

CODE DATA

Applicable Codes: 2020 Minnesota State Building Code, 2018 International Building Code, 2020 Minnesota Accessibility Code, 2020 Minnesota Fire Code, 2020 Minnesota Mechanical & Fuel Gas Code, 2020 National Electrical Code - deferred submittal: Mechanical, Electrical, Fire Suppression

BUILDING SHELL DESCRIPTION

Building Footprint Area: 11,118 sq ft

Building Height: 1 Level, 12'-18'

Type of Construction: Type I-B UNSPRINKLED LOW RISE BUILDING

Occupancy Groups: Group B, Business; Group M, Mercantile

Fire Areas: Group B = 5748s; Group M = 4752sf; Group S-2 = 490sf

PROJECT DESCRIPTION: Renovation of fire-damaged building, including roof and roof deck repair, skylight replacement, restoration of interior finishes, reconstructed code-compliant restrooms, and spaces for anticipated offices and shops.

Occupant Load Calculations per MSBC/IBC 1004.5

Description (project area)	Area	s.f./Occ.	Occ. Load
BUSINESS AREAS (B)	5748	150 GROSS	39
MERCANTILE AREAS (M)	4752	60 GROSS	80
BASEMENT MECHANICAL ROOM (S-2)	490	300 GROSS	2
Total Occupant Load			121

Occupancies except basement mechanical room are nonseparated per IBC 508.3.3. & Table 508.4

NUMBER OF EXITS REQUIRED PER IBC 1006.2.1: 2

NUMBER OF EXITS PROVIDED: 5

NUMBER OF ACCESSIBLE MEANS OF EGRESS REQUIRED PER MBC 1009.1, EXCEPTION 3: 0

NUMBER OF ACCESSIBLE MEANS OF EGRESS PROVIDED: 5

MAXIMUM PERMITTED EXIT ACCESS TRAVEL DISTANCE PER IBC 1017.2: 200'

MAXIMUM EXIT ACCESS TRAVEL DISTANCE: 135'

MAXIMUM PERMITTED COMMON PATH OF EGRESS PER IBC 1006.2.1: 75'

MAXIMUM COMMON PATH OF EGRESS: 59'

NUMBER OF ACCESSIBLE TOILET ROOMS REQUIRED PER IBC 2902.1, IBC/MAC 1109.2: 2

NUMBER OF ACCESSIBLE TOILET ROOMS PROVIDED: 2

NUMBER OF TOILETS/ACCESSIBLE TOILETS REQ. PER IBC 2902.1, IBC/MAC 1109.2: 4/2

NUMBER OF TOILETS/ACCESSIBLE TOILETS PROVIDED: 6 + 1 URINAL/2

NUMBER OF AMBULATORY TOILET STALLS REQ. PER IBC 2902.1, IBC/MAC 1109.2: 2

NUMBER OF AMBULATORY TOILET STALLS PROVIDED: 2

NUMBER OF LAVATORIES/ACCESSIBLE LAVATORIES REQUIRED PER IBC/MBC 2902.1, IBC/MAC 1109.2: 4/2

NUMBER OF LAVATORIES/ACCESSIBLE LAVATORIES PROVIDED: 6/6

NUMBER OF SERVICE SINKS REQUIRED PER MBC 2902.1: 1

NUMBER OF SERVICE SINKS PROVIDED: 1 existing

NUMBER OF DRINKING FOUNTAINS/ACCESSIBLE DRINKING FOUNTAINS REQUIRED PER MSBC TABLE 2902.1, IBC 1109.5: 2/1

NUMBER OF DRINKING FOUNTAINS/ACCESSIBLE DRINKING FOUNTAINS PROVIDED: 2/1

Design Firm

Peter Lindsay Hill, Architect

Minnesota License 20104

612-207-6161

peterhill@viziortz.com

Architect

Locally that this plan was prepared by Peter Lindsay Hill, a duly licensed architect under the laws of the State of Minnesota

Project Title

Tawhid Business Center

430 Dale Street North

St Paul Minnesota

Scale

as noted

Sheet No.

A-01

of

5 Sheets

Design By

07/29/2023

Drawn By

Project ID

Tawhid Business Center

Checked By

Drawing Code

Reviewed By

430 Dale Street North

Submitted By

Tawhid Business Center

Project Manager

PRJ Date

No.

Date

Issue Notes

No.

Date

Revision Notes

Zone

Appr

A

B

C

D

E

Contractor to field verify all dimensions

DEMOLITION NOTES - GRADE LEVEL

- Demolish & remove all interior walls, except as indicated
- Remove existing plumbing fixtures throughout; cap lines as required. Retain roof drainage lines.
- Remove existing radiators & covers; cap underslab lines.
- Remove all electrical fixtures & devices in demolished walls; retain overhead wiring for lighting; retain wall electrical wiring to panels in retained walls only
- Remove all interior floor coverings; where adhesive or debris remains, grind to concrete slab
- Remove all ceilings, ceiling construction & unnecessary materials & construction above ceilings

Preserve existing 12" CMU perimeter wall, including exterior insulation & finish system; remove interior gypboard, insulation & finish

Retain existing door & frame

Demolish & remove all interior walls, except as noted

Protect & retain all existing windows on west facade <

Retain existing wall; remove & replace ex. gypbd

Demo existing women's room interior walls, plumbing fixtures, wudu stations and trough. Cap wudu plumbing below top of slab.

