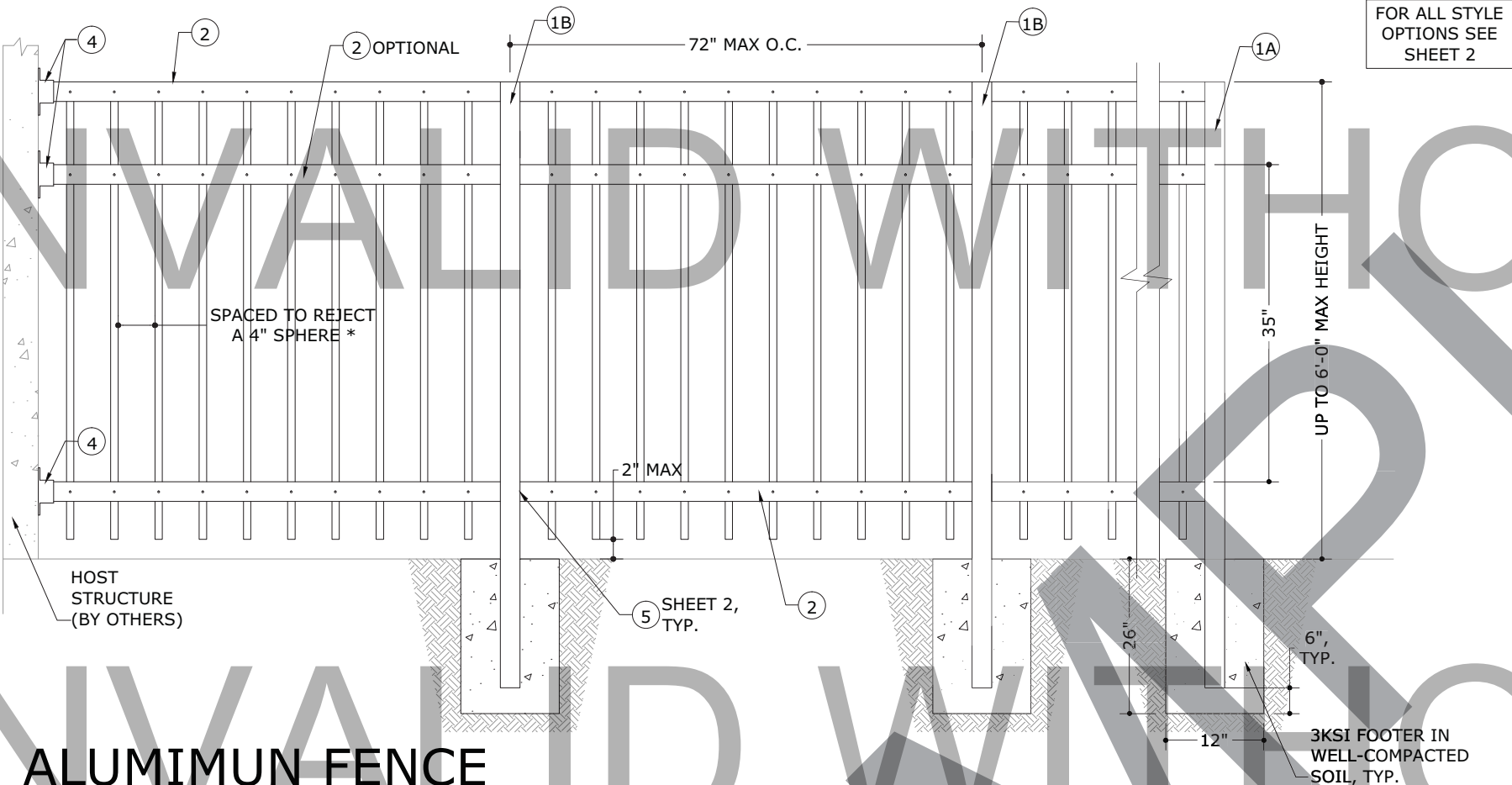




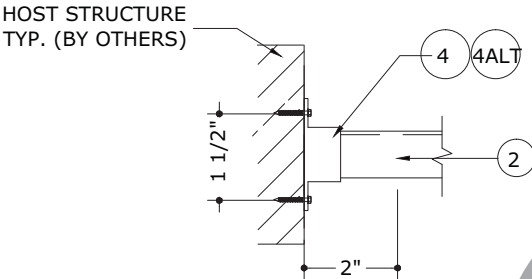
MECHANICAL ALUMINUM FENCE MASTER PLAN SHEET

(NON-STRUCTURAL, DECORATIVE BARRIER, TYPICAL INSTALLATION (GROUND LEVEL NON-SLOPED ONLY))



