

CODE AND BUILDING DATA

APPLICABLE CODES:  
INTERNATIONAL BUILDING CODE 2018  
INTERNATIONAL MECHANICAL CODE 2018  
INTERNATIONAL PLUMBING CODE 2018  
INTERNATIONAL ENERGY CODE 2018  
NATIONAL FIRE PROTECTION AGENCY (NFPA)  
LOCAL JURISDICTION REGULATIONS

USE AND OCCUPANCY CLASSIFICATION:  
NON-OCCUPANCY

CONSTRUCTION CLASSIFICATION (TYPE):  
VB - NO SPRINKLERED  
FIRE-RESISTANCE RATING REQUIRED PER SITE SPECIFIC LOCATION  
STRUCTURAL FRAME: 0 HOURS  
EXTERIOR BEARING WALLS: 0 HOURS  
INTERIOR BEARING WALLS / COLUMNS: 0 HOURS  
INTERIOR NON-BEARING WALLS: 0 HOURS  
FLOOR CONSTRUCTION: 0 HOURS  
ROOF CONSTRUCTION: 0 HOURS

PLUMBING FIXTURE CALCULATION

REQUIRED

OCCUPANTS 24 (12 MALE 12 FEMALE)							
OCCUPANCY: ASSEMBLY-A-5 (STADIUMS, ETC.)	WATER CLOSET		LAVATORIES		BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
	MALE	FEMALE	MALE	FEMALE			
RATIO:	1:75	1:40	1:200	1:150		1:1,000	
	FIRST 1:500	FIRST 1:500					
	1:120 REMAIN	1:60 REMAIN					
REQUIRED:	0.16	0.30	0.06	0.08	-	0.02	NOTE 1

PROVIDED

OVERALL BUILDING SUMMARY	WATER CLOSET		LAVATORIES		BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
	MALE	FEMALE	MALE	FEMALE			
SUBTOTAL REQUIRED:	0.34	0.34	0.24	0.24	0	0.32	1 SERVICE SINK
TOTAL REQUIRED:	1	1	1	1	0	1	1 SERVICE SINK
WC PROVIDED:	1	1	-	-	-	-	-
LAV PROVIDED:	-	-	1	1	-	-	-
URINALS PROVIDED: (NOTE 2)	0	-	-	-	-	-	-
DF PROVIDED: (NOTE 4)	-	-	-	-	-	1	-
TOTAL PROVIDED:	1	1	1	1	0	1	1 SERVICE SINK
SINGLE-OCCUPANT RESTROOMS INCLUDED IN THE ABOVE TOTALS							(NOTE 3) 2
FAMILY RESTROOMS PROVIDED IN ADDITION TO ABOVE TOTALS							(NOTE 4) 1
FAMILY BATHING ROOMS PROVIDED IN ADDITION TO ABOVE TOTALS							(NOTE 5) 0

NOTE 1:  
THE CODE REQUIRES ONLY (1) SERVICE SINK PER BUILDING IF ALL OCCUPANCIES HAVE ACCESS TO THE SERVICE SINK AT ALL TIMES. IN HOSPITALS: (1) SERVICE SINK PER FLOOR ARE REQUIRED.

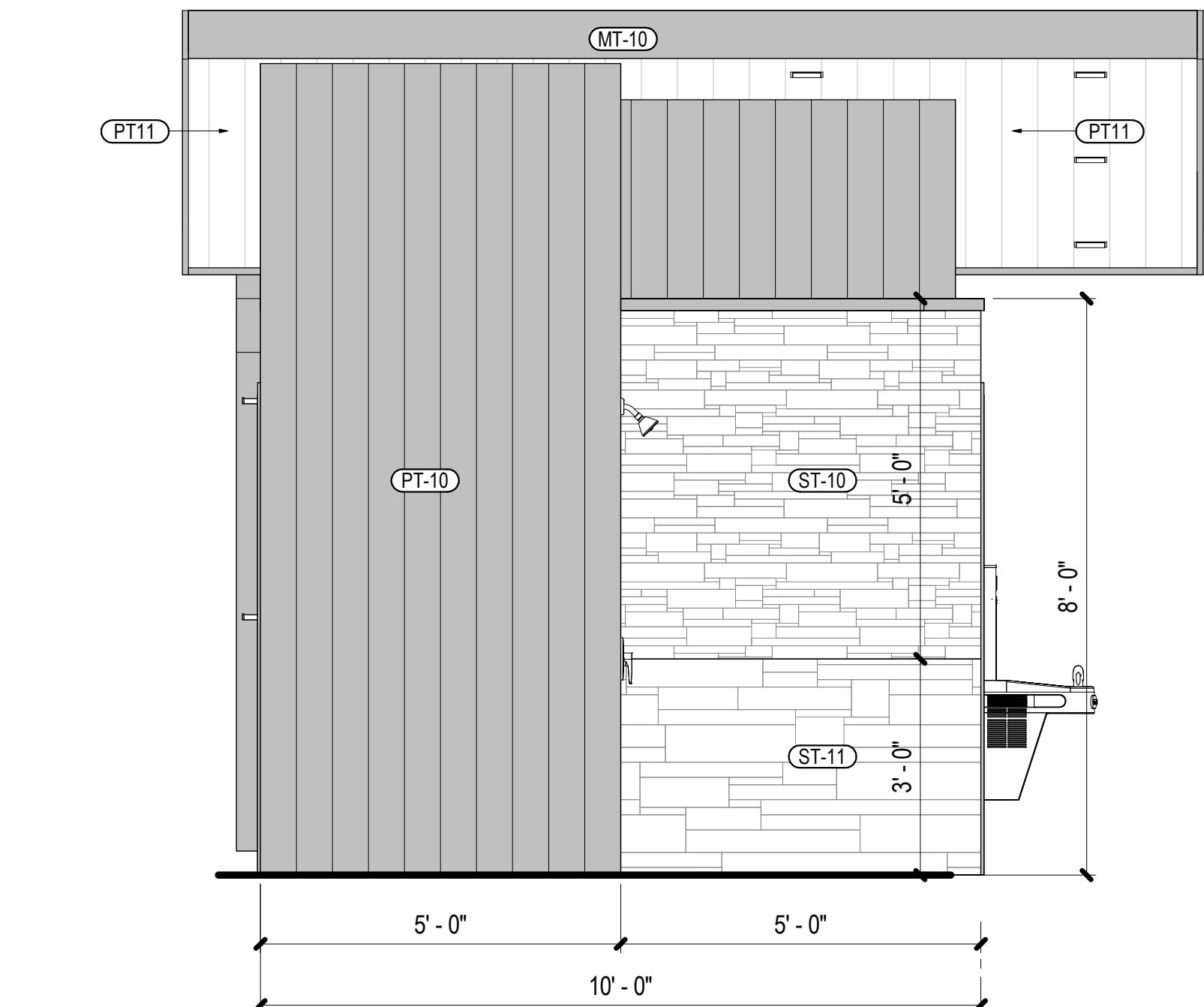
NOTE 2:  
IN 'A' AND 'E' OCCUPANCIES: URINALS SHALL NOT BE SUBSTITUTED FOR MORE THAN 67% OF THE REQ'D WC. IN ALL OTHER OCCUPANCIES: URINALS SHALL NOT BE SUBSTITUTED FOR MORE THAN 50% OF THE REQ'D WC.

NOTE 3:  
SINGLE-OCCUPANT RESTROOM = (1) WC AND (1) LAV PROVIDED FIXTURES DISTRIBUTED AMONGST EACH SEX

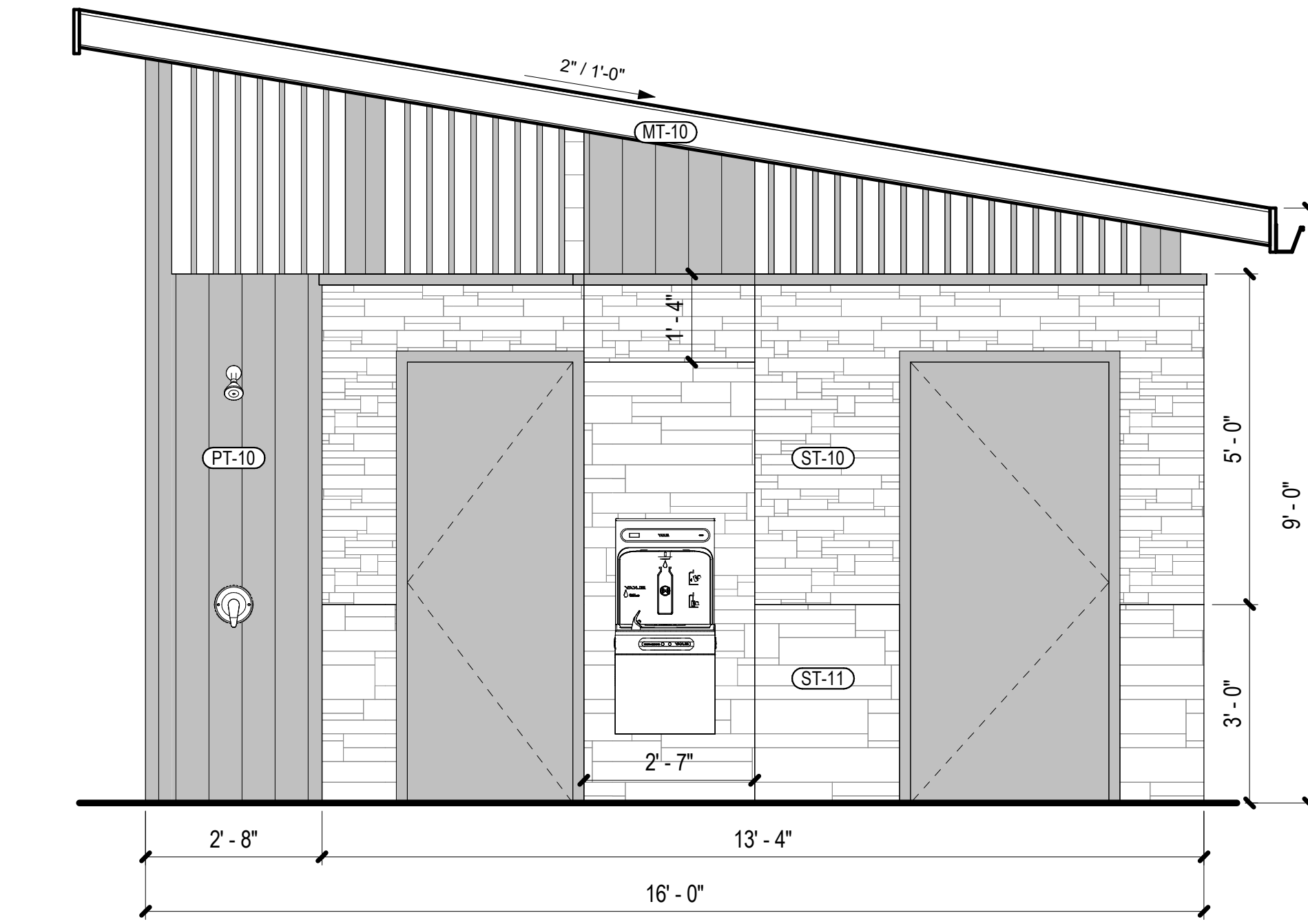
NOTE 4:  
FAMILY OR ASSISTED-USE TOILET ROOMS = (1) WC AND (1) LAV PROVIDED

NOTE 5:  
FAMILY OR ASSISTED-USE BATHING ROOMS = (1) WC AND (1) LAV PROVIDED AND (1) SHOWER OR (1) BATH

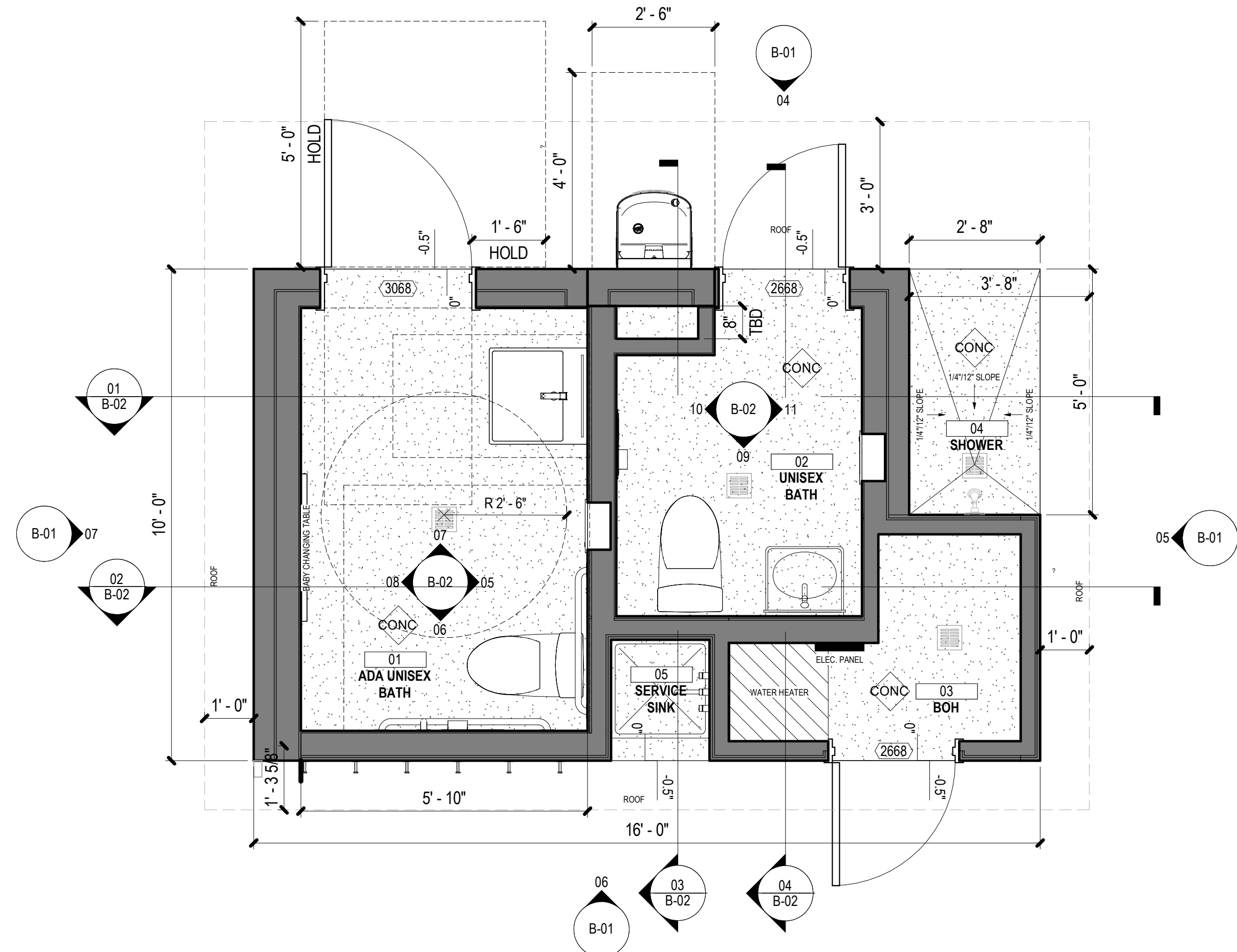
NOTE 6:  
WATER COOLERS OR BOTTLED WATER DISPENSERS SHALL BE PERMITTED TO BE SUBSTITUTED FOR NOT MORE THAN 50 PERCENT OF THE REQUIRED DRINKING FOUNTAINS.



