Addendum No. 03 **Issued: March 14, 2025**

Project Name:	Brighton High School Teen Center
Project No.:	2024516
Bid Document Date:	March 1, 2025
Bid Package:	NA
Owner Name:	Canyons School District

This addendum is issued to all bidders for the Construction Contract for the above referenced project.

This addendum serves to clarify, revise or supersede information in the Project Manual, the Drawings and if applicable, previously issued Addenda. All bidders submitting proposals on the above project shall be governed by the following changes and shall acknowledge receipt of this Addendum on the Bid form.

The date for receipt of the bids is unchanged by this Addendum.

A. Changes to the Project Manual

Changes to attached specification sections are indicated in red text with deleted text, if applicable, removed from the section.

DIVISIONS 00 through 14

A3.1 Section 064100 – Architectural Wodd Casework

- Per Bid question, Cabinetry thicknesses have been clarified as noted in RED on the specification section.

ARCHITECTURAL

A3.2 Sheet AD101

- Demo sheet has been updated for removal of wall between prep area and storage space as noted.

A3.3 Sheet A101

- Wall between spaced to be turned into framed opening as shown. Cased opening height @ 8'-0" AFF. Door opening to be framed and finished to match adjacent space.

A3.4 Sheet A600

- Door E106 to be removed and reused from existing restroom, hardware to be reused from door being removed (E104) and reused on E106.

A3.5 Sheet A651

- Finishes have been clarified for replacement of the door and transition between spaces.

MECHANICAL

A3.6 Sheets M101, MP101, P101, FP101

- Backgrounds have been updated to reflect room updates

ELECTRICAL

A3.7 Sheet ED101

- Demolition plan has been updated

A3.8 Sheet E201

- Lighting Plan has been updated

A3.9 Sheet E301

- Electrical Floor plan has been updated.

Attachments:

Project Manual:

Section 064100 – Architectural Wood Casework

Drawings:

Sheets AD101, A101, A600, A651, M101, MP101, P101, ED101, E201, E301, FP101.

END OF ADDENDUM

SECTION 064100 - ARCHITECTURAL WOOD CASEWORK

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Specially fabricated cabinet units.

B. Hardware.

C. Preparation for installing utilities.

1.02 RELATED REQUIREMENTS

A. Section 123600 - Countertops.

1.03 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meeting: Convene a preinstallation meeting not less than one week before starting work of this section; require attendance by all affected installers.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
   1. Scale of Drawings: 1-1/2 inch to 1 foot, minimum.
   2. Provide information as required by AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS).

C. Product Data: Provide data for hardware accessories.

D. Samples: Submit actual samples of architectural cabinet construction, minimum 12 inches square, illustrating proposed cabinet, countertop, and shelf unit substrate and finish.

E. Samples: Submit actual sample items of proposed pulls, hinges, shelf standards, and locksets, demonstrating hardware design, quality, and finish.

1.05 QUALITY ASSURANCE

A. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.
   1. Company with at least one project in the past 5 years with value of woodwork within 20 percent of cost of woodwork for this Project.
   2. Single Source Responsibility: Provide and install this work from single fabricator.

1.06 MOCK-UPS

A. Provide mock-up of typical base cabinet, wall cabinet, and countertop, including hardware, finishes, and plumbing accessories.

B. Locate where directed.

C. Mock-up may remain as part of the work.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Protect units from moisture damage.

1.08 FIELD CONDITIONS

A. During and after installation of custom cabinets, maintain temperature and humidity conditions in building spaces at same levels planned for occupancy.

PART 2 PRODUCTS

2.01 FABRICATORS

A. Provide architectural woodwork by one of the following:.
1. Artistic Mill.
2. Granite Mill and Fixture Company.
3. Huetter Mill and Cabinet Company.
4. Johnson Brothers, Inc.
5. MapleLeaf Cabinets.
6. Swainston Mill, Preston ID.
7. TMI Systems.

B. Substitutions: See Section 016000 - Product Requirements.

2.02 CABINETS

A. Quality Standard: Premium Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.

B. Cabinets:
1. Finish - Exposed Exterior Surfaces: Decorative laminate.
2. Finish - Exposed Interior Surfaces: Decorative laminate.
3. Finish - Semi-Exposed Surfaces: TFL Panels.
4. Finish - Concealed Surfaces: Manufacturer's option.
5. Door and Drawer Front Edge Profiles: Square, with PVC edge banding.
6. Casework Construction Type: Type A - Frameless.
7. Interface Style for Cabinet and Door: Style 1 - Overlay; flush overlay.
8. Cabinet Design Series: As indicated on drawings.
9. Adjustable Shelf Loading: 50 psf.
10. Drawer Construction Technique: Dovetail joints.

2.03 PANEL CORE MATERIALS

A. Medium Density Fiberboard (MDF): Composite panel composed of cellulosic fibers, additives, and bonding system; cured under heat and pressure; comply with ANSI A208.2.
1. Grade: 140; moisture resistance: MR30.
2. Panel Thickness:

a. Case Body and Doors: 3/4 inch.
b. Case Tops and Bottoms: 3/4 inch, except 1 inch at bottoms of wall units.
c. Exposed Backs: 1/2 inch.
d. Drawer Sides, Backs and Sub-Fronts: 1/2 inch.
e. Drawer Fronts: 3/4 inch.

3. Panel Thickness - Shelves: 1 inch at 36 inches and less; 1-1/4 inch over 36 inches.
4. Products:
   a. Roseburg Forest Products; Medite II: www.roseburg.com/#sle.
   b. Substitutions: See Section 016000 - Product Requirements.

B. Basic Hardboard: Panel manufactured from inter-felted lignocellulosic fibers consolidated under heat and pressure; comply with ANSI A135.4.
   1. Class: Tempered.
   2. Surface: Smooth one side (S1S).
   3. Nominal Thickness: 1/4 inch.

2.04 THERMALLY FUSED LAMINATE PANELS

A. Thermally Fused Laminate (TFL): Melamine- or polyester-resin-saturated decorative papers; for fusion to composite wood substrates under heat and pressure.
   1. Test in accordance with NEMA LD 3 Section 3.
   2. Panel Core Substrate: Medium Density Fiberboard (MDF).
   3. Color: As selected from manufacturer's standard range of colors.

2.05 LAMINATE MATERIALS

A. Manufacturers:
   1. Arborite: www.arborite.com/#sle.
   2. Formica Corporation: www.formica.com/#sle.
   3. Panolam Industries International, Inc: www.panolam.com/#sle.
   4. Wilsonart LLC: www.wilsonart.com/#sle.
   5. Substitutions: See Section 016000 - Product Requirements.

B. Provide specific types as follows:
   1. Horizontal Surfaces: HGS, 0.048 inch nominal thickness, colors as indicated.
   2. Vertical Surfaces: VGS, 0.028 inch nominal thickness, colors as indicated.
   3. Laminate Backer: BKL, 0.020 inch nominal thickness, undecorated; for application to concealed backside of panels faced with high pressure decorative laminate.

2.06 COUNTERTOPS

A. Countertops: See Section 123600.

2.07 ACCESSORIES

A. Adhesive: Type recommended by fabricator to suit application.

B. Plastic Edge Banding: Extruded PVC, flat shaped; smooth finish; self locking serrated tongue; of width to match component thickness.
   1. Thickness: 3 mm.
   2. Color: As selected by Architect from manufacturer's standard range.

C. Fasteners: Size and type to suit application.

D. Bolts, Nuts, Washers, Lags, Pins, and Screws: Of size and type to suit application; galvanized or chrome-plated finish in concealed locations and stainless steel or chrome-plated finish in exposed locations.

2.08 HARDWARE

A. Adjustable Shelf Supports at Casework: Standard side-mounted system using multiple holes for pin supports and coordinated self rests, polished chrome finish, for nominal 1 inch spacing adjustments.
   1. Product: Knape & Vogt, 346.
   2. Substitutions: See Section 016000 - Product Requirements.

B. Adjustable Shelf Supports at Wall Mounted Shelving: Heavy duty double slot system using surface mounted metal shelf standards and coordinated cantilevered shelf brackets, satin chrome finish, for nominal 1 inch spacing adjustments.
   1. Products:
      a. Shelf Brackets: Knape & Vogt; 185 double slot.
      b. Shelf Standards: Knape & Vogt;185.
   2. Substitutions: See Section 016000 - Product Requirements.

C. Countertop Brackets: Fixed, concealed vertical leg, side-of-stud mounting.
   1. Materials: Steel L- and T-shapes.
      a. Finish: Manufacturer's standard, factory-applied, powder coat.
      b. Color: Black.
      c. Support Member Depth: 2 inches.
      d. Support Member Width: 2 inches.
      e. Support Member Length: 21 inches.
   2. Products:
      a. A&M Hardware, Inc; Extended Concealed Brackets: www.aandmhardware.com/#sle.
      b. Substitutions: See Section 016000 - Product Requirements.

D. Drawer and Door Pulls: .

E. Basis-of Design: Top Knobs; Europa Tab Pull: www.topknobs.com/collections/#sle.
   1. Size: 5 inch.
   2. Finish: Brushed satin nickel.

F. Drawer and Door Locks: 5-pin tumbler, complying with ANSI/BHMA A156.11, Grade 1
   1. Keyed cylinder, two keys per lock, master keyed according to Owner's key schedule.
   2. Olympus Lock, Inc. or comparable.
      a. Finish: Satin Chrome: 26D.
      b. Drawer Locks: 200W.
      c. Door Locks: 100DR.
   3. Substitutions: See Section 016000 - Product Requirements.

G. Drawer Slides:
   1. Type: Full extension.
   2. Static Load Capacity: Heavy Duty grade.
   3. Manufacturers:
      a. Accuride International, Inc; Heavy-Duty Drawer Slides: www.accuride.com/#sle.
      b. Blum, Inc; MOVENTO: www.blum.com/#sle.

c. Hettich America, LP; Quadro: www.hettich.com/#sle.
d. Substitutions: See Section 016000 - Product Requirements.

H. Hinges: European style concealed self-closing type, steel with nickel-plated finish.
1. Manufacturers:
a. Blum, Inc; CLIP top BLUMOTION: www.blum.com/#sle; 155 degree opening.
b. Substitutions: See Section 016000 - Product Requirements.

2.09 FABRICATION

A. Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.

B. Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single length.

C. Fitting: When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide matching trim for scribing and site cutting.

D. Plastic Laminate: Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Slightly bevel arises. Locate counter butt joints minimum 2 feet from sink cut-outs.
1. Apply laminate backing sheet to reverse side of plastic laminate finished surfaces.
2. Cap exposed plastic laminate finish edges with material of same finish and pattern.

E. Mechanically fasten back splash to countertops as recommended by laminate manufacturer at 16 inches on center.

F. Provide cutouts for plumbing fixtures. Verify locations of cutouts from on-site dimensions. Prime paint cut edges.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify adequacy of backing and support framing.

B. Verify location and sizes of utility rough-in associated with work of this section.

3.02 INSTALLATION

A. Install work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.

B. Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.

C. Use fixture attachments in concealed locations for wall mounted components.

D. Use concealed joint fasteners to align and secure adjoining cabinet units.

E. Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim for this purpose.

F. Secure cabinets to floor using appropriate angles and anchorages.

3.03 ADJUSTING

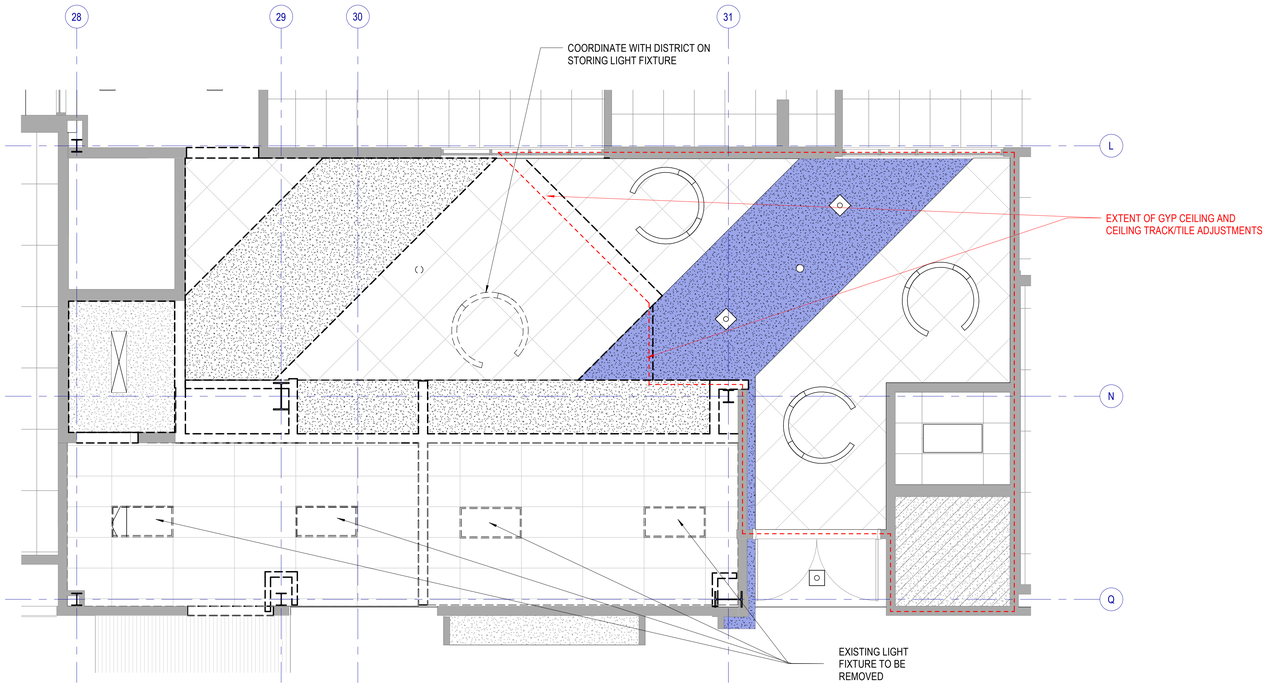
A. Adjust installed work.

B. Adjust moving or operating parts to function smoothly and correctly.

3.04 CLEANING

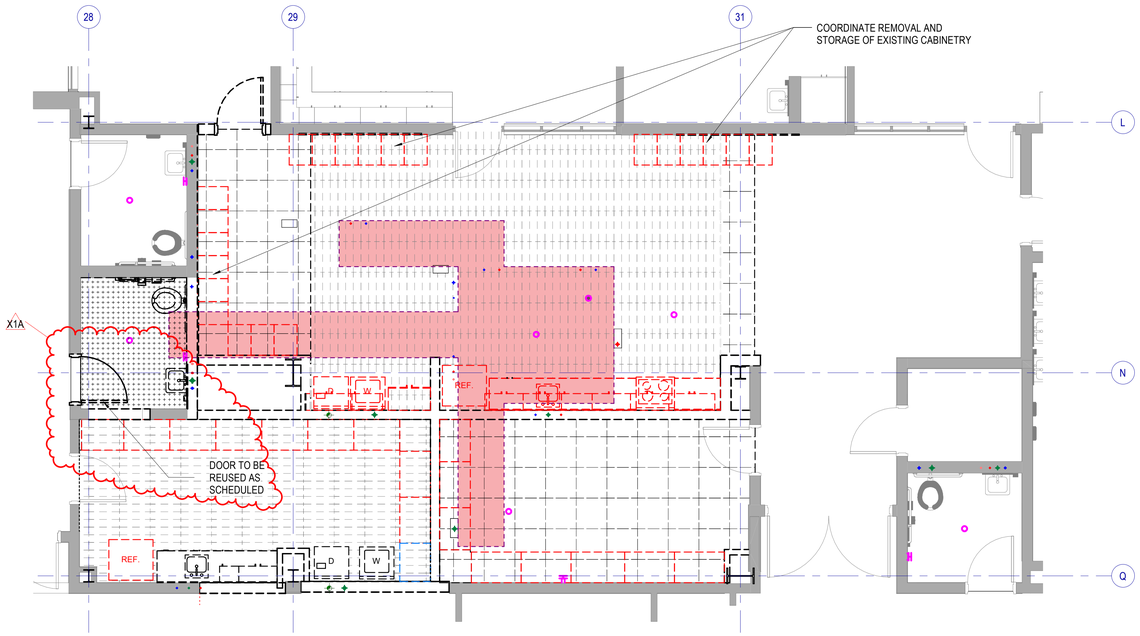
A. Clean casework, counters, shelves, hardware, fittings, and fixtures.

