VIEWRAIL

FLIGHT **Cantilever**

Minimalism to the Max

Specifications

Support
Wall-mounted brackets

Interior - Mild Steel
Exterior - Stainless Steel
Field Adjustable for level and plumb

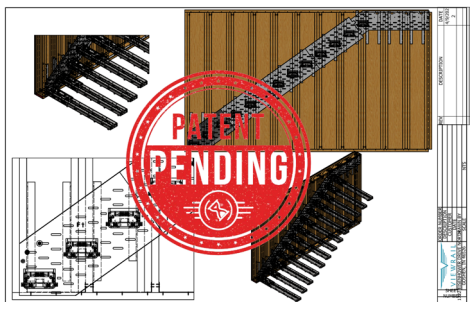
Configurations
Flexible for nearly any configuration

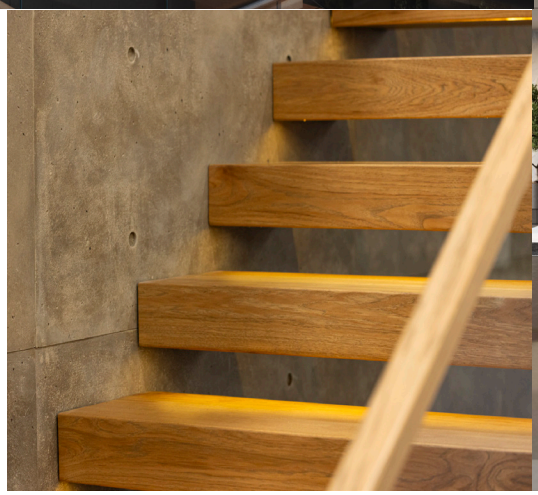
Tread Types
Wire brushed
Thick (4 1/4"-5 1/4")
Width (36"-66")
Interior - Wood
Exterior - Porcelain

Tread Spacing
Open-riser design

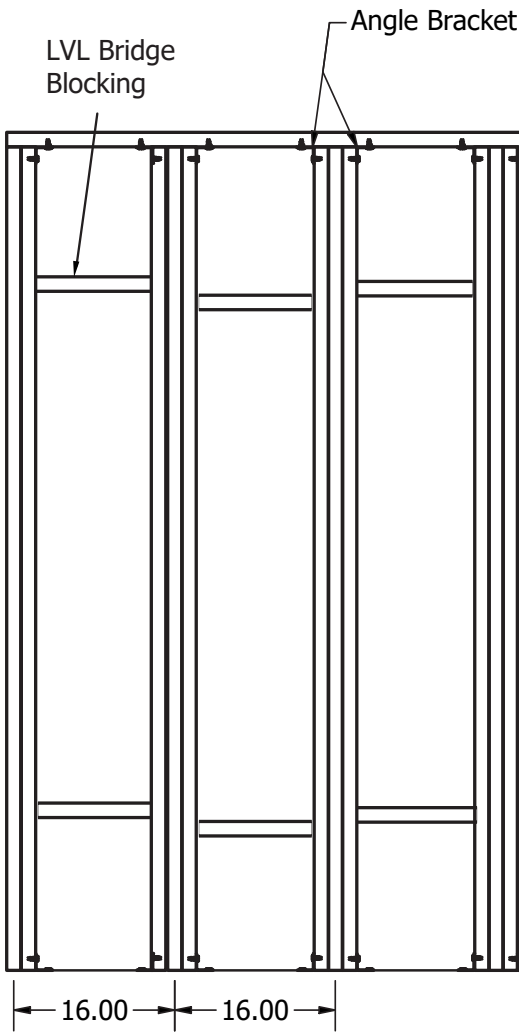
Conditions
Residential or commercial
Interior or Exterior
Wood framed
Steel Framed
CMU

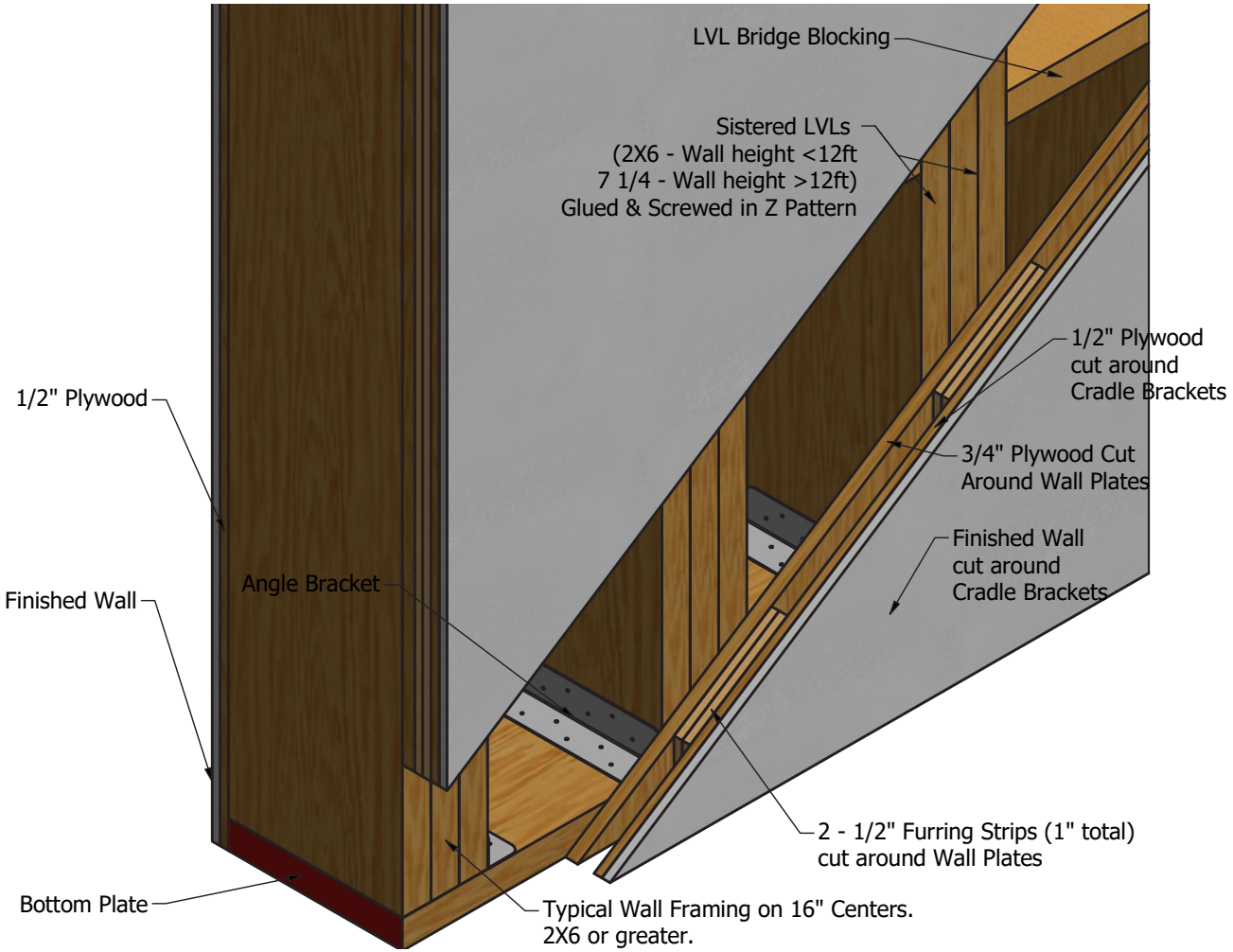
Upgrades
LED treads
LED handrail
Grip strips





