Ray School Entry Renovation
Pricing Set
September 19, 2022
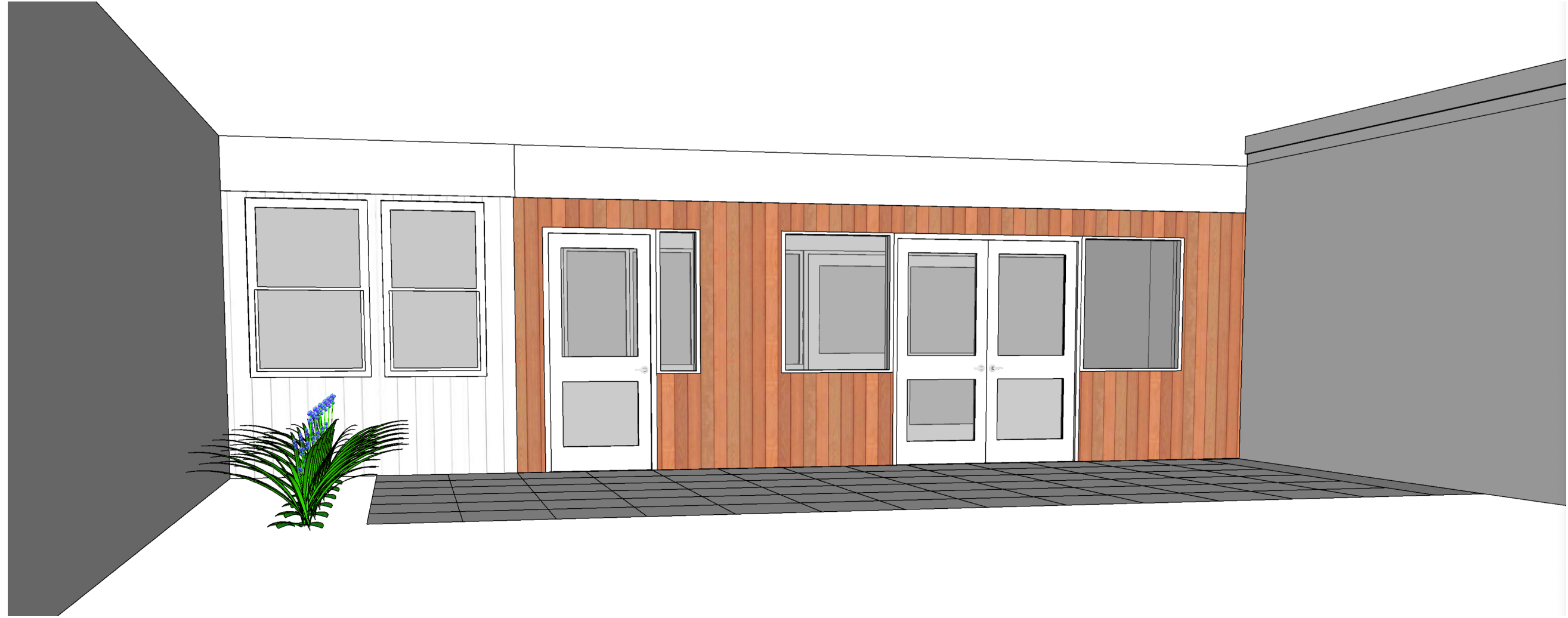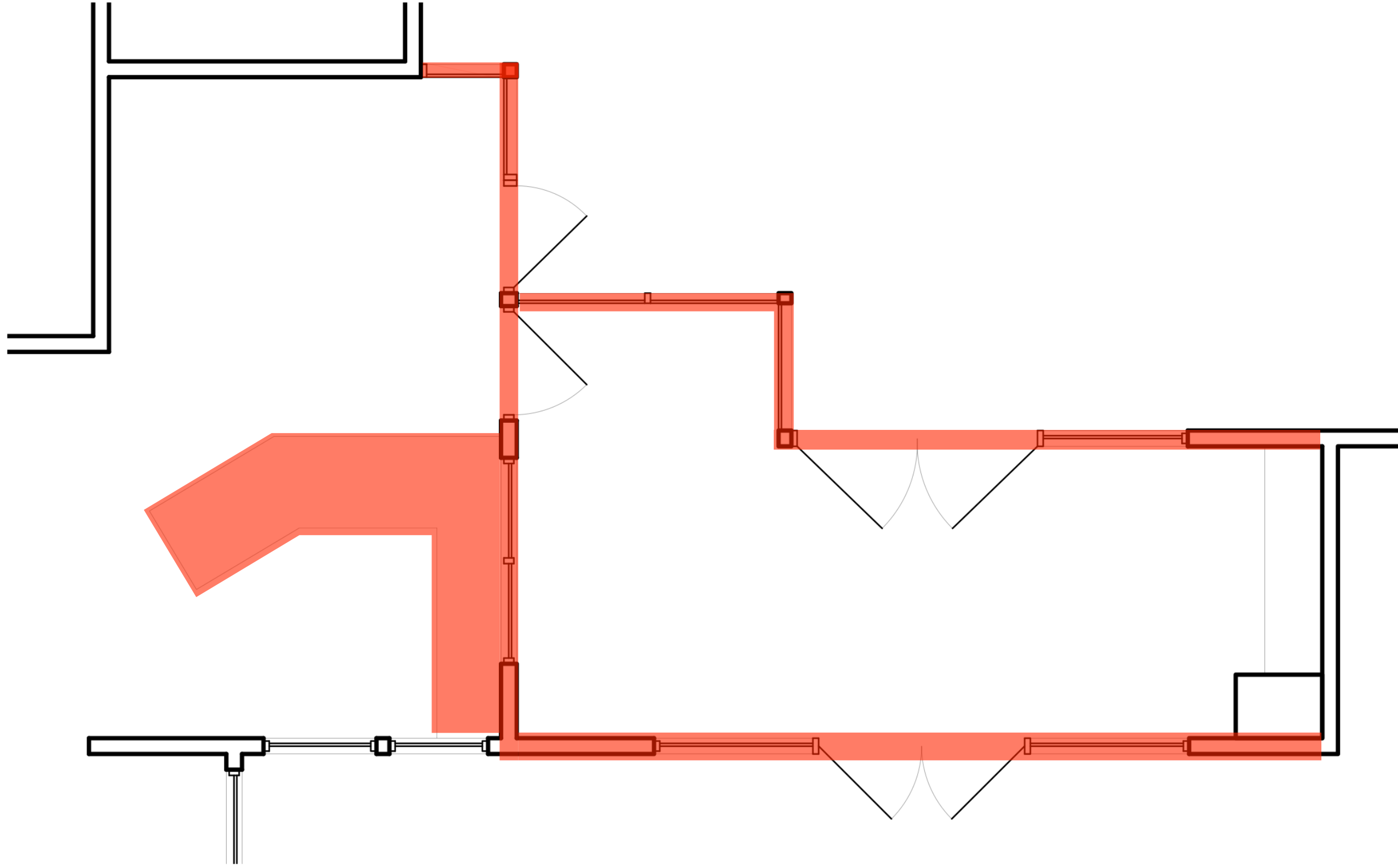
1 - Demo Plan
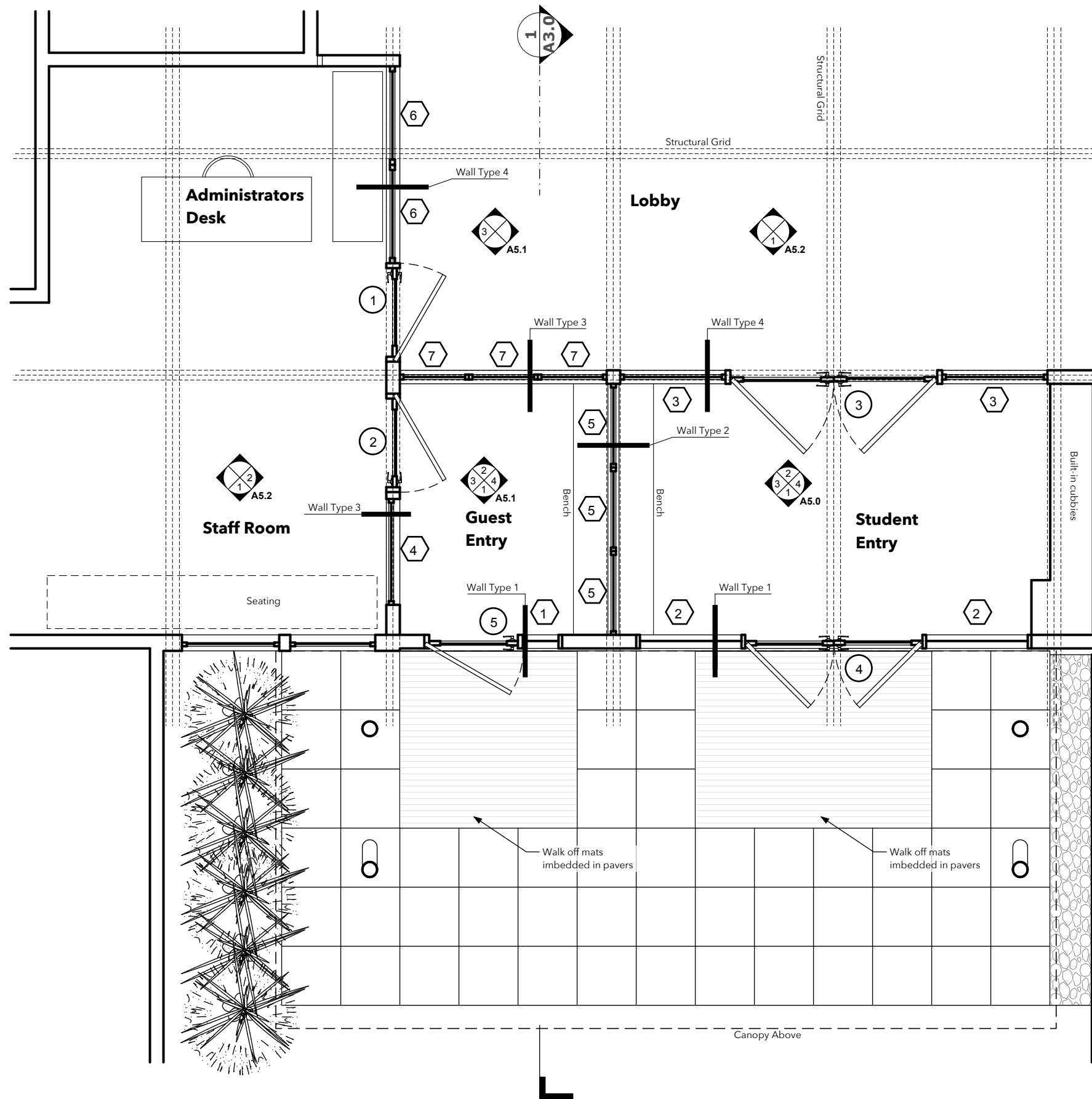NOT TO SCALE

