

# KNOTWOOD STANDARD FENCING LAYOUTS

**PROPERTY MANAGER:**

PER ARCHITECT/ENGINEER

**DESIGN ENGINEER:**

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

**DRAWING LIST:**

T-100	TITLE SHEET
G-100	GENERAL NOTES
A-100	4X4 POST - 6' HIGH FENCING
A-101	2½X2½ POST - 6' HIGH FENCING
A-102	2½X2½ POST - 5' HIGH FENCING
A-103	2½X2½ POST - 4' HIGH FENCING

**ABBREVIATIONS:**

ABV	ABOVE
ACI	AMERICAN CONCRETE INSTITUTE
ADD'L	ADDITIONAL
AE	AIR-ENTRAINED
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS
AWS	AMERICAN WELDING SOCIETY
B	BOTTOM
B/	BOTTOM OF
BH	BULKHEAD
BLDG	BUILDING
BM	BEAM
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
DWLS	DOWELS
E	EXISTING
EA	EACH

**ABBREVIATIONS (CONT.):**

EF	EACH FACE
EL	ELEVATION
EMBED	EMBEDMENT
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXIST	EXISTING
EXP	EXPANSION
FE	FIRE ESCAPE
FT	FOOT/FEET
GALV	GALVANIZE
HORIZ	HORIZONTAL
HS	HIGH STRENGTH
IN	INCH(ES)
I.F.	INSIDE FACE
JT	JOINT
K	KIPS (1000 POUNDS)
L	LENGTH
LBS	POUNDS
LLH	LONG LEG HORIZ
LLV	LONG LEG VERT
MAX	MAXIMUM
MANUF	MANUFACTURER
MECH	MECHANICAL
MEP	MECH/ELECT/PLUMBING
MIN	MINIMUM

**ABBREVIATIONS (CONT.):**

NLWT	NORMAL WEIGHT
(N)	NEW
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
O.F.	OUTER FACE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
REF	REFERENCE
REINF	REINFORCING OR REINFORCEMENT
REQ'D	REQUIRED
SCHED	SCHEDULE
SDI	STEEL DECK INSTITUTE
SIM	SIMILAR
SOG	SLAB-ON-GRADE
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
TOS	TOP OF STEEL
THK	THICK
TMS	THE MASONRY SOCIETY
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W/C	WATER-CEMENTITIOUS MATERIAL RATIO
W	WIDTH
WWR	WELDED WIRE REINFORCEMENT

DRAWING SCALE:  
AS NOTED



PREPARED BY:



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FAX: (724)-444-1104  
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PREPARED FOR:  
KNOTWOOD A DIVISION OF  
OMNIMAX INTERNATIONAL, INC  
30 TECHNOLOGY PKWY S, SUITE 400/SUITE 600  
PEACHTREE CORNERS, GA 30092

