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Project: 005627000 AMZ IXD (RFD2)-Huntley IL
11500 Freeman Road
Huntley, Illinois 60142

Submittal #32 35 16-1.0 - Sound Wall 32 35 16 - Sound Barriers

Revision	0	Submittal Manager	Nate Field (Ryan Companies US Inc)
Status	Open	Date Created	Jun 27, 2021
Issue Date	Jun 27, 2021	Spec Section	32 35 16 - Sound Barriers
Responsible Contractor		Received From	
Received Date		Submit By	

SUBMITTAL
NO. 32-3516-1.0 DATE: _____

☒ APPROVED ☐ APPROVED AS NOTED ☐ REJECTED
☐ REVISE AND RESUBMIT ☐ FOR RECORD ONLY

CONTRACTOR'S APPROVAL IS FOR GENERAL CONFORMANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY AND IN NO WAY RELIEVES CONTRACTOR/SUBCONTRACTOR/VENDOR OF ITS RESPONSIBILITY FOR DIMENSIONS, DETAILS AND THE PERFORMANCE OF ITS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS

COMMENTS:
BY: Nate Field DATE: 06-27-2021
RYAN COMPANIES US, INC.

JACOB & HEFNER ASSOCIATES INC.

Corrections or comments made on the shop drawings during this review do not relieve contractor from compliance with the requirements of the drawings and specifications. This check is only for review of general conformance with the information given in the contract documents. The contractor is responsible for confirming and correlating all quantities and dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of all other trades and performing his work in a safe and satisfactory manner.