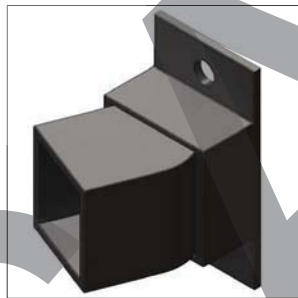
FOR ALL STYLE
OPTIONS SEE
SHEET 2

ALUMIMUN FENCE BERKSHIRE OPTION SHOWN

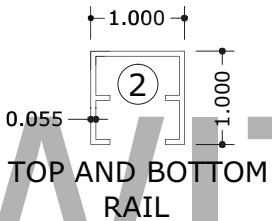


ATTACHMENT TO HOST:
(2) 1/4\"/>

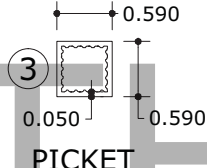
OPTIONAL WALL ATTACHMENT, TYP. TOP, BOTTOM & MID RAIL



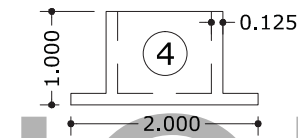
SWIVEL 4ALT BRACKET OPTION



TOP AND BOTTOM RAIL



PICKET



IRONCRAFT WALL BRACKET (STANDARD BRACKET SHOWN)

EXTRUSIONS (INCHES)

6063-T3 MINIMUM. EXTRUSION TOLERANCES
TO BE PER INDUSTRY STANDARDS

GENERAL NOTES:

- THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE SIXTH EDITION (2017).
- DESIGN BASED ON ASCE 7-10 USING $V_{ult} = 115\text{MPH}$ / $V_{asd} = 90\text{MPH}$, EXPOSURE 'D', RISK CATEGORY 1, USING THE 'OPEN SIGN METHOD'. 70% OPEN USED IN CALCULATIONS. SEISMIC DESIGN DOES NOT GOVERN.
- FOR POOL APPLICATIONS**, PER FBC 454.2.17.1.8: POOL ACCESS GATES WHEN PROVIDED SHALL COMPLY WITH FBC 454.2 AND MUST BE AT LEAST 48" ABOVE GRADE & EQUIPPED WITH A SELF CLOSING, SELF LATCHING LOCKING DEVICE NOT LESS THAN 54" FROM BOT OF GATE. GATE MUST OPEN OUTWARD AWAY FROM POOL & MUST HAVE NO OPENING > 1/2" WITHIN 18" OF RELEASE MECHANISM.
- FOR NON-POOL APPLICATIONS REQUIRING EGRESS**: PER FLORIDA FIRE PREVENTION CODE 6TH EDITION, NFPA 1, 101, 2017 EDITION, GATES REQUIRING EGRESS SHALL HAVE NO LATCHES AND BE FREE SWINGING FOR QUICK EXITING. GATE SHALL HAVE SELF-CLOSING HINGES ONLY.
- THIS FENCE DESIGN TO BE USED AT LEVEL GROUND SURFACE ONLY, WITH USE LIMITED TO DECORATIVE BARRIER PURPOSES ONLY. THIS FENCE IS NOT INTENDED TO MEET CODES GOVERNING ELEVATED BALCONIES OR STRUCTURAL RAILINGS.**
- ALL FASTENERS TO BE #12 X 3/4" OR GREATER 2024-T4, 18-8 SERIES 300 NON-MAGNETIC STAINLESS STEEL, OR CADMIUM PLATED OR OTHERWISE CORROSION RESISTANT MATERIAL AND SHALL COMPLY WITH ANY APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
- ALL EXTRUDED MEMBERS SHALL BE ALUMINUM ALLOY TYPE 6063-T3 OR BETTER, U.N.O.
- ALL CONCRETE SHALL BE UNCRACKED ONLY WITH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI U.N.O. AND SHALL BE MINIMUM 1.5X THICKER THAN ANY MEMBER EMBEDMENT. ALL EPOXY AND GROUT SHALL MEET OR EXCEED COMPRESSIVE STRENGTH OF THE CONCRETE AND SHALL BE IRON-FREE, NON-SHRINK AND NON-REACTIVE. CONCRETE FOOTERS SHALL CONTAIN MIN 0.1% FIBERMESH ADMIXTURE PER CY.
- SURROUNDING SOIL TO BE COMPACTED TO 95% OPTIMUM DENSITY, 2000 PSF MIN AND SHALL BE CLASSIFIED OR VERIFIED BY OTHERS PRIOR TO CONSTRUCTION PER FBC 1806.2 AND SHALL BE SANDY GRAVEL CLASS ONLY.
- FOR ALUMINUM ATTACHMENTS ALL ANCHORS SHALL BE SPACED WITH 2xDIAMETER END DISTANCE AND 2.5xDIAMETER MIN SPACING TO ADJACENT ANCHORS, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS.
- ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
- ENGINEERING EXPRESS HAS NOT VISITED THIS JOBSITE. INFORMATION CONTAINED HEREIN IS BASED ON CONTRACTOR SUPPLIED DATA AND MEASUREMENTS. ENGINEERING EXPRESS SHALL NOT BE HELD RESPONSIBLE OR LIABLE IN ANY WAY FOR ERRONEOUS OR INACCURATE DATA OR MEASUREMENTS. WORK SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. ENGINEERING EXPRESS SHALL BE NOTIFIED AND GIVEN AN OPPORTUNITY TO REEVALUATE OUR WORK UPON DISCOVERY OF ANY INACCURATE INFORMATION PRIOR TO MODIFICATION OF EXISTING FIELD CONDITIONS AND FABRICATION AND INSTALLATION OF MATERIALS.
- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

