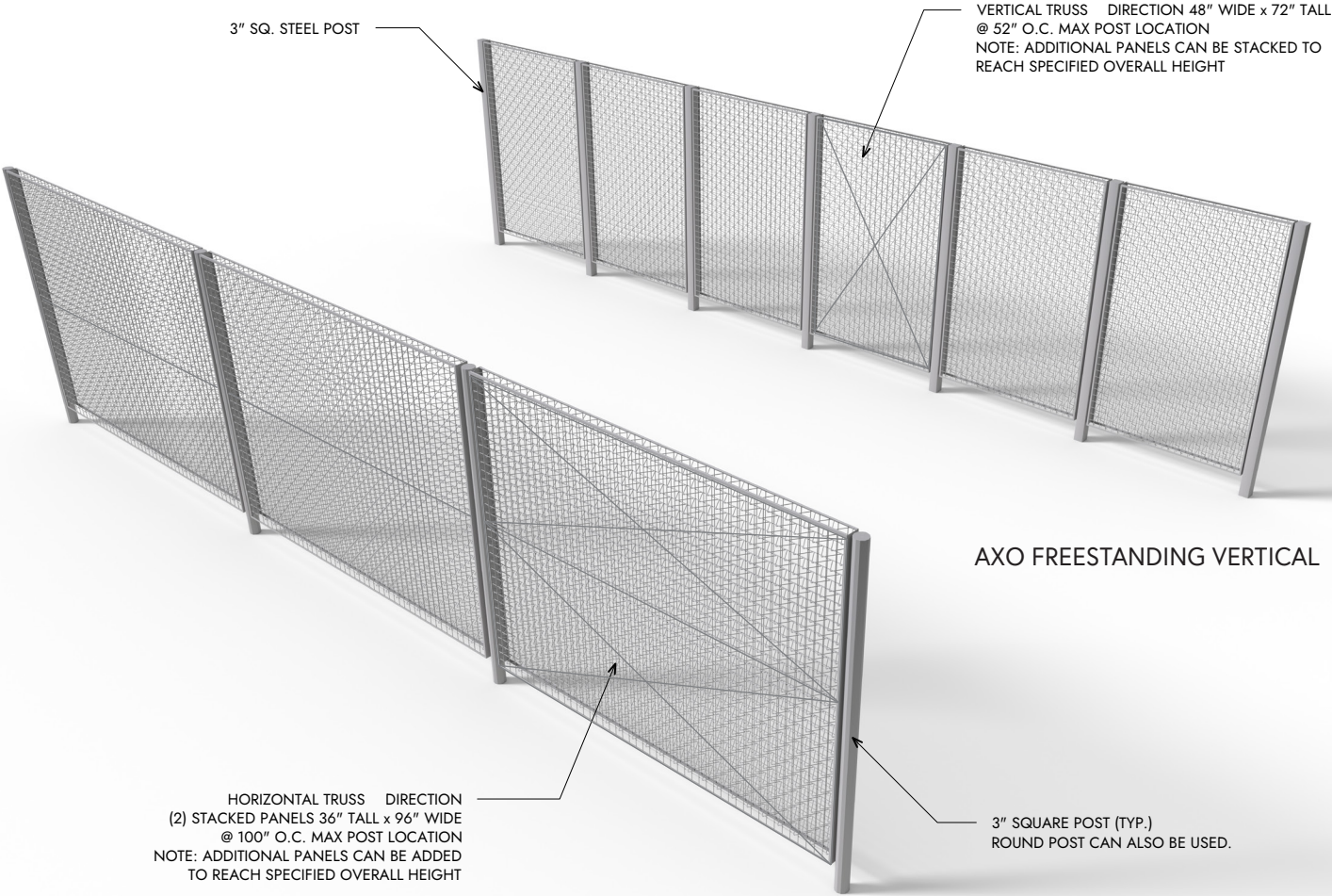
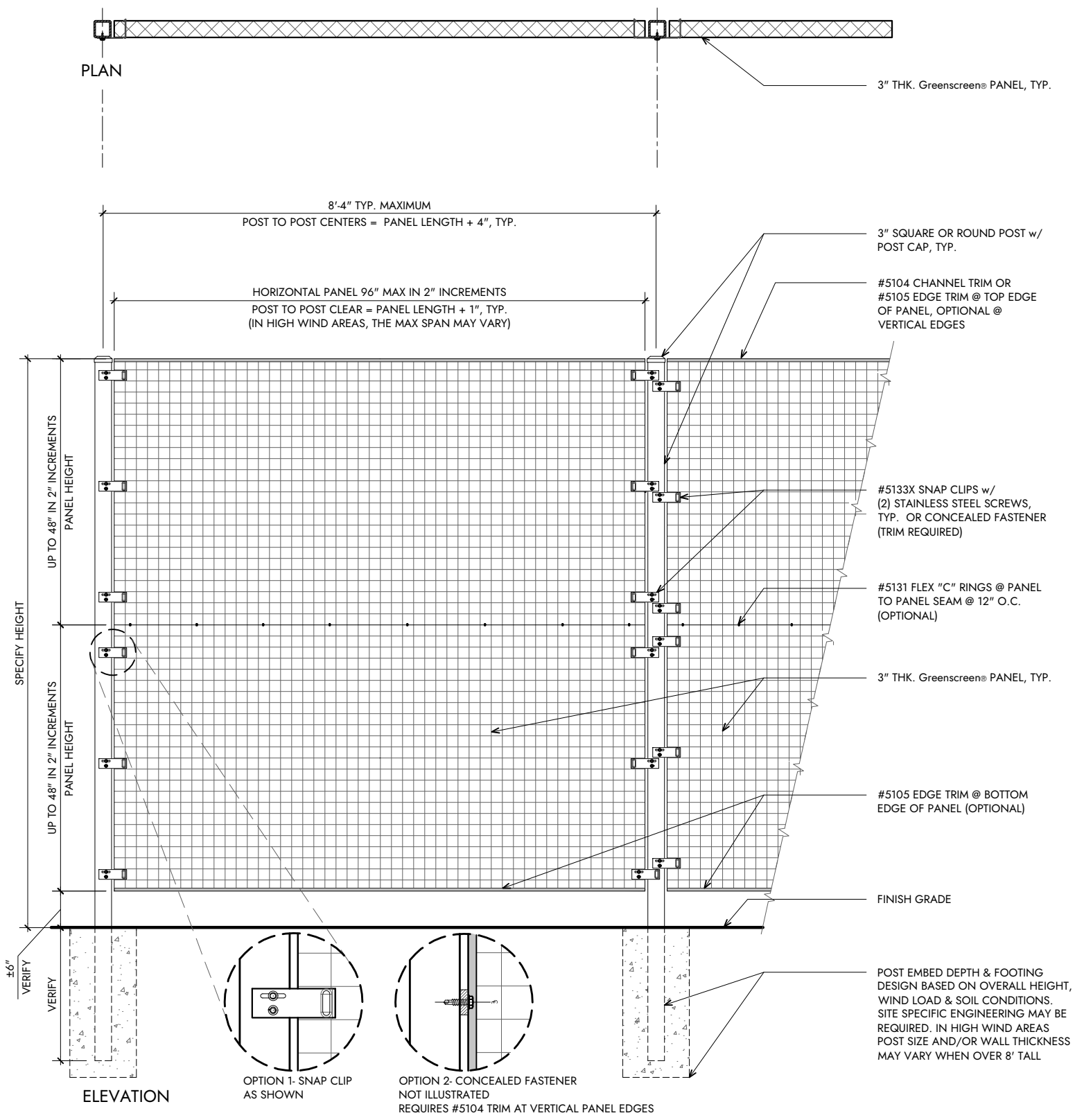