A1.0

Administrators Desk

Lobby

Wall Type 4

Staff Room

Guest Entry

Student Entry

Wall Type 3

Wall Type 4

Wall Type 2

Wall Type 3

Wall Type 1

Wall Type 1

Seating

Bench

Bench

Built-in cubbies

Structural Grid

Structural Grid

A5.1

A5.2

A5.0

A3.0

Walk off mats imbedded in pavers

Walk off mats imbedded in pavers

Canopy Above

Wall Type 1 (Exterior)

- Insulated
- Bullet Resistant
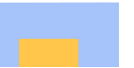
Wall Type 2 (Entry divider with bench)

- Bullet Resistant
- Not Insualted
- Built in Bench

Wall Type 3 (Interior)

- Bullet Resistant
- Not Insulated

Wall Type 4 (Interior)

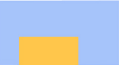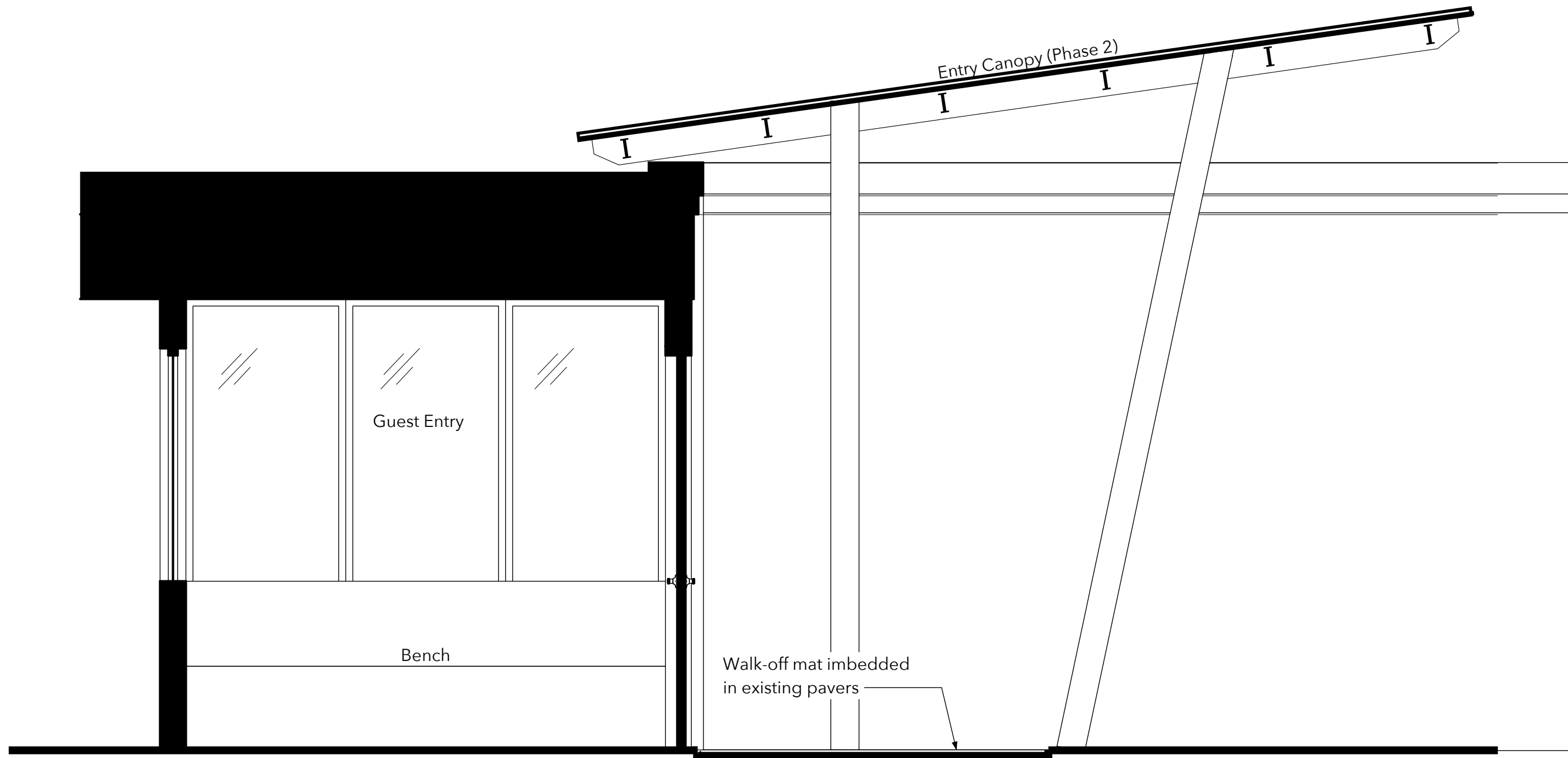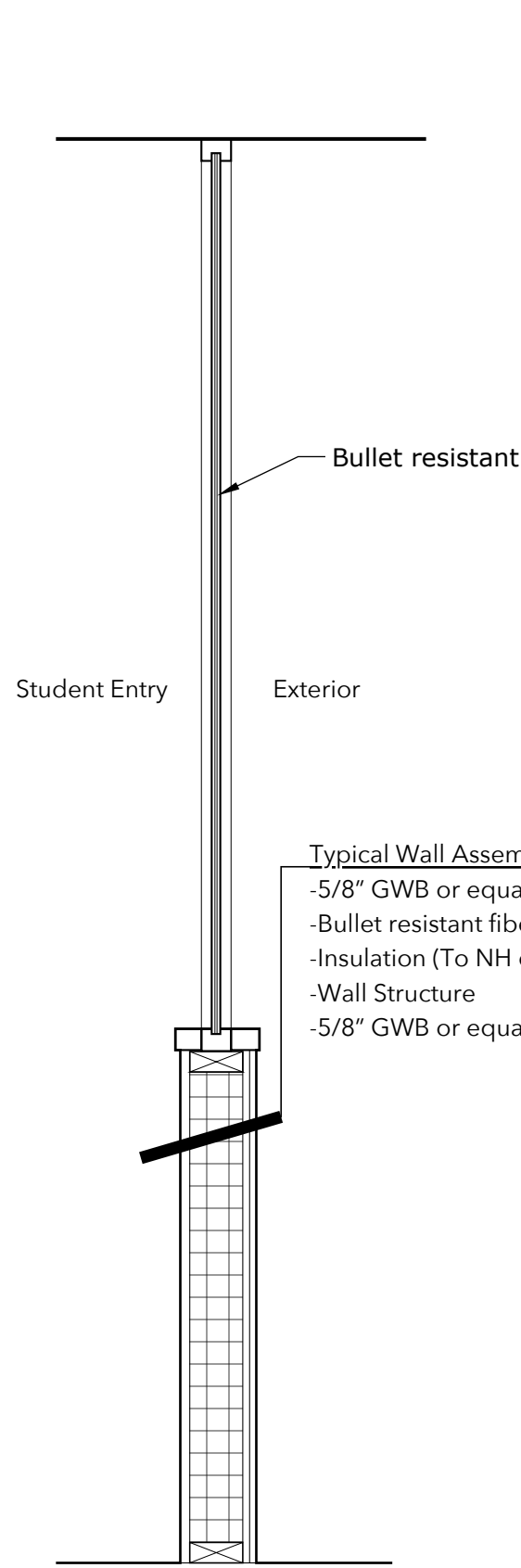- Not Bullet Resistant
- Not Insulated

New Hung Ceiling

New Hung Ceiling

1 - Reflected Ceiling Plan

Patch and repair ceiling as needed

Data

Existing lighting
to remain

Patch and repair ceiling as needed

ADA Strike

Access control monitor
surveillance camera

Existing lighting
to remain

Bench kick

Bench kick

Card reader

ADA Strike

Ducts/grill
TBD

Existing heating unit
To be moved and reused

ADA Strike

Card reader

Access control monitor
surveillance camera

Card reader

ADA Strike

Relocate alarms
this side TBD

2 - Electrical Plan

Existing lighting
to remain

1 -Exterior Elevation Of Entry

VISITORS

STUDENTS

2 - Exterior Perspective W/ Proposed Canopy

Entry Canopy (Phase 2)

Guest Entry

Bench

Walk-off mat imbedded
in existing pavers

1 - Section
1/2"=1'-0"

