

ARCHITECTURE

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MECHANICAL

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Canyons School District Brighton High School Teen Center 2220 BENGAL BLVD COTTONWOOD HEIGHTS, UT 84121

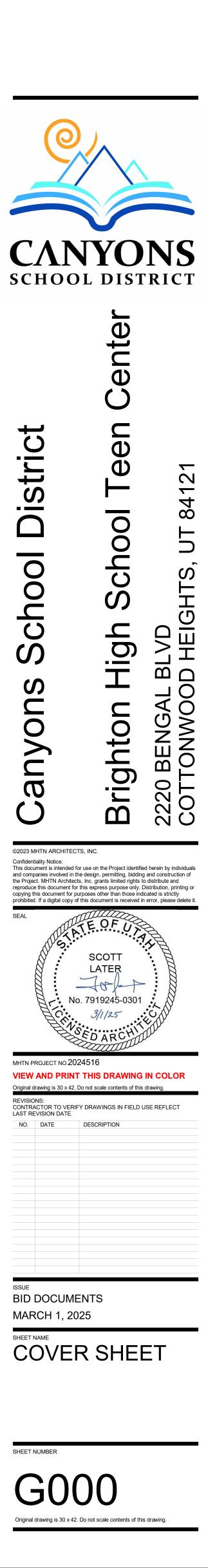
BID DOCUMENTS MARCH 1, 2025

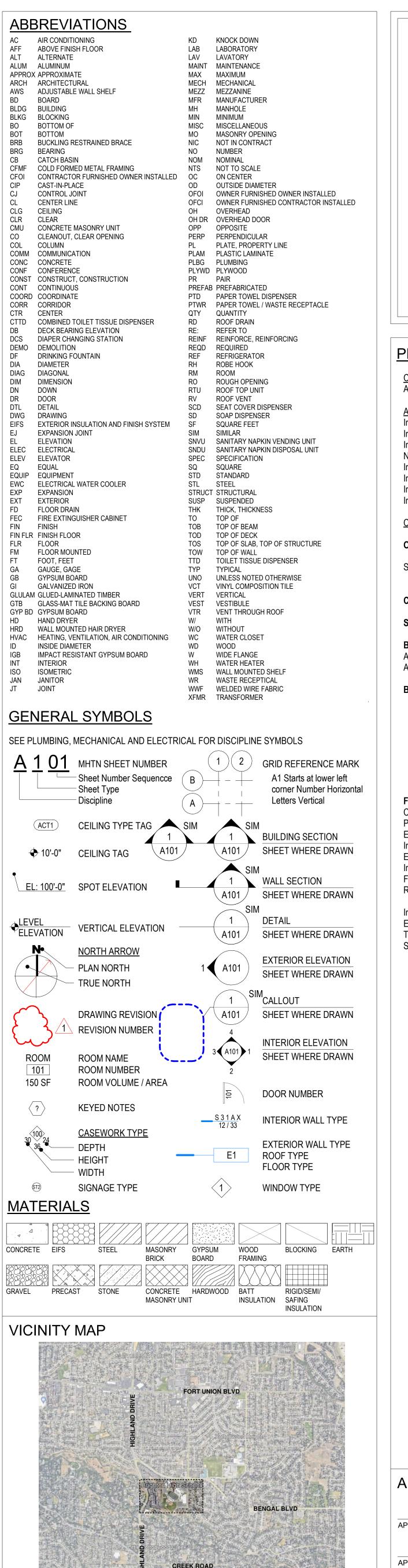
<u>ELECTRICAL</u>

BNA CONSULTING 635 SOUTH STATE STREET SALT LAKE CITY, UTAH 84111 Phone: 801.532.2196 Fax: 801.532.2305









PROJECT DATA

CIVIL RIGHTS ADA Standards for Accessible Design, 2010

APPLICABLE CODES International Building Code, including Appendix J (IBC), 2021 ed. International Mechanical Code (IMC), 2021 ed. International Plumbing Code (IPC), 2021 ed. National Electrical Code (NEC), 2020 ed. International Energy Conservation Code (IECC), 2021 ed., International Existing Building Code (IEBC), 2021 ed., Prescriptive/Work International Fire Code (IFC), 2021 ed. International Fuel Gas Code (IFGC), 2021 ed.

<u>CRITERIA</u>

Occupancy Classification

Non-separated

IIB

Yes

1.275 SF

135,001 SF (for reference only)

84.221 SF (for reference only)

61, 495 SF (for reference only)

12, 492 SF (for reference only)

20, 567 SF (for reference only)

313, 776 SF (for reference only)

Separation of Occupancies

Construction Type

Sprinkled

Building Height Allowable Height (Stories/Feet) 3 Stories, 75 ft. Actual Building Height (Stories/Feet) 3 Stories (Plus a Mezzanine Leve

Building Area Scope of Work 1st Floor 2nd Floor 3rd Floor Basement 1 Basement 2 Total

Fire-Resistance Ratings for Building Elements (IBC Table 601) Construction Type: Primary Structural Frame Exterior Bearing Walls Interior Bearing Walls Exterior Non-Bearing Walls Interior Non-Bearing Walls Floor Construction & Associated Secondary Members Roof Construction & Associates Secondary Members

Interior Exit Stairway (IBC Sec. 1023) Exit Access Stairway (IBC Sec. 1019) Two Story Vertical Openings (IBC Sec. 712.1.9) Shafts (IBC Sec. 713.4)

APPROVALS

APPROVERS NAME, TITLE

APPROVERS NAME, TITLE

Canyons School District Brighton High School Teen Center 2220 BENGAL BLVD COTTONWOOD HEIGHTS, UT 84121 **VOLUME NUMBER BID DOCUMENTS** MARCH 1, 2025

	INDEX TO	DRAWING	GS -BID DOCUME	NTS	
1 ed.	G001 INDE> G101 FIRST G200 MOUN	R SHEET SHEET FLOOR LIFE SAF TING HEIGHTS & RIOR WALL TYPES	CLEARANCES		PROJE Building Co codes, the co Act. Dimensions Masonry wall
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zzanine Level), 60 ft from Grade Plane	MP101 FIRST M501 MECH	FLOOR MECHAN FLOOR MECHAN IANICAL SCHEDU IANICAL DETAILS	ICAL PIPING PLANS LES		 Spray Per Section 2 Mast Per Section 2 Appli Deferred Su
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le 601) IIB 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FP601 FIRE I ELECTRICAL E001 ELEC E101 OVER E201 TEEN E301 TEEN E400 ELEC	FLOOR FIRE PRO PROTECTION DET TRICAL SYMBOLS ALL ELECTRICAL CENTER LIGHTIN	S AND NOTES PLAN IG FLOOR PLAN RICAL FLOOR PLAN S		drawing note descriptions, Symbols: W in the quantit similar produ type, utilities Details: Terr details. All de specifications items that ma
1-hr		TRICAL DEMOLITI			may be omitt Masonry: Bullnose Cor Interior Maso from view by ceilings and I other colors p
	CONSULT	ANTS			
	ARCHITEC MHTN ARCHITECTS 280 SOUTH 400 WE SUITE 250 SALT LAKE CITY, U PHONE: (801) 595-6	S, INC. ST TAH 84111	MECHANICAL OLSEN & PETERSEN 14 E 2700 S SALT LAKE CITY, UT 84115 PHONE: 801.486.4646	ELECTRICAL BNA CONSULTING 4225 LAKE PARK BLVD, WEST VALLEY CITY, UT PHONE: 801.532.2196	
DATE:					
DATE:					
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DATE:

JECT GENERAL NOTES

Codes: Comply with requirements of the adopted editions of the international code council codes and standards referenced within the ICC codes and the Americans with Disabilities

ns: Metal stud walls are dimensioned to face of metal stud, unless noted otherwise. alls are dimensioned to face of masonry.

spections: An Owner-provided, AHJ approved Independent Agency will provide Special s of the following Architectural Components:

ec 1705.12.5 (in Seismic Design Category D, E, or F ection and Fastening of:

Exterior Cladding Interior Nonbearing Walls

Exterior Nonbearing Walls Interior Veneer

Exterior Veneer

chorage of Raised Access Floors n 1705.12.7 (in Seismic Design Category D, E, or F)

brage Racks 8 Feet or Higher n 1705.14:

rayed Fire-resistant Materials n 1705.15:

astic and Intumescent Fire-Resistant Coatings applied to structural elements and decks n 1705.16:

plication of Exterior Insulation and Finish Systems (EIFS)

Submittals: tomatic Fire Sprinkler System

e Alarm

erior Demountable Partition System ismic Restraints for Equipment (Mechanical, Plumbing, Electrical) ards and Handrails

tions: Refer to the specifications for descriptions of products, materials and systems. The E SPECS," "RE: SPECS" or similar references to the specifications have been omitted from otes, but the requirement is still the same, to refer to the technical specifications for ns, installation requirements and other requirements as described therein.

Where symbols and legends are used to indicate a product or system, provide those items ntity indicated by the symbol. Where plumbing fixtures, equipment, light fixtures and other ducts are shown on Architectural drawings, refer to the appropriate discipline drawings for es and other requirements.

erms such as "see specs," "re: mechanical" and so forth have been omitted from these details require the general contractor and sub-contractors to refer to other drawings and ons as required to understand and provide the items indicated and to provide supporting may or may not be shown.

uous nature of the materials shown in the details is inferred, though the word "continuous" nitted from the detail notes.

Corners: Provide bullnose corners on outside corners. Typical at all interior masonry walls. sonry Hidden from View: Provide masonry units of same quality and color where hidden by objects that can change (e.g. cabinets, tackboards, whiteboards, etc.). Masonry above id hidden from view may, with the Architect's approval incorporate factory seconds and/or s provided structural integrity of the walls is not compromised.

PROJECT GENERAL REMODEL NOTES

Verify in Field (VIF): Field verify all dimensions and conditions at the site before submitting a bid or proceeding with any portion of the work.

Cut and Patch: Cut and patch existing building construction as required. Cutting and drilling of structural members not detailed requires the written permission of the structural engineer.

Conflicts: Whenever questions arise or conditions are encountered which are not covered by, or are in conflict with, the contract documents, consult with the Architect prior to taking any further action.

Demolish, Remove: Terms are used interchangeably to indicate detaching or tearing down items from existing construction and legally disposing of them off-site unless indicted to be removed and salvaged or removed and reinstalled

Existing to Remain: Existing items of the building that are not to be permanently removed and that are not otherwise indicated to be demolished, removed, removed and salvaged or removed and reinstalled.

Equipment Relocation: Relocate existing mechanical and electrical as required for installation of new work.

Material Disposal: Legally dispose of all demolished or removed existing material, unless noted otherwise.

Salvage Material: Coordinate with the owner for removal of existing material noted to be returned to the owner. Removal shall be by the owner unless noted otherwise Phasing: coordinate phasing of the work with the Owner and the Architect to meet the owner's schedule.

Protection & Cleaning: Contain all construction activity within construction barricades or fences. Protect owner's existing facilities and property adjacent to new construction. During and after work of this contract is complete, clean existing areas affected by the work to the owner's satisfaction.

Protect all existing conditions that remain during demolition work. Repair any damage due to new work.

Repair & Replacement: Repair or replace existing facilities or property damaged by new construction. Match existing surface finish or material.

Patch & Repair: Patch and repair existing walls, floors, ceilings, landscaping, paving or other surfaces affected by demolition to match the existing material and finish.

Core Drilling Walls and Slabs:

Use ground penetrating radar or other approved method to scan concrete over metal deck, concrete suspended slabs, masonry walls, and concrete walls to locate rebar prior to core drilling any holes. Holes shall be located to avoid rebar detected. All openings and groups of openings shall be reinforced as shown on the structural drawings. Submit openings not shown on the structural drawings to the Structural Engineer for review prior to drilling.

PROJECT GENERAL TI NOTES

Attachment to Steel Deck:

Do not use steel deck that doesn't have concrete fill to support loads from plumbing, fire sprinklers HVAC ducts, light fixtures, architectural elements or equipment of any kind, unless specifically noted otherwise. Lightweight acoustical ceilings with a total weight per wire not exceeding 50 pounds may be hung from the steel roof deck. Stagger hangers to distribute the load over multiple deck flutes.

Steel deck with concrete fill may be used to support loads of up to 500 pounds from plumbing, fire sprinklers, HVAC ducts, light fixtures, architectural elements and miscellaneous equipment. Distribute loads such that the average load does not exceed 50 lbs/sq.ft. and not more than 500 pounds is located on any single deck flute span between support beams. Attachments to steel deck with concrete fill shall engage the concrete, and shall be approved for use in cracked concrete.

Attachment to Open Web Steel Joists and Girders:

All concentrated loads greater than 100 pounds and not meeting the requirements of the paragraph below shall be located within 6 inches of the joist or girder panel points or the joist or girder shall be reinforced with an additional web member. Refer to the general structural notes and the "typical detail at additional concentrated point load" on the structural drawings.

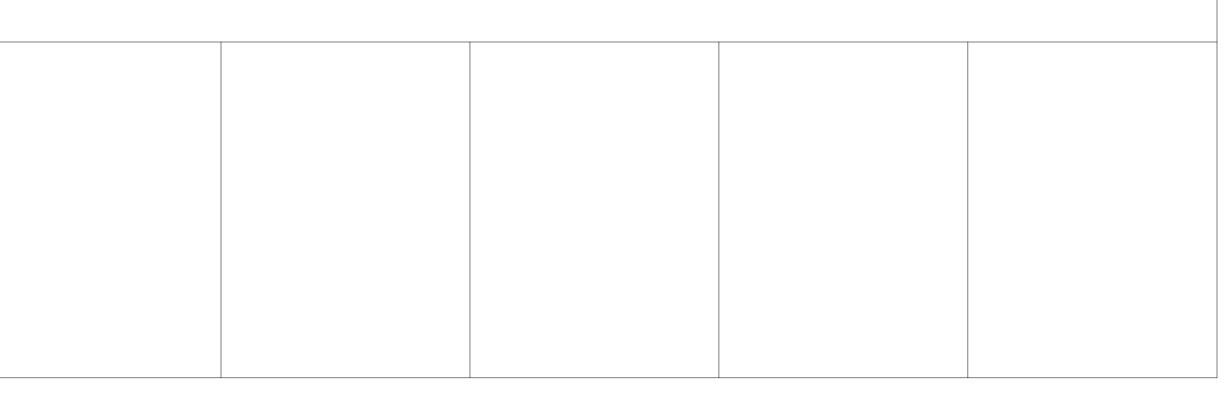
Concentrated point loads, single or multiple, totaling 100 pounds or less between panel points can be located at any point along the top or bottom chord of a joist or girder between adjacent panel points without meeting the requirements of the paragraph above, provided the loads are applied to the joist such that both angles of the bottom chord are equally loaded (i.e. no single beam clamps).

Joist bridging shall not be used to support hanging loads.

Bracing of miscellaneous items including mechanical, plumbing, conduit, architectural elements, etc. shall connect to the top chord of the joist or girder unless noted otherwise on the structural drawings.

Attachment to Steel Beams:

Bracing for seismic loads shall attach within 4" of the top flange of the beam, unless noted otherwise.



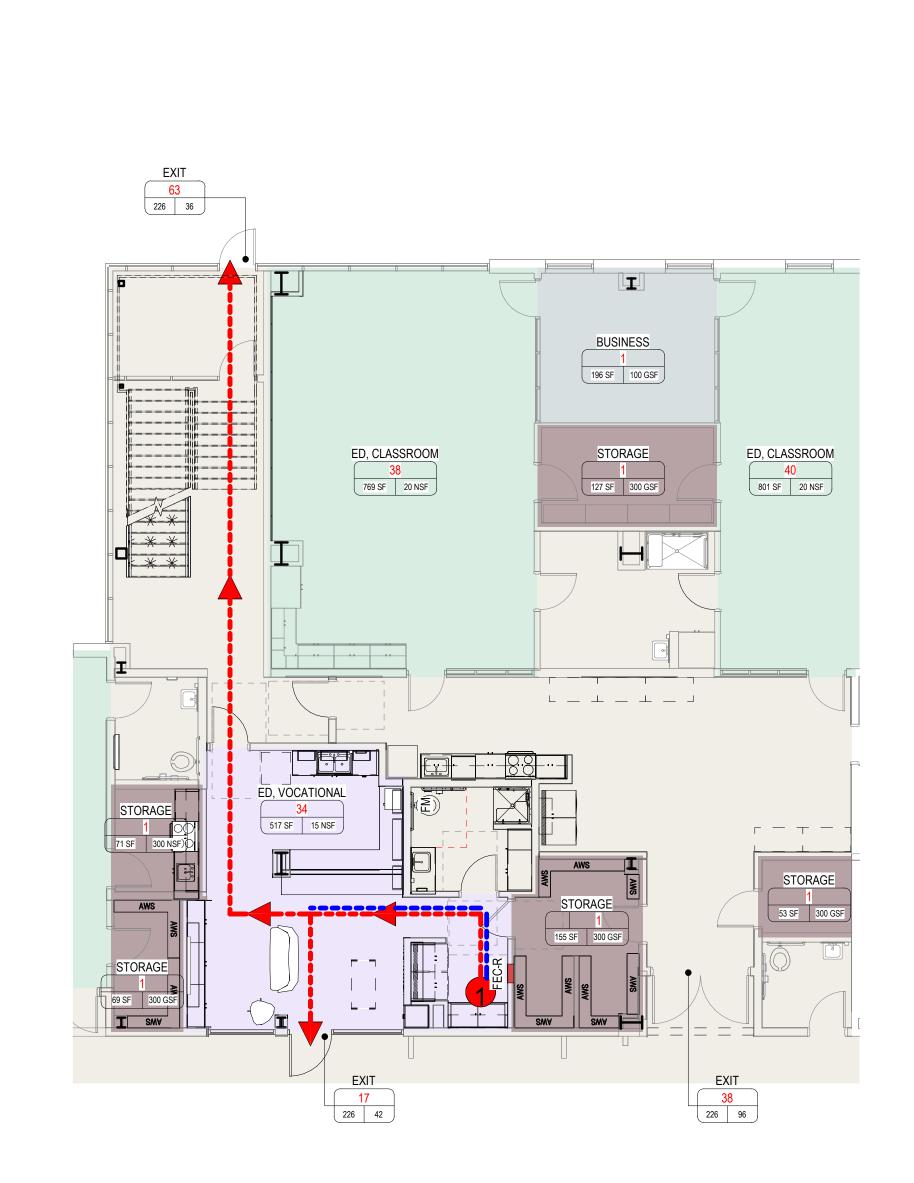




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CONSULTANTS, INC. Address Suite 100 City, State 12345 Telephone (123) 456-7890 www.consultant.com





E1 FIRST FLOOR LIFE SAFETY PLAN SCALE: 1/8" = 1'-0"

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Α

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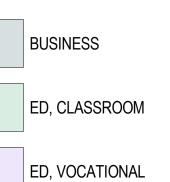
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AREA FUNCTION (IBC TABLE 1004.1.2)

3



FACILITIES/CIRCULATION

STORAGE

LIFE SAFETY PLAN GENERAL NOTES

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

RE: G500 for Interior Wall Types which indicate ratings, reference termination details, and require rated wall identification.

5

RE: A600 for the Door Schedule and door ratings.

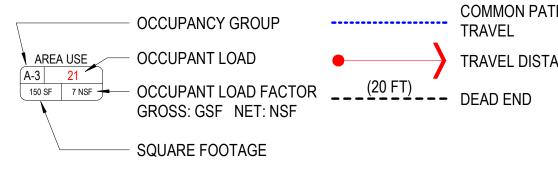
RE: A620 for Window Types and window ratings.

Include one of the following two statements:

Exit Width Capacity: Exit width capacities are based on 0.3" per occupant at stairways and 0.2" per occupant at other means of egress components.

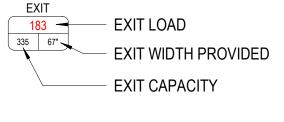
Exit Width Capacity: This project includes an automatic sprinkler system and an emergency voice/alarm communications sytem. Exit width capacities are based on 0.2" per occupant at stairways and 0.15" per occupant at other means of egress components.

LEGEND - LIFE SAFETY



- SQUARE FOOTAGE

COMMON PATH OF EGRESS TRAVEL TRAVEL DISTANCE



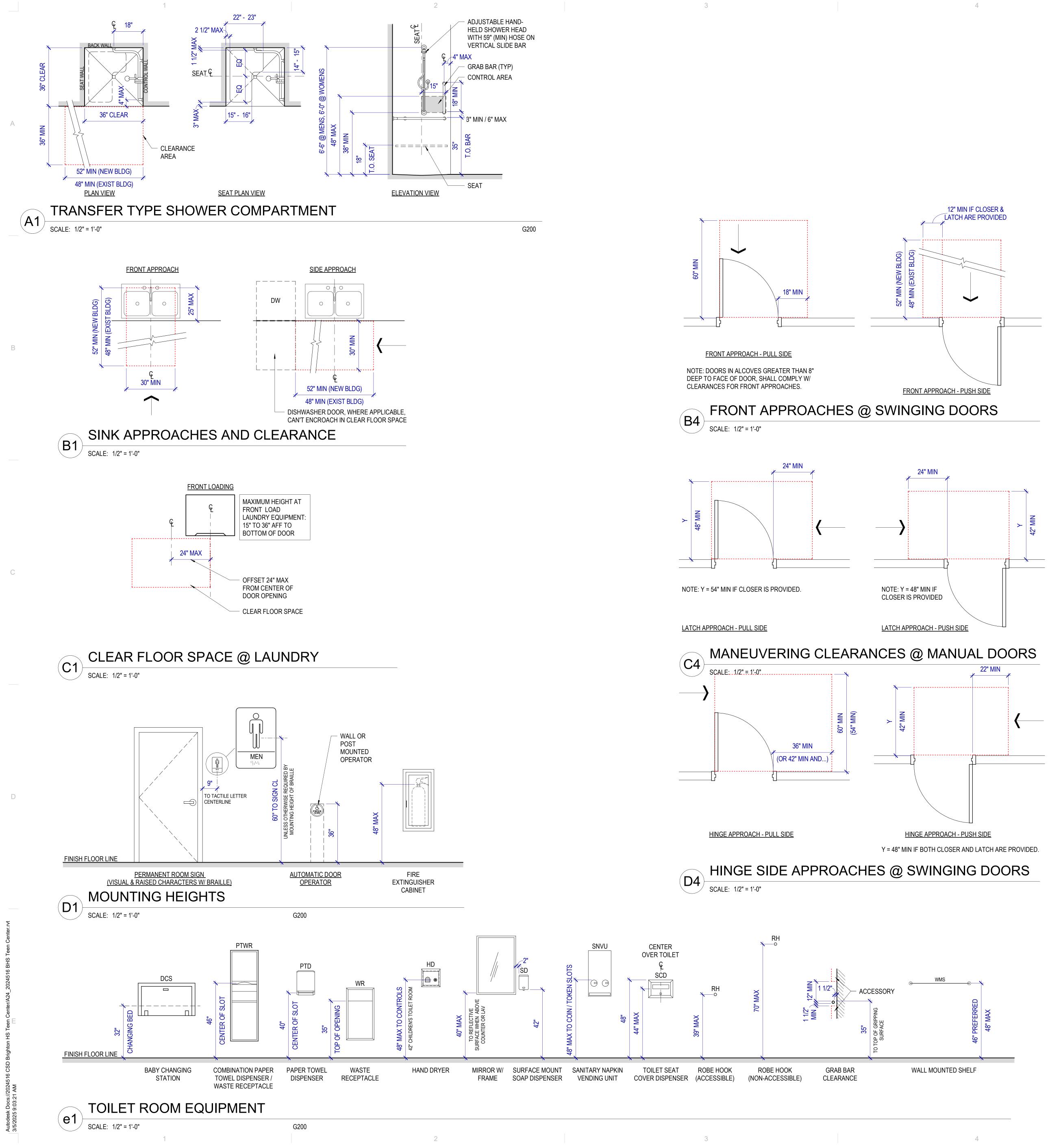
TDAVEL DIGTANOE

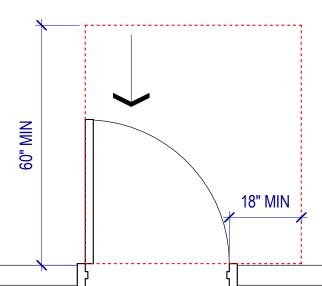
TRAVEL DI	STANC	<u>)</u>							
EXIT ACCESS TRAVEL DISTANCE PER TABLE 1017.2, WITHOUT SPRINKLERS:									
OCCUPANCY		MAX. TRAVEL DISTANCE							
BUSINESS AREAS	(B)	200'							
ASSEMBLY: NO FIXED STG	(A)	200'							
STORAGE	(S-1)	300'							
EDUCATION	(E) of t f	200'							
	OF TF /EL DISTA	RAVEL							
COMMON PATH	OF TF /EL DISTA	RAVEL							
COMMON PATH OF TRAV COMMON PATH OF TRAV TABLE 1006.2.1, WITHOU	OF TF /EL DISTA	RAVEL NCE PER (LERS: MAX. TRAVEL							
COMMON PATH OF TRAV COMMON PATH OF TRAV TABLE 1006.2.1, WITHOU	I OF TF /EL DISTA T SPRINK (B)	RAVEL NCE PER (LERS: MAX. TRAVEL DISTANCE							
COMMON PATH OF TRAV COMMON PATH OF TRAV TABLE 1006.2.1, WITHOU OCCUPANCY BUSINESS AREAS	I OF TF /EL DISTA T SPRINK (B)	RAVEL NCE PER (LERS: MAX. TRAVEL DISTANCE 75'							
COMMON PATH OF TRAV COMMON PATH OF TRAV TABLE 1006.2.1, WITHOU OCCUPANCY BUSINESS AREAS ASSEMBLY: NO FIXED STG	(B)	RAVEL NCE PER (LERS: MAX. TRAVEL DISTANCE 75' 75'							

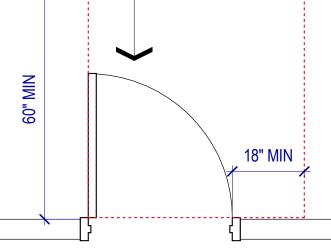
LEVEL 01										
PATH #	COMMON PATH OF TRAVEL	LONGEST PATH OF TRAVEL								
1	20' - 8"	82' - 2"								













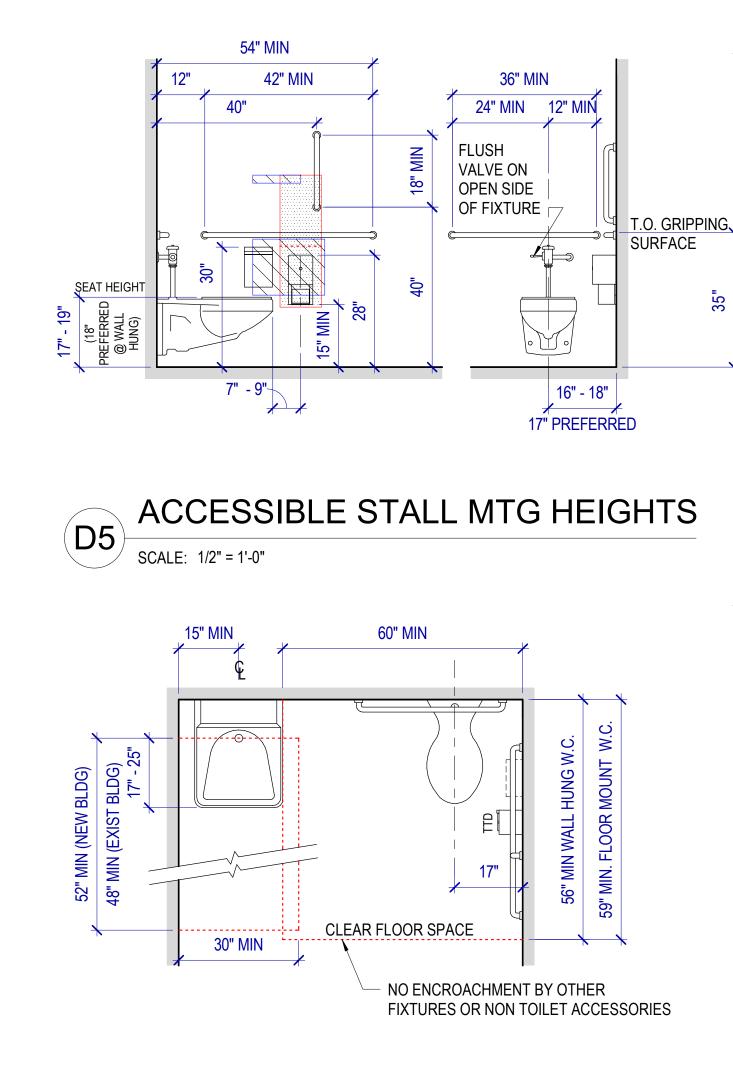
Diagrams on this sheet incorporate the ADA Standard, 2010 edition and ICC/ANSI A117.1, 2009 edition requirements for accessibility. The most restrictive requirement is shown where the two standards differ.

The purpose of this sheet is to provide general clearance, size and mounting height dimensions. If other drawings provide different information, that doesn't violate the accessibility standards, that information shall govern, however, nothing shown herein shall supersede the requirement of the standards listed above, nor of the IBC.

Prior to installation, coordinate toilet and bath accessory mounting heights with manufacturer's recommended heights and adjust as required to comply with ADA & ANSI requirements.

Where the accessibility standards indicate ranges of dimensions, or minimum or maximum dimensions, the dimensions on this sheet have been modified to indicate the preferred or the most restrictive of the dimensions. Where it is impractical to comply with a dimension, the dimension may be adjusted after review with the Architect and, provided the proposed change does not violate the accessibility standards.

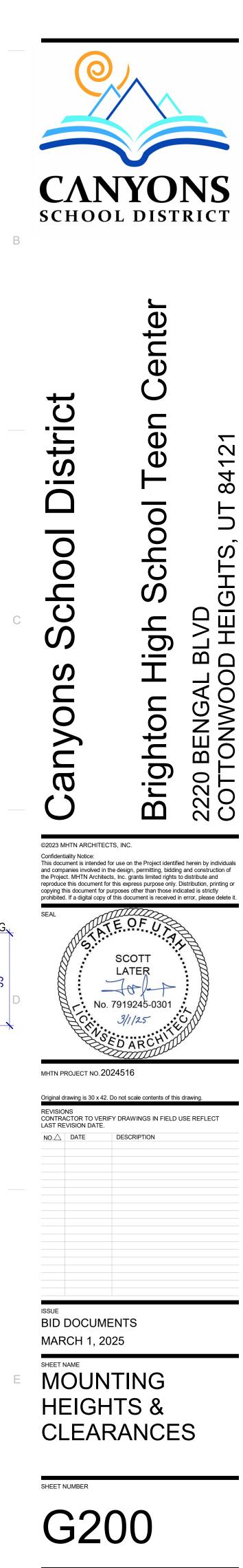
Dimensions shown herein indicate face of wall, floor, ceiling and other building elements.

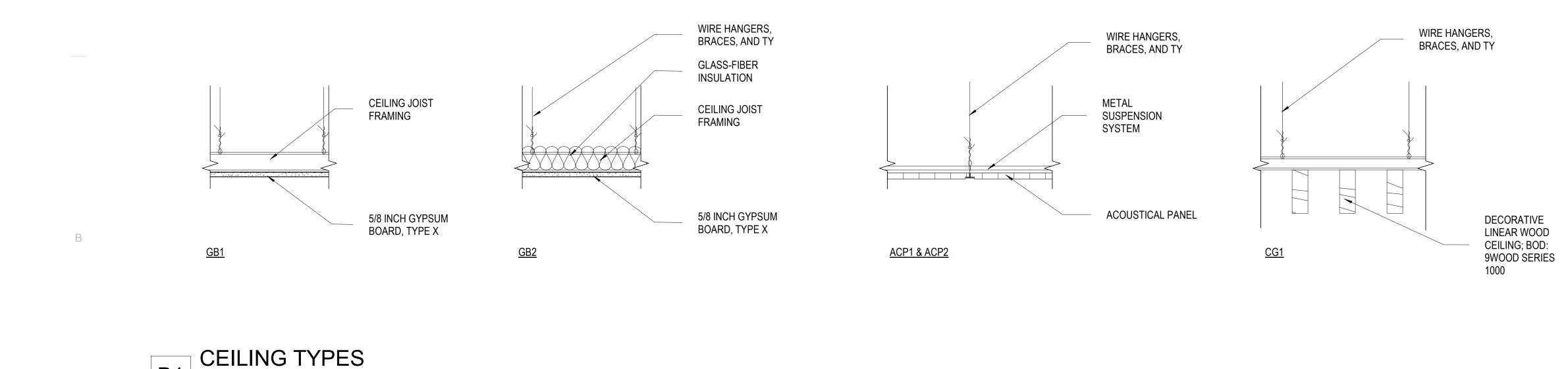


TOILET ROOM PLAN **E5**

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







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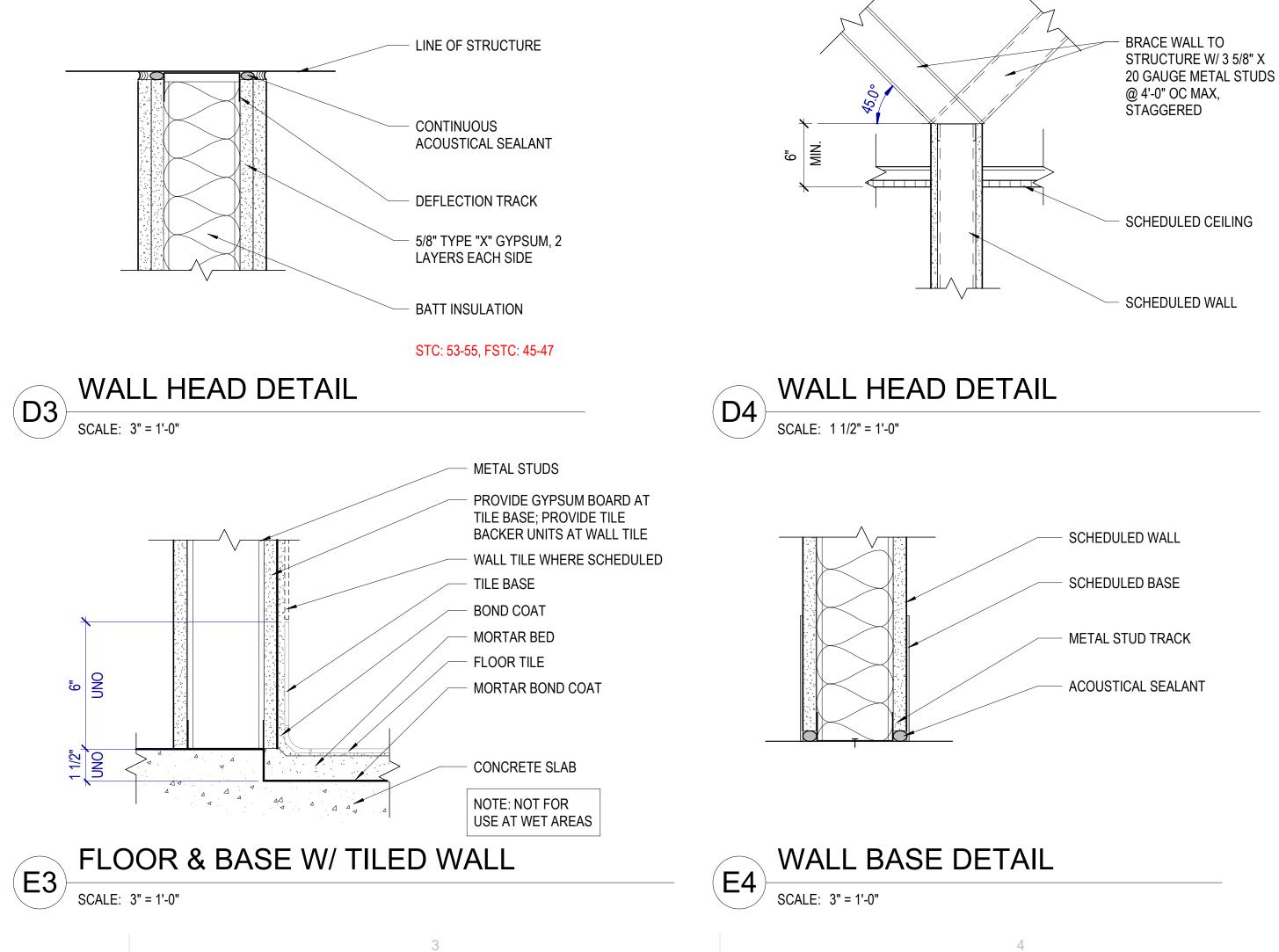
SCALE: 1 1/2" = 1'-0"



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		INT		ALL TYPE S	CHEDULE					
TAG		CONSTRUCT	ION				FIRE RES	SISTANCE	ACOUST	ICAL
MARK	DESCRIPTION	WIDTH	TERMINATION	LIMITING HEIGHT	HEAD DETAIL	BASE DETAIL	FIRE RATING	STANDARD	SOUND BATT	STC
S1X	5/8" GB + 0 7/8" MTL FURRING	1 1/2"	TO DECK	15'-6"					No	
S3A	5/8" GB + 3 5/8" MTL STUD + 5/8" GB	4 7/8"	TO DECK	16'-6"					Yes	40
S3AT	5/8" GYP BD + 6" MTL STUD + 5/8" BACKER BD +TILE	5 7/8"	TO DECK	24'-6"					Yes	41
S3AX	3 5/8" MTL STUD + 5/8" GYP BD	4 1/4"	TO DECK	16'-6"					Yes	40
S3B	5/8" GB + 3 5/8" MTL STUD + 5/8" GB	4 7/8"	TO DECK	16'-6"					No	37
S3BX	5/8" GB + 3 5/8" MTL STUD	4 1/4"	TO DECK	15'-6"					No	
S6A	5/8" GB + 6" MTL STUD + 5/8" GB	7 1/4"	TO DECK	24'-6"					Yes	41
S6AT	TILE + 5/8" BACKER BD + 6" MTL STUD + 5/8" GYP BD	8 1/4"	TO DECK	24'-6"					Yes	41



2

INTERIOR WALL TYPE GENERAL NOTES

RE: G500 for wall termination details which occur at metal deck/structure or at base of wall.

