



# Product Specifications

## Bedford Fiberglass Platforms

### **Disclaimer**

BEDFORD REINFORCED PLASTICS INC. disclaims liability for any personal injury, property or other damages of any nature whatsoever, whether special, indirect, consequential or compensatory, directly or indirectly resulting from the publication, use of, or reliance on BEDFORD REINFORCED PLASTICS INC. documents. BEDFORD REINFORCED PLASTICS INC. also makes no guaranty or warranty as to the accuracy or completeness of any information published herein. Anyone using this document should rely on his or her own independent judgment or, as appropriate, seek the advice of a competent professional in determining the exercise of reasonable care in any given circumstances.

# Product Specifications

## BRP Fiberglass Platforms

---

### Scope

This specification covers the details about the design criteria, product description, fabrication and shipping of BRP Standard fiberglass Platforms.

### Design Criteria

BRP fiberglass Platforms has been designed to meet IBC 2012 and ASCE 7-10 codes and equipped to provide comfortable and safe work platforms. BRP fiberglass Platforms are designed for a 100 psf live load with a deflection criteria of L/240.

### Fiberglass Platforms

BRP standard fiberglass Platforms are designed to build up to a maximum height 10' from the ground with a foot print of 5' x 20'. Fiberglass pultruded structural shapes such as square tubes and channels are being used as columns and beams. BRP PROGrid® non-skid square grid molded grating products shall be used as the floor panels. All the fasteners used in this design shall be series 300 stainless steel.

### Product Description

All the fiberglass components used for BRP fiberglass Platforms are made of pultrusion process using fiberglass reinforcement and resin systems necessary to meet the design requirements and minimum properties given in

Table 1 and other properties published in BRP Design Manual.

*Glass Reinforcements:* Pultruded structural shapes used for BRP fiberglass platforms shall have the fiber reinforcement in the form of continuous rovings and continuous strand mat for adequate mechanical and physical properties and surface veil for UV protection and corrosion resistance

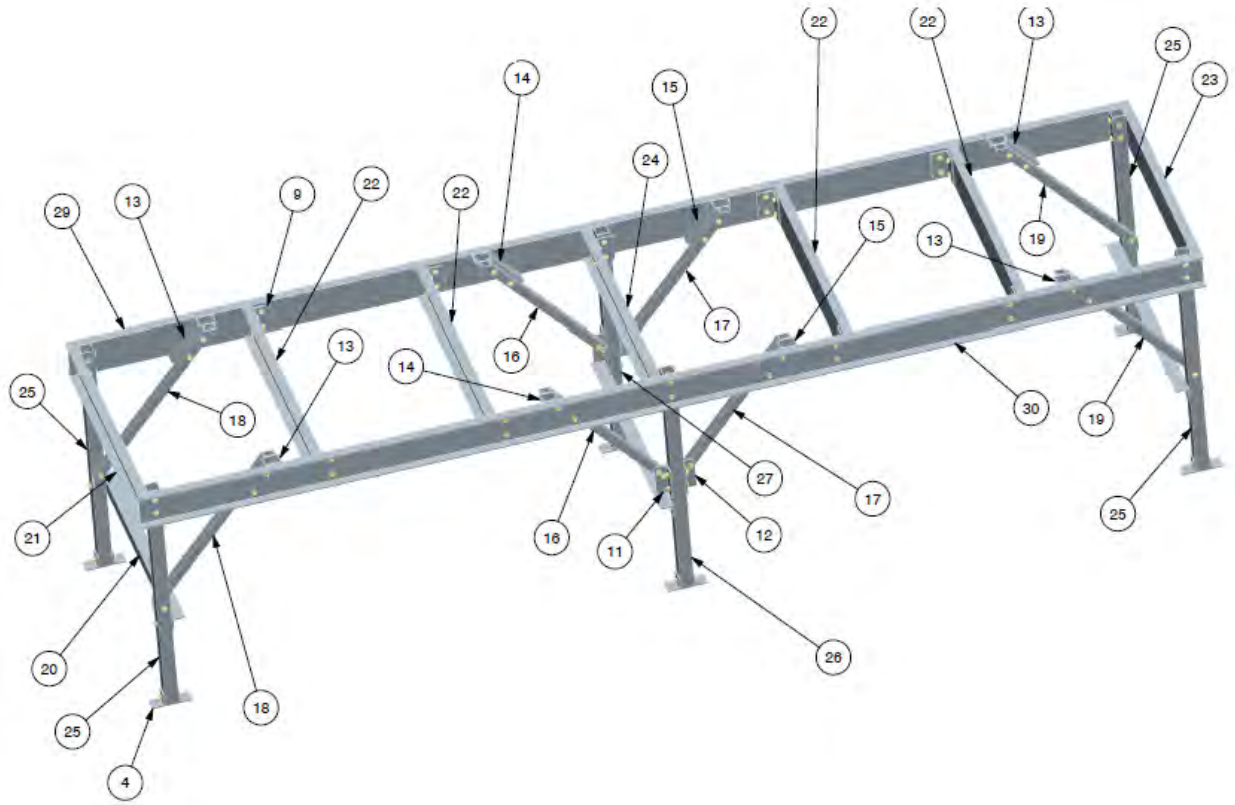
*Resin Systems:* Resin systems used in BRP Fiberglass Platforms provide superior corrosion resistance and are available in Standard and FR Iso-Polyester and Vinylester resin systems with additives for superior fire resistance, UV protection and pigments.