END OF SECTION



C1 DEMO FIRST FLOOR REFLECTED CEILING PLAN

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



E1 DEMOLITION FIRST FLOOR PLAN

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

DEMOLITION GENERAL NOTES

Existing Conditions: Verify existing site and building conditions including but not limited to underground utilities and service lines, irrigation lines, sub-surface structures and all other existing construction both above and below grade.

Protection: Protect existing construction to remain from damage during demolition and new construction work. Repair any damage resulting from this work.

Protect in-place, existing mechanical, plumbing and electrical systems above ceilings that are not shown to be removed. This includes, but is not limited to: network cabling, coax cabling, conduits, piping, ductwork, etc.

When removing concrete slabs on grade, take all necessary precautions to protect electrical lines in or under those slabs.

Site Access: Coordinate phased access to the site with the Owner, including times of restricted access.

Coordination: Coordinate extent of walls to be removed with architectural floor plan(s).

Masonry Walls: Where masonry walls are demolished, clean and repair newly exposed surfaces to match adjacent wall finish.

Salvage: Review with the owner, casework, furniture, equipment and wall mounted display surfaces left behind after owner move out, that are not shown on drawings. Identify as either salvage or to be disposed of by contractor.

Where indicated to be removed, salvage whiteboards and tack boards for reuse, UNO.

Where indicated to be removed, salvage undamaged acoustical ceiling panels for use in repair, patching and modifications of existing ceilings. Use only in ceilings where panels match.

Verify that existing equipment that is to remain, to be salvaged or to be re-installed, is in working condition. Provide written documentation to the Owner for any items that are not in working condition before beginning work in the area.

LEGEND - DEMOLITION

- AREA OF NO WORK
- EXISTING TO REMAIN
- REMOVE DOOR & FRAME
- WALLS & OTHER ITEMS TO BE DEMOLISHED
- CABINETRY / APPLIANCES / LIGHTING TO BE REUSED
- TILE TO BE DEMOLISHED
- CARPET TO BE DEMOLISHED
- LVT TO BE DEMOLISHED
- CONCRETE FLOOR TO BE DEMOLISHED

NOTE: WHERE WALLS AND OTHER ITEMS ARE SHOWN WITH DASHED LINES, WHETHER KEYNOTED OR NOT, REMOVE THESE ITEMS TO THE EXTENT INDICATED AND AS REQUIRED BY NEW CONSTRUCTION.

KEYNOTES

024100.A02	DOOR TO BE REUSED AS SCHEDULED
265140.A03	EXISTING LIGHT FIXTURE TO BE REMOVED

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CANYONS SCHOOL DISTRICT

Canyons School District

Brighton High School Teen Center

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STATE OF UTAH
SCOTT LATER
No. 7919245-0301
3/1/25
LICENSED ARCHITECT

MHTN PROJECT NO. 2024516

VIEW AND PRINT THIS DRAWING IN COLOR

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
X1A	03.14.25	BID ADD 3

ISSUE
BID DOCUMENTS
MARCH 1, 2025

SHEET NAME
DEMOLITION FLOOR PLAN

SHEET NUMBER
AD101

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REFLECTED CEILING PLAN GENERAL NOTES

RE: A710 for typical suspended ceiling details, including seismic bracing.

Ceiling Height: 9'-0" UNO. Where floor height varies in a room, ceiling height is shown at the entry to the room, UNO.

Ceiling Grid/Panel Alignment: The design intent of the Reflected Ceiling Plans is center ceiling grids or acoustical panels between walls in both directions, or to center grids in one direction, panels in the other. If the grid does not comply with the design intent, then coordinate with Architect to adjust the ceiling layout prior to installation.

Seismic Design Category: D: Heavy-duty suspension system required / Refer to Structural / Refer to Specifications.

Seismic Bracing: Rigid bracing required at ceilings over 1,000 SF and at all ceilings with fire sprinklers and other penetrations.

Seismic Control Joints: Provide seismic control joints in suspended acoustical ceilings greater than 2,500 SF.

Control Joints: Provide control joints in gypsum board ceilings at 30'-0" max spacing. Coordinate locations with Architect to align joints with other elements in the ceilings or on the walls.

Exposed Elements: Paint exposed structure, pipe, conduit and HVAC duct at open ceilings and at open areas around ceiling clouds. Color: As selected by Architect.

Walls to Deck: Extend all walls to deck, including all components of the wall assembly, UNO.

Fire Sprinklers: Center sprinkler heads in acoustical panels; run in straight lines in orthogonal, rectangular spaces.

Electrical, Mechanical and other Devices: Center in acoustical panels. Coordinate feature lighting layout with Architect prior to rough-in.

Keynotes: Not all keynotes apply to this sheet.

LEGEND - REFLECTED CEILING PLANS

- ACP1 - 24" X 24" ACOUSTICAL CEILING PANEL
- ACP2 - 24" X 48" ACOUSTICAL CEILING PANEL (EXISTING) ADJUST AS SHOWN
- CG1 - 9WOOD CEILING 1100 CROSS PIECE GRILLE (B.O.D.)
- GB1 - PAINTED GYPSUM BOARD
- GB2 - EPOXY PAINTED GYPSUM BOARD
- GB3 - PAINTED TO MATCH EXISTING
- MECHANICAL DIFFUSERS SEE MECHANICAL
- LIGHT FIXTURES SEE ELECTRICAL

LEGEND - FLOOR PLAN

- FEC-R — FIRE EXTINGUISHER + CABINET RECESSED
- CG — STAINLESS STEEL CORNER GUARD
- FM — FLOOR MOUNTED TOILET RE: PLUMBING
- T — COUNTER MOUNTED SINK RE: PLUMBING
- WASHER & DRYER, OFOI
- REF. — REFRIGERATOR, OFOI
- EXISTING, RE-USED STOVE/RANGE

NOTE: PROVIDE ITEMS INDICATED IN THE LEGEND IN THE QUANTITIES SHOWN ON THE PLANS AND ELEVATIONS.

FLOOR PLAN GENERAL NOTES

References to sheets below are provided to aid in navigating the drawings.

RE: G200 for Fixture Mounting Heights.

RE: G500 for Interior Wall Types.

RE: G600 for typical details.

RE: A111 for slab edges, recesses and other transitions.

RE: A600 for the Door Schedule.

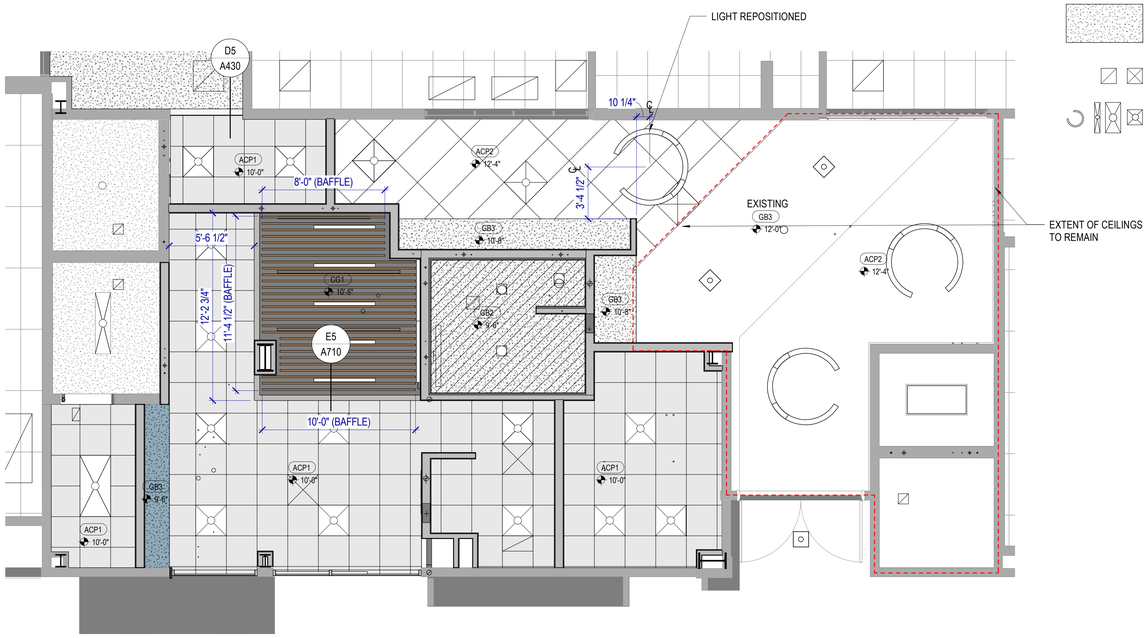
RE: A620 drawings for Window Types.

Rated Construction: Provide as shown on the plans, the Life Safety Plans and elsewhere in the documents. Seal penetrations with systems applicable to the application and that have UL or other testing agency certifications.

Keynotes: Not all keynotes apply to this sheet.

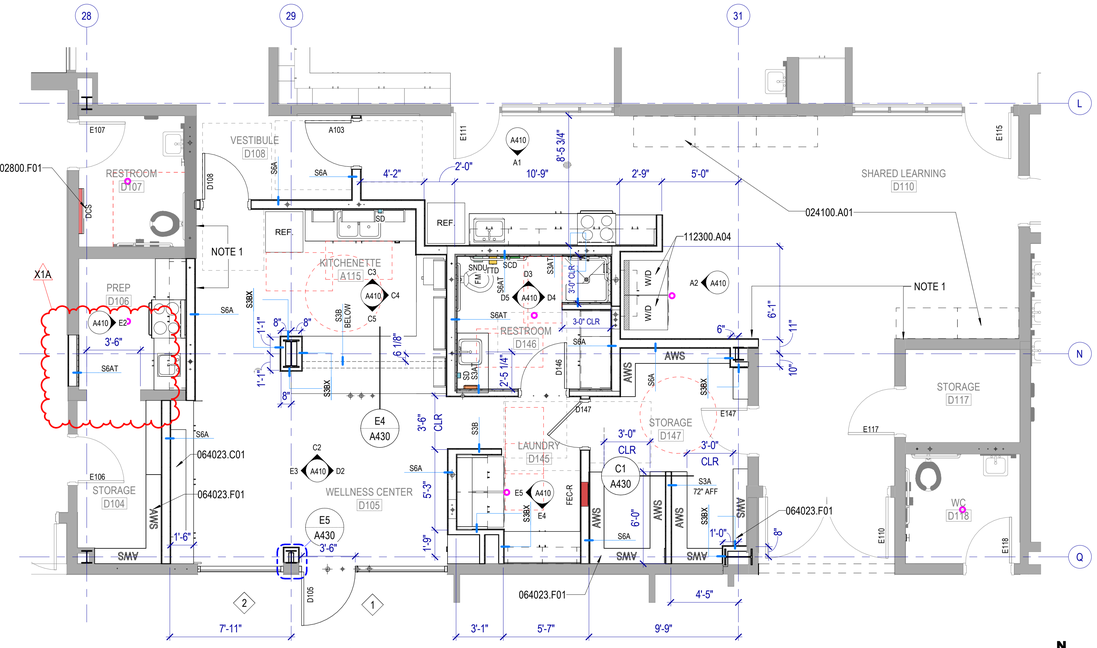
KEYNOTES

024100.A01	EXISTING SPED CUBBIES, REUSED
064023.C01	PLASTIC LAMINATED FLOATING SHELF WITH INTEGRAL SUPPORTS
064023.F01	WALL MOUNTED, 3/4" PLASTIC LAMINATE ADJUSTABLE SHELVING W/ EDGE BANDING
102800.F01	DIAPER-CHANGING STATION; OFCI
112300.A04	EXISTING WASHING MACHINE AND DRYER
NOTE 1	ALIGN FINISHES TO EXISTING FINISHES



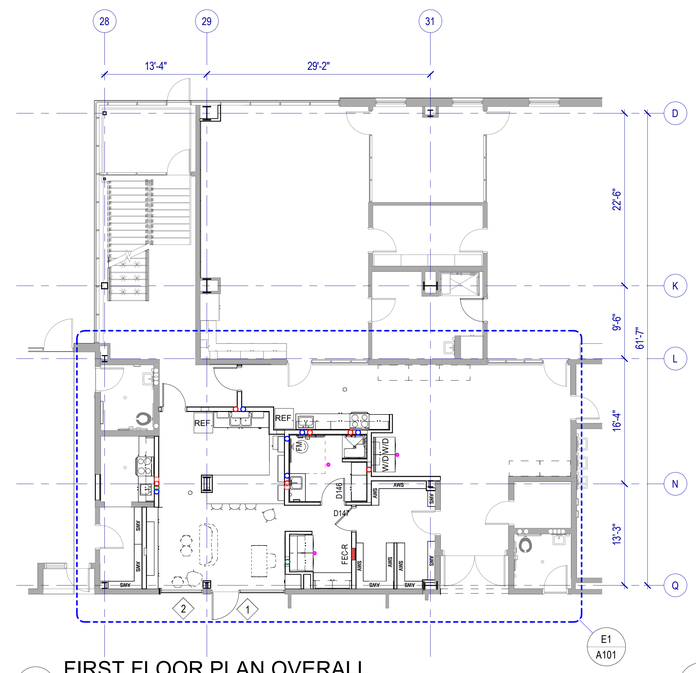
C1 FIRST FLOOR REFLECTED CEILING PLAN

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



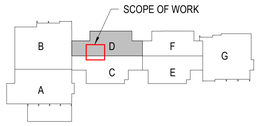
E1 FIRST FLOOR PLAN ENLARGED AREA

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



D1 FIRST FLOOR PLAN OVERALL

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



BUILDING KEYPLAN

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CANYONS SCHOOL DISTRICT

Canyons School District

Brighton High School Teen Center

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STATE OF UTAH — SCOTT LATER — No. 7919245-0301 — 3/11/25 — LICENSED ARCHITECT

MHTN PROJECT NO. 2024516

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
X1A	03.14.25	BID ADD 3

ISSUE
BID DOCUMENTS
MARCH 1, 2025

SHEET NAME
FIRST FLOOR PLAN

SHEET NUMBER
A101

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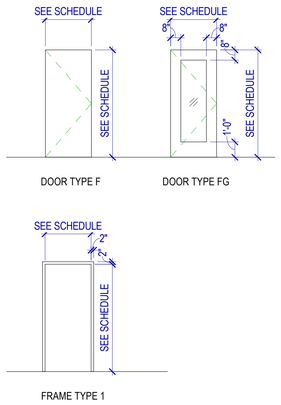
DOOR AND FRAME SCHEDULE

DOOR #	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR MATERIAL	FRAME TYPE	FRAME MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	FIRE RATING (MIN)	HARDWARE SET	REMARKS	DOOR #
A103	G	3'-0"	7'-0"	1 3/4"	WD	1	HM	E1/A600	D2/2A610	E3/A600			REUSE EXISITNG HARDWARE/ACCESS CONTROL	A103
D105	FG	3'-6"	7'-0"	1 3/4"	AL		AL	D1/A600	D2/A600	E3/A600		AL01		D105
D108	FG	3'-0"	7'-0"	1 3/4"	WD	1	HM	E1/A600	E2/A600	E3/A600		02		D108
D146	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	E1/A600	E2/A600	E3/A600		01		D146
D147	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	E1/A600	E2/A600	E3/A600		03		D147

Grand total: 5

*DOOR E106 TO BE REUSED IN STORAGE/KITCHENETTE SPACE FOR APPROPRIATE DOOR SWING. HARDWARE FROM STORAGE TO BE USED, HOLES TO BE PLUGGED IN DOOR IF OCCURS.

X1A



DOOR & FRAME TYPES

DOOR SCHEDULE GENERAL NOTES

RE: A620 for the Glazing Schedule.

RE: Division 8 Section "Door Hardware" for hardware sets.