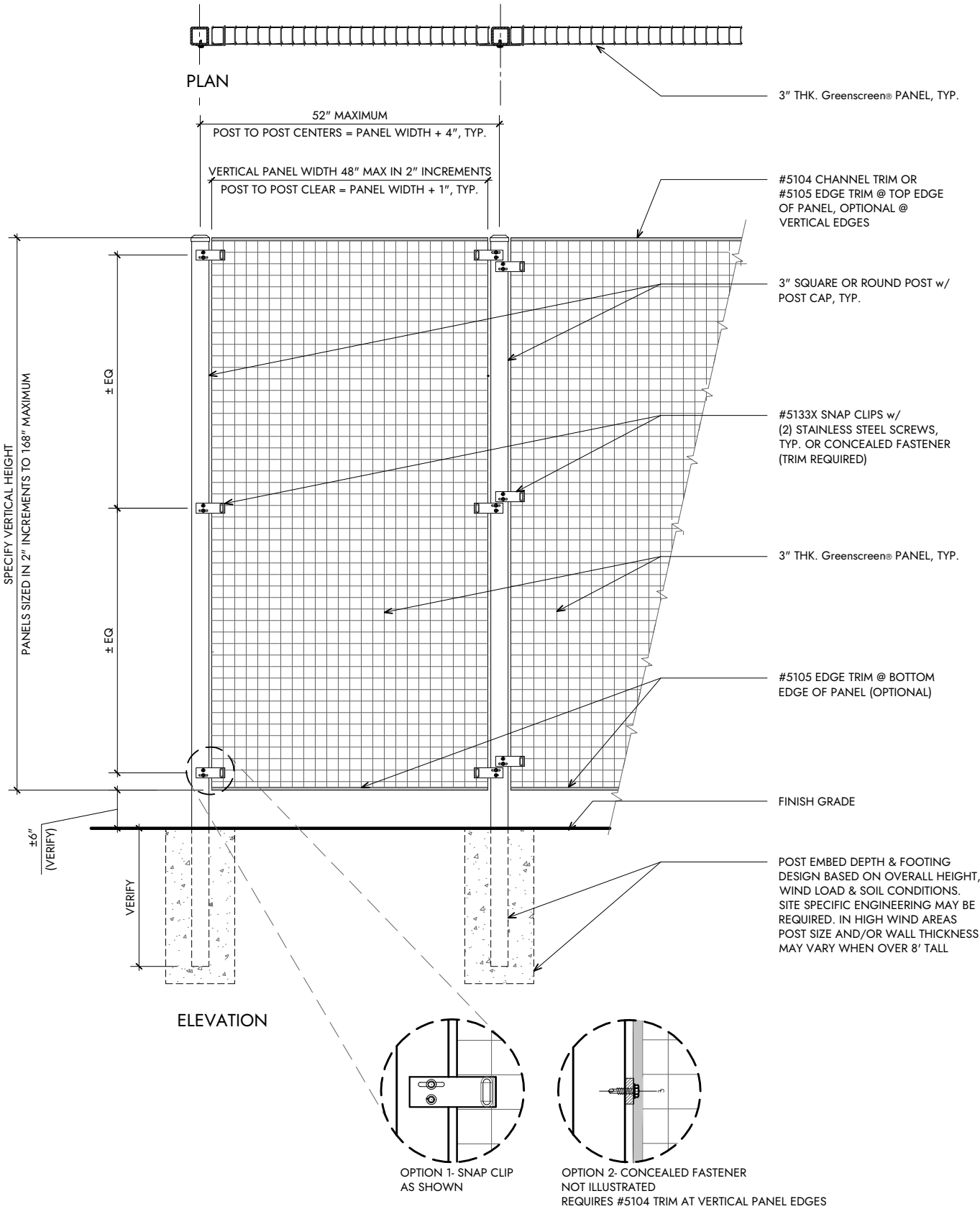


