

ABBREVIATIONS

AC

AIR CONDITIONING

ALUM

ALUMINUM

APPROX

APPROXIMATE

ARCH

ARCHITECTURAL

AWIS

ADJUSTABLE WALL SHELF

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

GYPSPUM BOARD

GI

GALVANIZED IRON

GLUAM

GLUED-LAMINATED TIMBER

GTB

GLASS-MAT TILE BACKING BOARD

GYP BD

GYPSPUM BOARD

HD

HAND DRYER

HRD

WALL MOUNTED HAIR DRYER

HVAC

HEATING, VENTILATION, AIR CONDITIONING

ID

INSIDE DIAMETER

IGB

IMPACT RESISTANT GYPSPUM BOARD

INT

INTERIOR

ISO

ISOMETRIC

JANITR

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

PLYWO

PLYWOOD

PR

PREFABRICATED

PTD

PAPER TOWEL DISPENSER

PTWR

PAPER TOWEL / WASTE RECEPTACLE

QTY

QUANTITY

RD

ROOF DRAIN

RE

REFER TO

REINF

REINFORCE, REINFORCING

REO

REQUIRED

REF

REFRIGERATOR

RH

ROBE HOOK

RM

ROOM

RO

ROUGH OPENING

RTU

ROOF TOP UNIT

RV

ROOF VENT

SCD

SEAT COVER DISPENSER

SF

SQUARE FEET

SIM

SIMILAR

SNVU

SANITARY NAPKIN VENDING UNIT

SNDU

SANITARY NAPKIN DISPOSAL UNIT

SPEC

SPECIFICATION

SQ

SQUARE

STD

STANDARD

STL

STEEL

STRUT

STRUCTURAL

SUSP

SUSPENDED

THK

THICK, THICKNESS

TO

TOP OF

TOB

TOP OF BEAM

TOO

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

VESTB

VESTIBULE

VTR

VENT THROUGH ROOF

W

WITH

W/O

WITHOUT

WC

WATER CLOSET

WD

WOOD

WD

WIDE FLANGE

WH

WATER HEATER

WMS

WALL MOUNTED SHELF

WR

WASTE RECEPTICAL

WWF

WELED WIRE FABRIC

XFMR

TRANSFORMER

GENERAL SYMBOLS

SEE PLUMBING, MECHANICAL AND ELECTRICAL FOR DISCIPLINE SYMBOLS

A 1 01

MHTN SHEET NUMBER

Sheet Number Sequence

Sheet Type

Discipline

CEILING TYPE TAG

CEILING TAG

SPOT ELEVATION

VERTICAL ELEVATION

NORTH ARROW

PLAN NORTH

TRUE NORTH

DRAWING REVISION

REVISION NUMBER

ROOM

ROOM NAME

ROOM NUMBER

ROOM VOLUME / AREA

KEYED NOTES

CASEWORK TYPE

DEPTH

HEIGHT

WIDTH

SIGNAGE TYPE

GRID REFERENCE MARK

A1 Starts at lower left corner Number Horizontal Letters Vertical

BUILDING SECTION

SHEET WHERE DRAWN

WALL SECTION

SHEET WHERE DRAWN

DETAIL

SHEET WHERE DRAWN

EXTERIOR ELEVATION

SHEET WHERE DRAWN

CALLOUT

SHEET WHERE DRAWN

INTERIOR ELEVATION

SHEET WHERE DRAWN

DOOR NUMBER

INTERIOR WALL TYPE

EXTERIOR WALL TYPE

ROOF TYPE

FLOOR TYPE

WINDOW TYPE

MATERIALS

CONCRETE

EIFS

STEEL

MASONRY BRICK

GYPSPUM BOARD

WOOD FRAMING

BLOCKING

EARTH

GRAVEL

PRECAST

STONE

CONCRETE MASONRY UNIT

HARDWOOD

BATT INSULATION

RIGID/SEMI/SAFING INSULATION

VICINITY MAP

PROJECT DATA

CIVIL RIGHTS

ADA Standards for Accessible Design, 2010

APPLICABLE CODES & STANDARDS

International Building Code, including Appendices C & J (IBC), 2021 ed.

International Mechanical Code (IMC), 2021 ed.

International Plumbing Code (IPC), 2021 ed.

National Electrical Code (NEC), 2023 ed.

International Energy Conservation Code (IECC), 2021 ed., Prescriptive/Performance

ANSI/ASHRAE Standard 90.1-2016, Prescriptive/Trade-Off/Energy Cost Budget

ICC/ANSI A117.1, 2017 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

Remodeled area: B, E

Existing Areas: A, B, E, S-1

Separation of Occupancies

Non-separated

Construction Type

IIB

Sprinkled

No

Building Height

Allowable Height (Stories/Feet)

2/55'

Actual Building Height (Stories/Feet)

1/20'

Building Area (Insert floors as needed)

1st Floor

89,800

Allowable Building Area Calculation

Not Applicable (Existing building with no increase in square footage and no change in Occupancy)

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

Climate Zone: SB

Delegated Design:

- 034500 - Precast Architectural Concrete (ARL)
- 054000 - Cold-Formed Metal Framing (ARL)
- 055213 - Pipe and Tube Railings (ARL)
- 074213.23 - Metal Composite Material Wall Panels (ARL)
- 077200 - Roof Accessories (ARL)
- 084113 - Aluminum-Framed Entrances and Storefronts
- 084413 - Glazed Aluminum Curtain Walls (ARL)
- 089000 - Glazing
- 101416 - Plaques (ARL)
- 101419 - Dimensional Letter Signage (ARL)
- 102800 - Toilet Bath and Laundry Accessories
- 102113.17 - Phenolic-Core Toilet Compartments

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MOUNTING HEIGHTS & CLEARANCES

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ELECTRICAL

E0001

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ED101

PARTIAL FIRST FLOOR DEMOLITION PLAN

ED102

PARTIAL ELECTRICAL DEMO HOME ECON. PLAN

EL101

PARTIAL ADMIN LIGHTING PLAN

EL102

PARTIAL HOME ECON. RESTROOM LIGHTING PLAN

EL501

LIGHTING DETAILS

EL601

LIGHT FIXTURE SCHEDULE

EP100

OVERALL FIRST FLOOR ELECTRICAL PLAN

EP101

PARTIAL ADMIN POWER PLAN

EP102

PARTIAL HOME ECON. RESTROOM POWER PLAN

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EY102

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EY701

FIRE RISER DIAGRAM HORN ALARM SYSTEM

EY702

ACCESS CONTROL ONE LINE DIAGRAM & DETAILS

EY703

ACCESS CONTROL DOOR ROUGH-IN DETAILS

EA101

PARTIAL FIRST FLOOR AUDIO VISUAL PLAN

EA102

PARTIAL HOME ECON. RESTROOM A.V. PLAN

EI101

PARTIAL FIRST FLOOR INTERCOM PLAN

EI102

PARTIAL HOME ECON. RESTROOM INTERCOM PLAN

ARCHITECTURAL

AD400

PARTIAL FIRST FLOOR DEMOLITION PLAN

A100

OVERALL FIRST FLOOR REFERENCE PLAN

A400

PARTIAL FIRST FLOOR PLAN

A401

PARTIAL FIRST FLOOR PLAN

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ENLARGED OFFICE MECHANICAL PIPING DEMO PLAN

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P501

PLUMBING SCHEDULES AND DETAILS

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, lockboards, 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.

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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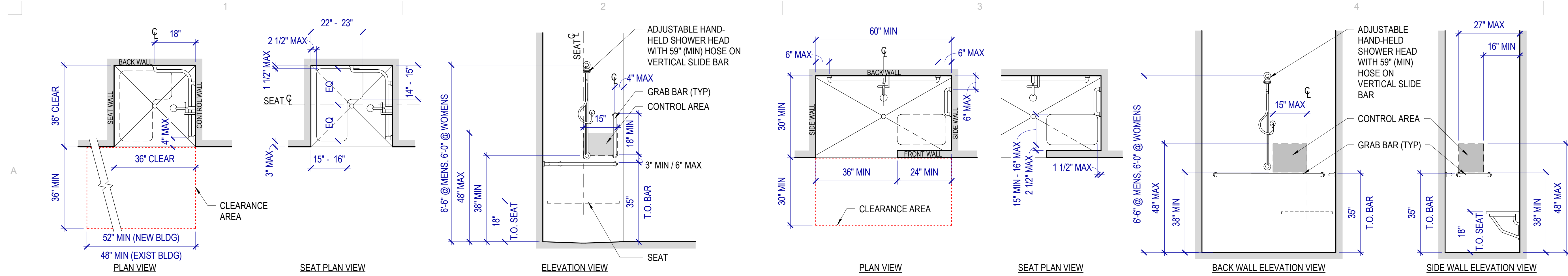
CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

INDEX SHEET

G001





MOUNTING HEIGHTS & CLEARANCES
GENERAL NOTES

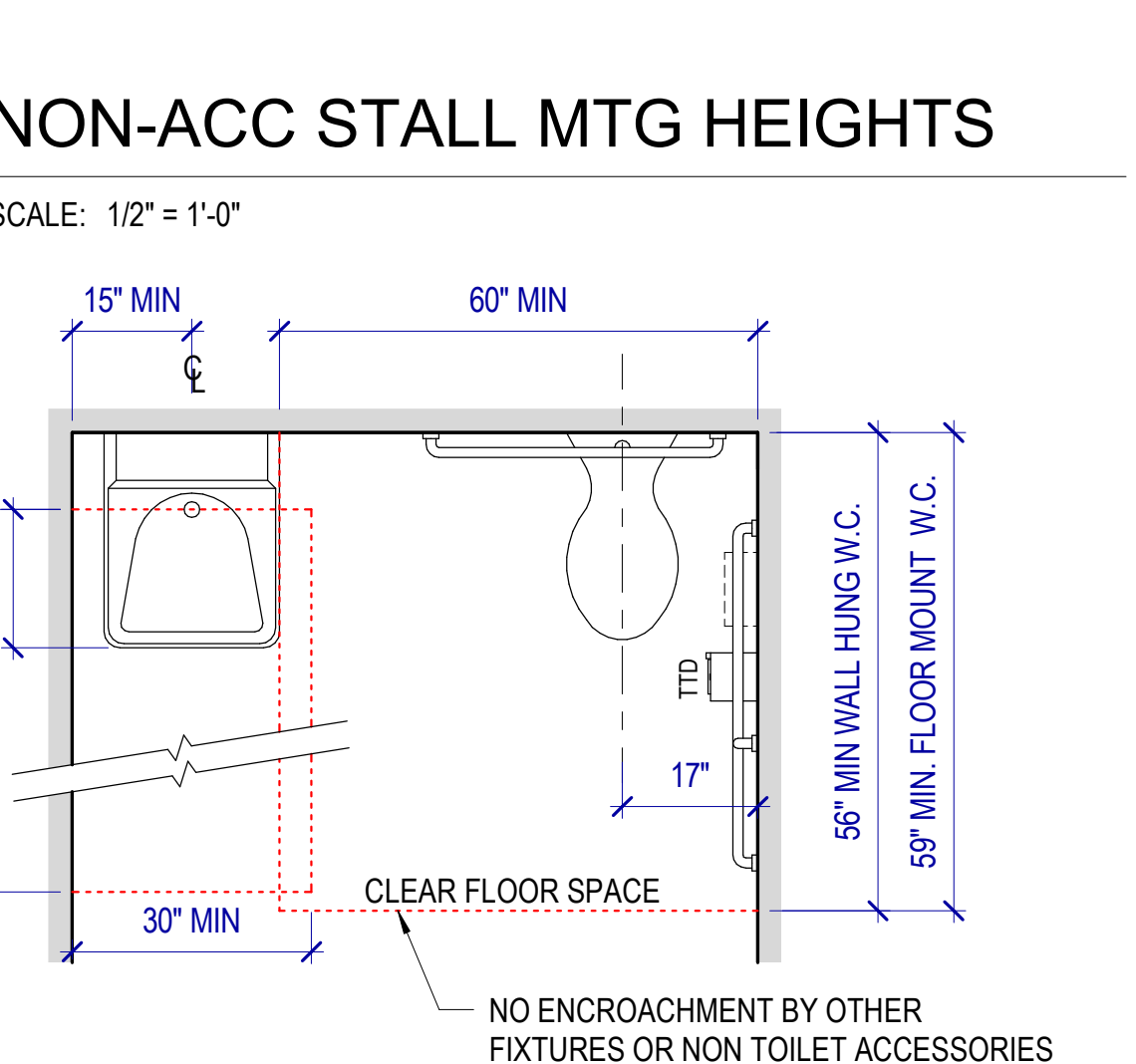
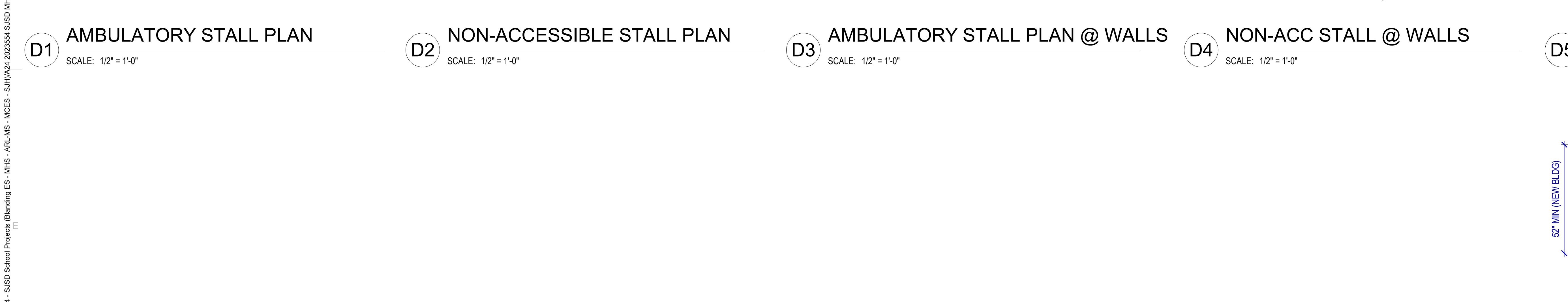
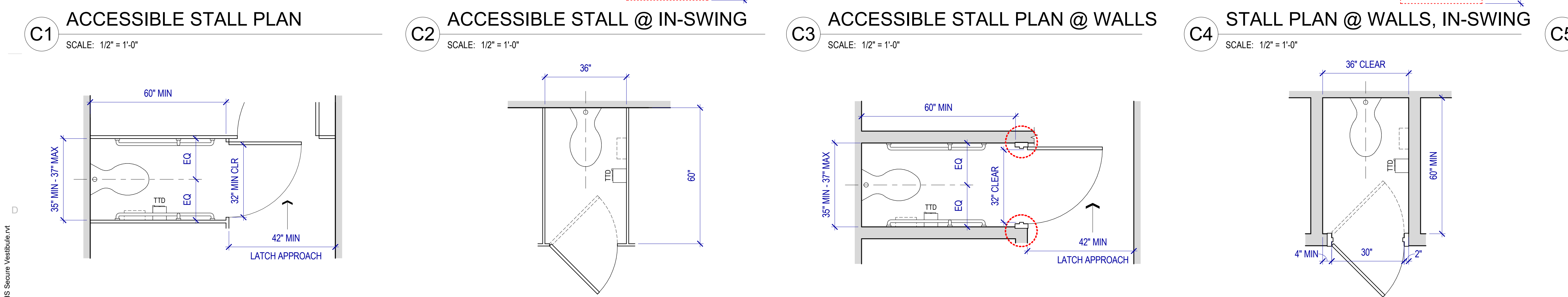
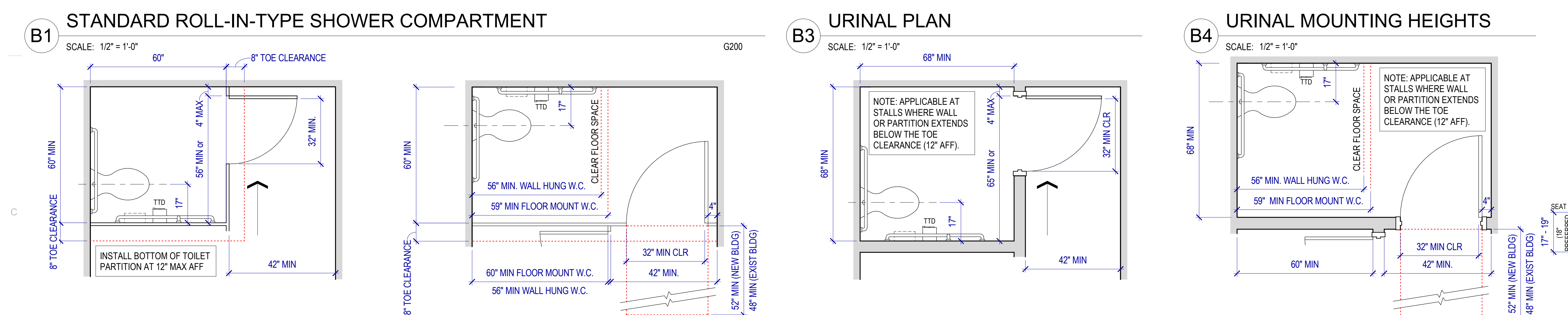
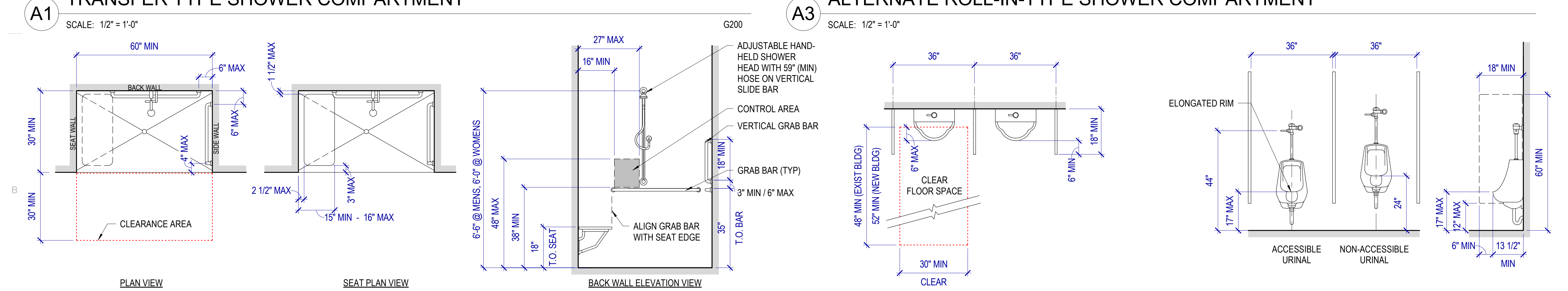
Diagrams on this sheet incorporate the ADA Standard, 2010 edition and ICC/ANSI A117.1, 2009 edition requirements for accessibility. The most restrictive requirement is shown where the two standards differ.

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.

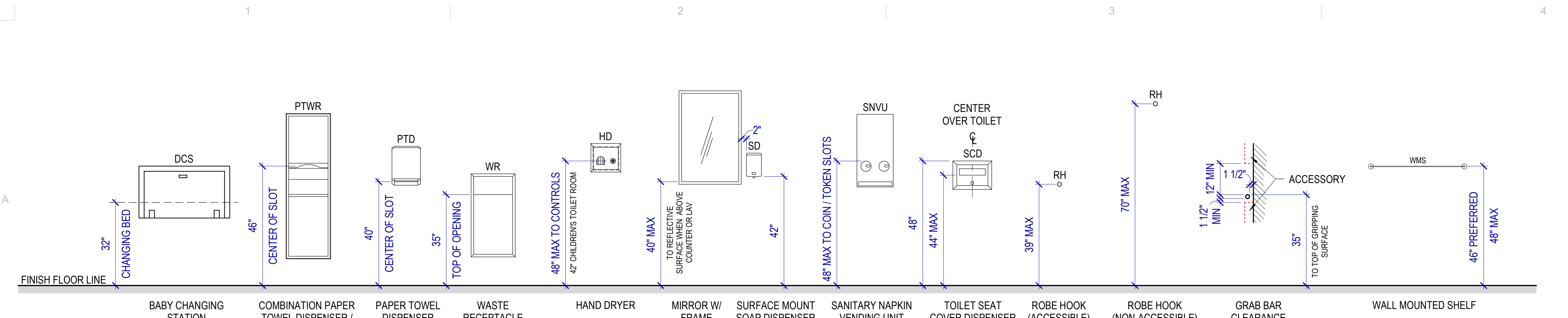
Prior to installation, coordinate toilet and bath accessory mounting heights with manufacturer's recommended heights and adjust as required to comply with ADA & ANSI requirements.

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

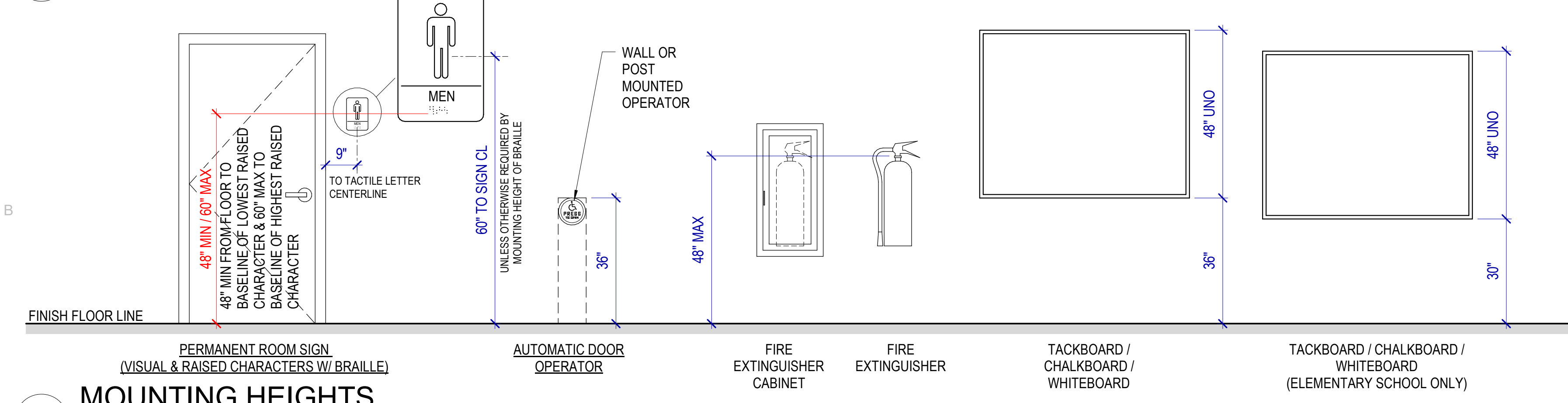


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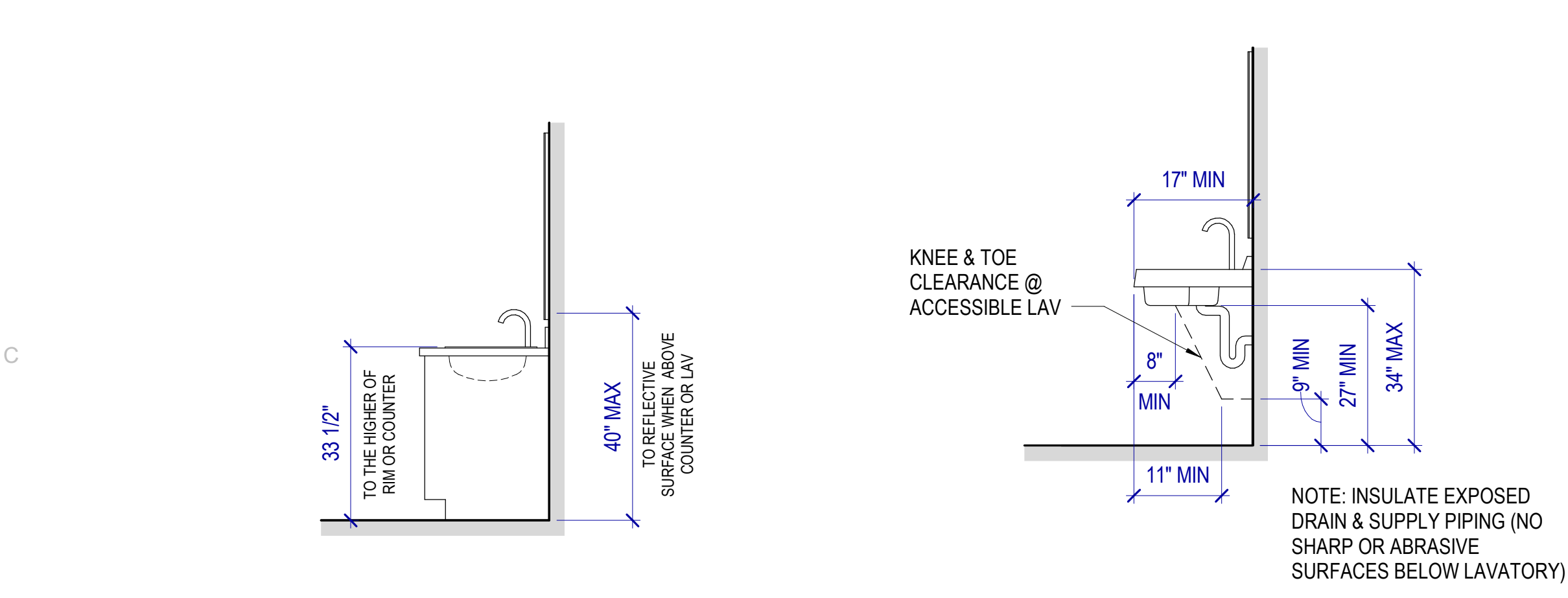
A1 TOILET ROOM EQUIPMENT

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



B1 MOUNTING HEIGHTS

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



C1 ACCESSIBLE PARALLEL SINK

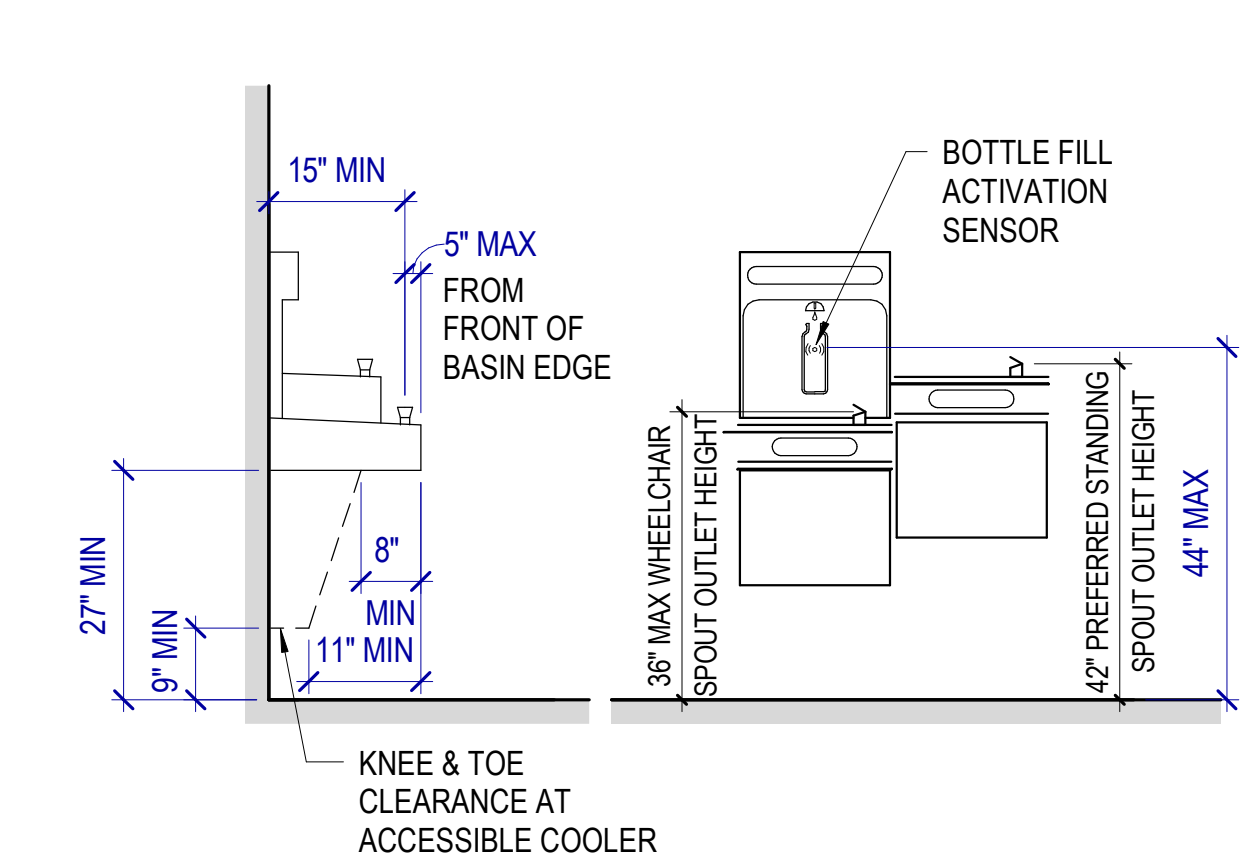
SCALE: 1/2" = 1'-0"

