



Pierre Soulages
Painting, 19 January 1997



Philip Taaffe
Inner City, 1993

SECTION 00 00 00
CURTAIN WALLS AND GLAZED ASSEMBLIES

PART 1 FAÇADE DESIGN

1.1 PAINTING INSIGHTS

A. *Inner City* (1993) by Philip Taaffe, no. 89

1. This primary painting, while being divided into four distinct vertical bays, clearly distinguishes a distribution of layered, rippling curves ordered into a single composition recalling the swift and simple movements of a curtain blowing softly in the wind.

B. *Painting 19* (1997) by Pierre Soulages, no. 81

1. This secondary painting, explicitly minimalist, achieves a similar, yet singular ripple at a completely different scale and with a particular efficiency to the number of constructed lines. Horizontal lines painted on a black canvas at the bottom and top of the composition implies the ripple in its most minimalist form.

1.2 ARCHITECTURAL TRANSLATION

A. As such, the client's institutional program (lobby, administration spaces, art gallery, restaurant) was divided vertically across the façade's vertical enclosure, defining the building's differing floor levels and structure. This single surface was then manipulated based on the program of each relevant program. The first floor lobby space was pulled out and lifted to provide an overhang for entry. The fourth floor gallery space was poked inward to re-focus the attention of the façade to the interior functions of that space. The third and fourth administration floors were compressed, creating a dense and regular ripple to respond to this 'deactivated' program. The last (fifth) floor which contains the institution's restaurant/event space is twisted and contorted to create a lively, agitated ripple at the façade's most upper level. While each four wall types respond to their interior functions with their particular ripple types, they form a singular composition, allowing the façade to settle into a formal, conceptual whole.

PART 2 SYSTEM DESCRIPTIONS

2.1 WT-1: ALUMINUM AND GLASS UNITIZED CURTAIN WALL SYSTEM WITH SPACERS

A. System consists of low-e coated triple-glazed hot bent annealed insulating glass [GL01, GL02] four-side structural silicone glazed onto unitized frames of thermally broken, custom profile extruded aluminum with custom fabricated aluminum spacers at vertical mullions. Spandrel areas are covered with custom white ceramic frit along with all upper edges of rippling glass as indicated on architectural drawings. Pre-tensioned concrete slab behind insulated glazing unit is covered with tapered 4-inch mineral wool and painted aluminum cap. System is anchored to building structure at top of concrete slab.

Where indicated on Architectural Drawings, system incorporates:

Museum of Spanish Imperialism
Calle Juan Perez Arriete
Algeciras, Andalusia, Spain

- White, dotted ceramic frit all upper glazing edges and spandrel zones to hide floor slabs behind glazing and improving solar performance and energy efficiency;

- Finish of all aluminum exposed to the exterior shall be three-coat metallic PVDF [AL01]. Finish of all aluminum exposed to the interior shall be one coat acrylic resin [AL02]. Where visible, structural silicone, glazing gaskets, and weather seal silicone color to be black;

- Slab cover incorporating coated 1/8-inch anodized aluminum panels [AL02] with grey paint [PT01] as indicated on architectural drawings, minimum 4-inch mineral fiber insulation [INS01], galvanized steel channel aligned with the perimeter fressafing, and galvanized steel air barrier sheet [MTL01];

- Steel reinforcement as required;

- At roof terrace, system consists of cantilevered laminated glass [GL05] moment clamped at the base. System incorporates anchorage, continuous stainless steel clamp, stainless steel handrail cap, drainage grille, shims, fasteners, gaskets, sealants, and masking for a complete installation. All visible stainless steel within this system to be AISI 316, and finish to be no. 6 directional finish [SS01]. Interlayer of laminated glass to be ionoplast, visible edge to be polished. Where visible, glazing accessories and gaskets color to be black.

2.2 WT-2: ALUMINUM AND GLASS UNITIZED CURTAIN WALL SYSTEM WITH BENT MULLIONS

A. System consists of low-e coated triple-glazed hot bent annealed insulating glass [GL03, GL04] four-side structural silicone glazed onto unitized frames of thermally broken, custom profile extruded aluminum bent to shapes as indicated on architectural drawings. Spandrel areas are covered with custom white ceramic frit along with all upper edges of rippling glass as indicated on architectural drawings. Pre-tensioned concrete slab behind insulated glazing unit is covered with tapered 4-inch mineral wool and painted aluminum cap. System is anchored to building structure at top of concrete slab.

Where indicated on Architectural Drawings, system incorporates:

- White, dotted ceramic frit all upper glazing edges and spandrel zones to hide floor slabs behind glazing and improve solar performance and energy efficiency;

- Finish of all aluminum exposed to the exterior shall be three-coat metallic PVDF [AL01]. Finish of all aluminum exposed to the interior shall be one coat acrylic resin [AL02]. Where visible, structural silicone, glazing gaskets, and weather seal silicone color to be black;

- Slab cover incorporating coated 1/8-inch anodized aluminum panels [AL02] with grey paint [PT01] as indicated on architectural drawings, minimum 4-inch mineral fiber insulation [INS01], galvanized steel channel aligned with the perimeter fressafing, and galvanized steel air barrier sheet [MTL01];

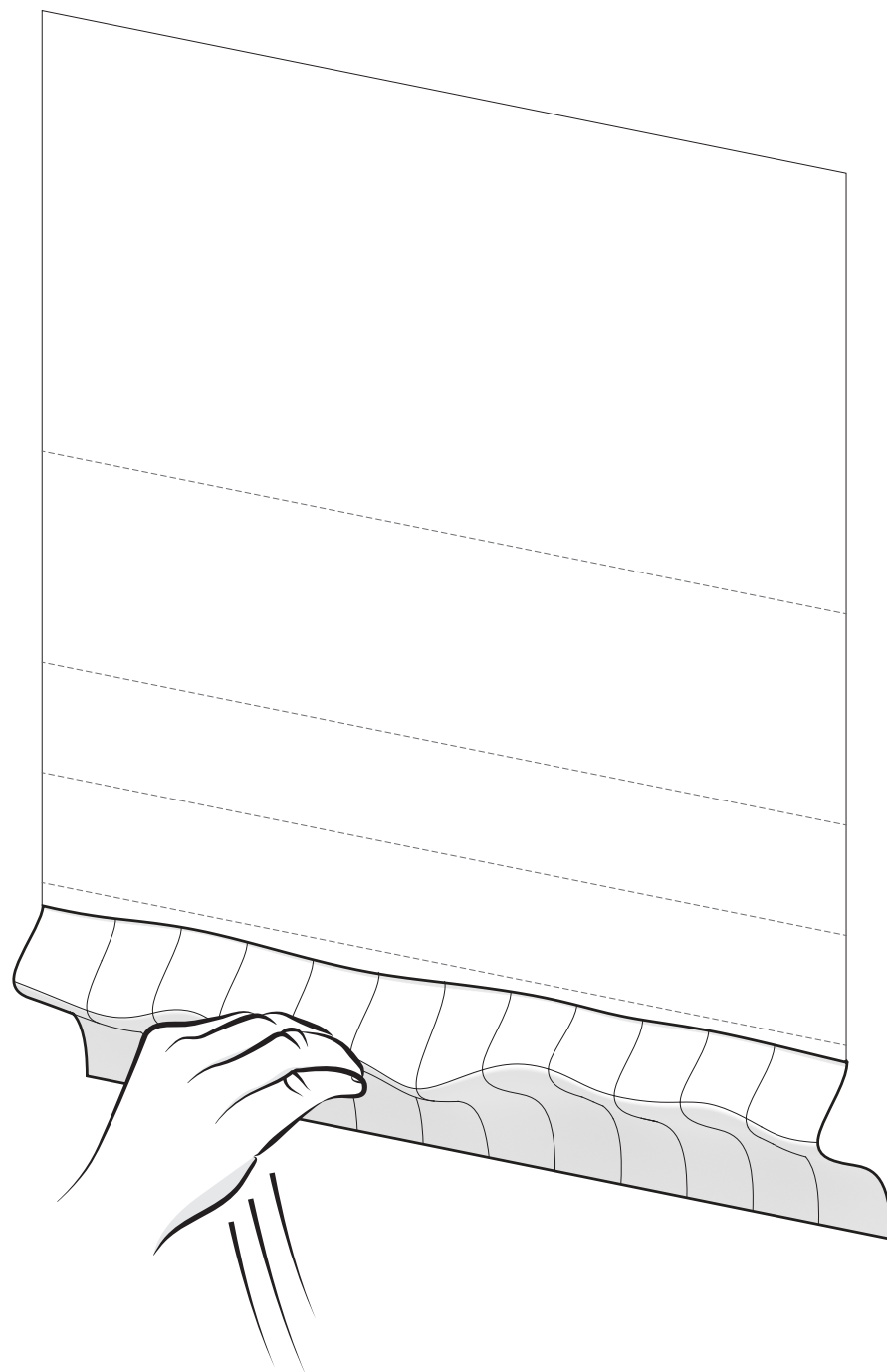
- Steel reinforcement as required;

Museum of Spanish Imperialism
Calle Juan Perez Arriete
Algeciras, Andalusia, Spain



