

# KNOTWOOD - GENERIC SCREEN SHOP DRAWINGS

### PROPERTY MANAGER: PER ARCHITECT / ENGINEER

#### **DESIGN ENGINEER**:

COMPLETE JOINT PENETRATION

CLR

**PVE, LLC**2000 GEORGETOWN DRIVE, SUITE 101
SEWICKLEY, PA 15143

**ELEVATOR** 

EMBED EMBEDMENT

| <b>DRAWIN</b> | IG LIS | <u>ST</u>                                   | LATEST REVISION | DATE |
|---------------|--------|---|-----------------|------|
| T-100         | -      | TITLE SHEET                                 |                 |      |
| G-100         | -      | GENERAL NOTES                               |                 |      |
| A-100         | -      | HORIZONTAL SCREENS W/ 2-WAY POST            |                 |      |
| A-101         | -      | HORIZONTAL SCREENS W/ 2-WAY POST DETAILS    |                 |      |
| A-200         | -      | VERTICAL SCREENS W/ 2-WAY POST              |                 |      |
| A-201         | -      | VERTICAL SCREENS W/ 2-WAY POST & CONT. RAIL |                 |      |
| A-202         | -      | VERTICAL SCREENS W/ 2-WAY POST DETAILS      |                 |      |
| A-300         | -      | HORIZONTAL SCREENS W/ 4X4 POSTS             |                 |      |
| A-301         | -      | HORIZONTAL SCREENS W/ 4X4 POST DETAILS      |                 |      |
| A-400         | -      | VERTICAL SCREENS W/ 4X4 POST                |                 |      |
| A-401         | -      | VERTICAL SCREENS W/ 4X4 POST DETAILS        |                 |      |

| <u>ABBREVIA</u> | ATIONS:                                  | <u>ABBREVIA</u> | ATIONS (CONT.):                                | <u>ABBREVI</u> | ATIONS (CONT.):            | <u>ABBREVIA</u> | ATIONS (CONT.):              | <u>ABBREVI</u> | ATIONS (CONT.):              | <u>ABBREVI</u> | ATIONS (CONT.):                   |
|-----------------|--|-----------------|--|----------------|----------------------------|-----------------|------------------------------|----------------|------------------------------|----------------|-----------------------------------|
| ABV             | ABOVE                                    | CLSM            | CONTROLLED LOW STRENGTH MATERIAL               | EOS            | EDGE OF SLAB               | kN              | KILONEWTON                   | (N)            | NEW                          | SOG            | SLAB-ON-GRADE                     |
| ACI             | AMERICAN CONCRETE INSTITUTE              | CMU             | CONCRETE MASONRY UNIT                          | EQ             | EQUAL                      | kPa             | KILOPASCAL                   | OC             | ON CENTER                    | STD            | STANDARD                          |
| ACIP            | AUGERED CAST-IN-PLACE PILES              | CO              | CLEAN OUT                                      | EQUIP          | EQUIPMENT                  | 1               | LITER                        | OPNG           | OPENING                      | STL            | STEEL                             |
| ADD'L           | ADDITIONAL                               | COL             | COLUMN   | EW             | EACH WAY                   | L               | LENGTH                       | OPP            | OPPOSITE                     | STRUCT         | STRUCTURAL                        |
| AE              | AIR-ENTRAINED                            | CONC            | CONCRETE                                       | EXIST          | EXISTING                   | LBS             | POUNDS                       | O.F.           | OUTER FACE                   | Т              | TOP OF TREAD                      |
| AISC            | AMERICAN INSTITUTE OF STEEL CONSTRUCTION | CONT            | CONTINUOUS                                     | EXP            | EXPANSION                  | Ld              | REINF BAR DEVELOPMENT LENGTH | PJP            | PARTIAL JOINT PENETRATION    | T/             | TOP OF                            |
| ANSI            | AMERICAN NATIONAL STANDARDS INSTITUTE    | COORD           | COORDINATE                                     | FT             | FOOT/FEET                  | LLH             | LONG LEG HORIZ               | PSF            | POUNDS PER SQUARE FOOT       | TOF            | TOP OF FOOTING                    |
| APPROX          | APPROXIMATELY                            | COTR            | CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE | FTG            | FOOTING                    | LLV             | LONG LEG VERT                | PSI            | POUNDS PER SQUARE INCH       | TOS            | TOP OF STEEL                      |
| AR              | ANCHOR ROD                               | db              | REINFORCING BAR DIAMETER                       | FE             | FIRE ESCAPE                | LP              | LOW POINT                    | PT             | POST-TENSION                 | THK            | THICK                             |
| ARCH            | ARCHITECTURAL                            | DIA             | DIAMETER                                       | GALV           | GALVANIZE                  | LTWT            | LIGHT WEIGHT                 | R              | RISER                        | TMS            | THE MASONRY SOCIETY               |
| ASCE            | AMERICAN SOCIETY OF CIVIL ENGINEERS      | DN              | DOWN   | GL             | GRIDLINE                   | m               | METER                        | REF            | REFERENCE                    | TYP            | TYPICAL                           |
| ASTM            | AMERICAN SOCIETY FOR TESTING & MATERIALS | DTLS            | DETAILS  | Н              | HIGH                       | mm              | MILLIMETER                   | REINF          | REINFORCING OR REINFORCEMENT | UNO            | UNLESS NOTED OTHERWISE            |
| AWS             | AMERICAN WELDING SOCIETY                 | DWG             | DRAWING  | HORIZ          | HORIZONTAL                 | MAX             | MAXIMUM                      | REQ'D          | REQUIRED                     | VERT           | VERTICAL                          |
| В               | воттом                                   | DWLS            | DOWELS   | HP             | HIGH POINT                 | MANUF           | MANUFACTURER                 | SCHED          | SCHEDULE                     | W/C            | WATER-CEMENTITIOUS MATERIAL RATIO |
| B/              | BOTTOM OF                                | E               | EXISTING                                       | HS             | HIGH STRENGTH              | MECH            | MECHANICAL                   | SC             | SLIP CRITICAL                | W              | WIDTH                             |
| ВН              | BULKHEAD                                 | EA              | EACH   | HSA            | <b>HEADED SHEAR ANCHOR</b> | MEP             | MECH/ELECT/PLUMBING          | SDI            | STEEL DECK INSTITUTE         | WD             | WOOD                              |
| BLDG            | BUILDING                                 | EF              | EACH FACE                                      | IN             | INCH(ES)                   | MIN             | MINIMUM                      | SDL            | SUPERIMPOSED DEAD LOAD       | WP             | WORK POINT                        |
| BM              | BEAM                                     | EL              | ELEVATION                                      | IP             | INFLECTION POINT           | MPa             | MEGAPASCAL                   | SEC            | SECONDS                      | WWR            | WELDED WIRE REINFORCEMENT         |
| BOT             | воттом                                   | ELECT           | ELECTRICAL                                     | I.F.           | INSIDE FACE                | MTL             | METAL                        | SIM            | SIMILAR                      |                |                                   |

KIPS (1000 POUNDS)

NEWTON

NORMAL WEIGHT

STEEL JOIST INSTITUTE

SHORT LED (DIM) VERTICAL

PREPARED FOR:

KNOTWOOD

Stunning Aluminum

5555 W Roosevelt St

Phoenix, AZ 85043

ISSUED FOR:

ISSUED DATE:

05/15/2024

NO. DATE DESCRIPTION

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PROJECT NAME:

KNOTWOOD - GENERIC SCREENS SHOP DRAWINGS

PROJECT LOCATION:

DRAWING NAME:

TITLE SHEET

SEAL & SIGNATURE

PROJECT NO:

2110314

DRAWN BY:

CHECKED BY:

DRAWING NO:

T\_100

## 2000 GEORGETOWN DRIVE, SUITE 101 PHONE: (724)-444-1100 FAX: (7724) 444-1104 FAX: (7724) 444-1

#### **GENERAL NOTES:**

1. **DRAWING REFERENCE:** 

2. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO INSTALLATION. DO NOT SCALE OFF DRAWINGS.

3. ALL MEMBERS SHALL BE SAW CUT IN FIELD AS REQUIRED.

4. NO SPLICES SHALL BE PERMITTED UNLESS INDICATED OTHERWISE ON DRAWINGS.

5. TOUCH UP ALL SCRATCHES WITH DEALER PROVIDED COLORS TO MATCH.

6. WELDING IS NOT PERMITTED, UNLESS OTHERWISE INDICATED ON DRAWINGS.

7. THE CONTENTS SHOW THE APPLICATION OF ALUMINUM KNOTWOOD FRAMING COMPONENTS ONLY. THE INSTALLING CONTRACTOR IS TO REFER TO THE PROJECT DOCUMENTS FOR ADDITIONAL REQUIREMENTS.

8. DIMENSIONS HEREIN ARE FOR ENGINEERING PURPOSES ONLY AND MUST BE REVIEWED FOR THE PURPOSE OF APPROVAL. ALL CONDITIONS ARE SUBJECT TO APPROVAL AND TO FIELD VERIFICATION PRIOR TO FABRICATION OR INSTALLATION.

9. BEFORE ORDERING, FABRICATING OR ERECTING ANY MATERIAL, MAKE ANY NECESSARY SURVEYS AND MEASUREMENTS TO VERIFY THAT IN PLACE WORK HAS BEEN BUILT ACCORDING TO THE CONTRACT DOCUMENTS AND ARE WITHIN ACCEPTABLE TOLERANCES. THIS INCLUDES THE ORIGINAL BUILDINGS AND ALL ADDITIONS THERETO. NOTIFY THE A/E AND OWNER'S REPRESENTATIVES OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

10. TEMPORARY BRACING OF THE SYSTEM AND SAFETY DURING CONSTRUCTION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. TEMPORARY BRACING OF THE SYSTEM SHALL REMAIN IN PLACE UNTIL THE SYSTEM IS TOTALLY IN PLACE. CONTRACTOR SHALL COORDINATE LOCATIONS OF TEMPORARY BRACING WITH OTHER CONTRACTORS. REFER TO DRAWINGS FOR ADDITIONAL CRITERIA.

11. THIS SUBMITTAL IS SUBJECT TO THE REVIEW AND APPROVAL OF THE PROJECT ARCHITECT/ENGINEER OF RECORD PRIOR TO INSTALLATION.

#### **BUILDING LOADS:**

1. SUPERIMPOSED DEAD LOAD AND LIVE LOADS

a. DEAD LOAD

| DEAL | DLUAD        |          |
|------|--------------|----------|
| 1.   | KESG100100   | 2.77 PLF |
| 2.   | KESP2W6565   | 1.72 PLF |
| 3.   | KESP2C6565EF | 1.37 PLF |
| 4.   | KESP1W6525   | 0.96 PLF |
| 5.   | KESP3030     | 0.39 PLF |
| 6.   | KES15016     | 0.90 PLF |
| 7.   | KES10016     | 0.60 PLF |
|      |              |          |

b. LIVE LOADS

1. SEE TABLES ON FOLLOWING SHEETS

2. NOTE - SCREENS CONTAINED WITHIN NOT DESIGNED FOR GUARDRAIL LOADS. PLEASE SEE GENERIC GUARDRAIL DETAILS IN SEPARATE PACKAGE FOR ALLOWABLE LOADS FOR ANY GUARDRAIL APPLICATION.

2. SNOW LOADS

a. N/A - SNOW LOADS NEGLECTED

B. WIND

a. WIND PRESSURES CONSIDERED - SEE TABLES ON FOLLOWING SHEETS

4. SEISMIC

a. N/A - SEISMIC LOADS NEGLECTED

#### CODES AND STANDARDS:

1. THE FOLLOWING CODES AND STANDARS, INCLUDING ALL SPECIFICATIONS REFFERENCED WITHIN, APPLY TO THE DESIGN AND CONSTRUCTION OF THIS PROJECT WITH LATEST EDITION PER GOVERNING BUILDING CODE TO BE USED:

a. ASCE 7-16, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES"

b. IBC 2018, "INTERNATIONAL BUILDING CODE"

. AA ADM-2015 "ALUMINUM DESIGN MANUAL"

ACI 318-14. "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"

e. 7TH EDITION - 2020 FLORIDA BUILDING CODE

#### **ALUMINUM NOTES:**

**1.** ALL STRUCTURAL ALUMINUM COMPONENTS SHALL BE FABRICATED AND ERECTED ACCORDING TO THE GOVERNING BUILDING CODE AND ADM-2015.

2. MATERIAL NOTES:

ALL SHAPES SHALL BE ONE OF THE FOLLOWING ALUMINUM ALLOYS AND TEMPERS:

6061-T66063-T66063-T5 $F_y$ : 35 KSI $F_y$ : 25 KSI $F_y$ : 16 KSI $F_u$ : 38 KSI $F_u$ : 30 KSI $F_u$ : 22 KSIE:  $10x10^3$  KSIE:  $10x10^3$  KSIE:  $10x10^3$  KSI

3. SCREWS:

SELF-TAPPING METAL SCREWS (AS NOTED) - #10 MINIMUM GALVANIZED UNLESS NOTED OTHERWISE ALUMINUM WHERE NOTED AT HIGH/SALT EXPOSURE

4. WHERE ALUMINUM IS IN CONTACT WITH OTHER METALS EXCEPT 300 SERIES STAINLESS TELL, ZINC OR CADMIUM AND THE FAYING SURFACES ARE EXPOSED TO MOISTURE, THE OTHER METALS SHALL BE PAINTED OR COATED WITH ZINC, CADMIUM, OR ALUMINUM.

5. UNCOATED ALUMINUM SHALL NOT BE EXPOSED TO MOISTURE OR RUNOFF THAT HAS COME IN CONTACT WITH OTHER UNCOATED METALS EXCEPT 300 SERIES STAINLESS, ZINC, OR CADMIUM.

6. ALUMINUM SURFACES TO BE PLACED IN CONTACT WITH WOOD, FIBERBOARD, OR OTHER POROUS MATERIAL THAT ABSORBS WATER SHALL BE PAINTED.

7. ALUMINUM SURFACES SHALL BE PAINTED IF THEY ARE TO BE PLACED IN CONTACT WITH CONCRETE OR MASONRY UNLESS THE CONCRETE OR MASONRY REMAINS DRY AFTER CURING AND NO CORROSIVE ADDITIVES SUCH AS CHLORIDES ARE USED.

8. ALUMINUM SHALL NOT BE EMBEDDED IN CONCRETE WITH CORROSIVE ADDITIVES SUCH AS CHLORIDES IF THE ALUMINUM IS ELECTRICALLY CONNECTED TO STEEL. ALUMINUM EMBEDDED IN CONCRETE SHALL BE WRAPPED WITH 10 MIL PIPE WRAP OR PLASTIC TAPE. WRAP MUST PROTECT ALL ALUMINUM SURFACES FROM EXPOSURE TO CONCRETE.

9. AS AN ALTERNATIVE TO THE PREVIOUS REQUIREMENTS FOR ALUMINUM IN CONTACT WITH OTHER MATERIALS, ALUMINUM SHALL BE SEPARATED FROM THE MATERIALS OF THIS SECTION BY A NONPOROUS ISOLATOR COMPATIBLE WITH THE ALUMINUM AND THE DISSIMILAR MATERIAL.

10. STEEL FASTENERS WITH A MINIMUM TENSILE ULTIMATE STRENGTH GREATER THAN 120 KSI IN THE LOAD BEARING PORTION OF THE SHANK SHALL NOT BE USED IN CONTACT WITH ALUMINUM. ALL FASTENERS SHALL BE LOCATED AT A SPACING THAT CONFORMS TO AISC STANDARD GAGE AND PITCH.

11. BOLT HOLES SHALL BE DRILLED THE SAME NOMINAL DIAMETER AS THE BOLT + 1/16" (U.O.N.).

12. PREDRILL ALL HOLES FOR MATERIAL THICKER THAN 3/16".

13. NOMINAL DIAMETER OF UNTHREADED HOLES FOR SCREWS SHALL NOT EXCEED THE NOMINAL DIAMETER OF THE SCREWS BY MORE THAN 1/16".

14. THE SPACING BETWEEN SCREW CENTERS SHALL NOT BE LESS THAN 2.5 TIMES THE NOMINAL DIAMETER OF THE SCREWS.

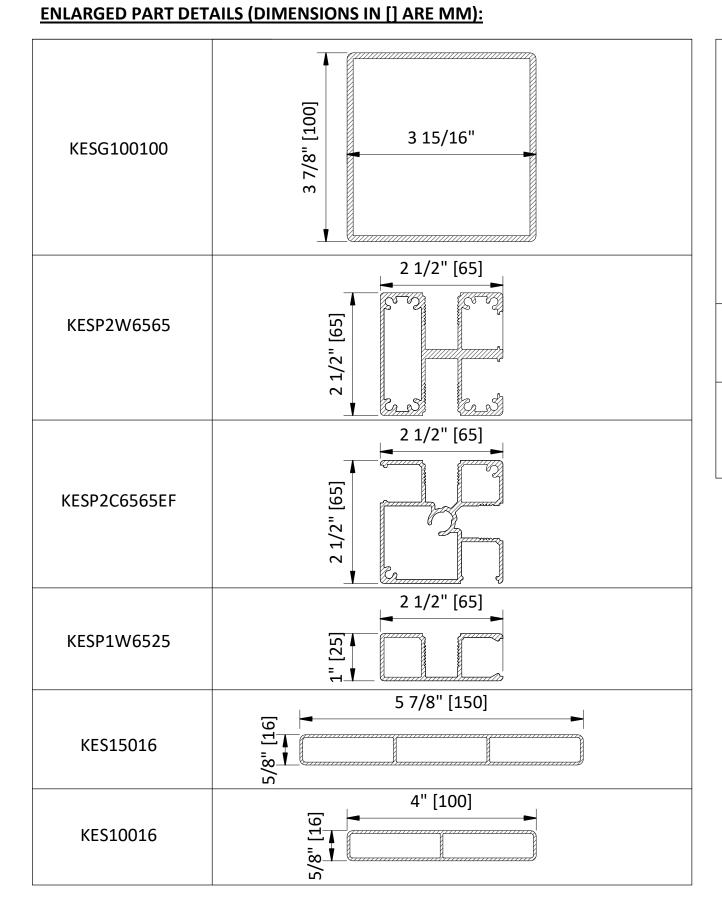
15. THE DISTANCE FROM THE EDGE OF A PART TO THE CENTER OF THE SCREWS SHALL NOT BE LESS THAN 1.5 TIMES THE NOMINAL DIAMETER OF THE SCREW.