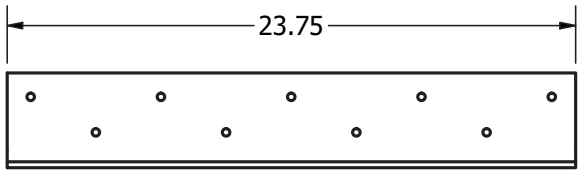
Wall Specifications

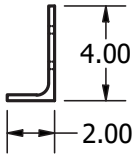


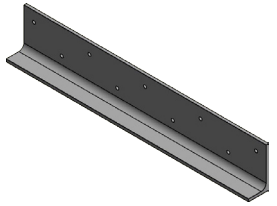


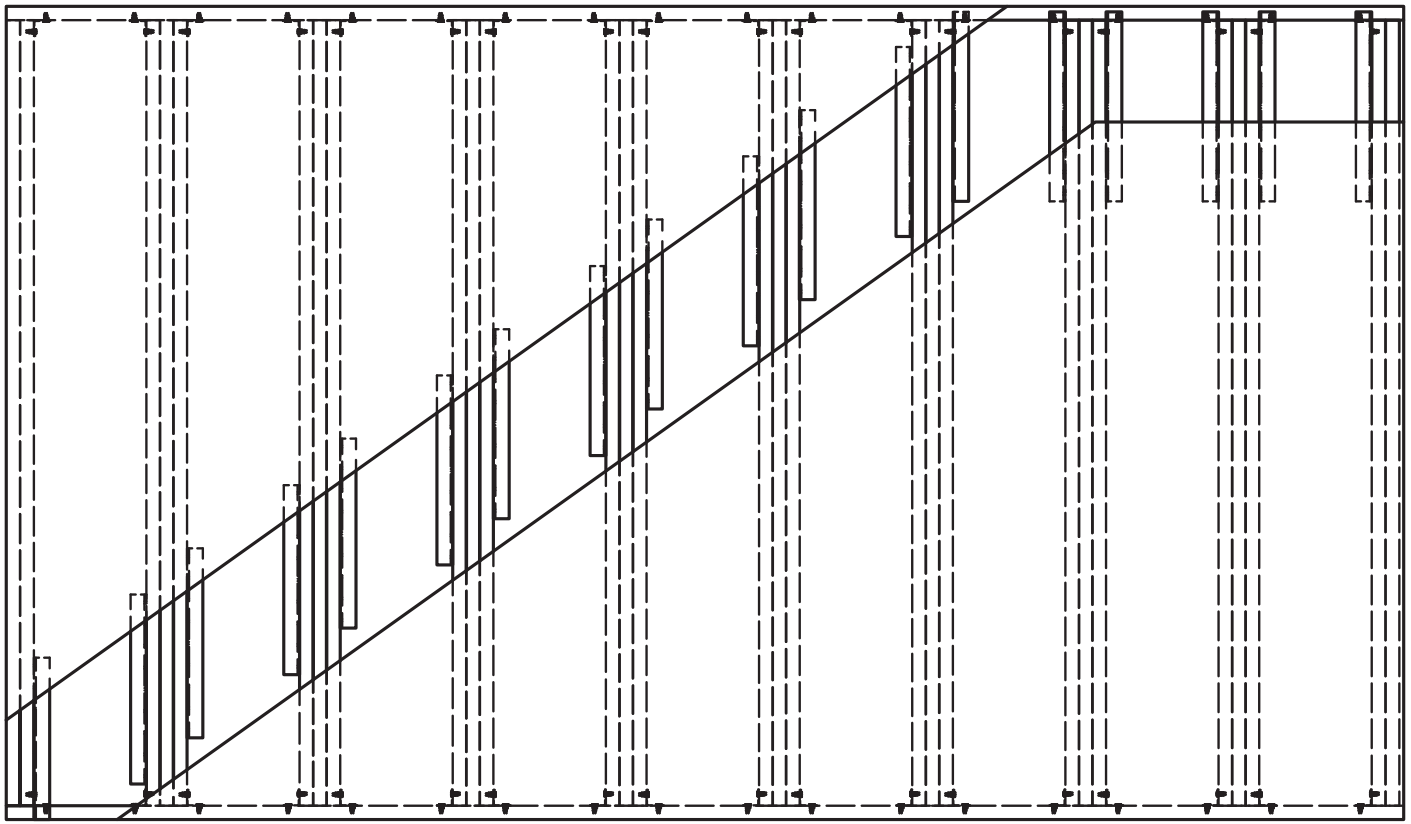
Wall Bracket

Wall Brackets are installed on every side of each “bunch” of LVLs.
These support the wall plates that are installed in the next step.