Door Leaves: At each door, provide the number of leaves shown on the plans. Where two leaves are shown, provide equal leaves, UNO.

Frame Depth: Coordinate hollow metal frame depth with wall thickness, wrapping stud framed walls. Provide depths as scheduled for masonry walls, UNO.

Abbreviations: Door and Frame Schedule Remarks abbreviations:

- ADA ADA Actuator
- CR Card Reader
- DE Delayed Egress
- EL Electric Latch
- ES Electric Strike
- MO Motor Operation
- MHO Magnetic Hold Open

Door Numbering: Doors denoted with an "E###" are existing doors to remain.

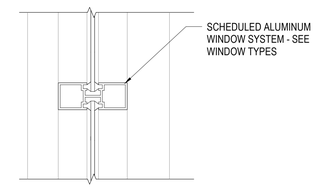
Door Hardware: Door handles to meet ADA requirements. Hardware is to meet A117.1 404.2.6

WINDOW TYPES GENERAL NOTES

Window Frames: Frames are aluminum storefront, UNO. Finish as specified.

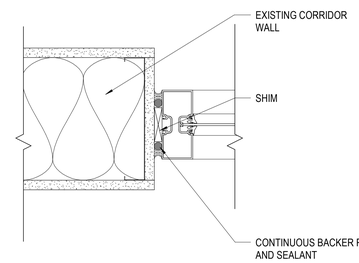
End Dams: Provide end dams at sill flashing.

Coordination: Coordinate all trades to provide complete systems, including, but not limited to framing, glazing, sealants, flashing, brake metal and backing.



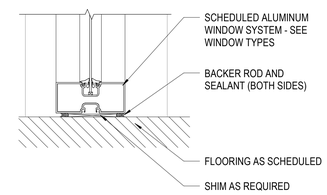
B5 MID-MULLION SECTION

SCALE: 3" = 1'-0"



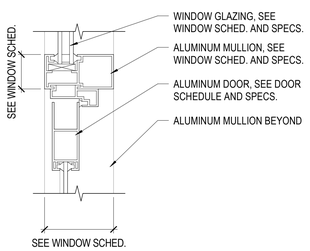
C4 HEAD/JAMB DETAIL

SCALE: 3" = 1'-0"



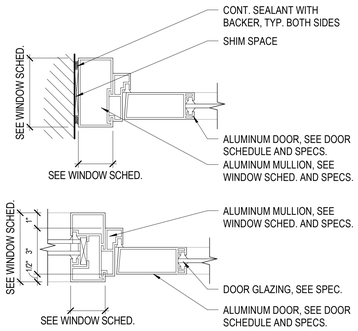
C5 INTERIOR WINDOW SILL DETAIL

SCALE: 3" = 1'-0"



D1 (TYP.) STOREFRONT HEAD DETAIL

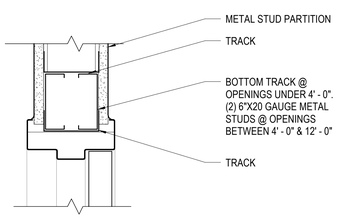
SCALE: 3" = 1'-0"



D2 (TYP.) STOREFRONT JAMB DETAIL

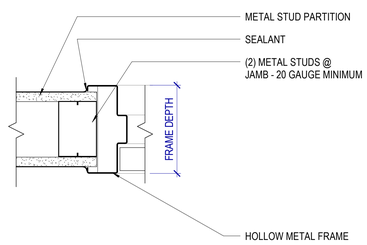
SCALE: 3" = 1'-0"

GLAZING SCHEDULE	
A02	12mm (1/2") CLEAR ANNEALED FLOAT GLASS
T02	12mm (1/2") CLEAR TEMPERED FLOAT GLASS



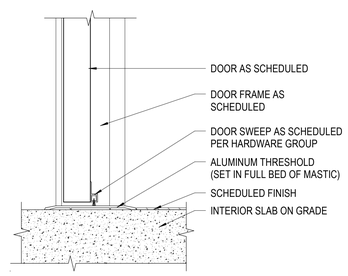
E1 HEAD DETAIL

SCALE: 3" = 1'-0"



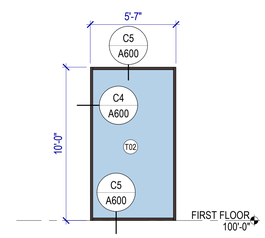
E2 JAMB DETAIL

SCALE: 3" = 1'-0"



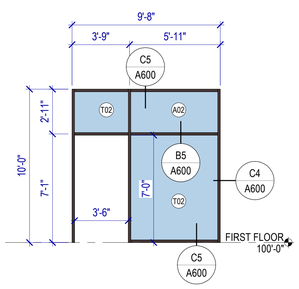
E3 (TYP.) INTERIOR THRESHOLD

SCALE: 3" = 1'-0"



WINDOW TYPE 2

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



WINDOW TYPE 1

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

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CANYONS SCHOOL DISTRICT

Canyons School District

Brighton High School Teen Center

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SEAL

STATE OF UTAH
SCOTT LATER
No. 7919245-0301
3/11/25
LICENSED ARCHITECT

MHTN PROJECT NO. 2024516

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
X1A	03.14.25	BID ADD 3

ISSUE
BID DOCUMENTS
MARCH 1, 2025

SHEET NAME
WINDOW & DOOR SCHEDULE & DETAILS

SHEET NUMBER
A600

Autodesk Docs://2024516 CSD Brighton HS Teen Center/A24_2024516 BHS Teen Center.rvt
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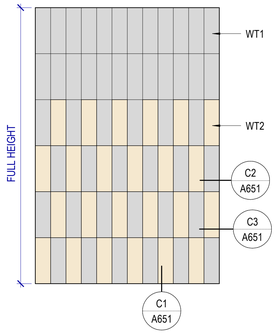
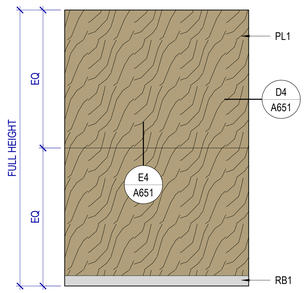


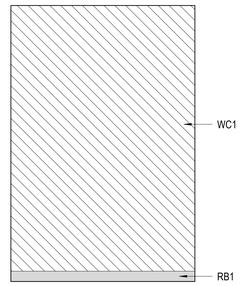
B1 WALL PATTERN TYPE 1

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



B2 WALL PATTERN TYPE 2

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



B3 WALL PATTERN TYPE 3

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

WALL FINISH LEGEND

- WALL PATTERN TYPE 1
- WALL PATTERN TYPE 2
- WALL PATTERN TYPE 3
- PAINT, PT1 (WHITE)
- ACCENT PAINT, PT2 (BLUE)
- PAINT, (MATCH EXISTING)

PATTERN PLAN GENERAL NOTES

RE: A640 for the Finish Schedule

RE: Axxx for typical floor finish transition details

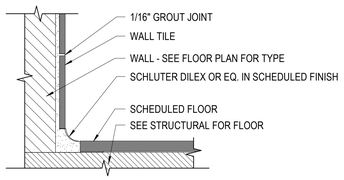
RE: Structural drawings for recessed slabs.

Floor Finish Transitions at Doors: Locate floor finish material transitions that occur at doors under the center of the door, UNO.

Floor Drains: Coordinate location of floor drains with Plumbing drawings.

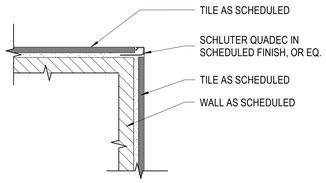
LEGEND - FLOOR PATTERN

- CARPET - CPT1
- EXISTING FLOORING
- RESILIENT FLOORING - RES1
- MOSAIC TILE - FT1



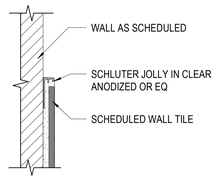
C1 TILE AT FLOOR

SCALE: 3" = 1'-0"



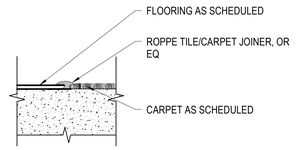
C2 TILE AT OUTSIDE CORNER

SCALE: 3" = 1'-0"



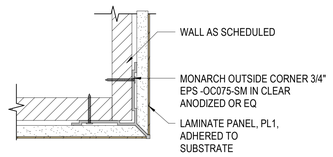
C3 TILE END CAP HOR & VERT

SCALE: 3" = 1'-0"



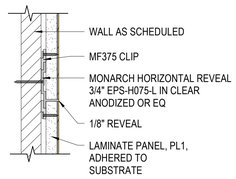
C4 CARPET TO RESILIENT

SCALE: 3" = 1'-0"



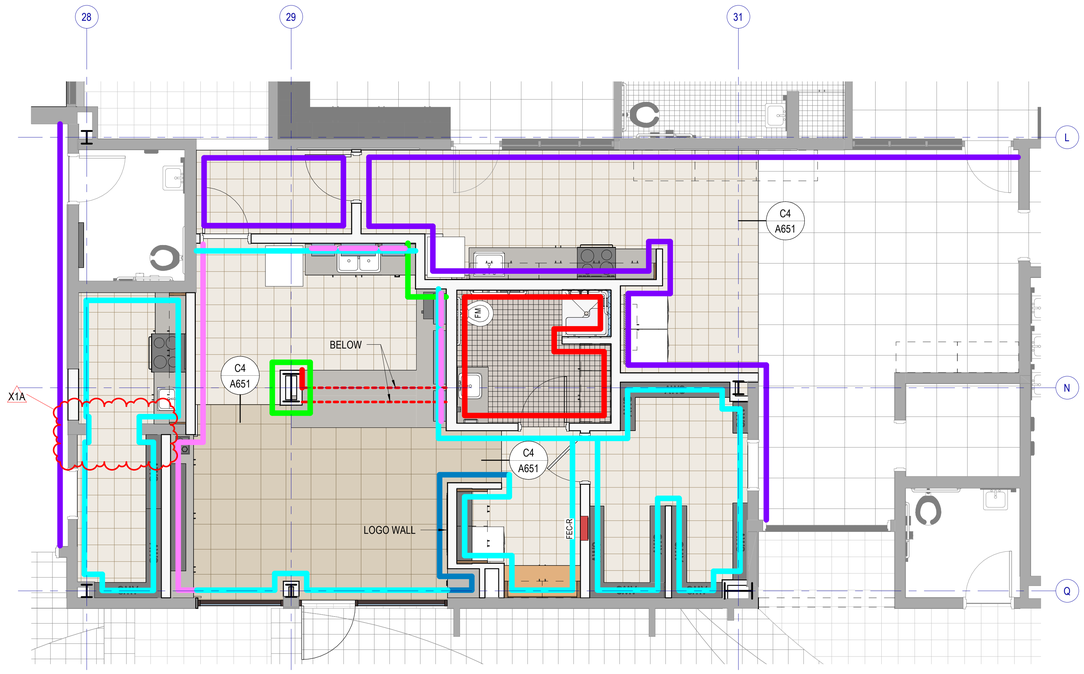
D4 LAMINATE OUTSIDE CORNER

SCALE: 3" = 1'-0"



E4 LAMINATE REVEAL

SCALE: 3" = 1'-0"



E1 FIRST FLOOR WALL PATTERN & FLOOR PATTERN PLAN

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

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CANYONS SCHOOL DISTRICT

Canyons School District

Brighton High School Teen Center

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SEAL

STATE OF UTAH
SCOTT LATER
No. 7919245-0301
3/1/25
LICENSED ARCHITECT

MHTN PROJECT NO 2024516

VIEW AND PRINT THIS DRAWING IN COLOR

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
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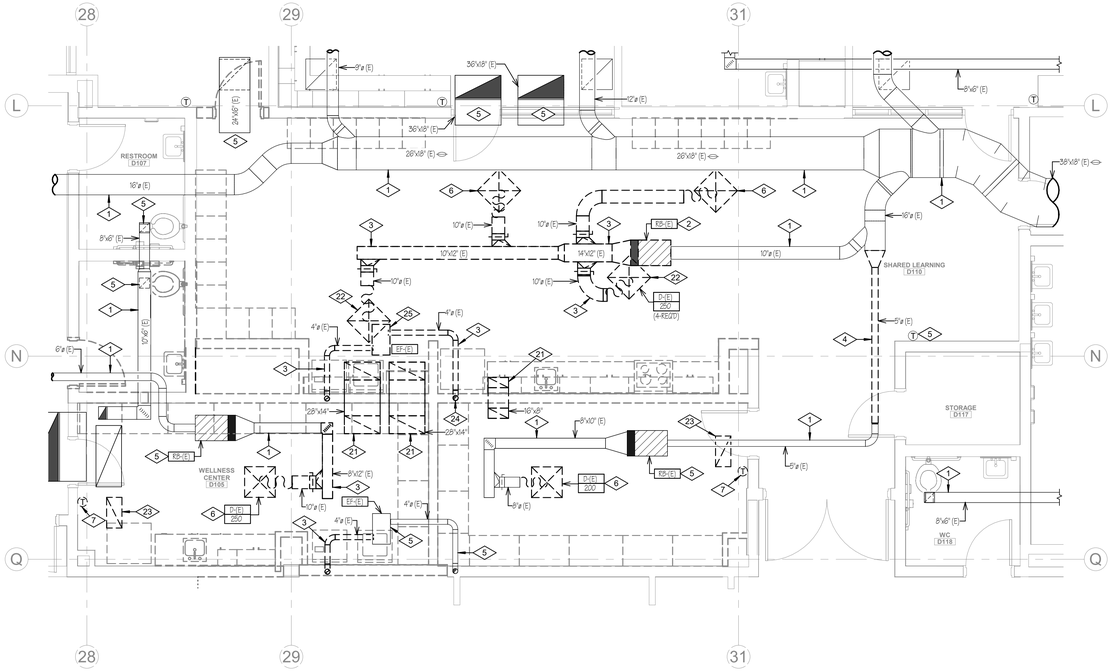
NO.	DATE	DESCRIPTION
X1A	03.14.25	BID ADD 3

ISSUE
BID DOCUMENTS
MARCH 1, 2025

SHEET NAME
FIRST FLOOR WALL PATTERN & FLOOR PATTERN PLAN

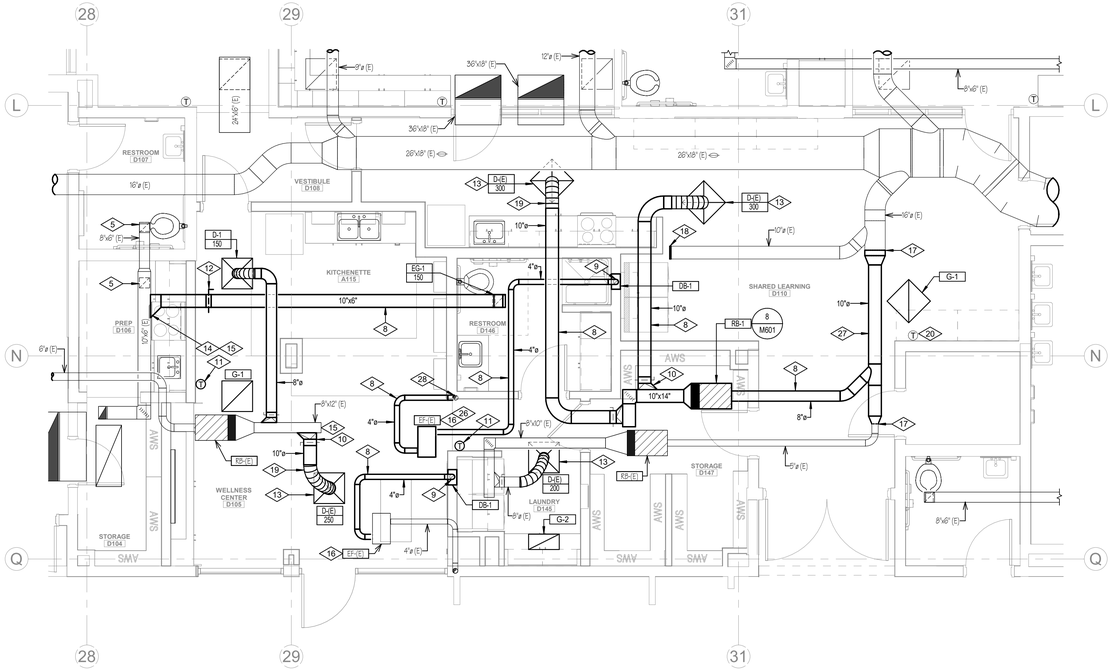
SHEET NUMBER
A651



FIRST FLOOR MECHANICAL DEMOLITION PLAN

0 2' - 0" 4' - 0" 8' - 0"

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



FIRST FLOOR MECHANICAL PLAN

0 2' - 0" 4' - 0" 8' - 0"

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

REFERENCE NOTES

1 APPROXIMATE LOCATION OF EXISTING DUCTWORK TO REMAIN. (TYPICAL)

2 REMOVE EXISTING VAV BOX, CONTROLS, SUPPORTS, ETC. COMPLETE. SALVAGE TO DISTRICT.

3 REMOVE EXISTING LOW PRESSURE DUCTWORK AND HANGERS. (TYPICAL)

4 REMOVE EXISTING MEDIUM PRESSURE DUCTWORK, HANGERS AND DUCT INSULATION COMPLETE. (TYPICAL)

5 EXISTING TO REMAIN.

6 REMOVE EXISTING SUPPLY DIFFUSER AND STORE FOR RE-INSTALLATION.

7 REMOVE EXISTING THERMOSTAT AND STORE FOR RE-INSTALLATION.

8 DUCTWORK TO RUN AS HIGH AS POSSIBLE ABOVE CEILING. COORDINATE WITH EXISTING CONDITIONS.

9 4" DIA. DRYER DUCT UP FROM DB-1. (TYPICAL)

10 HIGH-EFFICIENCY TAKE-OFF FITTING WITH VOLUME CONTROL BALANCING DAMPER. (TYPICAL)

11 REUSE AND RELOCATE EXISTING THERMOSTAT. RECONNECT TO SYSTEM AS REQUIRED.

12 PROVIDE MANUAL BALANCING DAMPER IN EXHAUST DUCT. DAMPER TO REMAIN ACCESSIBLE.

13 RELOCATE EXISTING DIFFUSER TO ALIGN WITH NEW CEILING GRID. COORDINATE WITH ARCHITECTURAL CEILING PLAN. RE-BALANCE TO CFM SHOWN.

