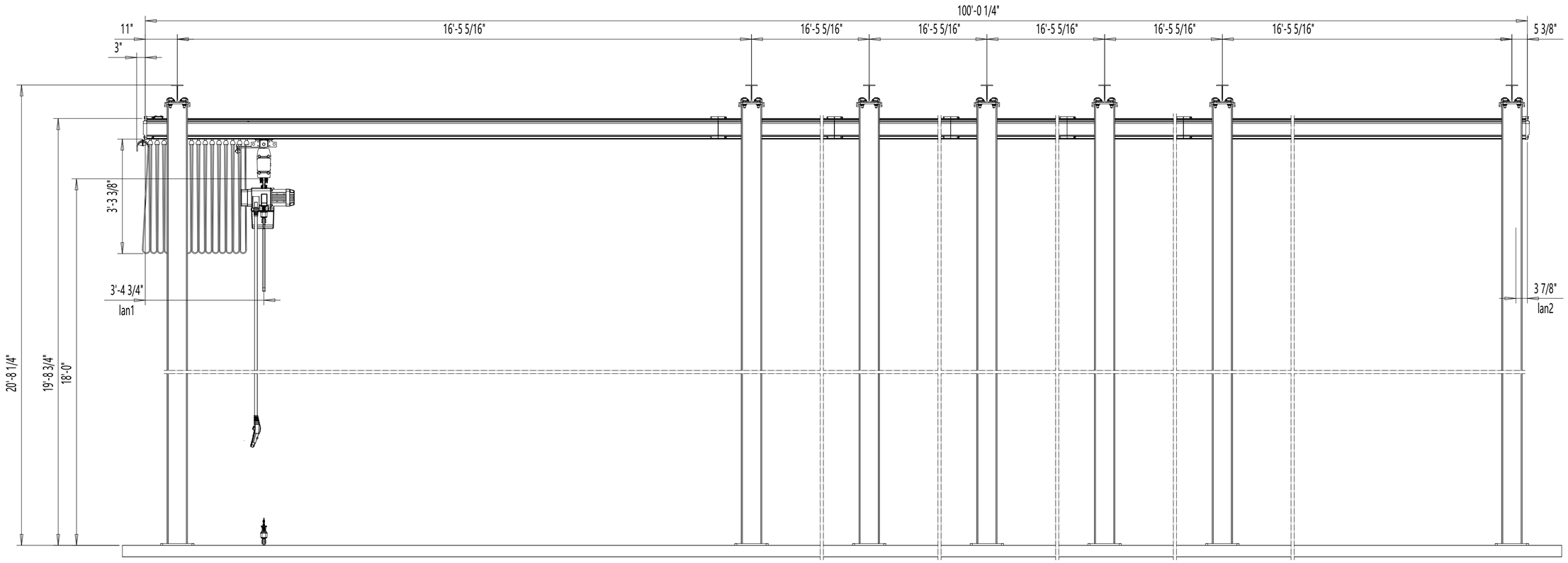
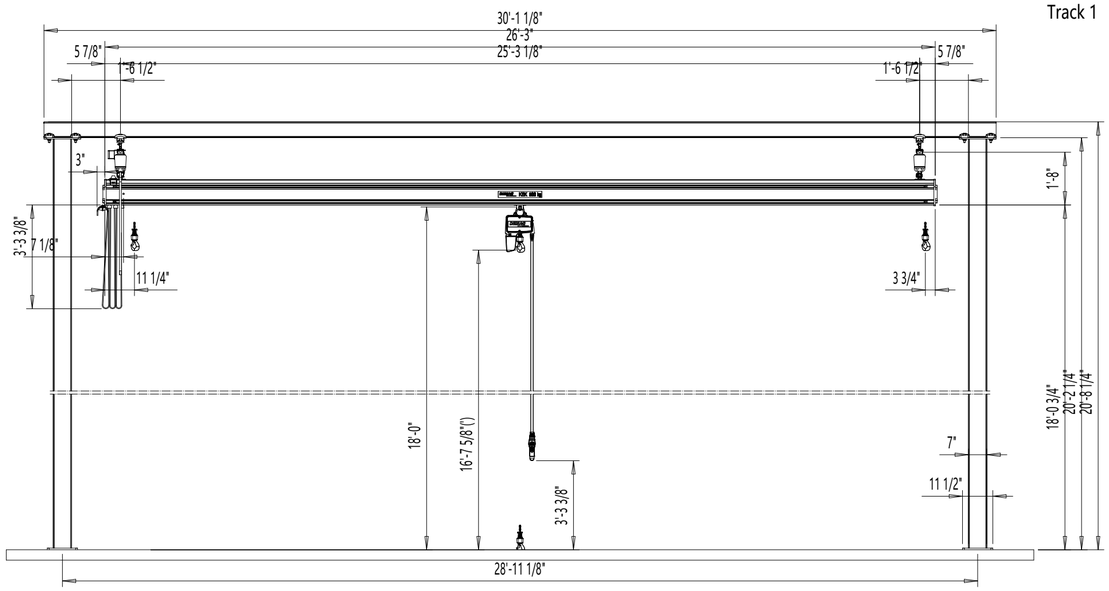
REV	CHANGE DESCRIPTION	ECN	DATE	REVISED BY	APPROVED BY



