

PROJECT:

# TFSD 2023 CAPITAL IMPROVEMENTS PACKAGE 7, RESTROOM REMODEL AT O'LEARY MIDDLE SCHOOL

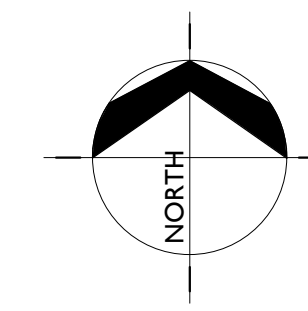
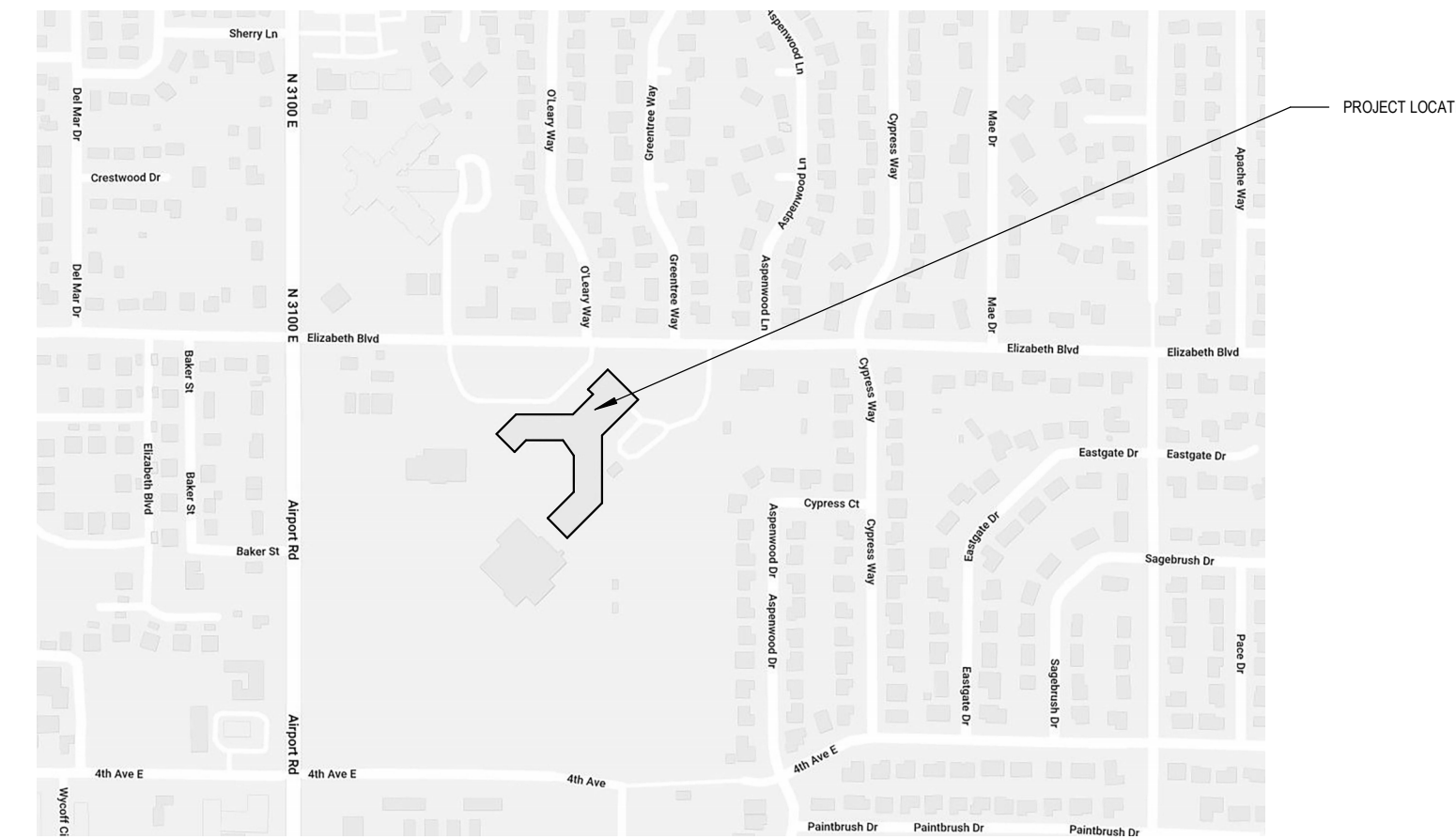
2350 ELIZABETH BLVD  
TWIN FALLS, ID 83301

CLIENT:

TWIN FALLS SCHOOL DISTRICT #411

VICINITY MAP :

H.A. - JOB # 23010-00



**HUMMEL**  
ARCHITECTS

205 N. 10th Street, Suite 300, Boise, Idaho 83702, 208.343.7523  
482 Constitution Way, Suite 111, Idaho Falls, ID 83402, 208.343.7523  
hummlarch.com

CONSULTANTS:

MECHANICAL / ELECTRICAL ENGINEER  
**CATOR RUMA**

A: #1238, 420 S ORCHARD ST, BOISE, ID 83705  
P: 208.343.3663

DRAWING SET:

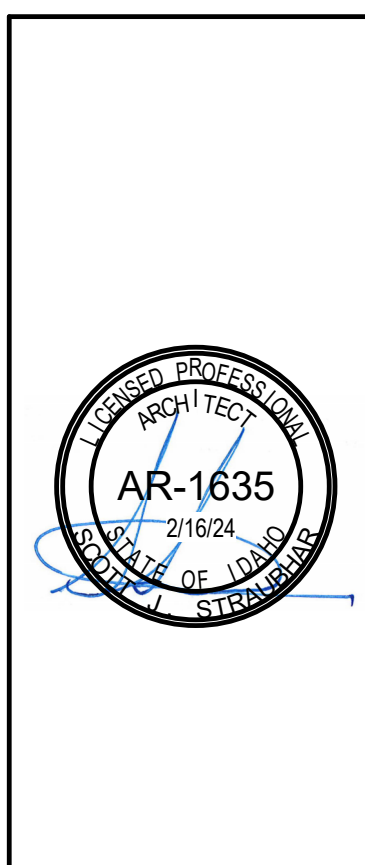
ARCHITECTURAL  
MECHANICAL  
ELECTRICAL

DRAWING INDEX:

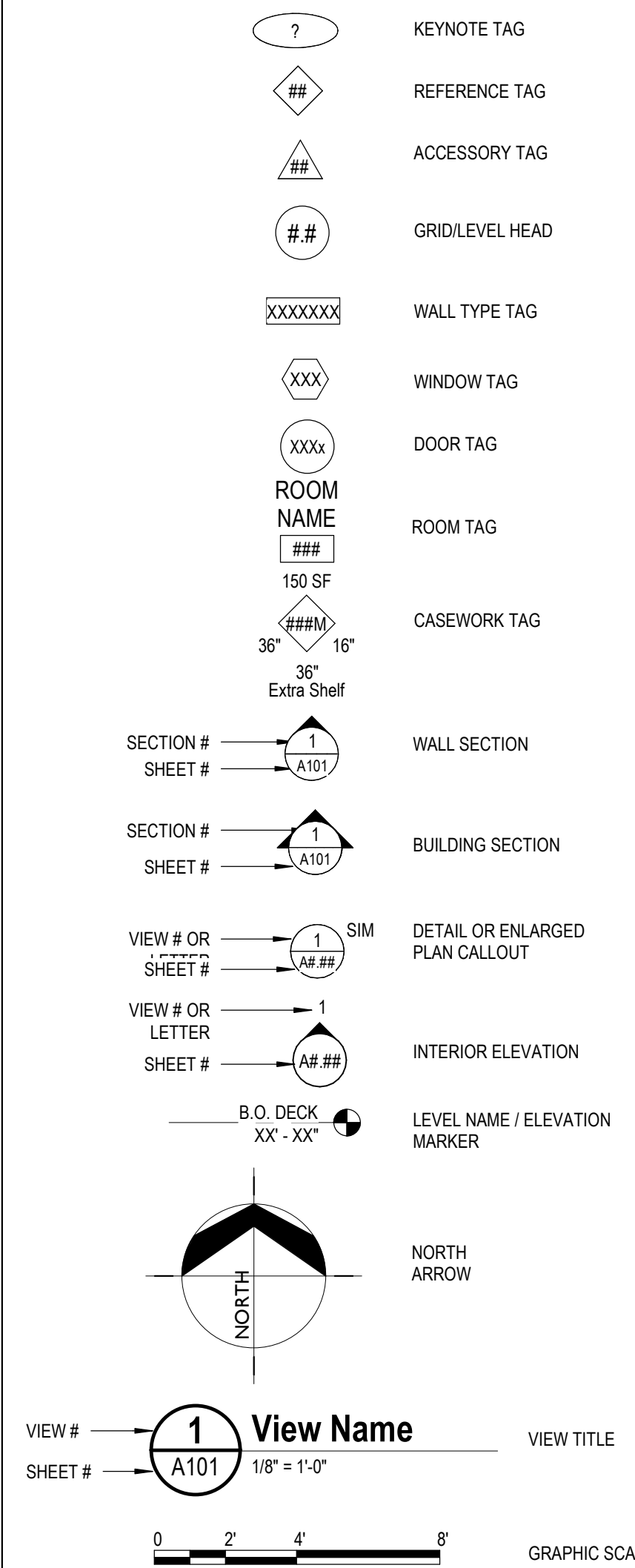
- GENERAL
  - G 0.00 COVER SHEET (DOOR REPLACEMENT)
- ARCHITECTURAL
  - A0.10 O'LEARY MIDDLE SCHOOL - BLDG A FLOOR PLAN
  - A0.11 BLDG B, BLDG C FLOOR PLANS AND DOOR SCHEDULE
- FIRE PROTECTION
  - F0.01 FIRE PROTECTION LEGENDS & NOTES
  - F2.01 LEVEL 1 FIRE PROTECTION PLANS
- MECHANICAL
  - M0.01 MECHANICAL LEGENDS & NOTES
  - M2.01 LEVEL 1 HVAC PLANS
- PLUMBING
  - P0.01 PLUMBING LEGENDS & NOTES
  - P2.01 LEVEL 1 DOMESTIC WATER PLANS
  - P2.11 LEVEL 1 WASTE & VENT PLANS
- ELECTRICAL
  - E0.01 ELECTRICAL LEGENDS & NOTES
  - E0.02 ELECTRICAL SCHEDULES
  - E2.01 RESTROOM REMODEL ELECTRICAL PLANS
  - E3.01 ELECTRICAL DETAILS

**PERMIT SET**

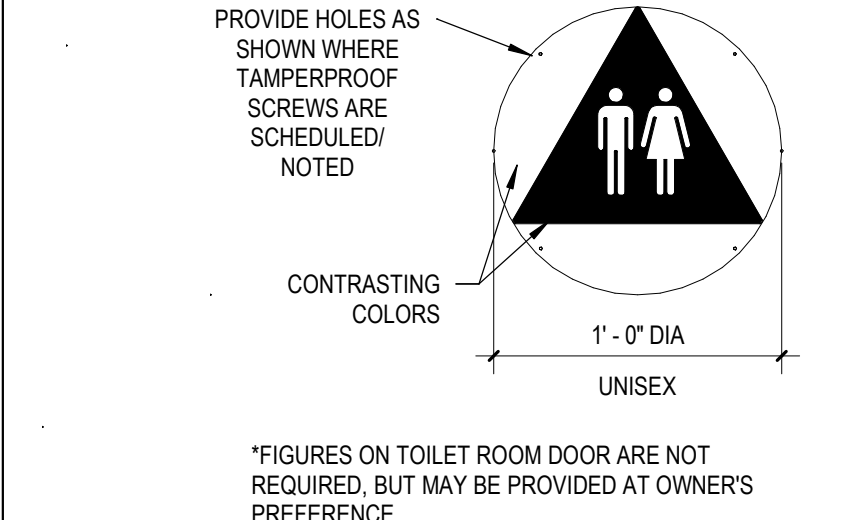
DRAWING SET NO.



SYMBOLS:



NOTE:  
 1. SIGN TYPE IS ACRYLIC WITH SUBSURFACE COLOR  
 2. COLORS ARE AS SELECTED BY ARCHITECT  
 3. BACKGROUND COLOR OF SIGN SHALL CONTRAST WITH DOOR COLOR  
 4. MOUNT ON DOOR AT +5'-0" A.F.F. TO CENTERLINE OF SIGN  
 5. TEXT PER SCHEDULE I AS NOTED



**C1 RESTROOM DOOR SIGNAGE**  
 G0.02 1 1/2" = 1'-0"

ABBREVIATIONS:

#	NUMBER OR POUND	JAN	JANITOR
Ø	DIAMETER	JST	JOIST
∠	ANGLE	JT	JOINT
@	AT	LAB	LABORATORY
&	AND	LAM	LAMINATE
CL	CENTERLINE	LAV	LAVATORY
AB	ANCHOR BOLT	MAT	MATERIAL
ACP	ACOUSTICAL CEILING PANEL	MAX	MAXIMUM
ACT	ACOUSTICAL CEILING TILE	MECH	MECHANICAL
ADJ	ADJUSTABLE	MET	METAL
AFF	ABOVE FINISH FLOOR	MFR	MANUFACTURER
ALUM	ALUMINUM	MIN	MINIMUM
ANOD	ANODIZED	MISC	MISCELLANEOUS
APPROX	APPROXIMATE	ML	MEASURING LINE
ASSOC	ASSOCIATED	MO	MASONRY OPENING
AWP	ACOUSTICAL WALL PANEL	MTD	MOUNTED
AWV	ACOUSTICAL WALL SYSTEM	MTG	MOUNTING
BD	BOARD	NA	NOT APPLICABLE
BFC	BROOM FINISH CONCRETE	NB	NO BASE (EXPOSED)
BLDG	BUILDING	NC	NEW CONCRETE
BLKG	BLOCKING	NIC	NOT IN CONTRACT
BM	BEAM	NM	NEW MASONRY
BO	BOTTOM OF	NO	NUMBER
BOT	BOTTOM	NOM	NOMINAL
BRC	BEARING	NTS	NOT TO SCALE
BMT	BASEMENT	OC	ON CENTER
BTWN	BETWEEN	OD	OUTSIDE DIAMETER
CAB	CABINET	OFF	OFFICE
OPT	CARPET	OFCL	OWNER FURNISHED/ CONTRACTOR INSTALLED
CLIP	CAST-IN-PLACE	OFIG	OWNER FURNISHED/ OWNER INSTALLED
CJ	CONTROL JOINT	OPNG	OPENING
CL	CENTERLINE	OTA	OPEN TO ABOVE
CLG	CEILING	OTS	OPEN TO STRUCTURE
CMU	CONCRETE MASONRY UNITS	OVF	OVERFLOW
CO	COLUMN	PC	PAINT COLOR
CONC	CONCRETE	P.I.V.	POST INDICATOR VALVE
CONST	CONSTRUCT	PLAST	PLASTIC
CONT	CONTINUOUS	PLYWD	PLYWOOD
CSK	COUNTERSINK	PR	PAIR
CSK	COUNTERSINK	R	THERMAL RESISTANCE
CMT	CERAMIC MOSAIC TILE	REFL	REFLECTED CEILING PLAN
CQT	CERAMIC QUARRY TILE	RD	ROOF DRAIN
CWB	CERAMIC WALL BASE	RDL	RAIN DRAIN LEADER
DBL	DOUBLE	RE	REFERENCE
DEPT	DEPARTMENT	REFRIG	REFRIGERATOR
DT	DETAIL	REINF	REINFORCING
DF	DRINKING FOUNTAIN	REQ	REQUIRED
DIA	DIAMETER	RF	EPOXY FLOOR SYSTEM
DIM	DIMENSION	RM	ROOM
DN	DOWN	RO	ROUGH OPENING
DS	DOWNSPOUT	RST	RUBBER STAR TREADS
EA	EACH	RW	REDWOOD
EJ	EXPANSION JOINT	RWB	RUBBER WALL BASE
ELEC	ELECTRICAL	RWC	RAIN WATER CONDUCTOR
ELEV	ELEVATION	SC	SEALED CONCRETE
EP	EPOXY PAINT	SCHED	SCHEDULE
EQ	EQUAL	SCW	SOLID CORE WOOD
EQUIP	EQUIPMENT	SGWB	SUSPENDED GYPSUM WALL BOARD
ESTR	EXPOSED STRUCTURE (NEW OR EXISTING)	SHT	SHEET
EFIS	EXTERIOR INSULATION & FINISH SYSTEM	SHTG	SHEATHING
EXIST	EXISTING	SIM	SIMILAR
EXP	EXPANSION	SIM	SIMILAR
EXT	EXTERIOR	SIM	SIMILAR
FD	FLOOR DRAIN	SIM	SIMILAR
F.D.C.	FIRE DEPARTMENT CONNECTION	SIM	SIMILAR
FB	FIRE BLANKET	SIM	SIMILAR
FE	FIRE EXTINGUISHER	SIM	SIMILAR
FF	FACTORY FINISH	SIM	SIMILAR
F.H.	FIRE HYDRANT	SIM	SIMILAR
FIN	FINISH	SIM	SIMILAR
FL	FLOOR LINE	SIM	SIMILAR
FLR	FLOOR	SIM	SIMILAR
FND	FOUNDATION	SIM	SIMILAR
FOF	FACE OF FINISH	SIM	SIMILAR
FOS	FACE OF STUDS	SIM	SIMILAR
FT	FEET	SIM	SIMILAR
FTG	FOOTING	SIM	SIMILAR
FV	FIELD VERIFY	SIM	SIMILAR
GA	GAUGE	SIM	SIMILAR
GALV	GALVANIZED	SIM	SIMILAR
GB	GYPSUM BOARD	SIM	SIMILAR
GYP.BD.	GYPSUM BOARD	SIM	SIMILAR
HAS	HEAD ANCHOR STUD	SIM	SIMILAR
HCW	HOLLOW CORE WOOD	SIM	SIMILAR
HM	HORIZONTAL	SIM	SIMILAR
HORIZ	HORIZONTAL	SIM	SIMILAR
HT	HEIGHT	SIM	SIMILAR
HW	HARDWOOD	SIM	SIMILAR
ICMU	INTEGRAL COLORED CONCRETE MASONRY UNITS	SIM	SIMILAR
ID	INSIDE DIAMETER	SIM	SIMILAR
INSUL	INSULATION	SIM	SIMILAR
INT	INTERIOR	SIM	SIMILAR
INV	INVERT	SIM	SIMILAR
		W	WITH
		WC	WATER CLOSET
		WD	WOOD
		WF	WALL FABRIC
		WH	WATER HEATER
		WM	WALK-OFF MAT
		WO	WITH OUT
		WP	WATERPROOF
		WRGB	WATER RESISTANT GYPSUM BOARD
		WT	WEIGHT
		WWF	WELED WIRE FABRIC

MASTER KEYNOTES:

Keynote #	Keynote Text
042000.A	FLEXIBLE FLASHING
042000.B	WEEP VENT MATERIAL
042000.L	CAVITY DRAINAGE MATERIAL
055000.C	STEEL TUBE
055000.D	STEEL TUBE
061000.A	DIMENSION LUMBER
061000.D	APA RATED SHEATHING
061000.D	SHIM TO EXISTING HEADER
061600.B	GLASS-MAT GYPSUM SHEATHING
072100.B	UNFACED BLANKET INSULATION
072100.E	FOL FACED POLYISOCYANURATE FOAM-PLASTIC BOARD INSULATION
072500.A	WEATHER RESISTIVE BARRIER
072500.B	VAPOR BARRIER
072500.C	SELF ADHERED FLEXIBLE FLASHING
072500.D	LIQUID SPRAY FLASHING AND SEALANT
078200.E	FLASHING AND DRIP EDGE
079200.B	JOINT SEALANT
079200.C	JOINT SEALANT BACKING
081113.A	HOLLOW METAL FRAME
082116.23.A	NON-LOAD BEARING STEEL FRAMING
092900.D	GYPSUM BOARD TYPE X
092900.E	EXTERIOR RATED GYPSUM GLASS MAT
093013.B	METAL EDGE STRIP ACCESSORY
093013.C	METAL COVE BASE
096113.B	RESILIENT MOLDS ACCESSORY
096113.A	WM-1 WALK-OFF MAT CARPET TILING
099123.A	INTERIOR PAINT
101423.A	PANEL SIGNAGE
113013.C	O.F.D.I. REFRIGERATOR/FREEZER
113013.I	O.F.D.I. MICROWAVE

CODE CONFORMANCE:

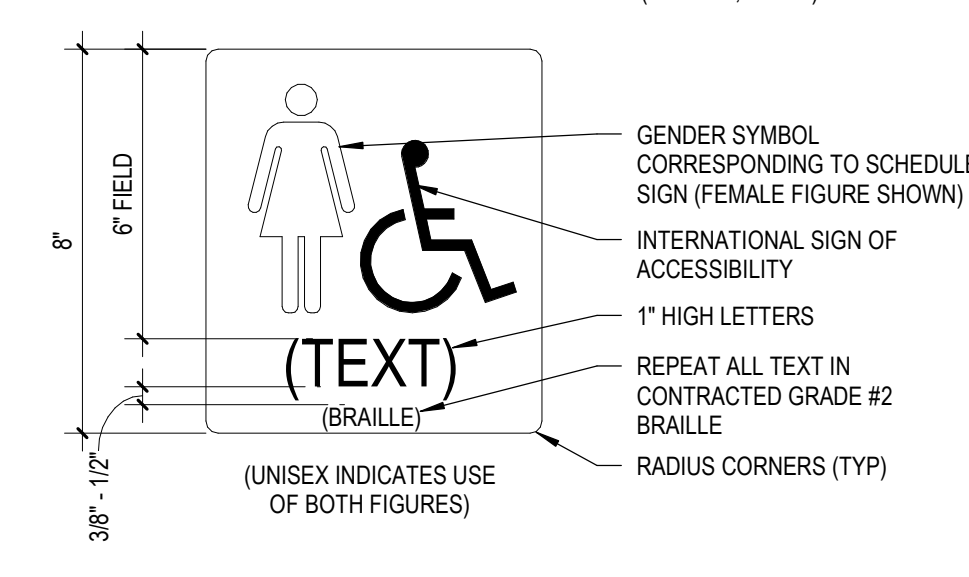
**APPLICABLE CODES**

- 2017 NATIONAL ELECTRICAL CODE
- 2017 IDAHO STATE PLUMBING CODE
- 2015 INTERNATIONAL BUILDING CODE
- 2015 INTERNATIONAL FIRE CODE
- 2015 INTERNATIONAL EXISTING BUILDING CODE
- 2015 INTERNATIONAL ENERGY CONSERVATION CODE
- 2012 INTERNATIONAL MECHANICAL CODE
- 2012 INTERNATIONAL FUEL GAS CODE
- 2009 ICC A117.1-2009 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
- 1997 UNIFORM CODE FOR THE ABATEMENT OF DANGEROUS BUILDINGS

**VERA C O'LEARY MIDDLE SCHOOL**

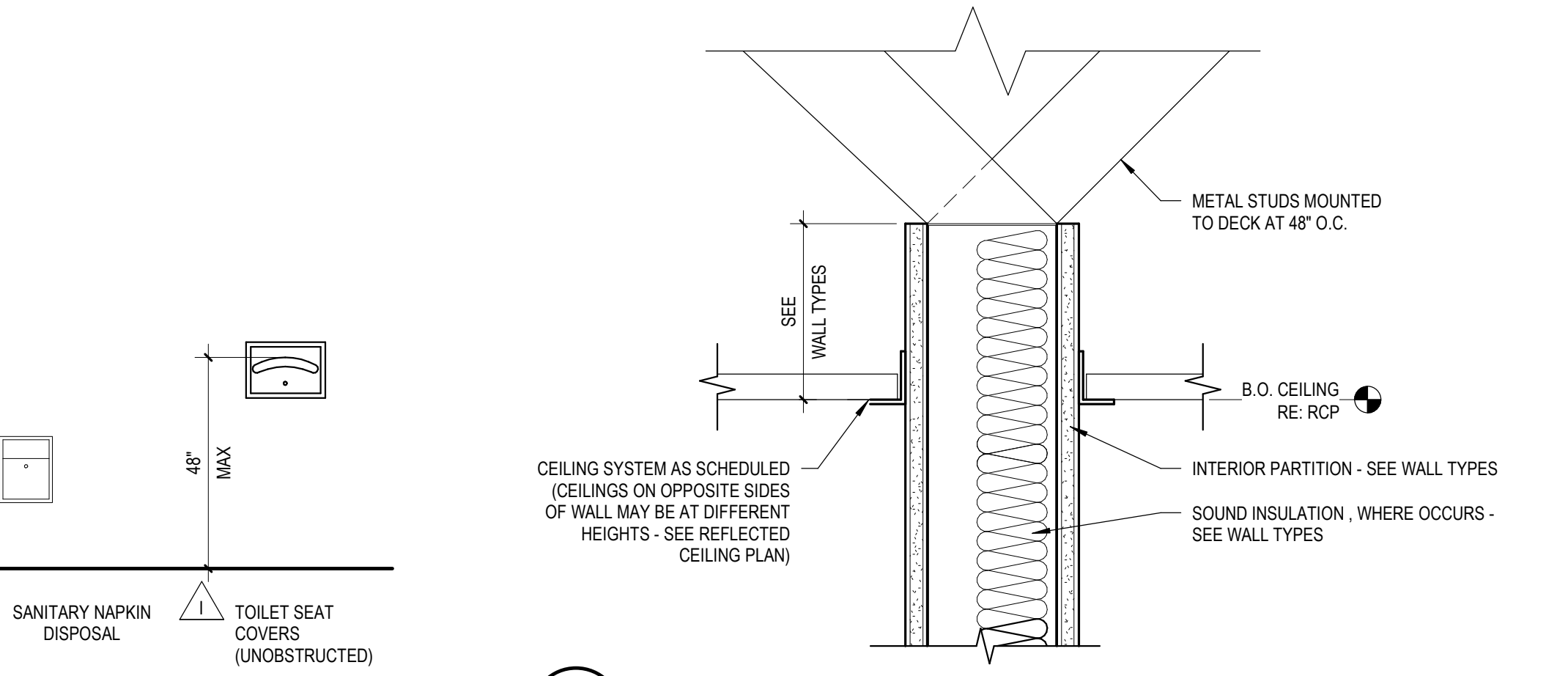
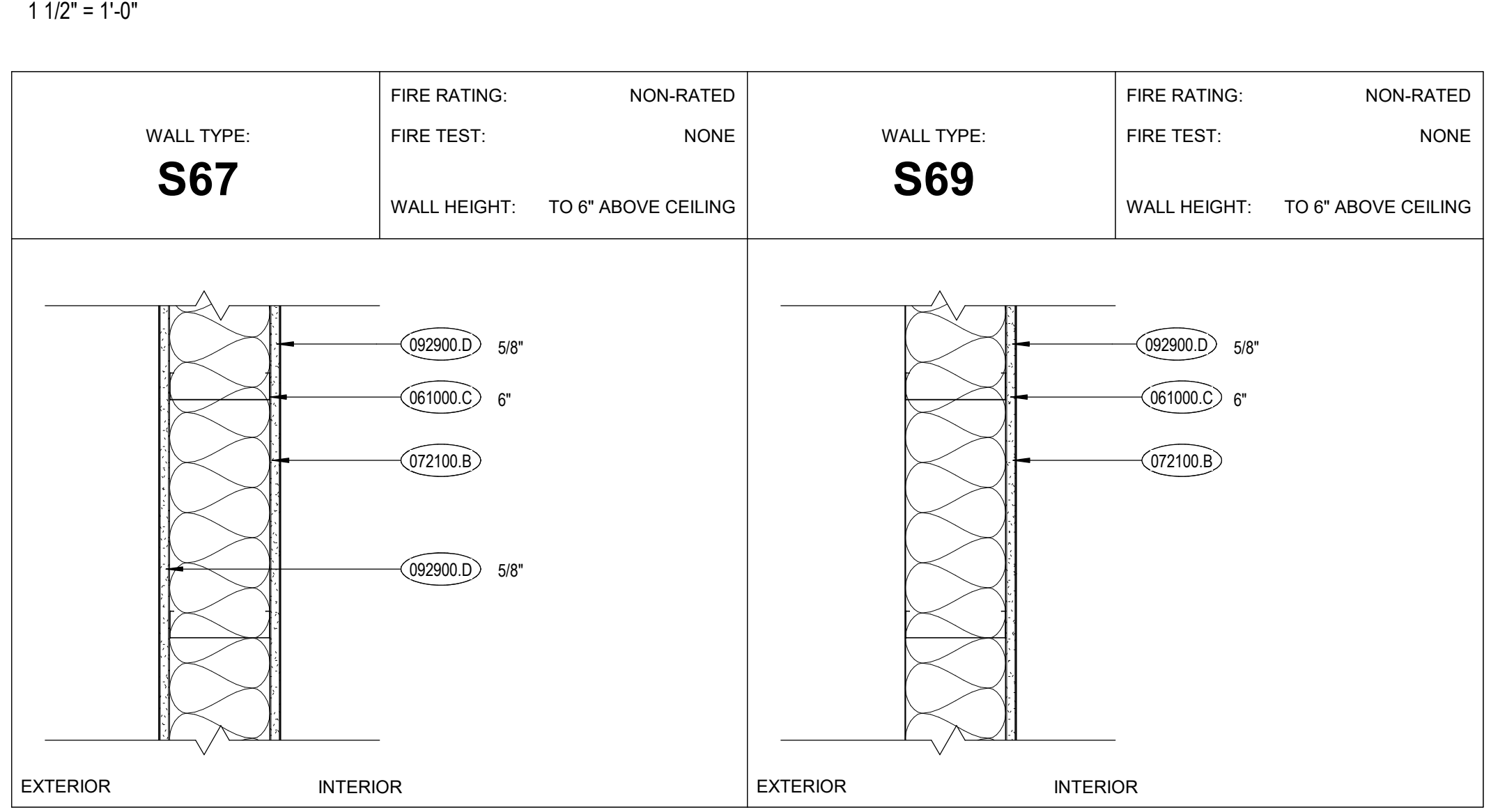
EXISTING SCHOOL  
 OCCUPANCY TYPE: E CONSTRUCTION TYPE: III-A (FULLY SPRINKLERED)  
 PROJECT DESCRIPTION: A TENANT IMPROVEMENT TO THE EXISTING VESTIBULE AND ADMINISTRATION AREA.  
 OCCUPANT LOAD: UNCHANGED

NOTES:  
 1. SIGN IS ENGRAVED LAMINATED ACRYLIC  
 2. TEXT PER SIGNAGE SCHEDULE  
 3. MOUNT ON WALL AT LATCH SIDE OF DOOR WITHIN 12" OF OPENING AND AT +5'-0" A.F.F. TO CENTERLINE OF SIGN (TYPICAL, U.O.N.)



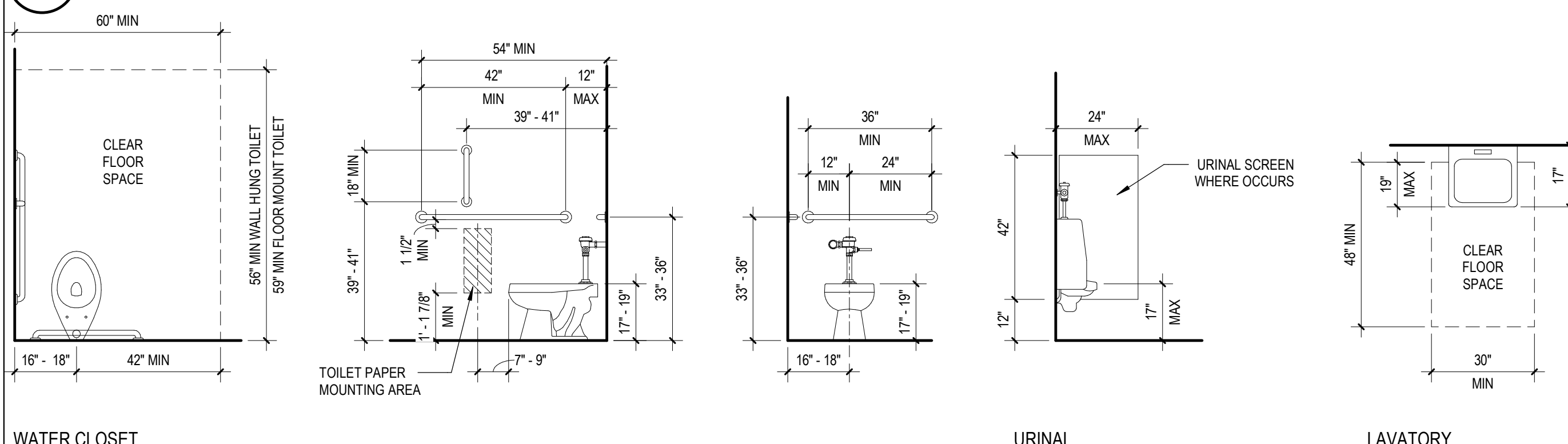
**B4 SIGN - RESTROOM WALL**  
 G0.02 3" = 1'-0"

WALL TYPES (RESTROOM REMODEL)

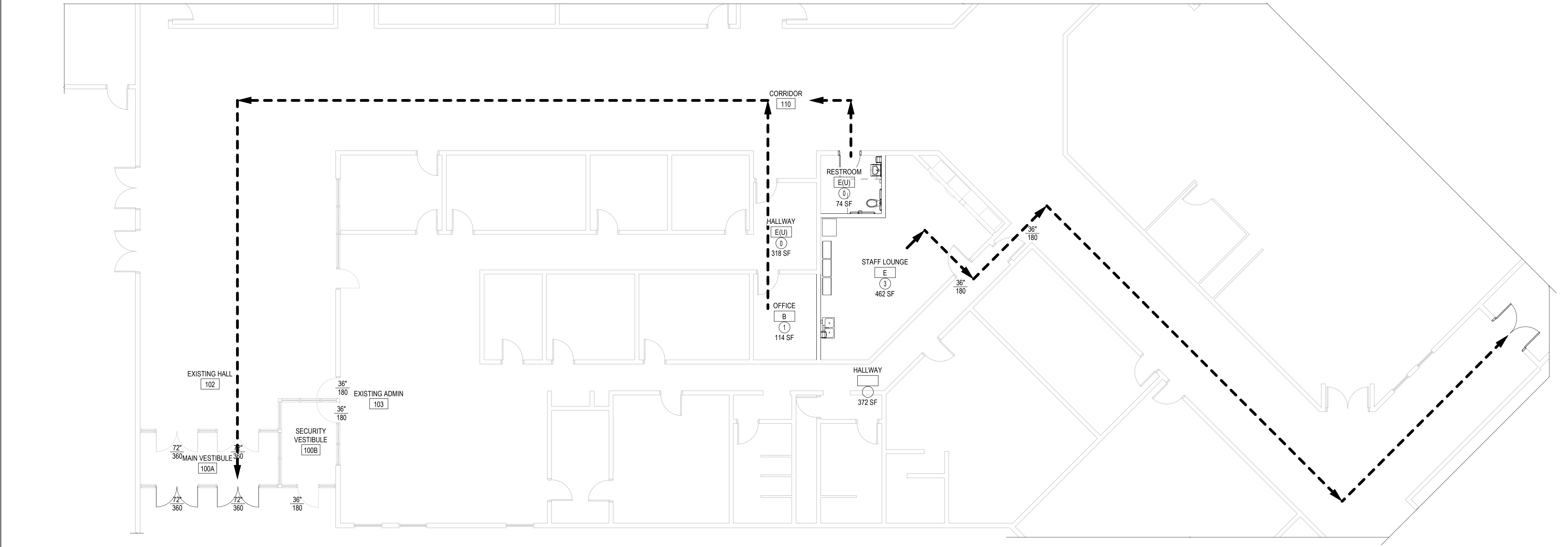


**A5 TYP. SEISMIC BRACING**  
 G0.02 12" = 1'-0"

3 TYPICAL ACCESSORIES MOUNTING HEIGHTS



**C3 ACCESSIBLE FIXTURE CLEARANCE REQUIREMENTS**  
 G0.02 3/8" = 1'-0"



**E1 O'LEARY - EXITING & OCCUPANY PLAN**  
 G0.02 1/8" = 1'-0"

**LEGEND**

- WIDTH OF EGRESS COMPONENT
- DIRECTION OF EXITING
- OCCUPANCY LOAD PER IBC TABLE 1004.1.1
- OCCUPANT CAPACITY OF EGRESS COMPONENT
- NUMBER AND DIRECTION OF OCCUPANTS EXITING THRU THE ROOM OPENING

**HUMMEL ARCHITECTS**

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**Project:**  
 TFSD 2023 CAPITAL IMPROVEMENTS PACKAGE 7, RESTROOM REMODEL AT O'LEARY MIDDLE SCHOOL

2350 ELIZABETH BLVD  
 TWIN FALLS, ID 83301

**Sheet:**  
 DRAWING INFORMATION

**PERMIT SET**

Professional Engineer Seal: AR-1635, 2/16/24, State of Idaho, Mechanical Engineering.

