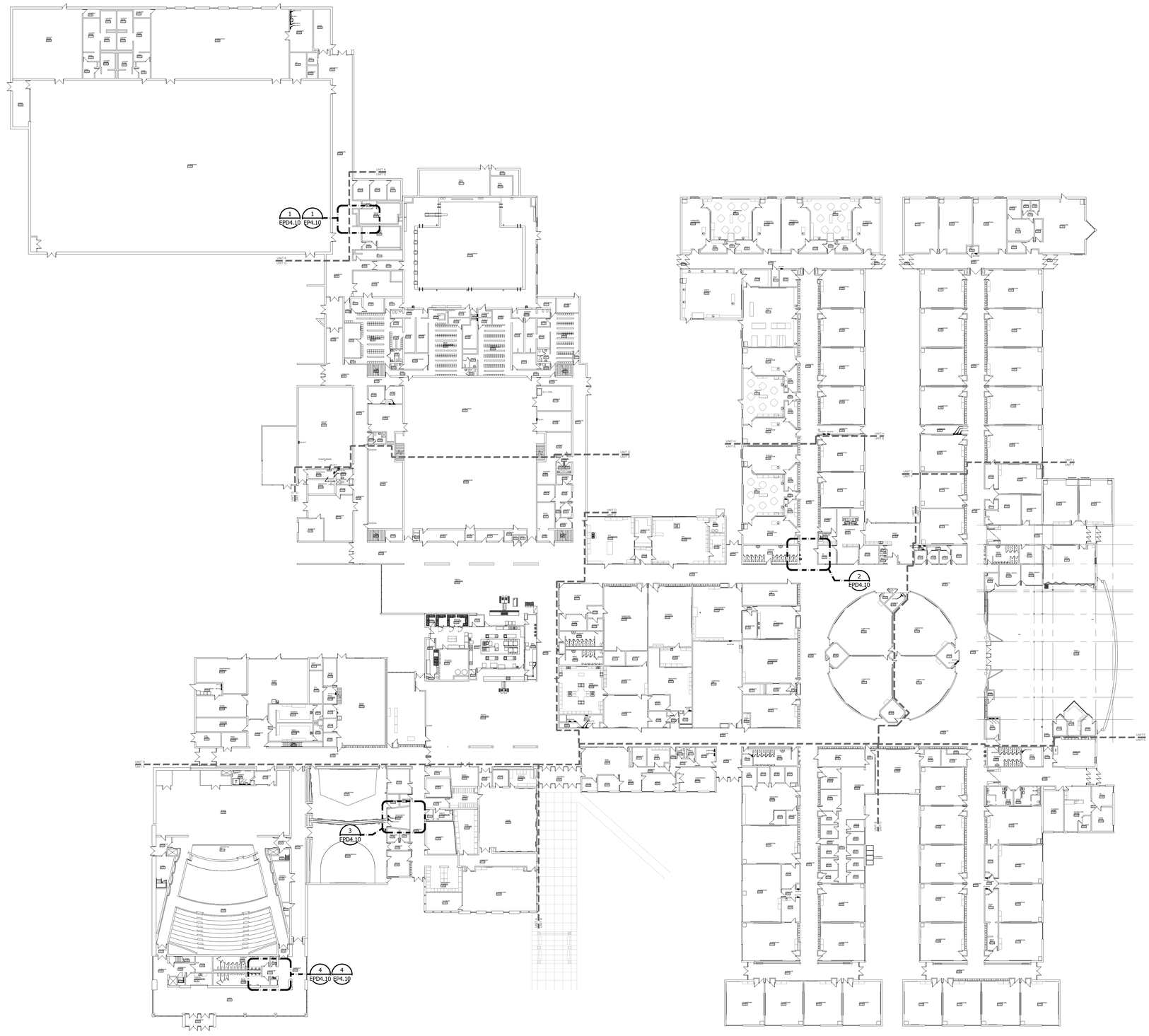
PROJECT NUMBER

2025-040

SHEET NUMBER

E0.00

2025-040 LPS HYDRATION STATIONS



COMPOSITE ELECTRICAL FIRST FLOOR PLAN
SCALE: N.T.S.