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DATE ISSUED: 03/26/2020

PLAN REVISIONS		
No.	DATE	DESCRIPTION

SITUATED IN: FLORIDA

PROJECT NAME:  
KNOTWOOD - STANDARD  
FENCING LAYOUTS

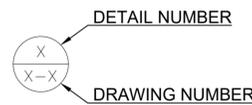
DRAWING NAME:  
TITLE SHEET

PROJECT NO: 161640.49  
DRAWING NO: T-100

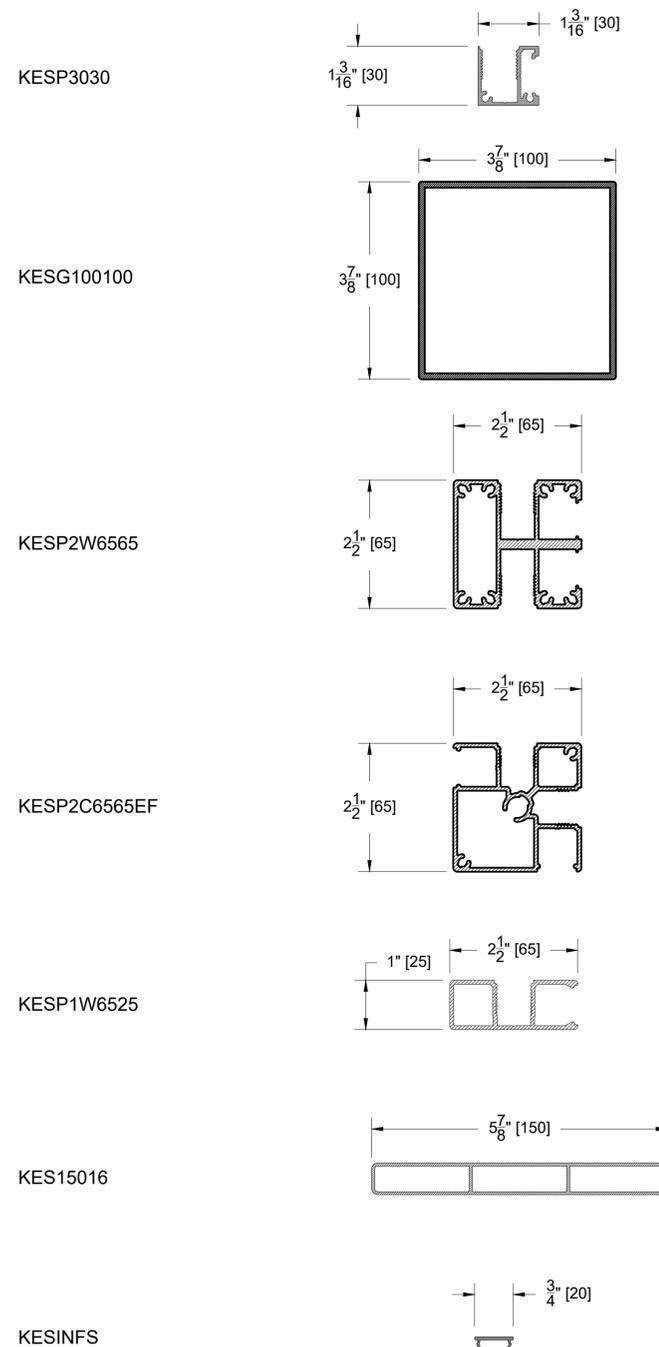
**GENERAL NOTES:**

1. DRAWING REFERENCE:  
N/A
2. MATERIAL NOTES:  
  
KNOTWOOD ALUMINUM FENCE POSTS:  
COLOR: TBD (A/E TO VERIFY)  
STOCK LENGTH (MAXIMUM LENGTH): 18'-6".  
6063-T6  
F<sub>y</sub>: 25 KSI  
F<sub>u</sub>: 30 KSI  
E: 10X10<sup>3</sup> KSI  
  
KNOTWOOD ALUMINUM FENCE SLATS:  
COLOR: TBD (A/E TO VERIFY)  
STOCK LENGTH (MAXIMUM LENGTH): 18'-6".  
6063-T5  
F<sub>y</sub>: 16 KSI  
F<sub>u</sub>: 22 KSI  
E: 10X10<sup>3</sup> KSI  
  
SCREWS:  
SELF-TAPPING METAL SCREWS - #10 MINIMUM.  
GALVANIZED UNLESS NOTED OTHERWISE  
ALUMINUM WHERE NOTED AT HIGH/SALT EXPOSURE.
3. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO INSTALLATION. DO NOT SCALE OFF DRAWINGS.
4. ALL MEMBERS SHALL BE SAW CUT IN FIELD AS REQUIRED.
5. NO SPLICES SHALL BE PERMITTED UNLESS INDICATED OTHERWISE ON DRAWINGS.
6. TOUCH UP ALL SCRATCHES WITH DEALER PROVIDED COLORS TO MATCH.
7. WELDING IS NOT PERMITTED, UNLESS OTHERWISE INDICATED ON DRAWINGS.
8. THE CONTENTS SHOW THE APPLICATION OF ALUMINUM KNOTWOOD FRAMING COMPONENTS ONLY. THE INSTALLING CONTRACTOR IS TO REFER TO THE PROJECT DOCUMENTS FOR ADDITIONAL REQUIREMENTS.
9. 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.
10. 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.
11. 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.
12. THIS SUBMITTAL IS SUBJECT TO THE REVIEW AND APPROVAL OF THE PROJECT ARCHITECT/ENGINEER OF RECORD PRIOR TO INSTALLATION.
13. ALL ALUMINUM EMBEDDED IN CONCRETE SHALL BE WRAPPED.
14. THESE DETAILS DO NOT INCLUDE DESIGN OF THE FOUNDATION OR EQUIVALENT BASEPLATE & ANCHORAGE CONNECTIONS.

**LEGEND:**



**ENLARGED PART DETAILS:**



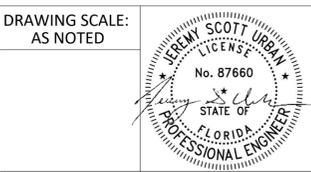
**TYPICAL SCREW FASTENER LEGEND:**

ALL FASTENERS SHOWN ARE TYPICAL OPTIONS TO USE.

- #10-16X5/8" BLAZER LO PROFILE PANCAKE HEAD SELF DRILLING SCREW (2/2 QUADREX DRIVE) (METAL TO METAL) MANUF. PART NO. CSSD5-#10X5/8"-PC-QX-F TRIANGLE FASTENER 1-800-486-1832
- #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
- #12-11X1" GP SELF DRILLING SCREW (2/2 QUADREX DRIVE) (THIN METAL) MANUF. PART NO. 12100SPCGCSTS TRIANGLE FASTENER 1-800-486-1832
- #12-14X1" HEX WASHER HEAD (HWH) SELF DRILLING SCREW (5/16" HEX-HEAD) (METAL TO METAL) MANUF. PART NO. 12100HW3CS TRIANGLE FASTENER 1-800-486-1832

**KNOTWOOD WOODGRAIN COLORS LEGEND:**

STANDARD KNOTWOOD COLORS SHOWN, ADDITIONAL CUSTOM COLORS AVAILABLE.