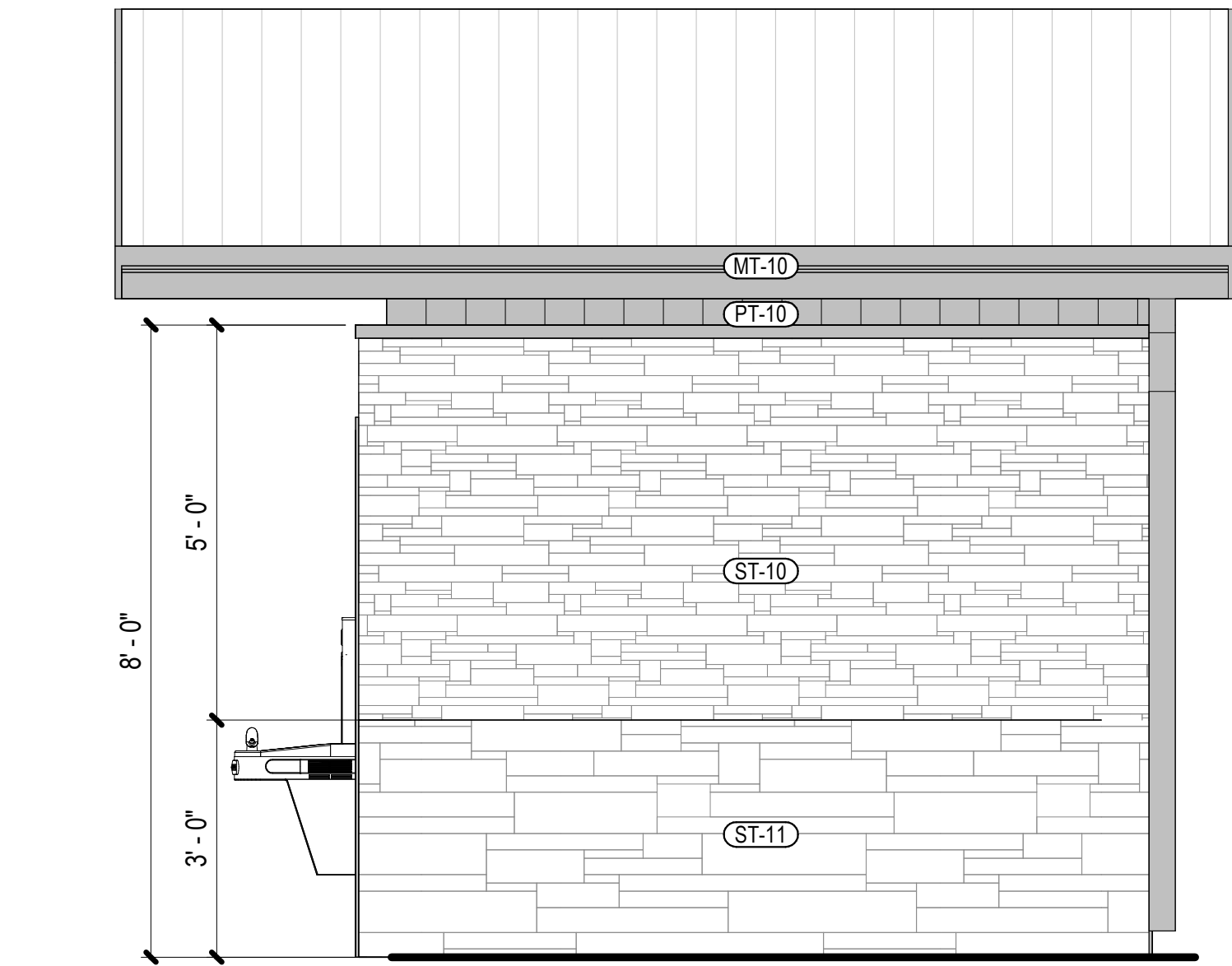
05 ADA BATH - NORTH ELEVATION  
SCALE: 1/2" = 1'-0"



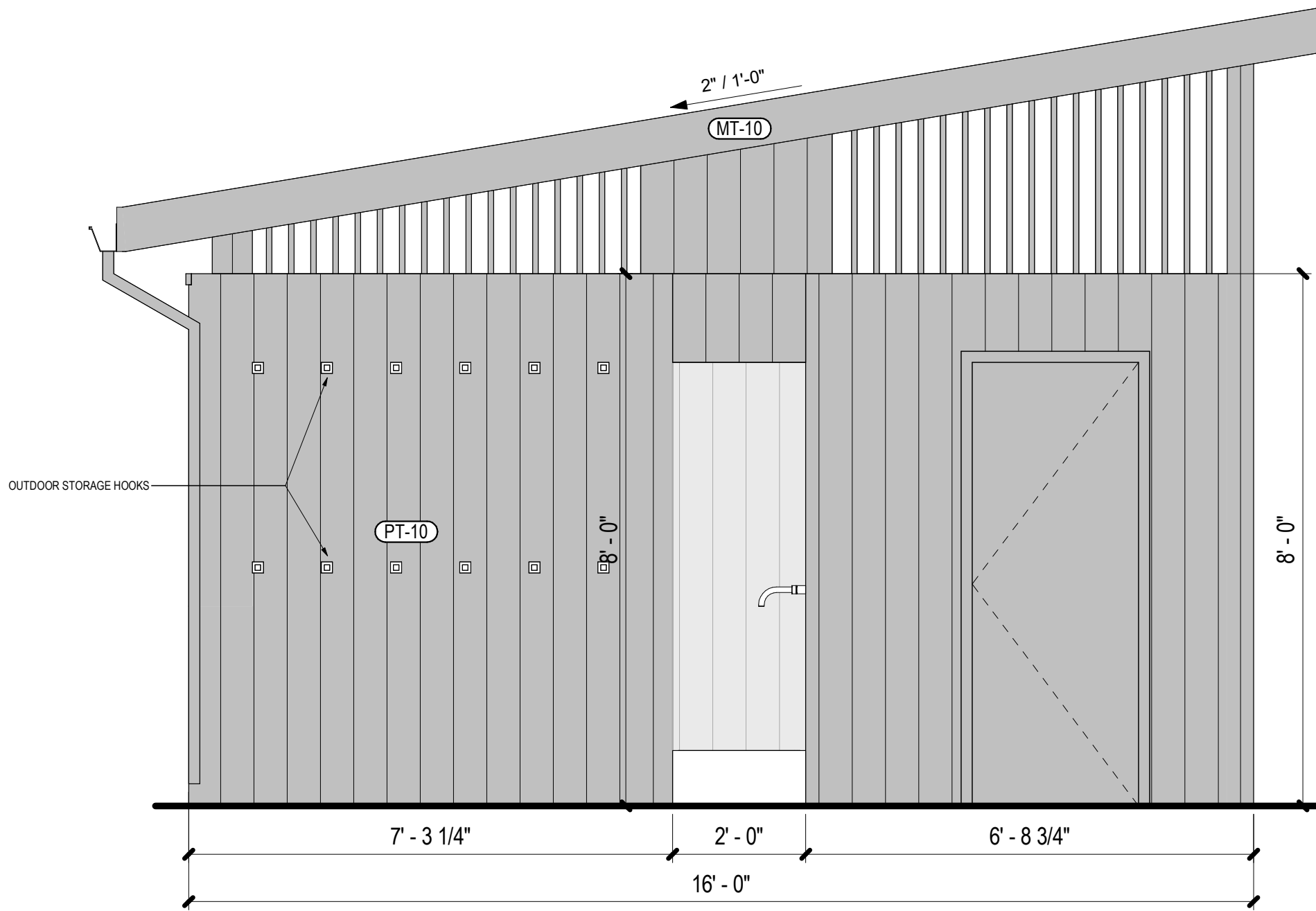
04 ADA BATH - WEST ELEVATION  
SCALE: 1/2" = 1'-0"



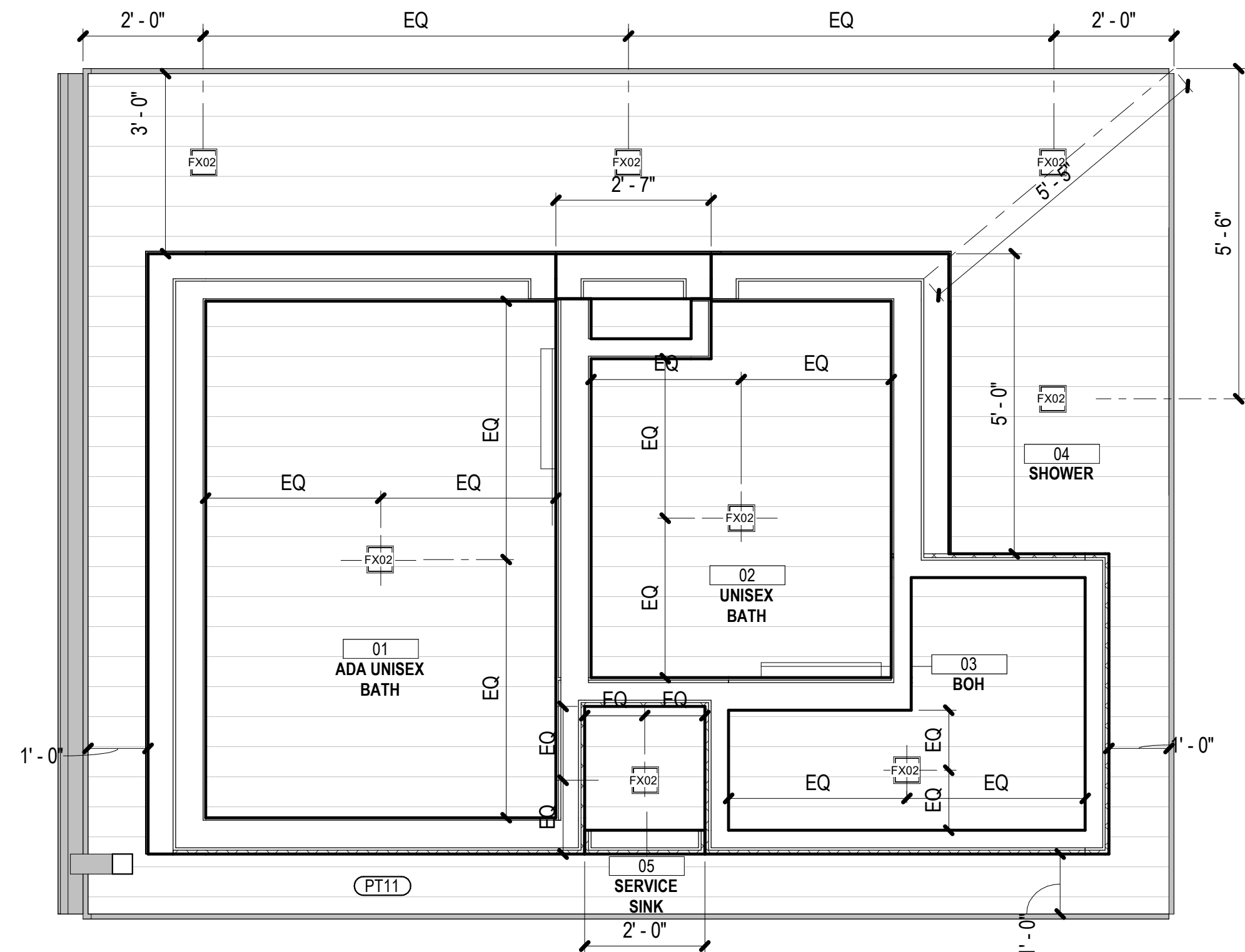
01 CONSTRUCTION PLAN - ADA BATH  
SCALE: 1/2" = 1'-0"