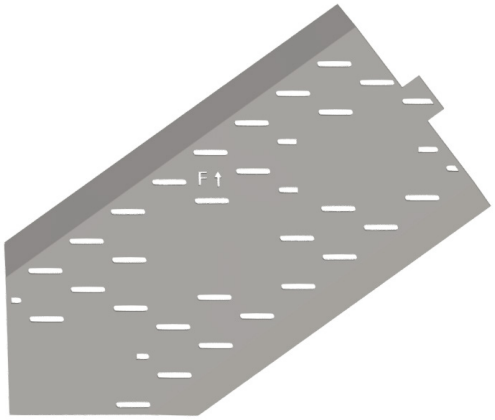




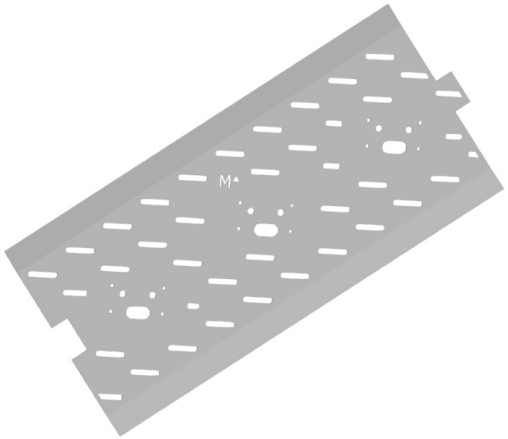
VIEWRAIL	Part Name:	Tolerance:
	Part Description:	.X" +/- .03" .XX" +/- .015" .XXX" +/- .005" X/X" +/- 1/16" X° +/- 0.5° Or as Specified
Sheet 1 of 1	Material:	

Wall Plates

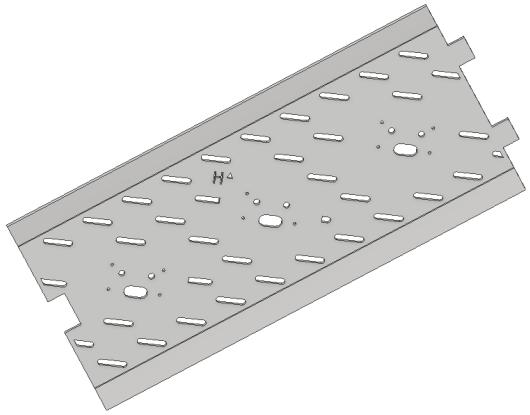
Wall plates are the main backbone for the cantilever system. They are installed by drilling through the wall brackets and through bolting the two pieces together through the slots. Lag screws are then run through the slots as well into the stacked LVLs. The brackets are aligned with the tabs at the top and bottom. Note: the 3/4” plywood is cut out around these plates.