Retain existing doors,
frames & vestibule

Remove all interior floor covering; where adhesive or debris remains, grind to existing concrete slab as necessary

Where interior walls are to remain, remove wall gypsum board and finishes. Remove all existing interior doors and frames, except as noted.

Remove and relocate
existing drinking fountain

Retain corridor walls;
remove & replace
existing gypboard

- Retain & protect ex. concrete column

➤ Remove and replace fire damaged windows

Retain existing doors, frames & vestibule

➤ Demo existing men's room interior walls/partitions, plumbing fixtures, tops, wudu stations and trough. Cap wudu plumbing below top of slab.

- Protect & retain existing windows

Preserve existing 12" CMU perimeter wall, including exterior insulation & finish system & wood skirt board; remove & replace interior insulation & finish

Protect & retain existing windows;
except in fire damaged areas

Demolish existing restroom walls,
plumbing fixtures, tops & finishes.
Cap plumbing below top of slab.

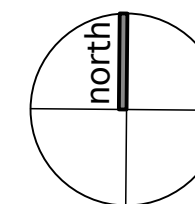
Retain all existing steel columns

Retain existing
walls, door & frame
remove & replace
ex. gypboard


1 Existing/Demolition Plan
Scale: 1/8" = 1'-0"

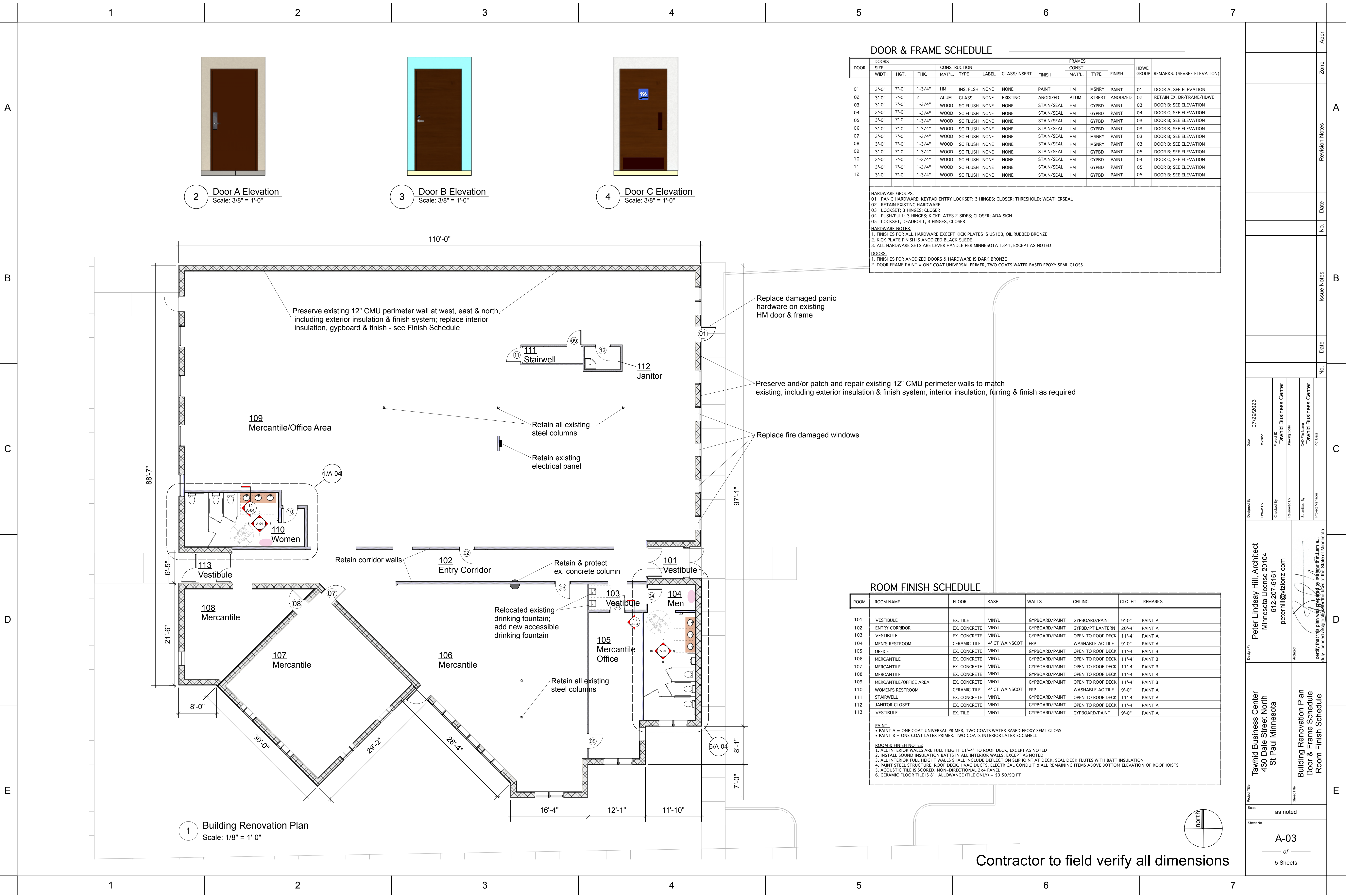
Basement Mechanical Room Plan
Scale: 1/8" = 1'-0"