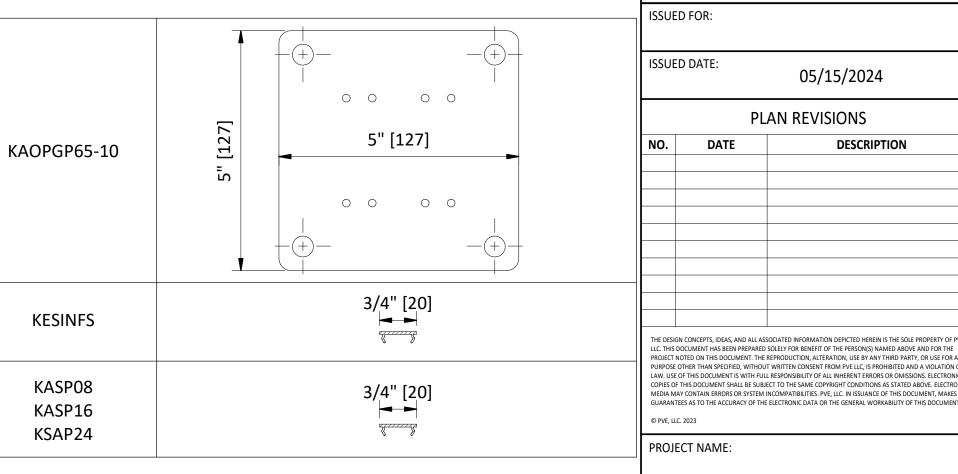
16. WASHERS SHALL HAVE A NOMINAL DIAMETER NOT LESS THAN 5/16" AND SHALL HAVE A NOMINAL THICKNESS NOT LESS THAN 0.050".

#### **TYPICAL SCREW FASTENER LEGEND:**

NOTE: SCREWS SHOWN BELOW ARE TYPICAL EXAMPLES AND ALL MAY NOT BE USED IN PROJECT. CONTRACTOR MAY ELECT TO USE OTHER TYPES. SCREW MATERIAL PER THE GENERAL NOTES AND MINIMUM SCREW DIAMETER PER THE DETAILS MUST BE MAINTAINED. DRILL POINT, HEAD STYLE, AND THREAD COUNT PER INCH SHALL BE SELECTED BY THE CONTRACTOR BASED ON THE APPLICATION.

| #10-16X1" HEX WASHER HEAD (HWH) SELF DRILLING SCREW (5/16" HEX-HEAD) (METAL TO METAL) MANUF. PART NO. 10100HW3CS                                       | TRIANGLE FASTENER 1-800-486-1832 |
|--|----------------------------------|
| #12-24X1-1/2" SD5 PANCAKE HEAD SELF DRILLING SCREW (2/2 QUADREX DRIVE) (METAL TO METAL) MANUF. PART NO. CSSD5-#12X1-1/2"-PC-QX-F                       | SFS INTECT 1-800-234-4533        |
| #12-11X1" GP SELF DRILLING SCREW (2/2 QUADREX DRIVE) (THIN METAL) MANUF. PART NO. 12100SPCGCSTS  | TRIANGLE FASTENER 1-800-486-1832 |
| #10-16X5/8" BLAZER LO PROFILE PANCAKE HEAD<br>SELF DRILLING SCREW<br>(2/2 QUADREX DRIVE)<br>(METAL TO METAL)<br>MANUF. PART NO. CSSD5-#10X5/8"-PC-QX-F | TRIANGLE FASTENER 1-800-486-1832 |
| #10-13X2" GP SELF DRILLING SCREW (2/2 QUADREX DRIVE) (THIN METAL) MANUF. PART NO. 10200SPCGCSTS  | TRIANGLE FASTENER 1-800-486-1832 |
| #12-24X4-3/4" CONCEALOR SELF DRILLING SCREW (#3 SQUARE) (METAL THRU EPS TO METAL) MANUF. PART NO. 126750C35E   | TRIANGLE FASTENER 1-800-486-1832 |



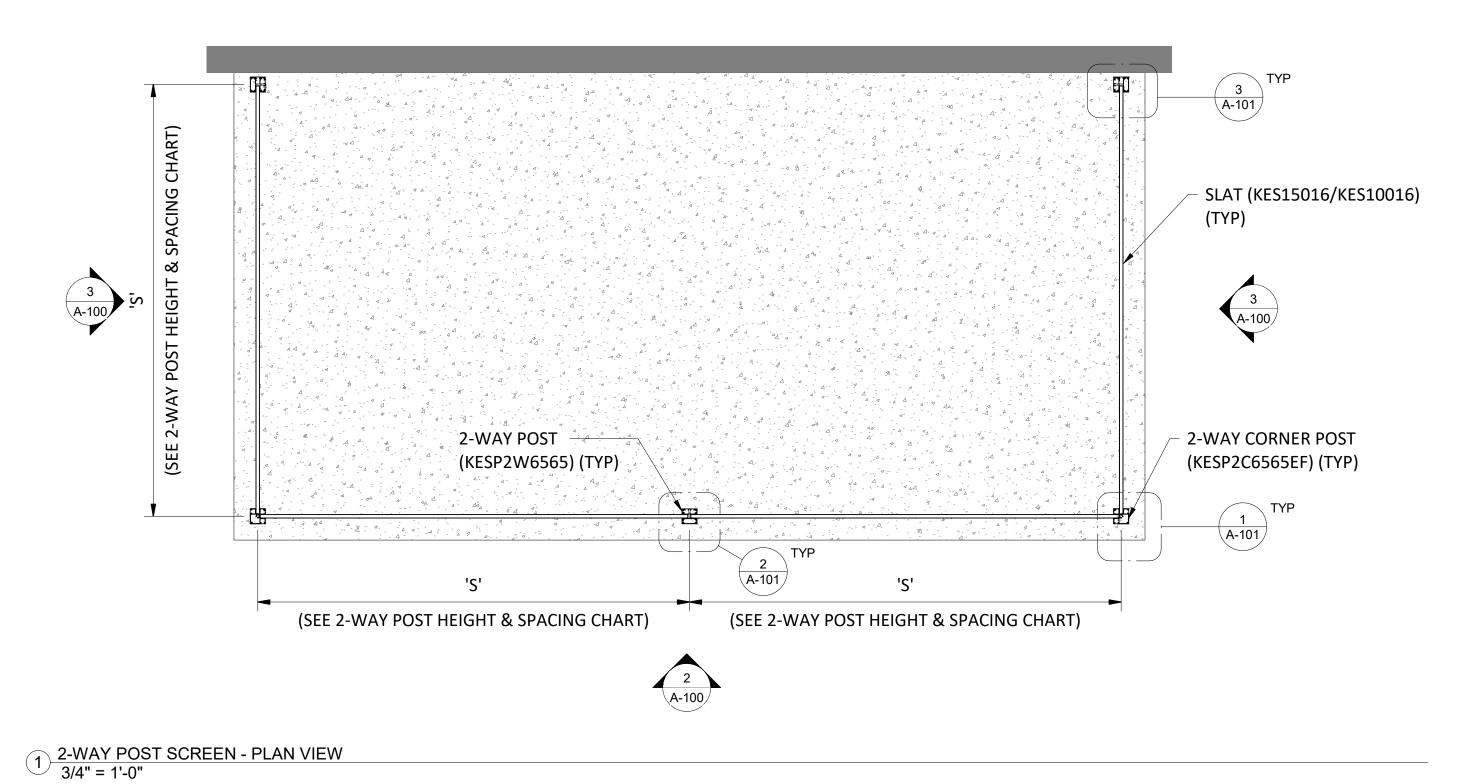


| LLC. THIS<br>PROJECT<br>PURPOSE<br>LAW. USE<br>COPIES O<br>MEDIA M | GM CONCEPTS, IDEAS, AND ALL AS<br>DOCUMENT HAS BEEN PREPARED<br>NOTEO ON THIS DOCUMENT. THE<br>OTHER THAN SPECIFIED, WITHOU<br>OF THIS DOCUMENT IS WITH FUL<br>F THIS DOCUMENT IS WITH FUL<br>THIS DOCUMENT SHALL BE SUBJUAY<br>CONTAIN ERRORS OR SYSTEM<br>TEES AS TO THE ACCURACY OF THI<br>CC. 2023 | SOLELY FOR BENEFIT OF<br>REPRODUCTION, ALTERA<br>IT WRITTEN CONSENT FRO<br>L RESPONSIBILITY OF ALL<br>ECT TO THE SAME COPYR<br>INCOMPATIBILITIES. PVE, | THE PERSON(S) NAME<br>TION, USE BY ANY THI<br>DM PVE LLC, IS PROHIE<br>INHERENT ERRORS OF<br>IGHT CONDITIONS AS:<br>LLC. IN ISSUANCE OF T | D ABOVE AND FOR THE<br>RD PARTY, OR USE FOR ANY<br>ITED AND A VIOLATION OF<br>8 OMISSIONS. ELECTRONIC<br>STATED ABOVE. ELECTRONIC<br>THIS DOCUMENT, MAKES NO |
|--|--|--|---|--|
| PROJ   | ECT NAME:  |  |   |  |
| ŀ  | (NOTWOOD   | - GENERIC<br>DRAWING   |   | IS SHOP  |
| PROJ   | ECT LOCATION:  |  |   |  |
| DRAV   | VING NAME:   |  |   |  |
|  | GE   | ENERAL N   | OTES  |  |
| SEAL   | & SIGNATURE  |  | PROJECT NO:   | 2110314  |
|  |  |  | DRAWN BY:   |  |
|  |  |  | CHECKED BY:   |  |
|  |  |  | DRAWING NO:   |  |
|  |  |  | G-  | -100   |

**I** KNOTWOOD

Stunning Aluminum

5555 W Roosevelt St Phoenix, AZ 85043

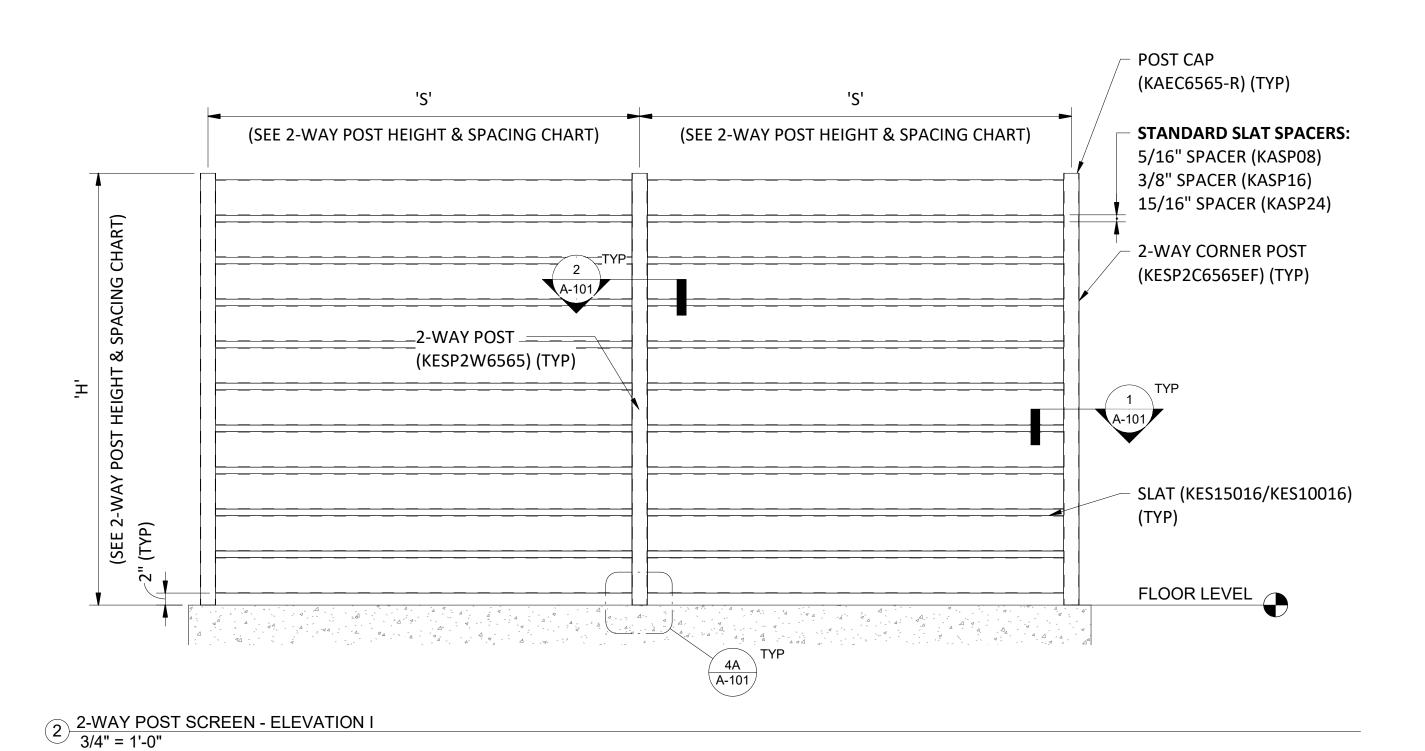


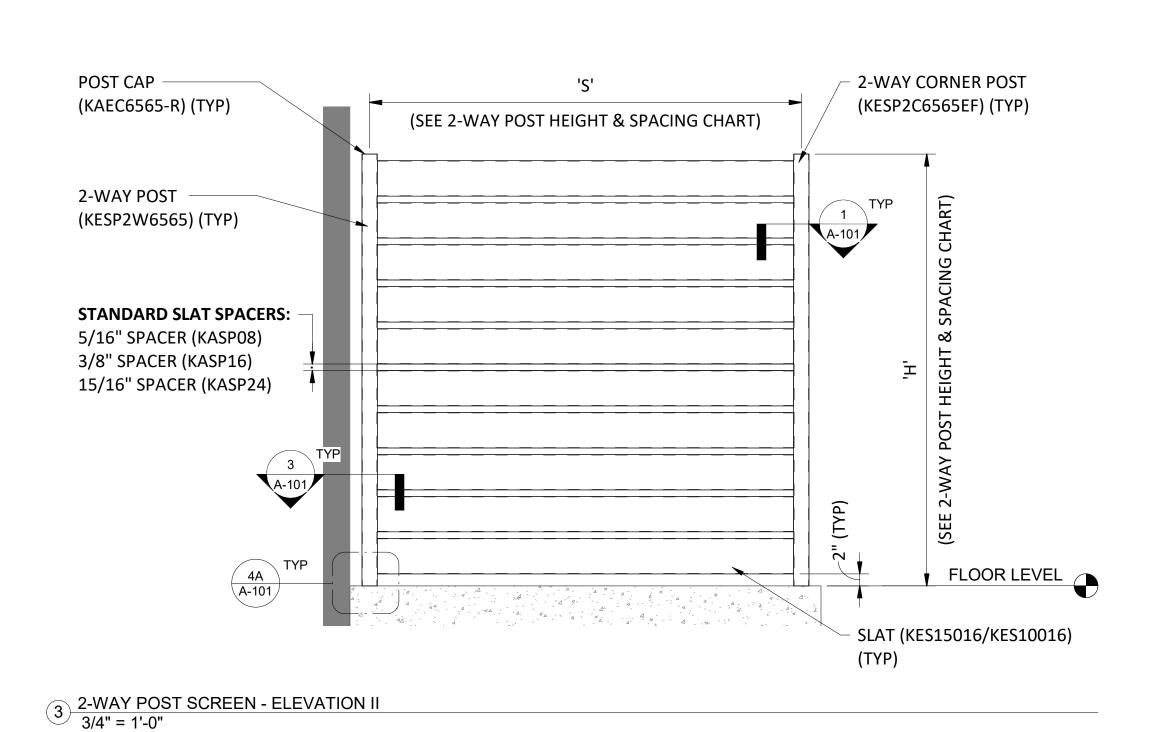
| POST HEIGHT 'H'<br>(MAX) | POST SPACING 'S' (MAX) <sup>1</sup> | MAX DESIGN<br>PRESSURE <sup>2</sup> | MAX WIND<br>PRESSURE <sup>3</sup> |
|--------------------------|-------------------------------------|-------------------------------------|-----------------------------------|
| 4'-0"                    | 3'-0"                               | 31 PSF                              | 52 PSF                            |
| 4'-0"                    | 4'-0"                               | 23 PSF                              | 39 PSF                            |
| 4'-0"                    | 5'-0"                               | 18 PSF                              | 31 PSF                            |
| 4'-0"                    | 6'-0"                               | 15 PSF                              | 26 PSF                            |
| 5'-0"                    | 3'-0"                               | 20 PSF                              | 33 PSF                            |
| 5'-0"                    | 4'-0"                               | 15 PSF                              | 25 PSF                            |
| 5'-0"                    | 5'-0"                               | 12 PSF                              | 20 PSF                            |
| 5'-0"                    | 6'-0"                               | 10 PSF                              | 16 PSF                            |
| 6'-0"                    | 3'-0"                               | 13 PSF                              | 23 PSF                            |
| 6'-0"                    | 4'-0"                               | 10 PSF                              | 17 PSF                            |
| 6'-0"                    | 5'-0"                               | 8.3 PSF                             | 13 PSF                            |
| 6'-0"                    | 6'-0"                               | 6.9 PSF                             | 11 PSF                            |
| 7'-0"                    | 3'-0"                               | 10 PSF                              | 17 PSF                            |
| 7'-0"                    | 4'-0"                               | 7.7 PSF                             | 12 PSF                            |
| 7'-0"                    | 5'-0"                               | 6.1 PSF                             | 10 PSF                            |
| 7'-0"                    | 6'-0"                               | 5.1 PSF                             | 8.5 PSF                           |
| 8'-0"                    | 3'-0"                               | 7.8 PSF                             | 13 PSF                            |
| 8'-0"                    | 4'-0"                               | 5.9 PSF                             | 9.8 PSF                           |
| 8'-0"                    | 5'-0"                               | 4.7 PSF                             | 7.8 PSF                           |
| 8'-0"                    | 6'-0"                               | 3.9 PSF                             | 6.5 PSF                           |