Project No: 23010-00  
 Drawn By: KT  
 Checked By: PR  
 Date: 2/23/2024

Sheet No: **G0.02**

**SCHEDULE - DOOR - O'LEARY - RESTROOM**

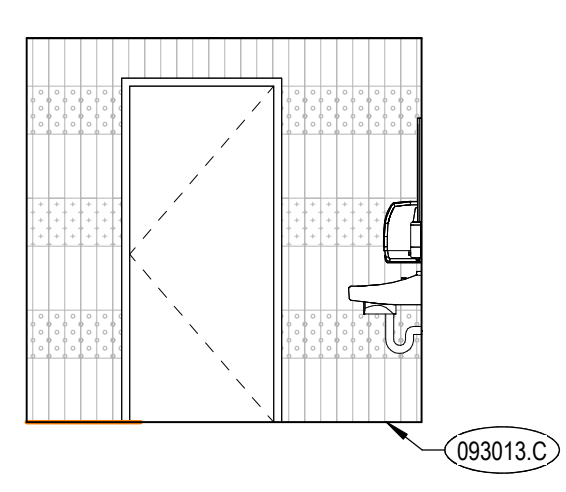
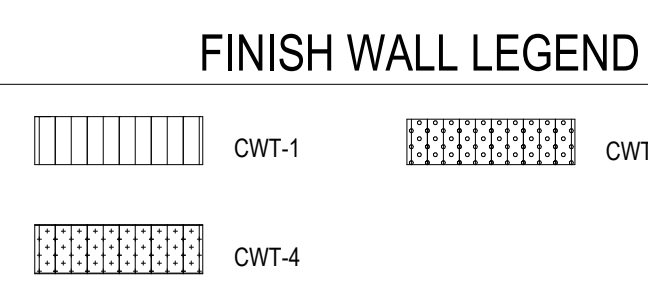
DOOR #	TYPE	DOOR			FRAME				DOOR HARDWARE	REMARKS
		WIDTH	HEIGHT	MATERIAL	FINISH	TYPE	MATERIAL	FINISH		
(E) 112	F	3'-0"	7'-0"	EXIST HM	EXIST	EXIST	EXIST HM	EXIST	EXIST	
(E) 113	F	3'-0"	7'-0"	EXIST HM	EXIST	EXIST	EXIST HM	EXIST	EXIST	
(E) 115	F	3'-0"	7'-0"	EXIST HM	EXIST	EXIST	EXIST HM	EXIST	EXIST	
111	F	3'-0"	7'-0"	FLUSH WOOD	MATCH EXIST	HM01	HM	MATCH EXIST	HW-14	

**HM SET 14**  
 For set see Ref: 111

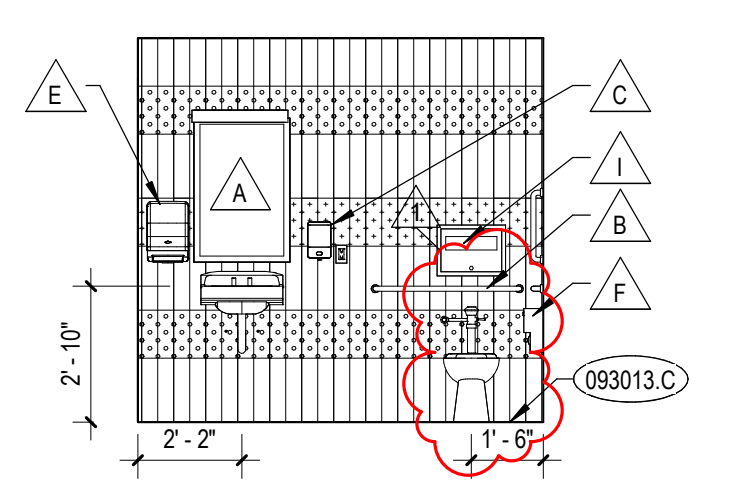
**Finish Notes:**

1	EA	HINGE	881 4 1/4	002	VE
1	EA	HYDROBLOC W/NO	881 4 1/4	002	VE
1	EA	SURFACE CLOSER	404P/2CA	008	LN
1	EA	WOODRACK	881 4 1/4	002	VE
1	EA	WALL STOP	881 4 1/4	002	VE
1	EA	DOORSTOP	881 4 1/4	002	VE

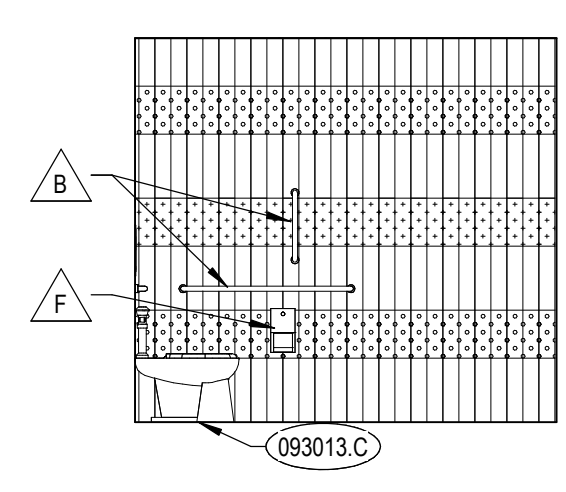
DOOR IS SUPPLIED UNCOATED AND FINISH TO BE GIVEN BY TRADE.  
 USE APPROVED REGIONAL WOODS AND FINISHES. MATCH EXISTING THE DEAD BOLT AND CHANGING THE LOCKING SYSTEM TO A MORE DURABLE SYSTEM.  
 USE APPROVED WOODS FOR SHALVARIABLEY. PROTECTING THE LATHE AND DEAD BOLT AND RETURNING THE DOOR TO ORIGINAL CONDITION.  
 EMERGENCY EGRESS WHEN OCCUPIED BY 101



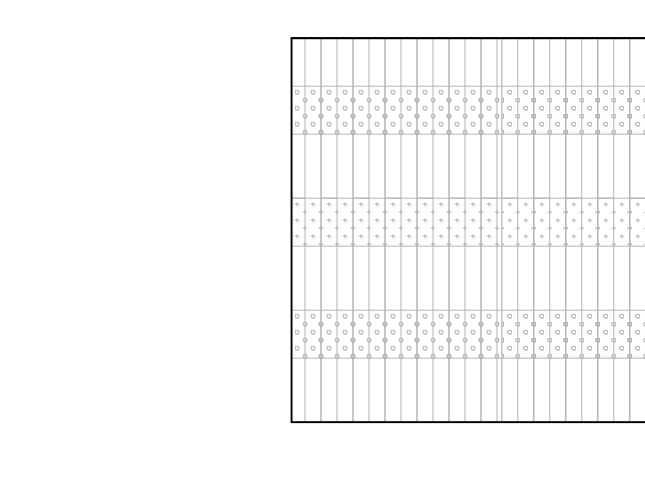
**A3 RESTROOM 111 NORTH**  
 A2.01 1/4" = 1'-0"



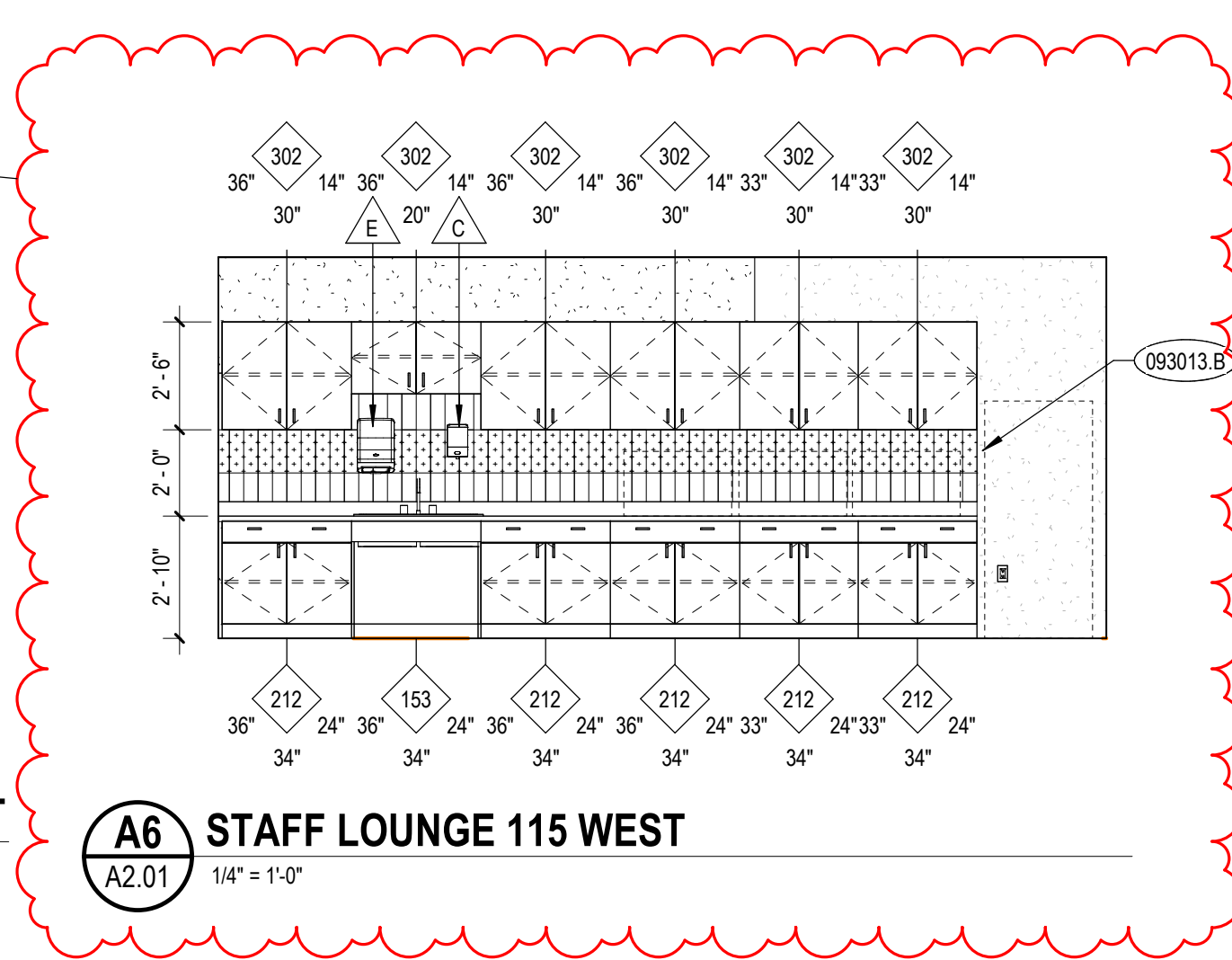
**A4 RESTROOM 111 EAST**  
 A2.01 1/4" = 1'-0"



**A4.5 RESTROOM 111 SOUTH**  
 A2.01 1/4" = 1'-0"

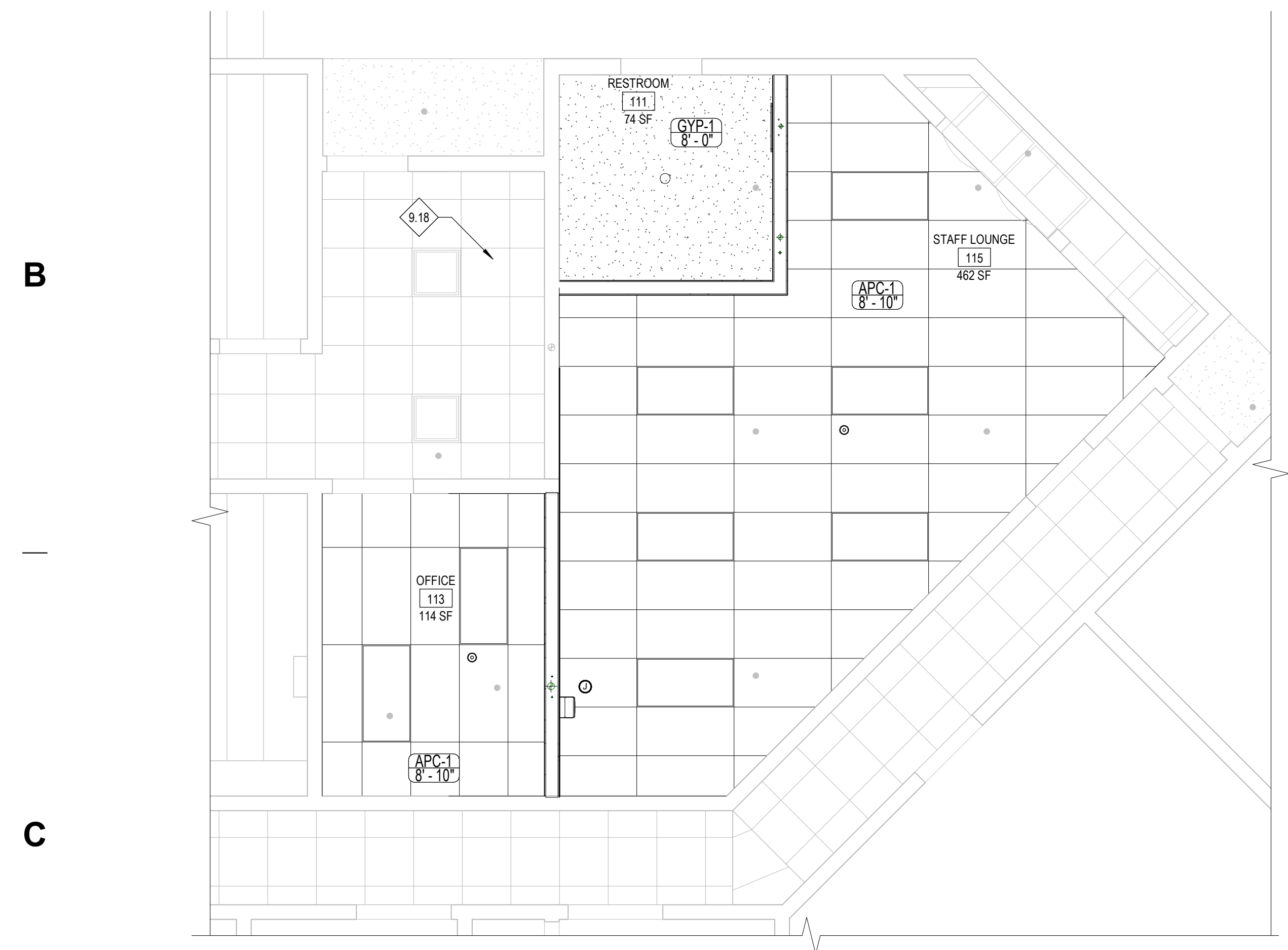


**A5 RESTROOM 111 WEST**  
 A2.01 1/4" = 1'-0"

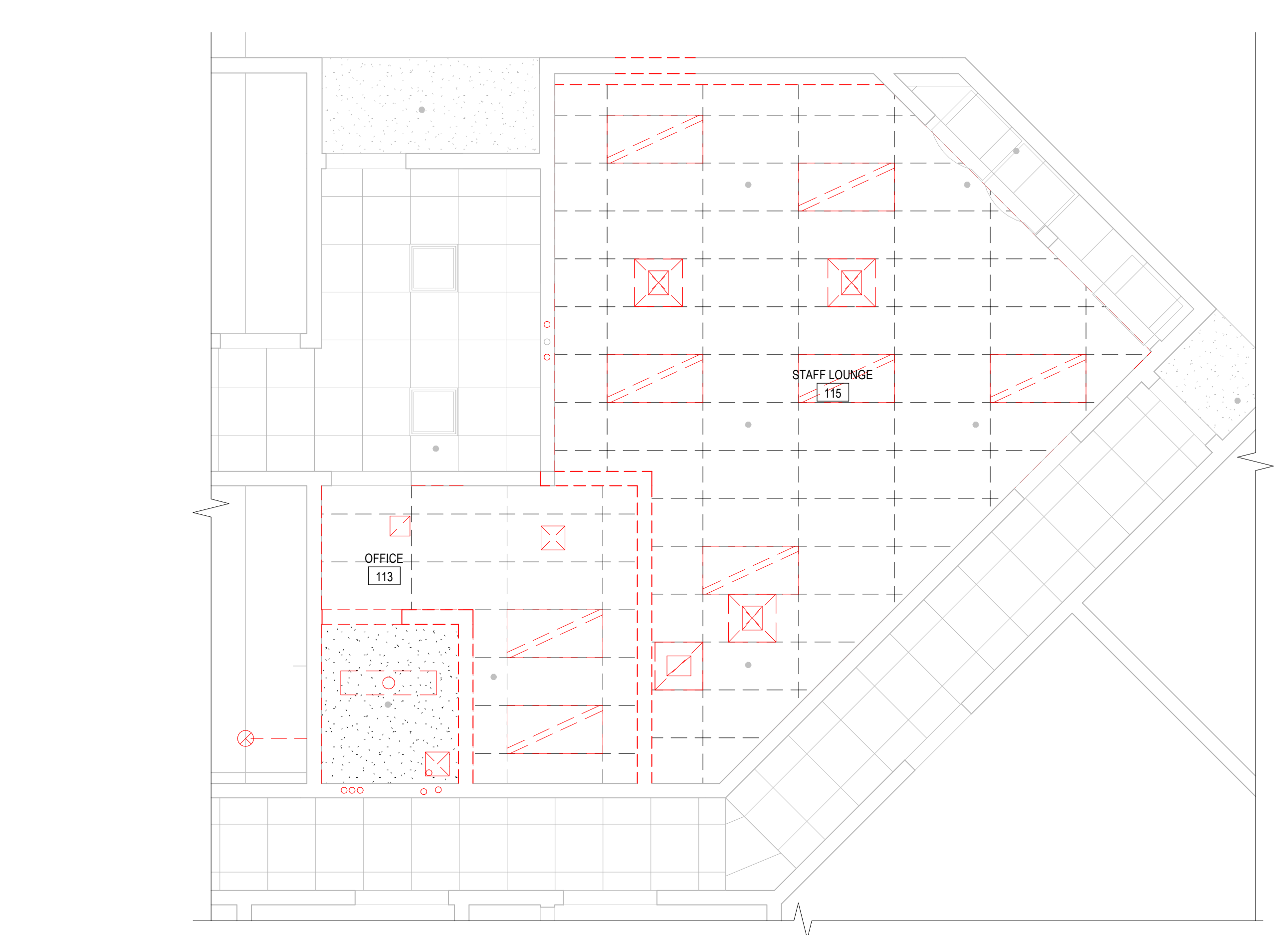


**A6 STAFF LOUNGE 115 WEST**  
 A2.01 1/4" = 1'-0"

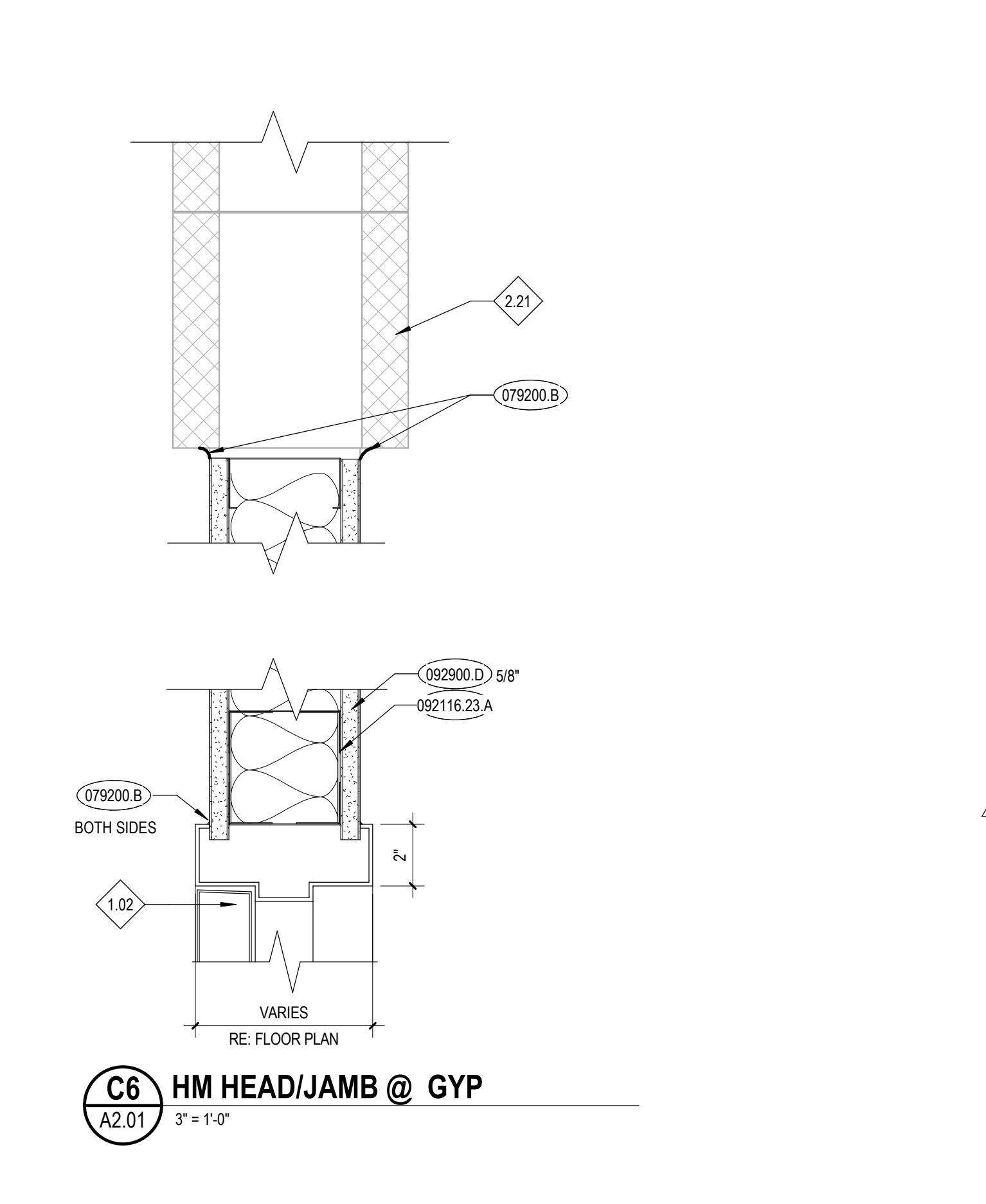
- KEYNOTES**
- 079200.B JOINT SEALANT
  - 092116.23.A NON-LOAD-BEARING STEEL FRAMING
  - 092000.D GYPSUM BOARD TYPE X
  - 093013.B METAL EDGE STRIP ACCESSORY
  - 093013.C METAL COVE BASE
  - 113013.C O.F.O.I. REFRIGERATOR/FREEZER
  - 113013.I O.F.O.I. MICROWAVE
- REFERENCE NOTES**
- 1.02 RE: FLOOR PLAN FOR WALL TYPES
  - 1.15 ALIGN NEW WALL WITH EXISTING WALL
  - 2.17 PRESERVE AND PROTECT EXISTING SODA & VENDING MACHINES
  - 2.21 EXISTING WALL ASSEMBLY
  - 2.25 CONTRACTOR TO VERIFY EXISTING CONDITIONS. REMOVE POCKET DOOR ON HALLWAY SIDE. CONTRACTOR RESPONSIBLE FOR PROTECTING ADJACENT WORK AND MEANS AND METHODS DURING DEMO AND CONSTRUCTION.
  - 2.58 REMOVE EXISTING CASEWORK AND ALL ASSOCIATED ITEMS
  - 3.04 CONTRACTOR TO PATCH EXISTING CONCRETE FLOOR AFTER REMOVAL OF PLUMBING ITEMS FOR A FLUSH FINISH TO INSTALL NEW FLOORING.
  - 9.18 PROVIDE NEW CEILING TILE TO MATCH WHERE NECESSARY
- REMARKS**
- 1. RE: INTERIOR ELEVATIONS FOR PAINT LOCATIONS
  - 2. RE: INTERIOR ELEVATIONS FOR PORCELAIN WALL TILE LOCATIONS
  - 3. SEE FLOOR FINISH PLAN FOR LOCATIONS OF FLOOR MATERIALS.
- GENERAL NOTES**
- UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE TO THE FACE OF STUDS FOR GYW WALLS / PARTITIONS
  - UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE TO FACE OF FINISHED MASONRY FOR CMU
  - UNLESS NOTED OTHERWISE, ALL GYW WALLS SHALL HAVE A 6" STUD FRAME RETURN AT ALL DOOR AND WINDOW JAMBS
  - RE: SHEET 00.02 FOR BUILDING OCCUPANCY PLANS AND FIRE RESISTIVE CONSTRUCTION REQUIREMENTS
  - RE: ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION ON FLOOR FINISHES
  - RE: DIVISION 9, SECTION "RESILIENT WALL BASE AND ACCESSORIES" FOR TRANSITIONS AND OTHER FLOORING ACCESSORIES
  - SCREENED LINES REPRESENT EXISTING WALLS, DOORS, WINDOWS, ETC. TO REMAIN. PROTECT FROM DAMAGE DURING CONSTRUCTION ACTIVITIES
  - SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK
  - COORDINATE THE DEMOLITION OF EXISTING CEILING WITH NEW PLANS AND REFLECTED CEILING PLANS
  - COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL ITEMS TO BE PROVIDED AT THE CEILING PLANE AND IN THE WORK
  - CENTER ALL LIGHT FIXTURES AND SPRINKLER HEADS IN THEIR RESPECTIVE CEILING PANEL
  - INSTALL ALL SUSPENSION SYSTEMS FOR ACOUSTICAL PANEL CEILING PER PROVISIONS OF ASTM C 635 AND ASTM C 636
  - ALL SOFFIT DIMENSIONS SHOWN ARE TO FACE OF FINISH
  - COORDINATE WITH MECHANICAL & ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR PHYSICAL SIZES OF ALL CEILING GRILLES, DIFFUSERS, FIXTURES, CANS, AND ALL RELATED ITEMS
  - SUSPENSION SYSTEMS FOR GYPSUM BOARD CEILING SHALL BE INSTALLED PER THE SPECIFICATIONS AND ASTM C754
  - CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY IF CLEARANCES AND ABAD REQUIREMENTS ARE NOT ACHIEVED
  - CONTRACTOR TO PATCH TO ADJACENT FINISHES AT TRANSITIONS BETWEEN EXISTING AND NEW WORK
  - SEE A2.02 FOR TYPICAL CEILING DETAILS
- LEGEND**
- XXXX DOOR SYMBOL, RE: DOOR SCHEDULE, SHEET A7.01
  - FIRE EXTINGUISHER CABINET, RE: DIVISION 10 - SPECIALTIES 10 AND SHEET 00.02
  - EXISTING WALL SYSTEM TO REMAIN - PROTECT FROM DAMAGE DURING CONSTRUCTION
  - EXISTING WALL SYSTEM TO BE REMOVED
  - EXISTING DOOR SYSTEM TO REMAIN - PROTECT FROM DAMAGE DURING CONSTRUCTION
  - EXISTING DOOR SYSTEM TO BE REMOVED
  - EXISTING LIGHTING FIXTURE - TO REMAIN
  - NEW LIGHTING FIXTURE
  - IMPACT RESISTANT SAFETY GLAZING
  - EXISTING CEILING PANELS
  - APC-1 NEW CEILING PANELS BASIS OF DESIGN: ARMSTRONG SCHOOL ZONE FINE FISSURED



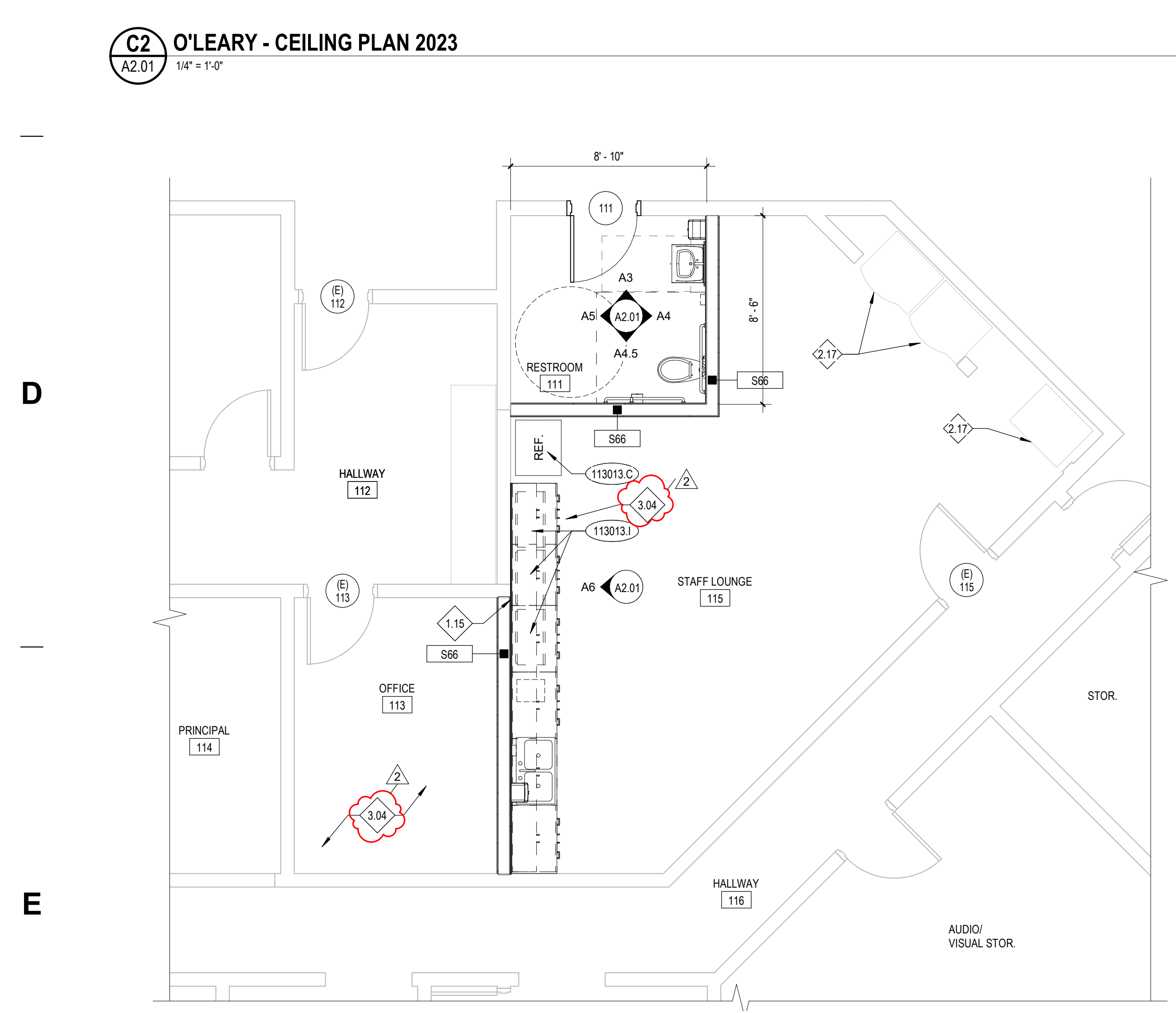
**C2 O'LEARY - CEILING PLAN 2023**  
 A2.01 1/4" = 1'-0"



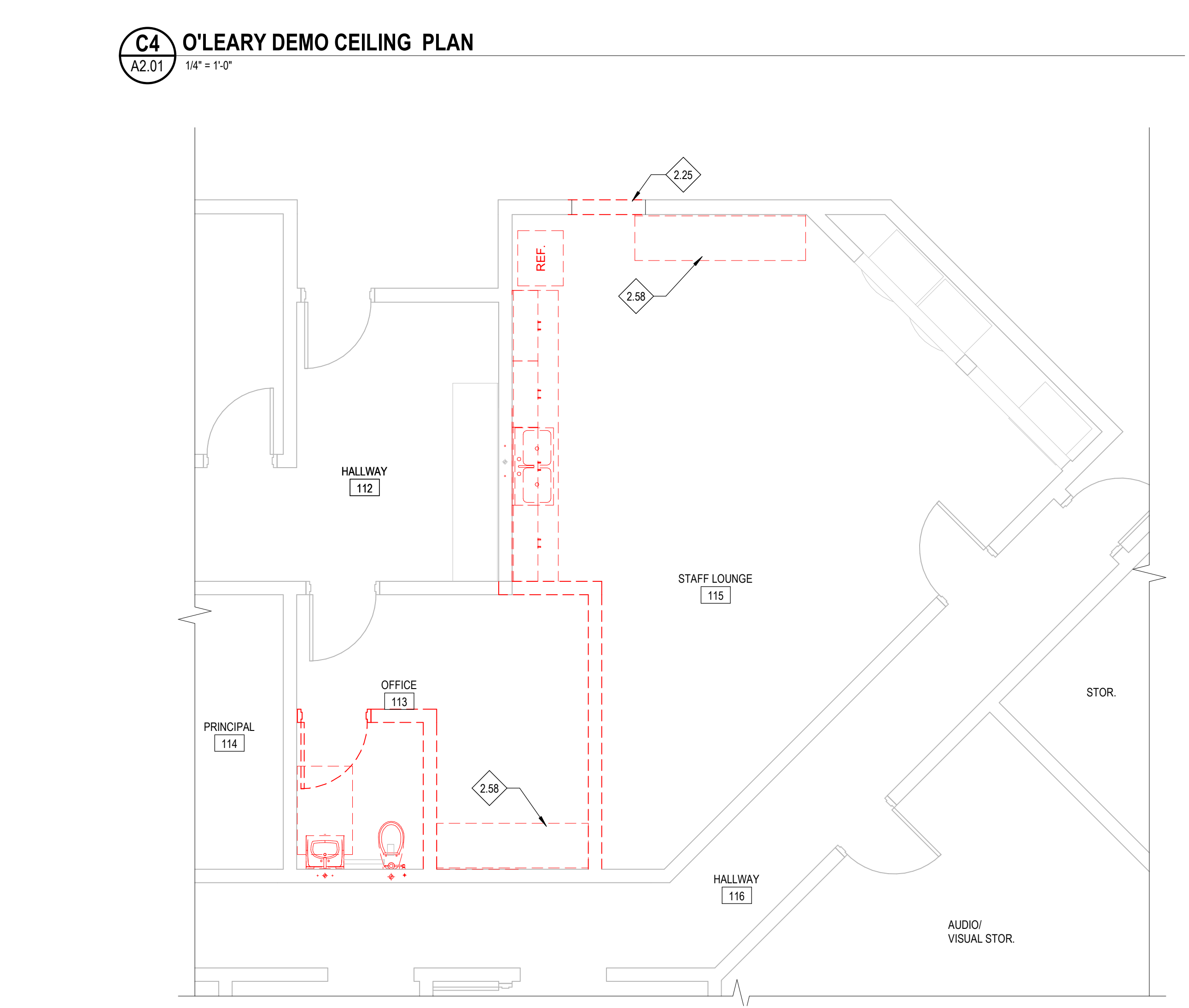
**C4 O'LEARY DEMO CEILING PLAN**  
 A2.01 1/4" = 1'-0"