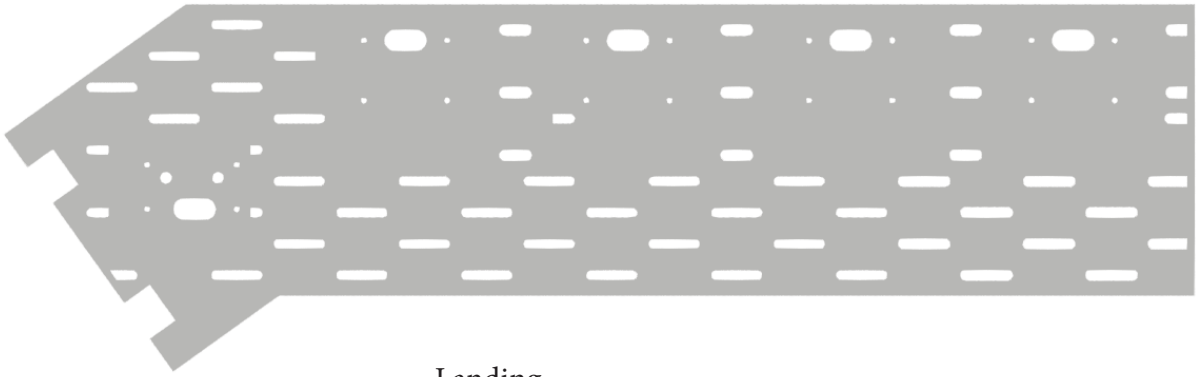
Bottom



Middle

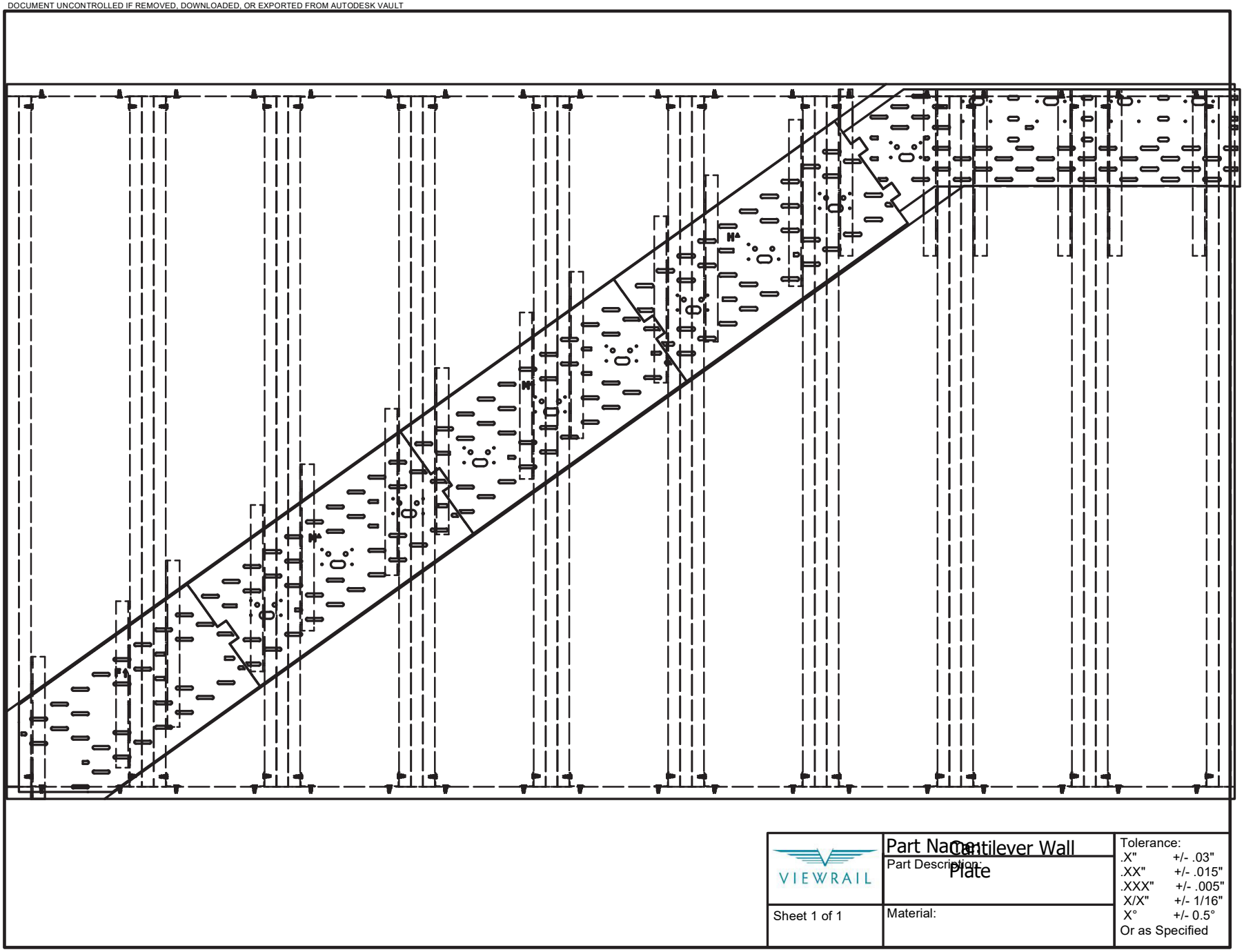


Top



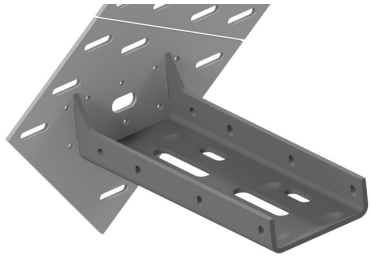
Landing

Wall Plates Installed

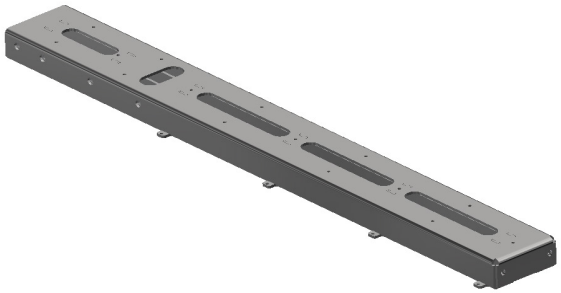


Cradle & Platform Arm

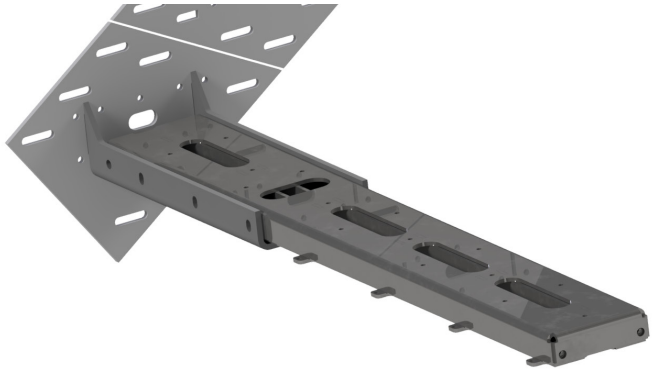
The cradle & platform bracket fully support each tread and glass panel and tie into the wall plates with bolts and partite epoxy. Once they are installed then the system is ready for the wood treads.