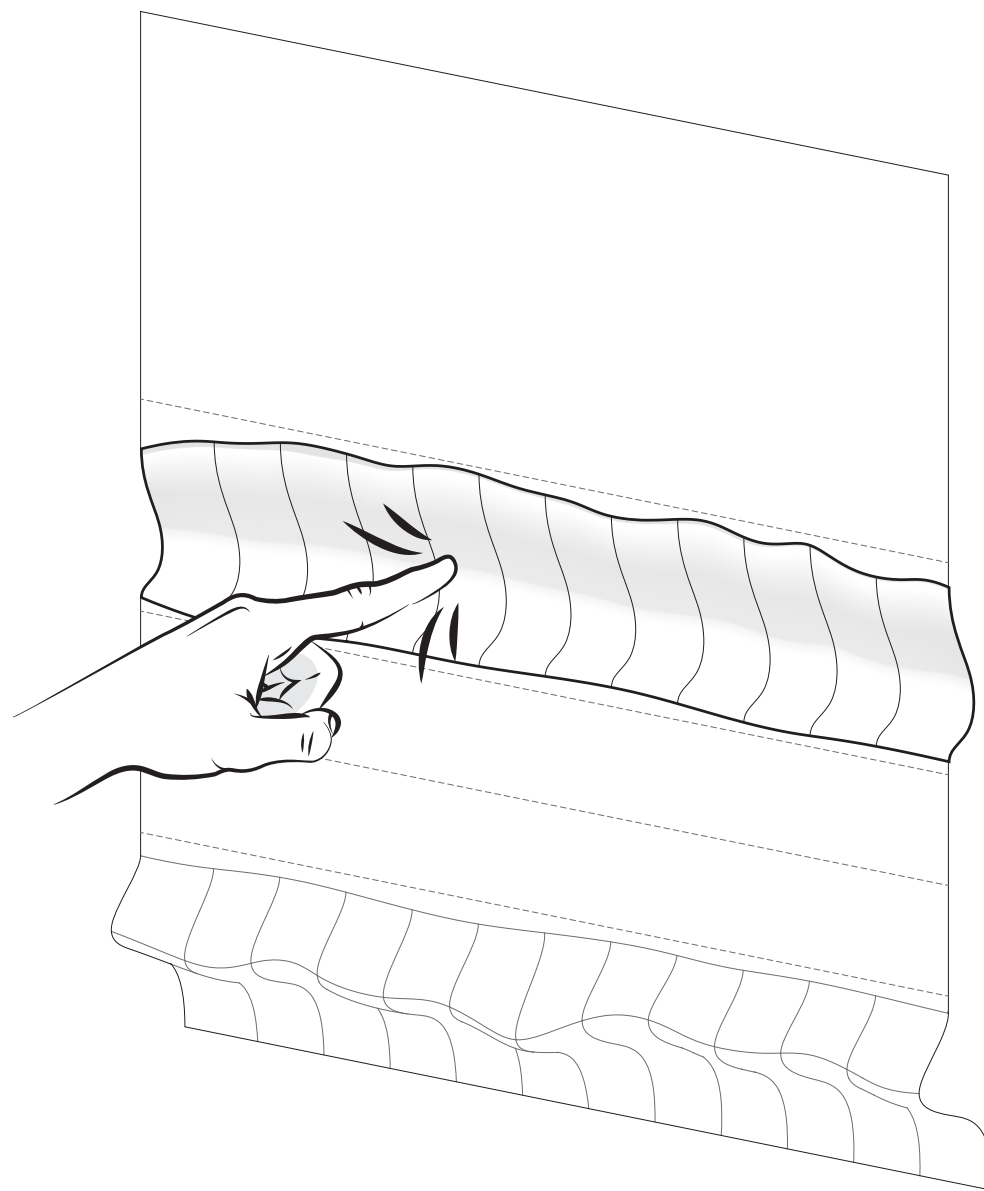
01

divide + program



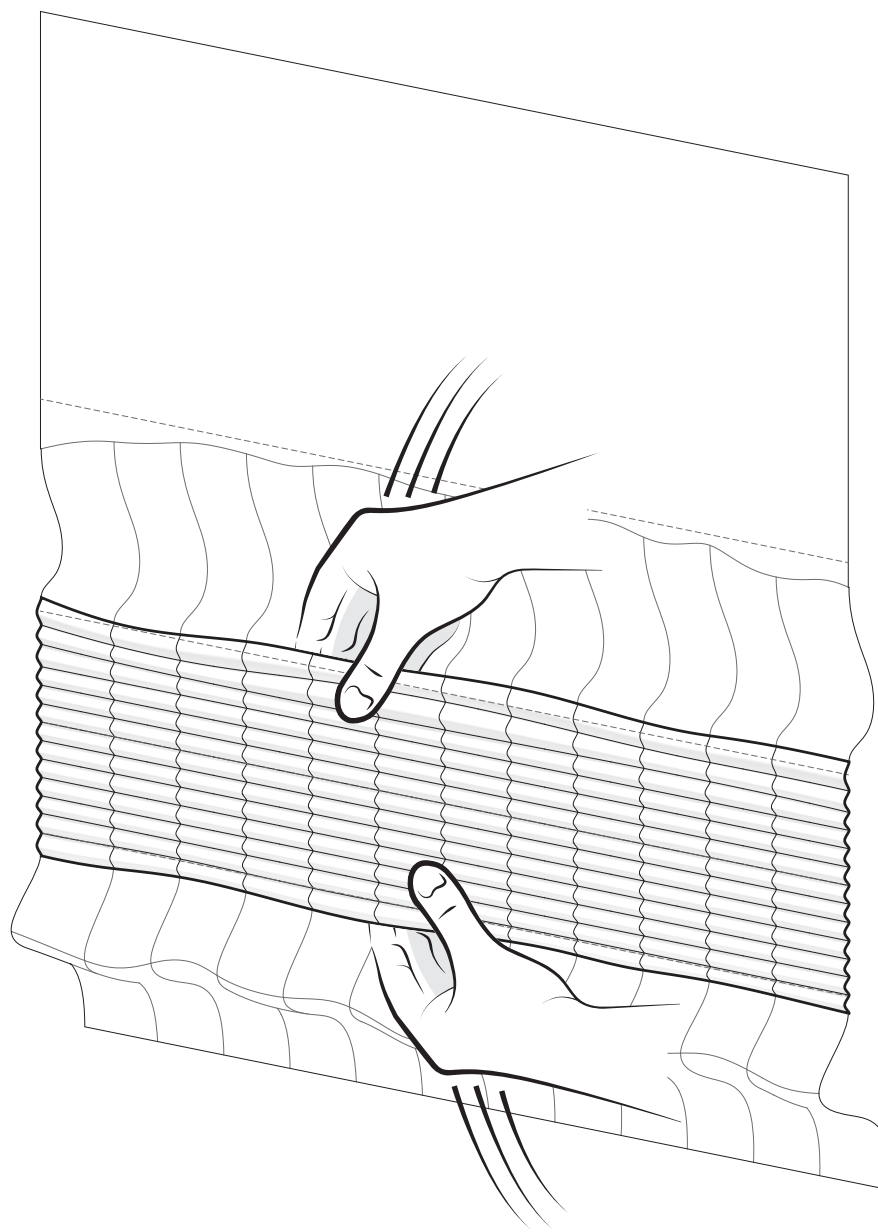
02

lift



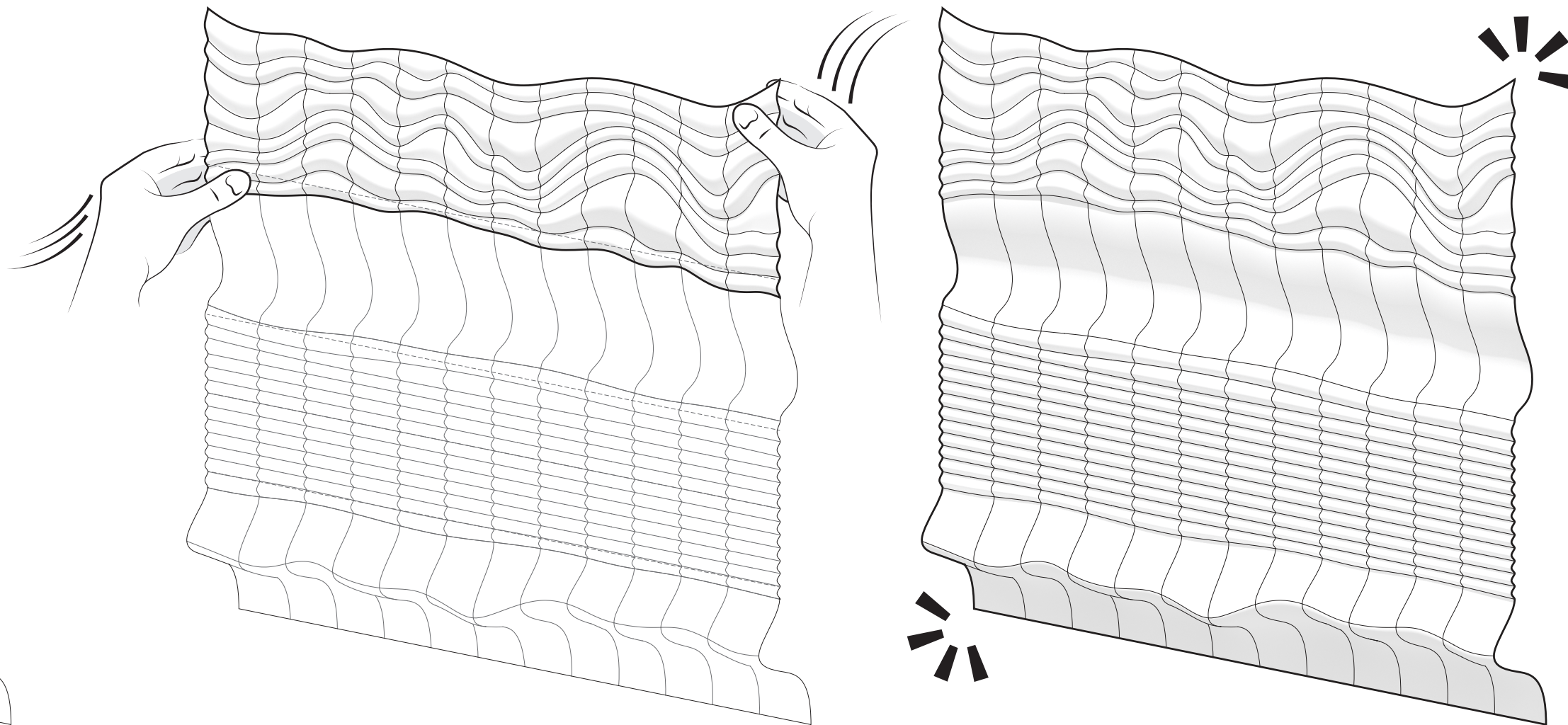
03

poke



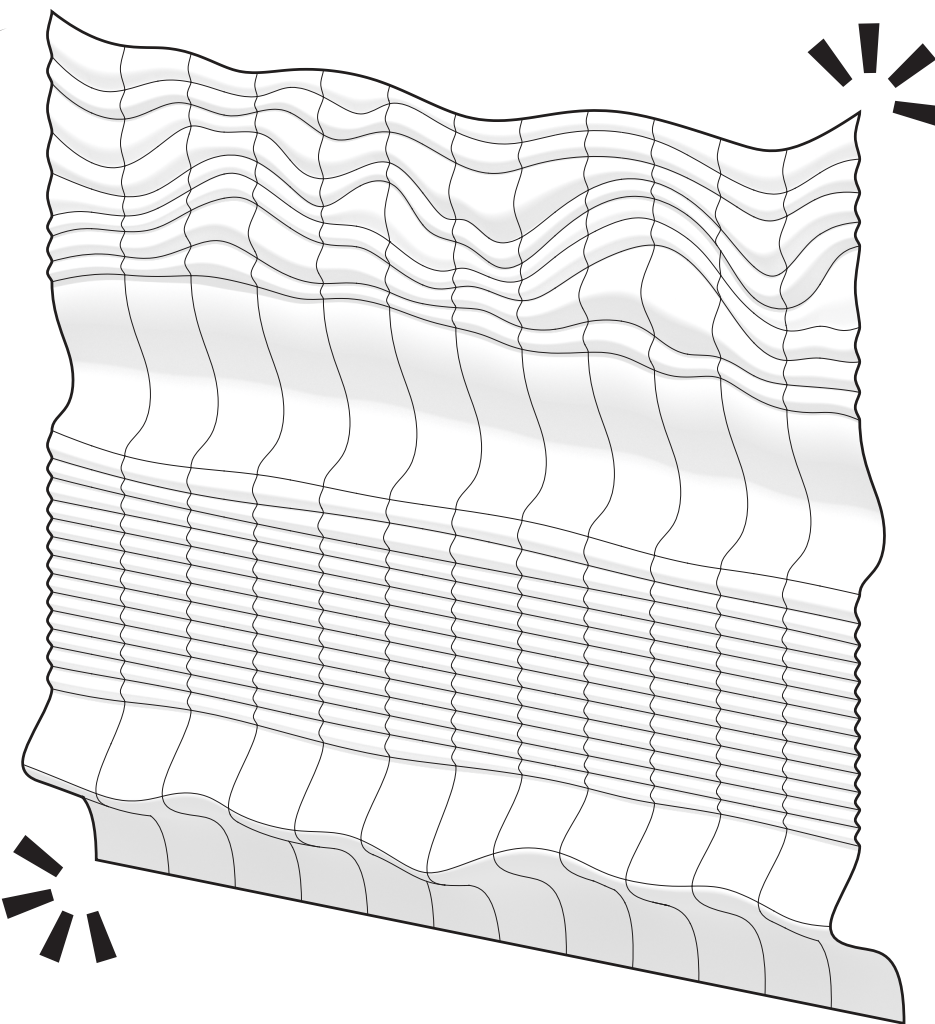
04

compress



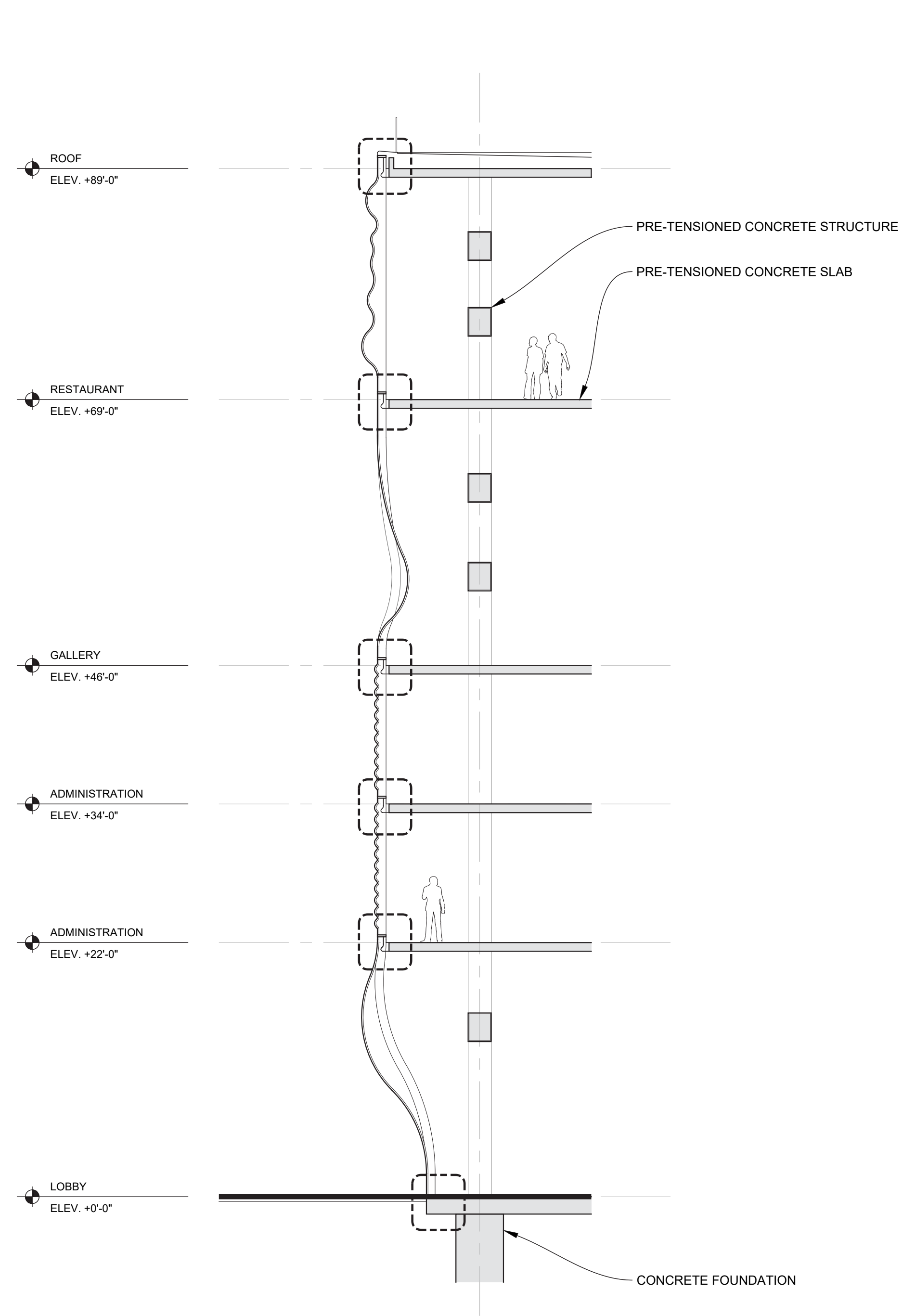
05

twist