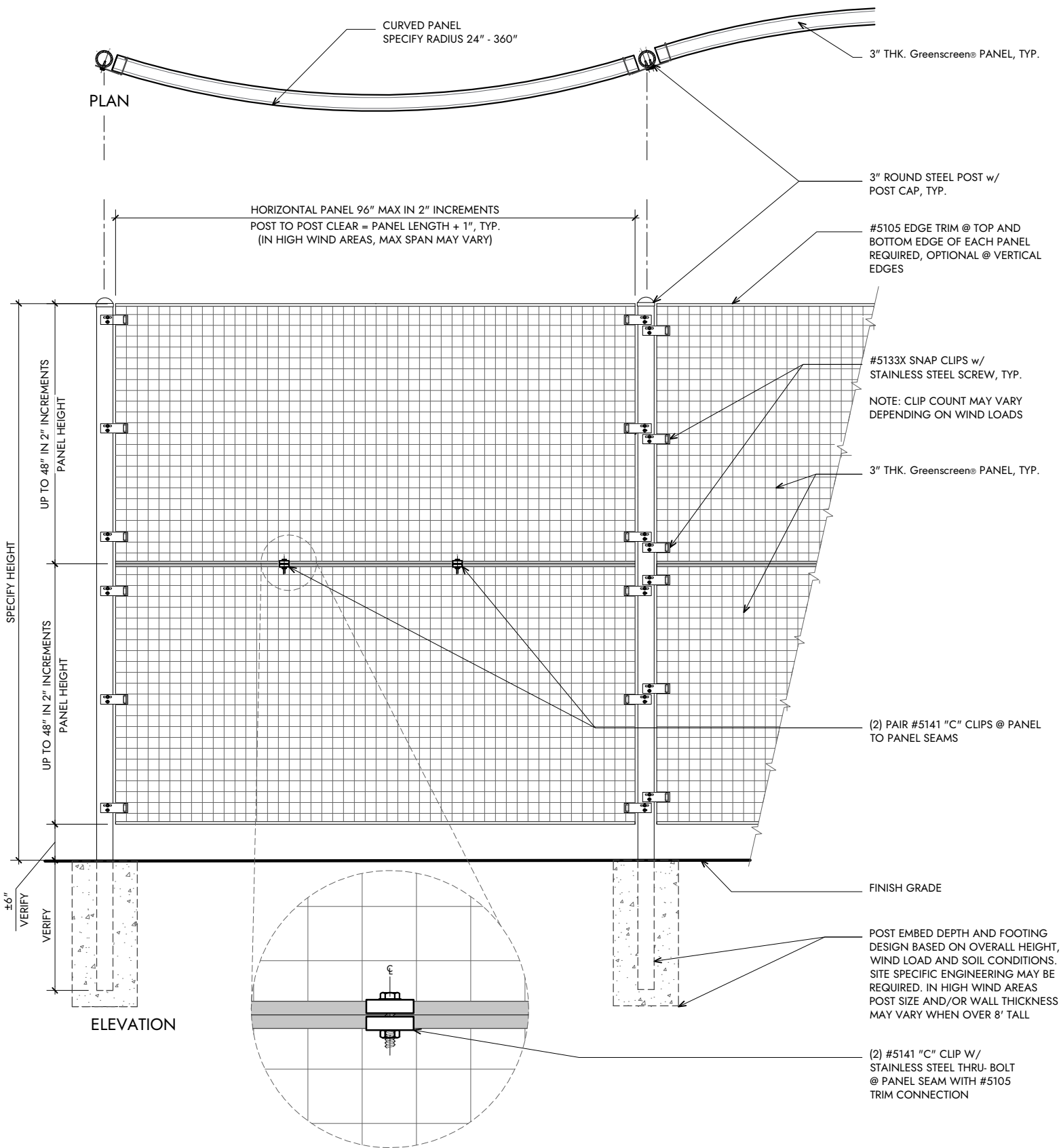


AXO FREESTANDING HORIZONTAL

6' TALL FENCE ILLUSTRATED. LAYOUT
SIMILAR FOR OTHER HEIGHTS.







NOTE: WELDED FLAT CAPS ARE AVAILABLE FOR BOTH ROUND AND SQUARE POSTS.

#5137 ROUND POST CAP
3½" DIAMETER O.D. DIE CAST STEEL

#5139 SQUARE POST CAP
3¼" x 3¼" STAMPED STEEL

STEEL POSTS: USED FOR FREESTANDING MODULAR SCREENS AND FENCES. SQUARE OR ROUND IN 1" INCREMENTAL LENGTHS. (CUSTOM SIZES AVAILABLE PER REQUEST)

3" ROUND UP TO 16' MAXIMUM LENGTH x .111" THICK STEEL
ASTM A- 1101 (NOMINAL 2⅞")

3" SQUARE UP TO 16' MAXIMUM LENGTH x ⅜" THICK STEEL
ASTM A- 500B (CUSTOM SIZES AVAILABLE PER REQUEST)