Steel beam in ceiling above

Bullet resistant glass

Bullet resistant glass

Bullet resistant glass

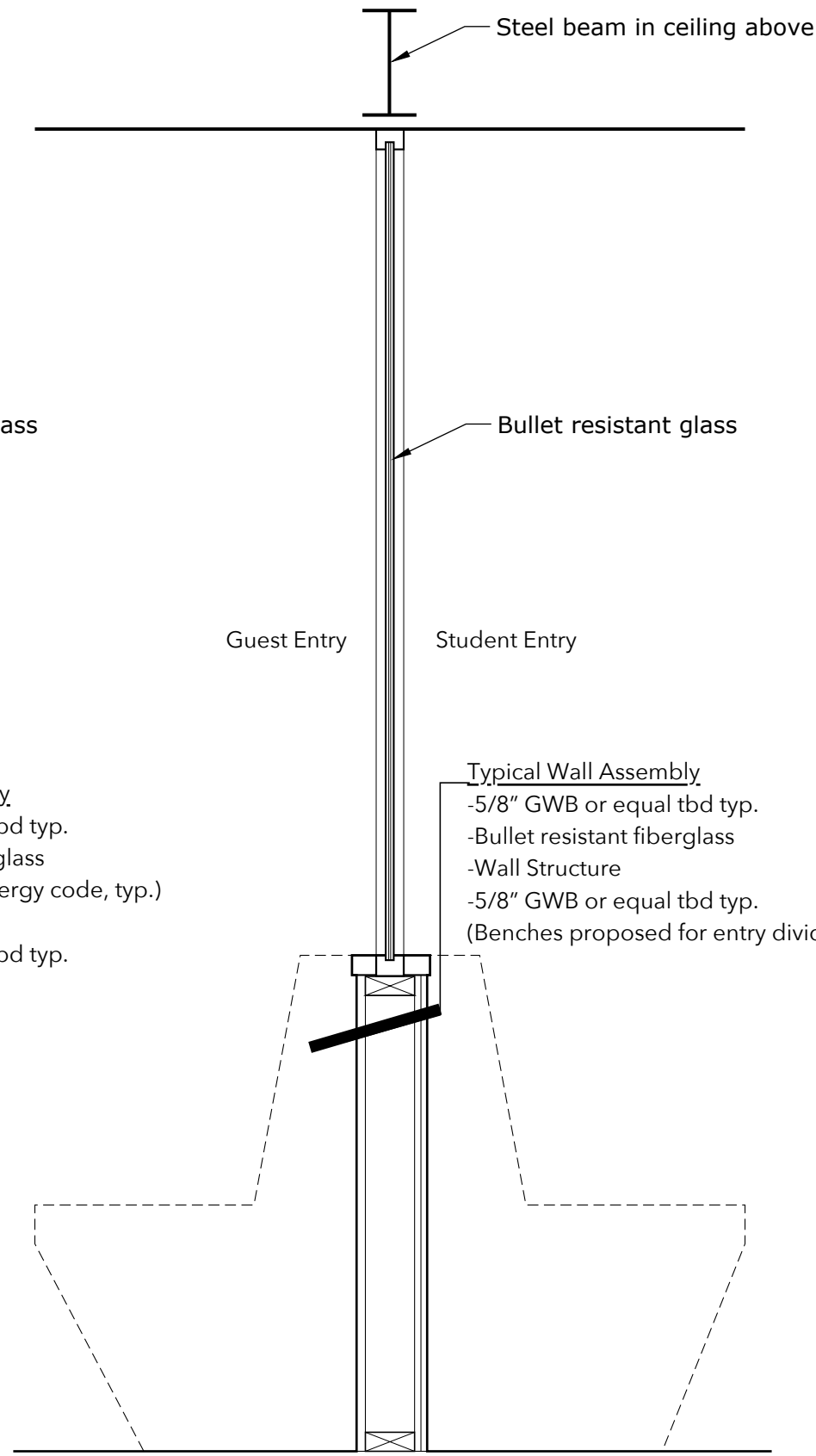Student Entry   Exterior

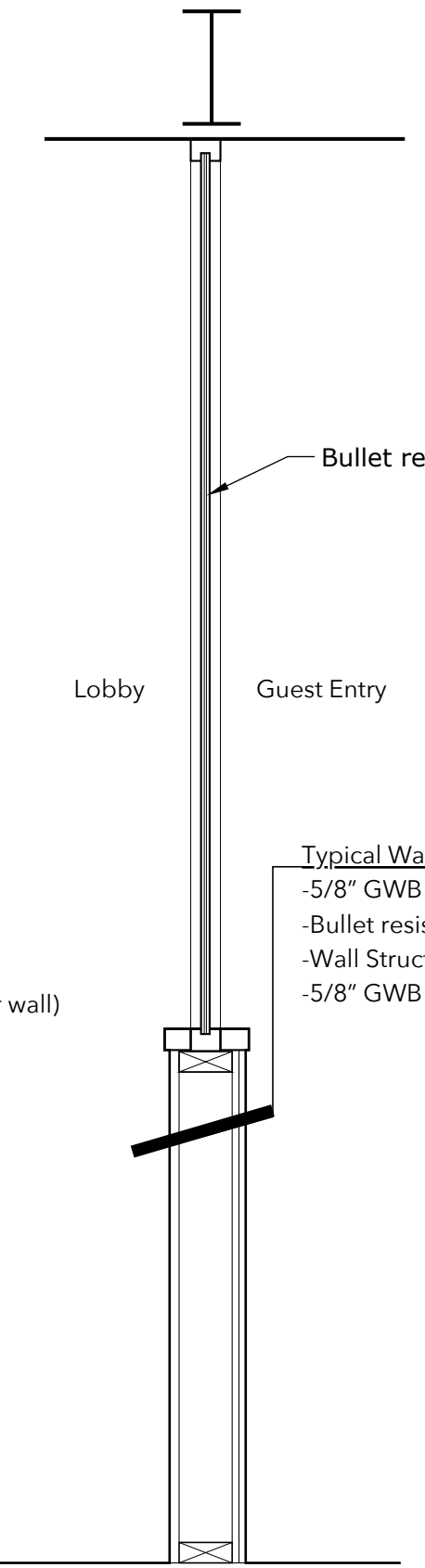Guest Entry   Student Entry

Lobby   Guest Entry

Admin.   Lobby

Typical Wall Assembly
-5/8" GWB or equal tbd typ.
-Bullet resistant fiberglass
-Insulation (To NH energy code, typ.)
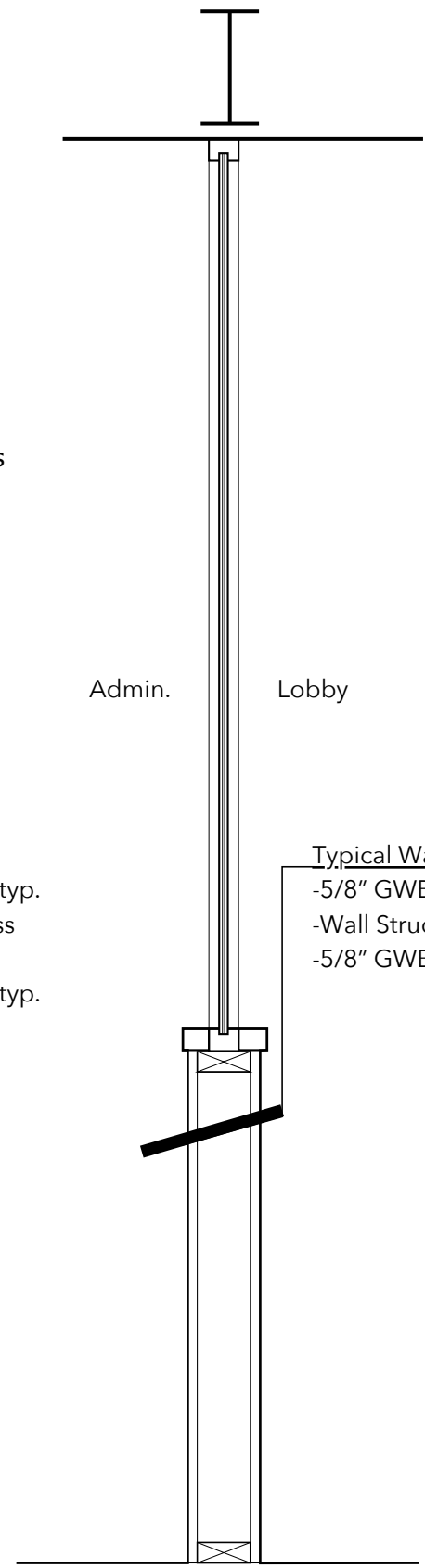-Wall Structure
-5/8" GWB or equal tbd typ.