**Table 1. Minimum Properties**

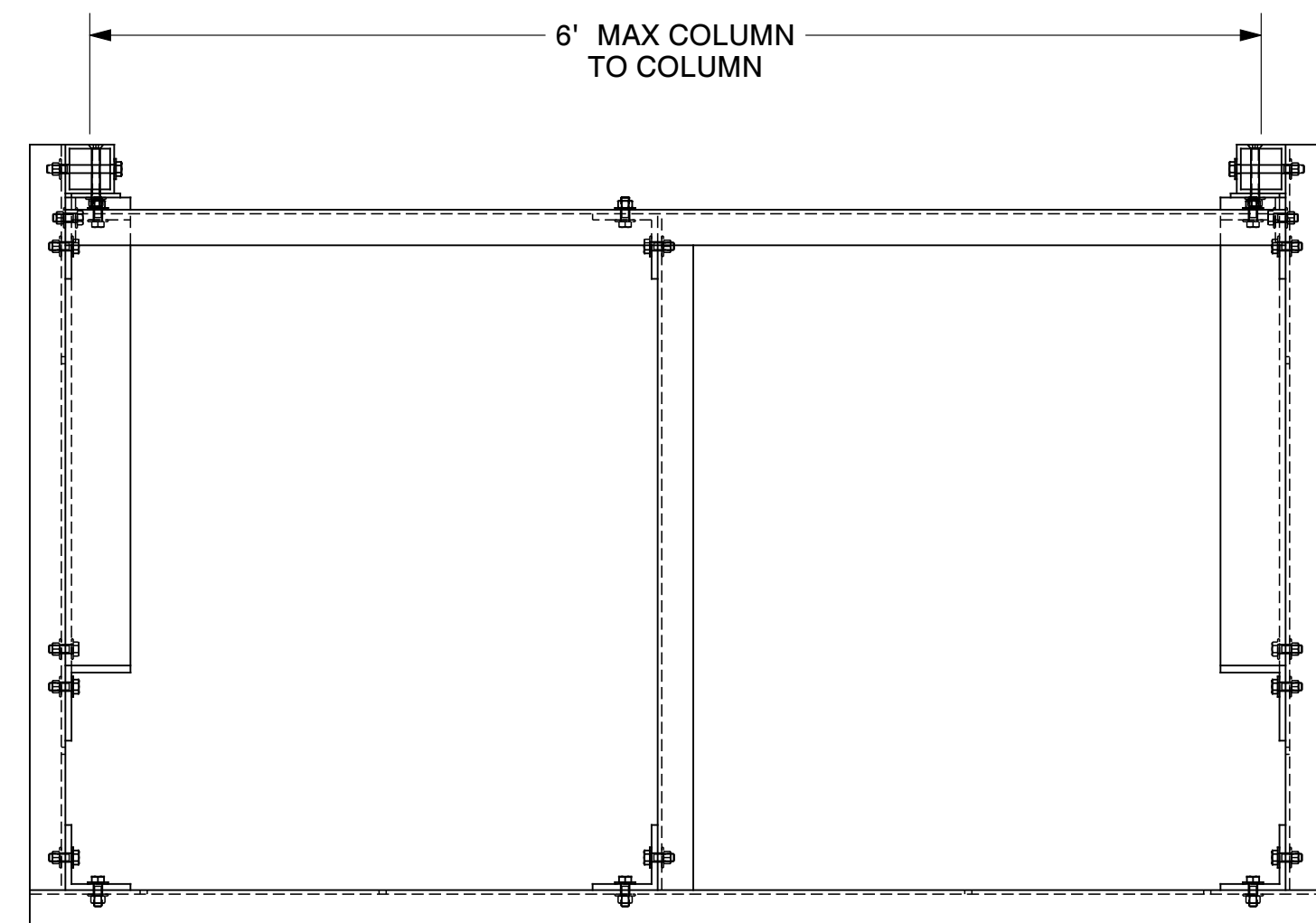
Property	ASTM	Value
Tensile Strength, psi	D 638	30000
Tensile Modulus, psi	D 638	2.5 x10 <sup>6</sup>
Flexural Strength, psi	D 790	30000
Flexural Modulus, psi	D 790	1.8 x10 <sup>6</sup>
Short Beam Shear, psi	D 2344	4500
Full Section Modulus, psi	N/A	2.8 x10 <sup>6</sup>
Density, lb/in <sup>3</sup>	D 792	0.062-0.07
Flame Spread	E 84	25 or less

### Fabrication, Shipping and Handling

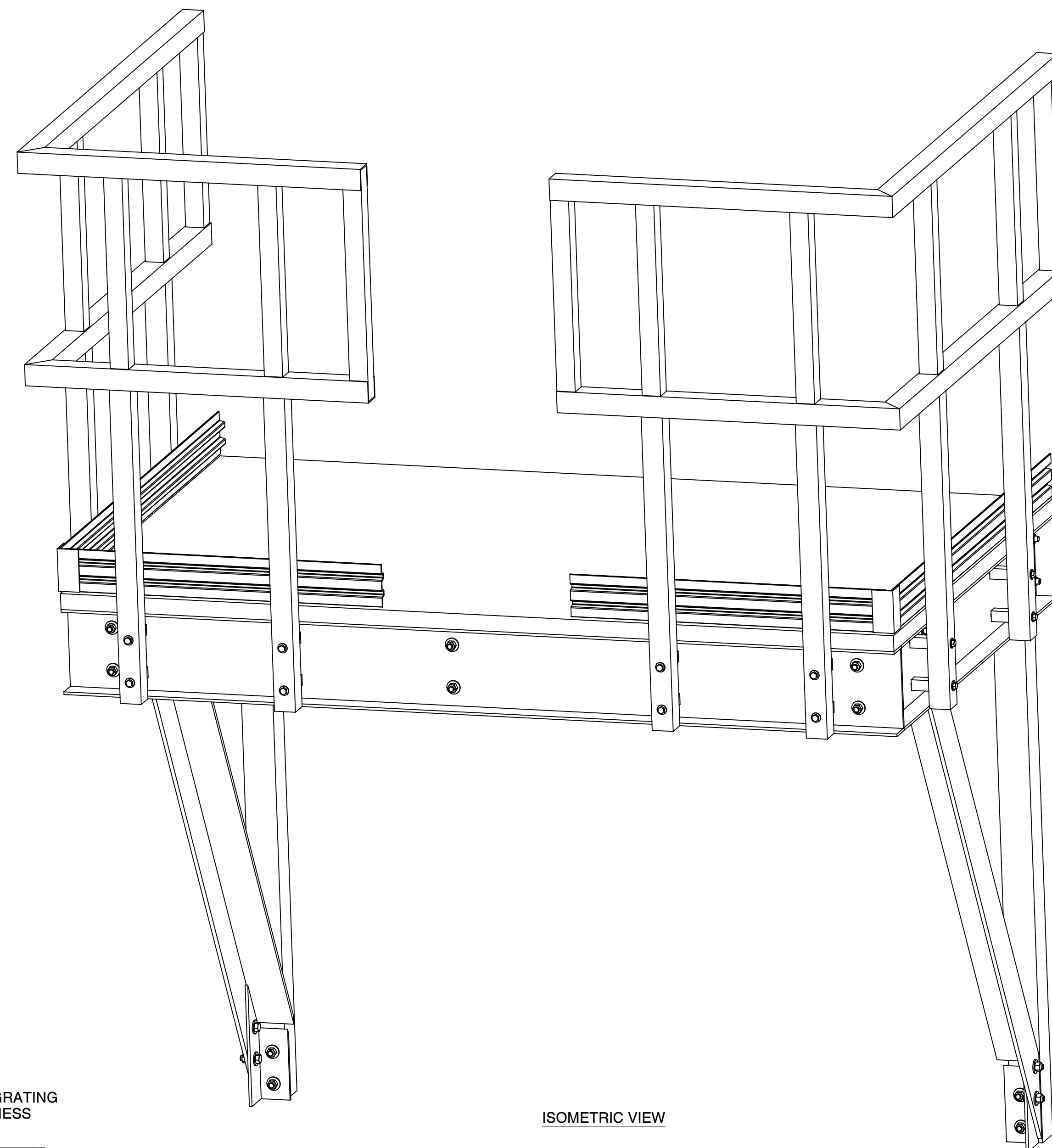
BRP shall be responsible for the design, fabrication and delivery of partly assembled or prefabricated components ready for assembly to the project site and has to be installed as per the directions of approved assembly drawing or design engineer.