14 TIE INTO EXISTING EXHAUST DUCTWORK ABOVE CEILING.

15 PATCH AND REPAIR EXISTING DUCTWORK AS NEEDED.

16 IN-LINE DRYER BOOSTER FAN. FAN MUST BE ACCESSIBLE. SEE DETAIL 1/M601.

17 TIE INTO EXISTING DUCT AT THIS APPROXIMATE LOCATION. RE-SEAL FITTING AND REPAIR DUCT INSULATION.

18 CAP EXISTING DUCTWORK AT THIS APPROXIMATE LOCATION.

19 FLEXIBLE DUCT. MAXIMUM LENGTH 5'-0". (TYPICAL)

20 EXISTING WALL MOUNTED THERMOSTAT TO REMAIN. RECONNECT TO NEW SYSTEM AS REQUIRED.

21 REMOVE EXISTING TRANSFER AIR DUCT.

22 REMOVE EXISTING SUPPLY AIR DIFFUSER.

23 REMOVE EXISTING RETURN AIR GRILLE.

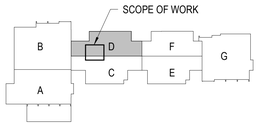
24 REMOVE 4" DIA. DRYER DUCT BACK TO DUCT RISE THRU SECOND LEVEL. PROTECT FOR RECONNECTION DURING CONSTRUCTION.

25 REMOVE EXISTING DRYER BOOSTER FAN AND STORE FOR RE-INSTALLATION. COORDINATE WITH NEW WORK PLAN FOR NEW LOCATION.

26 RELOCATE EXISTING DRYER BOOSTER FAN TO THIS APPROXIMATE LOCATION.

27 INSTALL ABOVE EXISTING CEILING. REPAIR EXISTING CEILING GRID SYSTEM AS REQUIRED.

28 TIE-IN TO EXISTING 4" DIA. DRYER DUCT TO ROOF.



BUILDING KEYPLAN

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CANYONS SCHOOL DISTRICT

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LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 3/3/2025 UTAH

MHTN PROJECT NO. 2024516

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REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO. △	DATE	DESCRIPTION

ISSUE
CONSTRUCTION DOCUMENTS
MARCH 3, 2024

SHEET NAME
FIRST FLOOR MECHANICAL PLANS

SHEET NUMBER
M101

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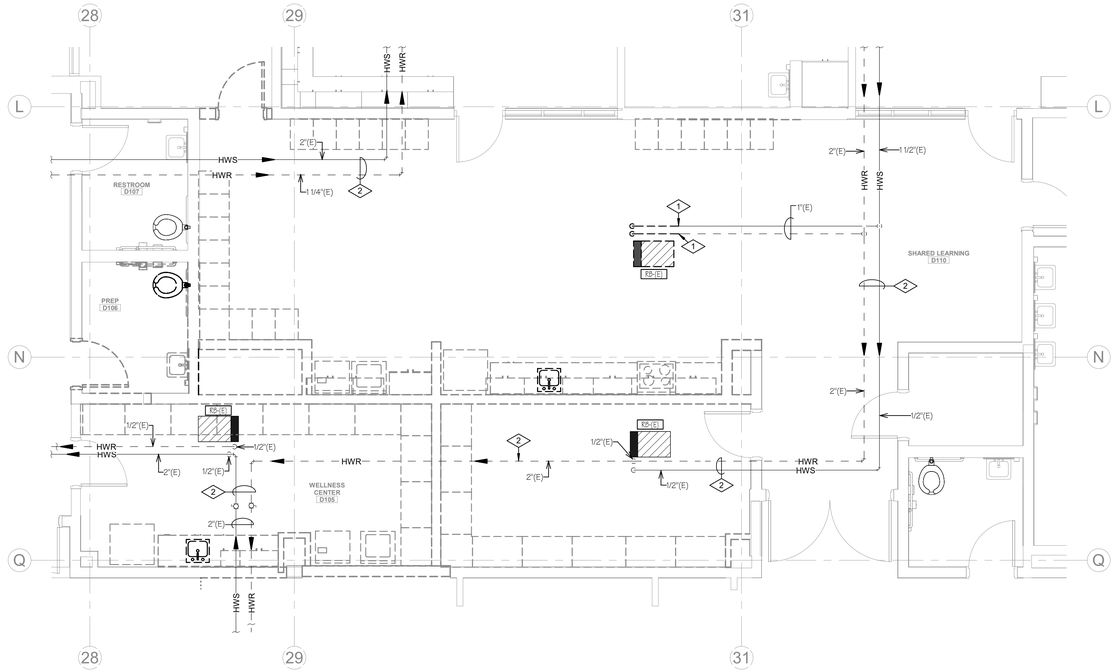


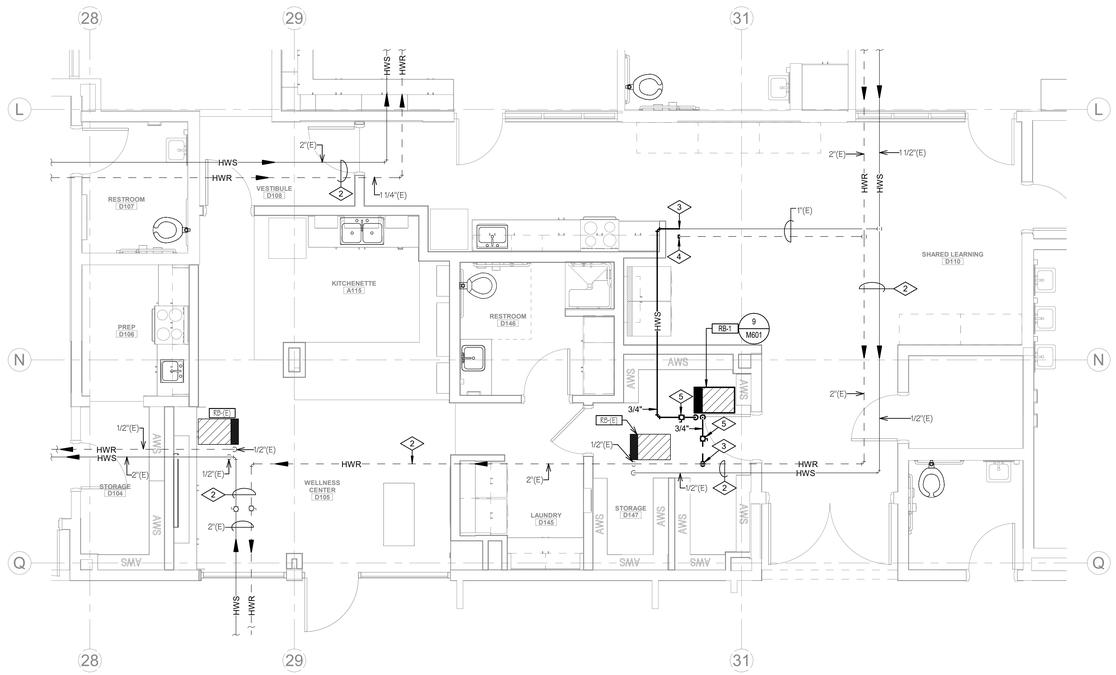
FIRST FLOOR MECHANICAL PIPING DEMOLITION PLAN

0 2' - 0" 4' - 0" 8' - 0"

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

REFERENCE NOTES

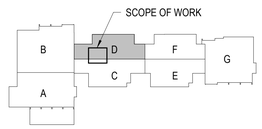
1. REMOVE EXISTING HWS & HWR PIPING BACK TO THIS APPROXIMATE LOCATION.
2. EXISTING PIPING TO REMAIN.
3. TIE INTO EXISTING PIPING ABOVE CEILING AT THIS APPROXIMATE LOCATION.
4. CAP PIPING ABOVE CEILING IN THIS APPROXIMATE LOCATION.
5. LINE SIZE BALL VALVE. VALVE MUST BE IN AN ACCESSIBLE LOCATION.



FIRST FLOOR MECHANICAL PIPING PLAN

0 2' - 0" 4' - 0" 8' - 0"

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



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LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 3/13/2025 UTAH

MHTN PROJECT NO. 2024516

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REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION

ISSUE
CONSTRUCTION DOCUMENTS
MARCH 3, 2024

SHEET NAME
FIRST FLOOR MECHANICAL PIPING PLANS

SHEET NUMBER
MP101

Autodesk Docs://2024516 CSD Brighton HS Teen Center/M24 Brighton HS Teen Center.rvt
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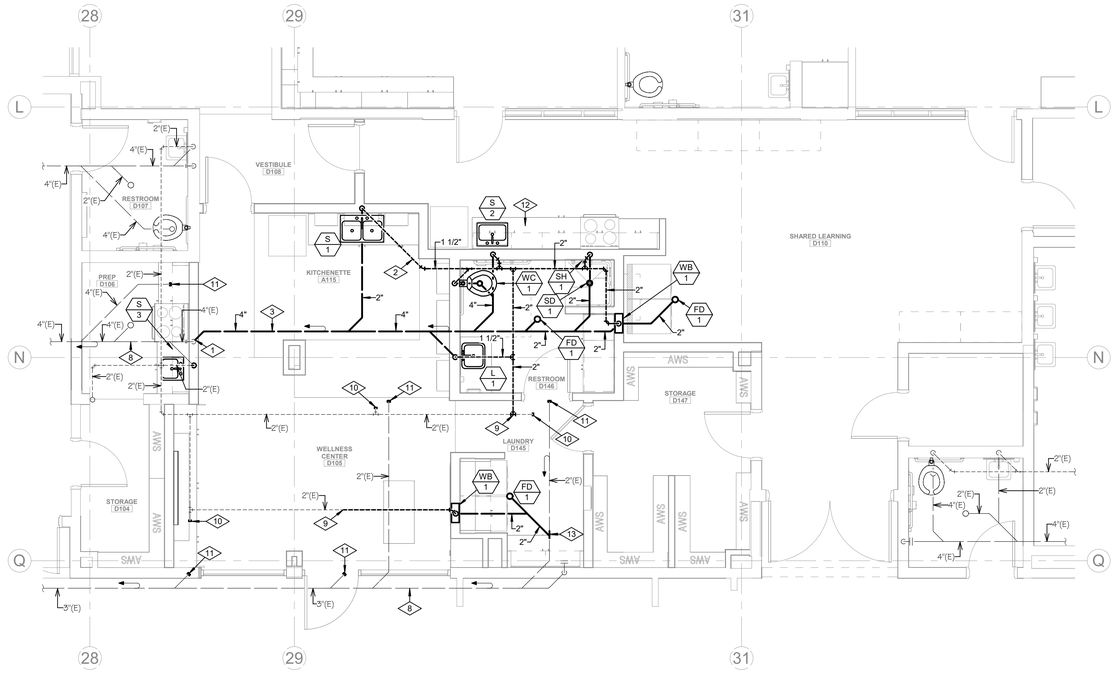
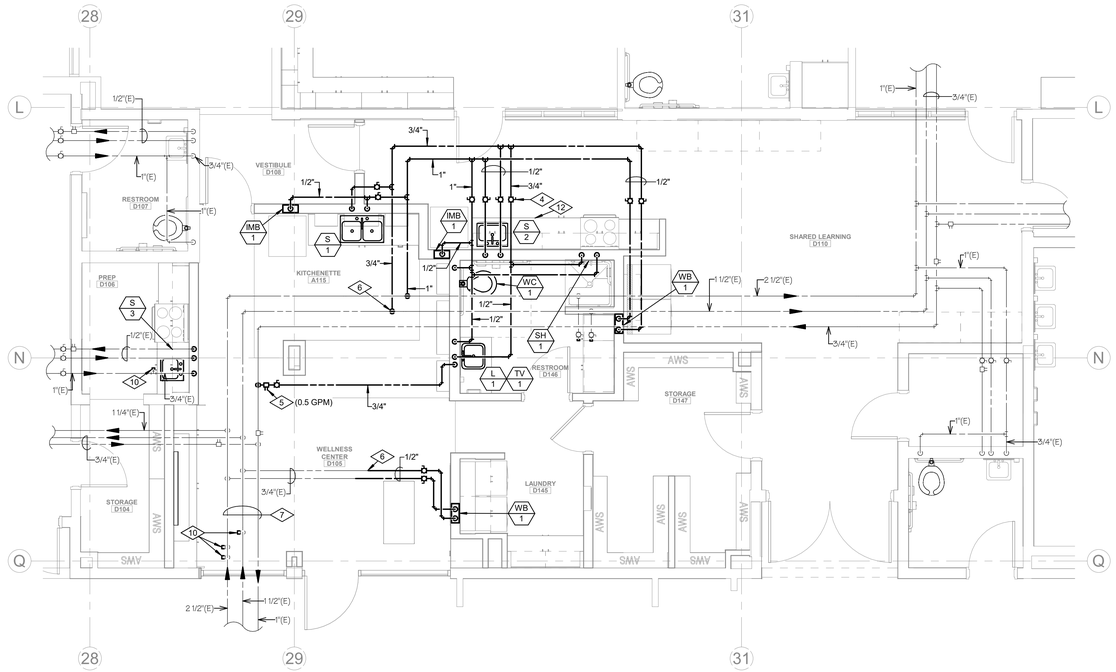


FIRST FLOOR PLUMBING PLAN - WASTE & VENT

0 2' - 0" 4' - 0" 8' - 0"

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



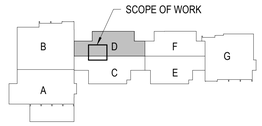
FIRST FLOOR PLUMBING PLAN - WATER SUPPLY

0 2' - 0" 4' - 0" 8' - 0"

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

REFERENCE NOTES

1. TIE-IN TO EXISTING 4" SANITARY WASTE LINE AT THIS APPROXIMATE LOCATION. FIELD VERIFY LOCATION AND INVERT ELEVATION PRIOR TO COMMENCMENT OF WORK.
2. PIPING TO RUN ABOVE CEILING. COORDINATE WITH ALL EXISTING & NEW CONDITIONS. (TYPICAL)
3. PIPING TO RUN BELOW FLOOR. COORDINATE WITH ALL EXISTING CONDITIONS. (TYPICAL)
4. LINE SIZE BALL VALVE. (TYPICAL) VALVE MUST BE ACCESSIBLE.
5. CIRCUIT SETTER IN HOT WATER RE-CIRCULATING LINE. BALANCE TO GPM SHOWN.
6. TIE-IN NEW WATERS TO EXITING AT APPROXIMATELY THIS LOCATION. FIELD VERIFY LOCATION, TYPE & FLOW AT CONNECTION. REPAIR INSULATION AT TIE-IN.
7. APPROXIMATE LOCATION OF EXISTING WATERS ABOVE CEILING.
8. APPROXIMATE LOCATION OF EXISTING WASTE LINE.
9. TIE-IN TO EXISTING 2" VENT LINE AT THIS APPROXIMATE LOCATION.
10. CAP PIPING ABOVE CEILING IN THIS APPROXIMATE LOCATION.
11. CAP PIPING BELOW FLOOR IN THIS APPROXIMATE LOCATION.
12. REINSTALL EXISTING DISHWASHER. PROVIDE WATERS FROM S-2. COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT LOCATION.
13. TIE-IN TO EXISTING 2" WASTE LINE AT THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION & INVERT ELEVATION.