C2 LAVATORY MOUNTING HEIGHT

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

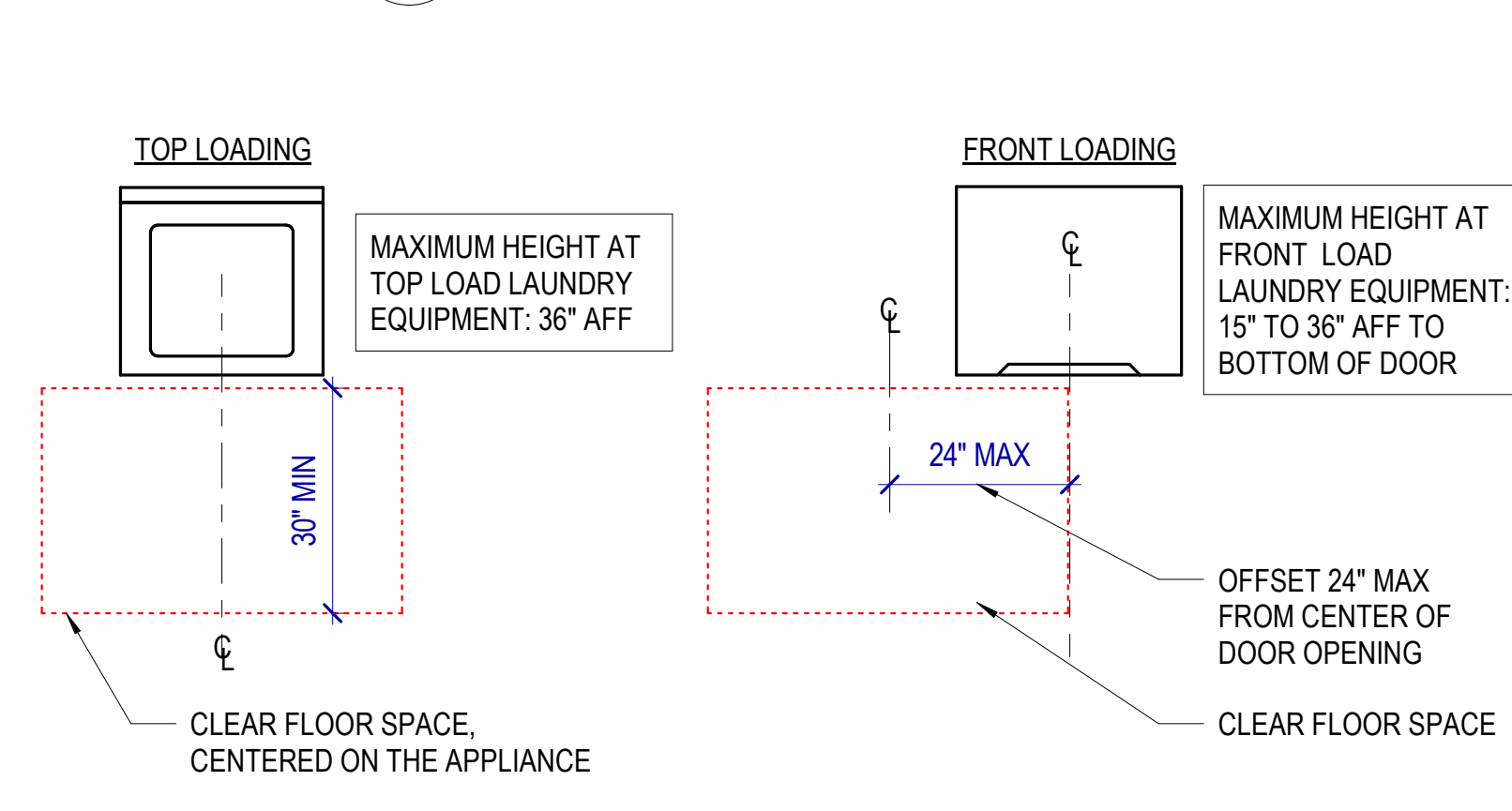
C4 SERVICE SINK

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



D4 DRINKING FOUNTAIN DETAILS

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

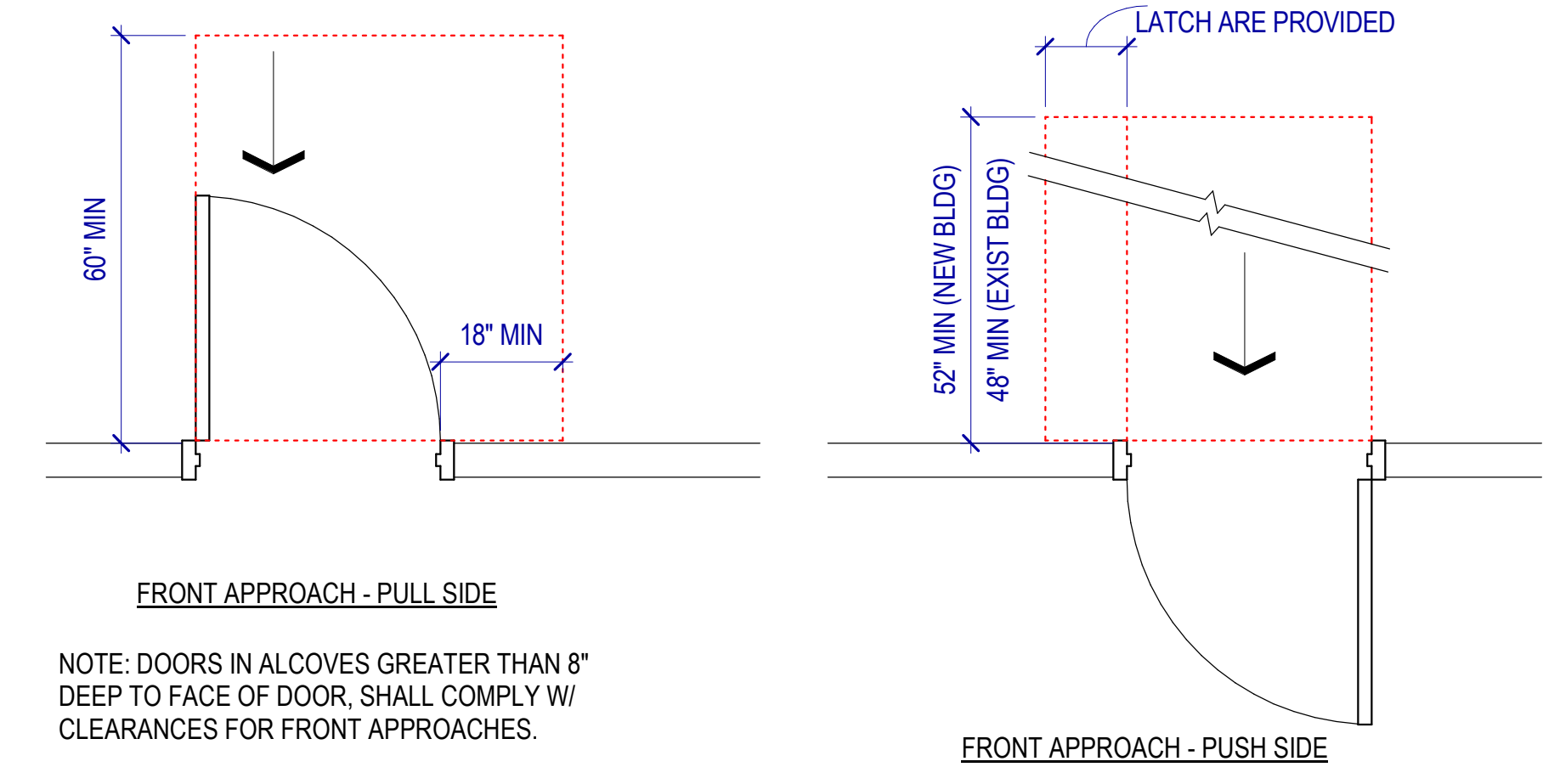


E4 CLEAR FLOOR SPACE @ LAUNDRY

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

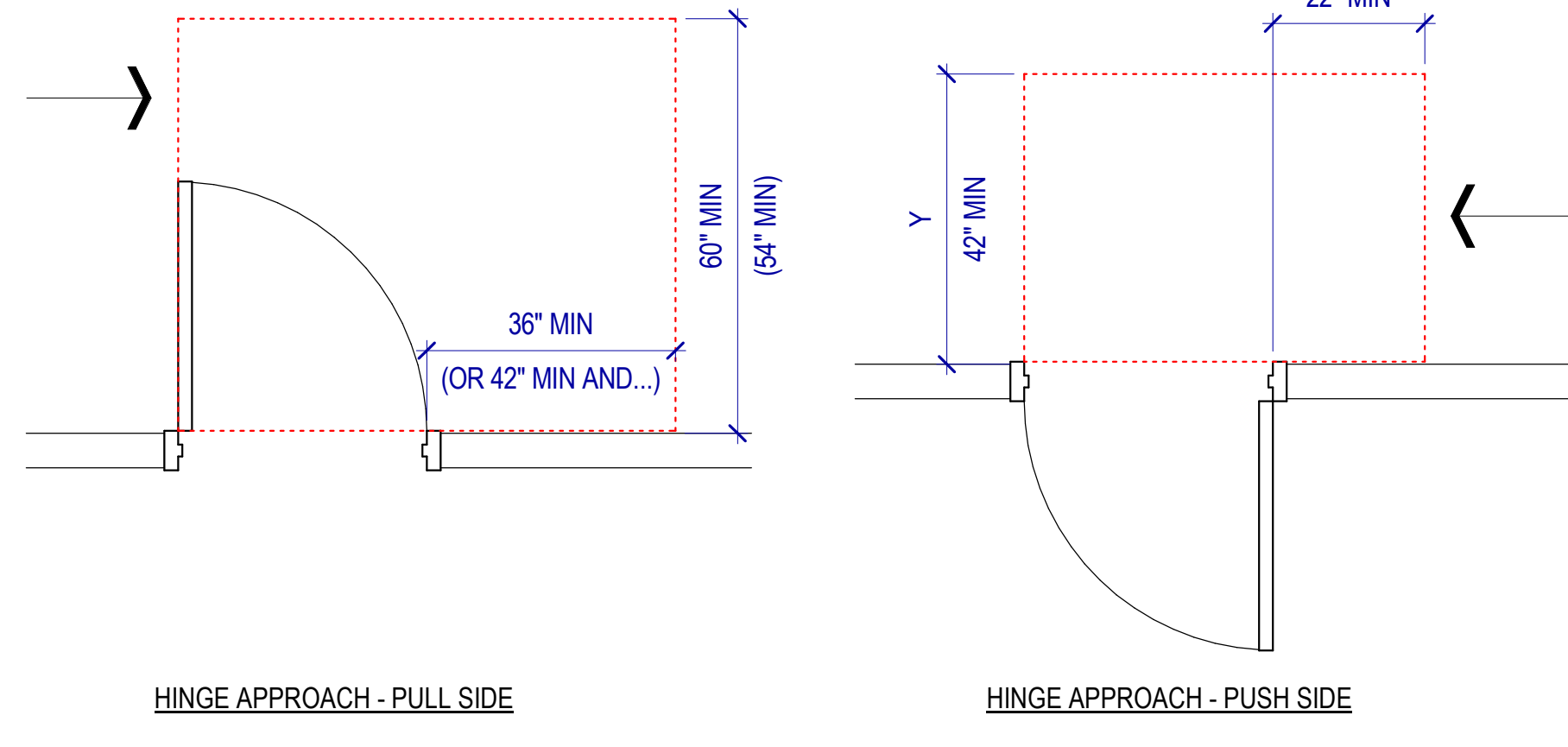
B5 SINK APPROACHES AND CLEARANCE

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



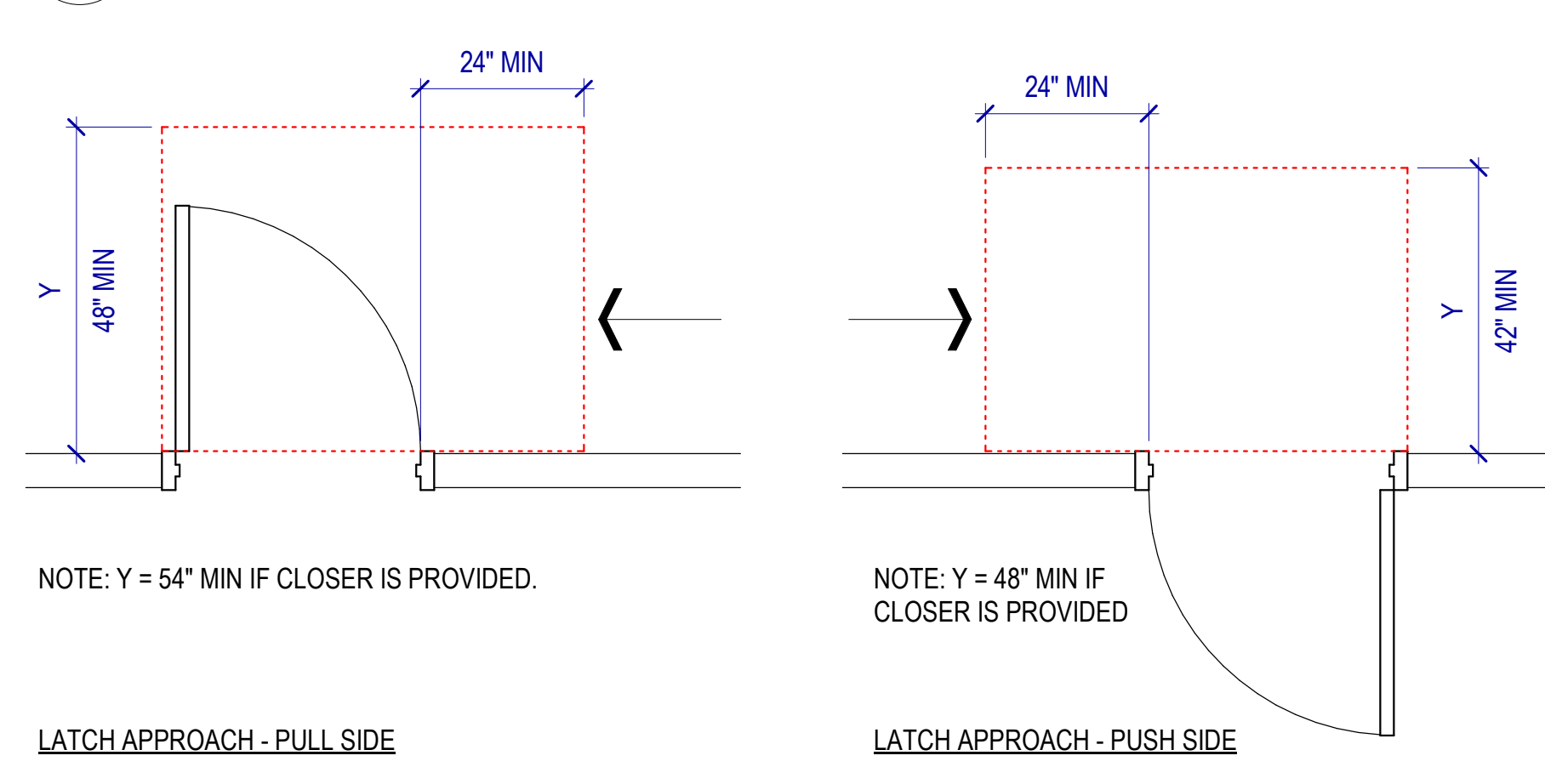
C5 FRONT APPROACHES @ SWINGING DOORS

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



D5 HINGE SIDE APPROACHES @ SWINGING DOORS

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



E5 MANEUVERING CLEARANCES @ MANUAL DOORS

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

MOUNTING HEIGHTS & CLEARANCES GENERAL NOTES

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STATE OF UTAH
CLIFFORD HOWARD CURTIS
No. 759788-0001
06 FEBRUARY 2023
LICENSED ARCHITECT

MHTN PROJECT NO: 2023554-01

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
06 FEBRUARY 2026

SHEET NAME
MOUNTING HEIGHTS & CLEARANCES

SHEET NUMBER

G201

RETURN TO INDEX

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A

- B

D

E

3

3

3

3

3

3

3

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Professional Engineer Seal for Justin D. Nadauld, State of Utah, License No. 4658788-2704, expires 02/06/2026.

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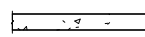
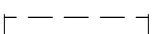
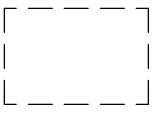
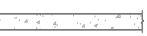
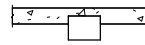
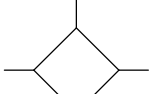
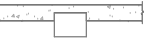
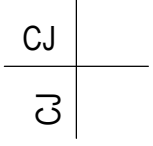
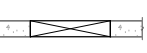
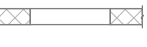
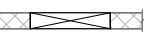
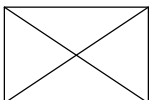
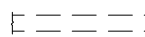
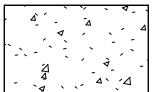
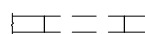
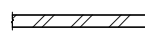
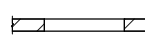
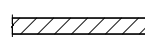
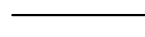
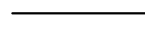
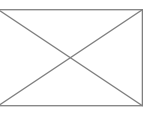
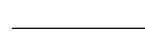
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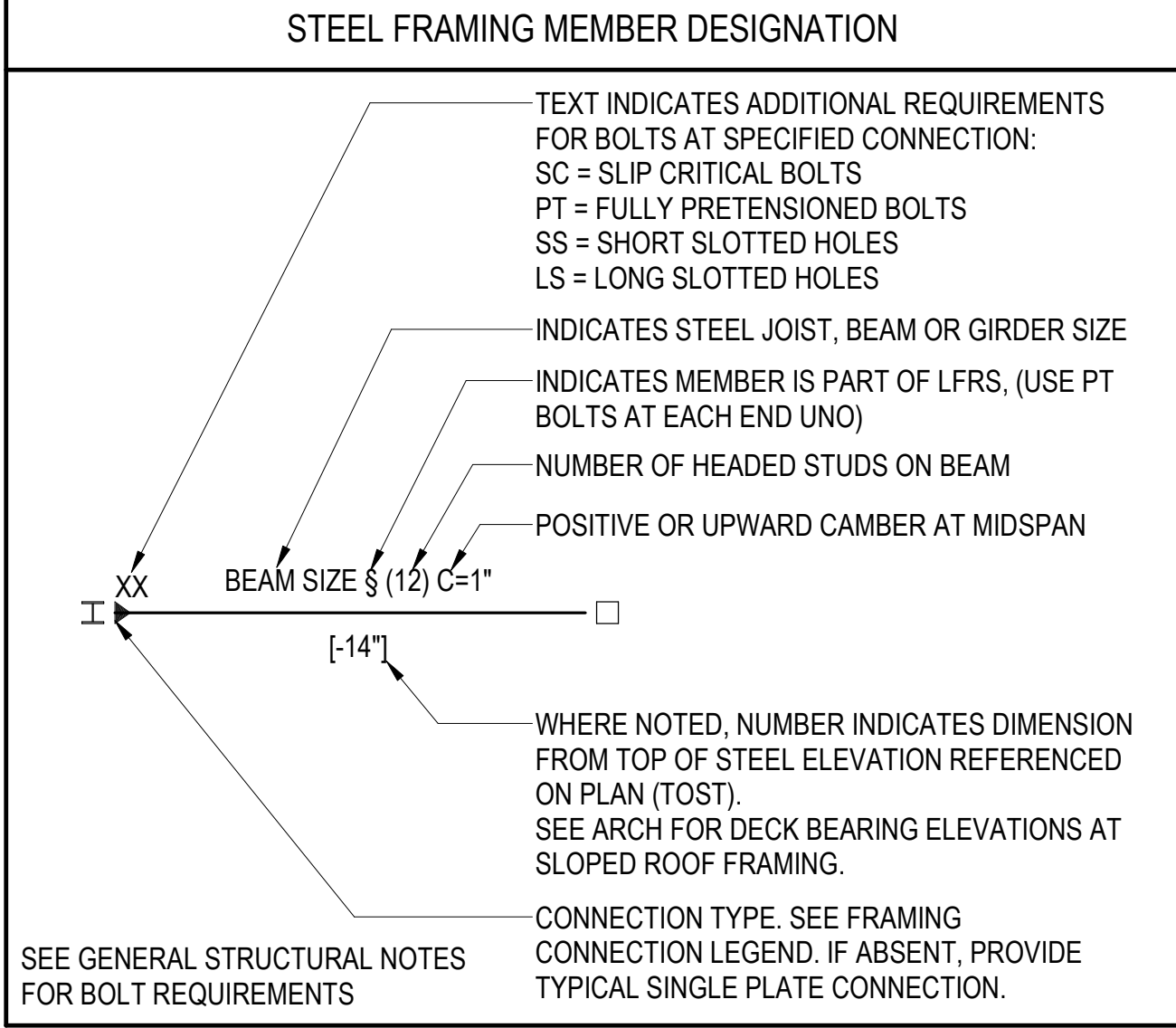
GENERAL
STRUCTURAL
NOTES

SHEET NUMBER

SE002

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PLAN LEGEND					
	FOOTING STEP		CONCRETE WALL		EXISTING FOOTING - CONTINUOUS
	FOOTING - CONTINUOUS		CONCRETE WALL - RECESSED (FDTN PLAN)		EXISTING FOOTING - THICKENED SLAB
	FOOTING - THICKENED SLAB		CONCRETE LINTEL (FRAMING PLAN)		EXISTING FOOTING - SQUARE, RECTANGULAR, OR MAT
	FOOTING - SQUARE FOOTING - RECTANGULAR FOOTING - MAT FOOTING		CONCRETE WALL - RECESSED AT DOOR		EXISTING CONCRETE SHEAR WALL, FOUNDATION WALL OR RETAINING WALL
	CHANGE IN ELEVATION		CONCRETE PIER IN CONCRETE WALL, TOP OF PIER RECESSED BELOW SLAB.		EXISTING OPENING THROUGH CONCRETE WALL
	SLAB BLOCK-OUT AT COLUMN		CONCRETE COLUMN		EXISTING CONCRETE PIER IN CONCRETE WALL, PIER RECESSED BELOW SLAB.
	SLAB CONTROL/CONSTRUCTION JOINT		CONCRETE JAMB COLUMN POURED MONOLITHIC WITH CONCRETE WALL		EXISTING CONCRETE COLUMN
	SPECIAL SLAB OR DECK AREA		MASONRY WALL		NEW OPENING THROUGH EXISTING CONCRETE WALL
	SPECIAL SLAB OR DECK AREA		MASONRY WALL - RECESSED (FDTN PLAN)		EXISTING MASONRY WALL
	SPECIAL SLAB OR DECK AREA		MASONRY LINTEL (FRAMING PLAN)		EXISTING OPENING THROUGH MASONRY WALL
	RECESSED/DEPRESSED SLAB		MASONRY COLUMN IN MASONRY WALL		NEW OPENING THROUGH EXISTING MASONRY WALL
	OPENING		NON-BEARING MASONRY WALL		EXISTING MASONRY COLUMN IN MASONRY WALL
	CONCRETE HOUSEKEEPING PAD		NON-BEARING MASONRY LINTEL		EXISTING STEEL COLUMN - TUBE
			STEEL STUD WALL - STRUCTURAL		EXISTING STEEL COLUMN - WIDE FLANGE
			STEEL HEADER IN STEEL STUD WALL		EXISTING STEEL COLUMN - PIPE
			BRICK WALL		EXISTING STEEL BRACED FRAME
			BRICK WALL - RECESSED (FDTN PLAN)		EXISTING STEEL BEAM OR GIRDER
			BRICK LINTEL (FRAMING PLAN)		EXISTING STEEL JOIST OR PURLIN
			BRICK COLUMN IN BRICK WALL		EXISTING CROSS BRIDGING
			STEEL/WOOD BEAM OR GIRDER		EXISTING HORIZONTAL BRIDGING
			STEEL/WOOD JOIST OR PURLIN		EXISTING TO BE REMOVED
			STEEL BEAM OR GIRDER		EXISTING OPENING
			STEEL JOIST OR PURLIN		
			STEEL COLUMN - TUBE (HSS)		



ABBREVIATIONS	
@	AT
AB	ANCHOR BOLT (S)
ABV	ABOVE
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
BLDG	BUILDING
BLW	BELOW
BM	BEAM
BOT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
CJ	CONSTRUCTION JOINT OR CONTROL JOINT
CJP	COMPLETE JOINT PENETRATION
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CTR	CENTER
D.B.	DECK BEARING
db	DIAMETER OF REINFORCING BAR
DBA	DEFORMED BAR ANCHORS
DBL	DOUBLE
DET	DETAIL
DIA (OR Ø)	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DK	DECK
DN	DOWN
DWG	DRAWING
DWL	DOWEL
E.F.	EACH FACE
E.J.	EXPANSION JOINT (SEISMIC SEPARATION JOINT)
E.W.	EACH WAY
EA	EACH
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
ENG	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST (E)	EXISTING
EXP	EXPANSION / EXPOSED
EXT	EXTERIOR
F.D.	FLOOR DRAIN
F.F.	FINISH FLOOR
F.V.	FIELD VERIFY
FDTN	FOUNDATION
FIN	FINISH
FL	FLOOR
FT	FOOT
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GLB	GLU-LAMINATED BEAM
GR	GRADE
GSN	GENERAL STRUCTURAL NOTES
HB	HORIZONTAL BRIDGING
HORIZ	HORIZONTAL
HSA	HEADED STUD ANCHORS
HSS	HOLLOW STRUCTURAL STEEL
HT	HEIGHT
I.F.	INSIDE FACE
IBC	INTERNATIONAL BUILDING CODE
ICC	INTERNATIONAL CODE COUNCIL
IN	INCH
INSUL	INSULATION
INT	INTERIOR
JST	JOIST
JT	JOINT
K	KIPS - 1,000 POUNDS
KLF	KIPS PER LINEAL FOOT
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
LBS	POUNDS
Ld, Lt, Lsb, Lsbt, Ldc, Lsc	SEE CONCRETE REINFORCING BAR DEVELOPMENT AND LAP LENGTH SCHEDULE
LF	LINEAL FOOT
LFRS	LATERAL FORCE RESISTING SYSTEM (SFRS & WFRS)
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
MAS	MASONRY
MAX	MAXIMUM
MCJ	MASONRY CONTROL JOINT
MECH	MECHANICAL
MFGR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NORM	NORMAL
NTS	NOT TO SCALE
O.C.	ON CENTER
O.F.	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
OWSJ	OPEN WEB STEEL JOIST
P.T.	POST-TENSIONED
PAF	POWDER ACTUATED FASTENER
PCF	POUNDS/CUBIC FOOT
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
PLF	POUNDS/LINEAL FOOT
PNL	PANEL
PSF	POUNDS/SQ FOOT
PSI	POUNDS/SQ INCH
R.D.	ROOF DRAIN

ABBREVIATIONS	
REINF	REINFORCING
REQD	REQUIRED
SDS	SELF-DRILLING SCREW
SFRS	SEISMIC FORCE RESISTING SYSTEM
SHT	SHEET
SI	SPECIAL INSPECTION (SP. INSP.)
SIM	SIMILAR
SOG	SLAB ON GRADE
SQ	SQUARE
STAG	STAGGERED
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
T & B	TOP AND BOTTOM
T.O.	TOP OF
TEMP	TEMPERATURE
THDS	THREADS
TOC	TOP OF CONCRETE
TOCP	TOP OF CONCRETE PIER
TOF	TOP OF FOOTING
TOS	TOP OF SLAB
TOST	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W.P.	WORK POINT
W/	WITH
WF	WIDE FLANGE
WFRS	WIND FORCE RESISTING SYSTEM
WT	WEIGHT
WWF	WELDED WIRE FABRIC
YD	YARD

PLAN MARKS	
BF-#	BRACED FRAME
CB-#	CONCRETE BEAM
CC-#	CONCRETE COLUMN
CCSS-#	CANTILEVERED CONCRETE SUSPENDED SLAB
CDP-#	CONCRETE DRILLED PIER
CFW-#	CONCRETE FOUNDATION WALL
CGB-#	CONCRETE GRADE BEAM
CJ-#	CONCRETE JOIST
CJC-#	CONCRETE JAMB COLUMN
CL-#	CONCRETE LINTEL
CP-#	CONCRETE PIER
CRW-#	CONCRETE RETAINING WALL
CSG-#	CONCRETE SLAB ON GRADE
CSH-#	CONCRETE SHEAR HEAD
CSS-#	CONCRETE SUSPENDED SLAB
CSW-#	CONCRETE SHEAR WALL
CW-#	CONCRETE WALL
FC#	CONTINUOUS FOOTING
FM#	MAT FOOTING
FR#	RECTANGULAR FOOTING
FS#	SQUARE FOOTING
FTS#	THICKENED SLAB FOOTING
HD-#	HOLD DOWN ANCHOR
MC-#	MASONRY COLUMN
MF-#	MOMENT FRAME
ML-#	MASONRY LINTEL
MP-#	MASONRY PIER
MW-#	MASONRY WALL
PTB-#	POST-TENSIONED CONCRETE BEAM
SBP-#	STEEL BASE PLATE
SC-#	STEEL COLUMN
SCP-#	STEEL CAP PLATE
SD-#	STEEL DECK
SDA-#	STEEL DECK ATTACHMENT
SG-#	STEEL GIRDER
SJ-#	STEEL JOIST
SND-#	SNOW DRIFT
WB-#	WOOD BEAM
WBW-#	WOOD BEARING WALL
WC-#	WOOD COLUMN
WD-#	WOOD DIAPHRAGM
WJ-#	WOOD JOIST
WSW-#	WOOD SHEAR WALL

STRUCTURAL DRAWING LIST	
SHT NO.	SHT NAME
SE001	GENERAL STRUCTURAL NOTES
SE002	GENERAL STRUCTURAL NOTES
SE003	LEGENDS & ABBREVIATIONS
SB101	FOOTING AND FOUNDATION PLAN
SB501	TYPICAL FOOTING & FOUNDATION DETAILS
SB601	CONCRETE SCHEDULES
SB602	REINFORCING SCHEDULES
SF101	ROOF FRAMING PLAN
SF201	WALL ELEVATIONS
SF511	TYPICAL ROOF FRAMING DETAILS
SF551	NEW WALL OPENINGS

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SAN JUAN SCHOOL DISTRICT

MONTICELLO HIGH SCHOOL - SECURITY UPGRADES

148 SOUTH 200 WEST
MONTICELLO, UTAH 84535

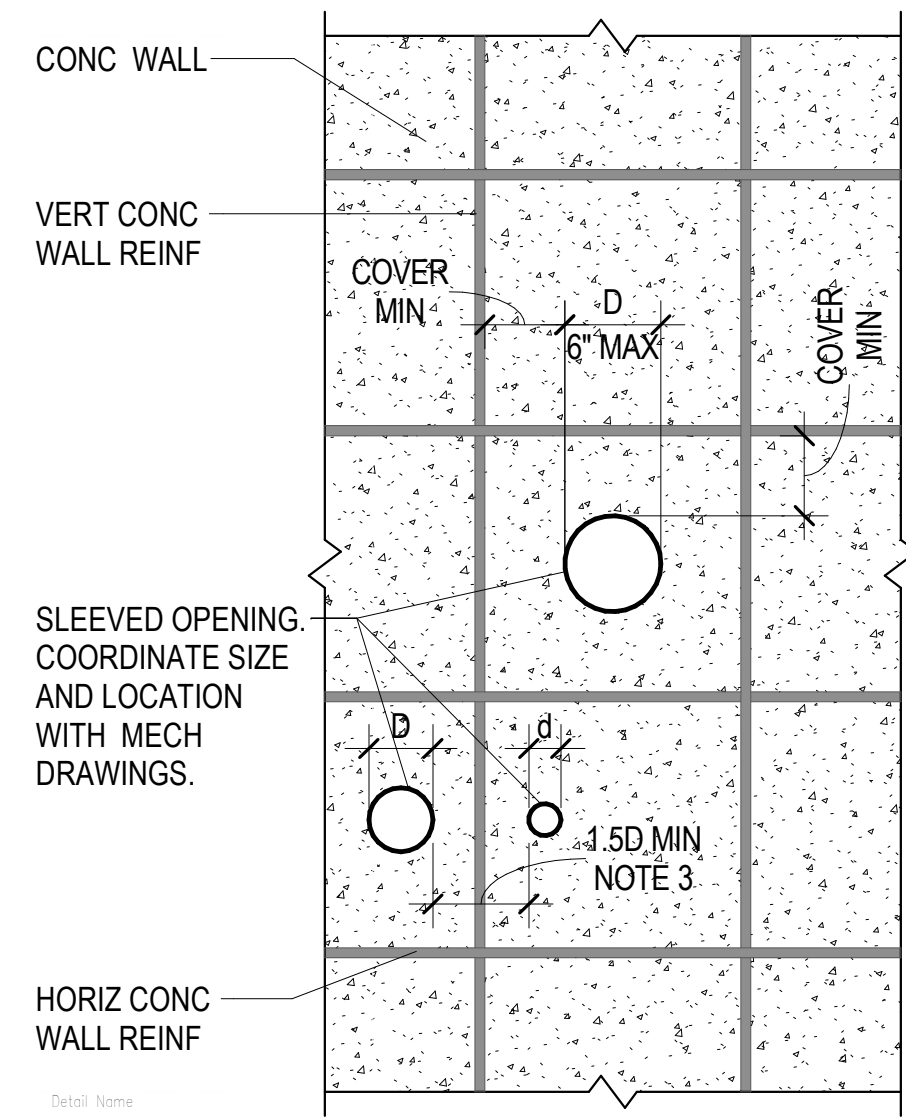
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06 FEBRUARY 2026

SE003

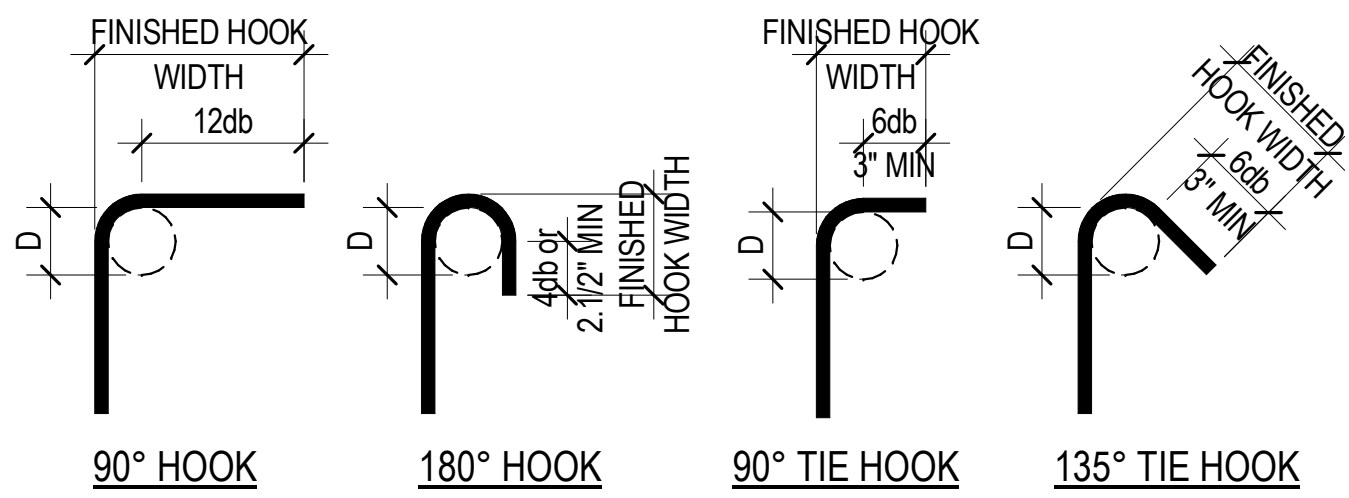
LEGENDS & ABBREVIATIONS

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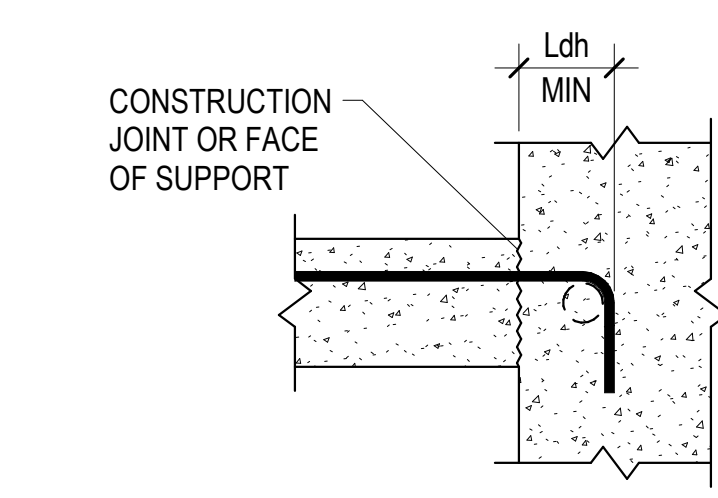
- | CONCRETE FOOTING SCHEDULE | | | | | | | | | | | | |
|---------------------------|---------|---------|---------|-----------------------|------|--------|-------|------------------------|------|--------|-------|---------|
| MARK | WIDTH | LENGTH | THICK | CROSSWISE REINFORCING | | | | LENGTHWISE REINFORCING | | | | REMARKS |
| | | | | NO. | SIZE | LENGTH | SPACE | NO. | SIZE | LENGTH | SPACE | |
| FS5.0 | 5' - 0" | 5' - 0" | 1' - 0" | 7 | #4 | 4'-6" | 9" | 7 | #4 | 4'-6" | 9" | |
| FS8.0 | 8' - 0" | 8' - 0" | 1' - 4" | 9 | #5 | 7'-6" | 11.3" | 9 | #5 | 7'-6" | 11.3" | |

- | CONCRETE PIER SCHEDULE | | | | | |
|------------------------|------------|---------|-------------|-------------|---------|
| MARK | DIMENSIONS | | REINFORCING | | REMARKS |
| | DEPTH | WIDTH | VERTICAL | TIES | |
| CP-1 | 2' - 0" | 2' - 0" | 8#8 | #4@16" O.C. | |



END HOOK SCHEDULE						
BAR SIZE	STANDARD FINISHED HOOK WIDTH			SEISMIC FINISHED HOOK WIDTH		
	D	90° HOOK	180° HOOK	D	90° TIE HOOK	135° TIE HOOK
#3	2.1/4"	6"	3"	1.1/2"	4"	4.1/4"
#4	3"	8"	4"	2"	4.1/2"	4.1/2"
#5	3.3/4"	10"	5"	2.1/2"	6"	5.1/2"
#6	4.1/2"	12"	6"	4.1/2"	--	8"
#7	5.1/4"	14"	7"	5.1/4"	--	9"
#8	6"	16"	8"	6"	--	10.1/2"
#9	9.1/2"	19"	11.3/4"	--	--	--
#10	10.3/4"	22"	13.1/4"	--	--	--
#11	12"	24"	14.3/4"	--	--	--
#14	18.1/4"	31"	21.3/4"	--	--	--
#18	24"	41"	28.1/2"	--	--	--

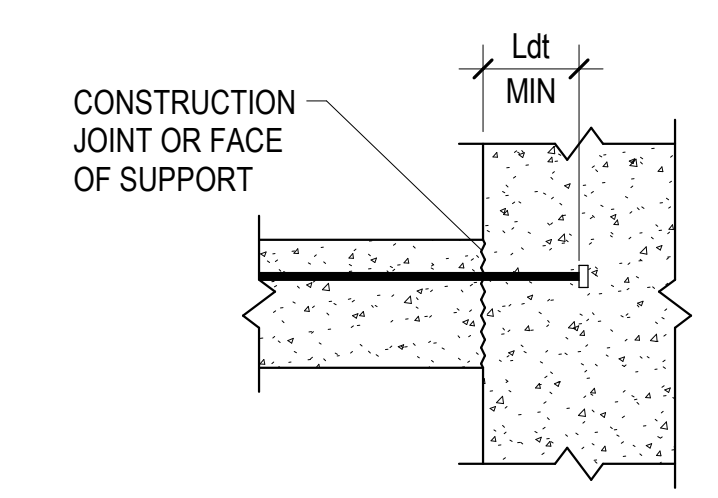
D1 REINFORCEMENT END HOOK SCHEDULE
SB602/ NO SCALE



TENSION HOOK DEVELOPMENT LENGTH (Ldh)						
BAR SIZE	NORMAL WEIGHT CONCRETE, f _c = PSI					
	3,000	4,000	4,500	5,000	6,000	
#3	6"	6"	6"	6"	6"	
#4	6"	6"	6"	6"	6"	
#5	8"	8"	8"	8"	7"	
#6	11"	10"	10"	10"	10"	
#7	14"	13"	12"	12"	12"	
#8	16"	15"	15"	15"	15"	
#9	20"	18"	18"	18"	17"	
#10	23"	22"	21"	21"	21"	
#11	27"	26"	25"	25"	24"	
#14	71"	66"	65"	64"	63"	
#18	109"	102"	100"	98"	96"	

NOTES:
1. SCHEDULE DOES NOT APPLY FOR THE FOLLOWING HOOKED BAR CASES:
a. BAR SPACING(s) LESS THAN 6db.
b. BARS TERMINATING IN A COLUMN CORE WITH SIDE COVER PERPENDICULAR TO PLANE OF HOOK LESS THAN 2.5 IN.
c. BARS WITH SIDE COVER PERPENDICULAR TO PLANE OF HOOK LESS THAN 6db.
d. BARS AT DISCONTINUOUS ENDS OF MEMBERS WITH SIDE, TOP, AND BOTTOM COVER TO HOOK LESS THAN 2.5 IN.
2. VALUES IN SCHEDULE ARE APPLICABLE TO GRADE 60 REINFORCING BARS
a. FOR GRADE 80 BARS, MULTIPLY VALUES BY 1.33.
b. FOR GRADE 100 BARS, MULTIPLY VALUES BY 1.67.
3. ADJUST VALUES AS NOTED FOR THE FOLLOWING CASES
a. FOR BARS COATED IN EPOXY AND/OR ZINC MULTIPLY VALUES BY 1.2.
b. FOR LIGHTWEIGHT CONCRETE MULTIPLY VALUES BY 1.33.
4. CASES NOT APPLICABLE TO THIS SCHEDULE SHALL BE IN ACCORDANCE WITH SECTION 25.4.3 OF ACI 318-19

C2 TENSION HOOK DEVELOPMENT SCHEDULE
SB602/ NO SCALE



TENSION HEADED BAR DEVELOPMENT LENGTH (Ldt)						
BAR SIZE	NORMAL WEIGHT CONCRETE, f _c = PSI					
	3,000	4,000	4,500	5,000	6,000	
#3	6"	6"	6"	6"	6"	
#4	6"	6"	6"	6"	6"	
#5	6"	6"	6"	6"	6"	
#6	8"	8"	7"	7"	7"	
#7	10"	9"	9"	9"	9"	
#8	12"	11"	11"	11"	11"	
#9	14"	14"	13"	13"	13"	
#10	17"	16"	16"	16"	15"	
#11	20"	19"	18"	18"	18"	

NOTES:
1. SCHEDULE DOES NOT APPLY FOR THE FOLLOWING HEADED BAR CASES:
a. BAR SPACING(s) LESS THAN 6db.
b. BARS TERMINATING IN A COLUMN CORE WITH SIDE COVER PERPENDICULAR TO PLANE OF HEADED BAR LESS THAN 2.5 IN.
c. BARS WITH SIDE COVER PERPENDICULAR TO PLANE OF HEADED BAR LESS THAN 6db.
2. VALUES IN SCHEDULE ARE APPLICABLE TO GRADE 60 REINFORCING BARS.
a. FOR GRADE 80 BARS, MULTIPLY VALUES BY 1.33.
b. FOR GRADE 100 BARS, MULTIPLY BY VALUES 1.67
3. FOR EPOXY AND/OR ZINC COATED BARS MULTIPLY VALUES BY 1.2
4. CASES NOT APPLICABLE TO THIS SCHEDULE SHALL BE IN ACCORDANCE WITH SECTION 25.4.4. OF ACI 318-19
5. TENSION HEADED REINFORCING BARS SHALL CONFORM TO SECTION 25.4.4.1 OF ACI 319-19.