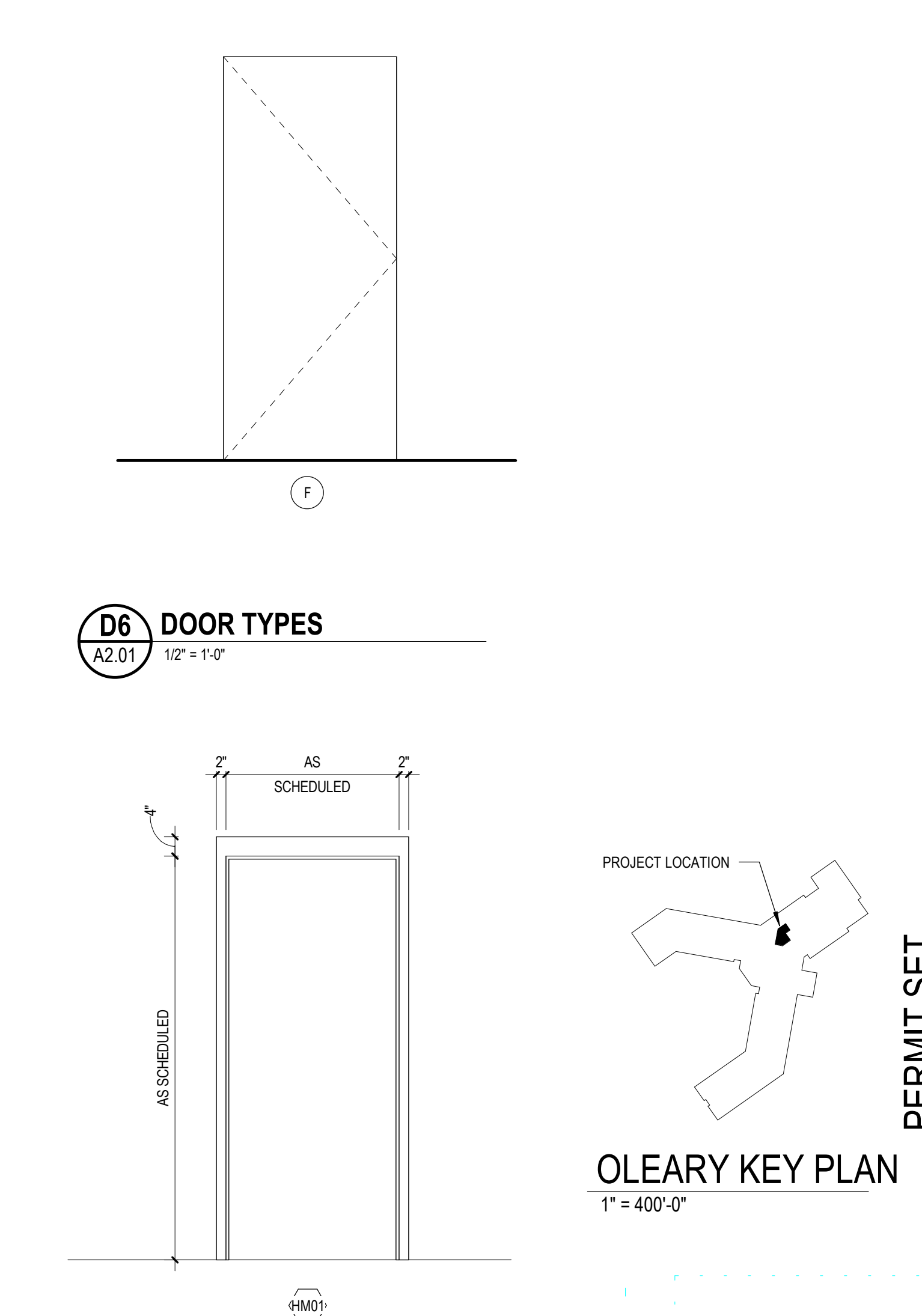
**C6 HM HEAD/JAMB @ GYP**  
 A2.01 3" = 1'-0"



**E2 BLDG A-LEVEL 01 - RESTROOM REMODEL FLOOR PLAN**  
 A2.01 1/4" = 1'-0"



**E4 BLDG A-LEVEL 01 - RESTROOM REMODEL DEMO PLAN**  
 A2.01 1/4" = 1'-0"



**D6 DOOR TYPES**  
 A2.01 1/2" = 1'-0"

- LEGEND**
- XXXX DOOR SYMBOL, RE: DOOR SCHEDULE, SHEET A7.01
  - FIRE EXTINGUISHER CABINET, RE: DIVISION 10 - SPECIALTIES 10 AND SHEET 00.02
  - EXISTING WALL SYSTEM TO REMAIN - PROTECT FROM DAMAGE DURING CONSTRUCTION
  - EXISTING WALL SYSTEM TO BE REMOVED
  - EXISTING DOOR SYSTEM TO REMAIN - PROTECT FROM DAMAGE DURING CONSTRUCTION
  - EXISTING DOOR SYSTEM TO BE REMOVED
  - EXISTING LIGHTING FIXTURE - TO REMAIN
  - NEW LIGHTING FIXTURE
  - IMPACT RESISTANT SAFETY GLAZING
  - EXISTING CEILING PANELS
  - APC-1 NEW CEILING PANELS BASIS OF DESIGN: ARMSTRONG SCHOOL ZONE FINE FISSURED

**HUMMEL ARCHITECTS**

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 TFSD 2023 CAPITAL IMPROVEMENTS PACKAGE 7, RESTROOM REMODEL AT O'LEARY MIDDLE SCHOOL

2350 ELIZABETH BLVD  
 TWIN FALLS, ID 83301

**Sheet:**  
 RESTROOM REMODEL PLANS & ELEVATIONS

1	Agency Review 1	2/16/2024
2	Consolidated Set	2/23/2024

**PERMIT SET**

AR-1635  
 2/16/24  
 ARCHITECT

Project No:	23010-00
Drawn By:	KT
Checked By:	PR
Date:	2/23/2024
Sheet No:	A2.01

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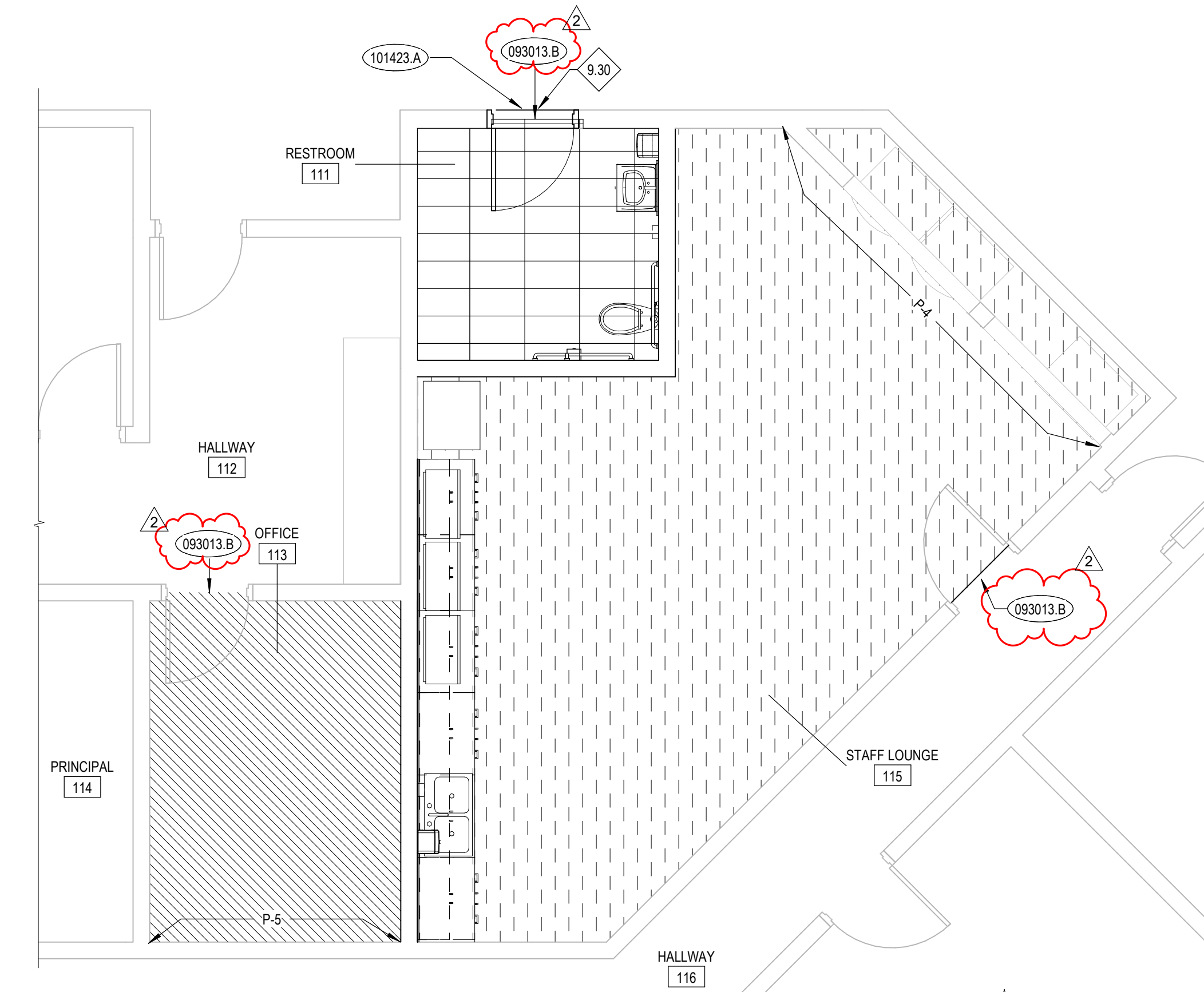
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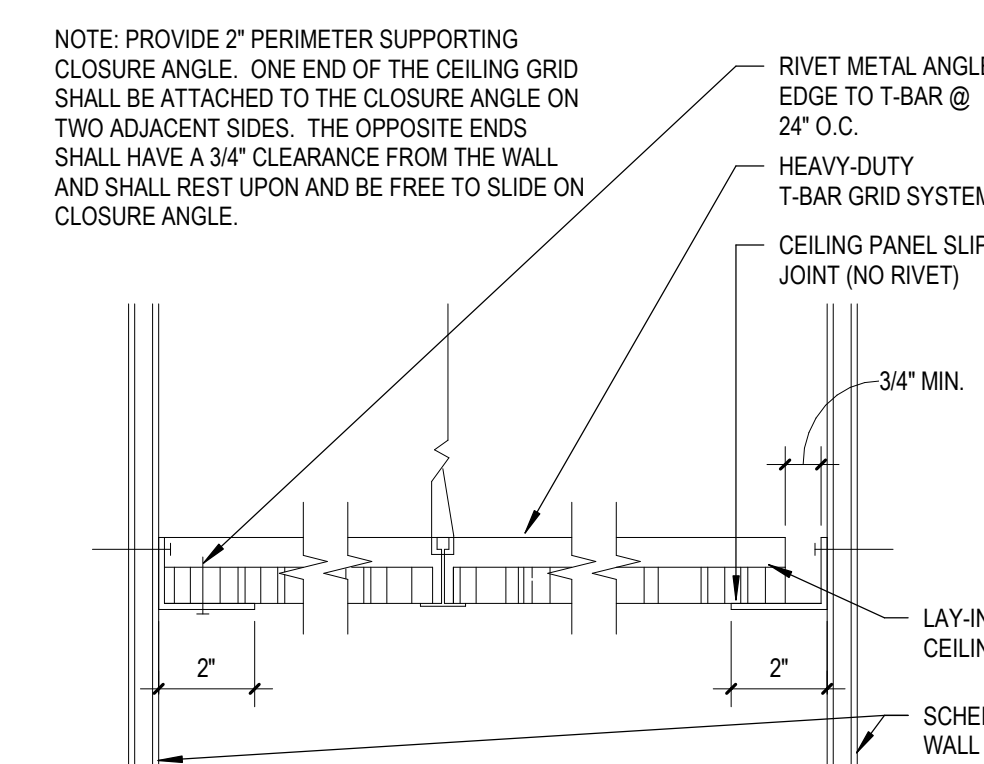
E

SCHEDULE - ROOM FINISH - O'LEARY RESTROOM										
ROOM NO.	ROOM TITLE	FLOOR		WALLS				CASEWORK		REMARKS
		MAT.	BASE	NORTH	EAST	SOUTH	WEST	CABINETRY	COUNTER TOP	
111	RESTROOM	PFT-1	MCB-1	CWT-1, CWT-4, CWT-5	CWT-1, CWT-4, CWT-5	CWT-1, CWT-4, CWT-5	CWT-1, CWT-4, CWT-5	-	-	2, 3
113	OFFICE	CPT-2	RWB-1	P-1	P-1	P-5	P-1	-	-	1
115	STAFF LOUNGE	LVT-1	RWB-1	P-1	P-4	P-1	P-1	PL-3	PL-4	1

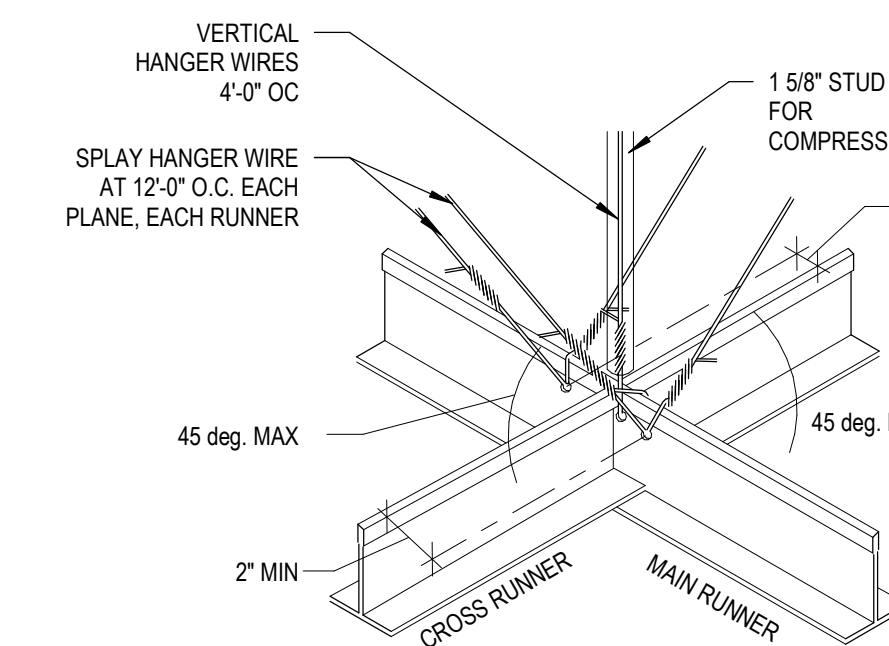


**C5 O'LEARY FINISH PLAN**  
1/4" = 1'-0"

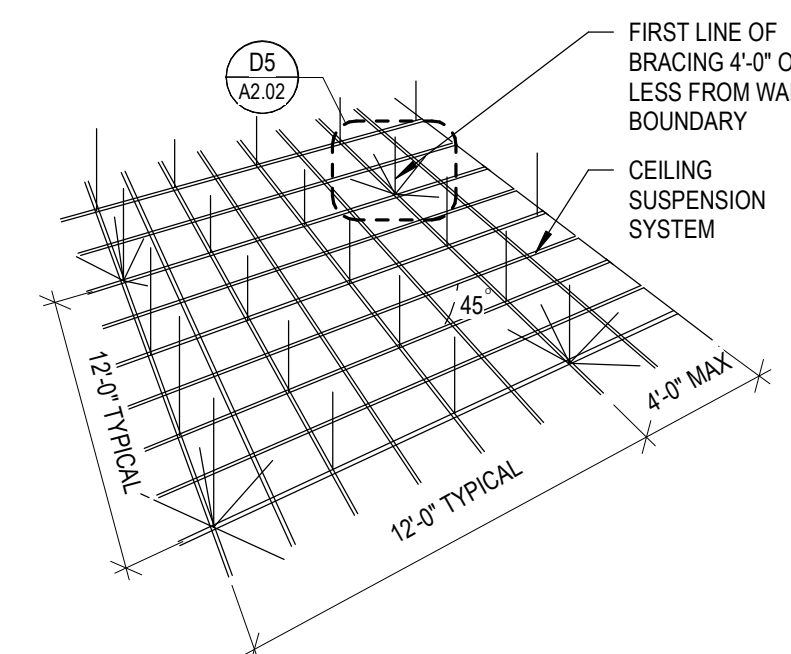
FINISH ABBREVIATIONS	
<b>FLOOR FINISHES</b>	
CPT	CARPET TILE
CFT	CERAMIC FLOOR TILE
PFT	PORCELAIN FLOOR TILE
LVT	LUXURY VINYL TILE
<b>WALL BASE</b>	
RWB	RESILIENT WALL BASE
MCB	METAL COVE BASE
<b>WALL FINISHES</b>	
P	PAINT
CWT	CERAMIC WALL TILE
<b>CEILING</b>	
APC	ACOUSTICAL PANEL CEILING
OWP	GYPSUM BOARD OPEN TO STRUCTURE
<b>CASEWORK</b>	
PL	PLASTIC LAMINATE
<b>FINISH FLOOR LEGEND</b>	
	CPT-2
	PFT-1
	LVT-1
<b>REFERENCE NOTES</b>	
9.30	MATCH COLOR OF EXISTING DOOR FRAMES, P-11 RE: SECTION 09423, "INTERIOR PAINTING"
<b>KEYNOTES</b>	
093013.B	METAL EDGE STRIP ACCESSORY
101423.A	PANEL SIGNAGE
<b>REMARKS</b>	
1.	RE: INTERIOR ELEVATIONS FOR PAINT LOCATIONS
2.	RE: INTERIOR ELEVATIONS FOR PORCELAIN WALL TILE LOCATIONS
3.	SEE FLOOR FINISH PLAN FOR LOCATIONS OF FLOOR MATERIALS.
<b>GENERAL NOTES</b>	
1.	ACCENT VCT PATTERNS MUST MAINTAIN EXACT CONFIGURATION SHOWN.
2.	ALL VCT PATTERNS ARE TO BE FULL TILES EXCEPT WHERE PATTERN IS INTERRUPTED BY PORTIONS OF BUILDING.
3.	RE: DIVISION 9, SECTION "RESILIENT WALL BASE AND ACCESSORIES" FOR TRANSITIONS AND OTHER FLOORING ACCESSORIES.
4.	PROVIDE TRANSITIONS WHERE MATERIAL TRANSITION HEIGHT DIFFERENCE IS GREATER THAN 1/4" SEE SPECIFICATIONS.
5.	PROVIDE CONTINUOUS SEALANT BETWEEN ALL JOINTS BETWEEN DISSIMILAR FINISH MATERIALS.
6.	CORNER GUARDS TO BE INSTALLED AT ALL OUTSIDE CORNERS RE: SECTION 10260, "WALL AND DOOR PROTECTION."
<b>LEGEND</b>	
	DOOR SYMBOL, RE: DOOR SCHEDULE, SHEET AT 01
	FIRE EXTINGUISHER CABINET, RE: DIVISION 10 - SPECIALTIES 10 AND SHEET 00 02
	EXISTING WALL SYSTEM TO REMAIN, PROTECT FROM DAMAGE DURING CONSTRUCTION.
	EXISTING WALL SYSTEM TO BE REMOVED.
	EXISTING DOOR SYSTEM TO REMAIN, PROTECT FROM DAMAGE DURING CONSTRUCTION.
	EXISTING DOOR SYSTEM TO BE REMOVED.
	EXISTING LIGHTING FIXTURE - TO REMAIN
	NEW LIGHTING FIXTURE
	IMPACT RESISTANT SAFETY GLAZING
	EXISTING CEILING PANELS
	APC-1 NEW CEILING PANELS BASIS OF DESIGN: ARMSTRONG SCHOOL ZONE FINE FISSURED



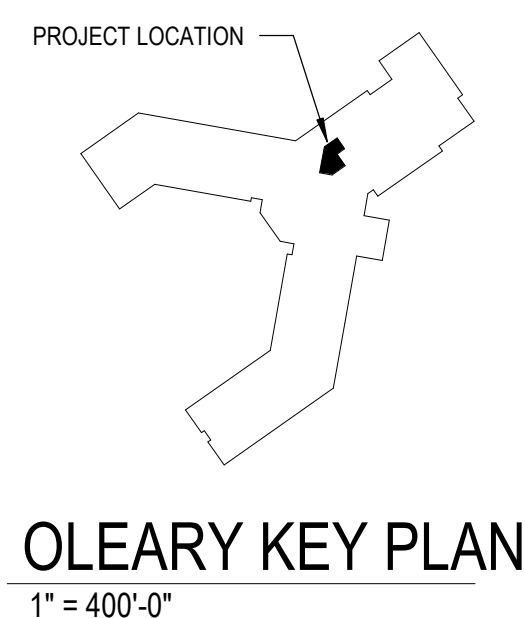
**D4 TYPICAL LAY-IN CEILING TILE EDGE DETAIL**  
3/4" = 1'-0"



**D5 TYPICAL SEISMIC BRACING DETAIL-01**  
1/2" = 1'-0"



**E4 TYPICAL SEISMIC BRACING DETAIL-02**  
1/2" = 1'-0"



**O'LEARY KEY PLAN**  
1" = 400'-0"

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**Project:**  
TFSD 2023 CAPITAL IMPROVEMENTS PACKAGE 7, RESTROOM REMODEL AT O'LEARY MIDDLE SCHOOL  
2350 ELIZABETH BLVD  
TWIN FALLS, ID 83301

**Sheet:**  
RESTROOM REMODEL FINISH PLANS

1	Agency Review 1	2/16/2024
2	Consolidated Set	2/23/2024

**PERMIT SET**  
AR-1635  
2/16/24  
STATE OF IDAHO  
DIVISION OF BUILDING

Project No:	23010-00
Drawn By:	OW
Checked By:	PR
Date:	2/23/2024

Sheet No: **A2.02**

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GENERAL LEGEND (Not all symbols listed below are used on these drawings)					
ABBR.	SYMBOL	DESCRIPTION	ABBR.	SYMBOL	DESCRIPTION
		SECTION DESIGNATION			CAP END OF PIPE
		SECTION CUT ON THIS SHEET			PITCH DOWN IN DIRECTION OF ARROW
		VIEW REFERENCE DESIGNATION			PIPE ANCHOR
		VIEW REFERENCE ON THIS SHEET			PIPE ALIGNMENT GUIDE
		EQUIPMENT UNIT IDENTIFICATION			UNION OR FLANGE
		EQUIPMENT UNIT NUMBER (UNIT SERVED - FLOOR - SEQUENCE #)			CONCENTRIC PIPE REDUCER
		DIFFUSER IDENTIFICATION			ECCENTRIC PIPE REDUCER
		DIFFUSER NECK DIAMETER	PRV		PRESSURE REDUCING VALVE
		DIFFUSER CFM	PTRV		PRESSURE AND/OR TEMPERATURE RELIEF VALVE
		LINEAR DIFFUSER IDENTIFICATION			ISOLATION VALVE (RE: SPEC FOR TYPE)
		LINEAR DIFFUSER NECK DIAMETER			VERTICAL PIPE VALVE
		LINEAR DIFFUSER LENGTH	CV		CHECK VALVE
		LINEAR DIFFUSER CFM			SOLENOID / MOTORIZED VALVE
		FINNED TUBE RADIATOR ACTIVE ELEMENT LENGTH			SOLENOID VALVE
		EQUIPMENT UNIT IDENTIFICATION			HOSE END DRAIN VALVE
		EQUIPMENT UNIT NUMBER			PRESSURE / TEMPERATURE TAP
		RADIATOR ENCLOSURE LENGTH (OR W-W+ WALL-TO-WALL)	PIT		STRAINER
		KEY NOTE REFERENCE			STRAINER W/ BLOWDOWN
		KITCHEN/MEDICAL EQUIPMENT REFERENCE			BRAIDED FLEXIBLE PIPE CONNECTOR
		TYPICAL ROOM REFERENCE (TOP = RM #, BOTTOM = FLR)			DOUBLE-BOWL FLEXIBLE PIPE CONNECTOR
		POINT OF CONNECTION, NEW TO EXISTING			THERMOMETER
		POINT OF DISCONNECTION, DEMO			PRESSURE GAUGE
		DIRECTION OF FLOW IN PIPE			SIGHT GLASS
		DUCTWORK, PIPING AND EQUIPMENT TO BE REMOVED			CEILING ACCESS PANEL
(E)		EXISTING	C.A.P.		PUMP
(N)		NEW			THRUST BLOCK
(R)		RELOCATED			MANUAL AIR VENT
(F)		FUTURE	TB		AUTOMATIC AIR VENT
DIA	Ø	DIAMETER			
WAD		WALL ACCESS DOOR	AAV		
NIC		NOT IN CONTRACT			
AFF		ABOVE FINISHED FLOOR			
GC		GENERAL CONTRACTOR			
MC		MECHANICAL CONTRACTOR			
EC		ELECTRICAL CONTRACTOR			
UNO		UNLESS NOTED OTHERWISE			
C		COMMON			
NC		NORMALLY CLOSED			
NO		NORMALLY OPEN			

FIRE PROTECTION LEGEND (Not all symbols listed below are used on these drawings)					
ABBR.	SYMBOL	DESCRIPTION	ABBR.	SYMBOL	DESCRIPTION
F		FIRE SERVICE PIPING			NEW SPRINKLER HEAD
O.S.&Y.		O.S.&Y. GATE VALVE W/ TAMPER SWITCH			EXISTING SPRINKLER HEAD
FS		FLOW SWITCH			RELOCATED SPRINKLER HEAD
PIV		POST INDICATOR VALVE			SIDEWALL SPRINKLER HEAD
FDC		FIRE DEPARTMENT CONNECTION			DRY SPRINKLER HEAD (SHAFT LENGTH)
			FHC		FIRE HOSE CABINET
			FVC		FIRE VALVE CABINET
			AS		AUTOMATIC FIRE SPRINKLER

### FIRE PROTECTION NOTES:

- FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR THE INSTALLATION OF A COMPLETE AND PROPERLY FUNCTIONING FIRE PROTECTION SYSTEM.
- THE FIRE PROTECTION WORK INVOLVES ENGINEERING AND DESIGN BY THE CONTRACTOR TO DETERMINE THE EXTENT OF NEW WORK AND THE MODIFICATION AND EXTENSION OF EXISTING SYSTEMS TO PROVIDE FULL COVERAGE TO THE PROJECT AREA SHOWN ON THESE AND THE ARCHITECTURAL PLANS.
- THE INFORMATION PRESENTED ON THESE DRAWINGS IS DIAGRAMMATIC. IT DOES NOT NECESSARILY REPRESENT ALL ELBOWS, OFFSETS, HANGERS, ETC., REQUIRED FOR A COMPLETE WORKING SYSTEM.
- ALL FIRE PROTECTION SYSTEMS INSTALLED SHALL BE IN ACCORDANCE WITH NFPA-13, 14, 20, ETC. AND LOCAL BUILDING CODES AND ORDINANCES.
- FIRE PROTECTION CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL NEW FIRE PROTECTION EQUIPMENT AND PIPING WITH ALL OTHER TRADES PRIOR TO SUBMITTAL OF SHOP DRAWINGS AND SYSTEM INSTALLATION, SO AS NOT TO INTERFERE WITH THE ROUTING OF NEW DUCTWORK, PLUMBING PIPING, ETC.
- PROVIDE ALL FITTINGS, RISER NIPPLES, ARM-OVERS, HANGERS, ETC. TO MAINTAIN CONFORMANCE WITH APPLICABLE STANDARDS AND TO POSITION THE SPRINKLERS IN THE PROPER LOCATIONS.
- SEAL ALL PIPE PENETRATIONS THROUGH FIRE RATED WALLS AND CEILINGS WITH FIRE STOPPING MATERIALS AS REQUIRED.
- FOR REMODEL AREAS NEW SPRINKLERS SHALL MATCH EXISTING SPRINKLERS.
- PROVIDE WORKING DRAWINGS AND HYDRAULICALLY CALCULATE THIS FIRE SPRINKLER SYSTEM PER NFPA-13 WHERE REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- PROVIDE FIELD COORDINATION OF PIPING AND SPRINKLER INSTALLATIONS WITH DUCTWORK, LIGHTS, SMOKE DETECTORS, DIFFUSERS, ETC.

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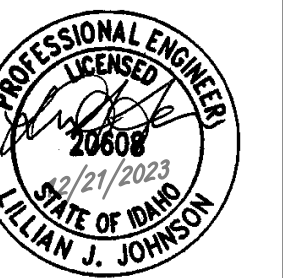
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Project:  
TFSD 2023 CAPITAL IMPROVEMENTS  
PACKAGE 7, RESTROOM REMODEL AT  
O'LEARY MIDDLE SCHOOL

2350 ELIZABETH BLVD  
TWIN FALLS, ID 83301

Sheet:  
**FIRE PROTECTION LEGENDS  
& NOTES**

100% CONSTRUCTION DOCUMENTS



Project No: 23010-00  
Drawn By: BS  
Checked By: LJ  
Date: 12/22/2023

Sheet No:  
**F0.01**

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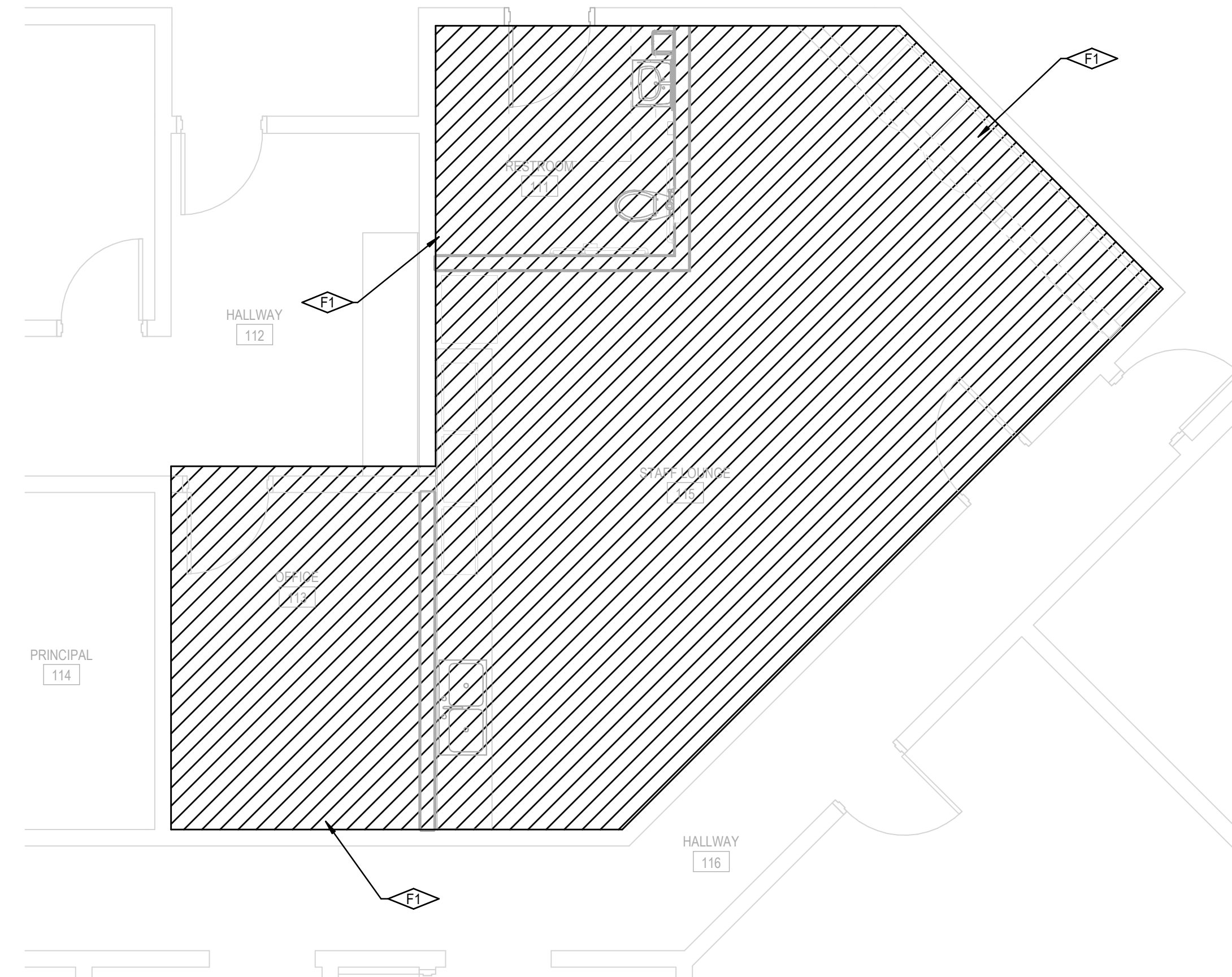
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### KEYNOTES

F1 MODIFY THE EXISTING FIRE SPRINKLER LAYOUT PER NFPA 13 TO ACCOMMODATE THE REMODELED AREAS. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION. REPLACE EXISTING SPRINKLER HEADS WITH QUICK RESPONSE HEADS AS NEEDED. COORDINATE NEW HEAD LOCATIONS WITH OTHER TRADES.



**LEVEL 1 FIRE PROTECTION PLAN**  
SCALE: 1/4" = 1'-0"

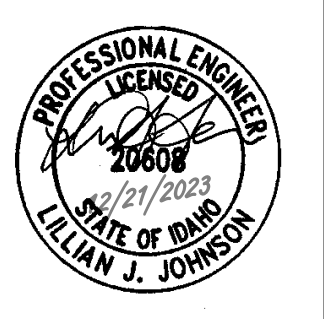
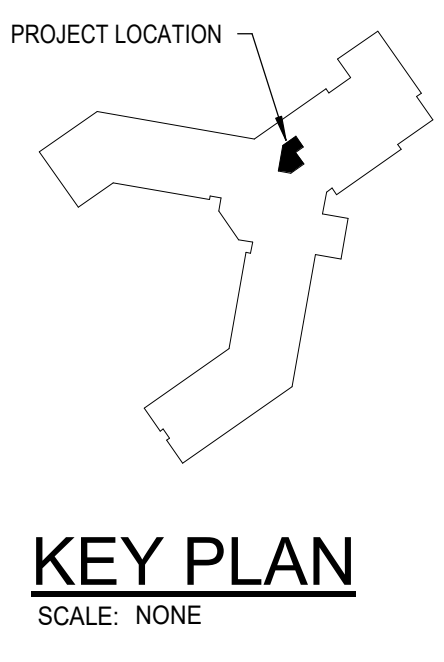
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Project:  
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PACKAGE 7, RESTROOM REMODEL AT  
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2350 ELIZABETH BLVD  
TWIN FALLS, ID 83301

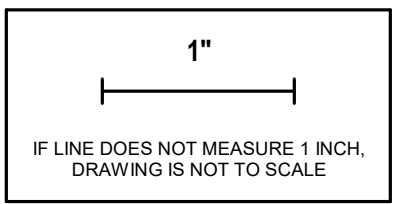
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**LEVEL 1 FIRE PROTECTION  
PLANS**

100% CONSTRUCTION DOCUMENTS



Project No: 23010-00  
Drawn By: BS  
Checked By: LJ  
Date: 12/22/2023

Sheet No:  
**F2.01**



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GENERAL LEGEND

Table with 4 columns: ABBR., SYMBOL, DESCRIPTION, and ABBR., SYMBOL, DESCRIPTION. Lists various mechanical symbols and their meanings.