Continuity:

Wall type designations imply that the walls are continuous, typically from corner to corner and until another wall type is indicated. At the intersection of walls of dissimilar sound and/or fire-resistance ratings, the wall with the more restrictive requirements shall continue through, uninterrupted and shall take precedence.

Typical Interior Wall Type: S6A, UNO.

Glass-mat Tile Backing Board: Where stud walls with tile finishes are scheduled, provide glass-mat tile backing board for the full height and width of the tile. Balance of wall to be gypsum board, UNO.

Water-resistant Gypsum Board:

Provide water-resistant gypsum board at walls in wet areas with non-tile finishes.

Acoustical Sealant:

At metal stud walls with an STC rating, provide acoustical sealant at top and bottom tracks.

Sound Attenuation Batts:

Where indicated, provide sound attenuation batts sized to fit snuggly in the wall cavity. Fill all voids in the wall, from floor to deck, including at wall intersections to prevent sound leakage into adjacent rooms.

Metal Stud Partitions:

Extend interior walls and partitions from floor to roof deck or floor deck above, unless noted otherwise. The specifications indicate a minimum metal stud gauge; increase the gauge above the minimum as required by the metal stud manufacturer for actual wall heights, deflection criteria and code required horizontal load.

Design requirements for metal stud walls: 5 PSF lateral load; L/240 deflection. Stud Spacing: 16" on center, unless noted otherwise.

Provide bracing at 48" OC maximum at non-composite walls (walls that don't have gypsum board full height on each side of the stud).

Provide control joints at 30'-0" OC maximum. If not shown, coordinate location with Architect.

Rated Wall Identification:

Provide 3" high block letters (with 3/8" minimum stroke), stencil the fire resistance rating on the wall at 30' maximum intervals, measured horizontally and within 15' of the end of the wall. Provide one (1) label minimum per wall.

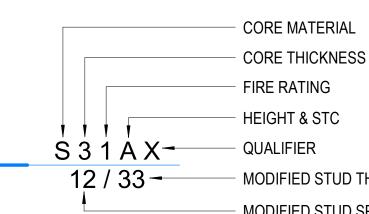
Locate identification in accessible concealed floor areas, if any and in the accessible space between ceiling and structure above.

Wall Schedule Abbreviations

CMU - Concrete Masonry Unit GB - Gypsum Board GTB - Glass-mat Tile Backing Board

IGB - Impact-resistant Gypsum Board

WALL TYPE TAG DESCRIPTION



MODIFIED STUD THICKNESS

MODIFIED STUD SPACING

Core Material: S - Metal Stud

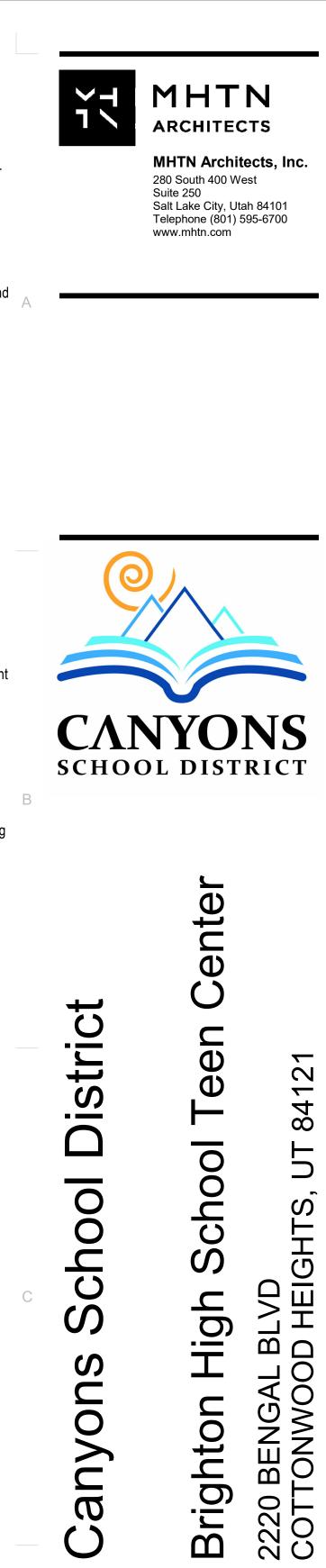
- Core Thickness: Metal Studs:
- Number indicates metal stud thickness, rounded down where applicable
- 0 7/8" 1 - 1 5/8"
- 2 2 1/2"
- 3 3 5/8" 4 - 4"
- 6 6"
- 8 8"

Rating: Number indicates the fire-resistive rating in hours. Unrated walls have no designation.

5

Height and STC:

- A Wall is continuous to the structural deck above and includes sound batt B - Wall is continuous to the structural deck above with no sound batt
- C Wall extends to 6" above the ceiling and includes sound batt
- D Wall extends to 6" above the ceiling with no sound batt E Wall extends to finished ceiling and includes sound batt
- F Wall extends to finished ceiling with no sound batt
- P Wall is partial height {to 5'-0" AFF} {- RE: Floor Plan for top of wall}
- Asymmetric Modifiers:
- X Single side gypsum board T - Glass-mat tile backing board with tile finish



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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

BID DOCUMENTS MARCH 1, 2025



SHEET NUMBER



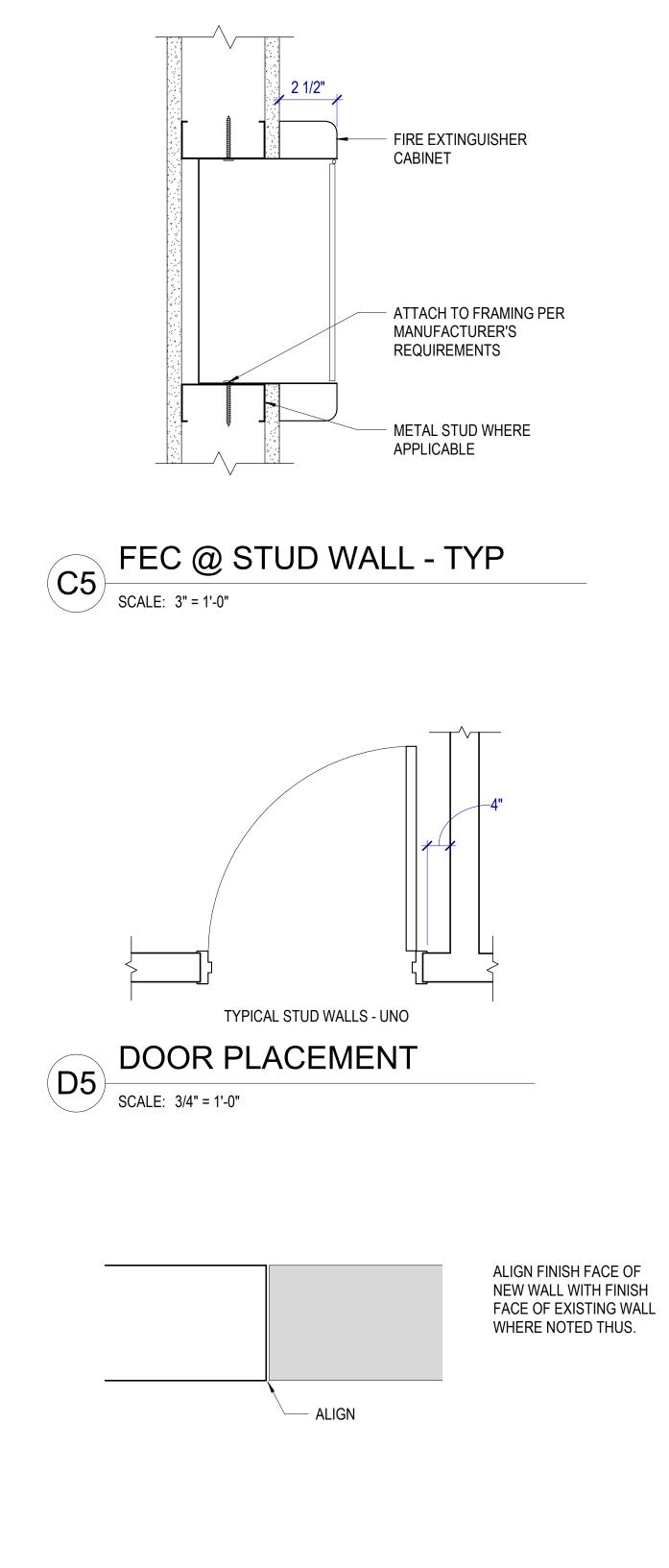
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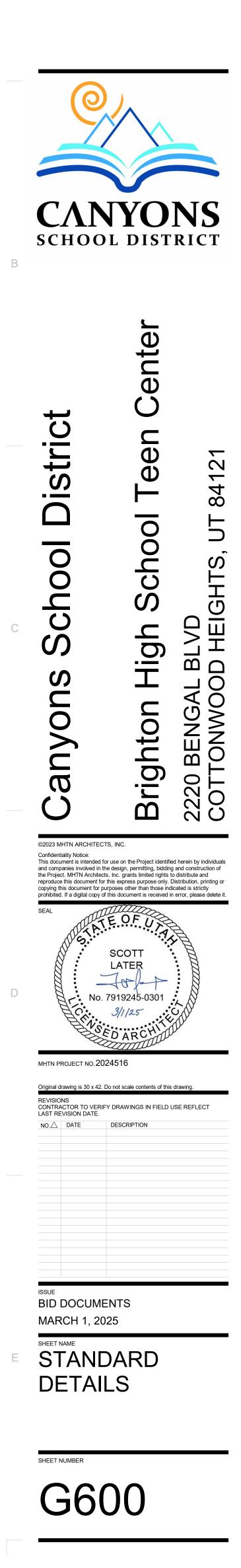
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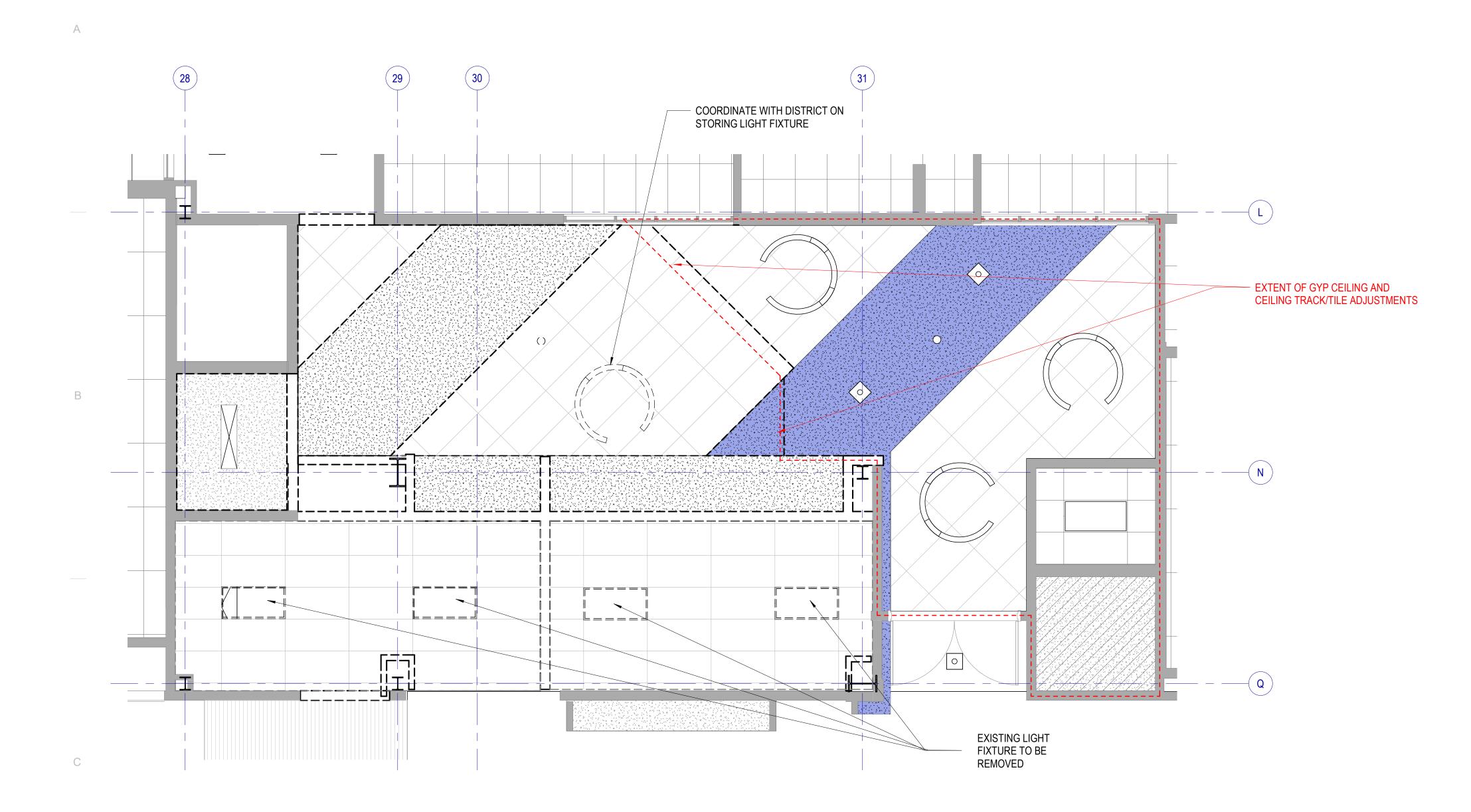


E5 WALL TO WALL ALIGNMENT SCALE: 3" = 1'-0"

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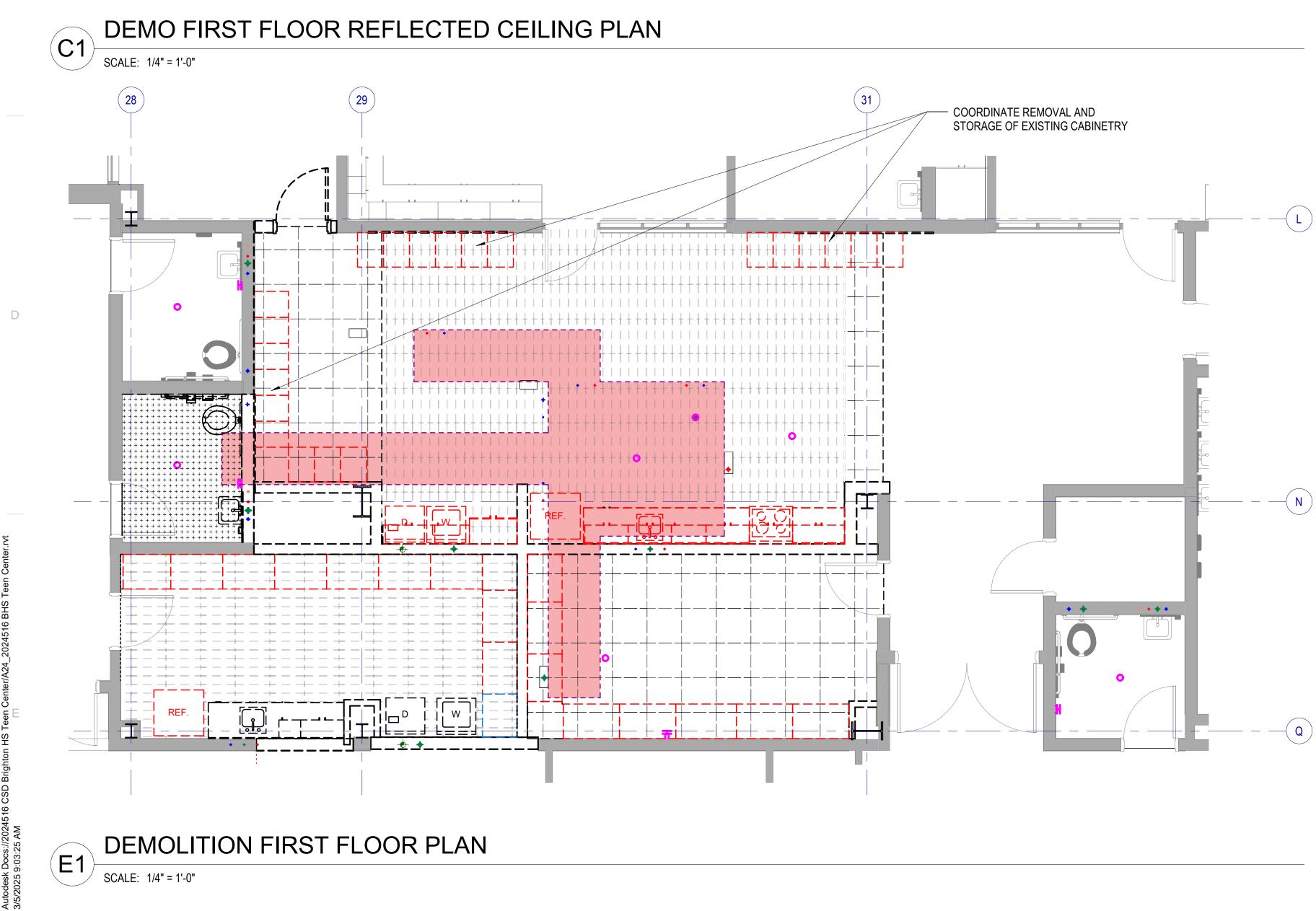






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DEMOLITION GENERAL NOTES

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

3

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

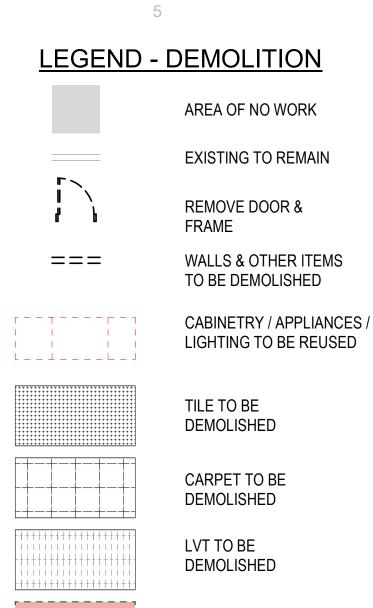
adjacent wall finish. Salvage: Review with the owner, casework, furniture, equipment and wall mounted display surfaces left

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.



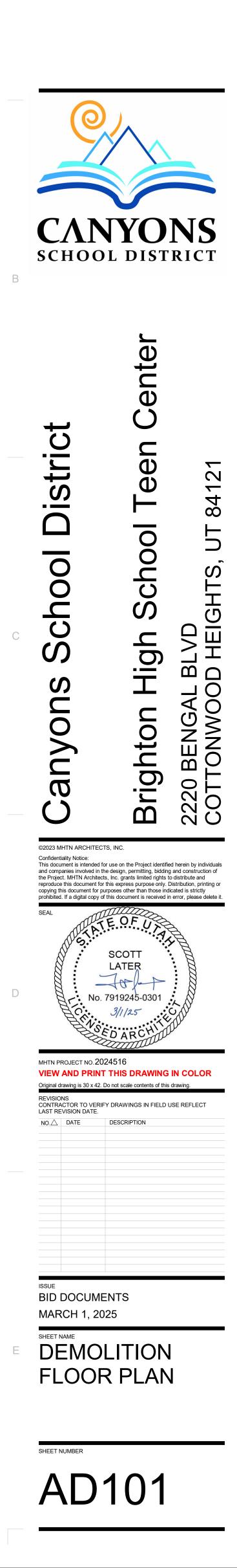
CONCRETE FLOOR TO BE DEMOLISHED

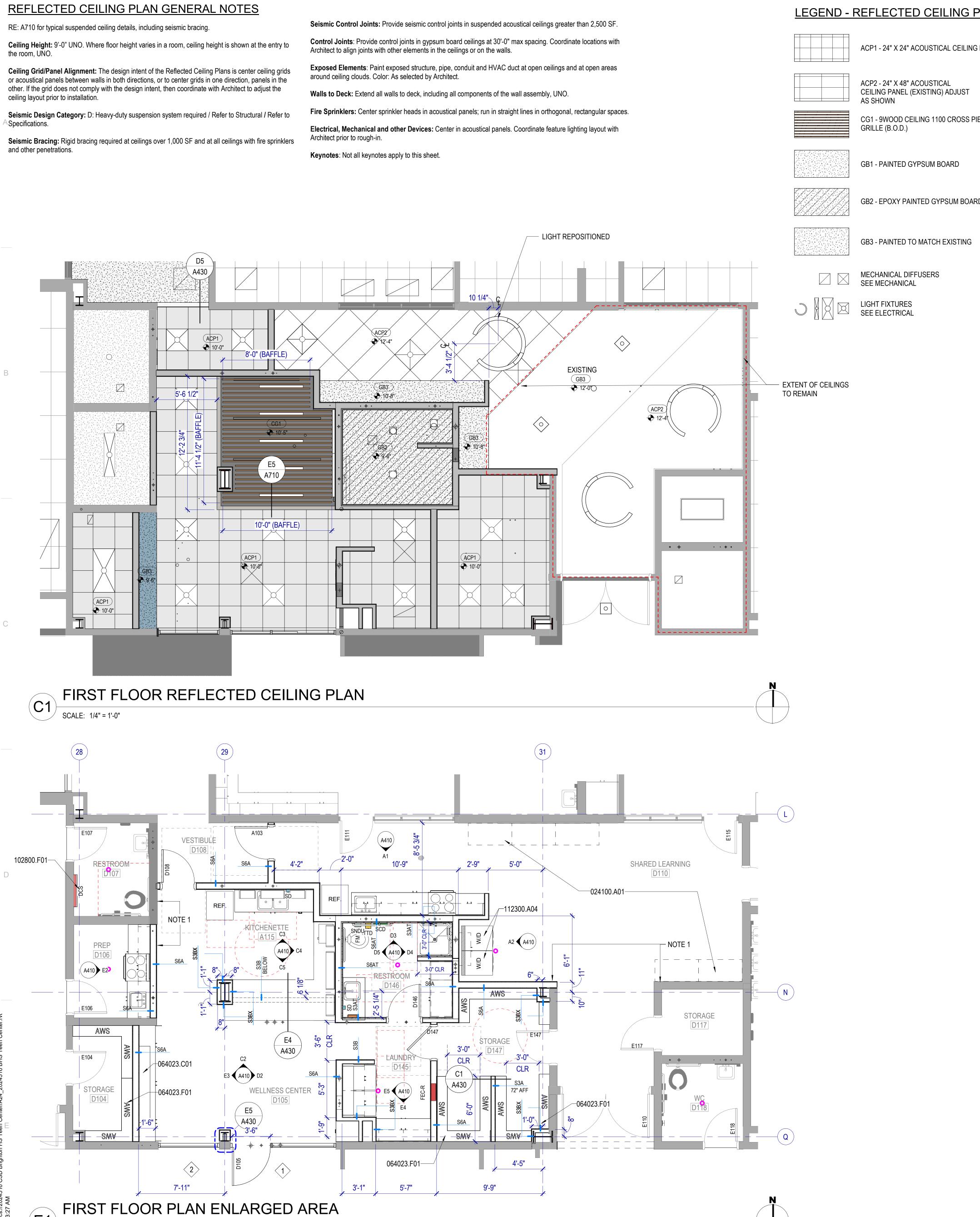
NOTE: WHERE WALLS AND OTHER ITEMS ARE SHOWN WITH DASHED LINES, WHETHER KEYNOTED OR NOT, REMOVE THESE ITEMS TO THE EXTENT INDICATED AND AS REQUIRED BY NEW CONSTRUCTION.

KEYNOTES

265140.A03 EXISTING LIGHT FIXTURE TO BE REMOVED









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IG PLANS	<u>LEG</u>	END - FLOOR PLAN	FLOOR PLAN GENERAL NOTES
	FEC-R	FIRE EXTINGUISHER + CABINET RECESSED	References to sheets below are provided to aid in navigating the drawings.
EILING PANEL	CG آ	STAINLESS STEEL CORNER GUARD	RE: G200 for Fixture Mounting Heights.
	ÊD	FLOOR MOUNTED TOILET	RE: G500 for Interior Wall Types.
JST	Ø	RE: PLUMBING	RE: G600 for typical details.
551		COUNTER MOUNTED SINK RE: PLUMBING	RE: A111 for slab edges, recesses and other transitions.
DSS PIECE		WASHER & DRYER, OFOI	RE: A600 for the Door Schedule.
			RE: A620 drawings for Window Types.
	REF.	REFRIGERATOR, OFOI	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
,		EXISTING, RE-USED	agency certifications.
		STOVE/RANGE	Keynotes: Not all keynotes apply to this sheet.
BOARD	NOTE: PRO	OVIDE ITEMS INDICATED IN THE LEGEND	

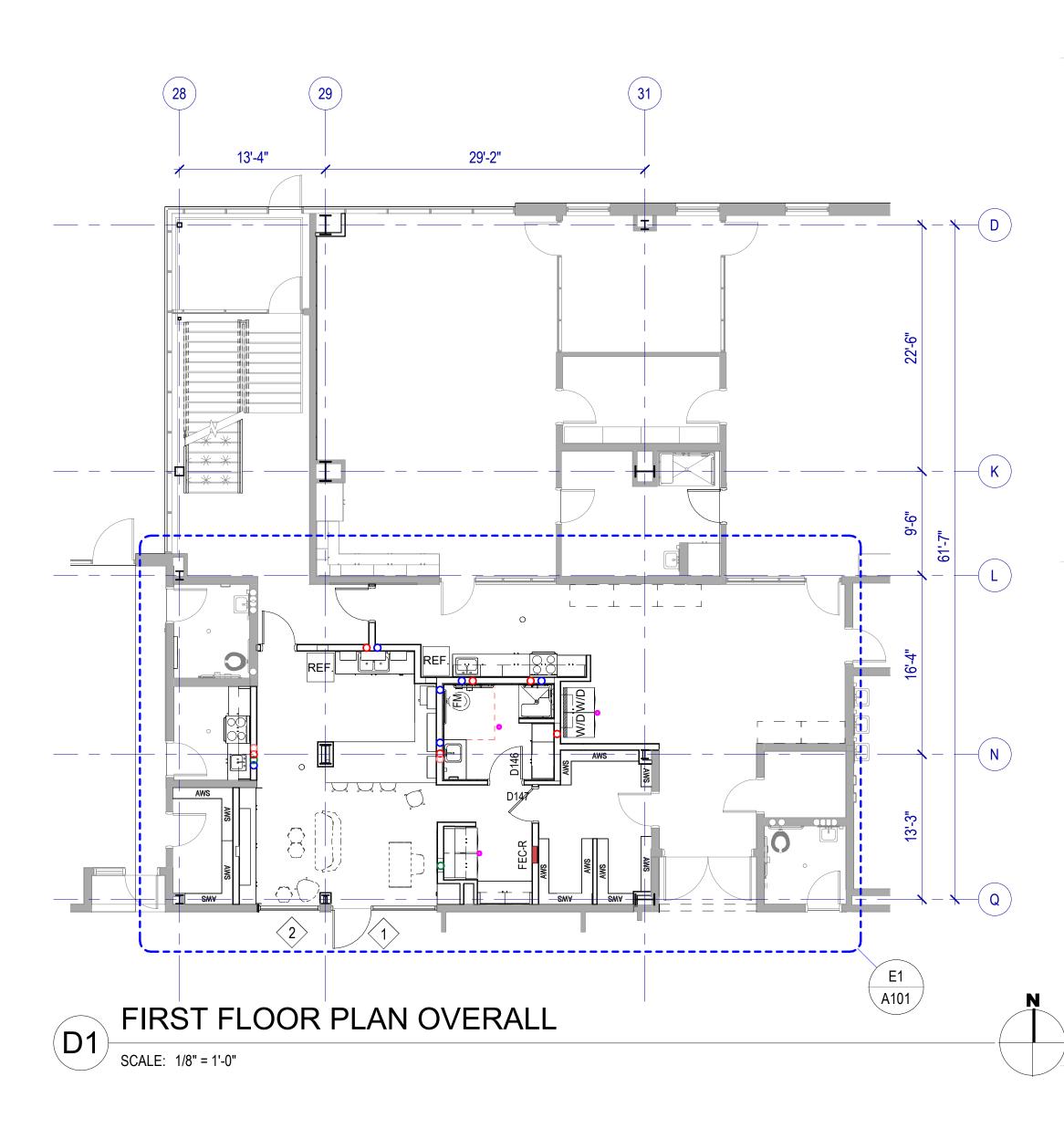
4

IN THE QUANTITIES SHOWN ON THE PLANS AND

ELEVATIONS.

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



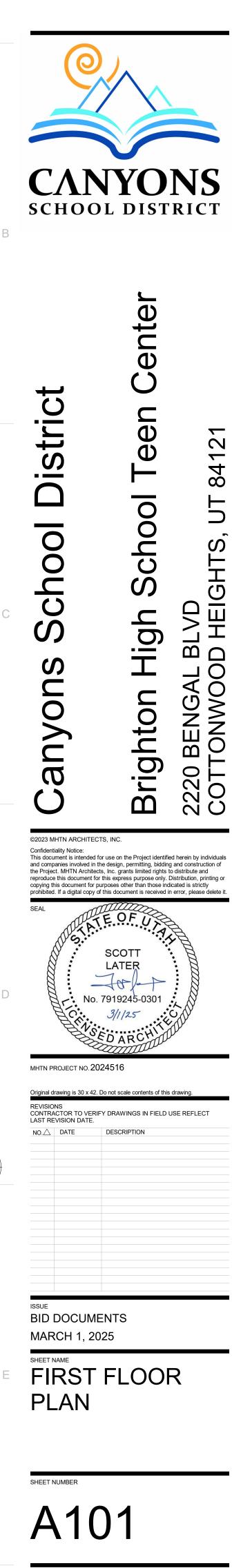


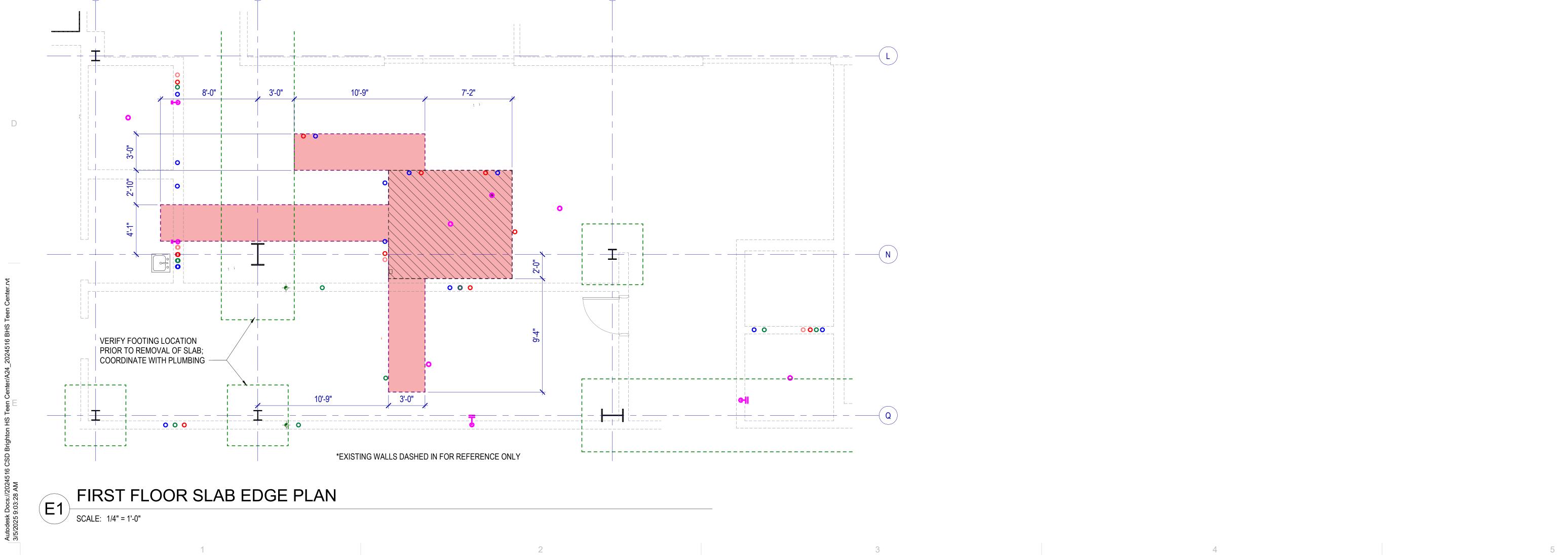
- SCOPE OF WORK



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SLAB EDGE PLAN GENERAL NOTES

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Coordinate with Structural.