No work this area



Contractor to field verify all dimensions

Project Title Tawhid Business Center 430 Dale Street North St Paul Minnesota	Design Firm Peter Lindsay Hill, Architect Minnesota License 20104 612-207-6161 peterhill@vizonz.com	Designed By	07/29/2023	No.	Date	Issue Notes	No.	Date	Revision Notes	Zone	Appr
		Drawn By	Revision								
		Checked By	Project ID Tawhid Business Center								
		Reviewed By	Drawing Code								
		Submitted By	CAD File Name Tawhid Business Center								
		Project Manager	Plot Date								
Project Title Existing/Demolition Plan Demolition Notes Basement Mechanical Room Plan		Architect 		I certify that this plan was prepared by me and that I am a duly licensed architect under the laws of the State of Minnesota		No.		Date		Revision Notes	



Plumbing fixture requirements & provisions

2018 International Building Code
2020 Minnesota State Building Code
2020 Minnesota Accessibility Code
Table 2902.1, Occupancy Groups B, Business (5748 sf = 39 occupants) & M, Mercantile (4752sf = 80 occupants)

Lavatories required (male) = 20+40 occupants = 1+1 lavs
Lavatories required (female) = 20+40 occupants = 1+1 lavs
Lavatories provided = 3 male restroom lavatories + 3 female restroom lavatories
Accessible lavatories required, per IBC 1109.2.3 = 1 accessible lavatory/restroom
Accessible lavatories provided = all lavatories shall meet accessible standards

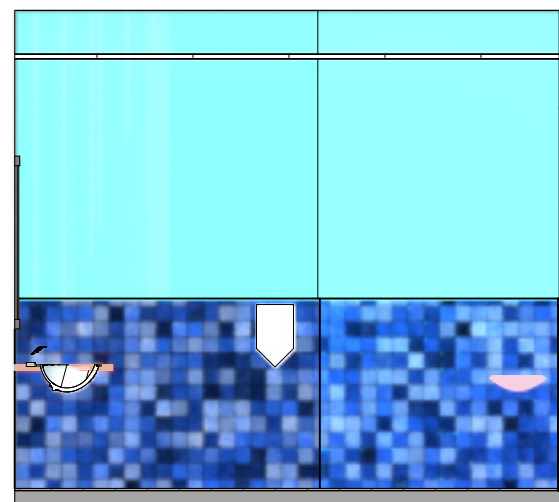
Water closets required (per IPC 419.2, urinal substitution not to exceed 0.67 x water closets required)
Water closets required (male) = 20+40 occupants = 1+1 male water closets
Water closets required (female) = 20+40 occupants = 1+1 female water closets
Water closets provided = 3 male water closets + 1 urinal + 3 female water closets
Accessible water closets required, per IBC 1109.2.2 = 1 accessible water closet/toilet room
Accessible water closets provided = 1 accessible water closet/toilet room
Ambulatory accessible water closets required, per MN Access 1109.2.2
= 1 ambulatory accessible water closet/toilet room
Ambulatory accessible water closets provided = 1 ambulatory accessible water closet/toilet room

Drinking fountains/accessible fountains required per MSBC 2902.1, IBC 1109.5 = 2/1
Drinking fountains/accessible fountains provided = 2/1 fountains/accessible fountains