HVAC LEGEND

Table with 4 columns: ABBR., SYMBOL, DESCRIPTION, ABBR., SYMBOL, DESCRIPTION. Lists HVAC-related symbols and their meanings.

UNLESS NOTED OTHERWISE ALL SCHEDULED DATA IS LISTED AT ELEVATION - 3700 FT

HVAC PLAN NOTES:

- 1. ALL SUPPLY AIR DIFFUSERS ARE 4-WAY AIR PATTERN UNLESS SHOWN OTHERWISE.
2. DUCT SIZE OF BRANCH DUCT TO AIR DEVICE SHALL BE THE SAME SIZE AS NECK SIZE OF AIR DEVICE UNLESS NOTED OTHERWISE.
3. UNLESS OTHERWISE NOTED, ALL SUPPLY AIR DUCTWORK SHALL BE EXTERNALLY WRAPPED TO THICKNESS AS STATED IN SPECIFICATIONS AND RETURN AND EXHAUST DUCTWORK IS NEITHER LINED NOR WRAPPED.
4. DUCT SIZES INDICATED ARE SHEET METAL SIZES. WHERE INTERNAL DUCT LINING IS PROVIDED, SHEET METAL SHALL NOT BE INCREASED IN SIZE.

GENERAL NOTES:

- 1. WORK INCLUDED IN THE CONTRACT IS DENOTED IN BOLD. EXISTING CONDITIONS TO REMAIN ARE DENOTED LIGHTLY.
2. A DETAILED METHOD OF PROCEDURE IS REQUIRED WHEN A CONSTRUCTION ACTIVITY AFFECTS THE SAFETY OF THE OCCUPANTS, OWNER'S EQUIPMENT OR VALUABLE CONTENTS OR ANY SYSTEM WHICH SUPPORTS THESE SYSTEMS, OR ESSENTIALLY AFFECTS THE BUILDING MANAGEMENT, OPERATIONS OR SECURITY.
3. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK AND SHALL NOTIFY THE ENGINEER/ARCHITECT OF ANY DISCREPANCIES FOR RESOLUTION.
4. COORDINATE WORK WITH ALL TRADES.
5. COORDINATE ALL DUCTWORK AND PIPING WITH EQUIPMENT, STRUCTURE, ETC.
6. CONTRACTOR SHALL NOT SHUT DOWN / TAKE OUT OF SERVICE ANY SYSTEMS WITHOUT FIRST COORDINATING WITH OWNER AND PREPARING M.O.P.

DEMOLITION GENERAL NOTES:

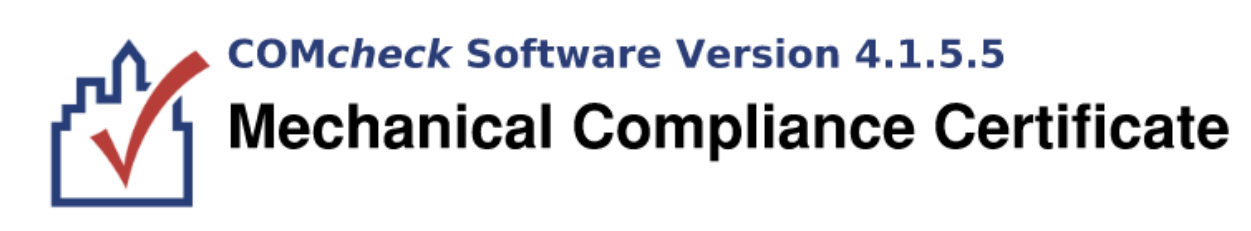
- 1. EXISTING ITEMS TO REMAIN ARE DENOTED LIGHTLY UNLESS OTHERWISE NOTED. ALL ITEMS SHOWN DASHED & BOLD SHALL BE REMOVED UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL NOT SHUT-OFF OR PUT-OUT OF SERVICE ANY SYSTEMS OR SERVICE WITHOUT FIRST COORDINATING WITH THE OWNER.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND UNDERSTAND THE EXTENT OF THE REMODEL WORK REQUIRED PRIOR TO BID. NO EXTRAS WILL BE ALLOWED FOR WORK REQUIRED TO ACHIEVE THE END RESULT AS INDICATED BY THE CONTRACT DOCUMENT.
4. CONTRACTOR SHALL DETERMINE AND COORDINATE THE EXACT EXTENT OF DEMOLITION TO FACILITATE ALL WORK INDICATED BY THE CONTRACT DOCUMENT.
5. PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORK, VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES FOR RESOLUTION.
6. ALL ITEMS IDENTIFIED TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY UNLESS OTHERWISE NOTED. REMOVED ITEMS SHALL BE TURNED OVER TO THE OWNER UNLESS OTHERWISE NOTED AND STORED IN THE AREA DESIGNATED BY THE OWNER. REMOVE FROM SITE AND LEGALLY DISPOSE OF ALL ITEMS THE OWNER CHOOSES NOT TO ACCEPT.
7. WHERE EXISTING PIPING, T.C. TUBING/WIRING ETC. ARE TO BE REMOVED FROM WALLS WHICH ARE REMAINING, THE WALLS SHALL BE REPAIRED TO MATCH ORIGINAL CONDITIONS.
8. WHERE EXISTING PIPING TO BE REMOVED PASSES THROUGH FLOORS, THEY SHALL BE CUT BACK TO WITHIN CONCRETE AND FILLED WITH GROUT TO ACHIEVE A SMOOTH AND EVEN FINISH WITH CONCRETE SURFACE.

DOUBLE/SINGLE LINE DUCT LEGEND

Table showing duct connection symbols for single and double lines, including tees, elbows, reducers, and dampers.

AIR DEVICE SCHEDULE

Table with columns: DESIG., FUNCTION, STYLE, MFR., MODEL, FRAME STYLE, MODULE SIZE, MATERIAL, FINISH, REMARKS. Lists specifications for ceiling supply and exhaust devices.



Project Information: Energy Code: 2018 IECC, Project Title: TFSD Capital Improvements - O'Leary Middle School, Location: Twin Falls, Idaho, Climate Zone: S3, Project Type: Alteration.

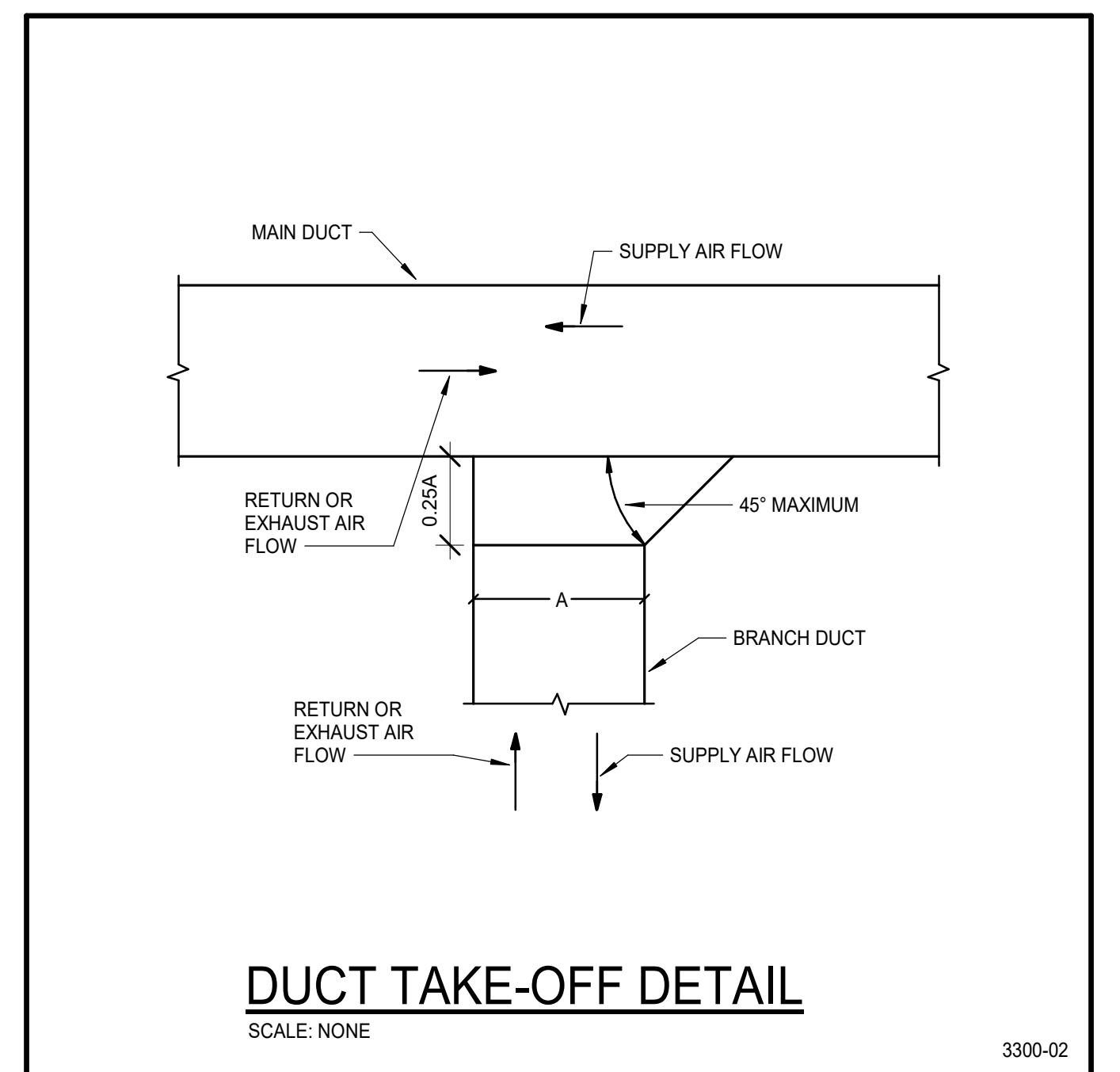
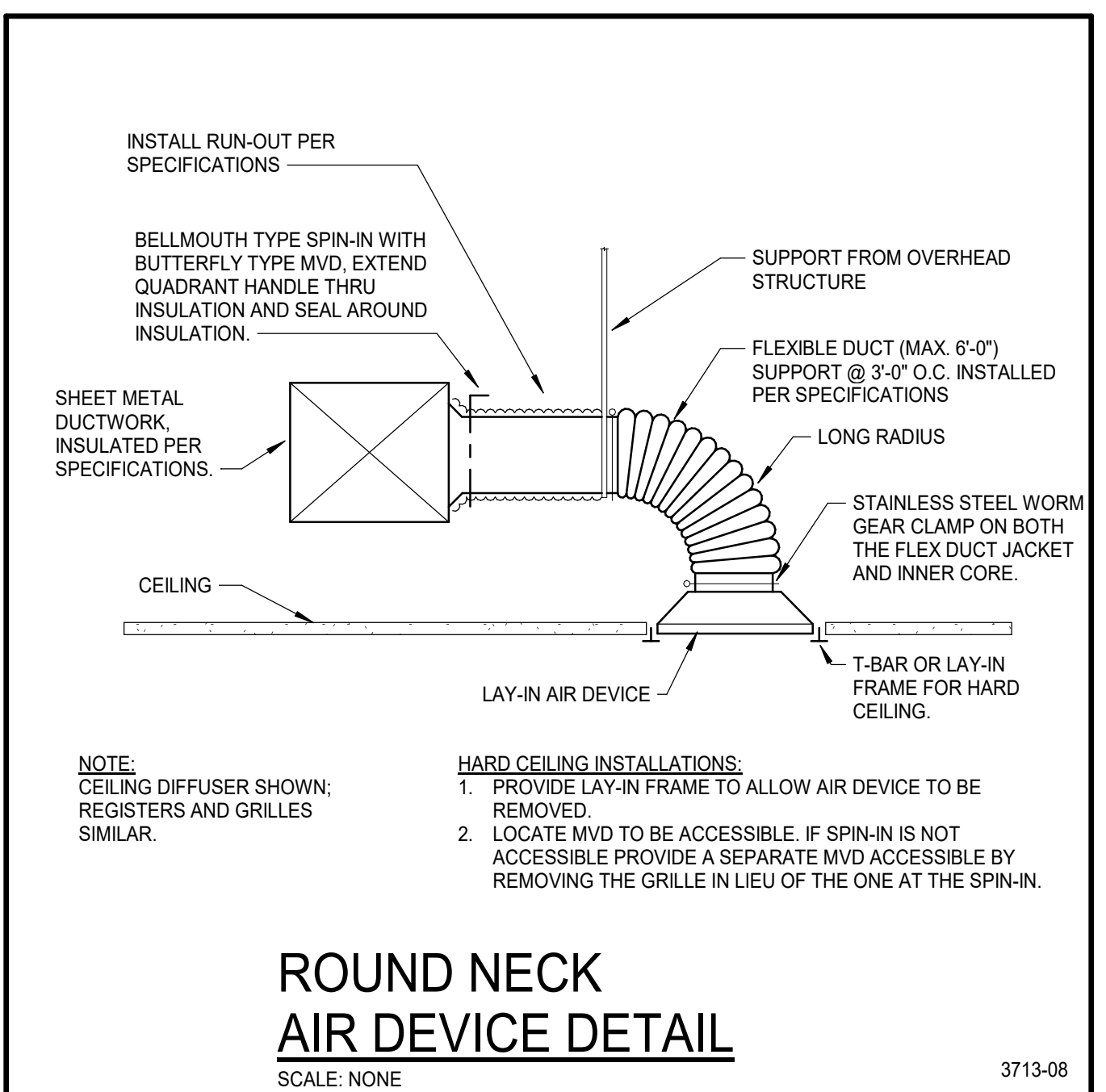
Construction Site: Twin Falls, ID; Owner/Agent: Twin Falls School District; Designer/Contractor: Lilly Johnson, P.E., CATOR RUMA.

Mechanical Systems List: Quantity System Type & Description.

Mechanical Compliance Statement: Compliance Statement: The proposed mechanical alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application.

Lilly Johnson, P.E. Name - Title, Signature, Date: 2.16.24

NOTE: No new heating, cooling, nor water heating equipment is being installed as part of this project. The work consists of modifying existing ductwork and piping.



OUTSIDE AIR VENTILATION CALCULATIONS (OA) table with columns for Room, Room Name, Primary, Secondary, Zone Area, Zone Outside Air Rate, Occupant Density, Breathing Zone Outside Air Rate, Zone Outside Air Rate, System Occupant Density, Breathing Zone Outside Air Rate, Zone Outside Air Rate, Primary Outside Air Fraction, People Outside Air Rate, Room Outside Air Rate.

100% CONSTRUCTION DOCUMENTS

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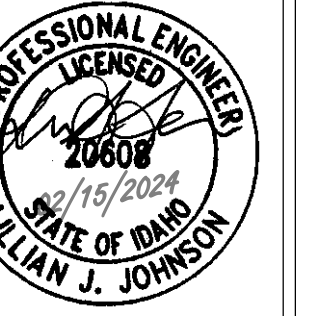
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Project: TFSD 2023 CAPITAL IMPROVEMENTS PACKAGE 7, RESTROOM REMODEL AT O'LEARY MIDDLE SCHOOL

2350 ELIZABETH BLVD TWIN FALLS, ID 83301

Sheet: MECHANICAL LEGENDS & NOTES

1 Agency Review 1 02.16.24



Project No: 23010-00, Drawn By: BS, Checked By: LJ, Date: 12/22/2023

Sheet No: M0.01

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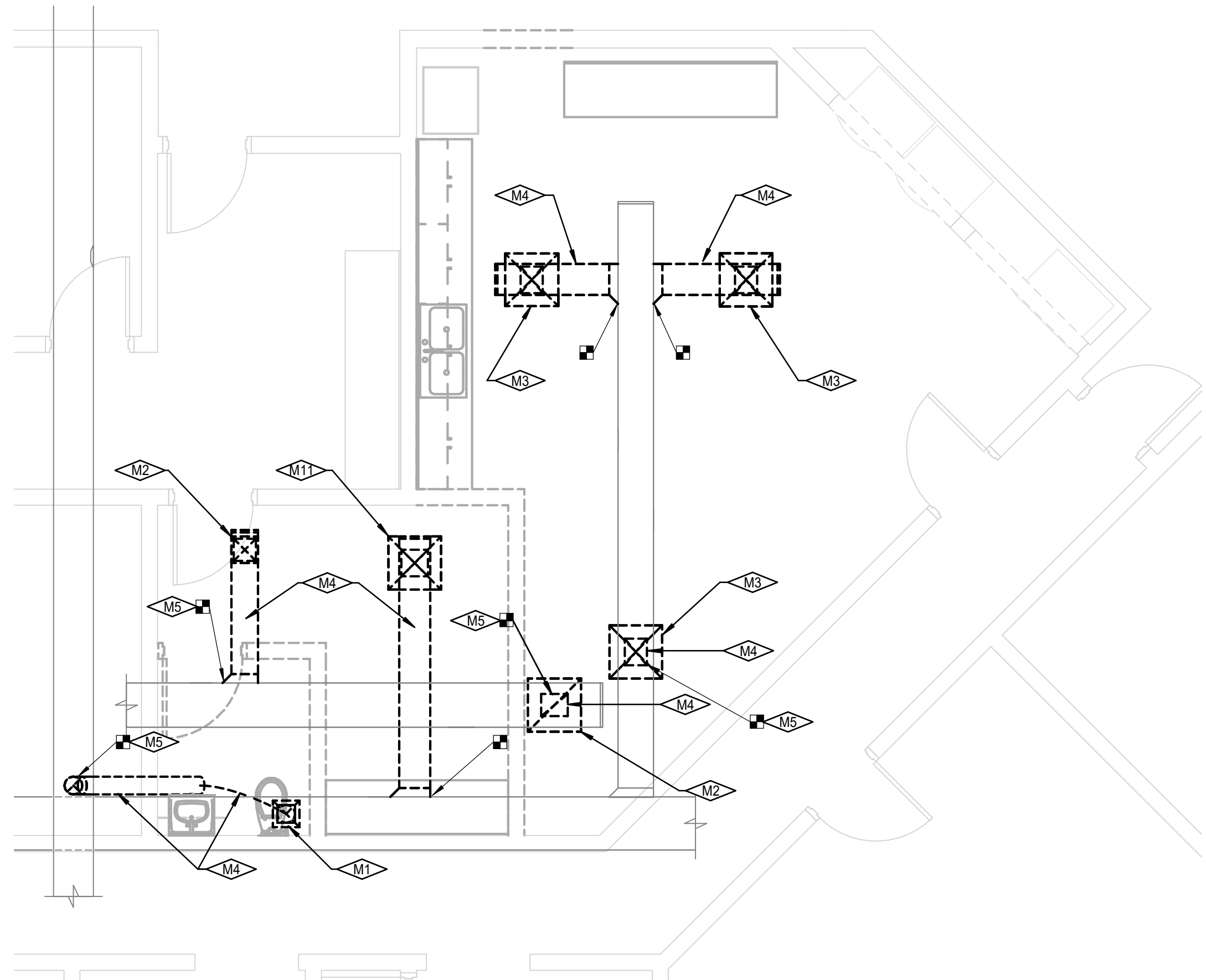
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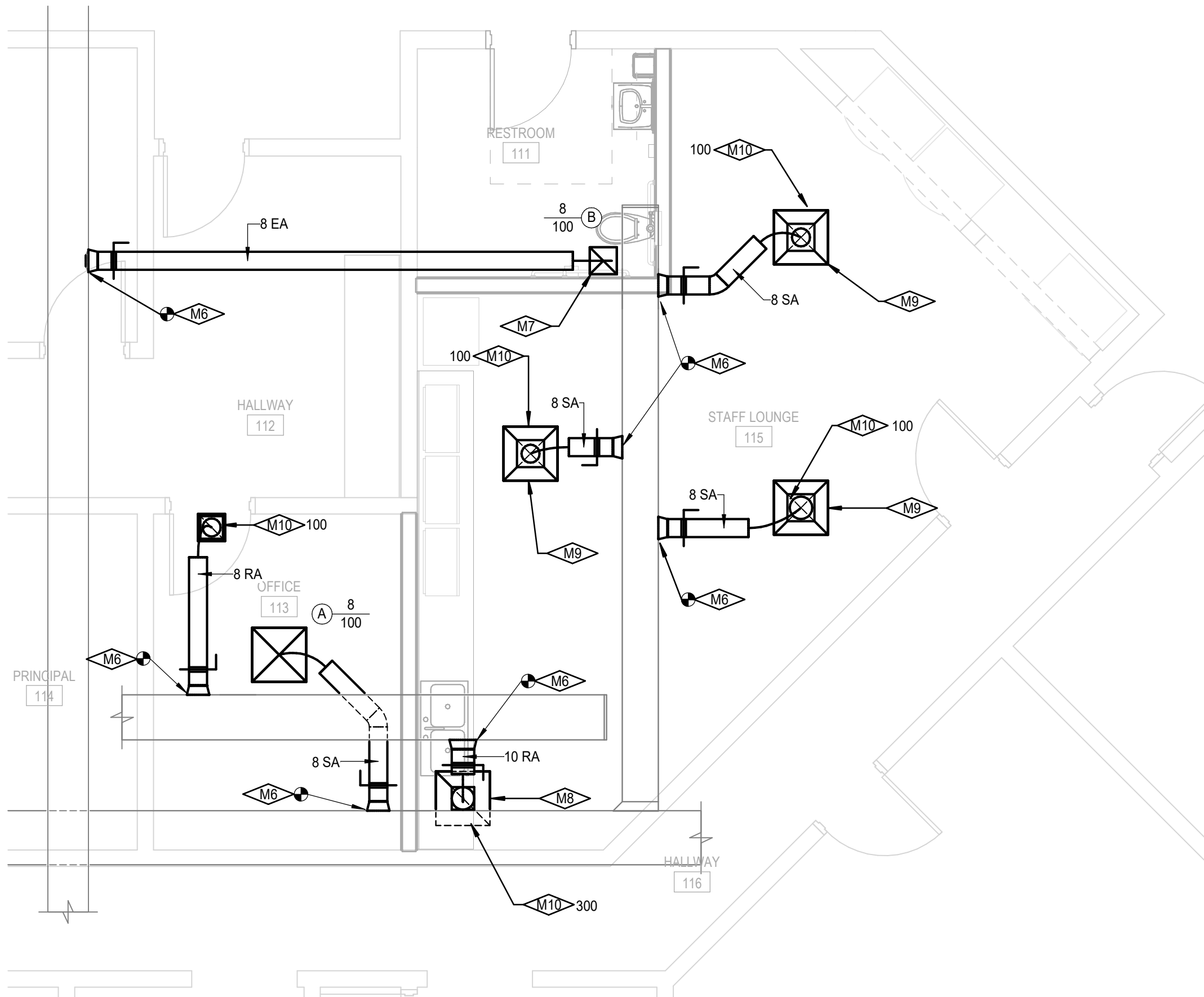
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KEYNOTES	
M1	REMOVE EXISTING CEILING EXHAUST GRILLE. PROVIDE NEW FOR NEW RESTROOM.
M2	REMOVE EXISTING CEILING RETURN GRILLE. MAINTAIN FOR RELOCATION.
M3	REMOVE EXISTING CEILING SUPPLY GRILLE. MAINTAIN FOR RELOCATION.
M4	REMOVE EXISTING DUCT.
M5	CAP DUCT. SEAL AIR TIGHT.
M6	CONNECT TO EXISTING DUCT. MODIFY EXISTING DUCTWORK AS REQUIRED TO MAKE A PROPER CONNECTION.
M7	CLEAN AND INSTALL EXISTING CEILING EXHAUST GRILLE. PROVIDE TRANSITION TO GRILLE'S NECK SIZE.
M8	CLEAN AND INSTALL EXISTING CEILING RETURN GRILLE. PROVIDE TRANSITION TO GRILLE'S NECK SIZE.
M9	CLEAN AND INSTALL EXISTING CEILING SUPPLY GRILLE. PROVIDE TRANSITION TO GRILLE'S NECK SIZE.
M10	BALANCE RELOCATED GRILLE TO CFM SHOWN.
M11	REMOVE EXISTING CEILING SUPPLY GRILLE AND REPLACE WITH NEW.

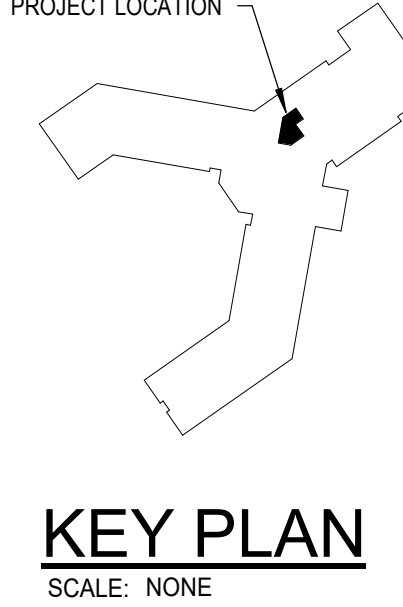
NOTE:  
 CONTRACTOR SHALL TAKE AIR FLOW READINGS OF SUPPLY AND RETURN CEILING GRILLES SHOWN PRIOR TO ANY OTHER WORK. PROVIDE A COPY OF THE AIR FLOW TEST REPORT TO ENGINEER FOR FINAL AIR BALANCING.



**LEVEL 1 HVAC DEMOLITION PLAN**  
 SCALE: 1/4" = 1'-0"



**LEVEL 1 HVAC PLAN**  
 SCALE: 1/4" = 1'-0"



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Project:  
 TFSD 2023 CAPITAL IMPROVEMENTS  
 PACKAGE 7, RESTROOM REMODEL AT  
 O'LEARY MIDDLE SCHOOL

2350 ELIZABETH BLVD  
 TWIN FALLS, ID 83301

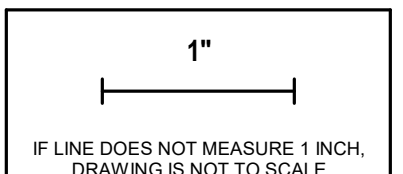
Sheet:  
**LEVEL 1 HVAC PLANS**

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Project No: 23010-00  
 Drawn By: BS  
 Checked By: LJ  
 Date: 12/22/2023

Sheet No:  
**M2.01**





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GENERAL LEGEND (Not all symbols listed below are used on these drawings)			
ABBR.	SYMBOL	DESCRIPTION	DESCRIPTION
		SECTION DESIGNATION	
		SECTION CUT ON THIS SHEET	
		VIEW REFERENCE DESIGNATION	
		VIEW REFERENCE ON THIS SHEET	
		EQUIPMENT UNIT IDENTIFICATION	
		EQUIPMENT UNIT NUMBER (UNIT SERVED - FLOOR - SEQUENCE #)	
		DIFFUSER IDENTIFICATION	
		DIFFUSER NECK DIAMETER	
		DIFFUSER CFM	
		LINEAR DIFFUSER IDENTIFICATION	
		LINEAR DIFFUSER NECK DIAMETER	
		LINEAR DIFFUSER LENGTH	
		LINEAR DIFFUSER CFM	
		FINNED TUBE RADIATOR IDENTIFICATION	
		FINNED TUBE RADIATOR ACTIVE ELEMENT LENGTH	
		EQUIPMENT UNIT IDENTIFICATION	
		EQUIPMENT UNIT NUMBER (UNIT SERVED - FLOOR - SEQUENCE #)	
		RADIATOR ENCLOSURE LENGTH (OR W-W-WALL-TO-WALL)	
		KEY NOTE REFERENCE	
		KITCHEN/OWNER/MEDICAL EQUIPMENT REFERENCE	
		TYPICAL ROOM REFERENCE (TOP + RM # BOTTOM + FUR)	
		POINT OF CONNECTION, NEW TO EXISTING	
		POINT OF DISCONNECTION, DEMO	
		DIRECTION OF FLOW IN PIPE	
		DUCTWORK, PIPING AND EQUIPMENT TO BE REMOVED	
(E)		EXISTING	
(N)		NEW	
(R)		RELOCATED	
(F)		FUTURE	
DIA		DIAMETER	
WAD		WALL ACCESS DOOR	
NC		NOT IN CONTRACT	
AFF		ABOVE FINISHED FLOOR	
GC		GENERAL CONTRACTOR	
MC		MECHANICAL CONTRACTOR	
EC		ELECTRICAL CONTRACTOR	
UNQ		UNLESS NOTED OTHERWISE	
C		COMMON	
NC		NORMALLY CLOSED	
NO		NORMALLY OPEN	

PLUMBING LEGEND (Not all symbols listed below are used on these drawings)			
ABBR.	SYMBOL	DESCRIPTION	DESCRIPTION
CW		DOMESTIC COLD WATER PIPING	
HW		DOMESTIC HOT WATER PIPING	
HWC		DOMESTIC HOT WATER CIRC PIPING	
CW-S		SOFTENED DOMESTIC COLD WATER PIPING	
HW-S		SOFTENED DOMESTIC HOT WATER PIPING	
140°F HW		DOMESTIC HOT WATER PIPING @ TEMP SHOWN	
140°F HWC		DOMESTIC HOT WATER CIRC PIPING @ TEMP SHOWN	
TW		TEPID WATER PIPING	
TWC		TEPID WATER CIRC PIPING	
ICW		INDUSTRIAL COLD WATER PIPING	
IHW		INDUSTRIAL HOT WATER PIPING	
HWC		INDUSTRIAL HOT WATER CIRC PIPING	
NPCW		NON-POTABLE COLD WATER PIPING	
NPHW		NON-POTABLE HOT WATER PIPING	
NPHWC		NON-POTABLE HOT WATER CIRC PIPING	
V		VENT PIPING	
AV		ACID RESISTANT VENT PIPING	
W		WASTE PIPING	
W		WASTE PIPING BELOW FLOOR	
AW		ACID RESISTANT WASTE PIPING	
AW		ACID RESISTANT WASTE PIPING BELOW FLOOR	
GW		GREASE WASTE (TO GREASE INTERCEPTOR)	
GW		GREASE WASTE PIPING BELOW FLOOR	
SD		STORM DRAIN PIPING	
SD		STORM DRAIN PIPING BELOW FLOOR	
OD		OVERFLOW DRAIN PIPING	
OD		OVERFLOW DRAIN PIPING BELOW FLOOR	
CA		COMPRESSED AIR	
G		NATURAL GAS PIPING	
GC/SC/CO		GRADE CLEANOUT / SURFACE CLEANOUT	
FCO		FLOOR CLEANOUT	
WCO		WALL CLEANOUT	
CO		LINE CLEANOUT	
AD		AREA DRAIN	
FD		FLOOR DRAIN	
FS		FLOOR SINK	
RD / OD		ROOF DRAIN OR OVERFLOW DRAIN	
VB		ATMOSPHERIC VACUUM BREAKER	
BFP		BACKFLOW PREVENTER	
SA		SHOCK ARRESTOR W / ISOLATION VALVE	
GC		GAS SHUT-OFF VALVE	
SDV		STOP AND DRAIN VALVE	
BV		BALANCING VALVE	
WH		WALL HYDRANT	
HB		HOSE BIBB	
RH		ROOF HYDRANT	
YH		YARD HYDRANT	
DSN		DOWNSPOUT NOZZLE	
MH		MANHOLE	
CI		CAST IRON	
CB		CATCH BASIN	
VTR		VENT THRU ROOF	
IE		INVERT ELEVATION	
PVC		POLYVINYL CHLORIDE	

### DEMOLITION GENERAL NOTES:

- EXISTING ITEMS TO REMAIN ARE DENOTED LIGHTLY UNLESS OTHERWISE NOTED. ALL ITEMS SHOWN DASHED & BOLD SHALL BE REMOVED UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL NOT SHUT-OFF OR PUT-OUT OF SERVICE ANY SYSTEMS OR SERVICE WITHOUT FIRST COORDINATING WITH THE OWNER.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND UNDERSTAND THE EXTENT OF THE REMODEL WORK REQUIRED PRIOR TO BID. NO EXTRAS WILL BE ALLOWED FOR WORK REQUIRED TO ACHIEVE THE END RESULT AS INDICATED BY THE CONTRACT DOCUMENT.
- CONTRACTOR SHALL DETERMINE AND COORDINATE THE EXACT EXTENT OF DEMOLITION TO FACILITATE ALL WORK INDICATED BY THE CONTRACT DOCUMENT.
- PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORK, VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES FOR RESOLUTION.
- ALL ITEMS IDENTIFIED TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY UNLESS OTHERWISE NOTED. REMOVED ITEMS SHALL BE TURNED OVER TO THE OWNER UNLESS OTHERWISE NOTED AND STORED IN THE AREA DESIGNATED BY THE OWNER. REMOVE FROM SITE AND LEGALLY DISPOSE OF ALL ITEMS THE OWNER CHOOSES NOT TO ACCEPT.
- WHERE EXISTING PIPING, WIRING ETC. ARE TO BE REMOVED FROM WALLS WHICH ARE REMAINING, THE WALLS SHALL BE REPAIRED TO MATCH ORIGINAL CONDITIONS.
- WHERE EXISTING PIPING TO BE REMOVED PASSES THROUGH FLOORS, THEY SHALL BE CUT BACK TO WITHIN CONCRETE AND FILLED WITH GROUT TO ACHIEVE A SMOOTH AND EVEN FINISH WITH CONCRETE SURFACE.

### GENERAL NOTES:

- WORK INCLUDED IN THE CONTRACT IS DENOTED IN BOLD. EXISTING CONDITIONS TO REMAIN ARE DENOTED LIGHTLY.
- A DETAILED METHOD OF PROCEDURE IS REQUIRED WHEN A CONSTRUCTION ACTIVITY AFFECTS THE SAFETY OF THE OCCUPANTS. OWNER'S EQUIPMENT OR VALUABLE CONTENTS OR ANY SYSTEM WHICH SUPPORTS THESE SYSTEMS, OR ESSENTIALLY AFFECTS THE BUILDING MANAGEMENT, OPERATIONS OR SECURITY.
- CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK AND SHALL NOTIFY THE ENGINEER/ARCHITECT OF ANY DISCREPANCIES FOR RESOLUTION.
- COORDINATE WORK WITH ALL TRADES.
- COORDINATE ALL PIPING WITH EQUIPMENT, STRUCTURE, ETC.
- CONTRACTOR SHALL NOT SHUT DOWN / TAKE OUT OF SERVICE ANY SYSTEMS WITHOUT FIRST COORDINATING WITH OWNER AND PREPARING M.O.P.

### PLUMBING NOTES:

- CONTRACTOR SHALL NOT SHUT-OFF/PUT OUT OF SERVICE ANY SYSTEMS/SERVICES WITHOUT FIRST COORDINATING WITH OWNER.
- THIS CONTRACTOR SHALL COORDINATE LOCATIONS OF PIPING WITH OTHER TRADES AND ADVISE ARCHITECT/ENGINEER OF ANY POSSIBLE CONFLICTS. VERIFY EXACT LOCATIONS, ELEVATIONS AND DIMENSIONS OF STRUCTURAL MEMBERS AND OPENINGS.
- SEE SPECIFICATIONS FOR WATER HAMMER ARRESTOR SIZING. ALL FLUSH VALVES AND SOLENOID OPERATED EQUIPMENT SHALL HAVE A WATER HAMMER ARRESTOR.
- SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZING TO INDIVIDUAL PLUMBING FIXTURES.
- ALL EXISTING FIXTURES AND EQUIPMENT TO BE REMOVED SHALL HAVE ALL ASSOCIATED PIPING CONTROLS, HANGERS, SUPPORTS AND ANY MISCELLANEOUS ASSOCIATED SERVICE OR PART REMOVED COMPLETELY.
- REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE ELEVATIONS AND LOCATIONS.
- SEE ARCHITECTURAL CONSTRUCTION DOCUMENTS FOR DIMENSIONED LOCATION OF PLUMBING FIXTURES AND WALLS.
- PROVIDE CLEANOUTS IN ACCESSIBLE LOCATIONS PER THE PROJECT SPECIFICATIONS AND LOCAL PLUMBING CODES.