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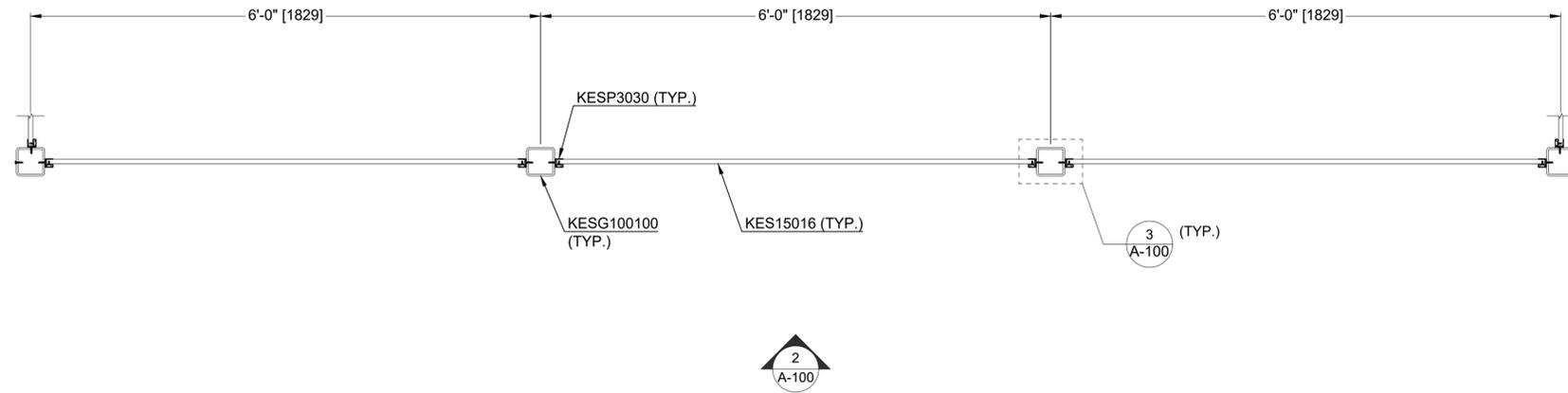
SITUATED IN: FLORIDA