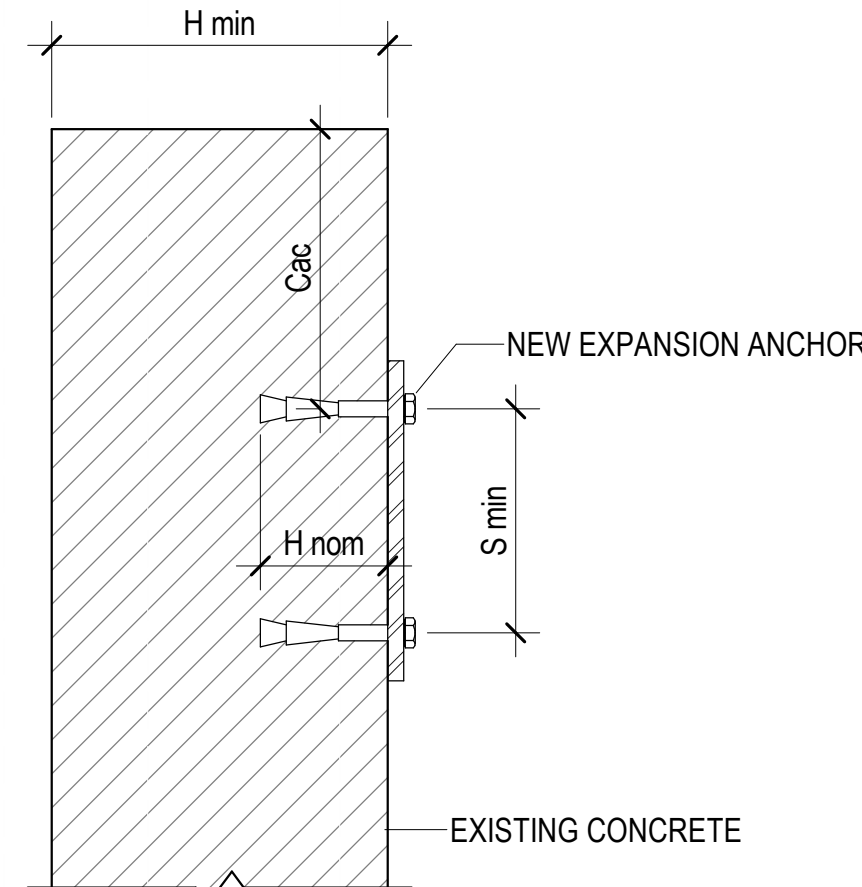
C3 TENSION HEADED BAR DEVELOPMENT SCHEDULE
SB602/ NO SCALE

CONCRETE REINFORCING BAR DEVELOPMENT AND LAP SPlice LENGTH SCHEDULE																						
BAR SIZE	f _c = 3000 PSI				f _c = 4000 PSI				f _c = 4500 PSI				f _c = 5000 PSI				f _c = 6000 PSI				f _c = ALL	
	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ld	Lt	Lsb	Lsbt	Ldc	Lsc
#3	17"	22"	22"	28"	15"	19"	19"	25"	14"	18"	18"	23"	13"	17"	17"	22"	12"	16"	16"	20"	8"	12"
#4	22"	29"	29"	38"	19"	25"	25"	33"	18"	24"	24"	31"	17"	23"	23"	29"	16"	21"	21"	27"	10"	15"
#5	28"	36"	36"	47"	24"	31"	31"	41"	23"	30"	30"	38"	22"	28"	28"	36"	20"	26"	26"	33"	12"	19"
#6	33"	43"	43"	56"	29"	37"	37"	49"	27"	35"	35"	46"	26"	34"	34"	44"	24"	31"	31"	40"	15"	23"
#7	48"	63"	63"	81"	42"	54"	54"	71"	40"	51"	51"	67"	38"	49"	49"	63"	34"	45"	45"	58"	17"	27"
#8	55"	72"	72"	93"	48"	62"	62"	81"	45"	59"	59"	76"	43"	56"	56"	72"	39"	51"	51"	66"	19"	30"
#9	62"	81"	81"	105"	54"	70"	70"	91"	51"	66"	66"	86"	48"	63"	63"	81"	44"	57"	57"	74"	22"	34"
#10	70"	91"	91"	118"	61"	79"	79"	102"	57"	74"	74"	96"	54"	71"	71"	92"	50"	64"	64"	84"	24"	39"
#11	78"	101"	101"	131"	67"	87"	87"	114"	64"	82"	82"	107"	60"	78"	78"	102"	55"	71"	71"	93"	27"	43"
#14	93"	121"	NA	NA	81"	105"	NA	NA	76"	99"	NA	NA	72"	94"	NA	NA	66"	86"	NA	NA	33"	NA
#18	124"	161"	NA	NA	108"	140"	NA	NA	101"	132"	NA	NA	96"	125"	NA	NA	88"	114"	NA	NA	43"	NA

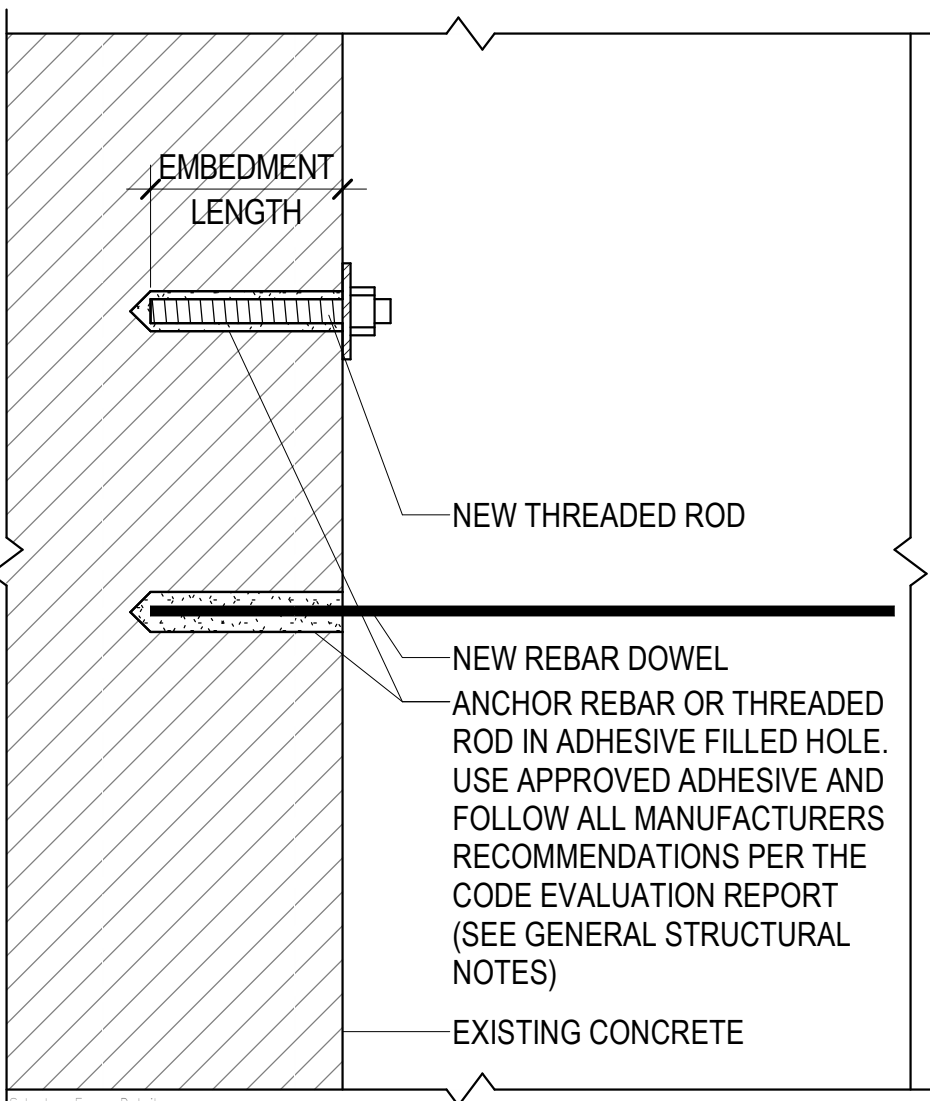
NOTES:
1. DEFINITIONS:
Ld: TENSION DEVELOPMENT LENGTH FOR REINFORCEMENT SATISFYING THE FOLLOWING CONDITIONS:
SLABS AND WALLS: CLEAR SPACING > 2db AND CONCRETE CLEAR COVER > db
BEAMS AND COLUMNS: CLEAR COVER SPACING > db AND CONCRETE CLEAR COVER > db
Lt: DEVELOPMENT LENGTH FOR TOP BARS IN TENSION
Lsb: TENSION LAP SPlice LENGTH FOR OTHER THAN TOP BARS (CLASS B)
Lsbt: TENSION LAP SPlice LENGTH OF TOP BARS
Ldc: DEVELOPMENT LENGTH FOR BARS IN COMPRESSION
Lsc: TIED COLUMN LAP SPlice IN COMPRESSION
db: NOMINAL BAR DIAMETER (INCHES)
TOP BARS: HORIZONTAL BEAM REINFORCEMENT WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW
2. MULTIPLY VALUES IN SCHEDULE BY 1.5 IF CLEAR SPACING OR CONCRETE COVER DO NOT MEET REQUIREMENTS FOR Ld IN NOTE 1.
3. MULTIPLY VALUES IN SCHEDULE BY 1.3 FOR USE IN LIGHTWEIGHT AGGREGATE CONCRETE.
4. FOR EPOXY COATED BAR: MULTIPLY VALUES IN SCHEDULE BY 1.5 FOR BARS WITH CLEAR COVER < 3db OR CLEAR SPACING < 6db. OTHERWISE MULTIPLY VALUES BY 1.2.
5. a. FOR BUNDLED BARS OF THREE OR LESS MULTIPLY LENGTHS BY 1.2.
b. FOR BUNDLED BARS OF FOUR OR MORE MULTIPLY LENGTHS BY 1.33.
c. INDIVIDUAL BAR SPICES WITHIN A BUNDLE SHALL NOT OVERLAP. ENTIRE BUNDLES SHALL NOT BE LAP SPICED.
6. SCHEDULE LENGTHS ARE FOR fy=60ksi REINFORCING, MULTIPLY LENGTHS BY 1.53 FOR fy=80ksi, 2.17 FOR fy=100ksi REINFORCING.
7. LAP SPICES ARE NOT PERMITTED FOR #14 & #18 BARS. USE BAR COUPLERS PER G.S.N.
8. MINIMUM CLEAR SPACING BETWEEN THE CONTACT LAP SPICES SHOWN IN THIS SCHEDULE AND ADJACENT SPICES OR BARS SHALL BE IN ACCORDANCE WITH THE DETAILING PROVISIONS OF GENERAL STRUCTURAL NOTES.

EXPANSION ANCHORS IN CONCRETE SCHEDULE				
ANCHOR SIZE	MINIMUM EDGE DISTANCE (Cac)	EMBEDMENT LENGTH (H nom)	MINIMUM CONCRETE THICKNESS (H min)	MINIMUM ANCHOR SPACING (S min)
3/8"Ø	6.1/2"	2.7/8"	4.1/2"	3.3/4"
1/2"Ø	10"	3.7/8"	6"	5"
5/8"Ø	10"	5.1/8"	8"	6"
3/4"Ø	16"	5.3/4"	10"	7"

NOTES:
1. THIS SCHEDULE SHALL BE USED ONLY WHERE SPECIFICALLY REFERENCED ON THE DRAWINGS. ANCHORS AT OTHER LOCATIONS MUST BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
2. EDGE DISTANCE, Cac, AND EMBEDMENT LENGTHS, H nom, AND ANCHOR SPACING SPECIFIED ON PLANS OR DETAILS TAKE PRECEDENCE OVER VALUES IN THIS SCHEDULE.
3. ANCHORS LOCATED WHERE THE THICKNESS OF THE EXISTING CONCRETE MEMBER DOES NOT MEET THE REQUIRED MINIMUM CONCRETE THICKNESS MUST BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION.
4. SEE GENERAL STRUCTURAL NOTES FOR LIST OF APPROVED ANCHORS AND OTHER REQUIREMENTS FOR USING EXPANSION ANCHORS.



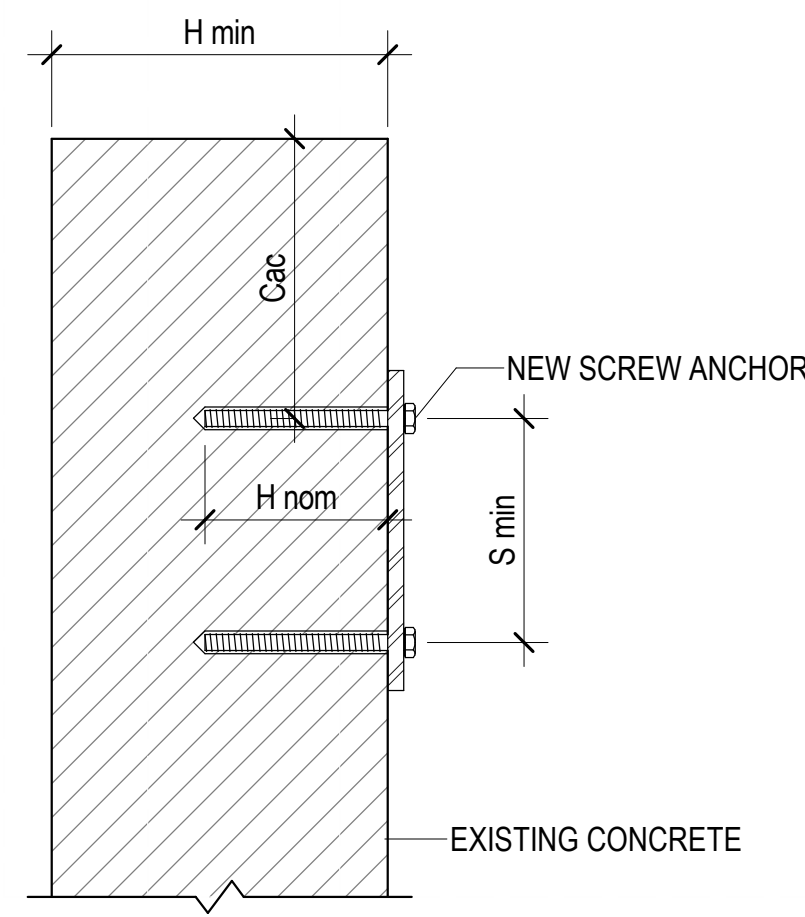
B4 EXPANSION ANCHORS IN CONCRETE SCHEDULE
SB602/ NO SCALE



A2 ADHESIVE ANCHORS IN CONCRETE SCHEDULE
SB602/ NO SCALE

ADHESIVE ANCHORS IN CONCRETE SCHEDULE			
REINFORCING BAR		THREADED ROD	
DOWEL SIZE	EMBEDMENT LENGTH (SEE NOTE #2)	SIZE	EMBEDMENT LENGTH (SEE NOTE #2)
#3	4"	3/8"Ø	4.1/2"
#4	6"	1/2"Ø	6"
#5	9"	5/8"Ø	7.1/2"
#6	10"	3/4"Ø	9"
#7	12.1/2"	7/8"Ø	10.1/2"
#8	13"	1"Ø	12"
#9	14"	1.1/4"Ø	15"
#10	18"		
#11	19"		

NOTES:
1. THIS SCHEDULE SHALL BE USED ONLY WHERE SPECIFICALLY REFERENCED ON THE DRAWINGS AND AT OTHER LOCATIONS WITH APPROVAL OF THE STRUCTURAL ENGINEER.
2. EMBEDMENT LENGTHS SPECIFIED ON PLANS OR DETAILS TAKE PRECEDENCE OVER EMBEDMENT LENGTHS IN THIS SCHEDULE.
3. WHERE THE THICKNESS OF THE EXISTING CONCRETE MEMBER IS NOT SUFFICIENT TO ACHIEVE SCHEDULED EMBEDMENT AND SPECIFIED CLEAR COVER FOR THE ANCHOR, CONTACT THE STRUCTURAL ENGINEER.
4. SEE GENERAL STRUCTURAL NOTES FOR LIST OF APPROVED ADHESIVES AND OTHER REQUIREMENTS FOR ADHESIVE ANCHORING.



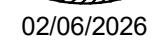
A4 SCREW ANCHORS IN CONCRETE SCHEDULE
SB602/ NO SCALE

SCREW ANCHORS IN CONCRETE SCHEDULE				
ANCHOR SIZE	MINIMUM EDGE DISTANCE (Cac)	EMBEDMENT LENGTH (H nom)	MINIMUM CONCRETE THICKNESS (H min)	MINIMUM ANCHOR SPACING (S min)
3/8"Ø	3.3/4"	3.1/4"	5"	3"
1/2"Ø	4.1/2"	4"	6.1/4"	3.1/2"
5/8"Ø	6.3/8"	5.1/2"	8.1/2"	3.3/4"
3/4"Ø	7.5/16"	6.1/4"	10"	4.1/2"

NOTES:
1. THIS SCHEDULE SHALL BE USED ONLY WHERE SPECIFICALLY REFERENCED ON THE DRAWINGS AND AT OTHER LOCATIONS WITH APPROVAL OF THE STRUCTURAL ENGINEER.
2. EDGE DISTANCE, Cac, AND EMBEDMENT LENGTHS, H nom, AND ANCHOR SPACING SPECIFIED ON PLANS OR DETAILS TAKE PRECEDENCE OVER VALUES IN THIS SCHEDULE.
3. ANCHORS LOCATED WHERE THE THICKNESS OF THE EXISTING CONCRETE MEMBER DOES NOT MEET THE REQUIRED MINIMUM CONCRETE THICKNESS MUST BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION.
4. SPECIAL INSPECTION IS REQUIRED DURING INSTALLATION OF ALL SCREW ANCHORS PER THE CODE EVALUATION REPORT FOR THE ANCHOR AND THE QUALITY ASSURANCE SECTION OF THE GENERAL STRUCTURAL NOTES.
5. SEE GENERAL STRUCTURAL NOTES FOR LIST OF APPROVED ANCHORS AND OTHER REQUIREMENTS FOR USING SCREW ANCHORS.
6. SCREW ANCHORS SHALL ONLY BE USED IN INTERIOR DRY LOCATIONS

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SEAL



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REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT

NO. Δ	DATE	DESCRIPTION
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ISSUE

Table 1

ROOF FRAMING

ROOF TRAINING

PLAN

SHEET NUMBER

05101

101

[RETURN TO INDEX](#)

STING STEEL BEAM 6'-0" AWAY FROM
THE EXISTING MASONRY.
9500 lbf
100 lbf

2. DEMOLISH EXISTING MASONRY WALL MINIMUM WIDTH REQUIRED TO INSTALL NEW CHANNELS.

3. INSTALL NEW CHANNELS PER D1/SF511, CONNECT CHANNEL TO EXISTING MASONRY WALL ON NORTH END PER DETAIL D3/SF511.

4. SHORE NEW CHANNELS AT 6'-0" MAX FROM EXISTING MASONRY WALL INTERSECTION REQUIRED TO ALLOW FOR INSTALLATION OF NEW CONCRETE FOUNDATION

PDL = 7500 lbf
PLL = 24000 lbf

5. DEMOLISH PORTION OF EXISTING MASONRY WALL.
CONCRETE FOUNDATION WALLS AND FOUNDATIONS
AS REQUIRED TO ALLOW FOR INSTALLATION OF NEW
SPOT FOUNDATION CONCRETE PIER, AND COLUMN.

6. INSTALL NEW COLUMN AND CONNECT EXISTING STEEL BEAM AND NEW STEEL CHANNELS PER DETAILS SHOWN ON PLANS.

7. DEMOLISH REMAINING PORTION OF EXISTING MASONRY WALL TO UNDERSIDE OF EXISTING STEEL ROOF DECK.

8. DEMOLISH REMAINING PORTION OF EXISTING MASONRY WALL TO BOTTOM OF NEW STEEL CHANNELS.

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO DETAILING, FABRICATING, ERECTING OR INSTALLING ANY STRUCTURAL ELEMENT. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM IN A TIMELY MANNER SUCH THAT WORK WILL NOT BE DELAYED.

2. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING OF EXISTING STRUCTURE DURING CONSTRUCTION.

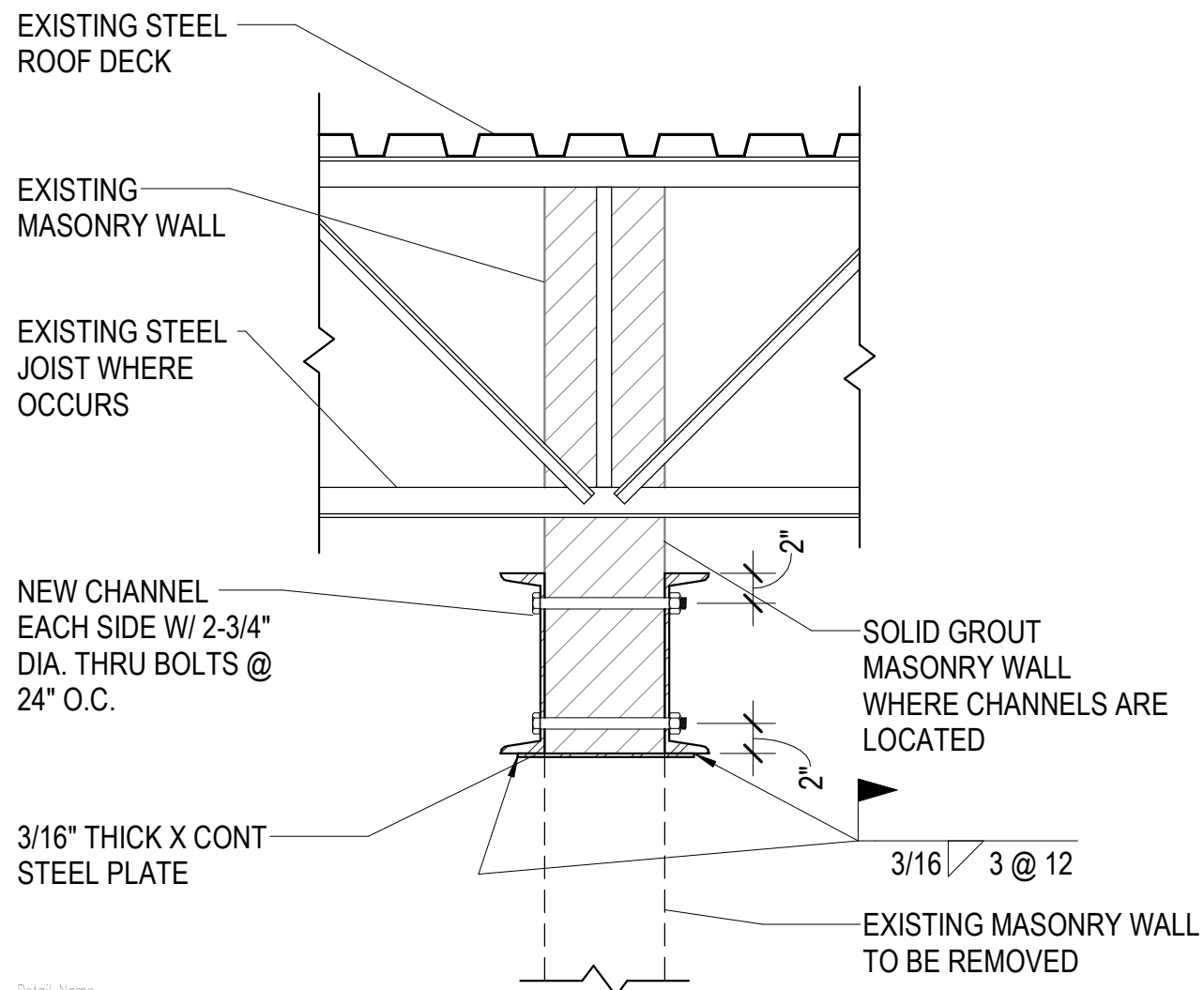
3. SEE DETAILC4/[SF551](#) FOR NEW MECHANICAL PENETRATIONS THROUGH THE EXISTING MASONRY WALL.

Autodesk Docs/120235554 - SUSD School Projects (Banding ES - MHS - ARL-MS - MCES - SJHS)S24_20235554_SUSD MHS - Secure Vestibule.rvt
2/6/2026 9:46:48 AM

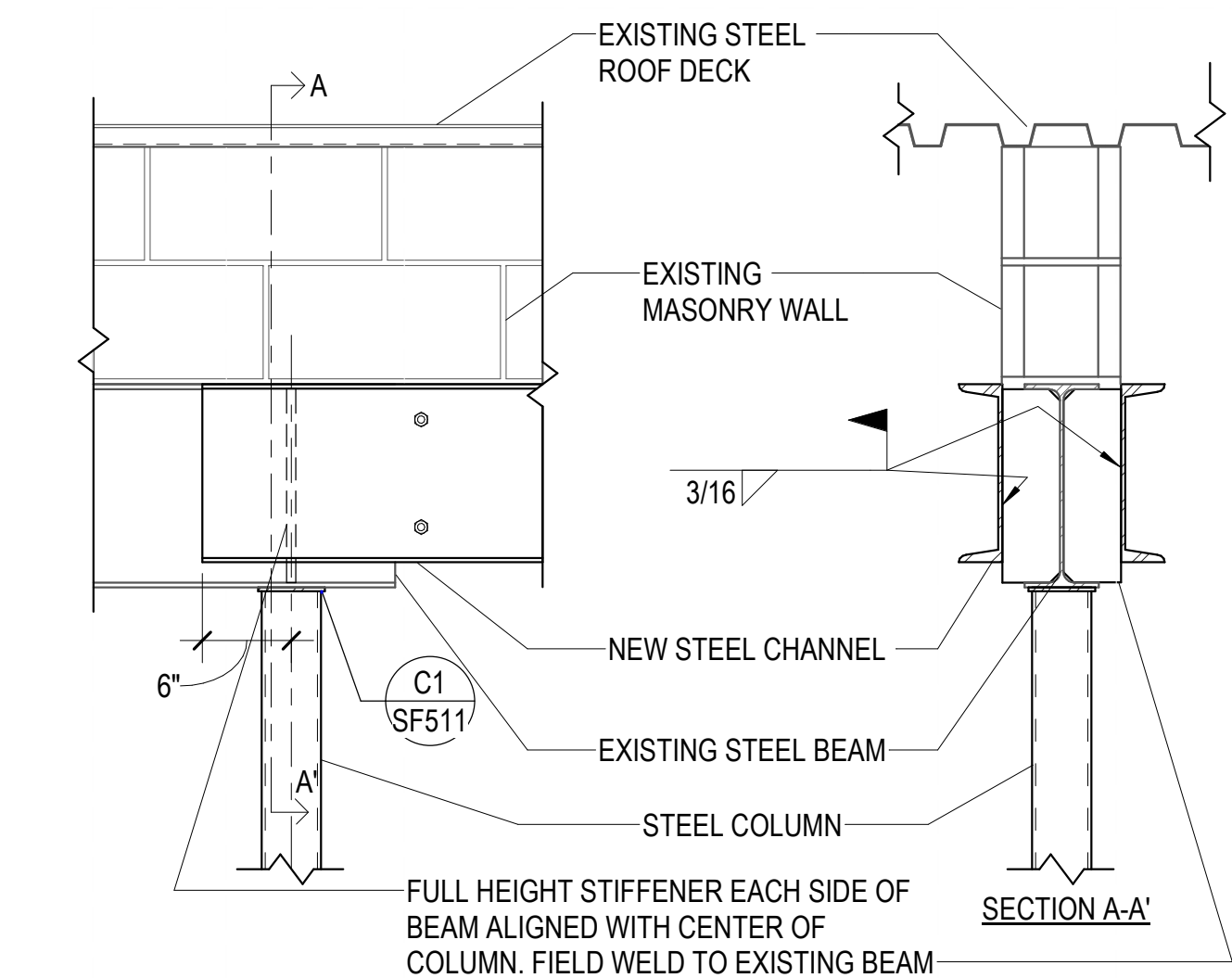
ROOF FRAMING PLAN

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

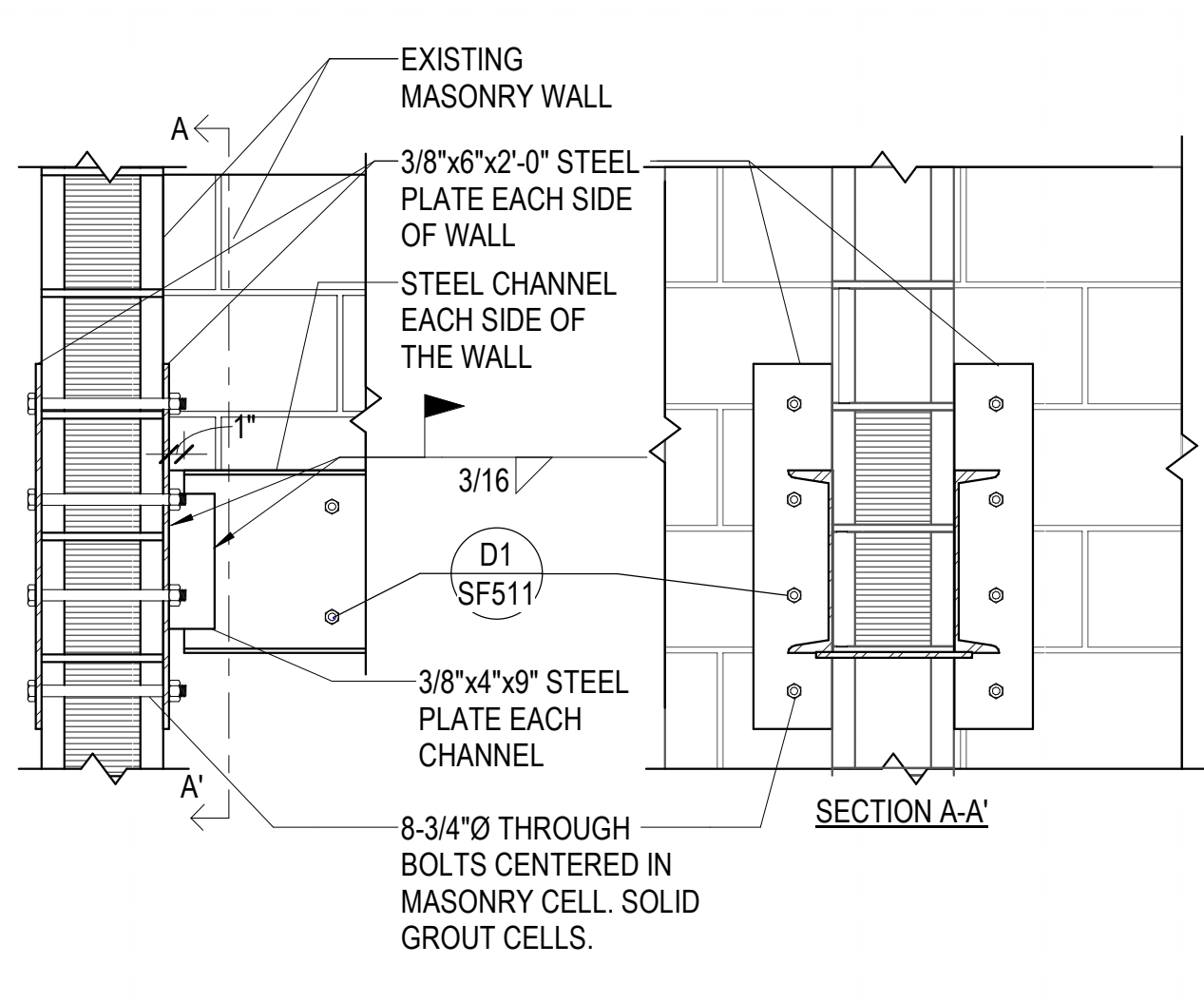
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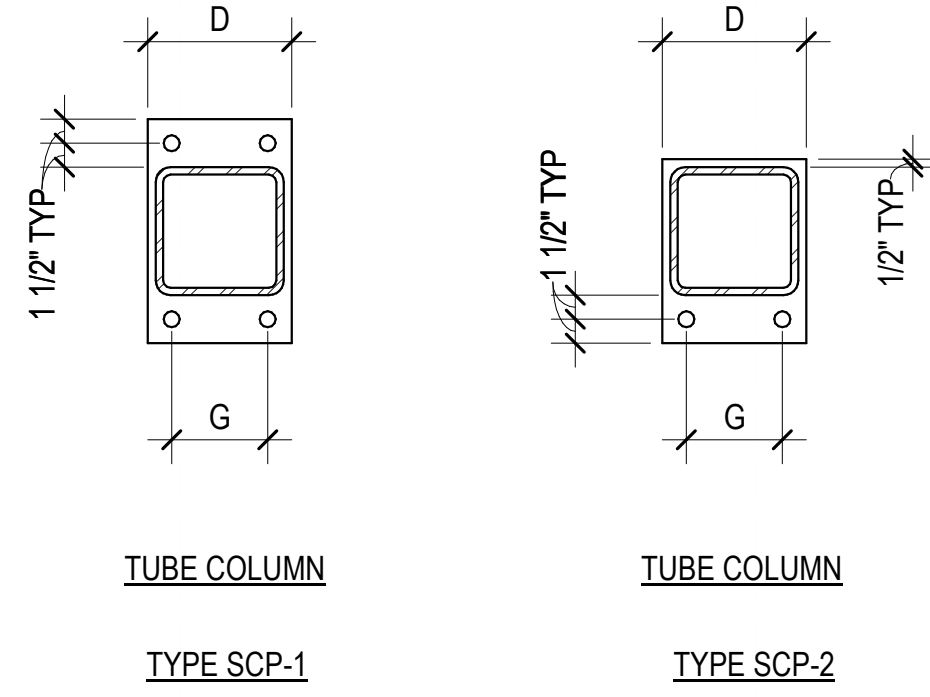
D1
SF511
CHANNELS ABOVE NEW OPENINGS AT EXISTING MASONRY WALL
NO SCALE