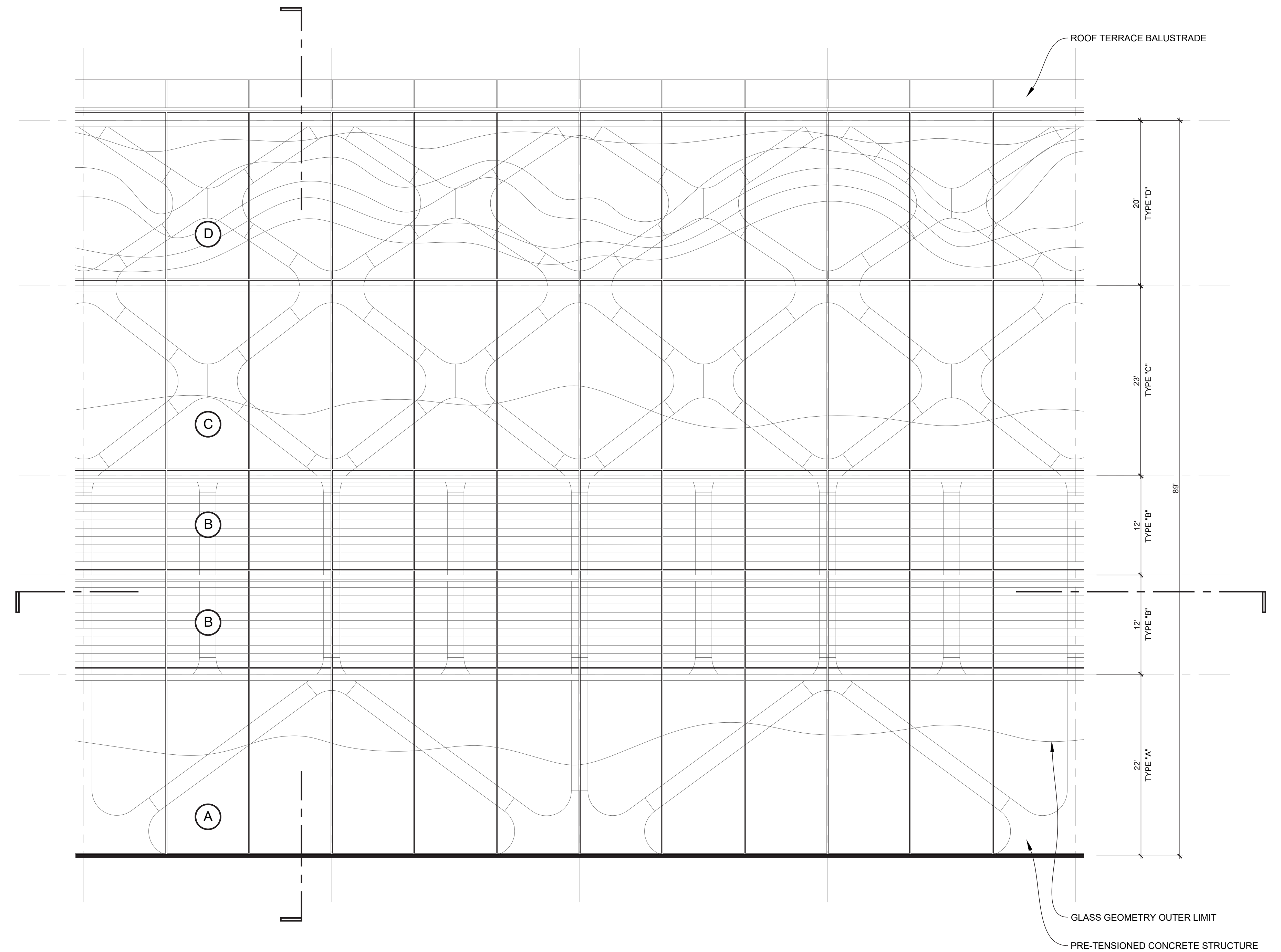


06

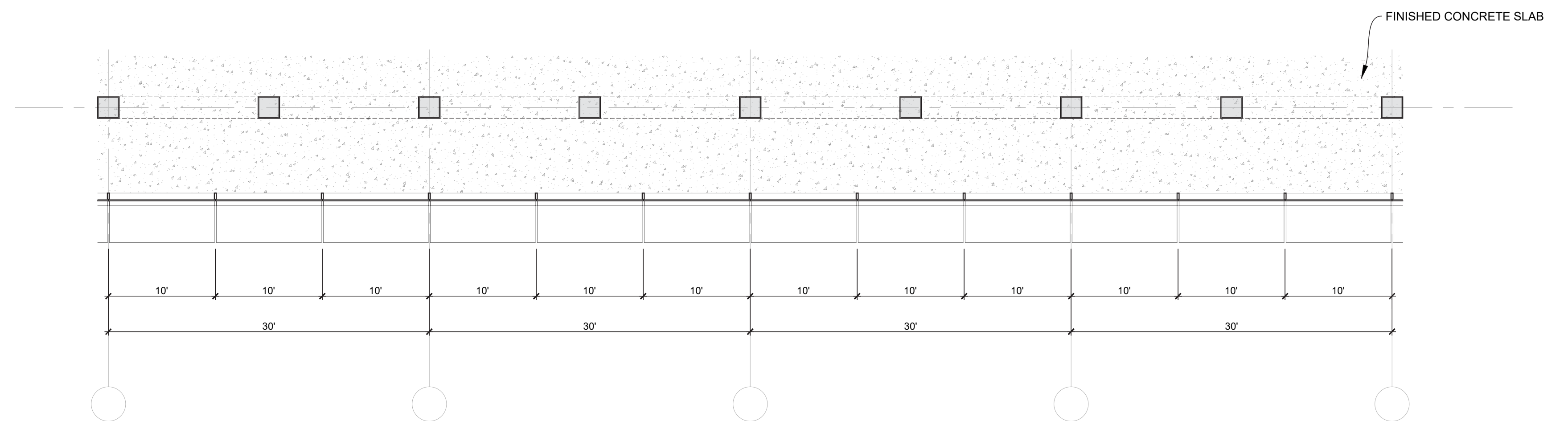
settle



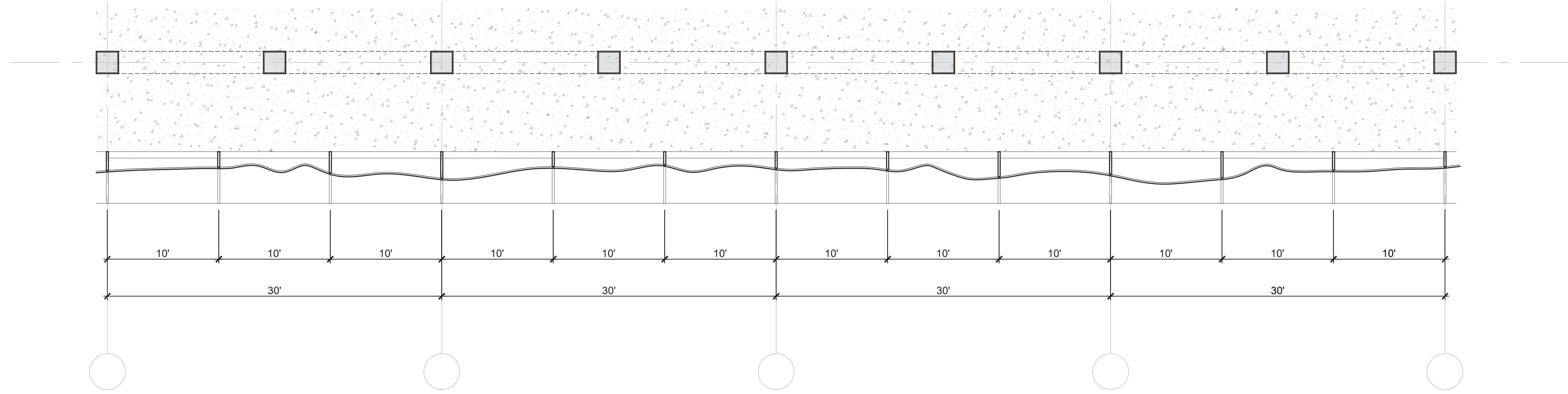
BUILDING SECTION 3
SCALE: 1/8" = 1'-0"



BUILDING ELEVATION 2
SCALE: 1/8" = 1'-0"

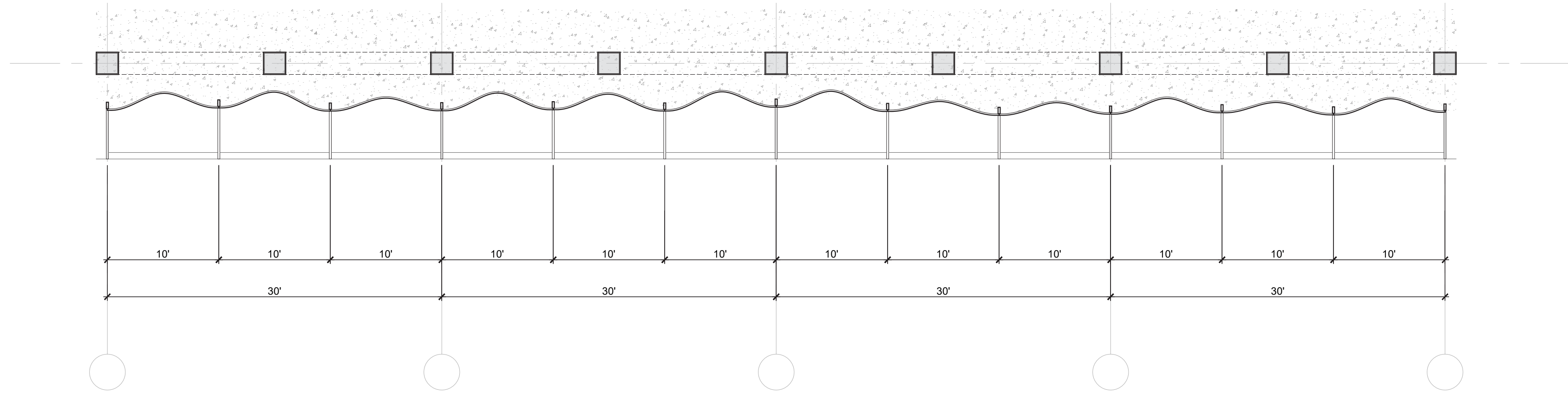


BUILDING PLAN 1
SCALE: 1/8" = 1'-0"