SPACER MATERIAL: UHMW HIGH DENSITY, RECYCLED NON UV DEGRADABLE PLASTIC

COLOR: BLACK

#5142 RECTANGULAR SPACER
½" THICK x 2⅝" x 1¾" WITH ⅞" HOLE

#5136 ROUND SPACER
½" THICK x 1½" DIAMETER

#5136.375 ROUND SPACER
⅜" THICK x 1½" DIAMETER

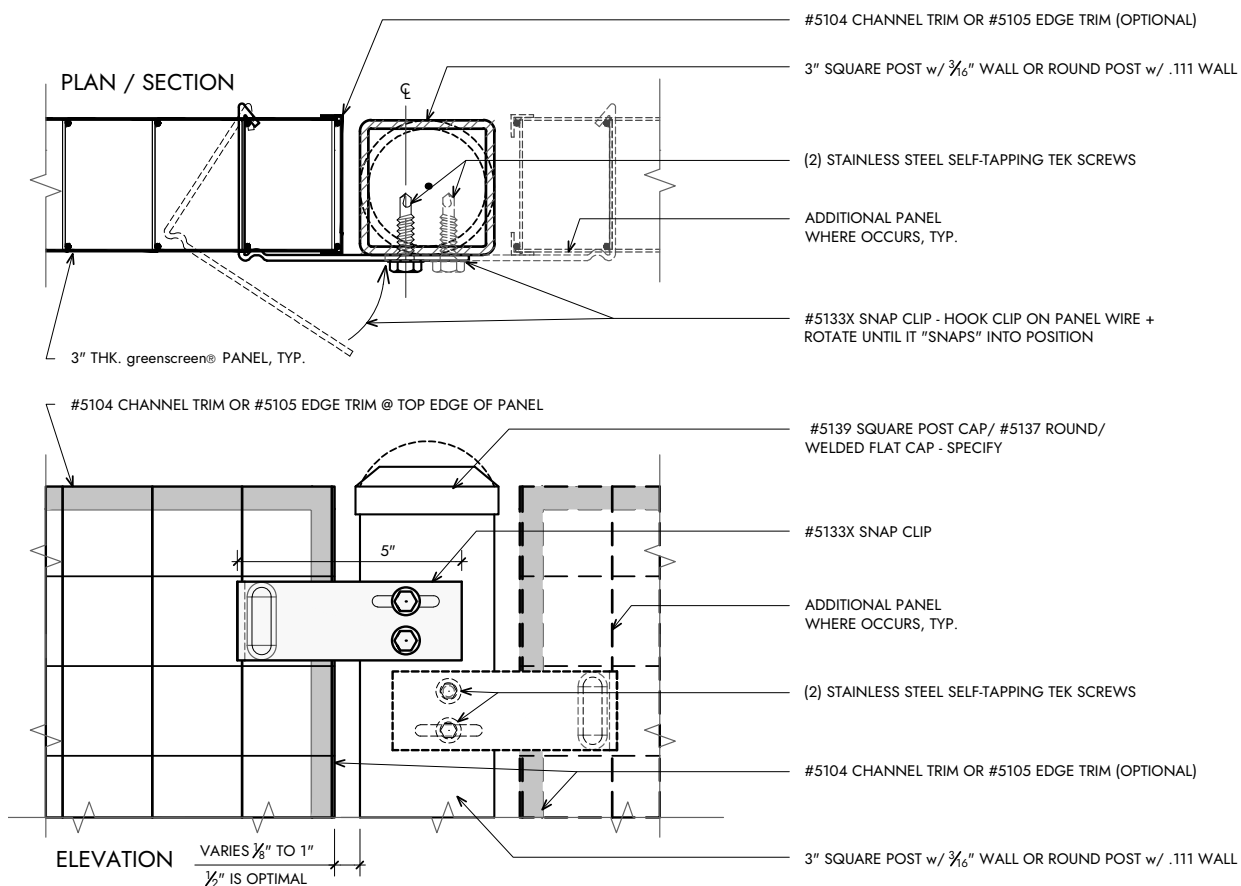
#5136.25 ROUND SPACER
¼" THICK x 1½" DIAMETER

#5131 FLEX "C" RING: USED AT PANEL TO PANEL SEAMS (WITHOUT TRIM) TO ALIGN THE PANEL GRID. OPTIONAL.

#5131 FLEX C RINGS
⅝" DIAMETER x 16 GAUGE STAINLESS STEEL

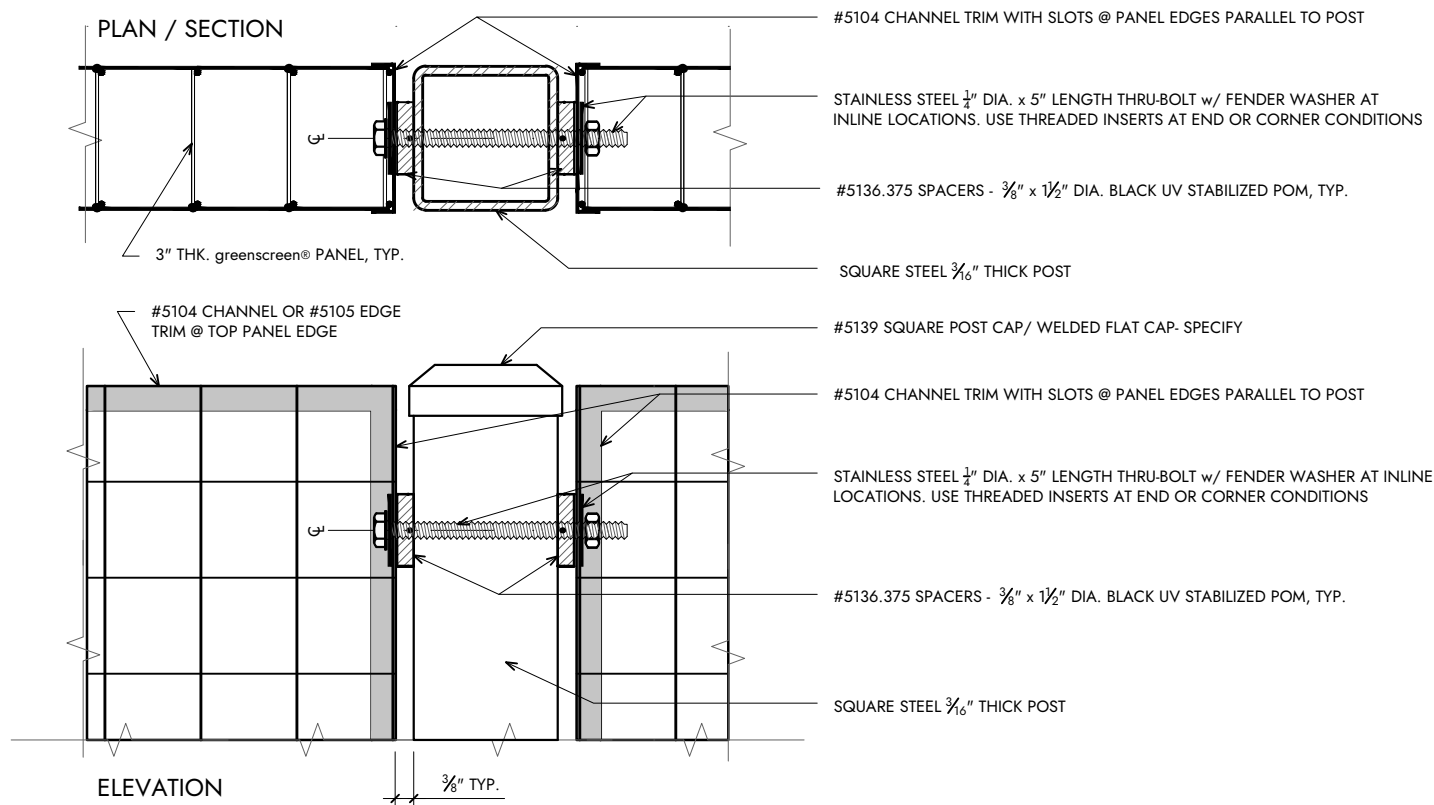


THE GREENSCREEN® #5133X SNAP CLIP CAN MOUNT TO SQUARE OR ROUND POSTS. TRIM PARALLEL TO THE POST IS OPTIONAL. ACCESS TO ONLY ONE SIDE OF THE PANEL IS NECESSARY. FOR MULTIPLE SIDE-BY-SIDE APPLICATIONS THE CLIPS ARE STAGGERED. FOR USE WITH 1/4" DIAMETER SELF-TAPPING SCREWS.