FRANK L. BENNARDO, P.E.
0046549

04/10/2018

GORDON DIBATTISTO, P.E.
82328

NOTICE: IF THIS SHEET DOES NOT CONTAIN AN ORIGINAL SIGNATURE & ENGINEER SEAL:
IF THERE IS A DIGITAL SIGNATURE ON SHEET 1, THIS SHEET IS PART OF A DIGITALLY SIGNED FILE, SHALL REMAIN IN DIGITAL FORMAT, & **PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED.** IF THERE IS NO DIGITAL SIGNATURE ON SHEET 1 OR THIS SHEET DOES NOT CONTAIN AN ENGINEER'S ORIGINAL SIGNATURE & SEAL, THIS SHEET IS A COPY/DRAFT.

ENGINEERING EXPRESS
CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
P: (954) 354-0660 F: (954) 354-0443
E: HELLO@ENGINEERINGEXPRESS.COM
ENGINEERINGEXPRESS.COM
CERT OF AUTH #9885

ORIGIN POINT BRANDS, LLC
2465 AIR PARK RD.
CHARLESTON, SC
(843) 747-9812
RESIDENTIAL ALUMINUM FENCING
MASTER PLAN SHEET
FLORIDA BUILDING CODE

REMARKS	DATE	DRWN	CHKD
INIT ISSUE	04/06/18	JAC	FLB

THIS DOCUMENT IS THE PROPERTY OF ENGINEERING EXPRESS AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF ENGINEERING EXPRESS. ALTERATIONS, ADDITIONS OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.

COPYRIGHT ENGINEERING EXPRESS®

18-6028

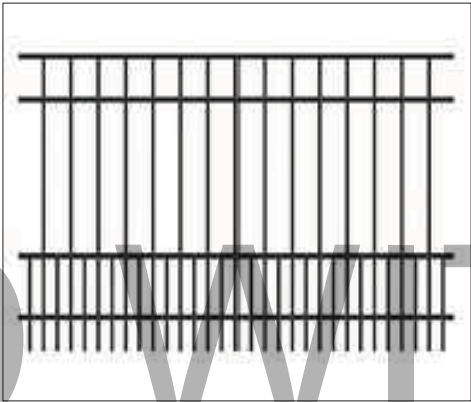
SCALE: NTS UNLESS NOTED

1 OF 2

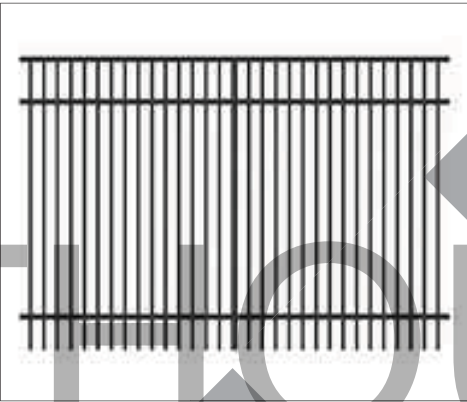
04/10/2018 - 3:59pm intern1 V:\Projects\18-6028 Iron Craft Fences - Residential Aluminum Fencing Specifications\WP18-6028e - Iron Craft Fences - Residential Aluminum Fencing Specifications.dwg