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<u>LEGEND - SLAB EDGE</u>

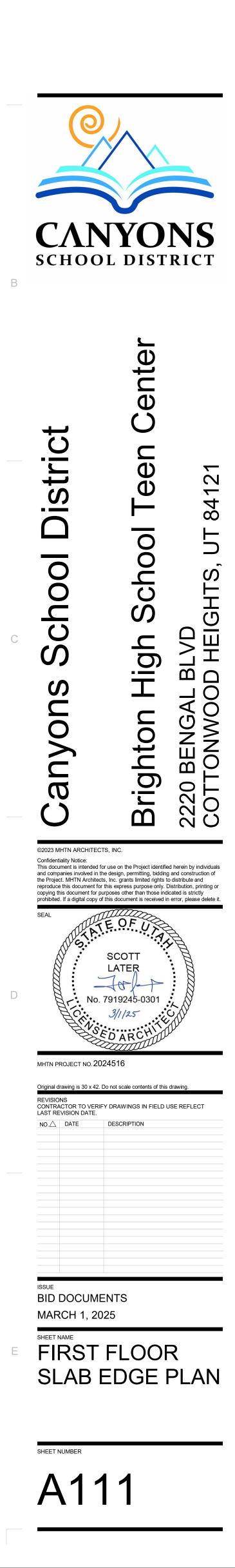
EXISTING WALLS FOR REFERENCE

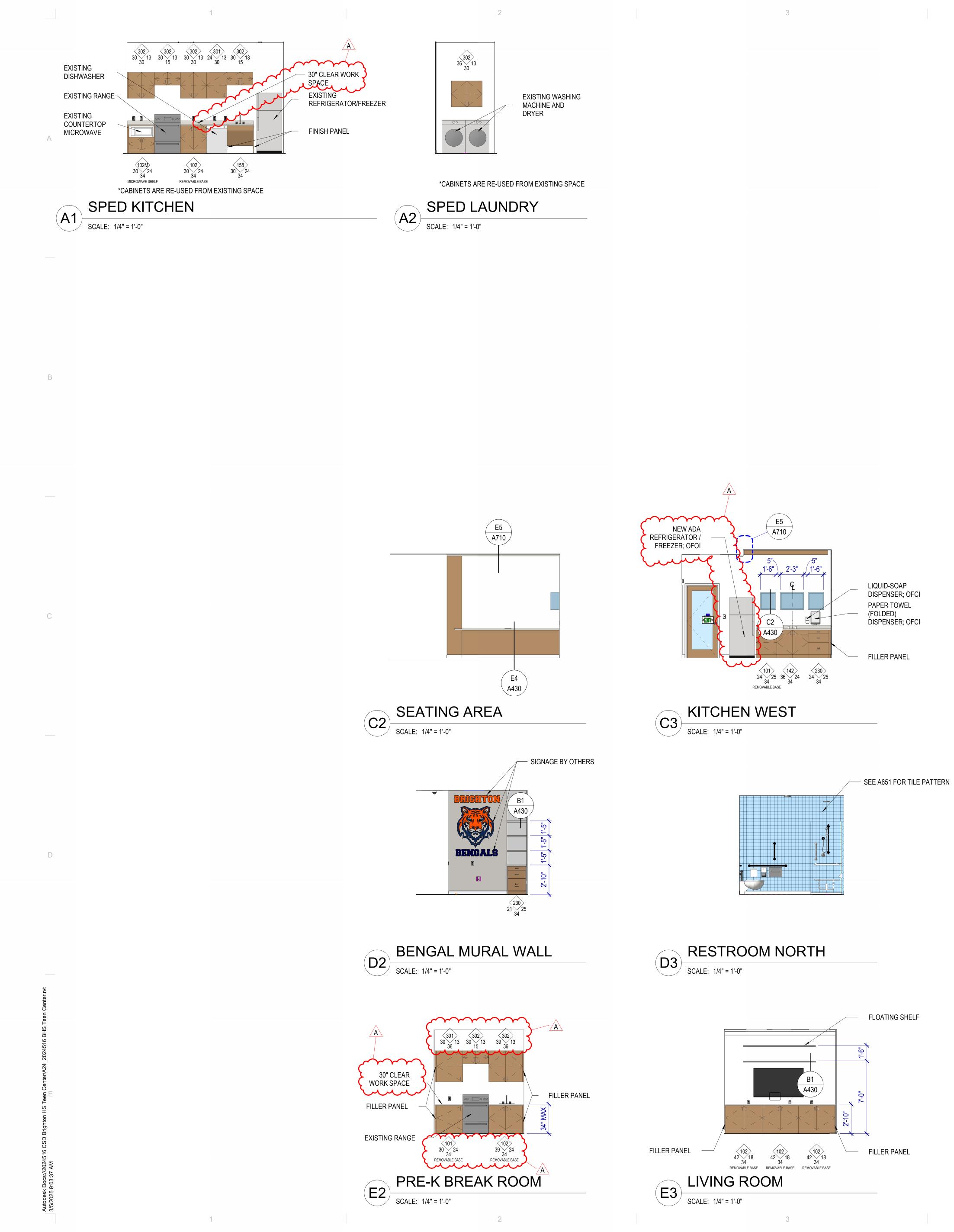
SLAB TO BE REMOVED AND REPLACED FOR UNDERGROUND PLUMBING

2" DEPRESSED SLAB

STRUCTURAL FOOTING LOCATION FOR REFERENCE







⁷D4,

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INTERIOR ELEVATIONS GENERAL NOTES

RE: North American Architectural Woodwork Standards v3.0 (NAAWS), Cabinet Design Series for cabinet types.

RE: G500 for Interior Wall Types.

RE: A640 for the Finish Schedule.

Dimensions shown to walls or casework are to finished face of wall or cabinet, UNO.

Equipment indicated by dashed lines is a general representation and shown for coordination purposes only. Mechanical, electrical, plumbing and telecom rough-in locations are shown for general coordination purposes

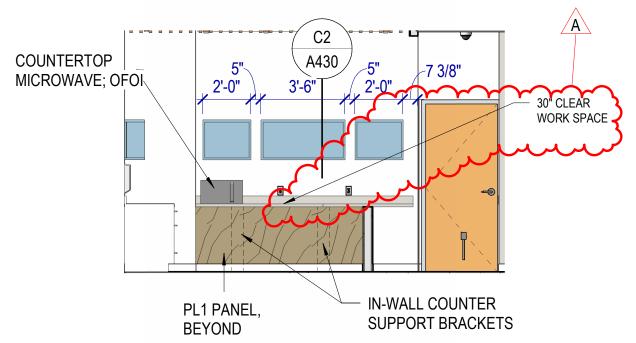
only. Refer to mechanical, electrical, plumbing and telecom drawings. Countertops: 25" deep with 4" high backsplash, UNO. Provide sidesplashes at walls, tall cabinets or similar transitions.

Blocking: Provide blocking in walls at cabinets, wall-mounted accessories, equipment, display boards and similar items.

Finishes: Finishes are required on all exposed and semi-exposed surfaces, UNO. Wall elevations are not shown for walls where the Finish Schedule is deemed adequate to convey the intent.

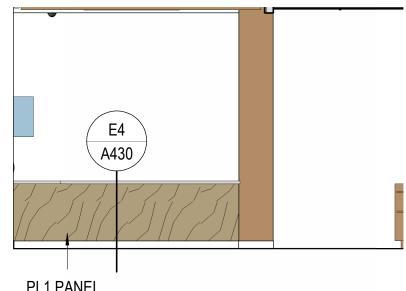
Cabinet Locks: Provide locks on cabinet drawers and doors, keyed alike by room, UNO.

Casework Finishes: Provide laminate finishes on all exposed and semi-exposed surfaces as required by the specifications. Provide laminate finishes on concealed surfaces if required by the specifications. Refer to NAAWS Section 10.4.4 for definitions of exposed, semi-exposed and concealed surfaces.



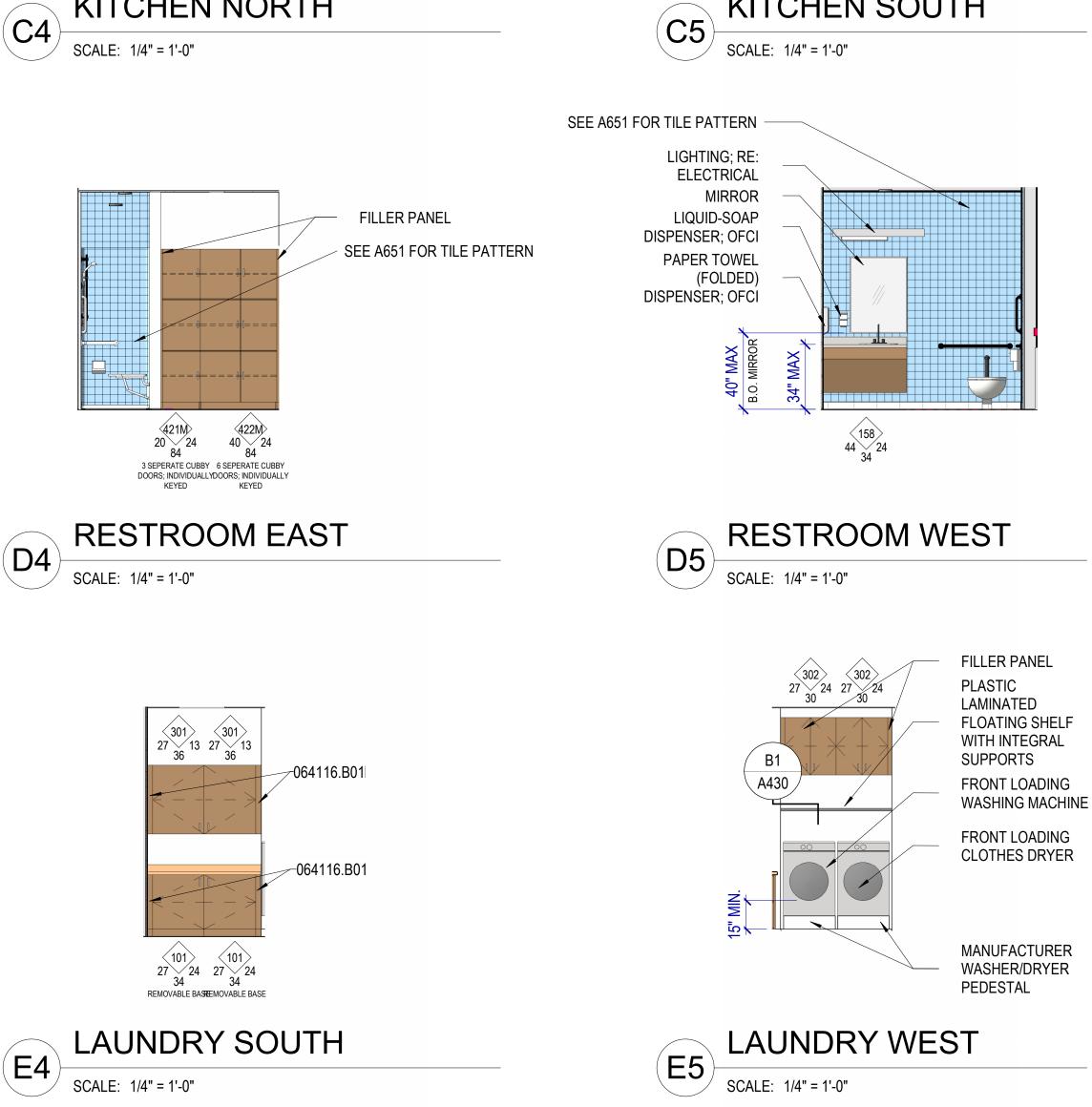
C4 KITCHEN NORTH

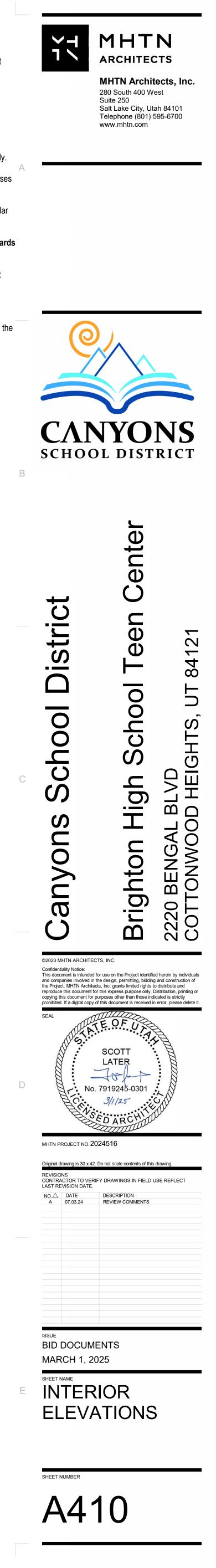
SCALE: 1/4" = 1'-0"

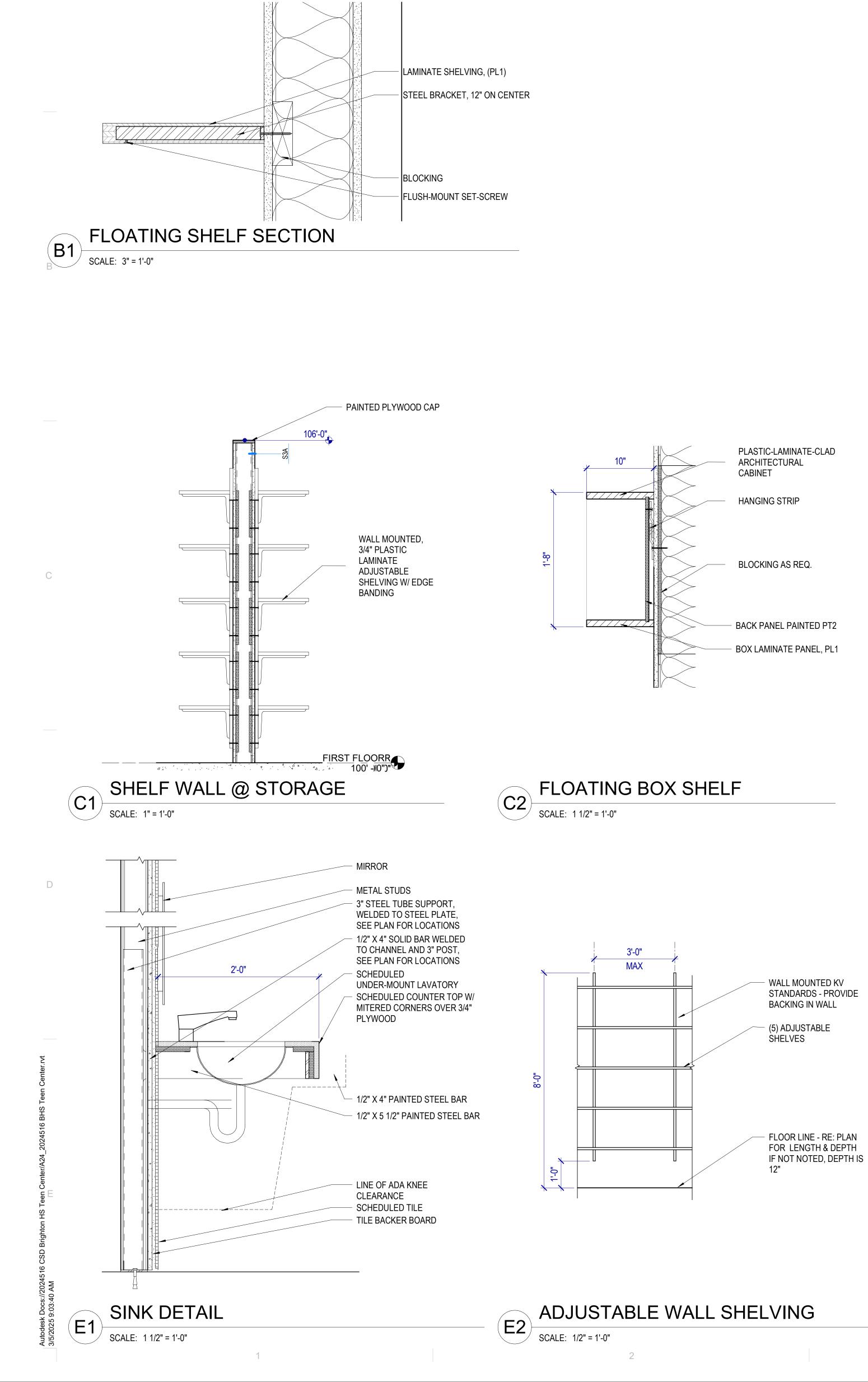


KITCHEN SOUTH

PL1 PANEL, BEYOND







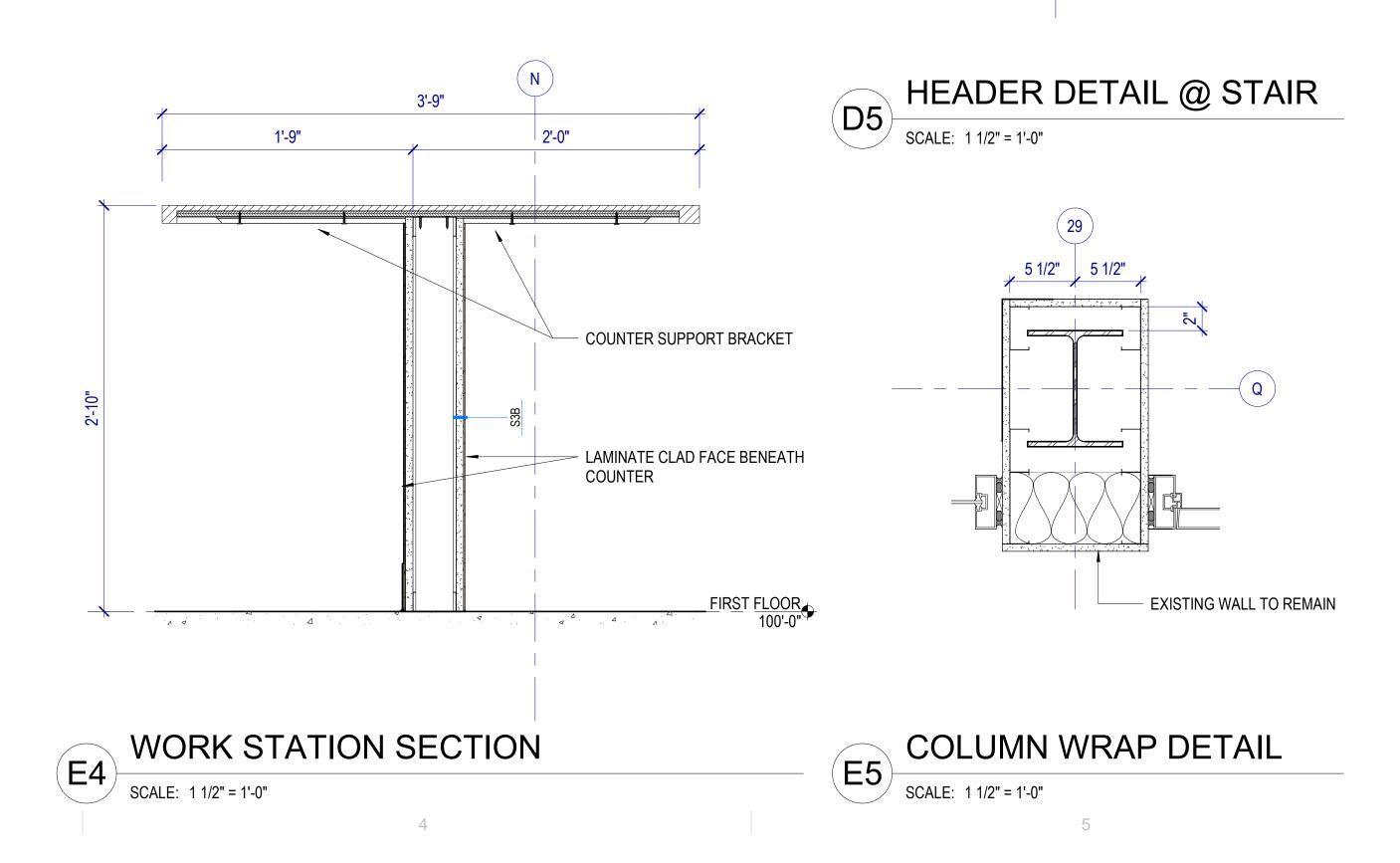
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AXON VIEW OF CONCEALED BRACKET SYSTEM

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CASEWORK GENERAL NOTES

Verify in Field (VIF): Field verify all dimensions and conditions before fabrication.

Upper Cabinet Clearance: 12" minimum clear inside dimension, UNO.

Electrical and Data Coordination: Coordinate electrical and data device locations with millwork.

Locks: Provide locks on cabinet drawers and doors, keyed alike by room, UNO.

Grommets: Locate as directed by Owner after installation.

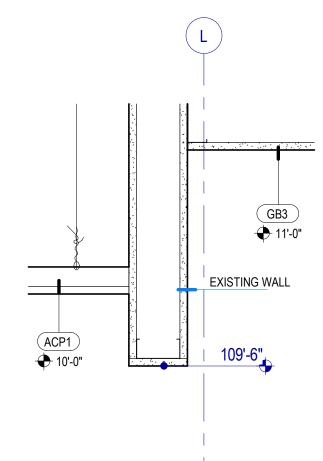
<u>Cabinet Design Series</u>

- Provide cabinets with integral finished ends and scribes at wall to wall installations not exceeding 1-1/2 inches in width.
- Where cabinets meet walls or other cabinets, provide filler panels, of sufficient width, but not exceeding 1-1/2 inches, to allow doors with pulls to swing a minimum of 90 degrees and to prevent drawers from hitting adjacent door or drawer pulls. • Hardware and accessories shall be as provided for in these standards.
- CDS are subdivided as follows:

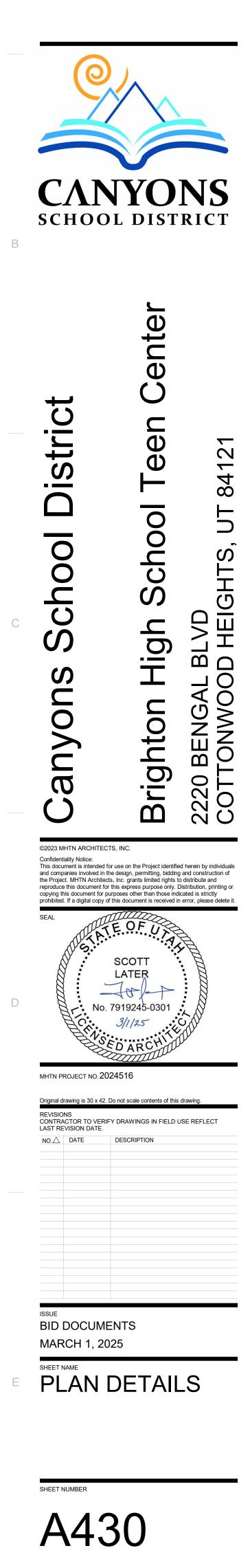
Base Cabinets w/o Drawers	100 Series
Base Cabinets w/ Drawers	200 Series
Vall Hung Cabinets	300 Series
Tall Storage Cabinets	400 Series
Tall Wardrobe Cabinets	500 Series
₋ibrary Cabinets	600 Series
Noveable Cabinets	700 Series

General Notes

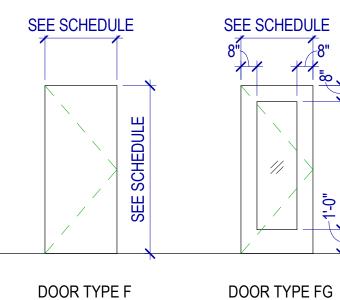
• 100 or 200 Series cabinets may be converted into moveable cabinets by prefixing a "7" to the number. (Example: 7-102-36"x 30"x 18" [7-102-914 mm x 762 mm x 457 mm]). Moveable cabinets shall be equipped with adequate approved casters for the intended • load capacity.



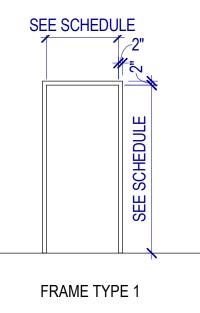




	DOOR AND FRAME SCHEDULE													
			DOOR			FR	AME				(NIN)	F		
DOOR #	ТҮРЕ	WIDTH	HEIGHT	THICKNESS	MATERIAL	ТҮРЕ	MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	FIRE RATING (N	HARDWARE SET	REMARKS	DOOR #
A103	G	3'-0"	7'-0"	1 3/4"	WD	1	HM	E1/A600	D2/2A610	E3/A600			REUSE EXISITNG HARDWARE/ACCESS CONTROL	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

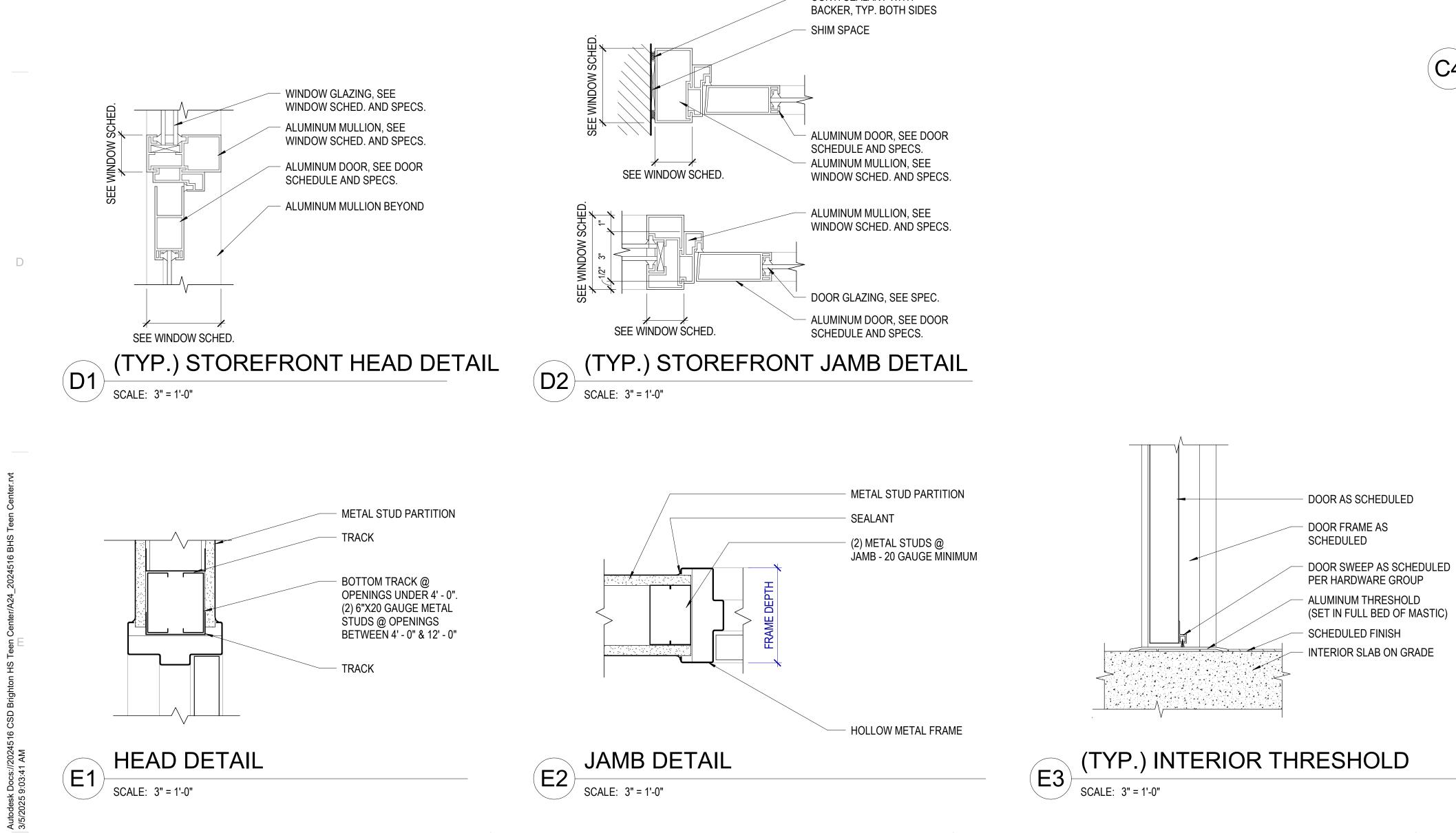


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DOOR SCHEDULE GENERAL NOTES

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.

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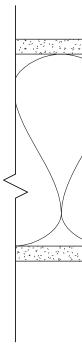
Frame Depth: Coordinate hollow metal frame depth with wall thickness, wrapping stud framed walls. Provide depths as scheduled for masonry walls, UNO.

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 /A\

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- CONT. SEALANT WITH

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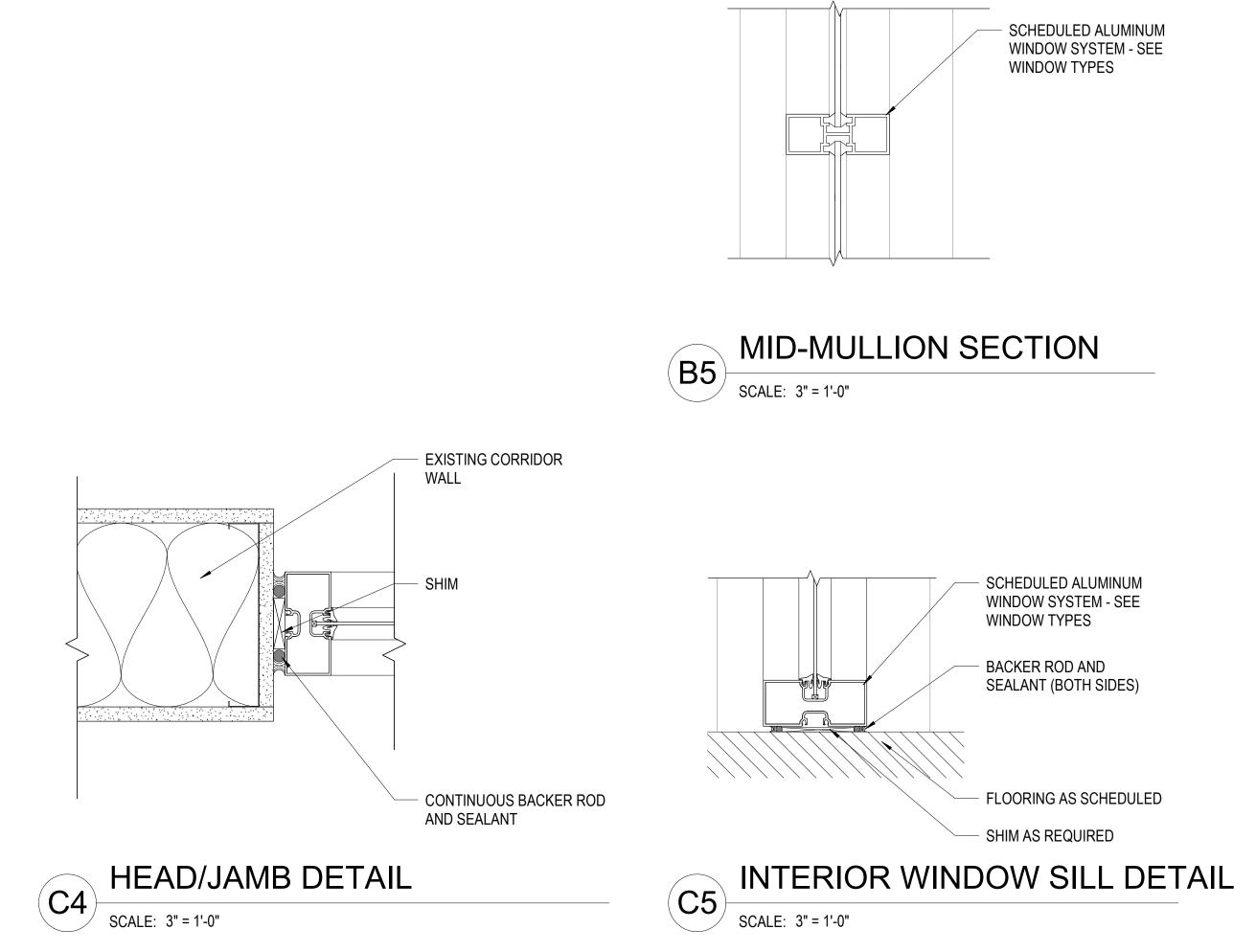
WINDOW TYPES GENERAL NOTES

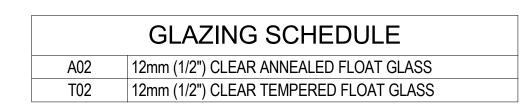
Window Frames: Frames are aluminum storefront, UNO. Finish as specified.

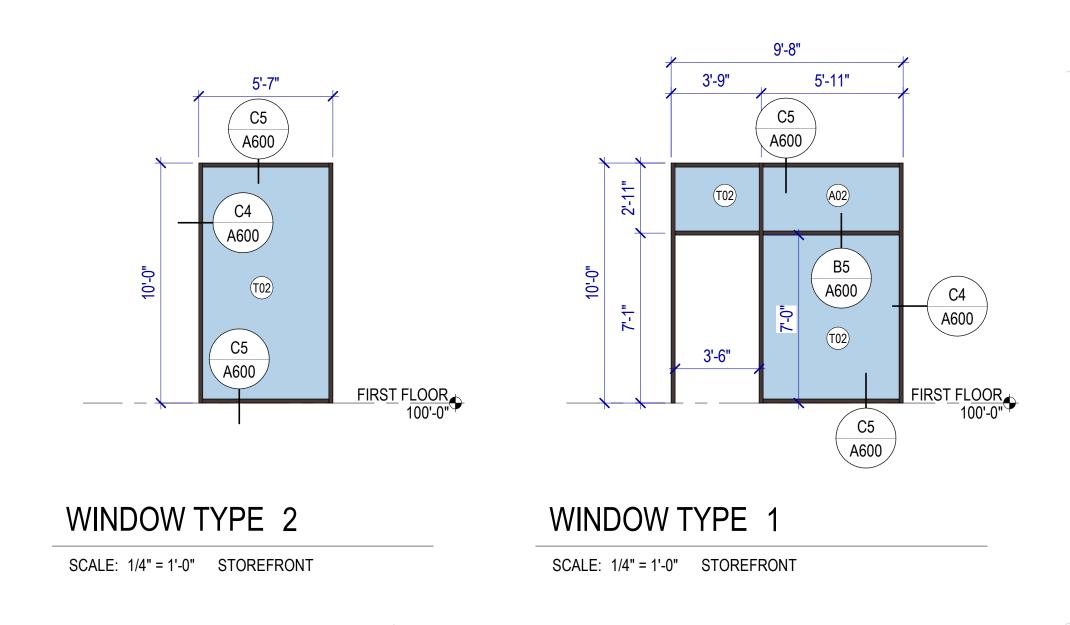
End Dams: Provide end dams at sill flashing.