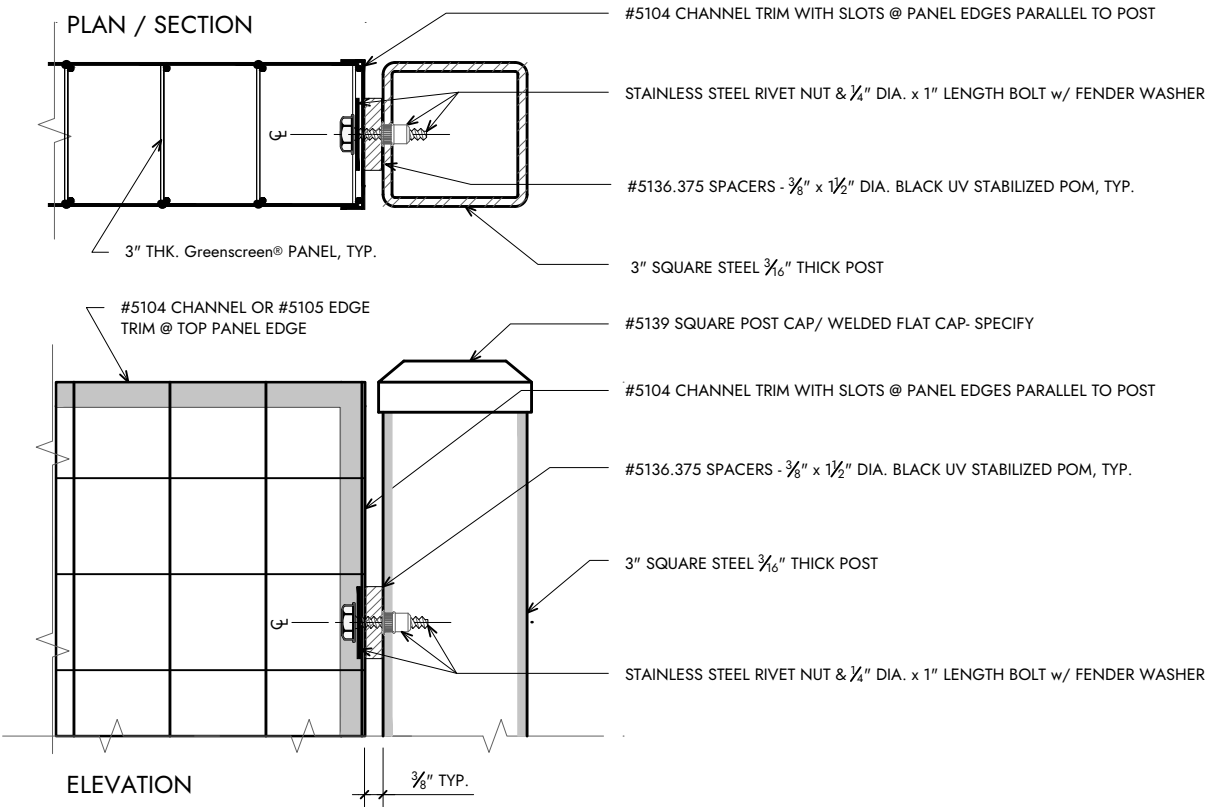
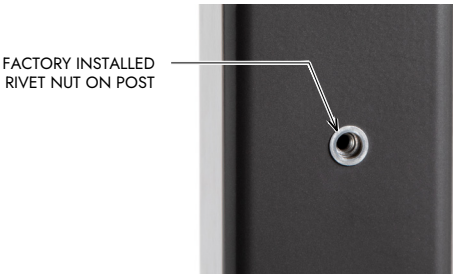


THE GREENSCREEN® CONCEALED FASTENER MOUNTS TO SQUARE POSTS AND REQUIRES #5104 CHANNEL TRIM AT EDGES PARALLEL TO POSTS. THIS MOUNTING METHOD PROVIDES A STREAMLINED AESTHETIC.





THE GREENSCREEN® CONCEALED FASTENER MOUNTS TO SQUARE POSTS AND REQUIRES #5104 CHANNEL TRIM AT EDGES PARALLEL TO POSTS. THIS MOUNTING METHOD PROVIDES A STREAMLINED AESTHETIC & EASIER TO INSTALL.



#5104 CHANNEL TRIM

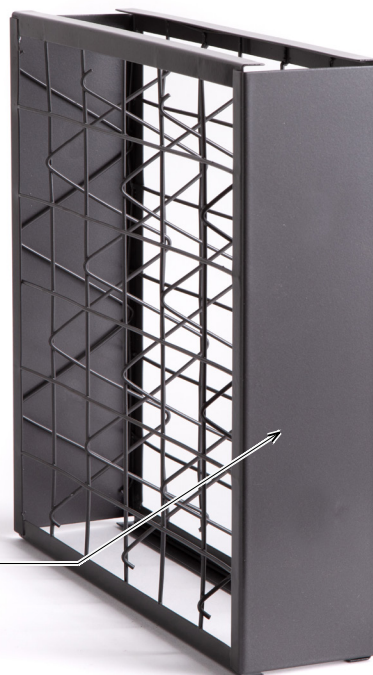
USED AS A CLOSURE STRIP AT EDGES OF GREENSCREEN® PANELS. RECOMMENDED ON PANEL EDGES ADJACENT TO PEDESTRIAN TRAFFIC OR WHERE EDGE REINFORCEMENT FOR PLANT MAINTENANCE IS DESIRED. NOT RECOMMENDED AT BOTTOM EDGE OF PANELS TO PREVENT POOLING OF WATER.

