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

CONSTRUCTION DOCUMENTS
JUNE 14, 2024

ARCHITECTURE	MECHANICAL	ELECTRICAL					
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CANYONS SCHOOL DISTRICT

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

SEAL

STATE OF UTAH
SCOTT LATER
No. 7919245-0301
LICENSED ARCHITECT

MHTN PROJECT NO.2024516

VIEW AND PRINT THIS DRAWING IN COLOR

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

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

NO.	DATE	DESCRIPTION

ISSUE
CONSTRUCTION DOCUMENTS
JUNE 14, 2024

SHEET NAME
COVER SHEET

SHEET NUMBER
G000

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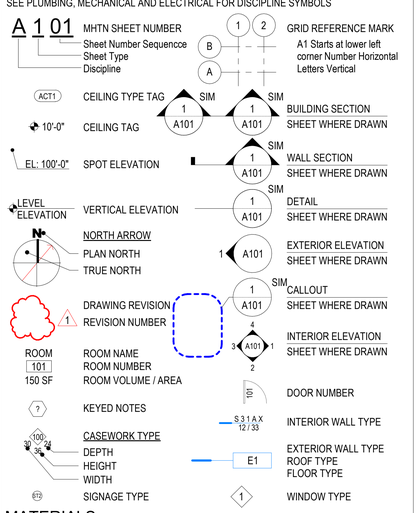
ABBREVIATIONS

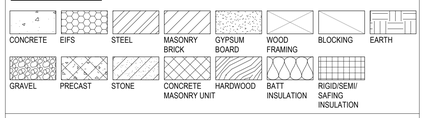
AC	AIR CONDITIONING
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
AWS	ADJUSTABLE WALL SHELF
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BO	BOTTOM OF
BOT	BOTTOM
BRB	BUCKLING RESTRAINED BRACE
BRG	BEARING
CB	CATCH BASIN
CFMF	COLD FORMED METAL FRAMING
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT, CLEAR OPENING
COL	COLUMN
COMM	COMMUNICATION
CONC	CONCRETE
CONF	CONFERENCE
CONST	CONSTRUCT, CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
CORR	CORRIDOR
CTR	CENTER
CTTD	COMBINED TOILET TISSUE DISPENSER
DB	DECK BEARING ELEVATION
DCS	DIAPER CHANGING STATION
DEMO	DEMOLITION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DN	DOWN
DR	DOOR
DTL	DETAIL
DWG	DRAWING
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRICAL WATER COOLER
EXP	EXPANSION
EXT	EXTERIOR
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FIN	FINISH
FIN FLR	FINISH FLOOR
FLR	FLOOR
FM	FLOOR MOUNTED
FT	FOOT, FEET
GA	GAUGE, GAGE
GB	GYPSUM BOARD
GI	GALVANIZED IRON
GLULAM	GLUED-LAMINATED TIMBER
GTB	GLASS-MAT TILE BACKING BOARD
GYP BD	GYPSUM BOARD
HD	HAND DRYER
HRD	WALL MOUNTED HAIR DRYER
HVAC	HEATING, VENTILATION, AIR CONDITIONING
ID	INSIDE DIAMETER
IGB	IMPACT RESISTANT GYPSUM BOARD
INT	INTERIOR
ISO	ISOMETRIC
JAN	JANITOR
JT	JOINT
KD	KNOCK DOWN
LAB	LABORATORY
LAV	LAVATORY
MAINT	MAINTENANCE
MAX	MAXIMUM
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFOI	OWNER FURNISHED OWNER INSTALLED
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OH	OVERHEAD
OH DR	OVERHEAD DOOR
OPP	OPPOSITE
PERP	PERPENDICULAR
PL	PLATE, PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLYWD	PLYWOOD
PR	PAIR
PREFAB	PREFABRICATED
PTD	PAPER TOWEL DISPENSER
PTWR	PAPER TOWEL / WASTE RECEPTACLE
QTY	QUANTITY
RD	ROOF DRAIN
RE:	REFER TO
REINF	REINFORCE, REINFORCING
REQD	REQUIRED
REF	REFRIGERATOR
RH	ROBE HOOK
RM	ROOM
RO	ROUGH OPENING
RTU	ROOF TOP UNIT
RV	ROOF VENT
SCD	SEAT COVER DISPENSER
SD	SOAP DISPENSER
SF	SQUARE FEET
SIM	SIMILAR
SNVU	SANITARY NAPKIN VENDING UNIT
SNDU	SANITARY NAPKIN DISPOSAL UNIT
SPEC	SPECIFICATION
SQ	SQUARE
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
SUSP	SUSPENDED
THK	THICK, THICKNESS
TO	TOP OF
TOB	TOP OF BEAM
TOD	TOP OF DECK
TOS	TOP OF SLAB, TOP OF STRUCTURE
TOW	TOP OF WALL
TTD	TOILET TISSUE DISPENSER
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VTR	VENT THROUGH ROOF
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
W	WIDE FLANGE
WH	WATER HEATER
WMS	WALL MOUNTED SHELF
WR	WASTE RECEPTICAL
WWF	WELDED WIRE FABRIC
XFMR	TRANSFORMER

GENERAL SYMBOLS

SEE PLUMBING, MECHANICAL AND ELECTRICAL FOR DISCIPLINE SYMBOLS



MATERIALS



VICINITY MAP

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 Area/Performance
International Fire Code (IFC), 2021 ed.
International Fuel Gas Code (IFGC), 2021 ed.

CRITERIA

Occupancy Classification	E
Separation of Occupancies	Non-separated
Construction Type	IIB
Sprinkled	Yes

Building Height

Allowable Height (Stories/Feet)	3 Stories, 75 ft.
Actual Building Height (Stories/Feet)	3 Stories (Plus a Mezzanine Level), 60 ft from Grade Plane

Building Area

Scope of Work	1,275 SF
1st Floor	135,001 SF (for reference only)
2nd Floor	84,221 SF (for reference only)
3rd Floor	61, 495 SF (for reference only)
Basement 1	12, 492 SF (for reference only)
Basement 2	20, 567 SF (for reference only)
Total	313, 776 SF (for reference only)

Fire-Resistance Ratings for Building Elements (IBC Table 601)

Construction Type:	IIB
Primary Structural Frame	0
Exterior Bearing Walls	0
Interior Bearing Walls	0
Exterior Non-Bearing Walls	0
Interior Non-Bearing Walls	0
Floor Construction & Associated Secondary Members	0
Roof Construction & Associates Secondary Members	0
Interior Exit Stairway (IBC Sec. 1023)	NA
Exit Access Stairway (IBC Sec. 1019)	Unenclosed (Note: 1019.3 Exception 4)
Two Story Vertical Openings (IBC Sec. 712.1.9)	Yes
Shafts (IBC Sec. 713.4)	1-hr

APPROVALS

APPROVERS NAME, TITLE DATE:

APPROVERS NAME, TITLE DATE:

APPROVERS NAME, TITLE DATE:

INDEX TO DRAWINGS -CONSTRUCTION DOCUMENTS

PROJECT GENERAL NOTES

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

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

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

Per IBC Sec 1705.12.5 (in Seismic Design Category D, E, or F:
- Erection and Fastening of:
  - Exterior Cladding
  - Interior Nonbearing Walls
  - Exterior Nonbearing Walls
  - Interior Veneer
  - Exterior Veneer
- Anchorage of Raised Access Floors

Per Section 1705.12.7 (in Seismic Design Category D, E, or F):
- Storage Racks 8 Feet or Higher

Per Section 1705.14:
- Sprayed Fire-resistant Materials

Per Section 1705.15:
- Mastic and Intumescent Fire-Resistant Coatings applied to structural elements and decks

Per Section 1705.16:
- Application of Exterior Insulation and Finish Systems (EIFS)

Deferred Submittals:
- Automatic Fire Sprinkler System
- Fire Alarm
- Interior Demountable Partition System
- Seismic Restraints for Equipment (Mechanical, Plumbing, Electrical)
- Guards and Handrails

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

Symbols: Where symbols and legends are used to indicate a product or system, provide those items in the quantity indicated by the symbol. Where plumbing fixtures, equipment, light fixtures and other similar products are shown on Architectural drawings, refer to the appropriate discipline drawings for type, utilities and other requirements.

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

The continuous nature of the materials shown in the details is inferred, though the word "continuous" may be omitted from the detail notes.

Masonry:
Bullnose Corners: Provide bullnose corners on outside corners. Typical at all interior masonry walls. Interior Masonry Hidden from View: Provide masonry units of same quality and color where hidden from view by objects that can change (e.g. cabinets, tackboards, whiteboards, etc.). Masonry above ceilings and hidden from view may, with the Architect's approval incorporate factory seconds and/or other colors 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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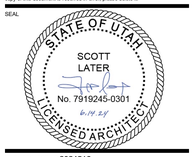
SEAL:



MHTN PROJECT NO.2024516

VIEW AND PRINT THIS DRAWING IN COLOR

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ISSUED

NO.	DATE	DESCRIPTION

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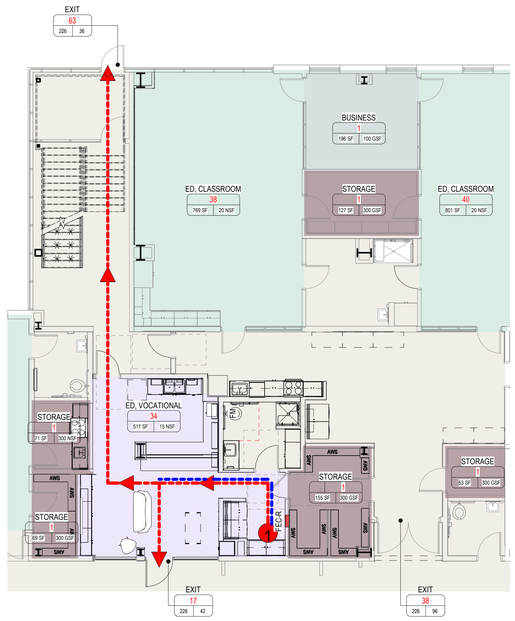
ISSUE
CONSTRUCTION DOCUMENTS
JUNE 14, 2024

SHEET NAME
INDEX SHEET

SHEET NUMBER
G001



AREA FUNCTION (IBC TABLE 1004.1.2)

- BUSINESS
- ED, CLASSROOM
- ED, VOCATIONAL
- FACILITIES/CIRCULATION
- STORAGE

E1 FIRST FLOOR LIFE SAFETY PLAN

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

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.

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

- OCCUPANCY GROUP
- AREA USE / A-3 / 21 / 150 SF / 7 NSF — OCCUPANT LOAD FACTOR GROSS: GSF NET: NSF
- SQUARE FOOTAGE
- EXIT / 183 / 305 / 67" — EXIT LOAD / EXIT WIDTH PROVIDED / EXIT CAPACITY
- COMMON PATH OF EGRESS TRAVEL
- TRAVEL DISTANCE
- (20 FT) DEAD END

TRAVEL DISTANCE

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)	200'

COMMON PATH OF TRAVEL

COMMON PATH OF TRAVEL DISTANCE PER TABLE 1006.2.1, WITHOUT SPRINKLERS:

OCCUPANCY		MAX. TRAVEL DISTANCE
BUSINESS AREAS	(B)	75'
ASSEMBLY: NO FIXED STG	(A-2/A-3)	75'
EDUCATION	(E)	75'
STORAGE	(S-2)	75'
UTILITY / MISC. SERVICES	(U-1)	75'

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

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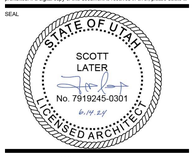

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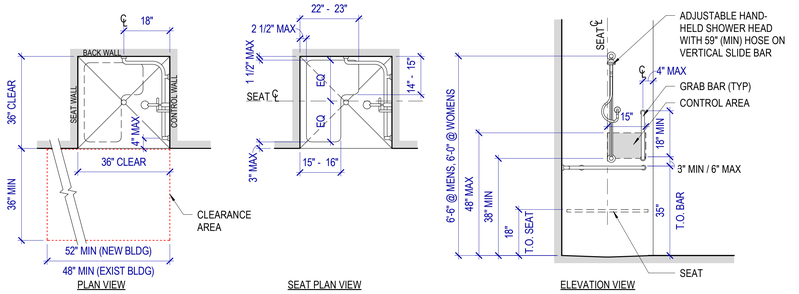
SHEET NAME
FIRST FLOOR LIFE SAFETY PLAN

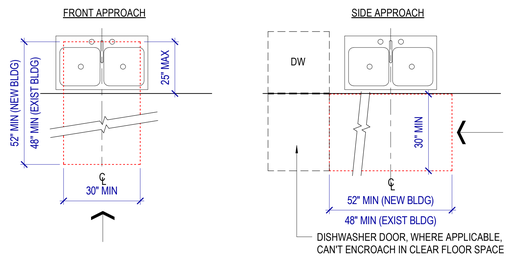
SHEET NUMBER
G101



A1 TRANSFER TYPE SHOWER COMPARTMENT

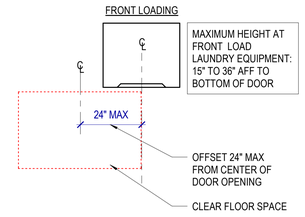
SCALE: 1/2" = 1'-0"

G200



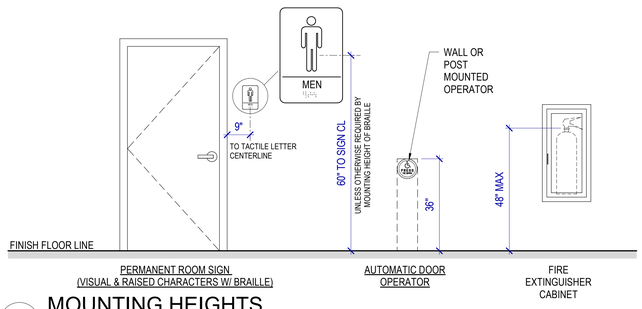
B1 SINK APPROACHES AND CLEARANCE

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



C1 CLEAR FLOOR SPACE @ LAUNDRY

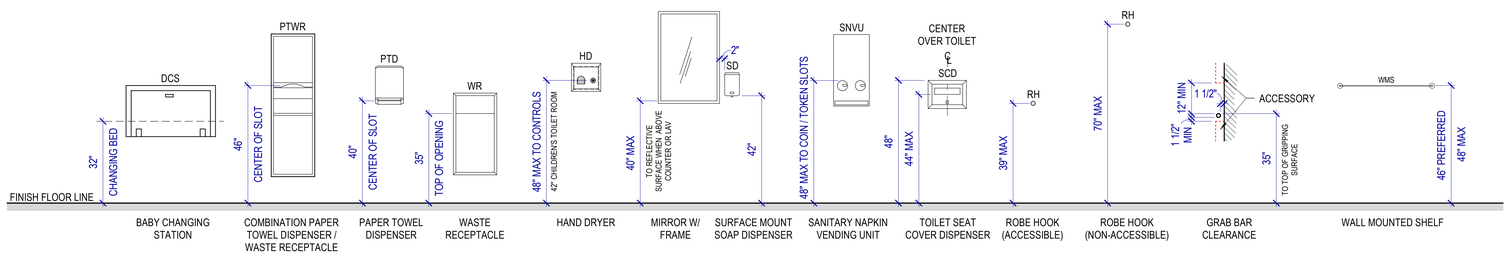
SCALE: 1/2" = 1'-0"



D1 MOUNTING HEIGHTS

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

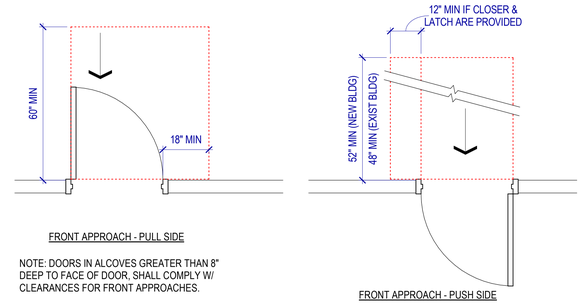
G200



e1 TOILET ROOM EQUIPMENT

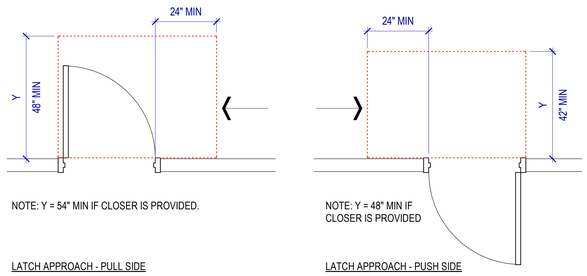
SCALE: 1/2" = 1'-0"

G200



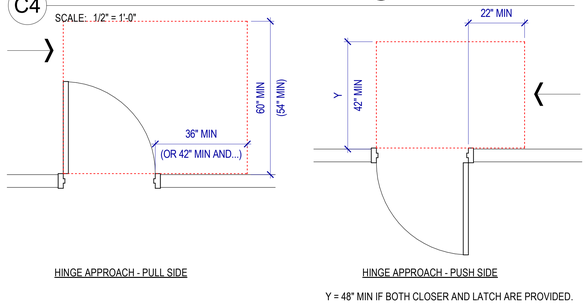
B4 FRONT APPROACHES @ SWINGING DOORS

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



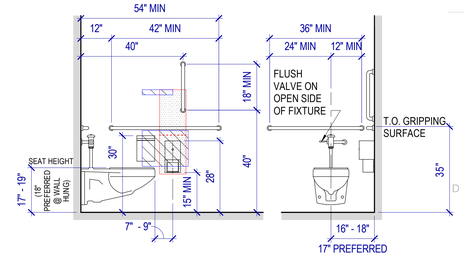
C4 MANEUVERING CLEARANCES @ MANUAL DOORS

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



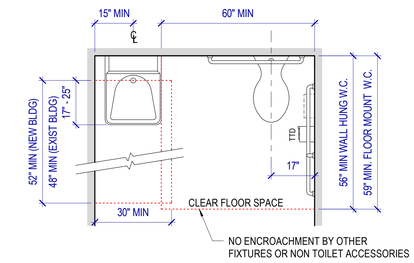
D4 HINGE SIDE APPROACHES @ SWINGING DOORS

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



D5 ACCESSIBLE STALL MTG HEIGHTS

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



E5 TOILET ROOM PLAN

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

MOUNTING HEIGHTS & CLEARANCES GENERAL NOTES

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.

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STATE OF UTAH
SCOTT LATER
No. 7919245-0301
LICENSED ARCHITECT

MHTN PROJECT NO. 2024516

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

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

NO.△	DATE	DESCRIPTION

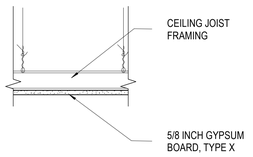
ISSUE
CONSTRUCTION DOCUMENTS
JUNE 14, 2024

SHEET NAME
MOUNTING HEIGHTS & CLEARANCES

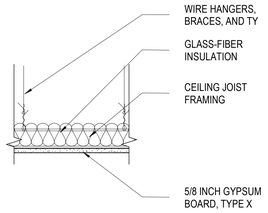
SHEET NUMBER
G200

INTERIOR WALL TYPE SCHEDULE

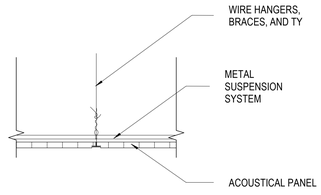
TAG	CONSTRUCTION						FIRE RESISTANCE		ACOUSTICAL	
MARK	DESCRIPTION	WIDTH	TERMINATION	LIMITING HEIGHT	HEAD DETAIL	BASE DETAIL	FIRE RATING	STANDARD	SOUND BATT	STC
S1X	5/8" GB + 0 7/8" MTL FURRING	1 1/2"	TO DECK	15'-6"					No	
S3A	5/8" GB + 3 5/8" MTL STUD + 5/8" GB	4 7/8"	TO DECK	16'-6"					Yes	40
S3AT	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



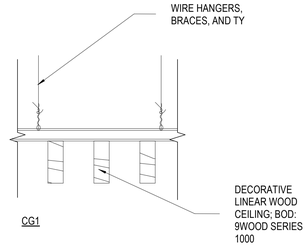
GB1



GB2



ACP1 & ACP2



CG1

B1 CEILING TYPES

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

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.