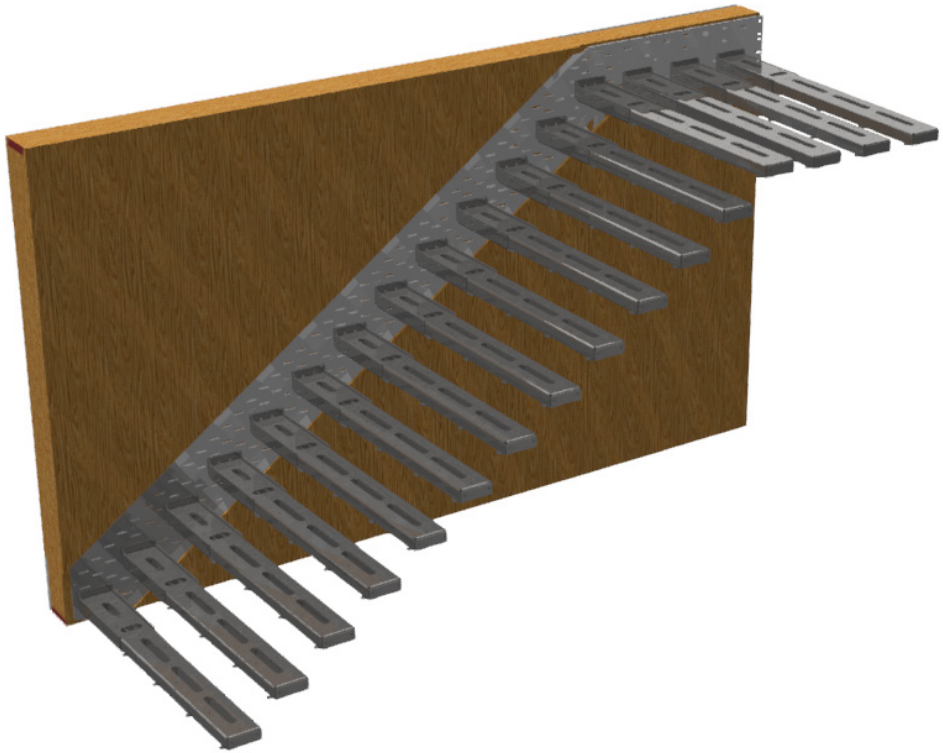
Cradle



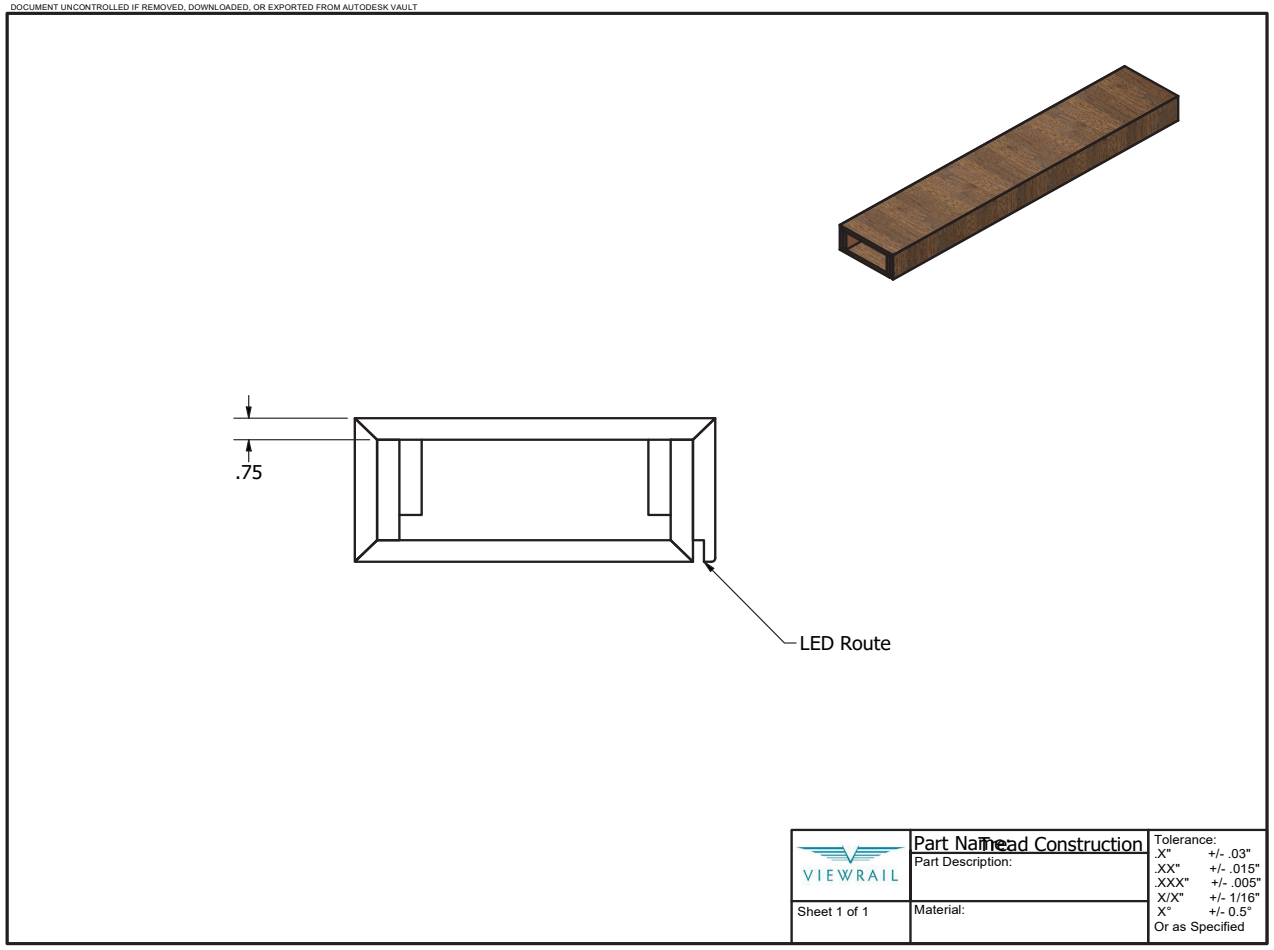
Platform Arm



Cradle & Platform Arm Assembly



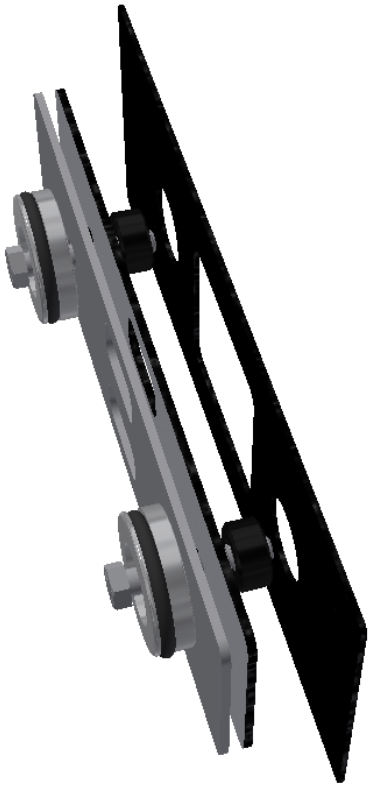
Tread Details

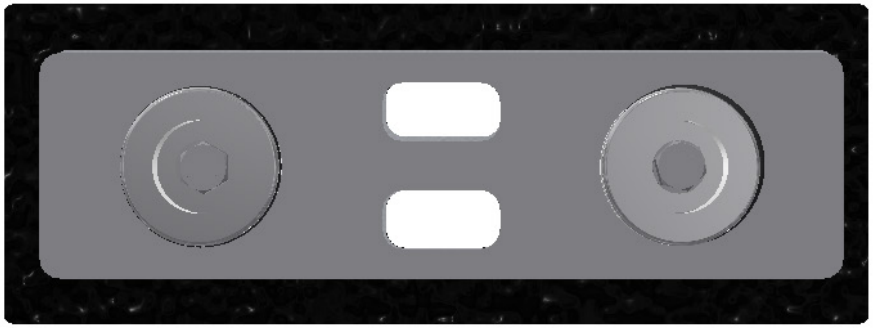


Viewrail's Cantilever treads are designed to wrap around the steel arms of the cantilever brackets. They come in two part L pieces that are joined together onsite with wood glue around the bracket. The end caps are attached after the glass is put up and can be siliconed on to prevent them from coming off.