Typical Wall Assembly
-5/8" GWB or equal tbd typ.
-Bullet resistant fiberglass
-Wall Structure
-5/8" GWB or equal tbd typ.
(Benches proposed for entry divider wall)

Typical Wall Assembly
-5/8" GWB or equal tbd typ.
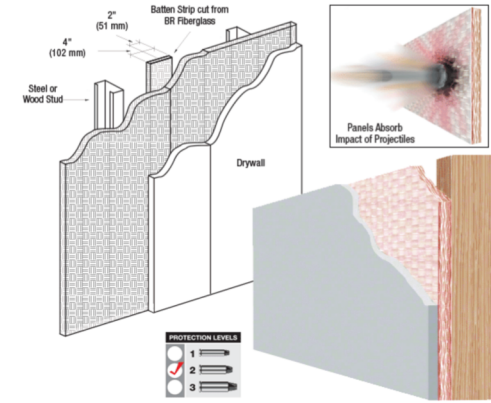-Bullet resistant fiberglass
-Wall Structure
-5/8" GWB or equal tbd typ.

Typical Wall Assembly
-5/8" GWB or equal tbd typ.
-Wall Structure
-5/8" GWB or equal tbd typ.

1 - Type 1 Wall Section
1"=1'-0"

2 - Type 2 Wall Section
1"=1'-0"

3 - Type 3 Wall Section
1"=1'-0"

4 - Type 4 Wall Section
1"=1'-0"

UL 752 RATING / WEAPON	AMMUNITION	SHOT
LEVEL 1 9mm Pistol	9mm full metal copper jacket with lead core	3
LEVEL 2 .357 Magnum	.357 Magnum jacketed lead soft point	3
LEVEL 3 .44 Magnum	.44 Magnum lead semi-wadcutter gas checked	3
LEVEL 4 3-.06 Hunting Rifle	.3-.06 caliber rifle lead core soft point	1
LEVEL 5 AK-47 Assualt Rifle	7.62mm rifle lead core full metal copper jacket military ball	1
LEVEL 6 Uzi Submachine Gun	9mm full metal copper jacket with lead core	5
LEVEL 7 M16 Assault Rifle	5.56mm rifle full metal jacket with lead core	5
LEVEL 8 AK-47 Assualt Rifle	7.62mm rifle lead core full metal copper jacket military ball	5

UL752 Bullet Resistant Wall Panel

Our UL 752 bullet resistant wall paneling allows for every building or home to have a safe area. This cost effective, non-intrusive system can be used to create a safe haven in your home, office, school, etc. for everything from an invasion, storage of valuables, to natural disasters.

Performance Advantages

Military grade protection
Durability
Corrosion Resistance
Electrical non-conductivity
Low thermal conductivity
Less than 25% the weight of steel paneling

Material

Nominal Thickness: ½"(UL3)
Nominal Weight: 5.5 lbs per square foot
Size: 4' x 8'
Fiberglass and resin mix to meet or exceed UL 752 standards for bullet resistant wall panels in each of the UL levels.

Pair with our UL 752 Bullet Resistant Batten Strips for seamless bullet protection: Click Here
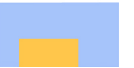
Uses

Commercial, Residential, Government, Military, Banks, Credit Unions, Retail, Check Cashing, Prisons, Courthouses, Dispensaries, Police Stations, Safe Rooms, Schools, Public Safety Facilities, & Stadiums.
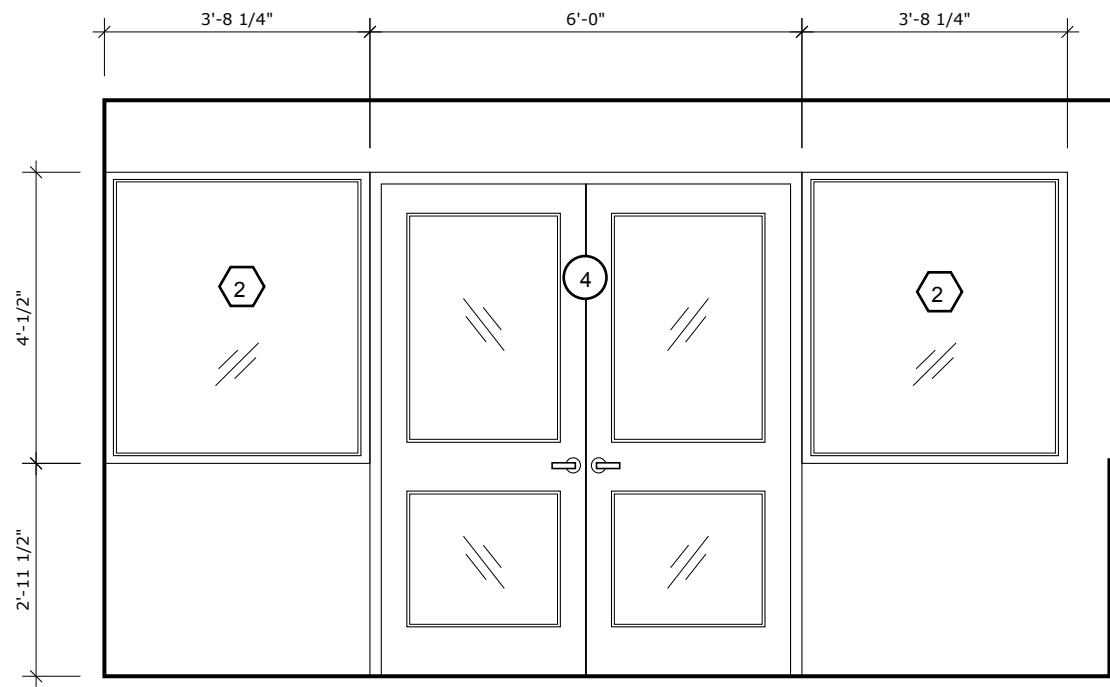
Cut-to-Size

Simple rectangular cuts are an additional $50 per panel. Custom cutting available for interior, radius, and other non-square cutting. Please email to inquire.
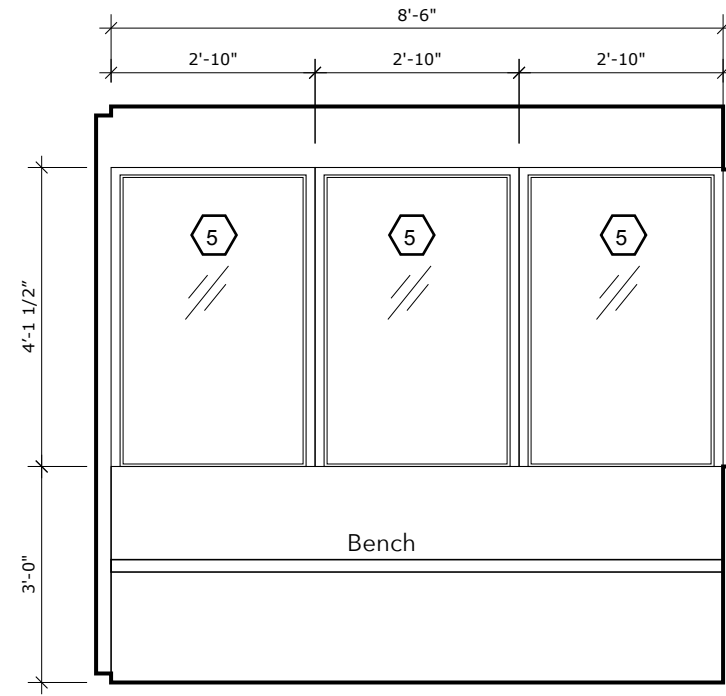
Finish Schedule