Track 2

Track 1



TECHNICAL DATA

Span	: 25'-3 1/8"	Main / control voltage	: 460 / 24 V; 60 Hz
Length of runway	: 100'-0 1/4"	Crane classification	: DIN 15018 H1 B3
Load of bridge	: 1/2 TON	Hoist group	: 2m / M5
Lifting height	: 16'-4 7/8" ft	Total weight of system, approx.	: 10957lbs
Hoisting speed	: 0 / 0 ft/min	Total weight of FSS, approx.	:
Traversing speed	: Manual	Vertical load (cycling) in one suspension:	
Travelling speed	: Manual	Max. track 1	: 1640lbs
Runway profile	: KBK II / RAL 2002	Max. track 2	: 1614lbs
Bridge profile	: KBK II-H / RAL 2002	Anchor bolts by others	

ACCEPTED BY:

COMPANY:

DATE:

Amount	Pos	Description	Specification

Design	Chd	Appd	Ref drawing	Vx proj
10/28 Date				
Dept				

Twin copy

DEMAG

Industrial Material Handling LLC

Single girder crane KBK 1102 lbs x 25'-3 1/8'

-

Crane Source system: 100 ft runway, 1,100 lb wide-span steel system

M-film

Issue

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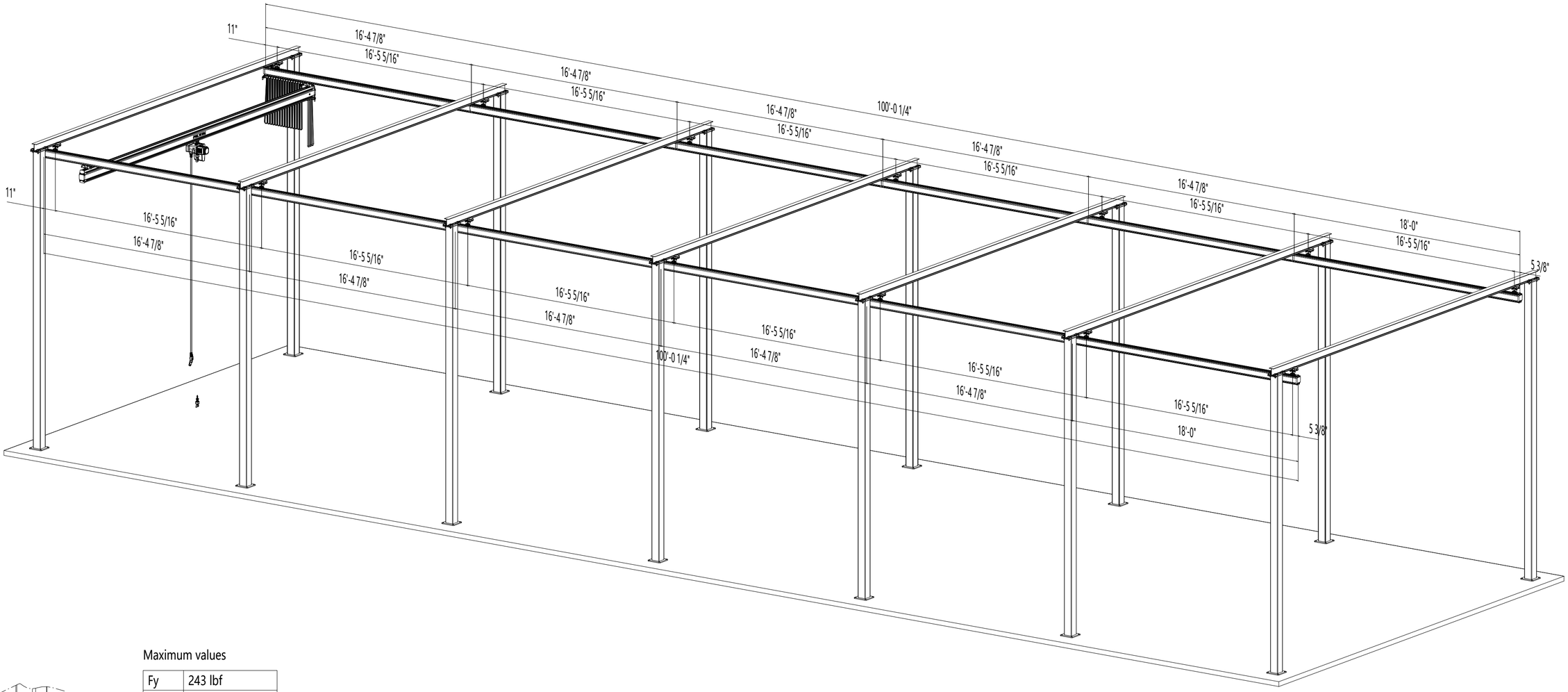