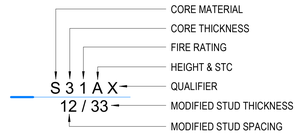
Provide bracing at 48" OC maximum at non-composite walls (walls that don't have gypsum board full height on each side of the stud).

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



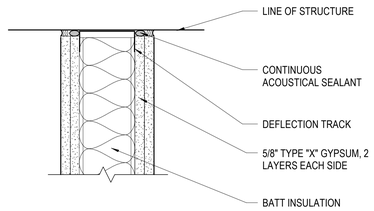
Core Material:
S - Metal Stud

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.

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}

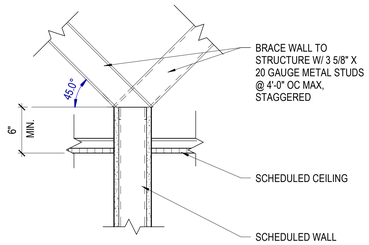
Asymmetric Modifiers:
X - Single side gypsum board
T - Glass-mat tile backing board with tile finish



STC: 53-55, FSTC: 45-47

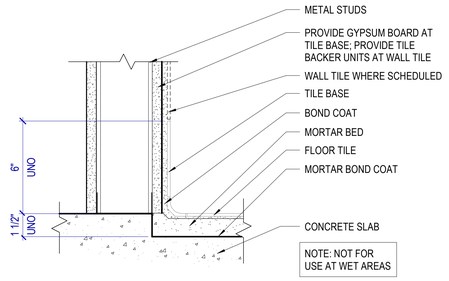
D3 WALL HEAD DETAIL

SCALE: 3" = 1'-0"



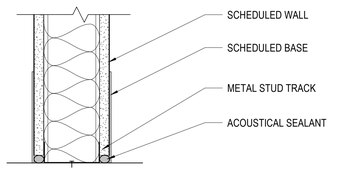
D4 WALL HEAD DETAIL

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



E3 FLOOR & BASE W/ TILED WALL

SCALE: 3" = 1'-0"



E4 WALL BASE DETAIL

SCALE: 3" = 1'-0"

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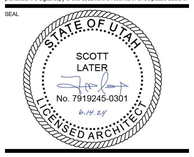

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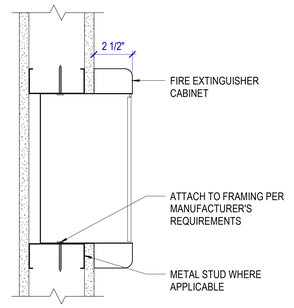
ISSUE
CONSTRUCTION DOCUMENTS
JUNE 14, 2024

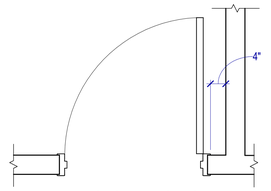
SHEET NAME
INTERIOR WALL TYPES & ASSEMBLIES

SHEET NUMBER
G500



C5 FEC @ STUD WALL - TYP

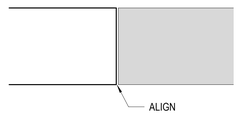
SCALE: 3" = 1'-0"



TYPICAL STUD WALLS - UNO

D5 DOOR PLACEMENT

SCALE: 3/4" = 1'-0"



ALIGN FINISH FACE OF NEW WALL WITH FINISH FACE OF EXISTING WALL WHERE NOTED THUS.

E5 WALL TO WALL ALIGNMENT

SCALE: 3" = 1'-0"

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6.14.24

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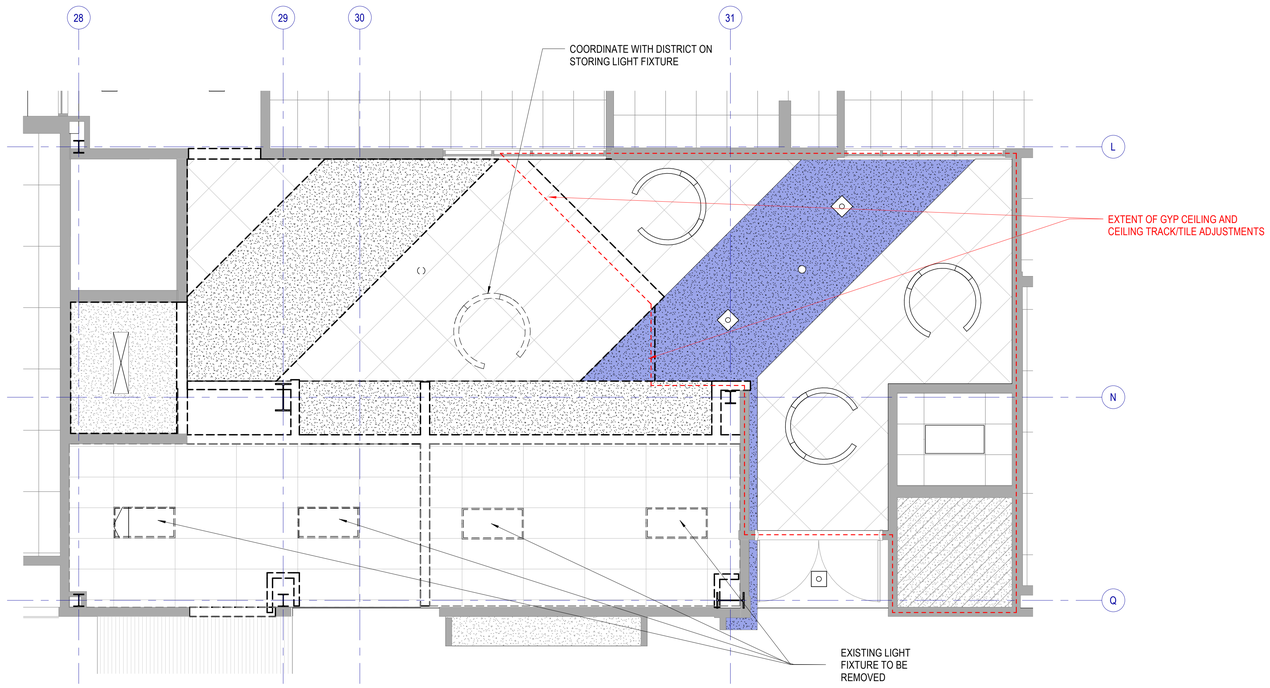
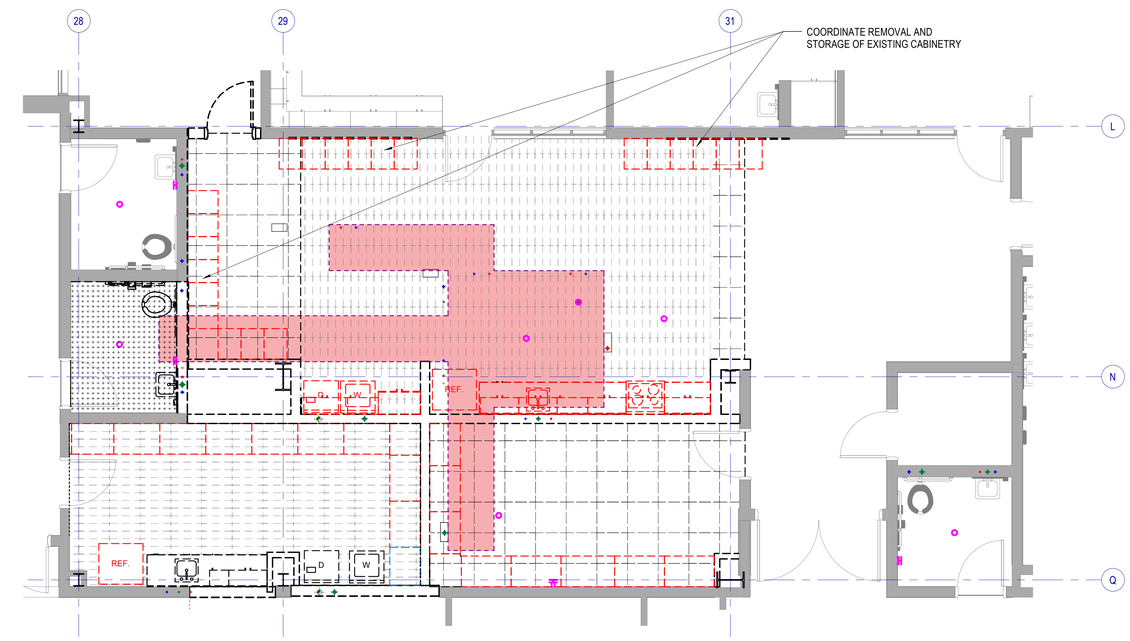
SHEET NAME
STANDARD DETAILS

SHEET NUMBER
G600



C1 DEMO FIRST FLOOR REFLECTED CEILING PLAN

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



E1 DEMOLITION FIRST FLOOR PLAN

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

DEMOLITION GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

LEGEND - DEMOLITION

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

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

KEYNOTES

265140.A03 EXISTING LIGHT FIXTURE TO BE REMOVED

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VIEW AND PRINT THIS DRAWING IN COLOR

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ISSUE
CONSTRUCTION DOCUMENTS
JUNE 14, 2024

SHEET NAME
DEMOLITION FLOOR PLAN

SHEET NUMBER
AD101

REFLECTED CEILING PLAN GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

Keynotes: Not all keynotes apply to this sheet.

LEGEND - REFLECTED CEILING PLANS

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

LEGEND - FLOOR PLAN

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

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

FLOOR PLAN GENERAL NOTES

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

RE: G200 for Fixture Mounting Heights.

RE: G500 for Interior Wall Types.

RE: G600 for typical details.

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

RE: A600 for the Door Schedule.

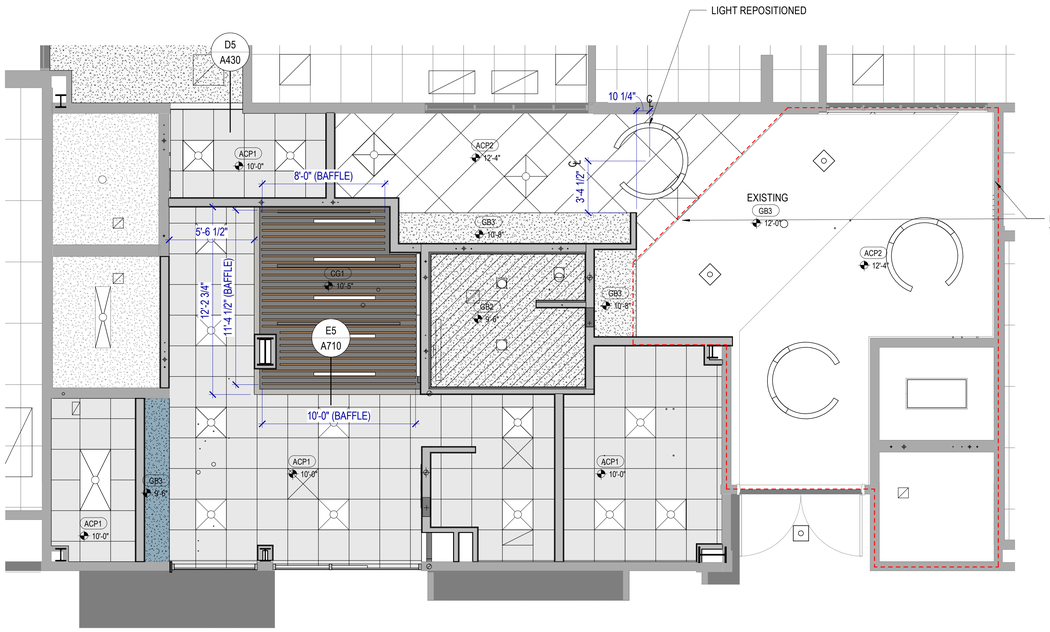
RE: A620 drawings for Window Types.

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

Keynotes: Not all keynotes apply to this sheet.

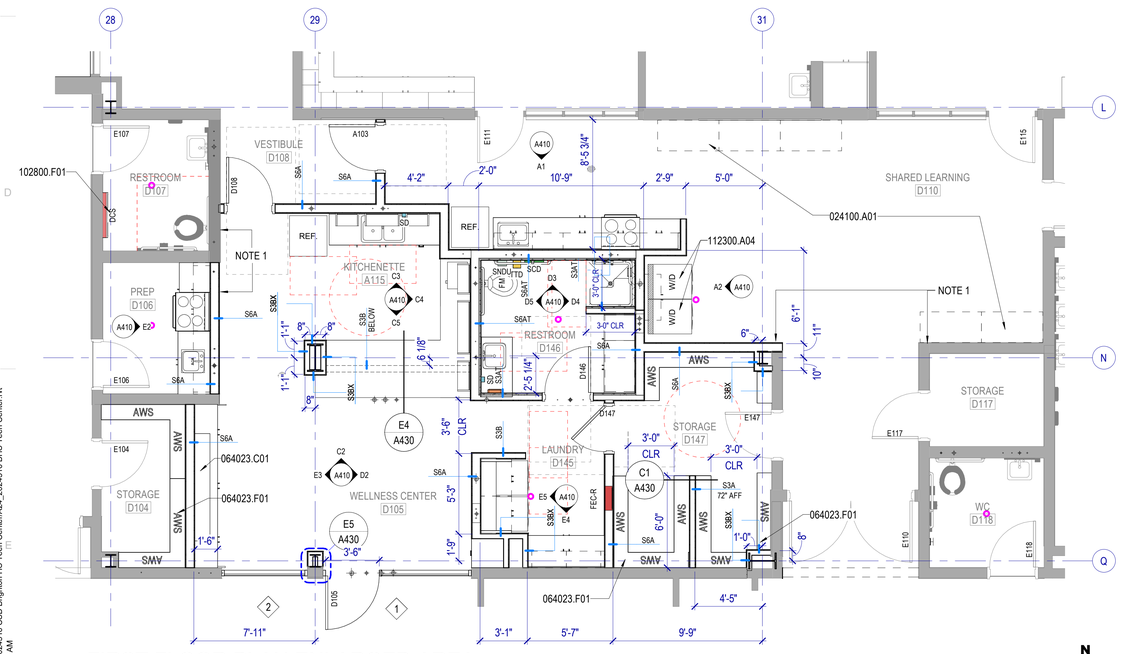
KEYNOTES

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



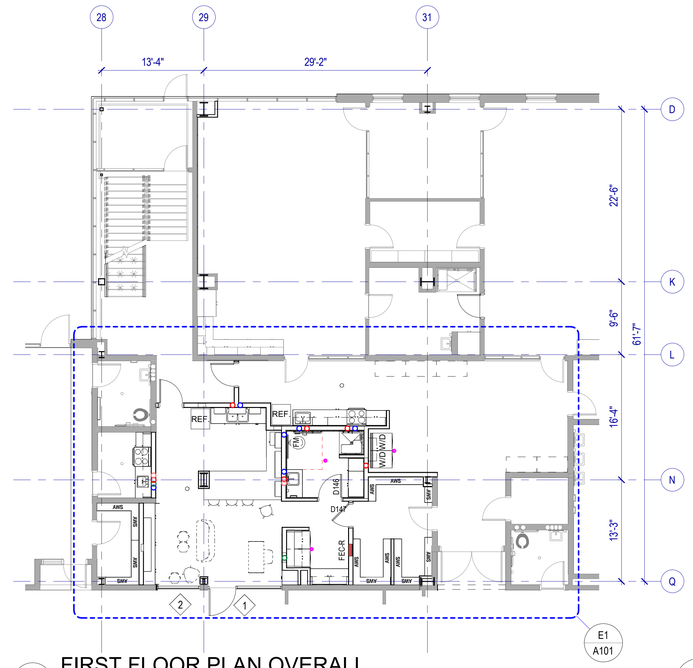
C1 FIRST FLOOR REFLECTED CEILING PLAN

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



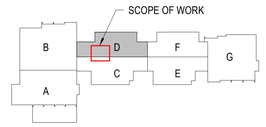
E1 FIRST FLOOR PLAN ENLARGED AREA

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



D1 FIRST FLOOR PLAN OVERALL

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



BUILDING KEYPLAN

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STATE OF UTAH — SCOTT LATER — No. 7919245-0301 — LICENSED ARCHITECT

MHTN PROJECT NO. 2024516

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ISSUE
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JUNE 14, 2024

SHEET NAME
FIRST FLOOR PLAN

SHEET NUMBER
A101

SLAB EDGE PLAN GENERAL NOTES

Coordinate with Structural.

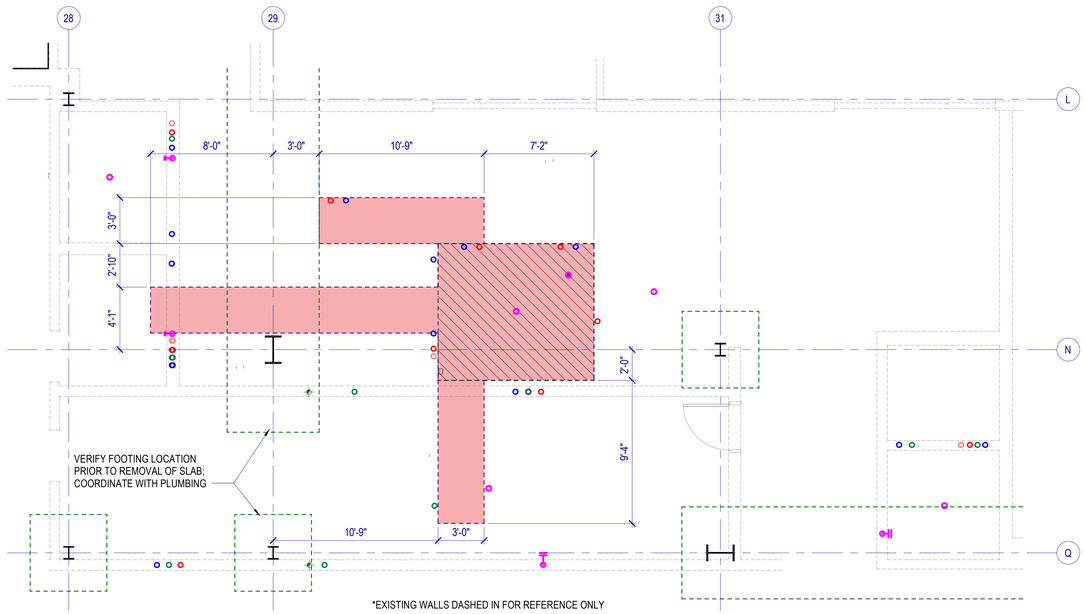
LEGEND - SLAB EDGE

EXISTING WALLS FOR REFERENCE

SLAB TO BE REMOVED AND REPLACED FOR UNDERGROUND PLUMBING

2" DEPRESSED SLAB

STRUCTURAL FOOTING LOCATION FOR REFERENCE



E1 FIRST FLOOR SLAB EDGE PLAN

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

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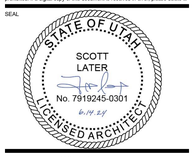

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NO.	DATE	DESCRIPTION

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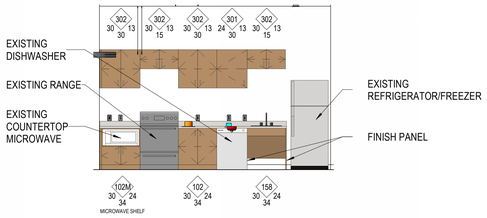
JUNE 14, 2024

SHEET NAME
FIRST FLOOR SLAB EDGE PLAN

SHEET NUMBER
A111

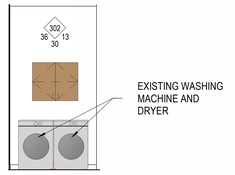
Autodesk Docs://2024516 CSD Brighton HS Teen Center/A24_2024516 BHS Teen Center.rvt
6/14/2024 9:31:46 AM



*CABINETS ARE RE-USED FROM EXISTING SPACE

A1 SPED KITCHEN

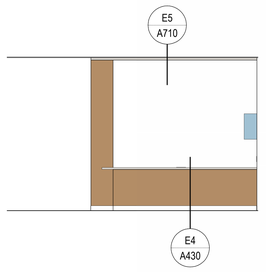
SCALE: 1/4" = 1'-0"



*CABINETS ARE RE-USED FROM EXISTING SPACE

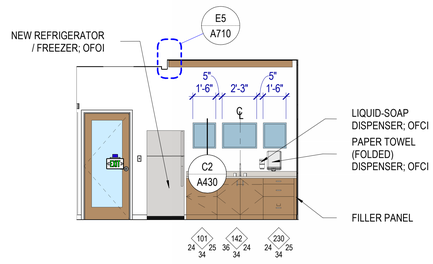
A2 SPED LAUNDRY

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



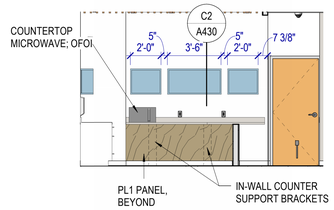
C2 SEATING AREA

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



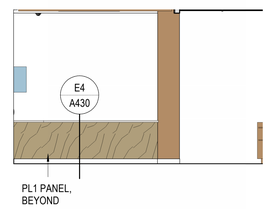
C3 KITCHEN WEST

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



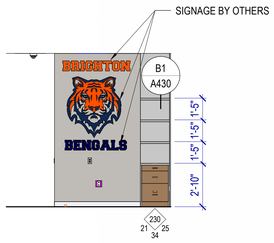
C4 KITCHEN NORTH

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



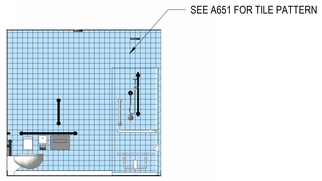
C5 KITCHEN SOUTH

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



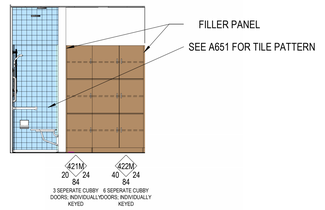
D2 BENGAL MURAL WALL

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



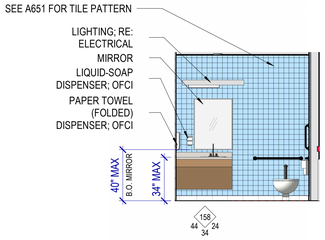
D3 RESTROOM NORTH

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



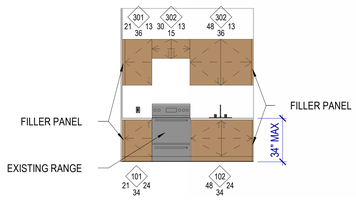
D4 RESTROOM EAST

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



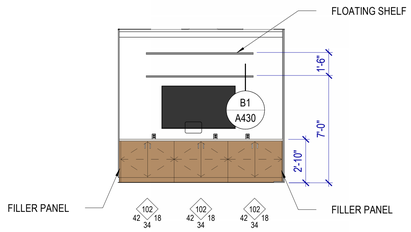
D5 RESTROOM WEST

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



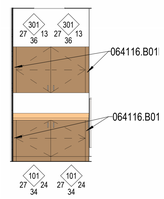
E2 PRE-K BREAK ROOM

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



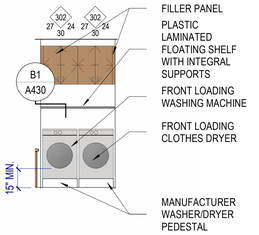
E3 LIVING ROOM

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



E4 LAUNDRY SOUTH

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



E5 LAUNDRY WEST

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

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.