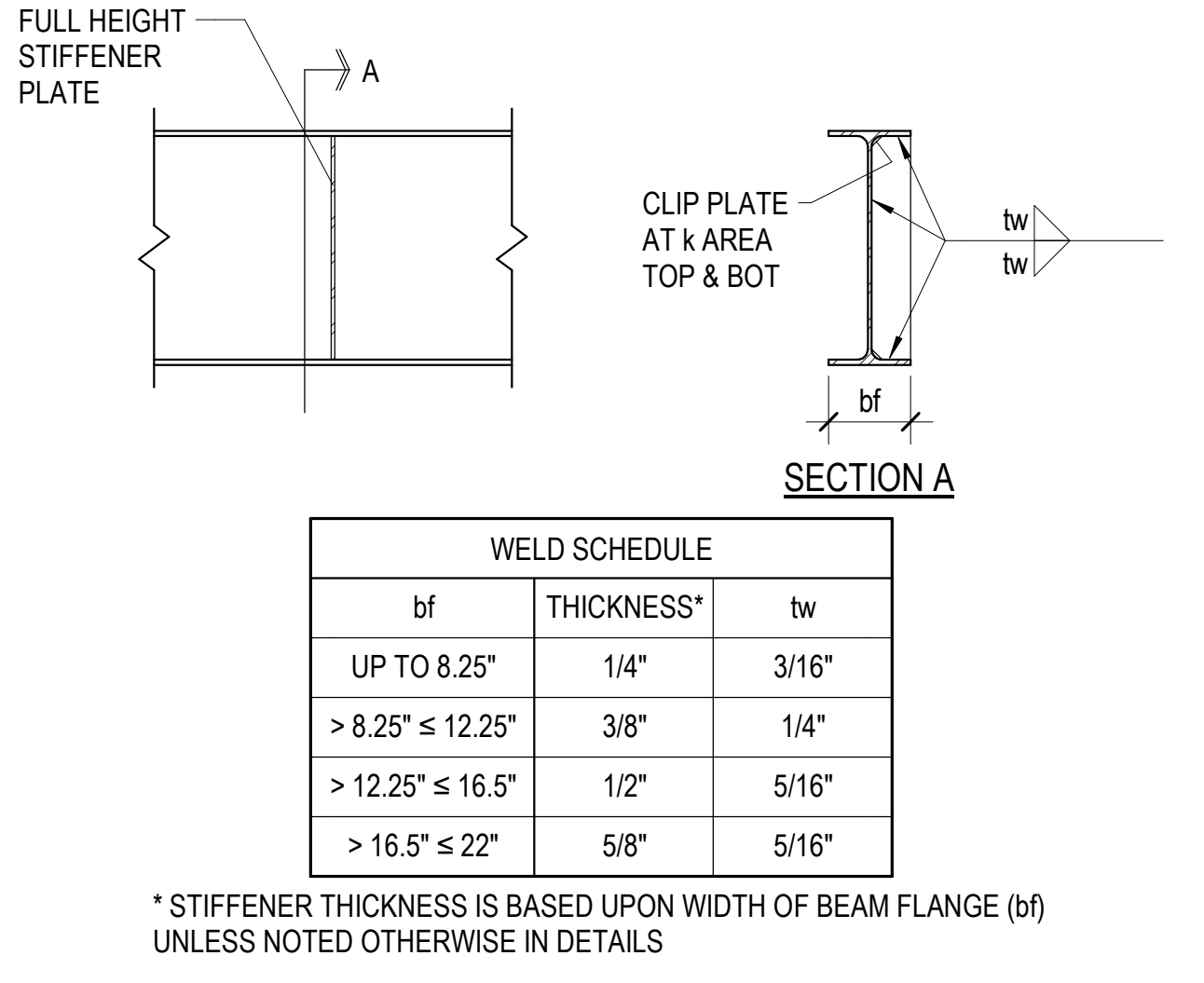
D2
SF511
EXISTING STEEL BEAM CONNECTION TO NEW STEEL COLUMN
NO SCALE



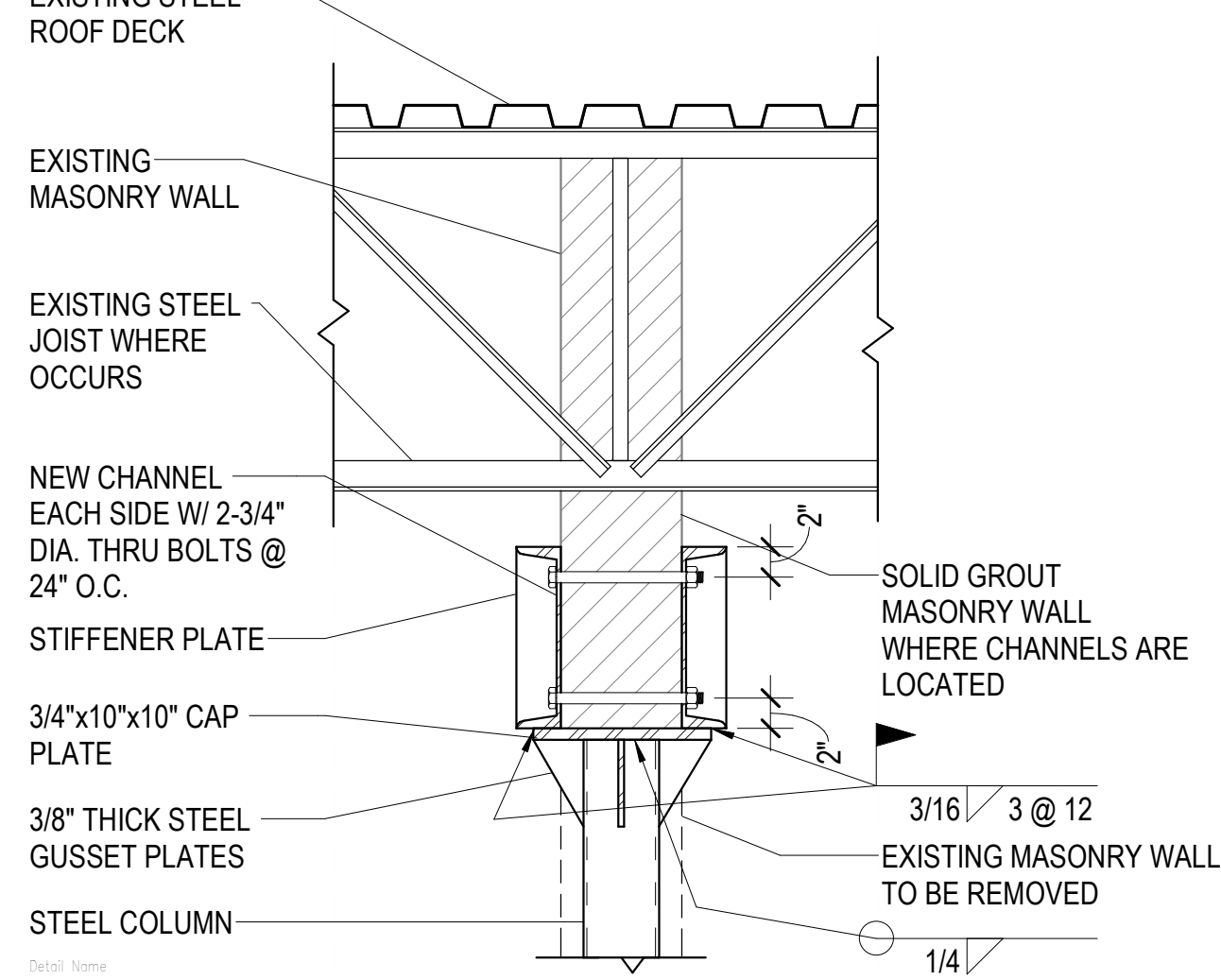
D3
SF511
STEEL CHANNEL TO PERPENDICULAR MASONRY COLUMN
NO SCALE



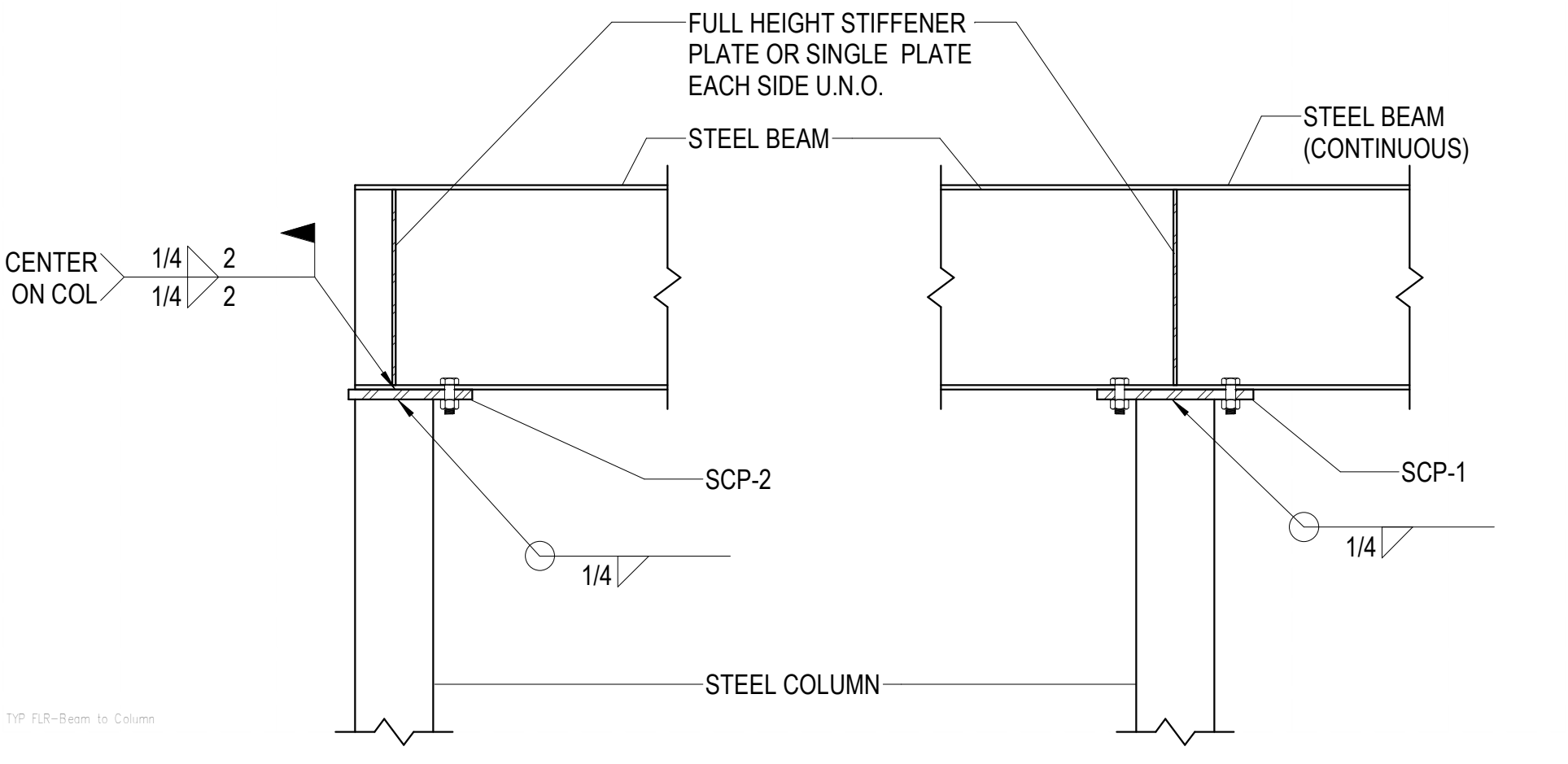
C3
SF511
TYPICAL STEEL CAP PLATE DETAILS FOR GRAVITY COLUMNS
NO SCALE



D4
SF511
TYPICAL STIFFENER PLATE DETAIL
NO SCALE



C4
SF511
CHANNEL CONNECTION TO STEEL COLUMN
NO SCALE



C1
SF511
TYPICAL STEEL BEAM BEARING ON STEEL COLUMN
NO SCALE

MHTN

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SAN JUAN SCHOOL DISTRICT

MONTICELLO HIGH SCHOOL - SECURITY

UPGRADES

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MONTICELLO, UTAH 84535

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SEAL

PROFESSIONAL STRUCTURAL ENGINEER

No. 12345

AUSTIN D. NADALUD

STATE OF UTAH

02/06/2026

MHTN PROJECT NO. 2023554-01

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NO. DATE DESCRIPTION

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06 FEBRUARY 2026

SHEET NAME

TYPICAL ROOF

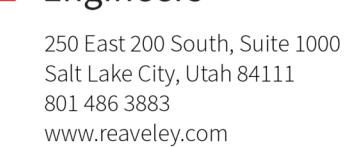
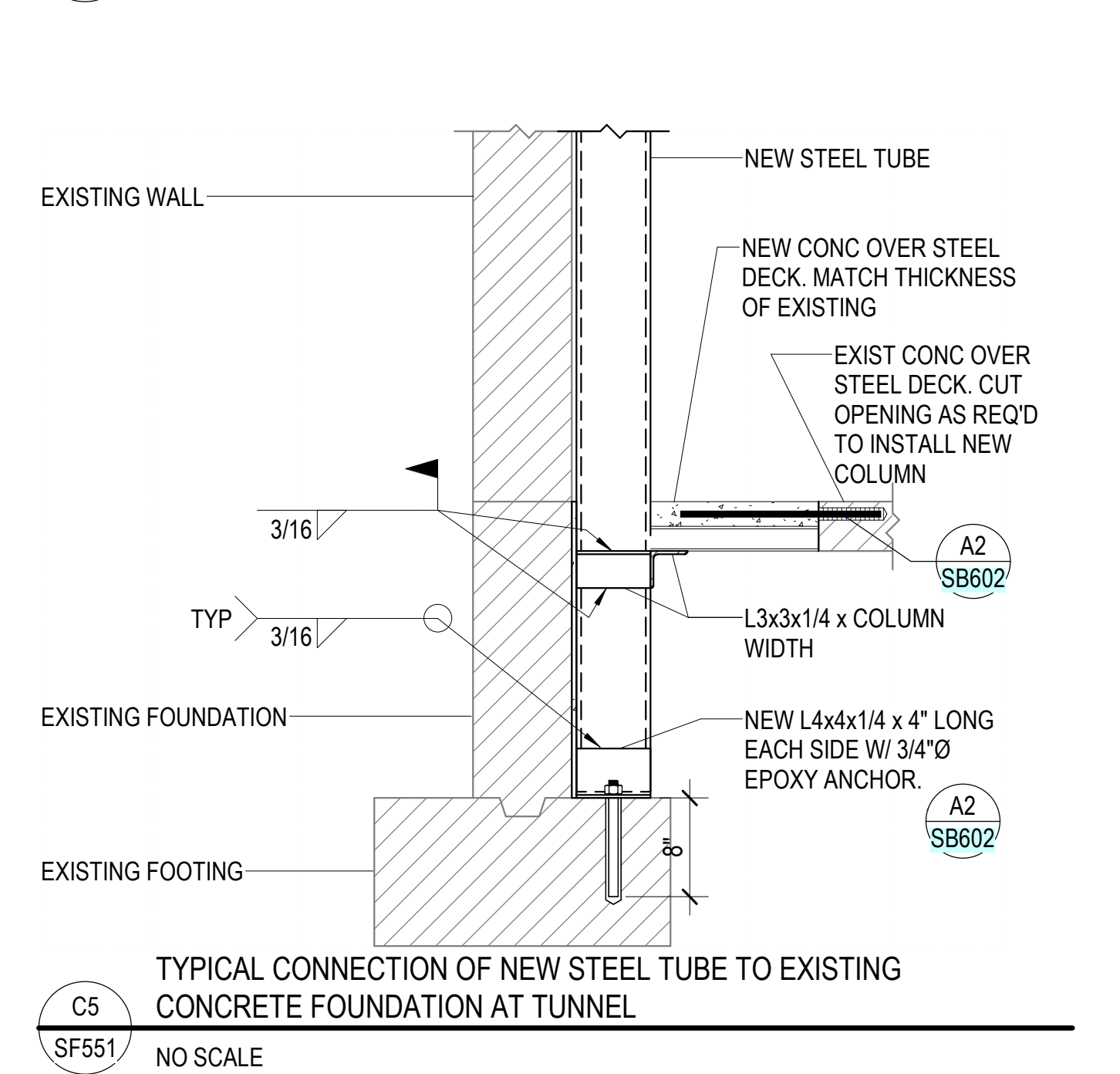
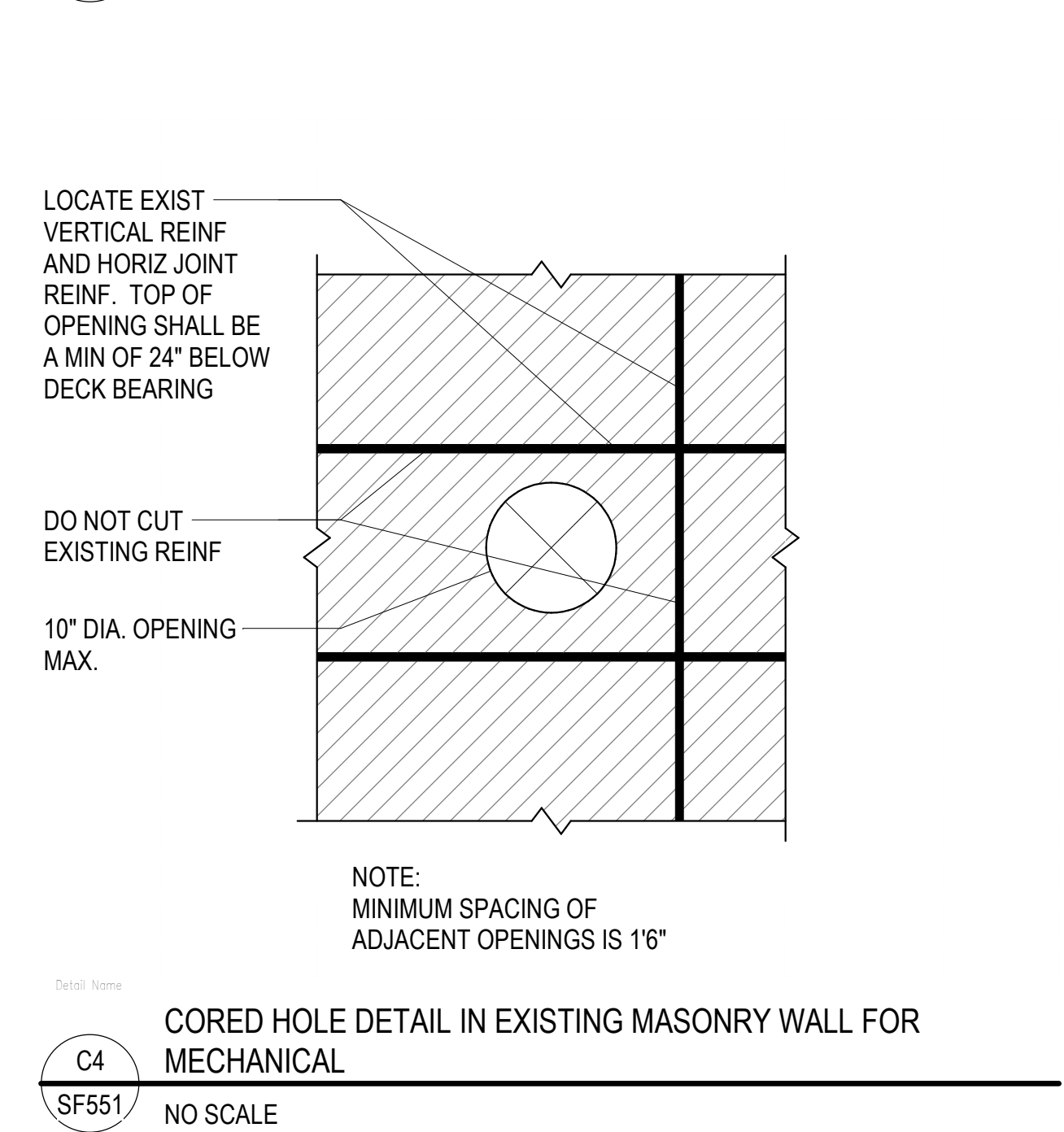
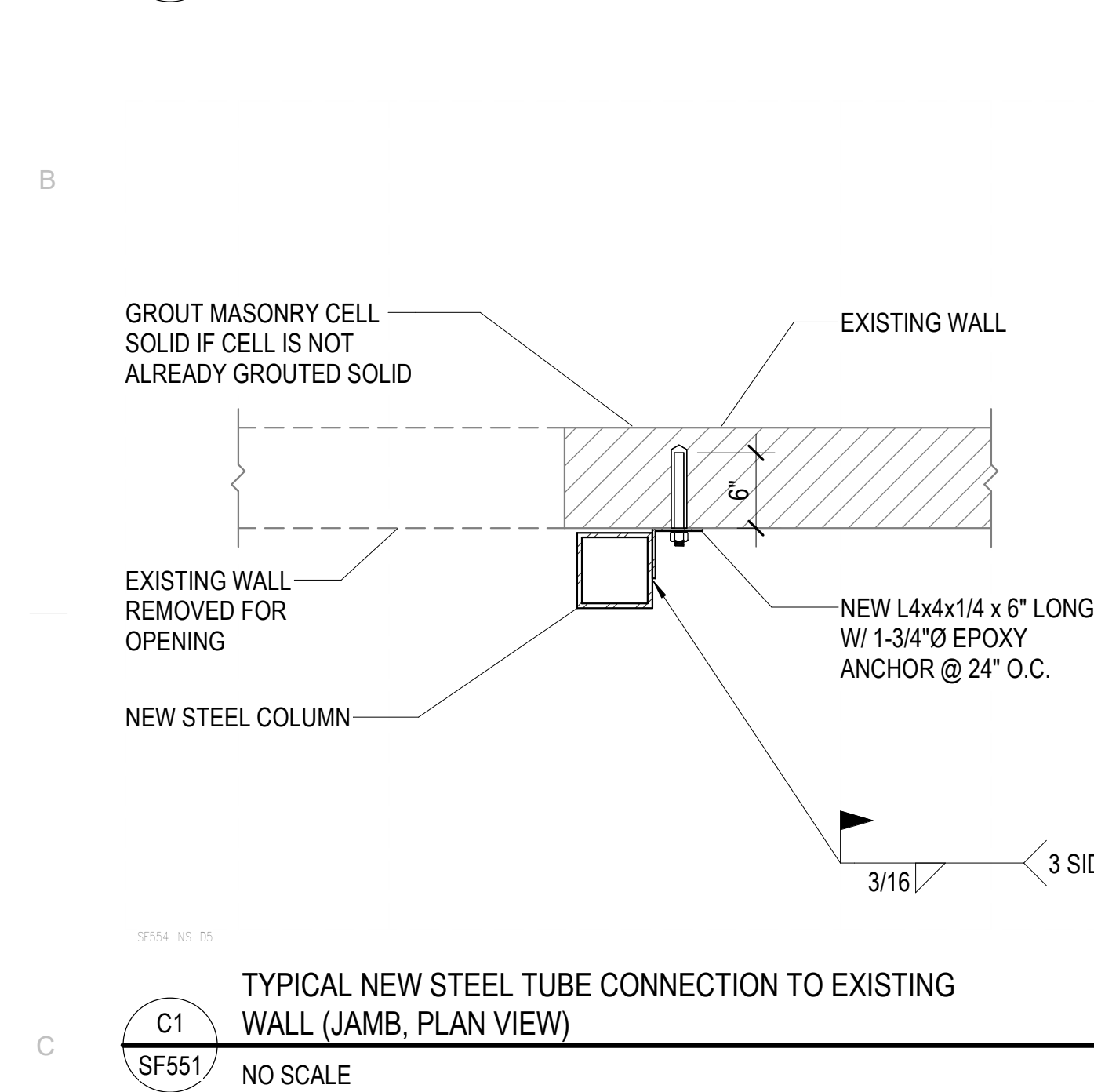
FRAMING

DETAILS

SHEET NUMBER

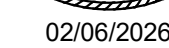
SF511

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LAST REVISION DATE.

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ISSUE
CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS
ALTERNATIVE

06 FEBRUARY 2026

SECRET NAME

SHEET NAME
NEW WALL

NEW WALL

OPENINGS

OPENINGS

SHEET NUMBER

OFFICE NUMBER:

05551

SF551

31 55 1

— — — — —

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Autodesk Docs://2023554 - SJSD School Projects (Blanding ES - MHS - ARL-MS - MCES - SJHYS24_2023554_SJSD MHS - Secure Vestibule.vt
2/16/2026 9:46:51 AM

KEYNOTES - DEMOLITION

- 01 MODIFY EXISTING WALL TO ACCEPT NEW STOREFRONT SYSTEM RE ENLARGED FLOOR PLAN
- 02 MODIFY EXISTING WALL FOR NEW OPENING RE ENLARGED FLOOR PLAN
- 03 DEMOLISH DOOR - PREP OPENING FOR WALL INFILL
- 04 DEMOLISH DOOR
- 05 DEMOLISH EXISTING CEILINGS, FLOORS & WALL FINISHES, CASEWORK, LIGHTING & DIFFUSERS TO RECEIVE NEW SYSTEMS - NOTE: ABOVE CEILING MEP TO REMAIN IN-PLACE FOR RECONFIGURATION WORK TO NEW CEILINGS
- 06 CONSTRUCTION BOUNDARY - NO WORK IN THIS AREA
- 07 RECONFIGURE DUCTING - USE EXISTING HVAC
- 08 DEMOLISH EXISTING WALL TO EXTENT REQ'D RE ENLARGED FLOOR PLAN
- 09 SALVAGE EXISTING CASEWORK TO EXTENT REQ'D - REINSTALL EXISTING CASEWORK AS NOTED, RE: ENLARGED FLOOR PLAN
- 10 REMOVE SWING-AWAY WINDOW DOOR - PREP OPENING FOR NEW WINDOW INFILL
- 11 REMOVE EXISTING TILE ON BENCH, TOE, WALL SURFACE AND CAP, LEAVE SUBSTRATE INTACT - F.V. - PREP FOR NEW TILE
- 12 DEMOLISH EXISTING CONCRETE STAIRS, GUARDRAILS, AND HANDRAILS
- 13 DEMOLISH EXISTING CONCRETE SLAB AT LANDING
- 14 REMOVE EXISTING FLOOR SLAB & PREP FOR NEW RECESSED FLOOR SLAB RE: NEW FLOOR PLAN FOR CUT LINE
C.O.
- 15 2HR WALL ASSEMBLY, SEE **A400** - FIRST FLOOR PLAN FOR NEW LOCATION
- 16 DEMOLISH DOOR, FRAME, AND HARDWARE, PREPARE FOR NEW MASONRY INFILL

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.

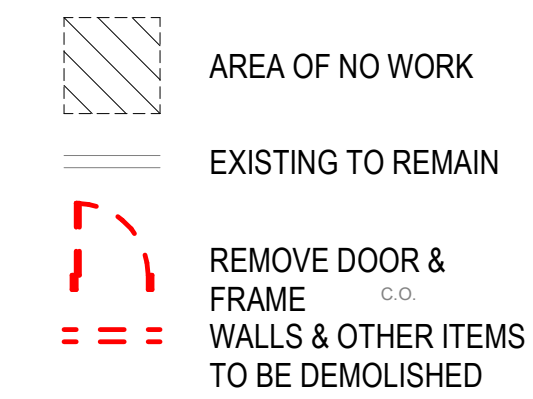
Salvage: Review with the owner, casework, furniture, equipment and wall mounted display surfaces left behind after owner move out, that are not shown on drawings. Identify as either salvage or to be disposed of by contractor.

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



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.

SAN JUAN SCHOOL DISTRICT
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SHEET NAME

PARTIAL FIRST
FLOOR
DEMOLITION
PLAN

SHEET NUMBER

AD400

RETURN TO INDEX

KEYNOTES - DEMOLITION

- 01 MODIFY EXISTING WALL TO ACCEPT NEW STOREFRONT SYSTEM RE ENLARGED FLOOR PLAN
- 02 MODIFY EXISTING WALL FOR NEW OPENING RE ENLARGED FLOOR PLAN
- 03 DEMOLISH DOOR - PREP OPENING FOR WALL INFILL
- 04 DEMOLISH DOOR
- 05 DEMOLISH EXISTING CEILINGS, FLOORS & WALL FINISHES, CASEWORK, LIGHTING & DIFFUSERS TO RECEIVE NEW SYSTEMS - NOTE: ABOVE CEILING MEP TO REMAIN IN-PLACE FOR RECONFIGURATION WORK TO NEW CEILINGS
- 06 CONSTRUCTION BOUNDRY - NO WORK IN THIS AREA
- 07 RECONFIGURE DUCTING - USE EXISTING HVAC
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- 15 2HR WALL ASSEMBLY, SEE A400 - FIRST FLOOR PLAN FOR NEW LOCATION
- 16 DEMOLISH DOOR, FRAME, AND HARDWARE; PREPARE FOR NEW MASONRY INFILL

LEGEND - DEMOLITION

- AREA OF NO WORK
- EXISTING TO REMAIN
- REMOVE DOOR & FRAME
- WALLS & OTHER ITEMS TO BE DEMOLISHED

KEYNOTES - DEMOLITION

- 01 MODIFY EXISTING WALL TO ACCEPT NEW STOREFRONT SYSTEM RE ENLARGED FLOOR PLAN
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LEGEND - DEMOLITION

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- EXISTING TO REMAIN
- REMOVE DOOR & FRAME
- WALLS & OTHER ITEMS 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.

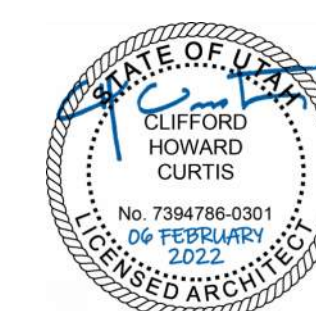
PARTIAL FIRST FLOOR DEMOLITION PLAN

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



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06 FEBRUARY 2026

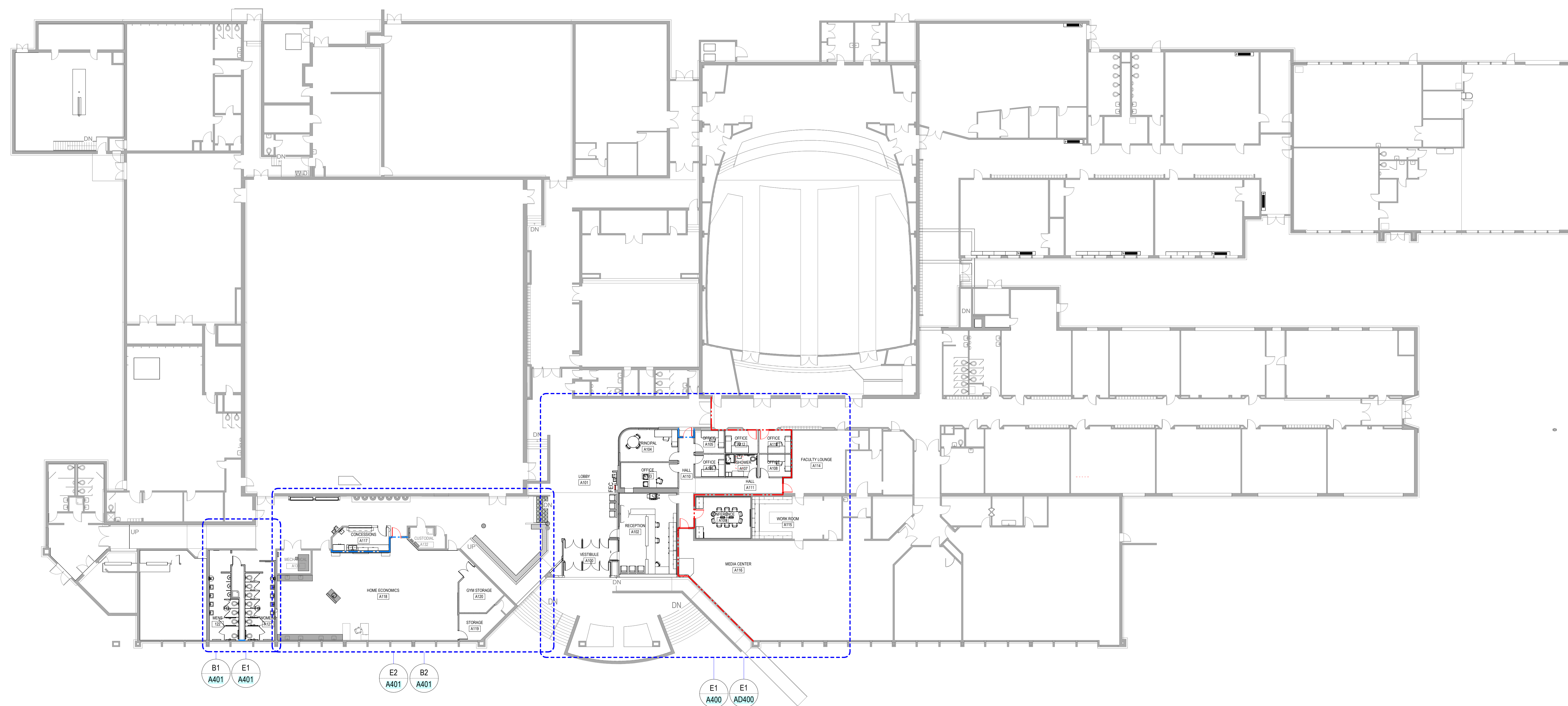
SHEET NAME

OVERALL FIRST
FLOOR
REFERENCE PLAN

SHEET NUMBER

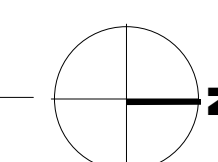
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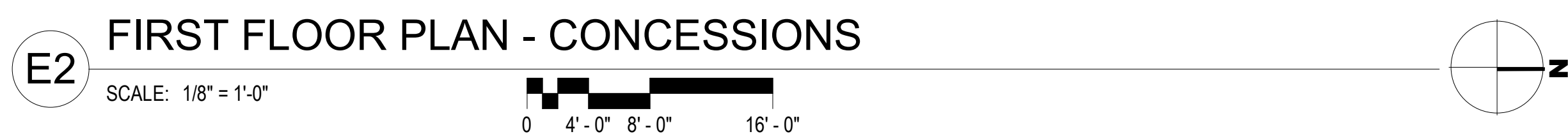
RETURN TO INDEX



OVERALL REFERENCE FLOOR PLAN

SCALE: 1/16" = 1'-0"





- 01 MODIFY EXISTING WALL TO ACCEPT NEW STOREFRONT SYSTEM RE ENLARGED FLOOR PLAN
- 02 MODIFY EXISTING WALL FOR NEW OPENING RE ENLARGED FLOOR PLAN
- 03 DEMOLISH DOOR - PREP OPENING FOR WALL INFILL
- 04 DEMOLISH DOOR
- 05 DEMOLISH EXISTING CEILINGS, FLOORS & WALL FINISHES, CASEWORK, LIGHTING & DIFFUSERS TO RECEIVE NEW SYSTEMS - NOTE: ABOVE CEILING MEP TO REMAIN IN-PLACE FOR RECONFIGURATION WORK TO NEW CEILINGS
- 06 CONSTRUCTION BOUNDARY - NO WORK IN THIS AREA
- 07 RECONFIGURE DUCTING - USE EXISTING HVAC
- 08 DEMOLISH EXISTING WALL TO EXTENT REQ'D RE ENLARGED FLOOR PLAN
- 09 SALVAGE EXISTING CASEWORK TO EXTENT REQ'D - REINSTALL EXISTING CASEWORK AS NOTED, RE- ENLARGED FLOOR PLAN
- 10 REMOVE SWING-AWAY WINDOW DOOR - PREP OPENING FOR NEW WINDOW INFILL
- 11 REMOVE EXISTING TILE ON BENCH, TOE, WALL, SURFACE, AND CAP. LEAVE SUBSTRATE INTACT - F.V. - PREP FOR NEW TILE
- 12 DEMOLISH EXISTING CONCRETE STAIRS, GUARDRAILS, AND HANDRAILS
- 13 DEMOLISH EXISTING CONCRETE SLAB AT LANDING
- 14 REMOVE EXISTING FLOOR SLAB & PREP FOR NEW RECESSED FLOOR SLAB RE: NEW FLOOR PLAN FOR CUT LINE
- 15 2HR WALL ASSEMBLY, SEE A400 - FIRST FLOOR PLAN FOR NEW LOCATION
- 16 DEMOLISH DOOR, FRAME, AND HARDWARE, PREPARE FOR NEW MASONRY INFILL

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.

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.