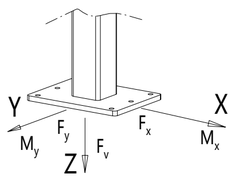

Maximum values

Fy	243 lbf
My	2587 Lb ft
Fv	3008 lbf
Fx	121 lbf
Mx	5137 Lb ft

Suspension Load

G_{AB} =

ANCHORING

We recommend to use chemical anchors which are permitted for dynamic loads.

Anchor bolts may be used for anchoring with mainly static loads and mainly non-static loads in reinforced and non-reinforced normal concrete. They may be anchored in cracked and non-cracked concrete.

Concrete type: 4000 psi, un-cracked condition.

The minimum concrete depth is 6 in. or more, depending on the selected anchor bolts.

The drill hole diameter in the base plate for anchoring is always 1 in.

It is the responsibility of the customer to ensure that supporting foundations and structures are suitable for the applied loadings of offered equipment.

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Dept	-			
DEMAG Industrial Material Handling LLC	Crane Source system: 100 ft runway, 1,100 lb wide-span steel system			Issue

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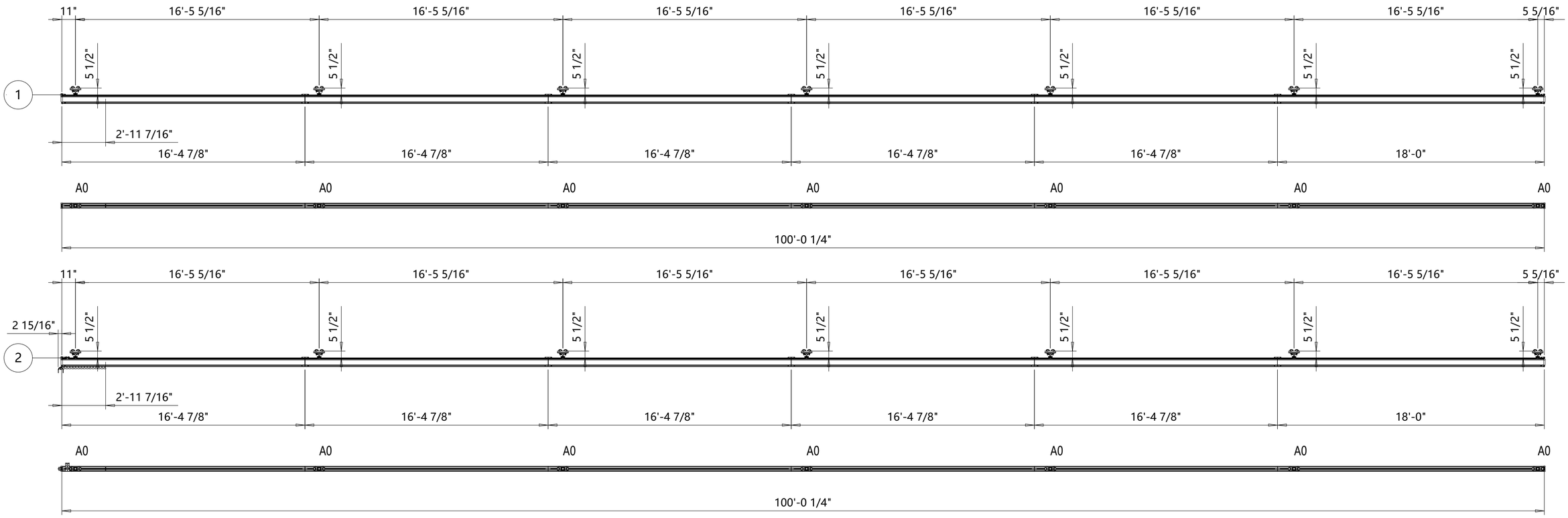

Distances in mm.