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



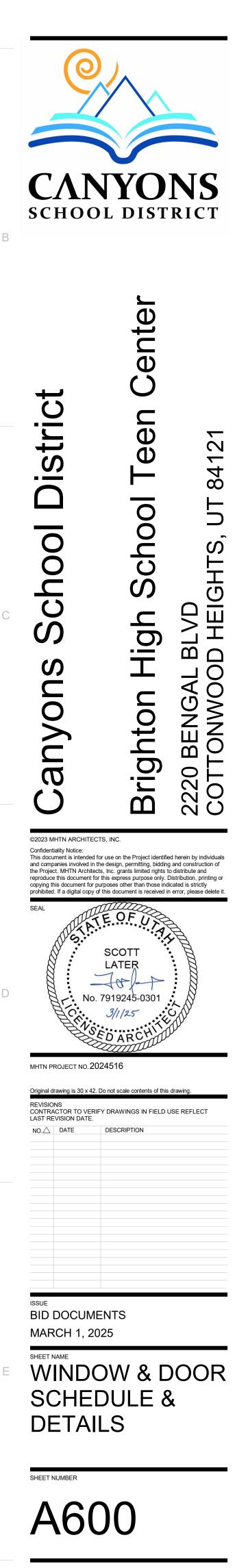




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					F	FINISH SCHE	DULE					
						WALL				–		
RM#	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL FINISH	AST WALL FINISH	SOUTH WALL FINISH	WEST WALL FINISH	CEILING FINISH	CABINET FINISH	COUNTER TOP FINISH	REMARKS	RM#
		Ш.	<u>n</u>	Z	<u>ш</u>	Ň.		0	U U	U U	REMARKS	
A115	KITCHENETTE	EE PLAN	RB1	PT1, PL1	PT1, PL1	PL1	PT2, PL1	SEE RCP	PL1	SS1		A115
			RB1	PT1	PT1	PT1	PT1	SEE RCP				D104
			RB1	PT1, PT2, PL1	PT1, WCI, PL1	PT1, PT2, WC1	PT2	SEE RCP	PL1	SS1		D105
D106	PREP SE	EE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP	PL1	SS1		D106
D107	RESTROOM	A	NA	NA	NA	NA	NA	NA	NA	NA	DIAPER CHANGING STATION TO BE ADDED	D107
D108	VESTIBULE SE	EE PLAN	RB1	MATCH EXIST	MATCH EXIST	MATCH EXIST	MATCH EXIST	SEE RCP				D108
D110	SHARED LEARNING SE	EE PLAN	RB1	MATCH EXIST	MATCH EXIST	MATCH EXIST	MATCH EXIST	SEE RCP	PL1	SS1		D110
D117	STORAGE N/	A	NA	NA	NA	NA	NA	SEE RCP				D117
D118	WC N/	A	NA	NA	NA	NA	NA	NA	NA	NA		D118
D145	LAUNDRY SE	EE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP	PL1	SS1		D145
D146	RESTROOM SE	EE PLAN	WT1, WT2	WT1, WT2	WT1, WT2	WT1, WT2	WT1, WT2	SEE RCP	PL1	SS1		D146
D147	STORAGE	EE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				D147

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FINISH SCHEDULE LEGEND

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FLOOR FIN	ISHES			BA	SIS-OF-DESIGN	
CALL OUT	DESCRIPTION	SPEC SECTION	COLOR	MANUFACTURER	PRODUCT/STYLE	COMMENTS
CPT1	50CM X 50CM Carpet Tile	096813	Edges NAV15	Milliken	Moraine, Navigator	Quarter Turn Installation
FT1	2" X 2" Mosaic	093000	D014 Desert Gray	Daltile	Keystones	Restroom floor pattern Grout: Custom Building Products, color selected by architect
RES1	13"X13" Linoleum Flooring	096500	Stone	Forbo	MCT-3888	Quarter Turn Installation
BASE						
RB1	4" Rubber Base, Coved	096500	174 Smoke	Roppe	Pinnacle Rubber Base, Standard toe 5/8"	

WALL FINIS	SHES			BA	SIS-OF-DESIGN	
CALL OUT	DESCRIPTION	SPEC SECTION	COLOR	MANUFACTURER	PRODUCT/STYLE	COMMENTS
WT1	6"X18" Wall Tile RESTROOM, 3/8" thick	093000	X714, Desert Grey, Matte	Daltile	Color Wheel Linear	Grout: Custom Building Products, color selected by architect
WT2	6"X18" Wall Tile RESTROOM, 3/8" thick	093000	K775, Biscuit, Matte	Daltile	Color Wheel Linear	Grout: Custom Building Products, color selected by architect
WC1	Vinyl Wallcovering	097200	Original	Designtex	Gouache C 3123-901	Straight hang, Straight aross match

CEILING FIN	NISHES			BASI	S-OF-DESIGN]
CALL OUT	DESCRIPTION	SPEC SECTION	COLOR	MANUFACTURER	PRODUCT/STYLE	COMMENTS
ACP1	24"x24" Acoustical Ceiling Panel	095100	White	Armstrong	Product: Mesa 3/4" thick Edge Detail: Angled Tegular 15/16	Accessories: white grid, use 4" white Axiom trim when cloud edge exposed
CG1	Wood Grille System	095426	Color Selected by Architect	9Wood	1100 cross peice grille	
GB1	Painted Gypsum board - BLUE	099000	Painted PT2			
GB2	Epoxy Painted Gypsum board BATHROOMS	099000	Painted PT1			
GB3	Epoxy Painted Gypsum board	099000	Painted to match existing			

MISCELLAN	NEOUS FINISHES			BA	SIS-OF-DESIGN	-
CALL OUT	DESCRIPTION	SPEC SECTION	COLOR	MANUFACTURER	PRODUCT/STYLE	COMMENTS
PL1	Plastic Laminate	064100	Beige Elm, Natural Grain	Formica	5794-NG	Casework/doors - Run wood grain vertically
SS1	Solid Surface	123600	Soothing Grey 9116GS (3)	Wilsonart	Solid Surface	Square edge, 6" backsplash
PT1	Paint WHITE	099000	Extra White 7006	Sherwin-Williams	Latex, low-VOC, semi gloss	Field
PT2	Paint BLUE	099000	Color selected by Architect	Sherwin-Williams	Latex, low-VOC, semi gloss	
PT3	Paint DOOR FRAMES	099000	Color selected by Architect	Sherwin-Williams alkyd urethane enamel		
TR1	Transition	093000	Clear Anodized	Schluter	Quadec	Tile Corners in Restrooms
TR2	Transition	093000	Clear Anodized	Schluter	Jolly	Tile end cap
TR3	Transition	093000	Clear Anodized	Schluter	Dilex	Tile Cove in Restrooms
TR4	Corner Guard, to ceiling, .078" thick	093013	Pumice (DH)	Koroseal	Korogard, G800 series Vinyl Corner Guard G875 3/4" wing	At wallcovering outside corners
TR5	Outside Corner Trim, 3/4"	093013	Clear Anodized	Monarch	Outside Corner EPS-OC075- SM	At laminate panel outside corners
TR6	Horizontal Reveal, 3/4"	093013	Clear Anodized	Monarch	Horizontal Reveal EPS-H075-L	At laminate panel reveal
TR7	Carpet Tile Joiner	096500	174 Smoke	Roppe		

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

FINISH SCHEDULE GENERAL NOTES

RE: Axxx for typical floor finish transition details

RE: A651 for Floor Pattern Plans

Finishes

Provide finishes as indicated in the finish schedule. Refer to interior elevations, where drawn, for clarification, dimensions and additional information. The absence of an interior elevation does not override the requirement to provide the finish indicated in the schedule.

Where a finish is partly hidden by an object, extend that finish behind the object.

Where multiple finishes are scheduled, refer to interior elevations and floor pattern plans for transition locations.

Floor: Extend floor finishes into knee spaces at cabinets, under counters and under all other objects, which in a floor plan view may obscure the extent of the floor finish.

Base: Where base is scheduled for a room, provide base at all walls whether shown in elevation, including alcoves and offsets. At gypsum board walls, if no base is scheduled or shown in interior elevations, provide 4" rubber base.

Walls: Extend wall finishes behind cabinets, behind mirrors, and into other areas that may be hidden in elevation views.

Ceilings: Paint areas above suspended ceilings that are visible from below. Color: black.

Doors, Windows and Frames: Unless specified to be pre-finished at the factory, provide paint finish on hollow metal doors and hollow metal door and window frames. Color as indicated, or if not indicated, then as selected by the Architect. Provide specified stain finish at wood doors.

Unfinished and Primed Metal Surfaces: Paint all unfinished and primed metal surfaces that are visible with the specified system(s). Color by Architect.

Standing and Running Trim: Provide specified stain finish at wood trim.

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.

Typical Colors, UNO: Walls: W1 Hollow Metal Doors:

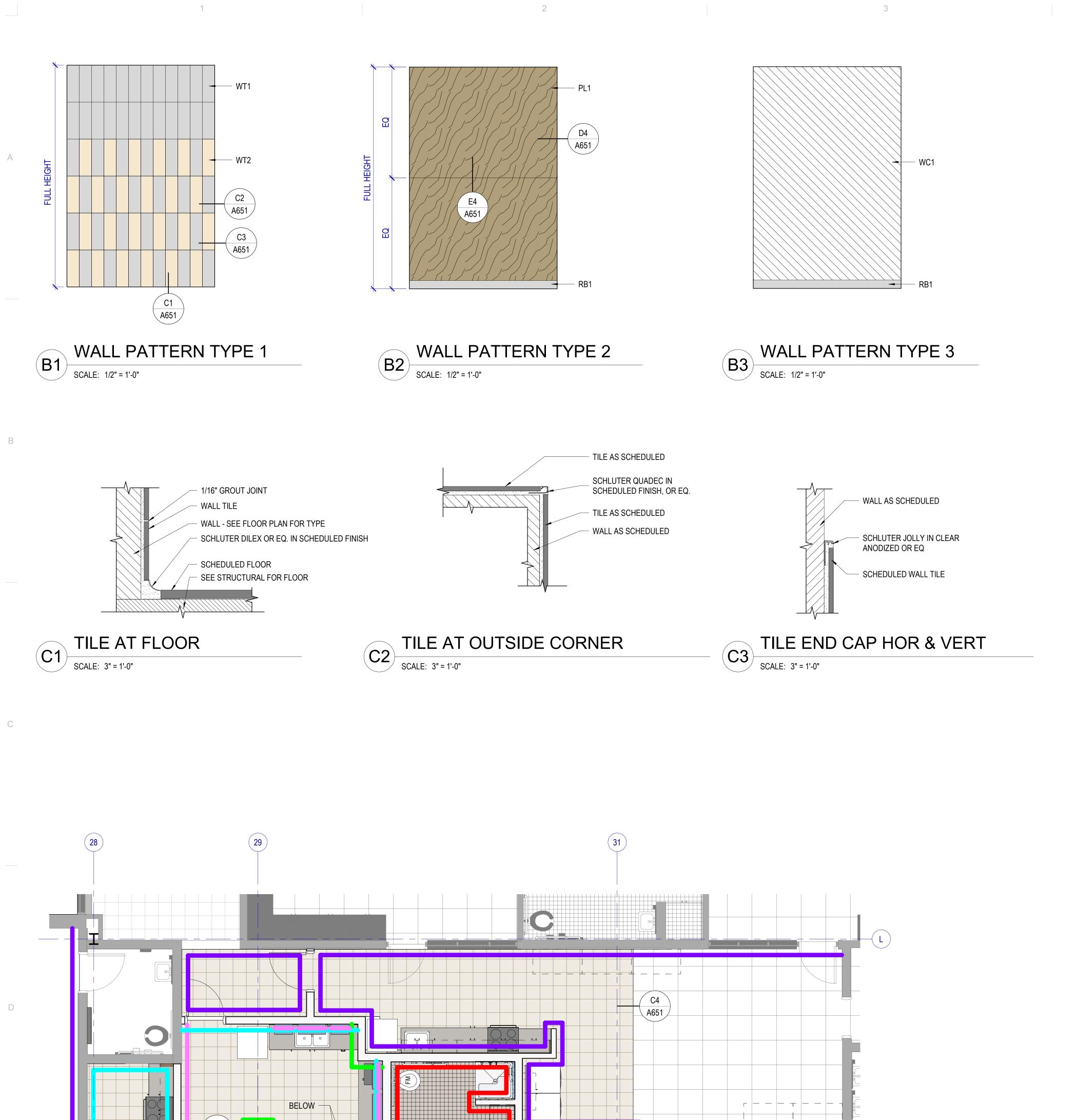
Hollow Metal Frames:

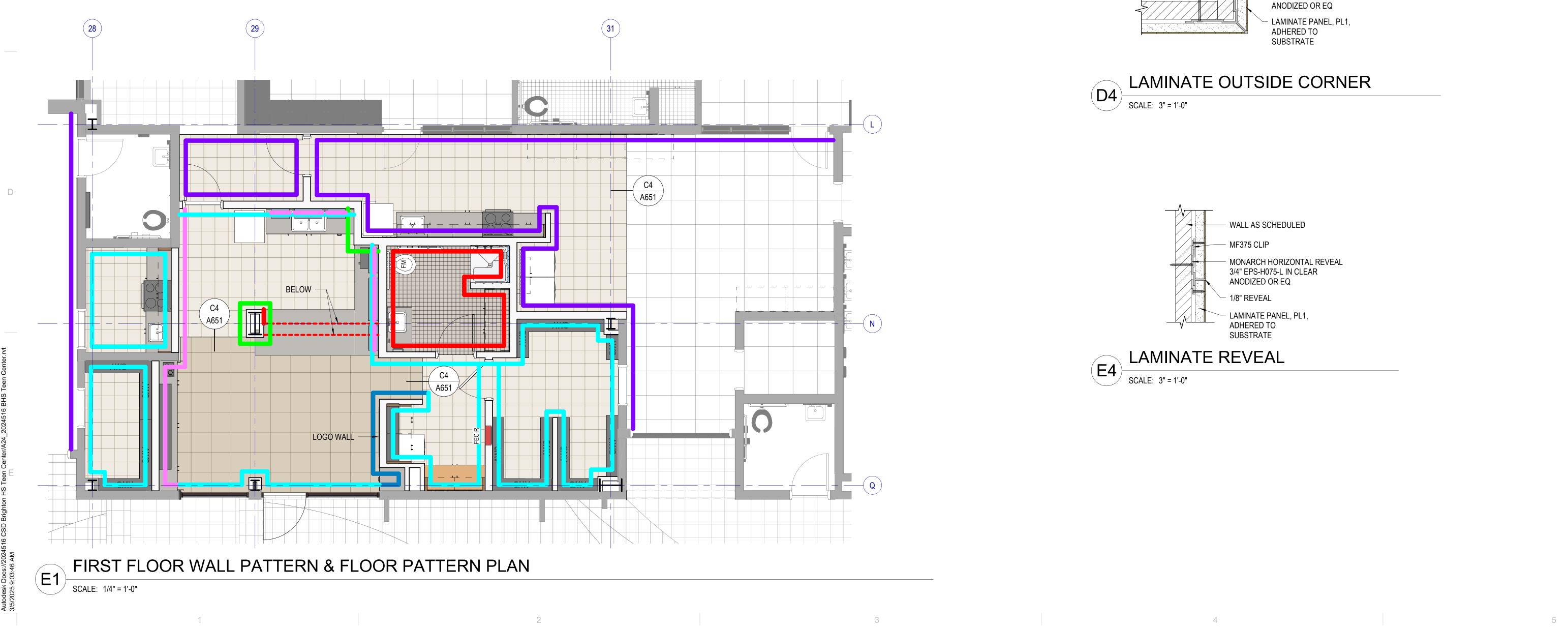
Seaming Diagrams: Provide diagrams for broadloom carpet and sheet flooring.

Wall Covering Seams: Apply wall covering to minimize seams, to provide equal panels and locate seams no closer than 1'-0" from corners.











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WALL FINISH LEGEND

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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

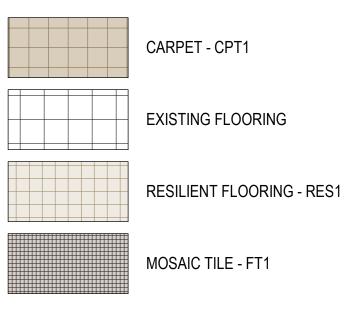
RE: Structural drawings for recessed slabs.

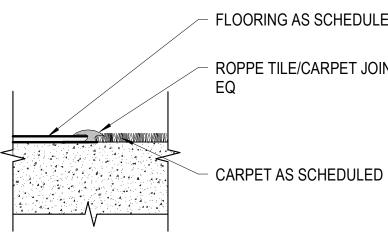
Floor Finish Transitions at Doors: Locate floor finish material transitions that occur at doors under the center of the door, UNO.

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

LEGEND - FLOOR PATTERN



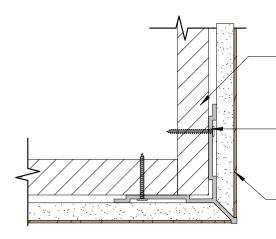


FLOORING AS SCHEDULED

ROPPE TILE/CARPET JOINER, OR

CARPET TO RESILIENT C4

SCALE: 3" = 1'-0"

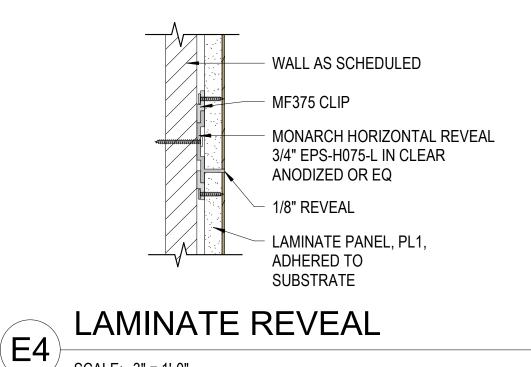


- WALL AS SCHEDULED

MONARCH OUTSIDE CORNER 3/4" EPS -OC075-SM IN CLEAR ANODIZED OR EQ - LAMINATE PANEL, PL1, ADHERED TO SUBSTRATE

LAMINATE OUTSIDE CORNER **D4**

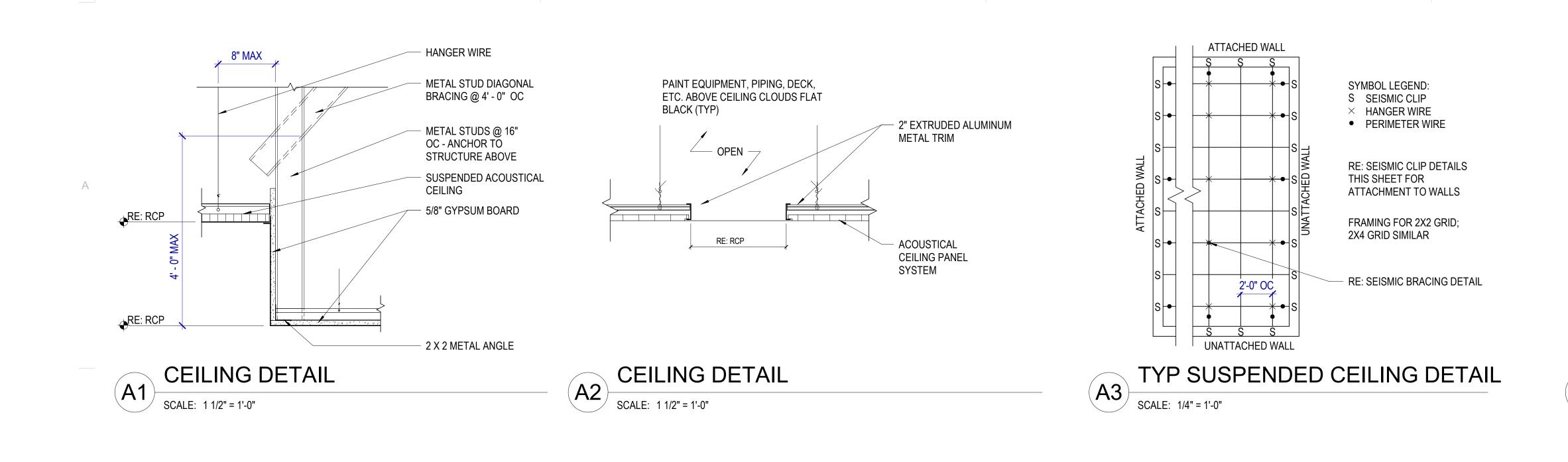
SCALE: 3" = 1'-0"



SCALE: 3" = 1'-0" \checkmark







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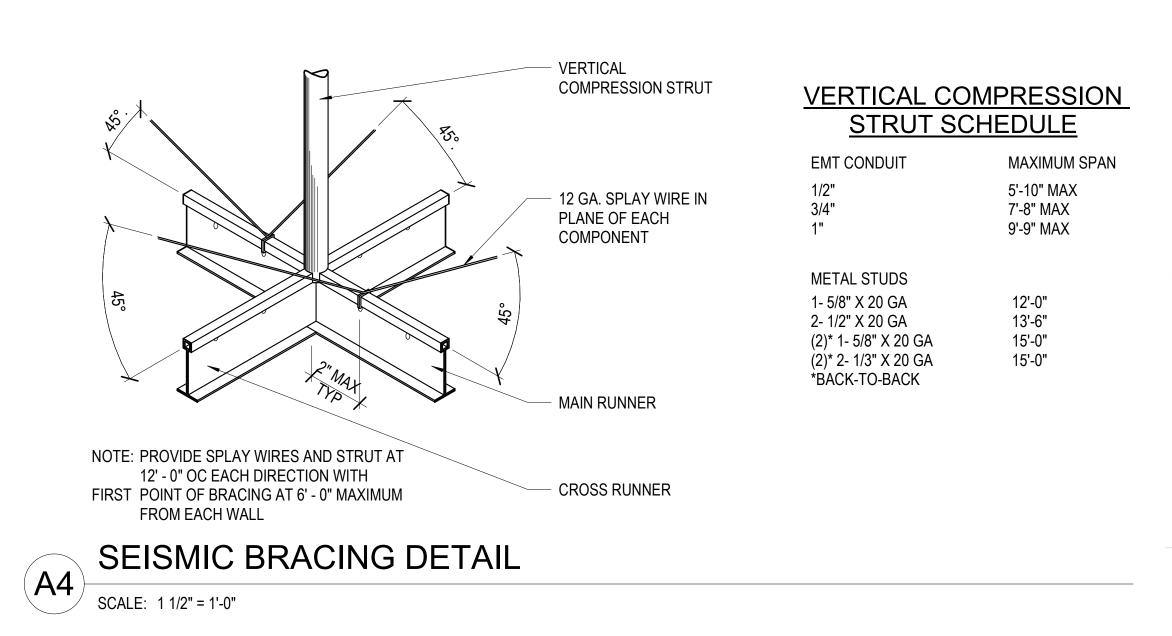
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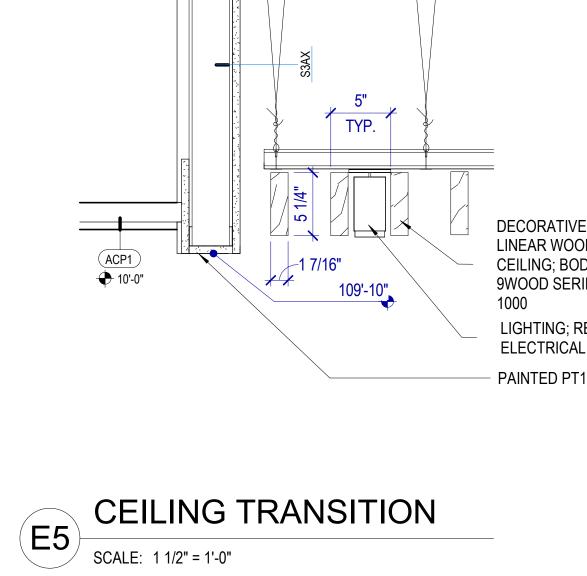
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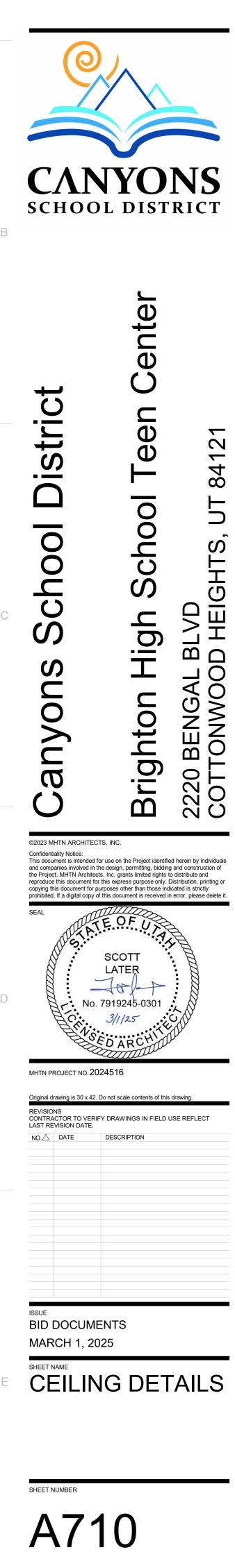
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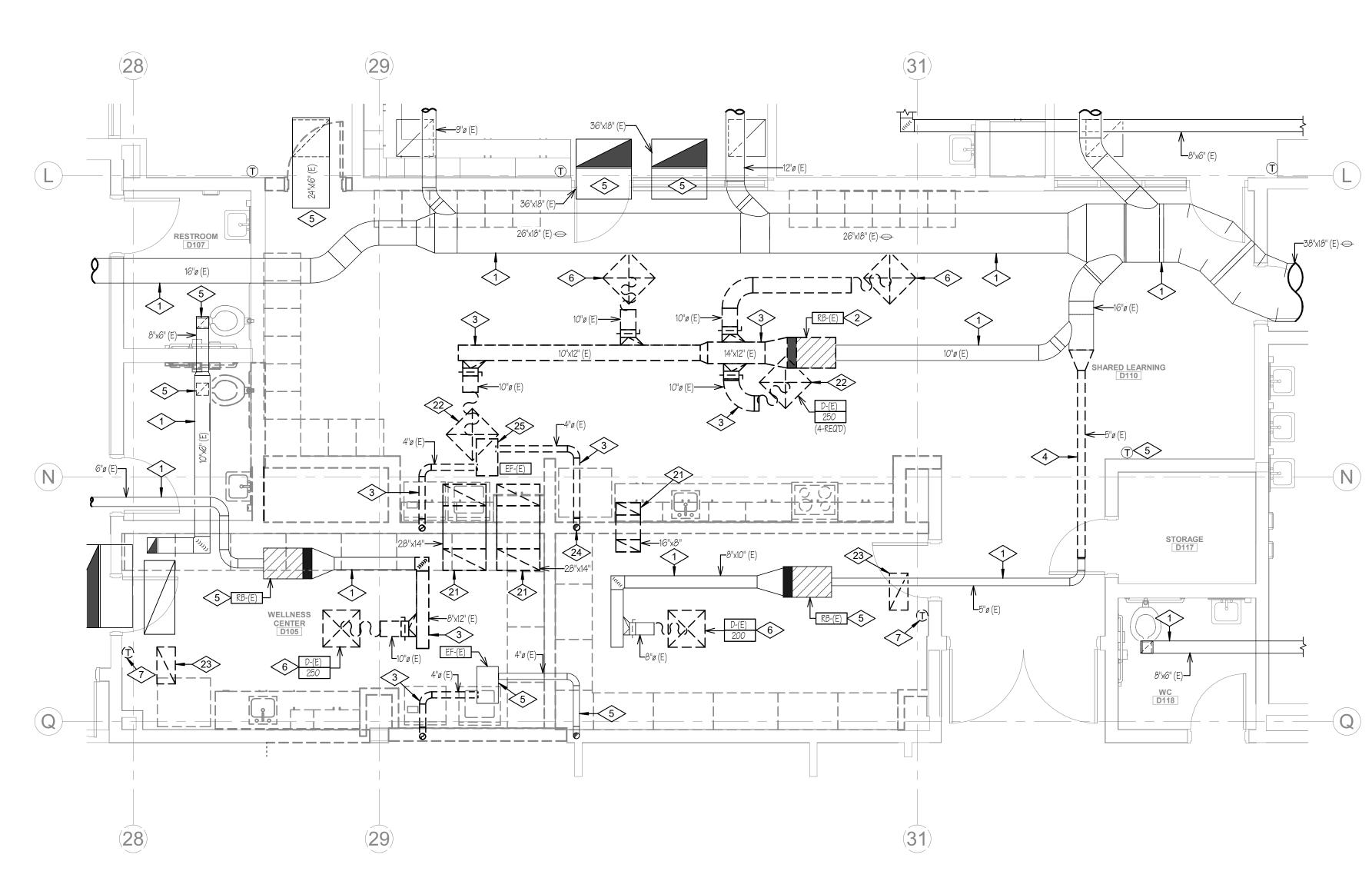
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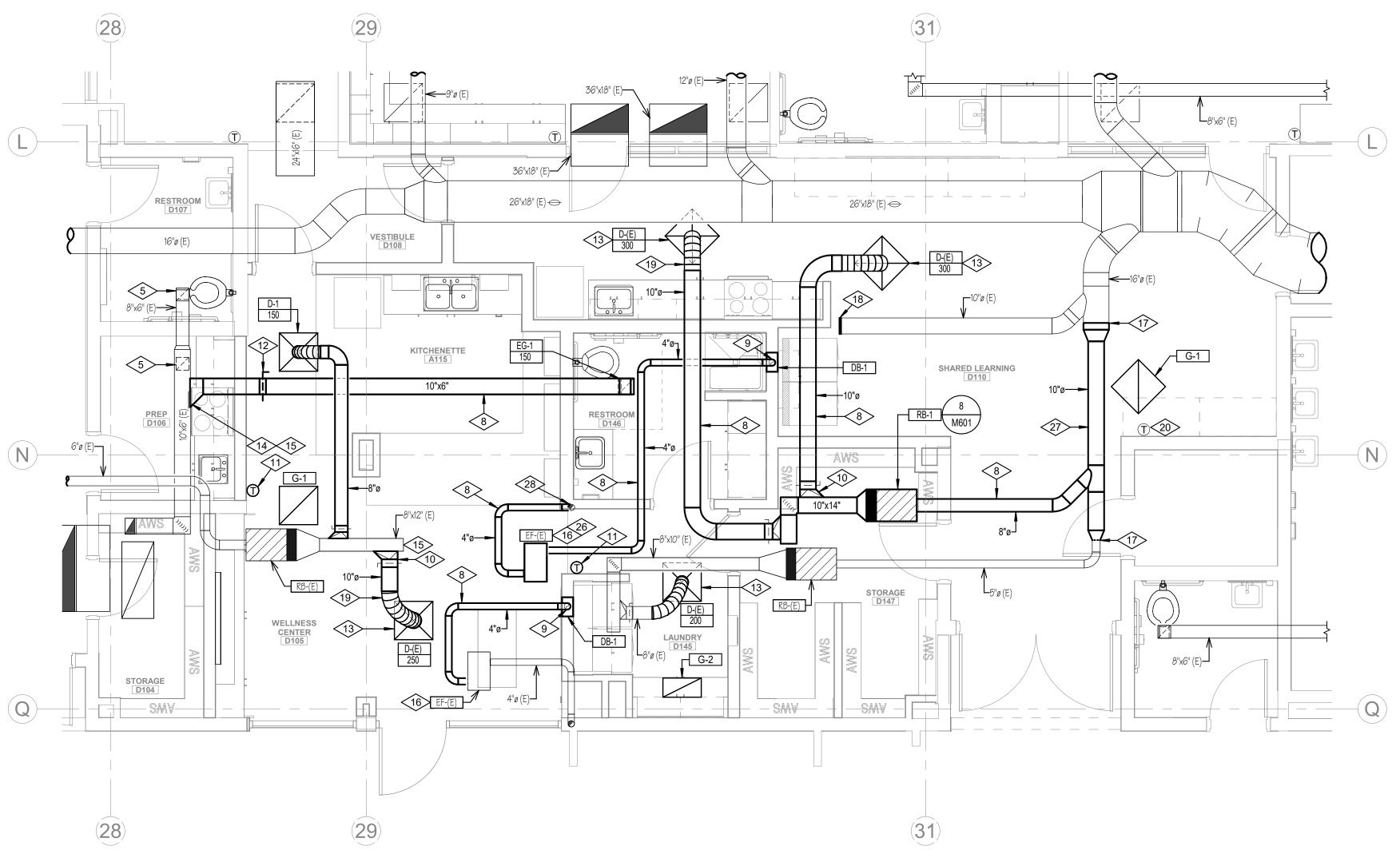








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0	2' -			0"	8
	ALE:			1'-0"	

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OR MECHANICAL PLAN 8' - 0"

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REFERENCE NOTES <#>

- APPROXIMATE LOCATION OF EXISTING DUCTWORK TO 1 REMAIN. (TYPICAL)
- REMOVE EXISTING VAV BOX, CONTROLS, SUPPORTS, ETC. COMPLETE. SALVAGE TO DISTRICT.
- REMOVE EXISTING LOW PRESSURE DUCTWORK AND HANGERS. (TYPICAL) 3
- REMOVE EXISTING MEDIUM PRESSURE DUCTWORK, 4 HANGERS AND DUCT INSULATION COMPLETE. (TYPICAL)
- 5 EXISTING TO REMAIN.

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- REMOVE EXISTING SUPPLY DIFFUSER AND STORE FOR 6 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)
- HIGH-EFFICIENCY TAKE-OFF FITTING WITH VOLUME 10 CONTROL BALANCING DAMPER. (TYPICAL)
- REUSE AND RELOCATE EXISTING THERMOSTAT. 11 RECONNECT TO SYSTEM AS REQUIRED.
- PROVIDE MANUAL BALANCING DAMPER IN EXHAUST 12 DUCT. DAMPER TO REMAIN ACCESSIBLE.
- RELOCATE EXISTING DIFFUSER TO ALIGN WITH NEW 13 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.
- REMOVE 4" DIA. DRYER DUCT BACK TO DUCT RISE THRU 24 SECOND LEVEL. PROTECT FOR RECONNECTION DURING CONSTRUCTION.
- REMOVE EXISTING DRYER BOOSTER FAN AND STORE 25 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

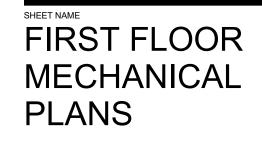
- SCOPE OF WORK

BUILDING KEYPLAN

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CONSTRUCTION DOCUMENTS MARCH 3, 2024

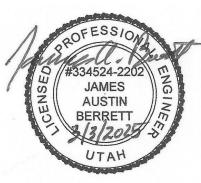
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MHTN PROJECT NO. 2024516

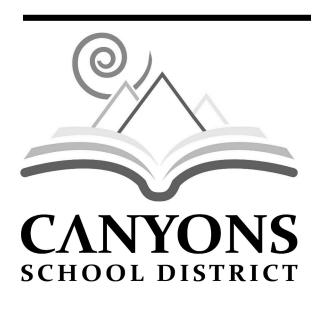


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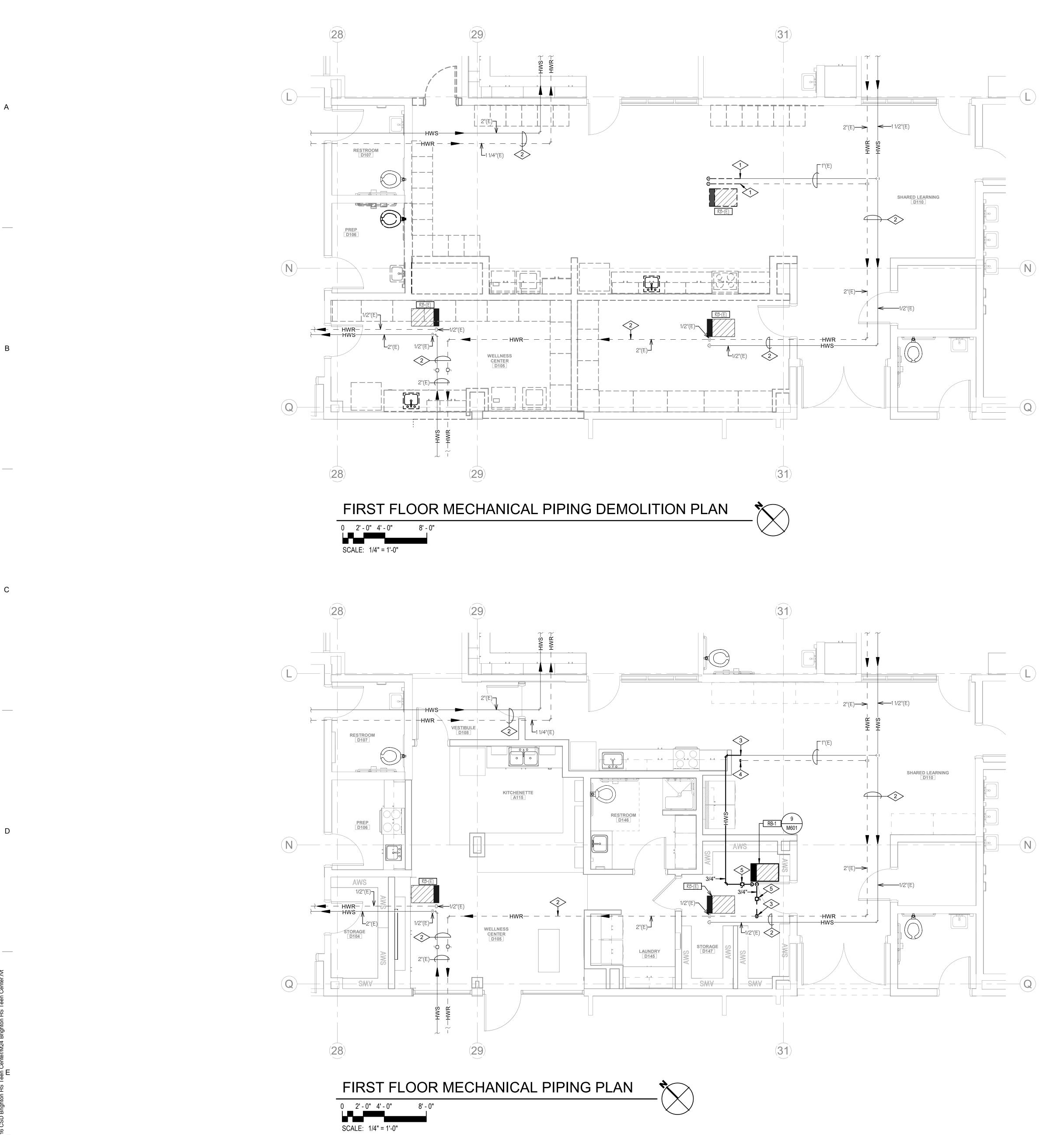


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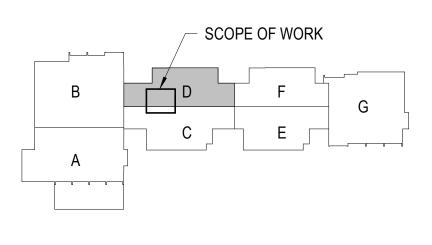
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REFERENCE NOTES <#>

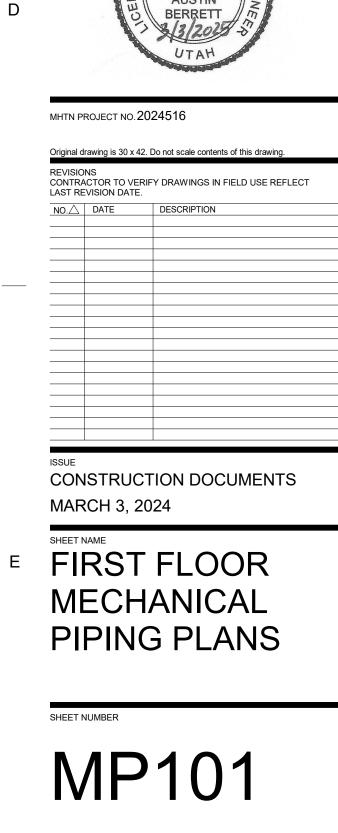
- REMOVE EXISTING HWS & HWR PIPING BACK TO THIS APPROXIMATE LOCATION. 1
- 2 EXISTING PIPING TO REMAIN.
- 3 TIE INTO EXISTING PIPING ABOVE CEILING AT THIS APPROXIMATE LOCATION.
- 4 CAP PIPING ABOVE CEILING IN THIS APPROXIMATE LOCATION.
- 5 LINE SIZE BALL VALVE. VALVE MUST BE IN AN ACCESSIBLE LOCATION.