01 ALL NEW LIGHTING, DIFFUSERS, DOORS, CEILINGS, WALL & FLOOR
FINISHES, FIXTURES & CASEWORK IN AREAS OF NEW CONSTRUCTION
FURNITURE - NIC
02 EXISTING STOREFRONT SYSTEM W/ NEW INTRUSION FILM - PRIORITY 1
APPLIED TO GLAZING TO MULLION CLOSEST TO 7' AFF
03 EXISTING ALUM WINDOW SYSTEM W/ NEW INTRUSION FILM - PRIORITY 1
1 APPLIED TO GLAZING TO MULLION CLOSEST TO 7' AFF
05 RECONFIGURE DUCTING - USE EXISTING HVAC RE: MECHANICAL
CONSTRUCTION BOUNDARY - NO WORK IN THIS AREA
06 INFILL EXISTING OPENING W/ NEW WALL PER PLAN - MATCH EXISTING
NEW TILE ON BENCH AND WALL
12 EXISTING COLUMNS TO REMAIN
13 INFILL NEW CONCRETE FLOOR TO EL: 100 HT - F.V. RE: STRUCTURAL
14 INFILL EXISTING OPENING WITH LIKE MATERIALS - MATCH EXTERIOR
FINISHES AND PAINT INTERIOR WALL TO MATCH
15 FLEXIBLE TILE CONTROL JOINT
16 2" RECESSED CONCRETE SLAB - THICKSET TILE
17 SLOPE TO DRAIN

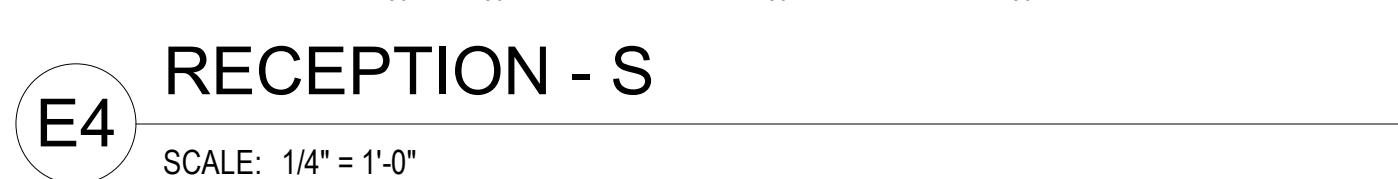
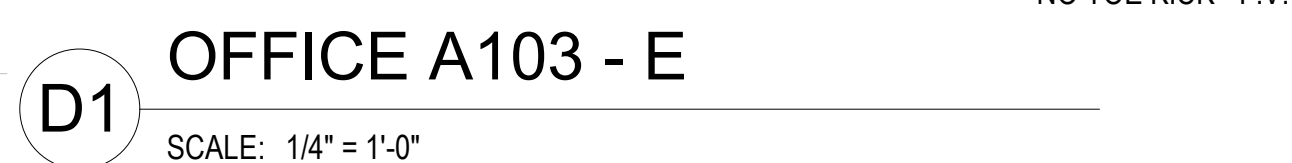
	TOILET TISSUE DISPENSER
	HAND DRYER
	FRAMED MIRROR
	SOAP DISPENSER
	PAPER TOWEL DISPENSER
	PAPER TOWEL / WASTE RECEPTACLE
	SANITARY NAPKIN VENDING UNIT - OFCI
	SANITARY NAPKIN DISPOSAL UNIT - MATCH EXISTING
	SEAT COVER DISPENSER
	WASTE RECEPTACLE
	WALL MOUNTED SHELF
	ROBE HOOK
	WALL MOUNTED WATER CLOSET
	FLOOR MOUNTED WATER CLOSET
	WALL HUNG URINAL
	WALL HUNG LAVATORY
	FLOOR DRAIN
	MOP & BROOM HOLDER
	CHANGING TABLE
	DIAPER CHANGING TABLE

Interior Wall Height: All walls are continuous from floor to roof or floor deck above, UNO

Corner Guards: Stainless steel corner guards to be installed at all outside corners - Typical

	FIRE EXTINGUISHER + CABINET SURFACE MOUNTED
	FIRE EXTINGUISHER + CABINET SEMI-RECESSED
	FIRE EXTINGUISHER
	AUTOMATED EXTERNAL DEFIBRILLATOR
	CORNER GUARD
	WALL MOUNTED TOILET RE: PLUMBING
	FLOOR MOUNTED TOILET RE: PLUMBING
	URINAL RE: PLUMBING
	WALL HUNG LAVATORY RE: PLUMBING
	COUNTER MOUNTED SINK RE: PLUMBING
	ELECTRICAL WATER COOLER RE: PLUMBING
	MOP SINK RE: PLUMBING
	HAND DRYER RE: ELECTRICAL

NOTE: PROVIDE ITEMS INDICATED IN THE LEGEND
IN THE QUANTITIES SHOWN ON THE PLAN.



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 board and similar items.

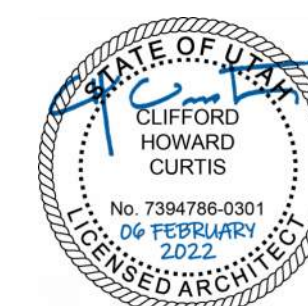
Finishes: Finishes are required on all exposed and semi-exposed surfaces, UNO. Wall elevations are not shown for walls where the Finish Schedule is deemed adequate to convey the intent.

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.

	PAINTED GYPSUM BOARD		TACK BOARD
	GLAZING/SCHEDULED WINDOW SYSTEM		TV MONITOR; SEE ELECTRICAL
	TACKABLE WALL SURFACE		WHITE BOARD

1 ST. STL. COUNTER TOP W/ HEAVY DUTY WALL SUPPORTS
2 FELT TACK
3 T1A



	CARPET - CPT1		RESILIENT TILE - RES1
	PORCELAIN MOSAIC TILE		RESILIENT TILE - RES2
	PORCELAIN TILE - 24"		RESILIENT TILE - RES3
	CARPET - WALK-OFF - CPT2		RUBBER TREAD - RF1

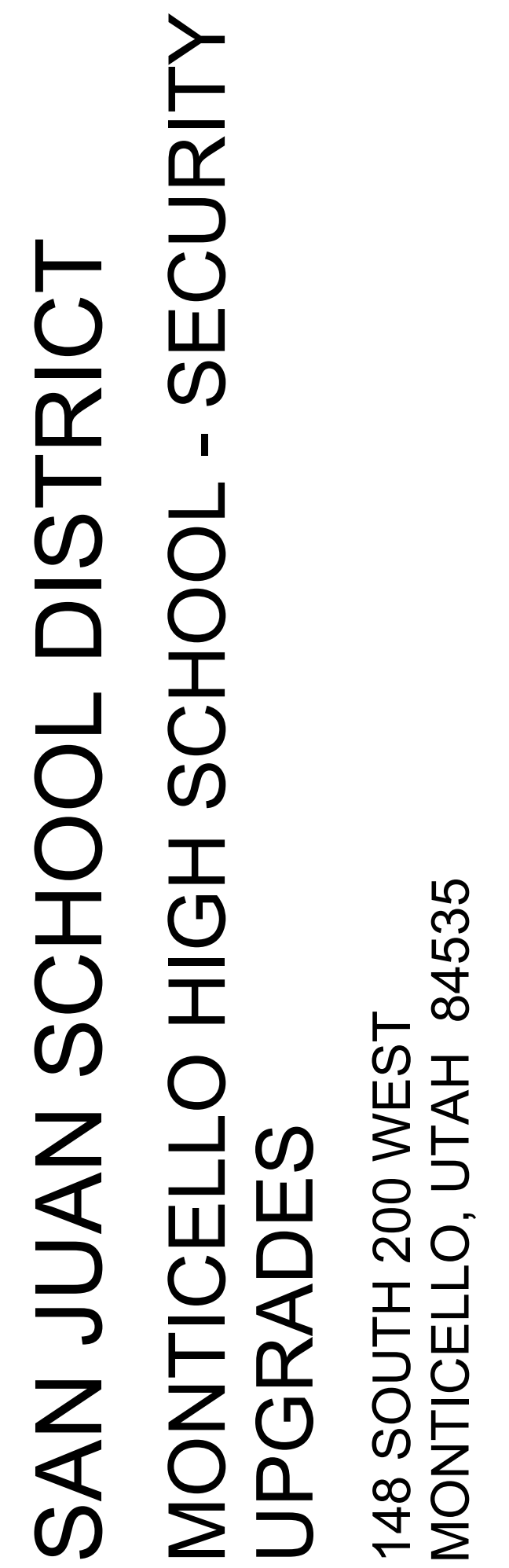
RE: **A640** for the Finish Schedule

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.

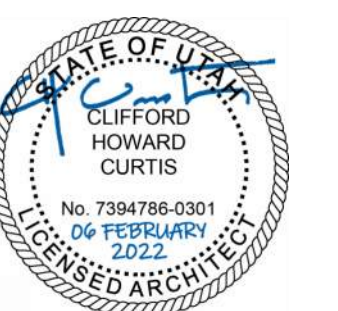
Floor Drains: Coordinate location of floor drains with Plumbing drawings.



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SCAI



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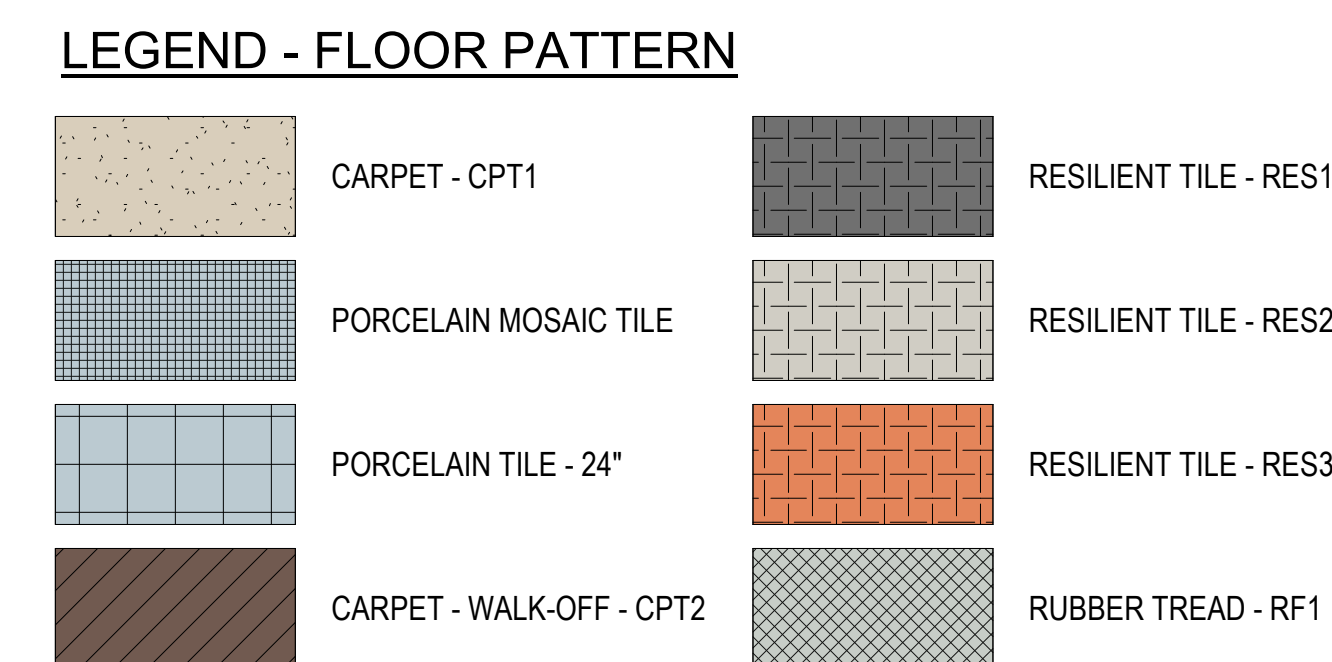
FIRST FLOOR
PATTERN PLAN

SHEET NUMBER _____

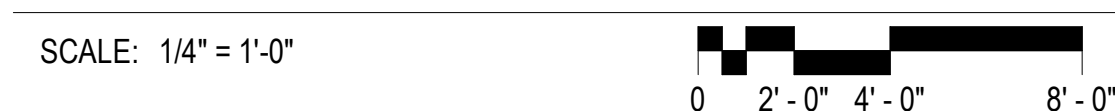
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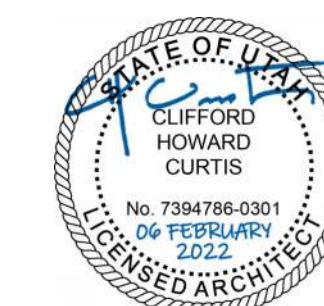
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FIRST FLOOR

FIRST FLOOR PATTERN PLANS

PATTERN PLANS

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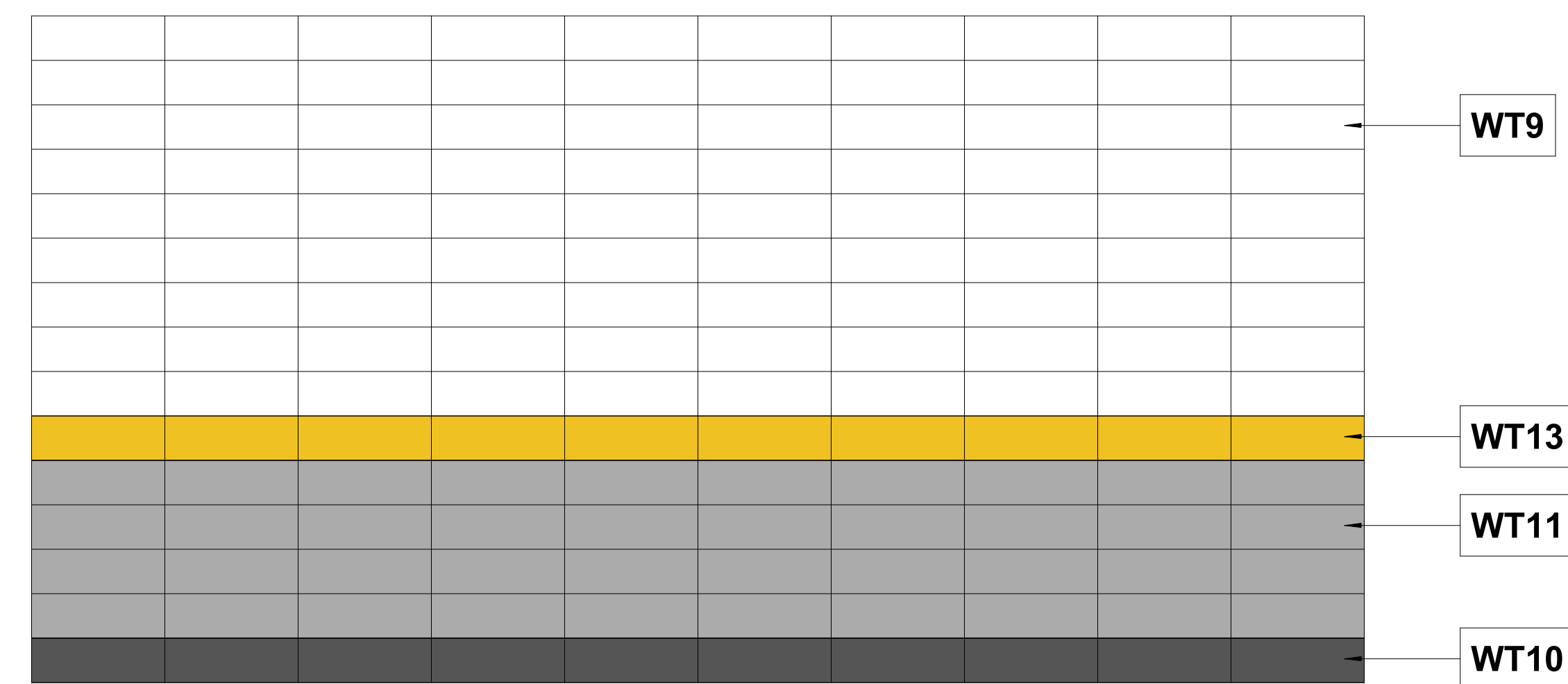
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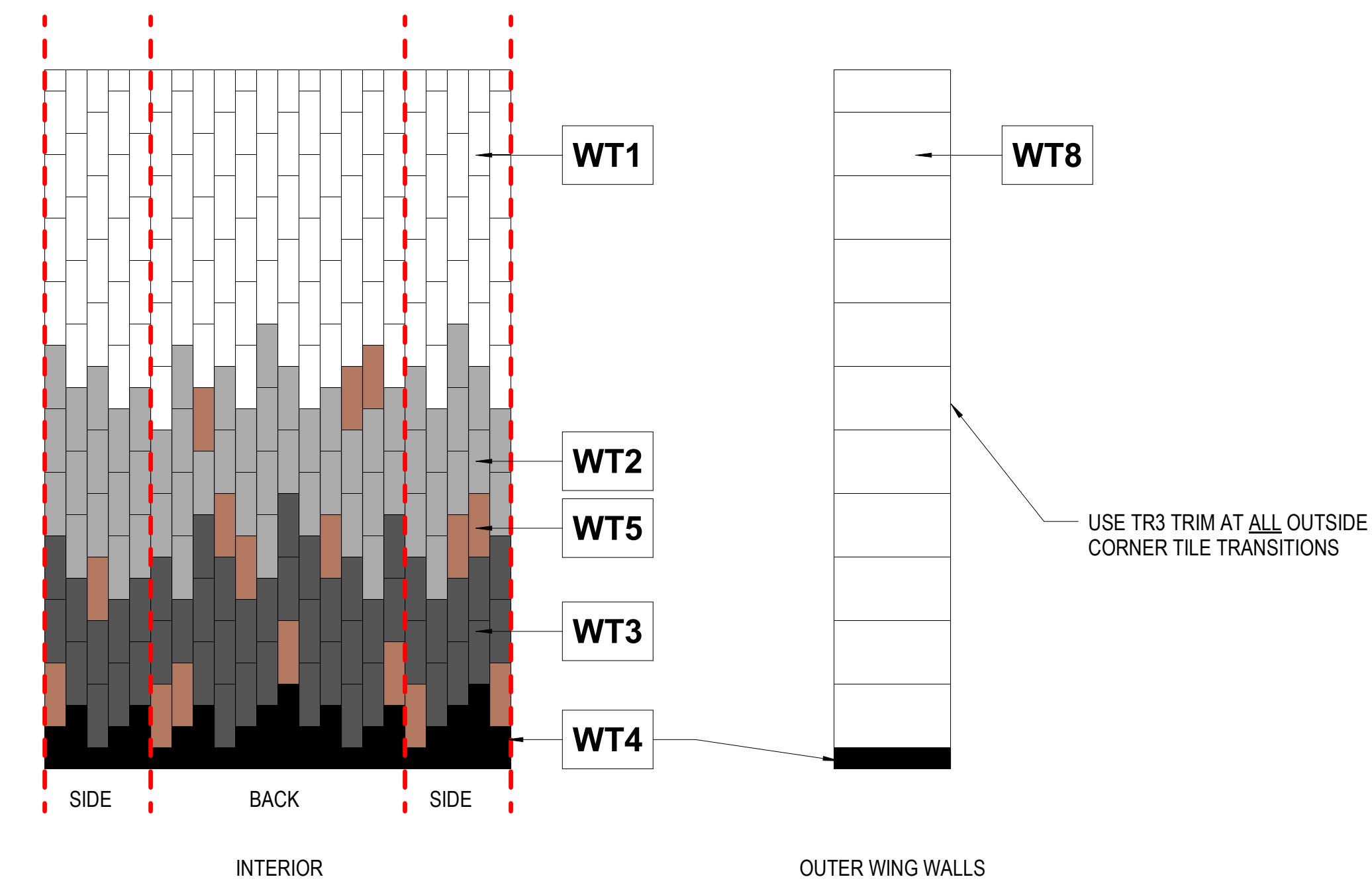
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[RETURN TO INDEX](#)



A2 TILE - RESTROOM WOMEN

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



63 TILE @ DRINKING FOUNTAIN

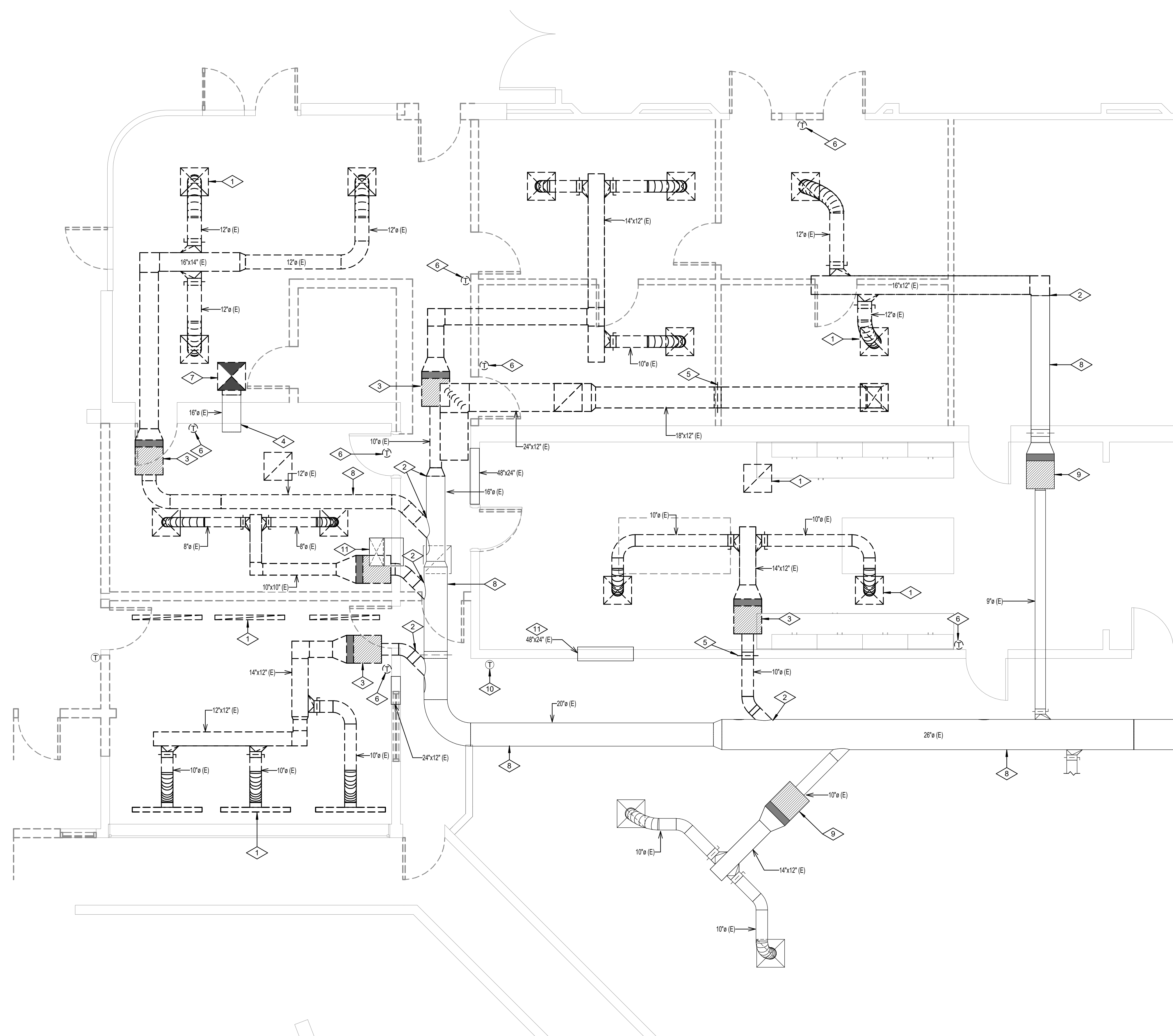
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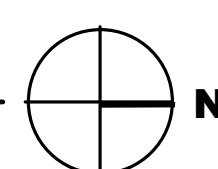
C3 TILE @ DRINKING FOUNTAIN
SCALE: 1/2" = 1'-0"

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

- 1 REMOVE GRILLE & DIFFUSER.
- 2 REMOVE DUCTWORK BACK TO APPROXIMATELY THIS LOCATION. COORDINATE WITH NEW WORK.
- 3 REMOVE EXISTING VAV RE-HEAT BOX, AND RELATED CONTROLS.
- 4 EXISTING DUCT PENETRATION THRU WALL TO REMAIN.
- 5 REMOVE FIRE DAMPER COMPLETE.
- 6 REMOVE THERMOSTAT & RELATED WIRING.
- 7 CAP EVAP COOLER DUCTWORK WATER-TIGHT BELOW ROOF.
- 8 EXISTING DUCT SYSTEM TO REMAIN (TYP).
- 9 EXISTING VAV RE-HEAT BOX & RELATED CONTROLS TO REMAIN.
- 10 EXISTING THERMOSTAT TO REMAIN.
- 11 EXISTING TRANSFER AIR TO REMAIN.



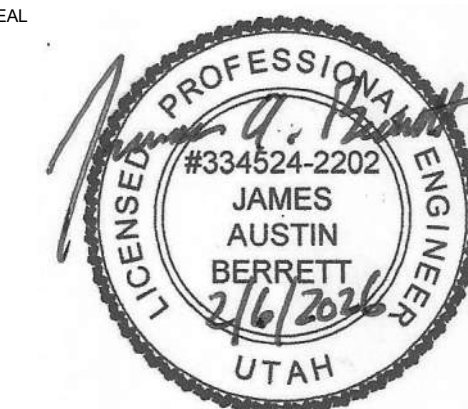
0 2'-0" 4'-0" 8'-0"
SCALE: 1/4" = 1'-0"



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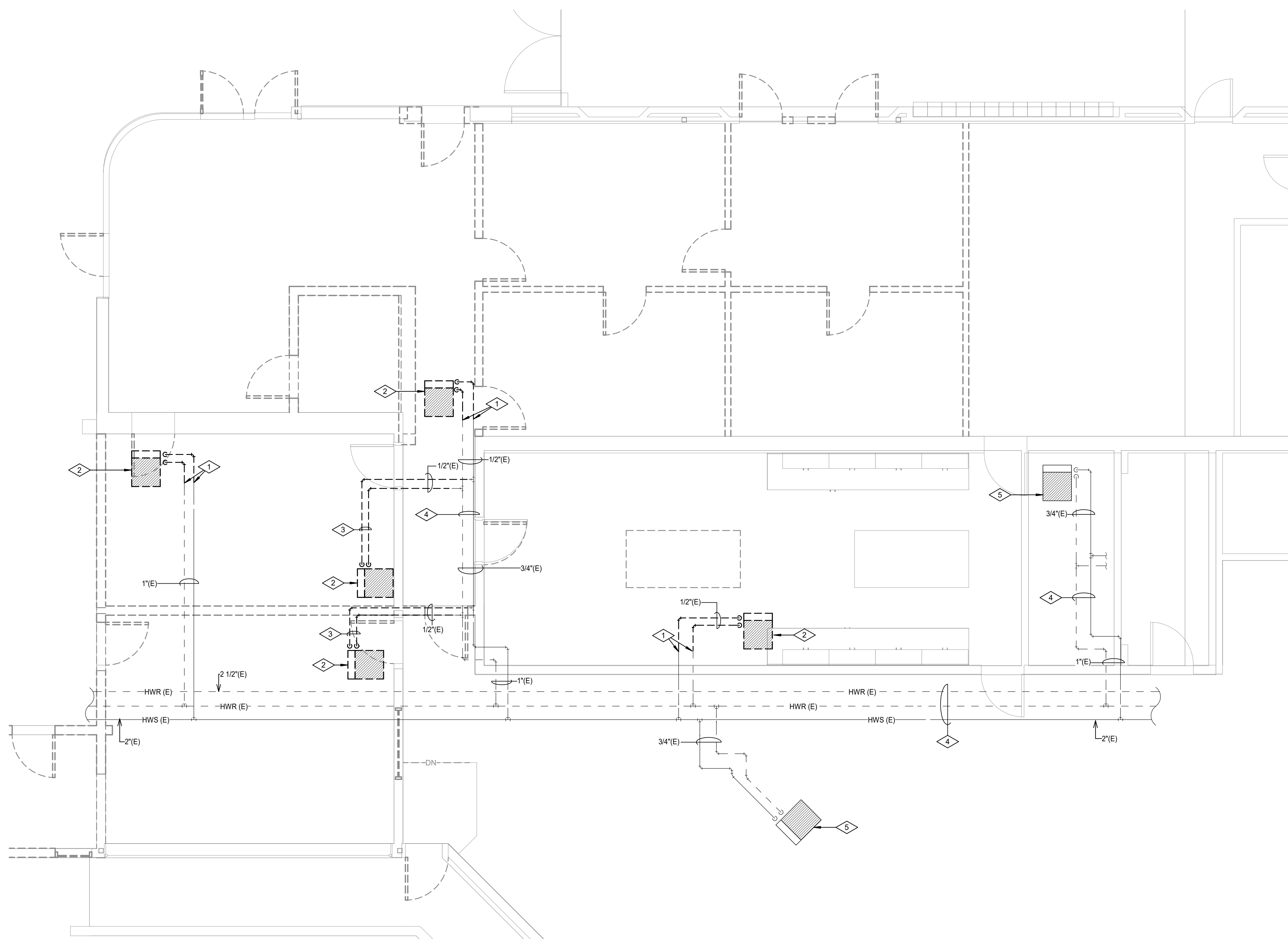
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MECHANICAL
DEMO PLAN

SHEET NUMBER

MD101

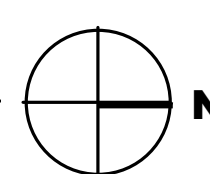
RETURN TO INDEX

- 1 REMOVE PIPING & INSULATION BACK TO APPROXIMATELY THIS LOCATION.
- 2 REMOVE EXISTING VAV BOX AND CONTROLS COMPLETE.
- 3 REMOVE PIPING BACK TO MAIN AND CAP. REPAIR PIPE INSULATION.
- 4 EXISTING PIPING TO REMAIN.
- 5 EXISTING VAV TO REMAIN.



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

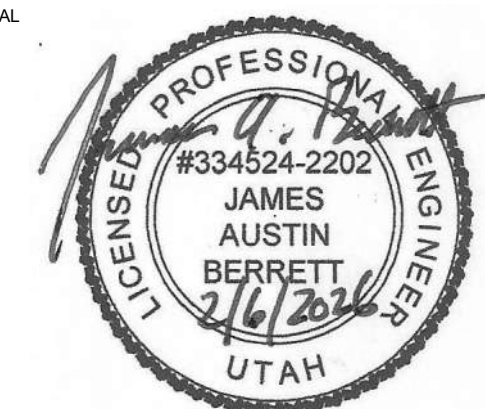
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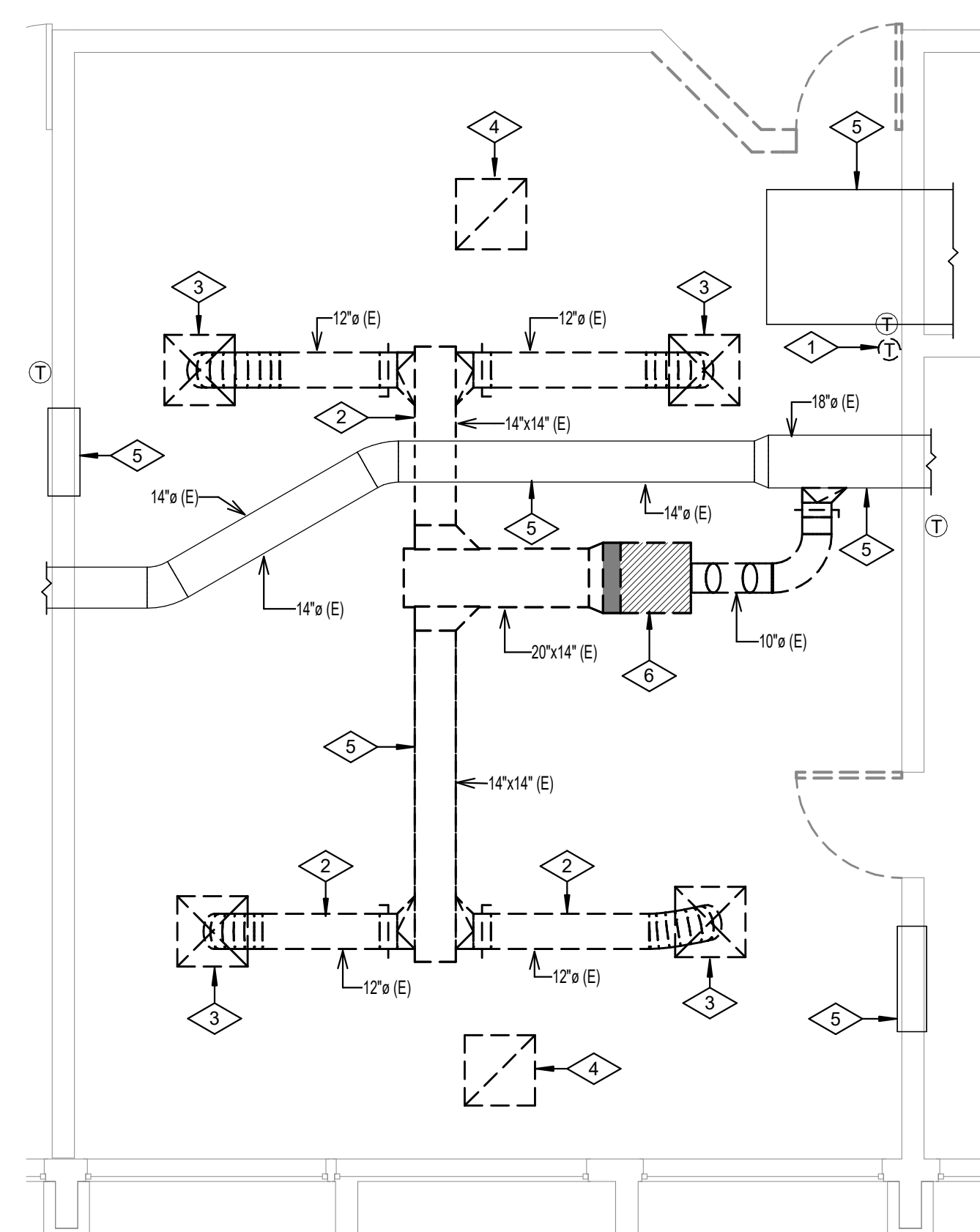
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MECHANICAL
PIPING DEMO
PLAN

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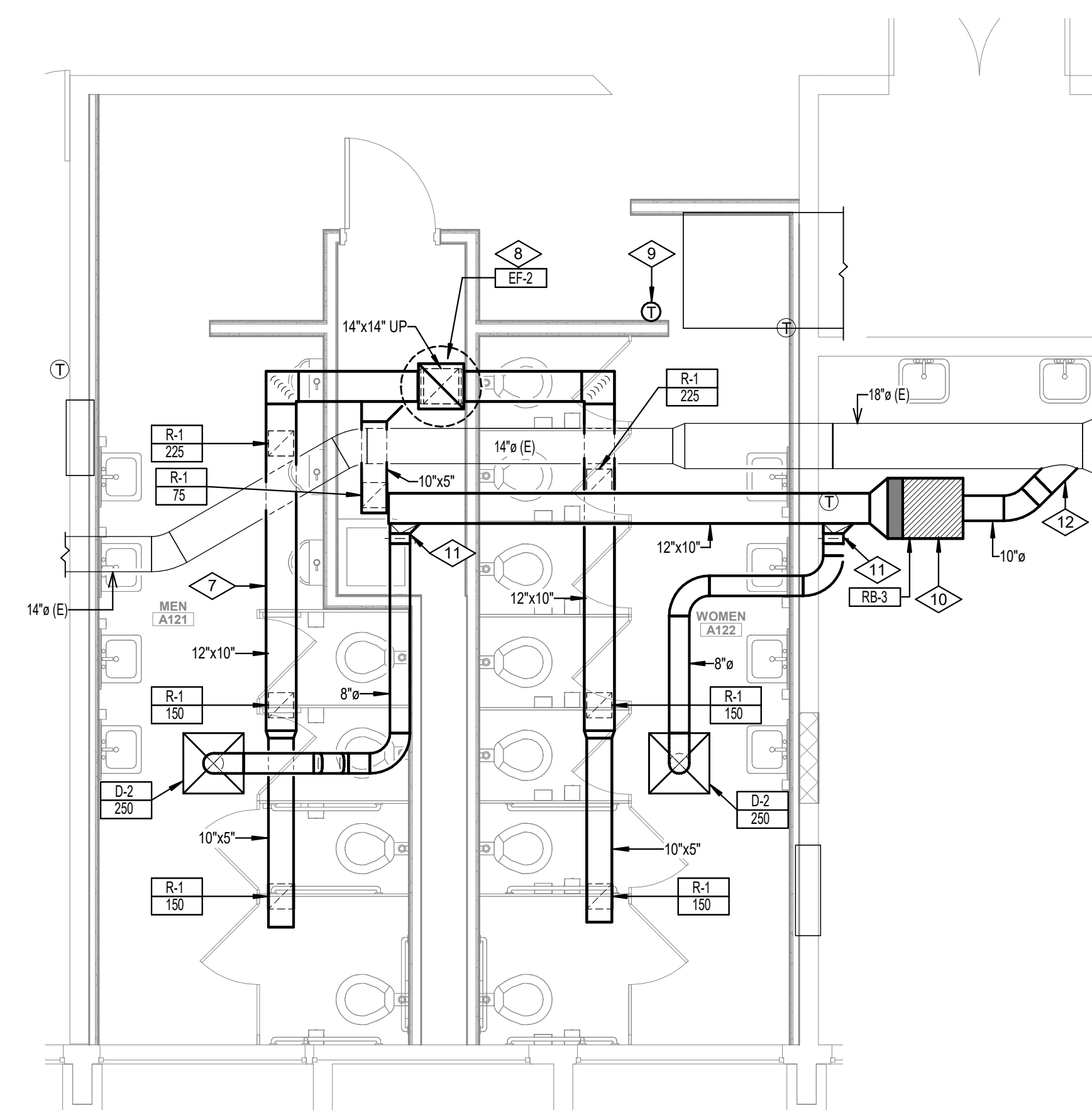
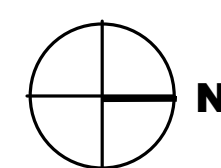
MPD101

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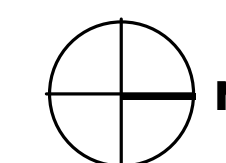
- 1 REMOVE EXISTING THERMOSTAT.
- 2 REMOVE DUCTWORK BACK TO POINT SHOWN.
- 3 REMOVE DIFFUSER.
- 4 REMOVE GRILLE.
- 5 EXISTING DUCTWORK TO REMAIN.
- 6 REMOVE EXISTING VAV. LEAVE HOT WATER PIPING FOR CONNECTION TO NEW UNIT IN FOODS CLASSROOM TO THE NORTH.
- 7 NEW DUCTWORK. DUCTWORK TO RUN ABOVE CEILING.
- 8 NEW PENETRATION THROUGH ROOF FOR EXHAUST FAN. FAN TO BE AT LEAST 1" FROM ALL MECHANICAL AIR INTAKES. SEE DETAIL 11M02.
- 9 NEW WALL MOUNTED THERMOSTAT TO BE 4'-0" AFF.
- 10 REROUTE MECHANICAL PIPING FROM OLD VAV TO THIS UNIT.
- 11 HIGH EFFICIENCY TAKE OFF (HETO).
- 12 CONNECT TO EXISTING AT APPROXIMATELY THIS LOCATION.