BUILDING KEYPLAN

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CANYONS SCHOOL DISTRICT

Canyons School District

Brighton High School Teen Center

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SEAL

LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 3/3/2025 UTAH

MHTN PROJECT NO. 2024516

Original drawing is 30 x 42. Do not scale contents of this drawing.

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NO. △	DATE	DESCRIPTION

ISSUE
CONSTRUCTION DOCUMENTS
MARCH 3, 2024

SHEET NAME
FIRST FLOOR PLUMBING PLANS

SHEET NUMBER
P101

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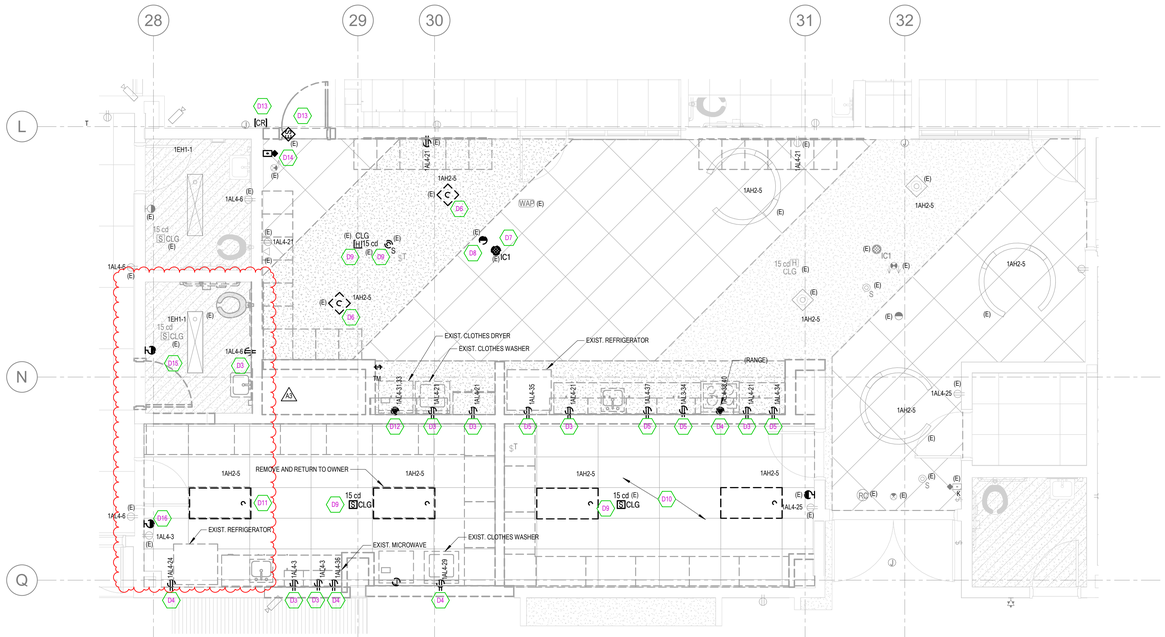

1 ELECTRICAL DEMOLITION PLAN
SCALE = 1/4" = 1'-0"

GENERAL SHEET NOTE

1. DIVISION 26 SHALL CONFIRM EXACT LOCATION OF EXISTING AND NEW EQUIPMENT WITH OWNERS. FIXTURE LOCATIONS ARE DIAGRAMMATICALLY SHOWN ON THE DRAWINGS. EXISTING ELECTRICAL FIXTURES, DEVICES, EQUIPMENT, CIRCUITING AND/OR CIRCUITING AND/OR CONDUITS ARE NOT SPECIFIED UNLESS NOTED ON DRAWINGS. FINAL ROUTING OF THE CONDUITS, CIRCUITING AND CABLING SHALL BE DETERMINED BY THE CONTRACTOR AND CLOSELY COORDINATED WITH OWNER. ALL EXISTING CONDITIONS MUST BE VERIFIED WITHOUT EXCEPTION.
2. REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING DEMOLITION DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
3. DURING DEMOLITION AND NEW CONSTRUCTION, THE CONTINUATION OF BUILDING SYSTEMS MAY BE NECESSARY. TRACE AND IDENTIFY EXISTING ELECTRICAL SYSTEM (POWER, LIGHTING, FIRE ALARM AND SECURITY) WIRING IN AREAS PRIOR TO DEMOLITION. ELECTRICAL CONTRACTOR SHALL DISCONNECT ALL NECESSARY EQUIPMENT TO MAKE IT SAFE FOR DEMOLITION. WHERE LIVE CIRCUITS OR FEEDERS PASS THROUGH A REMODEL AREA, CONTRACTOR SHALL MAINTAIN ELECTRIC CONTINUITY TO AND PROTECT BRANCH CIRCUITS AND/OR FEEDERS PASSING THROUGH. WHERE FEEDERS AND/OR BRANCH CIRCUITS FEED BOTH LOADS IN A REMODELED AREA AND OUTSIDE OF A REMODELED AREA, CONTRACTOR SHALL DISCONNECT AND REMOVE PORTIONS OF THE ELECTRICAL BRANCH CIRCUITS AND/OR FEEDERS WITHIN THE REMODELED AREA AND REWORK BRANCH CIRCUITS AND/OR FEEDERS TO MAINTAIN ELECTRICAL CONTINUITY TO LOADS OUTSIDE OF THE REMODELED AREA.
4. DEVICES AND EQUIPMENT TO BE DEMOLISHED SHALL BE REMOVED, INCLUDING ALL RELATED CONDUCTORS, RACEWAY, JUNCTION AND SPLICE BOXES UP TO THE PANELBOARD/SWITCHBOARD. ALL CONDUITS AND BOXES THAT ARE SURFACE MOUNTED AND NO LONGER REQUIRE ACTIVE CIRCUITS SHALL BE COMPLETELY REMOVED. DEVICES TO BE REMOVED ON DRYWALL OR PLASTER TYPE WALLS THAT ARE TO REMAIN SHALL HAVE THE WALL SURFACE PATCHED TO MATCH THE EXISTING FINISH. THE CONTRACTOR SHALL IDENTIFY ALL DEMOLISHED AND ABANDONED BRANCH CIRCUITS. THESE SHALL BE NOTED AS SPARE ON PANELBOARD SCHEDULES. THIS INCLUDES IDENTIFYING EXISTING ABANDONED AND SPARE CIRCUITS THAT ARE CURRENTLY IDENTIFIED AS USED. THE CONTRACTOR SHALL FURNISH NEW TYPED DIRECTORIES FOR ALL PANELBOARDS.
5. THE OWNER HAS THE RIGHT TO RETAIN ALL SALVAGEABLE MATERIAL. ANY MATERIAL THE OWNER CHOOSES NOT TO ACCEPT SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR.
6. FULLY COORDINATE MECHANICAL EQUIPMENT ELECTRICAL CONNECTION REMOVAL AND RELOCATION WITH THE MECHANICAL CONTRACTOR.
7. CONTRACTOR TO VERIFY THAT ALL EXISTING EQUIPMENT THAT IS TO REMAIN, BE REMOVED AND RE-INSTALLED ARE IN WORKING CONDITIONS. CONTRACTOR IS TO PROVIDE OWNER WRITTEN DOCUMENTATION OF ANY ITEMS NOT IN WORKING CONDITION PRIOR TO COMMENCING WORK IN AN AREA.
8. CONTRACTOR IS TO PROTECT IN PLACE ALL MECHANICAL, PLUMBING, ELECTRICAL ABOVE CEILINGS. THIS MAY INCLUDE BUT NOT LIMITED TO: NETWORK CABLING, COAX CABLING, CONDUITS, PIPING, DUCTWORK, ETC. PROVIDE ADDITIONAL CABLING SUPPORTS AS REQUIRED FOR ANY UNSUPPORTED CABLING, RACEWAY, ETC.
9. WHERE DEVICES OR EQUIPMENT IS TO BE RELOCATED, CONTRACTOR SHALL EXTEND EXISTING CIRCUITING TO NEW LOCATION. ENSURE CIRCUIT CONTINUITY FOR OTHER DEVICES OR EQUIPMENT ON THE SAME BRANCH CIRCUIT.
10. WHERE FLOORS ARE BEING REMOVED AND/OR REPLACED, CONTRACTOR SHALL PROTECT ELECTRICAL FEEDERS AND BRANCH CIRCUITS WHICH ARE EITHER TO REMAIN PERMANENTLY OR UNTIL DEMOLITION IN FUTURE PHASING WHILE STRUCTURAL WORK IS PERFORMED. PROVIDE ALL NECESSARY LABOR AND MATERIALS TO PERFORM WORK AS COORDINATED WITH THE CONSTRUCTION MANAGER.
11. ANY FIRE ALARM DEVICE(S) REMOVED DURING DEMOLITION ARE REQUIRED TO BE RELOCATED IN THE LOCATION NECESSARY TO PROVIDE COVERAGE PER NFPA 72, AND CIRCUITED SAME AS BEFORE. FIRE ALARM DEVICE(S) ARE NOT ALLOWED TO BE LOCATED CENTER OF ANY ROOM OR SPACE. IF MORE FIRE ALARM DEVICES ARE REQUIRED CONTRACTOR SHALL PROVIDE THEM COMPLETELY. REFER TO SHEET E401 FOR MORE INFORMATION. SEE NEW SHEET FOR NEW FIRE ALARM INFORMATION. REMOVE EXISTING FIRE ALARM DEVICE (S) AS NECESSARY FOR REMOVAL OF CEILING SYSTEM. RE-INSTALL ONCE NEW CEILING IS INSTALLED.
12. REMOVE VOICE/DATA CABLING BACK TO DATA ROOM UNLESS NOTED OTHERWISE.
13. PROVIDE BLANK COVERPLATE ON ALL EXISTING BOXES LOCATED IN MASONRY THAT ARE NOT BEING RE-USED. PROVIDE BLANK COVERPLATE ON ALL UNUSED BOXES.
14. COORDINATE THE DEMOLITION, PATCH, AND REPAIR OF CEILING FOR ALL LIGHTING AND ELECTRICAL APPARATUSES IN THIS AREA. DISCONNECT AND RE-CONNECT AS REQUIRED TO MAINTAIN ALL SYSTEMS.
15. DEVICES NOTED WITH SUBSCRIPT '(E)' DENOTES THE DEVICES ARE EXISTING AND TO REMAIN UNTOUCHED DURING DEMOLITION, UNLESS OTHERWISE NOTED.
16. CIRCUIT #S, IF SHOWN, ARE FROM RECORD DRAWING AND SHOWN FOR REFERENCE ONLY. VERIFY EXISTING CONDITIONS PRIOR TO WORK.

SHEET KEYNOTES

D3 EXISTING RECEPTACLE AND/OR DATA DEVICE LOCATION TO BE REMOVED. VERIFY EXISTING CIRCUITING CONDITIONS AND MAINTAIN CIRCUIT INTEGRITY OF ANY ADDITIONAL DEVICES NOT SHOWN BUT WIRED TO THE EXISTING CIRCUIT. CIRCUIT # FROM RECORD DRAWING AND SHOWN FOR REFERENCE ONLY.

D4 EXISTING ELECTRICAL DEVICE LOCATION TO BE REMOVED AS REQUIRED FOR RENOVATION. MAINTAIN CIRCUIT INTEGRITY AND EXTEND CIRCUIT TO NEW LOCATION AS SHOWN ON SHEET E301. REWORK CIRCUITRY AS REQUIRED AND UPDATE PANEL INDEX IF CIRCUIT USE IS CHANGED.

D5 EXISTING ELECTRICAL DEVICE LOCATION TO BE REMOVED AS REQUIRED FOR RENOVATION. MAINTAIN CIRCUIT INTEGRITY AND EXTEND CIRCUIT TO NEW LOCATION AS SHOWN ON SHEET E301. REPLACE EXISTING 20A 1P BREAKER WITH 20A 1P 5mA GFCI BREAKER. REWORK CIRCUITRY AS REQUIRED AND UPDATE PANEL INDEX IF CIRCUIT USE IS CHANGED.

D6 REMOVE EXISTING LIGHT FIXTURES AS SHOWN. VERIFY EXISTING CIRCUITING CONDITIONS AND MAINTAIN CIRCUIT INTEGRITY OF ANY ADDITIONAL LIGHT FIXTURES NOT SHOWN BUT WIRED TO THE EXISTING CIRCUIT. LABEL APPROPRIATELY AND RETURN TO OWNER, OR PROPERLY DISPOSE OF FIXTURES THAT THE OWNER CHOOSES NOT TO KEEP. SEE E200 SERIES SHEETS FOR NEW REQUIREMENTS.

D7 EXISTING INTERCOM LOUDSPEAKER TO BE REMOVED FOR REMOVAL OF CEILING SYSTEM AND OVERALL DEMOLITION. MAINTAIN CIRCUIT INTEGRITY AND EXTEND CONDUIT AND WIRE TO RELOCATED LOCATION WITHIN NEW CEILING GRID. SEE E301 SHEET FOR NEW REQUIREMENTS.

D8 EXISTING LIGHTING OCCUPANCY SENSOR TO BE REMOVED FOR REMOVAL OF CEILING SYSTEM AND OVERALL DEMOLITION. MAINTAIN CIRCUIT INTEGRITY AND EXTEND CONDUIT AND WIRE TO RELOCATED LOCATION WITHIN NEW CEILING GRID. SEE E301 SHEET FOR NEW REQUIREMENTS.

D9 EXISTING CEILING MOUNTED FIRE ALARM DEVICE TO BE REMOVED FOR REMOVAL OF CEILING SYSTEM. TEMPORARILY STORE AND PROTECT DURING CONSTRUCTION. MAINTAIN CIRCUIT INTEGRITY AND RE-INSTALL IN NEW ACT CEILING. EXTEND CIRCUIT AND BOX AS REQUIRED. SEE E301 SHEET FOR NEW REQUIREMENTS.

D10 REMOVE EXISTING LIGHT FIXTURES AND CONTROL DEVICES THROUGHOUT REMODEL SPACE/AREA. MAINTAIN EXISTING LIGHTING CIRCUIT INTEGRITY FOR USE WITH NEW LIGHT FIXTURES AND NEW CONTROLS. REMOVE ALL PREVIOUS CONTROL LOCATIONS AND REWORK NEW SWITCH LEGS AND CONTROLS AS SHOWN ON E201. LABEL EXISTING LIGHT FIXTURES AND APPARATUS APPROPRIATELY, AND RETURN TO OWNER, OR PROPERLY DISPOSE OF FIXTURES THAT THE OWNER CHOOSES NOT TO KEEP.