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CANYONS SCHOOL DISTRICT

Canyons School District

Brighton High School Teen Center

2220 BENGAL BLVD
COTTONWOOD HEIGHTS, UT 84121

SEAL

STATE OF UTAH
SCOTT LATER
No. 7919245-0301
LICENSED ARCHITECT

MHTN PROJECT NO. 2024516

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

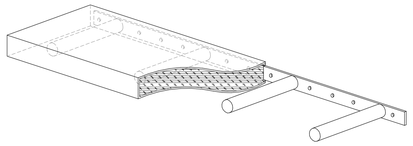
REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION

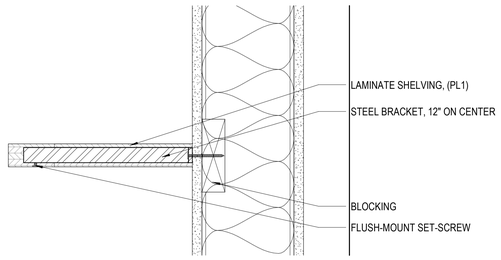
ISSUE
CONSTRUCTION DOCUMENTS
JUNE 14, 2024

SHEET NAME
INTERIOR ELEVATIONS

SHEET NUMBER
A410

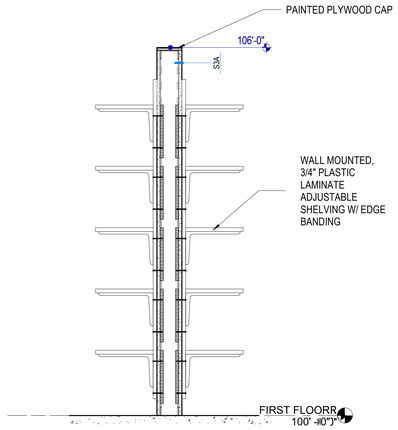


AXON VIEW OF CONCEALED BRACKET SYSTEM



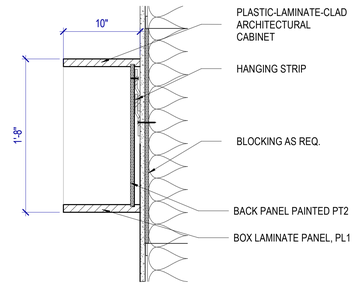
B1 FLOATING SHELF SECTION

SCALE: 3" = 1'-0"



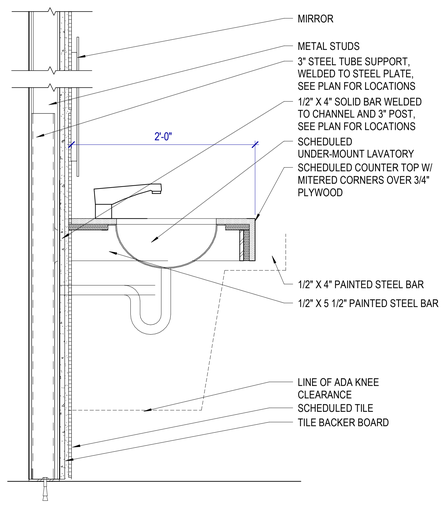
C1 SHELF WALL @ STORAGE

SCALE: 1" = 1'-0"



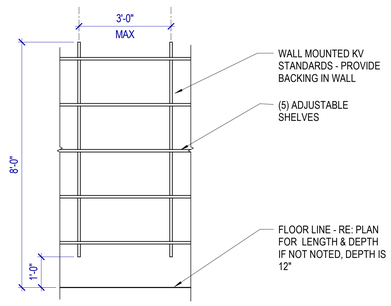
C2 FLOATING BOX SHELF

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



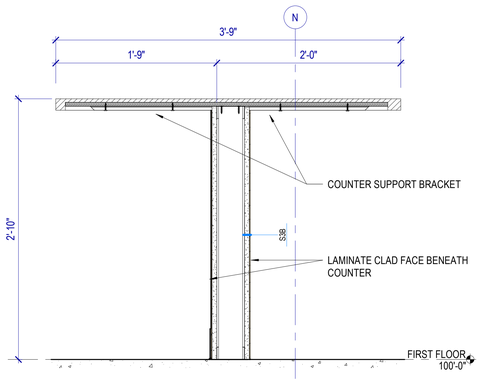
E1 SINK DETAIL

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



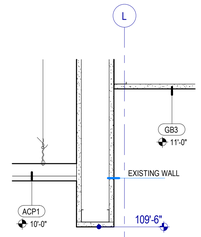
E2 ADJUSTABLE WALL SHELVING

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



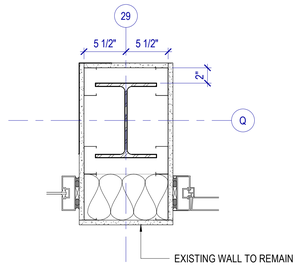
E4 WORK STATION SECTION

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



D5 HEADER DETAIL @ STAIR

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



E5 COLUMN WRAP DETAIL

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

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SEAL

STATE OF UTAH
SCOTT LATER
No. 7919245-0301
LICENSED ARCHITECT

MHTN PROJECT NO. 2024516

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

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

NO.△	DATE	DESCRIPTION

ISSUE
CONSTRUCTION DOCUMENTS
JUNE 14, 2024

SHEET NAME
PLAN DETAILS

SHEET NUMBER
A430

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.

Cabinet Design Series

- 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:

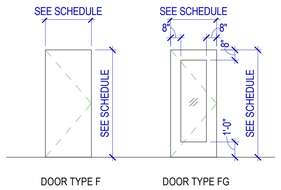
Base Cabinets w/o Drawers	100 Series
Base Cabinets w/ Drawers	200 Series
Wall Hung Cabinets	300 Series
Tall Storage Cabinets	400 Series
Tall Wardrobe Cabinets	500 Series
Library Cabinets	600 Series
Moveable Cabinets	700 Series

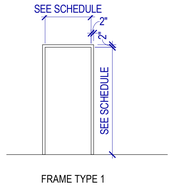
General Notes

- 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 #	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR MATERIAL	FRAME TYPE	FRAME MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	FIRE RATING (MIN)	HARDWARE SET	REMARKS	DOOR #
A103	G	3'-0"	7'-0"	1 3/4"	WD	1	HM	E1/A600	D2/2A610	E3/A600			REUSE EXISITNG HARDWARE/ACCESS CONTROL	A103
D105	FG	3'-6"	7'-0"	1 3/4"	AL		AL	D1/A600	D2/A600	E3/A600		AL01		D105
D108	FG	3'-0"	7'-0"	1 3/4"	WD	1	HM	E1/A600	E2/A600	E3/A600		02		D108
D146	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	E1/A600	E2/A600	E3/A600		01		D146
D147	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	E1/A600	E2/A600	E3/A600		03		D147
Grand total: 5														





DOOR & FRAME TYPES

DOOR SCHEDULE GENERAL NOTES

RE: A620 for the Glazing Schedule.

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

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

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

Abbreviations: Door and Frame Schedule Remarks abbreviations:

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

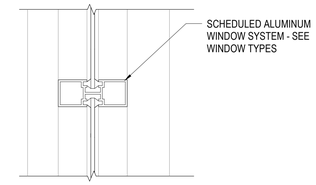
Door Numbering: Doors denoted with an "E###" are existing doors to remain.

WINDOW TYPES GENERAL NOTES

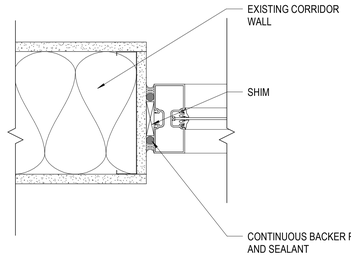
Window Frames: Frames are aluminum storefront, UNO. Finish as specified.

End Dams: Provide end dams at sill flashing.

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



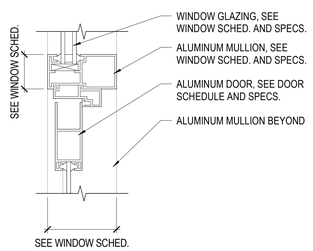
B5 MID-MULLION SECTION
SCALE: 3" = 1'-0"



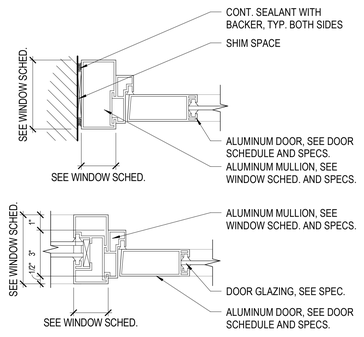
C4 HEAD/JAMB DETAIL
SCALE: 3" = 1'-0"

C5 INTERIOR WINDOW SILL DETAIL
SCALE: 3" = 1'-0"

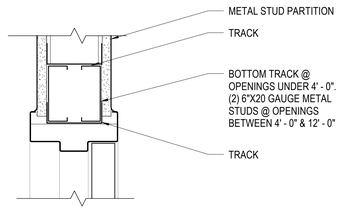
GLAZING SCHEDULE	
A02	12mm (1/2") CLEAR ANNEALED FLOAT GLASS
T02	12mm (1/2") CLEAR TEMPERED FLOAT GLASS



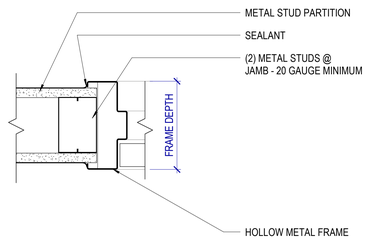
D1 (TYP.) STOREFRONT HEAD DETAIL
SCALE: 3" = 1'-0"



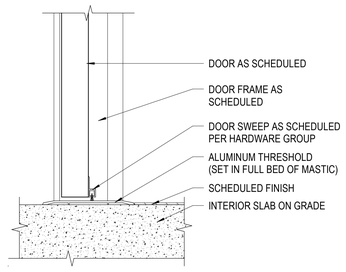
D2 (TYP.) STOREFRONT JAMB DETAIL
SCALE: 3" = 1'-0"



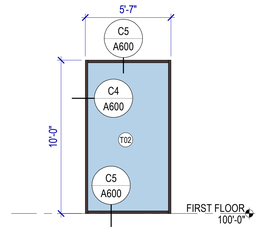
E1 HEAD DETAIL
SCALE: 3" = 1'-0"



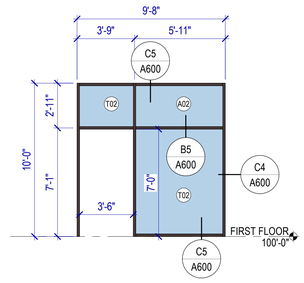
E2 JAMB DETAIL
SCALE: 3" = 1'-0"



E3 (TYP.) INTERIOR THRESHOLD
SCALE: 3" = 1'-0"



WINDOW TYPE 2
SCALE: 1/4" = 1'-0" STOREFRONT



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

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SEAL

STATE OF UTAH
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LICENSED ARCHITECT

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REVISIONS
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NO.	DATE	DESCRIPTION

ISSUE
CONSTRUCTION DOCUMENTS
JUNE 14, 2024

SHEET NAME
WINDOW & DOOR SCHEDULE & DETAILS

SHEET NUMBER
A600

FINISH SCHEDULE

RM #	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL				CEILING FINISH	CABINET FINISH	COUNTER TOP FINISH	REMARKS	RM #
				NORTH WALL FINISH	EAST WALL FINISH	SOUTH WALL FINISH	WEST WALL FINISH					
A115	KITCHENETTE	SEE PLAN	RB1	PT1, PL1	PT1, PL1	PL1	PT2, PL1	SEE RCP	PL1	SS1		A115
D104	STORAGE	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				D104
D105	WELLNESS CENTER	SEE PLAN	RB1	PT1, PT2, PL1	PT1, WCI, PL1	PT1, PT2, WC1	PT2	SEE RCP	PL1	SS1		D105
D106	PREP	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP	PL1	SS1		D106
D107	RESTROOM	NA	NA	NA	NA	NA	NA	NA	NA	NA	DIAPER CHANGING STATION TO BE ADDED	D107
D108	VESTIBULE	SEE PLAN	RB1	MATCH EXIST	MATCH EXIST	MATCH EXIST	MATCH EXIST	SEE RCP				D108
D110	SHARED LEARNING	SEE PLAN	RB1	MATCH EXIST	MATCH EXIST	MATCH EXIST	MATCH EXIST	SEE RCP	PL1	SS1		D110
D117	STORAGE	NA	NA	NA	NA	NA	NA	SEE RCP				D117
D118	WC	NA	NA	NA	NA	NA	NA	NA	NA	NA		D118
D145	LAUNDRY	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP	PL1	SS1		D145
D146	RESTROOM	SEE PLAN	WT1, WT2	WT1, WT2	WT1, WT2	WT1, WT2	WT1, WT2	SEE RCP	PL1	SS1		D146
D147	STORAGE	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				D147

FINISH SCHEDULE LEGEND

FLOOR FINISHES

CALL OUT	DESCRIPTION	SPEC SECTION	COLOR	BASIS-OF-DESIGN MANUFACTURER	BASIS-OF-DESIGN 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 FINISHES

CALL OUT	DESCRIPTION	SPEC SECTION	COLOR	BASIS-OF-DESIGN MANUFACTURER	BASIS-OF-DESIGN 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 FINISHES

CALL OUT	DESCRIPTION	SPEC SECTION	COLOR	BASIS-OF-DESIGN MANUFACTURER	BASIS-OF-DESIGN 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			

MISCELLANEOUS FINISHES

CALL OUT	DESCRIPTION	SPEC SECTION	COLOR	BASIS-OF-DESIGN MANUFACTURER	BASIS-OF-DESIGN 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		

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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CANYONS SCHOOL DISTRICT

Canyons School District

Brighton High School Teen Center

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COTTONWOOD HEIGHTS, UT 84121

SEAL

STATE OF UTAH
SCOTT LATER
No. 7919245-0301
LICENSED ARCHITECT
6.14.24

MHTN PROJECT NO. 2024516

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

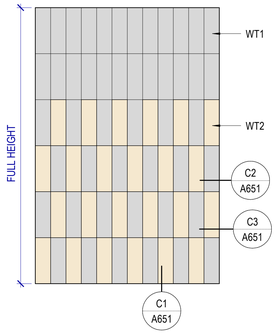
REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE

NO.△	DATE	DESCRIPTION

ISSUE
CONSTRUCTION DOCUMENTS
JUNE 14, 2024

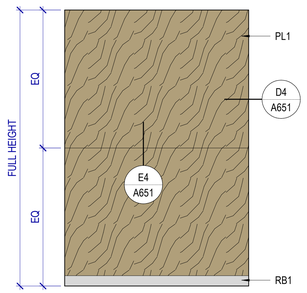
SHEET NAME
FINISH SCHEDULE

SHEET NUMBER
A640



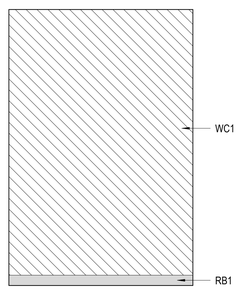
B1 WALL PATTERN TYPE 1

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



B2 WALL PATTERN TYPE 2

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



B3 WALL PATTERN TYPE 3

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

WALL FINISH LEGEND

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

PATTERN PLAN GENERAL NOTES

RE: A640 for the Finish Schedule

RE: Axxx for typical floor finish transition details

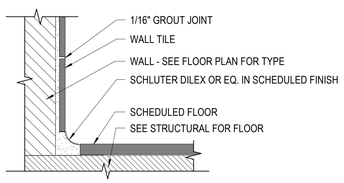
RE: Structural drawings for recessed slabs.