### FOUNDATION PLUMBING NOTES:

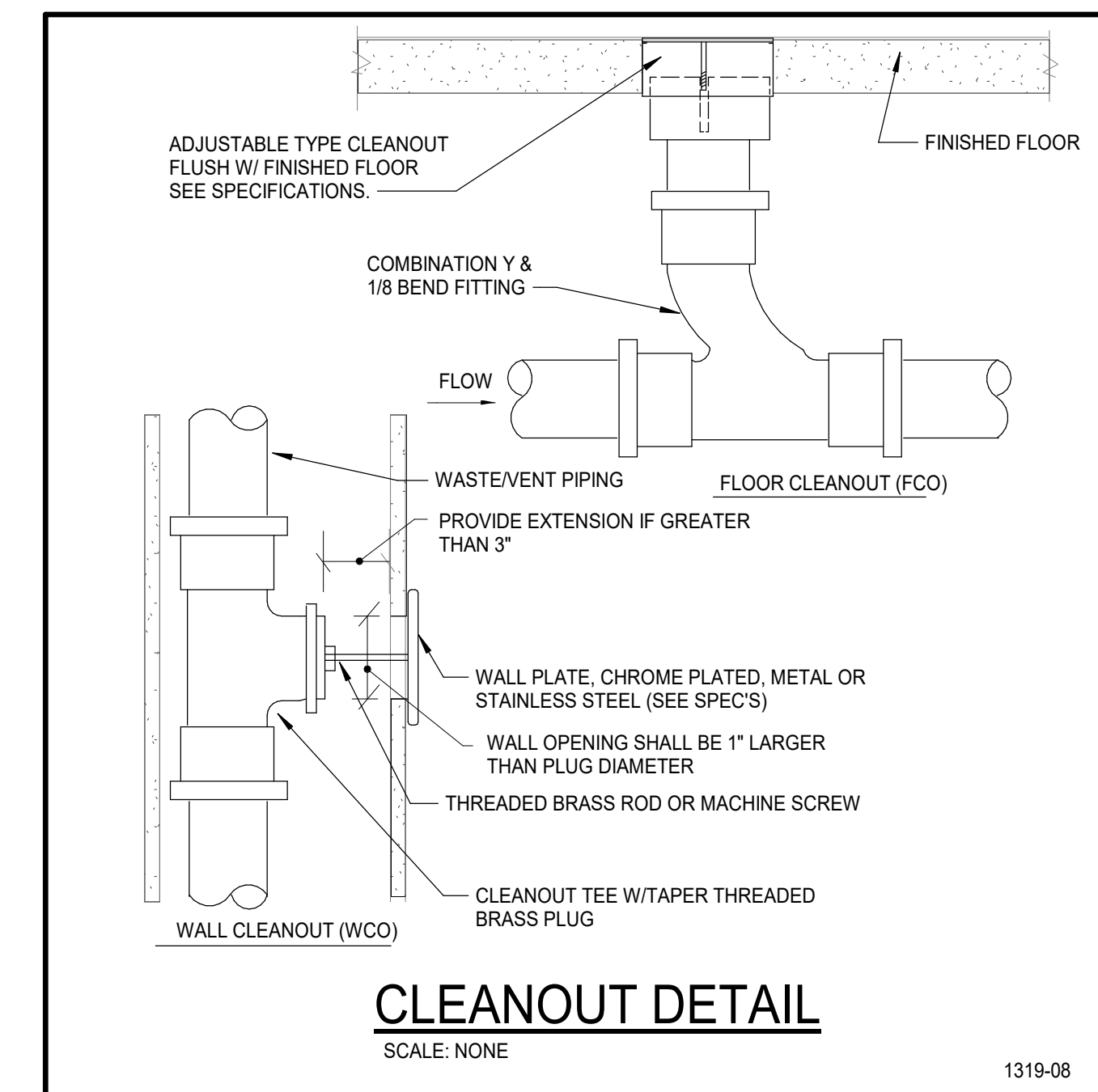
- CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK.
- COORDINATE WORK WITH ALL TRADES.
- SEE ARCHITECTURAL CONSTRUCTION DOCUMENTS FOR EXACT LOCATION OF PLUMBING FIXTURES AND WALLS.
- PROVIDE A WALL CLEANOUT ON ALL VERTICAL VENT PIPING SERVING BELOW GRADE HORIZONTAL WASTE PIPING.

### PLUMBING FIXTURE SCHEDULE

NOTES:															
1. REFER TO GENERAL SPECIFICATIONS FOR WATER CLOSETS, URINALS, LAVATORIES, SINKS AND MISCELLANEOUS FIXTURE REQUIREMENTS.															
2. GRAB BARS BY ARCHITECT.															
3. THIS SCHEDULE INCLUDES ITEMS THAT MAY NOT BE INCLUDED IN THE DRAWING DOCUMENTS.															
4. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND MOUNTING HEIGHT.															
DESIG.	FIXTURE NAME	FIXTURE DESCRIPTION	FIXTURE				TRIM		ELECTRICAL ACCESSORY REQUIREMENTS I/R/BATTERY/HP	FLOW	CONNECTIONS				REMARKS
			MANUFACTURER	MODEL	SIZE	MANUFACTURER	MODEL	WASTE			VENT	CW	HW		
L-1	LAVATORY	ADA WALL MOUNT LAVATORY WITH SINGLE LEVER HANDLE WITH ASSE 1070 SCALD PROTECTION	KOHLER	K-2032	20" X 18"	CHICAGO	420-T	MANUAL	0.5 GPM	1 1/2"	1 1/2"	1/2"	1/2"	PROVIDE WITH WALL CARRIER MATCHED TO WALL CONSTRUCTION.	
S-1	2 COMPT. SINK	SELF-RIMMING, STAINLESS STEEL, DOUBLE BOWL, 29"X18"X7 5/8" SINK WITH MANUAL OPERATED FAUCET	ELKAY	LR2918	29"X18"X7 5/8"	ELKAY	LK1000CR	MANUAL	1.5 GPM	2"	1 1/2"	1/2"	1/2"		
WC-1	WATER CLOSET	ADA FLOOR MOUNT, ELONGATE BOWL WITH MANUAL FLUSH VALVE	KOHLER	K-96057	N/A	SLOAN	REGAL 111	MANUAL	1.6 GPF	4"	2"	1"	-	PROVIDE WITH KOHLER COMMERCIAL SEAT, K-4670.	

### PLUMBING SPECIALTY SCHEDULE

NOTES:					
1. INSTALL PER MANUFACTURE'S INSTALLATION INSTRUCTIONS.					
DESIG.	FIXTURE TYPE	LOCATION	MANUFACTURER	MODEL #	REMARKS
GD-1	GARBAGE DISPOSAL	IN SINK	INSINKERATOR	BADGER 5	HARD WIRED 1/2 HP. PROVIDE WITH WALL SWITCH. REFERENCE ELECTRICAL DRAWINGS



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Project:  
TFSD 2023 CAPITAL IMPROVEMENTS  
PACKAGE 7, RESTROOM REMODEL AT  
O'LEARY MIDDLE SCHOOL

2350 ELIZABETH BLVD  
TWIN FALLS, ID 83301

Sheet:  
**PLUMBING LEGENDS & NOTES**

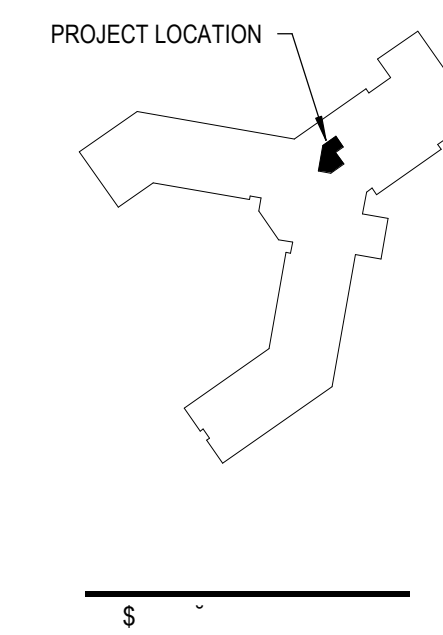
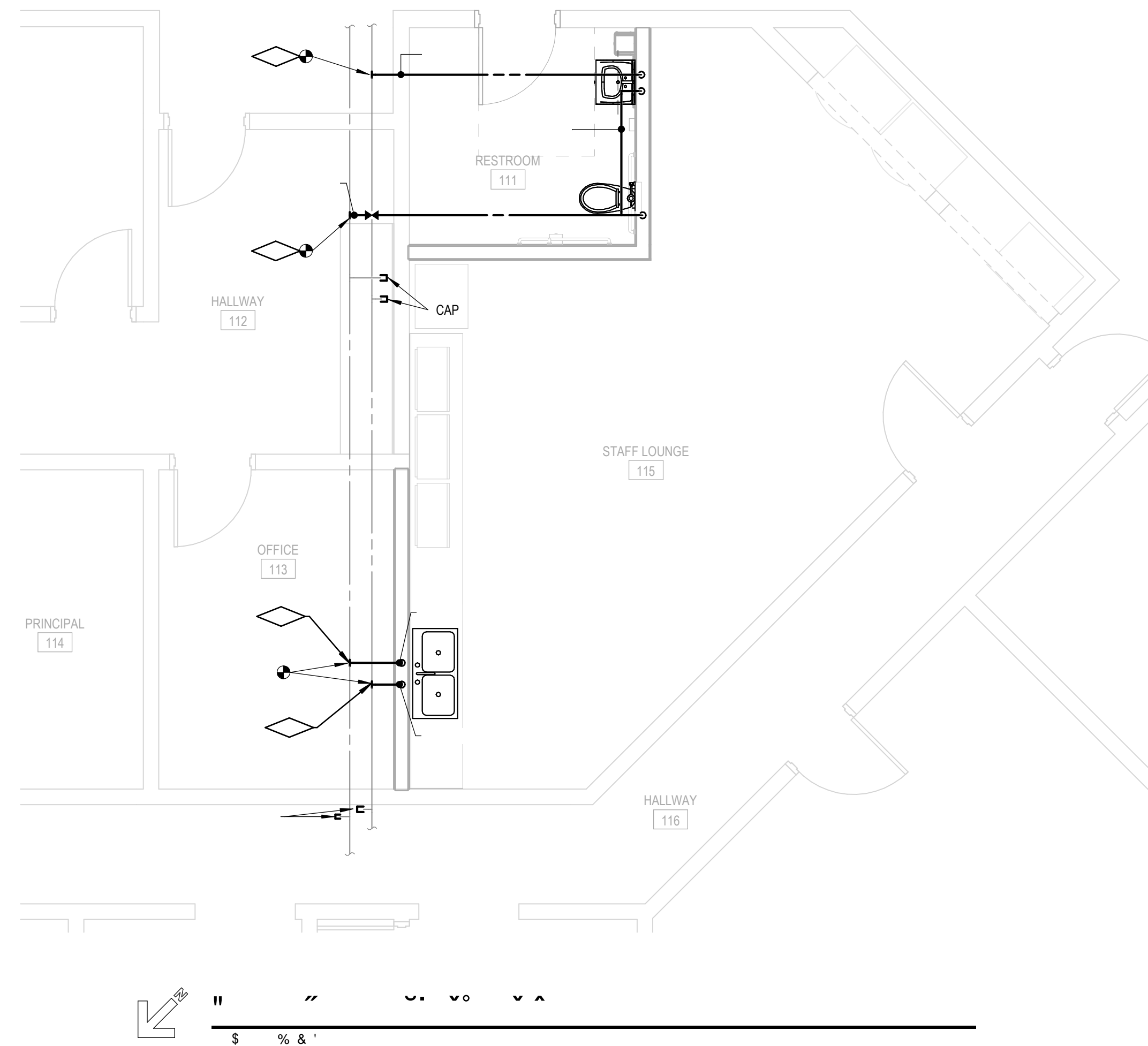
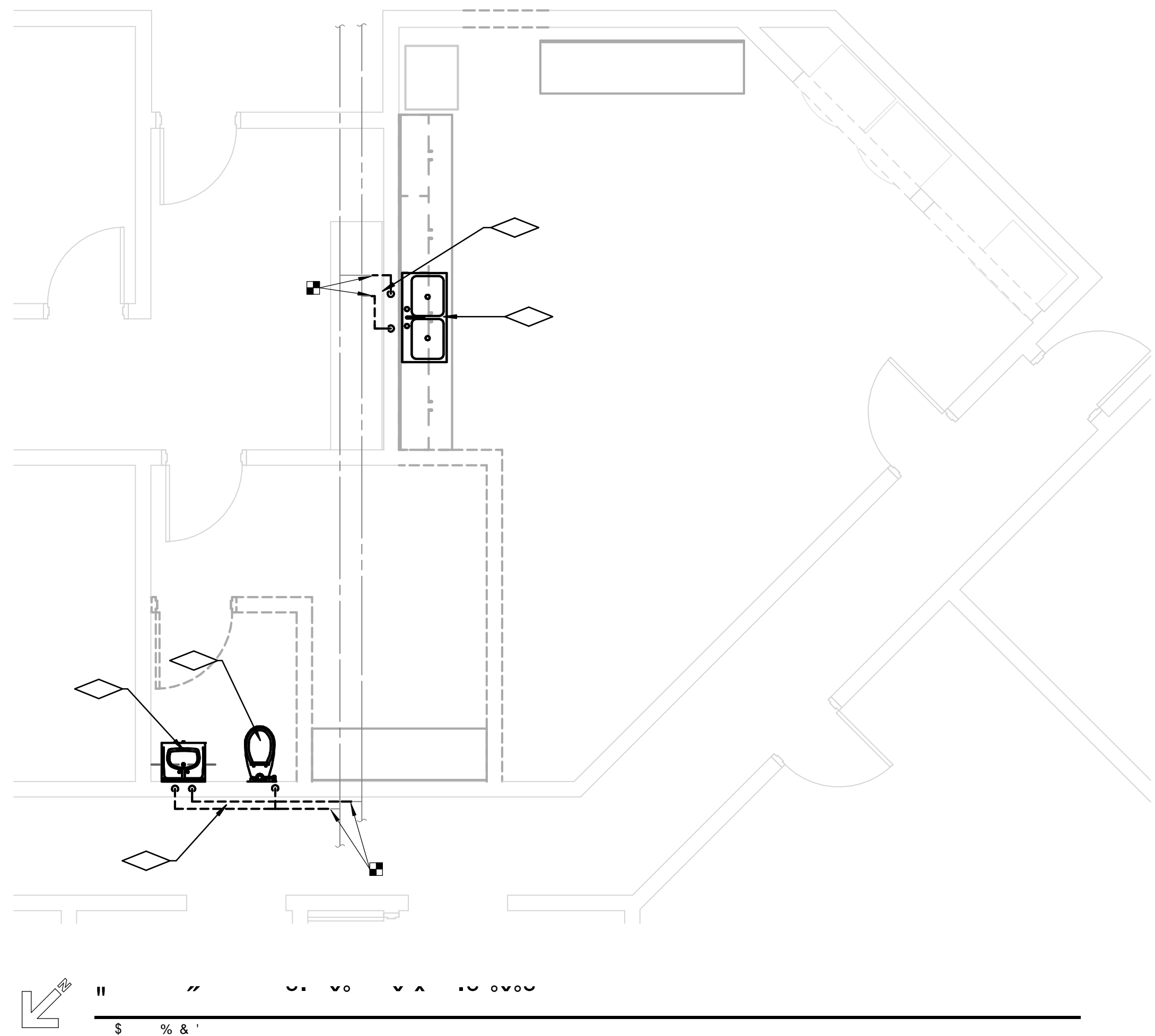


Project No: 23010-00  
Drawn By: BS  
Checked By: LJ  
Date: 12/22/2023

Sheet No:  
**P0.01**

100% CONSTRUCTION DOCUMENTS

NO.	DESCRIPTION	DATE
1	REVISION	
2	REVISION	
3	REVISION	
4	REVISION	
5	REVISION	
6	REVISION	
7	REVISION	
8	REVISION	
9	REVISION	
10	REVISION	



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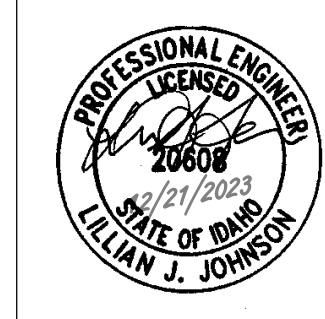
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**Project:**  
 TFSD 2023 CAPITAL IMPROVEMENTS  
 PACKAGE 7, RESTROOM REMODEL AT  
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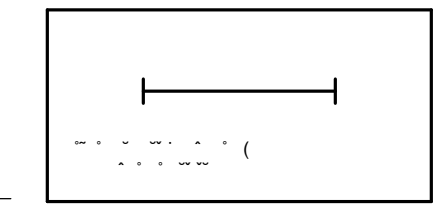
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**LEVEL 1 DOMESTIC WATER  
 PLANS**

100% CONSTRUCTION DOCUMENTS



Project No: 23010-00  
 Drawn By: BS  
 Checked By: LJ  
 Date: 12/22/2023

Sheet No:  
**P2.01**



1

2

3

4

5

6

A

B

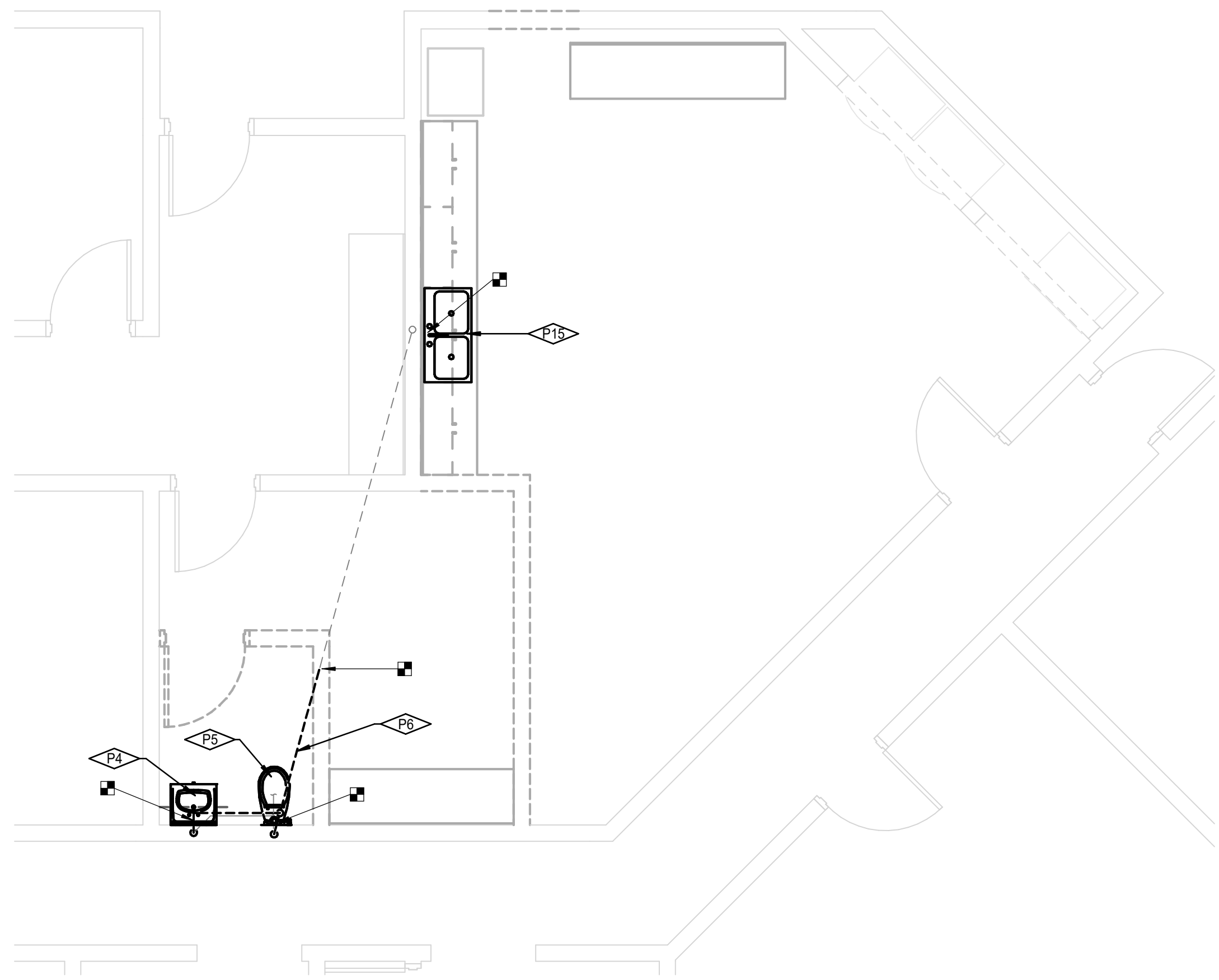
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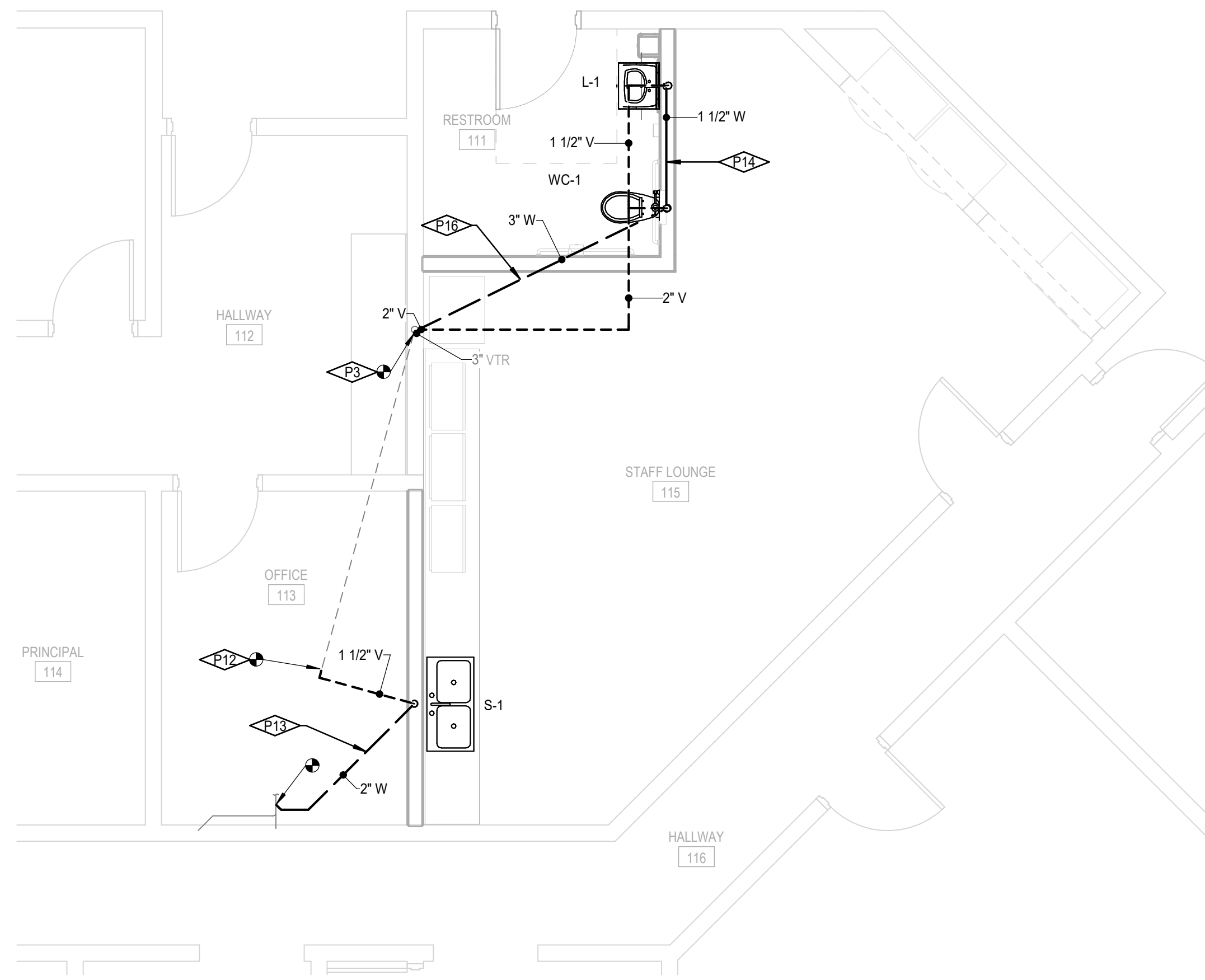
E

### KEYNOTES

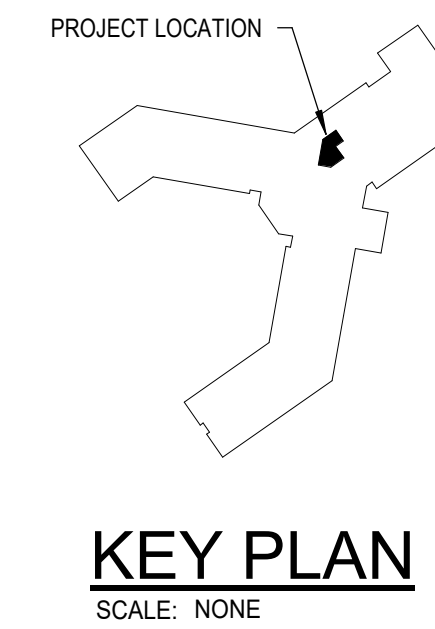
P3	CONNECT NEW 2" VENT TO VERTICAL VENT RISER PIPE. MODIFY EXISTING AS REQUIRED TO MAKE A PROPER CONNECTION.
P4	REMOVE EXISTING LAVATORY AND FAUCET. REMOVE WASTE PIPING BACK INSIDE WALL AND CAP.
P5	REMOVE EXISTING WATER CLOSET. REMOVE WASTE PIPING DOWN BELOW FLOOR SLAB AND CAP.
P6	REMOVE EXISTING VENT PIPING.
P12	CONNECT TO EXISTING VENT PIPING. MODIFY EXISTING PIPING AS REQUIRED TO MAKE A PROPER CONNECTION. PROVIDE REDUCER AS NEEDED.
P13	REMOVE EXISTING FLOOR SLAB AS REQUIRED AND EXTEND NEW WASTE PIPE FROM NEW SINK TO EXISTING WASTE PIPING NEAR DEMOLISHED TOILET. MODIFY EXISTING WASTE PIPING AS REQUIRED TO MAKE A PROPER CONNECTION. CONTRACTOR SHALL VERIFY LOCATION OF EXISTING WASTE PIPING PRIOR TO DEMOLITION OF FLOOR SLAB.
P14	LOCATE NEW 1 1/2" WASTE FROM SINK IN NEW WALL. EXTEND NEAR NEW TOILET AND DROP BELOW EXISTING SLAB.
P15	REMOVE EXISTING COUNTERTOP SINK AND FAUCET. REMOVE EXISTING WASTE BACK INSIDE WALL AND CAP.
P16	REMOVE EXISTING FLOOR SLAB AS REQUIRED AND EXTEND NEW WASTE PIPE FROM TOILET TO NEAREST EXISTING MAIN. MODIFY EXISTING WASTE PIPING AS REQUIRED TO MAKE A PROPER CONNECTION. CONTRACTOR SHALL VERIFY LOCATION OF EXISTING WASTE PIPING PRIOR TO DEMOLITION OF FLOOR SLAB.



**BLDG A-LEVEL 01 - WASTE & VENT DEMOLITION PLAN**  
SCALE: 1/4" = 1'-0"



**BLDG A-LEVEL 01 - WASTE & VENT PLAN**  
SCALE: 1/4" = 1'-0"



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Sheet:  
**LEVEL 1 WASTE & VENT  
PLANS**



Project No: 23010-00  
Drawn By: BS  
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Date: 12/22/2023

Sheet No:  
**P2.11**

1"  
IF LINE DOES NOT MEASURE 1 INCH,  
DRAWING IS NOT TO SCALE.

A

B

C

D

E

POWER LEGEND (Not all symbols listed below are used on these drawings)			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SINGLE RECEPTACLE		ELECTRICAL PANELBOARD, CONTROL PANEL, OR OTHER CABINET AS NOTED
	DUPLEX RECEPTACLE, WALL, CEILING, FLOOR MOUNTED		PLUG MOLD (MULTI-OUTLET ASSEMBLY)
	DOUBLE DUPLEX RECEPTACLE, WALL, CEILING, FLOOR MOUNTED		WIREMOLD (SURFACE RACEWAY)
	SPECIAL RECEPTACLE, WALL, CEILING, FLOOR MOUNTED		CONDUIT CONCEALED
	JUNCTION BOX, WALL, CEILING, FLOOR MOUNTED		CONDUIT UNDERGROUND OR CONCEALED IN FLOOR AS ALLOWED PER SPECIFICATIONS
	DUPLEX RECEPTACLE, HALF CONTROLLED		CONDUIT TURNING DOWN
	DUPLEX RECEPTACLE, FULL CONTROLLED		CONDUIT TURNING UP
	DOUBLE DUPLEX RECEPTACLE, HALF CONTROLLED		CONDUIT CAPPED
	DOUBLE DUPLEX RECEPTACLE, FULL CONTROLLED		GROUND BAR
	SHADING INDICATES EM SYSTEM, LOWER CASE SUBSCRIPT INDICATES SWITCHING, UPPER CASE SUBSCRIPT INDICATES LUMINAIRE TYPE (TV)		MAIN SWITCH-BOARD/DISTRIBUTION CENTER
	TEXT INDICATES PANEL AND CIRCUIT DESIGNATION		TRANSFORMER
	DISCONNECT SWITCH (NON-FUSED)		CURRENT TRANSFORMER
	DISCONNECT SWITCH (FUSED)		THERMOSTAT
	VARIABLE SPEED DRIVE WITH DISCONNECT		GENERATOR ANNUNCIATOR PANEL
	ENCLOSED CIRCUIT BREAKER		POWER POLE
	TOGGLE SWITCH		

LIGHTING LEGEND (Not all symbols listed below are used on these drawings)			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SHADING INDICATES EM SYSTEM, LOWER CASE SUBSCRIPT INDICATES SWITCHING, UPPER CASE SUBSCRIPT INDICATES LUMINAIRE TYPE (TV)		PENDANT LUMINAIRE - SINGLE SUSPENSION
	TROFFER - RECESSED		PENDANT LUMINAIRE - MULTIPLE SUSPENSION
	SURFACE LUMINAIRE		WALL MOUNTED LUMINAIRE
	LINEAR LUMINAIRE - RECESSED		IN-WALL LUMINAIRE
	FIELD MEASURED LUMINAIRE LENGTH AND SHAPE DENOTED BY LINEWORK SUBSCRIPT IN RECTANGLE INDICATES LUMINAIRE TYPE		POLE LUMINAIRE - ARM MOUNTED
	DOWNLIGHT - RECESSED		POLE LUMINAIRE - POST TOP
	DOWNLIGHT - SURFACE		BOLLARD
	EXIT SIGN - CEILING MOUNTED		TRACK HEAD AND TRACK
	EXIT SIGN - WALL MOUNTED (FLUSH TO WALL)		EXTERIOR STAKE MOUNTED
	EXIT SIGN - WALL MOUNTED (PROJECTS FROM WALL)		EMERGENCY LIGHTING UNIT - WALL MOUNTED
	INDICATES EXIT SIGN FACES - SINGLE OR DOUBLE		EMERGENCY LIGHTING UNIT - CEILING MOUNTED
	INDICATES EXIT SIGN CHEVRONS - LEFT/RIGHT OR BOTH		INDICATES DIRECTIONAL AIMING

CONTROLS LEGEND (Not all symbols listed below are used on these drawings)			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SINGLE POLE SWITCH (SUBSCRIPT DENOTES SWITCHING)		VARIABLE SPEED/SPEED CONTROLLER SWITCH
	TWO POLE SWITCH		EXPLOSION PROOF SWITCH
	THREE-WAY SWITCH		THERMAL OVERLOAD SWITCH
	FOUR-WAY SWITCH		MOMENTARY CONTACT SWITCH
	KEY OPERATED SWITCH		COMBINATION SWITCH AND DUPLEX RECEPTACLE
	MANUAL SWITCH, HORSEPOWER RATE		PHOTOCELL
	DIMMER SWITCH		PUSH BUTTON
	SWITCH WITH PILOT LIGHT (PILOT LIGHT IS ON WHEN SWITCH IS ON)		TIME CLOCK
	SWITCH WITH PILOT LIGHT LOCATOR (CONTINUOUSLY LIGHTED HANDLE)		OCCUPANCY SENSOR - WALL MOUNTED
	LOW VOLTAGE SWITCH		IR-INFRARED, ULTRA-SONIC, DUAL-TECHNOLOGY

ABBREVIATIONS LEGEND (Not all symbols listed below are used on these drawings)			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AC	ABOVE COUNTER, MOUNT HORIZONTALLY TO CENTERLINE OF DEVICE, "R" ABOVE COUNTER OR BACK SPLASH	NTS	NOT TO SCALE
AFF	ABOVE FINISHED FLOOR	OC	ON CENTER
AFG	ABOVE FINISHED GRADE	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
ARF	ABOVE RAISED FLOOR	OFDI	OWNER FURNISHED, OWNER INSTALLED
BFG	BELOW FINISHED GRADE	OSWF	ON SITE WORK FORCE
BIO	BIOHAZARD	PB	PULL BOX
C	CONDUIT	PZ	PIEZO/SOUNDER
CATV	CABLE TELEVISION	POS	POINT OF SALES
CCTV	CLOSED CIRCUIT TELEVISION	RO	ROUGH IN ONLY
CTRL	CONTROL	SB	STAND-BY
(E)	EXISTING	SCH	SCHEDULER
EM	EMERGENCY	TC	TIME CLOCK
EP	EMERGENCY PHONE	TP	TAMPER PROOF
ETC	ELAPSE TIME CLOCK	TR	TELECOMMUNICATIONS ROOM
EWB	ELECTRIC WHITE BOARD	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
FA	FIRE ALARM	TYP	TYPICAL
G	GROUND	UF	UNDER FLOOR
I/O P	INPUT / OUTPUT PLATE	UG	UNDER GROUND
LD	LOCK DOWN	UN	UNLESS OTHERWISE NOTED
MAX	MAXIMUM	UPS	UNINTERRUPTIBLE POWER SUPPLY
MIN	MINIMUM	W/	WITH
NC	NORMALLY CLOSED	W/O	WITHOUT
NC	NOT IN CONTRACT	WM	WIREMOLD
NO	NORMALLY OPEN	WP	WEATHER PROOF