NO EXCEPTIONS NOTED

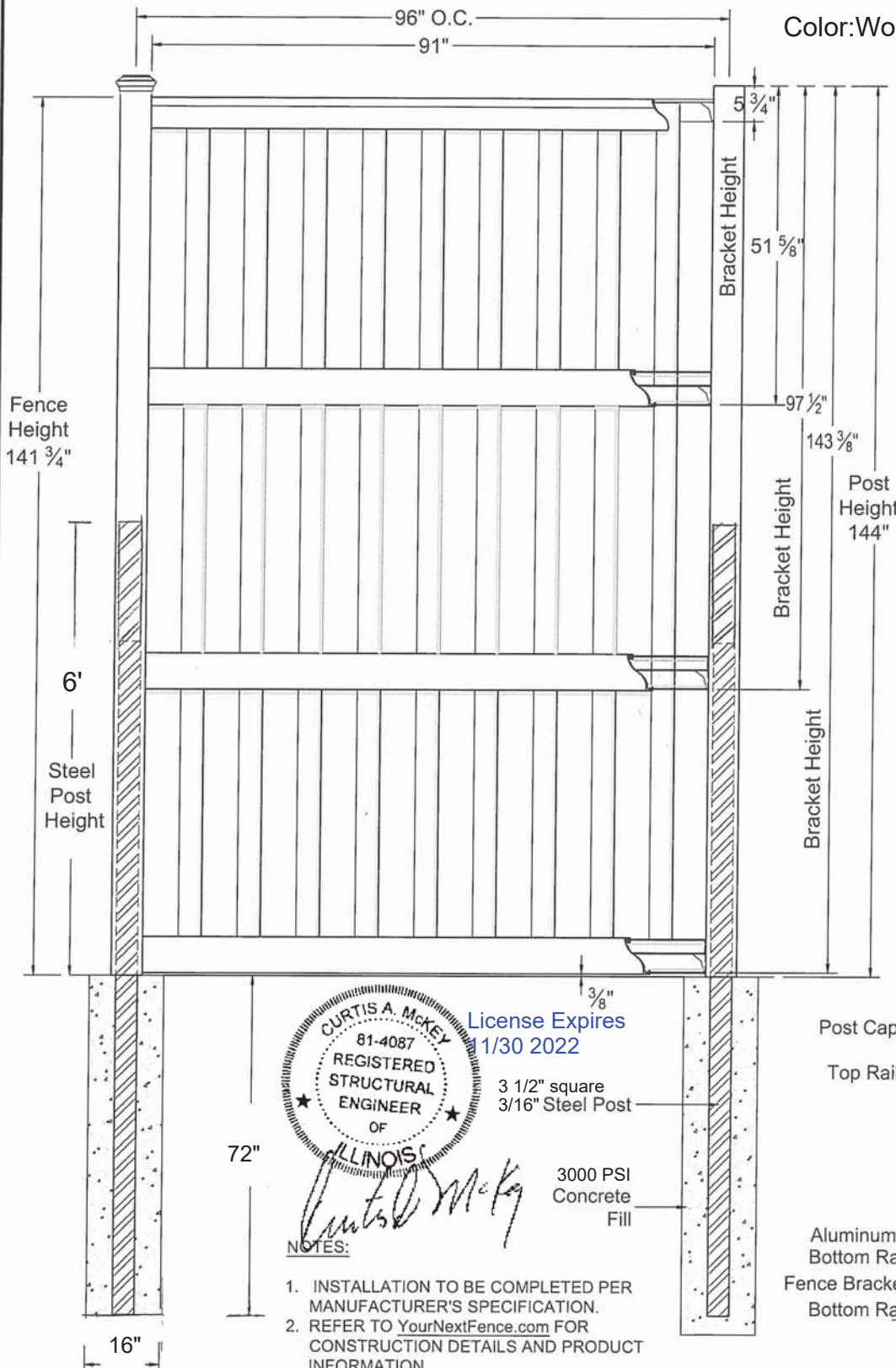
Date: Jul 12, 2021 By: RJG

Trex® Seclusions®

COMPOSITE FENCE SYSTEMS

Fence Height: 12'

Color: Woodland Brown



COMPONENT	QTY.	LENGTH
Post Cap 	1	N/A
Post 	1	144"
Galv. Steel Post 	1	144"
Top Rail 	1	91"
Bottom Rail / Picket (Cut to 45 1/2") 	28.5	91"
Bottom Rail / Picket 	6	91"
Aluminum Bottom Rail 	3	90 1/2"
Fence Bracket 	8	N/A
Ext. Wood Screw 	24	1 5/8"
	16	3/4"
	6	1"
Self-Drilling Screw #14 icon"/>	2	1 1/2"

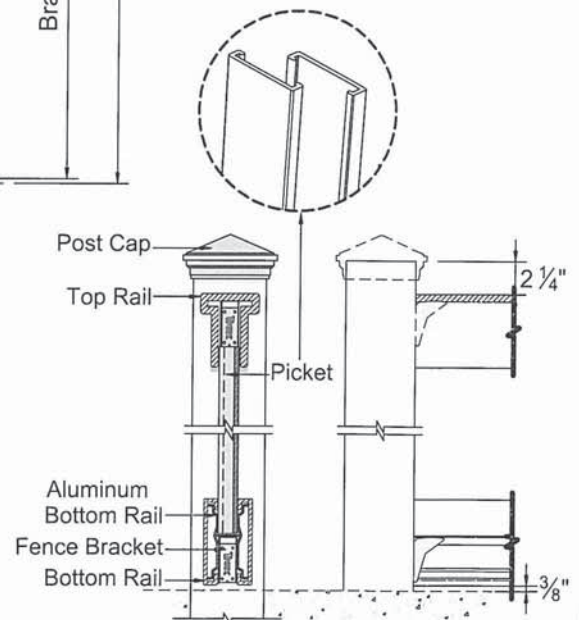
Component lengths may vary

BY: Action Fence Contractors Inc
847-949-6690



NOTES:

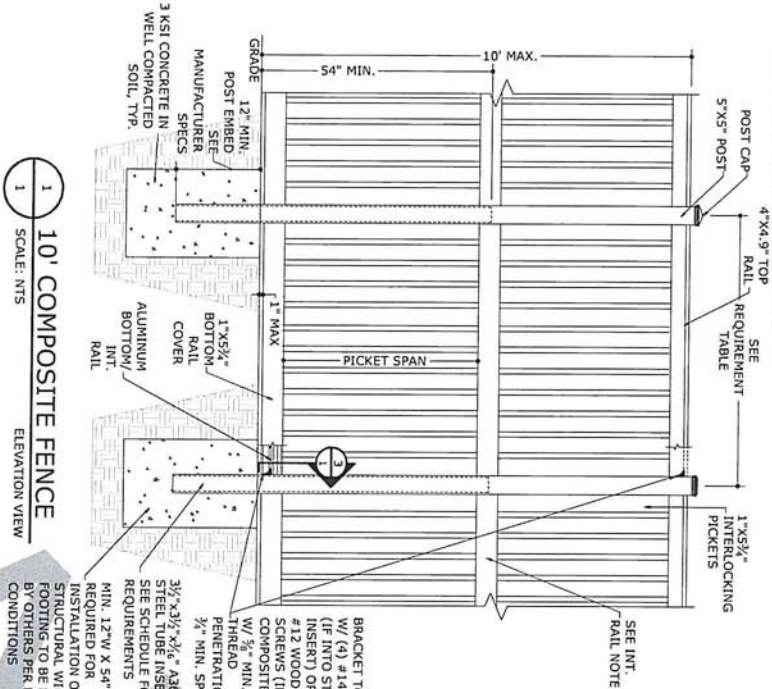
1. INSTALLATION TO BE COMPLETED PER MANUFACTURER'S SPECIFICATION.
2. REFER TO YourNextFence.com FOR CONSTRUCTION DETAILS AND PRODUCT INFORMATION
3. DRAWING NOT TO SCALE.