BERKSHIRE



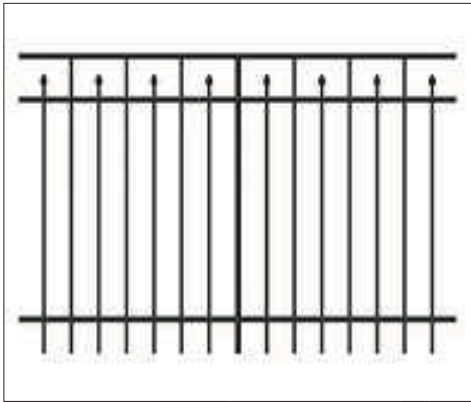
CHATHAM



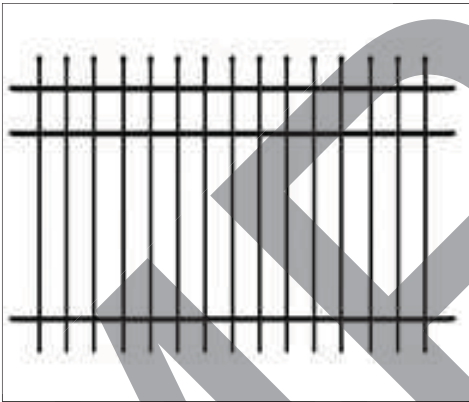
CHESHIRE



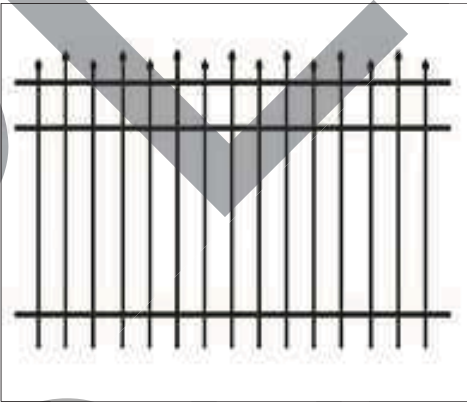
EASTHAM



HEMPSTED

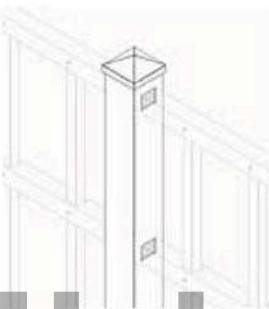
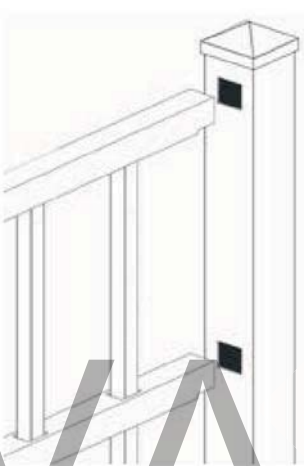


ORLEANS

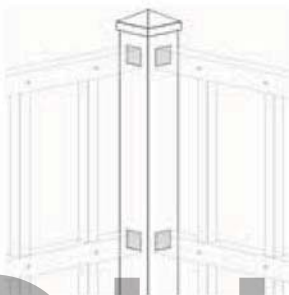


TRURO

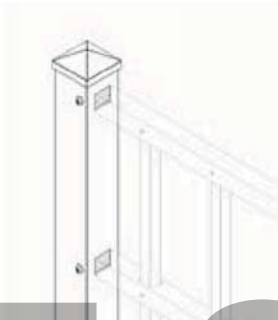
STYLE OPTIONS



LINE POST



CORNER POST



END/GATE POST

POST SLOT LOCATIONS

5 FENCE PANEL TO POST ATTACHMENT

FRANK L. BENNARDO, P.E.
0046549



04/10/2018

GORDON DIBATTISTO, P.E.
82328

NOTICE: IF THIS SHEET DOES NOT CONTAIN AN ORIGINAL SIGNATURE & ENGINEER SEAL:
IF THERE IS A DIGITAL SIGNATURE ON SHEET 1, THIS SHEET IS PART OF A DIGITALLY SIGNED FILE, SHALL REMAIN IN DIGITAL FORMAT, & **PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED.** IF THERE IS NO DIGITAL SIGNATURE ON SHEET 1 OR THIS SHEET DOES NOT CONTAIN AN ENGINEER'S ORIGINAL SIGNATURE & SEAL, THIS SHEET IS A COPY/DRAFT.



ENGINEERING EXPRESS®
CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
P: (954) 354-0660 F: (954) 354-0443
E: HELLO@ENGINEERINGEXPRESS.COM
CERT OF AUTH #9885

ORIGIN POINT BRANDS, LLC
2465 AIR PARK RD.
CHARLESTON, SC
(843) 747-9812

RESIDENTIAL ALUMINUM FENCING
MASTER PLAN SHEET
FLORIDA BUILDING CODE

REMARKS
INIT ISSUE

DATE
04/06/18

COPYRIGHT ENGINEERING EXPRESS®

18-6028

SCALE: NTS UNLESS NOTED

2

OF
2