| 1. MAX POST SPACING BASED ON SOLID SCREEN WITH MINIMAL GAPS.     |
|--|
| 2. MAX ALLOWED ASD FACTORED LOAD FOR SCREEN AS DEFINED BY ASCE 7 |
| 3. MAX ULTIMATE WIND PRESSURE FOR SCREEN AS DEFINED BY ASCE 7.   |

| (MAX)         (MAX) <sup>1</sup> PRESSURE <sup>2</sup> PRESSURE <sup>2</sup> 4'-0"         3'-0"         39 PSF         65 PSF           4'-0"         4'-0"         29 PSF         49 PSF           4'-0"         5'-0"         23 PSF         39 PSF           4'-0"         6'-0"         19 PSF         32 PSF           5'-0"         3'-0"         25 PSF         42 PSF           5'-0"         4'-0"         19 PSF         31 PSF           5'-0"         5'-0"         15 PSF         25 PSF           5'-0"         6'-0"         12 PSF         21 PSF           6'-0"         3'-0"         17 PSF         29 PSF           6'-0"         4'-0"         13 PSF         22 PSF           6'-0"         5'-0"         10 PSF         17 PSF           6'-0"         6'-0"         8.8 PSF         14 PSF           7'-0"         3'-0"         12 PSF         21 PSF           7'-0"         5'-0"         7.7 PSF         12 PSF     < | POST HEIGHT 'H' | POST SPACING 'S'   | MAX DESIGN            | MAX WIND              |
|--|-----------------|--------------------|-----------------------|-----------------------|
| 4'-0"       29 PSF       49 PSF         4'-0"       5'-0"       23 PSF       39 PSF         4'-0"       6'-0"       19 PSF       32 PSF         5'-0"       3'-0"       25 PSF       42 PSF         5'-0"       4'-0"       19 PSF       31 PSF         5'-0"       5'-0"       15 PSF       25 PSF         5'-0"       6'-0"       12 PSF       21 PSF         6'-0"       3'-0"       17 PSF       29 PSF         6'-0"       4'-0"       13 PSF       22 PSF         6'-0"       5'-0"       10 PSF       17 PSF         6'-0"       6'-0"       8.8 PSF       14 PSF         7'-0"       3'-0"       12 PSF       21 PSF         7'-0"       3'-0"       12 PSF       16 PSF         7'-0"       5'-0"       7.7 PSF       12 PSF         7'-0"       6'-0"       6.5 PSF       10 PSF         8'-0"       3'-0"       9.9 PSF       16 PSF         8'-0"       4'-0"       7.4 PSF       12 PSF         8'-0"       5'-0"       5.9 PSF       9.9 PSF   | (MAX)           | (MAX) <sup>1</sup> | PRESSURE <sup>2</sup> | PRESSURE <sup>3</sup> |
| 4'-0"       5'-0"       23 PSF       39 PSF         4'-0"       6'-0"       19 PSF       32 PSF         5'-0"       3'-0"       25 PSF       42 PSF         5'-0"       4'-0"       19 PSF       31 PSF         5'-0"       5'-0"       15 PSF       25 PSF         5'-0"       6'-0"       12 PSF       21 PSF         6'-0"       3'-0"       17 PSF       29 PSF         6'-0"       4'-0"       13 PSF       22 PSF         6'-0"       5'-0"       10 PSF       17 PSF         6'-0"       6'-0"       8.8 PSF       14 PSF         7'-0"       3'-0"       12 PSF       21 PSF         7'-0"       3'-0"       9.7 PSF       16 PSF         7'-0"       5'-0"       7.7 PSF       12 PSF         8'-0"       3'-0"       9.9 PSF       16 PSF         8'-0"       4'-0"       7.4 PSF       12 PSF         8'-0"       5'-0"       5.9 PSF       9.9 PSF   | 4'-0"           | 3'-0"              | 39 PSF                | 65 PSF                |
| 4'-0"       6'-0"       19 PSF       32 PSF         5'-0"       3'-0"       25 PSF       42 PSF         5'-0"       4'-0"       19 PSF       31 PSF         5'-0"       5'-0"       15 PSF       25 PSF         5'-0"       6'-0"       12 PSF       21 PSF         6'-0"       3'-0"       17 PSF       29 PSF         6'-0"       4'-0"       13 PSF       22 PSF         6'-0"       5'-0"       10 PSF       17 PSF         6'-0"       8.8 PSF       14 PSF         7'-0"       3'-0"       12 PSF       21 PSF         7'-0"       4'-0"       9.7 PSF       16 PSF         7'-0"       5'-0"       7.7 PSF       12 PSF         7'-0"       6'-0"       6.5 PSF       10 PSF         8'-0"       3'-0"       9.9 PSF       16 PSF         8'-0"       4'-0"       7.4 PSF       12 PSF         8'-0"       5'-0"       5.9 PSF       9.9 PSF  | 4'-0"           | 4'-0"              | 29 PSF                | 49 PSF                |
| 5'-0"       3'-0"       25 PSF       42 PSF         5'-0"       4'-0"       19 PSF       31 PSF         5'-0"       5'-0"       15 PSF       25 PSF         5'-0"       6'-0"       12 PSF       21 PSF         6'-0"       3'-0"       17 PSF       29 PSF         6'-0"       4'-0"       13 PSF       22 PSF         6'-0"       5'-0"       10 PSF       17 PSF         6'-0"       6'-0"       8.8 PSF       14 PSF         7'-0"       3'-0"       12 PSF       21 PSF         7'-0"       3'-0"       9.7 PSF       16 PSF         7'-0"       5'-0"       7.7 PSF       12 PSF         7'-0"       6'-0"       6.5 PSF       10 PSF         8'-0"       3'-0"       9.9 PSF       16 PSF         8'-0"       4'-0"       7.4 PSF       12 PSF         8'-0"       5'-0"       5.9 PSF       9.9 PSF  | 4'-0"           | 5'-0"              | 23 PSF                | 39 PSF                |
| 5'-0"       4'-0"       19 PSF       31 PSF         5'-0"       5'-0"       15 PSF       25 PSF         5'-0"       6'-0"       12 PSF       21 PSF         6'-0"       3'-0"       17 PSF       29 PSF         6'-0"       4'-0"       13 PSF       22 PSF         6'-0"       5'-0"       10 PSF       17 PSF         6'-0"       6'-0"       8.8 PSF       14 PSF         7'-0"       3'-0"       12 PSF       21 PSF         7'-0"       4'-0"       9.7 PSF       16 PSF         7'-0"       5'-0"       7.7 PSF       12 PSF         7'-0"       6'-0"       6.5 PSF       10 PSF         8'-0"       3'-0"       9.9 PSF       16 PSF         8'-0"       4'-0"       7.4 PSF       12 PSF         8'-0"       5'-0"       5.9 PSF       9.9 PSF  | 4'-0"           | 6'-0"              | 19 PSF                | 32 PSF                |
| 5'-0"       5'-0"       15 PSF       25 PSF         5'-0"       6'-0"       12 PSF       21 PSF         6'-0"       3'-0"       17 PSF       29 PSF         6'-0"       4'-0"       13 PSF       22 PSF         6'-0"       5'-0"       10 PSF       17 PSF         6'-0"       6'-0"       8.8 PSF       14 PSF         7'-0"       3'-0"       12 PSF       21 PSF         7'-0"       4'-0"       9.7 PSF       16 PSF         7'-0"       5'-0"       7.7 PSF       12 PSF         7'-0"       6'-0"       6.5 PSF       10 PSF         8'-0"       3'-0"       9.9 PSF       16 PSF         8'-0"       4'-0"       7.4 PSF       12 PSF         8'-0"       5'-0"       5.9 PSF       9.9 PSF  | 5'-0"           | 3'-0"              | 25 PSF                | 42 PSF                |
| 5'-0"       6'-0"       12 PSF       21 PSF         6'-0"       3'-0"       17 PSF       29 PSF         6'-0"       4'-0"       13 PSF       22 PSF         6'-0"       5'-0"       10 PSF       17 PSF         6'-0"       8.8 PSF       14 PSF         7'-0"       3'-0"       12 PSF       21 PSF         7'-0"       4'-0"       9.7 PSF       16 PSF         7'-0"       5'-0"       7.7 PSF       12 PSF         7'-0"       6'-0"       6.5 PSF       10 PSF         8'-0"       3'-0"       9.9 PSF       16 PSF         8'-0"       4'-0"       7.4 PSF       12 PSF         8'-0"       5'-0"       5.9 PSF       9.9 PSF  | 5'-0"           | 4'-0"              | 19 PSF                | 31 PSF                |
| 6'-0"       3'-0"       17 PSF       29 PSF         6'-0"       4'-0"       13 PSF       22 PSF         6'-0"       5'-0"       10 PSF       17 PSF         6'-0"       6'-0"       8.8 PSF       14 PSF         7'-0"       3'-0"       12 PSF       21 PSF         7'-0"       4'-0"       9.7 PSF       16 PSF         7'-0"       5'-0"       7.7 PSF       12 PSF         7'-0"       6'-0"       6.5 PSF       10 PSF         8'-0"       3'-0"       9.9 PSF       16 PSF         8'-0"       4'-0"       7.4 PSF       12 PSF         8'-0"       5'-0"       5.9 PSF       9.9 PSF  | 5'-0"           | 5'-0"              | 15 PSF                | 25 PSF                |
| 6'-0"       4'-0"       13 PSF       22 PSF         6'-0"       5'-0"       10 PSF       17 PSF         6'-0"       8.8 PSF       14 PSF         7'-0"       3'-0"       12 PSF       21 PSF         7'-0"       4'-0"       9.7 PSF       16 PSF         7'-0"       5'-0"       7.7 PSF       12 PSF         7'-0"       6'-0"       6.5 PSF       10 PSF         8'-0"       3'-0"       9.9 PSF       16 PSF         8'-0"       4'-0"       7.4 PSF       12 PSF         8'-0"       5'-0"       5.9 PSF       9.9 PSF  | 5'-0"           | 6'-0"              | 12 PSF                | 21 PSF                |
| 6'-0"       5'-0"       10 PSF       17 PSF         6'-0"       8.8 PSF       14 PSF         7'-0"       3'-0"       12 PSF       21 PSF         7'-0"       4'-0"       9.7 PSF       16 PSF         7'-0"       5'-0"       7.7 PSF       12 PSF         7'-0"       6'-0"       6.5 PSF       10 PSF         8'-0"       3'-0"       9.9 PSF       16 PSF         8'-0"       4'-0"       7.4 PSF       12 PSF         8'-0"       5'-0"       5.9 PSF       9.9 PSF  | 6'-0"           | 3'-0"              | 17 PSF                | 29 PSF                |
| 6'-0"       8.8 PSF       14 PSF         7'-0"       3'-0"       12 PSF       21 PSF         7'-0"       4'-0"       9.7 PSF       16 PSF         7'-0"       5'-0"       7.7 PSF       12 PSF         7'-0"       6'-0"       6.5 PSF       10 PSF         8'-0"       3'-0"       9.9 PSF       16 PSF         8'-0"       4'-0"       7.4 PSF       12 PSF         8'-0"       5'-0"       5.9 PSF       9.9 PSF  | 6'-0"           | 4'-0"              | 13 PSF                | 22 PSF                |
| 7'-0"       3'-0"       12 PSF       21 PSF         7'-0"       4'-0"       9.7 PSF       16 PSF         7'-0"       5'-0"       7.7 PSF       12 PSF         7'-0"       6'-0"       6.5 PSF       10 PSF         8'-0"       3'-0"       9.9 PSF       16 PSF         8'-0"       4'-0"       7.4 PSF       12 PSF         8'-0"       5'-0"       5.9 PSF       9.9 PSF   | 6'-0"           | 5'-0"              | 10 PSF                | 17 PSF                |
| 7'-0"       4'-0"       9.7 PSF       16 PSF         7'-0"       5'-0"       7.7 PSF       12 PSF         7'-0"       6'-0"       6.5 PSF       10 PSF         8'-0"       3'-0"       9.9 PSF       16 PSF         8'-0"       4'-0"       7.4 PSF       12 PSF         8'-0"       5'-0"       5.9 PSF       9.9 PSF   | 6'-0"           | 6'-0"              | 8.8 PSF               | 14 PSF                |
| 7'-0"       5'-0"       7.7 PSF       12 PSF         7'-0"       6'-0"       6.5 PSF       10 PSF         8'-0"       3'-0"       9.9 PSF       16 PSF         8'-0"       4'-0"       7.4 PSF       12 PSF         8'-0"       5'-0"       5.9 PSF       9.9 PSF  | 7'-0"           | 3'-0"              | 12 PSF                | 21 PSF                |
| 7'-0"       6'-0"       6.5 PSF       10 PSF         8'-0"       3'-0"       9.9 PSF       16 PSF         8'-0"       4'-0"       7.4 PSF       12 PSF         8'-0"       5'-0"       5.9 PSF       9.9 PSF   | 7'-0"           | 4'-0"              | 9.7 PSF               | 16 PSF                |
| 8'-0"     3'-0"     9.9 PSF     16 PSF       8'-0"     4'-0"     7.4 PSF     12 PSF       8'-0"     5'-0"     5.9 PSF     9.9 PSF  | 7'-0"           | 5'-0"              | 7.7 PSF               | 12 PSF                |
| 8'-0" 4'-0" 7.4 PSF 12 PSF<br>8'-0" 5'-0" 5.9 PSF 9.9 PSF  | 7'-0"           | 6'-0"              | 6.5 PSF               | 10 PSF                |
| 8'-0" 5'-0" 5.9 PSF 9.9 PSF  | 8'-0"           | 3'-0"              | 9.9 PSF               | 16 PSF                |
|  | 8'-0"           | 4'-0"              | 7.4 PSF               | 12 PSF                |
| 8'-0" 6'-0" 4.9 PSF 8.2 PSF  | 8'-0"           | 5'-0"              | 5.9 PSF               | 9.9 PSF               |
|  | 8'-0"           | 6'-0"              | 4.9 PSF               | 8.2 PSF               |

- 1. MAX POST SPACING BASED ON SOLID SCREEN WITH MINIMAL GAPS. 2. MAX ALLOWED ASD FACTORED LOAD FOR SCREEN AS DEFINED BY ASCE 7.
- 3. MAX ULTIMATE WIND PRESSURE FOR SCREEN AS DEFINED BY ASCE 7.





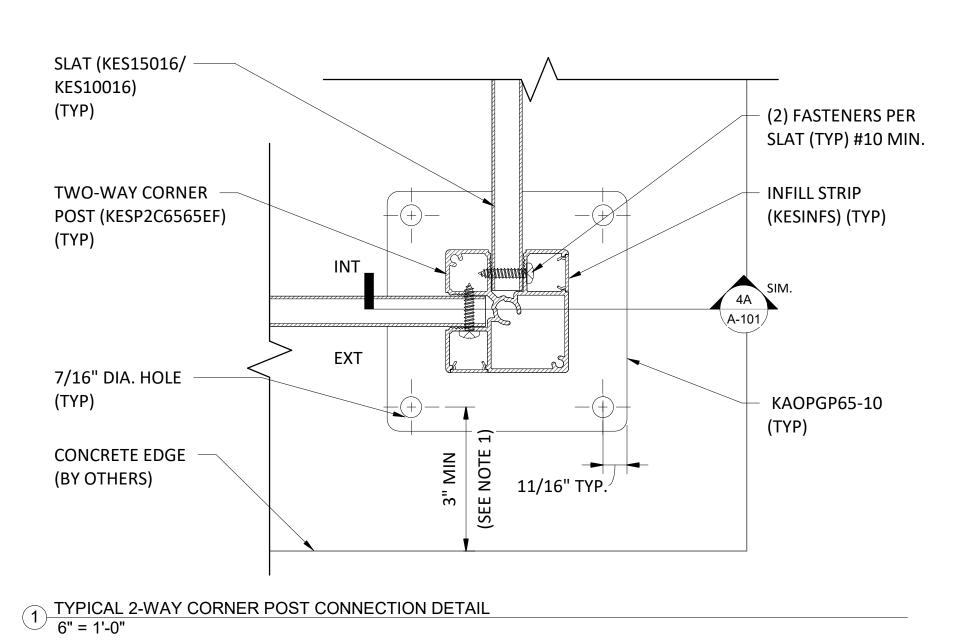
**I** KNOTWOOD™ Stunning Aluminum 5555 W Roosevelt St Phoenix, AZ 85043 ISSUED FOR: ISSUED DATE: 05/15/2024 PLAN REVISIONS NO. DATE DESCRIPTION THE DESIGN CONCEPTS, IDEAS, AND ALL ASSOCIATED INFORMATION DEPICTED HEREIN IS THE SOLE PROPERTY OF PVE, LLC. THIS DOCUMENT HAS BEEN PREPARED SOLELY FOR BENEFIT OF THE PERSON(S) NAMED ABOVE AND FOR THE PROJECT NOTED ON THIS DOCUMENT. THE REPRODUCTION, ALTERATION, USE BY ANY THIRD PARTY, OR USE FOR ANY PURPOSE OTHER THAN SPECIFIED, WITHOUT WRITTEN CONSENT FROM PVE LLC, IS PROHIBITED AND A VIOLATION OF LAW. USE OF THIS DOCUMENT IS WITH FULL RESPONSIBILITY OF ALL INHERENT ERRORS OR OMISSIONS. ELECTRONIC COPIES OF THIS DOCUMENT SHALL BE SUBJECT TO THE SAME COPYRIGHT CONDITIONS AS STATED ABOVE. ELECTRONIC MEDIA MAY CONTAIN ERRORS OR SYSTEM INCOMPATIBILITIES. PVE, LLC. IN ISSUANCE OF THIS DOCUMENT, MAKES NO GUARANTEES AS TO THE ACCURACY OF THE ELECTRONIC DATA OR THE GENERAL WORKABILITY OF THIS DOCUMENT. PROJECT NAME: KNOTWOOD - GENERIC SCREENS SHOP **DRAWINGS** PROJECT LOCATION: DRAWING NAME: HORIZONTAL SCREENS W/ 2-WAY POST SEAL & SIGNATURE PROJECT NO: 2110314 DRAWN BY: CHECKED BY: DRAWING NO:

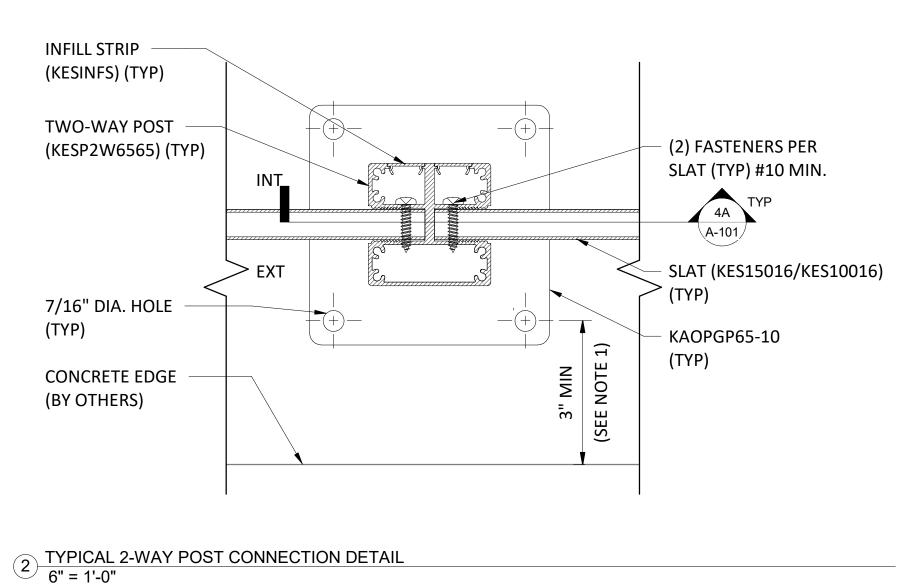
GENERIC LAYOUT SHOWN, THE

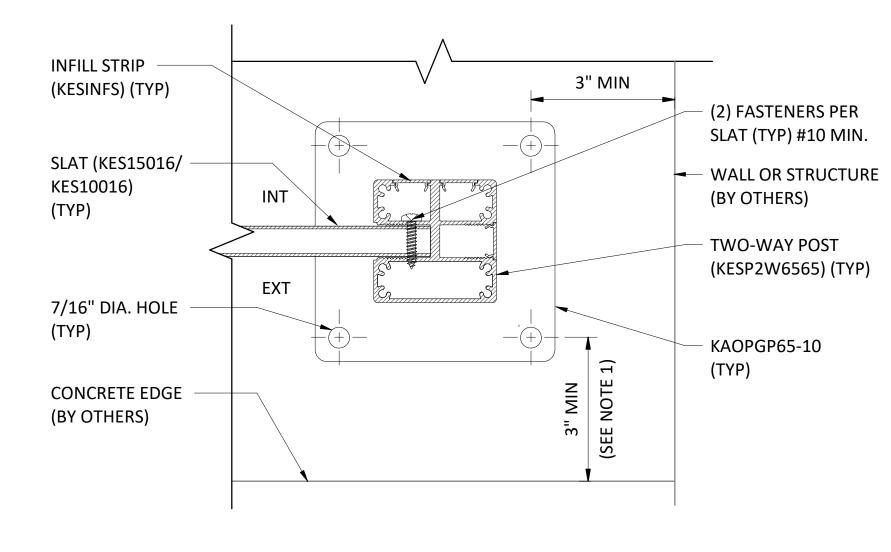
ALL DIMENSIONS PRIOR TO

CONTRACTOR SHALL FIELD VERIFY

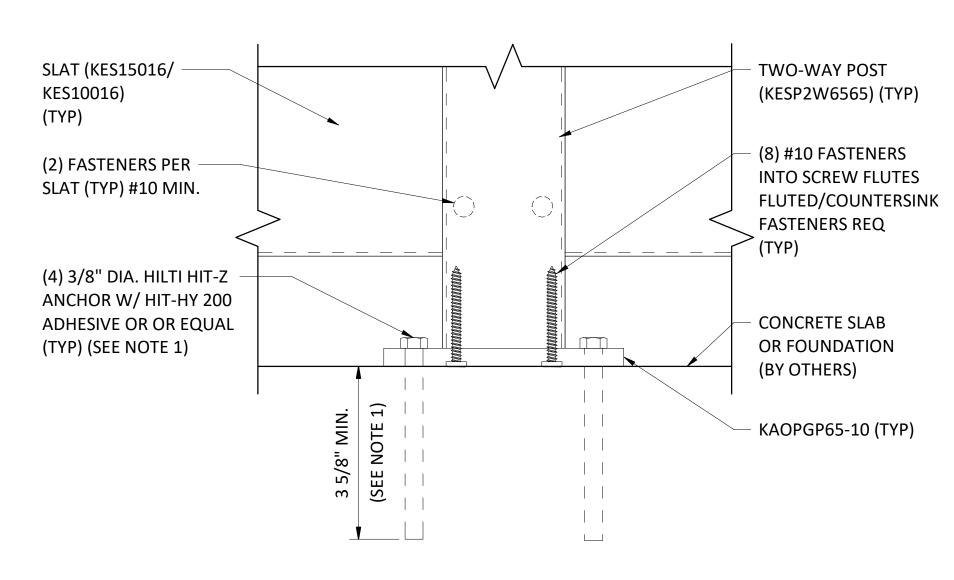
COMMENCEMENT OF ANY WORK.



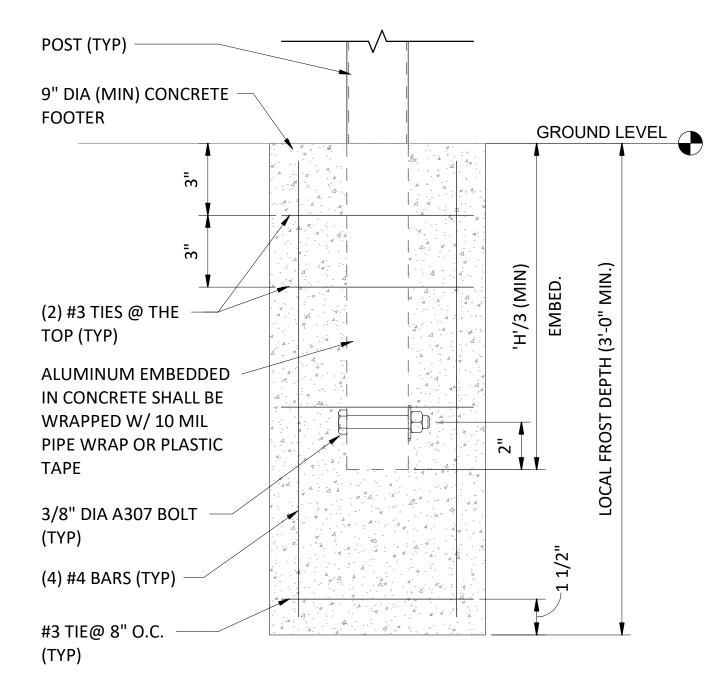




3 TYPICAL 2-WAY POST END CONNECTION DETAIL 6" = 1'-0"



TYPICAL 2-WAY POST ANCHOR DETAIL
6" = 1'-0"



TYPICAL 2-WAY POST EMBEDMENT ALTERNATE DETAIL

3" = 1'-0"



ANCHORAGE DESIGN IS BASED ON

MAXIMUM MOMENT ALLOWED

ANCHORAGE CAN BE DESIGNED

FOR REDUCED LOADS BASED ON

BY BASEPLATE WITH 6" MIN.

THICK 4000 PSI CONCRETE.

LOCAL CONDITIONS BY EOR.

| SSUED FOR:  |            |
|-------------|------------|
| SSUED DATE: | 05/15/2024 |

|                      |      | , -, -      |  |  |
|----------------------|------|-------------|--|--|
|                      | PLAI | N REVISIONS |  |  |
| NO. DATE DESCRIPTION |      |             |  |  |
|                      |      |             |  |  |
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|                      |      |             |  |  |

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PROJECT NAME:

KNOTWOOD - GENERIC SCREENS SHOP DRAWINGS

PROJECT LOCATION:

DRAWING NAME:

HORIZONTAL SCREENS W/ 2-WAY POST DETAILS

SEAL & SIGNATURE

PROJECT NO:

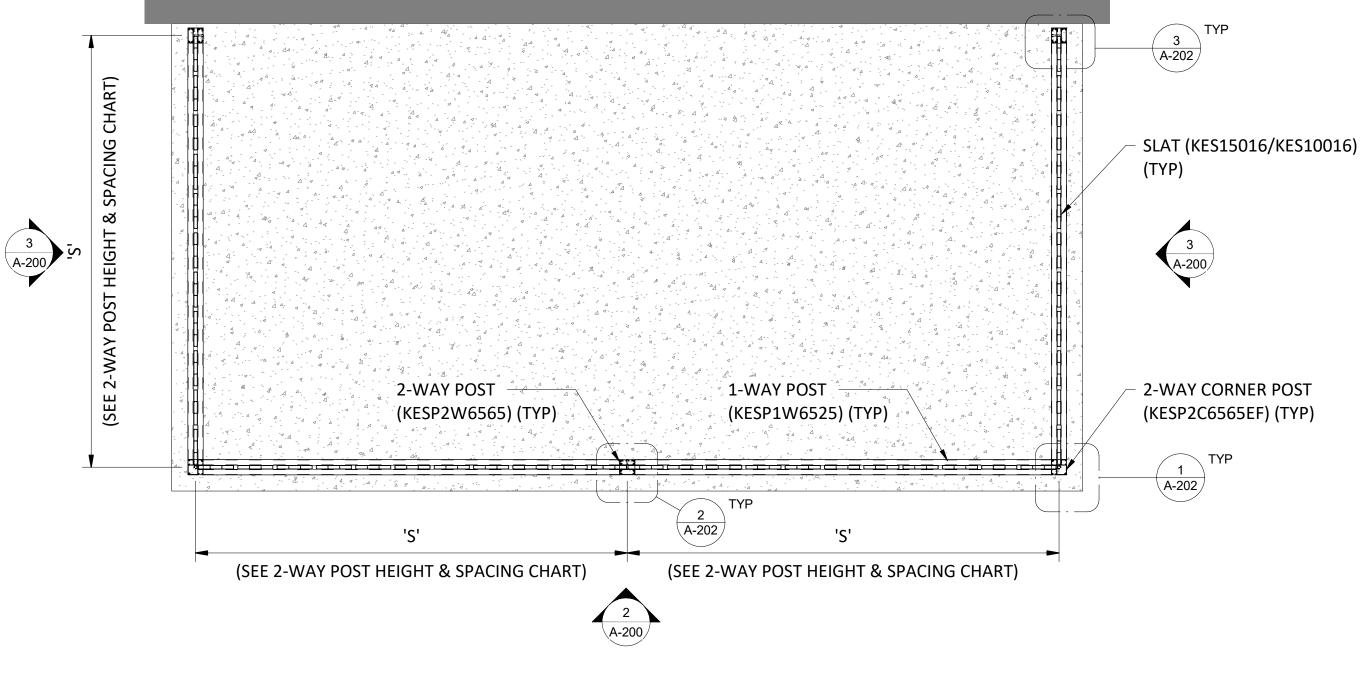
2110314

DRAWN BY:

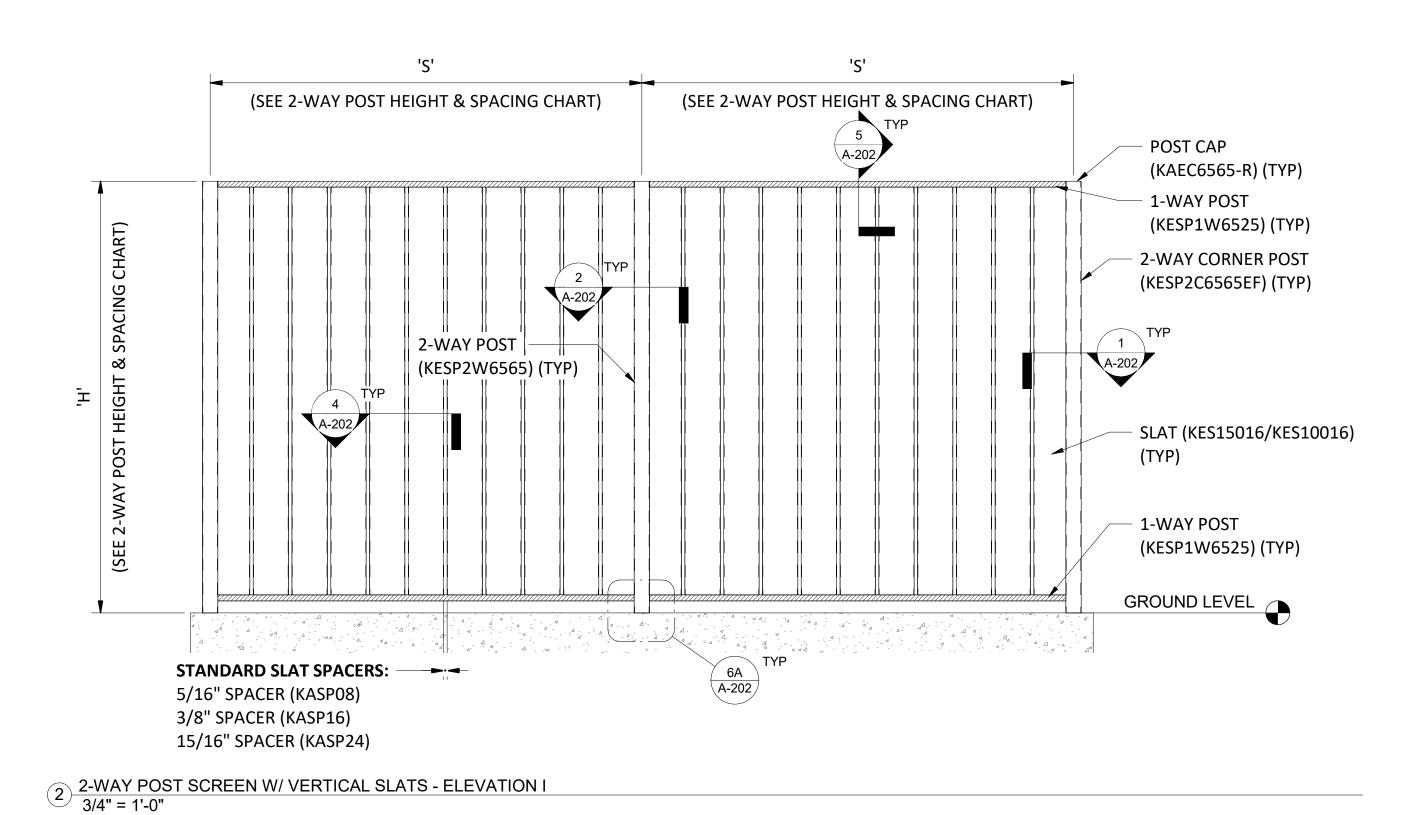
CHECKED BY:

DRAWING NO:

A-101



1 2-WAY POST SCREEN W/ VERTICAL SLATS - PLAN VIEW 3/4" = 1'-0"