CUT VIEWS

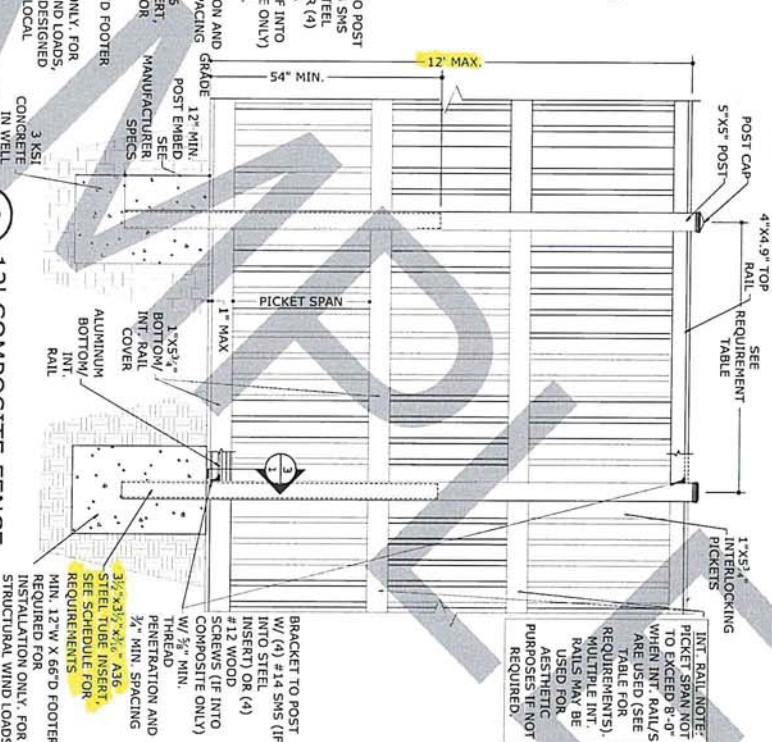
031019

10'-12' TREX SECLUSIONS COMPOSITE FENCE AT GRADE MPS
(NON-STRUCTURAL DECORATIVE AT-GRADE BARRIER)










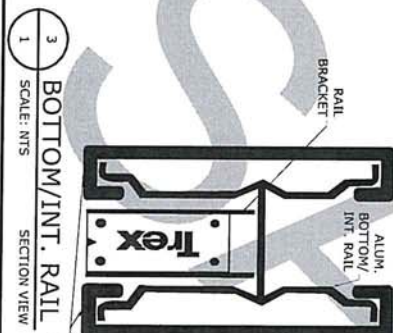
10' COMPOSITE FENCE

1	SCALE: NTS	ELEVATION V
1		



2 12' COMPOSITE FENCE
1 SCALE: NTS ELEVATION VIEW
STRUCTURAL WIND LOADS
FOOTING TO BE DESIGNED
BY OTHERS PER LOCAL
CONDITIONS

6" TRUSS SECTIONS	MATERIAL NEEDED FOR E SECTION
	5 x 5 Post Cap Pyramid or Rail
	5 x 5x5/8 Post
	Top Rail 4 x 4.9 x 11/2"
	Bottom/Intermediate Rail Cover 1 x 5.75
	Interlocking Picket 1 x 5.75
	Aluminum Bottom/Intermediate Rail (6053-16)
	1 1/4 x 3 1/8 x 1 1/8 Rail Bracket