07 ADA BATH - SOUTH ELEVATION  
SCALE: 1/2" = 1'-0"

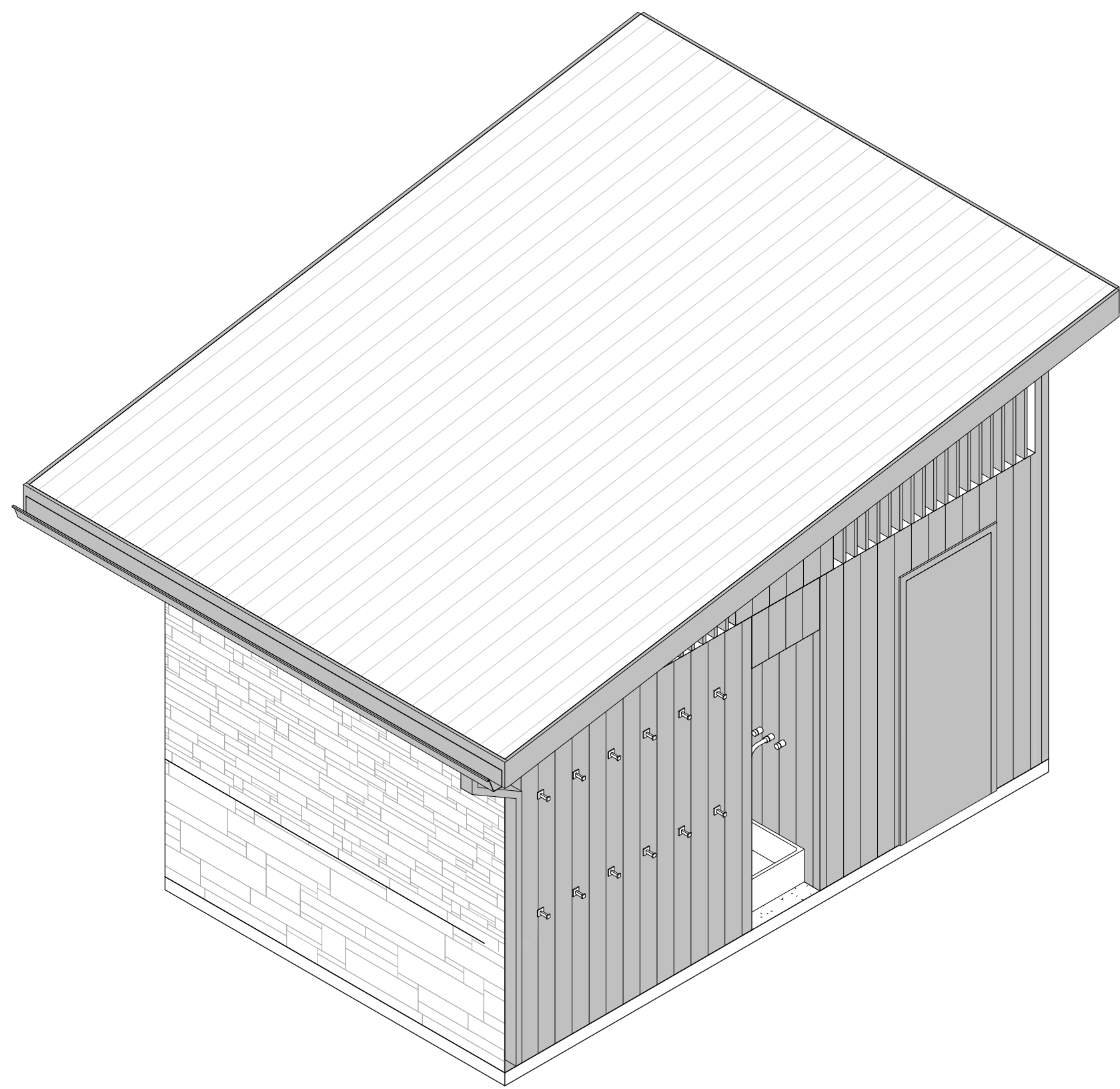


06 ADA BATH - EAST ELEVATION  
SCALE: 1/2" = 1'-0"

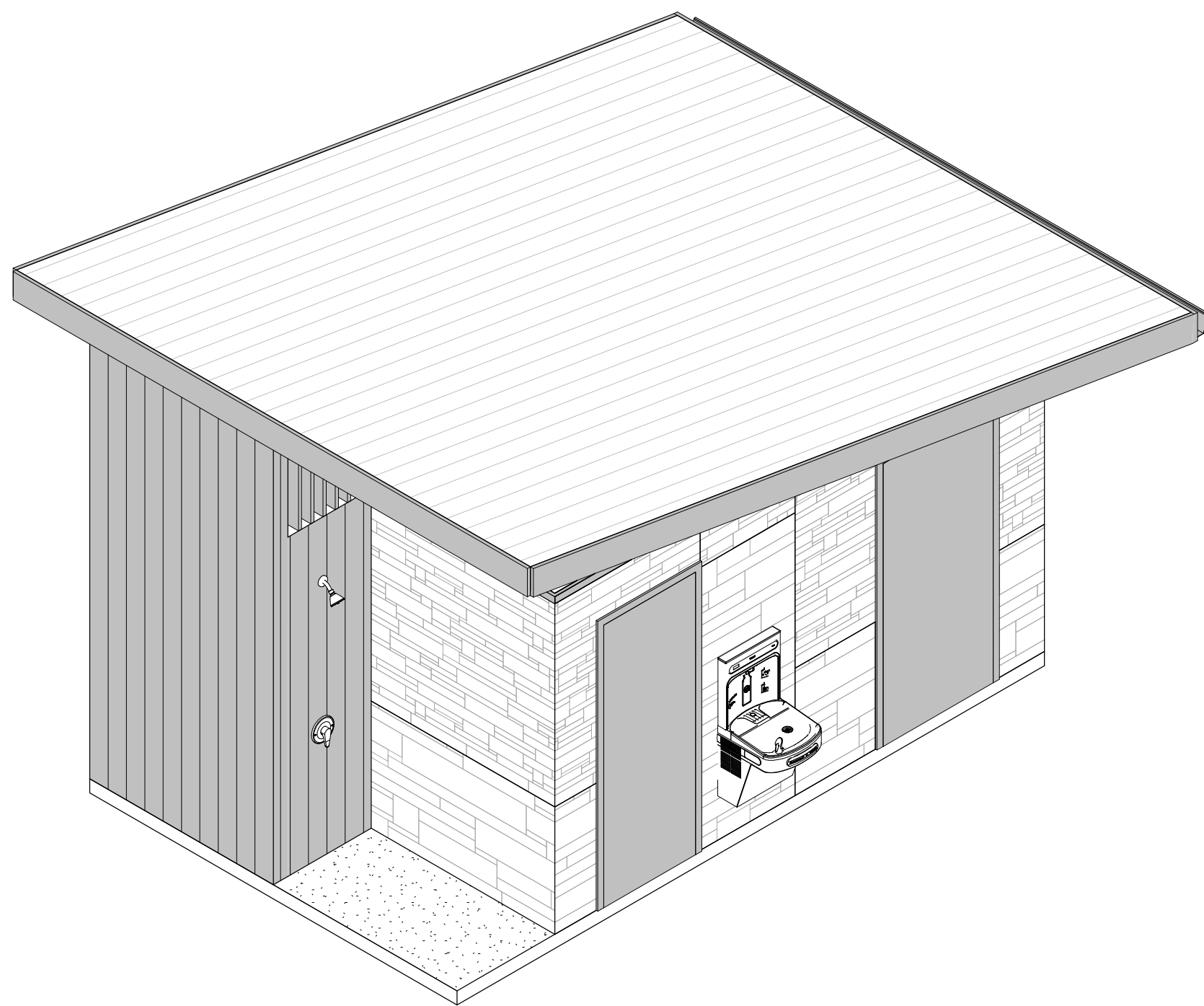


02 1ST FL RCP  
SCALE: 1/2" = 1'-0"

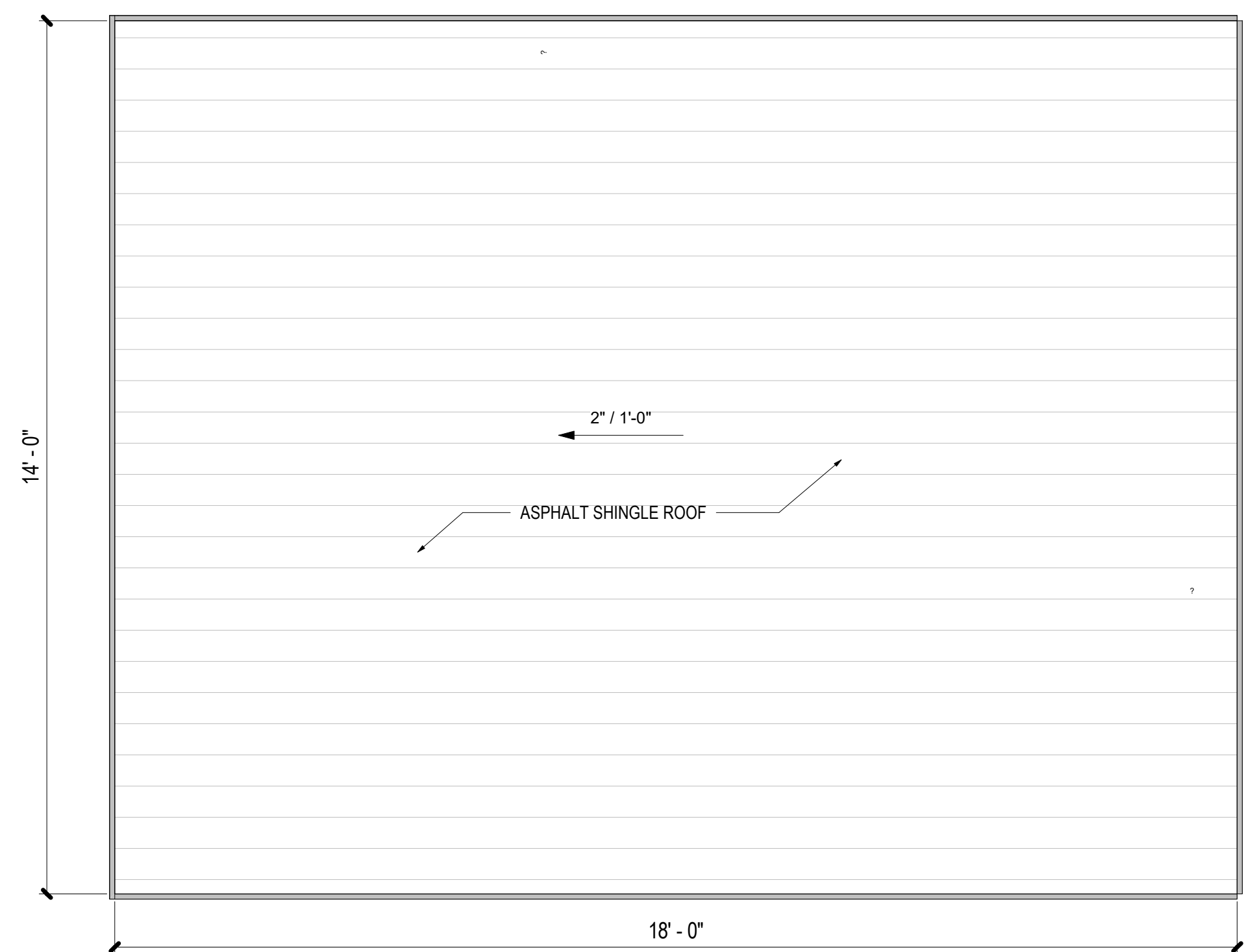
EXTERIOR FINISH LEGEND	
SYMBOL	DESCRIPTION
METAL	
(MT-10)	099100 PAINTING CODE: MT-10 DESCRIPTION: ANODIZED METAL FINISH COLOR: DARK BRONZE
STONE	
(ST-10)	044200 STONE CODE: ST-10 DESCRIPTION: STONE FACING MANUFACTURER: ARRISCRRAFT FINISH COLOR: GEORGIA CITADEL - MOCHA NOTE: MORTAR COLOR: TAN, GLEN-GERY G-406
(ST-11)	044200 STONE CODE: ST-11 DESCRIPTION: STONE FACING MANUFACTURER: ARRISCRRAFT FINISH COLOR: GEORGIA CITADEL - MOCHA NOTE: MORTAR COLOR: TAN, GLEN-GERY G-406
PAINT/STAIN	
(PT-10)	099100 PAINTING CODE: PT-10 DESCRIPTION: PAINT MANUFACTURER: BENJAMIN MOORE FINISH COLOR: HC-31 MANCHESTER TAN (SEMGLOSS)
(PT11)	099100 PAINTING CODE: PT11 DESCRIPTION: PAINT MANUFACTURER: BENJAMIN MOORE FINISH COLOR: CC-36 ACADIA WHITE (EGGSHELL)



09 AXON - ADA BATH - SE  
SCALE:



08 AXON - ADA BATH - NW  
SCALE:



03 CONSTRUCTION PLAN - ADA BATH ROOF  
SCALE: 1/2" = 1'-0"

YU ARCHITECTURE

6617 Locust St  
Falls Church, VA 22046

<https://www.yuarchitecture.com/>

△ Date Description

\*PROFESSIONAL CERTIFICATION:  
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME,  
AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE  
STATE OF VIRGINIA, LICENSE NUMBER 20862, EXPIRATION DATE 03/31/2024.