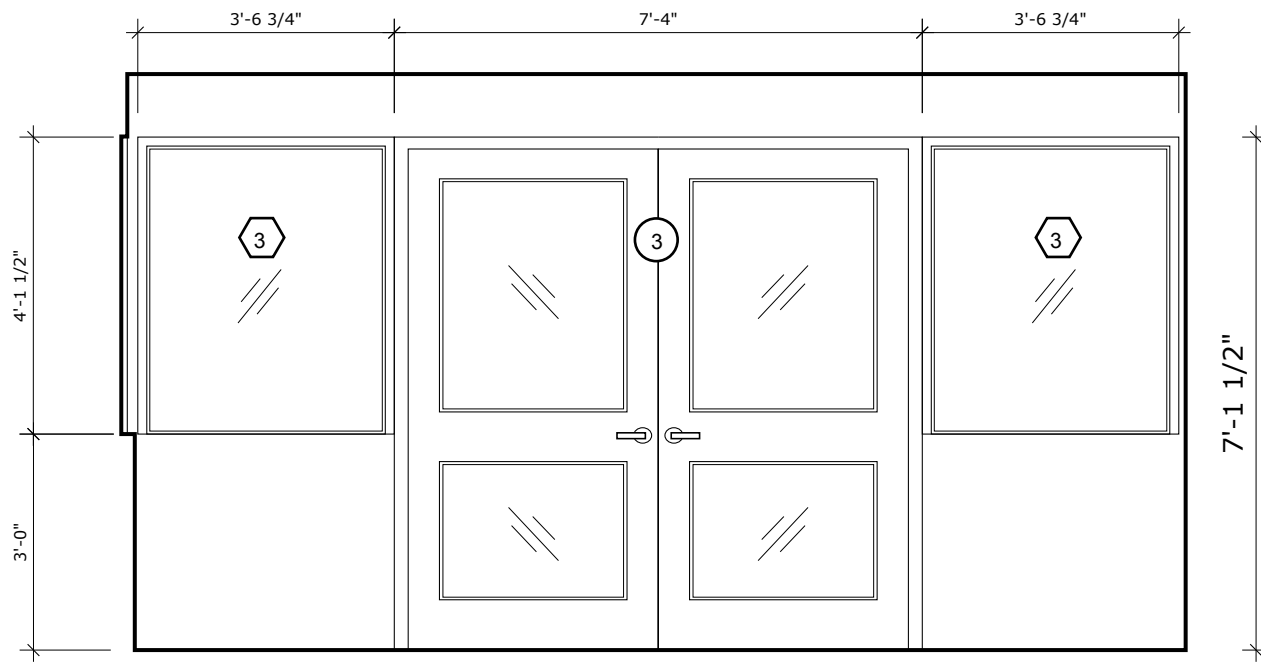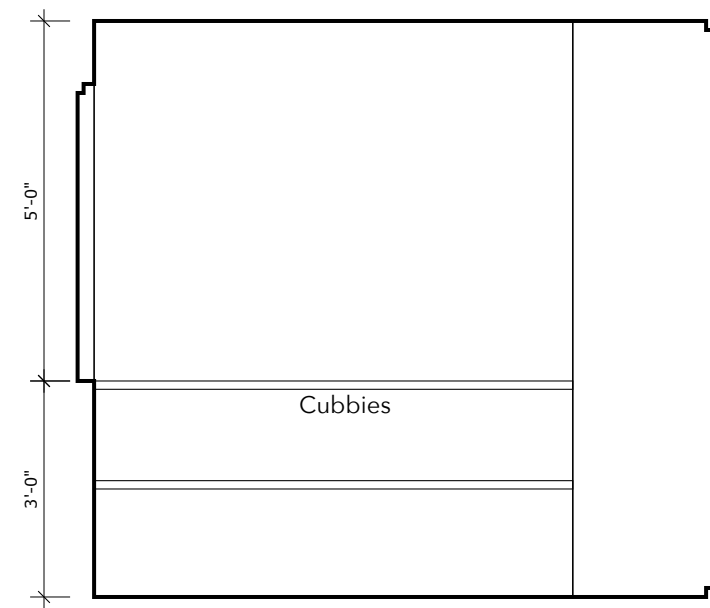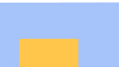|	Student Entry	Guest Entry	Administration	Lobby
Wall 1	Wall type 1, painted drywall	Wall type 1, painted drywall	Existing wall and windows, painted drywall	Wall types 3 and 4, painted drywall
Wall 2	Wall type 4, painted drywall	Wall type 3, painted drywall	Wall type 3, painted drywall	
Wall 3	Wall type 2, wooden benches	Wall type 3, painted drywall		Wall type 4, painted drywall
Wall 4	Cubbies and list and found hanging and storage	Wall type 2, wooden benches		
Floor	Remove walk-off mat and replace with walk off washable rug	Washable Walk-off mat	Patch existing flooring as needed under existing built in desk (to be removed)	
Ceiling	Replace hung ceiling	Replace hung ceiling	Patch and repair existing hung ceiling as necessitated by construction of new walls	Patch and repair existing hung ceiling as necessitated by construction of new walls

WATERSHED STUDIO
architecture, LLC

Bernice A. Ray School SAU 70
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Hanover, NH 03755

PRICING SET
Bullet Resistant Wall Specifications
09.19.2022

A4.1

1 - Student Entry Int. Elevation

3'-8 1/4"   6'-0"   3'-8 1/4"

4'-1/2"

2'-11 1/2"

2

4

2

3 - Student Entry Int. Elevation

8'-6"

2'-10"   2'-10"   2'-10"

4'-1 1/2"

3'-0"

5   5   5

Bench

2 - Student Entry Int. Elevation

3'-6 3/4"   7'-4"   3'-6 3/4"

4'-1 1/2"

3'-0"

7'-1 1/2"

3   3   3

4 - Student Entry Int. Elevation

5'-0"

3'-0"