Glass Hardware

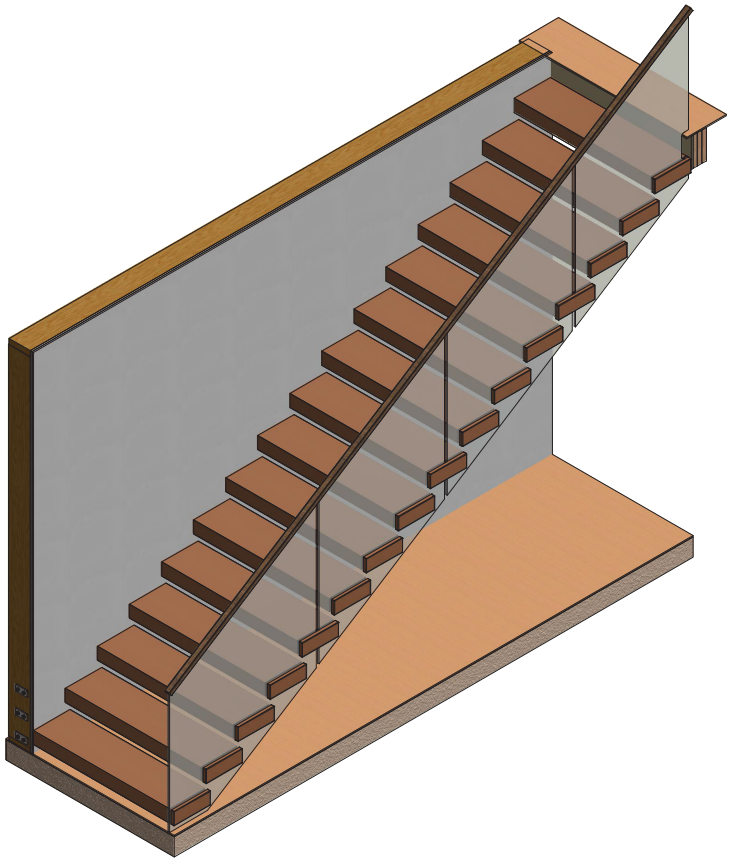
The glass on cantilever is attached secured with a bolt that threads into the platform bracket. The hardware assembly contains a plastic stud that the glass sits on, an inner and outer black PETG plastic that isolates the glass from any metal, a metal outer clamp plate, and two pins that sandwich the assembly together and hold on the outer tread cap.





Example: Engineering Approval Documents (9-13)

We meticulously incorporate all specifications into our engineering documents, tailoring each project to your unique requirements. From individual stringers and treads to glass panels, every element is meticulously designed to seamlessly integrate into your environment. These documents serve as your blueprint, allowing you to verify every measurement and finish, ensuring that your project arrives and fits precisely as envisioned within your custom space.



ORDER NUMBER:
JOB TYPE: Residential (Interior)
TREAD MATERIAL: WHITE OAK
TREAD FINISH: NATURAL 5 SHEEN, NO WIREBRUSH
LED: NO
GLASS CAP RAIL: 6008 WHITE OAK, NATURAL 5 SHEEN
CUSTOMER SUPPLIED NOSING: YES
STAIR INFILL: MONOLITHIC GLASS $\frac{1}{2}$"
TOTAL RUN: 177.125 in
TOP NOSING DEPTH: 1.5 in
TREAD NOSING: 1.5 in
NUMBER OF TREADS: 16
TREAD SIZE: 48 in X 12.4375 in X 4.25 in
TREAD RISE: 6.985 in
TREAD RUN: 10.9375 in
BOTTOM FINISHED FLOOR THICKNESS: 0.375 in
TOP FINISHED FLOOR THICKNESS: 0.375 in
FINISH FLOOR TO FINISH FLOOR:118.75 in
SUBFLOOR TO SUBFLOOR: 118.75 in

FINAL DESIGN

VIEWRAIL	STRINGER STYLE: Cantilever					VIEWRAIL
DRAWN BY: DLE	DATE: 2/2/2024	SIZE: A	SCALE: 0.02 : 1	ORDER NUMBER:		REV: 1
SHEET NAME: Cover Page						