D11 EXISTING LED LIGHT FIXTURE TO BE RE-USED IN REMODELED SPACE. CAREFULLY REMOVE EXISTING LED LIGHT FIXTURE AND TEMPORARILY STORE AND PROTECT DURING CONSTRUCTION. MAINTAIN EXISTING CONTROLS LIGHTING CIRCUIT INTEGRITY AND REINSTALL FIXTURE WITHIN NEW CEILING GRID. SEE E201 SHEET FOR NEW REQUIREMENTS.

D12 EXISTING ELECTRICAL DEVICE LOCATION TO BE REMOVED AS REQUIRED FOR RENOVATION. MAINTAIN CIRCUIT INTEGRITY AND EXTEND CIRCUIT TO NEW LOCATION AS SHOWN ON SHEET E301. REPLACE EXISTING 30A 2P BREAKER WITH 30A 2P 5mA GFCI BREAKER. REWORK CIRCUITRY AS REQUIRED AND UPDATE PANEL INDEX IF CIRCUIT USE IS CHANGED.

D13 EXISTING CARD READER AND ELECTRIC STRIKE LOCATION. CAREFULLY REMOVE CARD READER AND ACS CIRCUIT AS REQUIRED FOR DOOR DEMOLITION. PROVIDE SS BLANK COVERPLATE OVER REMAINING BOXES AS REQUIRED. EXISTING DOOR, CARD READER AND ELECTRIC STRIKE TO BE RE-USED FOR NEW SPED ENTRY. LOCATE AND INSTALL CARD READER AND ELECTRIC STRIKE AT NEW LOCATION. REWORK AND EXTEND CONDUIT AND WIRE NEW LOCATION AS REQUIRED. REFER TO SHEET E301 FOR NEW LOCATION.

D14 EXISTING LIGHTING WALLSTATION TO BE RELOCATED. REMOVE AND BLANK OFF EXISTING WALL BOX WITH SS COVER. MAINTAIN CIRCUIT INTEGRITY AND EXTEND CONDUIT AND WIRE TO RELOCATED LOCATION WITHIN NEW SPED ENTRY DOOR. SEE E201 SHEET FOR NEW REQUIREMENTS.

D15 REMOVE EXISTING WALL MOTION SENSOR/SWITCH AND PREPARE EXISTING RESTROOM FIXTURE TO OPERATE WITH NEW PREP/STORAGE AREA SWITCHLEG AND CONTROL.

D16 RELOCATE EXISTING WALL MOTION SENSOR/SWITCH TO THE DOOR'S OTHER SIDE. REWORK SWITCHLEGS AND FIXTURE CIRCUITS SO THAT PREP AND STORAGE LIGHT FIXTURES WORK TOGETHER WITH RELOCATED ENTRY WALL MOTION SENSOR.

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MHTN PROJECT NO. 2024516

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NO.	DATE	DESCRIPTION
A3	3/14/2025	ADDENDUM #3

ISSUE
CONSTRUCTION DOCUMENTS
MARCH 3, 2025

SHEET NAME
ELECTRICAL DEMOLITION PLANS

SHEET NUMBER
ED101

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LIGHT FIXTURE SCHEDULE

LIGHT FIXTURE ABBREVIATION SCHEDULE — PROJECT MANAGER: DRAYTON/MICAH

A.F.F.	ABOVE FINISH FLOOR	SCBA	STANDARD PAINTED COLOR AS SELECTED BY THE ARCHITECT
WALL@CLG	WALL MOUNT AT CORNER OF WALL AND CEILING	CFBA	CUSTOM FINISH AS SELECTED BY THE ARCHITECT
CCBA	CUSTOM PAINTED COLOR AS SELECTED BY THE ARCHITECT	SFBA	STANDARD FINISH AS SELECTED BY THE ARCHITECT

LIGHT FIXTURE GENERAL NOTES

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES AND, CONFIRM CEILING TYPES WITH LIGHT FIXTURE TRIMS. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO BIDDING.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPENCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.
3. REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE, FUSING, LED DRIVERS, AND LAMP REQUIREMENTS AND ACCEPTABLE MANUFACTURERS.
4. CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO...
5. REFER TO LIGHTING PLANS FOR ALL LINEAR FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF LINEAR FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH.
6. REFER TO LIGHTING PLANS FOR ALL UNDERCABINET FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF THE UNDERCABINET FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH OR TO FIT WITHIN THE MILLWORK. COORDINATE FIXTURE LAYOUT WITH MILLWORK SHOP DRAWINGS PRIOR TO LIGHTING SUBMITTALS.
7. WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, NOTIFY THE ELECTRICAL ENGINEER AND/OR LIGHTING DESIGNER.
8. PRIOR APPROVALS ARE REQUIRED BEFORE BIDDING THE PROJECT AND SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) EIGHT WORKING DAYS BEFORE THE BID. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHAL...
9. REFER TO SPECIFICATIONS 20 0500, 26 5100 & 26 5600 (16001, 16510 & 16551).
10. VALUE ENGINEERING CONDUCTED WITHOUT THE DESIGN TEAM IE; ARCHITECT, ENGINEER & LIGHTING CONSULTANT/DESIGNER WILL NOT BE ALLOWED, REVIEWED OR APPROVED.

TYPE	DESCRIPTION	MFR.	CATALOG #	TOTAL WATTS	LAMP TYPE	DELIVERED LUMENS	COLOR TEMP	CRI
B26	2'X2' HIGH EFFICIENT LED ARCHITECTURALLY STYLED RECESSED LUMINAIRE; RIBBED FROSTED CENTER LENS; LOW PROFILE BODY; EASY ACCESS TO COMPONENTS; 66,000 HOUR (L80); 0-10 DIMMING; 5 YR. WARRANTY	COLUMBIA	LCAT22-S-30L026G-EDU	19	LED	2,610	4000 K	80+
B26O	2'X2' HIGH EFFICIENT LED ARCHITECTURALLY STYLED RECESSED LUMINAIRE; RIBBED FROSTED CENTER LENS; INTEGRAL OCCUPANCY/PHOTOCELL - PROGRAM FOR A 15-20 MINUTE DELAY; LOW PROFILE BODY; EASY ACCESS TO COMPONENTS; 66,000 HOUR (L80); 0-10 DIMMING; 5 YR. WARRANTY	COLUMBIA	LCAT22-S-30L026G-EDU-OPDG	19	LED	2,610	4000 K	80+
EXF	EXISTING FIXTURE REINSTALL					1,380	4000 K	85+
PL35	PENDANT MOUNTED 2" WIDE LED LINEAR SLOT LED LUMINAIRE; EXTRUDED ALUMINUM; SATINE ICE DIFFUSE OPTIC LENS; BUILT TO LENGTH, VERIFY LENGTHS WITH ARCHITECTURAL PLANS (1' INCREMENTS REQUIRED); STANDARD COLOR BY ARCHITECT (BL, AL, WH, ETC); FIXTURE HUNG BETWEEN ARCHITECTURAL WOOD BAFFLES/PLANK CEILING, 5 YR WARRANTY; 0-10V DIMMING	STARTEK	SLIMD-XX(SEE PLANS-350-SD-30K-80-SCBA-ACB5-U-1C)	4w/ft	LED	2,275	4000 K	80+
PL50	PENDANT MOUNTED 2" WIDE LED LINEAR SLOT LED LUMINAIRE; EXTRUDED ALUMINUM; WIDE DIFFUSE LAMBERTIAN OPTIC LENS; VERIFY LENGTHS WITH ARCHITECTURAL PLANS (1' INCREMENTS REQUIRED); STANDARD COLOR BY ARCHITECT (BL, AL, WH, ETC); FIXTURE HUNG BETWEEN ARCHITECTURAL WOOD BAFFLES/PLANK CEILING, 5 YR WARRANTY; 0-10V DIMMING	STARTEK	SLIMD-8'-625-WD-30K-80-SCBA-ACB5-U-1C	45	LED	5,000	4000 K	80+
SD6	6" ROUND SURFACE MOUNTED LED LUMINAIRE; LOW PROFILE; MOUNTS IN STANDARD 4" DEEP OCTAGONAL JUNCTION BOX; PROVIDE JUNCTION BOX/HOUSING AS REQUIRED; 50,000 HOUR (L70); 5 YR WARRANTY; 0-10 DIMMING; FIELD-SELECTABLE LUMEN OUTPUT (HIGH, 3000K)	PRESCOLITE	LBE5-6RD-CS9-WH	13	LED	1,100	4000 K	80+
VL	WALL MOUNTED LINEAR RECTANGULAR LED VANITY; WHITE ACRYLIC DIFFUSER; STANDARD COLOR BY ARCHITECT (BL, AL, WH, ETC); 60,000 HOUR (L70); 0-10 DIMMING	WAC LIGHTING	WS-77624-3000K-SCBA-11	21	LED	1,440	4000 K	80+
X1	UNIVERSAL EDGE-LIT EXIT SIGN; BRUSHED ALUMINUM HOUSING AND BLACK PLASTIC END-CAPS, WITH HIGH GRADE ACRYLIC PANEL; UNIVERSAL MOUNT, SURFACE, RECESSED OR END-MOUNT; AC ONLY	EMERGI-LITE OR BEGHELLI	PAG6	3.3	LED	100	4000 K	80+

A3

1 TEEN CENTER LIGHTING FLOOR PLAN
SCALE = 1/4" = 1'-0"

LIGHTING CONTROL INTENT NARRATIVE (IECC 2021 COMPLIANT)

THE DRAWINGS SHOW GENERAL ZONING INTENT. THE BIDDING CONTRACTOR ALONG WITH THE LIGHTING CONTROLS MANUFACTURER IS RESPONSIBLE FOR PROVIDING A SYSTEM WITH THE FEATURES NECESSARY AND MUST BE CAPABLE OF MEETING THE INTENT. THE MANUFACTURER'S REPRESENTATIVE FOR DIVISION 26 AND BIDDING CONTROLS SHALL BE ACCOUNTABLE FOR THE COMPREHENSIVE LIGHTING CONTROLS PACKAGE'S FINALIZATION IN ALIGNMENT WITH THE DESIGN INTENT DEPICTED IN THE DRAWINGS AND COMPLYING WITH IECC 2021 REQUIREMENTS. THE LIGHTING REPRESENTATIVE IS REQUIRED TO FURNISH EXHAUSTIVE SHOP DRAWINGS, ELUCIDATING THE LIGHTING CONTROL SYSTEM'S TOPOLOGY AND THE ESSENTIAL CONNECTIONS NECESSARY FOR ITS PROPER FUNCTIONING.

GENERAL PRINCIPLES:
- ALL INDOOR AND OUTDOOR LIGHTING WILL BE CONTROLLED BY A SYSTEM THAT PRIORITIZES ENERGY EFFICIENCY AND OCCUPANT COMFORT, MEETING IECC 2021 REQUIREMENTS.
- LIGHTING WILL PRIMARILY FOLLOW A MASTER CLOCK SCHEDULE PROVIDED BY THE OWNER, WITH MANUAL OVERRIDE THROUGH TOUCH PANELS FOR FINE-TUNING.
- 0-10V DIMMING WILL BE AVAILABLE ON ALL APPLICABLE LUMINAIRES FOR SMOOTH LIGHT LEVEL ADJUSTMENTS.
- OCCUPANCY SENSORS WILL AUTOMATICALLY DIM LIGHTS TO PRESET LEVELS (50% FOR CORRIDORS, STAIRWELLS, VESTIBULES) AFTER PERIODS OF INACTIVITY (15 MINUTES).
- DAYLIGHT SENSORS WILL FURTHER ADJUST LIGHT LEVELS IN DESIGNATED ZONES BASED ON AVAILABLE NATURAL LIGHT.

SPECIFIC AREAS:

RESTROOMS:
- PROVIDE WALL MOTION OCCUPANCY SENSOR. PROVIDE 20 MINUTE VACANCY MODE. WIRE EXHUAST FANS THROUGH WALL STATION.

STORAGE:
- PROVIDE 0-10V DIMMING WALL MOTION OCCUPANCY SENSOR. PROVIDE 2 MINUTE VACANCY MODE.

REMAINING SPACES:
- UPON ENTERING THE SPACE, THE OCCUPANT LIGHTS TURN ON AUTOMATICALLY TO 50%.
- OCCUPANTS CAN SET DESIRED LIGHT LEVELS FROM PRE-PROGRAMMED SCENES THROUGH THE WALL STATIONS.
- LIGHTS TURN OFF AUTOMATICALLY AFTER VACANCY OR A PRESET TIMEOUT PERIOD.
- EMERGENCY LUMINAIRES OPERATE ON THE SAME CIRCUIT AS NORMAL CLASSROOM LIGHTS.
- IN CASE OF A POWER FAILURE, DESIGNATED EMERGENCY LUMINAIRE(S)AUTOMATICALLY SWITCH TO 100% BRIGHTNESS.

RC1 WALLSTATION:
ALL ON: TURNS ALL LIGHTING RELAYS ON, BRINGING ALL DIMMING ZONES TO 100%.
KITCHEN: TOGGLES ON/OFF KITCHEN LIGHTS (b), BRINGING (b) DIMMING ZONES TO 100%.
GLOW: TOGGLES ON/OFF KITCHEN WALL WASHERS LIGHTS (c), BRINGING (c) DIMMING ZONES TO 100%.
LIVING: TOGGLES ON/OFF LIVING/LAUNDRY AREA LIGHTS (a), BRINGING (a) DIMMING ZONES TO 100% |HIGH-END TRIM SETTING TO BE VERIFIED AND SET ON-SITE WITH OWNER/ENGINEER|
RAISE & LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF ALL DIMMING ZONES.
ALL OFF: TURNS OFF ALL LIGHTING LOADS.

COMPLIANCE:
THIS NARRATIVE OUTLINES A LIGHTING CONTROL SYSTEM THAT COMPLIES WITH THE LATEST IECC 2021 REQUIREMENTS, EMPHASIZING AUTOMATED CONTROLS, DAYLIGHT HARVESTING, AND ENERGY-EFFICIENT DIMMING BASED ON OCCUPANCY AND AMBIENT LIGHT LEVELS. THIS APPROACH HELPS MINIMIZE ENERGY CONSUMPTION WHILE ENSURING ADEQUATE LIGHTING FOR OCCUPANT SAFETY AND COMFORT.

EMERGENCY LIGHTING AND IBC/IECC COMPLIANCE
IN ADDITION TO THE STANDARD LIGHTING CONTROL SYSTEM, THE PROJECT WILL INCLUDE AN EMERGENCY LIGHTING SYSTEM DESIGNED TO MEET THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL ENERGY CONSERVATION CODE (IECC). THIS SYSTEM PRIORITIZES OCCUPANT SAFETY AND EGRESS DURING POWER OUTAGES.

EMERGENCY LIGHTING FEATURES:
- DEDICATED CIRCUITS: EMERGENCY LUMINAIRES WILL BE CONNECTED TO SEPARATE, DEDICATED CIRCUITS THAT ARE NOT AFFECTED BY NORMAL POWER OUTAGES.
- AUTOMATIC ACTIVATION: UPON DETECTION OF A POWER FAILURE, EMERGENCY LIGHTS WILL AUTOMATICALLY SWITCH ON TO 100% BRIGHTNESS WITHIN THE FACILITY.
- GENERATOR BACKUP: THE EMERGENCY LIGHTING SYSTEM WILL BE BACKED UP BY A GENERATOR TO ENSURE SUSTAINED OPERATION DURING EXTENDED POWER OUTAGES.
- EXIT PATH ILLUMINATION: EMERGENCY LIGHTING WILL BE STRATEGICALLY PLACED TO EFFECTIVELY ILLUMINATE ALL DESIGNATED EXIT PATHS AND STAIRWELLS, FACILITATING SAFE EVACUATION.
- COMPLIANCE AND INSPECTION: THE EMERGENCY LIGHTING SYSTEM WILL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH IBC AND IECC REQUIREMENTS, AND WILL BE SUBJECT TO REGULAR INSPECTIONS TO ENSURE PROPER FUNCTIONALITY.