PROJECT NAME:  
KNOTWOOD - STANDARD FENCING LAYOUTS

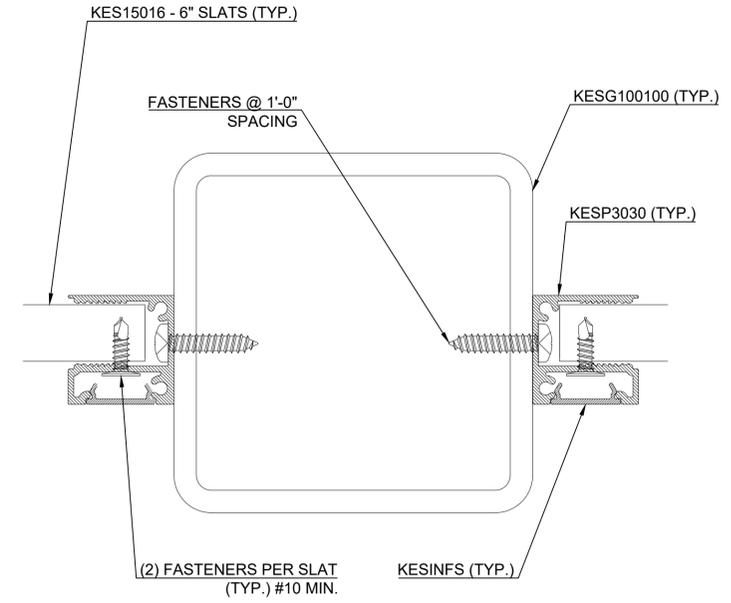
DRAWING NAME:  
GENERAL NOTES

PROJECT NO: 161640.49  
DRAWING NO: G-100

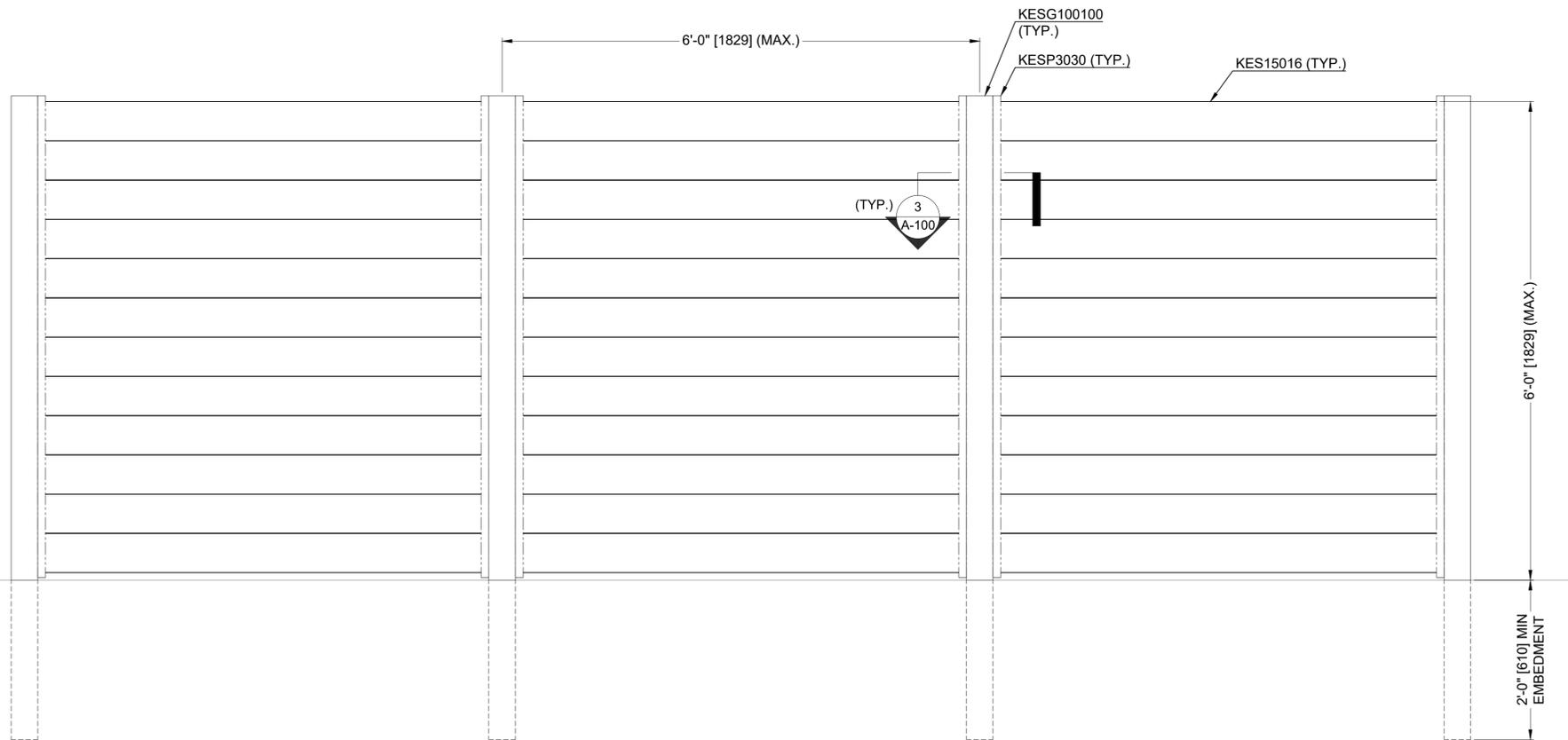
PAGE NO: 2 OF 6



1 **4X4 POST - 6' HIGH FENCING PLAN VIEW (SINGLE SIDE SHOWN)**  
SCALE: 1/4" = 1'-0"



3 **TYPICAL POST CONNECTION DETAIL**  
SCALE: 1'-0" = 1'-0"



2 **4X4 POST - 6' HIGH FENCING ELEVATION VIEW**  
SCALE: 1/4" = 1'-0"

DRAWING SCALE:  
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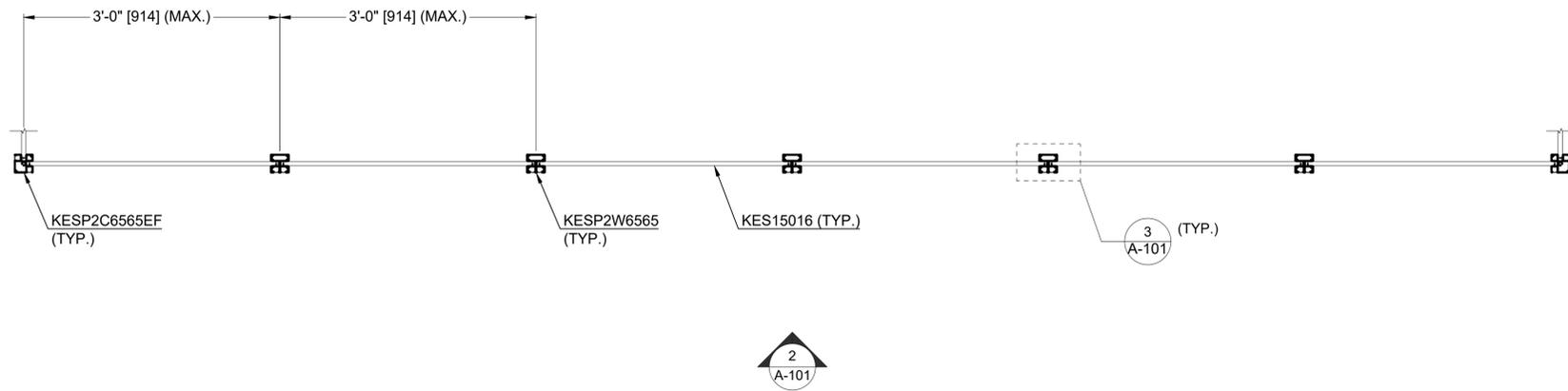
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FLORIDA