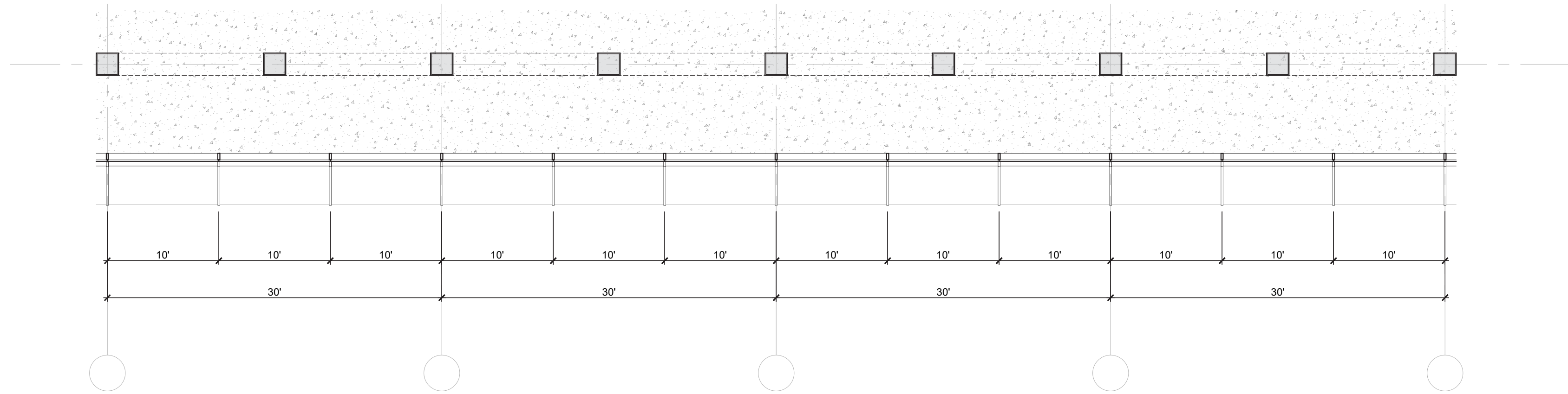
TYPE "D" PLAN
SCALE: 1/8" = 1'-0"

5



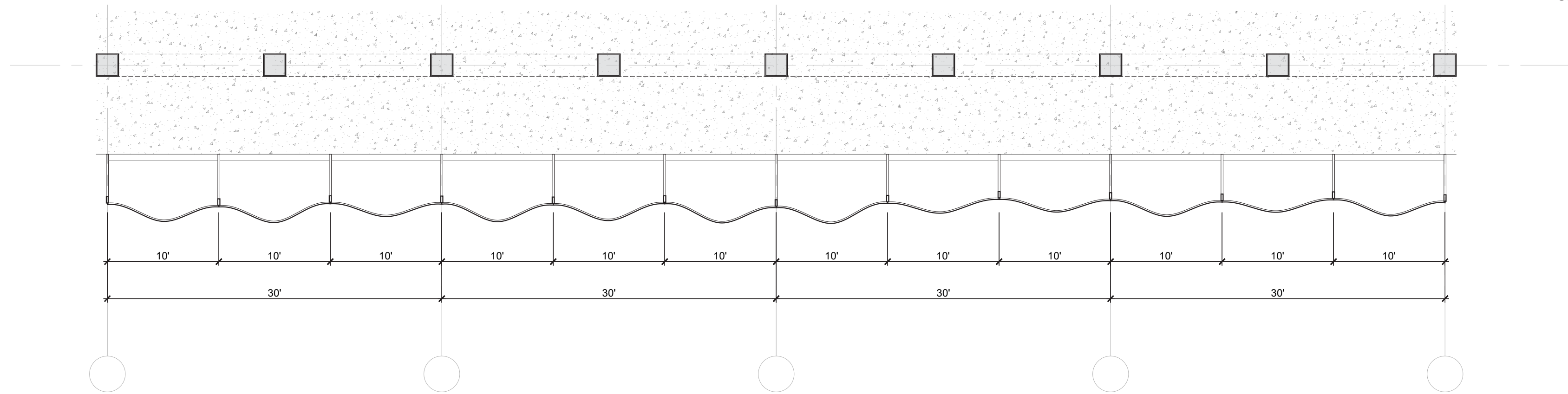
TYPE "C" PLAN
SCALE: 1/8" = 1'-0"

4



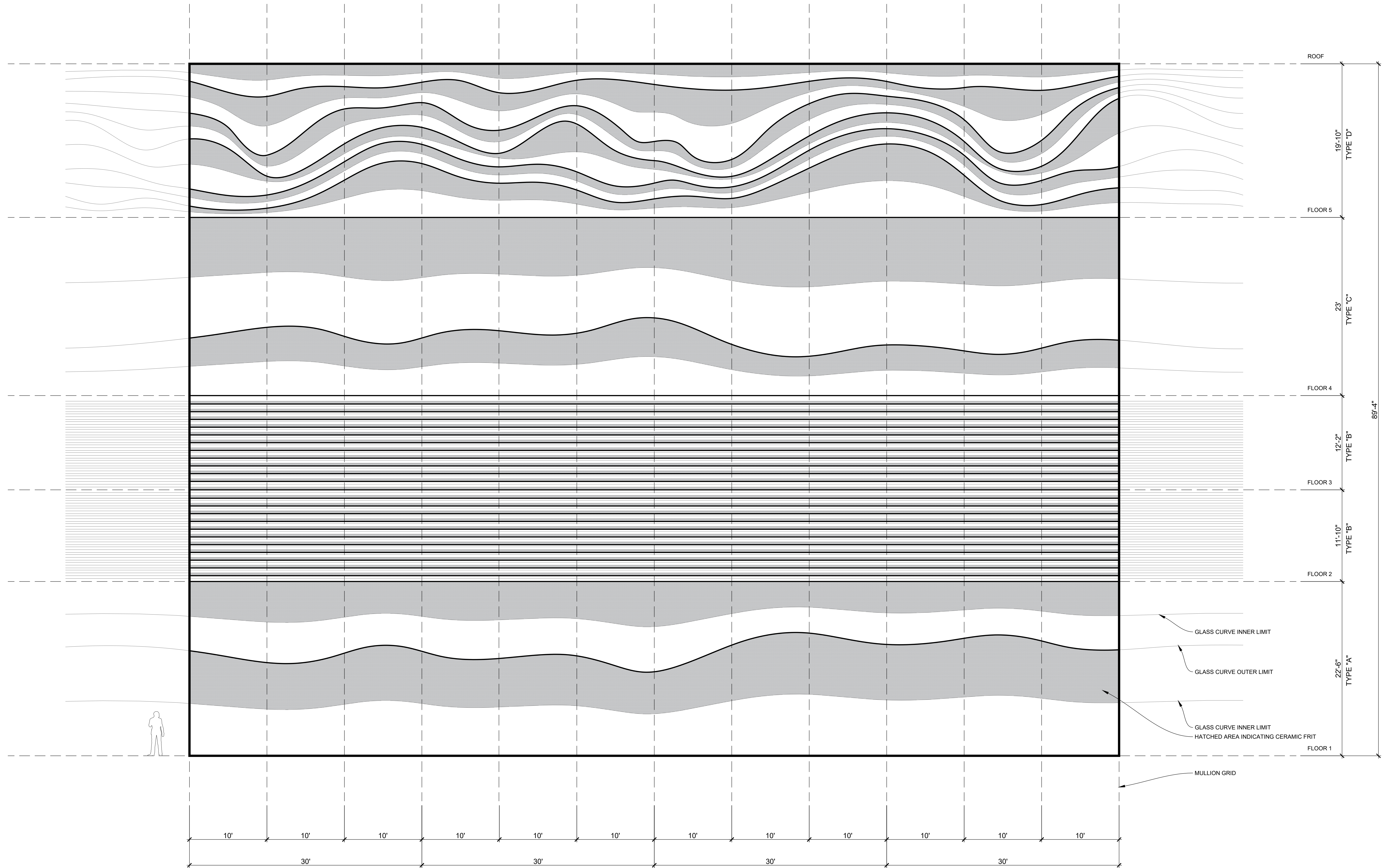
TYPE "B" PLAN
SCALE: 1/8" = 1'-0"

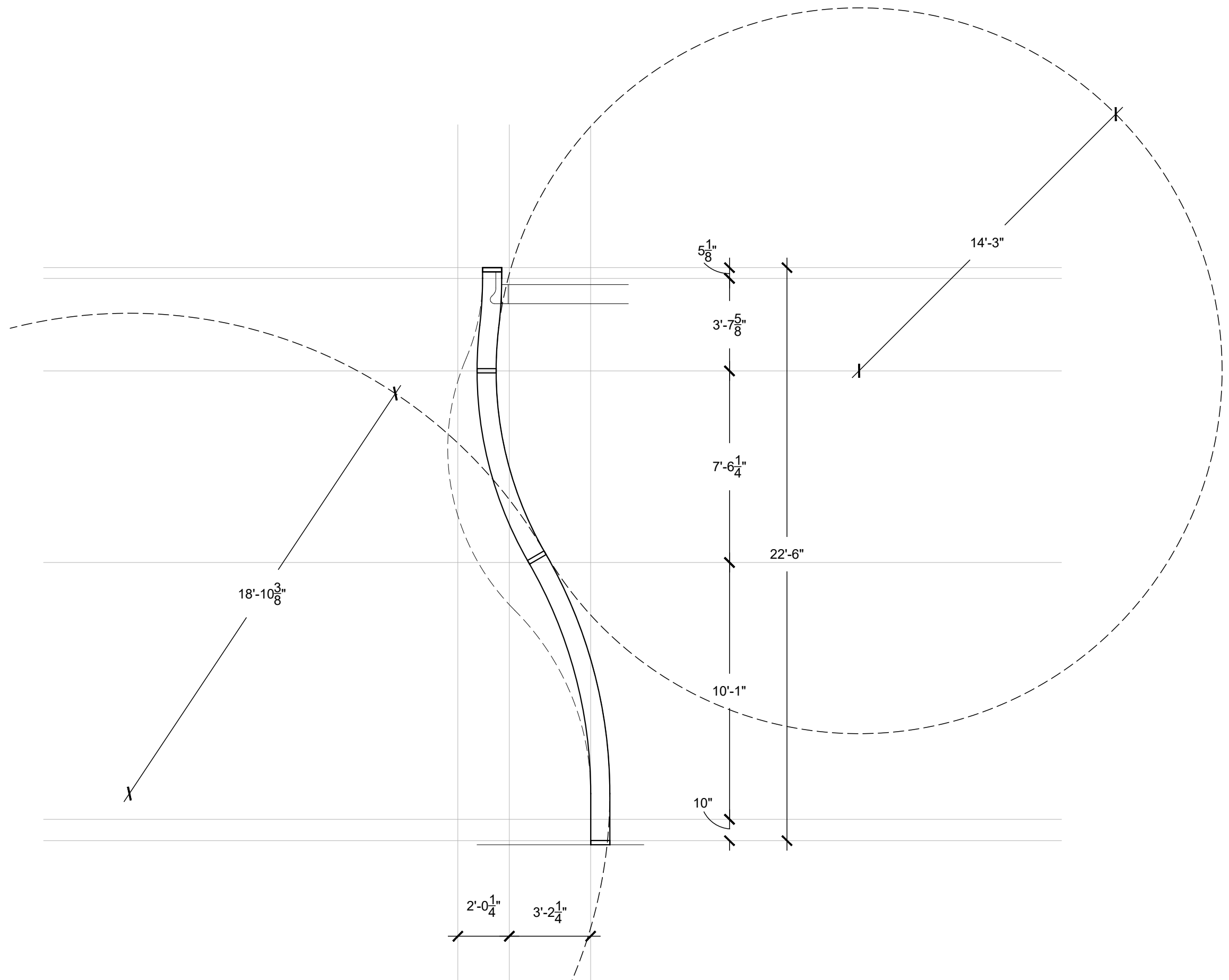
3



TYPE "A" PLAN
SCALE: 1/8" = 1'-0"