ADDITIONAL NOTES:
- THE SPECIFIED TIME DELAYS AND LIGHT LEVELS CAN BE ADJUSTED TO SUIT THE SPECIFIC NEEDS OF THE BUILDING AND OCCUPANTS. AFTER 2 MONTHS OF OCCUPANCY, LIGHTING PROGRAMMER SHALL RETURN TO MAKE ADJUSTMENTS PER THE OWNERS REQUEST.

GENERAL NOTES

1. PROGRAM SYSTEM TO MEET THE REQUIREMENTS OF IECC 2021 OR CURRENT ENERGY CODE.
2. CONFIRM SWITCHING AND PROGRAMMING SCHEME WITH OWNER PRIOR TO PROGRAMMING.
3. PROGRAM SYSTEM TO INCORPORATE AUTO DAYLIGHT SAVINGS ADJUSTMENTS, ASTRONOMICAL CLOCK WITH OFFSETS, HOLIDAY DATES, AND NETWORK OVERRIDE.
4. REFER TO WALLSTATION DIAGRAMS FOR FACTORY ENGRAVED LABELING FOR ALL INDIVIDUAL PUSH-BUTTONS. DEVICE AND COVERPLATE COLORS SELECTED BY ARCHITECT.
5. SUBMIT ALL WALLSTATION LAYOUTS, ENGRAVING AND CONTROL SEQUENCES DURING THE SHOP DRAWINGS REVIEW PROCESS.
6. PROVIDE RELAY BARRIER FOR VOLTAGE AND POWER SOURCE SEPARATION (EMERGENCY AND NORMAL CIRCUITS, VOLTAGE DIFFERENCES).

LIGHTING GENERAL SHEET NOTES

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL FIXTURE LOCATIONS WITHIN A CEILING OR CEILING GRID. FOR AREAS WITHOUT CEILINGS, FIXTURE LOCATIONS ARE DIAGRAMMATIC. THE INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND STRUCTURAL ELEMENTS. CONTRACTOR TO PAINT EXPOSED RACEWAY TO MATCH ADJACENT SURFACES.
2. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN MECHANICAL ROOMS.
3. ALL ROOM CONTROLLERS AND/OR POWER PACKS SHALL BE INSTALLED IN THE CEILING SPACE DIRECTLY ABOVE THE ENTRY DOOR TO THE SPACE IT IS CONTROLLING.
4. SEE CORRESPONDING LIGHTING DIAGRAMS FOR GENERAL INSTALLATION REQUIREMENTS, CONNECTIONS, AND CABLE TYPES.
5. PROVIDE UNSWITCHED NORMAL CIRCUIT HOT LEG TO ALL EMERGENCY POWER CONTROL DEVICES FOR PROPER POWER SENSING.
6. PROVIDE UNSWITCHED HOT AHEAD OF RELAY, OCCUPANCY SENSOR, OR SWITCH TO ALL EXIT SIGNS.
7. IF SHOWN, SUBSCRIPT NEAR LIGHT FIXTURES INDICATES CONTROL INTENT. PROVIDE LIGHTING CONTROLLERS WITH THE REQUIRED NUMBER OF RELAYS/DIMMERS.
8. MANUFACTURER'S REPRESENTATIVE FOR DIVISION 26 AND BIDDING CONTROLS SHALL BE ACCOUNTABLE FOR THE COMPREHENSIVE LIGHTING CONTROLS PACKAGE'S FINALIZATION IN ALIGNMENT WITH THE DESIGN INTENT DEPICTED IN THE DRAWINGS AND COMPLYING WITH IECC 2021 REQUIREMENTS. THE LIGHTING REPRESENTATIVE IS REQUIRED TO DEVOLOP DETAILED SHOP DRAWINGS DEMONSTRATING THE LIGHTING CONTROL SYSTEM'S TOPOLOGY AND THE ESSENTIAL CONNECTIONS NECESSARY FOR ITS PROPER FUNCTIONING. LIGHTING CONTROL DEVICES SHOWN ARE TO PROVIDE GENERAL INTENT ONLY. MANUFACTURERS REPRESENTATIVE TO PROVIDE ALL ADDITIONAL DEVICES AND MODIFY DEVICE LOCATIONS AS REQUIRED TO MEET IECC 2021 REQUIREMENTs
9. PROVIDE ADDITIONAL RELAYS/DIMMERS FOR DAYLIGHT ZONES AS NEEDED. PROVIDE 0-10V DIMMING FOR ALL AREAS AND/OR ROOMS WHERE 0-10V DIMMING IS INDICATED BY THE WALLSTATION CONTROL SEQUENCE AND OR BY TYPE OF CONTROL INTERFACE SHOWN.

LIGHTING SENSOR GENERAL NOTES

1. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE SENSOR MANUFACTURER FOR PROPER PLACEMENT AND ADJUSTMENT OF OCCUPANCY SENSORS.
2. EACH ZONE SHALL HAVE COVERAGE BY OCCUPANCY SENSOR SUCH THAT NO BLIND SPOT EXIST.
3. UPON COMPLETION OF THE INSTALLATION, THE SYSTEM SHALL BE COMPLETELY COMMISSIONED BY THE MANUFACTURER'S FACTORY AUTHORIZED TECHNICIAN WHO WILL VERIFY ALL ADJUSTMENTS AND SENSOR PLACEMENT TO ENSURE A TROUBLE-FREE INSTALLATION.
4. THE LOCATION AND QUANTITIES OF SENSORS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE ONLY THE ROOMS WHICH ARE TO BE PROVIDED WITH SENSORS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ADDITIONAL SENSORS AS REQUIRED TO PROPERLY COVER THE RESPECTIVE ROOM.
5. PROVIDE DAYLIGHT ZONE CONTROL REQUIREMENTS PER IECC-2015 C405.2.2.3. LOCATE DAYLIGHT SENSOR(S) PER MANUFACTURER'S RECOMMENDATION AND WHERE REQUIRED WITHIN THE ROOM FOR PROPER COVERAGE.
6. PROVIDE OCCUPANCY SENSOR WITH AN ADDITIONAL SET OF DRY CONTACTS FOR HVAC CONTROL AT EACH VAV BOX LOCATION.

SHEET KEYNOTES

L1	MOUNT ROOM CONTROLLER(S) ABOVE ENTRY DOOR ALONG WITH ANY OTHER RELATED MODULES. PROVIDE INDICATOR LABELING ON GRID TILE NEAREST THE ROOM CONTROLLER. COORDINATE WITH ARCHITECT FOR STYLE AND METHOD LABELING. SEE CORRESPONDING ROOM CONTROLLER DIAGRAM S003 FOR MORE INFORMATION.
L2	PROVIDE NEW LIGHT FIXTURES AND CONTROLS AS SHOWN. WIRE NEW LIGHT FIXTURES TO LIGHTING CIRCUIT PREVIOUSLY FEEDING THIS CLASSROOM/AREA (EXISTING CIRCUITS PER RECORD DRAWINGS AND FOR REFERENCE ONLY).
L3	PROVIDE DUAL TECH. OCCUPANCY SENSOR(S) AS SHOWN. PROGRAM FOR AUTO-ON. LOCATE OCCUPANCY SENSOR(S) PER MANUFACTURER FOR PROPER PLACEMENT AND ADJUSTMENT OF OCCUPANCY SENSORS. PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY COVER THE RESPECTIVE ROOM.
L4	PROVIDE NEW LOW VOLTAGE WALLSTATION AS SHOWN. REFER TO NARRATIVE FOR LAYOUT AND CONTROL REQUIREMENTS.
L6	PROVIDE NEW EXIT SIGN AS SHOWN. WIRE INTO EXISTING UNSWITCHED EXIT SIGN CIRCUIT.
L7	PROVIDE NEW LIGHT FIXTURES AS SHOWN. WIRE NEW LIGHT FIXTURES INTO EXISTING SPED LIGHTING CONTROL/CIRCUIT (EXISTING CIRCUITS PER RECORD DRAWINGS AND FOR REFERENCE ONLY).
L8	REINSTALL EXISTING LIGHTING WALLSTATION PREVIOUSLY REMOVED DURING DEMOLITION. REWORK AND REINSTALL IN NEW LOCATION AS SHOWN.
L9	PROVIDE NEW LIGHTS AND CONTROLS AS SHOWN. WIRE NEW LIGHTS INTO EXISTING STAIRWELL LIGHTING CIRCUIT.

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SEAL

MHTN PROJECT NO. 2024516

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
A3	3/14/2025	ADDENDUM #3

ISSUE
CONSTRUCTION DOCUMENTS
MARCH 3, 2025

SHEET NAME
TEEN CENTER LIGHTING FLOOR PLAN

SHEET NUMBER
E201

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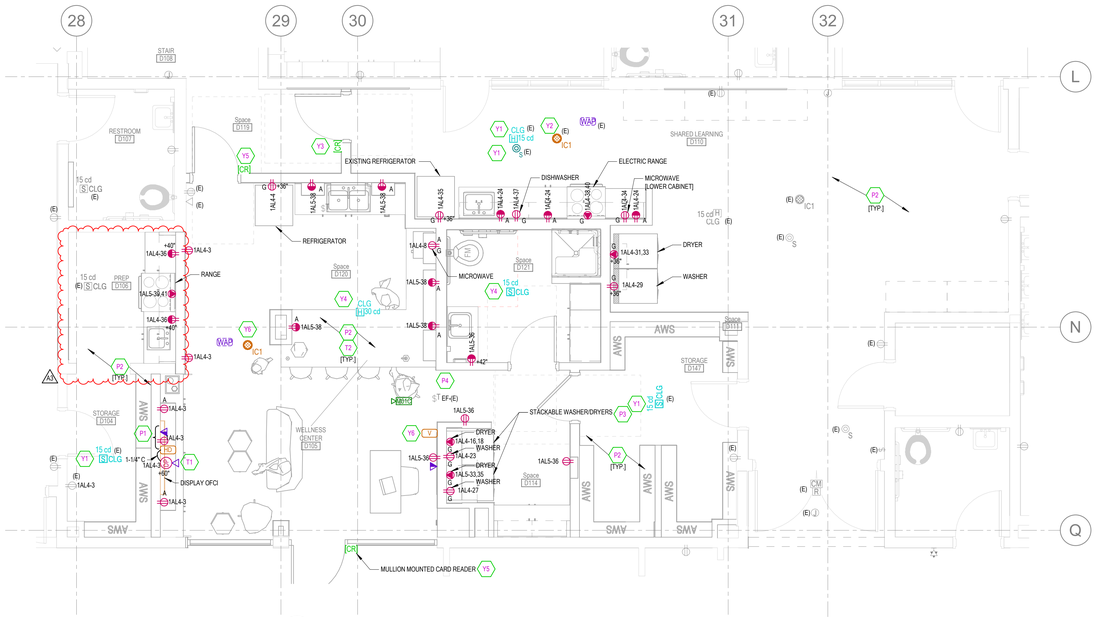

1 TEEN CENTER ELECTRICAL FLOOR PLAN
SCALE = 1/4" = 1'-0"

SHEET KEYNOTES

P1 LOCATE DEVICES WITHIN LOWER MILLWORK CABINET. COORDINATE WITH MILLWORK SHOP DRAWINGS PRIOR TO ROUGH-IN.

P2 PROVIDE NEW DEVICES AS SHOWN. CIRCUIT TO NEW OR EXISTING CIRCUITS AS INDICATED ON PLAN. VERIFY EXISTING CIRCUITING CONDITIONS AND MAINTAIN CIRCUIT INTEGRITY OF ANY ADDITIONAL DEVICES NOT SHOWN BUT WIRED TO THE EXISTING CIRCUIT.

P3 PROVIDE ELECTRICAL DEVICES REQUIRED FOR STACKABLE WASHERS AND DRYERS. COORDINATE WITH MILLWORK SHOP DRAWINGS AND ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION AND HEIGHT PRIOR TO ROUGH-IN.

P4 EXISTING DRY BOOSTER EXHAUST FAN TO BE RELOCATED AND REWORK, DISCONNECT AND EXTEND ELECTRICAL CIRCUITRY TO NEW LOCATION AS REQUIRED. COORDINATE WITH DIV.23 FOR ADDITIONAL INFORMATION.

T1 PROVIDE FSR METAL PRODUCTS - PWB-3204 OR EQUAL DISPLAY BOX, BELOW THE DISPLAY AND WITHIN THE MILLWORK CABINET. PROVIDE 4 11/16" SQUARE JUNCTION BOX WITH EXTENSION SINGLE GANG MUDRING AND EXTRON WPD 110A PASS-THROUGH WALLPLATE. PROVIDE (1) 1-1/4" CONDUIT BETWEEN BOX AND DISPLAY BOX. PROVIDE EXTRON HDMI ULTRA/9 CABLE AND TERMINATE AT WALLPLATE AND DISPLAY. VERIFY DISPLAY BOX AND DISPLAY HEIGHT WITH OWNER PRIOR TO ROUGH-IN.

T2 RUN ALL DATA DROPS FOR NEW DEVICES E.G. OUTLETS, CAMERAS, INTERCOM, ETC. TO EXISTING TELECOM RACK AND IDF D138 AND TERMINATE AS REQUIRED. SEE SPECIFICATIONS FOR MORE INFORMATION.

Y1 REINSTALL EXISTING FIRE ALARM DEVICE PREVIOUSLY REMOVED DURING DEMOLITION. EXTEND EXISTING CIRCUIT AND REWORK AS REQUIRED.

Y2 REINSTALL EXISTING INTERCOM SPEAKER DEVICE PREVIOUSLY REMOVED DURING DEMOLITION. EXTEND EXISTING CIRCUIT AND REWORK AS REQUIRED.

Y3 REINSTALL EXISTING ELECTRIC STRIKE, CARD READER, AND ACS CIRCUIT PREVIOUSLY REMOVED DURING DEMOLITION. EXTEND EXISTING CIRCUIT AND REWORK AS REQUIRED.

Y4 PROVIDE NEW HORN/STROBE AS SHOWN. TIE ONTO EXISTING FIRE ALARM LOOP.

Y5 PROVIDE NEW CARD READER AND ACS CIRCUIT AS INDICATED AND WIRE COMPLETELY TIE INTO EXISTING ACS PANEL LOCATED IDF D138. SEE SPECIFICATIONS FOR MORE INFORMATION.

Y6 PROVIDE NEW RAULAND TCU INTERCOM SPEAKER AND CALL SWITCH FOR NEW TEEN CENTER. PROVIDE NEW RAULAND MODULE AND CIRCUIT/SPEC GRADE CATEGORY CABLE BACK TO IDF138 AND TERMINATE COMPLETELY. UPDATE SYSTEM ICS PROGRAM AS REQUIRED.