PROJECT NAME:  
KNOTWOOD - STANDARD  
FENCING LAYOUTS

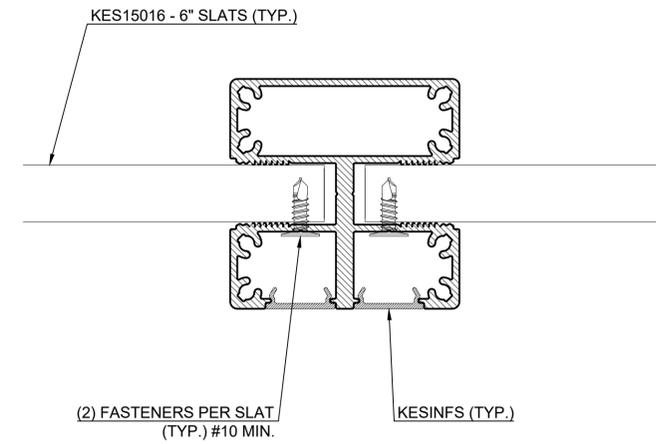
DRAWING NAME:  
4X4 POST - 6' HIGH FENCING

PROJECT NO: **161640.49** DRAWING NO: **A-100**

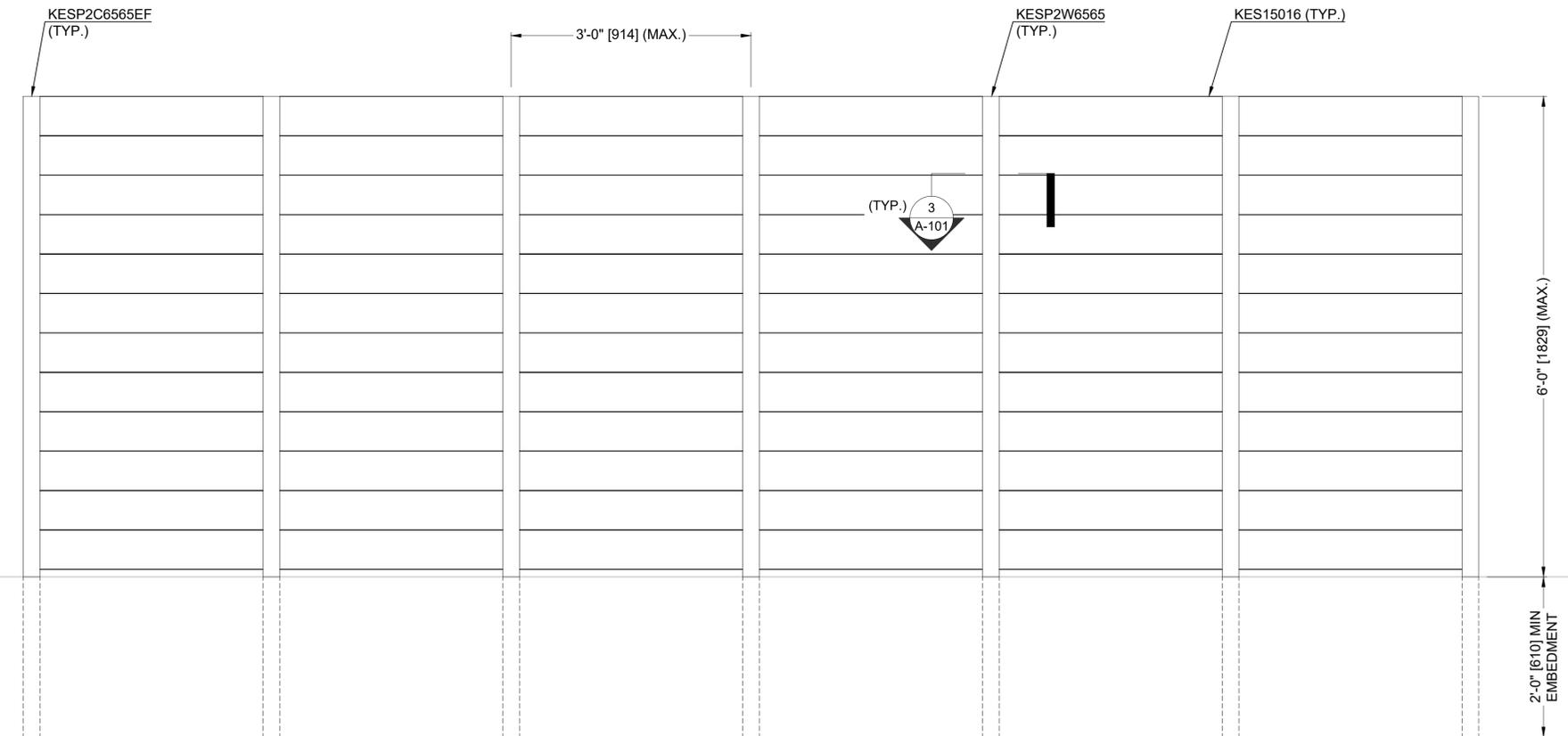
PAGE NO: 3 OF 6



1 2-1/2X2-1/2 POST - 6' HIGH FENCING PLAN VIEW (SINGLE SIDE SHOWN)  
SCALE: 1/4" = 1'-0"