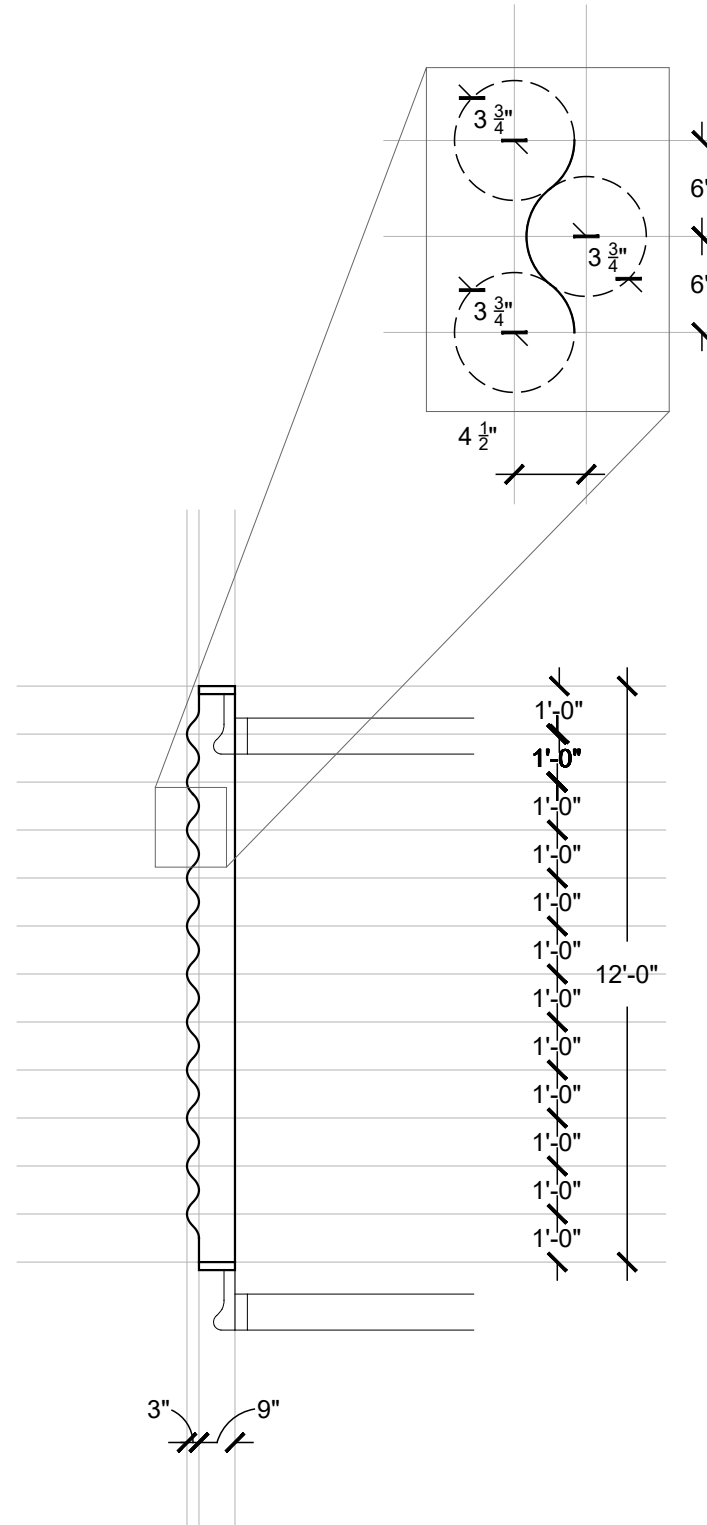
2





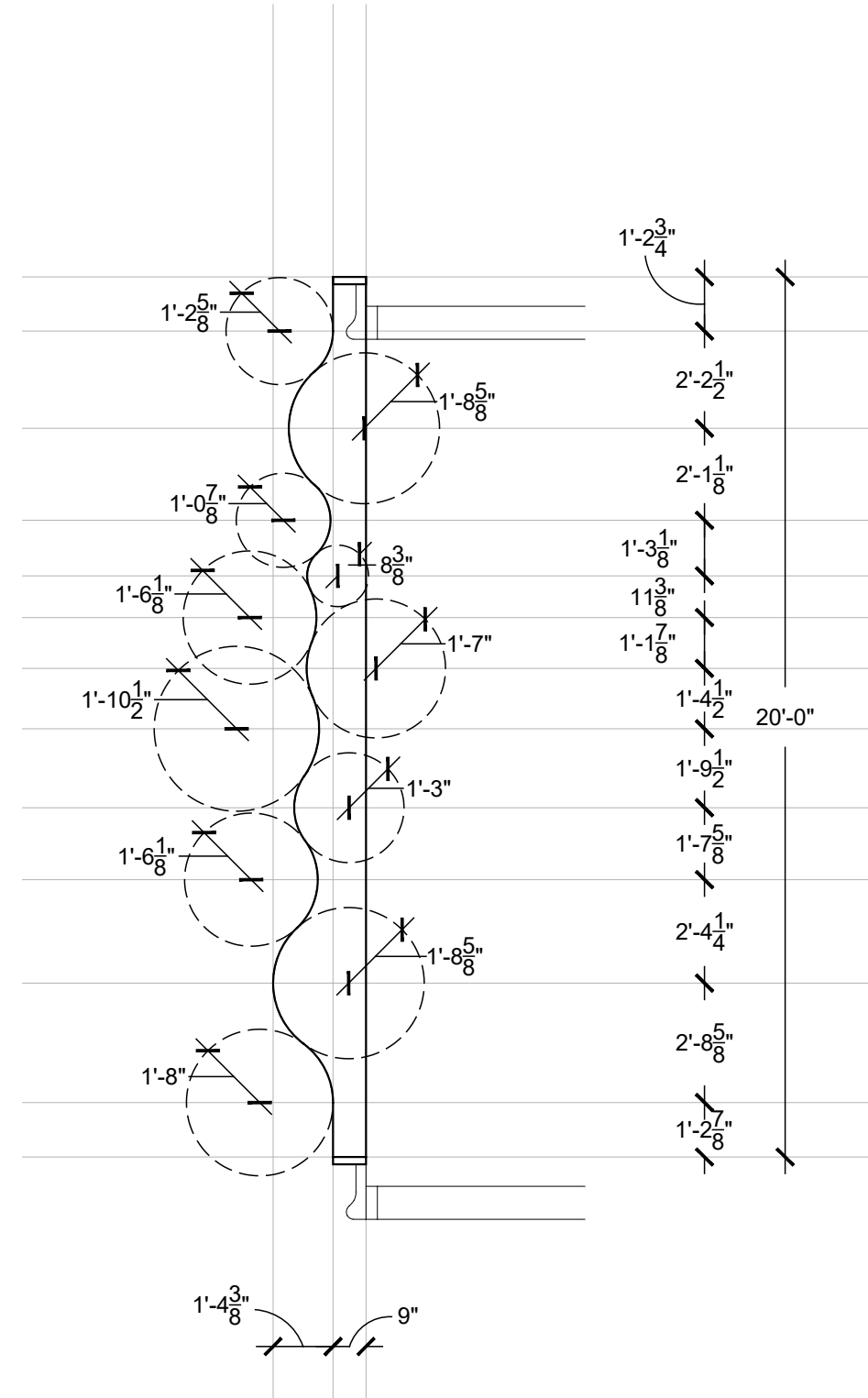
WALL "A" MULLION GEOMETRY
SCALE: 1/4" = 1'-0"

8



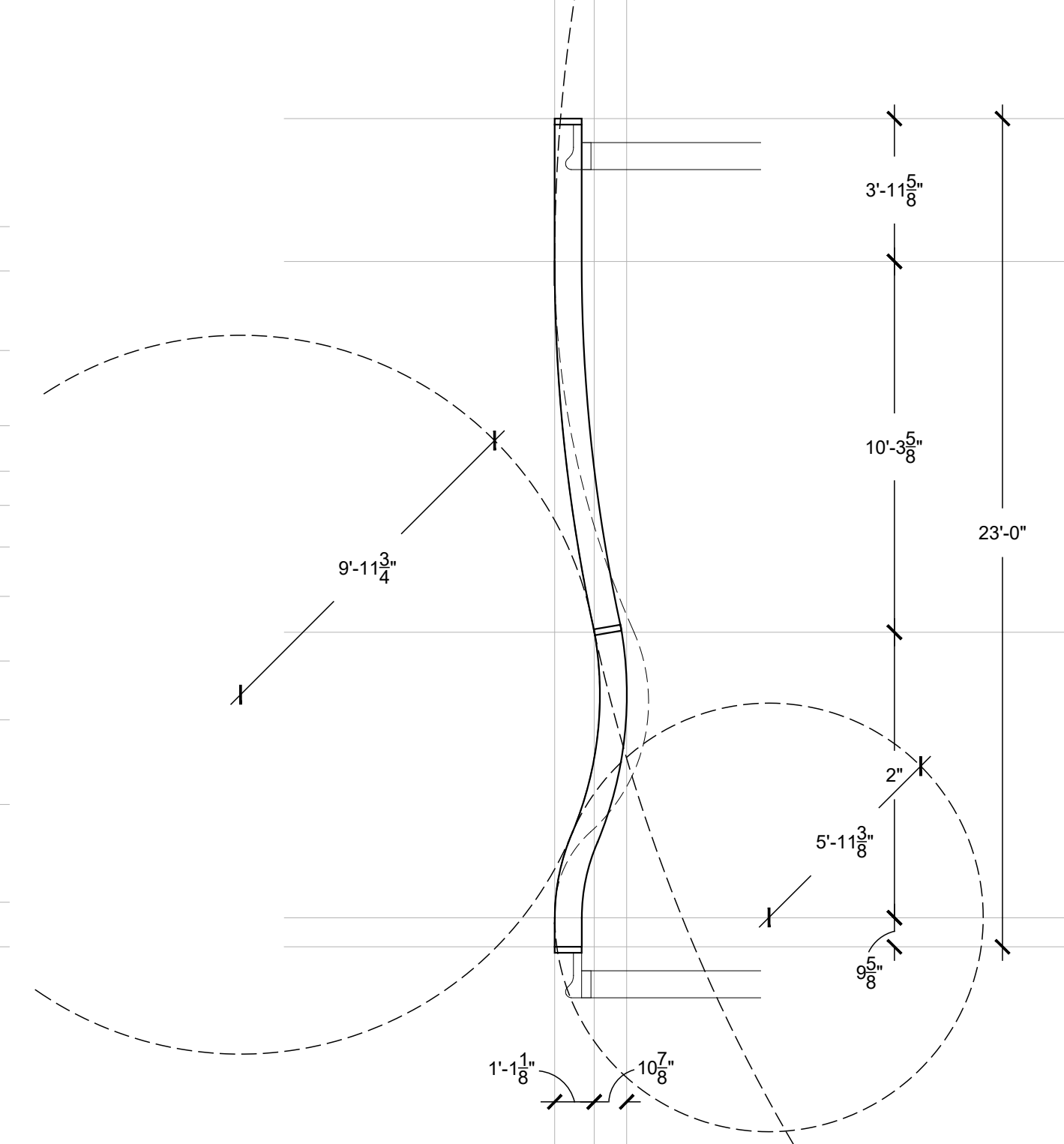
WALL "B" MULLION GEOMETRY
SCALE: 1/4" = 1'-0"