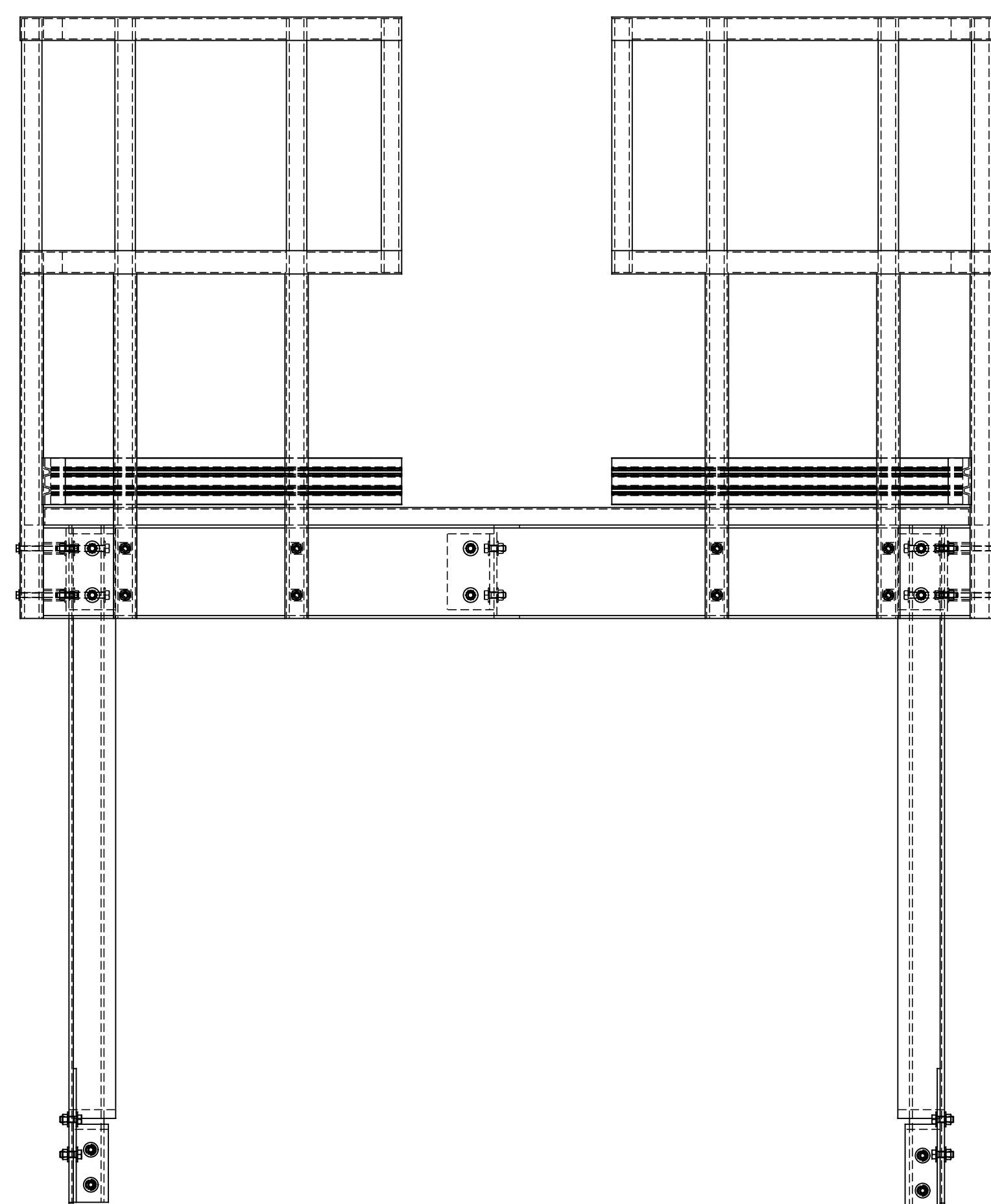
**Typical BRP Standard Fiberglass Platforms**