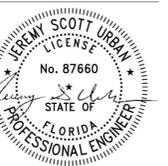


3 TYPICAL POST CONNECTION DETAIL  
SCALE: 1'-0" = 1'-0"



2 2-1/2X2-1/2 POST - 6' HIGH FENCING ELEVATION VIEW  
SCALE: 1/4" = 1'-0"

DRAWING SCALE:  
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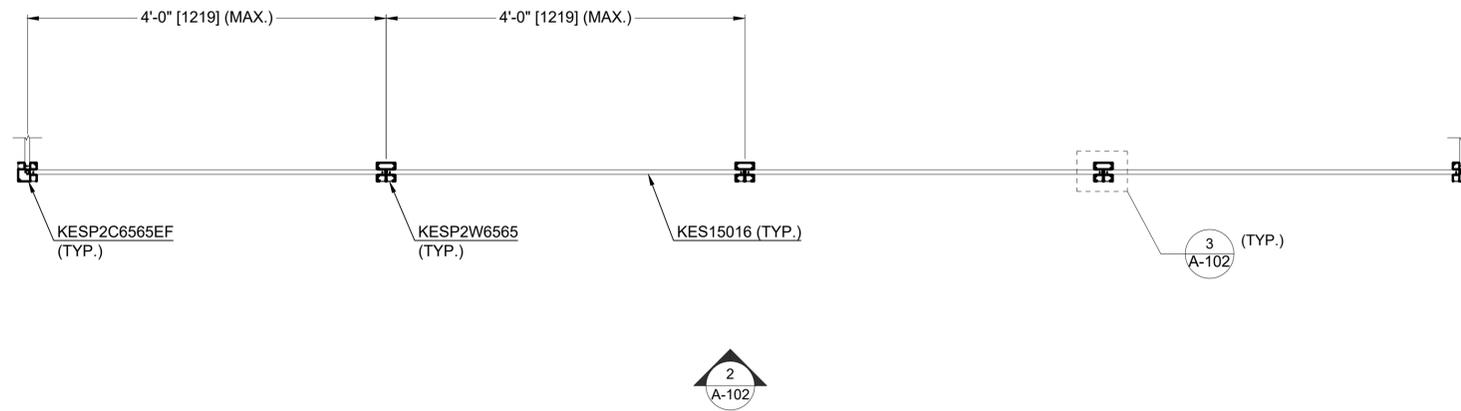
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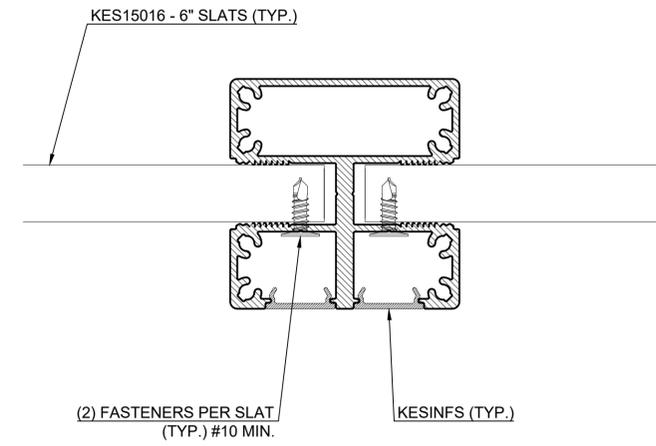
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2 1/2 X 2 1/2 POST - 6' HIGH FENCING