Cubbies
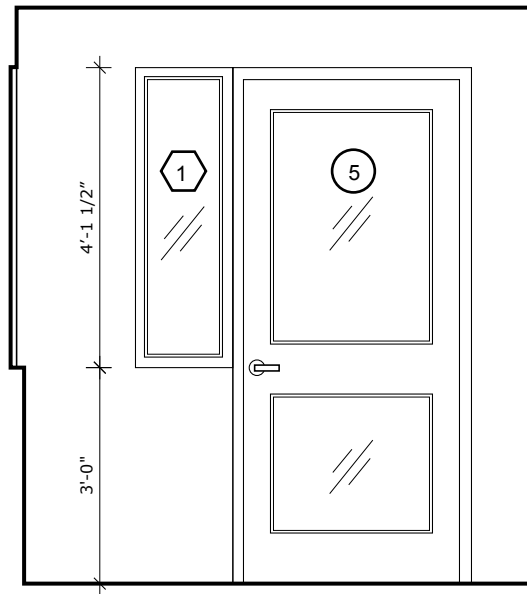
1 - Guest Entry Int. Elevation

3 - Guest Entry Int. Elevation

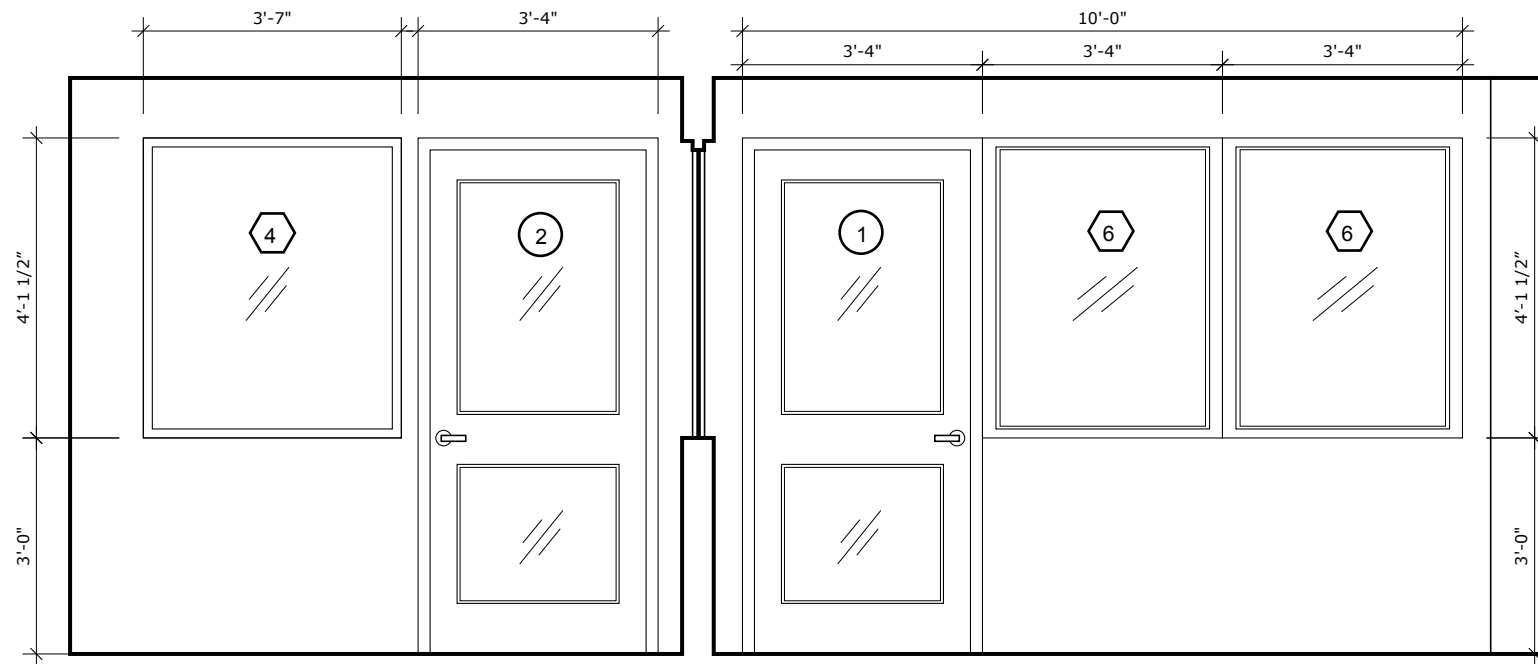