Seal / Signature

Project Name

Project Number

Description

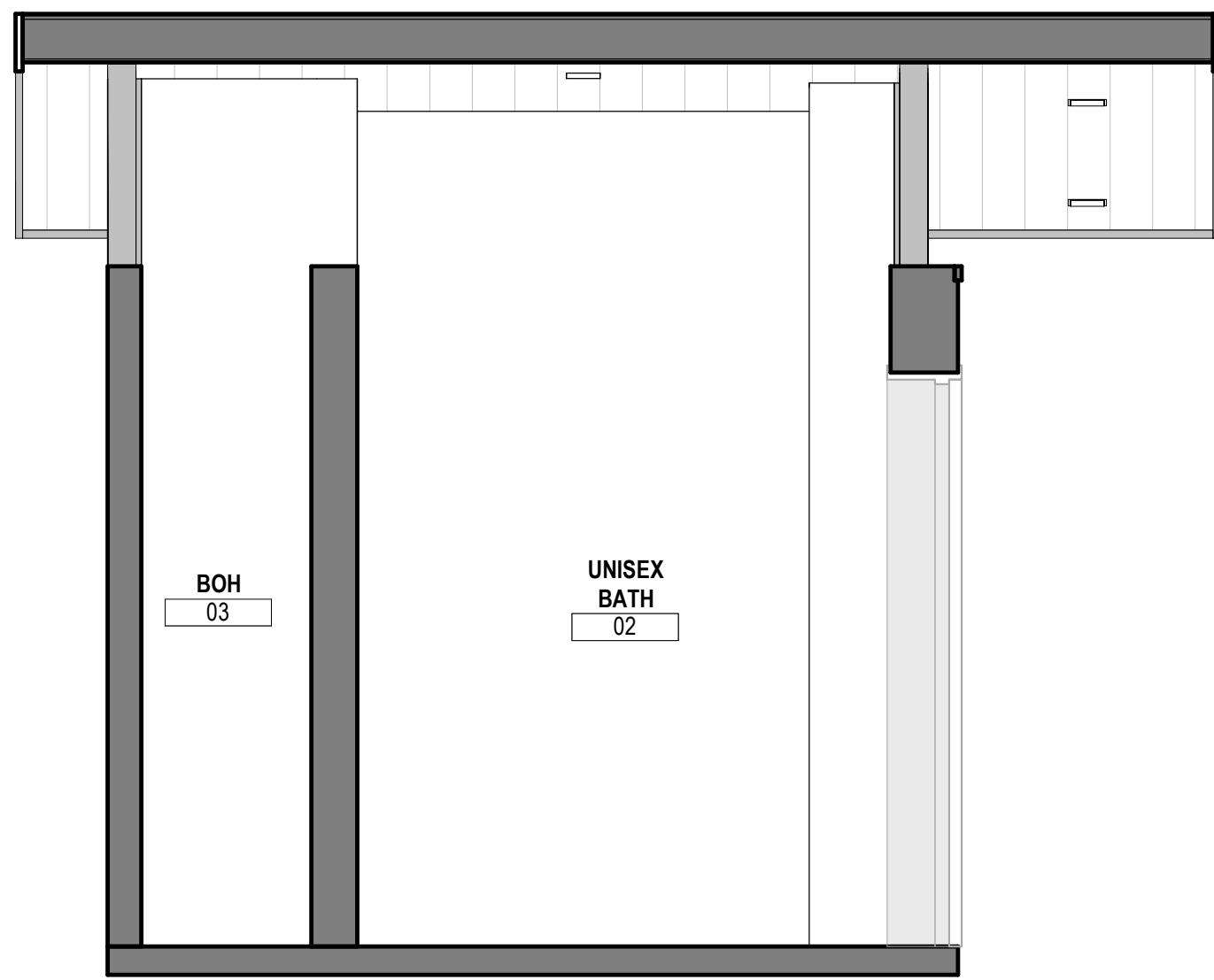
ADA BATH

Scale

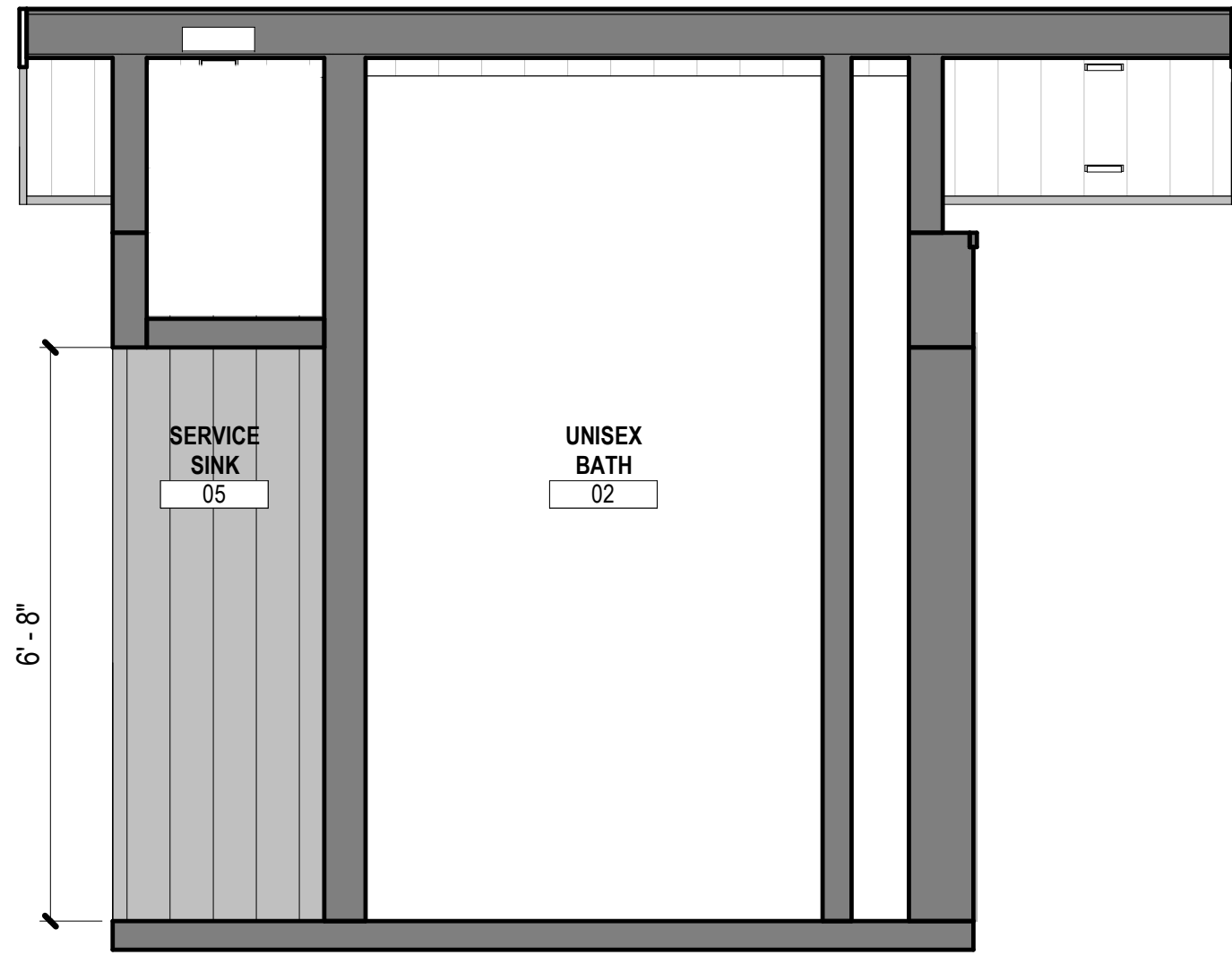
As indicated

B-01

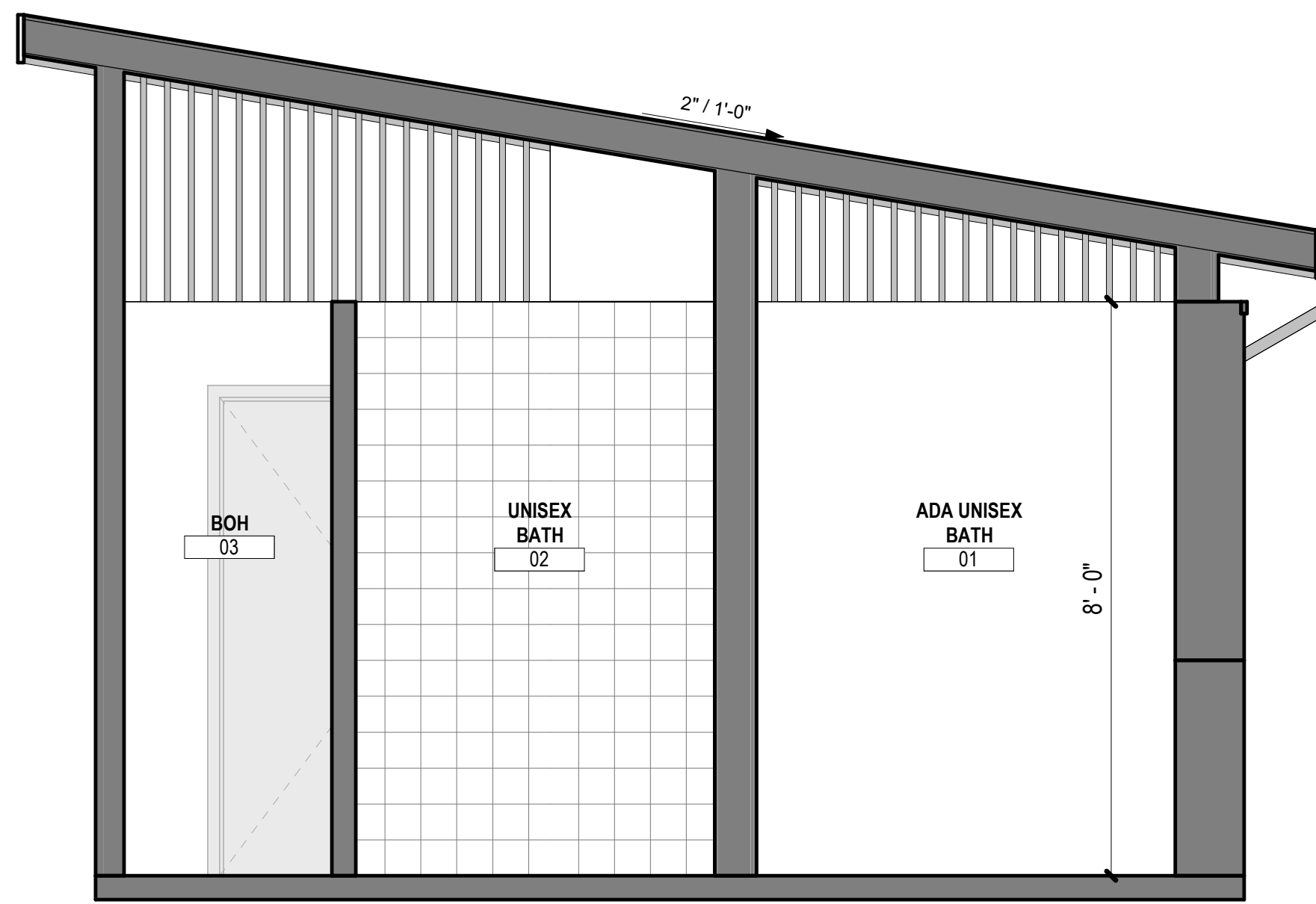




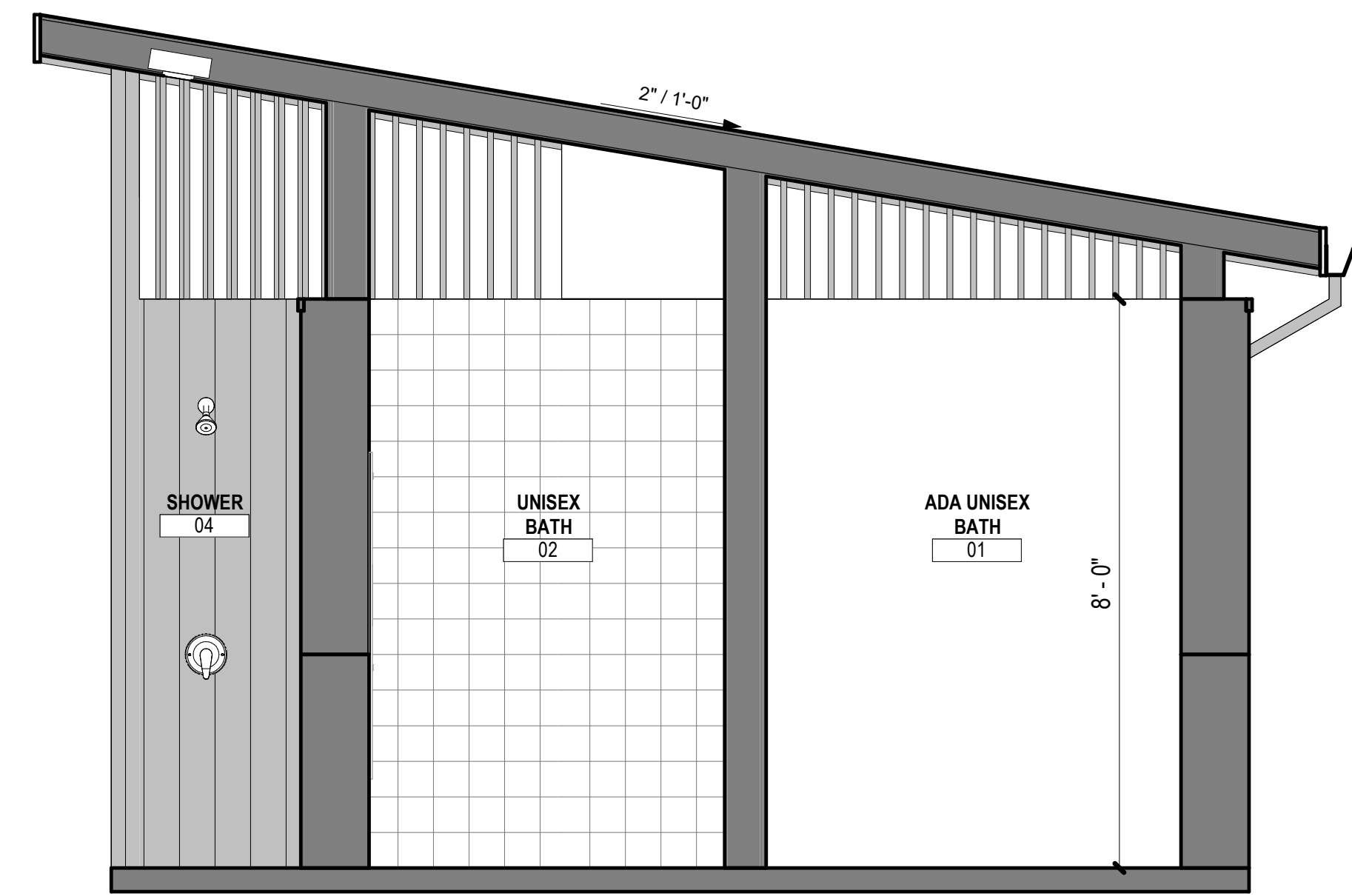
04 ADA BATH SECTION 4  
SCALE: 1/2" = 1'-0"