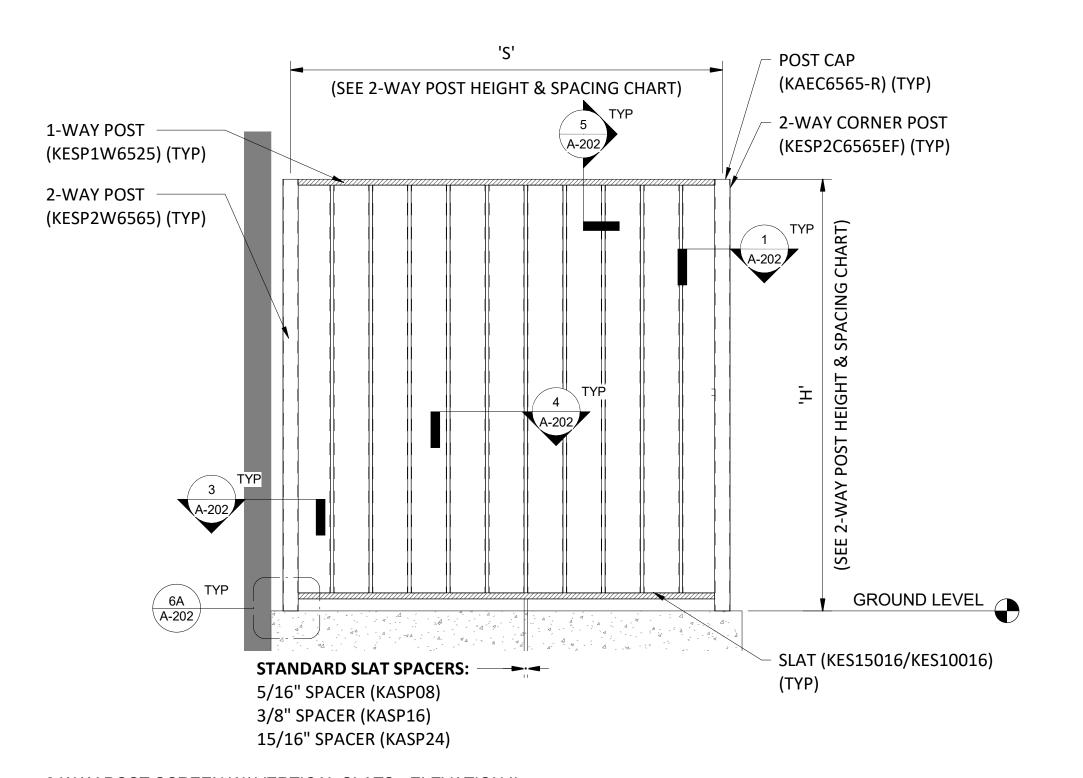
| POST HEIGHT 'H'<br>(MAX) | POST SPACING 'S' (MAX) <sup>1</sup> | MAX DESIGN<br>PRESSURE <sup>2</sup> | MAX WIND<br>PRESSURE <sup>3</sup> |
|--------------------------|-------------------------------------|-------------------------------------|-----------------------------------|
| 4'-0"                    | 3'-0"                               | 31 PSF                              | 52 PSF                            |
| 4'-0"                    | 4'-0"                               | 23 PSF                              | 39 PSF                            |
| 4'-0"                    | 5'-0"                               | 18 PSF                              | 31 PSF                            |
| 4'-0"                    | 6'-0"                               | 15 PSF                              | 26 PSF                            |
| 5'-0"                    | 3'-0"                               | 20 PSF                              | 33 PSF                            |
| 5'-0"                    | 4'-0"                               | 15 PSF                              | 25 PSF                            |
| 5'-0"                    | 5'-0"                               | 12 PSF                              | 20 PSF                            |
| 5'-0"                    | 6'-0"                               | 10 PSF                              | 16 PSF                            |
| 6'-0"                    | 3'-0"                               | 13 PSF                              | 23 PSF                            |
| 6'-0"                    | 4'-0"                               | 10 PSF                              | 17 PSF                            |
| 6'-0"                    | 5'-0"                               | 8.3 PSF                             | 13 PSF                            |
| 6'-0"                    | 6'-0"                               | 6.9 PSF                             | 11 PSF                            |
| 7'-0"                    | 3'-0"                               | 10 PSF                              | 17 PSF                            |
| 7'-0"                    | 4'-0"                               | 7.7 PSF                             | 12 PSF                            |
| 7'-0"                    | 5'-0"                               | 6.1 PSF                             | 10 PSF                            |
| 7'-0"                    | 6'-0"                               | 5.1 PSF                             | 8.5 PSF                           |
| 8'-0"                    | 3'-0"                               | 7.8 PSF                             | 13 PSF                            |
| 8'-0"                    | 4'-0"                               | 5.9 PSF                             | 9.8 PSF                           |
| 8'-0"                    | 5'-0"                               | 4.7 PSF                             | 7.8 PSF                           |
| 8'-0"                    | 6'-0"                               | 3.9 PSF                             | 6.5 PSF                           |

| 1. MAX POST SPACING BASED ON SOLID SCREEN WITH MINIMAL GAPS. |
|--|
|--|

- 2. MAX ALLOWED ASD FACTORED LOAD FOR SCREEN AS DEFINED BY ASCE 7.
- 3. MAX ULTIMATE WIND PRESSURE FOR SCREEN AS DEFINED BY ASCE 7.

| 2-WAY POST HI            | EIGHT & SPACING CH                  | HART - WITH EMI                     | BEDDED POST                       |  |
|--------------------------|-------------------------------------|-------------------------------------|-----------------------------------|--|
| POST HEIGHT 'H'<br>(MAX) | POST SPACING 'S' (MAX) <sup>1</sup> | MAX DESIGN<br>PRESSURE <sup>2</sup> | MAX WIND<br>PRESSURE <sup>3</sup> |  |
| 4'-0"                    | 3'-0"                               | 39 PSF                              | 65 PSF                            |  |
| 4'-0"                    | 4'-0"                               | 29 PSF                              | 49 PSF                            |  |
| 4'-0"                    | 5'-0"                               | 23 PSF                              | 39 PSF                            |  |
| 4'-0"                    | 6'-0"                               | 19 PSF                              | 32 PSF                            |  |
| 5'-0"                    | 3'-0"                               | 25 PSF                              | 42 PSF                            |  |
| 5'-0"                    | 4'-0"                               | 19 PSF                              | 31 PSF                            |  |
| 5'-0"                    | 5'-0"                               | 15 PSF                              | 25 PSF                            |  |
| 5'-0"                    | 6'-0"                               | 12 PSF                              | 21 PSF                            |  |
| 6'-0"                    | 3'-0"                               | 17 PSF                              | 29 PSF<br>22 PSF                  |  |
| 6'-0"                    | 4'-0"                               | 13 PSF                              |                                   |  |
| 6'-0"                    | 5'-0"                               | 10 PSF                              | 17 PSF                            |  |
| 6'-0"                    | 6'-0"                               | 8.8 PSF                             | 14 PSF                            |  |
| 7'-0"                    | 3'-0"                               | 12 PSF                              | 21 PSF                            |  |
| 7'-0"                    | 4'-0"                               | 9.7 PSF                             | 16 PSF                            |  |
| 7'-0"                    | 5'-0"                               | 7.7 PSF                             | 12 PSF                            |  |
| 7'-0"                    | 6'-0"                               | 6.5 PSF                             | 10 PSF                            |  |
| 8'-0"                    | 3'-0"                               | 9.9 PSF                             | 16 PSF                            |  |
| 8'-0"                    | 4'-0"                               | 7.4 PSF                             | 12 PSF                            |  |
| 8'-0"                    | 5'-0"                               | 5.9 PSF                             | 9.9 PSF                           |  |
| 8'-0"                    | 6'-0"                               | 4.9 PSF                             | 8.2 PSF                           |  |

- 1. MAX POST SPACING BASED ON SOLID SCREEN WITH MINIMAL GAPS.
- 2. MAX ALLOWED ASD FACTORED LOAD FOR SCREEN AS DEFINED BY ASCE 7.
- 3. MAX ULTIMATE WIND PRESSURE FOR SCREEN AS DEFINED BY ASCE 7.



3 2-WAY POST SCREEN W/ VERTICAL SLATS - ELEVATION II 3/4" = 1'-0"

GENERIC LAYOUT SHOWN, THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF ANY WORK.

| PREPARED FOR:  |  |
|--|--|
| 55   | KNOTWOOD Tunning Aluminum S5 W Roosevelt St hoenix, AZ 85043   |
| SSUED FOR:   |  |
| SSUED DATE:  | 05/15/2024   |
| PL   | AN REVISIONS   |
| IO. DATE   | DESCRIPTION  |
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| PROJECT NAME:  |  |
| KNOTWOOD -   | - GENERIC SCREENS SHOP<br>DRAWINGS   |

PROJECT LOCATION:

DRAWING NAME:

SEAL & SIGNATURE

VERTICAL SCREENS W/ 2-WAY POST

PROJECT NO:

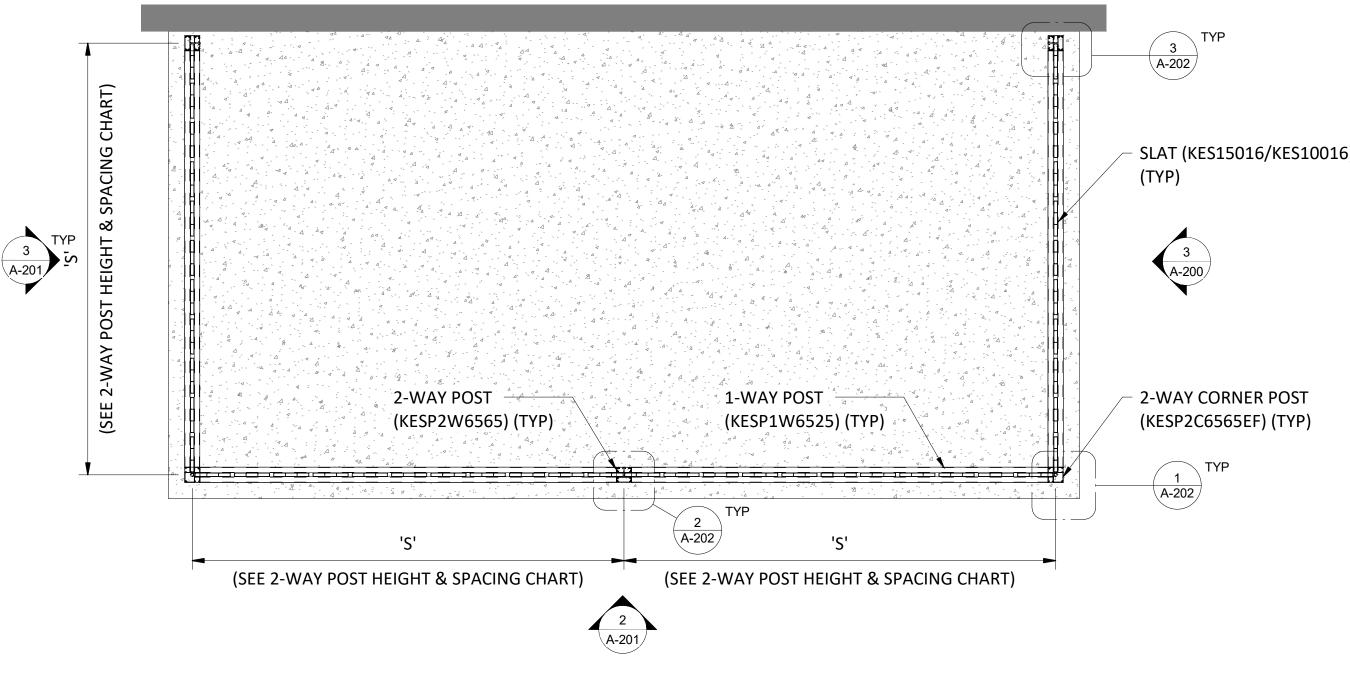
DRAWN BY:

CHECKED BY:

DRAWING NO:

A-200

2110314



|                    | POST HEIGHT 'H'<br>(MAX) | POST SPACING 'S' (MAX) <sup>1</sup> | MAX DESIGN<br>PRESSURE <sup>2</sup> |
|--------------------|--------------------------|-------------------------------------|-------------------------------------|
|                    | 4'-0"                    | 3'-0"                               | 31 PSF                              |
| YP                 | 4'-0"                    | 4'-0"                               | 23 PSF                              |
|                    | 4'-0"                    | 5'-0"                               | 18 PSF                              |
|                    | 4'-0"                    | 6'-0"                               | 15 PSF                              |
| S15016/KES10016)   | 5'-0"                    | 3'-0"                               | 20 PSF                              |
| 020020, 112020020, | 5'-0"                    | 4'-0"                               | 15 PSF                              |
|                    | 5'-0"                    | 5'-0"                               | 12 PSF                              |
|                    | 5'-0"                    | 6'-0"                               | 10 PSF                              |
| /                  | 6'-0"                    | 3'-0"                               | 13 PSF                              |
|                    | 6'-0"                    | 4'-0"                               | 10 PSF                              |
|                    | 6'-0"                    | 5'-0"                               | 8.3 PSF                             |
| ORNER POST         | 6'-0"                    | 6'-0"                               | 6.9 PSF                             |
| 6565EF) (TYP)      | 7'-0"                    | 3'-0"                               | 10 PSF                              |
| ТҮР                | 7'-0"                    | 4'-0"                               | 7.7 PSF                             |
|                    | 7'-0"                    | 5'-0"                               | 6.1 PSF                             |
|                    | 7'-0"                    | 6'-0"                               | 5.1 PSF                             |
|                    | 8'-0"                    | 3'-0"                               | 7.8 PSF                             |
|                    | 8'-0"                    | 4'-0"                               | 5.9 PSF                             |
|                    | 8'-0"                    | 5'-0"                               | 4.7 PSF                             |
|                    | 8'-0"                    | 6'-0"                               | 3.9 PSF                             |

| 1. MAX POST SPACING BASED ON SOLID SCREEN WITH MINIMAL GAPS.   |    |
|--|----|
| 2. MAX ALLOWED ASD FACTORED LOAD FOR SCREEN AS DEFINED BY AS   | CE |
| 3. MAX ULTIMATE WIND PRESSURE FOR SCREEN AS DEFINED BY ASCE 7. |    |

2-WAY POST HEIGHT & SPACING CHART - WITH STANDARD BASEPLATE

MAX WIND

PRESSURE<sup>3</sup>

52 PSF

39 PSF

31 PSF

26 PSF

33 PSF

25 PSF

20 PSF

16 PSF

23 PSF

17 PSF

13 PSF

11 PSF

17 PSF

12 PSF

10 PSF

8.5 PSF

13 PSF

9.8 PSF

7.8 PSF

6.5 PSF

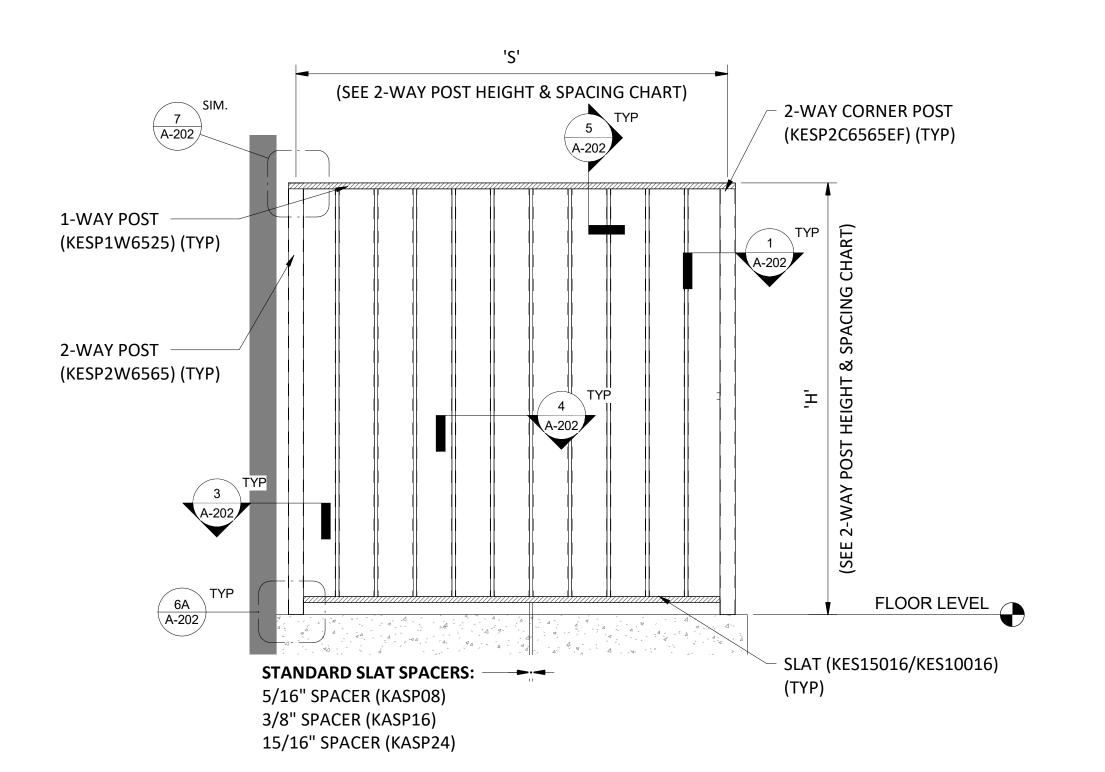
| POST HEIGHT 'H'<br>(MAX) | POST SPACING 'S' (MAX) <sup>1</sup> | MAX DESIGN<br>PRESSURE <sup>2</sup> | MAX WIND<br>PRESSURE <sup>3</sup> |
|--------------------------|-------------------------------------|-------------------------------------|-----------------------------------|
| 4'-0"                    | 3'-0"                               | 39 PSF                              | 65 PSF                            |
| 4'-0"                    | 4'-0"                               | 29 PSF                              | 49 PSF                            |
| 4'-0"                    | 5'-0"                               | 23 PSF                              | 39 PSF                            |
| 4'-0"                    | 6'-0"                               | 19 PSF                              | 32 PSF                            |
| 5'-0"                    | 3'-0"                               | 25 PSF                              | 42 PSF                            |
| 5'-0"                    | 4'-0"                               | 19 PSF                              | 31 PSF                            |
| 5'-0"                    | 5'-0"                               | 15 PSF                              | 25 PSF                            |
| 5'-0"                    | 6'-0"                               | 12 PSF                              | 21 PSF                            |
| 6'-0"                    | 3'-0"                               | 17 PSF                              | 29 PSF                            |
| 6'-0"                    | 4'-0"                               | 13 PSF                              | 22 PSF                            |
| 6'-0"                    | 5'-0"                               | 10 PSF                              | 17 PSF                            |
| 6'-0"                    | 6'-0"                               | 8.8 PSF                             | 14 PSF                            |
| 7'-0"                    | 3'-0"                               | 12 PSF                              | 21 PSF                            |
| 7'-0"                    | 4'-0"                               | 9.7 PSF                             | 16 PSF                            |
| 7'-0"                    | 5'-0"                               | 7.7 PSF                             | 12 PSF                            |
| 7'-0"                    | 6'-0"                               | 6.5 PSF                             | 10 PSF                            |
| 8'-0"                    | 3'-0"                               | 9.9 PSF                             | 16 PSF                            |
| 8'-0"                    | 4'-0"                               | 7.4 PSF                             | 12 PSF                            |
| 8'-0"                    | 5'-0"                               | 5.9 PSF                             | 9.9 PSF                           |
| 8'-0"                    | 6'-0"                               | 4.9 PSF                             | 8.2 PSF                           |

- 1. MAX POST SPACING BASED ON SOLID SCREEN WITH MINIMAL GAPS.
- 2. MAX ALLOWED ASD FACTORED LOAD FOR SCREEN AS DEFINED BY ASCE 7.
- 3. MAX ULTIMATE WIND PRESSURE FOR SCREEN AS DEFINED BY ASCE 7.