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

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

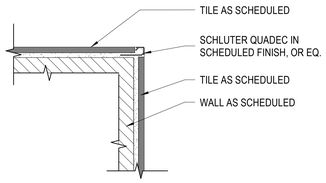
LEGEND - FLOOR PATTERN

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



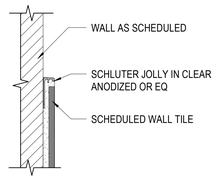
C1 TILE AT FLOOR

SCALE: 3" = 1'-0"



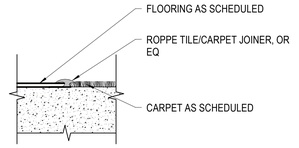
C2 TILE AT OUTSIDE CORNER

SCALE: 3" = 1'-0"



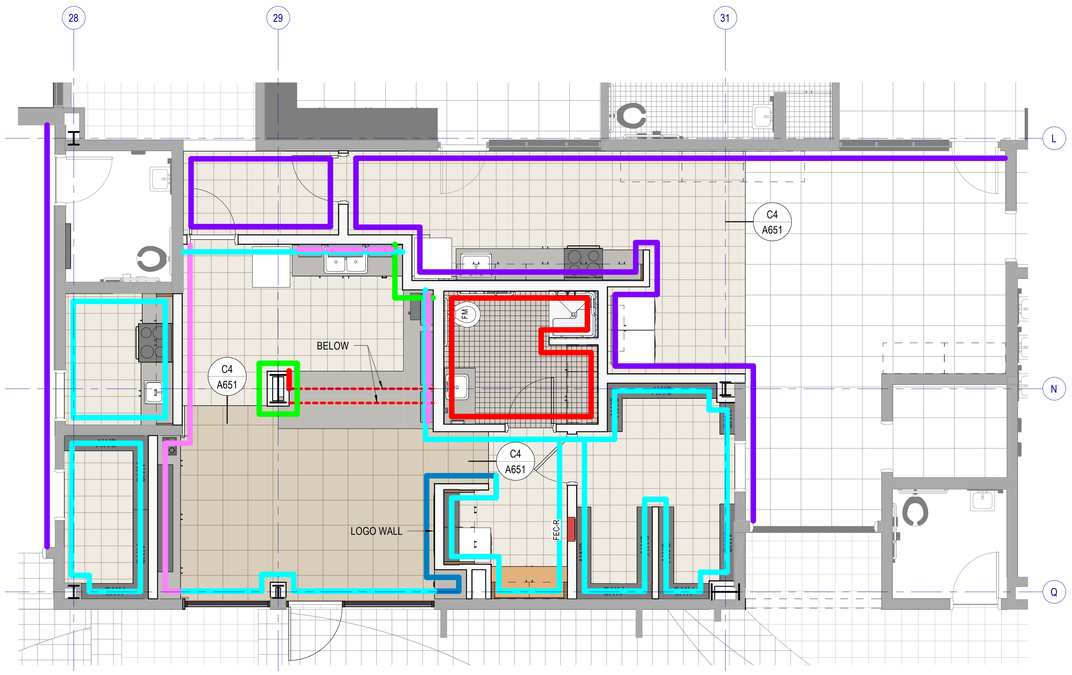
C3 TILE END CAP HOR & VERT

SCALE: 3" = 1'-0"



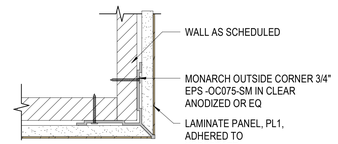
C4 CARPET TO RESILIENT

SCALE: 3" = 1'-0"



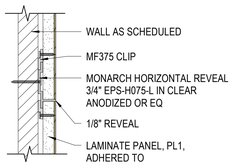
E1 FIRST FLOOR WALL PATTERN & FLOOR PATTERN PLAN

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



D4 LAMINATE OUTSIDE CORNER

SCALE: 3" = 1'-0"



E4 LAMINATE REVEAL

SCALE: 3" = 1'-0"

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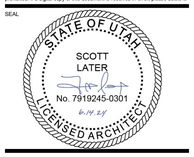


MHTN PROJECT NO. 2024516

VIEW AND PRINT THIS DRAWING IN COLOR

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

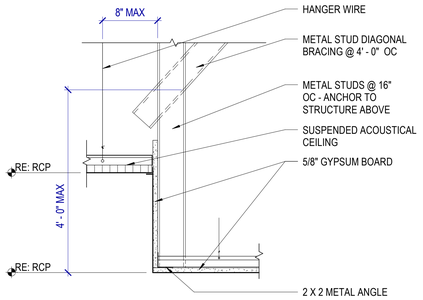
REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION

ISSUE
CONSTRUCTION DOCUMENTS
JUNE 14, 2024

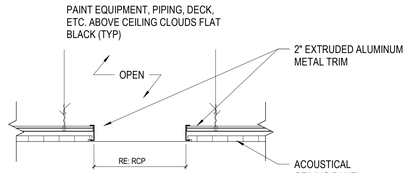
SHEET NAME
FIRST FLOOR WALL PATTERN & FLOOR PATTERN PLAN

SHEET NUMBER
A651



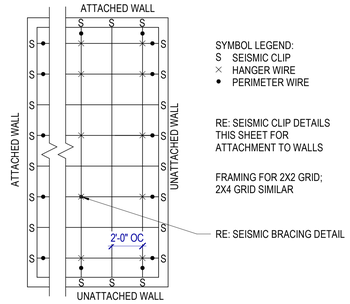
A1 CEILING DETAIL

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



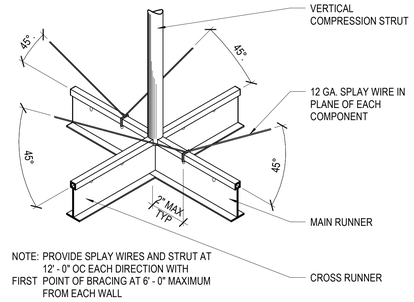
A2 CEILING DETAIL

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



A3 TYP SUSPENDED CEILING DETAIL

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



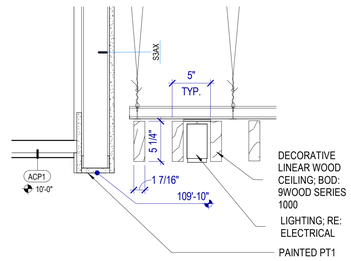
NOTE: PROVIDE SPLAY WIRES AND STRUT AT 12' - 0" OC EACH DIRECTION WITH FIRST POINT OF BRACING AT 6' - 0" MAXIMUM FROM EACH WALL

A4 SEISMIC BRACING DETAIL

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

VERTICAL COMPRESSION STRUT SCHEDULE

EMT CONDUIT	MAXIMUM SPAN
1/2"	5'-10" MAX
3/4"	7'-8" MAX
1"	9'-9" MAX
METAL STUDS	
1- 5/8" X 20 GA	12'-0"
2- 1/2" X 20 GA	13'-6"
(2)" 1- 5/8" X 20 GA	15'-0"
(2)" 2- 1/3" X 20 GA *BACK-TO-BACK	15'-0"



E5 CEILING TRANSITION

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

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ISSUE
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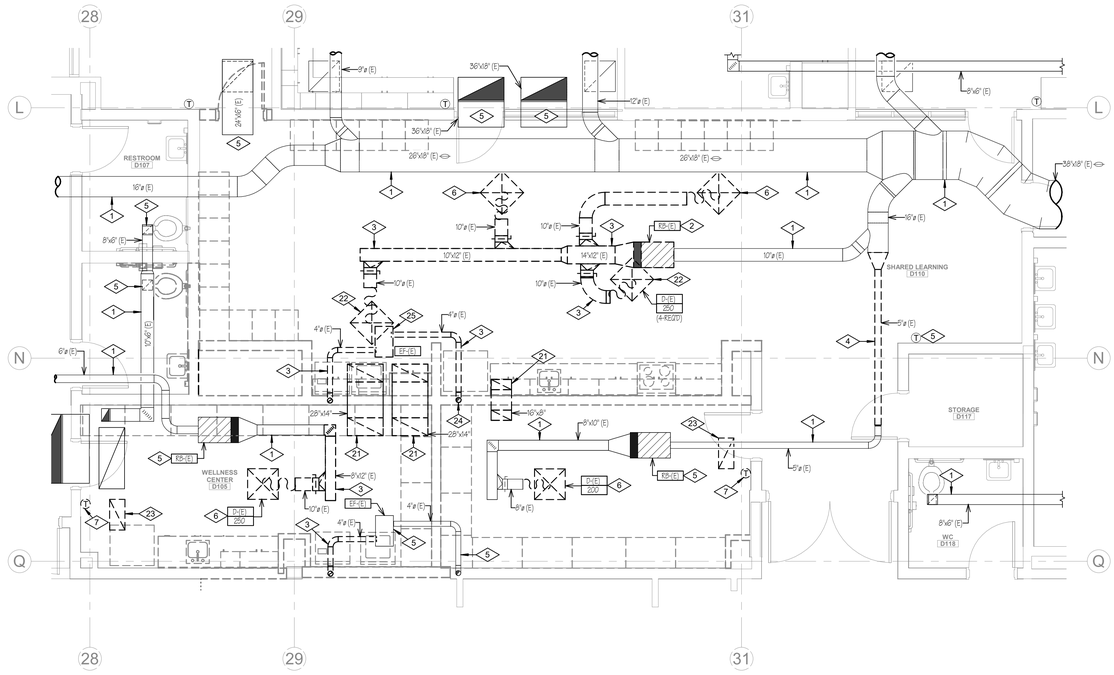
SHEET NAME
CEILING DETAILS

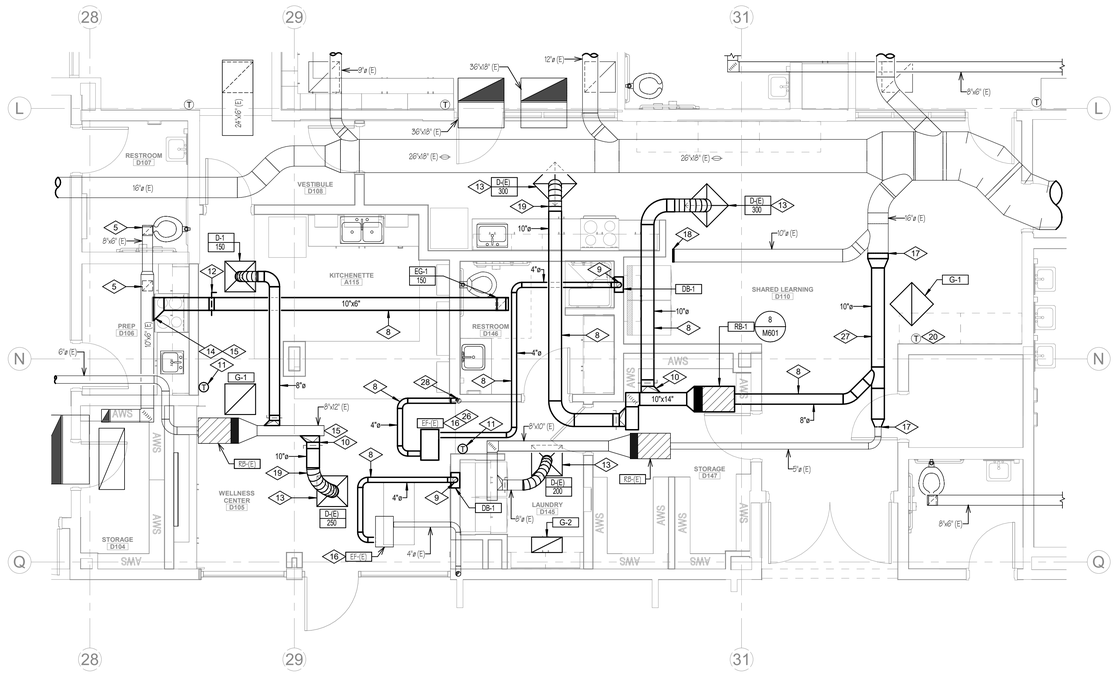
SHEET NUMBER
A710



FIRST FLOOR MECHANICAL DEMOLITION PLAN

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

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



FIRST FLOOR MECHANICAL PLAN

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

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

REFERENCE NOTES

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

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

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

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

5 EXISTING TO REMAIN.

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

7 REMOVE EXISTING THERMOSTAT AND STORE FOR RE-INSTALLATION.

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

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

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

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

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

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

14 TIE INTO EXISTING EXHAUST DUCTWORK ABOVE CEILING.

15 PATCH AND REPAIR EXISTING DUCTWORK AS NEEDED.

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

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

18 CAP EXISTING DUCTWORK AT THIS APPROXIMATE LOCATION.

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

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

21 REMOVE EXISTING TRANSFER AIR DUCT.

22 REMOVE EXISTING SUPPLY AIR DIFFUSER.

23 REMOVE EXISTING RETURN AIR GRILLE.

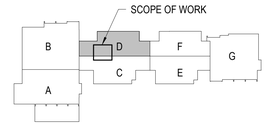
24 REMOVE 4" DIA. DRYER DUCT BACK TO DUCT RISE THRU SECOND LEVEL. PROTECT FOR RECONNECTION DURING CONSTRUCTION.

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

26 RELOCATE EXISTING DRYER BOOSTER FAN TO THIS APPROXIMATE LOCATION.

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

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



BUILDING KEYPLAN

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OLSEN & PETERSON consulting engineers, inc.
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CANYONS SCHOOL DISTRICT

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SEAL

LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 6/14/24 UTAH

MHTN PROJECT NO. 2024516

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REVISIONS
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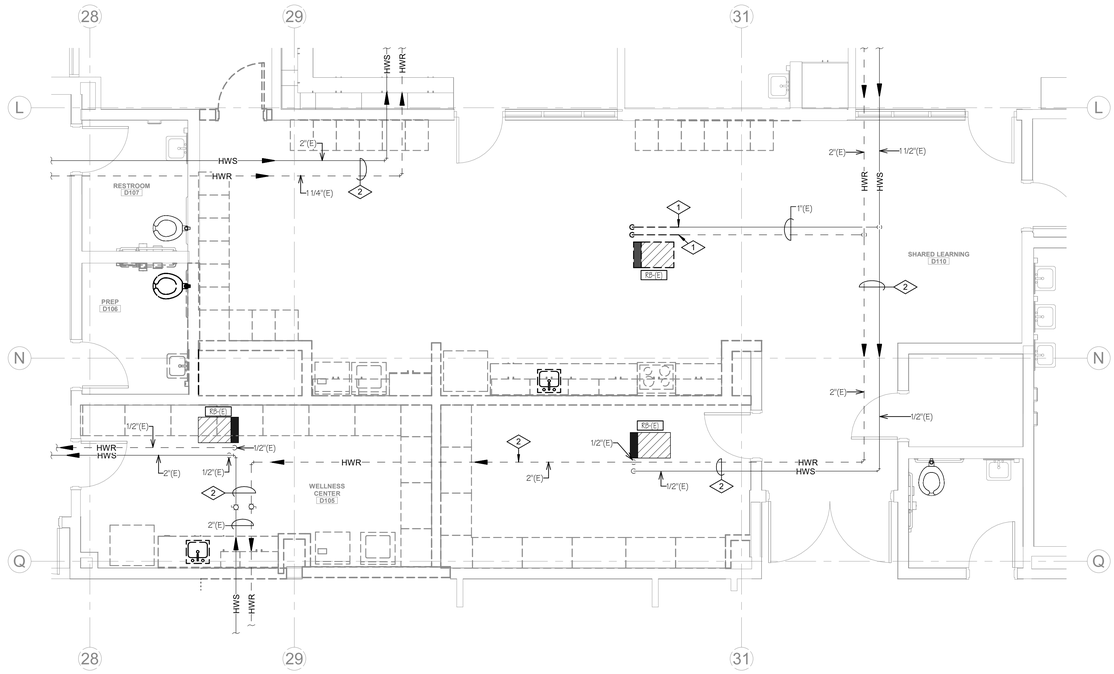
NO	DATE	DESCRIPTION

ISSUE
CONSTRUCTION DOCUMENTS
JUNE 14, 2024

SHEET NAME
FIRST FLOOR MECHANICAL PLANS

SHEET NUMBER
M101



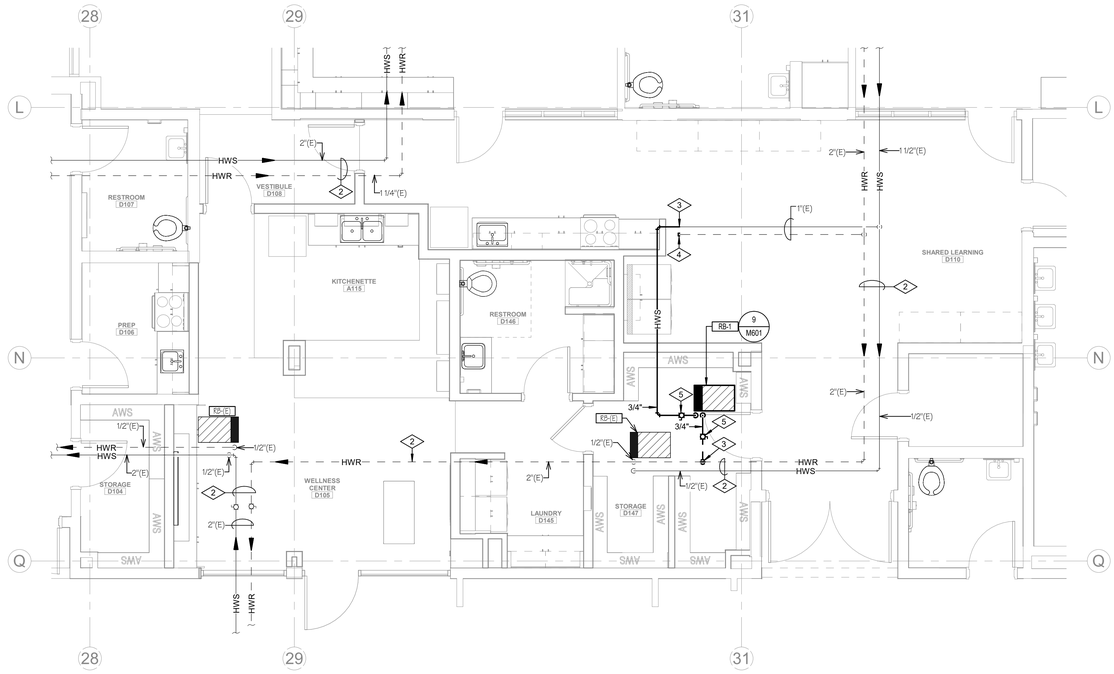
FIRST FLOOR MECHANICAL PIPING DEMOLITION PLAN

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

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

REFERENCE NOTES

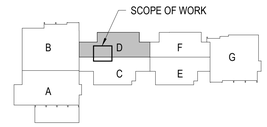
1. REMOVE EXISTING HWS & HWR PIPING BACK TO THIS APPROXIMATE LOCATION.
2. EXISTING PIPING TO REMAIN.
3. TIE INTO EXISTING PIPING ABOVE CEILING AT THIS APPROXIMATE LOCATION.
4. CAP PIPING ABOVE CEILING IN THIS APPROXIMATE LOCATION.
5. LINE SIZE BALL VALVE. VALVE MUST BE IN AN ACCESSIBLE LOCATION.



FIRST FLOOR MECHANICAL PIPING PLAN

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

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



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SEAL

LICENSED PROFESSIONAL ENGINEER
#334524-2202
JAMES AUSTIN BERRETT
6/14/2024
UTAH

MHTN PROJECT NO. 2024516

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SHEET NAME
FIRST FLOOR MECHANICAL PIPING PLANS

SHEET NUMBER
MP101

MECHANICAL EQUIPMENT SCHEDULE

DB-1 DRYER BOX: 22 GAUGE ALUMINUM IN-WALL TYPE.
MANUFACTURER: DRYERBOX
MODEL: DB-480

VAV REHEAT BOX SCHEDULE

SYMBOL	MAX CFM RANGE	MIN. CFM	INLET SIZE	A.P.D.	HEAT. CFM	RE-HEAT COIL (2)					(1)(2)(3)(4) MAKE & MODEL
						MBH	GPM	ROWS	W.P.D.	COIL SIZE	
RB-1	600-700	300	8" DIA.	.49"	300	18.0	1.8	2	.41 FT.	12" x 10"	TITUS DESV

NOTES:
(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) VAV BOXES SHALL BE 3-POSITION TYPE.