PROJECT NO: 161640.49  
DRAWING NO: A-101

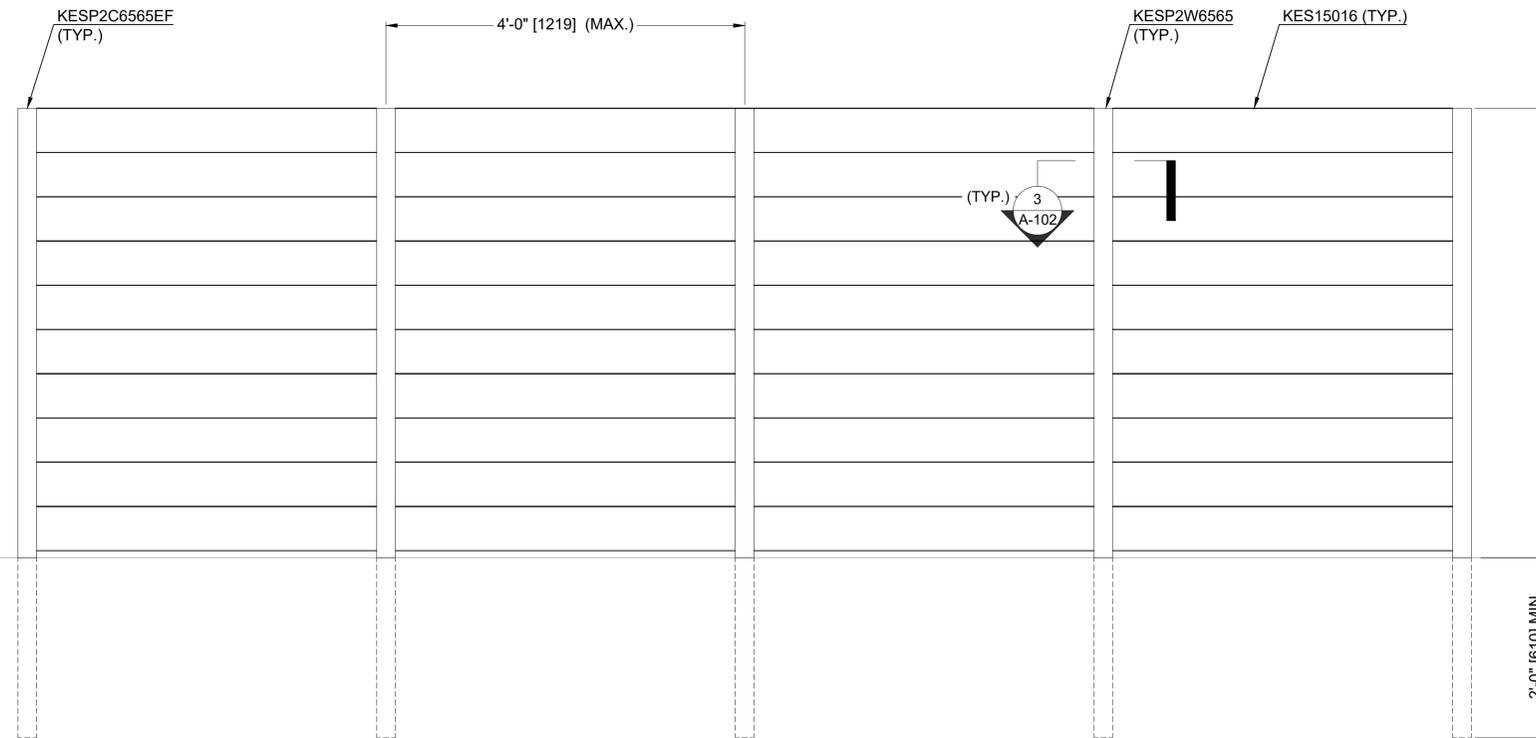
PAGE NO: 4 OF 6



1 **2-1/2X2-1/2 POST - 5' HIGH FENCING PLAN VIEW (SINGLE SIDE SHOWN)**  
SCALE: 1/4" = 1'-0"

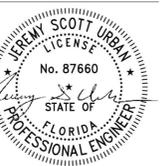


3 **TYPICAL POST CONNECTION DETAIL**  
SCALE: 1'-0" = 1'-0"



2 **2-1/2X2-1/2 POST - 5' HIGH FENCING ELEVATION VIEW**  
SCALE: 1/4" = 1'-0"

DRAWING SCALE:  
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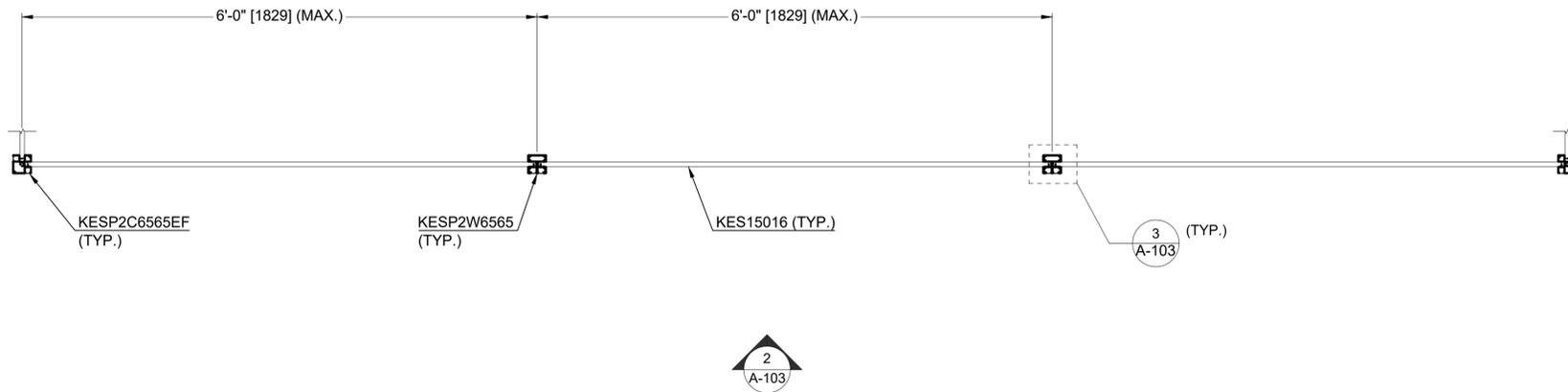
SITUATED IN:  
FLORIDA