SIZE: 1/2" LEG x 3-1/8" WIDE x 1/2" LEG

MATERIALS: 20 GAUGE GALVANIZED STEEL

COLORS: FACTORY WELDED TO PANELS AND POWDER COATED IN ONE OF OUR STANDARD COLORS (CUSTOM COLORS AVAILABLE BY REQUEST)

#5104 STEEL CHANNEL TRIM



#5105 STEEL EDGE TRIM

#5105 EDGE TRIM

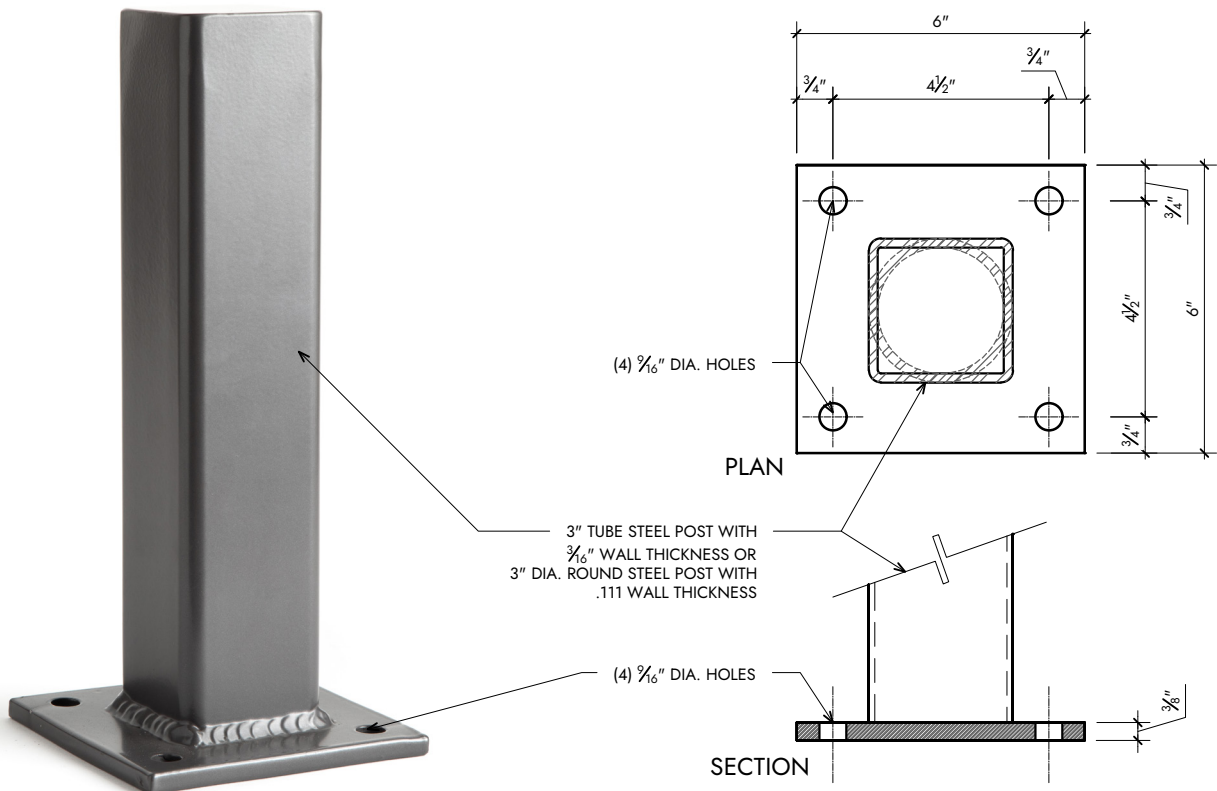
USED AS A CLOSURE STRIP AT EDGES OF GREENSCREEN® PANELS. RECOMMENDED ON PANEL EDGES ADJACENT TO PEDESTRIAN TRAFFIC OR WHERE EDGE REINFORCEMENT FOR PLANT MAINTENANCE IS DESIRED. USE ON TOP, SIDE OR BOTTOM EDGES.

SIZE: 1/2" LEG x 1/2" LEG

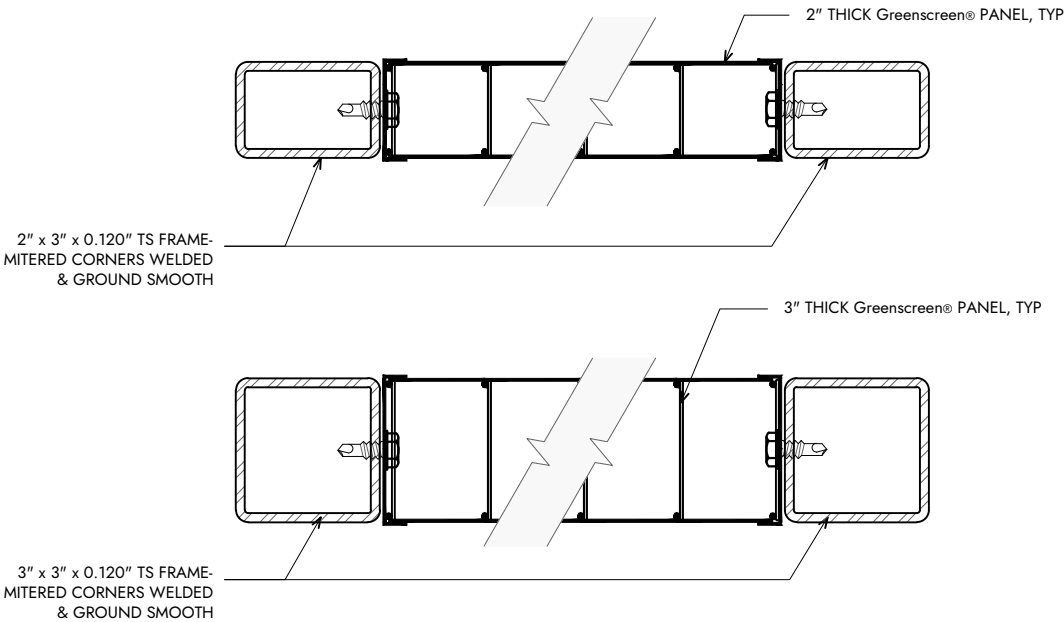
MATERIALS: 20 GAUGE GALVANIZED STEEL

COLORS: FACTORY WELDED TO PANELS AND POWDER COATED IN ONE OF OUR STANDARD COLORS (CUSTOM COLORS AVAILABLE BY REQUEST)