DIFFUSER SCHEDULE

SYMBOL	TYPE	FACE SIZE	NECK SIZE	LOCATION	AIR PATTERN	(1)(2) 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"	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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CANYONS SCHOOL DISTRICT

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Brighton High School Teen Center
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COTTONWOOD HEIGHTS, UT 84121

SEAL

LICENSED PROFESSIONAL ENGINEER #334524-2202 JAMES AUSTIN BERRETT 6/14/24 UTAH

MHTN PROJECT NO. 2024516

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

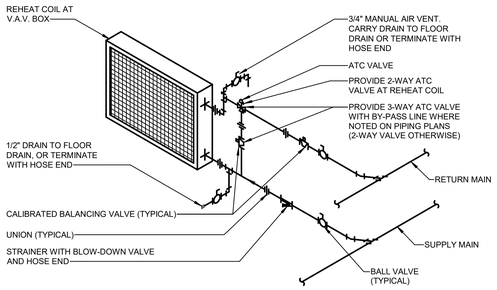
REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION

ISSUE
CONSTRUCTION DOCUMENTS
JUNE 14, 2024

SHEET NAME
MECHANICAL SCHEDULES

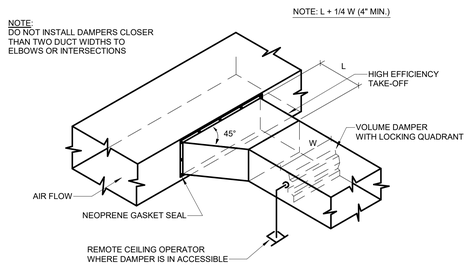
SHEET NUMBER
M501



REHEAT COIL PIPING DETAIL

SCALE: NTS

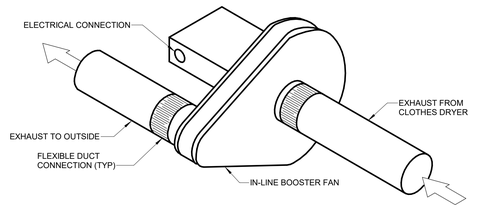
9 / M601



BRANCH DUCT TAKE-OFF DETAIL

SCALE: NTS

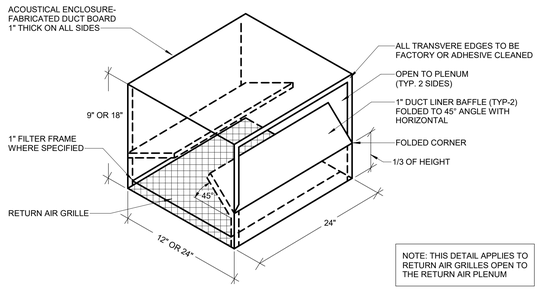
5 / M601



IN-LINE BOOSTER FAN DETAIL

SCALE: NTS

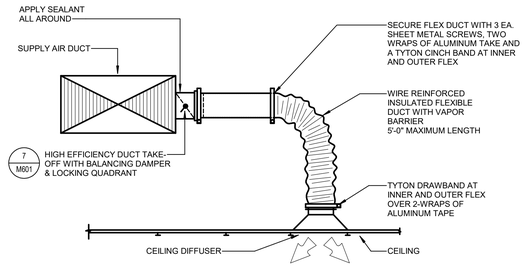
1 / M601



RETURN AIR BOOT DETAIL

SCALE: NTS

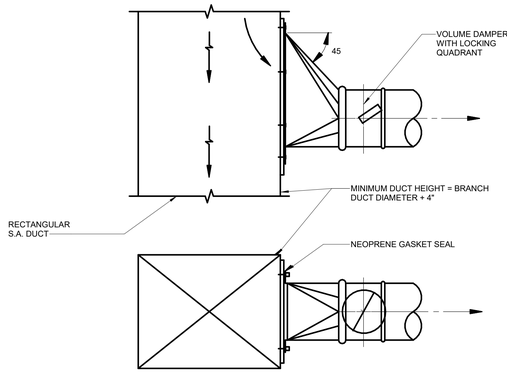
6 / M601



CEILING DIFFUSER DETAIL

SCALE: NTS

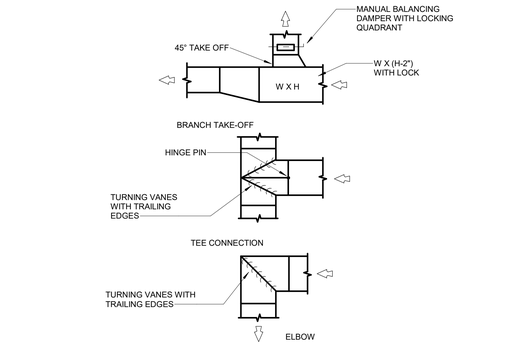
2 / M601



45 DEG. HIGH EFFICIENCY TAKE-OFF

SCALE: NTS

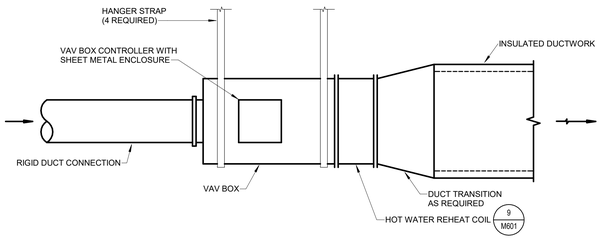
7 / M601



LOW PRESSURE DUCT DETAIL

SCALE: NTS

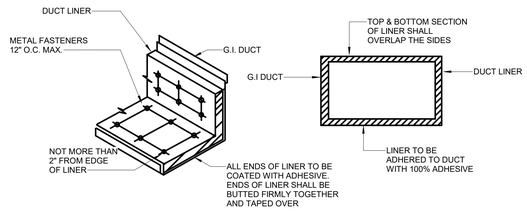
3 / M601



VAV REHEAT BOX DETAIL

SCALE: NTS

8 / M601



DUCT LINER DETAIL

SCALE: NTS

4 / M601

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SHEET NAME
MECHANICAL DETAILS

SHEET NUMBER
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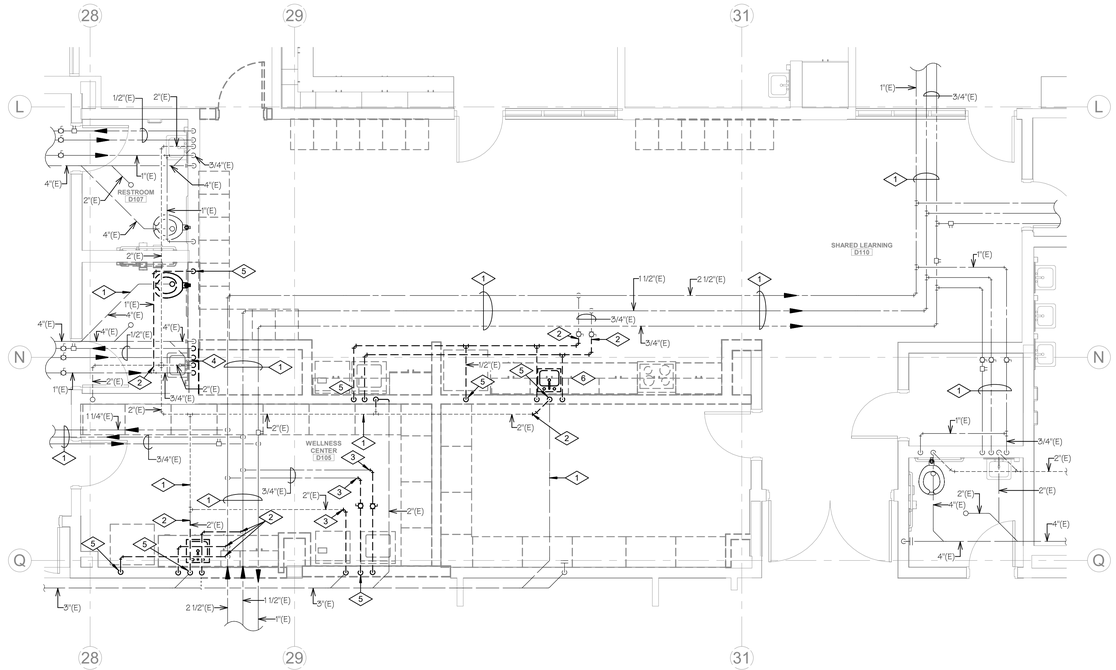


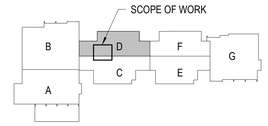
FIRST FLOOR PLUMBING DEMOLITION PLAN

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

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

REFERENCE NOTES

1. APPROXIMATE LOCATION OF EXISTING PIPING TO REMAIN. PROTECT DURING CONSTRUCTION.
2. REMOVE EXISTING PIPING BACK TO THIS APPROXIMATE LOCATION. CAP IN CEILING.
3. REMOVE EXISTING PIPING BACK TO THIS APPROXIMATE LOCATION. SEE P101 FOR NEW CONNECTION.
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.



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#334524-2202
JAMES AUSTIN BERRETT
6/13/2024
UTAH

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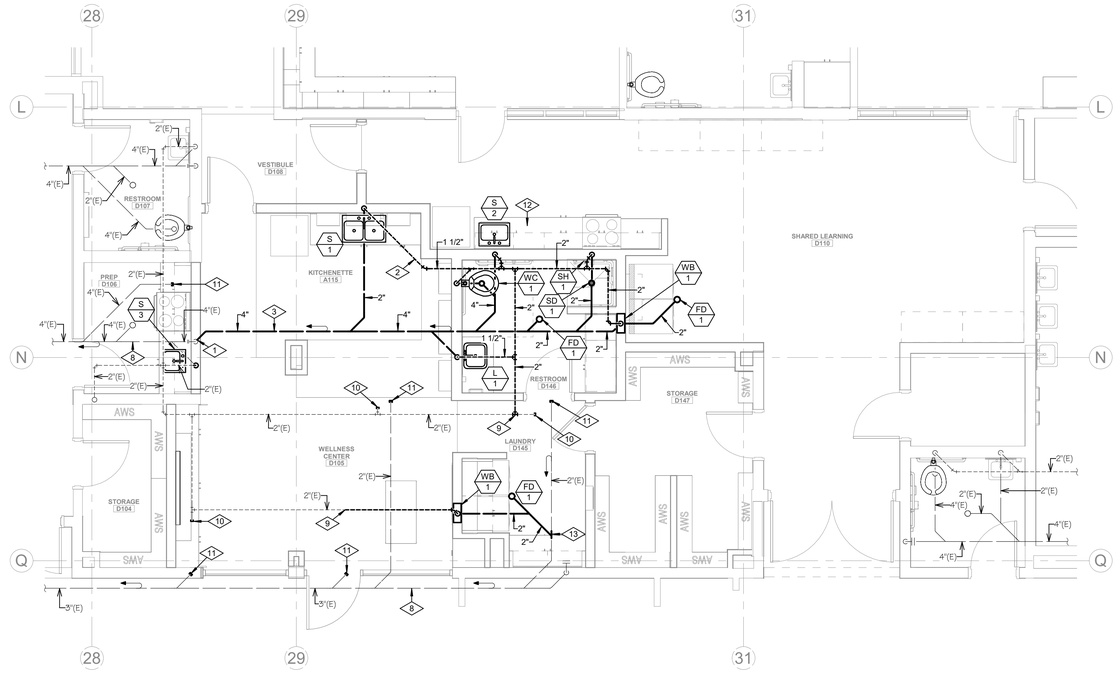
SHEET NAME
FIRST FLOOR PLUMBING DEMOLITION PLAN

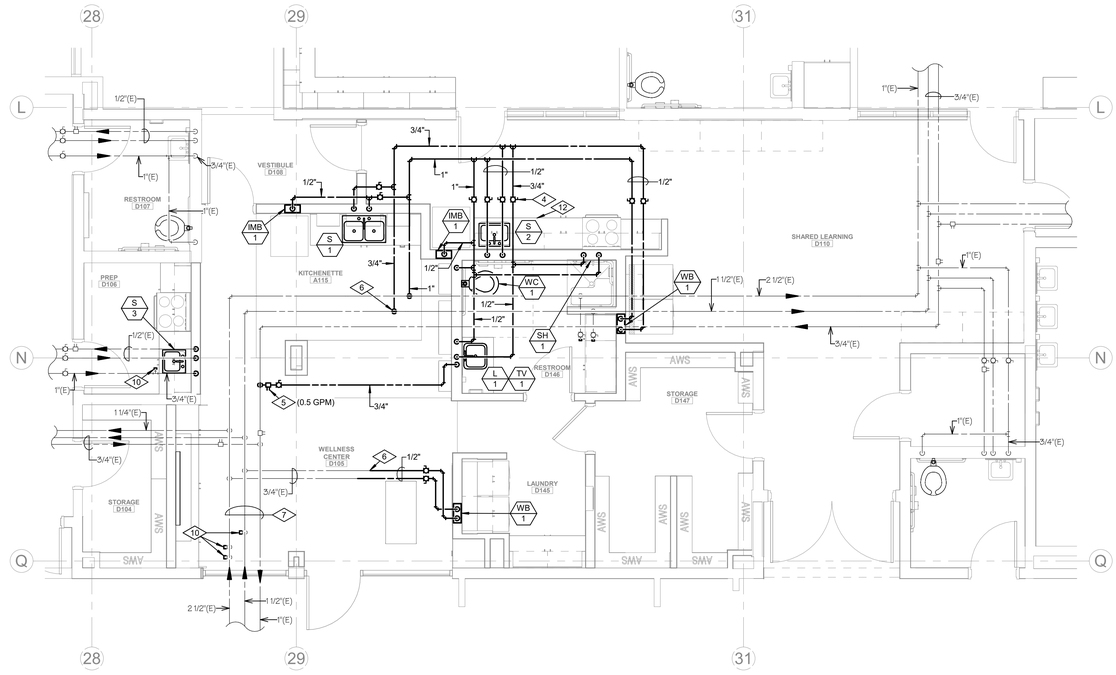
SHEET NUMBER
PD101



FIRST FLOOR PLUMBING PLAN - WASTE & VENT

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

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



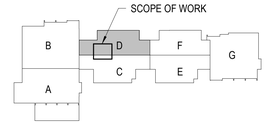
FIRST FLOOR PLUMBING PLAN - WATER SUPPLY

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

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

REFERENCE NOTES

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



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SHEET NAME
FIRST FLOOR PLUMBING PLANS

SHEET NUMBER
P101

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	WASTE	VENT	C.W.	H.W.	T	NOTES
WC 1	WATER CLOSET	4"	2"	1"	--	--	FLOOR MOUNTED - BATTERY FLUSH VALVE
L 1	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	1/2"	UNDER MOUNTED - (ADA) W/ASSE TV-1
TV 1	TEMPERING VALVE	--	--	1/2"	1/2"	1/2"	SINGLE LAV. ASSE 1070 MOUNT UNDER LAVATORY
S 1	SINK	1-1/2"	1-1/2"	1/2"	1/2"	--	2- COMPARTMENT - UNDER MOUNTED KITCHEN
S 2	SINK	1-1/2"	1-1/2"	1/2"	1/2"	--	SINGLE COMPARTMENT - UNDER MOUNTED SHARED LEARNING
S 3	SINK	1-1/2"	1-1/2"	1/2"	1/2"	--	SINGLE COMPARTMENT - UNDER MOUNTED PREP ROOM
WB 1	WASHER BOX	2"	2"	1/2"	1/2"	--	SEE DETAIL 1/P601
IMB 1	ICE MAKER BOX	--	--	1/2"	--	--	--
FD 1	FLOOR DRAIN	2"	1-1/2"	--	--	--	WITH DEEP SEAL P-TRAP AND ASSE TRAP GUARD
SD 1	SHOWER DRAIN	2"	1-1/2"	--	--	--	WITH DEEP SEAL P-TRAP CHROME STRAINER
SH 1	SHOWER HEAD	--	--	1/2"	1/2"	--	SEE SPECIFICATIONS

BRANCH WATER LINE SCHEDULE

FIXTURE	FIXTURE UNITS	TOTAL QUANTITY OF FIXTURES SERVED BY A GIVEN PIPE SIZE					
		1/2"	3/4"	1"	1 1/4"	1-1/2"	2"
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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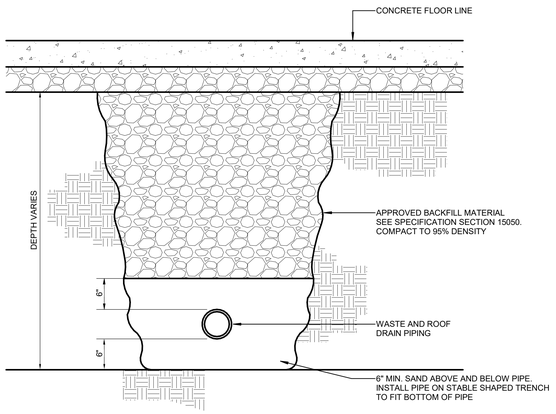
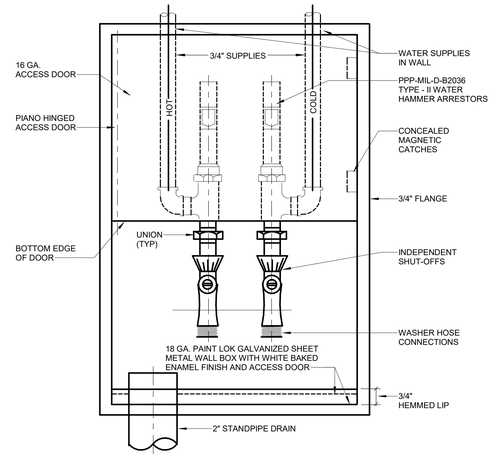
P501



TYPICAL WASTE & ROOF DRAIN TRENCH DETAIL

SCALE: NTS

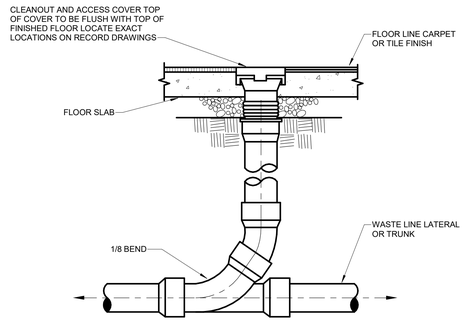
4 / P601



WASHER ROUGH-IN DETAIL

SCALE: NTS

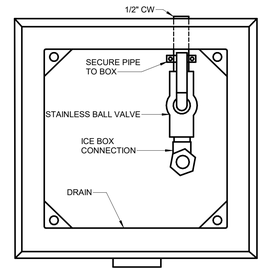
1 / P601



FLOOR CLEANOUT DETAIL

SCALE: NTS

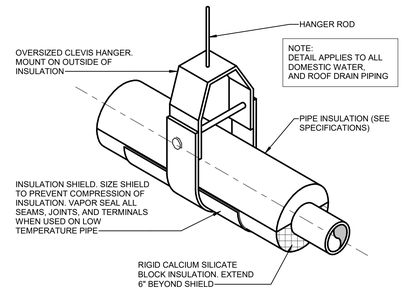
5 / P601



ICE MAKER BOX PIPING DETAIL

SCALE: NTS

2 / P601



PIPE SUPPORT DETAIL (PLUMBING)

SCALE: NTS

3 / P601

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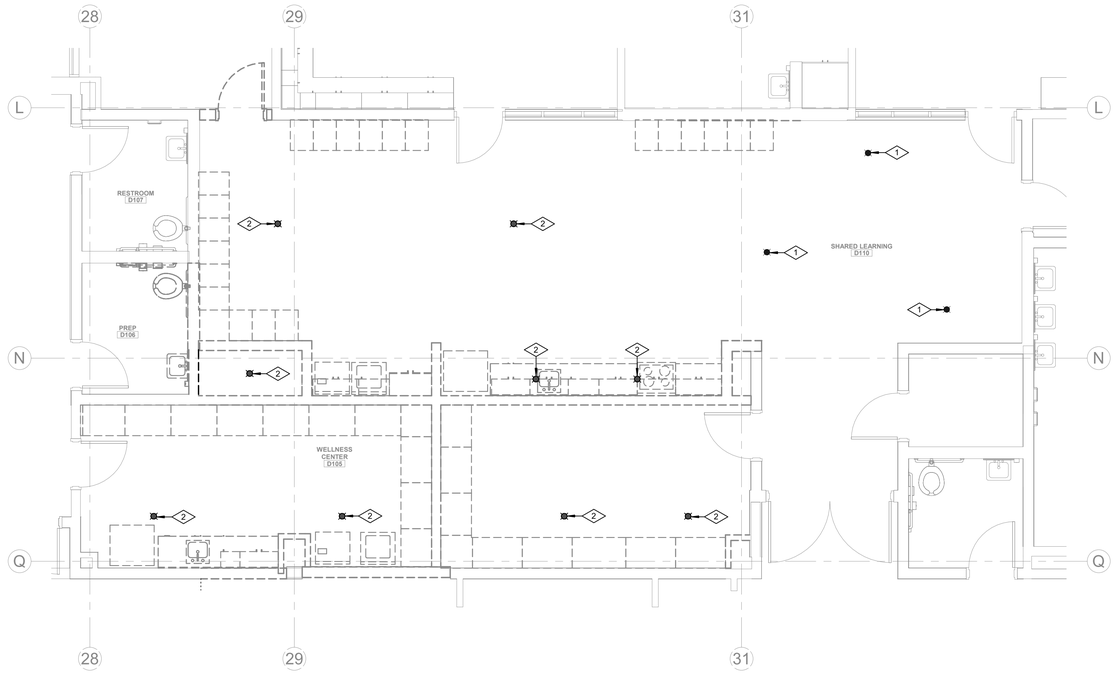


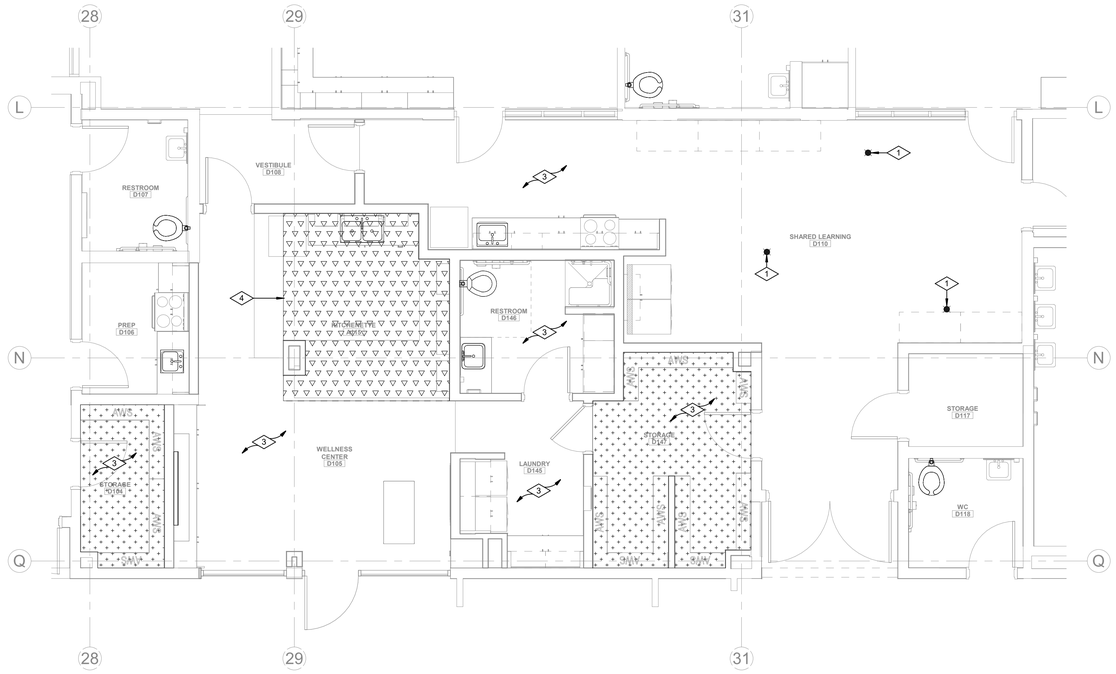
FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN

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

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

REFERENCE NOTES

1. EXISTING FIRE SPRINKLER HEAD TO REMAIN.
2. REMOVE AND REPLACE EXISTING FIRE SPRINKLER HEADS AS REQUIRED FOR NEW WALLS AND CEILINGS. RELOCATE AND REINSTALL WHEN POSSIBLE. COORDINATE WITH ARCHITECTURAL CEILING PLAN.
3. NEW FIRE SPRINKLER HEADS REQUIRED AT AREA OF REMODEL. (TYPICAL)
4. COORDINATE SPRINKLER HEADS LAYOUT WITH ARCHITECTURAL CEILING SYSTEM.