Load situation when crane(s) is (are) positioned at left hand side (lan1) [lbs]		Load situation when crane(s) is (are) positioned somewhere between (lan1 and lan2) [lbs]		Load situation when crane(s) is (are) positioned at right hand side (lan2) [lbs]	
Suspension loads with live load	Suspension loads without live load	Suspension loads with live load	Suspension loads without live load	Suspension loads with live load	Suspension loads without live load
1241	340	dead weight of track	dead weight of track	dead weight of track	dead weight of track
556	289	dead weight of track	dead weight of track	dead weight of track	dead weight of track
93	163	183	183	dead weight of track	dead weight of track
dead weight of track	dead weight of track	1640	527	dead weight of track	dead weight of track
dead weight of track	dead weight of track	79	79	187	183
dead weight of track	dead weight of track	dead weight of track	dead weight of track	198	212
dead weight of track	dead weight of track	dead weight of track	dead weight of track	1517	395

Max. load on one suspension on a track [lbs]	Load on opposite suspension at that moment (other track) [lbs]	Dead weight of track [lbs/ft]
1640	428	37.48

REMARK:

Given loads are without dynamic factor (characteristic loads)

Horizontal forces:

10% of the max. suspension load for both directions

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DEMAG

Industrial Material Handling LLC

Single girder crane KBK 1102 lbs x 25'-3 1/8'

-

Crane Source system: 100 ft runway, 1,100 lb wide-span steel system

1:30

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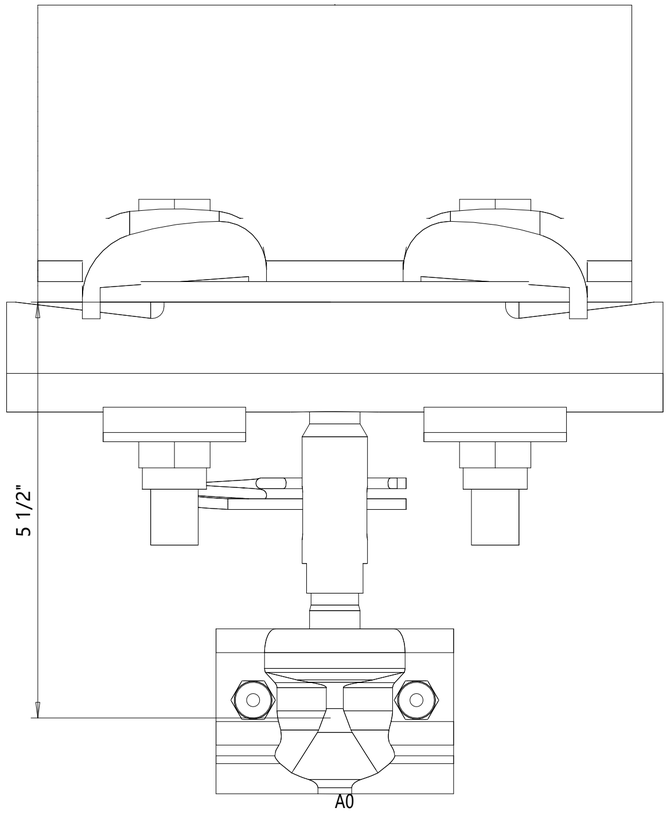

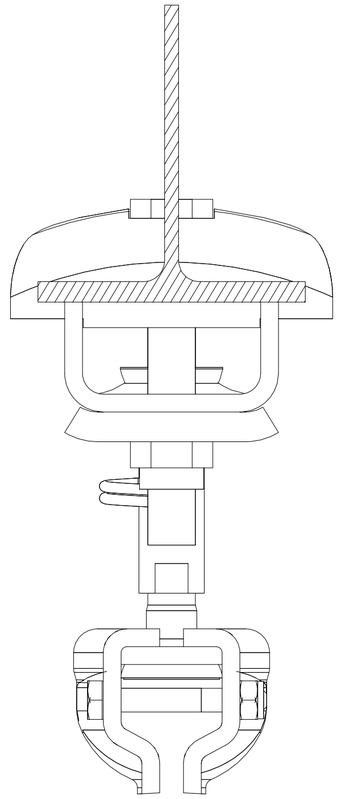

A0

Upper susp. bracket A suits for
FLANGE WIDTHS 2 13/16'' - 5 1/2''