0 2'-0" 4'-0" 8'-0"
SCALE: 1/4" = 1'-0"



0 2'-0" 4'-0" 8'-0"
SCALE: 1/4" = 1'-0"

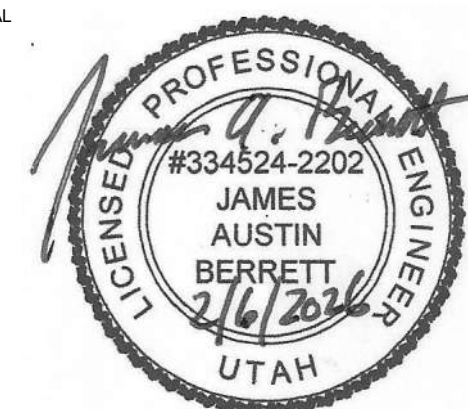


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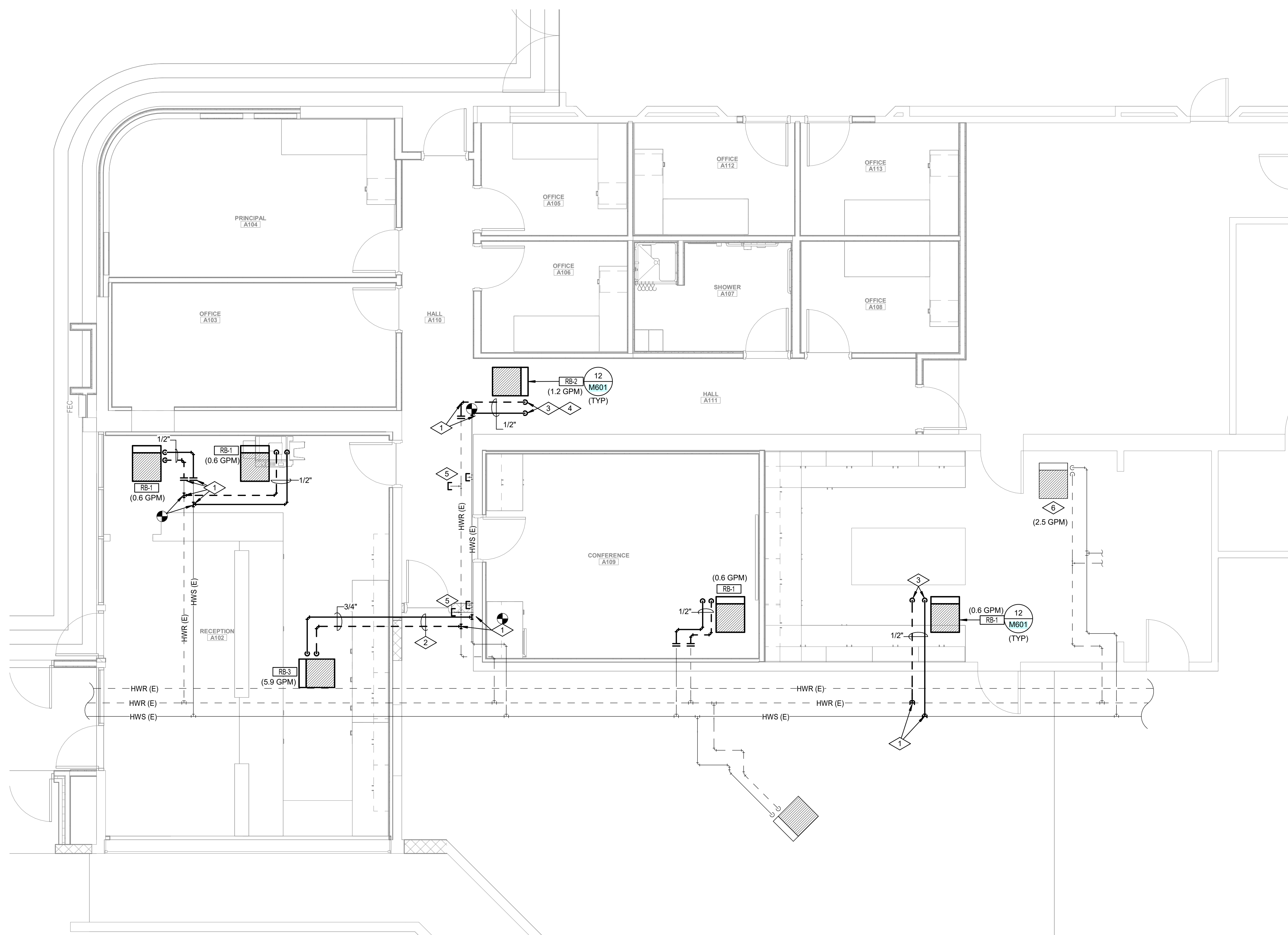
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MECHANICAL PLAN
ALT 1

SHEET NUMBER

M103

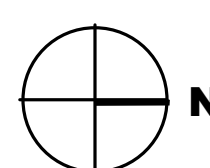
RETURN TO INDEX

- 1 CONNECT TO EXISTING PIPING AT APPROXIMATELY THIS LOCATION. REPAIR INSULATION AT TIE-IN.
- 2 PIPING TO RUN ABOVE CEILING (TYP).
- 3 PIPING TO SERVE VAV RE-HEAT BOX (TYP).
- 4 PROVIDE 3-WAY VALVE.
- 5 CAP PIPING AT MAIN. REPAIR PIPE INSULATION.
- 6 EXISTING VAV REHEAT BOX. REBALANCE HW TO GPM SHOWN.



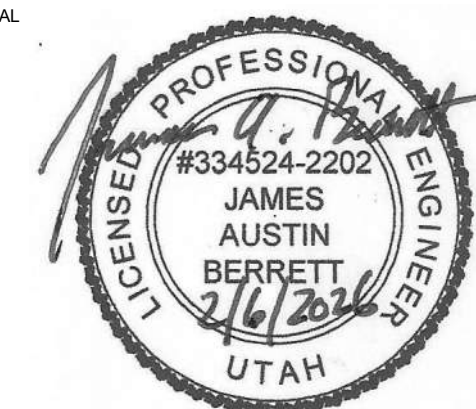
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PIPING PLAN

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MECHANICAL LEGEND

HEATING HOT WATER SUPPLY PIPING	HWS
HEATING HOT WATER RETURN PIPING	HWR
BALL VALVE	
CALIBRATED BALANCING VALVE	
PIPING DROP	
PIPING RISE	

EXHAUST FAN SCHEDULE

SYMBOL	LOCATION	TYPE	C.F.M	E.S.P.	SONES	MOTOR	DRIVE	WEIGHT LBS.	MAKE & MODEL	
EF-1	RR A112	CEILING	100	25"	1.3	1/16 HP 115/160	DIRECT	23	TWIN CITY T-150V	(1)
EF-2	RR A112	ROOF	1125	.5"	10.8	3/4 HP 115/160	DIRECT	67	TWIN CITY DCRD 140BE	(2)

NOTES:

- (1) CEILING MOUNTED EXHAUST FANS TO BE COMPLETE WITH SIGHT TIGHT BAR-TYPE CEILING ALUMINUM GRILLE, BACKDRAFT DAMPERS AND FLEXIBLE CONNECTION ON DISCHARGE DUCT.
- (2) FACTORY MOUNTED SPEED CONTROL, 14" ROOF CURB, BACKDRAFT DAMPER, AND DISCONNECT.

VAV REHEAT BOX SCHEDULE

SYMBOL	MAX CFM RANGE	MIN. CFM	INLET SIZE	A.P.D.	HEAT. CFM	RE-HEAT COIL (2)				MAKE & MODEL	
						MBH	GPM	ROWS	W.P.D.		COIL SIZE
RB-1	250-400	100	6" DIA.	.33"	100	6.0	.6	2	.06 FT.	12" x 8"	TITUS DESV
RB-2	400-600	200	8" DIA.	.39"	200	12.0	1.2	2	.21 FT.	12" x 10"	TITUS DESV
RB-3	850-1150	800	10" DIA.	.44"	1000	59.4	5.9	2	1.9 FT.	14" x 12 1/2"	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. COORDINATE WITH INSTALLING CONTRACTOR.
- (2) CAPACITIES BASED ON 55 DEG.F. ENTERING AIR TEMP., 180 DEG.F. ENTERING WATER TEMP WITH 20 DEG.F. WATER TEMP. DROP.
- (3) COORDINATE CONTROL MOUNTING WITH ATC CONTRACTOR.

DIFFUSER SCHEDULE

SYMBOL	TYPE	NECK SIZE	LOCATION	AIR PATTERN	MAKE & MODEL	(1)
D-1 CFM	PERFORATED FACE	6" DIA	CEILING	4 - WAY	PRICE PFD	(2)
D-2 CFM	PERFORATED FACE	8" DIA	CEILING	4 - WAY	PRICE PFD	(2)
D-3 CFM	PERFORATED FACE	10" DIA	CEILING	4 - WAY	PRICE PFD	(2)

NOTES:

- (1) COLOR SHALL BE BRIGHT WHITE.
- (2) PROVIDE FRAME FOR MOUNTING IN GYP-BOARD CEILING.
- (3) PROVIDE OPPOSED BLADE DAMPER IN NECK.

GRILLE SCHEDULE

SYMBOL	SIZE	LOCATION	TYPE	MAKE & MODEL
G-1	24" x 24"	CEILING	RETURN AIR	PRICE 530 (1)(2)
G-2	24" x 12"	CEILING	RETURN AIR	PRICE 530 (1)(2)

NOTES:

- (1) GRILLE SHALL HAVE BRIGHT WHITE FINISH.
- (2) GRILLE SHALL FIT IN T-BAR CEILING.

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MECHANICAL SCHEDULES

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MHTN PROJECT NO. 2023554.01

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

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ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

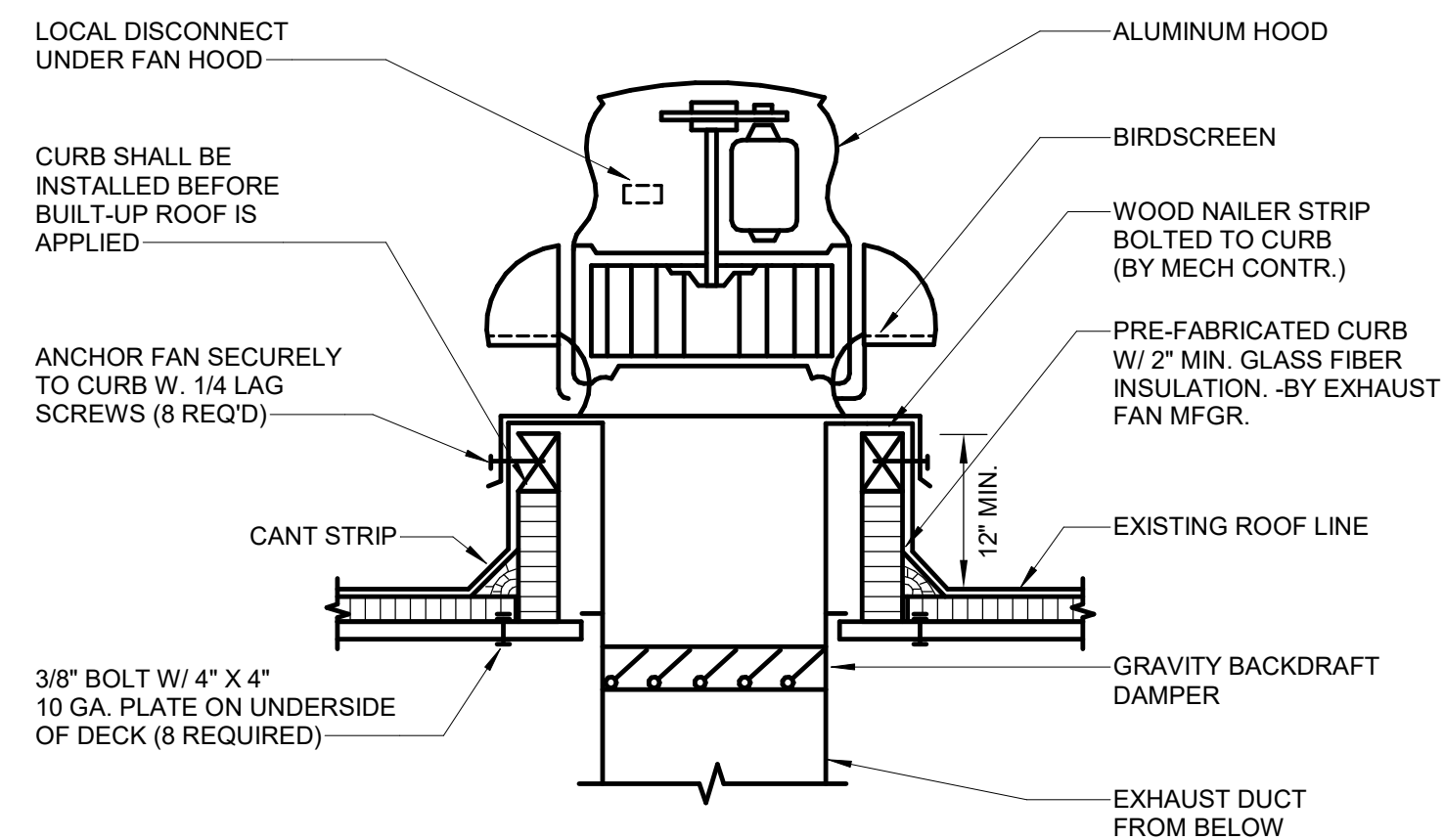
SHEET NAME
MECHANICAL
DETAILS

SHEET NUMBER _____

M601

RETURN TO INDEX





ROOF MOUNTED EXHAUST FAN DETAIL

SCALE: NTS

1
M602

SAN JUAN SCHOOL DISTRICT
MONTICELLO HIGH SCHOOL - SECURITY
UPGRADES

148 SOUTH 200 WEST
MONTICELLO, UTAH 84535

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06 FEBRUARY 2026

SHEET NAME

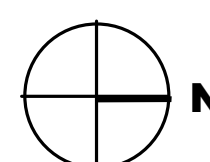
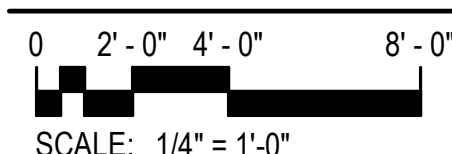
MECHANICAL DETAILS

SHEET NUMBER

M602

RETURN TO INDEX

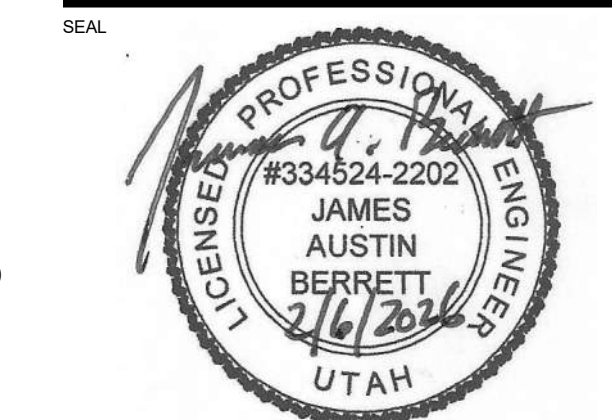
- 1 CONNECT TO EXISTING PIPING AT APPROXIMATELY THIS
LOCATION. REPAIR PIPE INSULATION AT TIE-IN.
- 2 WALL CLEANOUT (WCO). SEE DETAIL 1P601.
- 3 PIPING TO RUN ABOVE CEILING. COORDINATE WITH
EXISTING CONDITIONS.
- 4 CONNECT NEW DRINKING FOUNTAIN TO EXISTING WATER
SUPPLY, VENT, AND WASTE.
- 5 PROVIDE NEW LINE SIZE BALL VALVE (TYP). VALVE TO BE
ACCESSIBLE.
- 6 PROVIDE CIRCUIT SETTER ON HOT-RECIRCULATING LINE.
BALANCE TO GPM SHOWN.
- 7 PROVIDE CIRCUIT SETTER IN EXISTING HOT WATER
RECIRC LINE.
- 8 APPROXIMATE LOCATION OF WATER PIPING ABOVE
CEILING (TYP).
- 9 APPROXIMATE LOCATION OF EXISTING SANITARY
SEWER.
- 10 PIPING TO RUN BELOW FINISHED FLOOR.



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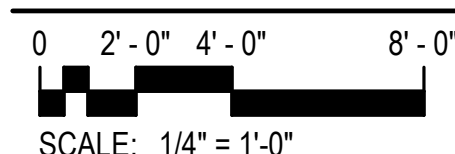
SHEET NAME
ENLARGED OFFICE
PLUMBING PLAN

SHEET NUMBER

P101

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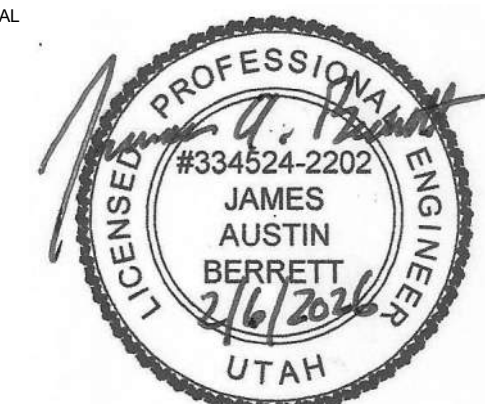
- 1 PIPING TO RUN ABOVE CEILING. COORDINATE WITH ALL TRADES.
- 2 CONNECT TO EXISTING AT APPROXIMATELY THIS LOCATION. REPAIR INSULATION AT TIE IN.
- 3 WALL CLEAN OUT (WCO). SEE DETAIL 1/P601.
- 4 VENT THRU ROOF (VTR). SEE DETAIL 2/P601.
- 5 CONNECT TO EXISTING WASTE PIPING FROM EXISTING DRINKING FOUNTAIN. REPAIR WALL, AS NECESSARY.



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GUEST NAME

E ENLARGED
PLUMBING PLAN
CONCESSIONS

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P102

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- RETURN TO INDEX**

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SHEET NAME

PLUMBING SCHEDULES AND DETAILS

SHEET NUMBER

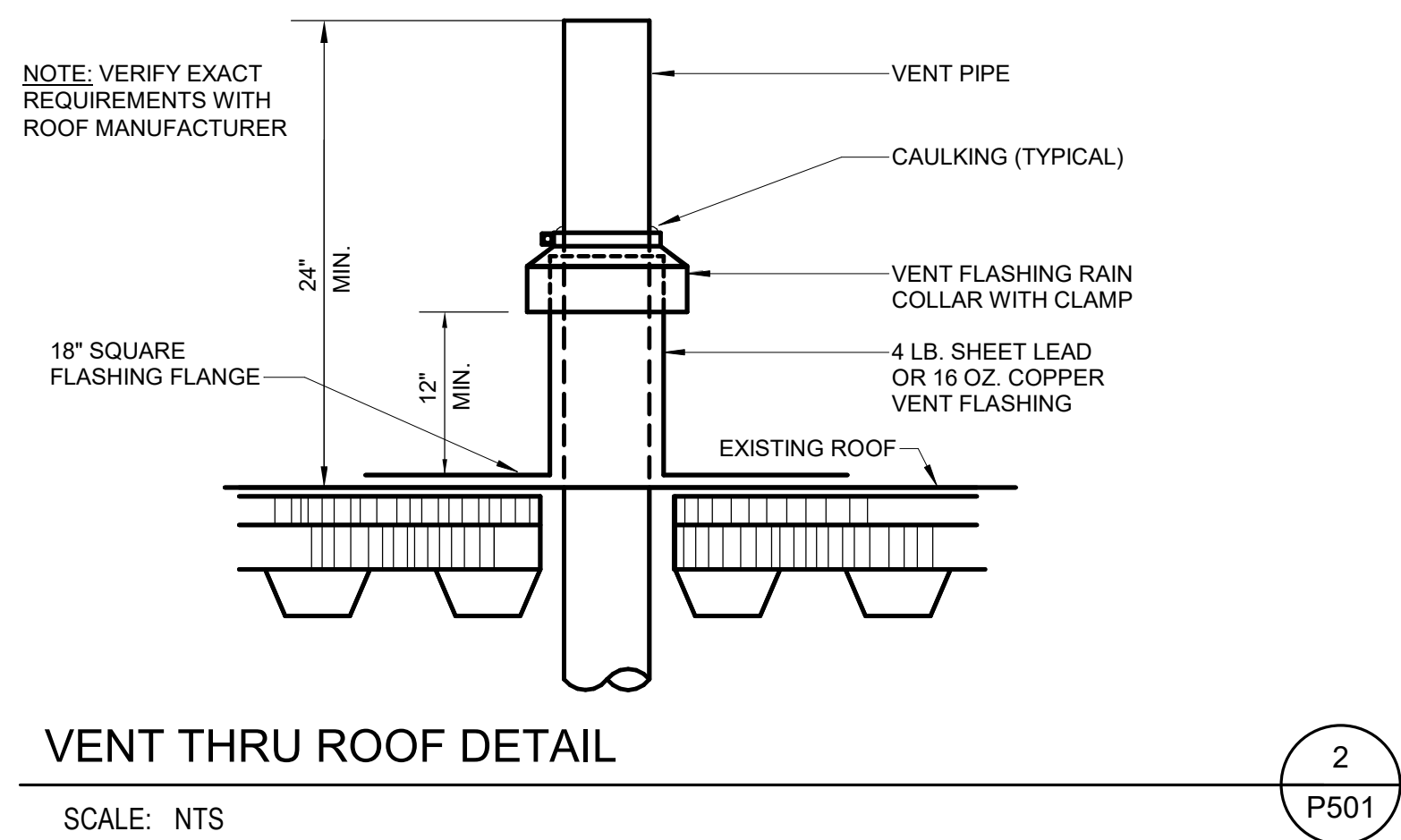
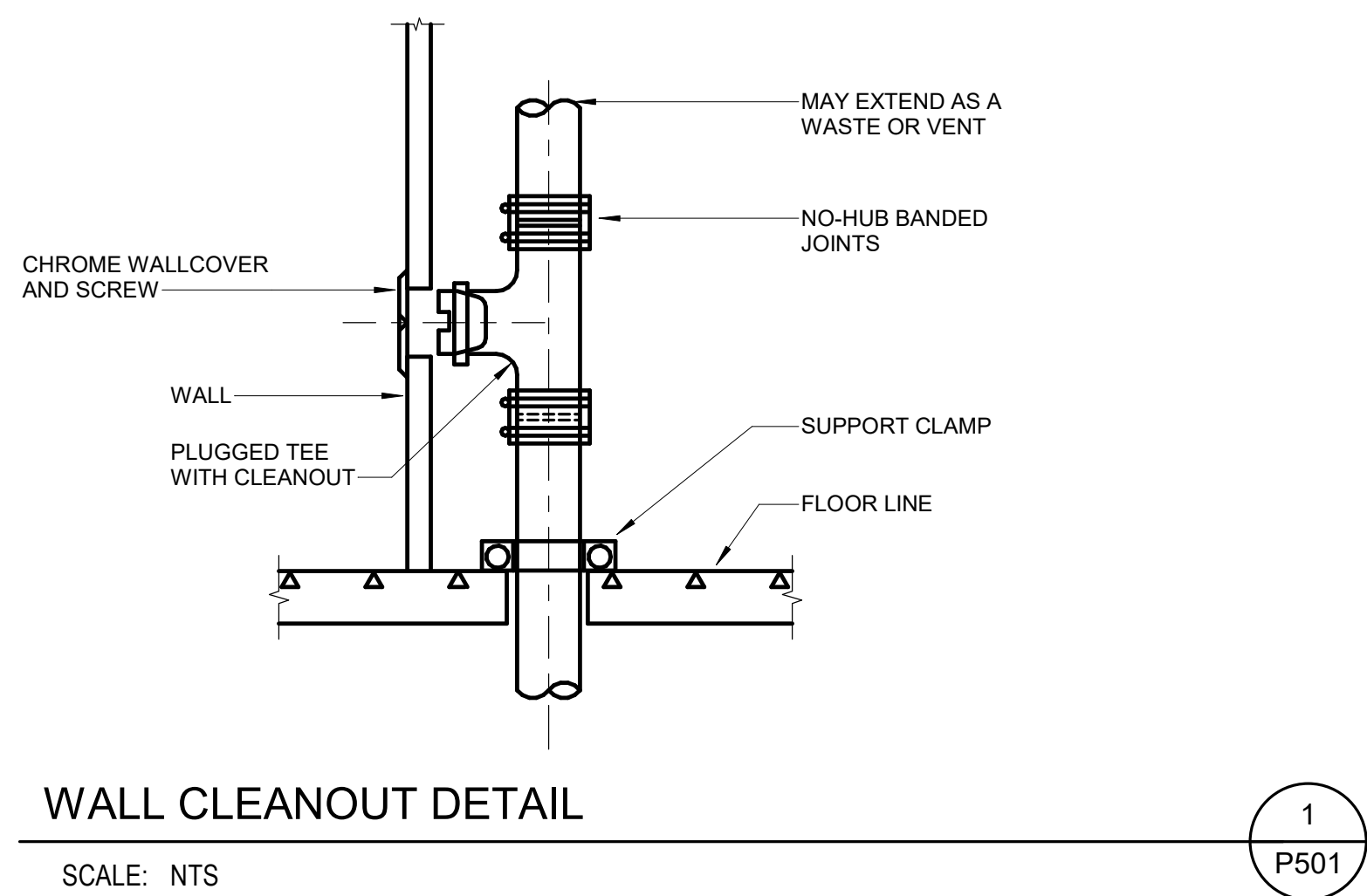
P501

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PLUMBING FIXTURE SCHEDULE						
SYMBOL	FIXTURE	WASTE	VENT	C.W.	H.W.	NOTES (1)
	WATER CLOSET	4"	2"	1"	--	FLOOR MOUNTED - MANUAL FLUSH VALVE (ADA)
	WATER CLOSET (ALT 1)	4"	2"	1"	--	WALL MOUNTED - MANUAL FLUSH VALVE
	WATER CLOSET (ALT 1)	4"	2"	1"	--	WALL MOUNTED - MANUAL FLUSH VALVE (ADA)
	URINAL (ALT 1)	3"	2"	1"	--	WALL MOUNTED - SENSOR FLUSH VALVE
	URINAL (ALT 1)	3"	2"	1"	--	WALL MOUNTED - SENSOR FLUSH VALVE (ADA)
	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	WALL MOUNTED - (ADA) WASSE TV-1
	LAVATORY (ALT 1)	1-1/2"	1-1/2"	1/2"	1/2"	WALL MOUNTED - (ADA) WASSE TV-1
	SINK	1-1/2"	1-1/2"	1/2"	1/2"	COUNTER MOUNTED - 2 COMPARTMENT
	SHOWER	--	--	1/2"	1/2"	(ADA)
	DRINKING FOUNTAIN	1-1/2"	1-1/2"	1/2"	--	WALL MOUNTED - BILEVEL WITH BOTTLE FILLER ON LOW SIDE 120/160.
	SERVICE SINK (ALT 1)	3"	2"	3/4"	3/4"	--
	HOSE BIBB	--	--	3/4"	--	INTERIOR WALL BOX (TOILET ROOMS)
	HOSE BIBB (ALT 1)	--	--	3/4"	--	INTERIOR WALL BOX (TOILET ROOMS)
	SHOWER DRAIN	2"	1 1/2"	--	--	WITH DEEP SEAL P-TRAP AND ASSE TRAP GUARD
	FLOOR DRAIN	2"	1-1/2"	--	--	WIDEEP SEAL TRAP AND ASSE TRAP GUARD
	FLOOR DRAIN (ALT 1)	2"	1-1/2"	--	--	WIDEEP SEAL TRAP AND ASSE TRAP GUARD

NOTES:
(1) CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL PLUMBING FIXTURES WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN OR INSTALLATION.

DESCRIPTION	SYMBOL
COLD WATER (CW)	
HOT WATER (HW)	
HOT WATER RE-CIRC (HWR)	
VENT	
WASTE PIPING	
BALL VALVE	
CALIBRATED BALANCING VALVE	
PIPING DROP	
PIPING RISE	



LIGHTING SYMBOLS			
1. LIGHT FIXTURE SYMBOLS ARE GENERAL IN NATURE AND MAY BE SHOWN ON THE DRAWINGS IN VARIOUS SIZES AND SHAPES. REFER TO THE LIGHT FIXTURE SCHEDULE FOR SPECIFICATION INFORMATION.			
2. ARROWS INDICATE AIMING DIRECTION.			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	LIGHT FIXTURES	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED LINEAR LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	LINEAR WALL WASHER	AS SPECIFIED OR DETAILED	
	RECESSED DOWNLIGHT	AS SPECIFIED OR DETAILED	
	RECESSED WALL-WASHER OR DIRECTIONAL DOWNLIGHT	AS SPECIFIED OR DETAILED	
	SURFACE OR PENDANT-MOUNTED LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	TRACK OR MONO-POINT LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	WALL SCONCE	AS SPECIFIED OR DETAILED	
	LINEAR PENDANT LIGHT FIXTURE	CEILING	
	EGRESS LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IS AN EXAMPLE OF AN EGRESS LIGHT FIXTURE. EGRESS LIGHT FIXTURES ARE HALF-SHADED DIAGONALLY.
	EMERGENCY (NON-EGRESS) LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IS AN EXAMPLE OF AN EMERGENCY (NON-EGRESS) LIGHT FIXTURE. EMERGENCY FIXTURES ARE FULLY-SHADED.
	CEILING MOUNTED EXIT SIGN	CEILING	DARKENED PORTION OF SIGN INDICATES FACE(S); ARROW(S) INDICATE ONE/SEVERAL DIRECTION(S)
	WALL-MOUNTED EXIT SIGN	WALL ABOVE DOOR	
	WALL-MOUNTED EXIT SIGN W/ EMERGENCY LIGHT FIXTURE	WALL ABOVE DOOR	
	CEILING MOUNTED IN USE SIGN	CEILING	
	WALL-MOUNTED IN USE SIGN	WALL ABOVE DOOR	
	TIME CLOCK		
	EMERGENCY LIGHT FIXTURE	AS NOTED	
	ELECTRIC PHOTOCCELL	N/A	MOUNT ON ROOF FACING NORTH SKY
	LIGHT FIXTURE CALLOUT (LETTER DENOTES FIXTURE TYPE)		
FIRE ALARM SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	BEAM DETECTOR - TRANSMITTER	4" BELOW CEILING TO TOP OF DETECTOR	
	BEAM DETECTOR - RECEIVER	4" BELOW CEILING TO TOP OF DETECTOR	
	END OF LINE RESISTOR	PER MANUF. REC.	
	TAMPER SWITCH	AT VALVE	
	WATER FLOW INDICATOR	ON FIRE RISER	
	FIRE/SMOKE DAMPER		
	HEAT DETECTOR	CEILING	SUBSCRIPT INDICATES SPECIFIC REQUIREMENTS/OPTIONS.
	CARBON MONOXIDE DETECTOR		'SB' DEVICE WITH SOUNDER BASE
	SMOKE DETECTOR		'R' DEVICE WITH ADDRESSABLE RELAY
	HEAT DETECTOR	WALL MOUNTED: MAX 12" FROM BOTTOM OF CEILING	
	CARBON MONOXIDE DETECTOR		'RES' DEVICE HAS 120V. SMOKE ALARM BATTERY BACKUP
	SMOKE DETECTOR		
	DUCT SMOKE DETECTOR	SIDE OF DUCT	
	FIRE ALARM MANUAL STATION		
	CONTROL MODULE	AT DEVICE(S) TO BE CONTROLLED	
	MONITOR MODULE	AT DEVICE(S) TO MONITOR	
	FAN SHUTDOWN RELAY	AT CONTROL PANEL	
	MAGNETIC DOOR HOLDER	COORDINATE WITH DOOR INSTALLER	COORDINATE WITH DOOR INSTALLER; SUBSCRIPT 'F' INDICATES TO MOUNT AT FLOOR LEVEL.
	WATER FLOOD CONTROL	FLOOR	
	AUDIO HORN	INDOOR - REFER TO TYPICAL ADA AND EQUIPMENT	SUBSCRIPT 'WP' INDICATES THAT A WEATHER PROOF BACK BOX IS REQ.
	FIRE ALARM VISUAL STROBE	MOUNTING HEIGHT DETAIL	NUMERIC SUBSCRIPT INDICATES CANDELA RATING OF STROBE (I.E. - 15, 75, 110)
	CONCEAL FIRE ALARM VISUAL STROBE		
	FIRE ALARM AUDIOVISUAL HORN/STROBE	OUTDOOR - 120" FROM FINISH FLOOR TO LENS	
	CONCEAL FIRE ALARM AUDIOVISUAL HORN/STROBE		
	CEILING MOUNTED FIRE ALARM AUDIOVISUAL HORN/STROBE		
	CEILING MOUNTED FIRE ALARM AUDIOVISUAL HORN/STROBE		
	FIRE ALARM AUDIO SPEAKER		
	CEILING MOUNTED FIRE ALARM AUDIO SPEAKER		
	FIRE ALARM AUDIOVISUAL SPEAKER/STROBE		
	CONCEALED CEILING MOUNTED FIRE ALARM AUDIOVISUAL SPEAKER/STROBE		
	FIRE FIGHTERS TELEPHONE JACK	+48"	
	FIRE PROTECTION SPRINKLER RISER BELL	+90"	FURNISHED BY FIRE PROTECTION CONTRACTOR AND INSTALLED AND CONNECTED BY DIV. 25
	FIRE ALARM CONTROL PANEL		
	ASD CONTROL PANEL		
TELEPHONE / DATA SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	TELEPHONE OUTLET	+18"	
	DATA OUTLET	+18"	
	COMBINATION TELEPHONE/DATA OUTLET	+18"	
	TELEPHONE TERMINAL BOARD	TOP AT 72"	
	WIRELESS ACCESS POINT	CEILING	
	WIRELESS ACCESS POINT	SEE PLANS	
	EMERGENCY PHONE	SEE PLANS	
TELEVISION SYSTEM SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	TELEVISION OUTLET	+18"	
	ANTENNA	ROOF	