FIRST FLOOR FIRE PROTECTION PLAN

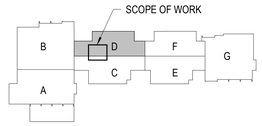
0 2' - 0" 4' - 0" 8' - 0"

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

FIRE PROTECTION LEGEND

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

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



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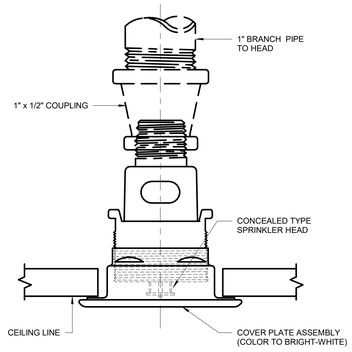
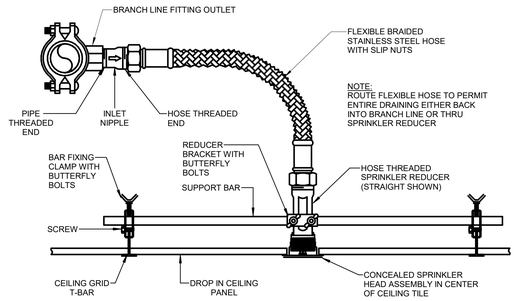
FP101



CONCEALED SPRINKLER HEAD DETAIL

1 / FP601

SCALE: NTS



FIRE SPRINKLER CONNECTION DETAIL

2 / FP601

SCALE: NTS

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 GIRDER 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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CANYONS SCHOOL DISTRICT

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

SEAL

LICENSED PROFESSIONAL ENGINEER
#334524-2202
JAMES AUSTIN BERRETT
6/13/24
UTAH

MHTN PROJECT NO. 2024516

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

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

NO.	DATE	DESCRIPTION

ISSUE
CONSTRUCTION DOCUMENTS
JUNE 14, 2024

SHEET NAME
FIRE PROTECTION DETAILS

SHEET NUMBER
FP601

SECURITY			
CCTV	IP SURVEILLANCE CAMERA - SEE CAMERA SURVEILLANCE TYPE SCHEDULE	AS NOTED	9. 10. 12.
NVR	NETWORK VIDEO RECORDER / SERVER		12.
DC	ACCESS CONTROL DOOR / WINDOW SWITCH / CONTACT	DOOR JAMB	12.
DC X	SPECIALIZED SWITCH / CONTACT (GARAGE DOOR, ROOF ACCESS DOOR / HATCH)		12.
KX X	DR=DOOR RELEASE, LD=LOCKDOWN, PE=PUSH TO EXIT, DB=DURESS / PANIC T=TRANSMITTER, R=RECEIVER, H=HARDWIRED		12.
MD MD	INTRUSION MOTION DETECTOR SOLID - WALL MOUNTED, DASHED = CEILING		12.
GB GB	GLASS BREAK DETECTOR SOLID = WALL MOUNTED, DASHED = CEILING		12.
AS AS	INTRUSION DETECTION ALARM SIREN AND/OR STROBE		12.
PI	INTRUSION DETECTION POP-IT MODULE		12.
KP	INTRUSION DETECTION KEYPAD (ARM/DISARM)		12.
INT	IP TWO-WAY AUDIO & VIDEO INTERCOM (ANSWERING BASE STATION & DOOR STATION)		12.
ML	ELECTROMAGNETIC LOCK (MAG LOCK)		8. 12.
SC SC	SMOKE & C/O DETECTOR COMBO; SOLID = WALL MOUNTED, DASHED = CEILING		12.
SH SH	SMOKE & HEAT DETECTOR COMBO: SOLID = WALL MOUNTED, DASHED = CEILING		12.
DH	SECURITY ELECTROMAGNETIC DOOR HOLDER	AS NOTED	8. 12.
ES	ELECTRIFIED DOOR STRIKE	DOOR JAMB	8. 12.
DP	INTRUSION DETECTION DOOR / WINDOW CONTACT	DOOR JAMB	12.
EL	ELECTRIFIED DOOR LOCK	DOOR JAMB	8. 12.
RX	ACCESS CONTROL REQUEST TO EXIT MOTION		8. 12.
EC	ELECTRIFIED EXIT RIM DEVICE (CRASH BAR)		8. 12.
CR	ACCESS CONTROL CREDENTIAL CARD READER	+46"	1. 12.
BR	ACCESS CONTROL BIOMETRIC READER	+46"	1. 12.
KS	KEY OVERRIDE SWITCH	+46"	1. 12.
ICR	INTEGRATED LOCKSET WITH CREDENTIAL CARD READER		8. 12.
KCR	ACCESS CONTROL CREDENTIAL CARD READER WITH KEYPAD	+46"	1. 12.
WS	SECURITY WORKSTATION		12.
ACS	ACCESS CONTROL SYSTEM HEAD-END CONTROL PANEL		12.
IDS	INTRUSION DETECTION SYSTEM HEAD-END CONTROL PANEL		12.
PSP	POWER SUPPLY PANEL FOR ELECTRIFIED DOOR HARDWARE EQUIPMENT		12.

ABBREVIATIONS INDEX

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
#	NUMBER	MH	MANHOLE
AC	ALTERNATING CURRENT	MIC	MICROPHONE
A.F.F.	ABOVE FINISH FLOOR	MIN	MINIMUM
AIC	AMPS INTERRUPTING CAPACITY	MTG	MOUNTING
AM	AMPS METER	MTR	MOTOR
AMP	AMPERE	N/A	NOT APPLICABLE
ANN	ANNUNCIATOR	NC	NORMALLY CLOSED
ATS	AUTOMATIC TRANSFER SWITCH	NEC	NATIONAL ELECTRICAL CODE
AUX	AUXILIARY	NEMA	NATIONAL ELECT. MANUFAC. ASSOC.
AWG	AMERICAN WIRE GAUGE	NFPA	NATIONAL FIRE PROTECTION ASSOC.
BC	BARE COPPER	N.I.C.	NOT IN CONTRACT
BFG	BELOW FINISH GRADE	NO	NORMALLY OPENED
C	CONDUIT	NTS	NOT TO SCALE
CAB	CABINET	OS & Y	OUTSIDE SCREW & YOKE
CATB	COMMUNITY ANTENNA TELEVISION	PB	PUSHBUTTON
CATV	CABLE TELEVISION	PF	POWER FACTOR
CKT	CIRCUIT	PFR	PHASE FAILURE RELAY
CLG	CEILING	PNL	PANEL
CNTR	CONTRACTOR	PT	POTENTIAL TRANSFORMER
C.O.	CONDUIT ONLY	PVC	POLYVINYL CHLORIDE CONDUIT
CRT	COMPUTER TERMINAL	(R)	RELOCATE
CT	CURRENT TRANSFORMER	RECEP	RECEPTACLE
CU	COPPER	REQ	REQUIREMENT
C/W	COMPLETE WITH	RLA	RATED LOAD AMPS
DB	DECIBEL	RMP	ROCKY MOUNTAIN POWER
DC	DIRECT CURRENT	RMS	ROOT MEAN SQUARE
DWG	DRAWING	SE	SERVICE ENTRANCE
(E)	TO REMAIN, UNLESS OTHERWISE NOTES	SPEC	SPECIFICATIONS
EC	EMPTY CONDUIT	SPKR	SPEAKER
EG	EMERGENCY GENERATOR	SS	SELECTOR SWITCH
EMT	ELECTRICAL METALLIC TUBING	SW	SWITCH
EX	EXPLOSION PROOF	SWBD	SWITCHBOARD
FACP	FIRE ALARM CONTROL PANEL	SWGR	SWITCHGEAR
FC	FOOT CANDLE	TTB	TELEPHONE TERMINAL BOARD
FT	FOOT	TTC	TELEPHONE TERMINAL CABINET
GFI	GROUND FAULT INTERRUPTER	TV	TELEVISION
GND	GROUND	TYP	TYPICAL
GRC	GALVANIZED RIGID CONDUIT	UG	UNDERGROUND
HP	HORSE POWER	UPS	UNINTERRUPTED POWER SUPPLY
HZ	HERTZ	V	VOLT (KV=KILOVOLT)
IFC	INTERNATIONAL FIRE CODE	VAR	VOLT-AMPS/REACTIVE
IG	ISOLATED GROUND	VM	VOLT METER
IMC	INTERMEDIATE METALLIC CONDUIT	W	WATTS
IN	INCH	W/	WITH
J-BOX	JUNCTION BOX	WH	WATTHOUR METER
KV	KILOVOLT	W/O	WITHOUT
KVA	KILOVOLT AMPERES	WP	WEATHERPROOF
KVAR	KILOVARS	XFMR	TRANSFORMER
KW	KILOWATT	XFMR SW	TRANSFER SWITCH
LRA	LOCKED ROTOR AMPS	XP	EXPLOSION PROOF
LTG	LIGHTING	1P	SINGLE-PHASE
MNF	MANUFACTURER	2P	TWO-POLE
MAX	MAXIMUM	3P	THREE-POLE
MB	MAIN BUS	4P	FOUR-POLE
MCC	MOTOR CONTROL CENTER	Ø	PHASE
MCM	1000 CIRCULAR MILLS		

GENERAL NOTES

1. CONSULT ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES.
2. 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.
3. 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.
4. SEE SECTION 265100 (16510) OF THE SPECIFICATION FOR REQUIRED COORDINATION MEETINGS WITH MECHANICAL AND CEILING CONTRACTORS.
5. 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.
6. SEE SPECIFICATION FOR ENERGY SAVING LAMP AND BALLAST REQUIREMENTS.
7. FINISHES OF ALL LIGHT FIXTURES SHALL BE AS SELECTED BY ARCHITECT.
8. 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.
9. 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.
10. ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED.
11. 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.
12. CIRCUITS EXTENDING OVER 70' FOR 120 VOLT AND 115' FOR 277 VOLT 20 AMP CIRCUITS SHALL BE RUN WITH CONDUCTORS PER TABLE BELOW.

20 AMP MINIMUM BRANCH CIRCUIT CONDUCTOR SIZING		
MAXIMUM LENGTH	BRANCH CIRCUIT 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. #6 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 WITH 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

EXISTING SYSTEMS INFORMATION AND VENDOR CONTACTS (INCLUDE WITHIN BID)

BIDDING DIVISION 26 CONTRACTOR RESPONSIBLE FOR EXPANDING EXISTING SYSTEMS FOR THIS REMODEL PROJECT. PROVIDE A TURN-KEY SOLUTION AND BUILD-OUT FOR ALL IMPACTED SYSTEMS I.E. INTERCOM, FIRE ALARM, ACCESS CONTROL AND INTRUSION,

INTERCOM SYSTEM - EXISTING RAULAND TCU SYSTEM

COMPANY	MARSHALL INDUSTRIES
CONTACT	Dustin McCleve
CELL PHONE NO.	(801) 870-1475
OFFICE PHONE NO.	(801) 266-2428
EMAIL	dustin.mccleve@marshallind.com

EXTEND AND REWORK SPEAKERS AND CIRCUITS AS NEEDED. PROVIDE NEW CEILING SPEAKERS, CALL SWITCHES,MODULES, EQUIPMENT, ETC. AND CIRCUITS TO EXISTING RACK AS REQUIRED. MATCH SYSTEM WIRING. UPDATE PROGRAMMING.

FIRE ALARM SYSTEM - EXISTING GAMEWELL FCI E3 SYSTEM

COMPANY	NELSON FIRE
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/NOTIFICATION CIRCUITS TO ACCOMMODATE NEW FIRE ALARM DEVICES AS REQUIRED. MATCH SYSTEM WIRING. UPDATE PROGRAMMING.

ACCESS CONTROL SYSTEM - 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 CIRCUITS AS REQUIRED. PROVIDE NEW MODULE CARDS AND ASSOCIATED EQUIPMENT REQUIRED. UPDATE PROGRAMMING.

INTRUSION SYSTEM - EXISTING BOSCH INTRUSION SYSTEM

COMPANY	NELSON FIRE
CONTACT	Ashley Nelson & Toby Timothy
PHONE NO.	(801) 652-7991
EMAIL	(801) 468-8300
WORK ORDER NO.	ashley@nelsonfire.com toby@nelsonfire.com

PROVIDE NEW INTRUSION DEVICES E.G. DOOR CONTACTS, MOTION DETECTORS, ETC. AND CIRCUITS TO EXISTING PANEL. PROVIDE NEW MODULE CARDS AS REQUIRED. UPDATE PROGRAMMING.

SYMBOL LEGEND

NOTES:

1. SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE.
2. HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISHED FLOOR.
3. REFER TO DRAWINGS FOR DIRECTIONAL ARROWS.
4. SUBSCRIPT INDICATES FIXTURES TO BE CONTROLLED.
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.

STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS

GENERAL

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

MULTIPLE SYSTEM SYMBOLS

R	RECEPTACLE SWITCH PACK		ABOVE CEILING		J F	JUNCTION BOX (T" 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.
	DUPLEX RECEPTACLE		+18" OR AS NOTED	2. 9. 11.		NON-FUSED DISCONNECT SWITCH	+60"	5. 6.
A	DUPLEX RECEPTACLE			9.	F	FUSED DISCONNECT SWITCH	+60"	5. 6.
G	5mA GFCI CIRCUIT BREAKER PROTECTED RECEPTACLE			13.	B	BREAKER DISCONNECT SWITCH	+60"	5. 6.
WP	WEATHERPROOF RECEPTACLE		+24" OR AS NOTED	2. 9.	S	SINGLE POLE SWITCH	+46"	2. 4.
	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE		+18" OR AS NOTED	2. 9.	S^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.
	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

	CEILING LIGHT FIXTURE		CEILING	1.	PP	POWER PACK	ABOVE CEILING	SEE DIAGRAM, SPEC.
	WALL LIGHT FIXTURE		AS NOTED	1.	RC X	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.	S^3	THREE-WAY SWITCH	+46"	2. 4.
	LIGHT FIXTURE		AS NOTED	1.	S^4	FOUR-WAY SWITCH	+46"	2. 4.
	EGRESS LIGHT FIXTURE		AS NOTED	1.	S^K	KEY OPERATED SWITCH	+46"	2. 4.
	AREA LIGHT POLE AND FIXTURE POST TOP LIGHT POLE AND FIXTURE		CONCRETE BASE	1. 14. SEE DIAGRAM	S^P	SWITCH WITH PILOT LIGHT	+46"	2. 4.
	BOLLARD		CONCRETE BASE	1. 14. SEE DIAGRAM	S^D	VARIABLE INTENSITY SWITCH	+46"	2. 4.
	STEP LIGHT FIXTURE		AS NOTED	1.	S^{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.		DUAL TECH. WALL MOUNTED OCCUPANCY SENSOR (SUBSCPT 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.
TC	TIME CLOCK		+60"	2.		DIGITAL DAYLIGHT SENSOR	CEILING	SEE DIAGRAM, SPEC.

POWER - ALL 120V RECEPTACLES SHALL BE CONSIDERED TAMPERPROOF

IG	ISOLATED GROUND RECEPTACLE		+18" OR AS NOTED	2. 9.		PLUGMOLD	+46" OR AS NOTED	2. SEE SPEC.
U	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.
	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.
	CORD DROP			SEE DIAGRAM		MAIN DISTRIBUTION PANEL		
	CORD REEL			SEE DIAGRAM		TELEPHONE DEMARCATION BOARD		
	TOMBSTONE RECEPTACLE				CLG	EQUIPMENT CEILING RACK	CEILING	
	POWER POLE					EQUIPMENT 4-POST RACK / CABINET	AS NOTED	18. SEE SPEC.
EV EVP	SINGLE / DUAL PORT ELECTRICAL VEHICLE CHARGER					EQUIPMENT 2-POST RACK	AS NOTED	18. SEE SPEC.
M	UTILITY METER / CT CABINET		+72"	6.				

TELECOMMUNICATIONS

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

FIRE ALARM

	BELL		+94"	2.	S	SMOKE DETECTOR	CEILING	
C	CHIME / STROBE		+94" / CEILING	2.	SC	SMOKE/CARBON MONOXIDE DETECTOR	CEILING	
F	FIRE ALARM MANUAL STATION		+46"	2.	C	CARBON MONOXIDE DETECTOR	CEILING	
H	FIRE ALARM SIGNAL HORN / STROBE		+94" / CEILING	2.	H	HEAT DETECTOR	CEILING	
H CLG	CONCEALED FIRE ALARM HORN / STROBE		CEILING		D	DUCT SMOKE DETECTOR		MTD. IN DUCT
H	CONCEALED FIRE ALARM HORN / STROBE WALL		+94"	2.	D	FIRE/SMOKE DAMPER		
E	FIRE ALARM SPEAKER / STROBE		+94" / CEILING	2.		DOOR HOLDER	AS NOTED	
E CLG	CONCEALED FIRE ALARM SPEAKER / STROBE		CEILING		FS	FLOW SWITCH		
E	CONCEALED FIRE ALARM SPEAKER / STROBE WALL		+94"	2.	TS	TAMPER SWITCH		
S	FIRE ALARM STROBE		+94" / CEILING	2.	WF	WATER FLOOD INDICATOR		
S CLG	CONCEALED FIRE ALARM STROBE		CEILING			O.S. & Y. VALVE		SEE DIAGRAM
S	CONCEALED FIRE ALARM STROBE WALL		+94"	2.	R	FIRE ALARM RELAY OR SECURITY RELAY		
K	FIRE ALARM SPEAKER ONLY		+94" / CEILING	2.	CM	FIRE ALARM CONTROL MODULE		
B	FIRE ALARM STROBE WITH BLUE COLORED LENS (CO VISUAL ALARM)		+94" / CEILING	2.	MM	FIRE ALARM MONITOR MODULE		
ANN	FIRE ALARM ANNUNCIATOR PANEL		+58"	2. SEE DIAGRAM	TWZ	TWO-WAY COMMUNICATION SYSTEM CONTROL PANEL	+46"	2.
V	ASPIRATING SMOKE DETECTION SYSTEM		CEILING	MOUNT AS PER MFR.	TW	TWO-WAY COMMUNICATION SYSTEM CALL STATION	+46"	2.
B	BEAM DETECTOR			MOUNT AS PER MFR.	R	FIRE ALARM RELAY		

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SEAL

BRIAN HICKS 7709372 LICENSED PROFESSIONAL ENGINEER STATE OF UTAH

MHTN PROJECT NO. 2024516

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

NO	DATE	DESCRIPTION

ISSUE
CONSTRUCTION DOCUMENTS
JUNE 14, 2024

SHEET NAME
ELECTRICAL SYMBOLS AND NOTES

SHEET NUMBER
E001

SHEET KEYNOTES

D1 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 OBSTRUCTS CONSTRUCTION.