TECHNOLOGY LEGEND (Not all symbols listed below are used on these drawings)			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	WALL FIELD		CEILING MOUNTED OUTLET (# = QTY OF CABLES, XXX = SEE BELOW)
	TELECOM GROUND BAR		AV = AUDIO VISUAL, SEC = SECURITY
	WIRE BASKET TRAY		WAP = WIRELESS ACCESS POINT, PRJ = PROJECTOR
	CABLE TRAY		DATA POWER POLE (XXX = SEE BELOW)
	J-HOOK PATHWAY		SEC = SECURITY, SR = SURFACE RACEWAY
	FLOOR SPACE BOX DATA OUTLET (# = QTY OF CABLES)		TELEVISION COAXIAL CABLE (ZZ = ELEVATION)
	POKE-THRU (# = QTY OF CABLES)		CEILING MOUNTED TELEVISION COAXIAL OUTLET
	DATA OUTLET (# = QTY OF CABLES, XXX = SEE BELOW, ZZ = ELEVATION)		FLOOR J-BOX
	D = MEDICAL SUPPLY DISPENSER, RED = RED PHONE		POKE THRU, (XXX = SEE BELOW)
	EEG = EEG NETWORK, T = TRANSLATION PHONE		FF = FURNITURE FEED, AV = AUDIO VISUAL
	EP = EMERGENCY PHONE, TC = TIME CLOCK		WALL MOUNTED J-BOX (XXX = SEE BELOW, ZZ = ELEVATION)
	F = FACP, W = WALL PHONE		CG = CEILING, AV = AUDIO VISUAL
	POS = POINT OF SALE, AV = AUDIO VISUAL		PULLBOX (YY = SIZE)
	RAD = RADIOLOGY NETWORK, PRT = PRINTER		CLOCK OUTLET (XXX = SEE BELOW)
	SR = SURFACE RUNWAY, MFP = MULTI FUNCTIONS PRINTER		DS = DOUBLE SIDED, DIGITAL (PROVIDE 1 CAT 6 CONNECTION)
	BAS = BUILDING AUTOMATION SYSTEM, WP = WEATHER PROOF		A = ANALOG, D = DIGITAL
	SCH = SCHEDULER, SEC = SECURITY		COMBINATION CLOCK/SPEAKER OUTLET (XXX = SEE BELOW)
	CP = CONTROL PANEL, CLK = CLOCK		CEILING MOUNTED CLOCK
			DISTRIBUTED ANTENNA SYSTEM
			WIRELESS ACCESS POINT ENCLOSURE
			EQUIPMENT RACK
			WIRE MANAGER
			CABINET

REFERENCE SYMBOLS LEGEND (Not all symbols listed below are used on these drawings)			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	KEY NOTE REFERENCE		KITCHEN/OWNER/MEDICAL EQUIPMENT REFERENCE
	TYPICAL CIRCUIT NUMBER		EXISTING TO REMAIN
	TYPICAL LUMINAIRE TYPE		EXISTING TO BE REMOVED
	TYPICAL ROOM REFERENCE (TOP = RM #, BOTTOM = FLR)		EXISTING TO BE RELOCATED
	MECHANICAL EQUIPMENT REFERENCE		EXISTING TO REMAIN - REPLACE DEVICE
	LIGHTING CONTROL / EQUIPMENT REFERENCE		EXISTING TO BE REMOVED AND REPLACED
	ELECTRICAL ACCESSORIES REFERENCE		

ABBREVIATIONS LEGEND (Not all symbols listed below are used on these drawings)			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
A	AMPERES	MCP	MOTOR CIRCUIT PROTECTOR
AC	ABOVE COUNTER, MOUNT HORIZONTALLY TO CENTERLINE OF DEVICE, "R" ABOVE COUNTER OR BACK SPLASH	MEC	SEE MECHANICAL EQUIPMENT SCHEDULE
AFF	ABOVE FINISHED FLOOR	MIN	MINIMUM
AFG	ABOVE FINISHED GRADE	MLO	MAIN LUGS ONLY
ANN	ANNUNCIATOR	MTS	MANUAL TRANSFER SWITCH
ARF	ABOVE RAISED FLOOR	NC	NORMALLY CLOSED
ASDD	AIR SAMPLING SMOKE DETECTION	NIC	NOT IN CONTRACT
ATS	AUTOMATIC TRANSFER SWITCH	NL	NIGHT LIGHT
BFG	BELOW FINISHED GRADE	NO	NORMALLY OPEN
C	CONDUIT	NTS	NOT TO SCALE
CATV	CABLE TELEVISION	OC	ON CENTER
CB	CIRCUIT BREAKER	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
CCTV	CLOSED CIRCUIT TELEVISION	OFDI	OWNER FURNISHED, OWNER INSTALLED
(E)	EXISTING	OSWF	ON SITE WORK FORCE
EM	EMERGENCY	PB	PULL BOX
EMDC	EMERGENCY MAIN DISTRIBUTION CENTER	SB	STAND-BY
EP	EXPLOSION PROOF	SDC	SUB-DISTRIBUTION CENTER
EPO	EMERGENCY POWER OFF	TP	TAMPER PROOF
EVO	EMERGENCY VENTILATION ON/OFF	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
EWC	ELECTRIC WATER COOLER	UF	TYPICAL
FA	FIRE ALARM	UF	UNDER FLOOR
G	GROUND	UG	UNDER GROUND
GCP	GENERATOR CONTROL PANEL	UN	UNLESS OTHERWISE NOTED
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	UPS	UNINTERRUPTIBLE POWER SUPPLY
HOA	HAND OFF AUTOMATIC	V	VOLTS
IG	ISOLATED GROUND	VFD	VARIABLE FREQUENCY DRIVE
MAX	MAXIMUM	W/	WITH
MCB	MAIN CIRCUIT BREAKER	W/O	WITHOUT
MCC	MOTOR CONTROL CENTER	WP	WEATHER PROOF
MDC	MAIN DISTRIBUTION CENTER	XFR	TRANSFORMER

ONE-LINE DIAGRAM LEGEND (Not all symbols listed below are used on these drawings)			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	DISCONNECT SWITCH		PANELBOARD "A"
	DISCONNECT SWITCH, FUSED		EM-ENERGY METER, PIM-POWER METER, CM-CIRCUIT MONITOR
	CIRCUIT BREAKER		VOLTMETER TEST SWITCH
	FUSE		AMMETER TEST SWITCH
	GROUND		VOLTMETER
	STEP DOWN TRANSFORMER, # INDICATES KVA		AMMETER
	K-RATED STEP DOWN TRANSFORMER # INDICATES KVA, # INDICATES K RATING		SEE FEEDER/MOTOR TRANSFORMER SCHEDULES FOR FEEDER SIZE
	CURRENT TRANSFORMER		ENGINE GENERATOR
	POTENTIAL TRANSFORMER		CONTACTOR RELAY CAPACITOR (AS NOTED)
	SERVICE ENTRANCE TRANSFORMER		TRANSFER SWITCH - ATS-AUTOMATIC, MTS-MANUAL
	METER		GROUND FAULT INTERRUPTER
	EQUIPMENT ENCLOSURE		SURGE PROTECTIVE DEVICE
	SERVICE WEATHERHEAD		SHUNT TRIP
	SHORT CIRCUIT CURRENT AVAILABLE		TERMINATIONS LB-LOAD BREAK, NLB-NO LOAD BREAK
	KIRK KEY INTERLOCK, SUBSCRIPT INDICATES INTERLOCKED GROUP		DRAW-OUT DEVICE
	ELECTRICAL INTERLOCK, SUBSCRIPT INDICATES INTERLOCKED GROUP		PLUG-IN DEVICE
	MECHANICAL INTERLOCK		ELECTRICALLY OPERATED

SECURITY LEGEND (Not all symbols listed below are used on these drawings)			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	WALL FIELD		CARD READER (XXX = SEE BELOW)
	INTERCOM STATION		BIO = BIOMETRIC, KP = INTEGRATED KEYPAD
	INTERCOM MASTER STATION		IL = INTEGRATED LOCK, CB = CODE BLUE ELEVATOR CALL
	DOOR AUTO OPENER		DOOR CONTACT
	MOTION DETECTOR		ELECTRIC DOOR LOCK
	CEILING MOUNTED MOTION DETECTOR		ELECTRIC DOOR STRIKE
	GLASS BREAK DETECTOR		REQUEST TO EXIT
	CEILING MOUNTED GLASS BREAK DETECTOR		ELECTRIC HINGE
	PUSH PAD		ELECTRIC POWER TRANSFER
	KEYPAD		POWER SUPPLY
	FIXED P/TZ SECURITY CAMERA (LG MOUNTED)/XXX-CAMERA SCHEDULE NUMBER)		MAGNETIC DOOR LOCK
	FIXED SECURITY CAMERA, WALL MOUNTED/XXX-CAMERA SCHEDULE NUMBER)		LOCK OUT
	MULTI SENSOR SECURITY CAMERA (XXX-CAMERA SCHEDULE NUMBER)		LOCK DOWN
	EMERGENCY CALL BOX		DOOR RELEASE
			SECURITY CAMERA FIELD OF VIEW

REFERENCE SYMBOLS LEGEND (Not all symbols listed below are used on these drawings)			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	NOTE REFERENCE		DOOR NUMBER
	OWNER/MEDICAL EQUIPMENT REFERENCE		EXISTING TO BE RELOCATED
	# = TYPICAL LAYOUT TYPE		TR ZONE LINE
	T# = LOCATION OF TYPICAL LAYOUT TYPE INFORMATION		REVISION

LIGHTING PLAN NOTES:

- REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR EXACT MOUNTING LOCATIONS OF DEVICES AND LUMINAIRES.
- COORDINATE LUMINAIRE LOCATIONS WITH MECHANICAL PIPING, DUCTWORK, ETC., TO AVOID CONFLICTS. SEE SPECIFICATIONS FOR COORDINATION REQUIREMENTS.
- PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH 120V AND 277V CIRCUIT.
- CIRCUITS MAY BE COMBINED INTO HOMERUNS OF UP TO SIX (6) CURRENT CARRYING CONDUCTORS, INCLUDING NEUTRALS, UNLESS OTHERWISE INDICATED. WHERE CIRCUITS ARE COMBINED WITHIN A SINGLE CONDUIT, PROVIDE STRIPPING FOR FULL LENGTH OF NEUTRAL CONDUCTOR INSULATION TO MATCH THE COLOR CODE OF THE ASSOCIATED PHASE CONDUCTOR. SEE SPECIFICATION FOR COLOR CODES.
- FIELD COORDINATE EXACT LOCATION OF CEILING MOUNTED OCCUPANCY SENSORS PER MANUFACTURER'S INSTRUCTIONS. OCCUPANCY/VACANCY SENSING DEVICES ARE SHOWN FOR GENERAL DESIGN INTENT ONLY. CONTRACTOR SHALL PROVIDE THE TYPE AND QUANTITY OF OCCUPANCY/VACANCY SENSING DEVICES AS NECESSARY FOR PROPER COVERAGE AND CONTROL OF LUMINAIRES WHERE INDICATED ON THE LIGHTING PLANS. FIELD ADJUSTMENT TO DEVICE LOCATIONS SHALL BE MADE AS REQUIRED TO CAPTURE ALL OCCUPANTS, WHETHER SITTING AT A DESK OR MOVING AROUND THE SPACE. ADDITIONAL DEVICES SHALL BE PROVIDED AND FIELD ADJUSTMENTS SHALL BE MADE AS NECESSARY, AT NO ADDITIONAL COST TO OWNER. CONTRACTOR SHALL PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.

POWER PLAN NOTES:

- RECEPTACLES INDICATED TO BE MOUNTED ABOVE COUNTER ARE TO BE MOUNTED HORIZONTALLY 6" ABOVE COUNTER UNLESS OTHERWISE NOTED.
- COORDINATE AND VERIFY EXACT MOUNTING LOCATIONS OF WALL AND FLOOR DEVICES WITH ARCHITECTURAL ELEVATIONS, AND ANY FURNITURE OR SPECIALTY EQUIPMENT SUPPLIER DRAWINGS PRIOR TO ROUGH-IN.
- NO RECEPTACLES SHALL BE MOUNTED BELOW +18" AFF.
- PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH 120V CIRCUIT.
- CIRCUITS MAY BE COMBINED INTO HOMERUNS OF UP TO SIX (6) CURRENT CARRYING CONDUCTORS, INCLUDING NEUTRALS, UNLESS OTHERWISE INDICATED. WHERE CIRCUITS ARE COMBINED WITHIN A SINGLE CONDUIT, PROVIDE STRIPPING FOR FULL LENGTH OF NEUTRAL CONDUCTOR INSULATION TO MATCH THE COLOR CODE OF THE ASSOCIATED PHASE CONDUCTOR. SEE SPECIFICATION FOR COLOR CODES.
- GFCI RECEPTACLES ARE NOT GENERALLY SHOWN ON DRAWINGS. ALL RECEPTACLE OUTLETS LOCATED IN TOILET ROOMS, SHOWER ROOMS, LOCKER ROOMS, GARAGES, SERVICE BAYS, ROOFTOPS, OUTDOOR LOCATIONS, MECHANICAL ROOMS, WITHIN 6 FEET OF A SINK, AT ELECTRIC WATER COOLERS, OR OTHER WET LOCATIONS SHALL BE PROVIDED WITH GFCI PROTECTION PER NEC ARTICLE 210 AND NEC SECTION 422.6. PROVIDE GFCI RECEPTACLES IN ELEVATOR PITS, HOISTWAYS, MACHINE ROOMS, CONTROL SPACES, AND CONTROL ROOMS PER NEC SECTION 420.85. ADDITIONAL GFCI PROTECTION TO BE PROVIDED AS INDICATED. WHERE GFCI DEVICES ARE REQUIRED AND/OR SHOWN BUT ARE NOT ACCESSIBLE WHEN EQUIPMENT IS INSTALLED, I.E. VENDING MACHINES, ETC., PROVIDE BLANK FACE GFCI DEVICE AND COVERPLATE AHEAD OF INACCESSIBLE RECEPTACLES. MOUNT ADJACENT TO EQUIPMENT AT SWITCH HEIGHT UNLESS OTHERWISE SHOWN.

ONE-LINE DIAGRAM NOTES:

- PANELBOARDS INDICATED ON ONE-LINE DIAGRAMS DO NOT SHOW ALL BRANCH CIRCUITS. REFER TO PANELBOARD SCHEDULE(S).
- EQUIPMENT SHOWN SHADED REPRESENTS STANDBY POWERED SERVICES.
- PROVIDE CONTINUOUS #10 AWG INSULATED COPPER CONDUCTOR FOR BONDING THE EQUIPMENT GROUNDING TERMINAL BUSES OF THE NORMAL AND ESSENTIAL BRANCH CIRCUIT PANELBOARDS SERVING THE SAME INDIVIDUAL PATIENT WING.
- ADJUSTABLE BREAKERS SHALL BE SOLID STATE TRIP. CIRCUIT BREAKER TRIP FUNCTIONS: L=LONG TIME, S=SHORT TIME, INSTANTANEOUS, G=GROUND FAULT, Z=ZONE SELECT INTERLOCK, A=GROUND FAULT ALARM ONLY
- EXISTING ONE-LINE DIAGRAM TAKEN FROM OWNER FURNISHED DRAWINGS. EXISTING INFORMATION SHOWN OTHER THAN LOCATIONS IMPACTED BY NEW WORK HAS NOT BEEN VERIFIED.
- COORDINATE MOUNTING, CONDUIT, WIRE, AND OCPD SIZE FOR SPD'S WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.

GENERAL NOTES:

- FOR REMODELING WORK INCLUDED IS DENOTED IN BOLD. EXISTING CONDITIONS TO REMAIN ARE DENOTED LIGHTLY.
- PROTECT STRUCTURE AND OWNER EQUIPMENT FROM DAMAGE. IMMEDIATELY REPLACE OR REPAIR TO ORIGINAL CONDITION, DAMAGE CAUSED BY THE CONTRACTOR WHETHER EQUIPMENT APPEARS TO BE CURRENTLY IN USE OR NOT. UNLESS WRITTEN AUTHORIZATION FROM THE OWNER INDICATED OTHERWISE, PREPARE LISTING OF ALL EXISTING DAMAGED ITEMS AND SUBMIT TO OWNER PRIOR TO BEGINNING WORK.
- INSTALL CONDUIT CONCEALED IN FINISHED AREAS UNLESS OTHERWISE NOTED. PAINT EXPOSED CONDUIT TO MATCH EXISTING FINISHES WITHIN THE SUBSEQUENT WORK AREA.
- EXISTING INFORMATION SHOWN ON THE DRAWINGS HAS BEEN TAKEN FROM OWNER FURNISHED DRAWINGS AND/OR LIMITED FIELD OBSERVATIONS. CATOR, RUMA & ASSOCIATES IS NOT RESPONSIBLE FOR THE ACCURACY OF ANY INFORMATION OR THE ADEQUACY, SAFETY AND CONFORMANCE TO CURRENT PREVAILING CODES OF ANY WORK SHOWN AS EXISTING ON THESE DRAWINGS.
- PROVIDE SEPARATE INSULATED EQUIPMENT GROUNDING CONDUCTOR IN ALL FEEDER, HOMERUN AND BRANCH CIRCUITS.

DEMOLITION NOTES:

- UNLESS NOTED OTHERWISE, BOLD ITEMS INDICATE EQUIPMENT, DEVICES, ETC. TO BE REMOVED. SEE SPECIFICATION SECTION 260500 FOR REMODEL/DISMANTLING DETAILED REQUIREMENTS.
- DEMOLITION DRAWINGS MAY NOT SHOW EVERY ITEM TO BE DEMOLISHED. CONTRACTOR SHALL VISIT SITE TO DETERMINE AND COORDINATE THE EXACT EXTENT OF DEMOLITION TO FACILITATE ALL WORK INDICATED BY THE CONTRACT DOCUMENTS PRIOR TO QUOTATION. NO EXTRAS WILL BE ALLOWED FOR WORK REQUIRED TO ACHIEVE THE END RESULT AS INDICATED BY THE CONTRACT DOCUMENTS. REWORK EXISTING TERMINATIONS, CONNECTIONS, CONDUIT, WIRING, ETC. TO ACCEPT NEW WORK. MAINTAIN CIRCUIT CONTINUITY TO EXISTING CIRCUITS AND DEVICES TO REMAIN OR REMODEL/DISM

# COMcheck Software Version COMcheckWeb Interior Lighting Compliance Certificate

## Project Information

Energy Code: 2018 IECC  
Project Title: TFSD O'Leary Middle School  
Project Type: Alteration

Construction Site: Twin Falls, Idaho  
Owner/Agent: Twin Falls School District  
Designer/Contractor: Randy Munn, Cator Ruma & Associates, 420 S Orchard St #1238, Boise, Idaho 83705, (208) 343-3663, rmm@catoruma.com

## Allowed Interior Lighting Power

A Area Category	B Floor Area (ft <sup>2</sup> )	C Allowed Watts / ft <sup>2</sup>	D Allowed Watts
1-Classroom (School/University)	630	0.81	510
Total Allowed Watts =			510

## Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps / Fixture	C # of Fixture (C X D)	D Watt.	E
Classroom (School/University, 630 sq.ft.)				
LED: D3: RE: LUMINAIRE SCHEDULE: Other:	1	1	22	22
LED: T1: RE: LUMINAIRE SCHEDULE: Other:	1	8	40	320
LED: W1: RE: LUMINAIRE SCHEDULE: Other:	1	1	21	21
Total Proposed Watts =			364	

## Interior Lighting PASSES

### Statement of Compliance

The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Kyle Olson, PE - Electrical Engineer  
Signature: *KLO*  
Date: 12/21/2023

### Panel LA3 EXISTING

Location: Voltage: 480/277 Wye  
Supply From: Phase: 3  
Mounting: Surface Wire: 4  
Enclosure: Type 1  
A.I.C. Rating: 10,000  
Mains Type: MCB  
Bus Rating: 200 A  
MCB Rating: 70 A

Circuit Notes:  
1. PROVIDE CIRCUIT BREAKER IN SPACE TO MATCH EXISTING.

Note	Circ.	Load	Type	Trip	Po...	A	B	C	Po...	Trip	Type	Load	Circ...	Note
1	WEST CAFETERIA	--	20 A	1	0 VA	0 VA			1	20 A	--	OFFICE N HALL	2	
3	EAST CAFETERIA	--	20 A	1					1	20 A	--	OFFICE S HALL	4	
5	RM 10.11	--	20 A	1					1	20 A	--	FACILITY LOUNGE	6	
7	RM 13, BR1, E CAFE, RR	--	20 A	1	0 VA	0 VA			1	20 A	--	OFFICE PRINCIPAL	8	
9	MAIN CORR LIGHTS	--	20 A	1					1	20 A	--	LIGHTS LIBRARY	10	
11	LIGHTS CORR	--	20 A	1					1	20 A	--	LIGHTS SW LIBRARY	12	
13	LIGHTS ENTRY	--	20 A	1					1	20 A	--	LIGHTS SE LIBRARY	14	
15	LIGHTS KITCHEN	--	20 A	1	0 VA	0 VA			1	20 A	--	LIGHTS ROOM 17	16	
17	LIGHTS OUTSIDE	--	20 A	1					1	20 A	--	LIGHTS	18	
19	LIGHTS OUTSIDE	--	20 A	1	0 VA	0 VA			1	20 A	--	LIGHTS	20	
21	LIGHTS OUTSIDE	--	20 A	1					1	20 A	--	LIGHTS CAF. UNDR MEZ	22	
23	LIGHTS OUTSIDE	--	20 A	1					1	20 A	--	EXIT LIGHTS	24	
25	LIGHTS OUTSIDE	--	20 A	1	0 VA	0 VA			1	20 A	--	EXIT LIGHTS	26	
27	OUTSIDE POLE LIGHTS	--	20 A	1					1	20 A	--	SPARE	28	
29	OUTSIDE POLE LIGHTS	--	20 A	1					1	20 A	--	FIRE PANEL	30	
31	EUH-1	--	20 A	1	0 VA	0 VA			3	125 A	Spare	PANEL PA3 VIA XFMR	32	
33	EUH-2	--	20 A	1									34	
35	SPARE	--	20 A	1									36	
37		--	20 A	1									38	
39		--	20 A	1									40	
41		--	20 A	1									42	
Total Load:						3376 VA	2770 VA	1660 VA						
Total Amps:						13 A	11 A	6 A						
Phase Balance:						21 % A-B	77 % B-C	114 % C-A						
<b>Load Type</b>														
L Lighting														
R Receptacle														
M Motor														
C Continuous														
G General														
K Kitchen														
E Existing														
O Other														
Total Connected Load: 7806 VA														
Total Demand Current: 9 A														
Total Demand Load: 7806 VA														
Total Demand Current: 9 A														

### Panel PA4 NEW

Location: Voltage: 120/208 Wye  
Supply From: T-PA4  
Mounting: Surface  
Enclosure: Type 1  
A.I.C. Rating: 10,000  
Mains Type: MCB  
Bus Rating: 125 A  
MCB Rating: 125 A

Circuit Notes:

Note	Circ.	Load	Type	Trip	Po...	A	B	C	Po...	Trip	Type	Load	Circ...	Note	
1	R-OFFICE 113	--	20 A	1	900 VA	1176 VA			1	20 A	G	GARBAGE DISPOSAL	2		
3	R-STAFF LNGE 115/RR	--	20 A	1			720 VA	750 VA		1	20 A	G	REFRIGERATOR	4	
5	VENDING MACHINE	--	20 A	1				500 VA	800 VA	1	20 A	G	MICROWAVE	6	
7	VENDING MACHINE	--	20 A	1	500 VA	800 VA				1	20 A	G	MICROWAVE	8	
9	VENDING MACHINE	--	20 A	1			500 VA	800 VA		1	20 A	G	MICROWAVE	10	
11	R-STAFF LNGE 115 AC	--	20 A	1				360 VA	0 VA	1	20 A	--	SPARE	12	
13	SPACE	--	--	--	--	0 VA				1	20 A	--	SPARE	14	
15	SPACE	--	--	--	--	0 VA				1	20 A	--	SPARE	16	
17	SPACE	--	--	--	--	0 VA				1	20 A	--	SPARE	18	
19	SPACE	--	--	--	--	0 VA				1	20 A	--	SPARE	20	
21	SPACE	--	--	--	--	0 VA				1	20 A	--	SPARE	22	
23	SPACE	--	--	--	--	0 VA				1	20 A	--	SPARE	24	
25	SPACE	--	--	--	--	0 VA				1	20 A	--	SPARE	26	
27	SPACE	--	--	--	--	0 VA				1	20 A	--	SPARE	28	
29	SPACE	--	--	--	--	0 VA				1	20 A	--	SPARE	30	
31	SPACE	--	--	--	--	0 VA				1	20 A	--	SPARE	32	
33	SPACE	--	--	--	--	0 VA				1	20 A	--	SPARE	34	
35	SPACE	--	--	--	--	0 VA				1	20 A	--	SPARE	36	
37	SPACE	--	--	--	--	0 VA				1	20 A	--	SPARE	38	
39	SPACE	--	--	--	--	0 VA				1	20 A	--	SPARE	40	
41	SPACE	--	--	--	--	0 VA				1	20 A	--	SPARE	42	
Total Load:						3376 VA	2770 VA	1660 VA							
Total Amps:						30 A	25 A	14 A							
Phase Balance:						21 % A-B	77 % B-C	114 % C-A							
<b>Load Type</b>															
L Lighting															
R Receptacle															
M Motor															
C Continuous															
G General															
K Kitchen															
E Existing															
O Other															
Total Connected Load: 7806 VA															
Total Demand Current: 22 A															
Total Demand Load: 7806 VA															
Total Demand Current: 22 A															

Project Title: TFSD O'Leary Middle School  
Data Filename: Report date: 12/21/23  
Page 1 of 5

## FEEDER SCHEDULE

KEY	CONDUCTORS	C"
XFMR	SEE TRANSFORMER SCHEDULE	SEE TRANSFORMER SCHEDULE

## TRANSFORMER SCHEDULE

REMARKS:

- OVERCURRENT PROTECTION IS SIZED PER NEC 450.3.
- ALL CONDUCTORS ARE COPPER. SEE PLANS FOR INCREASED CONDUCTOR SIZES DUE TO VOLTAGE DROP, ETC.
- SECONDARY BONDING AND GROUNDING CONDUCTORS ARE SIZED PER NEC 250.66 AND 250.102.
- DIMENSIONS, WEIGHTS & BTUH OUTPUT SHOWN ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY FROM MANUFACTURER TO MANUFACTURER.
- FOR R-RATED TRANSFORMERS, PROVIDE PARALLEL NEUTRAL CONDUCTORS LUGS AT TRANSFORMERS, LOW VOLTAGE PANELBOARD, DISCONNECTS AND/OR LOAD.
- CONDUIT 40% FILL RATIO IS BASED ON EMT.

Type	PRIMARY						SECONDARY						DIMENSIONS											
	PRI FLA	FLA	SEC FLA	CB	SWITCH	FUSE	CONDUCTORS	C"	CB	SWITCH	FUSE	CONDUCTORS	C"	CONDUCTORS	C"	HIGH	WIDE	DEEP	WEIGHT	BTUH	OTPT	NOTE		
T45	54.1	124.9	70 A	3 P	100 A	3 P	FRS-R-70	3 # 4, 1 # 8	G1-1/4"	150 A	3 P	200 A	3 P	FRN-R-150	4 # 10, 1 # 6	G1-1/2"	1 # 6	3/4"	39.25	26.13	20	480	7425	

## LIGHTING CONTROL MATRIX

COMMON NOTES:

- NOT ALL SPACE NAMES ARE LISTED FOR EACH LIGHTING CONTROL TYPE. REFER TO PLANS FOR ALL SPACES TO BE CONTROLLED.
- SPACES MAY CONTAIN MULTIPLE ZONES OF CONTROL. REFER TO PLANS FOR QUANTITY OF ZONES, SWITCHES, ETC.
- PROVIDE THE QUANTITY OF SENSORS AS REQUIRED FOR FULL COVERAGE OF THE SPACE. DEVICES SHOWN ON PLAN ARE FOR DESIGN INTENT ONLY AND DO NOT NECESSARILY REFLECT THE EXACT QUANTITY REQUIRED FOR FULL COVERAGE.
- WHERE A SINGLE SWITCH/DIMMER IS DENOTED WITH MULTIPLE SWITCH LEGS, DESIGN INTENT IS A SINGLE-GANG DEVICE WITH MULTIPLE-MODE CONTROL.
- ALL NON-NETWORKED SPACES WITH SENSORS SHALL BE PROVIDED WITH MANUAL "OFF" MEANS.
- WHERE NETWORKED SPACES HAVE NO MANUAL "OFF" MEANS WITHIN SPACE, PROVIDE LABELED MEANS OF SHUTOFF AT CONTROLLER LOCATION FOR NO MORE THAN 5,000 SQUARE FEET.

SPECIFIC REMARKS:

KEY:

ON / OFF CONTROL: M = MANUAL (SWITCH), A = AUTOMATIC (SENSOR), T = TIME SCHEDULE, P = EXTERIOR PHOTOCELL, % = CONTROL TO % LIGHT LEVEL

DAYLIGHT: DT = DUAL TECHNOLOGY, PIR = PASSIVE INFRARED, CLG = CEILING MOUNT, WALL = WALL CORNER MOUNT, SW = INTEGRAL TO WALL SWITCH

INTERFACE: AV = ALLOW OVERRIDE BY AV SYSTEM, BAS = COMMUNICATE OCCUPIED/OCCUPIED STATE TO BAS, VAV = THE SENSOR RELAY DIRECTLY TO VAV BOX IN ROOM NETWORK, X = CONNECT ZONE TO CENTRAL LIGHTING CONTROL SYSTEM

EMERGENCY: X = PROVIDE AUTOMATIC LOAD CONTROL RELAYS (ALCR) FOR LUMINAIRES ON EMERGENCY CIRCUIT, PROVIDE TEST SWITCH IF NOT INTEGRAL TO RELAY

TYPE	SPACE	ON	OFF	CONTROL	OCCUPANCY / VACANCY SENSOR			DAYLIGHT SENSOR			INTERFACE	NETWORK	EMERGENCY	REMARKS
					TECH	MOUNT	DELAY (MIN)	TARGET LEVEL (FC)	MEASURED HEIGHT (IN)					
LC2	RESTROOM	A	A		DT	SW	20							
LC8	PRIVATE OFFICE	M	A	0-10V	DT	CLG	5							
LC10	LOUNGE	M	A	0-10V	DT	CLG	20							

## GENERAL EQUIPMENT SCHEDULE

COMMON NOTES:

- PRIOR TO WORK, VERIFY ELECTRICAL REQUIREMENTS (VOLTAGE, AMPERAGE, RECOMMENDED OCPD, CONDUCTORS, AND DISCONNECT) FOR EACH PIECE OF EQUIPMENT.
- PRIOR TO WORK, VERIFY EXACT LOCATION FOR EACH PIECE OF EQUIPMENT WITH ARCHITECT AND/OR OWNER.

SPECIFIC REMARKS:

KEY	ITEM	HP	FLA	LOAD	EQ LOAD (VA)	VOLTAGE	WIRE	GROUND	CONDUIT	BREAKER	PROTECTION	FUSE	REMARKS
GD	GARBAGE DISPOSAL	0.5	0 A	0 VA	1176 VA	120 V/ 1ph	#12	#12G	3/4"	20 A	CLEAR		
MCR	MICROWAVE	0	0 A	800 VA	800 VA	120 V/ 1ph	#12	#12G	3/4"	20 A	CLEAR		
REF	REFRIGERATOR	0	0 A	750 VA	750 VA	120 V/ 1ph	#12	#12G	3/4"	20 A	CLEAR		
VEND	VENDING MACHINE	0	0 A	500 VA	500 VA	120 V/ 1ph	#12	#12G	3/4"	20 A	CLEAR		

## ELECTRICAL ONE-LINE DIAGRAM

SCALE: NONE

## KEYNOTES

E2 PROVIDE 3-PHASE DIGITAL RECORDING METER AT LOCATION INDICATED FOR A PERIOD OF 30 DAYS PRIOR TO SUBMITTING FOR PERMIT TO VERIFY EXISTING LOAD. METER SHALL RECORD VOLTAGE, AMPERAGE, KVA AND POWER FACTOR FOR EACH PHASE AND SUM OF THE PHASES. THE METER SHALL CONTINUALLY AVERAGE THE POWER DEMAND OVER MAXIMUM 15 MINUTE INTERVALS AS REQUIRED BY NEC 220.87. COMPLETE A METERING SUMMARY REPORT AND DELIVER RESULTS TO ENGINEER AFTER 7 DAYS AND AFTER 30 DAYS. VERIFY EXISTING LOADS AT AND DOWNSTREAM OF THE METERING LOCATION AND PROVIDE LIST TO ENGINEER OF WHAT LOADS ARE NOT ON DURING THE 30 DAY METERING AND THE REASON WHY. ORGANIZE LIST BY EQUIPMENT NAME. IF ANY LOADS HAVE BEEN REMOVED OR PERMANENTLY ABANDONED, TURN CIRCUIT BREAKER OFF AND LABEL AS SPARE.

## LUMINAIRE SCHEDULE

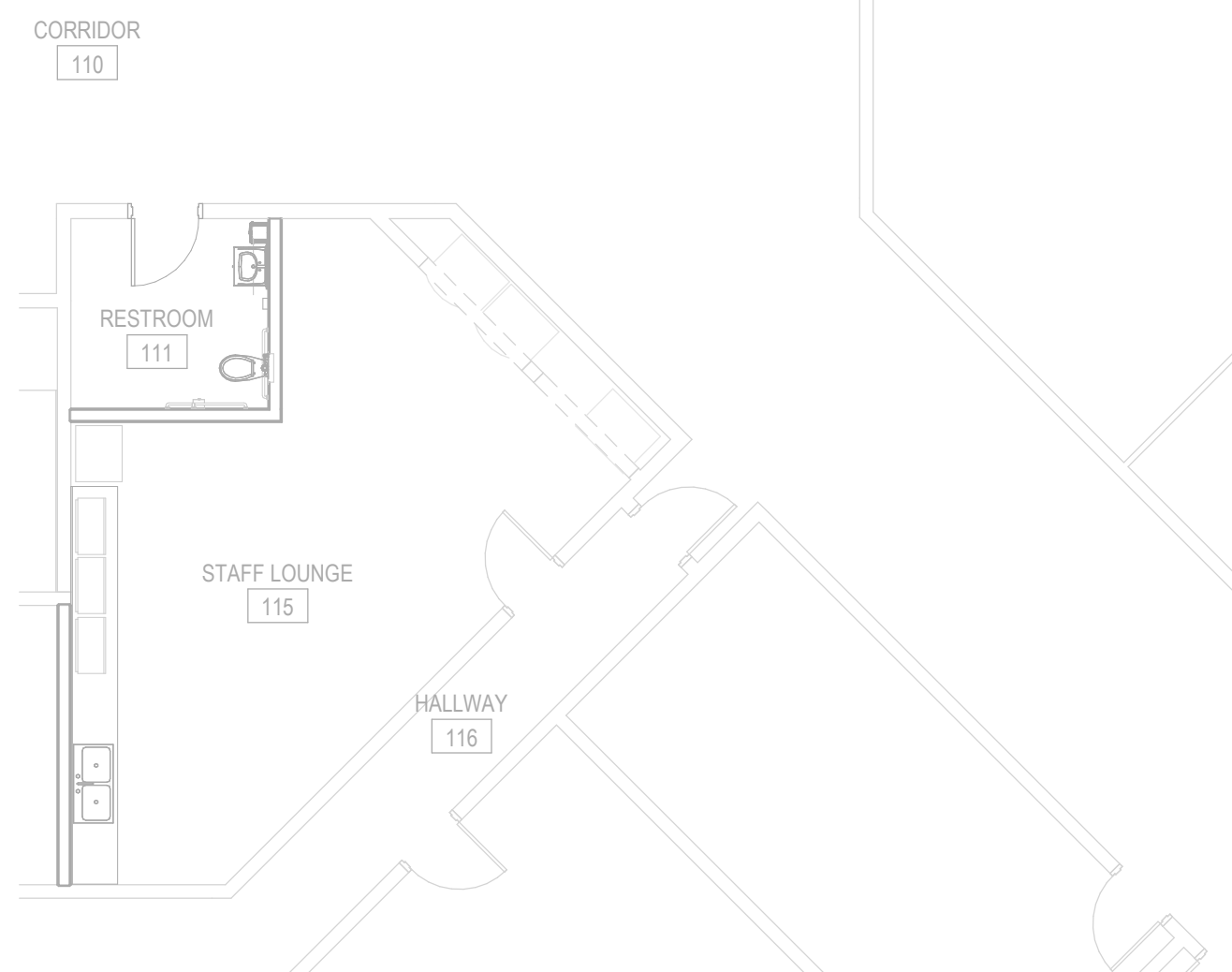
COMMON NOTES:

- CATALOG NUMBER REFERS TO FIRST NAME LISTED UNDER MANUFACTURER PER LUMINAIRE TYPE. REMAINING MANUFACTURERS LISTED ARE CONSIDERED TO BE EQUIVALENT PRODUCTS FOR THIS PROJECT AND SHALL MEET ALL CRITERIA LISTED INCLUDING THAT CALLED FOR BY THE SPECIFIC LUMINAIRE CATALOG NUMBER.
- REFER TO LIGHTING SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- PROVIDE UNIT PRICING FOR ALL LUMINAIRES BY TYPE AND SUBMIT WITH BID FORM.
- PROVIDE AN EMERGENCY BALLAST TEST SWITCH FOR RECESSED DOWNLIGHTS ON CEILING ADJACENT TO LUMINAIRE.
- PROVIDE FLICKER FREE LED DRIVERS MEETING IEEE 1789.