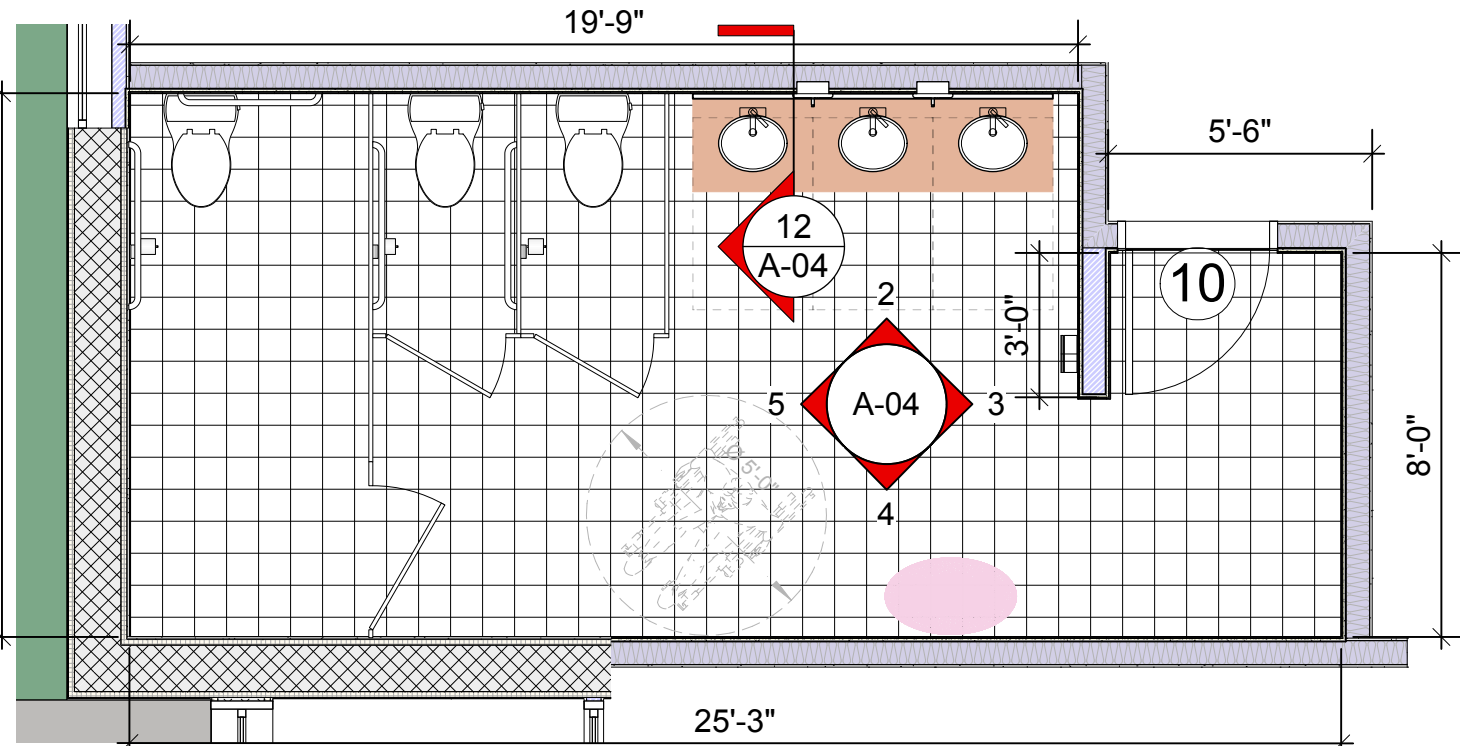
Service sinks required = 1 service sink
Service sinks provided = 1 service sink

Family toilet rooms required, per IBC 1109.2.1 = 0 family toilet rooms
Family toilet rooms provided = 0 family toilet rooms

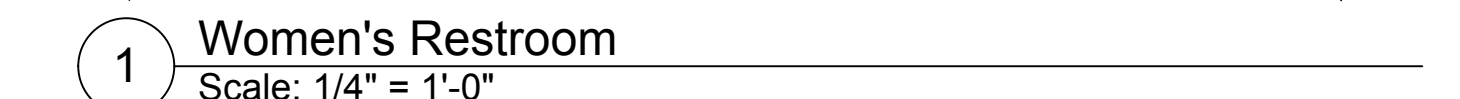
SEE ALSO CODE DATA SHEET /A-01



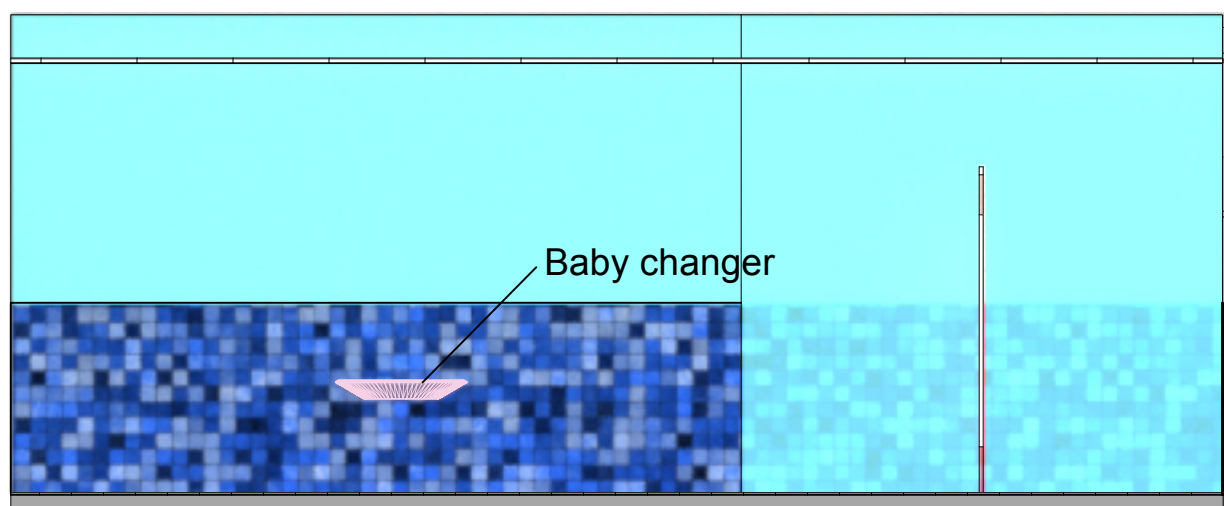
3 East Elevation
Scale: 1/4" = 1'-0"



