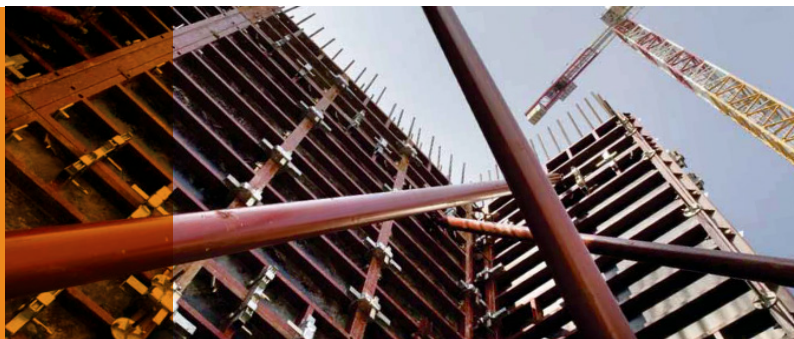


FORMWORK SOLUTIONS

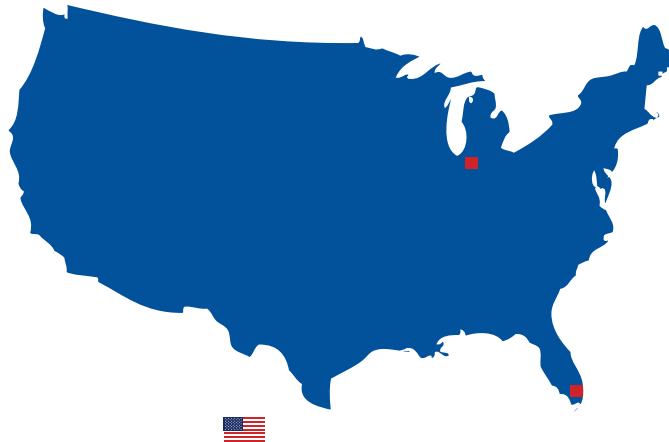


Manual



THE PREFERRED CHOICE

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1355 E Archwood Avenue
Akron, OH 44306
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Ohio Contacts:
Mark Sawka

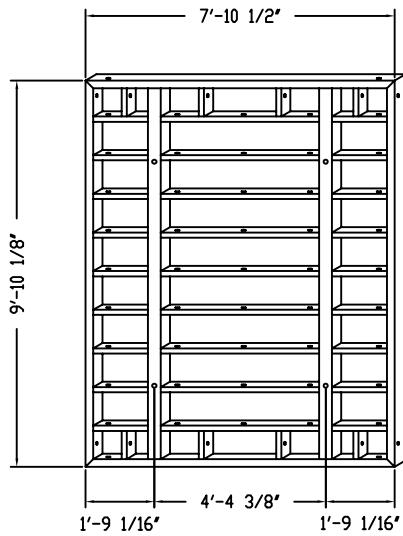
Florida Branch:
1840 Marty Fladell Drive
Delray Beach, FL 33444
TEL. (561) 513-6737
sales@unispanusa.com

Florida Contacts:
Alejandro Espinosa
Marcela Gergin

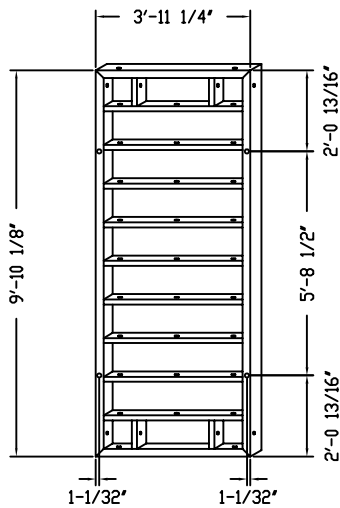
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We sell and rent a diverse range of quality Formwork and Shoring Systems for the construction of all types of concrete structures, providing an integrated and value-added service that keeps all our customers coming back time and again as a friend of our brand