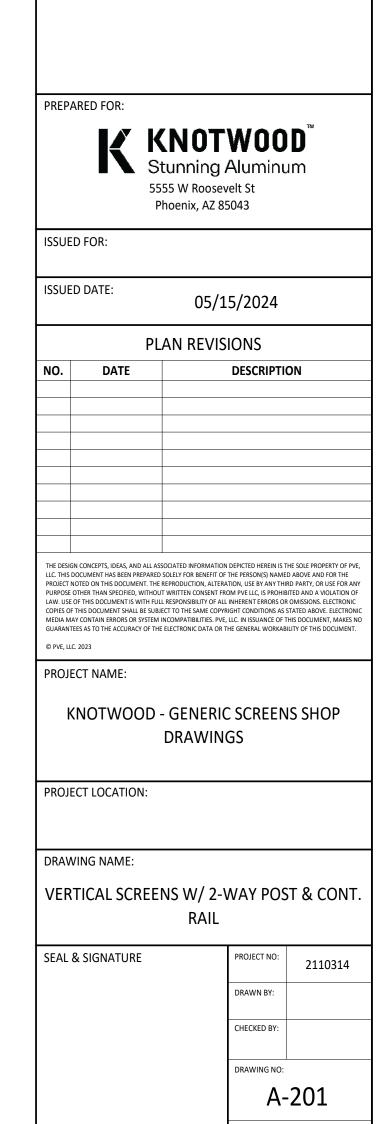
|   | 'S'   | 'S'  |  |
|---|---|--|--|
|   | (SEE 2-WAY POST HEIGHT & SPACING CHART)  7  TYP           | (SEE 2-WAY POST HEIGHT & SPACING CHART)  TYP | 1-WAY POST   |
|   | A-202   | A-202  | (KESP1W6525) (TYP)   |
| (SEE 2-WAY POST HEIGHT & SPACING CHART) | 2-WAY POST (KESP2W6565) (TYP)  A-202  A-202  A-202  A-202 |  | 2-WAY CORNER POST (KESP2C6565EF) (TYP)  TYP  A-202  SLAT (KES15016/KES10016) (TYP)  1-WAY POST (KESP1W6525) (TYP)  FLOOR LEVEL |
|   |   |  |  |
|   | ANDARD SLAT SPACERS:                                      | 6A<br>A-202                                  |  |
| 3/8                                     | B" SPACER (KASP16)<br>/16" SPACER (KASP24)                |  |  |

2-WAY POST SCREEN W/ VERTICAL SLATS & CONTINUOUS RAIL - ELEVATION I 3/4" = 1'-0"

1 2-WAY POST SCREEN W/ VERTICAL SLATS - PLAN VIEW 3/4" = 1'-0"



3 2-WAY POST SCREEN W/ VERTICAL SLATS & CONTINUOUS RAIL - ELEVATION II 3/4" = 1'-0"

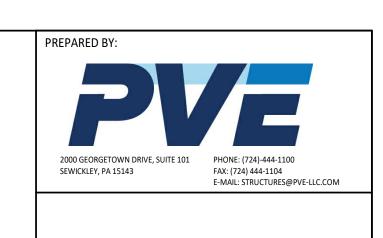


GENERIC LAYOUT SHOWN, THE

ALL DIMENSIONS PRIOR TO

CONTRACTOR SHALL FIELD VERIFY

COMMENCEMENT OF ANY WORK.



ANCHORAGE DESIGN IS BASED ON MAXIMUM MOMENT ALLOWED BY BASEPLATE WITH 6" MIN. THICK 4000 PSI CONCRETE. ANCHORAGE CAN BE DESIGNED FOR REDUCED LOADS BASED ON LOCAL CONDITIONS BY EOR.

**I**✓ KNOTWOOD

Stunning Aluminum

5555 W Roosevelt St

Phoenix, AZ 85043

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KNOTWOOD - GENERIC SCREENS SHOP DRAWINGS

VERTICAL SCREENS W/ 2-WAY POST DETAILS

PROJECT NO:

DRAWN BY:

CHECKED BY:

DRAWING NO:

A-202

2110314

05/15/2024

DESCRIPTION

ISSUED FOR:

ISSUED DATE:

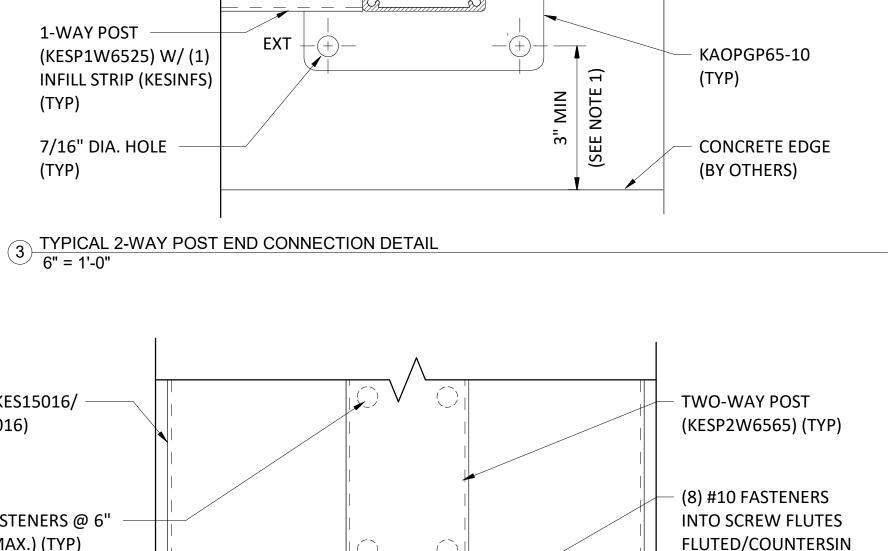
NO. DATE

PROJECT NAME:

PROJECT LOCATION:

DRAWING NAME:

SEAL & SIGNATURE



3" MIN

(2) FASTENERS PER

SLAT (TYP) #10 MIN.

■ WALL OR STRUCTURE

TWO-WAY POST

(KESP2W6565) (TYP)

(BY OTHERS)

SLAT (KES15016/ KES10016) (TYP) #10 FASTENERS @ 6" O.C. (MAX.) (TYP) K FASTENERS REQ 1-WAY POST (KESP1W6525) W/(1) INFILL STRIP (KESINFS) CONCRETE SLAB (TYP) (BY OTHERS) (4) 3/8" DIA. HILTI HIT-Z ANCHOR W/ HIT-HY 200 1) ADHESIVE OR OR EQUAL - KAOPGP65-10 (TYP) (TYP) (SEE NOTE 1) 6A TYPICAL 2-WAY POST ANCHOR DETAIL (VERTICAL SLATS)
6" = 1'-0"

INFILL STRIP ——— (2) FASTENERS PER SLAT (TYP) #10 MIN. (KESINFS) (TYP) INT - SLAT (KES15016/KES10016) TWO-WAY POST (KESP2W6565) (TYP) 6A 1-WAY POST EXT (KESP1W6525) W/(1) KAOPGP65-10 1) INFILL STRIP (KESINFS) 7/16" DIA. HOLE CONCRETE EDGE (BY OTHERS) (TYP)

> (2) FASTENERS PER SLAT (TYP) #10 MIN.

- 2-9/16" ONE WAY

2-9/16" ONE WAY

STRIP (KESINFS) (TYP)

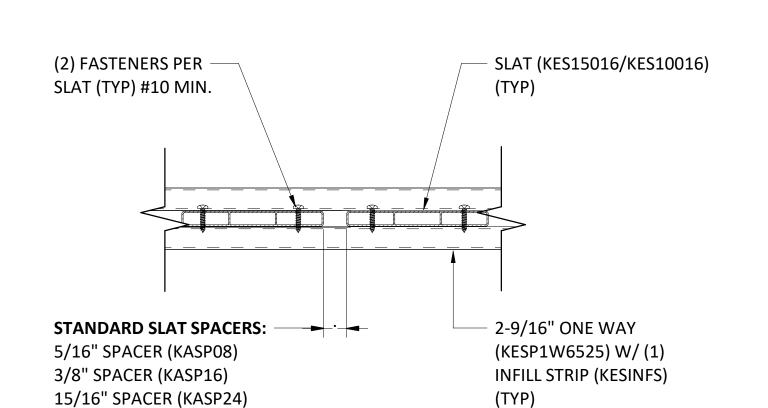
(KESP1W6525) W/ (1)INFILL

(TYP)

(KESP1W6525) W/ (1)

INFILL STRIP (KESINFS)

2 TYPICAL 2-WAY POST CONNECTION DETAIL (VERTICAL SLATS) 6" = 1'-0"



**11/16"** TYP.

4 TYPICAL SLAT CONNECTION DETAIL 3" = 1'-0"

SLAT (KES15016/

TWO-WAY CORNER

POST (KESP2C6565EF)

(KESP1W6525) (TYP)

KES10016)

1-WAY POST

7/16" DIA. HOLE

CONCRETE EDGE

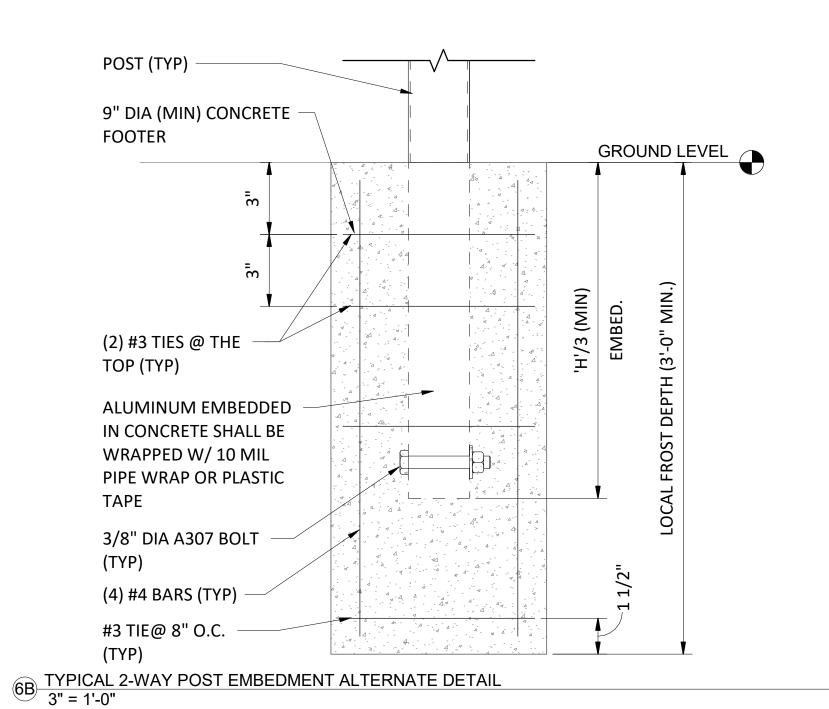
1 TYPICAL 2-WAY CORNER POST CONNECTION DETAIL 6" = 1'-0"

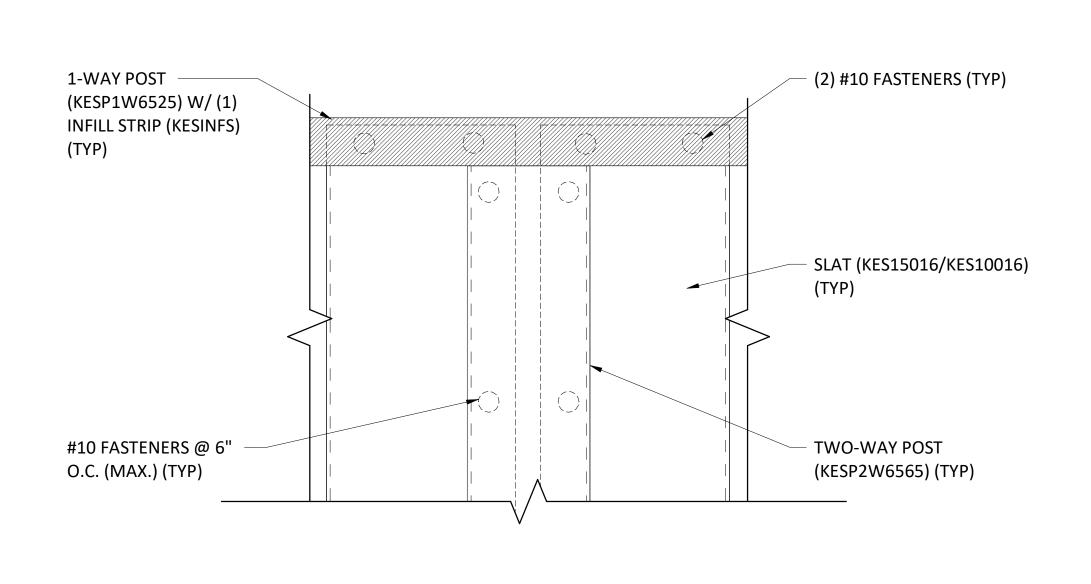
(BY OTHERS)

(TYP)

(TYP)

(TYP)





7 TYPICAL 2-WAY POST & 1 WAY RAIL TOP CONNECTION DETAIL (VERTICAL SLATS)
6" = 1'-0"

(2) FASTENERS PER

SLAT (TYP) #10 MIN.

**INFILL STRIP** 

(KESINFS) (TYP)

KAOPGP65-10

4" x 4" END CAP

(KAEC100100-R)

TWO-WAY POST

SLAT (KES15016/

KES10016)

(TYP)

(KESP2W6565) (TYP)

(TYP)

#10 FASTENERS @ 6" O.C.

(MAX) FOR SLATS AT 1-WAY

5 TYPICAL TOP SLAT CONNECTION DETAIL (BOTTOM SIMILAR) 6" = 1'-0"

(TYP)

FLUTED/COUNTERSIN (2) #10 FASTENERS (TYP)

INFILL STRIP

KES10016)

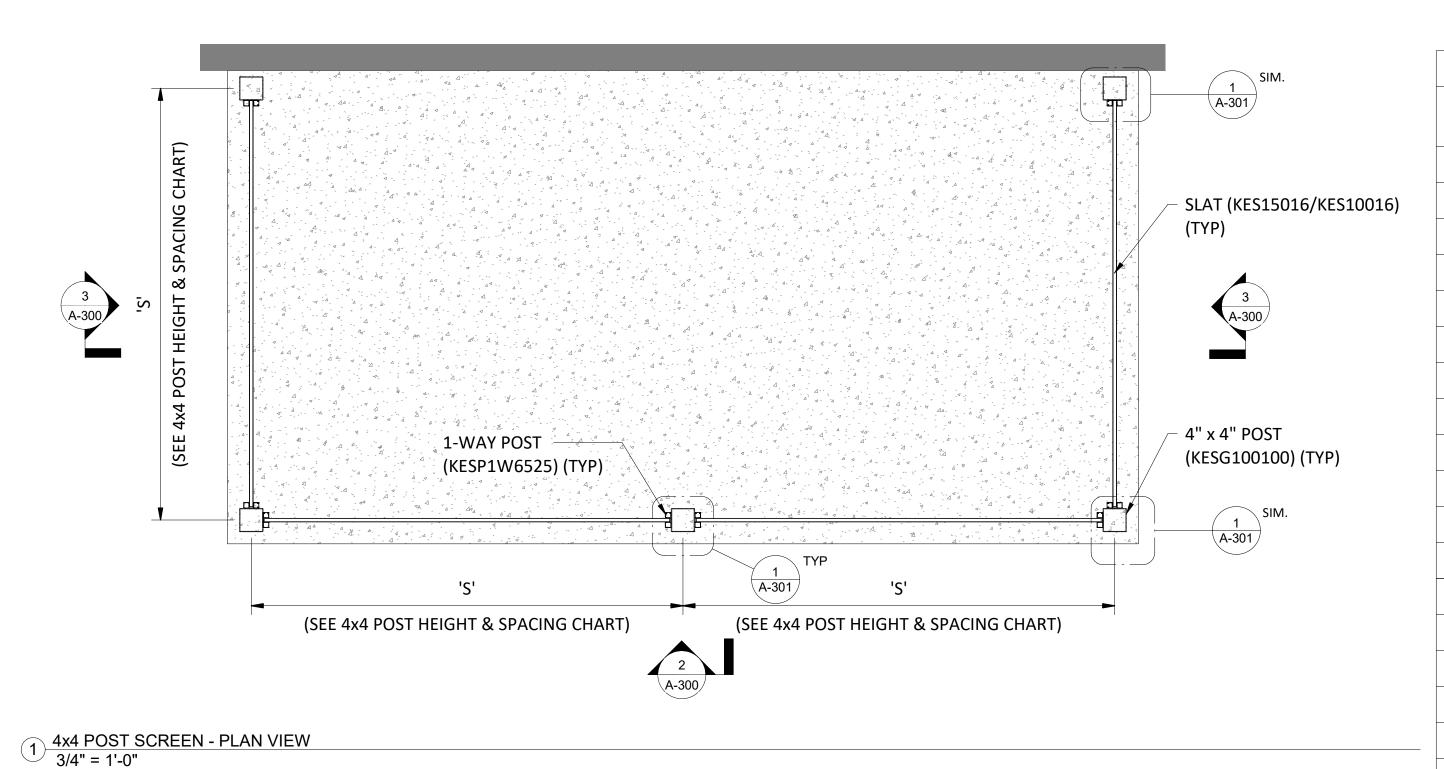
(TYP)

(KESINFS) (TYP)

SLAT (KES15016/

INT





| 4x4 POST HEIGHT & SPACING CHART - WITH STANDARD BASEPLATE |                                     |                                     |                                   |  |  |  |
|---|-------------------------------------|-------------------------------------|-----------------------------------|--|--|--|
| POST HEIGHT 'H'<br>(MAX)                                  | POST SPACING 'S' (MAX) <sup>1</sup> | MAX DESIGN<br>PRESSURE <sup>2</sup> | MAX WIND<br>PRESSURE <sup>3</sup> |  |  |  |
| 6'-0"   | 3'-0"                               | 36 PSF                              | 60 PSF                            |  |  |  |
| 6'-0"   | 4'-0"                               | 27 PSF                              | 45 PSF                            |  |  |  |
| 6'-0"   | 5'-0"                               | 21 PSF                              | 36 PSF                            |  |  |  |
| 6'-0"   | 6'-0"                               | 18 PSF                              | 30 PSF                            |  |  |  |
| 7'-0"   | 3'-0"                               | 26 PSF                              | 44 PSF                            |  |  |  |
| 7'-0"   | 4'-0"                               | 20 PSF                              | 33 PSF                            |  |  |  |
| 7'-0"   | 5'-0"                               | 16 PSF                              | 26 PSF                            |  |  |  |
| 7'-0"   | 6'-0"                               | 13 PSF                              | 22 PSF                            |  |  |  |
| 8'-0"   | 3'-0"                               | 20 PSF                              | 34 PSF                            |  |  |  |
| 8'-0"   | 4'-0"                               | 15 PSF                              | 25 PSF                            |  |  |  |
| 8'-0"   | 5'-0"                               | 12 PSF                              | 20 PSF                            |  |  |  |
| 8'-0"   | 6'-0"                               | 10 PSF                              | 17 PSF                            |  |  |  |
| 9'-0"   | 3'-0"                               | 16 PSF                              | 26 PSF                            |  |  |  |
| 9'-0"   | 4'-0"                               | 12 PSF                              | 20 PSF                            |  |  |  |
| 9'-0"   | 5'-0"                               | 9.7 PSF                             | 16 PSF                            |  |  |  |
| 9'-0"   | 6'-0"                               | 8.1 PSF                             | 13 PSF                            |  |  |  |
| 10'-0"  | 3'-0"                               | 13 PSF                              | 21 PSF                            |  |  |  |
| 10'-0"  | 4'-0"                               | 9.8 PSF                             | 16 PSF                            |  |  |  |
| 10'-0"  | 5'-0"                               | 7.8 PSF                             | 13 PSF                            |  |  |  |
| 10'-0"  | 6'-0"                               | 6.5 PSF                             | 11 PSF                            |  |  |  |

- MAX POST SPACING BASED ON SOLID SCREEN WITH MINIMAL GAPS.
   MAX ALLOWED ASD FACTORED LOAD FOR SCREEN AS DEFINED BY ASCE 7.
- 3. MAX ULTIMATE WIND PRESSURE FOR SCREEN AS DEFINED BY ASCE 7.