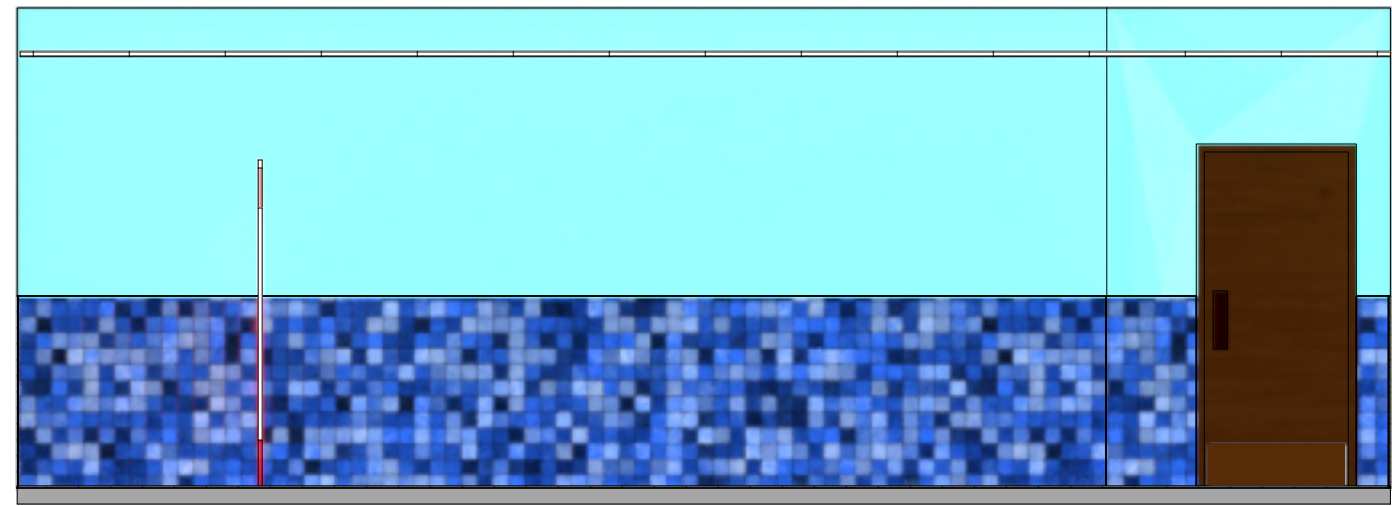
2 North Elevation
Scale: 1/4" = 1'-0"



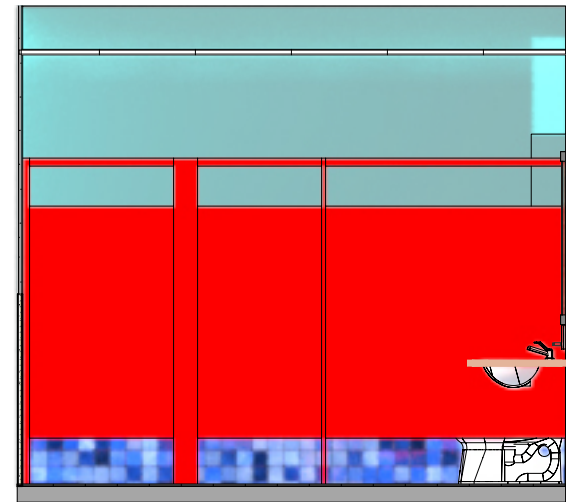
1 Women's Restroom
Scale: 1/4" = 1'-0"



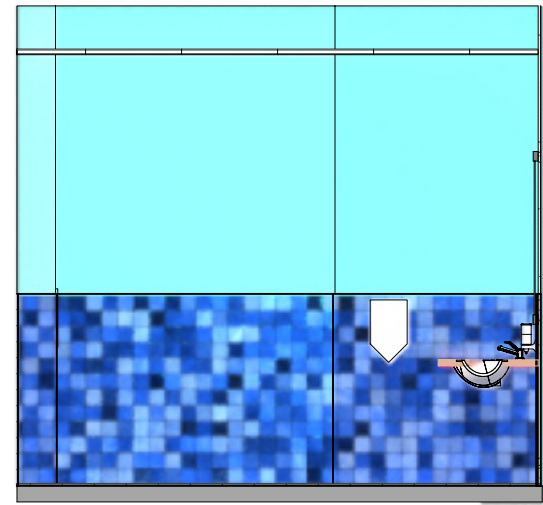
4 South Elevation
Scale: 1/4" = 1'-0"