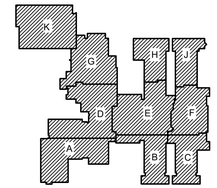
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KEY PLAN



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CHECKED	RDL
APPROVED	MPH

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UBS PROJECT 029.25.08 - FK

PROJECT

Livonia Public Schools
Hydration Stations
Franklin High School

LIVONIA,
MICHIGAN

SHEET

COMPOSITE
ELECTRICAL FIRST
FLOOR PLAN

PROJECT NUMBER

2025-040

SHEET NUMBER

E1.01

2025-040 LPS HYDRATION STATIONS



COMPOSITE ELECTRICAL SECOND FLOOR PLAN
SCALE: N.T.S.

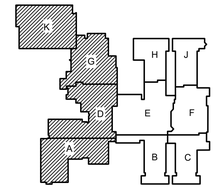
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PROJECT

Livonia Public Schools
Hydration Stations
Franklin High School

LIVONIA,
MICHIGAN

SHEET

COMPOSITE
ELECTRICAL SECOND
FLOOR PLAN

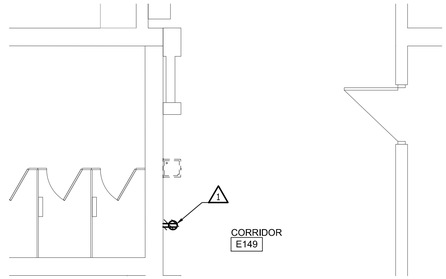
PROJECT NUMBER

2025-040

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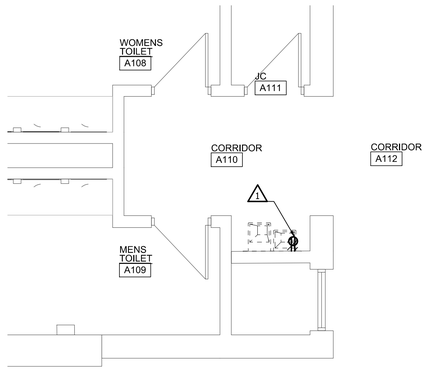
2025-040 LPS HYDRATION STATIONS



2 / E1.01

ENLARGED ELECTRICAL POWER DEMOLITION PLAN - CORRIDOR E-149

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



4 / E1.01

ENLARGED ELECTRICAL POWER DEMOLITION PLAN - CORRIDOR A-110

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

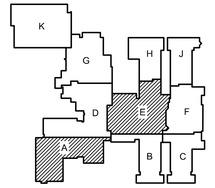
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DEMOLITION KEYED NOTES

1	RECEPTACLE TO BE REMOVED COMPLETE. TAKE CONDUIT AND WIRING BACK TO SOURCE. PREP CIRCUIT FOR RECONNECTION OF NEW RECEPTACLE. REFER TO NEW WORK SHEETS.

KEY PLAN



ISSUE DATE	ISSUED FOR
08/08/2025	BIDS

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CHECKED RDL

APPROVED MPH

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LIVONIA,
MICHIGAN

SHEET

ENLARGED ELECTRICAL POWER DEMOLITION FLOOR PLANS

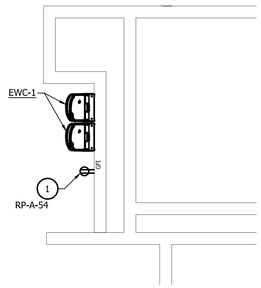
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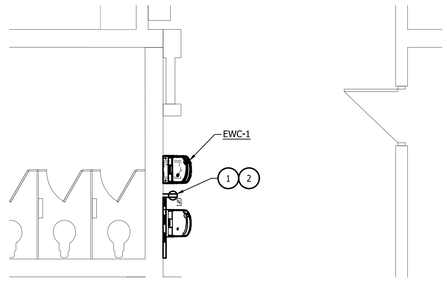
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2025-040 HYDRATION STATIONS