WIRING DEVICE SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	SPLIT-WIRED DUPLEX RECEPTACLE	+18"	
	SIMPLEX RECEPTACLE	+18"	
	DUPLEX RECEPTACLE	+18"	
	FOURPLEX RECEPTACLE	+18"	
	125/250V RECEPTACLE	+18"	RANGE - NEMA 14-50R DRYER - NEMA 14-30R
	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE	+18"	
	GROUND FAULT CIRCUIT INTERRUPTER FOURPLEX RECEPTACLE	+18"	
	EMERGENCY DUPLEX RECEPTACLE	+18"	
	EMERGENCY FOURPLEX RECEPTACLE	+18"	
	DUPLEX RECEPTACLE W/2(3) 1A, 5VDC USB PORTS	+18"	
	MULTI-OUTLET ASSEMBLY	4" ABOVE BACKSPLASH	
	POWER / TELEPHONE POLE	FLOOR/CEILING	
	CORD DROP	REFER TO FLOOR PLANS	REFER TO DETAIL. REFER TO PLANS.
	CORD REEL	REFER TO FLOOR PLANS	REFER TO DETAIL. REFER TO PLANS.
	SPECIAL PURPOSE OUTLET	+18"	SUBSCRIPT IN PARENTHESIS INDICATES NEMA CONFIGURATION IF SHOWN. REFER TO DRAWINGS AND/OR EQUIPMENT SCHEDULES. CONFIRM EXACT CONFIGURATION WITH OWNER PRIOR TO INSTALLATION.
FLOOR BOX DEVICES			
SYMBOL	DESCRIPTION		
	FLOOR BOX - REFER TO SUBSCRIPT AND FLOOR BOX SCHEDULE FOR MORE INFORMATION		
	PROVIDE 4" SQUARE DEEP OUTLET BOX AND ELECTRICAL CONNECTIONS TO SYSTEMS FURNITURE. COORDINATE SYSTEM FURNITURE WIRING REQUIREMENTS AND OUTLET BOX LOCATIONS WITH SYSTEM FURNITURE SUPPLIER/INSTALLER PRIOR TO ROUGH-IN. WHP FROM OUTLET BOX TO SYSTEMS FURNITURE TO BE PROVIDED BY SYSTEM FURNITURE INSTALLER.		
	PROVIDE BOX WITH GROMMETTED COVER PLATE FOR COMMUNICATION CABLEING SIZE BOX PER NEC. COORDINATE PLACEMENT OF OUTLET BOXES IN WALLS AND COLUMNS WITH SYSTEM FURNITURE SUPPLIER/INSTALLER PRIOR TO ROUGH-IN. EXTEND CONDUIT WITH NYLON PULL ROPE TO ACCESSIBLE CEILING SPACE. REFER TO TELECOM RISER DIAGRAM FOR CONDUIT SIZING WITH A NYLON BUSHING.		
	POKE THROUGH - REFER TO SUBSCRIPT AND FLOOR BOX SCHEDULE FOR MORE INFORMATION.		
	MULTI-SERVICE POKE-THRU WITH FURNITURE FEED CONNECTIONS. (POWER, COMMUNICATIONS AND A/V)	MOUNTING	
		FLOOR	
	"TOMBSTONE" (LEGRAND 525) OUTLET BOX WITH FURNITURE FEED CONNECTIONS. (POWER ONLY)	FLOOR	
	"TOMBSTONE" (LEGRAND 525) OUTLET BOX WITH FURNITURE FEED CONNECTIONS. (COMMUNICATIONS ONLY)	FLOOR	
LIGHTING CONTROLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	SINGLE-POLE TOGGLE SWITCH	+48"	
	SINGLE-POLE TOGGLE SWITCH	+48"	"Y" LOWER CASE LETTER SPECIFIES ZONE
	THREE-WAY TOGGLE SWITCH	+48"	
	FOUR-WAY TOGGLE SWITCH	+48"	
	KEY-OPERATED SINGLE-POLE TOGGLE SWITCH	+48"	
	SINGLE-POLE TOGGLE SWITCH WITH PILOT LIGHT	+48"	
	DIMMER SWITCH	+48"	RATE DIMMER SWITCH FOR MAXIMUM POSSIBLE WATTAGE.
	TIMER SWITCH	+48"	
	OCCUPANCY SENSOR WALL SWITCH	+48"	
	OCCUPANCY SENSOR WALL SWITCH WITH DIMMING	+48"	
	LOW VOLTAGE SWITCH	+48"	REFER TO SWITCH DETAILS FOR MORE INFORMATION "F" SPECIFIES TYPE
	3-POSITION MOMENTARY CONTACT SWITCH	+48"	REFER TO DETAIL UP-ON; CENTER-NEUTRAL; DOWN-OFF
	3-POSITION MAINTAINED CONTACT SWITCH	+48"	UP-ON; CENTER-OFF; DOWN-ON
	OCCUPANCY SENSOR	CEILING	"Y" LOWER CASE SPECIFIES ZONE
	WALL MOUNTED OCCUPANCY SENSOR	+48"	"Y" LOWER CASE SPECIFIES ZONE
	DAYLIGHT SENSOR	CEILING	"Y" LOWER CASE LETTER SPECIFIES ZONE
	LOW-VOLTAGE SWITCH CONNECTED TO LIGHTING CONTROL PANEL	+48"	CP# REPRESENTS LIGHTING CONTROL PANEL IDENTIFIER. U/V SPECIFIES TYPE. K INDICATES KEYPED SWITCH. REFER TO SWITCH DETAILS FOR MORE INFORMATION.
	OCCUPANCY SENSOR CONNECTED TO LIGHTING CONTROL PANEL	CEILING	CP# REPRESENTS LIGHTING CONTROL PANEL IDENTIFIER
	DAYLIGHT SENSOR CONNECTED TO LIGHTING CONTROL PANEL	CEILING	CP# REPRESENTS LIGHTING CONTROL PANEL IDENTIFIER
	LIGHTING CONTROL SEQUENCE OF OPERATIONS IDENTIFIER		REFER TO SEQUENCE OF OPERATIONS SCHEDULE FOR ADDITIONAL INFORMATION
	PRIMARY DAYLIGHT ZONE		
	SECONDARY DAYLIGHT ZONE		
BRANCH CIRCUITING SYMBOLS			
SYMBOL	DESCRIPTION	REMARKS	
	BRANCH CIRCUIT HOME RUN TO PANEL	ARROWS: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS REQUIRED.	
	BRANCH CIRCUITING (U.N.O.) CONTINUATION		CAP AND MARK
	CONDUIT STUB-IN		
	INCOMING SERVICE		
	UNDERGROUND FEEDER		
	JUNCTION BOX	MOUNT AS NOTED. SUBSCRIPT 'F' INDICATES TO PROVIDE A FLOOR BOX WITH BLANK COVER/PLATE.	
	BRANCH CIRCUITING (U.N.O.) TURNED UP OR TOWARDS OBSERVER.		
	BRANCH CIRCUITING (U.N.O.) TURNED DOWN OR AWAY FROM OBSERVER.		
	2 CIRCUIT, BRANCH CIRCUIT HOME RUN TO PANEL	ARROWS: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS REQUIRED.	
	3 CIRCUIT, 4 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	ARROWS: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS REQUIRED.	

GENERAL SYMBOLS			
SYMBOL	DESCRIPTION	REMARKS	
	KEYED NOTE		
	DETAIL REFERENCE	TOP NUMBER INDICATES DETAIL NUMBER; BOTTOM LETTER-NUMBER INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN; WHERE NOT SPECIFICALLY REFERENCED, DETAIL IS GENERAL IN NATURE AND SHALL APPLY WHERE APPLICABLE.	
	ELEVATION REFERENCE	TOP NUMBER INDICATES ELEVATION NUMBER; BOTTOM LETTER-NUMBER INDICATES WHERE ELEVATION IS SHOWN.	
	SECTION REFERENCE	TOP NUMBER INDICATES ELEVATION NUMBER; BOTTOM LETTER-NUMBER INDICATES WHERE ELEVATION IS SHOWN.	
	ARCHITECTURAL ROOM NUMBER		
	EQUIPMENT NAME / NUMBER	TOP NUMBER ABBREVIATES EQUIPMENT NAME OR TYPE; BOTTOM NUMBER INDICATES EQUIPMENT NUMBER. REFER TO EQUIPMENT SCHEDULE.	
	REVISION NUMBER	USED TO DENOTE CHANGES EITHER ISSUED BY ADDENDUM OR DURING CONSTRUCTION AND TO DENOTE RECORD DRAWING CHANGES.	
	REVISION CLOUD	USED TO DENOTE AREAS, DEVICES, EQUIPMENT DETAILS, ETC. AFFECTED BY THE REVISION.	
	BREAKLINE	USED TO BREAK DRAWINGS.	
	LIGHTING CONTROL WIRING DIAGRAM CALLOUT		
ELECTRONIC SYSTEM GENERAL SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	ELECTRONIC SYSTEM PANELBOARD (SURFACE MOUNT)	TOP AT 72"	ELECTRONIC SYSTEMS MAY INCLUDE BUT ARE NOT SPECIFICALLY LIMITED TO: TELEPHONE, DATA, TELEVISION, LIGHTING CONTROL, CLOCKS, FIRE ALARM, ACCESS CONTROL, SECURITY, CCTV, SOUND SYSTEM, NURSE CALL, OR INTERCOM.
	ELECTRONIC SYSTEM PANELBOARD (FLUSH MOUNT)	TOP AT 72"	
	ELECTRONIC SYSTEM TERMINAL BOARD	TOP AT 72"	
	TWO POST DATA RACK		
	FOUR POST DATA RACK		
	FLOOR MOUNTED DATA CABINET		
	LARGE DATA CABINET		
	WALL MOUNTED DATA CABINET		
EQUIPMENT AND CONTROL SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	MANUAL STARTER WITH THERMAL OVERLOAD(S)	AT EQUIPMENT	
	ELECTRIC MOTOR		
	NON-FUSED DISCONNECT SWITCH	+60"	
	FUSED DISCONNECT SWITCH	+60"	
	CIRCUIT BREAKER AND ENCLOSURE	+60"	
	MAGNETIC STARTER	+60"	
	COMBINATION MAGNETIC STARTER / FUSED DISCONNECT	+60"	
	COMBINATION MAGNETIC STARTER / NON-FUSED DISCONNECT	+60"	
	COMBINATION MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP)	+60"	
	COMBINATION VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP)	FLOOR OR WALL AS SPECIFIED	TOP AT +72" IF WALL MOUNTED
	LOW-VOLTAGE SYSTEM CONTROL PANEL	TOP AT +72"	SEE FLOOR PLANS AND RISER DIAGRAMS FOR ADDITIONAL INFORMATION.
	LOAD CENTER (SURFACE-MOUNTED)	TOP AT +72"	14"W X 3"D
	LOAD CENTER (FLUSH-MOUNTED)	TOP AT +72"	14"W X 3"D
	LIGHTING AND APPLIANCE PANELBOARD (SURFACE-MOUNTED)	TOP AT +72"	20"W X 6"D
	LIGHTING AND APPLIANCE PANELBOARD (FLUSH-MOUNTED)	TOP AT +72"	20"W X 6"D
	POWER DISTRIBUTION PANELBOARD	WALL OR RACK MOUNTED	THESE SYMBOLS ARE GENERAL IN NATURE AND MAY VARY IN SIZE AND SHAPE TO SUIT APPLICATION. CROSS HATCHING INDICATES "MAIN PANELBOARD OR SWITCHBOARD" NAME IS INDICATED IN SEMI-QUOTES (I.E. 12X, MDP)
	SWITCHBOARD	PAD MOUNTED	
	WET TYPE TRANSFORMER	PAD MOUNT	
	DRY TYPE TRANSFORMER	PAD MOUNT	
	DRY TYPE TRANSFORMER	WALL MOUNT	
	METER BASE	TOP AT +72"	
	PULL BOX		
	UTILITY POLE		
	OPEN - STOP - CLOSE SWITCH	+60"	FURNISH SWITCH UNLESS FURNISHED BY ANOTHER DIVISION. INSTALL AND CONNECT COMPLETE. REFER TO RELATED SPECIFICATION SECTIONS.
	HVAC THERMOSTAT	+60"	PROVIDED BY DIVISION 23
	HAND - OFF - AUTO SWITCH	+60"	
	GROUND FAULT PROTECTION		
	ELECTRIC VEHICLE CAR CHARGING STATION	FLOOR	
	PAD MOUNTED UTILITY SWITCHGEAR		
	PAD MOUNTED UTILITY SECTIONALIZER		
INTRUSION DETECTION SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	MOTION DETECTOR	CEILING	SUBSCRIPT DENOTES DEGREES OF MONITORED AREA
	DURESS PUSH-BUTTON	BELOW DESK	
	OVERHEAD MAGNETIC CONTACT DOOR SWITCH	DOOR	
	MAGNETIC CONTACT DOOR SWITCH	DOOR	
	GLASS BREAK DETECTOR	CEILING	
	SIREN	+90"	
	REQUEST FOR EXIT	DOOR	
	INTRUSION DETECTION CONTROL PANEL	TOP AT +72"	

<

D1 EXISTING DEVICES, LIGHT FIXTURES, CAMERAS, PANELS, TRANSFORMERS, MECHANICAL EQUIPMENT, ETC., SHALL REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.

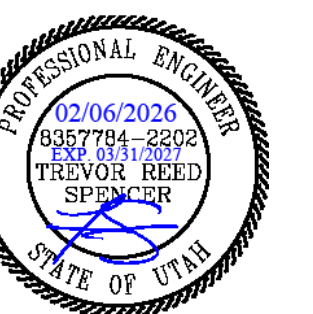
- I. UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK AND DASHED LINES. LIGHT AND SOLID ITEMS ARE TO REMAIN. DEMOLITION SHALL BE ACCORDING TO THE BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
 - A. DISCONNECT AND REMOVE ANY/L ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK WHETHER SHOWN OR NOT.
 - B. RELOCATE, REWIRE, AND/OR RECONNECT ANY/L ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
 - C. LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION, FUTURE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
 - D. REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. TERMINATE AT ACCESSIBLE JUNCTION BOX BY PROVIDING PROPER KNOCK-OUT CLOSURE. TARE CONDUCTORS, LABEL AS "SPARE" WITH CIRCUIT NO., ZONE NO, OR OTHER CHARACTERISTIC IDENTIFYING SOURCE.
 - E. EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE AND WHEN THEY DO NOT CONTRADICT THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND/OR PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY TO ALLOW FOR REUSE. ENSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
 - F. CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. THE USE OF WIREMOLD IS PERMITTED ONLY WHERE SPECIFICALLY NOTED ON DRAWING.
 - G. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
 - H. COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.
 - I. FIRE ALARM SYSTEM MUST REMAIN OPERATIONAL DURING ALL PHASES OF CONSTRUCTION.



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MONTICELLO HIGH SCHOOL - SECURITY
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SHEET NAME

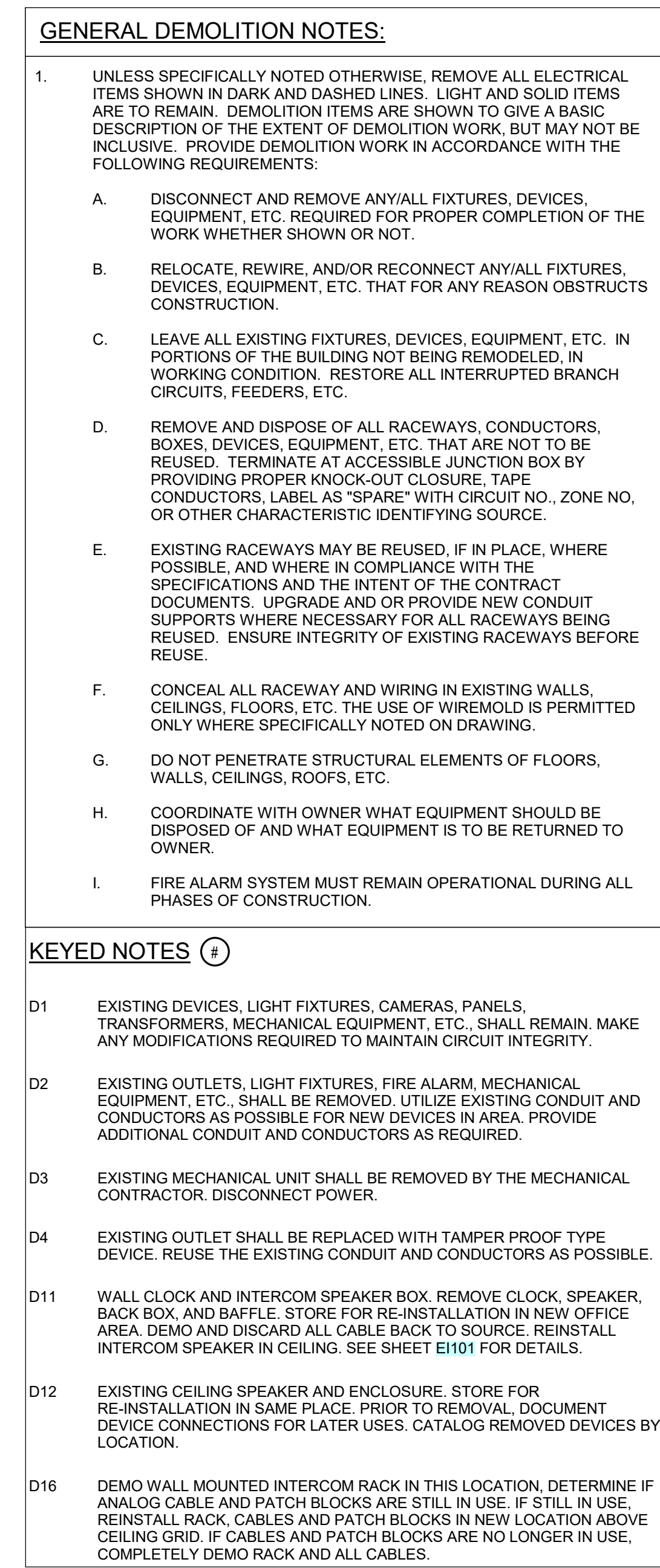
OVERALL FIRST FLOOR DEMOLITION PLAN

SHEET NUMBER

ED100

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Autodesk Docs://2023554 - SJSD School Projects (Banding ES - MHS - ARL-MS - MCES - SJH)/SJSD MHS Secure Vestibule_ELEC_V24_BIM360.rvt
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2 ENLARGED ELECTRICAL DEMOLITION
PLAN
SCALE: 1/4" = 1'-0"

ED101

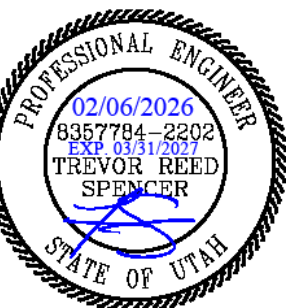
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CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS

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SHEET NAME
PARTIAL FIRST

PARTIAL FIRST

FLOOR

FLOOR

DEMOLITION

DEMOLITION

PLAN

PLAIN

SHEET NUMBER

FILE NUMBER

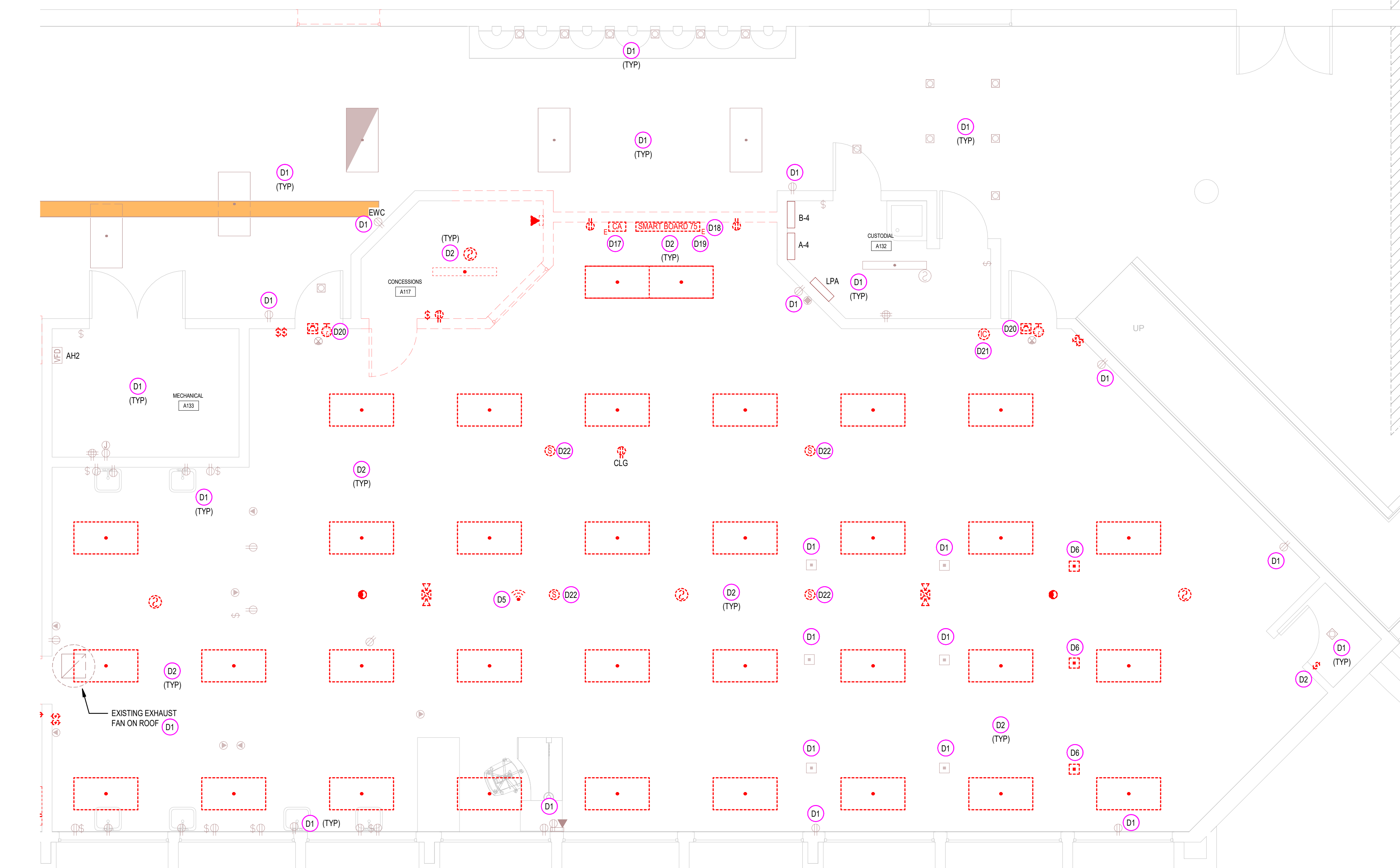
FD-101

FD101

LD101

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[RETURN TO INDEX](#)



1 PARTIAL HOME ECONOMICS ELECTRICAL
DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

- ## KEYED NOTES
- | | |
|-----|---|
| D1 | EXISTING DEVICES, LIGHT FIXTURES, CAMERAS, PANELS, TRANSFORMERS, MECHANICAL EQUIPMENT, ETC., SHALL REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY. |
| D2 | EXISTING OUTLETS, LIGHT FIXTURES, FIRE ALARM, MECHANICAL EQUIPMENT, ETC., SHALL BE REMOVED. UTILIZE EXISTING CONDUIT AND CONDUCTORS AS POSSIBLE FOR NEW DEVICES IN AREA. PROVIDE ADDITIONAL CONDUIT AND CONDUCTORS AS REQUIRED. |
| D5 | D OWNER SHALL REMOVE WIRELESS ACCESS NODE AND STORE FOR RE-INSTALLATION. |
| D6 | REPLACE COVER OF EXISTING FLOOR BOXES WITH BLANK OFF PLATE AFTER REMOVING ALL CONDUCTORS ASSOCIATED WITH THEM. |
| D17 | DEMO AND STORE EXISTING CLASSROOM AMPLIFIER, INTEGRATED CALL SWITCH AND WALL MOUNT BOX, PULL BACK AND COIL CABLES ABOVE CEILING FOR RE-CONNECTION TO 'CA' IN NEW LOCATION. SEE ET102. |
| D18 | DEMO AND STORE EXISTING WALL MOUNTED DISPLAY, MOUNT, CHROME PC AND CABLES. REINSTALL DISPLAY, MOUNT, PC AND CABLES IN NEW LOCATION. SEE ET102. |
| D19 | DEMO WALL MOUNTED PROJECTOR SCREEN. RETURN TO OWNER FOR FINAL DISPOSITION. |
| D20 | DEMO AND REMOVE EXISTING, ABANDONED WALL MOUNTED INTERCOM SPEAKER AND CLOCK, AND BACK BOX. DEMO ALL CABLES BACK TO SOURCE. |
| D21 | DEMO INTERCOM CALL SWITCH. DEMO CABLES BACK TO SOURCE. ABANDON JUNCTION BOX IN PLACE. COVER WITH NEW STAINLESS STEEL PLATE COVER PLATE. |
| D22 | DEMO ALL CLASSROOM SPEAKERS. DEMO CABLES BACK TO SOURCE. |
| D23 | DEMO EXISTING CLASSROOM AMPLIFIER, WALL MOUNT BOX, AND INTEGRATED CALL SWITCH, AND RETURN TO OWNER. DEMO ALL CABLES BACK TO SOURCE. |
| D24 | EXISTING SPEAKERS CALL SWITCHES AND OTHER AV DEVICES TO REMAIN. MAINTAIN ALL SYSTEMS FUNCTIONAL THROUGHOUT CONSTRUCTION. |



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PARTIAL
ELECTRICAL
DEMO HOME
ECON. PLAN

SHEET NUMBER

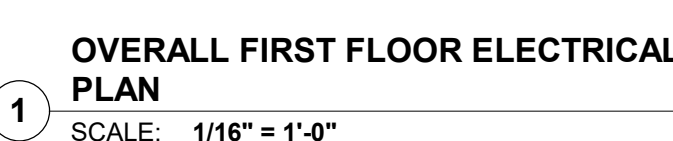
ED102

RETURN TO INDEX

1. ALL 120V, 20AMP OUTLETS THAT ARE WITHIN 6' OF ANY SINK SHALL BE GFCI.
2. THE DIVISION 26 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS AND CONDUIT RUNS.

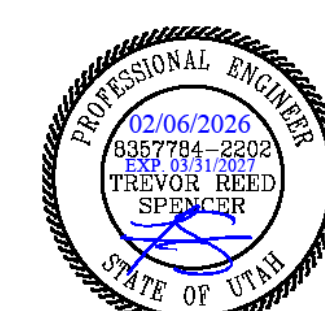
1. NO EXPOSED COMMUNICATIONS CONDUIT ALLOWED IN BUILDING UNLESS APPROVED IN ADVANCED BY OWNER/ARCHITECT.
2. ALL TELECOMMUNICATIONS OUTLETS SHALL BE LABELED IN ACCORDANCE WITH TIA/EIA 608-B. LABELING SHALL BE PROVIDED AT BOTH THE INLET AND THE TERMINATING END IN THE COMMUNICATIONS ROOM.
3. ALL DATA OUTLETS SHALL COMPLY WITH TIA/EIA 568.1-D, AND TIA/EIA 568-D, AND BE WIRED IN ACCORDANCE WITH TISIA T568-C.2.
4. ALL CONDUIT FOR TELECOMMUNICATIONS PURPOSES SHALL BE EMT AND SHALL BE SIZED PER ANSI/TIA/EIA 568-D. MINIMUM CONDUIT SIZE FOR ANY TELECOMMUNICATIONS CABLE SHALL BE 1" CONDUIT. SHALL BE LABELED TO GREATER THAN 50% OF ITS MAXIMUM CABLE CARRYING CAPACITY.
5. THE DIVISION 27 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS, CONDUIT, AND CABLE TRAYS.

P1 EXISTING DEVICES, PANELS, TRANSFORMERS, ETC., SHALL REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.



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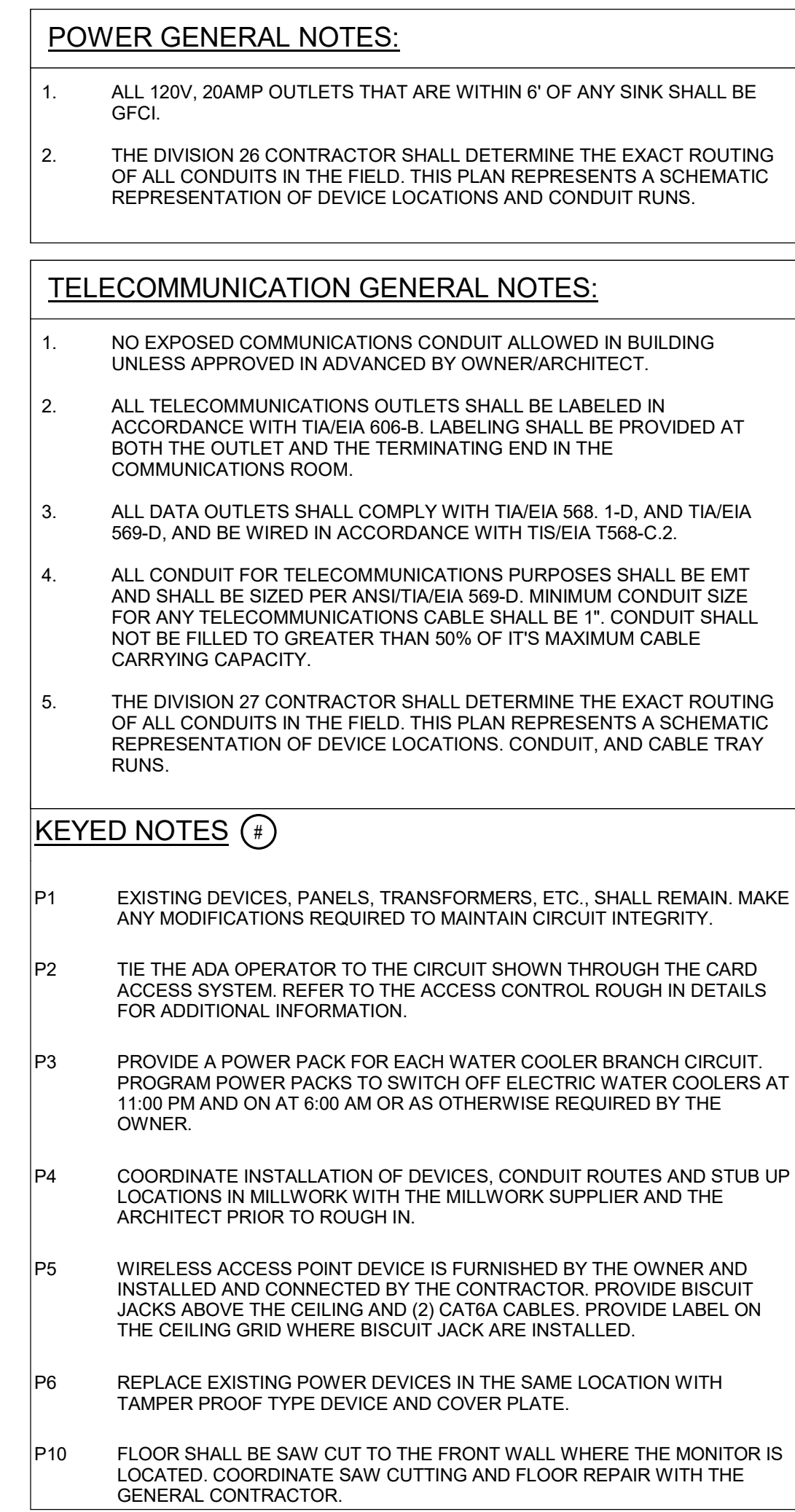
SHEET NAME

OVERALL FIRST
FLOOR
ELECTRICAL
PLAN

SHEET NUMBER

EP100

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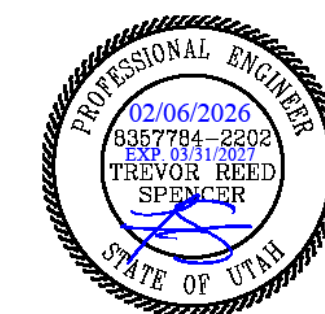
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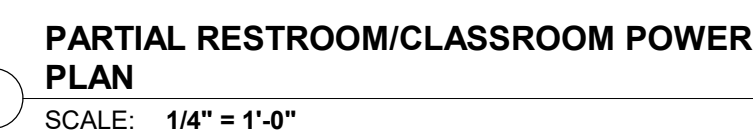
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SHEET NAME
PARTIAL ADMIN
POWER PLAN

SHEET NUMBER

EP101

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MECHANICAL EQUIPMENT SCHEDULE																				
UNIT NAME			ELECTRICAL INPUT					FEEDER		WIRE		STARTER / DISCONNECT / CONNECTION AT UNIT							REMARKS	
TYPE	No.	DESCRIPTION	LOAD	TYPE	VOLTS	PHASE	AMPS	QTY	CONDUIT SIZE	QTY	SIZE	EQPT GND	NOTE	STARTER SIZE	OCF SIZE	POLES	DISCONNECT SIZE	POLES		ENCLOSURE
EF	1	EXHAUST FAN	0.125	HP	120 V	1	3.8 A	2	3/4"	1	12	12	1A				1HP	1	NEMA 1	
EF	2	EXHAUST FAN	0.75	HP	120 V	1	13.8 A	2	3/4"	1	12	12	1A				1HP	1	NEMA 3R	
STARTER/DISCONNECT/CONNECTION AT UNIT NOTES:																				
1. MANUAL STARTER WITH THERMAL OVERLOAD 2. MANUAL STARTER WITH THERMAL OVERLOAD PROTECTION & LOW VOLTAGE RELAY / CONTACTOR FOR ATO CONTROL 3. COMBINATION MAGNETIC STARTER / FUSED DISCONNECT 4. COMBINATION MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP) 5. COMBINATION VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP) 6. REDUCED VOLTAGE STARTER 7. COMBINATION TWO-SPEED STARTER / FUSED DISCONNECT 8. COMBINATION TWO-SPEED STARTER / MOTOR CIRCUIT PROTECTOR (MCP) 9. NON-FUSED DISCONNECT SWITCH 10. FUSED DISCONNECT SWITCH										11. BREAKER AND ENCLOSURE 12. DIRECT CONNECTION 13. DUPLEX RECEPTACLE OUTLET 14. SPECIAL PURPOSE OUTLET 15. SHUNT-TRIP DISCONNECT 16. TOGGLE SWITCH 17. MAGNETIC STARTER 18. FUSED ELEVATOR SWITCH 19. PROVIDE EARLY-BREAK RELAY IN DISCONNECT WITH CONTROL WIRING BETWEEN VFD AND RELAY.					A. FURNISHED, INSTALLED & CONNECTED UNDER DIVISION 26. B. FURNISHED & INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTIONS UNDER DIVISION 26. C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 26. D. FURNISHED, INSTALLED & CONNECTED UNDER ANOTHER DIVISION E. FURNISHED BY OWNER, INSTALLED & CONNECTED BY DIVISION 26					
GENERAL NOTES:																				
1. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND SIZE FEEDER, STARTER, DISCONNECT AND OVERCURRENT PROTECTION IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OF ACTUAL EQUIPMENT SUPPLIED. 2. ALL CONDUCTORS USED SHALL BE COPPER. 3. ELECTRICAL CONTRACTOR SHALL REVIEW MECHANICAL DRAWINGS FOR ANY ADDITIONAL REQUIREMENTS PRIOR TO BID. 4. ELECTRICAL CONTRACTOR SHALL REVIEW OTHER TRADE SUBMITTALS FOR ANY EQUIPMENT REQUIRING CONNECTION BY ELECTRICAL CONTRACTOR AND COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN. 5. SIZE ALL FUSES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.																				