03 ADA BATH SECTION 3  
SCALE: 1/2" = 1'-0"



02 ADA BATH SECTION 1  
SCALE: 1/2" = 1'-0"



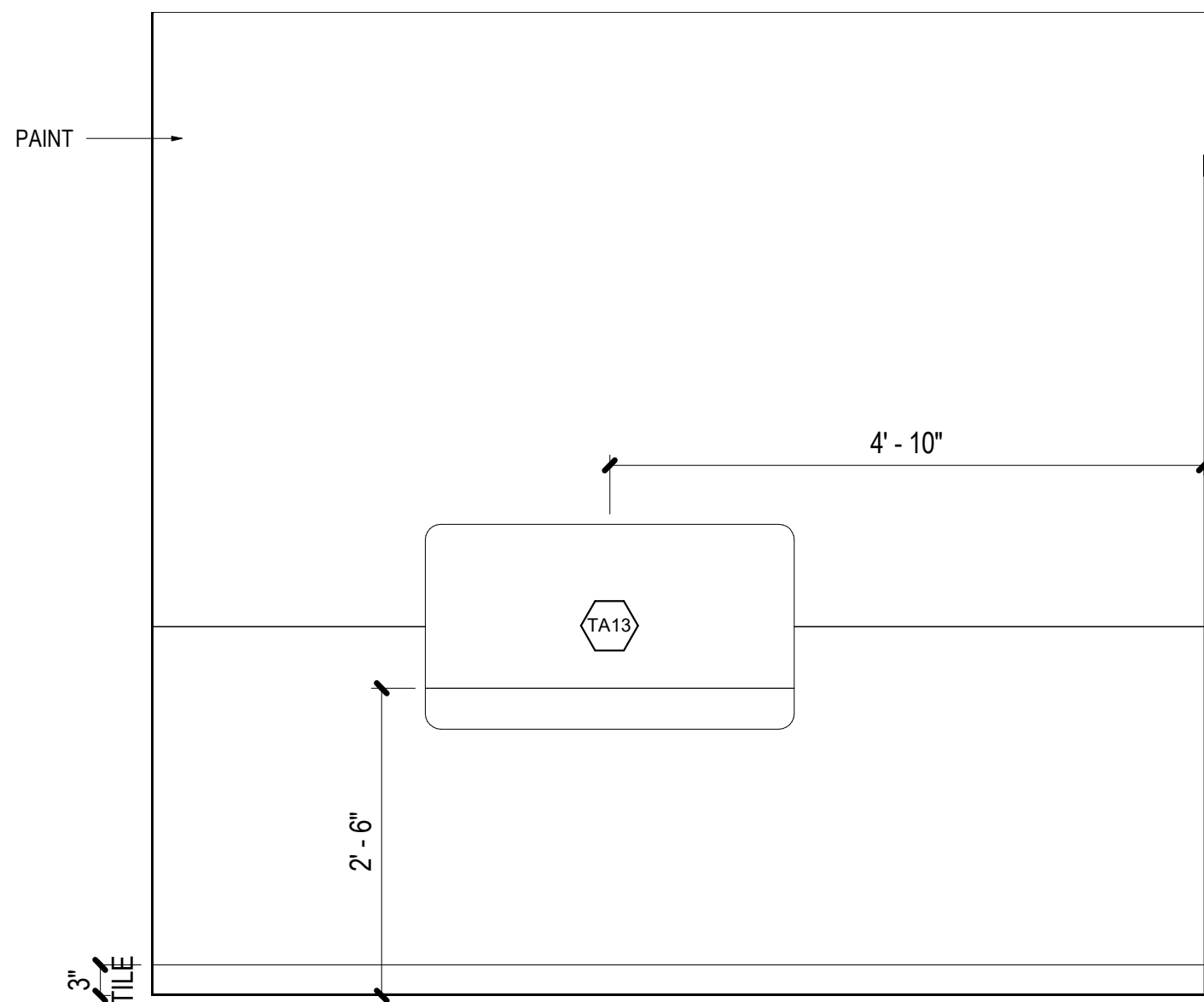
01 ADA BATH SECTION 2  
SCALE: 1/2" = 1'-0"

## PLUMBING FIXTURE SCHEDULE

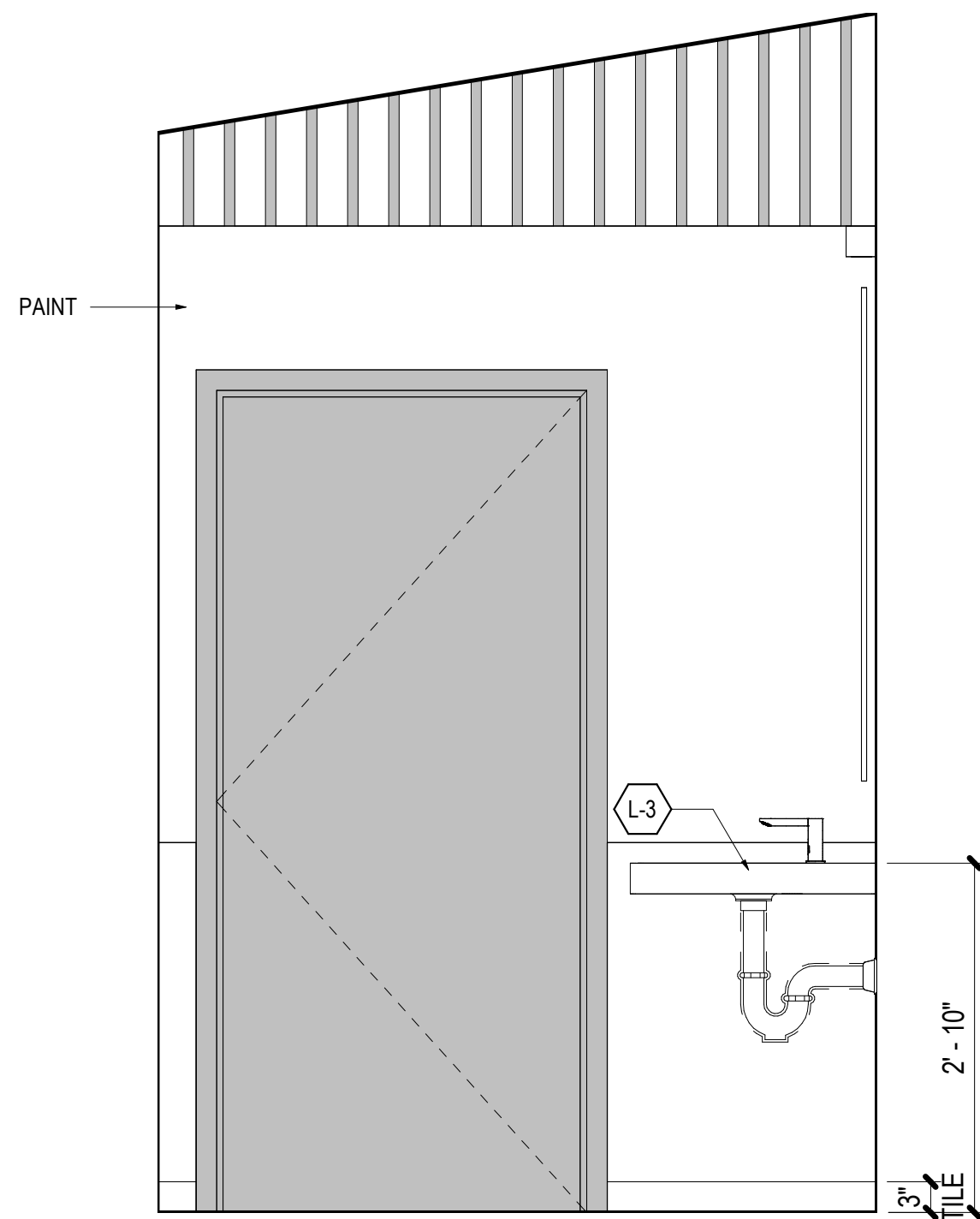
- L-2** DESCRIPTION: WALL-HUNG LAVATORY WITH BATTERY FAUCET AND SOAP DISPENSER, STANDARD HEIGHT  
NOTE: BATH
- L-3** DESCRIPTION: WALL-HUNG BOWL WITH BATTERY FAUCET AND SOAP DISPENSER, ADA HEIGHT  
NOTE: ADA BATH
- WC-1** DESCRIPTION: FLOOR DRAIN PLUMBING/YES
- WC-2** DESCRIPTION: FLOOR DRAIN PLUMBING/YES  
NOTE: PROVIDE SEAT (ADA GUIDELINES AND ASME A112.19.2 MET) (ADA - WC-2)

## TOILET ACCESSORY SCHEDULE

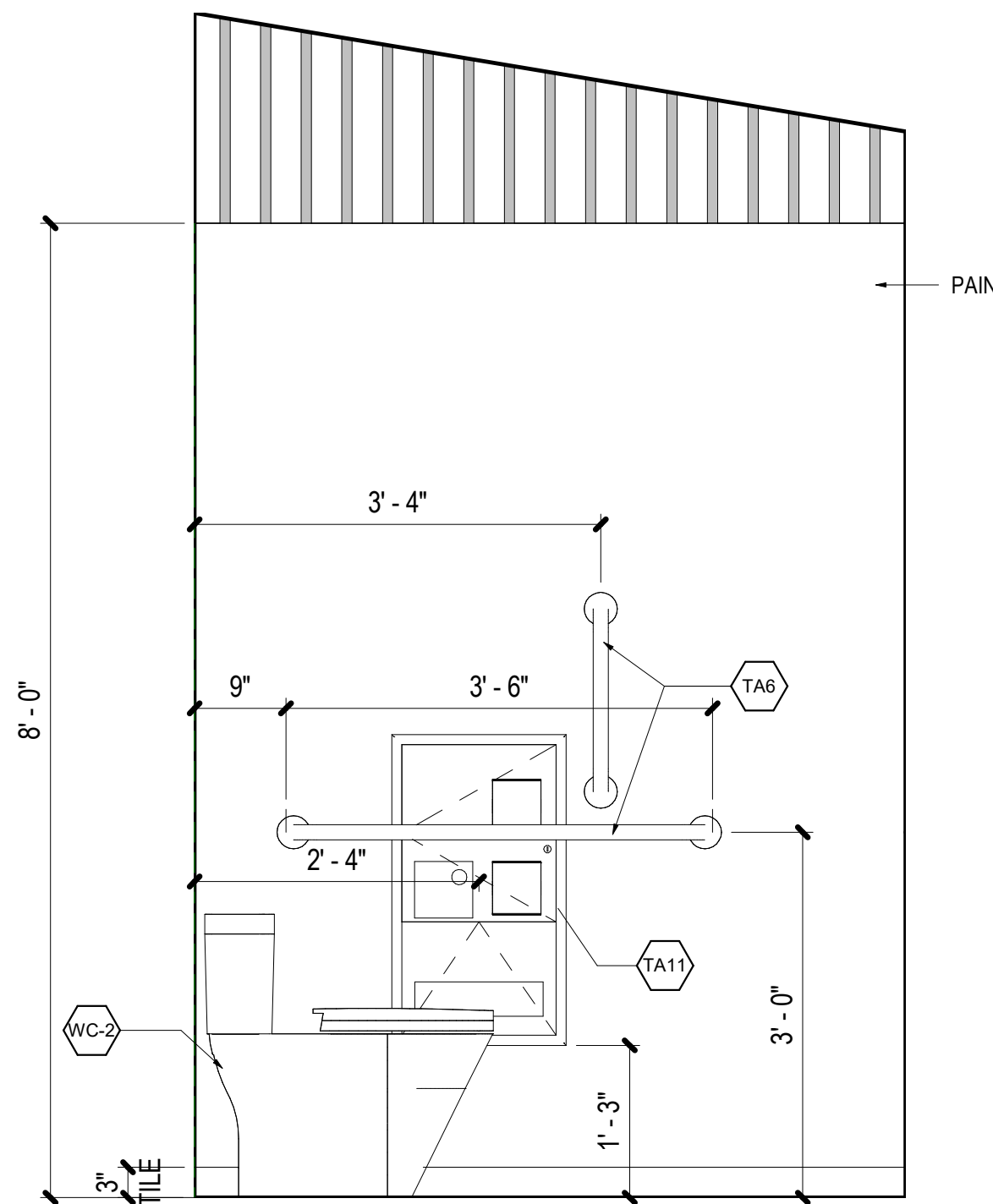
- TA3** DESCRIPTION: RECESSED PAPER TOWEL DISPENSER & WASTE RECEPTACLE  
MANUFACTURER: BOBRICK  
MODEL NAME: TRIM LINE SERIES  
MODEL NUMBER: B-3803  
LOCATION: ADA BATH & BATH
- TA6** DESCRIPTION: GRAB BAR  
MANUFACTURER: BOBRICK  
MODEL NAME: 1 1/4" DIAMETER STAINLESS STEEL GRAB BARS WITH SNAP FLANGE  
MODEL NUMBER: B-5806  
FINISH/COLOR: SATIN FINISH  
SIZE: REF. ELEVATIONS  
LOCATION: ADA BATH
- TA11** DESCRIPTION: RECESSED TOILET SEAT COVER, SANITARY NAPKIN DISPOSAL AND TOILET TISSUE DISPENSER  
MANUFACTURER: BOBRICK  
MODEL NAME: CLASSIC SERIES  
MODEL NUMBER: B-35745  
LOCATION: ADA BATH & BATH
- TA13** DESCRIPTION: DIAPER CHANGING STATION  
LOCATION: ADA BATH & BATH