PROJECT NAME:  
KNOTWOOD - STANDARD  
FENCING LAYOUTS

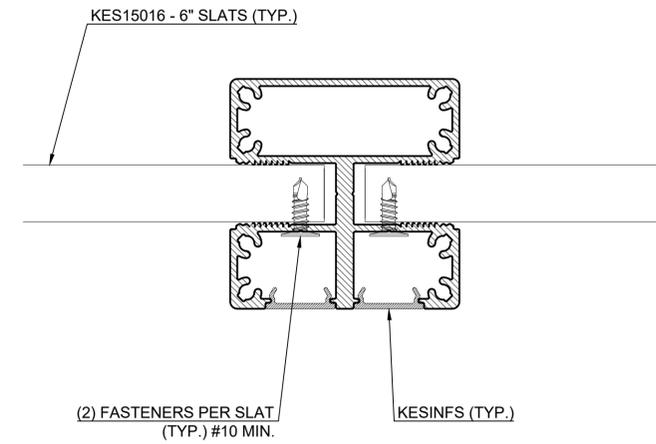
DRAWING NAME:  
2 1/2 X 2 1/2 POST - 5' HIGH FENCING

PROJECT NO: **161640.49** DRAWING NO: **A-102**

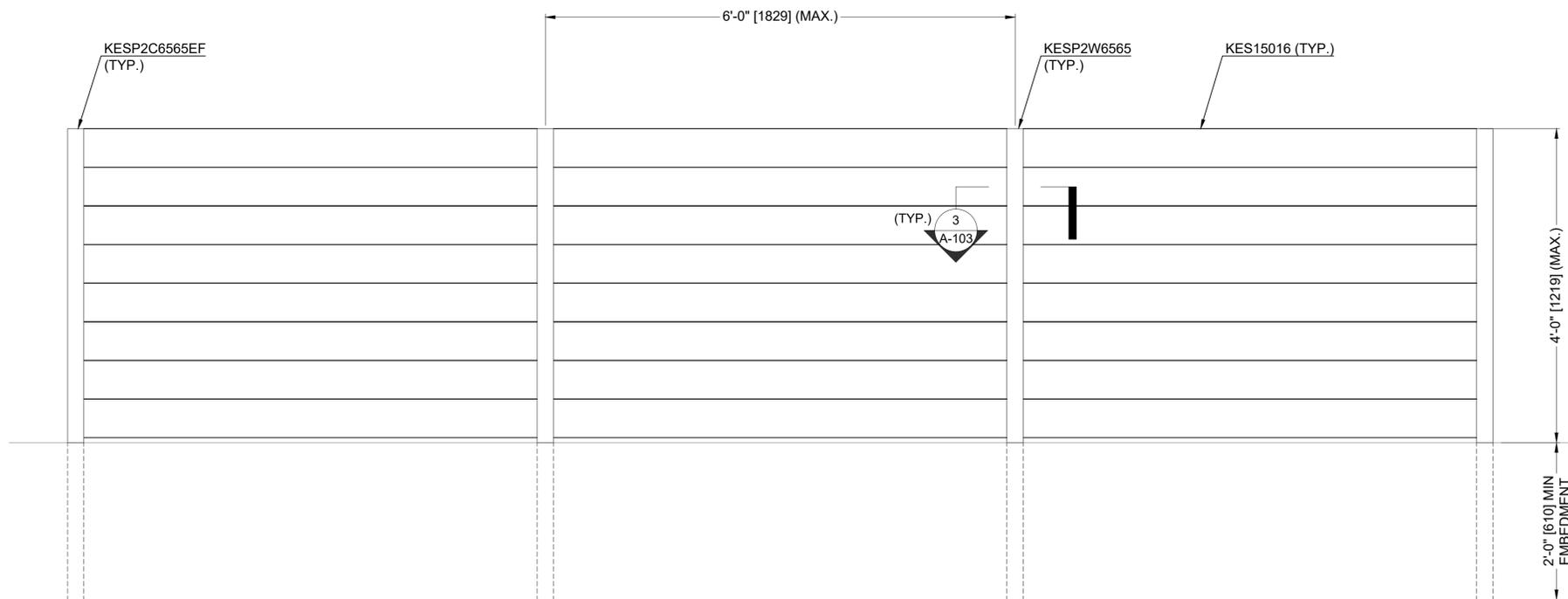
PAGE NO: 5 OF 6



1 **2-1/2X2-1/2 POST - 4' HIGH FENCING PLAN VIEW (SINGLE SIDE SHOWN)**  
SCALE: 1/4" = 1'-0"



3 **TYPICAL POST CONNECTION DETAIL**  
SCALE: 1'-0" = 1'-0"



2 **2-1/2X2-1/2 POST - 4' HIGH FENCING ELEVATION VIEW**  
SCALE: 1/4" = 1'-0"

DRAWING SCALE:  
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DRAWING NAME:  
2 1/2 X 2 1/2 POST - 4' HIGH FENCING

PROJECT NO: **161640.49**  
DRAWING NO: **A-103**

PAGE NO: 6 OF 6