BUILDING KEYPLAN

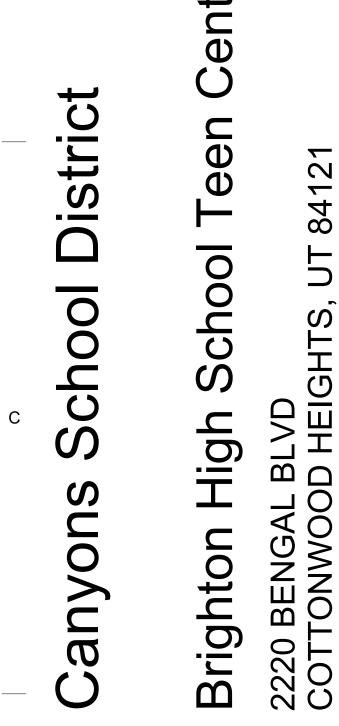
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JAMES AUSTIN

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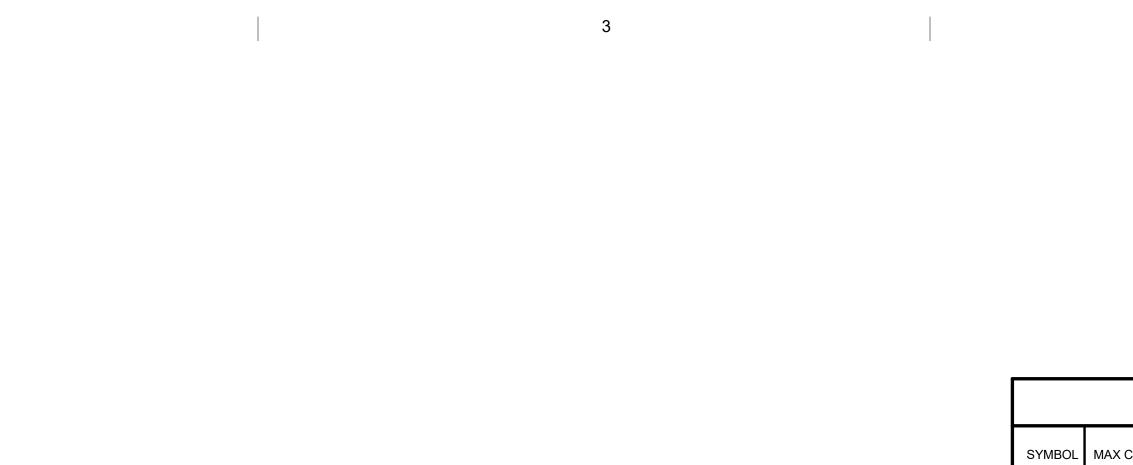
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SYMB NOTES:

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MECHANICAL EQUIPMENT SCHEDULE

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DB-1 DRYER BOX: 22 GAUGE ALUMINUM IN-WALL TYPE. MANUFACTURER: DRYERBOX

MODEL: DB-480

	VAV REHEAT BOX SCHEDULE												
1BOL									(1)(2)(3)(4) MAKE & MODEL				
-1	600-700	300	8" DIA.	.49"	300	18.0	1.8	2	.41 FT.	12" x 10"	TITUS DESV		

(1) VAV AND COIL CONTROL SHALL BE ACCESSED FROM SAME SIDE OF BOX. SEE PLAN FOR RIGHT OR LEFT HAND COIL CONNECTIONS.

(2) CAPACITIES BASED ON 55 DEG.F. ENTERING AIR TEMP., 140 DEG.F. ENTERING WATER TEMP WITH 20 DEG.F. WATER TEMP. DROP. & 30% PROPYLENE GLYCOL SOLUTION

(3) COORDINATE CONTROL MOUNTING WITH ATC CONTRACTOR.

4

(4) VAV BOXES SHALL BE 3-POSITION TYPE.

	DIFFUSER SCHEDULE												
SYMBOL	MBOL TYPE FACE SIZE NECK SIZE LOCATION AIR PATTERN MAKE & MODEL												
D-1 CFM	SUPPLY AIR	24"x24"	8"Ø	LAY-IN CEILING	4-WAY	TITUS OMNI							
NOTES:													

(1) COLOR AND FINISH TO MATCH CEILING GRID, COORDINATE WITH ARCHITECT. (2) COORDINATE WITH ARCHITECTURAL CEILING PLAN FOR CEILING TYPE.

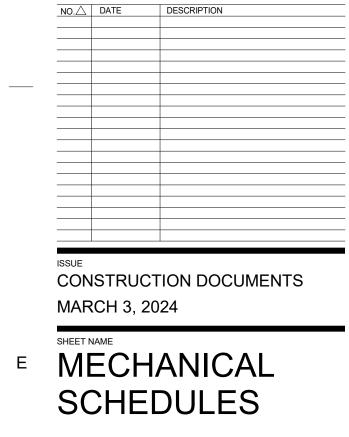
	GRILLE SCHEDULE											
SYMBOL	SIZE	LOCATION	TYPE	(1) MAKE & MODEL								
G-1	24" x 24"	CEILING	RETURN AIR	TITUS 4FL								
G-2	24" x 12"	CEILING	RETURN AIR	TITUS 4FL								
EG-1	10" x 10"	10" CEILING EXHAUST AIR TITUS 4FL										

NOTES:

(1) COLOR AND FINISH TO MATCH CEILING GRID, COORDINATE WITH ARCHITECT. SUPPLIER OF REGISTERS AND GRILLES SHALL COORDINATE WITH REFLECTED CEILING PLANS TO DETERMINE PROPER FRAMES.



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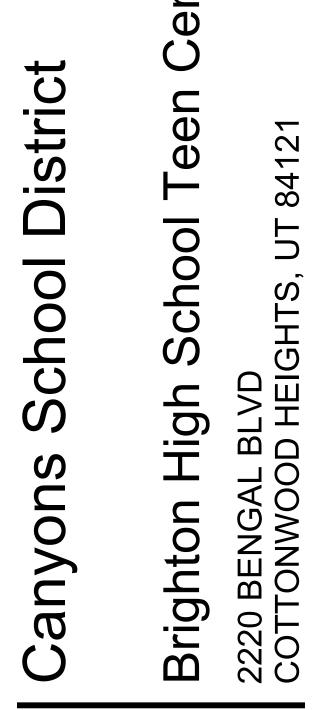
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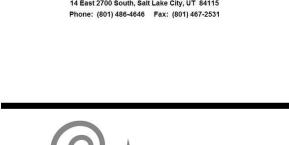
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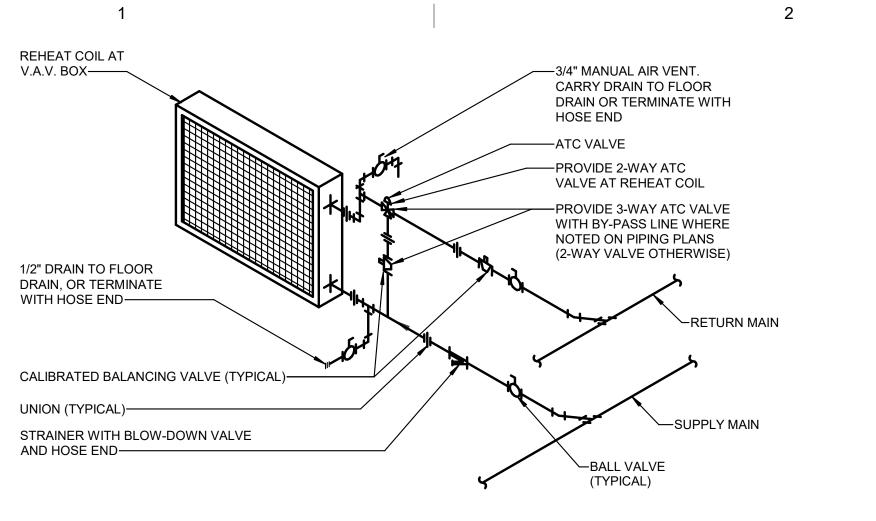


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REHEAT COIL PIPING DETAIL

SCALE: NTS

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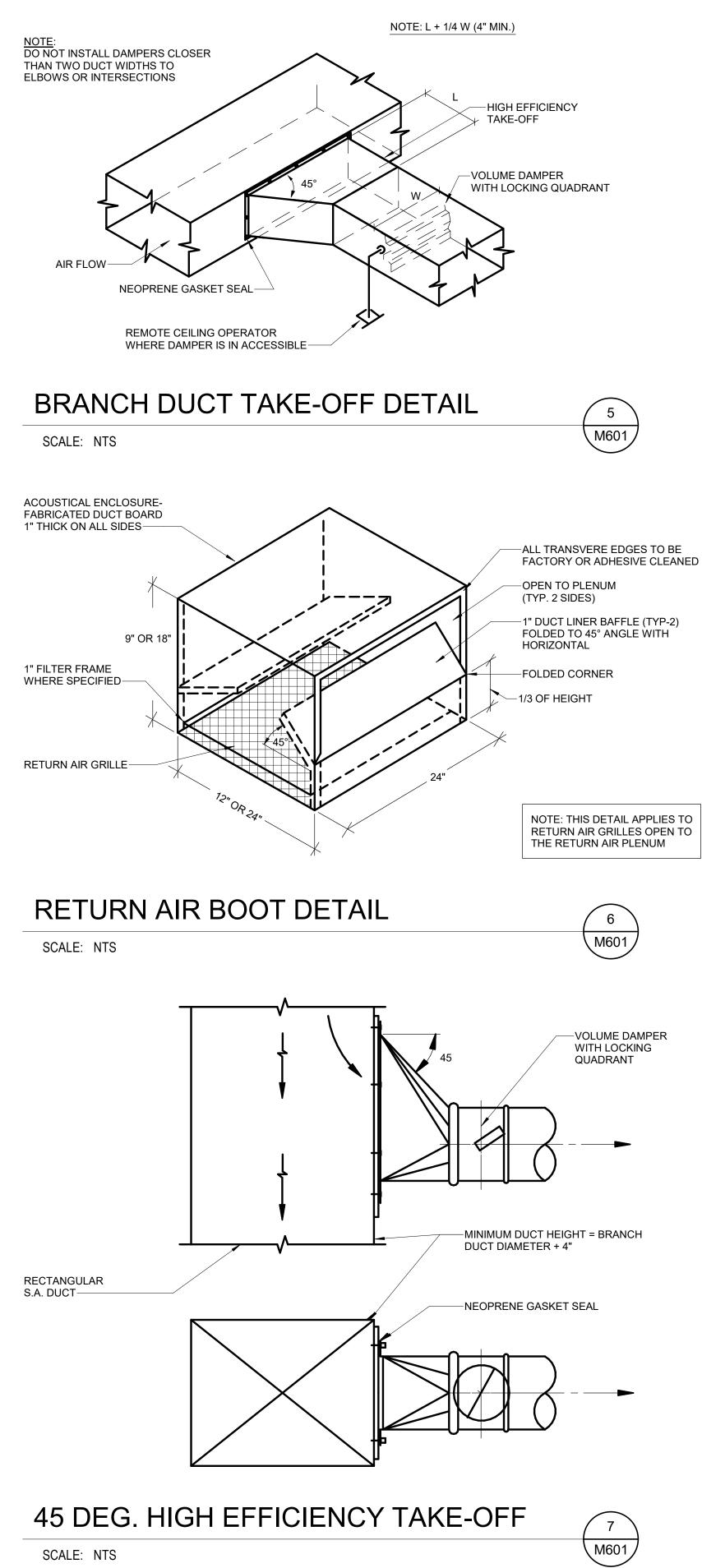
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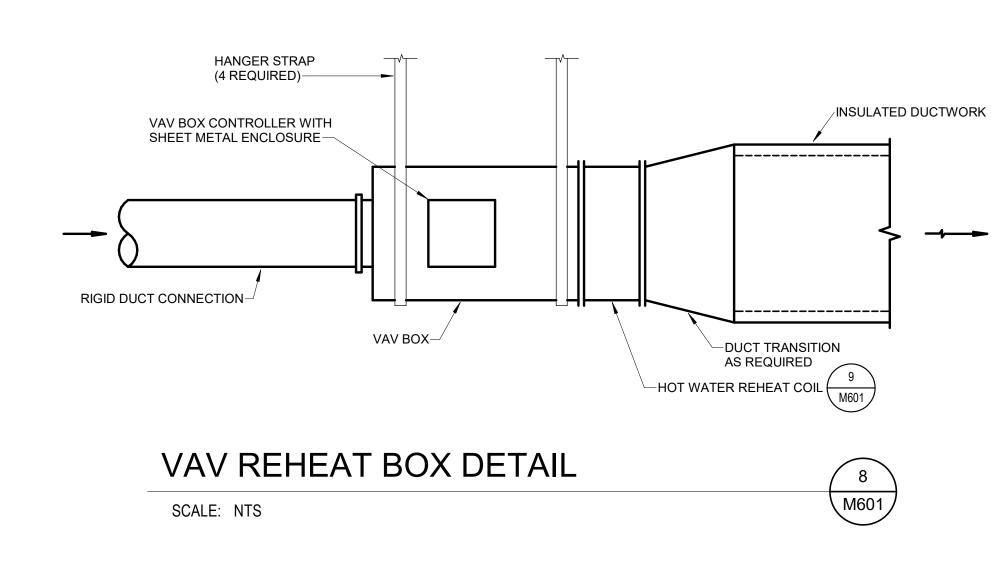
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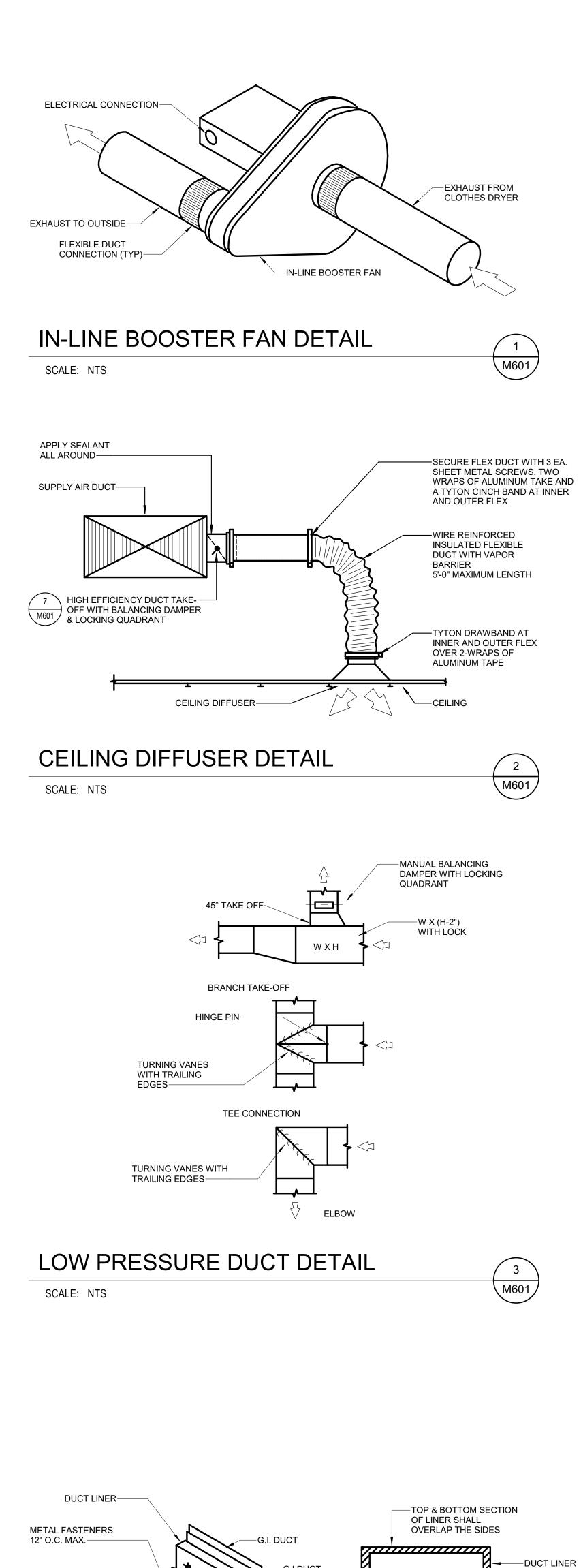




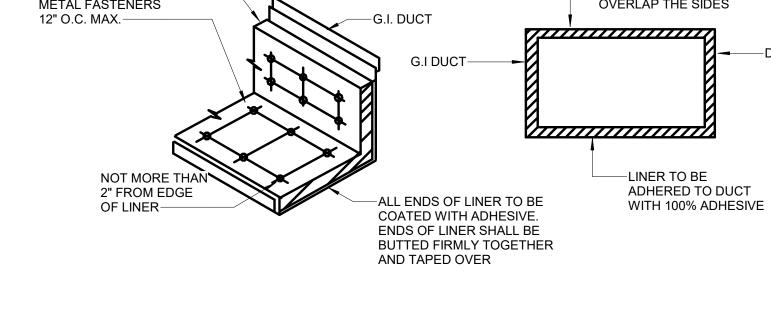
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DUCT LINER DETAIL SCALE: NTS

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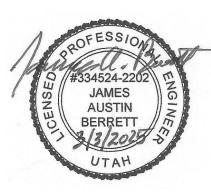
CONSTRUCTION DOCUMENTS

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NO. _____

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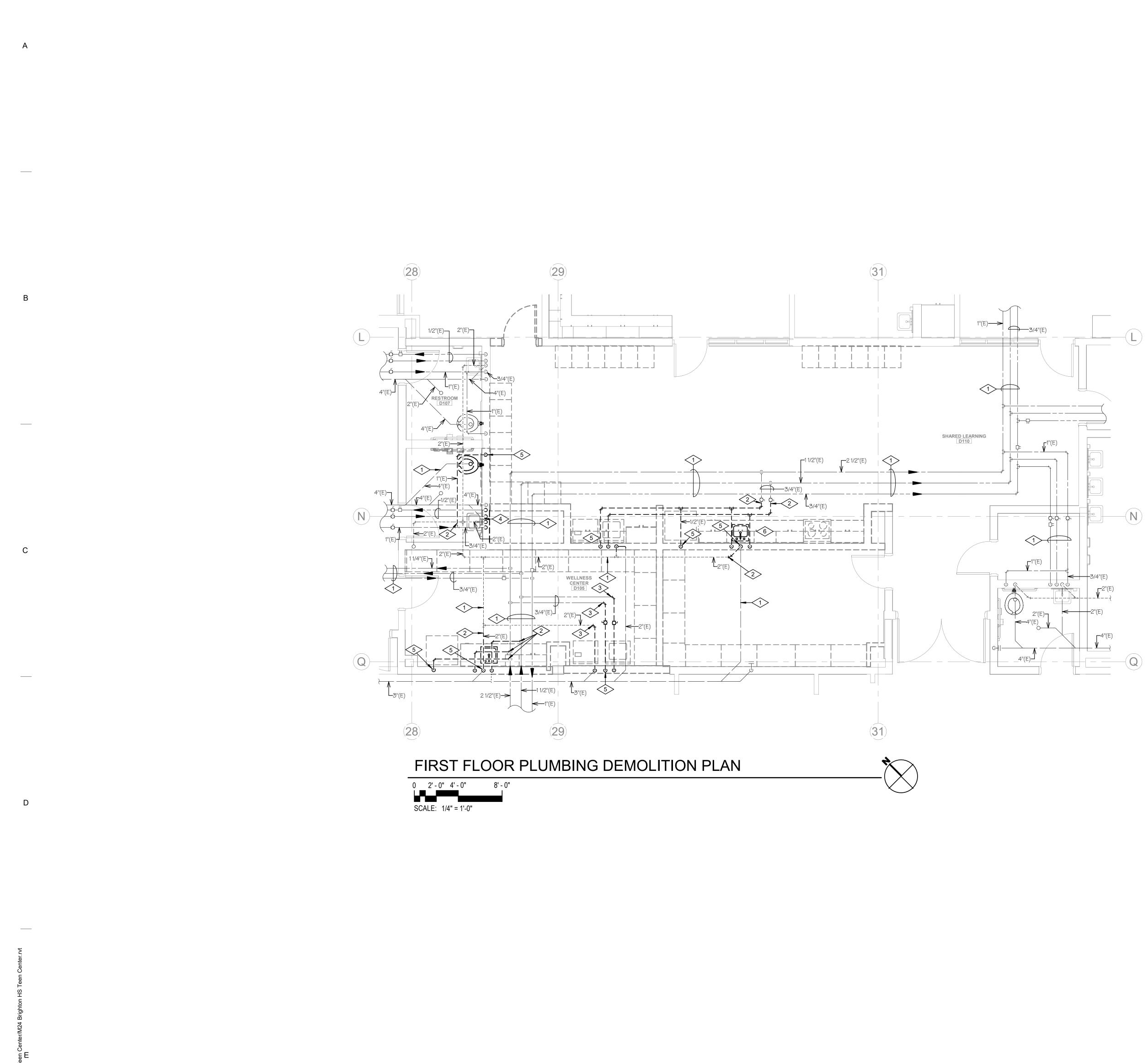
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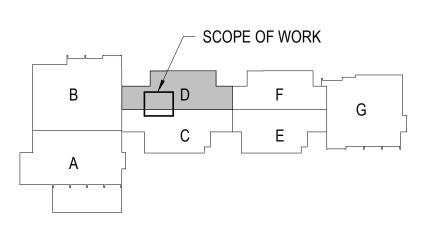
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REFERENCE NOTES <#>

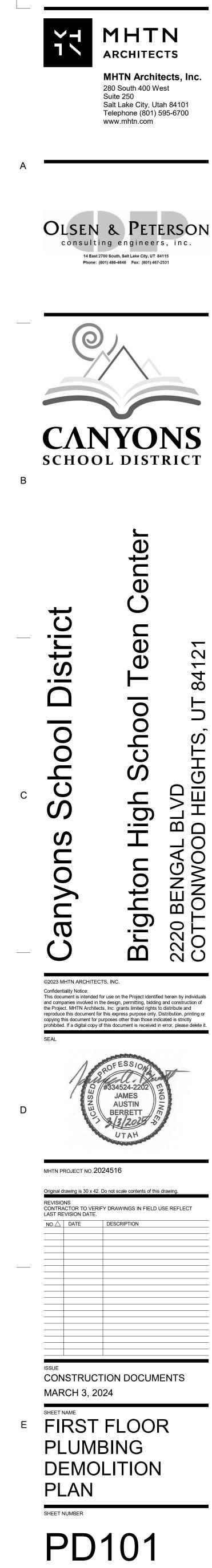
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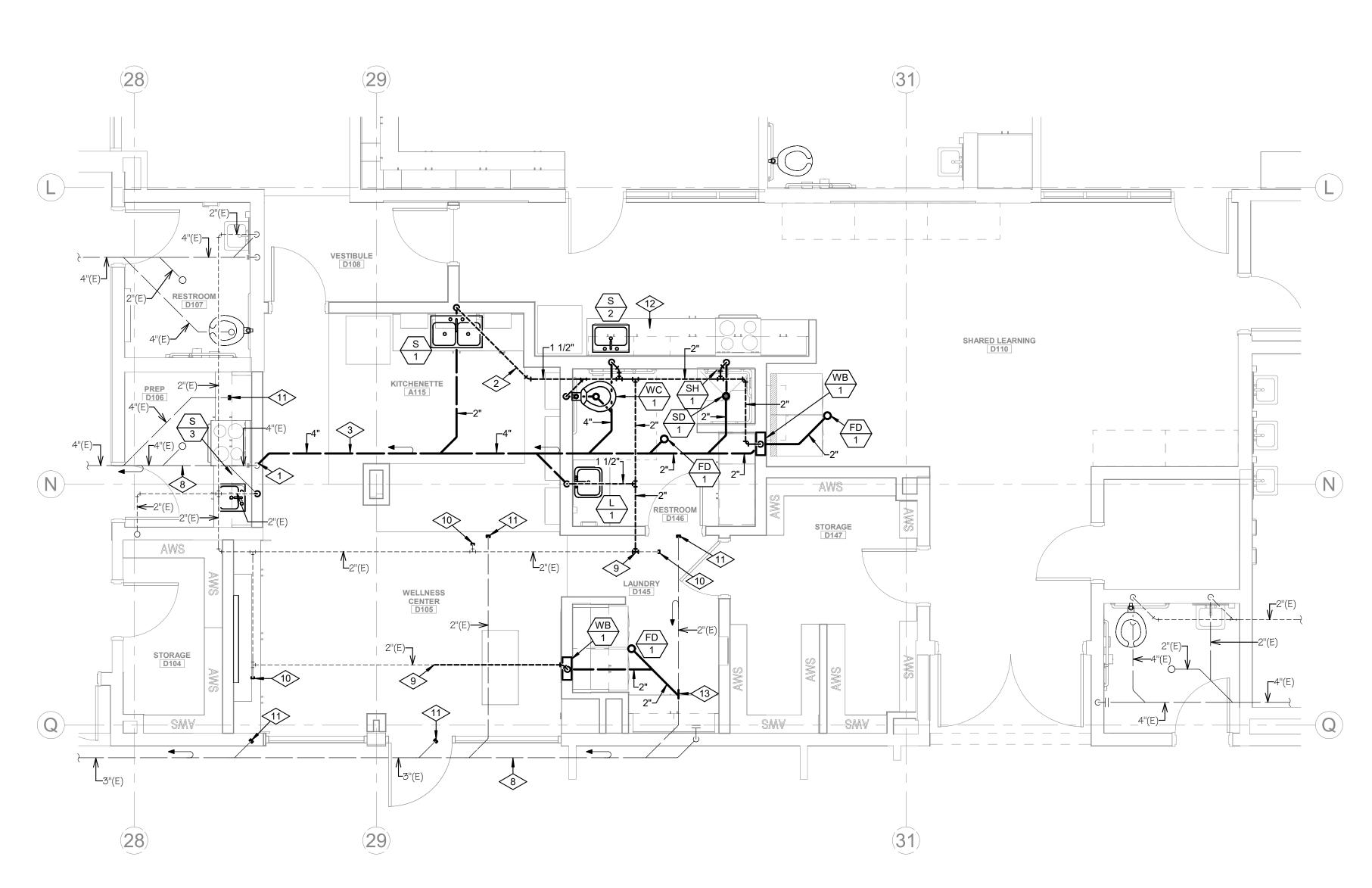
- APPROXIMATE LOCATION OF EXISTING PIPING TO REMAIN. PROTECT DURING CONSTRUCTION. 1
- REMOVE EXISTING PIPING BACK TO THIS APPROXIMATE LOCATION. CAP IN CEILING.
- REMOVE EXISTING PIPING BACK TO THIS APPROXIMATE LOCATION. SEE P101 FOR NEW CONNECTION. 3
- 4 REMOVE FIXTURE WATERS, WASTE & VENT CONNECTIONS AND RECONNECT TO NEW SINK IN SAME LOCATION.
- 5 FIXTURE TO BE REMOVED. REMOVE EXISTING WATERS, WASTE & VENT LINE CONNECTIONS.
- 6 REMOVE EXISTING DISHWASHER AND STORE FOR RELOCATION.

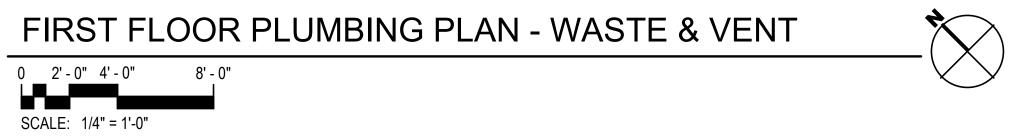


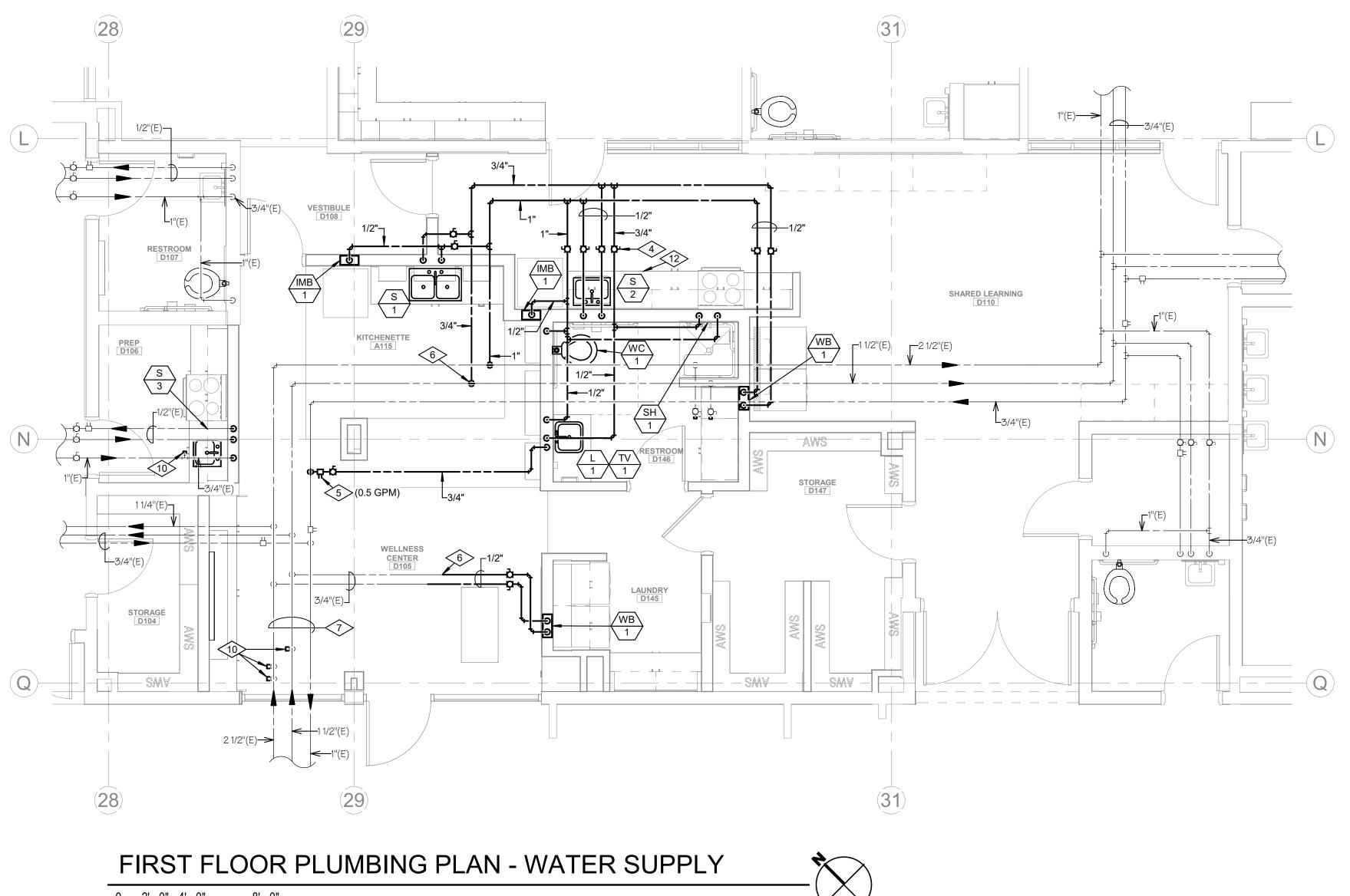
BUILDING KEYPLAN

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FIRST FL	.OOR
0 2' - 0" 4' - 0"	8' - 0" I
SCALE: 1/4" = 1'-0"	

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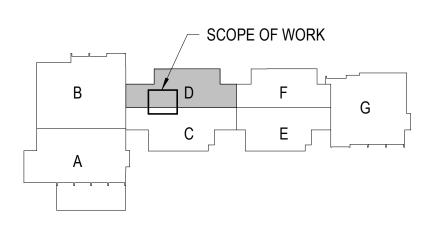
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- TIE-IN TO EXISTING 4" SANITARY WASTE LINE AT THIS APPROXIMATE LOCATION. FIELD VERIFY LOCATION AND INVERT ELEVATION PRIOR TO COMMENCMENT OF WORK.
- PIPING TO RUN ABOVE CEILING. COORDINATE WITH ALL EXISTING & NEW CONDITIONS. (TYPICAL) 2
- PIPING TO 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.
- REINSTALL EXISTING DISHWASHER. PROVIDE WATERS FROM S-2. COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT LOCATION. 12
- 13 TIE-IN TO EXISTING 2" WASTE LINE AT THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION & INVERT ELEVATION.



BUILDING KEYPLAN

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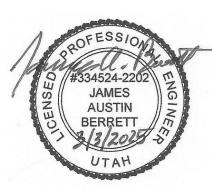
CONSTRUCTION DOCUMENTS MARCH 3, 2024 E FIRST FLOOR PLUMBING PLANS

____ _____ _____ _____ _____ _____ -----_____

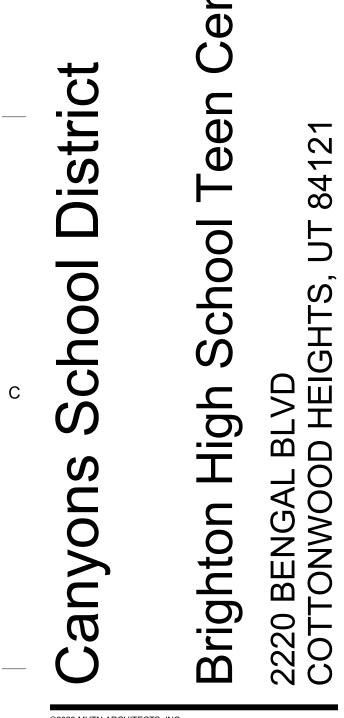
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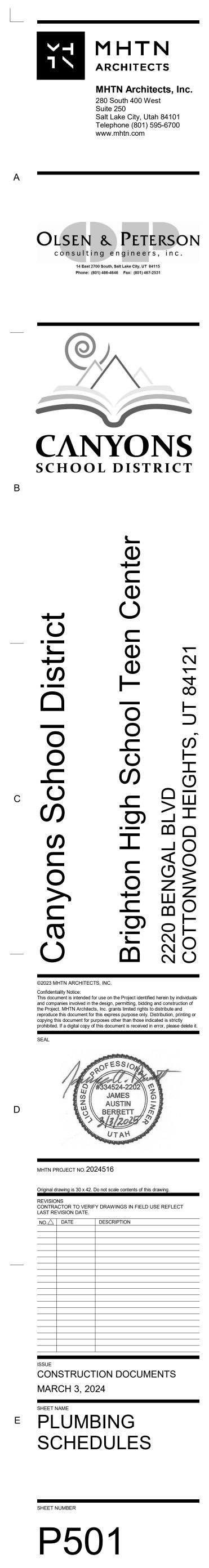
	PLUMBING FIXTURE SCHEDULE												
SYMBOL	FIXTURE	WASTE	VENT	C.W.	H.W.	Т	NOTES						
$\overline{\begin{pmatrix} WC \\ 1 \end{pmatrix}}$	WATER CLOSET	4"	2"	1"			FLOOR MOUNTED - BATTERY FLUSH VALVE						
$\left\langle \begin{array}{c} L \\ 1 \end{array} \right\rangle$	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	1/2"	UNDER MOUNTED - (ADA) W/ASSE TV-1						
$\left\langle \begin{array}{c} TV \\ 1 \end{array} \right\rangle$	TEMPERING VALVE			1/2"	1/2"	2" 1/2" SINGLE LAV. ASSE 1070 MOUNT UNDER LAVATORY							
$\left\langle \begin{array}{c} S \\ 1 \end{array} \right\rangle$	SINK	1-1/2"	1-1/2"	1/2"	1/2"		2- COMPARTMENT - UNDER MOUNTED KITCHEN						
$\left\langle \frac{S}{2} \right\rangle$	SINK	1-1/2"	1-1/2"	1/2"	1/2"		SINGLE COMPARTMENT - UNDER MOUNTED SHARED LEARNING						
$\left\langle \begin{array}{c} S\\ 3 \end{array} \right\rangle$	SINK	1-1/2"	1-1/2"	1/2"	1/2"		SINGLE COMPARTMENT - UNDER MOUNTED PREP ROOM						
$\langle WB \\ 1 \rangle$	WASHER BOX	2"	2"	1/2"	1/2"		SEE DETAIL 1/P601						
$\left< \frac{\text{IMB}}{1} \right>$	ICE MAKER BOX			1/2"	-	-							
$\left\langle \begin{array}{c} FD \\ 1 \end{array} \right\rangle$	FLOOR DRAIN	2"	1-1/2"			WITH DEEP SEAL P-TRAP AND ASSE TRAP GUARD							
$\left\langle \begin{array}{c} SD \\ 1 \end{array} \right\rangle$	SHOWER DRAIN	2"	1-1/2"				WITH DEEP SEAL P-TRAP CHROME STRAINER						
$\left\langle \frac{SH}{1} \right\rangle$	SHOWER HEAD			1/2"	1/2"		SEE SPECIFICATIONS						

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BRANCH WATER LINE SCHEDULE											
FIXTURE	FIXTURE UNITS										
WATER CLOSET	10			1	2	3	8				
LAVATORY	2	1	3	5	7	15	50				
SINK	2	1	3	5	7	15	50				
HOSE BIBB	3		1	3	5	10	33				

NOTE: MINIMUM PIPE SIZE TO ANY FIXTURE TO BE 1/2". WHERE PIPE SIZE IS SHOWN ON DRAWINGS, IT SHALL BE FOLLOWED. IN THE EVENT PIPE SIZES ARE NOT SHOWN, THE SIZE OF ANY BRANCH LINE SHALL BE DETERMINED BY USING THIS TABLE. FIND SUM OF TOTAL FIXTURE UNITS ON BRANCH LINE, THEN REDUCE TOTAL BY SUBTRACTING OFF INDIVIDUAL FIXTURE UNITS FOR EACH SUCCESSIVE FIXTURE ALONG THE BRANCH LINE.