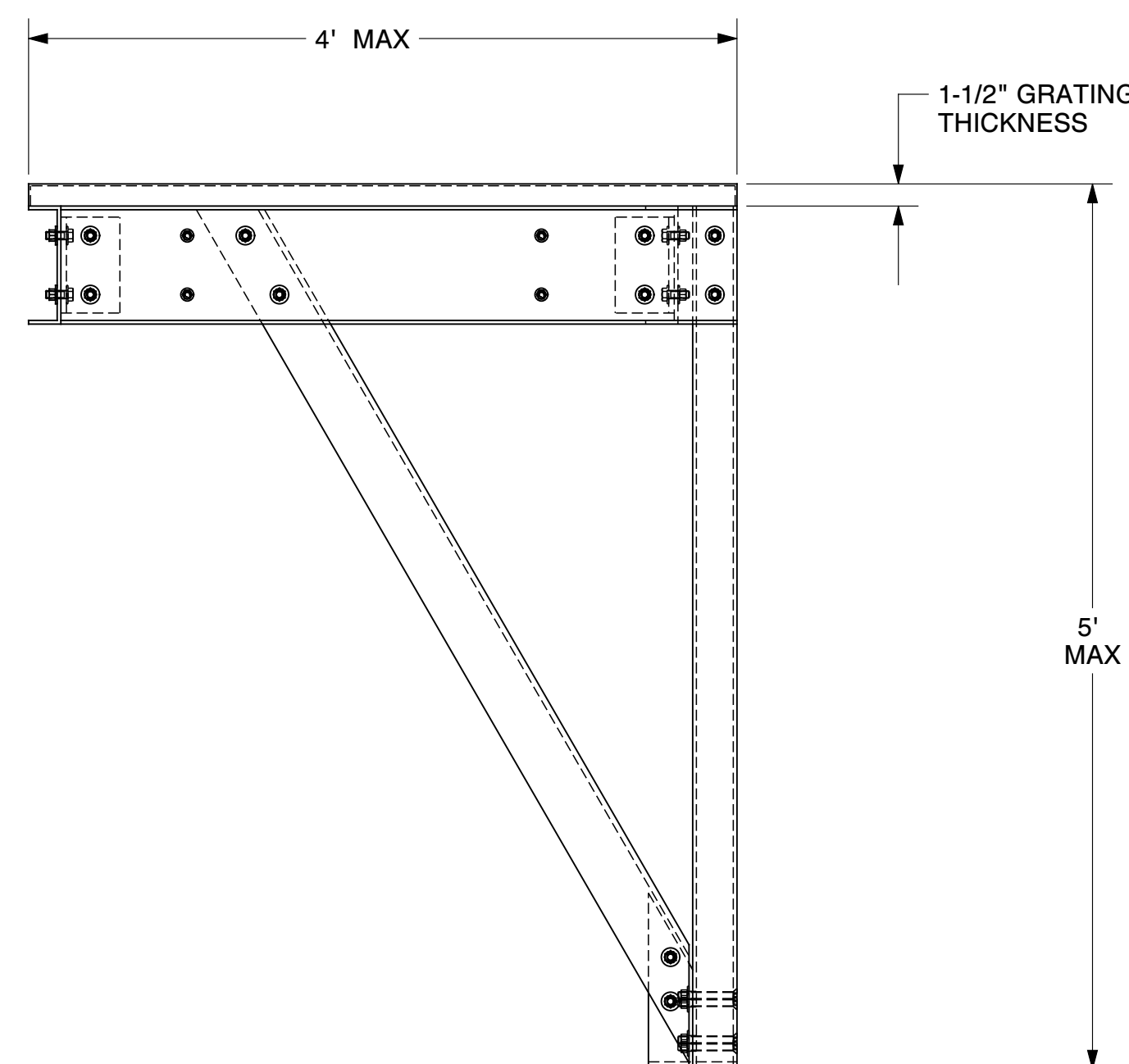
PLAN VIEW  
GRATING NOT SHOWN



ISOMETRIC VIEW



FRONT ELEVATION



SIDE ELEVATION

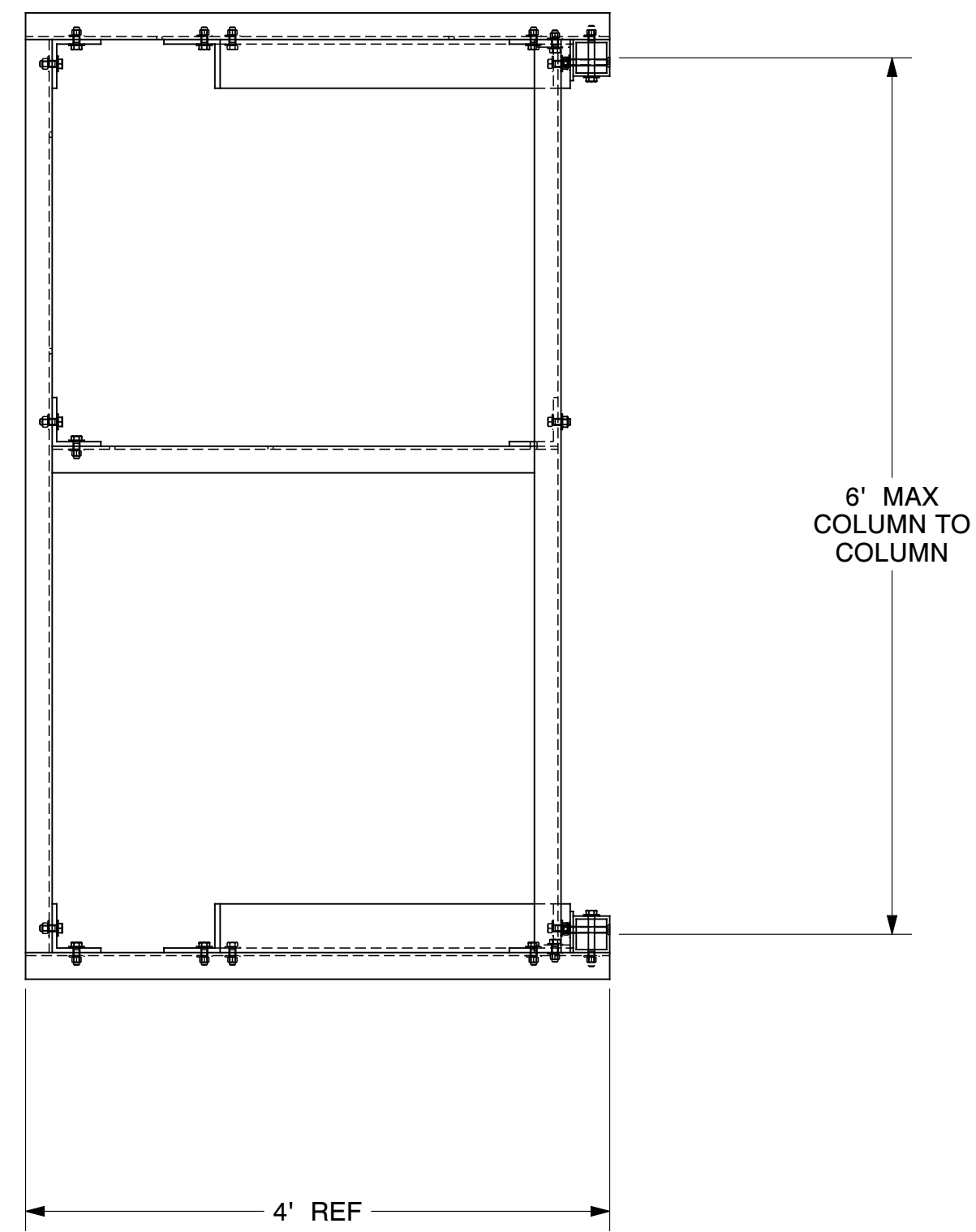
REV.	BY	DATE	DESCRIPTION
00	-	-	-

Since 1974

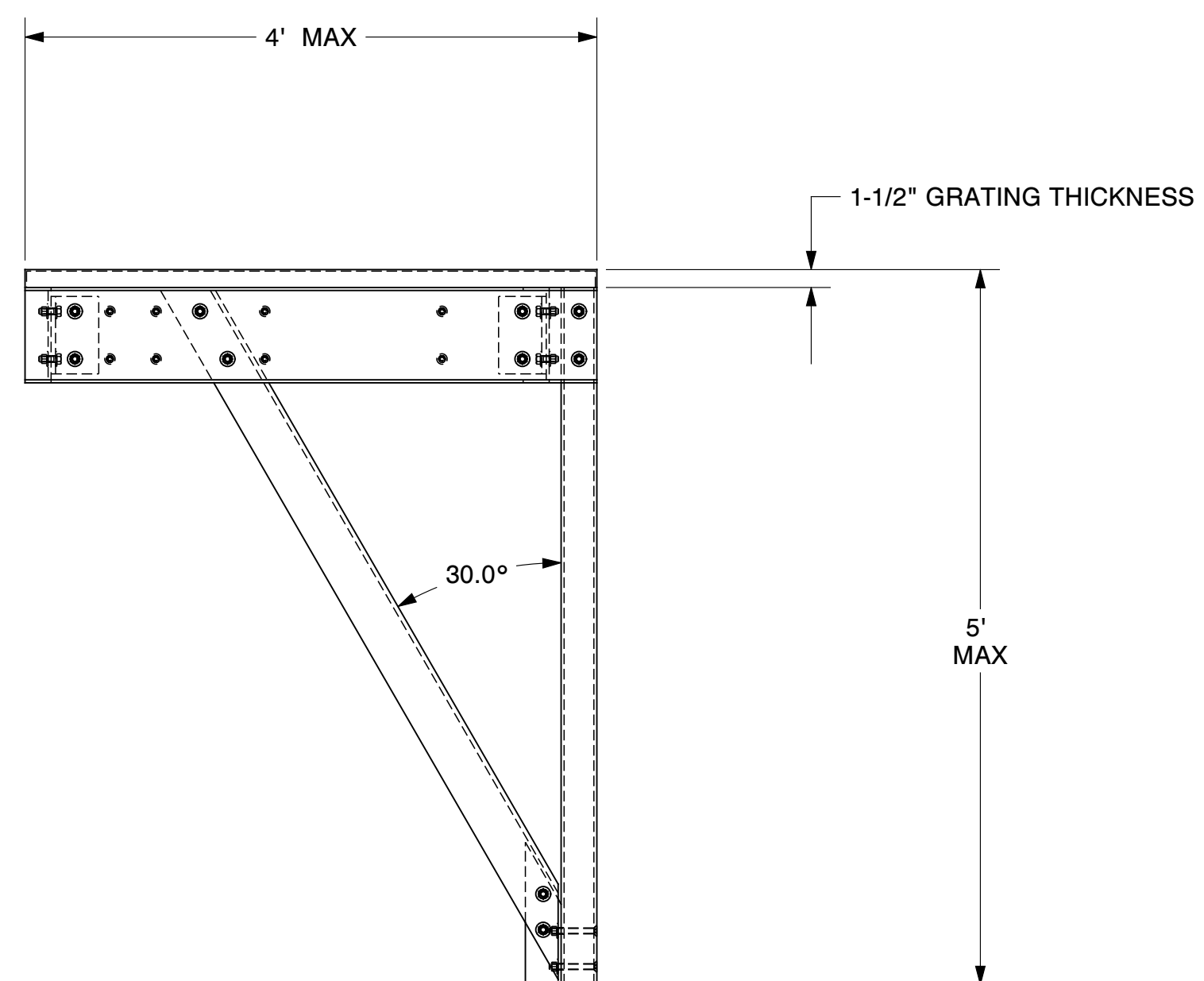
REINFORCED PLASTICS

THIS DRAWING IS THE CONFIDENTIAL PROPERTY OF BEDFORD REINFORCED PLASTICS, INC. AND MUST NOT BE MADE PUBLIC OR COPIED, AND IS SUBJECT TO RETURN ON DEMAND. ALL RIGHTS OF INVENTION OR DESIGN ARE RESERVED.