D2 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.

E1 EXISTING 120/208Y & 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 WITHIN EXISTING PANELBOARD TO ALLOW FOR SPACE FOR NEW BREAKERS. UTILIZE EXISTING CIRCUIT BREAKERS THAT WERE FREED DURING CONSTRUCTION WHEN NECESSARY/AVAILABLE. PROVIDE NEW UPDATED TYPED INDEX CARD IDENTIFYING NEW AND REMAINING CIRCUITS.

E3 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 REQUIRED. SEE SPECS AND SEE E301 SHEET FOR NEW REQUIREMENTS.

E4 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 PANEL. SEE E301 SHEET FOR NEW REQUIREMENTS.

E5 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 SHEET FOR NEW REQUIREMENTS.

E6 LOCATION OF EXISTING RAULAND TCU INTERCOM TERMINATION LOCATION. PROVIDE NEW INTERCOM CONNECTIVITY TO ACCOMMODATE NEW INTERCOM DEVICES AS REQUIRED. SEE E301 SHEET FOR NEW REQUIREMENTS.

GENERAL SHEET NOTE

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

EXISTING OVERALL MAIN FLOOR ELECTRICAL PLAN
SCALE = 1" = 30'-0"

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SEAL

MHTN PROJECT NO. 2024516

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ISSUE
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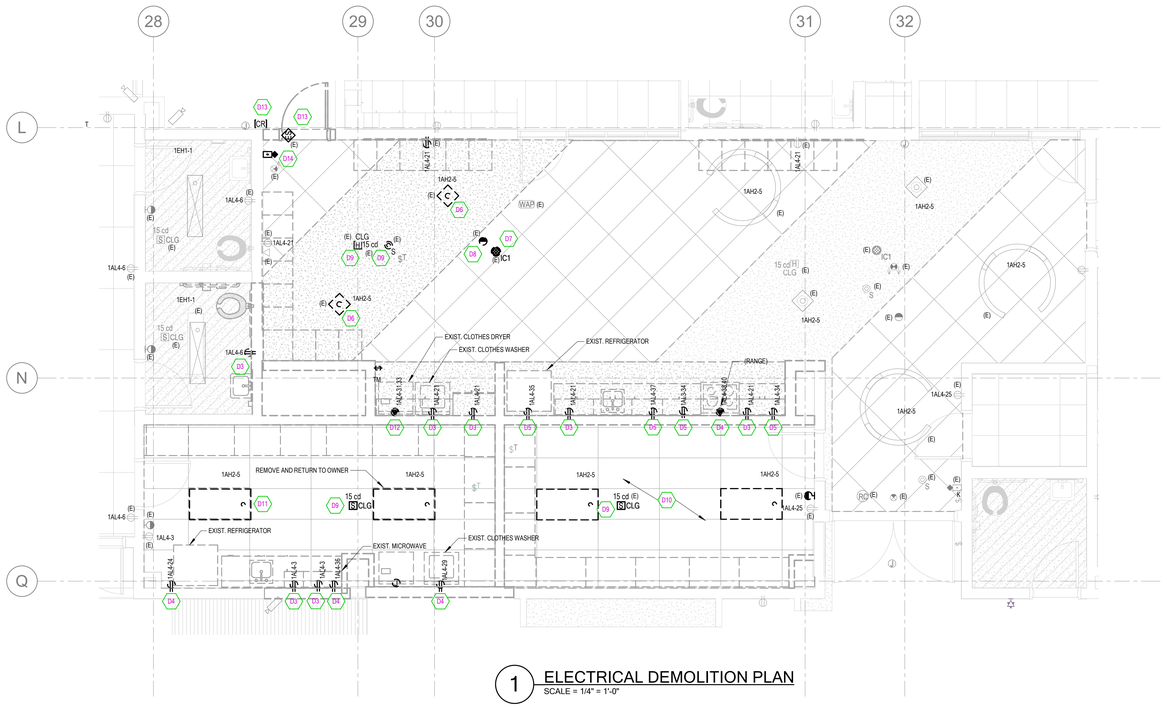
JUNE 14, 2024

SHEET NAME
OVERALL ELECTRICAL PLAN

SHEET NUMBER
E101



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

GENERAL SHEET NOTE

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2. REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING DEMOLITION DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
3. DURING DEMOLITION AND NEW CONSTRUCTION, THE CONTINUATION OF BUILDING SYSTEMS MAY BE NECESSARY. TRACE AND IDENTIFY EXISTING ELECTRICAL SYSTEM (POWER, LIGHTING, FIRE ALARM AND SECURITY) WIRING IN AREAS PRIOR TO DEMOLITION. ELECTRICAL CONTRACTOR SHALL DISCONNECT ALL NECESSARY EQUIPMENT TO MAKE IT SAFE FOR DEMOLITION. WHERE LIVE CIRCUITS OR FEEDERS PASS THROUGH A REMODEL AREA, CONTRACTOR SHALL MAINTAIN ELECTRIC CONTINUITY TO AND PROTECT BRANCH CIRCUITS AND/OR FEEDERS PASSING THROUGH. WHERE FEEDERS AND/OR BRANCH CIRCUITS FEED BOTH LOADS IN A REMODELED AREA AND OUTSIDE OF A REMODELED AREA, CONTRACTOR SHALL DISCONNECT AND REMOVE PORTIONS OF THE ELECTRICAL BRANCH CIRCUITS AND/OR FEEDERS WITHIN THE REMODELED AREA AND REWORK BRANCH CIRCUITS AND/OR FEEDERS TO MAINTAIN ELECTRICAL CONTINUITY TO LOADS OUTSIDE OF THE REMODELED AREA.
4. DEVICES AND EQUIPMENT TO BE DEMOLISHED SHALL BE REMOVED, INCLUDING ALL RELATED CONDUCTORS, RACEWAY, JUNCTION AND SPLICE BOXES UP TO THE PANELBOARD/SWITCHBOARD. ALL CONDUITS AND BOXES THAT ARE SURFACE MOUNTED AND NO LONGER REQUIRE ACTIVE CIRCUITS SHALL BE COMPLETELY REMOVED. DEVICES TO BE REMOVED ON DRYWALL OR PLASTER TYPE WALLS THAT ARE TO REMAIN SHALL HAVE THE WALL SURFACE PATCHED TO MATCH THE EXISTING FINISH. THE CONTRACTOR SHALL IDENTIFY ALL DEMOLISHED AND ABANDONED BRANCH CIRCUITS. THESE SHALL BE NOTED AS SPARE ON PANELBOARD SCHEDULES. THIS INCLUDES IDENTIFYING EXISTING ABANDONED AND SPARE CIRCUITS THAT ARE CURRENTLY IDENTIFIED AS USED. THE CONTRACTOR SHALL FURNISH NEW TYPED DIRECTORIES FOR ALL PANELBOARDS.
5. THE OWNER HAS THE RIGHT TO RETAIN ALL SALVAGEABLE MATERIAL. ANY MATERIAL THE OWNER CHOOSES NOT TO ACCEPT SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR.
6. FULLY COORDINATE MECHANICAL EQUIPMENT ELECTRICAL CONNECTION REMOVAL AND RELOCATION WITH THE MECHANICAL CONTRACTOR.
7. CONTRACTOR TO VERIFY THAT ALL EXISTING EQUIPMENT THAT IS TO REMAIN, BE REMOVED AND RE-INSTALLED ARE IN WORKING CONDITIONS. CONTRACTOR IS TO PROVIDE OWNER WRITTEN DOCUMENTATION OF ANY ITEMS NOT IN WORKING CONDITION PRIOR TO COMMENCING WORK IN AN AREA.
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9. WHERE DEVICES OR EQUIPMENT IS TO BE RELOCATED, CONTRACTOR SHALL EXTEND EXISTING CIRCUITING TO NEW LOCATION. ENSURE CIRCUIT CONTINUITY FOR OTHER DEVICES OR EQUIPMENT ON THE SAME BRANCH CIRCUIT.
10. WHERE FLOORS ARE BEING REMOVED AND/OR REPLACED, CONTRACTOR SHALL PROTECT ELECTRICAL FEEDERS AND BRANCH CIRCUITS WHICH ARE EITHER TO REMAIN PERMANENTLY OR UNTIL DEMOLITION IN FUTURE PHASING WHILE STRUCTURAL WORK IS PERFORMED. PROVIDE ALL NECESSARY LABOR AND MATERIALS TO PERFORM WORK AS COORDINATED WITH THE CONSTRUCTION MANAGER.
11. ANY FIRE ALARM DEVICE(S) REMOVED DURING DEMOLITION ARE REQUIRED TO BE RELOCATED IN THE LOCATION NECESSARY TO PROVIDE COVERAGE PER NFPA 72, AND CIRCUITED SAME AS BEFORE. FIRE ALARM DEVICE(S) ARE NOT ALLOWED TO BE LOCATED CENTER OF ANY ROOM OR SPACE. IF MORE FIRE ALARM DEVICES ARE REQUIRED CONTRACTOR SHALL PROVIDE THEM COMPLETELY. REFER TO SHEET E401 FOR MORE INFORMATION. SEE NEW SHEET FOR NEW FIRE ALARM INFORMATION. REMOVE EXISTING FIRE ALARM DEVICE (S) AS NECESSARY FOR REMOVAL OF CEILING SYSTEM. RE-INSTALL ONCE NEW CEILING IS INSTALLED.
12. REMOVE VOICE/DATA CABLING BACK TO DATA ROOM UNLESS NOTED OTHERWISE.
13. PROVIDE BLANK COVERPLATE ON ALL EXISTING BOXES LOCATED IN MASONRY THAT ARE NOT BEING RE-USED. PROVIDE BLANK COVERPLATE ON ALL UNUSED BOXES.
14. COORDINATE THE DEMOLITION, PATCH, AND REPAIR OF CEILING FOR ALL LIGHTING AND ELECTRICAL APPARATUSES IN THIS AREA. DISCONNECT AND RE-CONNECT AS REQUIRED TO MAINTAIN ALL SYSTEMS.
15. DEVICES NOTED WITH SUBSCRIPT '(E)' DENOTES THE DEVICES ARE EXISTING AND TO REMAIN UNTOUCHED DURING DEMOLITION, UNLESS OTHERWISE NOTED.
16. CIRCUIT #S, IF SHOWN, ARE FROM RECORD DRAWING AND SHOWN FOR REFERENCE ONLY. VERIFY EXISTING CONDITIONS PRIOR TO WORK.

SHEET KEYNOTES

D3	EXISTING RECEPTACLE AND/OR DATA DEVICE LOCATION TO BE REMOVED. VERIFY EXISTING CIRCUITING CONDITIONS AND MAINTAIN CIRCUIT INTEGRITY OF ANY ADDITIONAL DEVICES NOT SHOWN BUT WIRED TO THE EXISTING CIRCUIT. CIRCUIT # FROM RECORD DRAWING AND SHOWN FOR REFERENCE ONLY.
D4	EXISTING ELECTRICAL DEVICE LOCATION TO BE REMOVED AS REQUIRED FOR RENOVATION. MAINTAIN CIRCUIT INTEGRITY AND EXTEND CIRCUIT TO NEW LOCATION AS SHOWN ON SHEET E301. REWORK CIRCUITRY AS REQUIRED AND UPDATE PANEL INDEX IF CIRCUIT USE IS CHANGED.
D5	EXISTING ELECTRICAL DEVICE LOCATION TO BE REMOVED AS REQUIRED FOR RENOVATION. MAINTAIN CIRCUIT INTEGRITY AND EXTEND CIRCUIT TO NEW LOCATION AS SHOWN ON SHEET E301. REPLACE EXISTING 20A 1P BREAKER WITH 20A 1P 5mA GFCI BREAKER. REWORK CIRCUITRY AS REQUIRED AND UPDATE PANEL INDEX IF CIRCUIT USE IS CHANGED.
D6	REMOVE EXISTING LIGHT FIXTURES AS SHOWN. VERIFY EXISTING CIRCUITING CONDITIONS AND MAINTAIN CIRCUIT INTEGRITY OF ANY ADDITIONAL LIGHT FIXTURES NOT SHOWN BUT WIRED TO THE EXISTING CIRCUIT. LABEL APPROPRIATELY, AND RETURN TO OWNER, OR PROPERLY DISPOSE OF FIXTURES THAT THE OWNER CHOOSES NOT TO KEEP. SEE E200 SERIES SHEETS FOR NEW REQUIREMENTS.
D7	EXISTING INTERCOM LOUDSPEAKER TO BE REMOVED FOR REMOVAL OF CEILING SYSTEM AND OVERALL DEMOLITION. MAINTAIN CIRCUIT INTEGRITY AND EXTEND CONDUIT AND WIRE TO RELOCATED LOCATION WITHIN NEW CEILING GRID. SEE E301 SHEET FOR NEW REQUIREMENTS.
D8	EXISTING LIGHTING OCCUPANCY SENSOR TO BE REMOVED FOR REMOVAL OF CEILING SYSTEM AND OVERALL DEMOLITION. MAINTAIN CIRCUIT INTEGRITY AND EXTEND CONDUIT AND WIRE TO RELOCATED LOCATION WITHIN NEW CEILING GRID. SEE E301 SHEET FOR NEW REQUIREMENTS.
D9	EXISTING CEILING MOUNTED FIRE ALARM DEVICE TO BE REMOVED FOR REMOVAL OF CEILING SYSTEM. TEMPORARILY STORE AND PROTECT DURING CONSTRUCTION. MAINTAIN CIRCUIT INTEGRITY AND RE-INSTALL IN NEW ACT CEILING. EXTEND CIRCUIT AND BOX AS REQUIRED. SEE E301 SHEET FOR NEW REQUIREMENTS.
D10	REMOVE EXISTING LIGHT FIXTURES AND CONTROL DEVICES THROUGHOUT REMODEL SPACE/AREA. MAINTAIN EXISTING LIGHTING CIRCUIT INTEGRITY FOR USE WITH NEW LIGHT FIXTURES AND NEW CONTROLS. REMOVE ALL PREVIOUS CONTROL LOCATIONS AND REWORK NEW SWITCH LEGS AND CONTROLS AS SHOWN ON E201. LABEL EXISTING LIGHT FIXTURES AND APPARATUS APPROPRIATELY, AND RETURN TO OWNER, OR PROPERLY DISPOSE OF FIXTURES THAT THE OWNER CHOOSES NOT TO KEEP.
D11	EXISTING LED LIGHT FIXTURE TO BE RE-USED IN REMODELED SPACE. CAREFULLY REMOVE EXISTING LED LIGHT FIXTURE AND TEMPORARILY STORE AND PROTECT DURING CONSTRUCTION. MAINTAIN EXISTING CONTROLS LIGHTING CIRCUIT INTEGRITY AND REINSTALL FIXTURE WITHIN NEW CEILING GRID. SEE E201 SHEET FOR NEW REQUIREMENTS.
D12	EXISTING ELECTRICAL DEVICE LOCATION TO BE REMOVED AS REQUIRED FOR RENOVATION. MAINTAIN CIRCUIT INTEGRITY AND EXTEND CIRCUIT TO NEW LOCATION AS SHOWN ON SHEET E301. REPLACE EXISTING 30A 2P BREAKER WITH 30A 2P 5mA GFCI BREAKER. REWORK CIRCUITRY AS REQUIRED AND UPDATE PANEL INDEX IF CIRCUIT USE IS CHANGED.
D13	EXISTING CARD READER AND ELECTRIC STRIKE LOCATION. CAREFULLY REMOVE CARD READER AND ACS CIRCUIT AS REQUIRED FOR DOOR DEMOLITION. PROVIDE SS BLANK COVERPLATE OVER REMAINING BOXES AS REQUIRED. EXISTING DOOR, CARD READER AND ELECTRIC STRIKE TO BE RE-USED FOR NEW SPED ENTRY. LOCATE AND INSTALL CARD READER AND ELECTRIC STRIKE AT NEW LOCATION. REWORK AND EXTEND CONDUIT AND WIRE NEW LOCATION AS REQUIRED. REFER TO SHEET E301 FOR NEW LOCATION.
D14	EXISTING LIGHTING WALLSTATION TO BE RELOCATED. REMOVE AND BLANK OFF EXISTING WALL BOX WITH SS COVER. MAINTAIN CIRCUIT INTEGRITY AND EXTEND CONDUIT AND WIRE TO RELOCATED LOCATION WITHIN NEW SPED ENTRY DOOR. SEE E201 SHEET FOR NEW REQUIREMENTS.

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SHEET NAME
ELECTRICAL DEMOLITION PLANS

SHEET NUMBER
ED101

LIGHT FIXTURE SCHEDULE

LIGHT FIXTURE ABBREVIATION SCHEDULE — PROJECT MANAGER: DRAYTON/MICAH

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

LIGHT FIXTURE GENERAL NOTES:

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

TYPE	DESCRIPTION	MFR.	CATALOG #	TOTAL WATTS	LAMP TYPE	DELIVERED LUMENS	COLOR TEMP	CRI
B26	2'X2' HIGH EFFICIENT LED ARCHITECTURALLY STYLED RECESSED LUMINAIRE; RIBBED FROSTED CENTER LENS; LOW PROFILE BODY; EASY ACCESS TO COMPONENTS; 66,000 HOUR (L80); 0-10 DIMMING; 5 YR. WARRANTY	COLUMBIA	LCAT22-S-30L026G-EDU	19	LED	2,610	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-30K-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-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-CS9-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+

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

LIGHTING CONTROL INTENT NARRATIVE (IECC 2021 COMPLIANT)

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

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

SPECIFIC AREAS:

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

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

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

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

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

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

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

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

GENERAL NOTES

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

LIGHTING GENERAL SHEET NOTES

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

LIGHTING SENSOR GENERAL NOTES

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

SHEET KEYNOTES

L1	MOUNT ROOM CONTROLLER(S) ABOVE ENTRY DOOR ALONG WITH ANY OTHER RELATED MODULES. PROVIDE INDICATOR LABELING ON GRID TILE NEAREST THE ROOM CONTROLLER. COORDINATE WITH ARCHITECT FOR STYLE AND METHOD LABELING. SEE CORRESPONDING ROOM CONTROLLER DIAGRAM S003 FOR MORE INFORMATION.
L2	PROVIDE NEW LIGHT FIXTURES AND CONTROLS AS SHOWN. WIRE NEW LIGHT FIXTURES TO LIGHTING CIRCUIT PREVIOUSLY FEEDING THIS CLASSROOM/AREA (EXISTING CIRCUITS PER RECORD DRAWINGS AND FOR REFERENCE ONLY).
L3	PROVIDE DUAL TECH. OCCUPANCY SENSOR(S) AS SHOWN. PROGRAM FOR AUTO-ON. LOCATE OCCUPANCY SENSOR(S) PER MANUFACTURER FOR PROPER PLACEMENT AND ADJUSTMENT OF OCCUPANCY SENSORS. PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY COVER THE RESPECTIVE ROOM.
L4	PROVIDE NEW LOW VOLTAGE WALLSTATION AS SHOWN. REFER TO NARRATIVE FOR LAYOUT AND CONTROL REQUIREMENTS.
L5	RE-INSTALL EXISTING 2X4 FIXTURE PREVIOUSLY REMOVED DURING DEMOLITION. REWORK AND CONTROL THROUGH EXISTING WALL OCCUPANCY SENSOR.
L6	PROVIDE NEW EXIT SIGN AS SHOWN. WIRE INTO EXISTING UNSWITCHED EXIT SIGN CIRCUIT.
L7	PROVIDE NEW LIGHT FIXTURES AS SHOWN. WIRE NEW LIGHT FIXTURES INTO EXISTING SPED LIGHTING CONTROL/CIRCUIT (EXISTING CIRCUITS PER RECORD DRAWINGS AND FOR REFERENCE ONLY).
L8	REINSTALL EXISTING LIGHTING WALLSTATION PREVIOUSLY REMOVED DURING DEMOLITION. REWORK AND REINSTALL IN NEW LOCATION AS SHOWN.
L9	PROVIDE NEW LIGHTS AND CONTROLS AS SHOWN. WIRE NEW LIGHTS INTO EXISTING STAIRWELL LIGHTING CIRCUIT.