3 BOTTOM/INT. RAIL
1 SCALE: NTS SECTION VIEW

POST INSERT, FOOTER MOMENT & INTERMEDIATE RAIL REQUIREMENTS						
POST HEIGHT (FT)	POST HEIGHT SPACING (FT)	VALT (MPH)	DP (PSF)	NO. OF INT. RAILS REQUIRED	INSERT REQUIRED?	POST REQ. MOMENT (LB-FT)
10	8	110	17	1	INSERT	6800
10	8	115	18.6	1	INSERT	7440
10	6	130	23.7	1	INSERT	9480
10	6.9	145	25.2	1	INSERT	10178
10	6.5	165	38.5	1	INSERT	10123
10	4.5	180	45.5	1	INSERT	10238
12	8	110	17.3	2	INSERT	9665
12	7.5	115	18.9	2	INSERT	10206
12	5.9	130	24.2	2	INSERT	10280
12	4.7	145	30	2	INSERT	10152
12	3.6	165	38.9	2	INSERT	10083
12	3	180	46.3	2	INSERT	10001

INT. RAIL NOTE:
PICKET SPAN NOT
TO EXCEED 8'-0"
WHEN INT. RAIL/S
ARE USED (SEE
TABLE FOR
REQUIREMENTS).
MULTIPLE INT.
RAILS MAY BE
USED FOR
AESTHETIC
PURPOSES IF NOT
REQUIRED.

GENERAL NOTES

- THIS STRUCTURE HAS BEEN DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF THE FLORIDA BUILDING CODE CHAPTER 626 (2017). STRUCTURE SHALL BE FABRICATED IN ACCORDANCE WITH ALL GOVERNING CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL LOCAL, BUILDING CODE, ORDINANCES, AND SPANS BEYOND STATEHED HEN BY REQUIRE ADDITIONAL DESIGN BASED ON AGE 2.10 USING A. SEE DESIGN PRESSURE TABLES (3 SEC GUST), EXPOSURE C, RISK CATEGORY 1, USING THE SOFT STORY METHOD, 0%.
- THIS FENCE DESIGN TO BE USED AT GROUND SURFACE ONLY, WITH USE LIMITED TO DECORATIVE BARRIER PURPOSES ONLY. THIS FENCE IS NOT INTENDED TO STRUCTURAL BUILDINGS. ELEVATED BUILDINGS OR COMPOSITE WOOD MATERIAL, HAVE A FLEX SIGN. ALL
5. ALL CONCRETE AND EPOXY TO EACH A MIN. COMPRESSIVE STRENGTH OF 3000 PSI IN 7 DAYS. CONCRETE FORTRESS SHALL CONTAIN MINIMUM 0.1% THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL MATERIALS FROM DISMISSED MATERIALS TO PREVENT EMBODIMENT.
7. NONLOADING TOOL TO BE CONTACTED TO 98% OF THE SURFACE. ALL OTHERS SHALL BE CONTACTED TO 98% CLASSIFIED OR VENTED BY OTHERS PRIOR TO CONSTRUCTION PER FC 190.5, A AND SHALL BE SANDY GRAVEL CLASS ONLY.
8. ALL CONCRETE AND EPOXY TO EACH A MIN. COMPRESSIVE STRENGTH OF 3000 PSI IN 7 DAYS. CONCRETE FORTRESS SHALL CONTAIN MINIMUM 0.1% THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL MATERIALS FROM DISMISSED MATERIALS TO PREVENT EMBODIMENT.
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11. THIS DOCUMENT IS GENERIC AND DOES NOT PERTAIN TO ANY SPECIFIC PROJECT SITE. INFORMATION CONTAINED HEREIN IS BASED ON MEASUREMENTS, ENGINEERING EXPRESS, SHALL NOT BE FIELD RESPONSIBLE OR LIABLE IN ANY WAY FOR ERRORS/DISCREPANCIES OR DATA OR MEASUREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL MATERIALS FROM DISMISSED MATERIALS TO PREVENT EMBODIMENT.
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15-2692C
SCALE: NTS UNLESS NOTE

Trex Fencing
www.TrexFencing.com
1.877.700.8739
TREX FENCING 10'-12' FENCE MPS
FLORIDA BUILDING CODE
ASCE 7-10 'SOLID SIGN METHOD' 0% OP

EX ENGINEERING EXPRESS®
CORPORATE OFFICE:
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DEERFIELD BEACH, FL 33442
P: (954) 354-0660 F: (954) 354-0443
E: HELLO@ENGINEERINGEXPRESS.COM
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CERT OF AUTH #9885

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03/13/2018
GORDON DIBATTISTO, P.E.
932328