WASTE - UNDERGROUND _____ VENT DOMESTIC COLD WATER _____ DOMESTIC HOT WATER ______ DOMESTIC HOT WATER RECIRC _____



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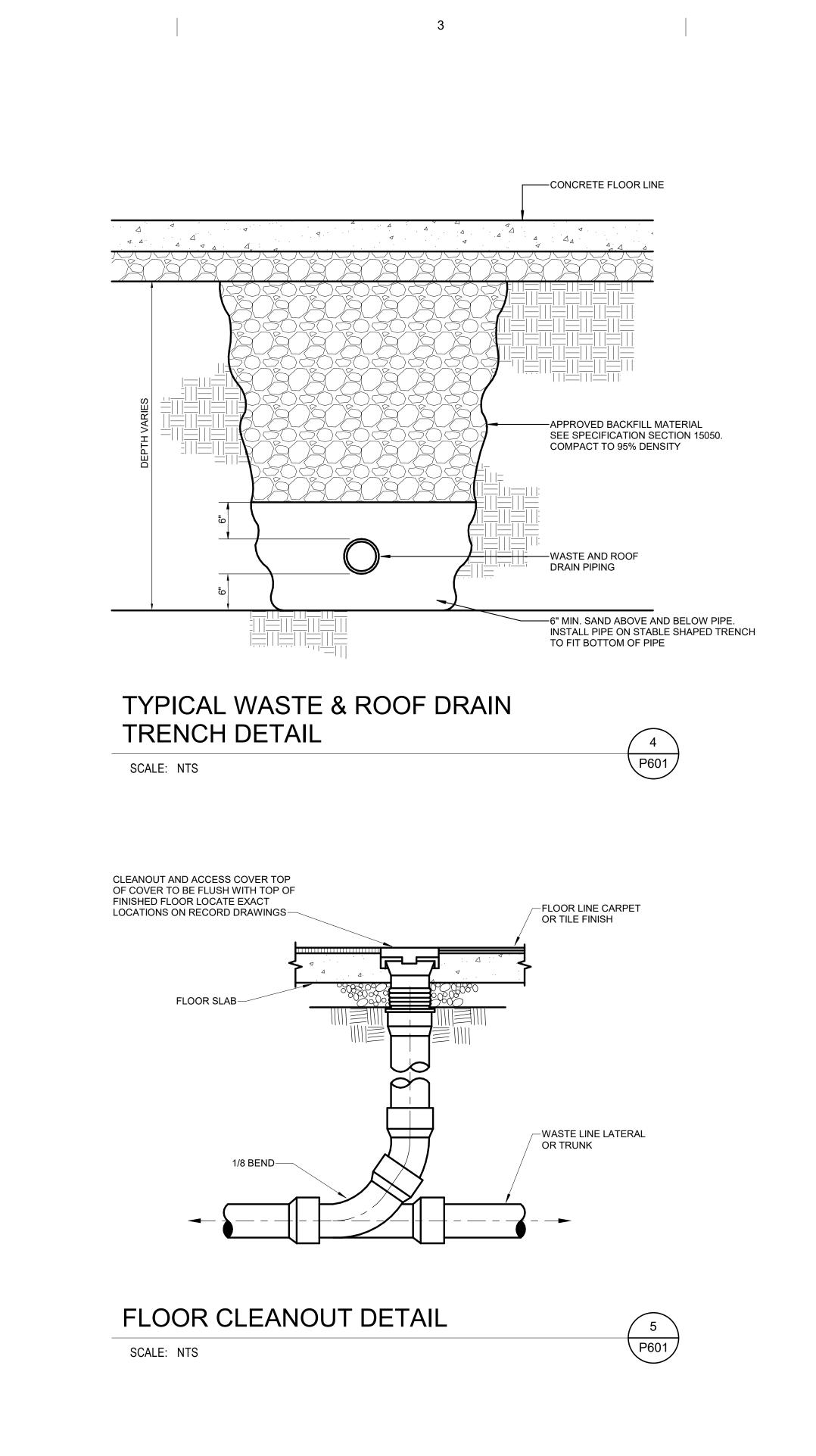
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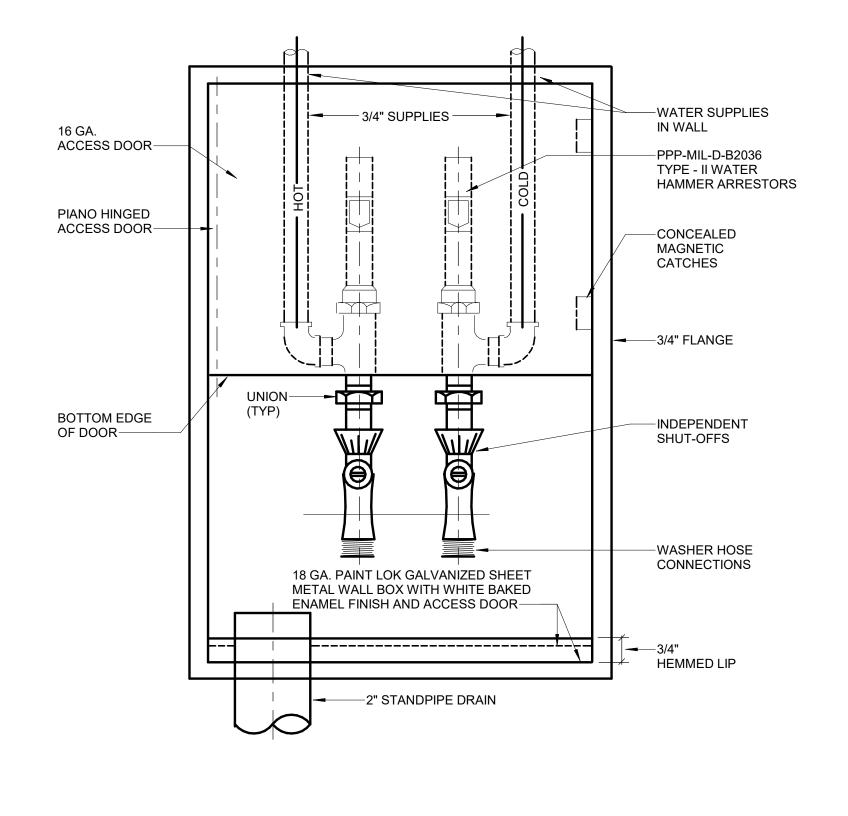




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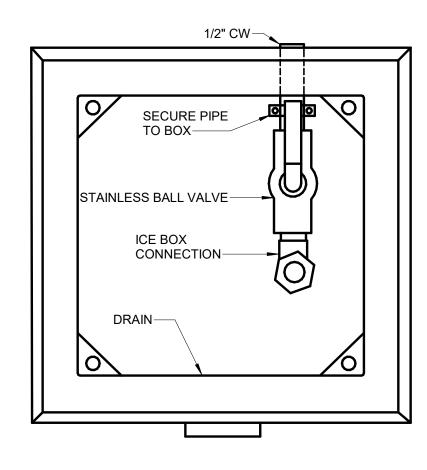








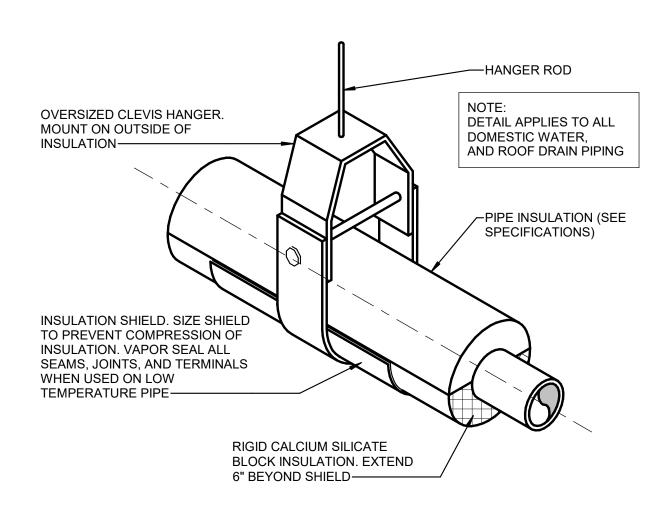
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ICE MAKER BOX PIPING DETAIL



SCALE: NTS



PIPE SUPPORT DETAIL (PLUMBING)

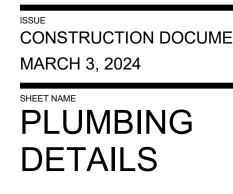


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SCALE: NTS

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CONSTRUCTION DOCUMENTS

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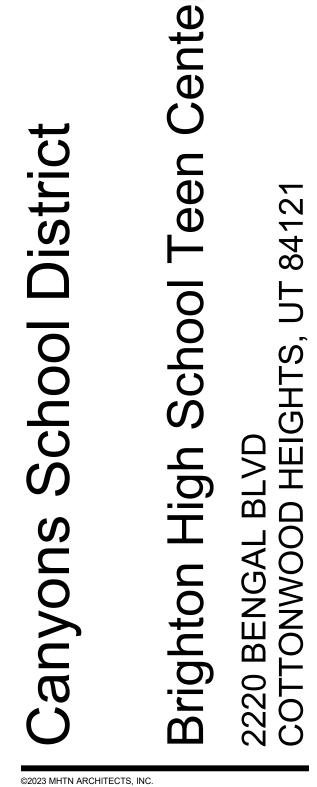
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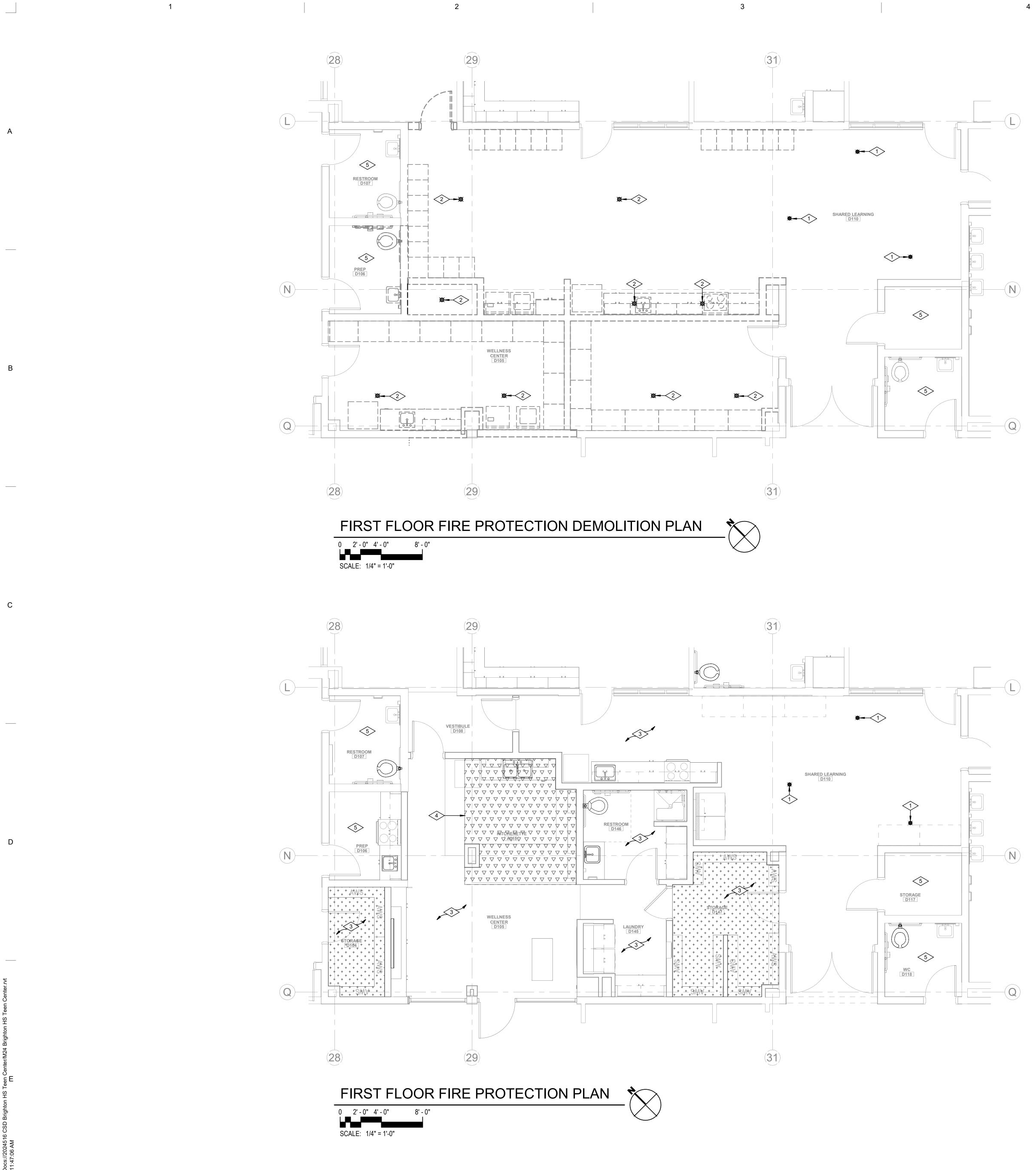


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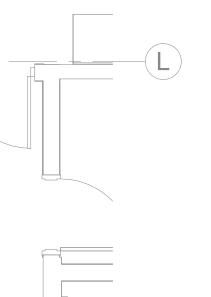
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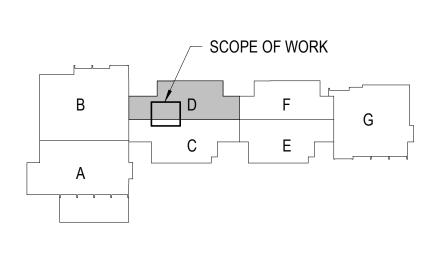
REFERENCE NOTES

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

LIGHT HAZARD $abla \land \lor \lor \lor \lor$ $\bigtriangledown \nabla \nabla \nabla \nabla \nabla$ **┌ + + + + +**

FIRE PROTECTION LEGEND

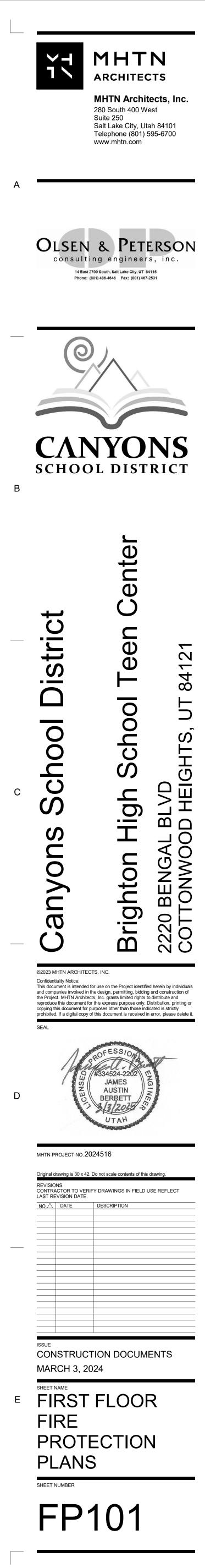
- LIGHT HAZARD LAY-IN OR GYP. BOARD CEILING (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS) CONCEALED TYPE SPRINKLER HEADS SIMILAR TO VIKING VK4621 INSTALLED TIGHT TO CEILING WITH BRIGHT WHITE COVER PLATE EXPOSED STRUCTURE & CEILING CLOUDS (VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS) PROVIDE 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
- <u>NOTE:</u> 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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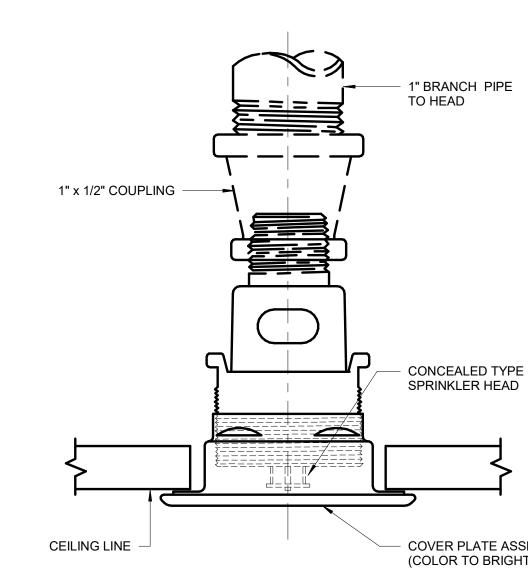
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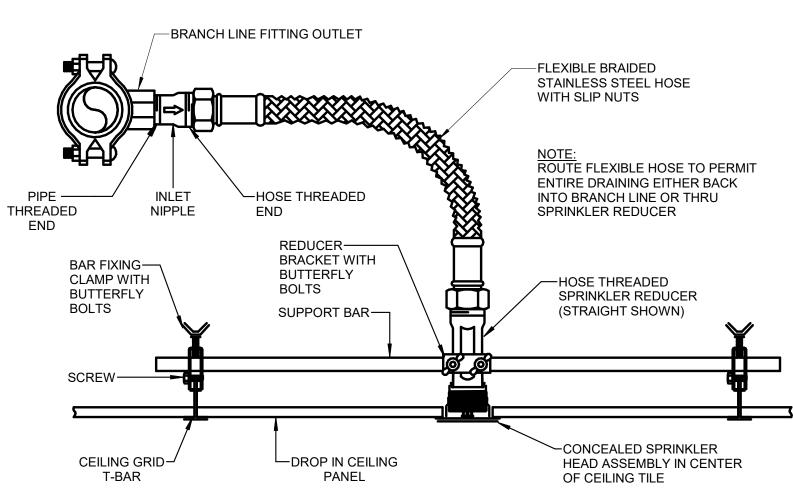
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CONCEALED SPRINKLER HEAD DETAIL

SCALE: NTS

"FOR REFERENCE ONLY"



FIRE SPRINKLER CONNECTION DETAIL

SCALE: NTS

"FOR REFERENCE ONLY"

2

COVER PLATE ASSEMBLY (COLOR TO BRIGHT-WHITE)



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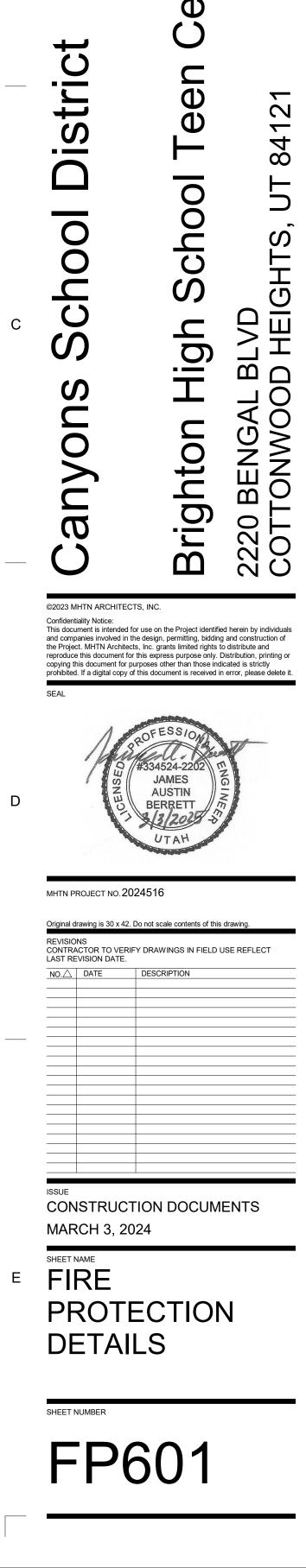


GENERAL FIRE PROTECTION NOTES

- 1. THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE HIS WORK WITH THE ELECTRICAL, SHEET METAL, PLUMBING, AND CEILING CONTRACTORS TO AVOID ANY CONFLICTS IN PIPE ROUTING OR HEAD LOCATIONS.
- 2. RUN SPRINKLING PIPING AS HIGH AS POSSIBLE IN SPACE ABOVE CEILING AND COORDINATE WITH DUCTWORK.
- 3. FIRE SPRINKLER PLANS SHALL BE APPROVED BY ALL GOVERNING AGENCIES PRIOR TO SUBMITTING PLANS TO THE ARCHITECT.
- 4. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE COMPLETE FIRE SPRINKLER SYSTEMS, INCLUDING ALL ITEMS AS REQUIRED OR RECOMMENDED BY ALL GOVERNING AGENCIES.
- 5. FIRE SPRINKLER SYSTEM SHALL COMPLY WITH N.F.P.A. 13, AND ALL GOVERNING AGENCIES.
- 6. PIPE SLEEVES THROUGH FIRERATED WALLS, PARTITIONS, AND CEILINGS SHALL BE OF FIRE RATED CONSTRUCTION. SPACE BETWEEN PIPE AND SLEEVE SHALL BE PACKED WITH FIREPROOF MATERIAL, U.L. LISTED.
- 7. FIRE SPRINKLER HEADS IN INDIVIDUAL ROOMS TO BE RUN IN STRAIGHT LINES AND COORDINATED WITH CEILING AND LIGHTS. 8. FIRE SPRINKLER CONTRACTOR SHALL COORDINATE HIS LOCATION OF
- PIPING VERY CAREFULLY WITH THE ARCHITECTURAL AND STRUCTURAL PLANS AND AS APPROVED BY THE ARCHITECT.
- 9. HEAD GUARDS TO BE PROVIDED IN ACCORDANCE WITH N.F.P.A.
- 10. FIRE SPRINKLER TEST VALVES TO BE LOCATED IN AREAS CONVENIENT TO MAINTENANCE PERSONNEL, BUT AWAY FROM PUBLIC ACCESS.
- 11. THE UTAH STATE FIRE MARSHALS OFFICE SHALL BE NOTIFIED (IN WRITING) AT LEAST THREE DAYS IN ADVANCE OF THE FOLLOWING: A. HYDROSTATIC TEST AND FINAL INSPECTION OF OVERHEAD SYSTEMS PRIOR TO INSTALLATION OF CEILINGS.
- B. FLUSHING OF UNDERGROUND PRIOR TO CONNECTION OF OVERHEAD. C. HYDROSTATIC TEST AND FINAL INSPECTION OF UNDERGROUND PRIOR TO BACKFILLING.
- 12. CONTRACTOR SHALL FIELD VERIFY ALL PIPE LOCATIONS PRIOR TO FABRICATION OF PIPE SYSTEMS.
- 13. FIRE PROTECTION DRAWINGS ARE DIAGRAMMATIC ONLY.
- 14. FIRE PROTECTION CONTRACTOR SHALL COORDINATE ROUTING, HANGING AND BRACING WITH ROOF STRUCTURE. ALL FIRE SPRINKLER PIPING SHALL COMPLY WITH THE FOLLOWING.
- A. ALL PIPING CONCENTRATED LOADS GREATER THAN 100 POUNDS SUPPORTED BY OPEN WEB STEEL JOISTS AND GIRDERS SHALL BE LOCATED WITHIN 6 INCHES OF JOIST OR GIRDER PANEL POINTS OR THE JOIST OR GIRDER SHALL BE REINFORCED WITH AN ADDITIONAL WEB MEMBER. REFER TO GENERAL STRUCTURAL NOTES AND THE "TYPICAL DETAIL AT ADDITIONAL CONCENTRATED POINT LOAD" ON THE STRUCTURAL DRAWINGS.
- B. CONCENTRATED POINT LOADS, SINGLE OR MULTIPLE, TOTALING 100 POUNDS OR LESS CAN BE LOCATED AT ANY POINT ALONG THE BOTTOM CHORD OF AN OPEN WEB JOIST OR GIRDER BETWEEN ADJACENT PANEL POINTS WITHOUT MEETING THE REQUIREMENTS ABOVE. A LIMIT OF (4) CONCENTRATED 100# MAXIMUM POINT LOADS PER JOIST OR GIRDÉR SHALL BE PERMITTED UNLESS SPECIFICALLY NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.
- C. JOIST BRIDGING SHALL NEVER BE USED TO SUPPORT HANGING LOADS. D. BRACING OF FIRE SPRINKLER PIPING TO THE BOTTOM CHORD OF
- JOISTS OR GIRDERS WILL NOT BE ALLOWED IN ANY INSTANCE. ALL LATERAL BRACES MUST CONNECT TO THE TOP FLANGE/TOP CHORD OF THE FRAMING MEMBER ABOVE UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.
- E. PIPING SHALL BE BRACED TO RESIST BOTH LATERAL AND LONGITUDINAL SEISMIC LOADS. EARTHQUAKE BRACING CALCULATIONS TO BE MADE WITH Ss VALUE IN STRUCTURAL DRAWINGS.
- F. RESTRAINTS OR LATERAL SWAY BRACES SHALL BE PROVIDED ON BRANCHLINES WHERE PIPING IS NOT SUPPORTED WITHIN 6 IN. OF THE STRUCTURE.
- 15. STEEL ROOF DECKING SHALL NOT BE USED TO SUPPORT LOADS FROM FIRE SPRINKLER ELEMENTS OR EQUIPMENT OF ANY KIND.
- 16. ALL FIRE SPRINKLER PIPING RUNNING IN OCCUPIED AREAS WITH EXPOSED STRUCTURE SHALL RUN WITH SLOPE OF ROOF DECK.
- 17. FIRE SPRINKLER CONTRACTOR SHALL COORDINATE ANY CROSSOVERS OR DROPS AT MAIN CORRIDOR TO AVOID CONFLICTS WITH SKYLIGHTS. DROPS & CROSSOVER LOCATIONS SHALL BE VERIFIED WITH PROJECT ARCHITECT PRIOR TO INSTALLATION.
- 18. ALL FIRE MAINS SHALL RUN ABOVE AREAS WITH CEILINGS. NO MAINS WILL BE ALLOWED IN OCCUPIED AREAS EXPOSED TO ROOF DECK.
- 19. IN EXPOSED AREAS THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE PIPING & HEAD LOCATIONS WITH HVAC DUCTWORK, DIFFUSERS AND ALL LIGHTING LAYOUT.
- 20. FIRE SPRINKLER HEADS IN ALL CORRIDORS SHALL BE INSTALLED AS CLOSE TO THE CENTERLINE OF THE CORRIDOR AS POSSIBLE.
- 21. FIRE SPRINKLER HEADS SHALL BE INSTALLED IN THE CENTER QUARTER PANEL OF CEILING TILES.
- 22. ALL SPRINKLER MAINS SHALL RUN THRU TRUSSES OR BETWEEN TRUSSES IN TRUSS SPACE. INSTALLING MAINS BELOW BOTTOM CHORD OF TRUSSES WILL NOT BE ALLOWED. 23. FIRE SPRINKLER CONTRACTOR SHALL CAREFULLY COORDINATE SPRINKLER
- SYSTEM WITH ARCHITECTURAL REFLECTED CEILING PLANS FOR VARIATIONS IN CEILING TYPE AND CEILING ELEVATION CHANGES. 24. WHERE RISERS ROOMS CONTAIN A MANIFOLD WITH MORE THAN ONE RISER,
- EACH SYSTEM SHALL HAVE A SEPARATE CHECK VALVE, BUTTERFLY VALVE, FLOW SWITCH, TEST & DRAIN ASSEMBLY AND PRESSURE GAUGE. 25. ALL FIRE HEADS AT CORRIDORS SHALL BE LOCATED AT CENTER OF TILE.
- 26. ALL FIRE HEADS AT CLASSROOM AND ADMINISTRATION AREAS SHALL BE LOCATED AT CENTER OF TILE AND 1/4 POINTS.
- 27. FIRE DEPARTMENT CONNECTION SHALL BE A DUPLEX TYPE WITH LOCKING KNOX CAPS PER WSD STANDARDS AND LOCAL FIRE AUTHORITY REQUIREMENTS.

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consulting engineers 14 East 2700 South, Salt Lake City, UT 84115 Phone: (801) 486-4646 Fax: (801) 467-2531



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	IP SURVEILLANCE CAMERA - SEE CAME	RASURVEILL	ANCE TYPF	10.110	0.45	
	SCHEDULE			AS NOTED	9. 10. 1	
NVR	NETWORK VIDEO RECORDER / SERVER	R		DOOR	12.	
DC	ACCESS CONTROL DOOR / WINDOW SW	CESS CONTROL DOOR / WINDOW SWITCH / CONTACT				
DC	SPECIALIZED SWITCH / CONTACT (GARAGE DOOR, ROOF ACCESS DOOR)	(HATCH)			12.	
XXXXX	DR=DOOR RELEASE, LD=LOCKDOWN, F DB=DURESS / PANIC: T=TRANSMITTER, R=RECEIVER, H=HAR	PE=PUSH TO E	XIT,		12.	
	, INTRUSION MOTION DETECTOR SOLID - WALL MOUNTED, DASHED = CE				12.	
GB (GB)					12.	
			BE		12.	
PI	INTRUSION DETECTION POP-IT MODULE				12.	
KP	INTRUSION DETECTION KEYPAD (ARM/I				12.	
	IP TWO-WAY AUDIO & VIDEO INTERCOM	,				
	(ANSWERING BASE STATION & DOOR S	,			12.	
	ELECTROMAGNETIC LOCK (MAG LOCK) SMOKE & C/O DETECTOR COMBO:				8. 12.	
$\langle sc \rangle \langle sc \rangle$	SOLID = WALL MOUNTED, DASHED = CE	ILING			12.	
SH (SH)	SMOKE & HEAT DETECTOR COMBO: SOLID = WALL MOUNTED, DASHED = CE	ILING			12.	
ABBREV. # AC	DESCRIPTION NUMBER ALTERNATING CURRENT	ABBREV. MH MIC	MANHOLE MICROPHOI	DESCRIPT	TION	
A.F.F.	ABOVE FINISH FLOOR	MIN	MINIMUM			
AIC AM	AMPS INTERRUPTING CAPACITY AMPS METER	MTG MTR	MOUNTING MOTOR			
AMP	AMPERE	N/A	NOT APPLIC	ABLE		
ANN		NC	NORMALLY			
ATS AUX	AUTOMATIC TRANSFER SWITCH AUXILIARY	NEC NEMA	-	ELECTRICAL CO		
AWG	AMERICAN WIRE GAUGE	NFPA	NATIONAL FIRE PROTECTION ASSOC.			
BC BFG	BARE COPPER BELOW FINISH GRADE	N.I.C. NO	NOT IN CONTRACT NORMALLY OPENED			
C	CONDUIT	NTS	NOT TO SCALE			
CAB		OS & Y PB	OUTSIDE SCREW & YOKE PUSHBUTTON			
CATB CATV	COMMUNITY ANTENNA TELEVISION CABLE TELEVISION	PB PF	POWER FACTOR			
СКТ	CIRCUIT	PFR	PHASE FAILURE RELAY			
CLG CNTR	CEILING CONTRACTOR	PNL PT	PANEL POTENTIAL TRANSFORMER			
C.O.	CONDUIT ONLY	PVC		CHLORIDE CO		
CRT CT	COMPUTER TERMINAL CURRENT TRANSFORMER	(R) RECEP	RELOCATE RECEPTACI	F		
CU	COPPER	REQ	REQUIREME			
C/W		RLA	RATED LOA			
DB DC	DECIBEL DIRECT CURRENT	RMP RMS	ROCKY MOU ROOT MEAN	JNTAIN POWEF	{	
DWG	DRAWING	SE	SERVICE EN			
(E) EC	TO REMAIN, UNLESS OTHERWISE NOTES EMPTY CONDUIT	SPEC SPKR	SPECIFICAT SPEAKER	TIONS		
EG	EMERGENCY GENERATOR	SPKR	SPEAKER SELECTOR	SWITCH		
EMT	ELECTRICAL METALLIC TUBING	SW	SWITCH			
EX	EXPLOSION PROOF FIRE ALARM CONTROL PANEL	SWBD SWGR	SWITCHBOA SWITCHGEA			
FACP					ARD	
FACP FC	FOOT CANDLE	ттв	TELEPHONE	TELEPHONE TERMINAL CABINET		
FACP FC FT	FOOT CANDLE FOOT	TTC	TELEPHONE	E TERMINAL CA	BINEI	
FACP FC	FOOT CANDLE			E TERMINAL CA	ABINE I	
FACP FC FT GFI GND GRC	FOOT CANDLE FOOT GROUND FAULT INTERRUPTER GROUND GALVANIZED RIGID CONDUIT	TTC TV TYP UG	TELEPHONE TELEVISION TYPICAL UNDERGRO	E TERMINAL CA		
FACP FC FT GFI GND	FOOT CANDLE FOOT GROUND FAULT INTERRUPTER GROUND	TTC TV TYP	TELEPHONE TELEVISION TYPICAL UNDERGRO	E TERMINAL CA I JUND IPTED POWER		
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FACP FC FT GFI GND GRC HP HZ IFC IG IG IMC IN J-BOX	FOOT CANDLE FOOT GROUND FAULT INTERRUPTER GROUND GALVANIZED RIGID CONDUIT HORSE POWER HERTZ INTERNATIONAL FIRE CODE ISOLATED GROUND INTERMEDIATE METALLIC CONDUIT INCH JUNCTION BOX	TTC TV TYP UG UPS V VA/R VA/R VM W W W/	TELEPHONE TELEVISION TYPICAL UNDERGRO UNINTERRL VOLT (KV-KI VOLT-AMPS VOLT METE WATTS WITH WATTHOUR	E TERMINAL CA I IUND IPTED POWER ILOVOLT) /REACTIVE R		
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FACP FC FT GFI GND GRC HP HZ IFC IG IMC IN J-BOX KV	FOOT CANDLE FOOT GROUND FAULT INTERRUPTER GROUND GALVANIZED RIGID CONDUIT HORSE POWER HERTZ INTERNATIONAL FIRE CODE ISOLATED GROUND INTERMEDIATE METALLIC CONDUIT INCH JUNCTION BOX KILOVOLT	TTC TV TYP UG UPS V VA/R VA/R VM W W W/	TELEPHONE TELEVISION TYPICAL UNDERGRO UNINTERRL VOLT (KV-KI VOLT (KV-KI VOLT-AMPS VOLT METE WATTS WITH WATTHOUR WITHOUT	E TERMINAL CA		
FACP FC FT GFI GND GRC HP HZ IFC IG IMC IN J-BOX KV KVA KVA KVA KVAR	FOOT CANDLE FOOT GROUND FAULT INTERRUPTER GROUND GALVANIZED RIGID CONDUIT HORSE POWER HERTZ INTERNATIONAL FIRE CODE ISOLATED GROUND INTERMEDIATE METALLIC CONDUIT INCH JUNCTION BOX KILOVOLT KILOVOLT KILOVARS KILOVARS	TTC TV TYP UG UPS V VA/R VM W W W/ WH W/O WH W/O WP XFMR XFMR SW	TELEPHONE TELEVISION TYPICAL UNDERGRO UNINTERRL VOLT (KV-KI VOLT AMPS VOLT METE WATTS WITH WATTHOUR WITHOUT WEATHERP TRANSFORI TRANSFER	E TERMINAL CA		
FACP FC FT GFI GND GRC HP HZ IFC IG IG IMC IN J-BOX KV KVA KVAR	FOOT CANDLE FOOT GROUND FAULT INTERRUPTER GROUND GALVANIZED RIGID CONDUIT HORSE POWER HERTZ INTERNATIONAL FIRE CODE ISOLATED GROUND INTERMEDIATE METALLIC CONDUIT INCH JUNCTION BOX KILOVOLT KILOVOLT AMPERES KILOVARS	TTC TV TYP UG UPS V VA/R VM W W W/ WH W/O WP XFMR	TELEPHONE TELEVISION TYPICAL UNDERGROUUNINTERRU VOLT (KV-KI VOLT-AMPS VOLT METE WATTS WITH WATTHOUR WITHOUT WEATHERP TRANSFORI	E TERMINAL CA		
FACP FC FT GFI GND GRC HP HZ IFC IG IMC IN J-BOX KV KVA KVA KVA KVA KVA KVA LTG MNF	FOOT CANDLE FOOT GROUND FAULT INTERRUPTER GROUND GALVANIZED RIGID CONDUIT HORSE POWER HERTZ INTERNATIONAL FIRE CODE ISOLATED GROUND INTERMEDIATE METALLIC CONDUIT INCH JUNCTION BOX KILOVOLT KILOVOLT KILOVOLT AMPERES KILOVARS KILOVARS LIGHTING MANUFACTURER	TTC TV TYP UG UPS V VA/R VM W W/ W/ WH W/O WP XFMR XFMR SW XP 1P 2P	TELEPHONE TELEVISION TYPICAL UNDERGROUUNINTERRU VOLT (KV-KI VOLT (KV-KI VOLT-AMPS VOLT METE WATTS WITH WATTHOUR WITHOUT WEATHERP TRANSFORI TRANSFER EXPLOSION SINGLE-PH/ TWO-POLE	E TERMINAL CA		
FACP FC FT GFI GND GRC HP HZ IFC IG IMC IMC IN J-BOX KV KVA KVA KVA KVA KVA KVA LRA LTG	FOOT CANDLE FOOT GROUND FAULT INTERRUPTER GROUND GALVANIZED RIGID CONDUIT HORSE POWER HERTZ INTERNATIONAL FIRE CODE ISOLATED GROUND INTERMEDIATE METALLIC CONDUIT INCH JUNCTION BOX KILOVOLT KILOVOLT AMPERES KILOVARS KILOVARS KILOVARS LICKED ROTOR AMPS	TTC TV TYP UG UPS V VA/R VM W W/ W/ WH W/O WH W/O WP XFMR XFMR SW XP 1P	TELEPHONE TELEVISION TYPICAL UNDERGROUUNINTERRL VOLT (KV-KI VOLT-AMPS VOLT METE WATTS WITH WATTHOUR WITHOUT WEATHERP TRANSFORI TRANSFER EXPLOSION SINGLE-PH/	E TERMINAL CA		

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GENERAL	NOTES

- CONSULT ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES. VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH IN. CONSULT ALL APPLICABLE CONTRACT DRAWINGS AND SHOP DRAWINGS TO INSURE NEC CODE CLEARANCES REQUIRED AROUND ALL ELECTRICAL EQUIPMENT.
- CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENTS, ETC) OF ALL EQUIPMENT FURNISHED UNDER ALL DIVISIONS, INCLUDING ALL EXISTING EQUIPMENT TO BE RE-USED. REVIEW ALL SHOP DRAWINGS AND EXISTING EQUIPMENT BEFORE BEGINNING ROUGH-IN. SEE SECTION 265100 (16510) OF THE SPECIFICATION FOR REQUIRED COORDINATION MEETINGS WITH
- MECHANICAL AND CEILING CONTRACTORS. SEE APPLICABLE SHOP DRAWINGS FOR ROUGH IN LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC.
- WHERE APPLICABLE MOUNT ALL WIRING DEVICES ABOVE BACK SPLASH EXCEPT THOSE SERVING UNDER COUNTER EQUIPMENT.
- SEE SPECIFICATION FOR ENERGY SAVING LAMP AND BALLAST REQUIREMENTS. FINISHES OF ALL LIGHT FIXTURES SHALL BE AS SELECTED BY ARCHITECT.