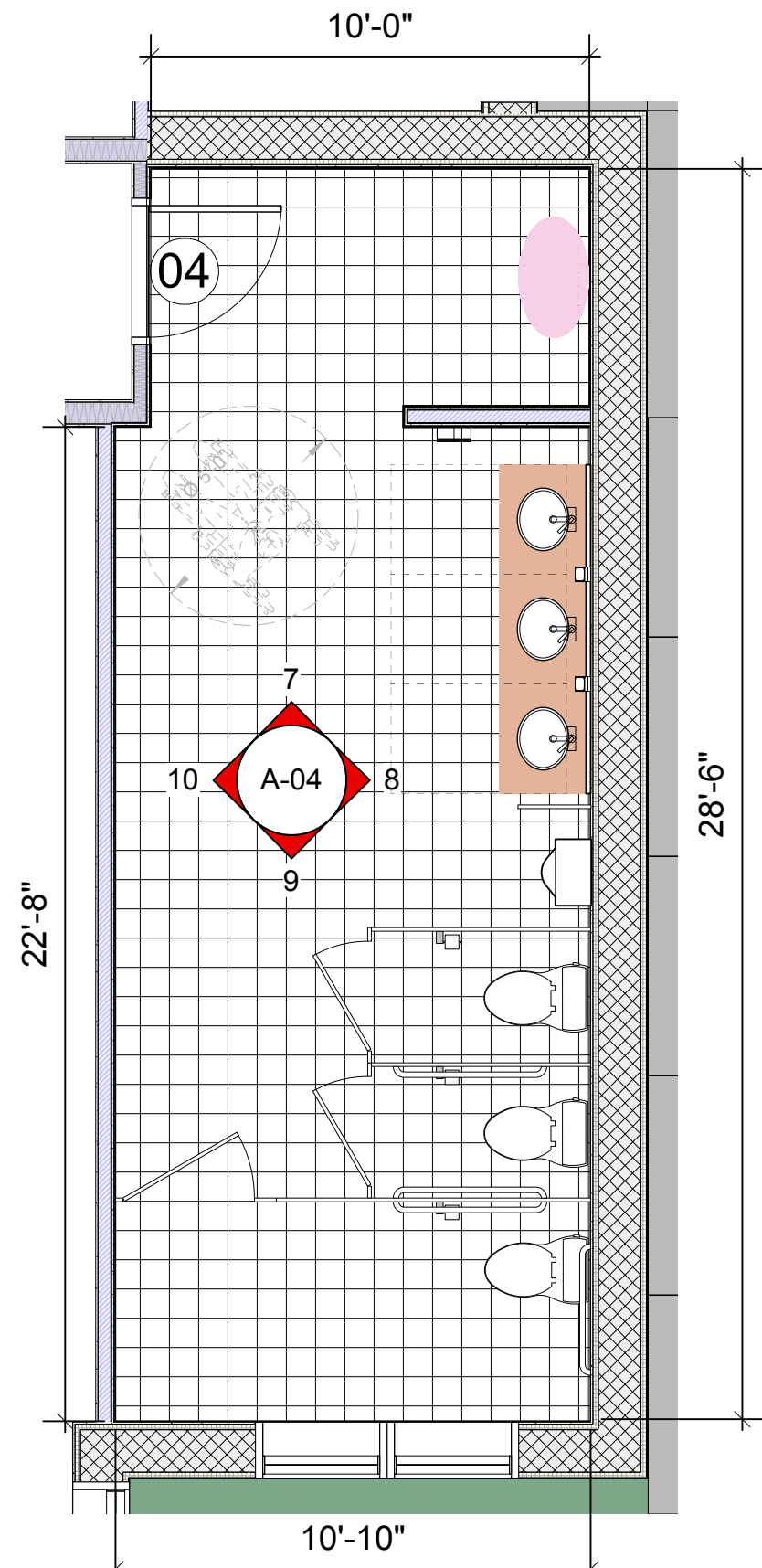
10 West Elevation
Scale: 1/4" = 1'-0"



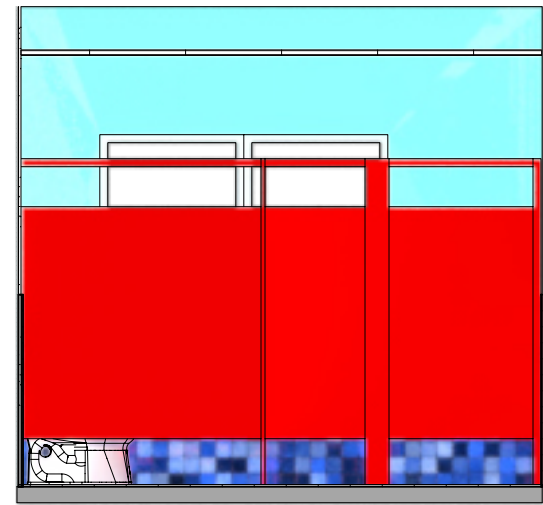
5 West Elevation
Scale: 1/4" = 1'-0"