7



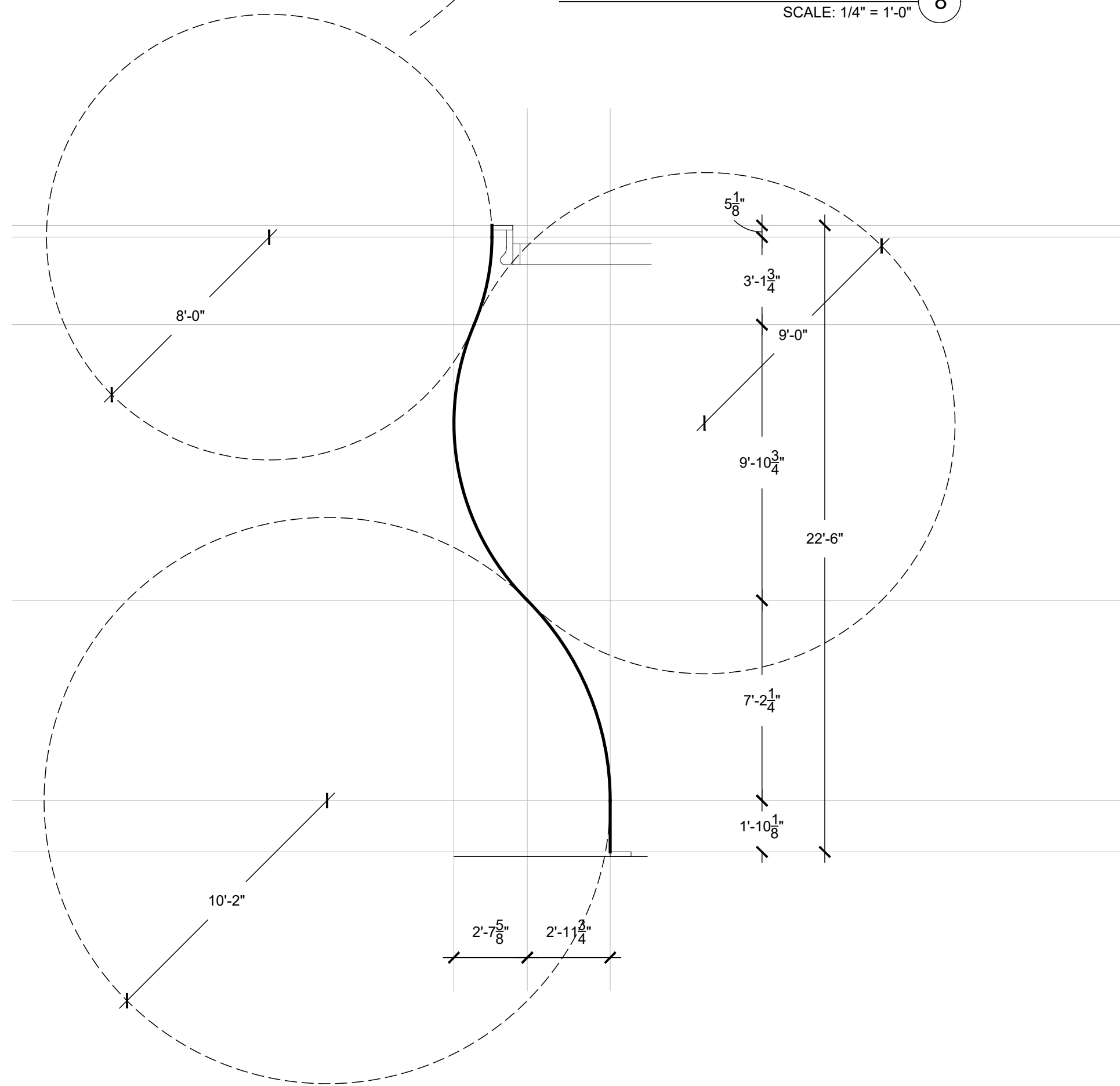
WALL "C" MULLION GEOMETRY
SCALE: 1/4" = 1'-0"

6



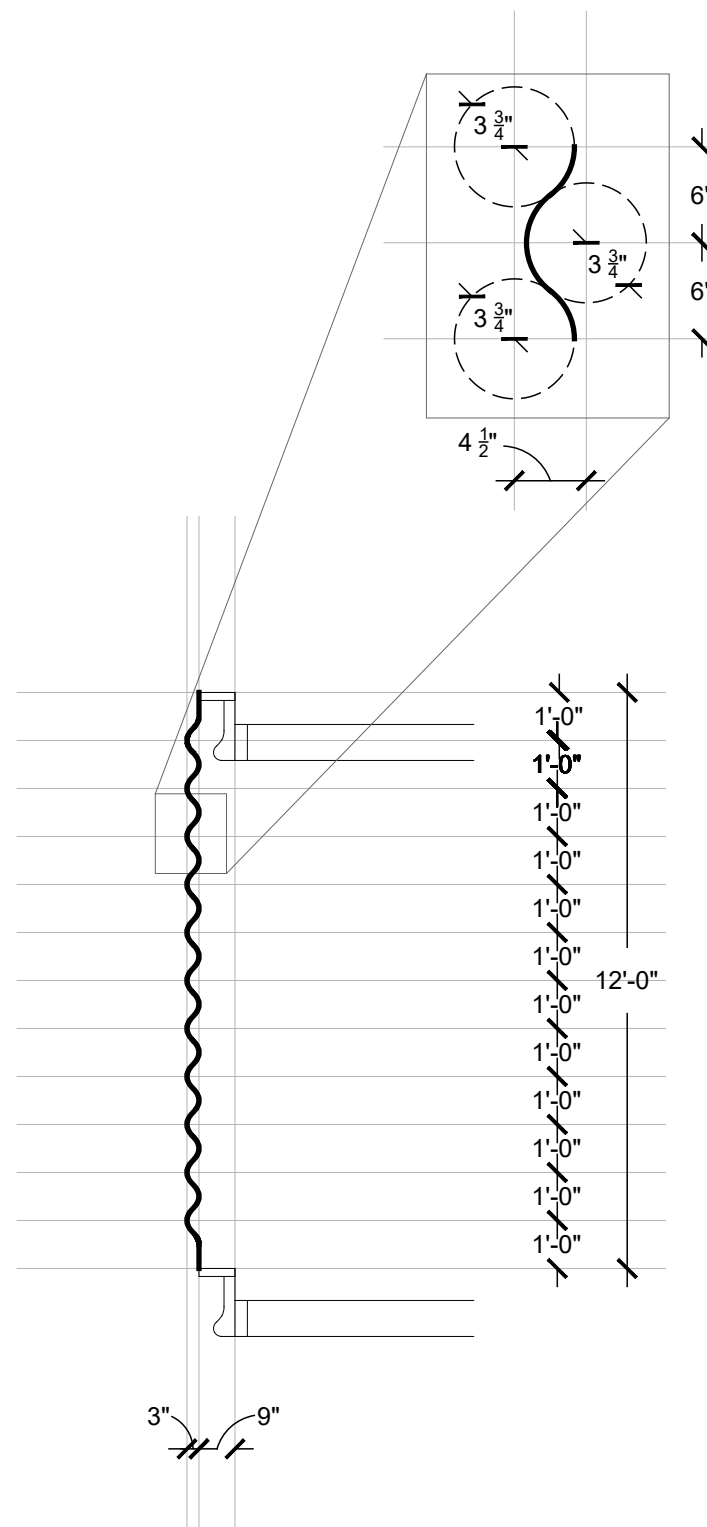
WALL "D" MULLION GEOMETRY
SCALE: 1/4" = 1'-0"

5



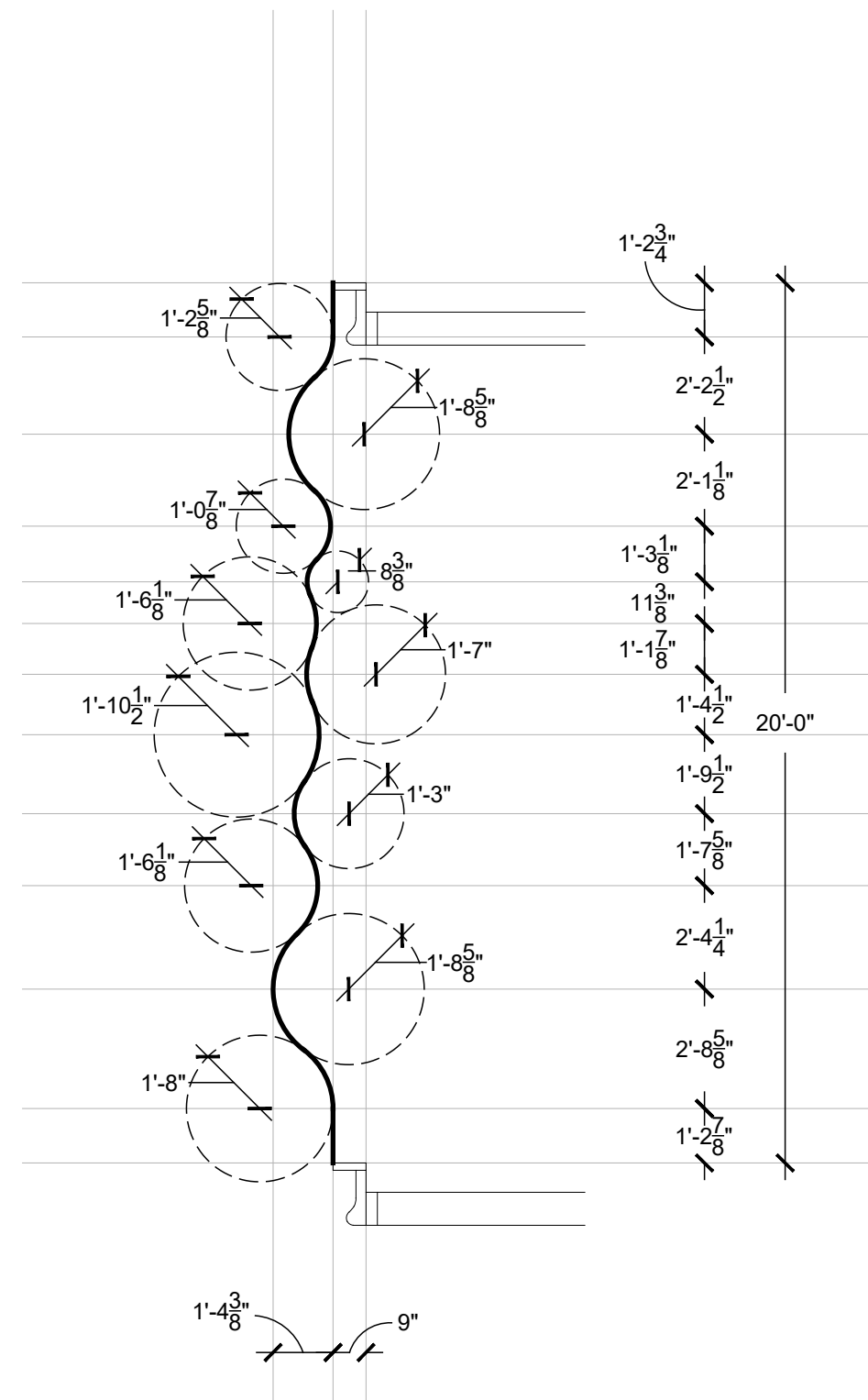
WALL "A" GLAZING GEOMETRY
SCALE: 1/4" = 1'-0"

4



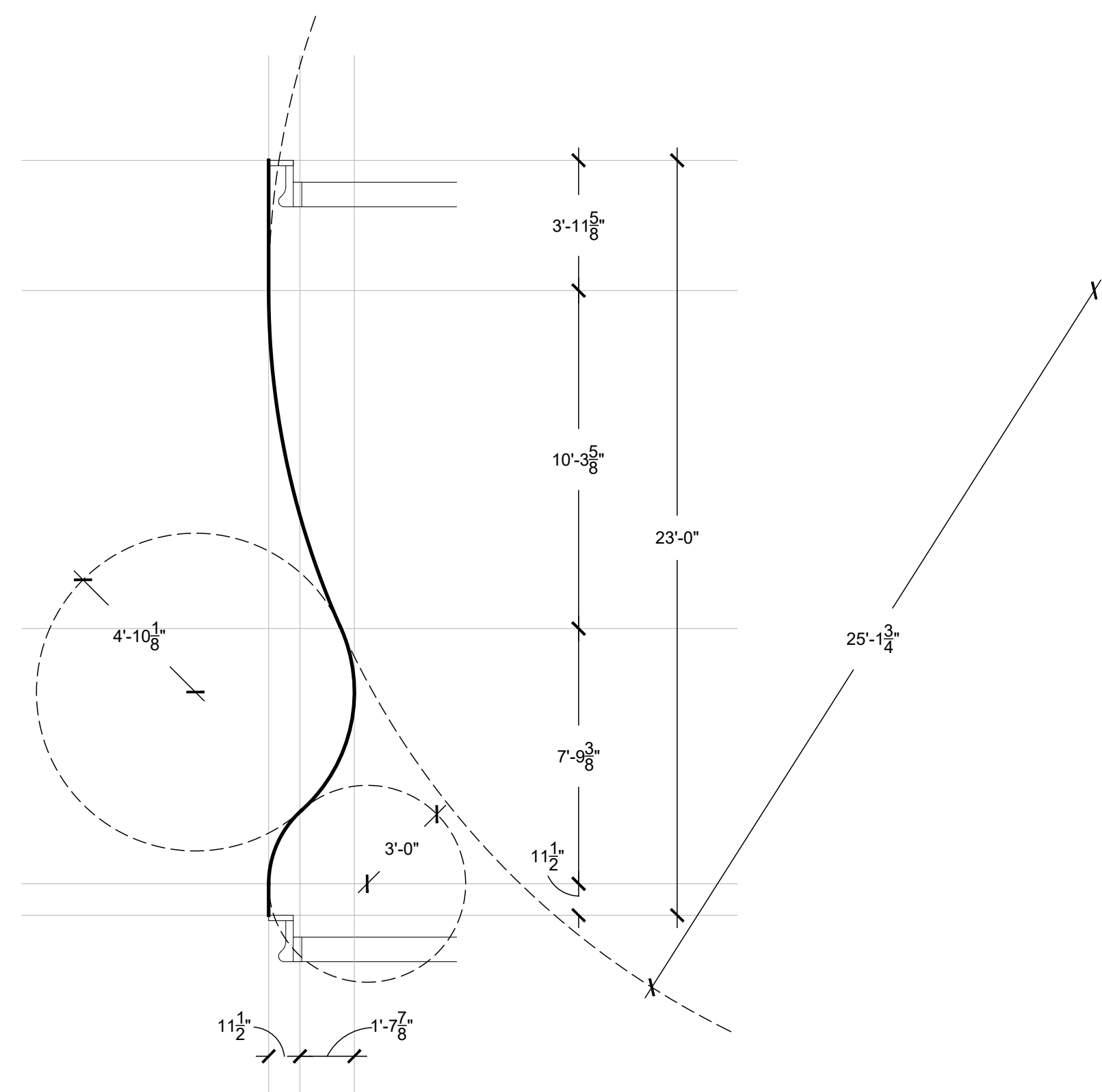
WALL "B" GLAZING GEOMETRY
SCALE: 1/4" = 1'-0"