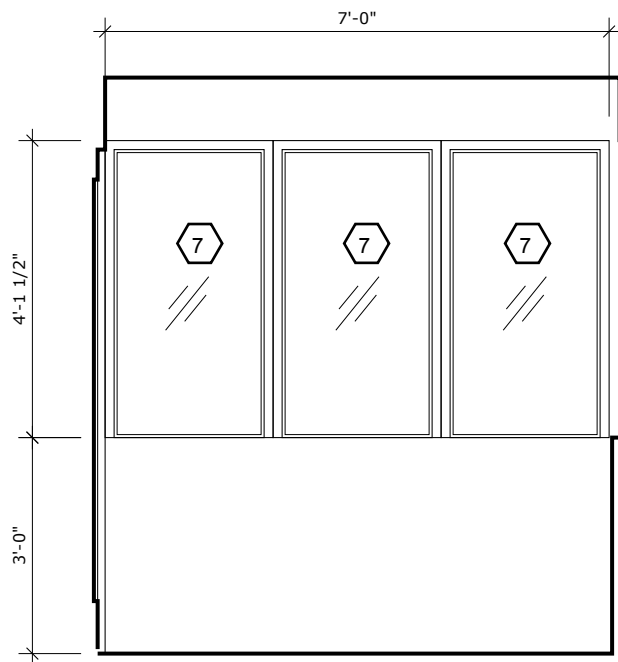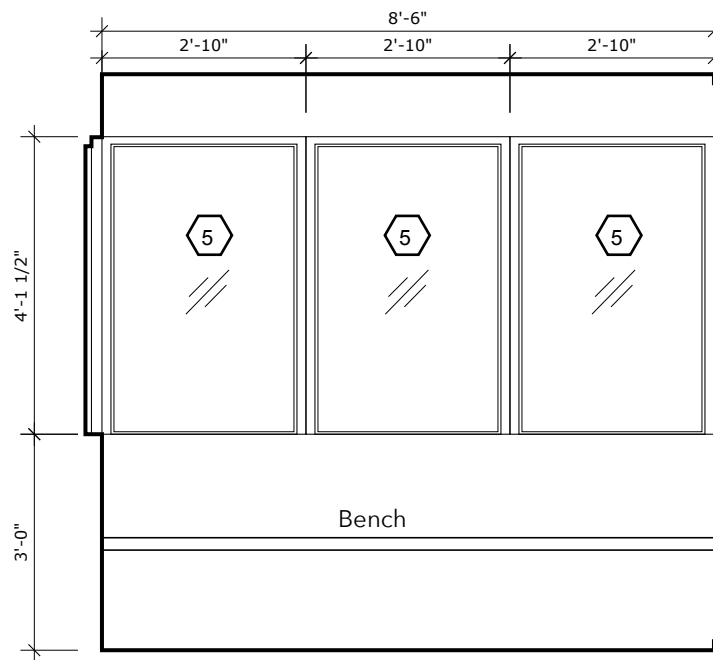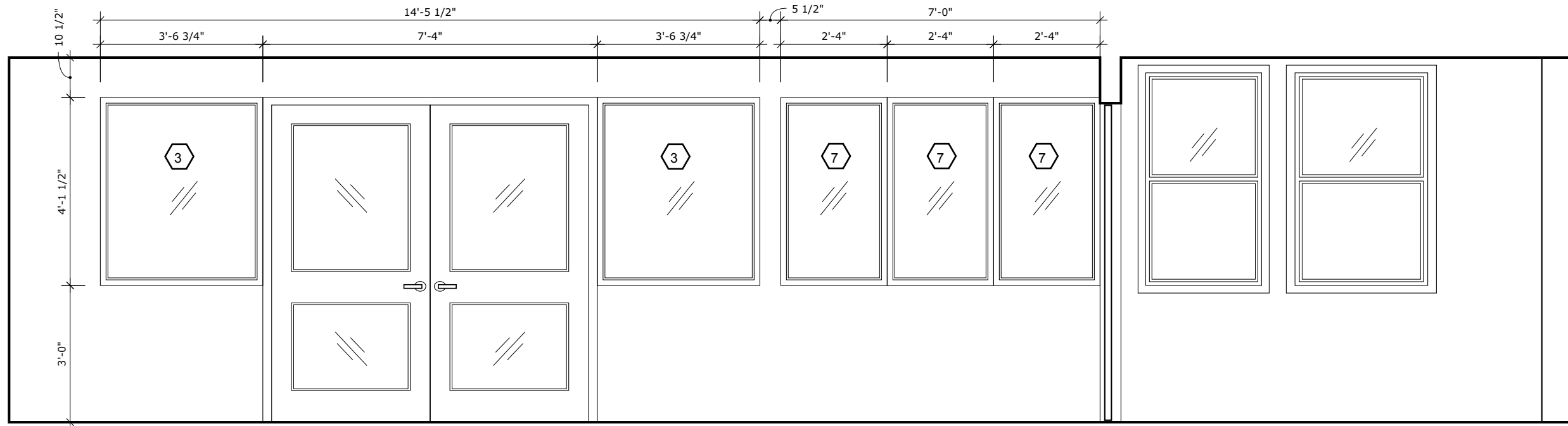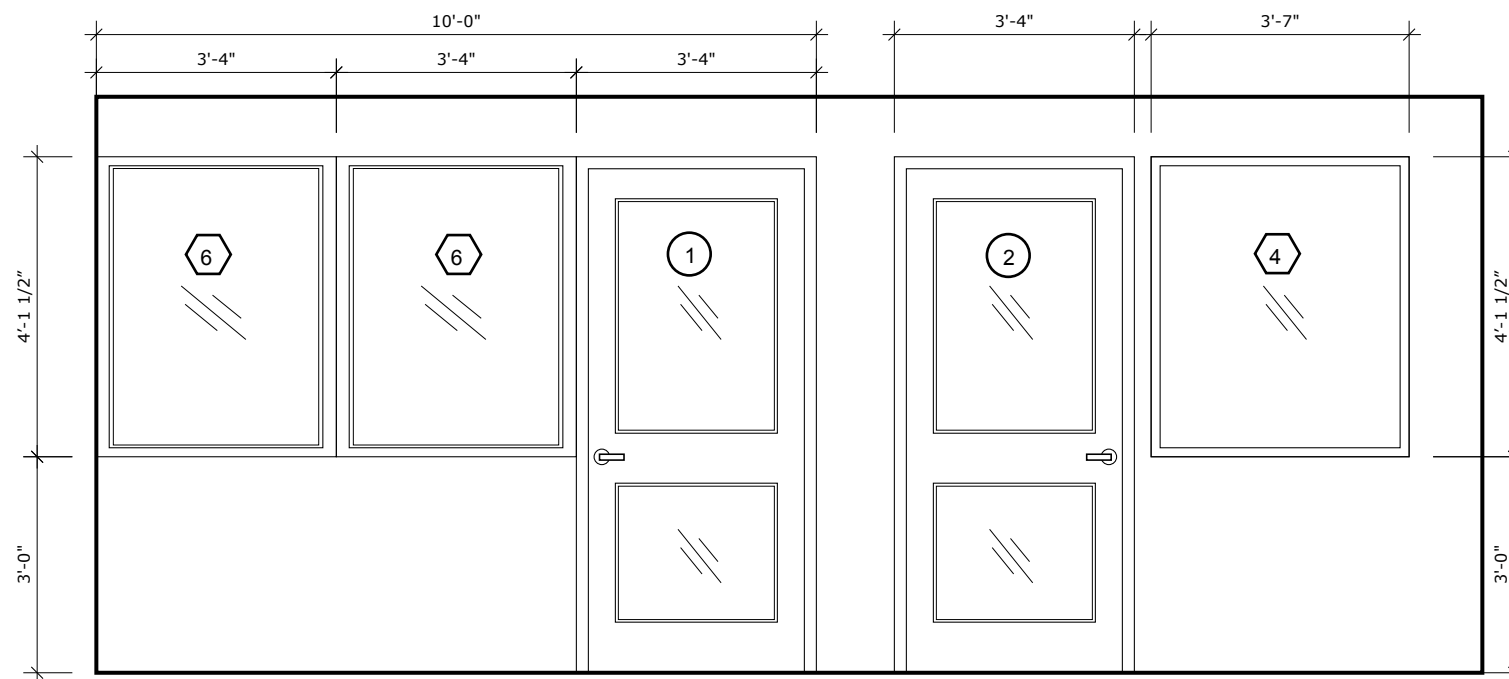Staff Room Entry Elevation