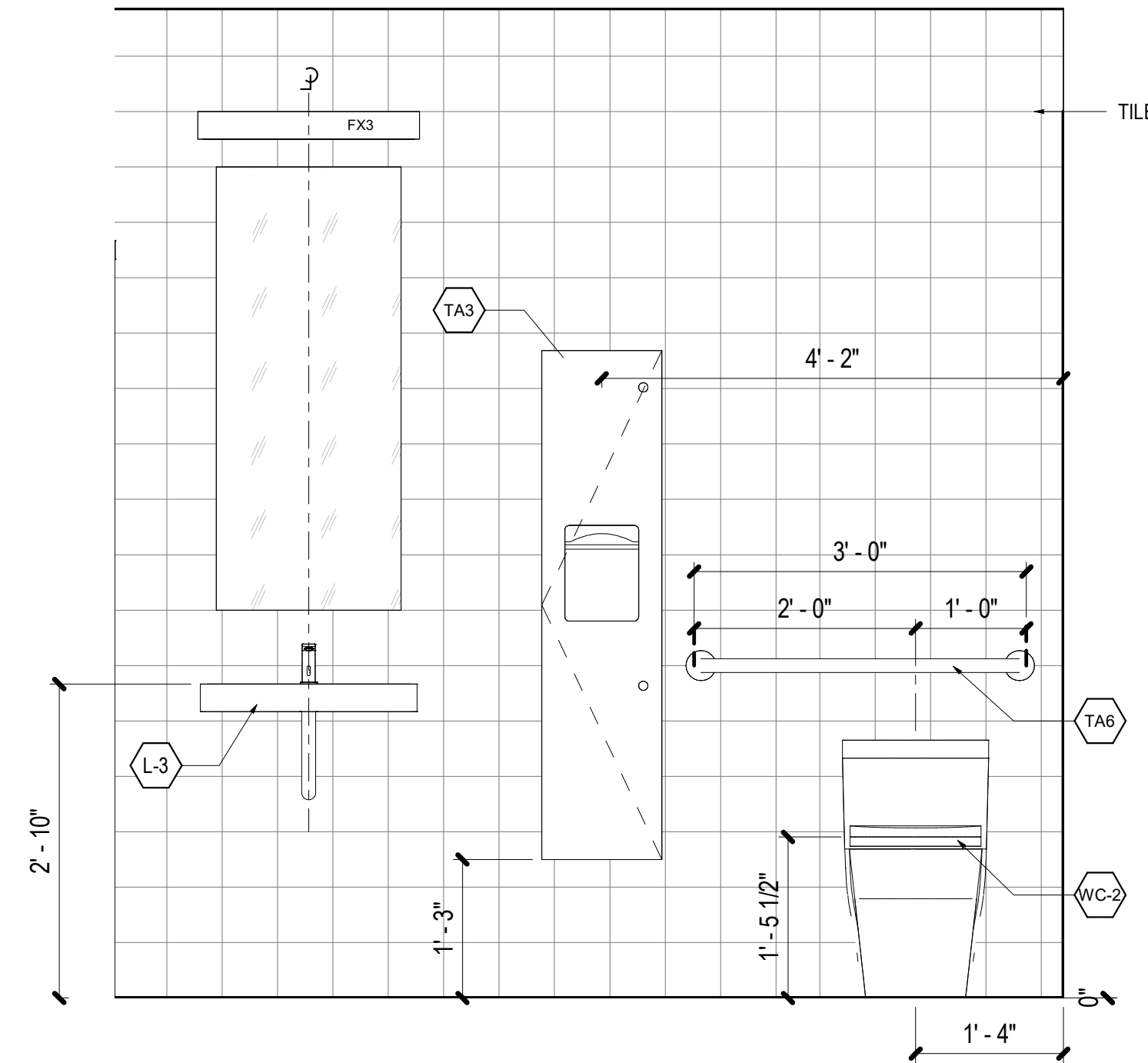
08 ADA BATH - SOUTH  
SCALE: 3/4" = 1'-0"



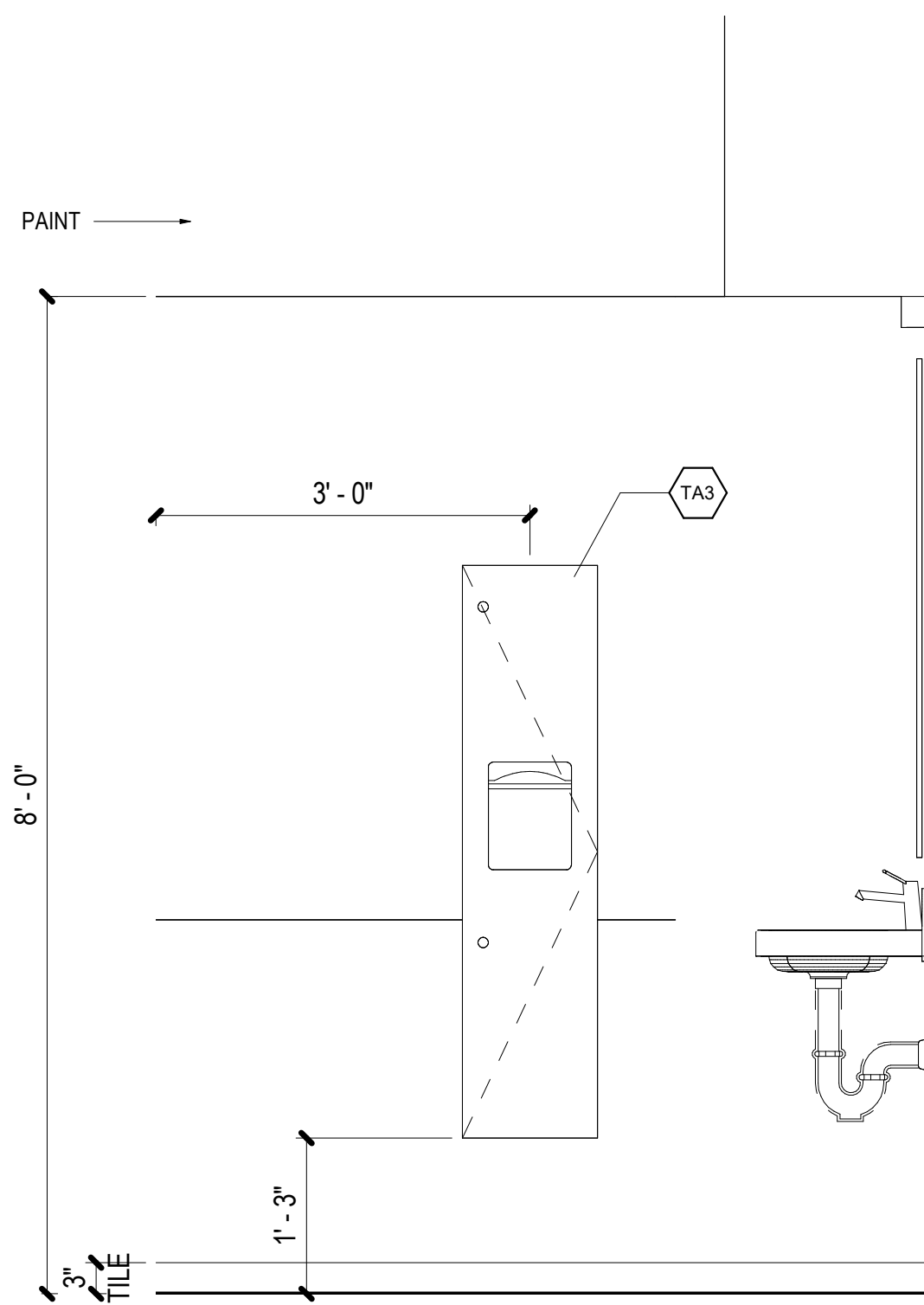
07 ADA BATH - WEST  
SCALE: 3/4" = 1'-0"



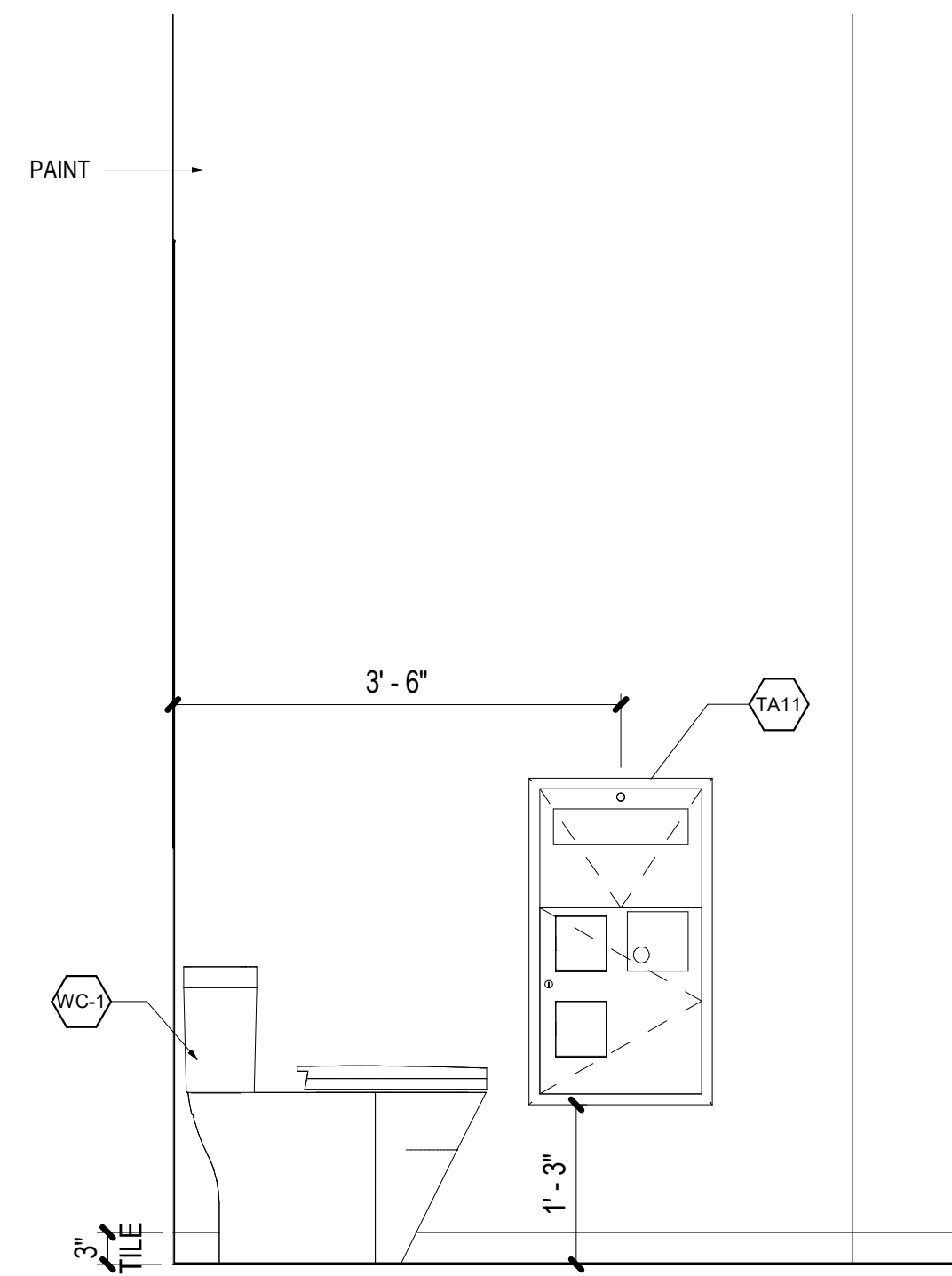
06 ADA BATH - EAST  
SCALE: 3/4" = 1'-0"



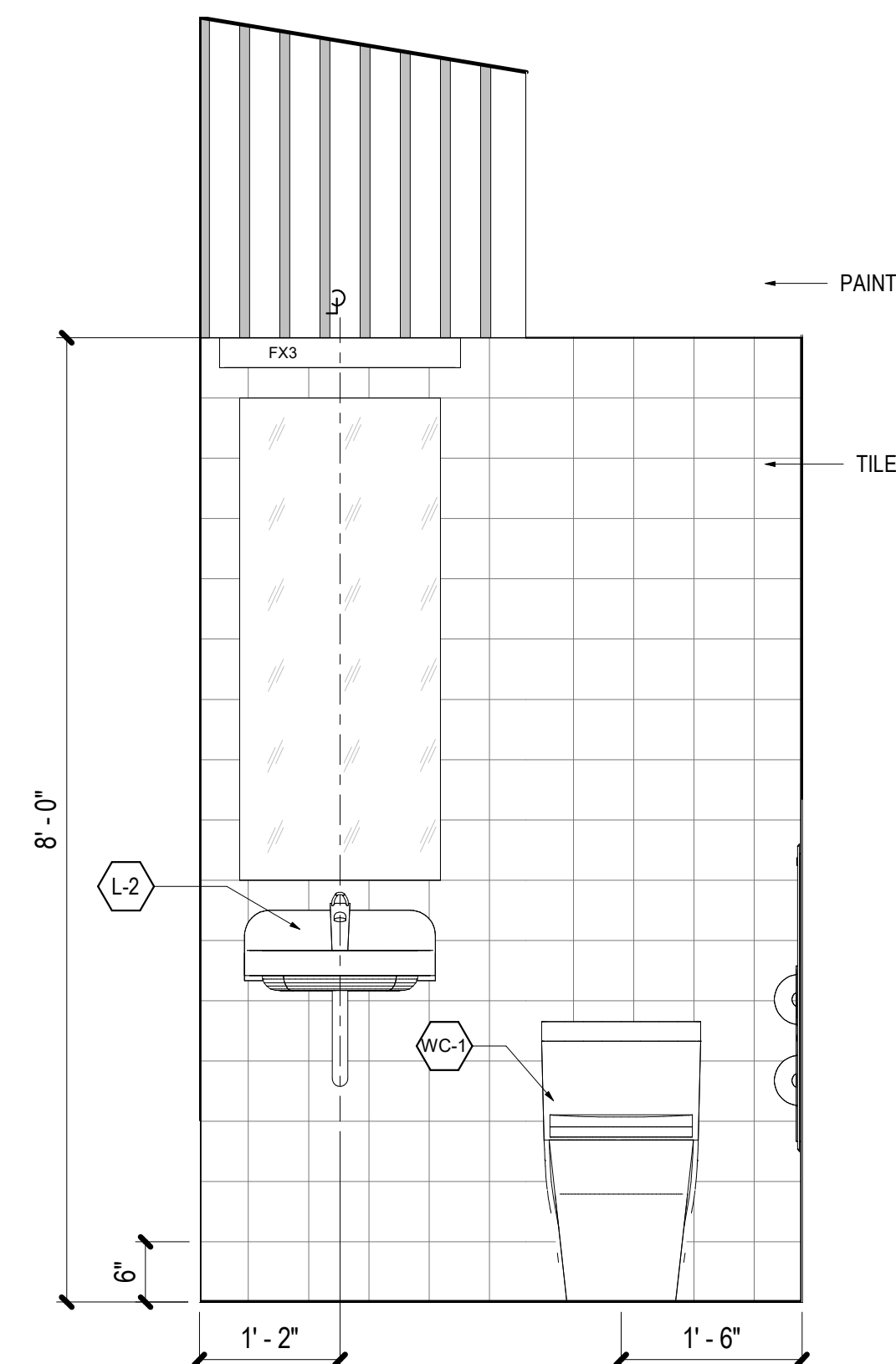
05 ADA BATH - NORTH  
SCALE: 3/4" = 1'-0"



11 BATH - NORTH  
SCALE: 3/4" = 1'-0"



10 BATH - SOUTH  
SCALE: 3/4" = 1'-0"



09 BATH - EAST  
SCALE: 3/4" = 1'-0"

## YU ARCHITECTURE

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△ Date Description

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STATE OF VIRGINIA, LICENSE NUMBER 0000000000, EXPIRATION DATE 06/30/2024.