SPECIFIC REMARKS:

- VERIFY MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATION.

TYPE	DESCRIPTION	COLOR	LAMP	LUMENS	TYPE	BALLAST/DRIVER	VOLTAGE	APPARENT LOAD	MANUFACTURER	CATALOG SERIES	FINISH	MOUNTING	REMARKS
D1	6" DIAMETER LED RECESSED DOWNLIGHT	3500K	2000		0-10V	10%	277 V	23 VA	LITHONIA COOPER LIGHTING SOLUTIONS OR APPROVED EQUAL	L9NS HCB	SEMI-SPECULAR	RECESSED	
T1	2X4 RECESSED FLAT PANEL	3500K	5000		0-10V	10%	277 V	40 VA	LITHONIA COOPER LIGHTING SOLUTIONS OR APPROVED EQUAL	24CGTS	WHITE	RECESSED	
T1E	SAME AS T1 WITH EMERGENCY SELF-DIAGNOSTIC BATTERY BACKUP	3500K	5000		0-10V	10%	277 V	40 VA	LITHONIA COOPER LIGHTING SOLUTIONS OR APPROVED EQUAL	24CGTS	WHITE	RECESSED	
W1	2 BATHROOM VANITY	3500K	2000		0-10V	10%	277 V	21 VA	BROWNLEE SCOTT ARCH LIGHTING OR APPROVED EQUAL	5178 S385	BRUSHED NICKEL	WALL	1



## ENLARGED ELECTRICAL ROOM

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

## KEY PLAN

SCALE: NONE

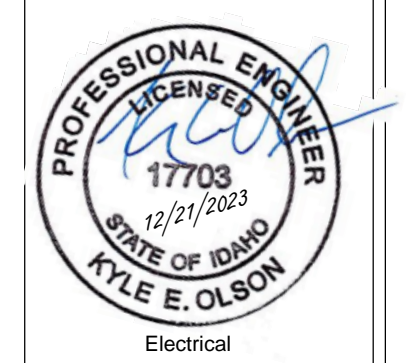
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Project: TFSD 2023 CAPITAL IMPROVEMENTS PACKAGE 7, RESTROOM REMODEL AT O'LEARY MIDDLE SCHOOL

2350 ELIZABETH BLVD  
TWIN FALLS, ID 83301

Sheet: ELECTRICAL SCHEDULES



Project No: 23010-00  
Drawn By: BEL  
Checked By: RHM  
Date: 12/22/2023

Sheet No: E0.02

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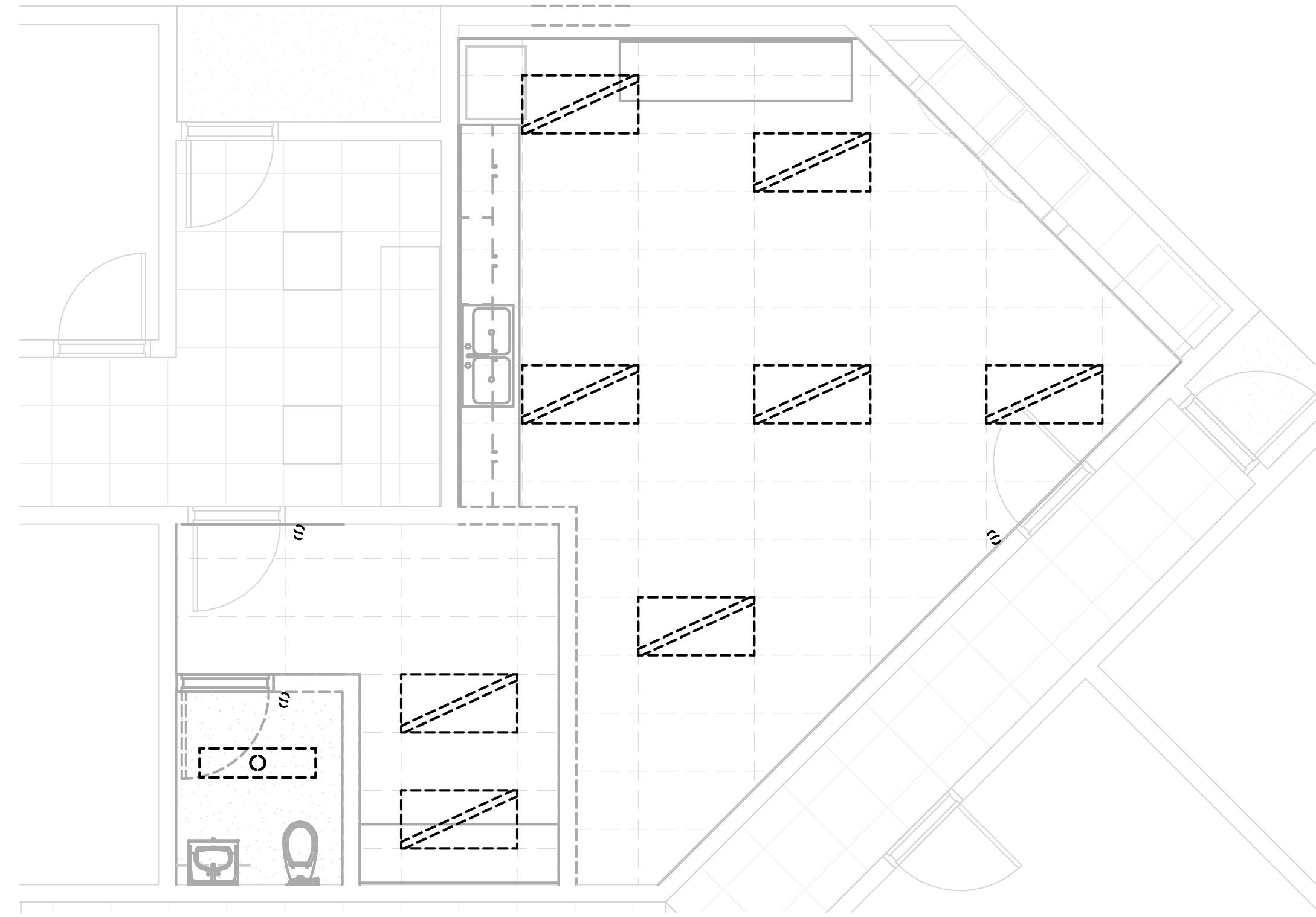
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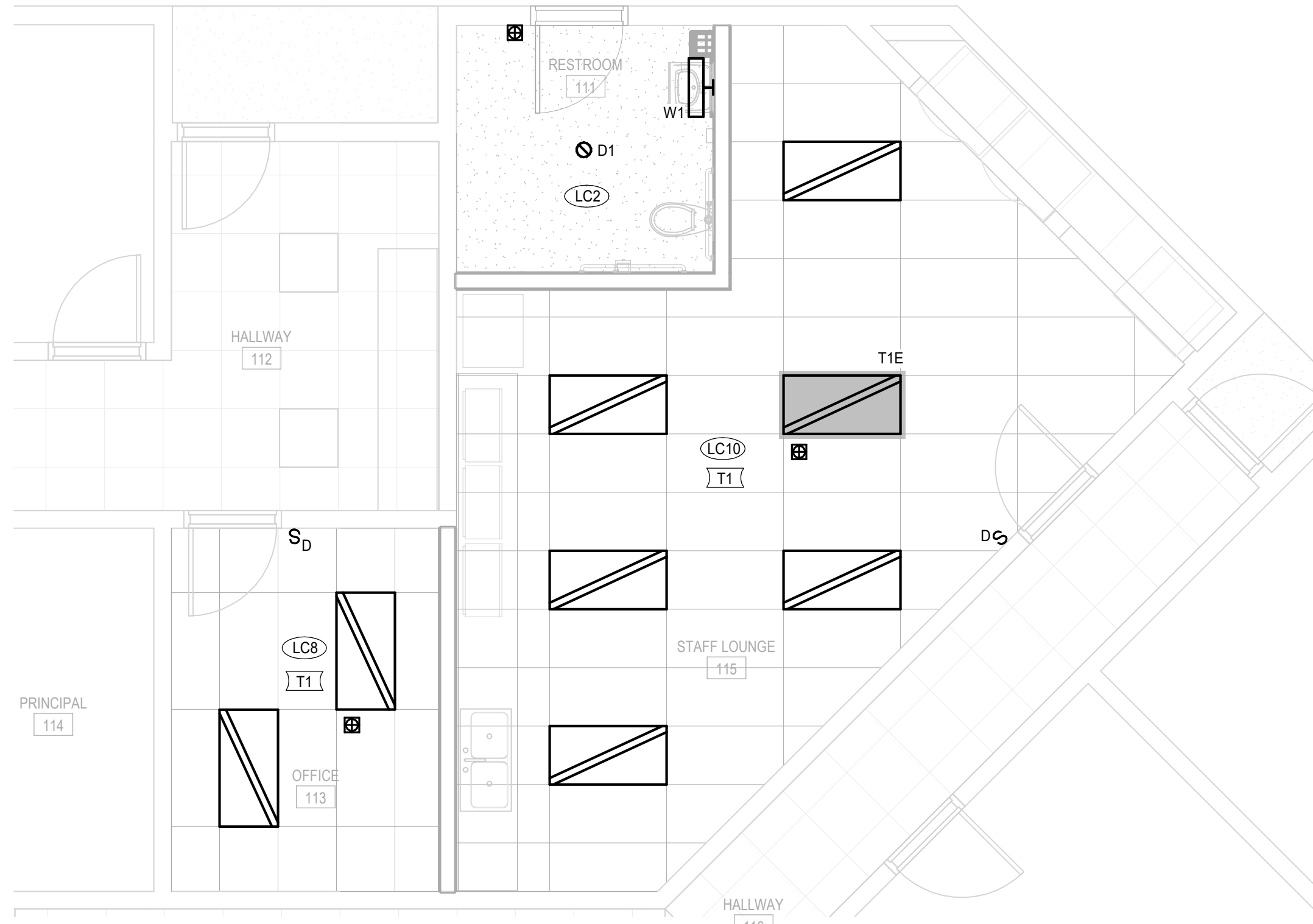
KEYNOTES	
E1	PROVIDE REMOTE GFI TEST/RESET PUSHBUTTON, COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.

A

B



**BLDG A-LEVEL 01 - RESTROOM REMODEL LIGHTING DEMOLITION PLAN**  
SCALE: 1/4" = 1'-0"



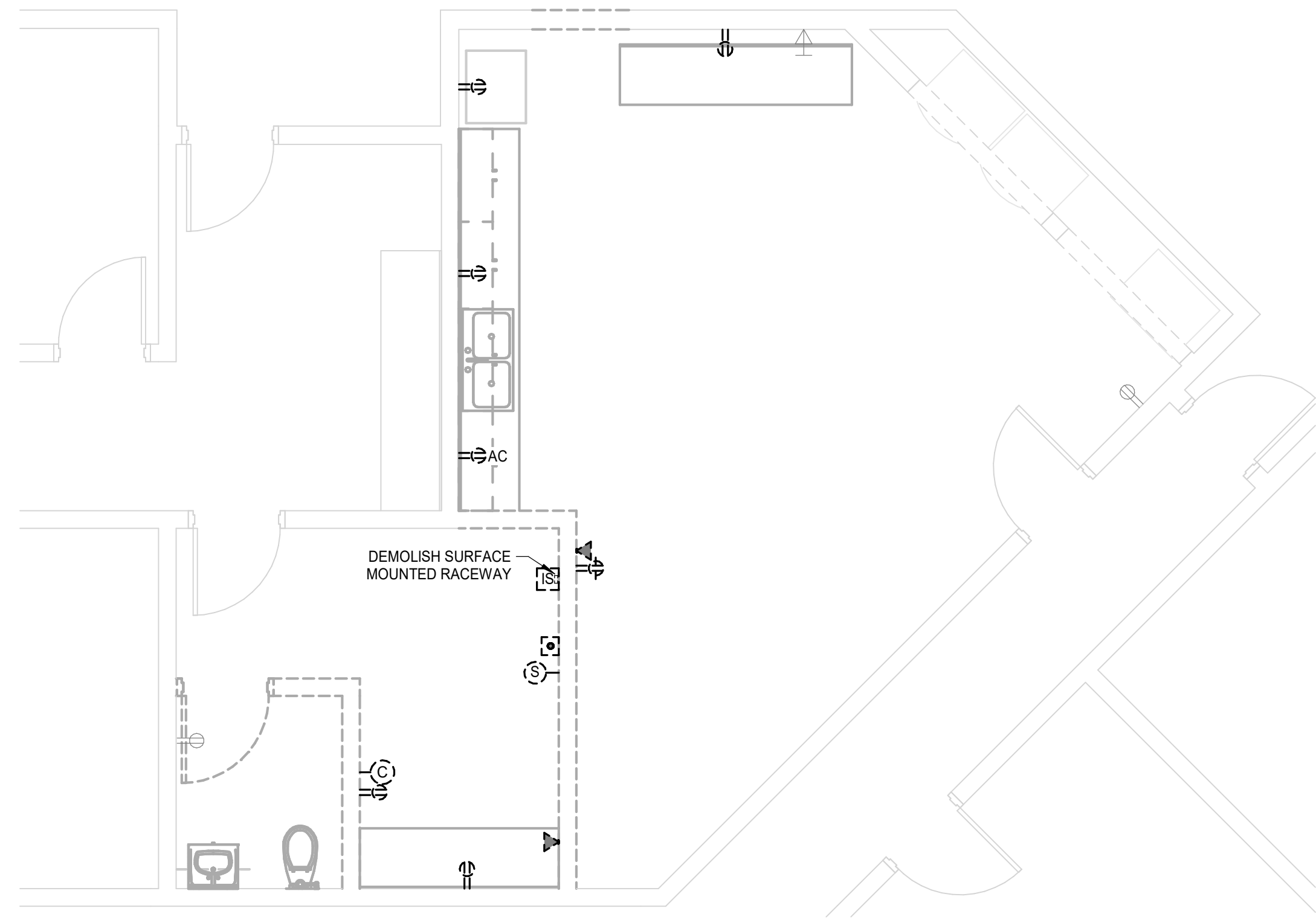
**BLDG A-LEVEL 01 - RESTROOM REMODEL LIGHTING PLAN**  
SCALE: 1/4" = 1'-0"

**GENERAL NOTES:**

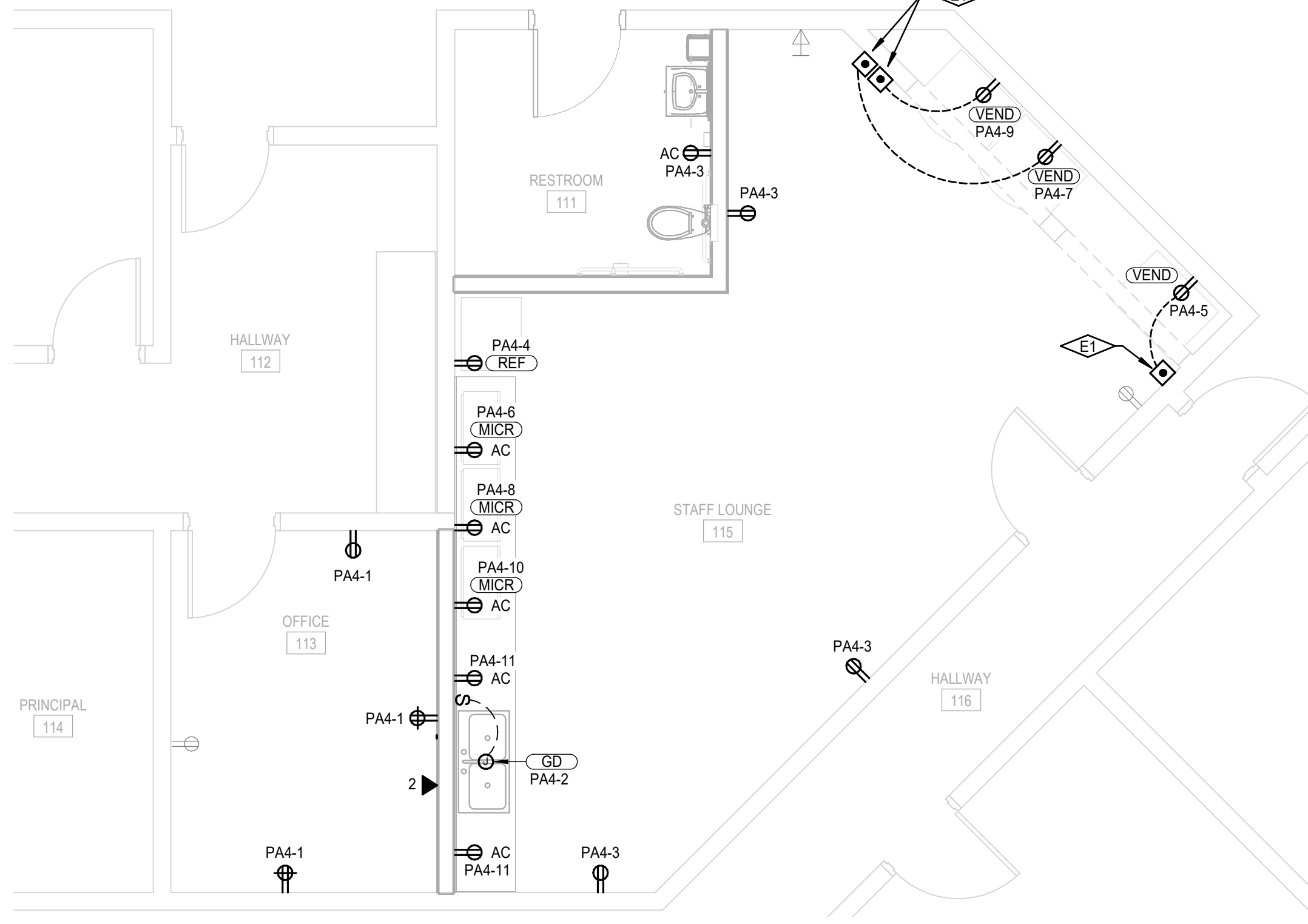
- EXISTING LIGHTING CIRCUITRY TO BE MAINTAINED AND EXTENDED TO NEW FIXTURES.

C

D

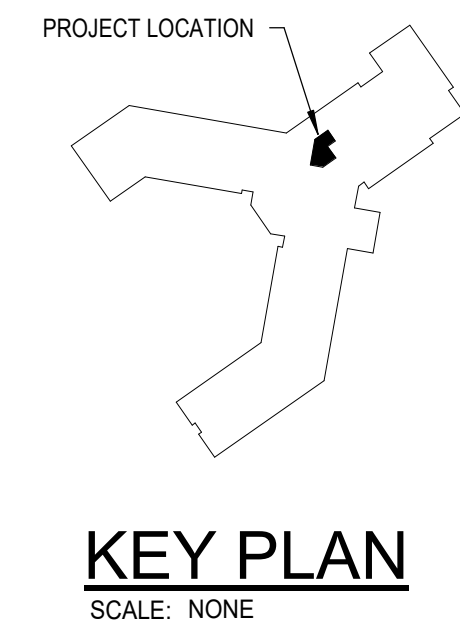


**BLDG A-LEVEL 01 - RESTROOM REMODEL POWER DEMOLITION PLAN**  
SCALE: 1/4" = 1'-0"



**BLDG A-LEVEL 01 - RESTROOM REMODEL POWER PLAN**  
SCALE: 1/4" = 1'-0"

E



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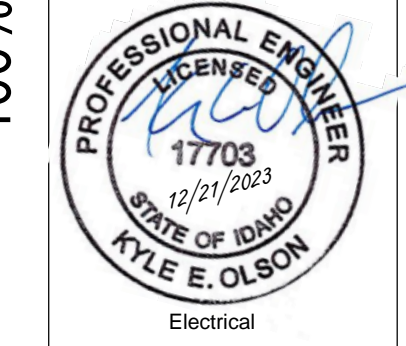
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**Project:**  
TFSD 2023 CAPITAL IMPROVEMENTS  
PACKAGE 7, RESTROOM REMODEL AT  
O'LEARY MIDDLE SCHOOL

2350 ELIZABETH BLVD  
TWIN FALLS, ID 83301

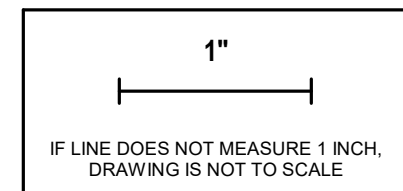
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RESTROOM REMODEL  
ELECTRICAL PLANS

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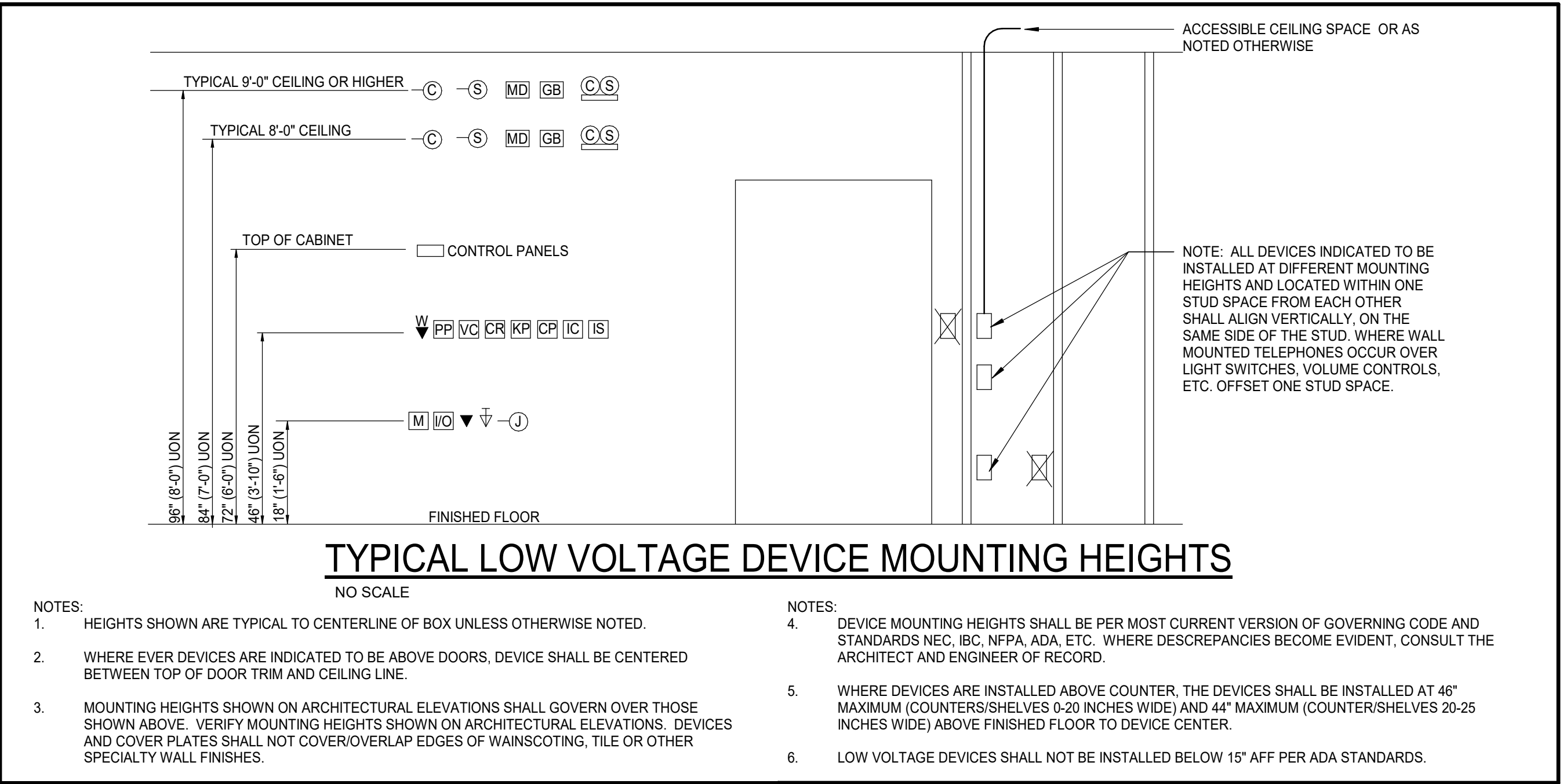
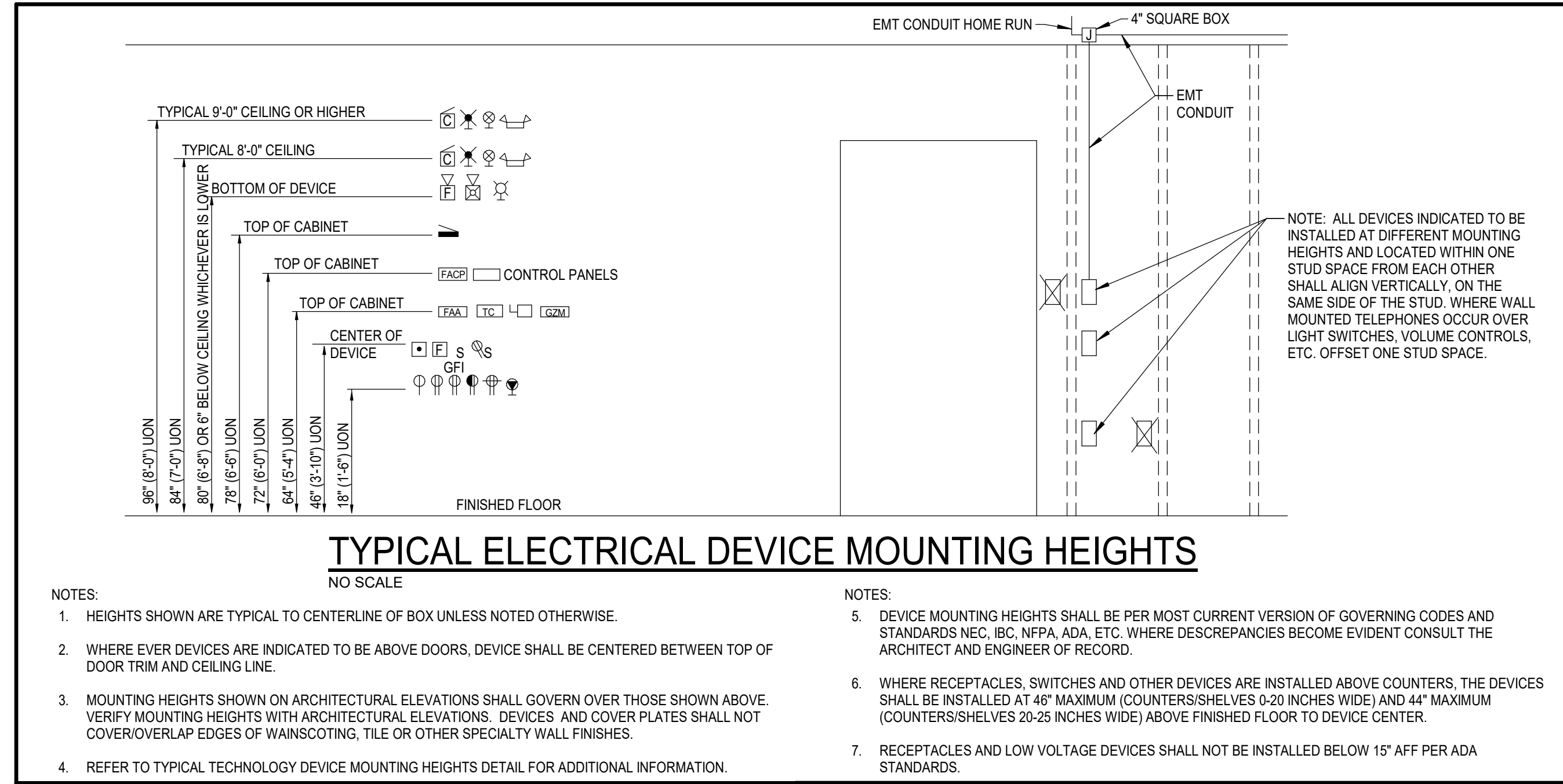