JOB TYPE: Residential (Interior)
TOTAL RUN: 177.125 in
TOP NOSING DEPTH: 1.5 in
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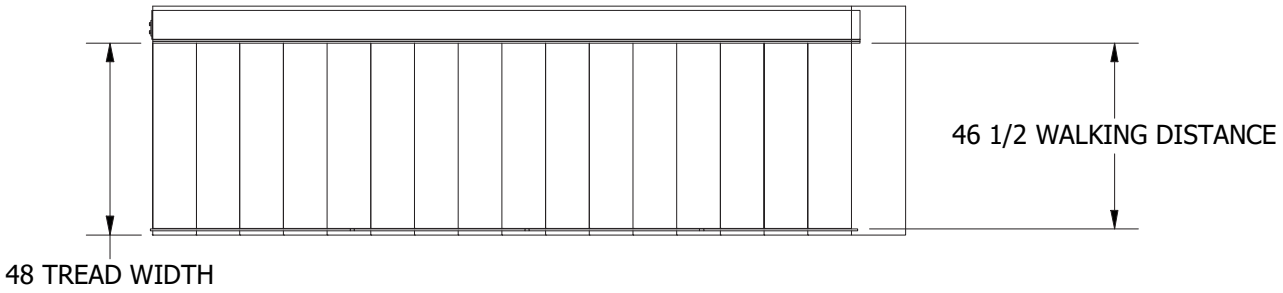
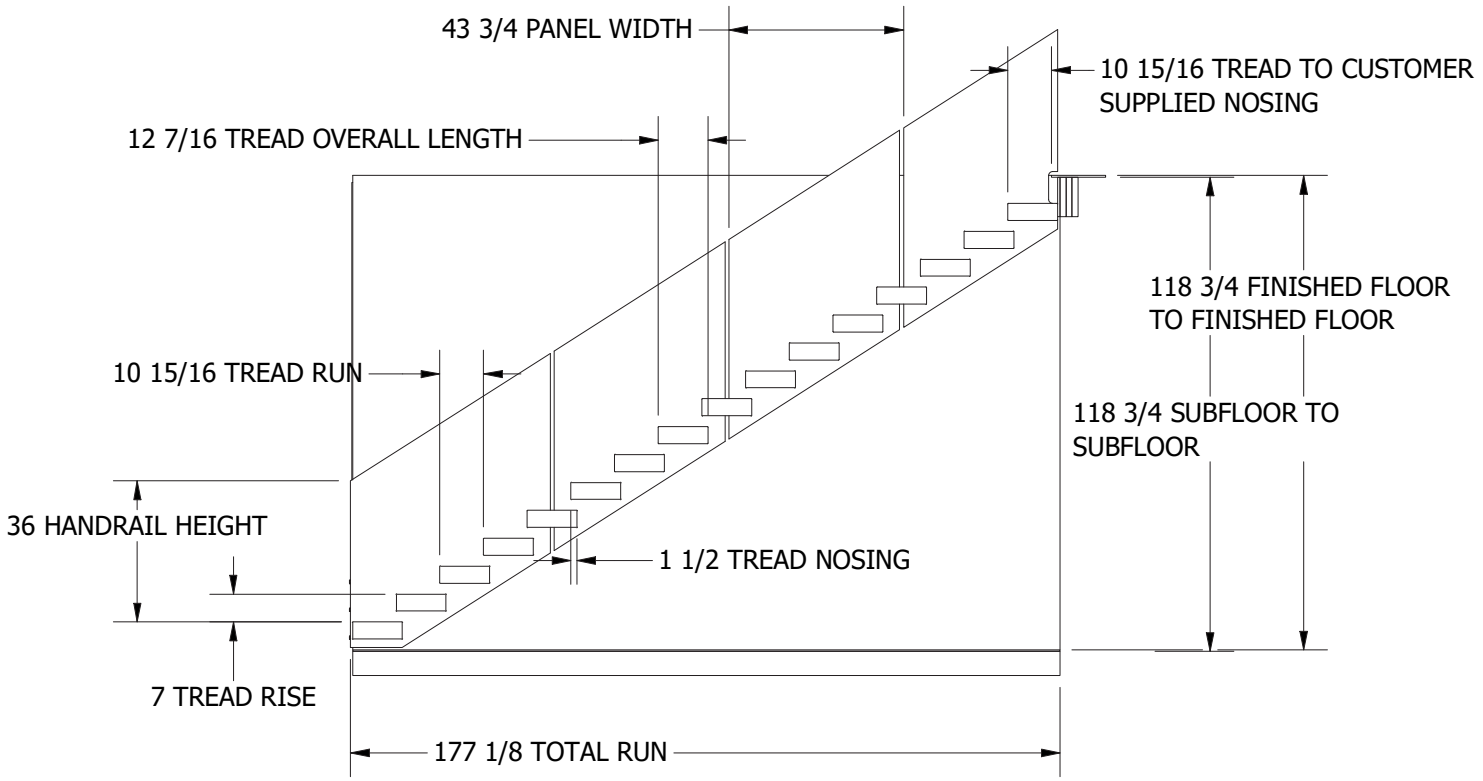
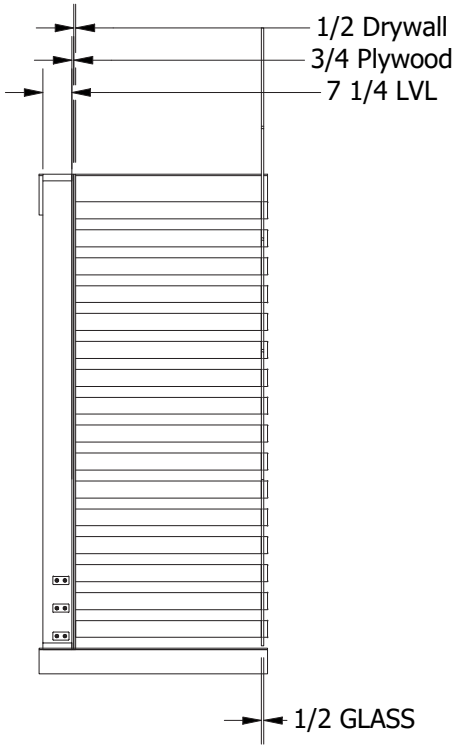
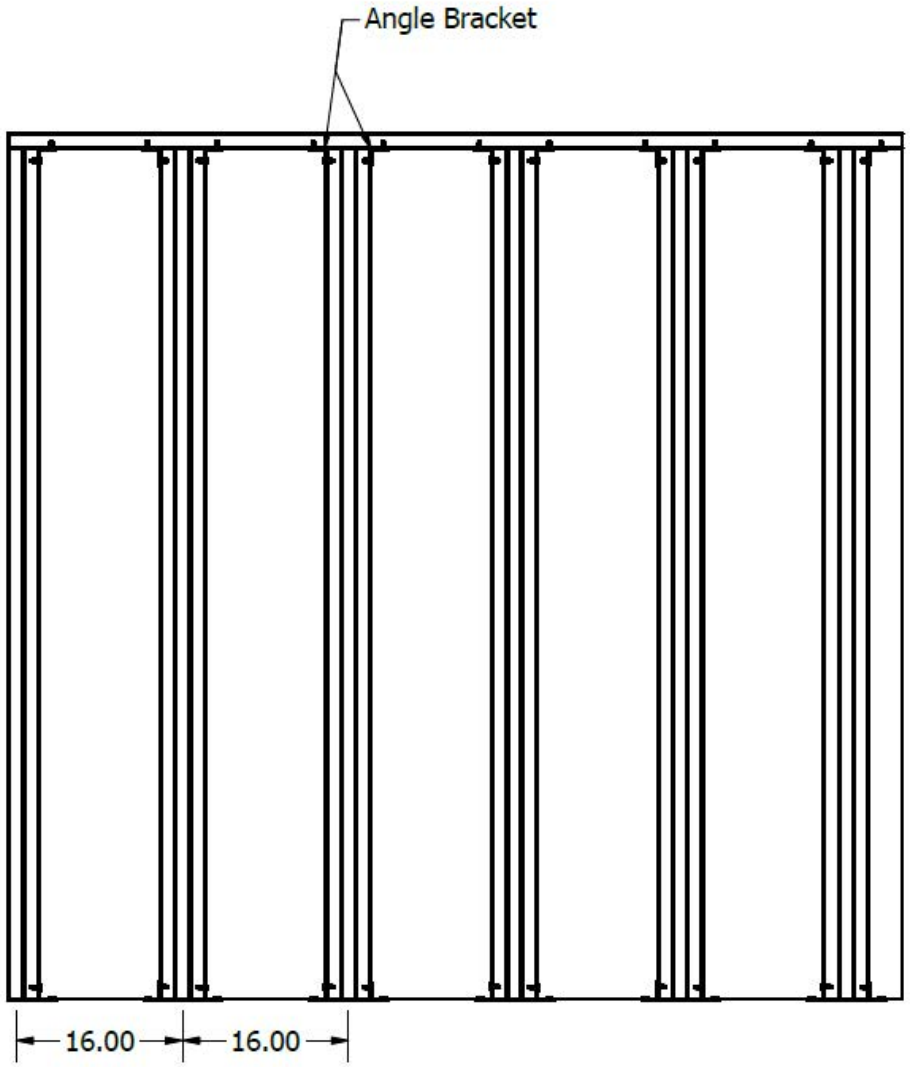