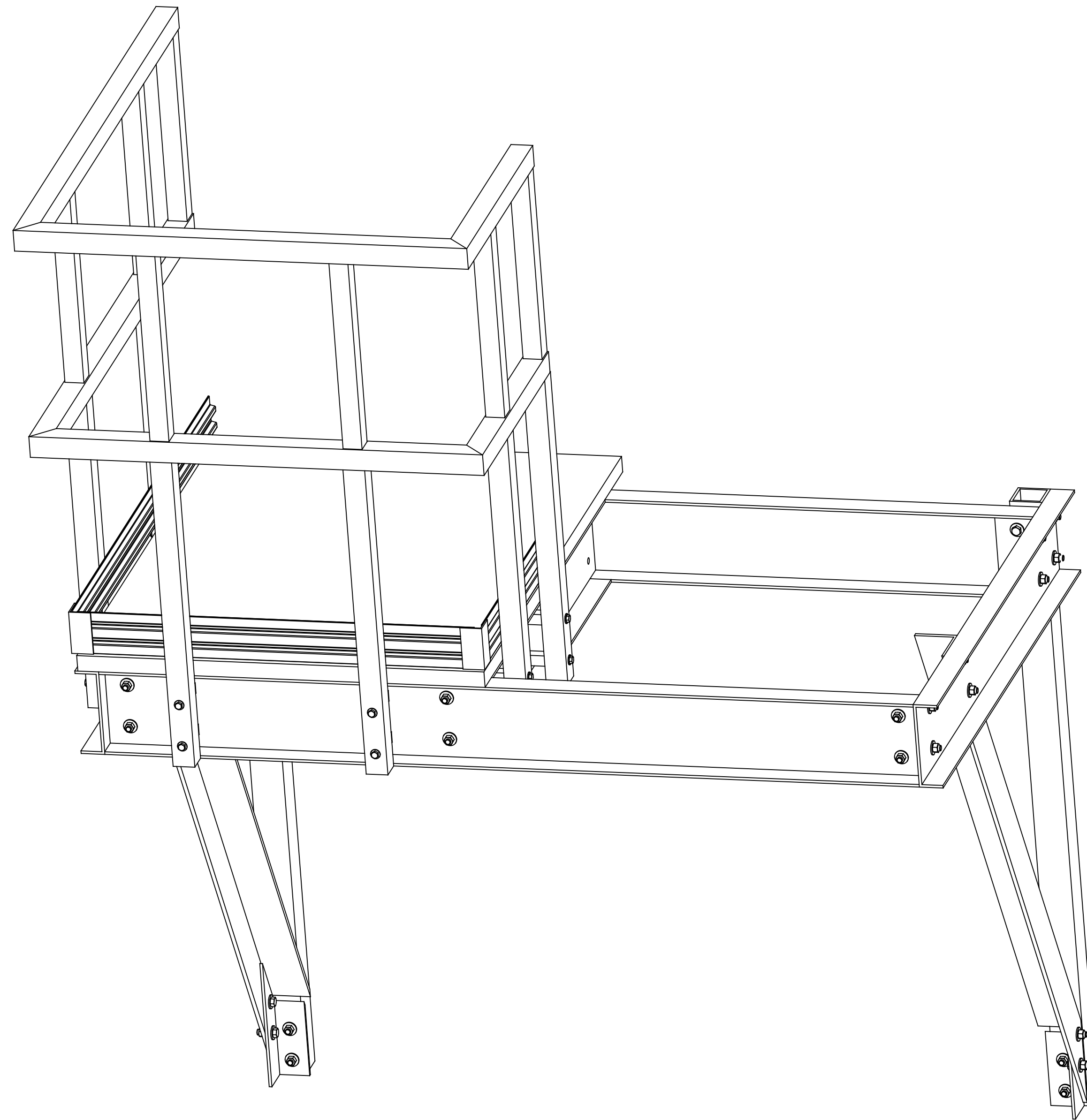
TOLERANCES	DRAWN	AEC	TITLE
X/Y: ± 1/16	CHECKED	BB	RESTING PLATFORM FRONT ACCESS
.XX: ± .030	APPROVED		JOB
.XXX: ± .010	DATE	10-27-14	DRAWING NO. PLATFORM-FRONT
ANG: ± 0.5°	REF.		SCALE 3/32" = 1" REV SHEET 1 OF 1