SECURITY ELECTROMAGNETIC DOOR HOLDER

INTRUSION DETECTION DOOR / WINDOW CONTACT

ACCESS CONTROL REQUEST TO EXIT MOTION

ACCESS CONTROL CREDENTIAL CARD READER

INTEGRATED LOCKSET WITH CREDENTIAL CARD READER

ACCESS CONTROL SYSTEM HEAD-END CONTROL PANEL

ACCESS CONTROL CREDENTIAL CARD READER WITH KEYPAD

INTRUSION DETECTION SYSTEM HEAD-END CONTROL PANEL

POWER SUPPLY PANEL FOR ELECTRIFIED DOOR HARDWARE

ELECTRIFIED EXIT RIM DEVICE (CRASH BAR)

ACCESS CONTROL BIOMETRIC READER

ELECTRIFIED DOOR STRIKE

ELECTRIFIED DOOR LOCK

KEY OVERRIDE SWITCH

SECURITY WORKSTATION

EQUIPMENT

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- THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE MECHANICAL CONTRACTOR SUCH THAT NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO THE OPERATION OF THE ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THRU ELECTRICAL ROOMS OR SPACES, OR ABOVE OR BELOW ELECTRICAL EQUIPMENT IN OTHER AREAS.
- ELECTRICAL BOXES SHALL NOT BE LOCATED IN MASONRY COLUMNS IN BRICK WALLS OR IN GROUTED CELLS ADJACENT TO OPENINGS. COORDINATE LOCATION OF BOXES WITH MASONRY CONTRACTOR.
- 0. ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED.
- 1. CONTRACTOR SHALL VERIFY FURNITURE LAYOUT PRIOR TO ANY FLOORBOX OR POKE-THRU INSTALLATION. COORDINATE EXACT LOCATION OF FLOOR BOX OR POKE-THRU WITH OWNER AND FURNITURE PROVIDER PRIOR
- TO ROUGH-IN. 2. CIRCUITS EXTENDING OVER 70' FOR 120 VOLT AND 115' FOR 277 VOLT 20 AMP CIRCUITS SHALL BE RUN WITH
- 20 AMP MINIMUM BRANCH CIRCUIT CONDUCTOR SIZING

	RANCH CIRCUIT CONDUC	I OR SIZING
MAXIMUM LENGTH	BRANCH CIF	RCUIT VOLTAGE
CONDUCTOR LENGTH (FT)	120 VOLT	277 VOLT
<70	MIN. #12 AWG	MIN. #12 AWG
70 - 115	MIN. #10 AWG	MIN. #12 AWG
115 - 170	MIN. #8 AWG	MIN. #10 AWG
170 - 270	MIN. #6 AWG	MIN. #8 AWG
271 - 380	NOTE B	MIN. #8 AWG
>380	NOTE B	NOTE B

- A. THESE ARE BASED ON MAXIMUM LENGTH OF CIRCUIT.
- B. PERFORM VOLTAGE DROP CALCULATIONS AND PROVIDE CONDUCTOR SIZE TO KEEP BRANCH CIRCUIT VOLTAGE DROP LESS THAN 3% WITH A 15 AMP LOAD. C. CONTRACTOR SHALL ENSURE THAT THE INSTALLATION OF EACH BRANCH CIRCUIT STAYS WITHIN 3% VOLTAGE DROP FOR A 15 AMP LOAD. IF NECESSARY CONTRACTOR SHALL
- INCREASE WIRE AND CONDUIT SIZE TO MEET THE STANDARD AT NO ADDITIONAL COST TO OWNER

SHEET INDEX

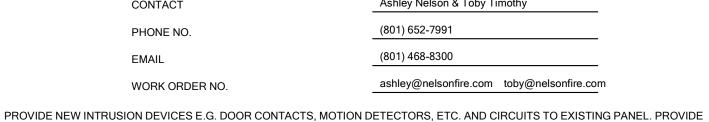
ELECTRICAL SYMBOLS AND NOTES

CONDUCTORS PER TABLE BELOW.

- OVERALL ELECTRICAL PLAN
- ELECTRICAL DEMOLITION PLANS
- TEEN CENTER LIGHTING FLOOR PLAN
- TEEN CENTER ELECTRICAL FLOOR PLAN
- ELECTRICAL DIAGRAMS ELECTRICAL DIAGRAMS
- **EXISTING SYSTEMS INFORMATION AND VENDOR CONTACTS** (INCLUDE WITHIN BID)

BIDDING DIVISION 26 CONTRACTOR RESPONSIBLE FOR EXPANDING EXISTING SYSTEMS FOR THIS REMODEL PROJECT.

INTERCOM SYSTEM - COMPANY	EXISTING RAULAND TCU SYSTEM MARSHALL INDUSTRIES
CONTACT	Dustin McCleve
CELL PHONE NO.	(801) 870-1475
OFFICE PHONE NO.	(801) 266-2428
EMAIL	dustin.mccleve@marshallind.com
EQUIPMENT, ETC. AND CIRCUITS TO EXISTING RA	AS NEEDED. PROVIDE NEW CEILING SPEAKERS, CALL SWITCHES,MODULES, CK AS REQUIRED. MATCH SYSTEM WIRING. UPDATE PROGRAMMING.
FIRE ALARM SYSTEM COMPANY	- EXISTING GAMEWELL FCI E3 SYSTEM
CONTACT	Ashley Nelson & Toby Timothy
PHONE NO.	(801) 652-7991
EMAIL	(801) 468-8300
WORK ORDER NO.	ashley@nelsonfire.com toby@nelsonfire.com
EXTEND EXISTING FIRE ALARM INTIATION/NOTIFIC MATCH SYSTEM WIRING. UPDATE PROGRAMMING	CATION CIRCUITS TO ACCOMMODATE NEW FIRE ALARM DEVICES AS REQUIRED. G.
ACCESS CONTROL S	YSTEM - EXISTING LENEL SYSTEM
COMPANY	STONE SECRUITY
CONTACT	Joey Edmunds
PHONE NO.	(801) 901-8115
EMAIL	(877) 888-0129
WORK ORDER NO.	joey@stonesecurity.com
PROVIDE CARD READERS AND ACCESS CONTROL REQUIRED. UPDATE PROGRAMMING.	CIRCUITS AS REQUIRED. PROVIDE NEW MODULE CARDS AND ASSOCIATED EQUI
INTRUSION SYSTEM -	EXISTING BOSCH INTRUSION SYSTEM
COMPANY	NELSON FIRE
CONTACT	Ashley Nelson & Toby Timothy
	(801) 652-7991



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EMAIL

NEW MODULE CARDS AS REQUIRED. UPDATE PROGRAMMING.

STANDARD MO	UNT
GENERAL	
SYMBOL	۵
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NOTES:

AS NOTED 8. 12.

DOOR JAMB 8. 12.

DOOR JAMB 8. 12.

+46" 1. 12.

+46" 1. 12.

+46" 1. 12.

+46" 1. 12.

8. 12.

8. 12.

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DOOR JAMB 12.

MULTIPLE SYS	STEM SYMBOLS					
$\langle R \rangle$	RECEPTACLE SWITCH PACK	ABOVE CEILING	JF	JUNCTION BOX ('F' IN FLOOR)	AS NOTED	
-	DUPLEX RECEPTACLE UPPER OUTLET SWITCH CONTROLLED	+18" OR AS NOTED 2. 9.		MOTOR OUTLET	TO SUIT EQUIP.	2.
-	SIMPLEX RECEPTACLE	+18" OR AS NOTED 2. 9.		PUSHBUTTON	+46"	2.
\Rightarrow	DUPLEX RECEPTACLE	+18" OR AS NOTED 2. 9. 11.		NON-FUSED DISCONNECT SWITCH	+60"	5. 6.
\Rightarrow_{A}	DUPLEX RECEPTACLE	9.	F	FUSED DISCONNECT SWITCH	+60"	5. 6.
⇒ _G	5mA GFCI CIRCUIT BREAKER PROTECTED RECEPTACLE	13.	В	BREAKER DISCONNECT SWITCH	+60"	5. 6.
I WP	WEATHERPROOF RECEPTACLE	+24" OR AS NOTED 2. 9.	\$	SINGLE POLE SWITCH	+46"	2. 4.
	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE	+18" OR AS NOTED 2. 9.	\$ ^T	MANUAL STARTER THERMAL OVERLOAD SWITCH WITH PILOT LIGHT	+46"	2.
=	DUPLEX RECEPTACLE EMERGENCY POWER (RED)	+18" OR AS NOTED 2. 9. 11.		MAGNETIC STARTER	+60"	6. 7.
\Rightarrow	FOURPLEX RECEPTACLE	+18" OR AS NOTED 2. 9. 11.		MAGNETIC STARTER / DISCONNECT COMBINATION	+60"	6. 7.
-	GROUND FAULT INTERRUPTER FOURPLEX RECEPT	+18" OR AS NOTED 2. 9.	VFD	VARIABLE FREQUENCY DRIVE	+66"	6.

LIGHTING	
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POWER - ALL 1	20V RECEPTACLES SHALL BE CONSIDERED TAMPERPROOF							
	ISOLATED GROUND RECEPTACLE	+18" OR AS NOTED	2. 9.	(J	PLUGMOLD	+46" OR AS NOTED	2. SEE SPEC.
Ψu	DUPLEX RECEPTACLE WITH USB OUTLET	+18" OR AS NOTED	2. 9.		DP	FLAT PANEL DISPLAY WALL BOX TVSS RECEPT., DATA AND OTHER DEVICES, REFER TO DIAGRAMS	AS NOTED	SEE DIAGRAM, SPEC. 26 2726
=©	CONTROLLED DUPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.		CP	CEILING PROJECTION SYSTEM CEILING BOX	ABOVE CEILING	SEE DIAGRAM, SPEC.
-	FOURPLEX RECEPTACLE EMERGENCY POWER (RED)	+18" OR AS NOTED	2. 9. 11.			DOORBELL CHIME	+90"	2.
Ę	CONTROLLED FOURPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.		FB	FLOOR BOX - SEE SCHEDULE	FLOOR	SEE DIAGRAM, SPEC.
	TVSS PROTECTED RECEPTACLE	+18" OR AS NOTED	2. 9.		PT	POKE THRU - SEE SCHEDULE	FLOOR	SEE DIAGRAM, SPEC.
	SPECIAL PURPOSE OUTLET	+18" OR AS NOTED	2. 10. W/ CAP.			PANELBOARD	+72"	6.
G	CORD DROP		SEE DIAGRAM			MAIN DISTRIBUTION PANEL		
	CORD REEL		SEE DIAGRAM			TELEPHONE DEMARCATION BOARD		
=①=	TOMBSTONE RECEPTACLE				ĊĿĠ	EQUIPMENT CEILING RACK	CEILING	
	POWER POLE					EQUIPMENT 4-POST RACK / CABINET	AS NOTED	18. SEE SPEC.
EV EVI	SINGLE / DUAL PORT ELECTRICAL VEHICLE CHARGER					EQUIPMENT 2-POST RACK	AS NOTED	18. SEE SPEC.
M	UTILITY METER / CT CABINET	+72"	6.					

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	DAT
	DAT
X	DAT
	TEL

FIRE ALARM	
	BEL
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F	FIRE
Н	FIRE
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Цн	CON
E	FIRE
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S	FIRE
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К	FIRE
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Οv	ASP
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SYMBOL LEGEND

- 5. NEMA TYPE 'ND' NON-FUSED UNLESS NOTED 'F' (FUSED). USE 'HD' 480 V. 6. HEIGHT MEASURED TO TOP OF THE BOX FROM FINISHED FLOOR.
- 7. PROVIDE H.O.A. AND S.S. PUSHBUTTONS AS REQUIRED. 8. DOUBLE ARROWS INDICATES A DOUBLE FACE UNIT. 9. DEVICES NOTED WITH AN 'A' INDICATE TO COORDINATE WITH MILLWORK SHOP
- DRAWINGS AND ELEVATIONS FOR HEIGHT. 10. SUBSCRIPT INDICATES NEMA CONFIGURATION.
- 11. SOLID BOX AROUND DEVICE INDICATES INSTALLED IN FLOOR. DASHED BOX AROUND DEVICE INDICATES INSTALLED IN CEILING.
- 12. COORDINATE WITH DOOR HARDWARE SUPPLIER. 13. FOR WATER COOLER LOCATION, SEE DIAGRAM R002. FOR ALL OTHER LOCATIONS,
- MOUNT AT +16" TO BOTTOM OF BOX FROM FINISHED FLOOR, OR AS NOTED. 14. ARROWS SHOWN ON DEVICE INDICATE AIMING DIRECTION. 15. CAMERA NUMBERS ARE SHOWN INSIDE THE CAMERA SYMBOL. CAMERA TYPES ARE
- INDICATED IN TAG. 16. MOUNT ON TRACK OF OVERHEAD DOOR, 6" FROM TOP OF DOOR, UNLESS OVERHEAD DOOR IS A ROLL UP DOOR, THEN MOUNT PER MANUFACTURER'S INSTRUCTIONS.
- 17. INSTALL DEVICES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. 18. DASHED LINE INDICATES EQUIPMENT CLEARANCES. ARROW INDICATES FRONT OF RACK. 19. SPEAKER TO BE MOUNTED IN HORIZONTAL POSITION. 20. MOUNTING HEIGHT IS TO BOTTOM OF DISPLAY.
- *TYPICAL SYMBOL SCHEDULE. SOME SYMBOLS MAY NOT BE USED ON THIS SET OF DRAWINGS.

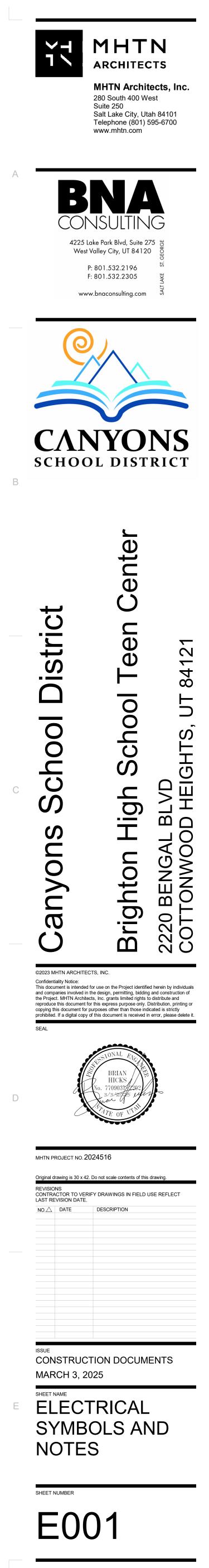
NTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS

DESCRIPTION	MOUNTING HEIGHT	NOTES		SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
ONE CIRCUIT, HOME RUN TO PANEL					EQUIPMENT PANEL, SEE DRAWINGS	+72"	6.
2 CIRCUIT, HOME RUN TO PANEL					CABLE TRAY	AS NOTED	
3 CIRCUIT, HOME RUN TO PANEL				J	GROUND BUS BAR	+18"	6.
CONDUIT RUN CONCEALED IN WALL OR CEILING				X	LIGHT FIXTURE (LETTER DESIGNATES TYPE)		
CONDUIT RUN CONCEALED IN FLOOR OR GROUND				$\langle X \\ X \rangle$	EQUIPMENT NUMBER		
CONDUIT UP				Х	ARCHITECTURAL ROOM NUMBER		
CONDUIT DOWN				X	DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE		
CONDUIT STUB LOCATION	CAP CONDUIT		1	X	DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE / LEGEND		
CONDUIT / CIRCUIT CONTINUATION			1				

CEILING LIGHT FIXTURE	CEILING	1.	PP	POWER PACK	ABOVE CEILING	SEE DIAGRAM, SPEC.
WALL LIGHT FIXTURE	AS NOTED	1.	RCX	DIGITAL ROOM CONTROLLER (SUBSCRIPT INDICATES NUMBER OF RELAYS)	ABOVE CEILING	SEE DIAGRAM, SPEC.
RECESSED DOWNLIGHT FIXTURE	CEILING	1.	EP	EMERGENCY LIGHTING CONTROL UNIT	ABOVE CEILING	SEE DIAGRAM, SPEC.
RECESSED WALL-WASH DOWNLIGHT FIXTURE	CEILING	1.	\$ ³	THREE-WAY SWITCH	+46"	2. 4.
LIGHT FIXTURE	AS NOTED	1.	\$ ⁴	FOUR-WAY SWITCH	+46"	2. 4.
EGRESS LIGHT FIXTURE	AS NOTED	1.	\$ ^K	KEY OPERATED SWITCH	+46"	2. 4.
AREA LIGHT POLE AND FIXTURE POST TOP LIGHT POLE AND FIXTURE	CONCRETE BASE	1. 14. SEE DIAGRAM	۱ \$ ^P	SWITCH WITH PILOT LIGHT	+46"	2. 4.
BOLLARD	CONCRETE BASE	1. 14. SEE DIAGRAM	\$ [₽]	VARIABLE INTENSITY SWITCH	+46"	2. 4.
STEP LIGHT FIXTURE	AS NOTED	1.	\$ TM	TIMER SWITCH	+46"	2. 4.
IN-GRADE LIGHT FIXTURE	CONCRETE BASE	1.	\$	MOMENTARY CONTACT SWITCH	+46"	2. 4.
FLOOD OR TRACK FIXTURE	AS NOTED	1.	X	LOW VOLTAGE WALLSTATION (SUBSCRIPT INDICATES CONFIGURATION & CONTROL SEQUENCE)	+46"	2. SEE DIAGRAM, SPEC.
CEILING / WALL MOUNTED EXIT LIGHT	CEILING/ AS NOTED	1. 3. 8.		DUAL TECH. CEILING MOUNTED OCCUPANCY SENSOR (PROVIDE WITH ALL PP AND ROOM CONTROLLERS)	CEILING	SEE DIAGRAM, SPEC.
EMERGENCY LIGHT FIXTURE	AS NOTED	1.	H	DUAL TECH. WALL MOUNTED OCCUPANCY SENSOR (SUBSCIPT D = DIMMING AND DAYLIGHT CONTROL)	+46"	2. 4. SEE DIAGRAM, SPEC.
COMBO EXIT / EMERGENCY LIGHT FIXTURE	AS NOTED	1.	P	PHOTO-ELECTRIC CONTROL (LOCATE ON ROOF, FACE NORTH)	AS NOTED	MOUNT AS PER MFR.
TIME CLOCK	+60"	2.		DIGITAL DAYLIGHT SENSOR	CEILING	SEE DIAGRAM,

TIONS					
ALL PHONE	+60" OR AS NOTED 2.	WAP WAP	WIRELESS ACCESS POINT, TWO CABLES SOLID = WALL, DASHED = CEILING	WALL / CEILING	11.
ATA OUTLET, ONE CABLE	+18" OR AS NOTED 2. 9. 11.	SPL	SPLITTER	ABOVE CEILING	
ATA OUTLET, TWO CABLES	+18" OR AS NOTED 2. 9. 11.	VIA	VIA	ABOVE CEILING	
ATA OUTLET, THREE CABLES	+18" OR AS NOTED 2. 9. 11.	BDA	FIBER BDA	ABOVE CEILING	
ATA OUTLET, "X" INDICATES QUANTITY	+18" OR AS NOTED 2. 9. 11.	ANTXX	ANTENNA PS = PUBLIC SAFETY, COM = CELLULAR/COMMERCIAL	CEILING	
ELEVISION OUTLET	+18" OR AS NOTED 9. 11.				

BELL	+94"	2.		SMOKE DETECTOR	CEILING	
CHIME / STROBE	+94" / CEILING	2.		SMOKE/CARBON MONOXIDE DETECTOR	CEILING	
FIRE ALARM MANUAL STATION	+46"	2.	⊚ _c	CARBON MONOXIDE DETECTOR	CEILING	
FIRE ALARM SIGNAL HORN / STROBE	+94" / CEILING	2.	Ю _н	HEAT DETECTOR	CEILING	
CONCEALED FIRE ALARM HORN / STROBE	CEILING		© _D	DUCT SMOKE DETECTOR		MTD. IN DUC
CONCEALED FIRE ALARM HORN / STROBE WALL	+94"	2.	D	FIRE/SMOKE DAMPER		
FIRE ALARM SPEAKER / STROBE	+94" / CEILING	2.	\bigcirc	DOOR HOLDER	AS NOTED	
CONCEALED FIRE ALARM SPEAKER / STROBE	CEILING		FS	FLOW SWITCH		
CONCEALED FIRE ALARM SPEAKER / STROBE WALL	+94"	2.	TS	TAMPER SWITCH		
FIRE ALARM STROBE	+94" / CEILING	2.	WF	WATER FLOOD INDICATOR		
CONCEALED FIRE ALARM STROBE	CEILING		$\widehat{\bigotimes}$	O.S. & Y. VALVE		SEE DIAGRAM
CONCEALED FIRE ALARM STROBE WALL	+94"	2.	R	FIRE ALARM RELAY OR SECURITY RELAY		
FIRE ALARM SPEAKER ONLY	+94" / CEILING	2.	СМ	FIRE ALARM CONTROL MODULE		
FIRE ALARM STROBE WITH BLUE COLORED LENS (CO VISUAL ALARM)	+94" / CEILING	2.	MM	FIRE ALARM MONITOR MODULE		
FIRE ALARM ANNUNCIATOR PANEL	+58"	2. SEE DIAGRAM	TWZ	TWO-WAY COMMUNICATION SYSTEM CONTROL PANEL	+46"	2.
ASPIRATING SMOKE DETECTION SYSTEM	CEILING	MOUNT AS PER MFR.	TW	TWO-WAY COMMUNICATION SYSTEM CALL STATION	+46"	2.
BEAM DETECTOR		MOUNT AS PER MFR.	R	FIRE ALARM RELAY		

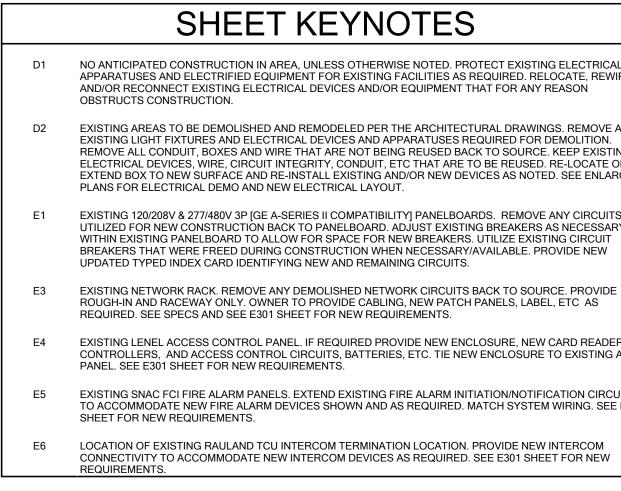


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SHEET KEYNOTES

NO ANTICIPATED CONSTRUCTION IN AREA, UNLESS OTHERWISE NOTED. PROTECT EXISTING ELECTRICAL APPARATUSES AND ELECTRIFIED EQUIPMENT FOR EXISTING FACILITIES AS REQUIRED. RELOCATE, REWIRE, AND/OR RECONNECT EXISTING ELECTRICAL DEVICES AND/OR EQUIPMENT THAT FOR ANY REASON

EXISTING AREAS TO BE DEMOLISHED AND REMODELED PER THE ARCHITECTURAL DRAWINGS. REMOVE ALL EXISTING LIGHT FIXTURES AND ELECTRICAL DEVICES AND APPARATUSES REQUIRED FOR DEMOLITION. REMOVE ALL CONDUIT, BOXES AND WIRE THAT ARE NOT BEING REUSED BACK TO SOURCE. KEEP EXISTING ELECTRICAL DEVICES, WIRE, CIRCUIT INTEGRITY, CONDUIT, ETC THAT ARE TO BE REUSED, RE-LOCATE OR EXTEND BOX TO NEW SURFACE AND RE-INSTALL EXISTING AND/OR NEW DEVICES AS NOTED. SEE ENLARGED PLANS FOR ELECTRICAL DEMO AND NEW ELECTRICAL LAYOUT. EXISTING 120/208V & 277/480V 3P [GE A-SERIES II COMPATIBILITY] PANELBOARDS. REMOVE ANY CIRCUITS NOT UTILIZED FOR NEW CONSTRUCTION BACK TO PANELBOARD. ADJUST EXISTING BREAKERS AS NECESSARY

UPDATED TYPED INDEX CARD IDENTIFYING NEW AND REMAINING CIRCUITS. EXISTING NETWORK RACK. REMOVE ANY DEMOLISHED NETWORK CIRCUITS BACK TO SOURCE. PROVIDE ROUGH-IN AND RACEWAY ONLY. OWNER TO PROVIDE CABLING, NEW PATCH PANELS, LABEL, ETC AS

EXISTING LENEL ACCESS CONTROL PANEL. IF REQUIRED PROVIDE NEW ENCLOSURE, NEW CARD READERS, CONTROLLERS, AND ACCESS CONTROL CIRCUITS, BATTERIES, ETC. TIE NEW ENCLOSURE TO EXISTING ACS

EXISTING SNAC FCI FIRE ALARM PANELS. EXTEND EXISTING FIRE ALARM INITIATION/NOTIFICATION CIRCUITS TO ACCOMMODATE NEW FIRE ALARM DEVICES SHOWN AND AS REQUIRED. MATCH SYSTEM WIRING. SEE E301

LOCATION OF EXISTING RAULAND TCU INTERCOM TERMINATION LOCATION. PROVIDE NEW INTERCOM CONNECTIVITY TO ACCOMMODATE NEW INTERCOM DEVICES AS REQUIRED. SEE E301 SHEET FOR NEW

GENERAL SHEET NOTE

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

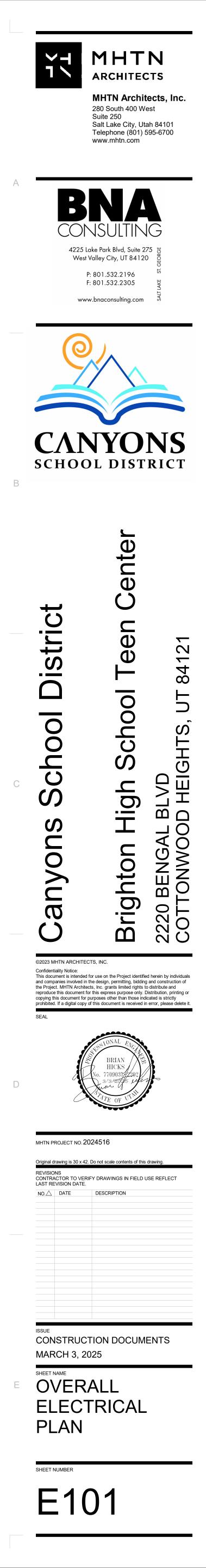
REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING DEMOLITION DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION. DURING DEMOLITION AND NEW CONSTRUCTION, THE CONTINUATION OF BUILDING SYSTEMS MAY BE

WITHOUT EXCEPTION.

- 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.
- 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.
- 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. . FULLY COORDINATE MECHANICAL EQUIPMENT ELECTRICAL CONNECTION REMOVAL AND RELOCATION WITH
- THE MECHANICAL CONTRACTOR. 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.
- 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.
- 1. 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
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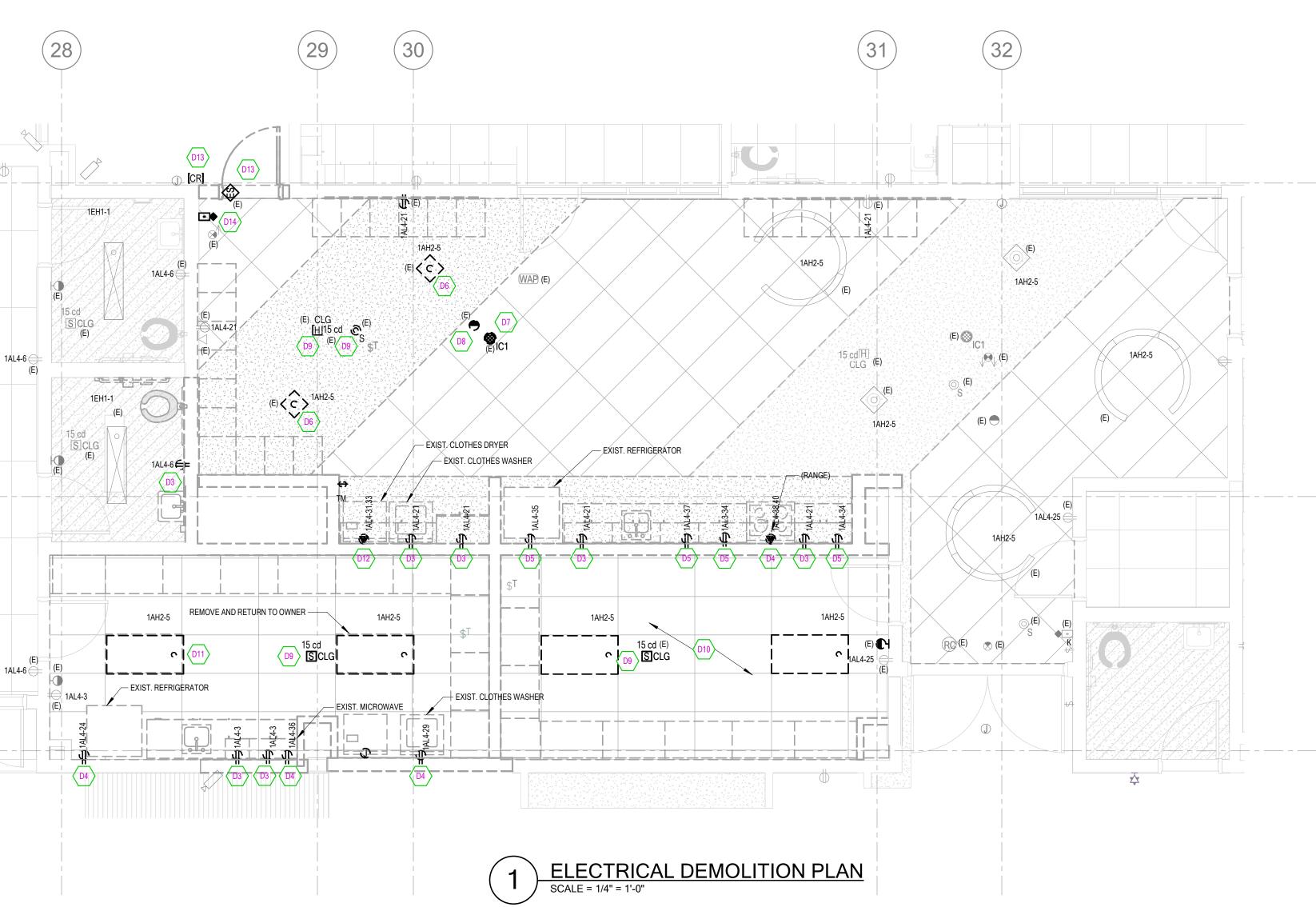
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GENERAL SHEET NOTE

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- REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING DEMOLITION DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
- 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.
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- 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. FULLY COORDINATE MECHANICAL EQUIPMENT ELECTRICAL CONNECTION REMOVAL AND RELOCATION WITH
- THE MECHANICAL CONTRACTOR. 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.
- 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.
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- . 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.
- 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.