2 - Guest Entry Int. Elevation

4 - Guest Entry Int. Elevation

Bench

A5.1

1 -   Student Entry   Staff Room

2 -   Admin Desk Area   Staff Room Seating Area

A5.2

Window Schedule

1'-4 1/4" | 4'-1/2"

〈1〉

Quantity: 1
Bullet Resistant
Insulated

3'-8 1/4" | 4'-1/2"

〈2〉

Quantity: 2
Bullet Resistant
Insulated

3'-6 3/4" | 4'-1/2"

〈3〉

Quantity: 2

3'-7" | 4'-1/2"

〈4〉

Quantity: 1
Existing?
 Fire Resistant
Bullet Resistant

2'-9 1/4" | 4'-1/2"

〈5〉

Quantity: 3
Bullet Resistant

3'-4" | 4'-1/2"

〈6〉

Quantity: 2
Fire Resistant

2'-4" | 4'-1/2"

〈7〉

Quantity: 3
Bullet Resistant

Door Schedule

3'-4" | 7'-0"

(1)

Quantity: 1
Glass: Reuse
Frame and Door: Reuse

3'-4" | 7'-0"

(2)

Quantity: 1
Glass: New Bullet Resistant Glass
Frame and Door: Reuse
Fire Resistant

7'-4" | 7'-1 1/2"

(3)

Quantity: 1

6'-0" | 7'-0"

(4)

Quantity: 1
Bullet Resistant
Insulated

3'-4" | 7'-1 1/2"

(5)

Quantity: 1
Bullet Resistant
Insulated