NOTE: TRIM IS NOT NEEDED AT PANEL TO PANEL SEAMS. EXCEPTION - CRIMP TO CURVE PANELS



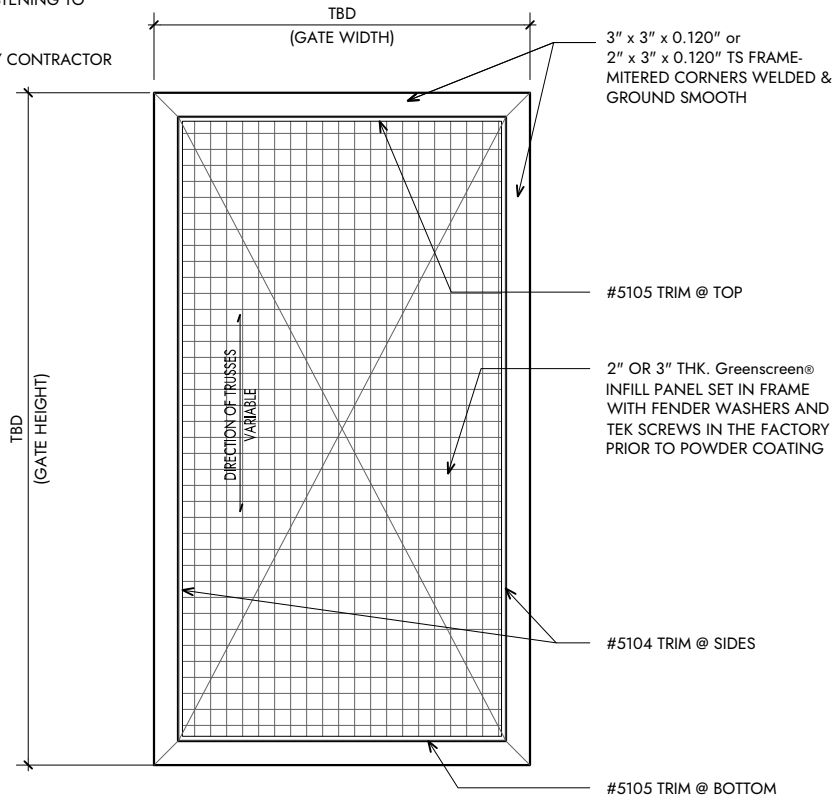
- STANDARD SIZES: 8" x 8" x 1/2" -AND- 6" x 6" x 3/8"
- CUSTOM BASE PLATES ARE AVAILABLE UPON REQUEST
- PROJECT ENGINEER SHOULD SPECIFY BASE PLATE DESIGN BASED ON WIND LOADS, OVERALL HEIGHT AND LOCAL BUILDING CODES.
- MUST BE VERIFIED BY EOR, INSTALLERS ENGINEER, OR OUR THIRD PARTY ENGINEER.



NOTE:
GATE HARDWARE IS TO BE SPECIFIED AND
PROVIDED BY OTHERS BASED ON SITE
CONDITIONS.

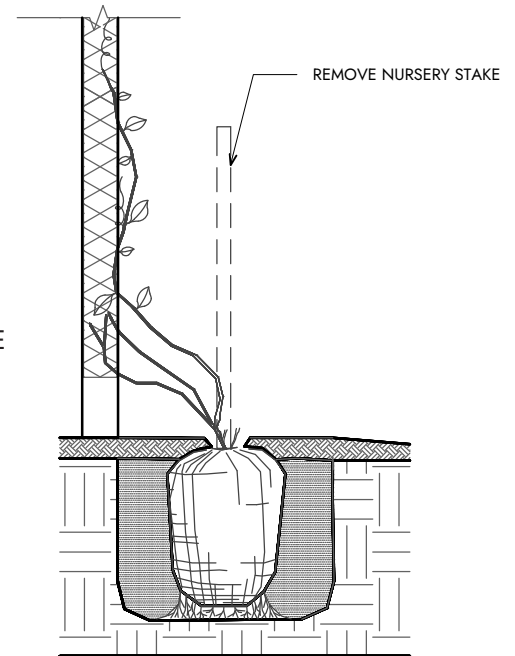
Greenscreen® DOES NOT SUPPLY HINGES,
LOCKSETS OR ANY OTHER HARDWARE FOR THE
GATE. CONTRACTOR TO ATTACH ALL
HARDWARE IN THE FIELD. Greenscreen®
RECOMMENDS MECHANICAL FASTENING TO
GATE FRAME.

FINAL SIZE TO BE DETERMINED BY CONTRACTOR
BASED ON HINGE & LOCK TYPES.