Seal / Signature

Project Name

Project Number

Description

ADA BATH

Scale

As indicated

B-02







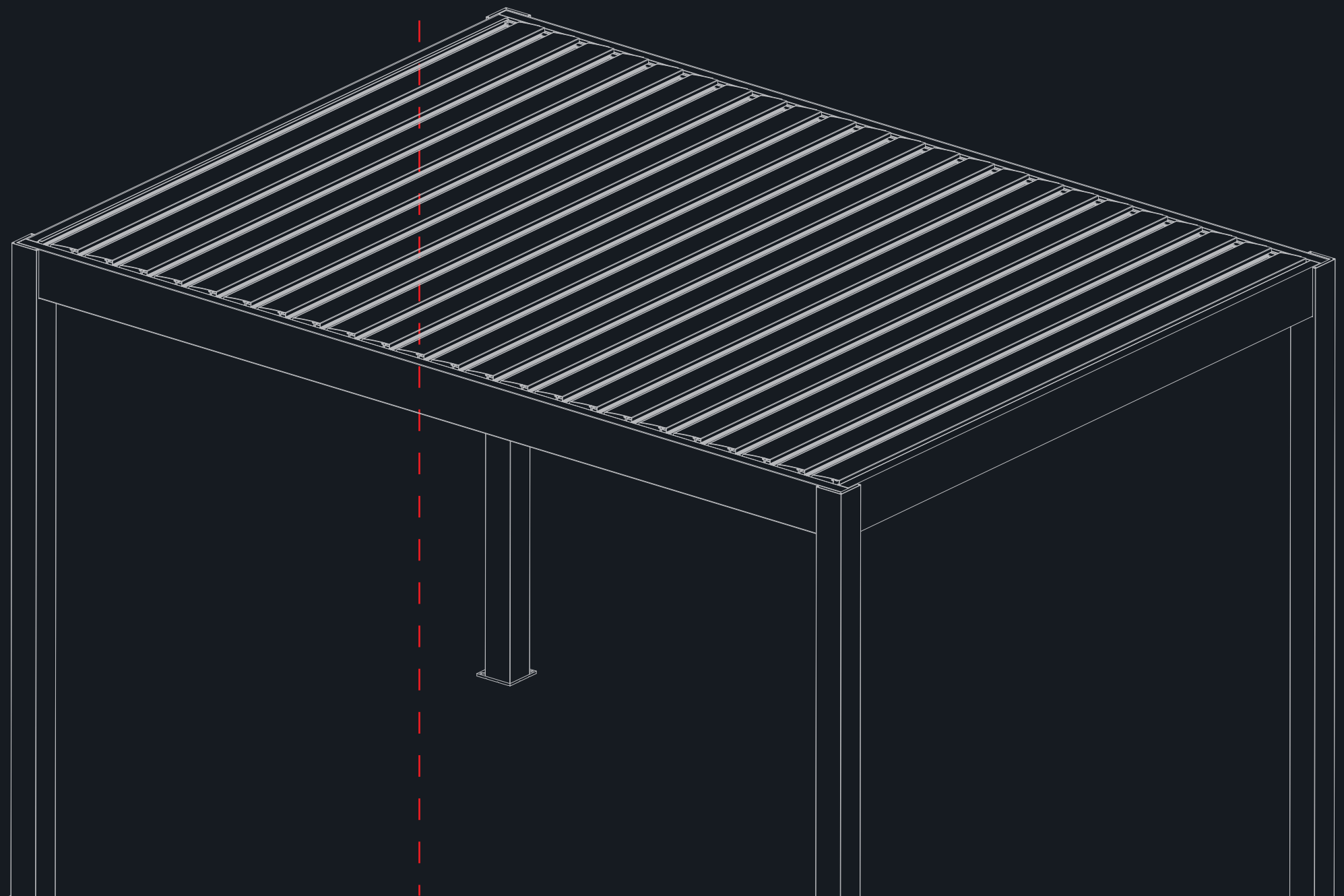
**Mr-banma®**

— Creating unique outdoor space —

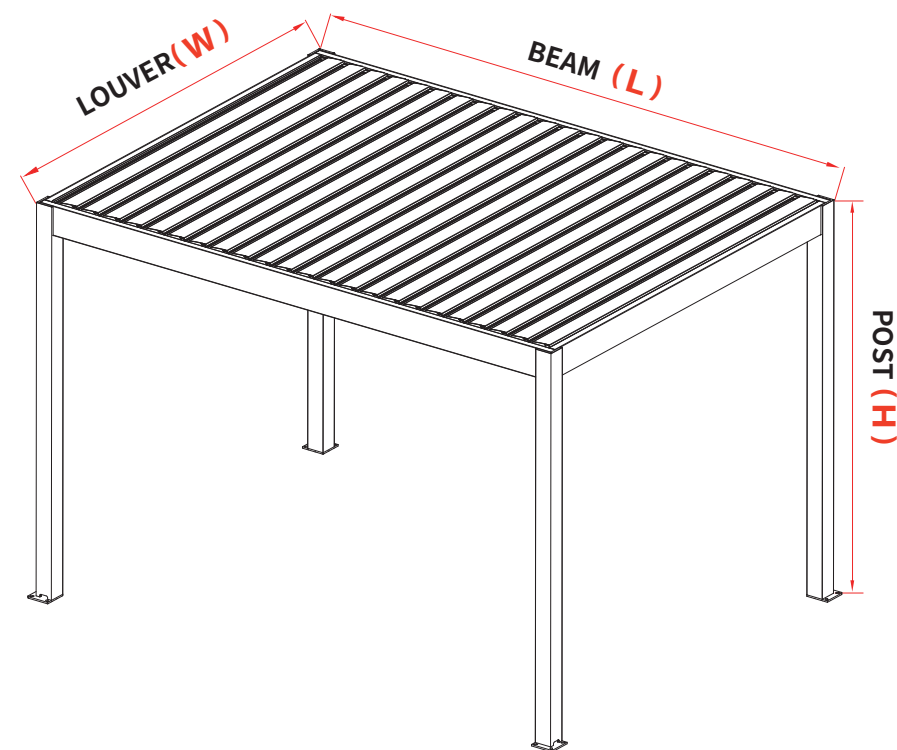
## PERGOLA PRODUCT MANUAL

Installation manual

MR-PL01



# Pergola

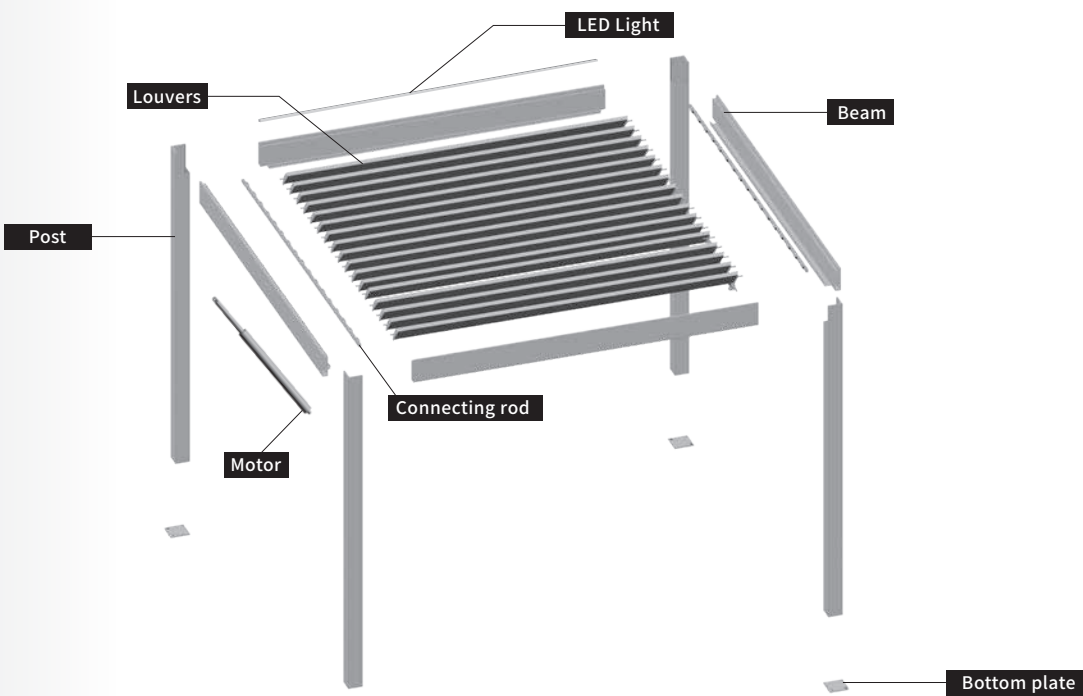


## Basic parameters

### MR-PL01

<b>Regular size</b> <small>Pivot* Louver* Height</small>	300*300*260cm	300*400*260cm	300*600*260cm	300*800*260cm
	400*300*260cm	400*400*260cm	400*600*260cm	400*800*260cm
	450*300*260cm	450*400*260cm	450*600*260cm	450*800*260cm
<b>Color</b>	White / Dark grey			
<b>Control</b>	Motorised / Manual			
<b>Material</b>	Aluminum alloy profile			
<b>Function</b>	Rain proof / Windproof / Snow protection / Sun protection / Fire prevention			
<b>Application</b>	Private house / Commercial places / Restaurants / Hotels / Clubs / Estate projects etc.			

# The packing detail

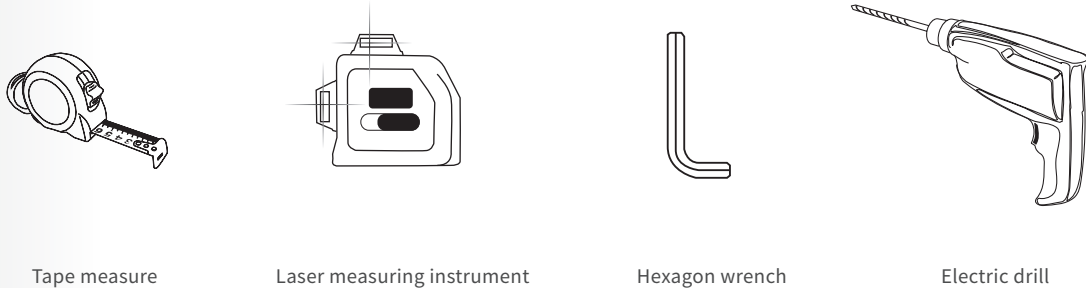


## Packages

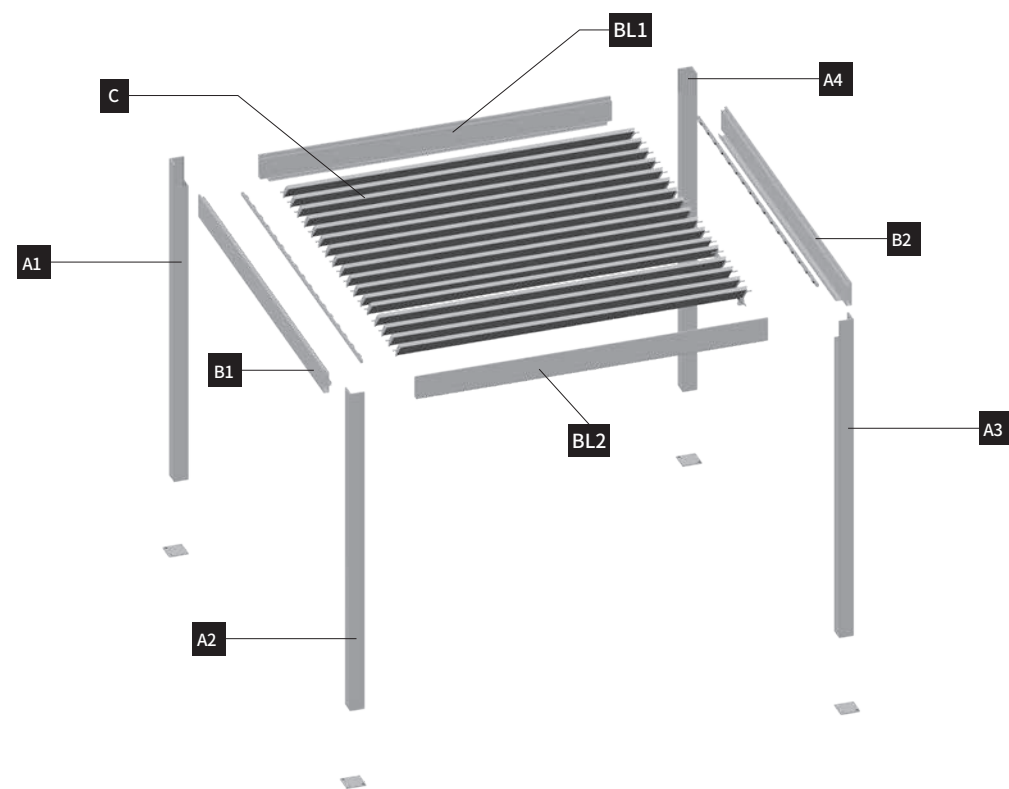
- 1-6: Posts
- 2/3/4-6: Louvers
- 5-6: Beams
- 6-6: Accessories