FLOOR BOX SCHEDULE												COMMENTS
TYPE	DEVICE CAPACITY	CONDUIT OPENINGS	G1	G2	G3	G4	G5	G6	MANUFACTURER	CAT. # (OR APPROVED EQUAL)		
B1	4	3/4" 1"	DUPLEX	DUPLEX	DATA	HDMI	-	-	LEGRAND (OR PRIOR APPROVED EQUIVALENT)	RF84CL-11 RF8-OR / RF8-GF		COLOR OF COVER BY ARCHITECT

PANELBOARD SCHEDULE															
EXISTING PANEL NAME: C-4						LOCATION: MLO				FEED FROM: MDP					
MOUNTING: SURFACE ENCLOSURE: NEMA 1 DOOR TYPE: STANDARD						VOLTAGE: 120/208 Wye				MAIN TYPE: MLO				SPD: NONE	
						PHASE: 3				BUS RATING: 225 A				NEUTRAL RATING: 100%	
						WIRES: 4				MCB RATING: N/A				ISOLATED GROUND: N/A	
Min. A.I.C. RATING: 10K						BUS MATERIAL: COPPER									
BRANCH BREAKERS															
KEYED NOTE	CIRCUIT DESCRIPTION	AMP	POLE	LOAD TYPE	CKT #	A	B	C	CKT #	LOAD TYPE	POLE	AMP	CIRCUIT DESCRIPTION	KEYED NOTE	
10	CO COUNTER RECEPTION A102	20 A	1	CO	1	360 VA	0 VA		2	--	1	20 A	CORRIDOR 147 OUTLETS	9	
10	CO RECEPTION A102	20 A	1	CO	3		900 VA	0 VA	4	--	1	20 A	OFFICE 145/STORAGE...	9	
10	CO TEACHER WORK RM	20 A	1	CO	5			540 VA	0 VA	6	--	1	20 A	EDNET 143 OUTLETS	9
10	CO TEACHER WORK RM	20 A	1	CO	7	540 VA	0 VA		8	--	1	20 A	BUSINESS LAB 144 OUTLETS	9	
9	MEDIA CENTER CIRCULATION	20 A	1	--	9		0 VA	0 VA	10	--	1	20 A	BUSINESS LAB 144 OUTLETS	9	
9	TEACHER LOUNGE NORTH...	20 A	1	--	11			0 VA	0 VA	12	--	1	20 A	BUSINESS LAB 144 OUTLETS	9
9	VAV POWER	20 A	1	--	13	0 VA	0 VA		14	--	1	20 A	BUSINESS LAB 144 OUTLETS	9	
9	VAV POWER	20 A	1	--	15			0 VA	0 VA	16	--	1	20 A	BUSINESS LAB 144 OUTLETS	9
9	VAV POWER	20 A	1	--	17			0 VA	0 VA	18	--	1	20 A	BUSINESS LAB 144 OUTLETS	9
10	CO COUNTER RECEPTION A102	20 A	1	CO	19	720 VA	720 VA		20	CO	1	20 A	CO CONF RM	10	
10	DISPLAY & FLOOR BOX CONF...	20 A	1	CO	21		680 VA	0 VA	22	--	1	20 A	COMPUTER RM OUTLETS	9	
1.8	CO REF. CONF RM	20 A	1	K	23			1200 VA	720 VA	24	CO	1	20 A	CO OFFICE A113	10
8	FIRE SMOKE DAMPER	20 A	1	M	25	350 VA	720 VA		26	CO	1	20 A	CO OFFICE A112	10	
	-SPARE-	20 A	1	--	27		0 VA	720 VA	28	CO	1	20 A	CO OFFICE A105	10	
	-SPARE-	20 A	1	--	29			0 VA	720 VA	30	CO	1	20 A	CO OFFICE A106	10
9	DOOR HOLDER	20 A	1	--	31	0 VA	720 VA		32	CO	1	20 A	CO OFFICE A108	10	
9	FACP	20 A	1	--	33		0 VA	0 VA	34	--	1	20 A	OUTLETS148, 148B	9	
9	MEDIA DESK MECH RM	20 A	1	--	35			0 VA	0 VA	36	--	1	20 A	-SPARE-	
9	UNKNOWN	20 A	1	--	37	0 VA	0 VA		38	--	1	20 A	MEDIA CENTER OUTLETS	9	
9	OUTSIDE POLE LIGHT	20 A	1	--	39			0 VA	0 VA	40	--	1	20 A	-SPARE-	
	-SPARE-	20 A	1	--	41			0 VA	0 VA	42	--	1	20 A	ENGLISH LAB EAST WALL	9
TOTAL CONNECTED LOAD PER PHASE (VA)						4130 VA	2300 VA	3180 VA							
TOTAL CONNECTED CURRENT PER PHASE (AMPS)						36 A	19 A	28 A							
LOAD CLASSIFICATION		CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS							
KITCHEN		1200 VA		100.00%		1200 VA									
Motor		350 VA		125.00%		438 VA		Total Conn. Load: 9610 VA							
RECEPTACLE		360 VA		100.00%		360 VA		25% OF LARGEST MOTOR:							
CO		7700 VA		100.00%		7700 VA		Total Est. Demand: 9698 VA							
								Total Conn. Current: 27 A							
								Total Est. Demand Current: 27 A							

PANELBOARD SCHEDULE																			
EXISTING PANEL NAME: B-4										LOCATION: CUSTODIAL A132					FEED FROM: LPA				
MOUNTING: SURFACE					VOLTAGE: 120/208 Wye					MAIN TYPE: MLO					SPD: NONE				
ENCLOSURE: NEMA 1					PHASE: 3					BUS RATING: 125 A					NEUTRAL RATING: 100%				
DOOR TYPE: STANDARD					WIRES: 4					MCB RATING: N/A					ISOLATED GROUND: N/A				
Min. A.I.C. RATING: 22K					BUS MATERIAL: COPPER														
BRANCH BREAKERS																			
KEYED NOTE	CIRCUIT DESCRIPTION	AMP	POLE	LOAD TYPE	CKT #	A	B	C	CKT #	LOAD TYPE	POLE	AMP	CIRCUIT DESCRIPTION	KEYED NOTE					
9	(E) CABINET UNIT HEATER	20 A	1	--	1	0 VA	0 VA		2	--	1	20 A	(E) WASHER	9					
9	(E) FAN MOTOR	20 A	3	--	3		0 VA	0 VA	4	--	2	20 A	(E) DRYER	9					
--	--	--	--	--	5			0 VA	0 VA	6	--	--	--	--					
--	--	--	--	--	7	0 VA	0 VA		8	--	1	20 A	(E) DISHWASHER	9					
9	(E) EWC	20 A	1	--	9		0 VA	0 VA	10	--	1	20 A	(E) REFRIGERATOR	9					
9	(E) LIGHTS MECH & CLASS 999	20 A	1	--	11			0 VA	0 VA	12	--	1	20 A	(E) COACH OFF. C.O. & LTG	9				
9	(E) CLASSROOM LIGHTS	20 A	1	--	13	0 VA	9 VA		14	L	1	20 A	(E) GYM FOYER/CORRIDOR...	10					
9	(E) CLASSROOM LIGHTS	20 A	1	--	15		0 VA	0 VA	16	--	1	20 A	(E) GYM FOYER/CORRIDOR...	10					
10	CO CONCESSIONS A117	20 A	1	CO	17			720 VA	0 VA	18	--	1	20 A	(E) GYM FOYER/CORRIDOR...	9				
1.8	REF. CONCESSIONS A117	20 A	1	K	19	1200 VA	0 VA		20	--	1	20 A	(E) GYM FOYER/CORRIDOR...	9					
10	CONCESSIONS EQUIP. A117	20 A	1	CO	21		180 VA	0 VA	22	--	1	20 A	(E) FOYER LIGHTS	9					
10	CONCESSIONS EQUIP. A117	20 A	1	CO	23			180 VA	0 VA	24	--	1	20 A	(E) FOYER LIGHTS	9				
10	CONCESSIONS EQUIP. A117	20 A	1	CO	25	180 VA	0 VA		26	--	1	20 A	(E) DOOR OPENER/VESTIBULE	9					
10	HAND DRYER MEN A121	25 A	1	EH	27		2300 VA	0 VA	28	--	1	20 A	(E) GYM EXIT LIGHT	9					
10	HAND DRYER WOMEN A120	25 A	1	EH	29		2300 VA	448 VA	30	L	1	20 A	LTG LOBBY	10					
10	CONCESSIONS EQUIP. A117	20 A	1	CO	31	180 VA	360 VA		32	CO	1	20 A	HOME EC TEACHER STAT...	10					
10	CONCESSIONS EQUIP. A117	20 A	1	CO	33		180 VA	680 VA	34	CO	1	20 A	CO HOME EC A118	10					
10	CONCESSIONS EQUIP. A117	20 A	1	CO	35			180 VA	500 VA	36	CO	1	20 A	HOME EC FUTURE DISPLAY...	10				
9	(E) IDF OUTLETS / EXHAUST...	20 A	1	--	37	0 VA	540 VA		38	CO	1	20 A	CO HOME EC A118 / STORAGE	10					
9	(E) FACP BOOSTER/ CLOSET...	20 A	1	--	39		0 VA	540 VA	40	CO	1	20 A	CO HOME EC A118 / GYM...	10					
10	CO VESTIBULE/LOBBY	20 A	1	CO	41			360 VA	2736 VA	42	EF...	1	20 A	CO HOME EC RESTROOMS	10				
TOTAL CONNECTED LOAD PER PHASE (VA)						2469 VA	3880 VA	7424 VA											
TOTAL CONNECTED CURRENT PER PHASE (AMPS)						21 A	34 A	64 A											
PANEL TOTALS																			
LOAD CLASSIFICATION		CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND													
ELECTRIC HEAT		4600 VA		100.00%		4600 VA													
EXHAUST FAN		1656 VA		125.00%		2070 VA		Total Conn. Load: 13773 VA											
KITCHEN		1200 VA		100.00%		1200 VA		25% OF LARGEST MOTOR:											
LIGHTING		6 VA		125.00%		11 VA		Total Est. Demand: 14301 VA											
RECEPTACLE		360 VA		100.00%		360 VA		Total Conn. Current: 38 A											
LTG		5500 VA		100.00%		5500 VA		Total Est. Demand Current: 40 A											



Y1 EXISTING FIRE ALARM DEVICE SHALL REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.

Y3 PROVIDE ALL NECESSARY CONTACT/RELAYS TO DISABLE POWER TO THE ADA DOOR OPERATOR AT THIS LOCATION. THE ACCESS CONTROL SYSTEM SHALL CONTROL THE POWER TO THE ADA DOOR OPERATOR SUCH THAT WHEN THE DOOR IS SECURE, POWER IS DISABLED TO THE ADA DOOR OPERATOR.

Y4 RELEASE OF THIS DOOR SHALL BE ACTUATED VIA AN INPUT FROM THE DESK PUSH BUTTON.

Y5 PROVIDE CARD ACCESS SYSTEM DEVICES AND TIE TO THE NEW CARD ACCESS SYSTEM. REFER TO EYF02D AND THE REFERENCE DETAILS. CARD ACCESS SPECIFICATION, DOOR HARDWARE SCHEDULE, AND DOOR HARDWARE SPECIFICATION FOR ADDITIONAL INFORMATION.

Y6 PROVIDE AXIS A8105-E NETWORK VIDEO DOOR STATION. EXTEND A CAT8 CABLE WITH YELLOW JACKET FROM THE DOOR STATION TO THE DATA RACK. TERMINATE CABLE IN THE CCTV PATCH PANEL, MOUNT AT 60° TO THE BOTTOM OF THE DEVICE, UNLESS OTHERWISE DIRECTED BY THE OWNER. CONSOLE PROGRAMMING AND OPERATION WITH THE OWNER.

Y7 EXISTING DEVICE TO BE RE-INSTALLED IN LOCATION SHOWN.

Y9 INSTALL OWNER FURNISHED CAMERA IN THE APPROXIMATE LOCATION SHOWN. PROVIDE DATA DROP AND EXTEND CABLE BACK TO THE NEAREST DATA ROOM. COORDINATE LOCATION WITH OWNER PRIOR TO ROUGH-IN.

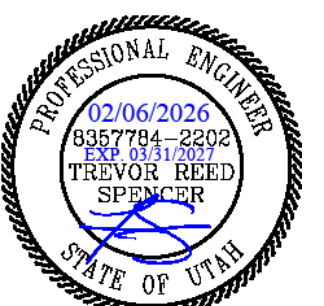
Y10 FIRE SMOKE DAMPERS SHALL BE CONTROLLED BY THE FIRE ALARM SYSTEM FOR AUTOMATIC CLOSURE UPON ALARM. PROVIDE POWER THROUGH CIRCUIT SHOWN.



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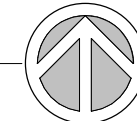
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ABBREVIATIONS:

ADO - AUTOMATIC DOOR OPERATOR
AFF - ABOVE FINISHED FLOOR
AP - ACCESS CONTROL PANEL
CR - CARD READER
DHS - DOOR HARDWARE SUPPLIER
DPS - DOOR POSITION SWITCH
EPT - ELECTRIC POWER TRANSFER
ES - ELECTRIC STRIKE
MAG LOCK - MAGNETIC LOCK
RX - EXIT DEVICE
PB - DOOR RELEASE PUSH BUTTON (MANUAL REX)
REX - REQUEST TO EXIT
RFI - REQUEST FOR INFORMATION

ACCESS CONTROL COORDINATION REQUIREMENTS:

CODE REFERENCES AND REQUIREMENTS:
2021 NFPA 101 - LIFE SAFETY CODE

- 7.2.1.5.6(5) REQUIRES THAT LOSS OF POWER WILL UNLOCK THE ELECTRICALLY CONTROLLED DOOR HARDWARE.
- 7.2.1.6.2.(4) REQUIRES THAT ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM UNLOCK ALL DOORS LOCATED IN THE PATH OF EGRESS. 2016 NFPA 80 - FIRE DOORS AND OTHER OPENING PROTECTIVES

2021 NFPA 60 - FIRE DOORS AND OTHER OPENING PROTECTIVES

- 6.1.3.4 REQUIRES THAT POWER OPERATED FIRE DOORS HAVE A RELEASING DEVICE TO AUTOMATICALLY RELEASE POWER UPON FIRE ALARM.
- 6.4.4.3.3 REQUIRES THAT FIRE RATED DOORS BE POSITIVELY LATCHED TO MAINTAIN THE FIRE RATING. ALL ELECTRIC STRIKES USED IN FIRE RATED DOORS MUST BE FAIL SECURE.

2021 IBC - INTERNATIONAL BUILDING CODE

- 1010.1.9.8 REQUIRES ELECTROMAGNETICALLY LOCKED DOORS HAVE A SENSOR RELEASE SWITCH EITHER AUTOMATIC OR BY A READILY ACCESSIBLE WALL MOUNTED PUSHBUTTON TO RELEASE THE LOCK WITHIN 5' OF THE DOOR.

INTEGRATION WITH FIRE ALARM

ALL MAGNETIC LOCKS SHALL BE UNLOCKED DURING A GENERAL FIRE ALARM. THIS ACTION IS NOT REQUIRED IF SYSTEM IS IN ALARM BY MEANS OF A MANUAL PULL STATION. AUTOMATIC DETECTION DEVICES SUCH AS SMOKE DETECTORS OR SPRINKLER FLOW REQUIRE UNLOCKING AND THE DOOR MUST REMAIN UNLOCKED UNTIL FIRE ALARM SYSTEM RESET. CONTRACTOR SHALL INCLUDE ALL FIRE ALARM INTERFACE EQUIPMENT SUCH AS ADDRESSABLE CONTROL MODULES OR BY CONTACT CLOSURE SIGNALING TO THE ACCESS CONTROL PANELS AS NECESSARY TO MEET THE CODE REQUIREMENTS. ALL DOORS IN STAIRWELLS MUST ALLOW FOR RE-ENTRY.

TO ENSURE A COMPLETE AND OPERATING ACCESS CONTROL SYSTEM AND TO ELIMINATE DELAYS, INSUFFICIENT OR UNNECESSARY WORK BY ALL OF THE ENTITIES INVOLVED, THE FOLLOWING STEPS SHALL BE COMPLETED. THE FAILURE TO DO SO RESULTING IN ADDED COSTS AND LOST TIME WILL BE BORN SOLELY BY THE CONTRACTOR. NO ADDITIONAL PAYMENTS WILL BE MADE BY THE OWNER TO COVER WORK DESCRIBED BELOW.

DURING THE BIDDING PROCESS:

- THE ELECTRICAL CONTRACTOR SHALL REVIEW THE FLOORPLAN DRAWINGS AND DETAILS ON THIS SHEET. THE FLOORPLANS WILL INDICATE WHICH DOORS HAVE ACCESS CONTROL EQUIPMENT REQUIRING ROUGH-IN. DEVICE LOCATIONS REQUIRING JUNCTION BOXES WILL BE SHOWN ON THE FLOORPLANS, BUT ALL CONDUIT AND HARDWARE REQUIREMENTS CAN ONLY BE DETERMINED BY REFERRING TO THE SPECIFIC DOOR ROUGH-IN DETAILS AND THE ARCHITECTURAL DOOR HARDWARE SPECIFICATION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.
- THE ELECTRICAL CONTRACTOR SHALL REVIEW THE ARCHITECTURAL DOOR HARDWARE SCHEDULE, DOOR HARDWARE SPECIFICATIONS, AND DEFINED EGRESS PATHS. IDENTIFY ACCESS CONTROLLED DOORS LOCATED IN FIRE RATED WALLS AND IN PATHS OF EGRESS REQUIRING ADDITIONAL CONTROL DEVICES.
- THE ELECTRICAL CONTRACTOR SHALL VERIFY WHICH DOORS USING AN ELECTRIFIED EXIT DEVICE WILL REQUIRE 120V AT THE DOOR. THIS IS MANUFACTURER SPECIFIC AND MUST BE CONFIRMED WITH THE GENERAL CONTRACTOR ACCORDING TO WHICH HARDWARE SUPPLIER BEING USED.

POST-BID, DURING THE SUBMITTAL PROCESS:

- DURING THE SUBMITTAL PROCESS, THE ELECTRICAL CONTRACTOR SHALL REVIEW THE APPROVED DOOR HARDWARE SUBMITTAL TO CONFIRM THE FINAL HARDWARE SETS PRIOR TO ANY ROUGH-IN. ANY QUESTIONS SHALL BE ISSUED BY FORMAL RFI.

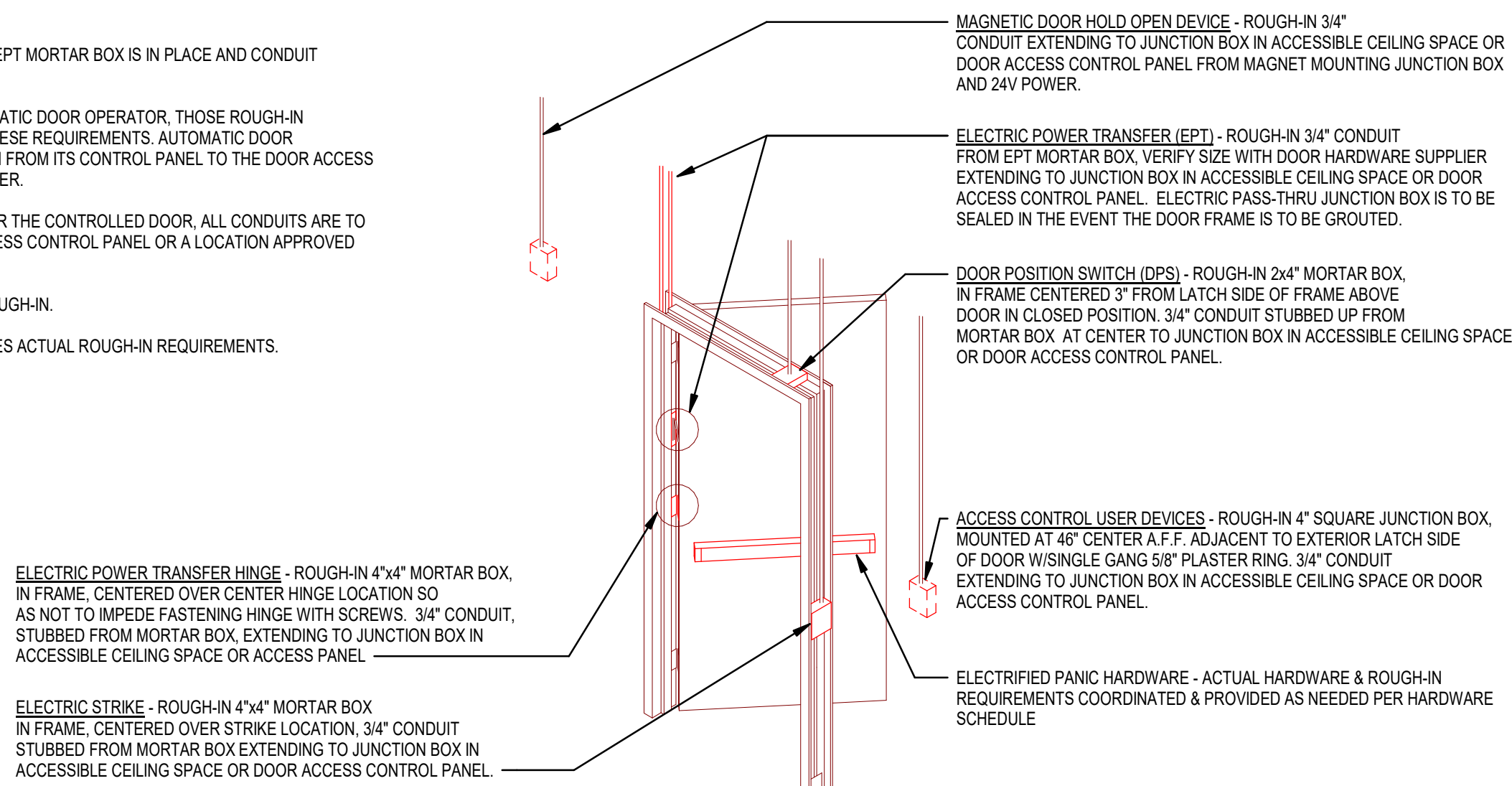
- MEET WITH THE ACCESS CONTROL VENDOR TO REVIEW ALL FINAL INTEGRATION AND ROUGH-IN REQUIREMENTS. ONLY AFTER CONFIRMING THE FINAL DOOR HARDWARE AND ACCESS CONTROL SYSTEM REQUIREMENTS SHALL ANY ROUGH-IN WORK BEGIN.

GENERAL NOTES:

- THE DOOR DETAILS SHOWN BELOW ARE GENERAL ROUGH-IN DETAILS AND NOT ALL DEVICES SHOWN MAY BE PRESENT FOR EACH DOOR. CONTRACTOR SHALL REFER TO THE DOOR HARDWARE SCHEDULE IN THE ARCHITECT'S DRAWINGS AND SPECS TO DETERMINE WHAT DEVICES ARE PRESENT FOR EACH DOOR REQUIRING CARD ACCESS DOOR EQUIPMENT.
- NOT ALL DOOR STYLE DETAILS SHOWN BELOW MAY BE INCLUDED IN THE PROJECT.
- ALL CONDUIT SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
- THE DOOR ROUGH-IN INFORMATION SHOWN ON THESE DRAWINGS ARE SCHEMATIC IN NATURE AND CANNOT ACCOUNT FOR ALL SPECIFIC VENDOR REQUIREMENTS, OR ACTUAL DOOR HARDWARE PROVIDED. COORDINATE SPECIFIC LOCATIONS WITH SECURITY CONTRACTOR AND APPROVED DOOR HARDWARE SCHEDULES PRIOR TO ROUGH-IN. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE CONDUIT RACEWAY SYSTEM AT THE DOOR AND BACK TO LOCAL ELECTRICAL ROOM.
- IF REX IS NOT INCLUDED IN DOOR HANDLE OR EXIT DEVICE, PROVIDE BOX FOR WALL MOUNTED REX DEVICE. VERIFY WITH DOOR HARDWARE PRIOR TO ROUGH-IN.
- PROVIDE CONDUIT AND DEVICE BACK BOX ROUGH-IN AT ALL CARD READER DOOR LOCATIONS. CONDUIT SHALL BE 3/4" UNLESS OTHERWISE NOTED AND ALL BOXES SHALL BE 4 SQUARE WITH A SINGLE GANG MUD RING FOR DEVICES OR JUST A SINGLE GANG BOX IF INSTALLED AT THE DOOR FRAME.
- A SINGLE FIRE ALARM CONTROL MODULE MAY BE USED TO CONTROL THE POWER TO MULTIPLE DOORS IF COORDINATED WITH THE ACCESS CONTROL SYSTEM VENDOR TO WIRE DOORS SEPARATE FROM OTHER DOORS TOGETHER ON THE SAME POWER SUPPLY LOOP.
- IF NO ACCESSIBLE CEILING SPACE IS NEAR THE CONTROLLED DOOR, ALL CONDUITS ARE TO BE RUN CONTINUOUS TO THE DOOR ACCESS CONTROL PANEL, UNLESS A LOCATION IS DETERMINED TO BE ACCEPTABLE TO THE ENGINEER PRIOR TO INSTALLATION.

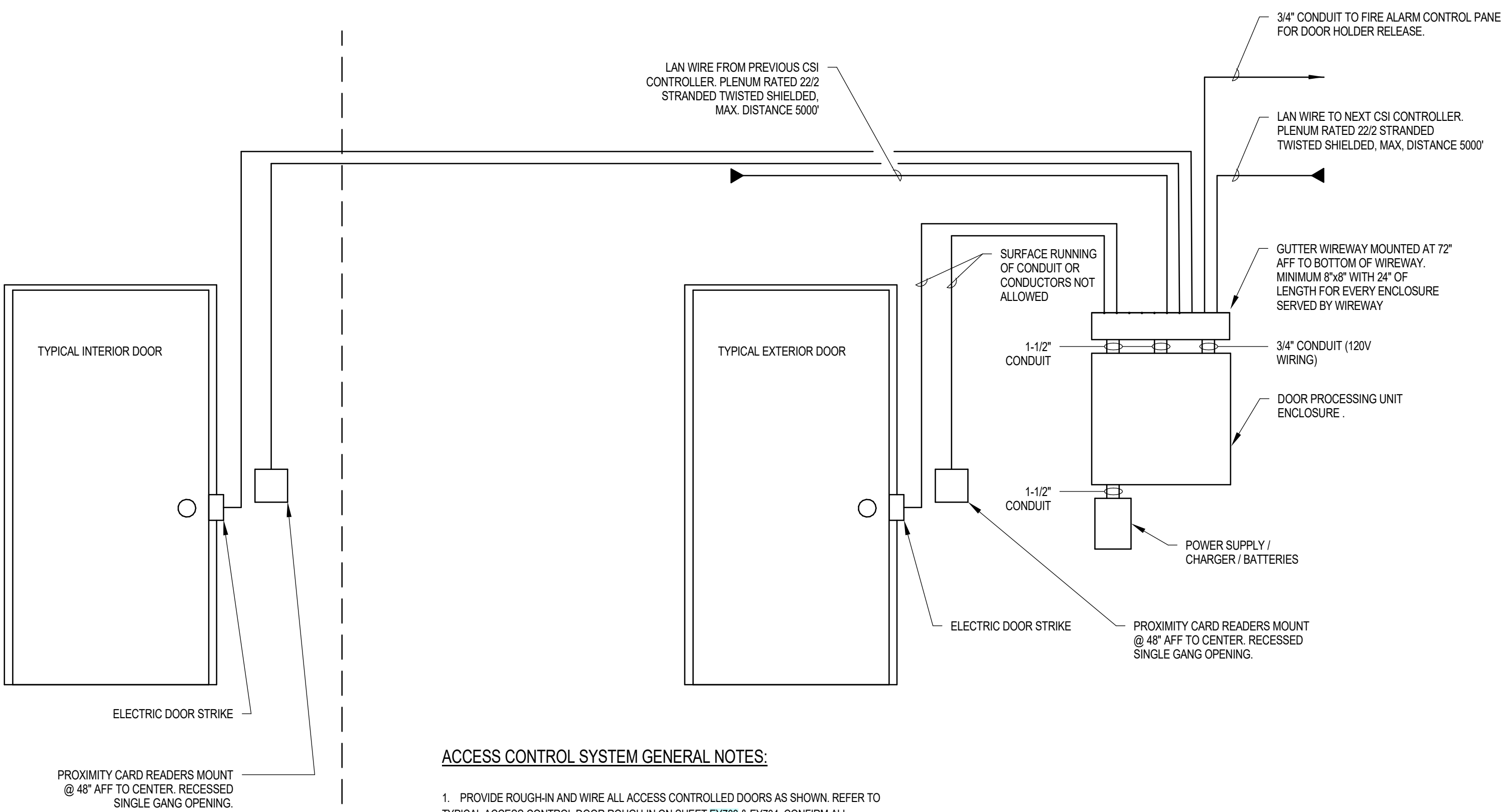
GENERAL NOTES:

- IF DOOR IS TO BE GROUTED MAKE SURE EPT MORTAR BOX IS IN PLACE AND CONDUIT CONNECTED AND SEALED.
- IF DOOR IS TO BE EQUIPPED WITH AUTOMATIC DOOR OPERATOR, THOSE ROUGH-IN PROVISIONS SHALL BE IN ADDITION TO THESE REQUIREMENTS. AUTOMATIC DOOR OPERATORS SHALL HAVE COMPLETE RUN FROM ITS CONTROL PANEL TO THE DOOR ACCESS CONTROL PANEL AND INCLUDE 120V POWER.
- IF NO ACCESSIBLE CEILING SPACE IS NEAR THE CONTROLLED DOOR, ALL CONDUITS ARE TO BE RUN CONTINUOUS TO THE DOOR ACCESS CONTROL PANEL OR A LOCATION APPROVED BY THE OWNER.
- FOR DOUBLE DOORS, DUPLICATE THE ROUGH-IN.
- DOOR HARDWARE SCHEDULE DETERMINES ACTUAL ROUGH-IN REQUIREMENTS.



2 TYPICAL BOX AND CONDUIT REQUIREMENTS ROUGH-IN DETAIL

SCALE: NTS



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

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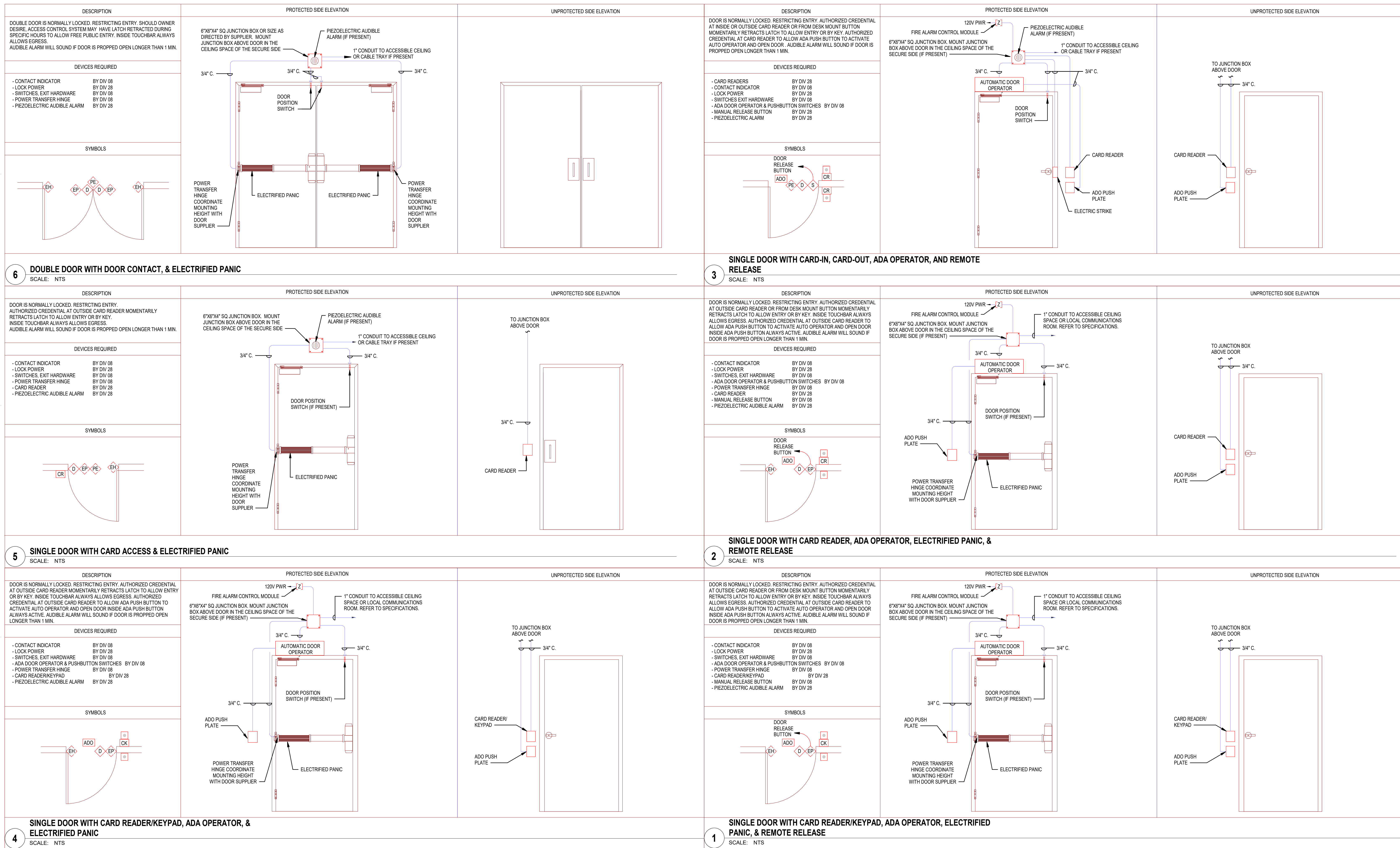
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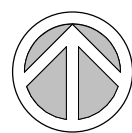
ACCESS CONTROL DOOR ROUGH-IN DETAILS

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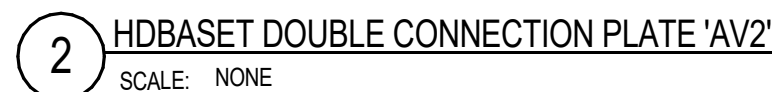
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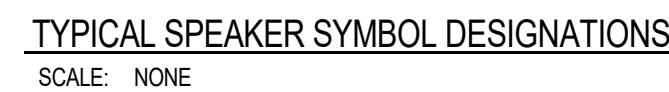
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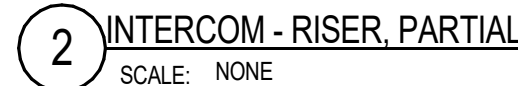
KEYED NOTES

- ## KEYED NOTES

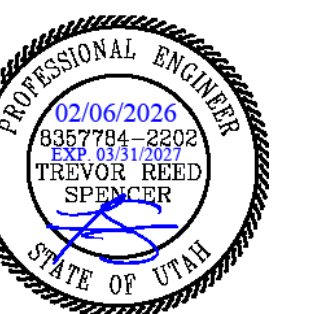
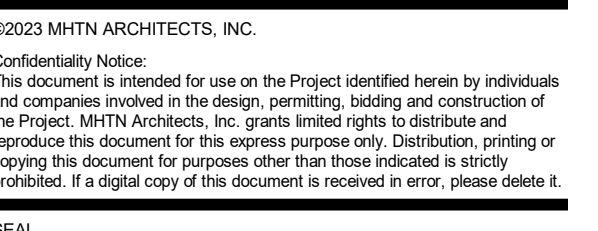




A/R = AS REQUIRED; NIC= NOT IN CONTRACT; NR = NO REQUIREMENT; OFCI = OWNER FURNISHED CONTRACTOR INSTALLED; OFP = OBTAIN FROM PLANS



- AV3 EXISTING INTERCOM RACK WITH 66 BLOCK INTERCONNECTIONS, USED FOR COMMON AREA CABLE CONNECTIONS. DISCONNECT EXISTING CABLES, AND PULL BACK. REMOVE AND RELOCATE RACK TO LOCATION ABOVE NEW FINISHED CEILING. WHEN REINSTALLING RACK, REMOVE CENTER RACK SECTION, AND MOUNT FRONT DOOR TO REAR SECTION, AND RECONNECT SPEAKER CABLES. REFER TO DEMO SHEETS FOR ADDITIONAL NOTES.



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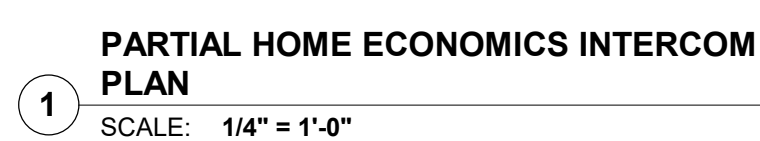
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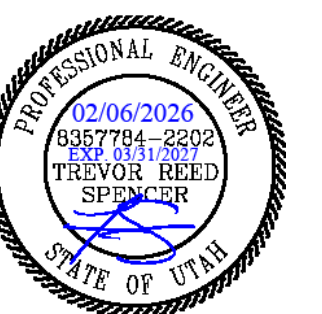


- 11 CONNECT NEW SPEAKER TO NEAREST HALLWAY INTERCOM LINE AT SPEAKER OR VOLUME CONTROL BOX. TAP SPEAKERS IN RESTROOMS AT 1/2 HALL WAY SPEAKER VALUES.



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