Project No: 23010-00  
Drawn By: SEL  
Checked By: RHM  
Date: 12/22/2023

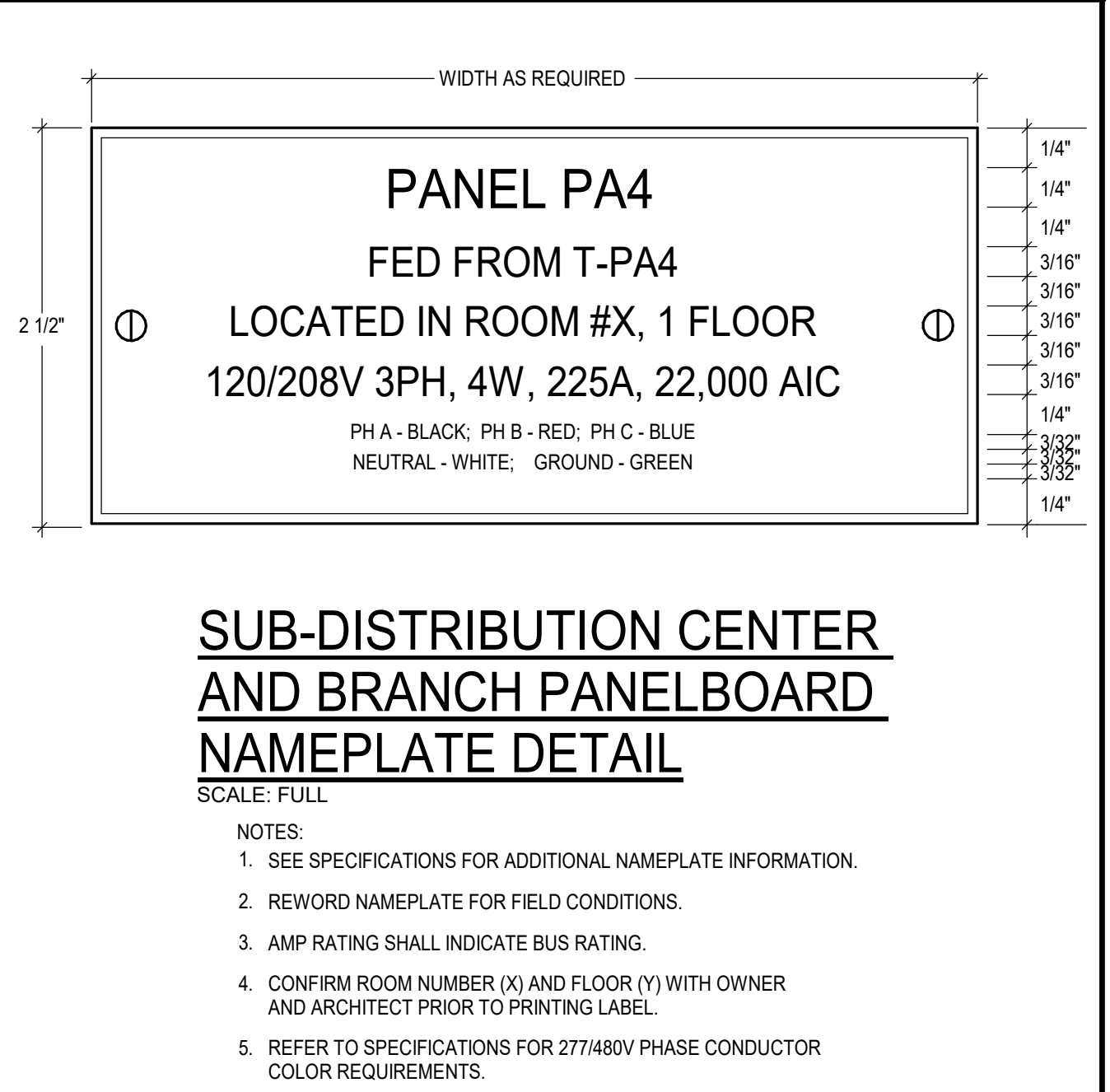
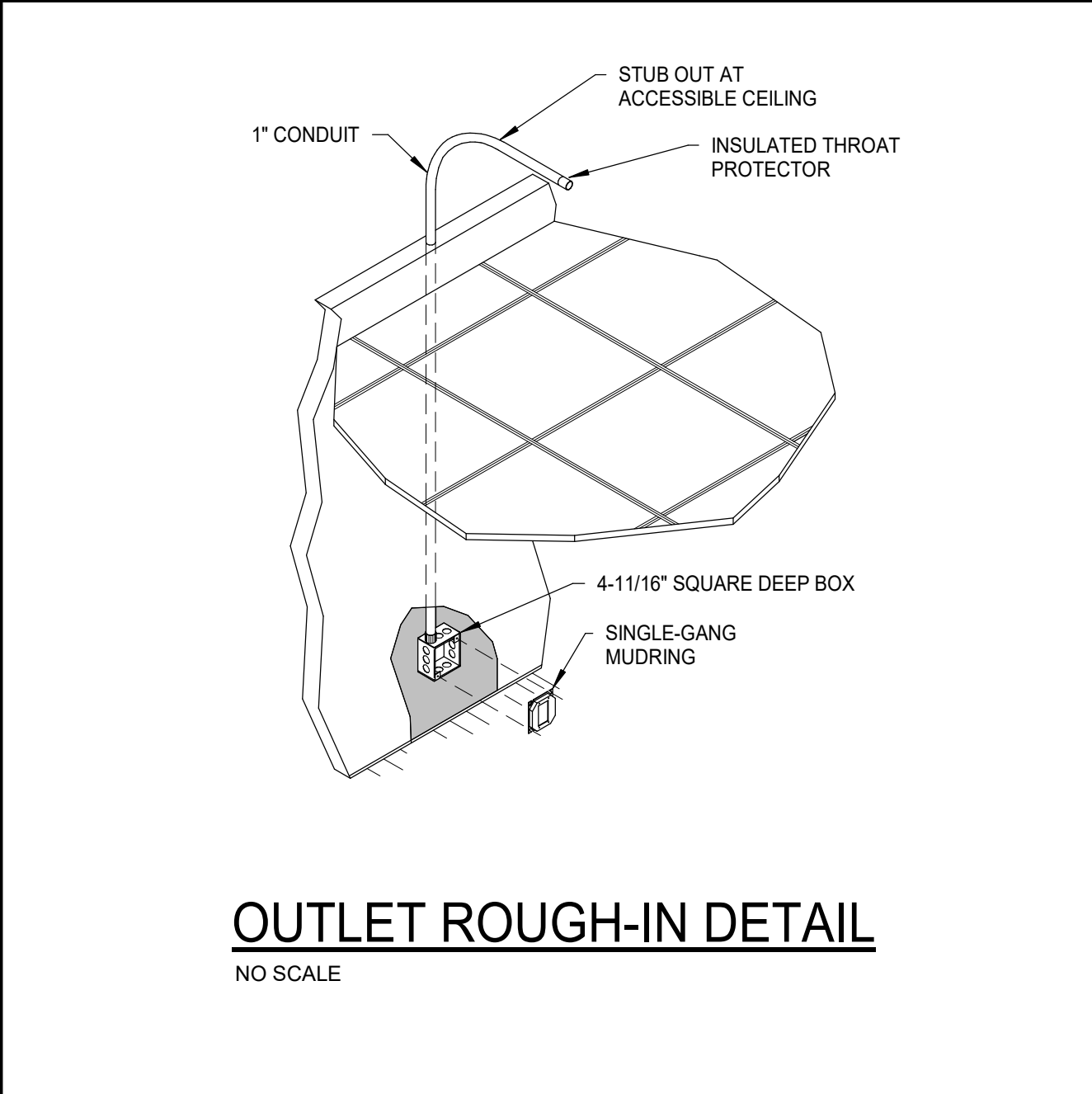
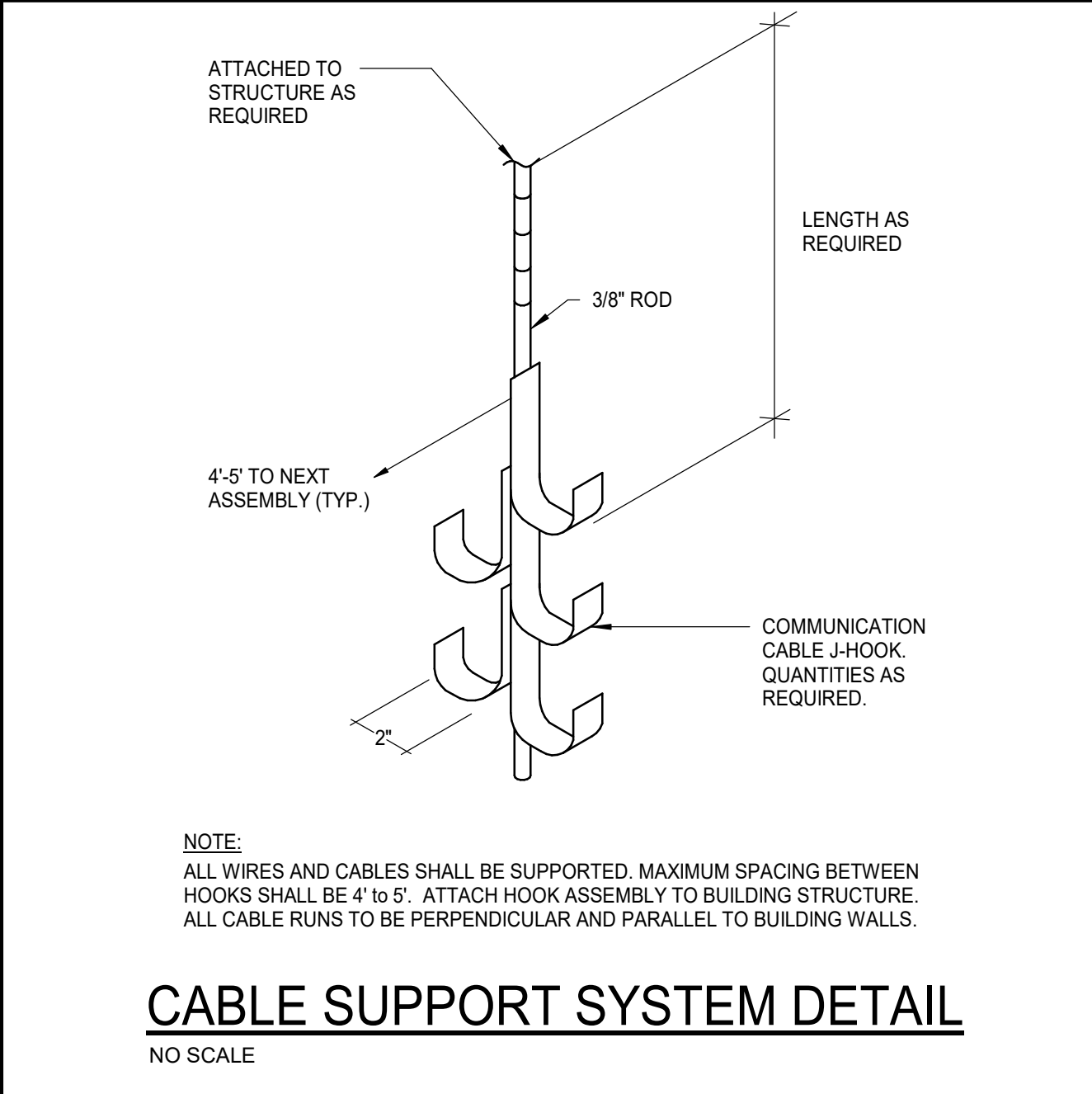
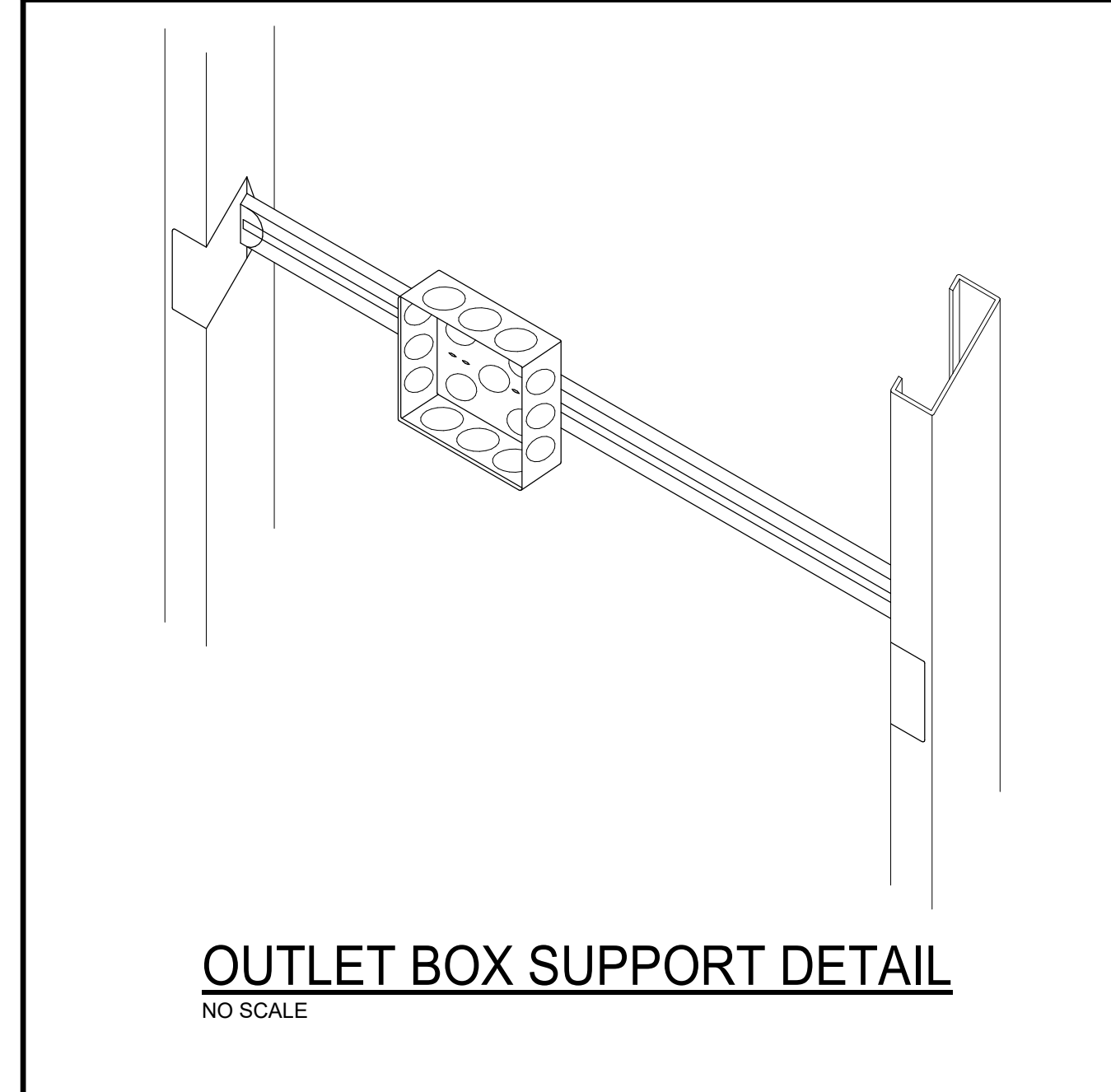
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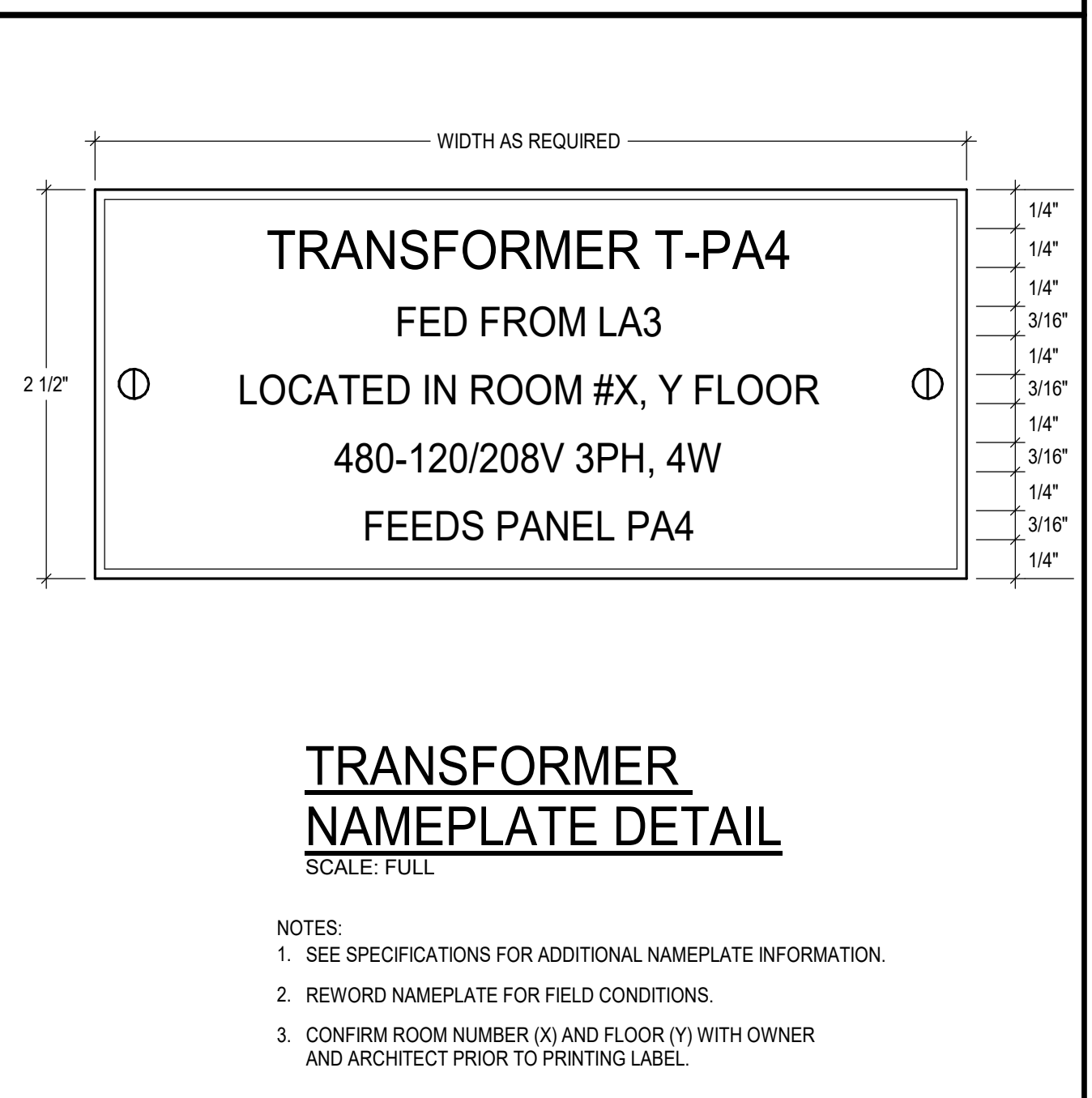
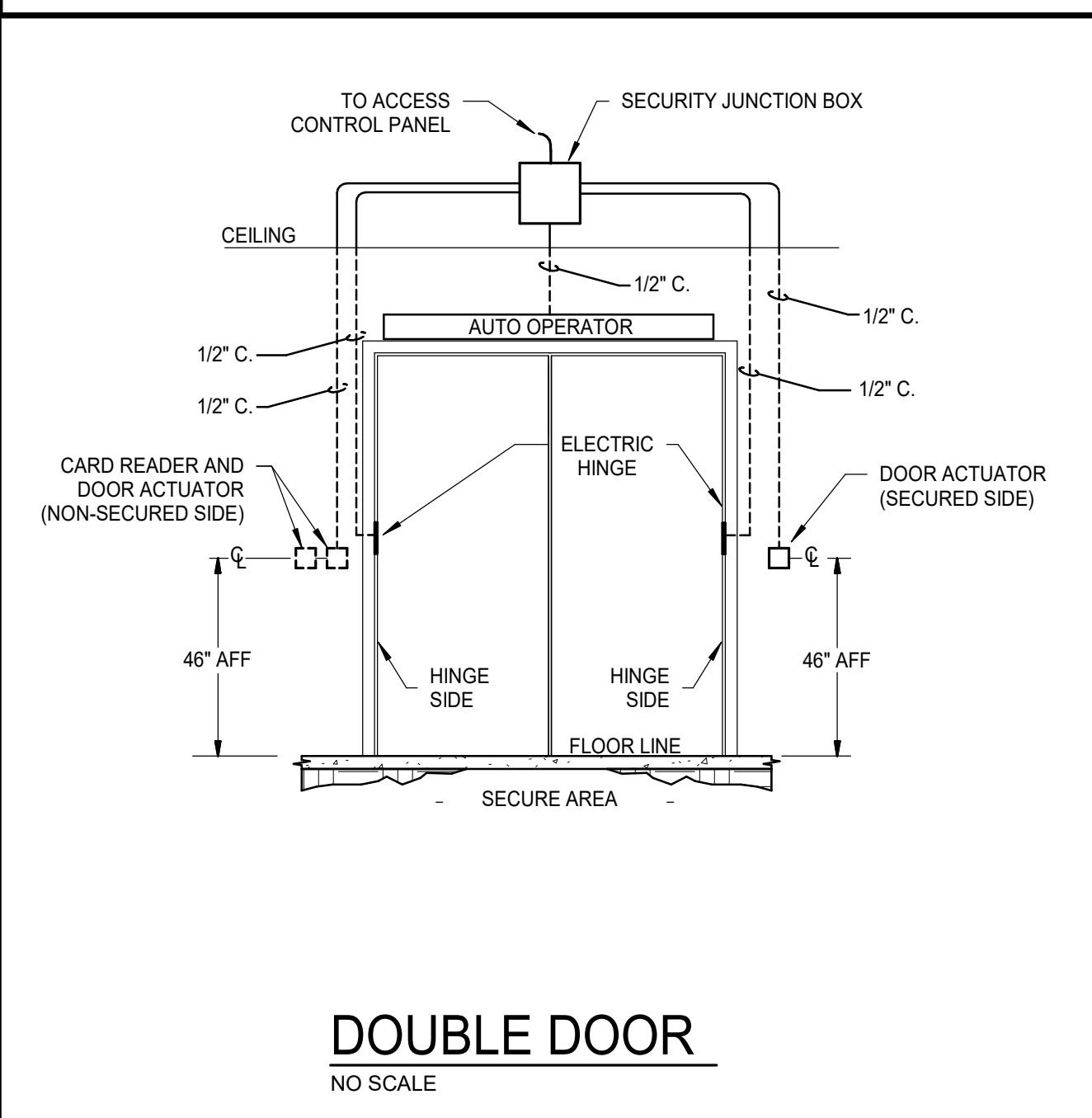
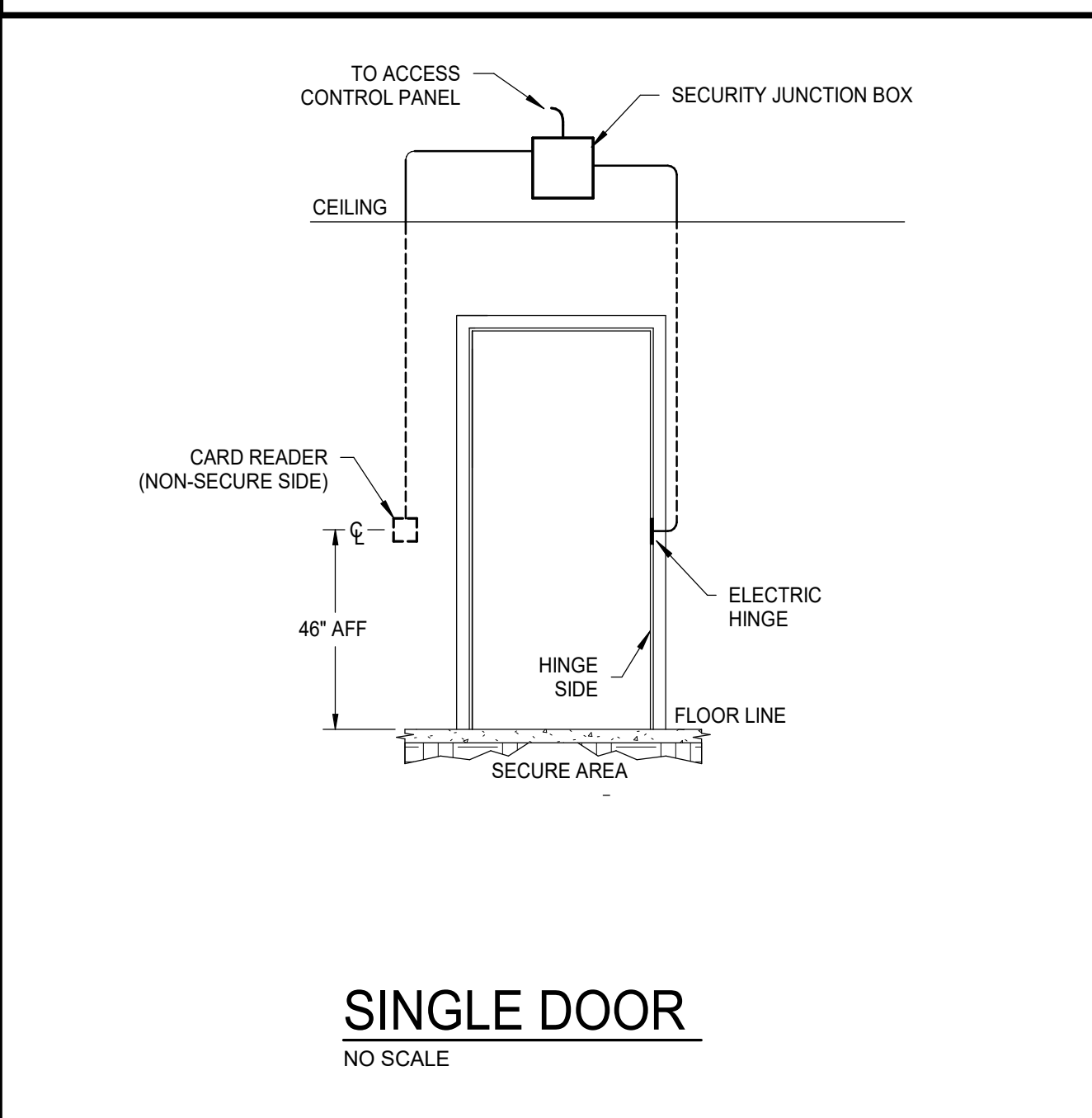
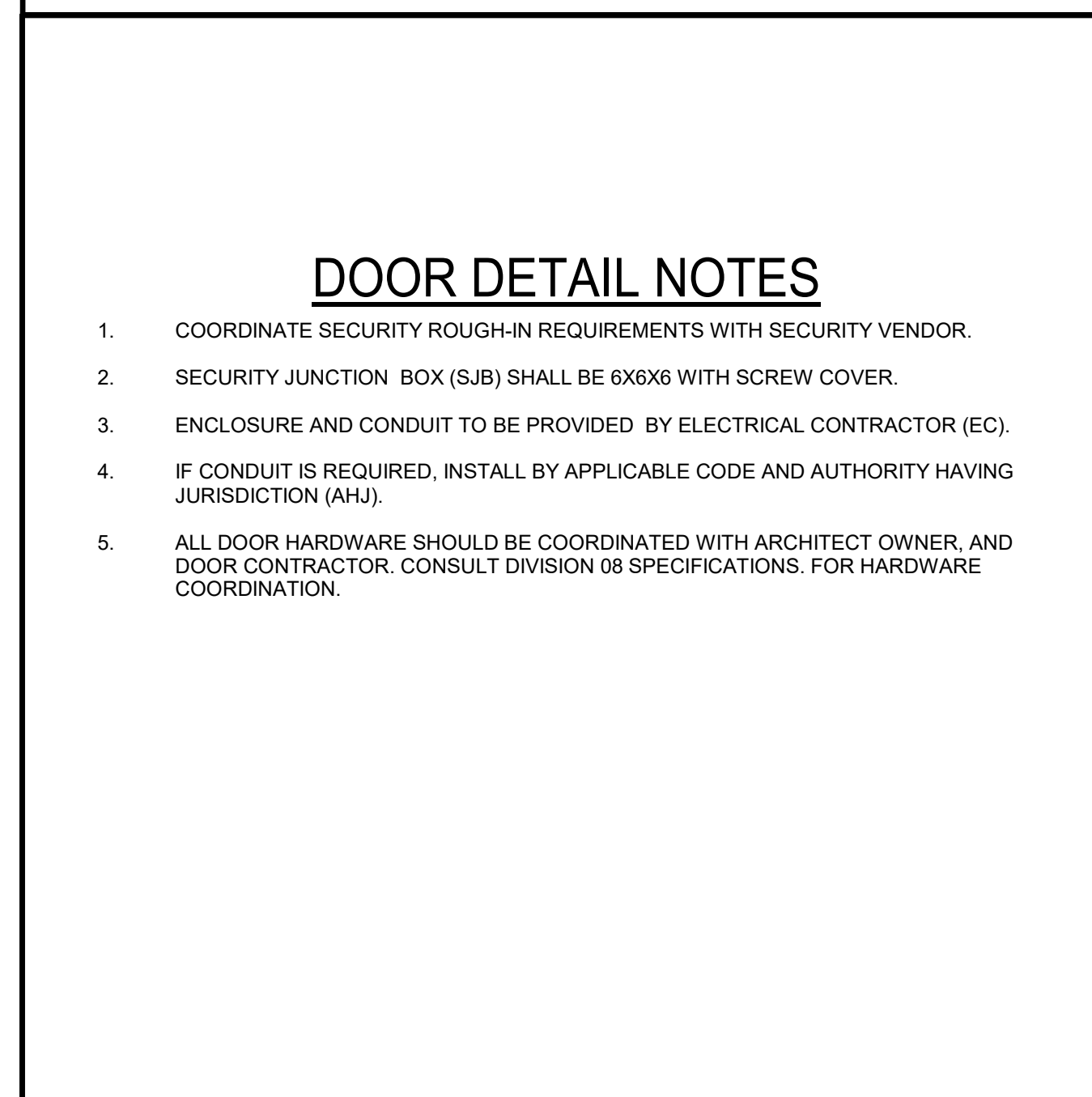
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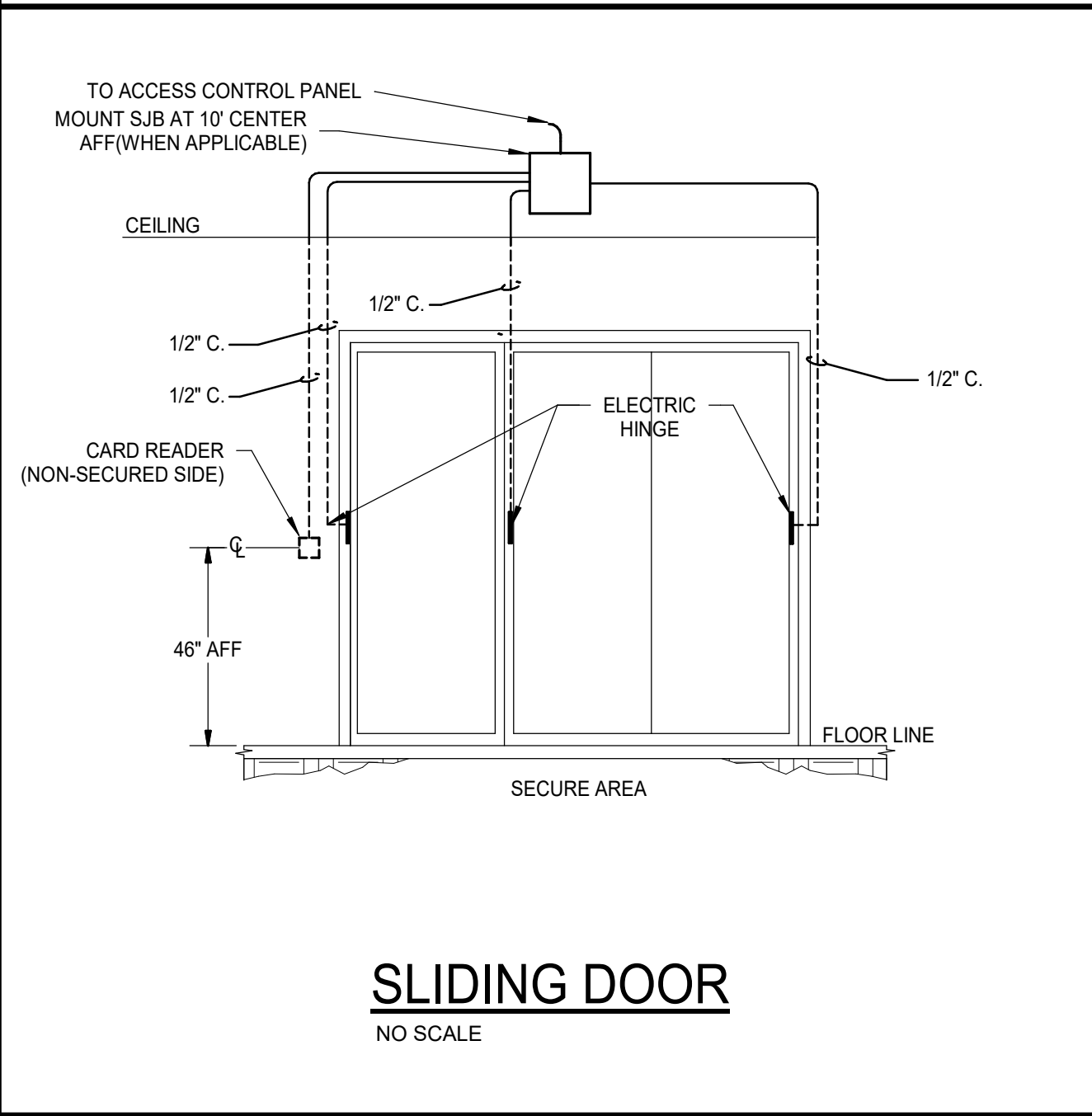
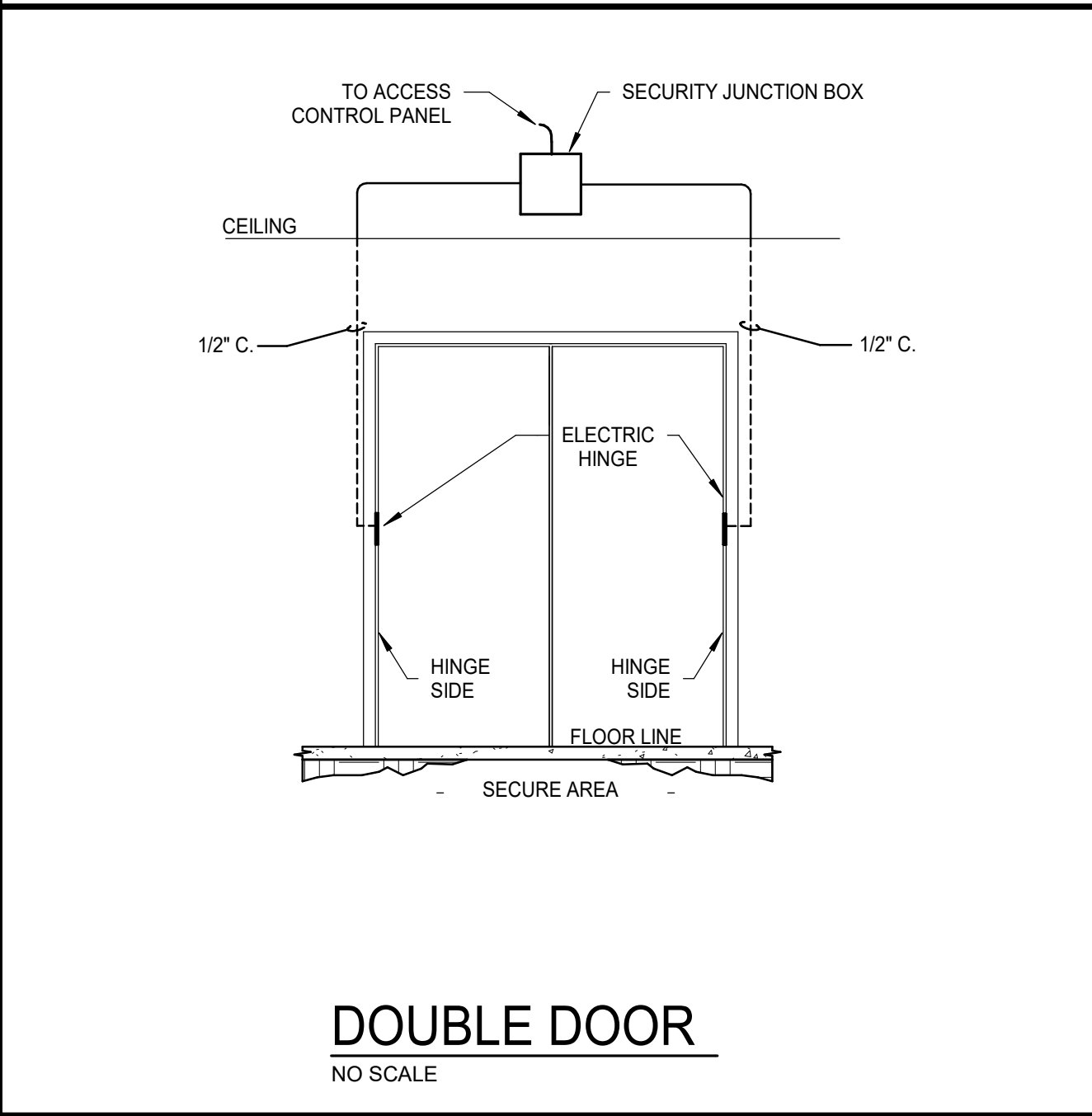
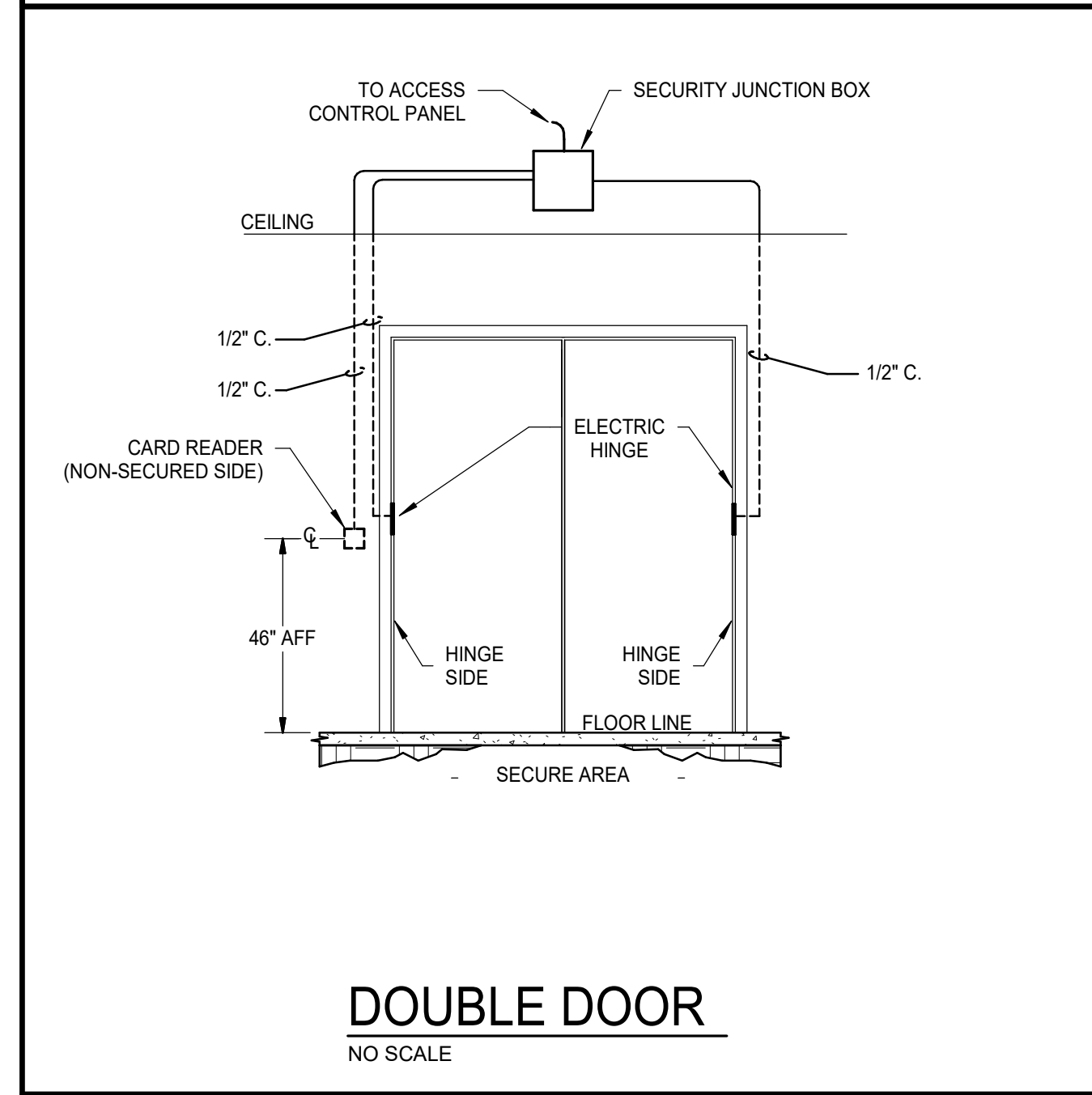
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C



D



E

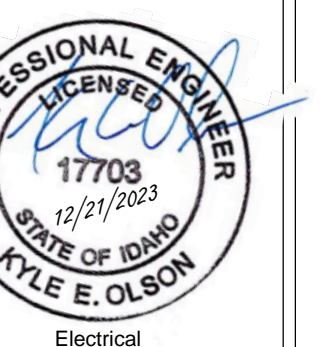
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Project:  
TFSD 2023 CAPITAL IMPROVEMENTS  
PACKAGE 8, O'LEARY MIDDLE  
SCHOOL DOOR REPLACEMENT

2350 ELIZABETH BLVD  
TWIN FALLS, ID 83301

Sheet:  
**ELECTRICAL DETAILS**



Project No: 23010-00  
Drawn By: Author  
Checked By: Checker  
Date: 12/22/2023

Sheet No:  
**E3.01**

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