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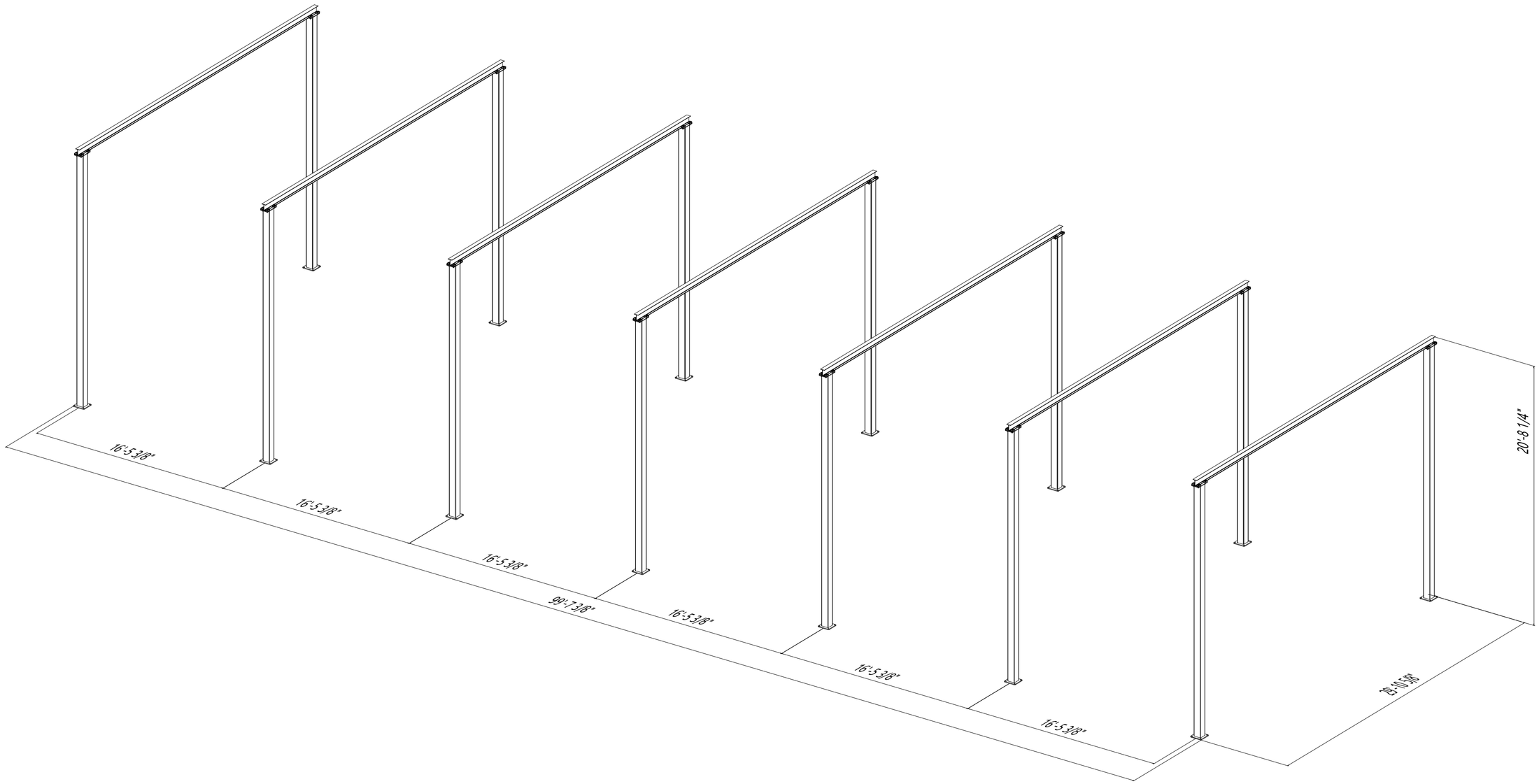

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