PLAN VIEW  
GRATING NOT SHOWN



ELEVATION VIEW



ISOMETRIC VIEW

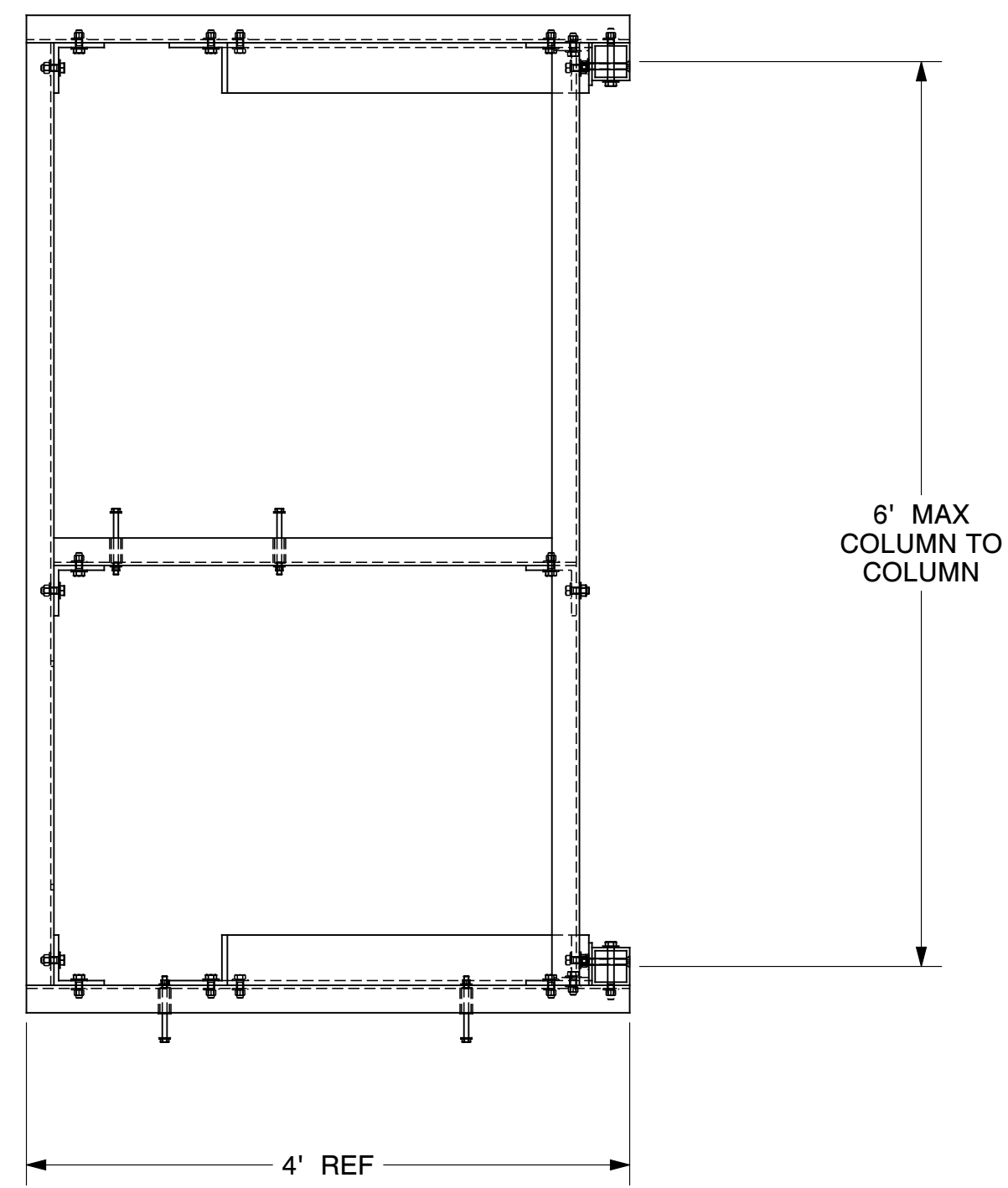
Since 1974

**BEDFORD**  
REINFORCED PLASTICS

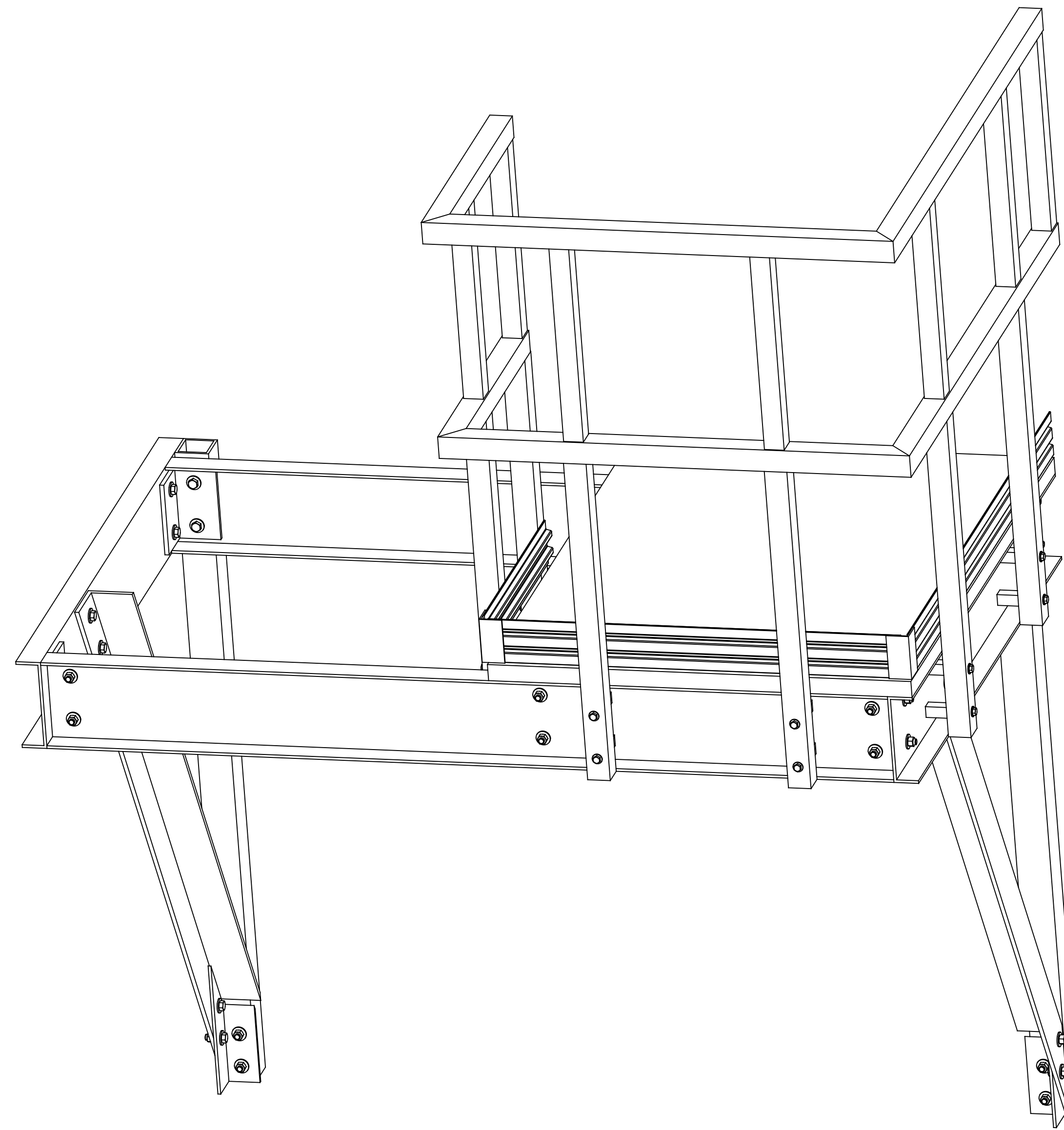
THIS DRAWING IS THE CONFIDENTIAL PROPERTY OF BEDFORD REINFORCED PLASTICS, INC. AND MUST NOT BE MADE PUBLIC OR COPIED, AND IS SUBJECT TO RETURN ON DEMAND. ALL RIGHTS OF INVENTION OR DESIGN ARE RESERVED.