3



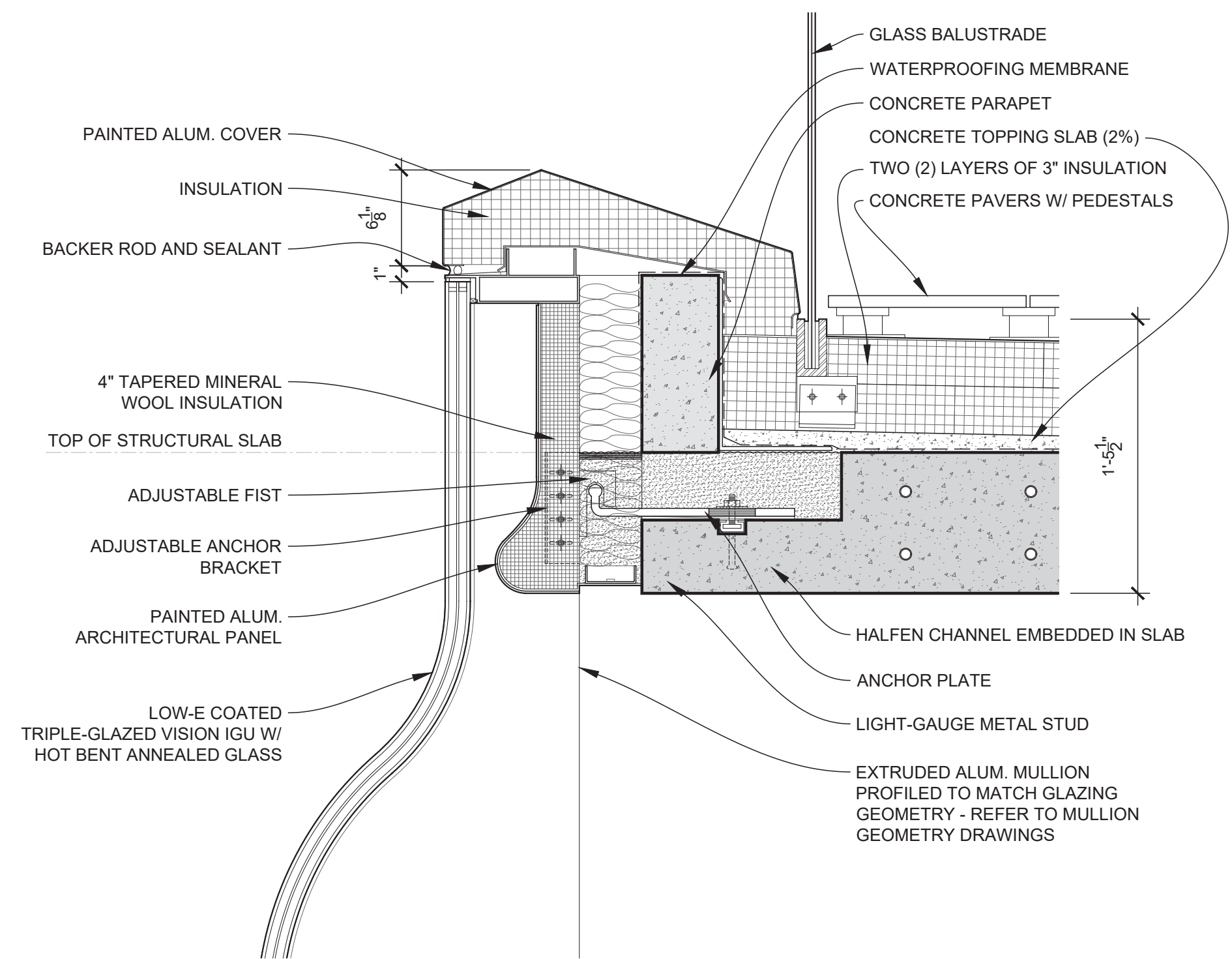
WALL "C" GLAZING GEOMETRY
SCALE: 1/4" = 1'-0"

2

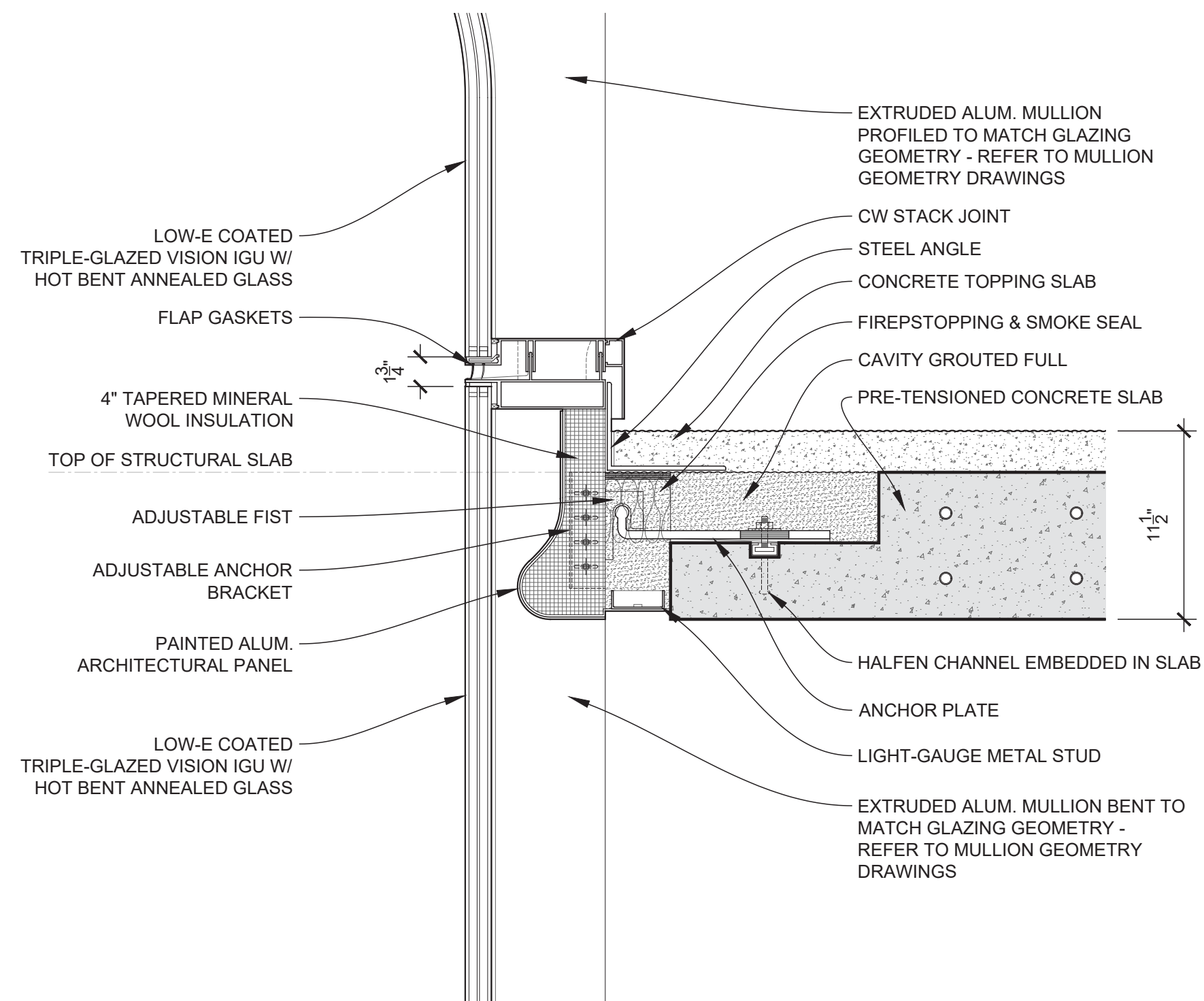


WALL "D" GLAZING GEOMETRY
SCALE: 1/4" = 1'-0"