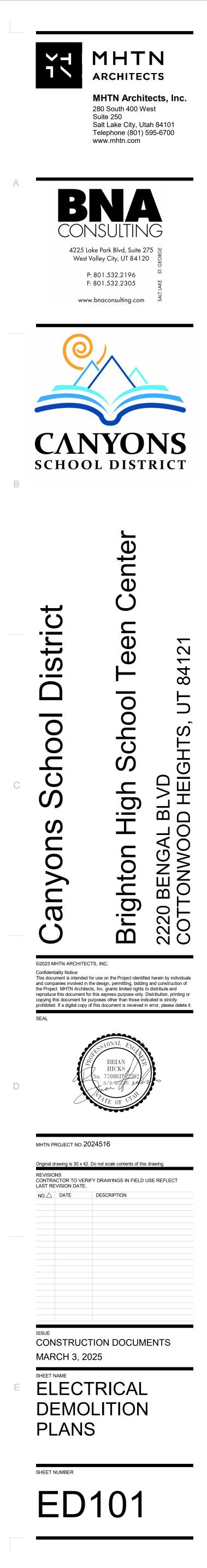
SHEET KEYNOTES

- EXISTING RECEPTACI F AND/OR DATA DEVICE LOCATION TO BE REMOVED. VERIEV EXISTING CIRCUITING D3 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.
- EXISTING ELECTRICAL DEVICE LOCATION TO BE REMOVED AS REQUIRED FOR RENOVATION. MAINTAIN D4 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.
- EXISTING ELECTRICAL DEVICE LOCATION TO BE REMOVED AS REQUIRED FOR RENOVATION. MAINTAIN D5 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.
- REMOVE EXISTING LIGHT FIXTURES AS SHOWN. VERIFY EXISTING CIRCUITING CONDITIONS AND MAINTAIN D6 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. EXISTING INTERCOM LOUDSPEAKER TO BE REMOVED FOR REMOVAL OF CEILING SYSTEM AND OVERALL D7
- 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.
- EXISTING CEILING MOUNTED FIRE ALARM DEVICE TO BE REMOVED FOR REMOVAL OF CEILING SYSTEM. D9 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.
- EXISTING LED LIGHT FIXTURE TO BE RE-USED IN REMODELED SPACE. CAREFULLY REMOVE EXISTING LED D11 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
- 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. EXISTING LIGHTING WALLSTATION TO BE RELOCATED. REMOVE AND BLANK OFF EXISTING WALL BOX WITH SS D14 COVER. MAINTAIN CIRCUIT INTEGRITY AND EXTEND CONDUIT AND WIRE TO RELOCATED LOCATION WITHIN

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NEW SPED ENTRY DOOR. SEE E201 SHEET FOR NEW REQUIREMENTS.

AS REQUIRED. EXISTING DOOR, CARD READER AND ELECTRIC STRIKE TO BE RE-USED FOR NEW SPED ENTRY



		LIGHT	FIXTURE SCH	HEDULE								
			LIGHT FIXTURE ABBREVIATION SCHEDU	LE		PROJECT	MANAGER: DRAY	TON/MICAH				
A.F.F. WALL@C CCBA	ABOVE FINISH FLOOR CLG WALL MOUNT AT CORNER OF WALL AND CEILING CUSTOM PAINTED COLOR AS SELECTED BY THE ARCHITECT		CFBA CUSTO	DARD PAINTED COLOR AS SELE DM FINISH AS SELECTED BY TH DARD FINISH AS SELECTED BY	E ARCHITECT	ECT						
			LIGHT FIXTURE GENERAL NOTES									
1.	REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIC AND ELECTRICAL ENGINEER PRIOR TO BIDDING.	GHT FIXTURES AND	, CONFIRM CEILING TYPES WITH LIGHT FIX	TURE TRIMS. BRING ALL DISCF	REPANCIES OF LOCAT	IONS AND QUANTI	TIES TO THE ATTE	NTION OF THE	ARCHITECT			
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 TH	HE DESCRIPTION, N	IOTIFY THE ELECTRICAL ENGINEER AND/C	R 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-30L02	6G-EDU	19	LED	2,610	3000 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	3200 K	80+			
EXF	EXISTING FIXTURE REINSTALL						1,380	3200 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-3()K-80-SCBA-ACB5-U-1C)	4w/ft	LED	2,275	3000 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-80-8	SCBA-ACB5-U-1C	45	LED	5,000	3000 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	LBES-6RD-CS	9-WH	13	LED	1,100	3000 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	3000 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	PAG6		3.3	LED	100	3200 K	80+			





VOLTAGE DIFFERENCES).

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.

 ALL INDOOR AND OUTDOOR LIGHTING WILL BE CONTROLLED BY A SYSTEM THAT PRIORITIZES ENERGY EFFICIENCY AND LIGHTING WILL PRIMARILY FOLLOW A MASTER CLOCK SCHEDULE PROVIDED BY THE OWNER, WITH MANUAL OVERRIDE THROUGH

 OCCUPANCY SENSORS WILL AUTOMATICALLY DIM LIGHTS TO PRESET LEVELS (50% FOR CORRIDORS, STAIRWELLS, VESTIBULES) • DAYLIGHT SENSORS WILL FURTHER ADJUST LIGHT LEVELS IN DESIGNATED ZONES BASED ON AVAILABLE NATURAL LIGHT.

PROVIDE WALL MOTION OCCUPANCY SENSOR. PROVIDE 20 MINUTE VACANCY MODE. WIRE EXHUAST FANS THROUGH WALL

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

 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.

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 RAISE & LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF ALL DIMMING ZONES.

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

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.

• DEDICATED CIRCUITS: EMERGENCY LUMINAIRES WILL BE CONNECTED TO SEPARATE, DEDICATED CIRCUITS THAT ARE NOT AUTOMATIC ACTIVATION: UPON DETECTION OF A POWER FAILURE, EMERGENCY LIGHTS WILL AUTOMATICALLY SWITCH ON TO • GENERATOR BACKUP: THE EMERGENCY LIGHTING SYSTEM WILL BE BACKED UP BY A GENERATOR TO ENSURE SUSTAINED • EXIT PATH ILLUMINATION: EMERGENCY LIGHTING WILL BE STRATEGICALLY PLACED TO EFFECTIVELY ILLUMINATE ALL DESIGNATED EXIT PATHS AND STAIRWELLS, FACILITATING SAFE EVACUATION.

IBC AND IECC REQUIREMENTS, AND WILL BE SUBJECT TO REGULAR INSPECTIONS TO ENSURE PROPER FUNCTIONALITY.

GENERAL NOTES

PROGRAM SYSTEM TO MEET THE REQUIREMENTS OF IECC 2021 OR CURRENT ENERGY CODE. CONFIRM SWITCHING AND PROGRAMMING SCHEME WITH OWNER PRIOR TO PROGRAMMING

REFER TO WALLSTATION DIAGRAMS FOR FACTORY ENGRAVED LABELING FOR ALL INDIVIDUAL PUSH-BUTTONS. DEVICE AND

SUBMIT ALL WALLSTATION LAYOUTS, ENGRAVING AND CONTROL SEQUENCES DURING THE SHOP DRAWINGS

PROVIDE RELAY BARRIER FOR VOLTAGE AND POWER SOURCE SEPARATION (EMERGENCY AND NORMAL CIRCUITS,

LIGHTING GENERAL SHEET NOTES

- 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.
- ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN MECHANICAL ROOMS.
- 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.
- SEE CORRESPONDING LIGHTING DIAGRAMS FOR GENERAL INSTALLATION REQUIREMENTS, CONNECTIONS, AND CABLE TYPES.
- PROVIDE UNSWITCHED NORMAL CIRCUIT HOT LEG TO ALL EMERGENCY POWER CONTROL DEVICES FOR PROPER POWER SENSING.
- PROVIDE UNSWITCHED HOT AHEAD OF RELAY, OCCUPANCY SENSOR, OR SWITCH TO ALL EXIT SIGNS. IF SHOWN, SUBSCRIPT NEAR LIGHT FIXTURES INDICATES CONTROL INTENT. PROVIDE LIGHTING CONTROLLERS WITH THE REQUIRED NUMBER OF RELAYS/DIMMERS.
- 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
- 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

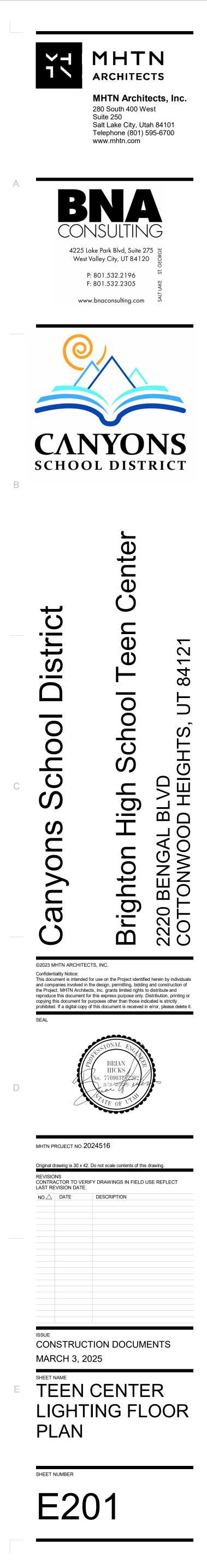
THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE SENSOR MANUFACTURER FOR PROPER PLACEMENT AND ADJUSTMENT OF OCCUPANCY SENSORS.

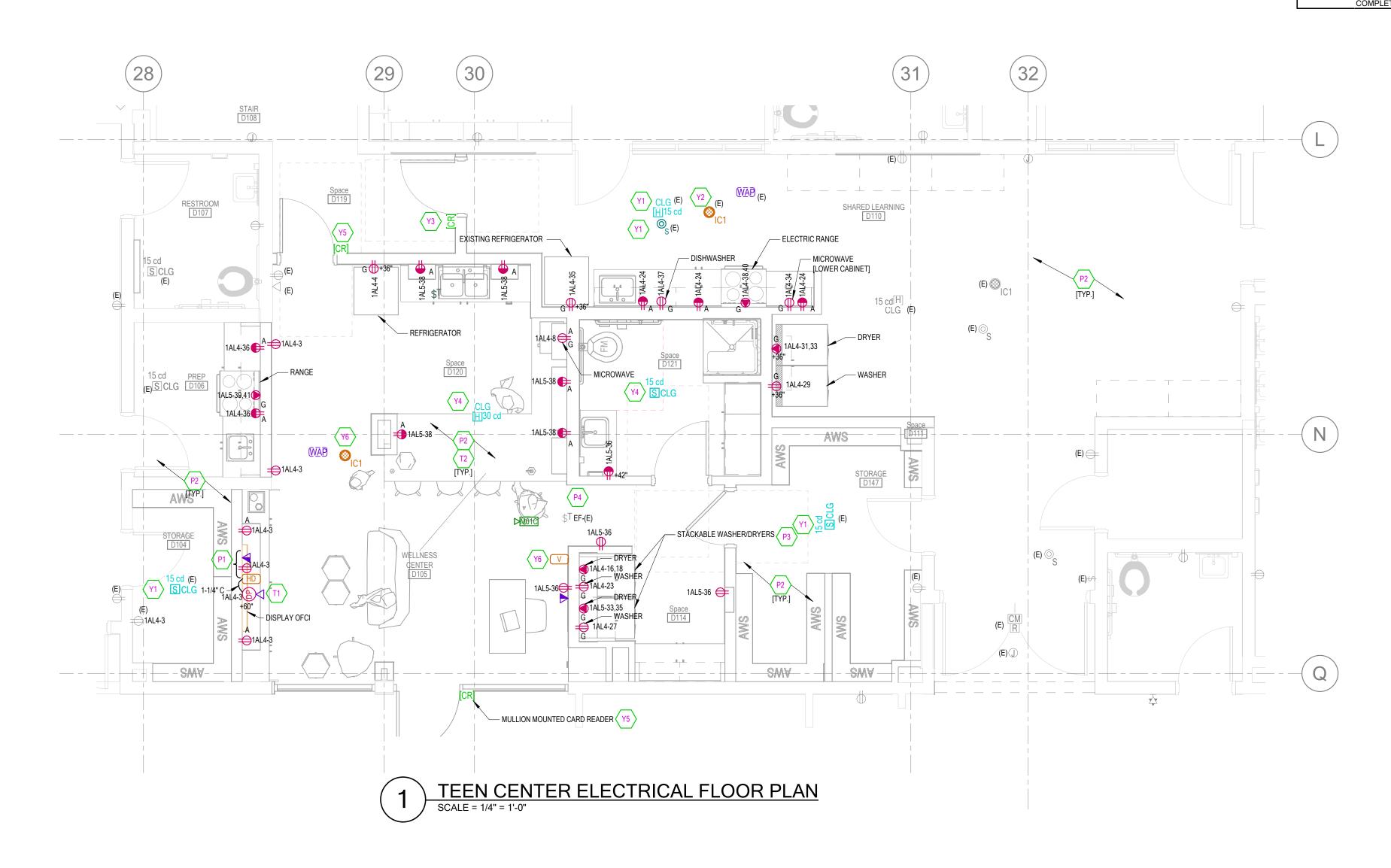
REFERENCE ONLY).

- EACH ZONE SHALL HAVE COVERAGE BY OCCUPANCY SENSOR SUCH THAT NO BLIND SPOT EXIST.
- 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.
- 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.
- 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
- PROVIDE OCCUPANCY SENSOR WITH AN ADDITIONAL SET OF DRY CONTACTS FOR HVAC CONTROL AT EACH VAV BOX LOCATION.

SHEET KEYNOTES

- MOUNT ROOM CONTROLLER(S) ABOVE ENTRY DOOR ALONG WITH ANY OTHER RELATED MODULES. PROVIDE L1 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.
- 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
- PROVIDE DUAL TECH. OCCUPANCY SENSOR(S) AS SHOWN. PROGRAM FOR AUTO-ON. LOCATE OCCUPANCY L3 SENSOR(S) PER MANUFACTURER FOR PROPER PLACEMENT AND ADJUSTMENT OF OCCUPANCY SENSORS.
- PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY COVER THE RESPECTIVE ROOM. PROVIDE NEW LOW VOLTAGE WALLSTATION AS SHOWN. REFER TO NARRATIVE FOR LAYOUT AND CONTROL
- REQUIREMENTS. RE-INSTALL EXISTING 2X4 FIXTURE PREVIOUSLY REMOVED DURING DEMOLITION. REWORK AND CONTROL L5 THROUGH EXISTING WALL OCCUPANCY SENSOR.
- PROVIDE NEW EXIT SIGN AS SHOWN. WIRE INTO EXISTING UNSWITCHED EXIT SIGN CIRCUT.
- 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).
- REINSTALL EXISTING LIGHTING WALLSTATION PREVIOUSLY REMOVED DURING DEMOLITION. REWORK AND L8 REINSTALL IN NEW LOCATION AS SHOWN.
- PROVIDE NEW LIGHTS AND CONTROLS AS SHOWN. WIRE NEW LIGHTS INTO EXISTING STAIRWELL LIGHTING L9



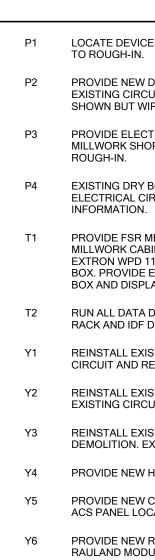




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SHEET KEYNOTES

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

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

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. 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.

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.

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.

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

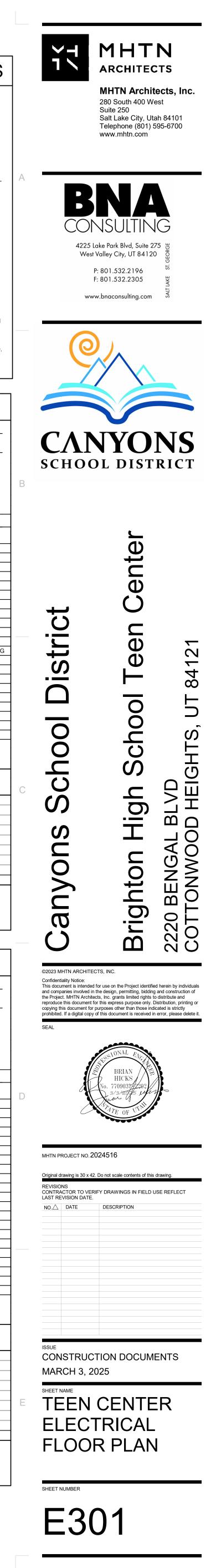
- COORDINATE PLACEMENT OF ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN. WHERE DEVICES ARE SHOWN IN SAME WALL SPACE, ALIGN VERTICALLY AND HORIZONTALLY. COORDINATE WITH ARCHITECTURAL DRAWINGS, AND CABINETRY DRAWINGS.
- ALL THE LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, SOUND AMPLIFICATION, ETC. TO BE ROUTED THROUGH CONDUIT IN EXPOSED AND CLOUDED CEILING AREAS.
- 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.
- 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.
- ALL RECEPTACLES LOCATED THROUGHOUT THE REMODEL SHALL BE TAMPER RESISTANT PER NEC 406.12. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS
- NOTED OTHERWISE. PROVIDE NEW DATA DROPS/OUTLETS AS SHOWN. ROUTE AND TERMINATE AT NEAREST TELECOM ROOM/IDF LOCATED IN THE EXISTING IDF D138.
- 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.
- 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.

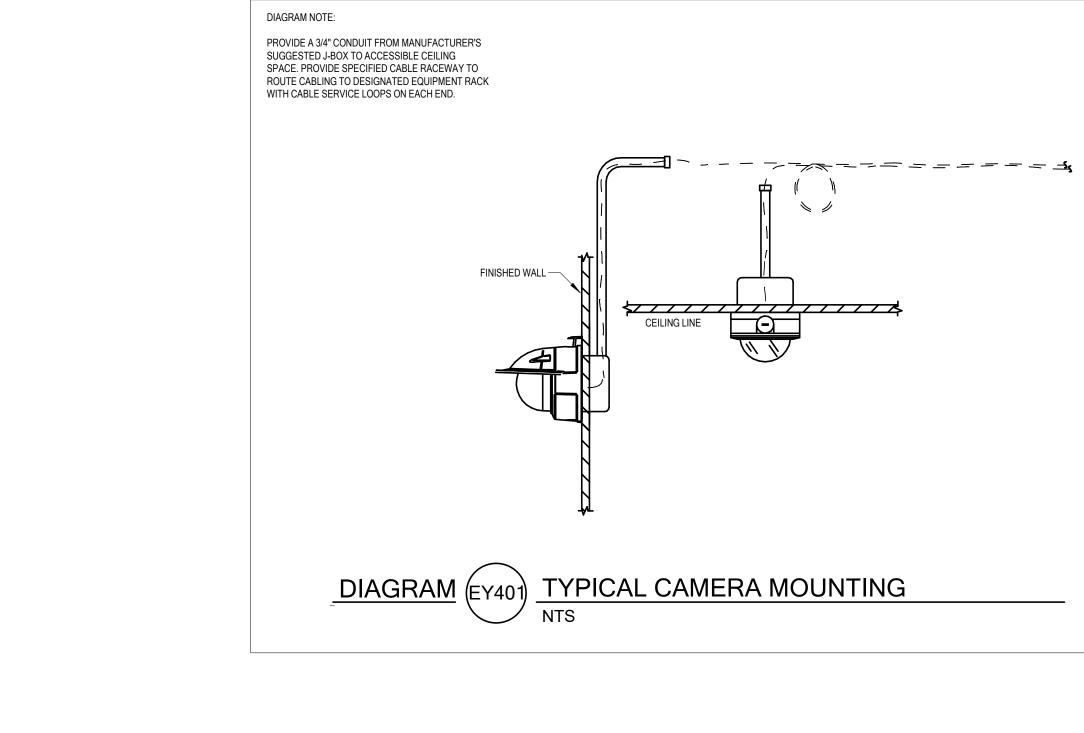
PANELBOARD SCHEDULE

PANEL: 1AL4				רד _	/PE: _	T	ype 1		VOLTS	·	120/208	Y	_ PHA	\SE:	3		WIRES:	4								
MOUNTING: <u>SURFACE</u> BUSSING:									LOCATION FED FROM		TRICAL I	D137					MAINS: MLO SUBFEED LUGS									
				_						225 A								OR-IN-DOOR								
													_) GROUND								
)% NEUTRAL								
																	SP	D								
							BI	RANCH	BREAKE	RS																
ITEM	AMPS	TYPE	POLE		NO.	A	В	с	A	в	с	NO.		POLE		AMPS		TEM								
EXISTING CIRCUIT	20 A		1		1	0	1=00		0			2		1		20 A										
** RECEPT - TEEN CENTER	20 A				3		1580			800		4	12	1	GF	20 A		TEEN CENTER								
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EXISTING CIRCUIT	20 A		1		7	0			800			8	12	1	GF	20 A										
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EXISTING CIRCUIT	20 A				21	0	0		Ū	0		22		1		20 A										
** WASHER - TEEN CENTER	20 A	GF	1	12	23		•	180		<u> </u>	540	24	12	1		20 A		HARED LEARNIN								
EXISTING CIRCUIT	20 A		1		25	0			0			26		1		20 A										
** WASHER - TEEN CENTER	20 A	GF	1	12	27		180			0		28		1		20 A	EXISTI	NG CIRCUIT								
*** WASHER - TEEN CENTER	20 A	GF	1	12	29			180			0	30		1		20 A	EXISTI	NG CIRCUIT								
*** DRYER - TEEN CENTER	30 A	GF	2	10	31	4000			0			32		1		20 A	EXISTI	NG 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	EXISTI	NG CIRCUIT								
						10000	15360	6680	TOTAL	() ())							CONNECT	D LOAD TOTAL								
FEED THRU LOAD										— · · /						32040										
0 VA						88 A	132 A	56 A	JAMP5/P	HASE						-	32	040 VA								
											AIC	RATI	NG				AMPSI	RMS SYSM.								
oad Classification				Coni	nected	Load	D	Demand Factor			Estimated Demand					Pa	nel Totals									
Other					500 V	4		100.00	%		500 VA	4														
RECEPT					6000 \	/A		81.25%	6	13000 VA					Tota	l Conn. Loa	d: 32040 VA									
RECEPTACLE					6340 V	A		100.00	%	6340 VA					Total	Est. Demar	and: 29040 VA									
* DISHWASHER 1200 VA						A	100.00%			1200 VA					Total C	Conn. Curre	nt: 89 A									
* RANGE/OVEN 8000 VA						A		100.00	%		8000 V	A		Total	Est. Der	nand Curre	nt: 81 A									
NOTES:								CIF	RCUIT BF	REAKER	TYPE:															
EXISTING GE A-SERIES II PANEL	BOARD								<blank< td=""><td></td><td>IERMAL</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></blank<>		IERMAL															
*UTILIZE EXISTING 20A/1P SPARE									GF AF		nA GRO					ER										
*REWORK EXIST. CIRCUIT & RE-USE BREAKER									co	CC	MBINAT	TION A	FCI/GF	CI CIRC	UIT BRI											
	**PROVIDE NEW BREAKER AS INDICATED (RE-WORK CIRC. AS REQUIRED)													EG 30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER ST SHUNT TRIP CIRCUIT BREAKER												

PANELBOARD SCHEDULE

PANEL: 1AL5					_ TYPE :		/pe 1		VOLTS:	:120/208 Y			_ PH4	PHASE: 3			WIRES:	4
MOUNTING: SURFACE									OCATION:	FLEC		D137				м	IAINS: MLO	
BUSSING:				_					ED FROM:			0107						SUBFEED LUGS
booling.				_				·										
									AMP:	225 A			_					DOOR-IN-DOOR
																		SO GROUND
																	2	200% NEUTRAL
																		SPD
							BR	ANCH	BREAKEF	s								
		тург		WIRE			_	<u> </u>		в			WIRE		TYPE			
ITEM EXISTING CIRCUIT	20 A		POLE		NO.	A 0	В	C	A 0		С	NO. 2	SIZE	POLE 1	TYPE	AMPS 20 A	FXIS	ITEM TING CIRCUIT
EXISTING CIRCUIT	20 A		1		3	0	0			0		4		1		20 A		TING CIRCUIT
EXISTING CIRCUIT	20 A		1		5		-	0		0	0	6		1		20 A		
EXISTING CIRCUIT	20 A		1		7	0			0			8		1		20 A	-	TING CIRCUIT
EXISTING CIRCUIT	20 A		1		9		0			0		10		1		20 A		TING CIRCUIT
EXISTING CIRCUIT	20 A		1		11		-	0		-	0	12		1		20 A		TING CIRCUIT
EXISTING CIRCUIT	20 A		1		13	0			0			14		1		20 A		TING CIRCUIT
EXISTING CIRCUIT	20 A		1		15		0			0		16		1		20 A		TING CIRCUIT
EXISTING CIRCUIT	20 A		1		17		-	0		-	0	18		1		20 A		TING CIRCUIT
EXISTING CIRCUIT	20 A		1		19	0		-	0			20		1		20 A		TING CIRCUIT
EXISTING CIRCUIT	20 A		1		21		0			0		22		1		20 A	EXIS	TING CIRCUIT
EXISTING CIRCUIT	20 A		1		23			0			0	24		1		20 A	EXIS	TING CIRCUIT
EXISTING CIRCUIT	20 A		1		25	0			0			26		1		20 A	EXIS	TING CIRCUIT
EXISTING CIRCUIT	20 A		1		27		0			0		28		1		20 A	EXIS	TING CIRCUIT
EXISTING CIRCUIT	20 A		1		29			0			0	30		1		20 A	EXIS	TING CIRCUIT
EXISTING CIRCUIT	20 A		1		31	0			0			32		1		20 A	EXIS	TING CIRCUIT
*** DRYER - TEEN CENTER	30 A	GF	2	10	33		4000			0		34		1		20 A	EXIS	TING CIRCUIT
					35			4000			720	36		1	12	20 A	* RECEP	T - TEEN CENTER
SPARE	20 A		1		37	0			900			38		1	12	20 A	* RECEP	T - 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	720 TOTAL (VA)								CONNEC	TED LOAD TOTAL
0 VA						8 A	76 A	82 A	AMPS/P	HASE						-		17620 VA
											AIC	RATI	NG				. AMP	S RMS SYSM.
Load Classification	Connected Load Demai					Ind Factor Estimated Demand							Pa	Panel Totals				
RECEPT					6000 \			81.25		13000 VA			-					
RECEPTACLE					1620 V			100.0		1620 VA					Tota	al Conn. Los	ad: 17620 VA	
					1020 VA 100					1020 VA							nand: 14620 VA	
												Total		mand Curre	urrent: 49 A			
												TOLAI	ESI. Dei		fil. 41 A			
NOTEO																		
NOTES:	ROADD								<pre>IRCUIT BR </pre> <pre></pre> <p< td=""><td></td><td>ERMAL</td><td>MACE</td><td></td><td></td><td>BDEAM</td><td>ED</td><td></td><td></td></p<>		ERMAL	MACE			BDEAM	ED		
EXISTING GE A-SERIES II PANELBOARD											IERMAL nA GRO							
									AF		C-FAUL							
*REWORK EXIST. CIRCUIT & RE-USE BREAKER **PROVIDE NEW BREAKER AS INDICATED (RE-WORK CIRC. AS REQUIRED)									CO EG	30		JIPME	NT GRO	DUND F	AULT CI	EAKER IRCUIT BRI	EAKER	
									ST SHUNT TRIP CIRCUIT BREAKER									





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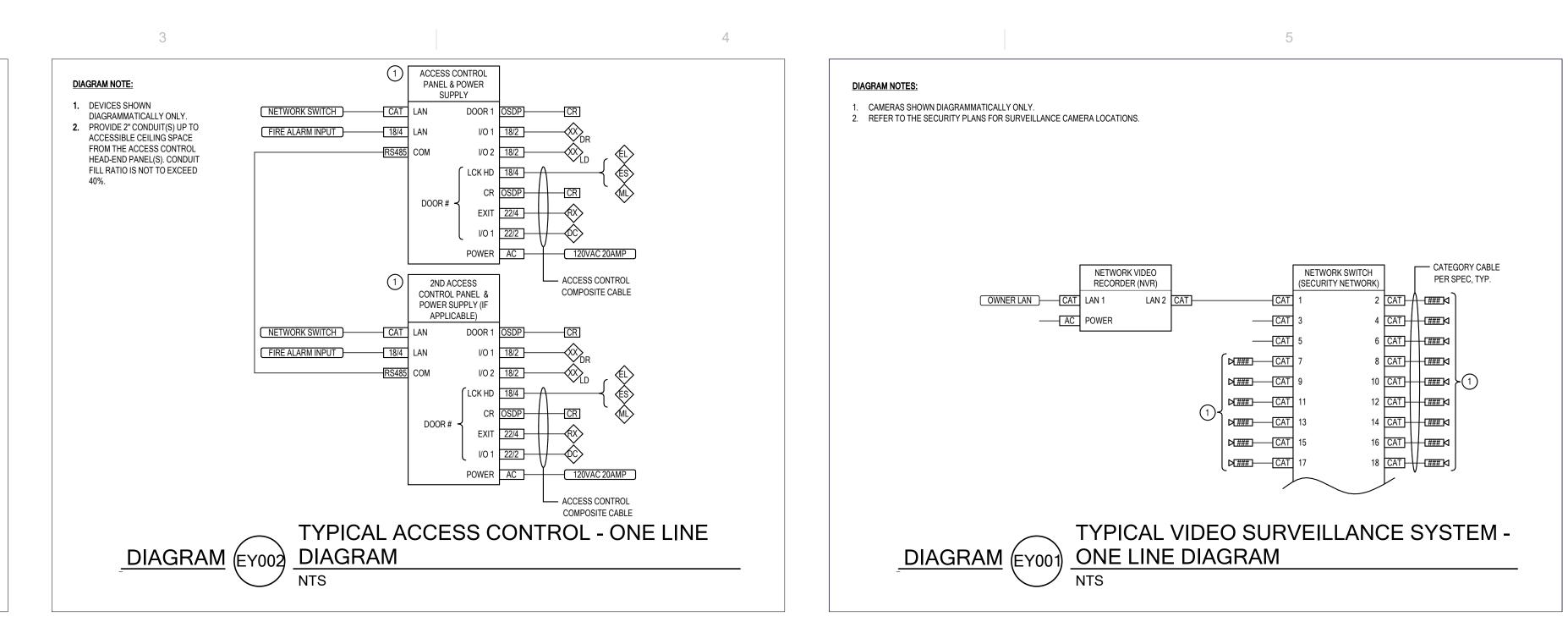
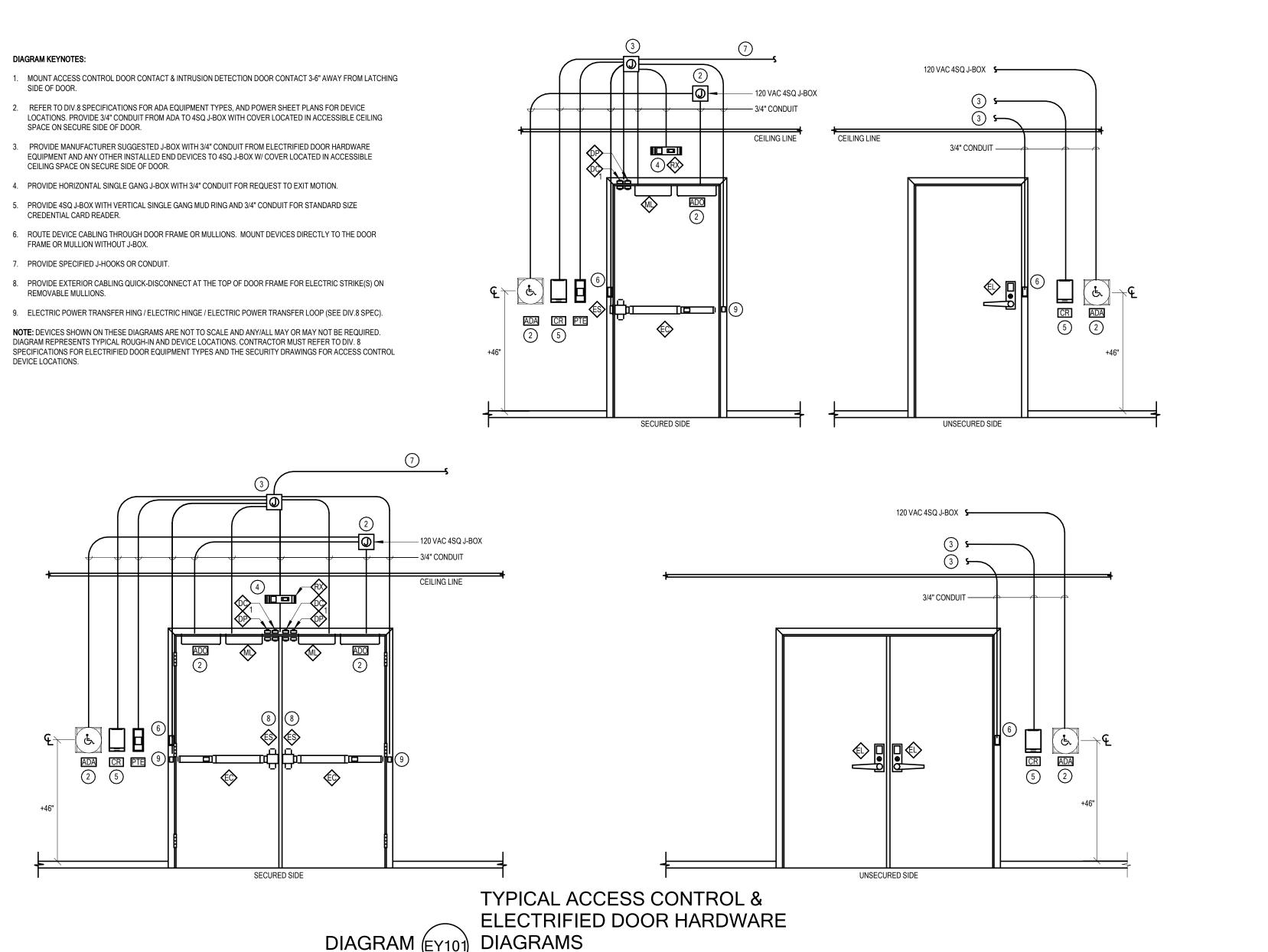


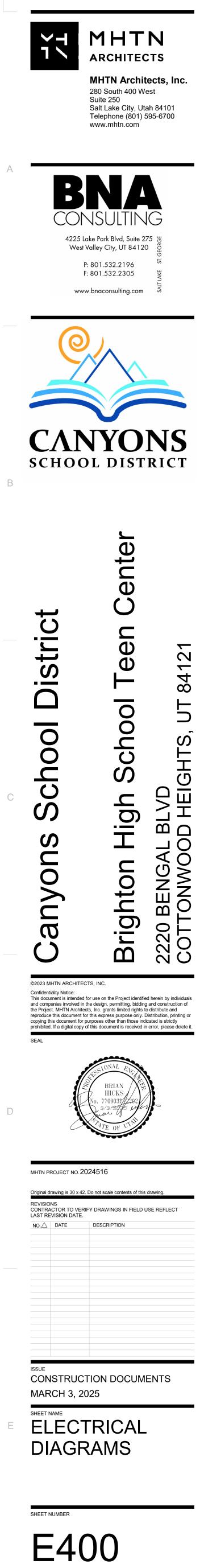
DIAGRAM KEYNOTES:

- 3. PROVIDE MANUFACTURER SUGGESTED J-BOX WITH 3/4" CONDUIT FROM ELECTRIFIED DOOR HARDWARE
- 4. PROVIDE HORIZONTAL SINGLE GANG J-BOX WITH 3/4" CONDUIT FOR REQUEST TO EXIT MOTION.
- 5. PROVIDE 4SQ J-BOX WITH VERTICAL SINGLE GANG MUD RING AND 3/4" CONDUIT FOR STANDARD SIZE
- 6. ROUTE DEVICE CABLING THROUGH DOOR FRAME OR MULLIONS. MOUNT DEVICES DIRECTLY TO THE DOOR
- 7. PROVIDE SPECIFIED J-HOOKS OR CONDUIT.



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NOTES: (1) TYP. FOR WOOD AND METAL STUD ROUGH-IN. (2) PLASTER RINGS NOT SHOWN. COORDINATE RING DEPTH TO BE FLUSH WITH FINAL FINISHED SURFACE (3) LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARD AND WITH ALL APPLICABLE SHOP DRAWINGS. (4) OUTLET BOXES ON OPPOSITE SIDES OF WALLS OR PAR SPACE MUST BE SEPARATED BY A MIN. OF 6" HORIZONT (5) ELECTRICAL BOXES INSTALLED IN FIRE RESISTANT WAI COMPLY WITH IBC 714.5.2 (24" SEPARATION ON OPPOSI (6) INSULATED THROAT EMT CONNECTOR. (7) HOME RUN TO PANEL MUST BE IN RACEWAY. DIAGGRAM (H013)
TYPICAL VERTICAL CABLE MANAGEMENT
DIAGRAM (F030
ACCESSIBLE CEILING (4) CONDUIT AS NOTED
(4) CONDUIT AS NOTED
DIAGRAM (V031)

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