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Canyons School District

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SEAL

PROFESSIONAL ENGINEER — BRIAN HICKS — No. 7700337 — STATE OF UTAH

MHTN PROJECT NO. 2024516

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

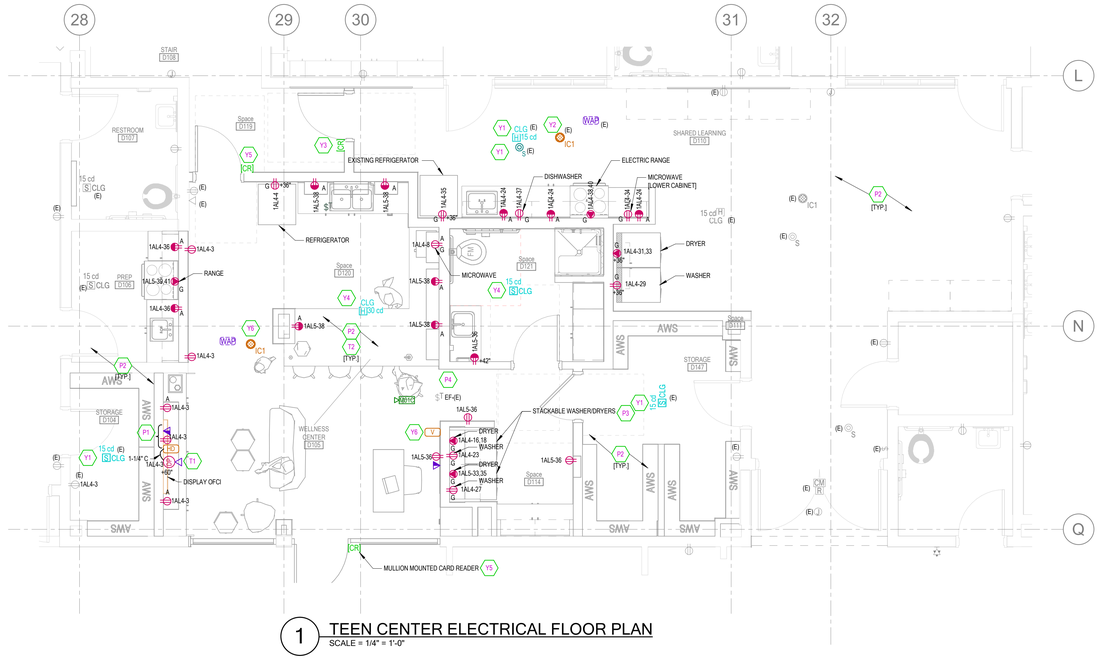
REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.△	DATE	DESCRIPTION

ISSUE
CONSTRUCTION DOCUMENTS
JUNE 14, 2024

SHEET NAME
TEEN CENTER LIGHTING FLOOR PLAN

SHEET NUMBER
E201



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

SHEET KEYNOTES

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

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

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

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

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

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

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

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

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

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

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

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

GENERAL ELECTRICAL SHEET NOTES

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

PANELBOARD SCHEDULE

PANEL: 1AL4 | TYPE: Type 1 | VOLTS: 120/208 Y | PHASE: 3 | WIRES: 4
MOUNTING: SURFACE | LOCATION: ELECTRICAL D137 | MAINS: MLO
BUSSING: | FED FROM: | AMP: 225 A
___ SUBFEED LUGS
___ DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

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

AIC RATING ____ AMPS RMS SYSM.

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

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

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

PANELBOARD SCHEDULE

PANEL: 1AL5 | TYPE: Type 1 | VOLTS: 120/208 Y | PHASE: 3 | WIRES: 4
MOUNTING: SURFACE | LOCATION: ELECTRICAL D137 | MAINS: MLO
BUSSING: | FED FROM: | AMP: 225 A
___ SUBFEED LUGS
___ DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

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

AIC RATING ____ AMPS RMS SYSM.

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

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

CIRCUIT BREAKER TYPE:
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MHTN PROJECT NO. 2024516

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SHEET NAME
TEEN CENTER ELECTRICAL FLOOR PLAN

SHEET NUMBER
E301

DIAGRAM NOTE:

PROVIDE A 3/4" CONDUIT FROM MANUFACTURER'S SUGGESTED J-BOX TO ACCESSIBLE CEILING SPACE. PROVIDE SPECIFIED CABLE RACEWAY TO ROUTE CABLING TO DESIGNATED EQUIPMENT RACK WITH CABLE SERVICE LOOPS ON EACH END.

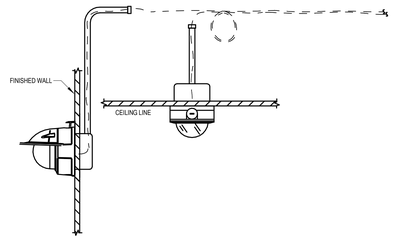

DIAGRAM EY401 TYPICAL CAMERA MOUNTING
NTS

DIAGRAM NOTE:

1. DEVICES SHOWN DIAGRAMMATICALLY ONLY.
2. PROVIDE 2" CONDUIT(S) UP TO ACCESSIBLE CEILING SPACE FROM THE ACCESS CONTROL HEAD-END PANEL(S). CONDUIT FILL RATIO IS NOT TO EXCEED 40%.

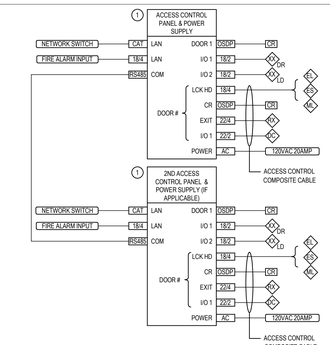

DIAGRAM EY002 TYPICAL ACCESS CONTROL - ONE LINE DIAGRAM
NTS

DIAGRAM NOTES:

1. CAMERAS SHOWN DIAGRAMMATICALLY ONLY.
2. REFER TO THE SECURITY PLANS FOR SURVEILLANCE CAMERA LOCATIONS.

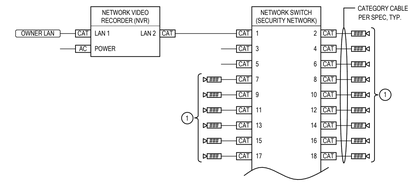

DIAGRAM EY001 TYPICAL VIDEO SURVEILLANCE SYSTEM - ONE LINE DIAGRAM
NTS

DIAGRAM KEYNOTES:

1. MOUNT ACCESS CONTROL DOOR CONTACT & INTRUSION DETECTION DOOR CONTACT 3-5" AWAY FROM LATCHING SIDE OF DOOR.
2. REFER TO DIV.8 SPECIFICATIONS FOR ADA EQUIPMENT TYPES, AND POWER SHEET PLANS FOR DEVICE LOCATIONS. PROVIDE 3/4" CONDUIT FROM ADA TO 4SQ J-BOX WITH COVER LOCATED IN ACCESSIBLE CEILING SPACE ON SECURE SIDE OF DOOR.
3. PROVIDE MANUFACTURER SUGGESTED J-BOX WITH 3/4" CONDUIT FROM ELECTRIFIED DOOR HARDWARE EQUIPMENT AND ANY OTHER INSTALLED END DEVICES TO 4SQ J-BOX W/ COVER LOCATED IN ACCESSIBLE CEILING SPACE ON SECURE SIDE OF DOOR.
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 CREDENTIAL CARD READER.
6. ROUTE DEVICE CABLING THROUGH DOOR FRAME OR MULLIONS. MOUNT DEVICES DIRECTLY TO THE DOOR FRAME OR MULLION WITHOUT J-BOX.
7. PROVIDE SPECIFIED J-HOOKS OR CONDUIT.
8. PROVIDE EXTERIOR CABLING QUICK-DISCONNECT AT THE TOP OF DOOR FRAME FOR ELECTRIC STRIKE(S) ON REMOVABLE MULLIONS.
9. ELECTRIC POWER TRANSFER HING / ELECTRIC HINGE / ELECTRIC POWER TRANSFER LOOP (SEE DIV.8 SPEC).

NOTE: DEVICES SHOWN ON THESE DIAGRAMS ARE NOT TO SCALE AND ANY/ALL MAY OR MAY NOT BE REQUIRED. DIAGRAM REPRESENTS TYPICAL ROUGH-IN AND DEVICE LOCATIONS. CONTRACTOR MUST REFER TO DIV. 8 SPECIFICATIONS FOR ELECTRIFIED DOOR EQUIPMENT TYPES AND THE SECURITY DRAWINGS FOR ACCESS CONTROL DEVICE LOCATIONS.

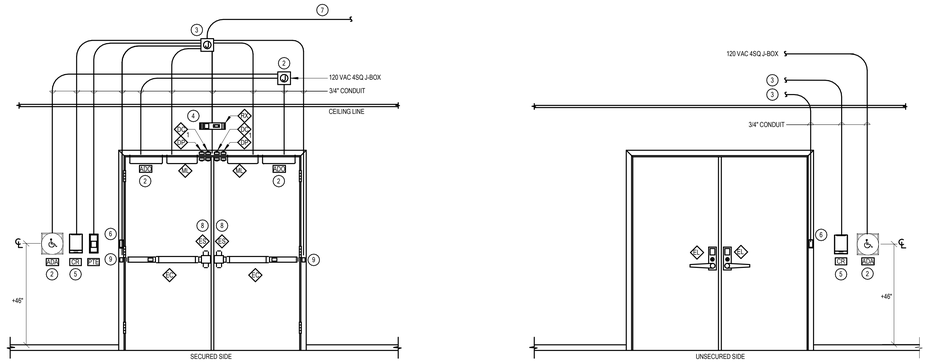

DIAGRAM EY101 TYPICAL ACCESS CONTROL & ELECTRIFIED DOOR HARDWARE DIAGRAMS
NTS

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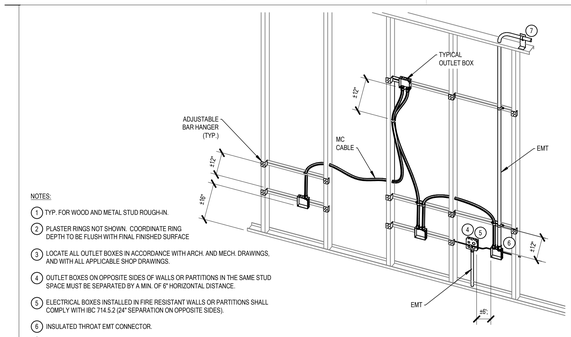
SHEET NAME
ELECTRICAL DIAGRAMS

SHEET NUMBER
E400



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 ARCH. AND MECH. DRAWINGS, AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. OUTLET BOXES ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE MUST BE SEPARATED BY A MIN. OF 6" HORIZONTAL DISTANCE.
5. ELECTRICAL BOXES INSTALLED IN FIRE RESISTANT WALLS OR PARTITIONS SHALL COMPLY WITH IBC 714.5.2 (24" SEPARATION ON OPPOSITE SIDES).
6. INSULATED THROAT EMT CONNECTOR.
7. HOME RUN TO PANEL MUST BE IN RACEWAY.

DIAGRAM H013 — TYPICAL ROUGH IN REQUIREMENTS FOR MC CABLE

NTS

1. BOXES RIGIDLY SUPPORTED.
2. ALL WIRING IS ENCLOSED IN RACEWAY SUPPORTED PER SPECIFICATIONS.
3. BOLT JUNCTION BOXES TOGETHER. PROVIDE EXTENSION BOX FOR VENTING SPACE AROUND POWER PACK.

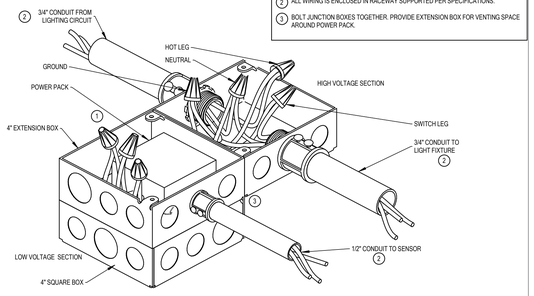


DIAGRAM S016 — OCCUPANCY SENSOR POWER PACK

NTS

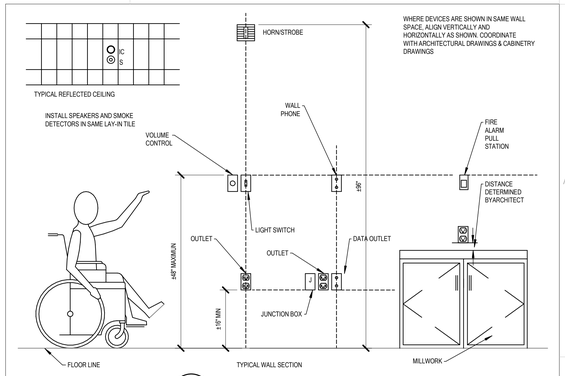


DIAGRAM R001 — DEVICE MOUNTING HEIGHTS

NTS

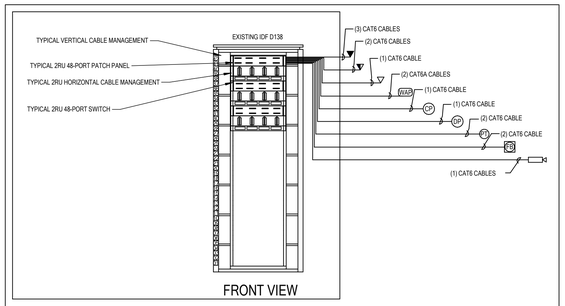


DIAGRAM F030 — TYPICAL DATA RISER

NTS

TYPICAL INSTALLATION FOR ELECTRICAL SYSTEMS

NOTES:

1. FREE AIR CABLE SHALL BE CLASSIFIED PLENUM RATED 2 UNSHIELDED CABLE NEC TYPE CMP AND CEC TYPE CMP FT6 SPECIAL COLOR CODE SPECIFIC TO LOW VOLTAGE BALLAST/DRIVER 0-10V WIRING PROTOCOL. PRODUCT SHALL BE MANUFACTURED TO BE IN COMPLIANT WITH THE REQUIREMENTS OF UL444 FOR INSTALLATIONS AND APPLICATIONS IN ACCORDANCE WITH NEC ARTICLES 725 AND 800.
2. FREE AIR CABLE SHALL BE INSTALLED IN A CLEAN AND CRAFTMANSHIP-LIKE MANNER. SUPPORT AT 5'-0" INTERVALS ALONG THE PATH OF THE ACCOMPANYING BRANCH CIRCUIT LIGHTING RACEWAY. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED
3. UTILIZE 18 AWG GAUGE WIRE FOR DISTANCES UP TO 300' AND 16 AWG FOR DISTANCES UP TO 400'.
4. SUPPORT RACEWAYS RIGIDLY ATTACHED TO THE STRUCTURE AT INTERVALS NOT TO EXCEED 8' ON CENTER. PROVIDE A MINIMUM OF 2 SUPPORTS PER 10' OF RACEWAY. SUPPORT RACEWAY WITHIN 12" OF JUNCTION BOX, COUPLING, OUTLET, OR FITTING. PROVIDE RACEWAY SUPPORTS AT EACH 90 DEGREE BEND. REFER TO SPECIFICATION FOR MAIRE DETAILS.
5. LOCATE LIGHTING JUNCTION BOX WITHIN 3' OF LAY IN FIXTURE.
6. MAKE SPLICES OF 0-10V CABLES INSIDE OF JUNCTION BOXES

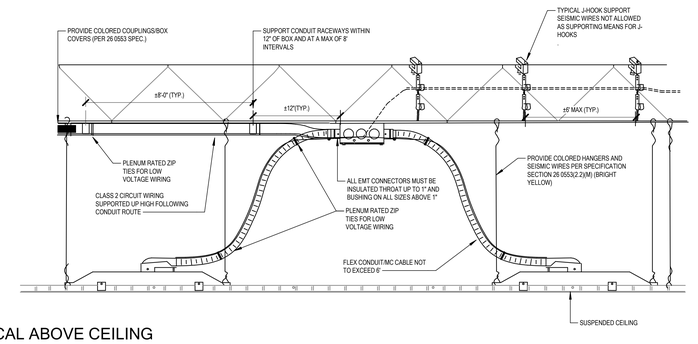


DIAGRAM A029 — A029 - TYPICAL ABOVE CEILING ROUGH-IN

NTS

KEYNOTES:

1. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ROUGH-IN/INFORMATION.
2. CENTER DISPLAY OVER FLAT PANEL DISPLAY WALL BOX. REFER TO SPECIFICATIONS FOR MAKE AND MODEL OF FLAT PANEL DISPLAY WALL BOX.
3. PROVIDE DEVICES SHOWN WITHIN ACCESSORY BOX. REFER TO PLANS FOR WALL BOX LOCATIONS
4. REFER TO PLANS FOR CONDUIT REQUIREMENTS. PROVIDE ONE SPARE 1"CONDUIT TO ACCESSIBLE CEILING FROM WALL BOX IF NO CONDUIT IS SHOWN ON PLANS GOING TO THE ACCESSIBLE CEILING.
5. DATA CONNECTION AND/OR COAXIAL CONNECTION. REFER TO PLANS FOR QUANTITY AND DEVICES

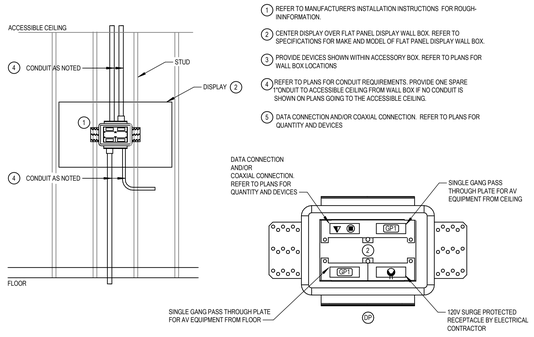


DIAGRAM V031 — FLAT PANEL DISPLAY WALL BOX

NTS

NOTE:
TYPICAL OF 2'X2', 2'X4', 1'X4', AND 4'X4' FIXTURES

1. #12 GA. WIRE HANGER AT EACH CORNER OF FIXTURE (TYP.) INDEPENDENT OF CEILING SUPPORT SYSTEM AND IDENTIFIED AS PER SPECIFICATIONS.
2. FIXTURE CLAMP. PROVIDE ONE PER SIDE PER FIXTURE.

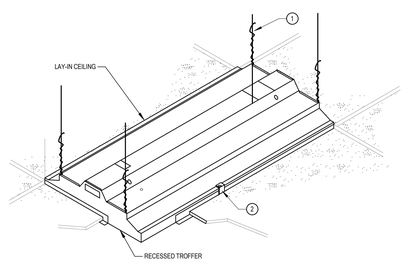


DIAGRAM A001 — TYP. RECESSED FIXTURE MOUNTING

NTS

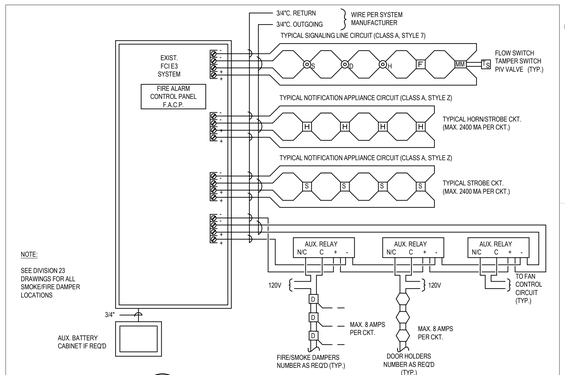


DIAGRAM D002 — TYPICAL FIRE ALARM RISER

NTS

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