3 4x4 POST SCREEN - ELEVATION II 3/4" = 1'-0" POST HEIGHT 'H' POST SPACING 'S' MAX DESIGN MAX WIND PRESSURE<sup>2</sup> PRESSURE<sup>3</sup>  $(MAX)^1$ 66 PSF 111 PSF 3'-0" 4'-0" 50 PSF 83 PSF 40 PSF 67 PSF 33 PSF 55 PSF 6'-0" 49 PSF 7'-0'' 3'-0" 7'-0" 36 PSF 61 PSF 4'-0" 7'-0" 5'-0" 49 PSF 29 PSF 24 PSF 41 PSF 7'-0" 6'-0" 37 PSF 3'-0" 28 PSF 47 PSF 4'-0" 22 PSF 5'-0" 6'-0" 18 PSF 31 PSF 3'-0" 29 PSF 22 PSF 37 PSF 4'-0" 17 PSF 29 PSF 5'-0" 14 PSF 24 PSF 6'-0" 3'-0" 24 PSF 40 PSF 10'-0" 4'-0" 18 PSF 30 PSF 14 PSF 24 PSF 20 PSF 12 PSF

4x4 POST HEIGHT & SPACING CHART - WITH EMBEDDED POST

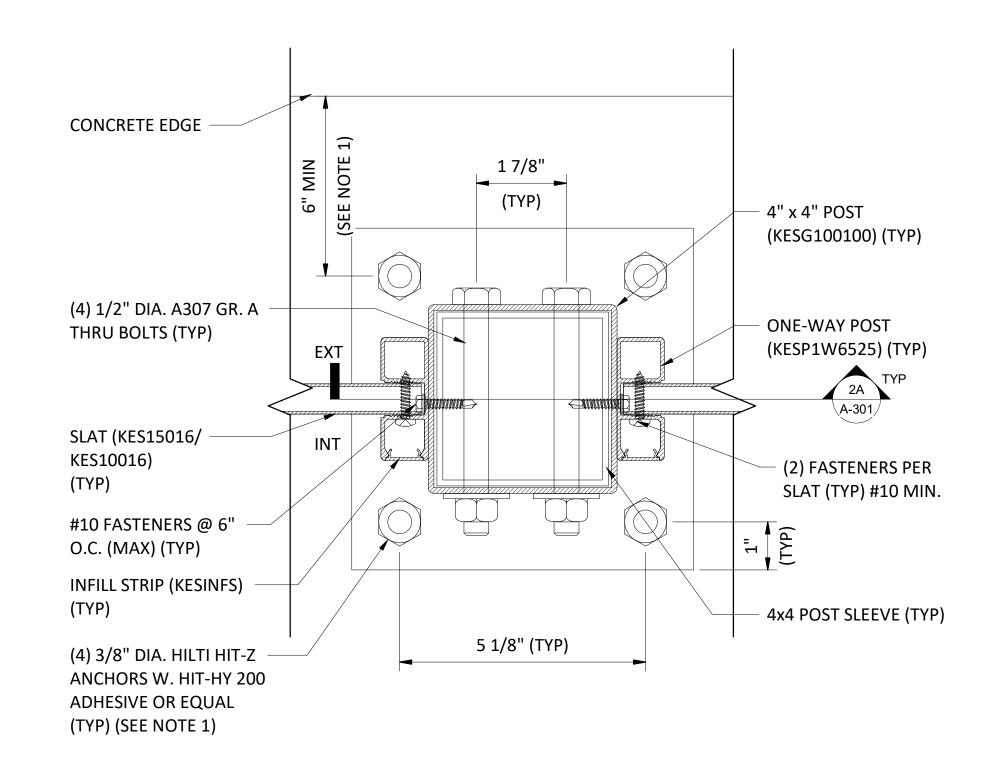
MAX POST SPACING BASED ON SOLID SCREEN WITH MINIMAL GAPS.
 MAX ALLOWED ASD FACTORED LOAD FOR SCREEN AS DEFINED BY ASCE 7.
 MAX ULTIMATE WIND PRESSURE FOR SCREEN AS DEFINED BY ASCE 7.

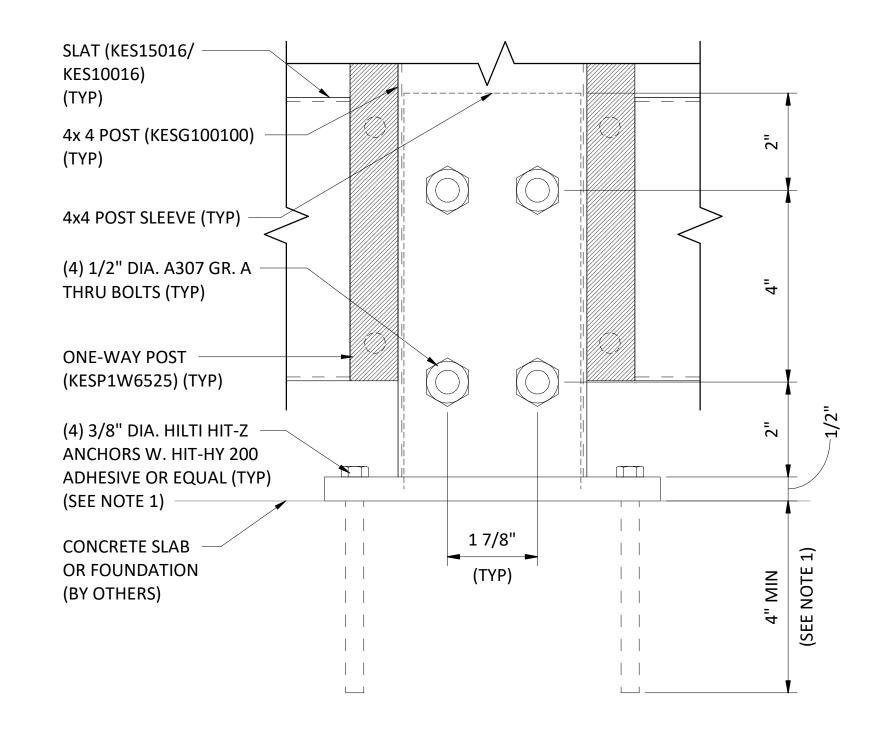
| _               | 'S'                                   | 'S'                                   | POST CAP   |
|-----------------|---------------------------------------|---------------------------------------|--|
|                 | (SEE 4x4 POST HEIGHT & SPACING CHART) | (SEE 4x4 POST HEIGHT & SPACING CHART) | (KAEC6525-R) (TYP)   |
|                 |                                       |                                       | POST CAP<br>(KAEC100100-R) (TYP)   |
|                 | 3<br>A-301                            |                                       | STANDARD SLAT SPACERS: 5/16" SPACER (KASP08) 3/8" SPACER (KASP16) 15/16" SPACER (KASP24) |
| SPACING CHART)  |                                       |                                       | SLAT (KES15016/KES10016)<br>(TYP)  |
| HEIGHT & SPA    |                                       | 1<br>A-301                            | 1-WAY POST<br>(KESP1W6525) (TYP)   |
| 4x4 POST I      |                                       |                                       | 4" x 4" POST<br>(KESG100100) (TYP)   |
| (SEE 4          |                                       |                                       | SIM.<br>A-301  |
|                 |                                       |                                       |  |
| -2" (TYP)<br>•- |                                       |                                       |  |
|                 |                                       |                                       | FLOOR LEVEL  |
| 4 3             |                                       | 2A<br>A-301                           | A <sup>d</sup>   |

2 4x4 POST SCREEN - ELEVATION I 3/4" = 1'-0"

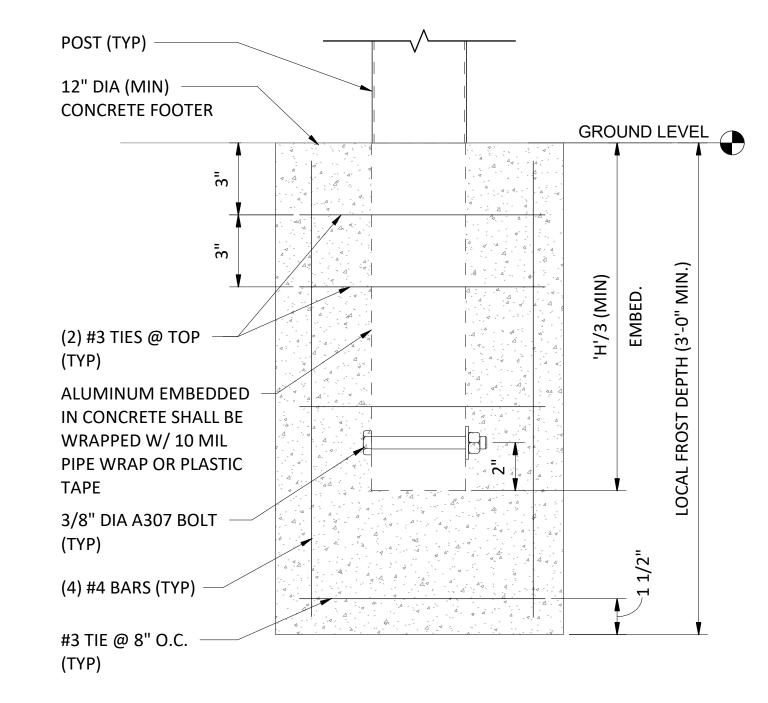
POST CAP (KAEC6525-R) (TYP) (SEE 4x4 POST HEIGHT & SPACING CHART) POST CAP (KAEC100100-R) (TYP) SLAT (KES15016/KES10016) (TYP) A-301 **STANDARD SLAT SPACERS:** 5/16" SPACER (KASP08) 3/8" SPACER (KASP16) 15/16" SPACER (KASP24) 1-WAY POST (KESP1W6525) (TYP) 4" x 4" POST (KESG100100) (TYP) FLOOR LEVEL 2A A-301

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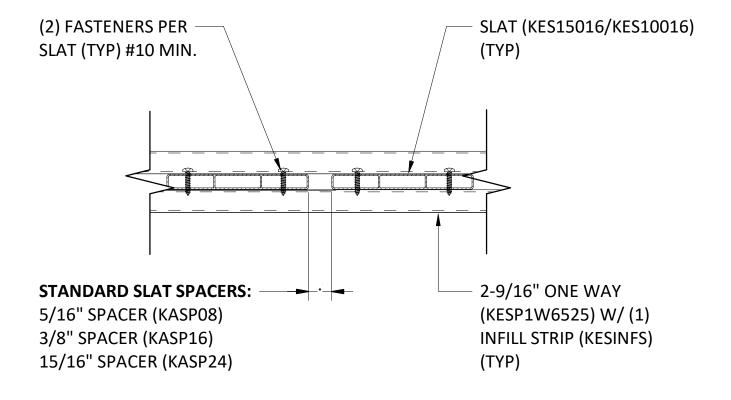


2A TYPICAL 4x4 POST ANCHOR DETAIL 6" = 1'-0"



2B TYPICAL 4x4 POST EMBEDMENT ALTERNATE DETAIL 3" = 1'-0"

1 TYPICAL ONE-WAY TO 4x4 POST CONNECTION DETAIL 6" = 1'-0"



3 TYPICAL SLAT CONNECTION DETAIL
3" = 1'-0"

PREPARED FOR:

KNOTWOOD™

Stunning Aluminum
5555 W Roosevelt St
Phoenix, AZ 85043

ANCHORAGE DESIGN IS BASED ON

MAXIMUM MOMENT ALLOWED

ANCHORAGE CAN BE DESIGNED

FOR REDUCED LOADS BASED ON

BY BASEPLATE WITH 8" MIN.

THICK 4000 PSI CONCRETE.

LOCAL CONDITIONS BY EOR.

ISSUED FOR:

ISSUED DATE: 05/15/2024

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PROJECT NAME:

KNOTWOOD - GENERIC SCREENS SHOP DRAWINGS

PROJECT LOCATION:

DRAWING NAME:

HORIZONTAL SCREENS W/ 4X4 POST DETAILS

SEAL & SIGNATURE

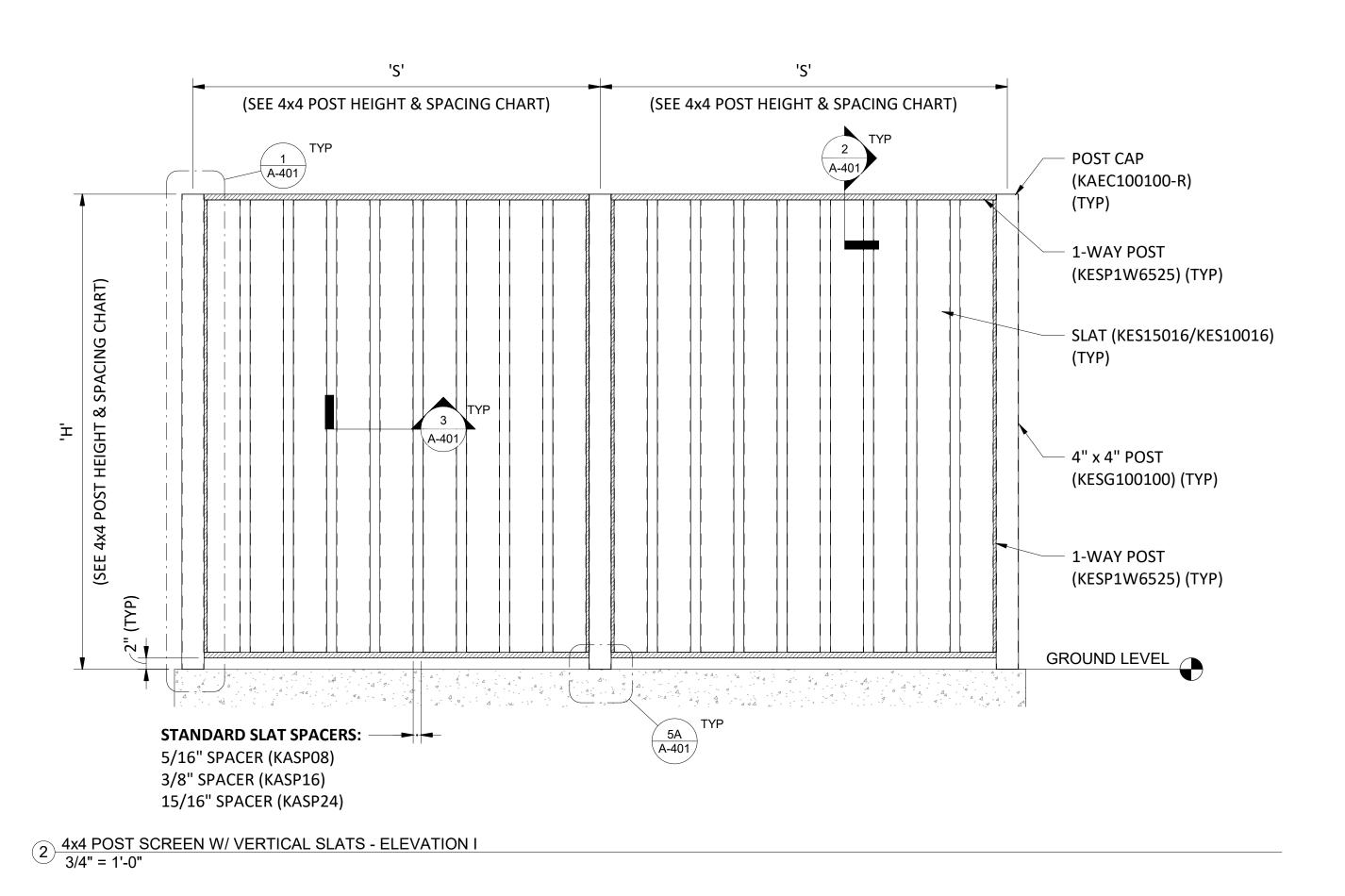
PROJECT NO:

2110314

DRAWN BY:

CHECKED BY:

DRAWING NO:



1-WAY POST (KESP1W6525)

(SEE 4x4 POST HEIGHT & SPACING CHART)

1-WAY POST

(SEE 4x4 POST HEIGHT & SPACING CHART)

(KESP1W6525) (TYP)

1 4x4 POST SCREEN W/ VERTICAL SLATS - PLAN VIEW 3/4" = 1'-0"

| 4x4 POST HEIGHT & SPACING CHART - WITH STANDARD BASEPLATE |                                     |                                     |                                   |  |  |
|---|-------------------------------------|-------------------------------------|-----------------------------------|--|--|
| POST HEIGHT 'H'<br>(MAX)                                  | POST SPACING 'S' (MAX) <sup>1</sup> | MAX DESIGN<br>PRESSURE <sup>2</sup> | MAX WIND<br>PRESSURE <sup>3</sup> |  |  |
| 6'-0"   | 3'-0"                               | 36 PSF                              | 60 PSF                            |  |  |
| 6'-0"   | 4'-0"                               | 27 PSF                              | 45 PSF                            |  |  |
| 6'-0"   | 5'-0"                               | 21 PSF                              | 36 PSF                            |  |  |
| 6'-0"   | 6'-0"                               | 18 PSF                              | 30 PSF                            |  |  |
| 7'-0"   | 3'-0"                               | 26 PSF                              | 44 PSF                            |  |  |
| 7'-0"   | 4'-0"                               | 20 PSF                              | 33 PSF                            |  |  |
| 7'-0"   | 5'-0"                               | 16 PSF                              | 26 PSF                            |  |  |
| 7'-0"   | 6'-0"                               | 13 PSF                              | 22 PSF                            |  |  |
| 8'-0"   | 3'-0"                               | 20 PSF                              | 34 PSF                            |  |  |
| 8'-0"   | 4'-0"                               | 15 PSF                              | 25 PSF                            |  |  |
| 8'-0"   | 5'-0"                               | 12 PSF                              | 20 PSF                            |  |  |
| 8'-0"   | 6'-0"                               | 10 PSF                              | 17 PSF                            |  |  |
| 9'-0"   | 3'-0"                               | 16 PSF                              | 26 PSF                            |  |  |
| 9'-0"   | 4'-0"                               | 12 PSF                              | 20 PSF                            |  |  |
| 9'-0"   | 5'-0"                               | 9.7 PSF                             | 16 PSF                            |  |  |
| 9'-0"   | 6'-0"                               | 8.1 PSF                             | 13 PSF                            |  |  |
| 10'-0"  | 3'-0"                               | 13 PSF                              | 21 PSF                            |  |  |
| 10'-0"  | 4'-0"                               | 9.8 PSF                             | 16 PSF                            |  |  |
| 10'-0"  | 5'-0"                               | 7.8 PSF                             | 13 PSF                            |  |  |
| 10'-0"  | 6'-0"                               | 6.5 PSF                             | 11 PSF                            |  |  |

1. MAX POST SPACING BASED ON SOLID SCREEN WITH MINIMAL GAPS.

2. MAX ALLOWED ASD FACTORED LOAD FOR SCREEN AS DEFINED BY ASCE 7.

3 4x4 POST SCREEN W/ VERTICAL SLATS - ELEVATION II 3/4" = 1'-0"

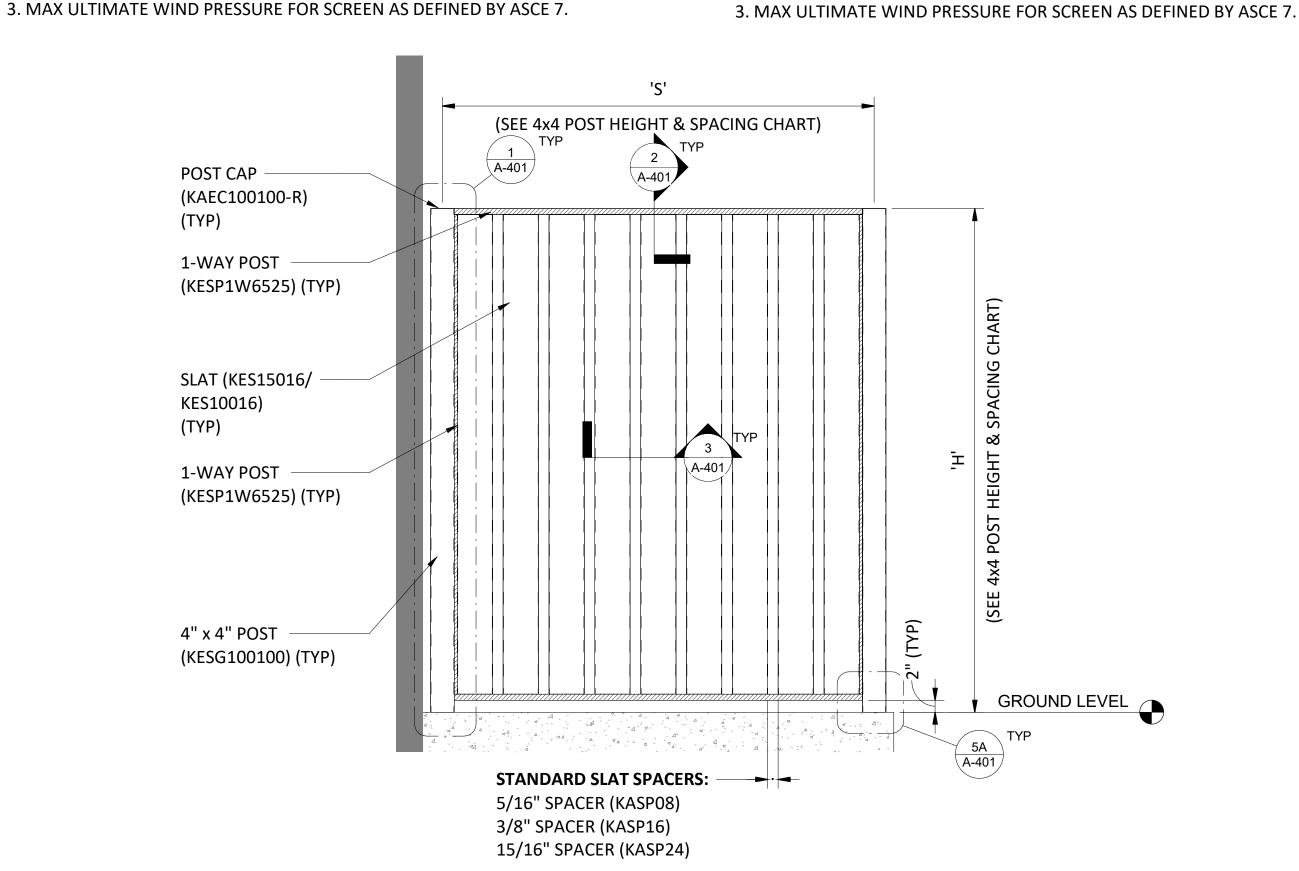
- SLAT (KES15016/KES10016)

(TYP)

- 4" x 4" POST

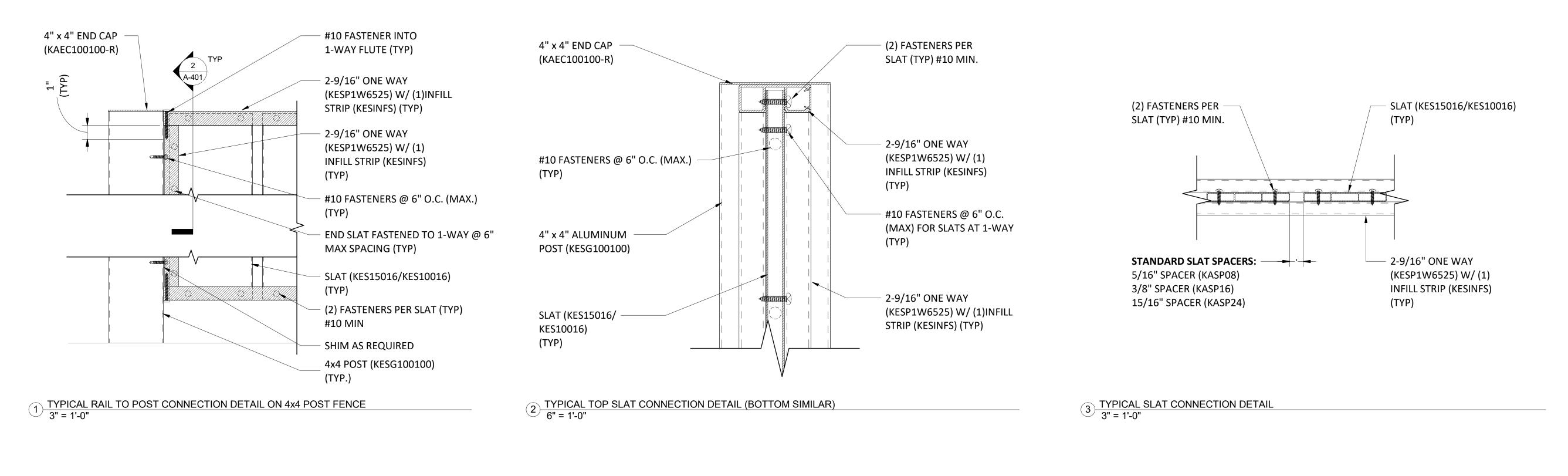
(KESG100100) (TYP)

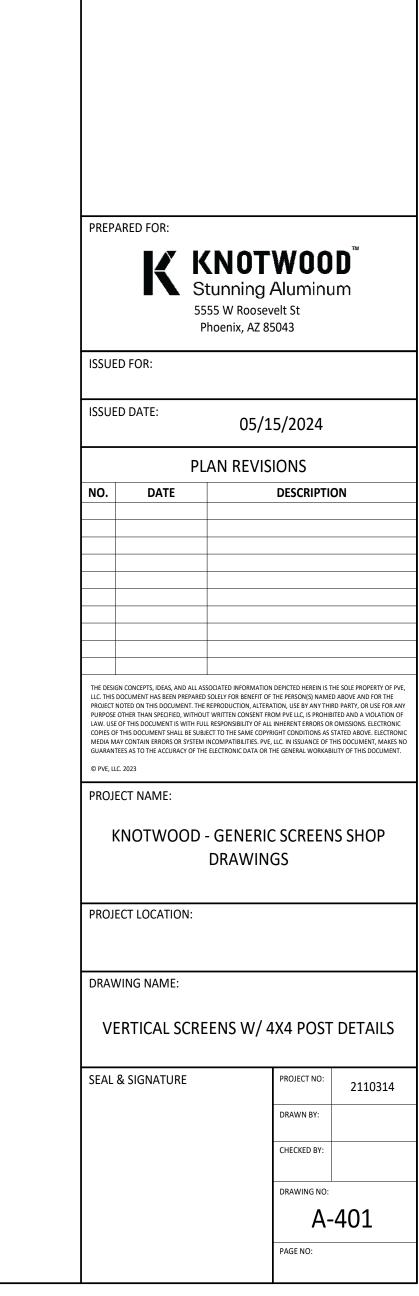
| 10'-0"            | 5'-0"              | 14 PSF         | 24 PSF           |      |
|-------------------|--------------------|----------------|------------------|------|
| 10'-0"            | 6'-0"              | 12 PSF         | 20 PSF           |      |
| 1. MAX POST SPAC  | CING BASED ON SOLI | D SCREEN WITH  | MINIMAL GAPS.    |      |
| 2. MAX ALLOWED    | ASD FACTORED LOA   | D FOR SCREEN A | S DEFINED BY ASC | CE 7 |
| 2 848V/111TI848TE | WIND DECCLIBE FO   | D CODEEN AC DE |                  |      |



|           |  | KN0TW00  |  |
|-----------|--|--|--|
|           | 1  | KNOTWOO<br>Stunning Aluminu<br>5555 W Roosevelt St<br>Phoenix, AZ 85043  | ım   |
| ISSUE     | D FOR:   |  |  |
| ISSUE     | D DATE:  | 05/15/2024   |  |
|           |  | PLAN REVISIONS   |  |
| NO.       | DATE   | DESCRIPTIO   | ON   |
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|           |  |  |  |
| PROJE     | ECT LOCATION:  | ·  |  |
|           | ECT LOCATION:  |  |  |
|           | VING NAME:   | L SCREENS W/ 4X4 P   | POST   |
| DRAV      | VING NAME:   |  | POST 2110  |
| DRAV      | VING NAME:  VERTICA  | L SCREENS W/ 4X4 P   |  |
| DRAV      | VING NAME:  VERTICA  | L SCREENS W/ 4X4 P   |  |
| DRAV      | VING NAME:  VERTICA  | PROJECT NO:  DRAWN BY:  CHECKED BY:  DRAWING NO:   |  |

| POST HEIGH            | T & SPACING CHART                   | - WITH STANDA                       | RD BASEPLATE                      | 4x4 POST HEI          | GHT & SPACING CHA                   | RT - WITH EMBE                      | DDED POST                         |
|-----------------------|-------------------------------------|-------------------------------------|-----------------------------------|-----------------------|-------------------------------------|-------------------------------------|-----------------------------------|
| Г HEIGHT 'H'<br>(MAX) | POST SPACING 'S' (MAX) <sup>1</sup> | MAX DESIGN<br>PRESSURE <sup>2</sup> | MAX WIND<br>PRESSURE <sup>3</sup> | POST HEIGHT 'H' (MAX) | POST SPACING 'S' (MAX) <sup>1</sup> | MAX DESIGN<br>PRESSURE <sup>2</sup> | MAX WIND<br>PRESSURE <sup>3</sup> |
| 6'-0"                 | 3'-0"                               | 36 PSF                              | 60 PSF                            | 6'-0"                 | 3'-0"                               | 66 PSF                              | 111 PSF                           |
| 6'-0"                 | 4'-0"                               | 27 PSF                              | 45 PSF                            | 6'-0"                 | 4'-0"                               | 50 PSF                              | 83 PSF                            |
| 6'-0"                 | 5'-0"                               | 21 PSF                              | 36 PSF                            | 6'-0"                 | 5'-0"                               | 40 PSF                              | 67 PSF                            |
| 6'-0"                 | 6'-0"                               | 18 PSF                              | 30 PSF                            | 6'-0"                 | 6'-0"                               | 33 PSF                              | 55 PSF                            |
| 7'-0"                 | 3'-0"                               | 26 PSF                              | 44 PSF                            | 7'-0"                 | 3'-0"                               | 49 PSF                              | 82 PSF                            |
| 7'-0"                 | 4'-0"                               | 20 PSF                              | 33 PSF                            | 7'-0"                 | 4'-0"                               | 36 PSF                              | 61 PSF                            |
| 7'-0"                 | 5'-0"                               | 16 PSF                              | 26 PSF                            | 7'-0"                 | 5'-0"                               | 29 PSF                              | 49 PSF                            |
| 7'-0"                 | 6'-0"                               | 13 PSF                              | 22 PSF                            | 7'-0"                 | 6'-0"                               | 24 PSF                              | 41 PSF                            |
| 8'-0"                 | 3'-0"                               | 20 PSF                              | 34 PSF                            | 8'-0"                 | 3'-0"                               | 37 PSF                              | 62 PSF                            |
| 8'-0"                 | 4'-0"                               | 15 PSF                              | 25 PSF                            | 8'-0"                 | 4'-0"                               | 28 PSF                              | 47 PSF                            |
| 8'-0"                 | 5'-0"                               | 12 PSF                              | 20 PSF                            | 8'-0"                 | 5'-0"                               | 22 PSF                              | 37 PSF                            |
| 8'-0"                 | 6'-0"                               | 10 PSF                              | 17 PSF                            | 8'-0"                 | 6'-0"                               | 18 PSF                              | 31 PSF                            |
| 9'-0"                 | 3'-0"                               | 16 PSF                              | 26 PSF                            | 9'-0"                 | 3'-0"                               | 29 PSF                              | 49 PSF                            |
| 9'-0"                 | 4'-0"                               | 12 PSF                              | 20 PSF                            | 9'-0"                 | 4'-0"                               | 22 PSF                              | 37 PSF                            |
| 9'-0"                 | 5'-0"                               | 9.7 PSF                             | 16 PSF                            | 9'-0"                 | 5'-0"                               | 17 PSF                              | 29 PSF                            |
| 9'-0"                 | 6'-0"                               | 8.1 PSF                             | 13 PSF                            | 9'-0"                 | 6'-0"                               | 14 PSF                              | 24 PSF                            |
| 10'-0"                | 3'-0"                               | 13 PSF                              | 21 PSF                            | 10'-0"                | 3'-0"                               | 24 PSF                              | 40 PSF                            |
| 10'-0"                | 4'-0"                               | 9.8 PSF                             | 16 PSF                            | 10'-0"                | 4'-0"                               | 18 PSF                              | 30 PSF                            |
| 10'-0"                | 5'-0"                               | 7.8 PSF                             | 13 PSF                            | 10'-0"                | 5'-0"                               | 14 PSF                              | 24 PSF                            |





ANCHORAGE DESIGN IS BASED ON MAXIMUM MOMENT ALLOWED

BY BASEPLATE WITH 8" MIN. THICK 4000 PSI CONCRETE.

LOCAL CONDITIONS BY EOR.

ANCHORAGE CAN BE DESIGNED

FOR REDUCED LOADS BASED ON