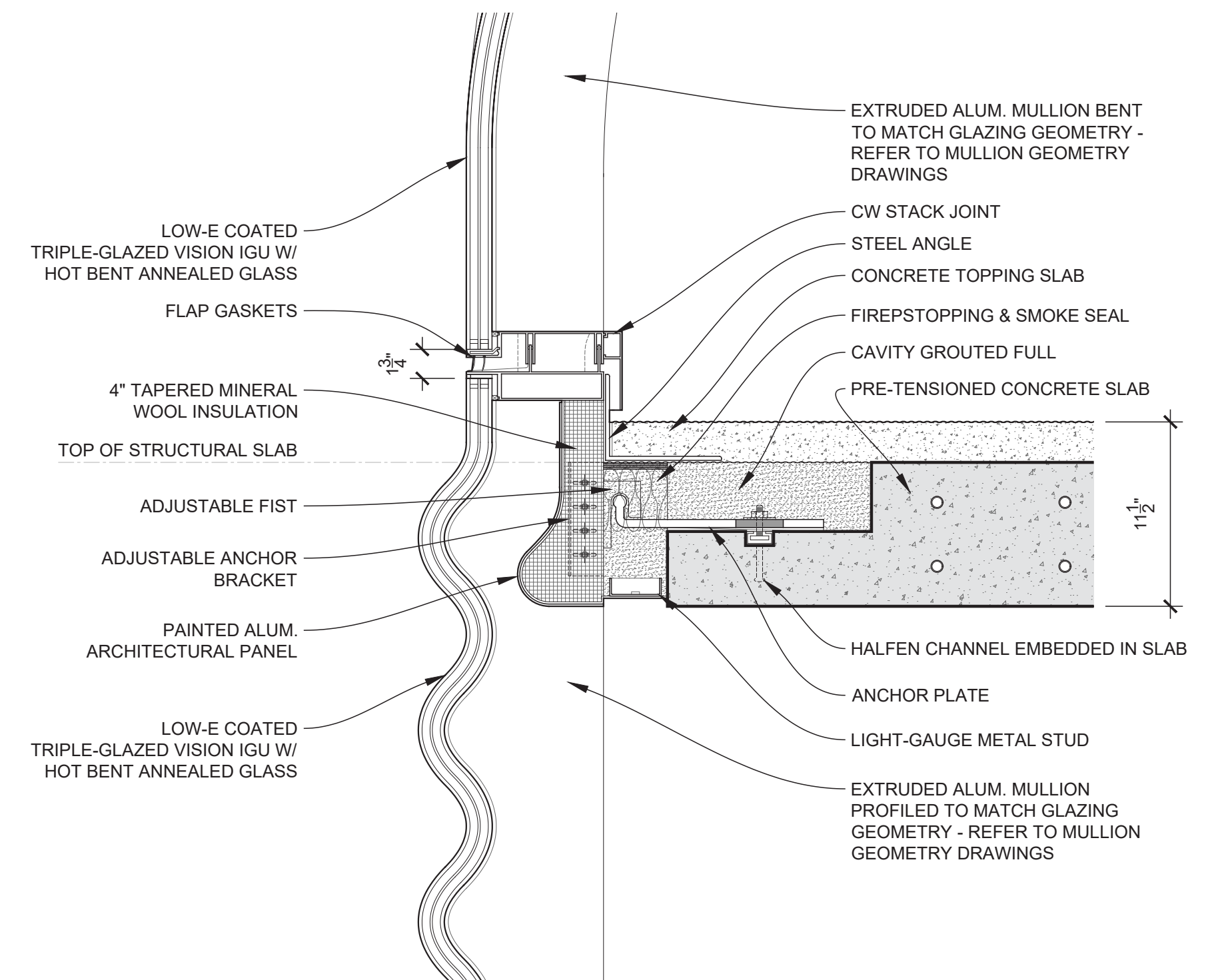
1



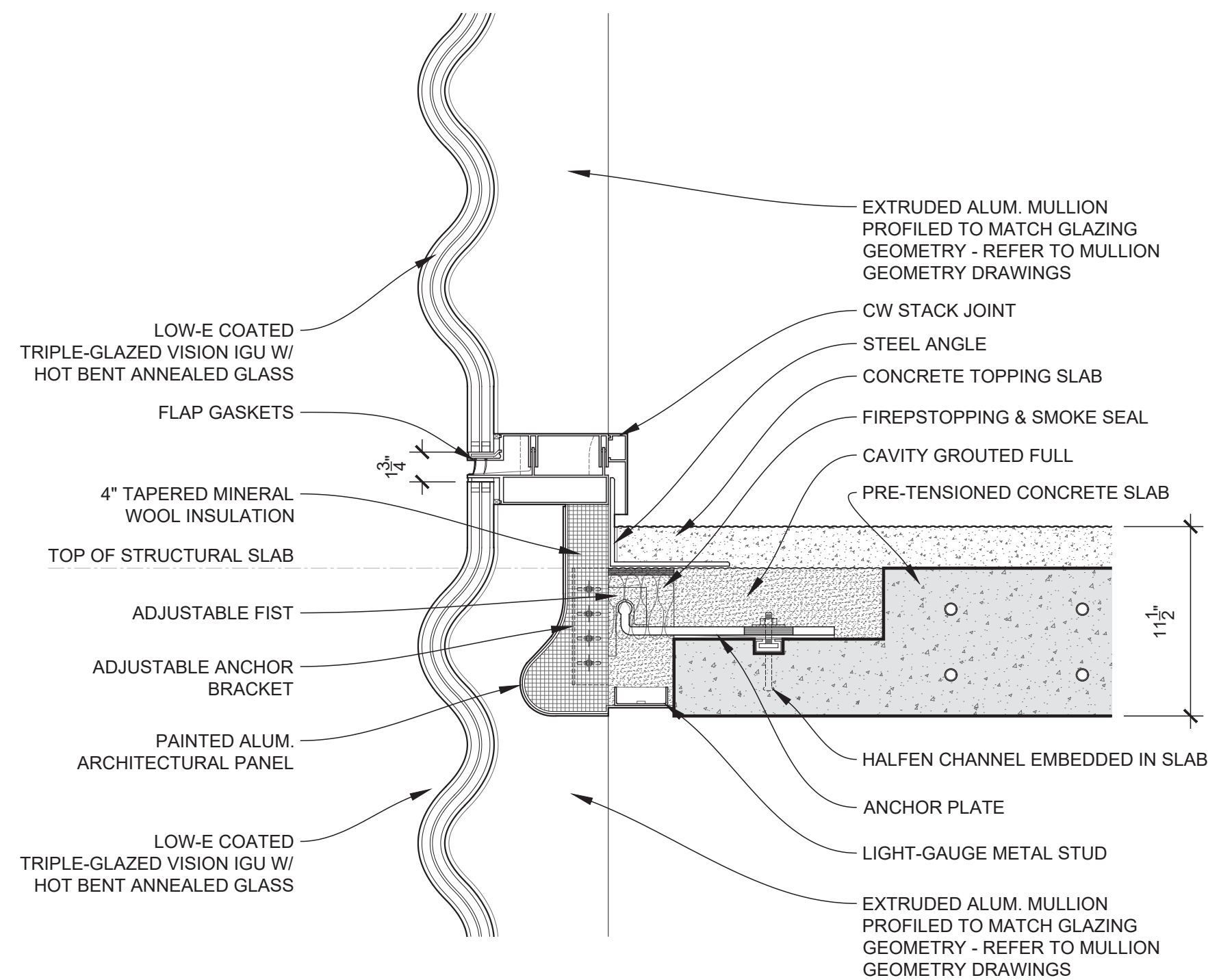
ROOF TERRACE DETAIL 6
SCALE: 1-1/2" = 1'-0"



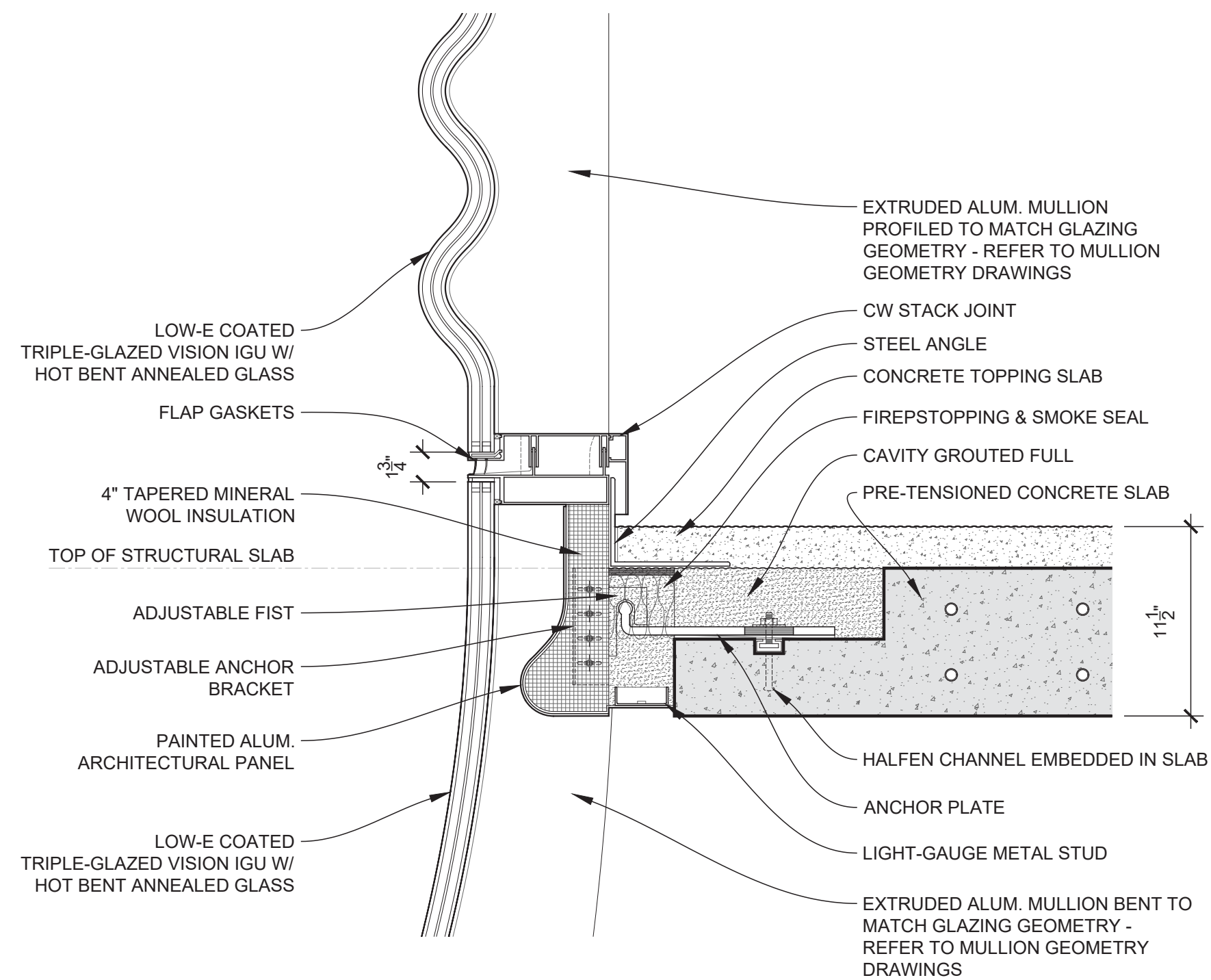
FLOOR 5 STACK JOINT DETAIL 5
SCALE: 1-1/2" = 1'-0"



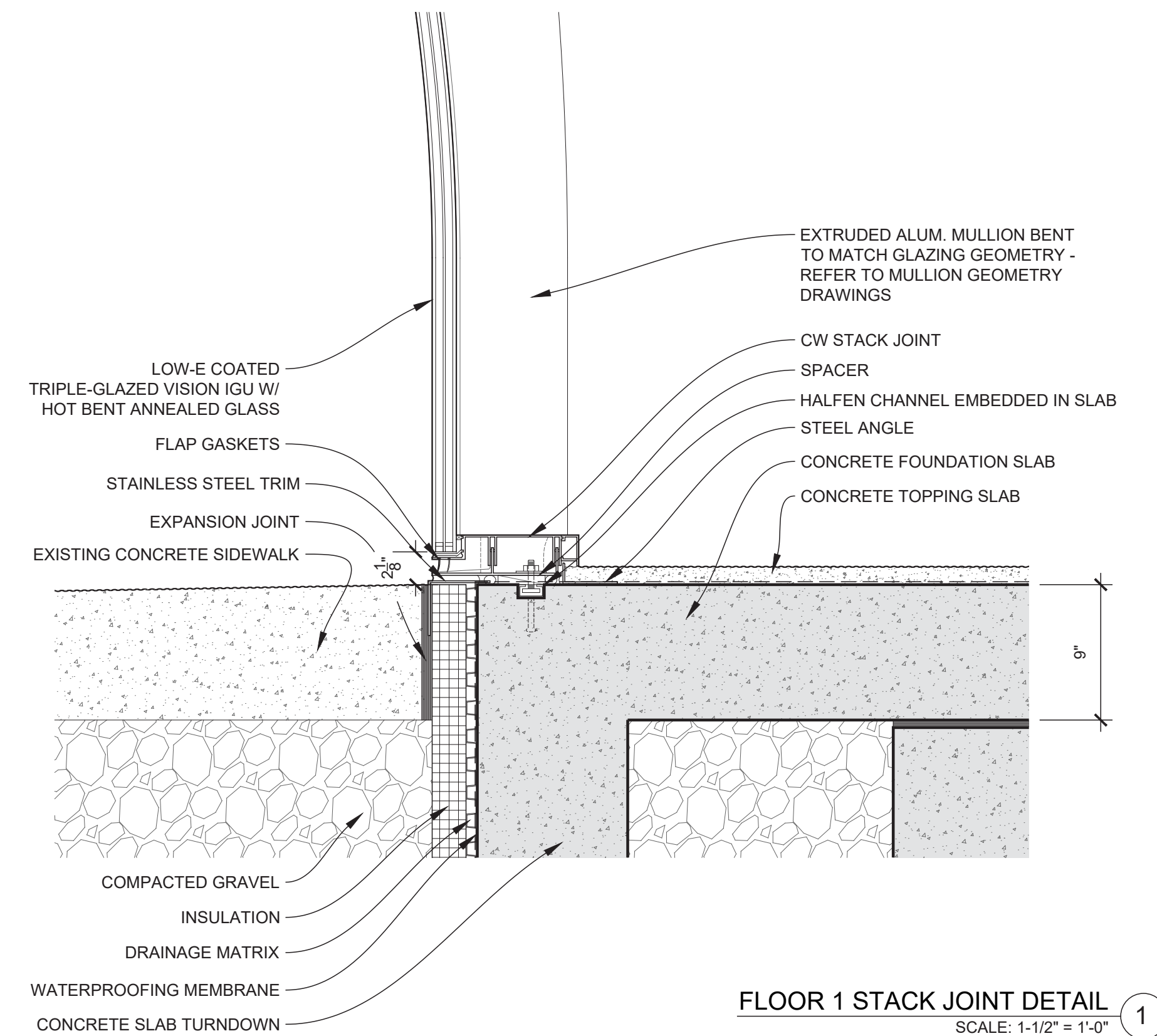
FLOOR 4 STACK JOINT DETAIL 4
SCALE: 1-1/2" = 1'-0"



FLOOR 3 STACK JOINT DETAIL 3
SCALE: 1-1/2" = 1'-0"



FLOOR 2 STACK JOINT DETAIL 2
SCALE: 1-1/2" = 1'-0"



FLOOR 1 STACK JOINT DETAIL 1
SCALE: 1-1/2" = 1'-0"