GENERAL ELECTRICAL SHEET NOTES

1. COORDINATE PLACEMENT OF ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN. WHERE DEVICES ARE SHOWN IN SAME WALL SPACE, ALIGN VERTICALLY AND HORIZONTALLY. COORDINATE WITH ARCHITECTURAL DRAWINGS, AND CABINETRY DRAWINGS.
2. ALL THE LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, SOUND AMPLIFICATION, ETC. TO BE ROUTED THROUGH CONDUIT IN EXPOSED AND CLOUDED CEILING AREAS.
3. ALL LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, CLASSROOM SOUND AMPLIFICATION, ETC. TO BE PROPERLY SUPPORTED PER THE TELE/DATA SPEC. AND AT 5'-0" INTERVALS AND TO FOLLOW BUILDING STRUCTURAL LINES. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED.
4. PROVIDE GFCI PROTECTION ON ALL DEVICES AND EQUIPMENT PER THE NEC REQUIREMENTS. DEVICES SHALL BE READILY ACCESSIBLE. IF ANY OUTLET IS INSTALLED WITHIN 6 FEET OF OUTSIDE EDGE OF SINK, CONTRACTOR SHALL PROVIDE GFCI RECEPTACLE PER NEC, WHETHER SHOWN OR NOT.
5. ALL RECEPTACLES LOCATED THROUGHOUT THE REMODEL SHALL BE TAMPER RESISTANT PER NEC 406.12.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.
7. PROVIDE NEW DATA DROPS/OUTLETS AS SHOWN. ROUTE AND TERMINATE AT NEAREST TELECOM ROOM/IDF LOCATED IN THE EXISTING IDF D138.
8. FIRE ALARM DEVICES SHOWN ARE FOR REFERENCE ONLY AND BASED UPON A PERFORMANCE SPECIFICATION. ALL NEW EQUIPMENT/DEVICE QUANTITIES, LOCATION, AND ALL NATIONAL & LOCAL CODE COMPLIANCE TO BE PROVIDED AND STAMPED BY A LICENSED FIRE ALARM ENGINEER AND INCLUDED IN THE FIRE ALARM CONTRACTORS BID. IN NO WAY ARE THE DEVICES SHOWN ON THESE DRAWINGS TO BE IMPLEMENTED AS FINAL DESIGN DOCUMENTS.
9. ANY FIRE ALARM DEVICE(S) REMOVED DURING DEMOLITION ARE REQUIRED TO BE RELOCATED IN THE LOCATION NECESSARY TO PROVIDE COVERAGE PER NFPA 72, AND CIRCUITED SAME AS BEFORE. FIRE ALARM DEVICE(S) ARE NOT ALLOWED TO BE LOCATED CENTER OF ANY ROOM OR SPACE. IF MORE FIRE ALARM DEVICES ARE REQUIRED CONTRACTOR SHALL PROVIDE THEM COMPLETELY. REFER TO SHEET E401 FOR MORE INFORMATION. SEE NEW SHEET FOR NEW FIRE ALARM INFORMATION. REMOVE EXISTING FIRE ALARM DEVICE (S) AS NECESSARY FOR REMOVAL OF CEILING SYSTEM. RE-INSTALL ONCE NEW CEILING IS INSTALLED.
10. CONTRACTOR SHALL COORDINATE EXACT LOCATION AND QUANTITY OF ALL DUCT TYPE SMOKE DETECTORS WITH MECHANICAL CONTRACTOR. HARDWIRE TO RELAY STARTER.

PANELBOARD SCHEDULE

PANEL: 1AL4 TYPE: Type 1 VOLTS: 120/208 Y PHASE: 3 WIRES: 4

MOUNTING: SURFACE LOCATION: MAINS: MLO
BUSSING: FED FROM:
AMP: 225 A
___ SUBFEED LUGS
___ DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	TYPE	AMPS	ITEM
EXISTING CIRCUIT	20 A	--	1	--	1	0			0			2	--	1	--	20 A	EXISTING CIRCUIT
** RECEPT - TEEN CENTER	20 A	--	1	--	3		1580			800		4	12	1	GF	20 A	*** FRIDGE - TEEN CENTER
EXISTING CIRCUIT	20 A	--	1	--	5			0			0	6	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	7	0			800			8	12	1	GF	20 A	* MICRO, TEEN CENTER
EXISTING CIRCUIT	20 A	--	1	--	9		0			0		10	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	11			0			0	12	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	13	0			0			14	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	15		0			4000		16	10	2	GF	30 A	** DYER - TEEN CENTER
EXISTING CIRCUIT	20 A	--	1	--	17			0			4000	18	--	--	--	--	--
EXISTING CIRCUIT	20 A	--	1	--	19	0			0			20	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	21		0			0		22	--	1	--	20 A	EXISTING CIRCUIT
** WASHER - TEEN CENTER	20 A	GF	1	12	23			180			540	24	12	1		20 A	** RECEPT, SHARED LEARNING
EXISTING CIRCUIT	20 A	--	1	--	25	0			0			26	--	1	--	20 A	EXISTING CIRCUIT
*** WASHER - TEEN CENTER	20 A	GF	1	12	27		180			0		28	--	1	--	20 A	EXISTING CIRCUIT
*** WASHER - TEEN CENTER	20 A	GF	1	12	29			180			0	30	--	1	--	20 A	EXISTING CIRCUIT
*** DRYER - TEEN CENTER	30 A	GF	2	10	31	4000			0			32	--	1	--	20 A	EXISTING CIRCUIT
--	--	--	--	--	33		4000			800		34		1		20 A	** RECEPT, TEEN CENTER
** FRIDGE - TEEN CENTER	20 A	GF	1	--	35			800			980	36		1		20 A	** RECEPT, TEEN CENTER
**DW- TEEN CENTER	20 A	GF	1	37	1200				4000			38		2	GF	50 A	** RANGE - TEEN CENTER
EXISTING CIRCUIT	20 A	--	1	--	39		0			4000		40	--	--	--	--	--
EXISTING CIRCUIT	20 A	--	1	--	41			0			0	42	--	1	--	20 A	EXISTING CIRCUIT
FEED THRU LOAD						10000	15360	6680	TOTAL (VA)								CONNECTED LOAD TOTAL
0 VA						88 A	132 A	56 A	AMPS/PHASE								32040 VA

AIC RATING _____ AMPS RMS SYSM.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	500 VA	100.00%	500 VA		
RECEPT	16000 VA	81.25%	13000 VA	Total Conn. Load:	32040 VA
RECEPTACLE	6340 VA	100.00%	6340 VA	Total Est. Demand:	29040 VA
* DISHWASHER	1200 VA	100.00%	1200 VA	Total Conn. Current:	89 A
* RANGE/OVEN	8000 VA	100.00%	8000 VA	Total Est. Demand Current:	81 A

NOTES:
EXISTING GE A-SERIES II PANELBOARD

*UTILIZE EXISTING 20A/1P SPARE
**REWORK EXIST. CIRCUIT & RE-USE BREAKER
***PROVIDE NEW BREAKER AS INDICATED (RE-WORK CIRC. AS REQUIRED)

CIRCUIT BREAKER TYPE:
<BLANK> THERMAL MAGNETIC CIRCUIT BREAKER
GF 5 mA GROUND FAULT CIRCUIT BREAKER
AF ARC-FAULT CIRCUIT BREAKER
CO COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG 30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: 1AL5 TYPE: Type 1 VOLTS: 120/208 Y PHASE: 3 WIRES: 4

MOUNTING: SURFACE LOCATION: MAINS: MLO
BUSSING: FED FROM:
AMP: 225 A
___ SUBFEED LUGS
___ DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	TYPE	AMPS	ITEM
EXISTING CIRCUIT	20 A	--	1	--	1	0			0			2	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	3		0			0		4	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	5			0			0	6	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	7	0			0			8	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	9		0			0		10	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	11			0			0	12	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	13	0			0			14	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	15		0			0		16	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	17			0			0	18	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	19	0			0			20	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	21		0			0		22	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	23			0			0	24	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	25	0			0			26	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	27		0			0		28	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	29			0			0	30	--	1	--	20 A	EXISTING CIRCUIT
EXISTING CIRCUIT	20 A	--	1	--	31	0			0			32	--	1	--	20 A	EXISTING CIRCUIT
*** DRYER - TEEN CENTER	30 A	GF	2	10	33		4000			0		34	--	1	--	20 A	EXISTING CIRCUIT
--	--	--	--	--	35			4000			720	36		1	12	20 A	* RECEPT - TEEN CENTER
SPARE	20 A	--	1	--	37	0			900			38		1	12	20 A	* RECEPT - TEEN CENTER
*** RANGE - TEEN CENTER	50 A	GF	2	8	39		4000			0		40	--	1	--	20 A	SPARE
--	--	--	--	--	41			4000			0	42	--	1	--	20 A	SPARE
FEED THRU LOAD						900	8000	8720	TOTAL (VA)								CONNECTED LOAD TOTAL
0 VA						8 A	76 A	82 A	AMPS/PHASE								17620 VA

AIC RATING _____ AMPS RMS SYSM.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
RECEPT	16000 VA	81.25%	13000 VA		
RECEPTACLE	1620 VA	100.00%	1620 VA	Total Conn. Load:	17620 VA
				Total Est. Demand:	14620 VA
				Total Conn. Current:	49 A
				Total Est. Demand Current:	41 A

NOTES:
EXISTING GE A-SERIES II PANELBOARD

*UTILIZE EXISTING 20A/1P SPARE
**REWORK EXIST. CIRCUIT & RE-USE BREAKER
***PROVIDE NEW BREAKER AS INDICATED (RE-WORK CIRC. AS REQUIRED)

CIRCUIT BREAKER TYPE:
<BLANK> THERMAL MAGNETIC CIRCUIT BREAKER
GF 5 mA GROUND FAULT CIRCUIT BREAKER
AF ARC-FAULT CIRCUIT BREAKER
CO COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG 30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
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SEAL

MHTN PROJECT NO. 2024516

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
A3	3/14/2025	ADDENDUM #3

ISSUE
CONSTRUCTION DOCUMENTS
MARCH 3, 2025

SHEET NAME
TEEN CENTER ELECTRICAL FLOOR PLAN

SHEET NUMBER
E301

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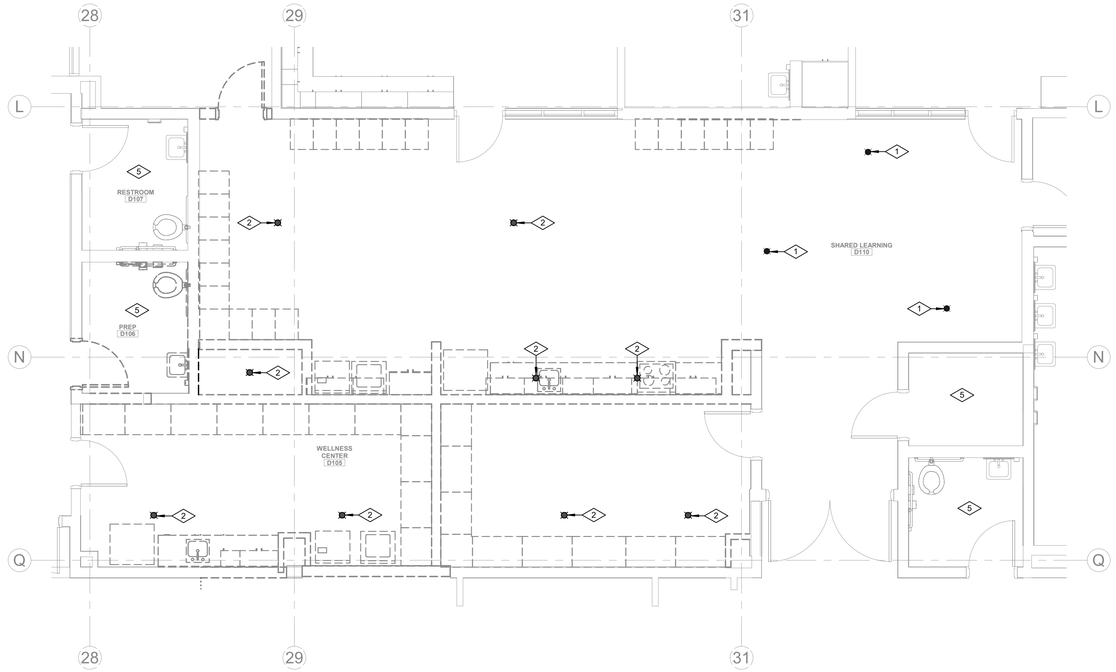


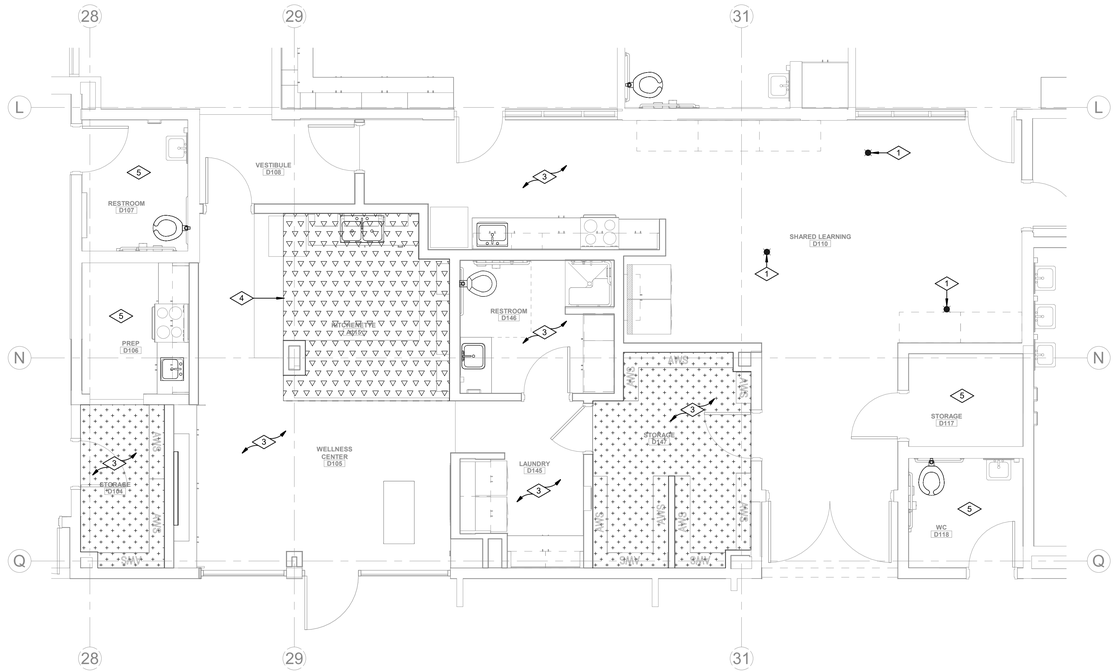
FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN

0 2' - 0" 4' - 0" 8' - 0"

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

REFERENCE NOTES

1. EXISTING FIRE SPRINKLER HEAD TO REMAIN.
2. REMOVE AND REPLACE EXISTING FIRE SPRINKLER HEADS AS REQUIRED FOR NEW WALLS AND CEILINGS. RELOCATE AND REINSTALL WHEN POSSIBLE. COORDINATE WITH ARCHITECTURAL CEILING PLAN.
3. NEW FIRE SPRINKLER HEADS REQUIRED AT AREA OF REMODEL. (TYPICAL)
4. COORDINATE SPRINKLER HEADS LAYOUT WITH ARCHITECTURAL CEILING SYSTEM.
5. NOT IN SCOPE.



FIRST FLOOR FIRE PROTECTION PLAN

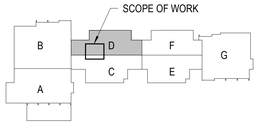
0 2' - 0" 4' - 0" 8' - 0"

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

FIRE PROTECTION LEGEND

NO MARK	• LIGHT HAZARD • LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS) • CONCEALED TYPE SPRINKLER HEADS SIMILAR TO VIKING VK4621 INSTALLED TIGHT TO CEILING WITH BRIGHT WHITE COVER PLATE
	• LIGHT HAZARD • EXPOSED STRUCTURE & CEILING CLOUDS (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS) • PROVIDE UPRIGHT BRASS HEADS AT EXPOSED STRUCTURE & CONCEALED TYPE SPRINKLER HEADS SIMILAR TO VIKING VK4621 WITH BRIGHT WHITE COVER PLATE IN CLOUDS.
	• ORDINARY HAZARD, GROUP 1 • LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS) • CONCEALED TYPE SPRINKLER HEADS SIMILAR TO VIKING VK4621 INSTALLED TIGHT TO CEILING WITH BRIGHT WHITE COVER PLATE

NOTE: CONTRACTOR SHALL COORDINATE ALL PIPING HUNG FROM STRUCTURE WITH REQUIREMENTS OF STRUCTURAL ENGINEERS DRAWINGS. SEE STRUCTURAL DRAWINGS FOR EARTHQUAKE BRACING DESIGN VALUES.



BUILDING KEYPLAN

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CANYONS SCHOOL DISTRICT

Canyons School District

Brighton High School Teen Center

2220 BENGAL BLVD
COTTONWOOD HEIGHTS, UT 84121

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SEAL

LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 3/3/2025 UTAH

MHTN PROJECT NO. 2024516

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO. △	DATE	DESCRIPTION

ISSUE
CONSTRUCTION DOCUMENTS
MARCH 3, 2024

SHEET NAME
FIRST FLOOR FIRE PROTECTION PLANS

SHEET NUMBER
FP101

Autodesk Docs://2024516 CSD Brighton HS Teen Center/M24 Brighton HS Teen Center.rvt
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