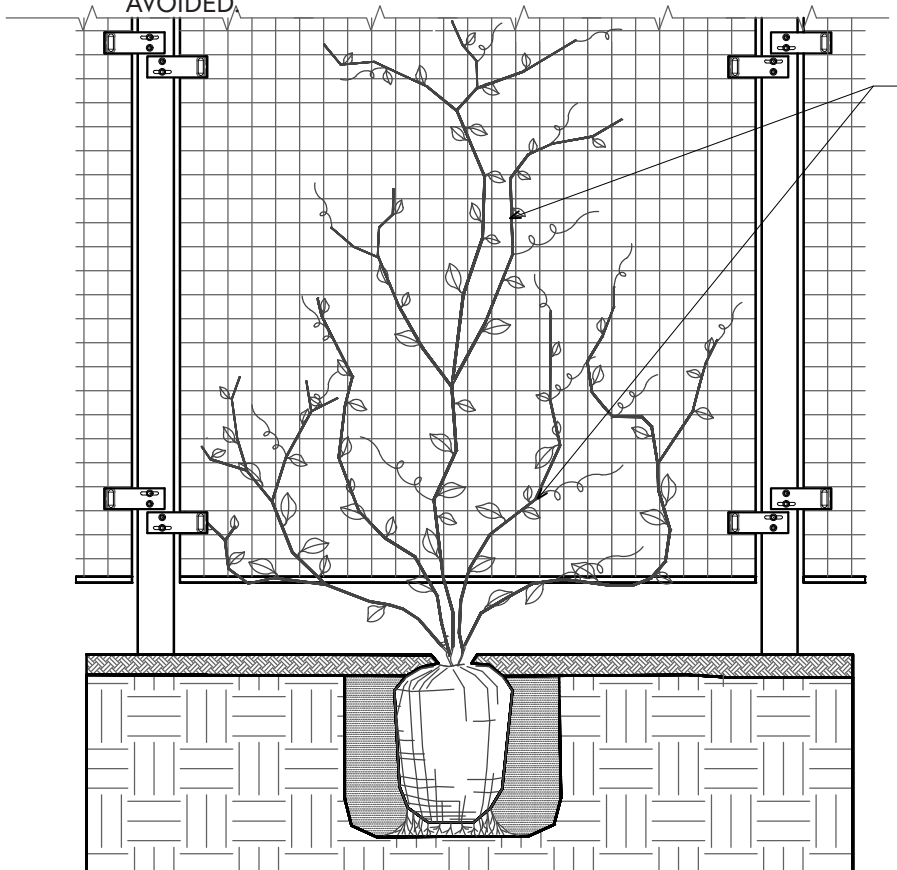


VINE CONSIDERATIONS

- VINES THAT GROW BY TWINING ARE BEST FOR GREENSCREEN® SUCH AS HONEYSUCKLE, JASMINE, TRUMPET VINE, FIVELEAF AKEBIA AND CLEMATIS.
- SCRAMBLING VINES SUCH AS ROSA BANKSIAE AND BOUGAINVILLEA DO WELL ON GREENSCREEN® BUT REQUIRE ADDITIONAL MAINTENANCE/PRUNING.
- VINES THAT GROW BY "SUCTION CUPS" OR "AERIAL ROOTS", SUCH AS VIRGINIA CREEPER, SHOULD BE AVOIDED FOR POST MOUNTED APPLICATIONS, HOWEVER THESE TYPES OF VINES ARE ACCEPTABLE FOR POST MOUNTED APPLICATIONS. AS LONG AS THE INSTALLATION IS NOT NEAR A WALL
- GREENSCREEN® RECOMMENDS THAT A LANDSCAPE ARCHITECT, OR HORTICULTURIST BE CONSULTED FOR EACH SPECIFIC APPLICATION.
- CHOOSING THE APPROPRIATE VINE REQUIRES CAREFUL CONSIDERATION OF CLIMATE ZONE, SUN EXPOSURE AND DESIRED VISUAL EFFECT.
- WHEN SELECTING VINES, NATIVES SHOULD BE GIVEN PREFERENCE AND SPECIES THAT ARE CONSIDERED INVASIVE SHOULD BE AVOIDED.



SECTION



ELEVATION

WEAVE VINE BRANCHES INTO SCREEN, STARTING AT BOTTOM. TIE LARGER BRANCHES LOOSELY TO SCREEN WITH BIO-DEGRADABLE TIES.

GENERAL NOTES

- FOR PROJECT SPECIFIC PLANTING DETAILS REFER TO LANDSCAPE/CIVIL DRAWINGS.
- THE CROWN OF THE VINE IS TYPICALLY PLANTED $\pm 12"$ FROM FACE OF PANEL.
- TYPICAL VINE SPACING VARIES FROM 1' TO 4' O.C. DEPENDING UPON VINE SPECIES AND CONTAINER SIZE.
- IRRIGATION WILL BE REQUIRED IN MOST CLIMATE ZONES.
- GREENSCREEN® DOES NOT PROVIDE DESIGN SERVICES FOR PLANTING, IRRIGATION OR DRAINAGE.
- GREENSCREEN® DOES NOT SUPPLY PLANT MATERIAL OR INSTALLATION.

PANEL WEIGHT

The 3" thick panels weigh .70 pounds per square foot. #5104 channel trim adds .50 pounds per lineal foot and #5105 edge trim adds .30 pounds per lineal foot. The weight of plant materials grown on the panels is an issue that has been analyzed on previously completed projects. There are a number of variables that affect the overall weight; including type of plant material, level of maturity, and moisture content. We have taken what we assume to be the worst case scenario which accounts for panel weight with full perimeter #5104 channel trim and fully mature vines on a cold wet day. In this case it has been our experience that this weight would never exceed between 2 to 3 pounds per square foot. (Refer to ASTM E 2397, Report Annex, p.4, Plant Weight).

PANEL OPENNESS

It has been calculated that a standard 4' x 8' panel without any plant growth gives 8.25% coverage in elevation, meaning the panel is 91.75% open. However, most engineers when calculating wind loads, consider the panel to have 50% blow-through when fully covered with mature plant material. Plant material is frangible, and will be removed at higher wind speeds.

WIND EFFECTS ON PANELS

It is assumed that plant material is frangible and will blow off in a mild wind long before hurricane speeds are reached (a 140 mph 3 second gust is considered to be a low category 3 hurricane.) What this means is that as the wind blows harder it will remove more and more plant material, thereby controlling the amount of lateral wind pressure to an indeterminate amount. Furthermore, loss of plant material will also decrease the vertical load on the mounting clips more and more as wind speeds increase. Lastly, it should be noted that the G_{cpi} (internal pressure coefficient) is 0 when considering an Exposure C location.

PANELS ARE NOT CLADDING

The panels do NOT meet the definitions of "Main Wind Force Resisting Systems" or "Components and Cladding" (Building Envelope) as given in section 26.2 of ASCE 7-10. This means that the panels are not required to be designed for wind resistance.

WIND LOAD RESISTANCE QUALIFIER

Generally vegetated Greenscreen® panels will adequately resist wind load when mounted to structure according to our recommendations. Rooftops and conditions >20 feet above ground involve higher wind speed and may require engineering calculations to validate the panel size, span, and number and type of clips and their fastening method. If required, we are able to provide stamped calculations to validate the Greenscreen® application in a given wind speed. We do not design or provide engineering for the structural support system.