TOLERANCES	DRAWN	AEC	TITLE
X/Y: ± 1/16	CHECKED		RESTING PLATFORM
.XX: ± .030	APPROVED		THRU ACCESS LEFT EXIT
.XXX: ± .010	DATE	10-22-14	PLATFORM-THRU LEFT-EXIT
ANG: ± 0.5°	REF.	SCALE	5/64" = 1" 1 SHEET 1 OF 1

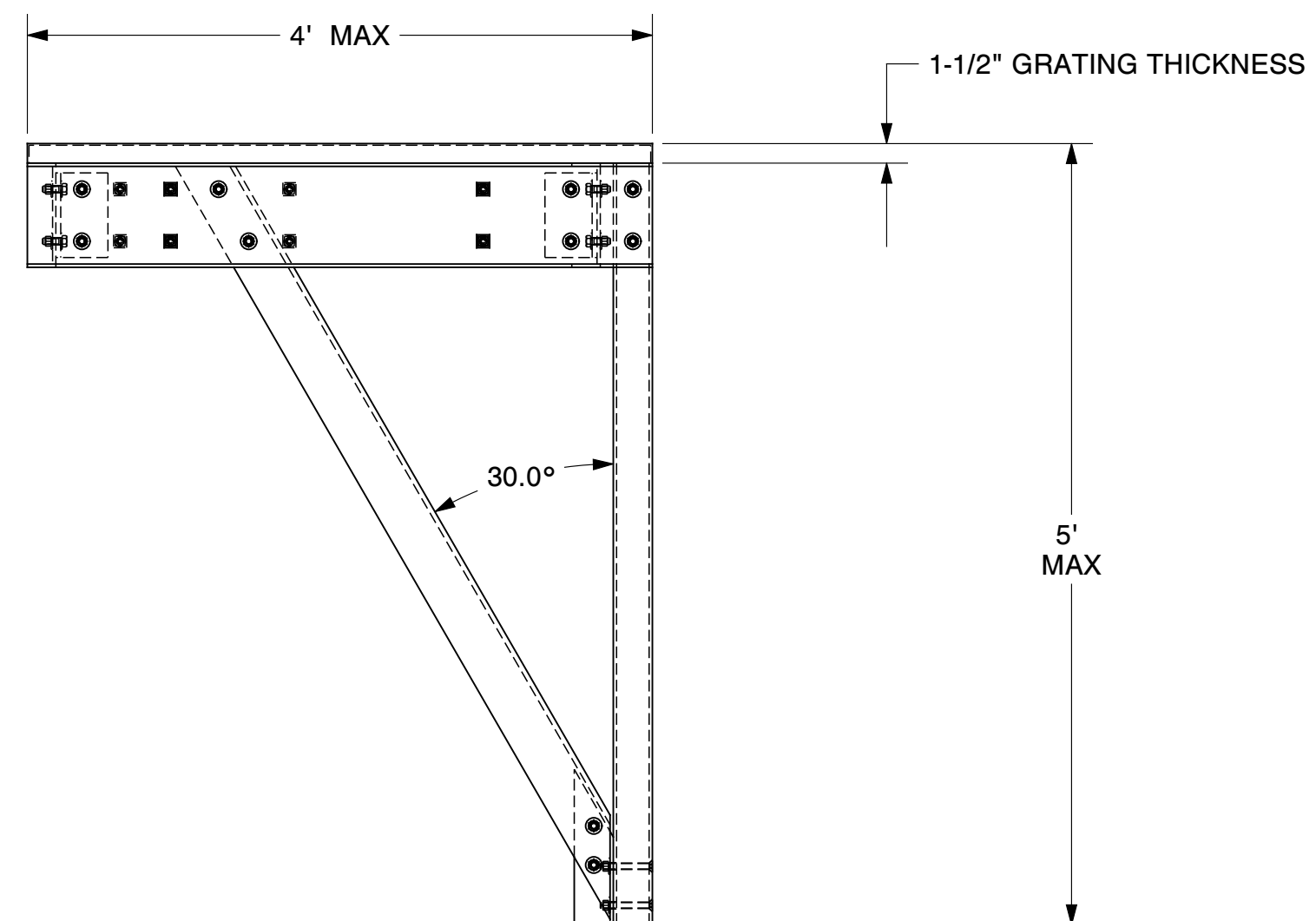
REV.	BY	DATE	DESCRIPTION
00	-	-	-



PLAN VIEW  
GRATING NOT SHOWN



ISOMETRIC VIEW



ELEVATION VIEW

REV.	BY	DATE	DESCRIPTION
00	-	-	-

THIS DRAWING IS THE CONFIDENTIAL PROPERTY OF BEDFORD REINFORCED PLASTICS, INC. AND MUST NOT BE MADE PUBLIC OR COPIED, AND IS SUBJECT TO RETURN ON DEMAND. ALL RIGHTS OF INVENTION OR DESIGN ARE RESERVED.

TOLERANCES	DRAWN	AEC	TITLE
X/Y: ± 1/16	CHECKED		RESTING PLATFORM
.XX: ± .030	APPROVED		THRU ACCESS RIGHT EXIT
.XXX: ± .010	DATE	10-22-14	PLATFORM-THRU_RIGHT-EXIT
ANG: ± 0.5°	REF.		SCALE
			5/64" = 1"    1    SHEET 1 OF 1