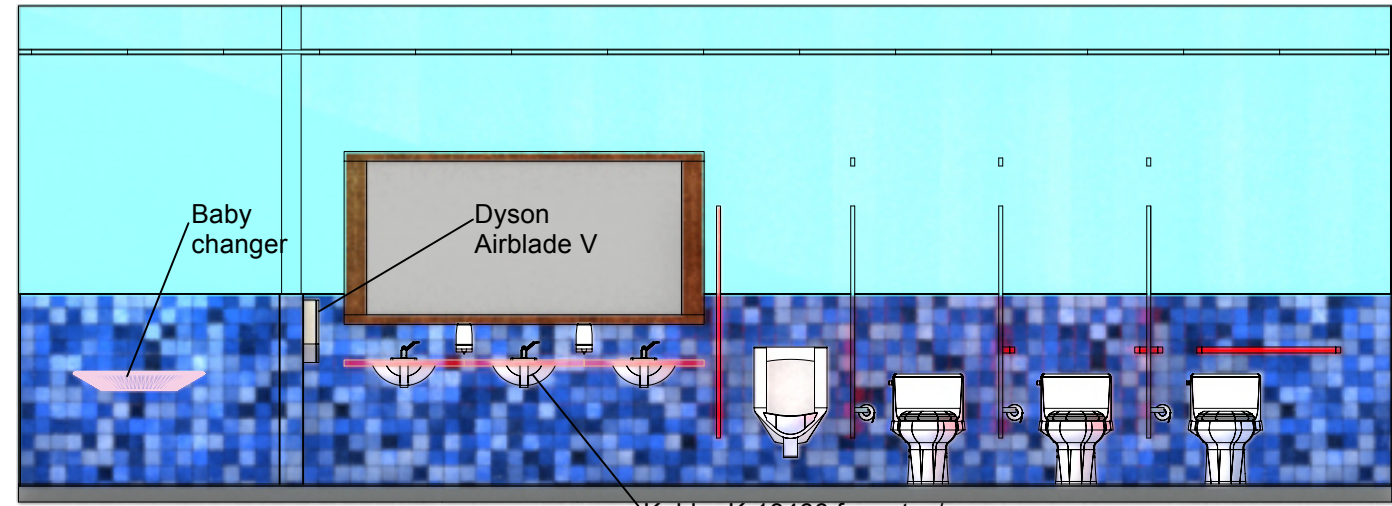
7 North Elevation
Scale: 1/4" = 1'-0"



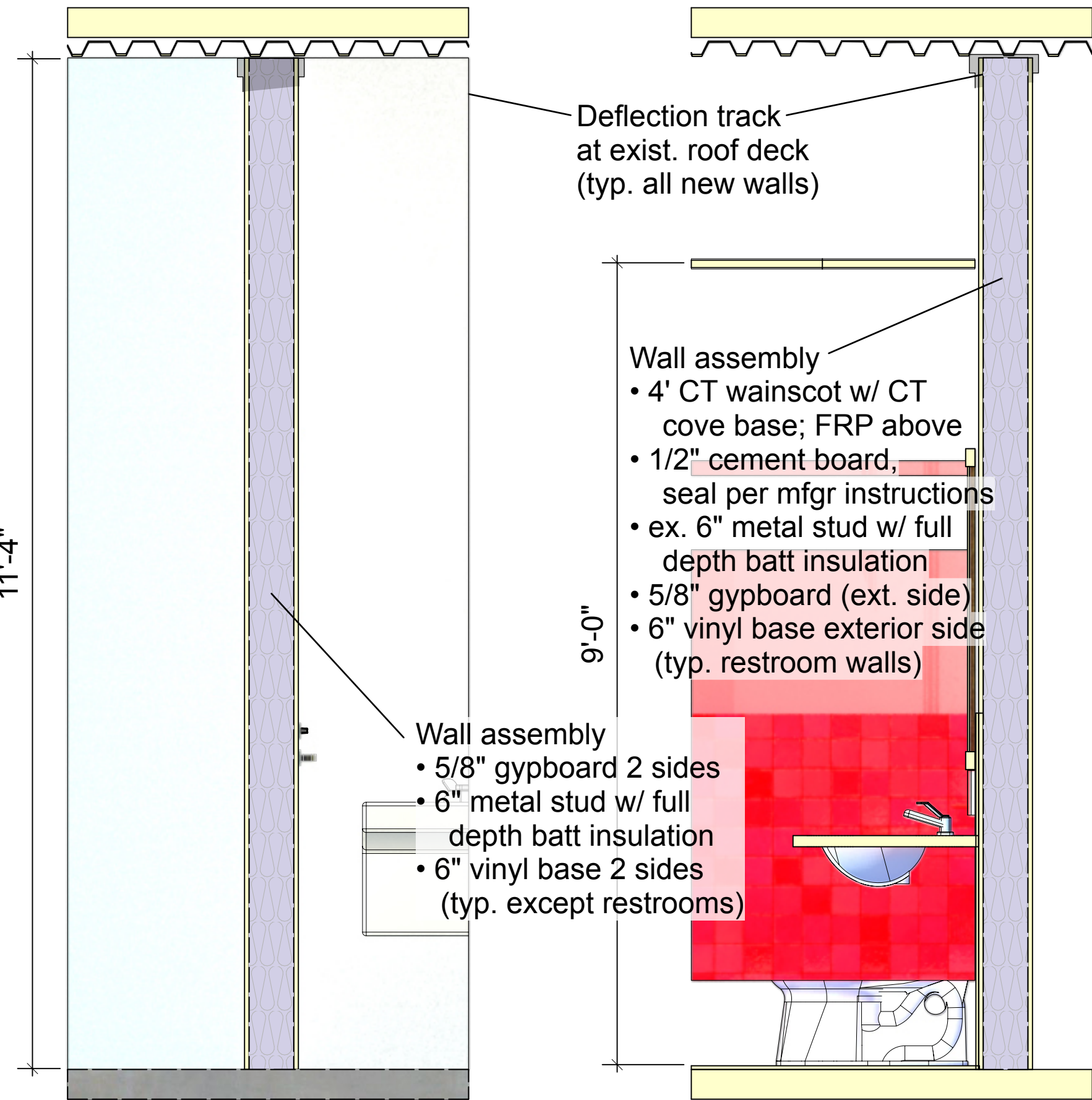
6 Men's Restroom
Scale: 1/4" = 1'-0"