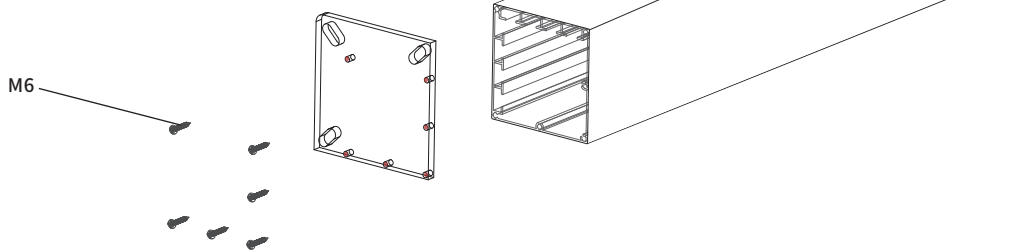
# Installation tool



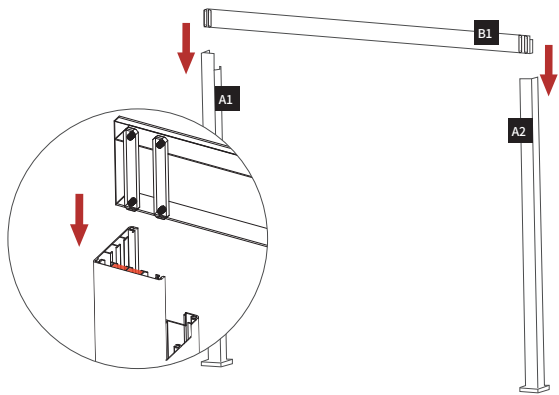
# Basic installation instructions



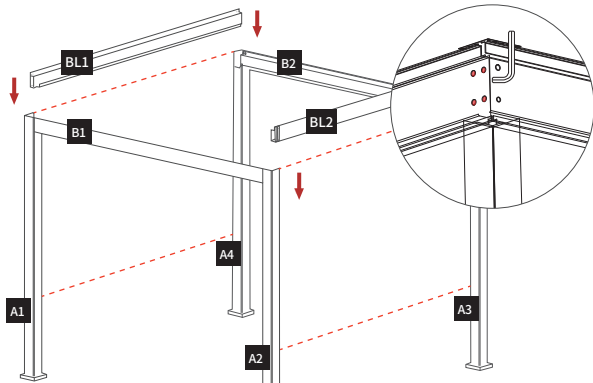
1 Fix the four bottom plates and the posts with screws.



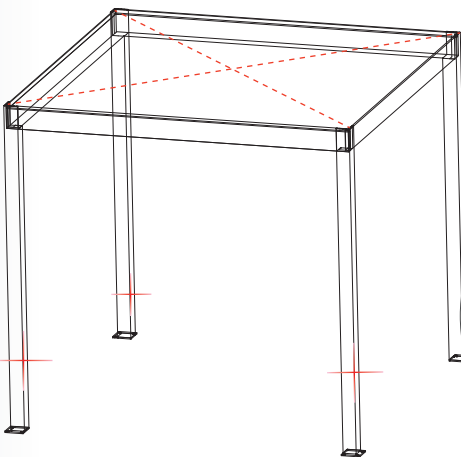
2 Connect the long beams B1 and B2 to the posts A1-A2 / A3-A4 respectively. After adjustment, fix the screws of the plug-in plate.



3 Stand up the posts at the same time, and measure the positions on both sides, install the beam in the direction of the louver; install the beam BL1 / BL2 on the post, and fix the screws of the plate screw.

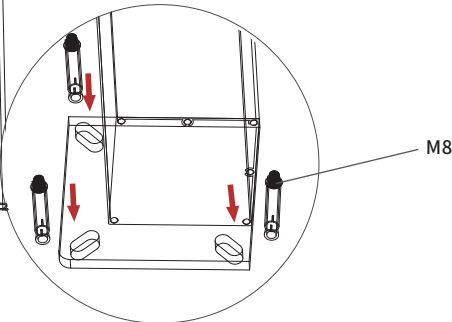


# Basic installation instructions

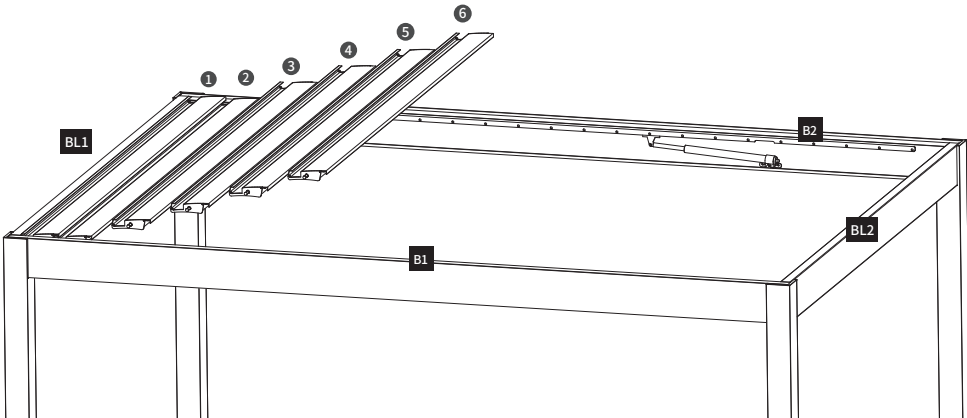


4 Measure the diagonal and surrounding lengths of the pergola frame to ensure accurate dimensions, and mark the location of the holes for fixing the base (not completely fixed for now).

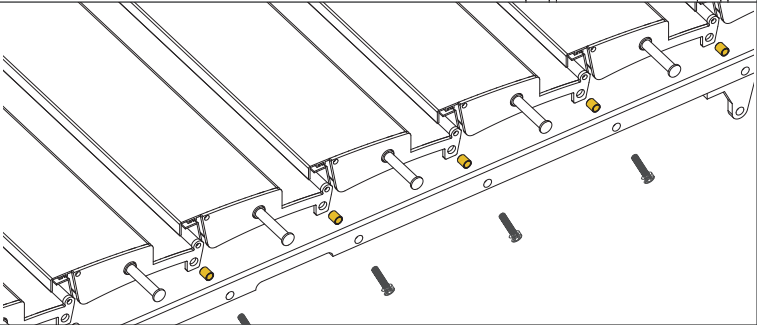
Tip: Please strengthen the ground before fixing the soil ground.



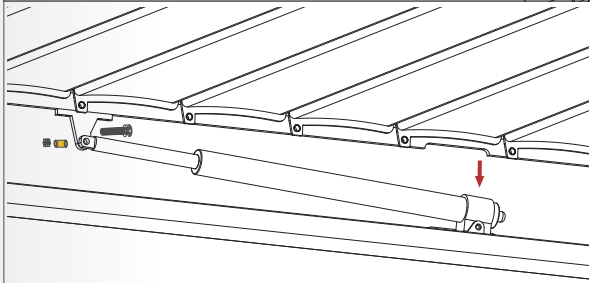
5 Install the louvers (BL1 direction is the first one).



6 Match the louver on the side of the motor to the hole position with the connecting rod, install the copper ring first, put a gasket between the louver and the link rod, and fix it with screws.



7 First temporarily energize the motor, adjust the motor stroke to the maximum and loosen the motor base, and then start fixing the motor and the louver connecting plate (align the connecting rod hole with the motor hole, insert the copper ring first, then insert the screw, and put on the back cap ) and then push the motor forward to check that after the louvers are flush, fix the motor base.



# Basic installation instructions



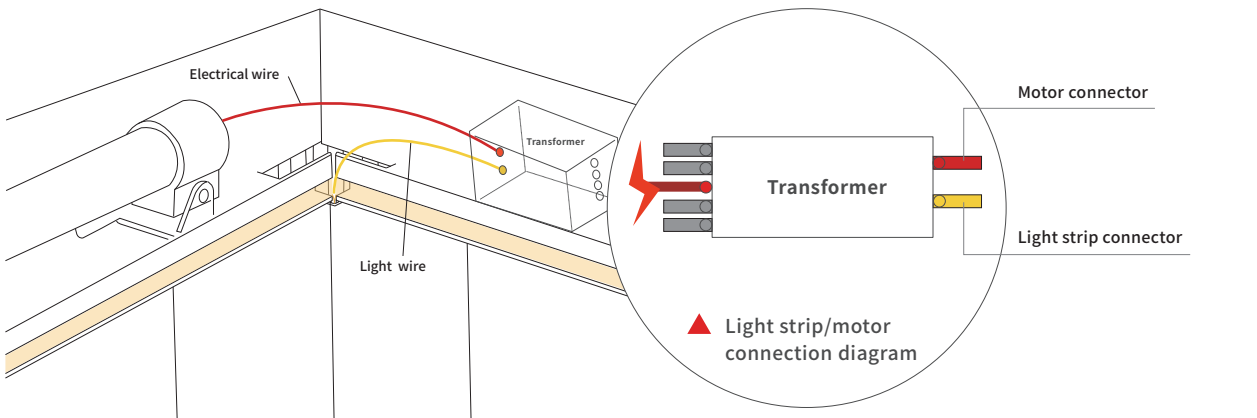
# Product maintenance



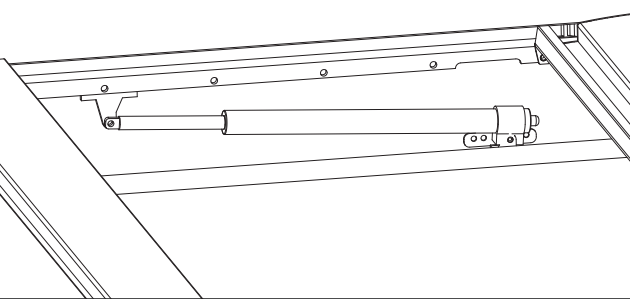
## PRODUCT MAINTENANCE

- 1.It is recommended that every 12 months, check whether the wire link is complete, whether there is leakage of the product.
2. Thunderstorm weather, do not recommend activities in the pergola.
3. The product is recommended to be run at least 2-3 times per month.
4. If there are heavy objects on the top, please clean the heavy objects before using it.
5. Foreign objects (leaves, etc.) on the top of the pergola should be cleaned in time.
6. This product can be washed and wiped with clean water. In coastal areas, it is recommended to wash with clean water once every 3 months to 6 months.

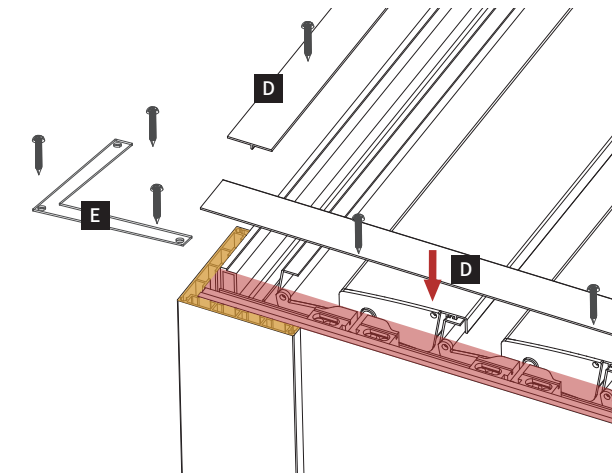
8 Put the LED light strip into the groove on the lower side of the beam, and the wires at the beginning and end are in the same position as the push rod motor wires.According to the label of the wire connector, it corresponds to the interface of the waterproof controller and is placed in the beam.



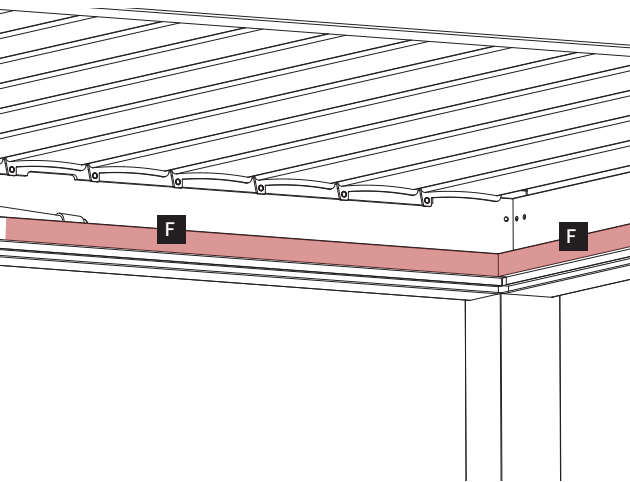
9 Power on, check whether there is any problem with the operation;  
if the operation is not smooth, please check :  
1. Whether the motor is running.  
2. Whether the installation distance is accurate.



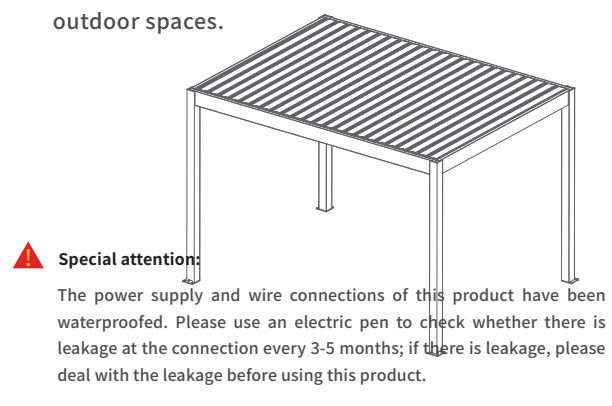
10 Put the louver pressing plate D into the groove on the upper end of the louver installation code and fix it with screws; Connect the upper cover of the post E with screws.



11 Install the beam fender F .



12 The installation is complete.Start enjoying unique outdoor spaces.



**Special attention:**  
The power supply and wire connections of this product have been waterproofed. Please use an electric pen to check whether there is leakage at the connection every 3-5 months; if there is leakage, please deal with the leakage before using this product.



# Mr-banma®

— Creating unique outdoor space —