VIEWRAIL	STRINGER STYLE: Cantilever					VIEWRAIL
DRAWN BY: <AUTHOR>	DATE: 2/2/2024	SIZE: A	SCALE: 0.02 : 1	ORDER NUMBER:		REV: 1
SHEET NAME: CUSTOMER ELEVATION-Cantilever 01						





Custom LVL Wall:

VIEWRAIL	STRINGER STYLE: Cantilever				VIEWRAIL
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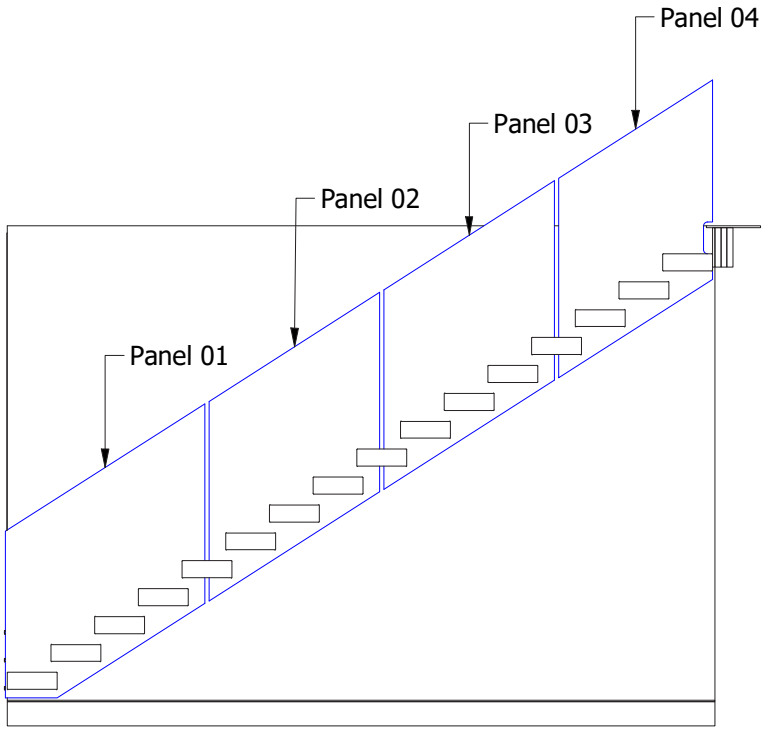
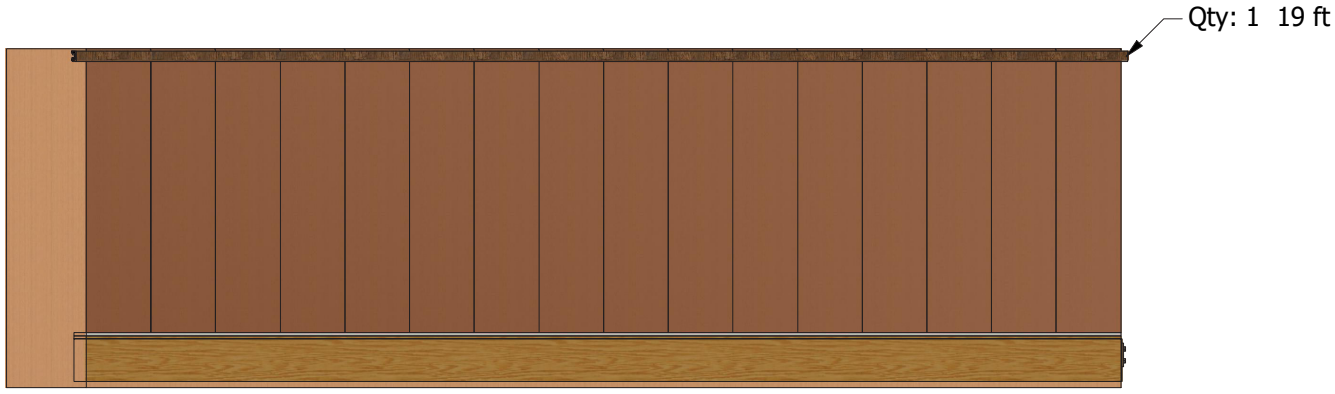
SHEET NAME: BLOCKING WALL DETAILS-Cantilever 01					



VIEWRAIL	STRINGER STYLE: Cantilever				VIEWRAIL
DRAWN BY:	DATE: 2/2/2024	SIZE: A	SCALE: 0.02 : 1	ORDER NUMBER:	REV: 1
SHEET NAME:	GLASS LAYOUT SIDE-Cantilever 01				



Caprail Layout Map:

Map displays the location of a piece of caprail designated by the ship length of the caprail.

VIEWRAIL	STRINGER STYLE: Railing				VIEWRAIL
DRAWN BY: <DLE>	DATE: 2/2/2024	SIZE: A	SCALE: 0.03 : 1	ORDER NUMBER:	REV: 1
SHEET NAME: Caprail Layout					