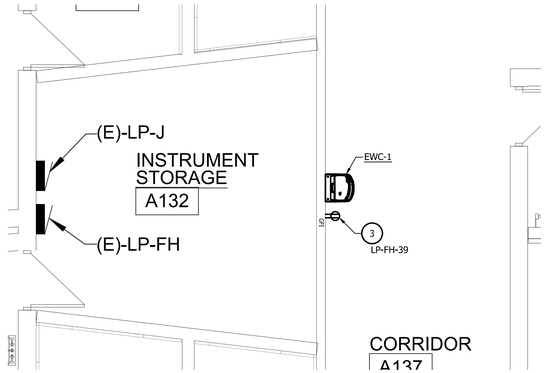
1 EP1.0 — ENLARGED ELECTRICAL POWER NEW WORK PLAN - CORRIDOR G-161

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



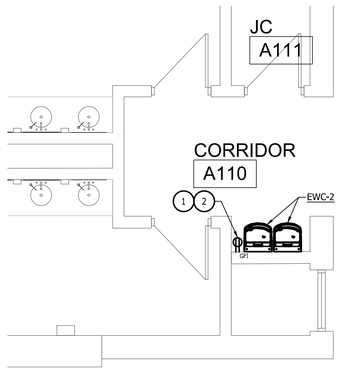
2 EP1.0 — ENLARGED ELECTRICAL POWER NEW WORK PLAN - CORRIDOR E-149

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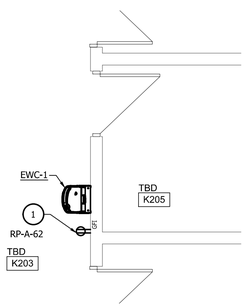
3 EP1.0 — ENLARGED ELECTRICAL POWER NEW WORK PLAN - CORRIDOR A-137

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



4 EP1.0 — ENLARGED ELECTRICAL POWER NEW WORK PLAN - CORRIDOR A-110

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



5 EP1.0 — ENLARGED ELECTRICAL POWER NEW WORK SECOND FLOOR PLAN - ROOM K-203

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

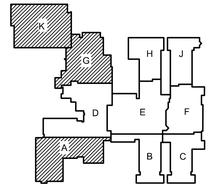
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(X) NEW WORK KEYED NOTES

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
2	CONNECT TO EXISTING SPARE CIRCUIT MADE AVAILABLE DURING DEMOLITION. EXTEND CONDUIT AND WIRING AS REQUIRED.
3	PROVIDE NEW 20A 120V BREAKER FOR NEW DRINKING FOUNTAIN GFCI RECEPTACLE. RECEPTACLE SHALL BE READILY ACCESSIBLE. CONDUIT AND WIRING SHALL BE NEW TO EXISTING SPACE AS SHOWN.

KEY PLAN



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SHEET

ENLARGED ELECTRICAL POWER NEW WORK FLOOR PLANS

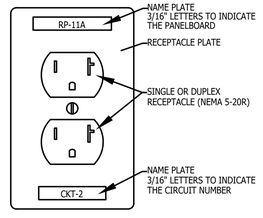
PROJECT NUMBER

2025-040

SHEET NUMBER

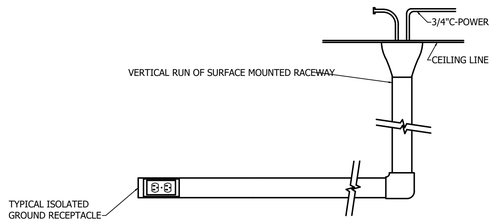
EP4.10

2025-040 EP1 HYDRATION STATIONS



1 DETAIL OF BRANCH CIRCUIT NUMBER ON RECEPTACLE PLATE

NO SCALE



TYPICAL SURFACE MOUNTED RACEWAY

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

NO SCALE

ISSUE DATE	ISSUED FOR
08/08/2025	BIDS
	-
	-
	-
	-
	-
	-
	-
	-
	-
	-
	-
	-
DRAWN	RDL
CHECKED	RDL
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 - FK

PROJECT

Livonia Public Schools
Hydration Stations
Franklin High School

LIVONIA,
MICHIGAN

SHEET

ELECTRICAL DETAILS

PROJECT NUMBER

2025-040

SHEET NUMBER

E5.00

2025-040 LPS HYDRATION STATIONS