9 South Elevation
Scale: 1/4" = 1'-0"

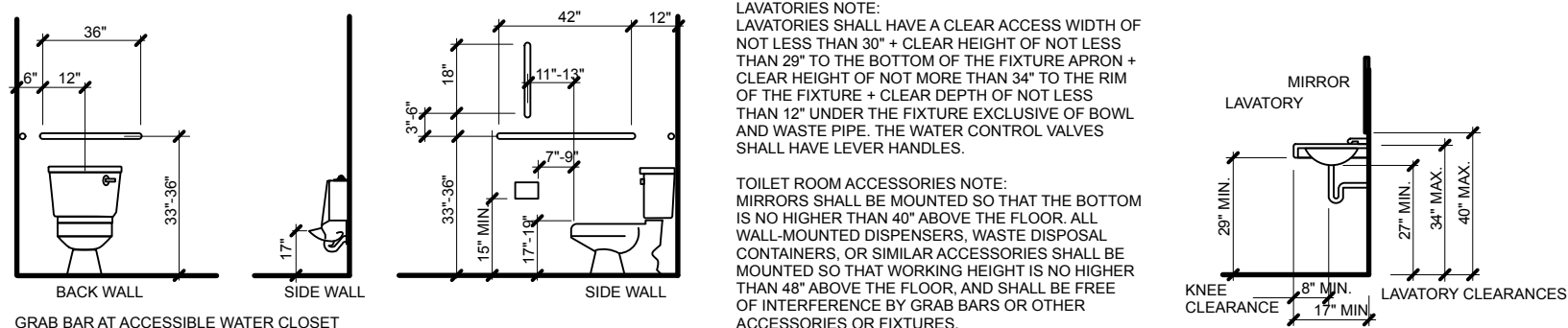


8 East Elevation
Scale: 1/4" = 1'-0"



13 Typical Wall Section
Scale: 3/4" = 1'-0"

12 Restroom Wall Section
Scale: 3/4" = 1'-0"



11 Accessible Restroom Dimensions
no scale

Contractor to field verify all dimensions

Revision Notes		Zone	Appr
A			
B			
C			
D			
E			
Project Title		Tawhid Business Center 430 Dale Street North St Paul Minnesota	
Project No.		612-207-6161	
Scale		1/4" = 1'-0"	
Sheet No.		A-04	
Sheet Title		Restroom Plans & Elevations Plbg Fixture Requirements/Provisions Accessible Fixture Requirements	
Design Firm		Peter Lindsay Hill, Architect Minnesota License 20104 peterhill@viziortz.com	
Architect		Locally fabricated and installed by the State of Minnesota Fully licensed architect and the State of Minnesota	
Date		07/29/2023	
Revision		Project ID Tawhid Business Center	
Drawn By		Drawing Code	
Checked By		CAD File Name Tawhid Business Center	
Reviewed By		Project Manager	
Submitted By		No.	
Project Manager		Date	
No.		Issue Notes	
No.		Date	
No.		Zone	
No.		Appr	