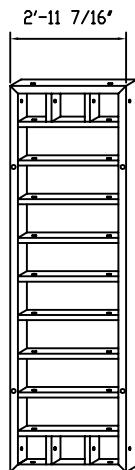




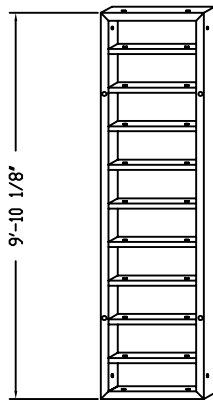
PART NO.	DESCRIPTION	WEIGHT (lbs)
21533241	PANEL 240 x 300 PANEL 7'-10 1/2" x 9'-10 1/8"	890.4



21533120	PANEL 120 x 300 PANEL 3'-11 1/4" x 9'-10 1/8"	409.9
21532120	PANEL 120 X 150 3'-11 1/4" X 4' 11-1/16"	194
21531120	PANEL 120 X 100 3' 11-1/4" X 3' 3-3/8"	160

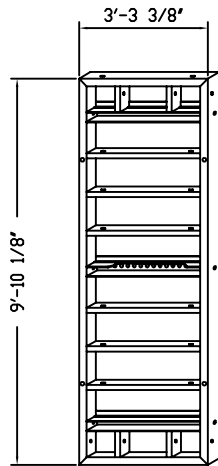


21533090	PANEL 90 x 300 PANEL 2'-11 7/16" x 9'-10 1/8"	324
21532120	PANEL 90 X 150 2' 11-7/16" X 4' 11-1/16"	194
21531120	PANEL 90 X 100 2' 11-7/16" X 3' 3-3/8"	160

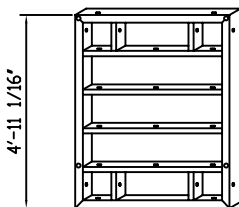


PART NO.	DESCRIPTION	WEIGHT (lbs)
21533180	PANEL 180 × 300 PANEL 5'-10 7/8" × 9'-10 1/8"	654.6
21533100	PANEL 100 × 300 PANEL 3'-3 3/8" × 9'-10 1/8"	346
21533080	PANEL 80 × 300 PANEL 2'-7 1/2" × 9'-10 1/8"	255.7
21533070	PANEL 70 × 300 PANEL 2'-3 9/16" × 9'-10 1/8"	233.6
21533060	PANEL 60 × 300 PANEL 1'-11 5/8" × 9'-10 1/8"	216
21533050	PANEL 50 × 300 PANEL 19-11/16" × 9'-10 1/8"	187.3
21533040	PANEL 40 × 300 PANEL 15-3/4" × 9'-10 1/8"	165.3
21533030	PANEL 30 × 300 PANEL 11-13/16" × 9'-10 1/8"	141.1
21532++++ 21531++++	PANEL WIDTH X 150 HEIGHT (4' 11-1/16") PANEL WIDTH X 100 HEIGHT (3' 3-3/8")	

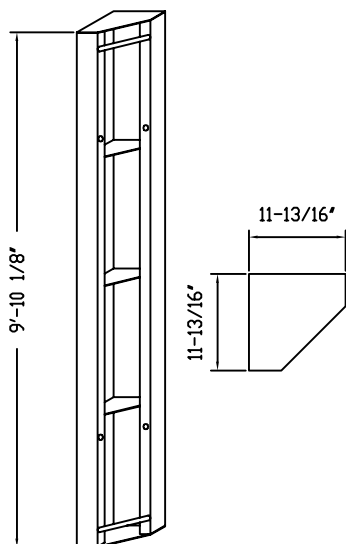
P.29 thru P.31
P.42 and P.43



21533101	ADJUSTABLE PANEL 100 × 300 FOR COLUMNS AND CORNERS ADJUSTABLE PANEL 3'-3 3/8" × 9'-10 1/8"	409.9
21532101	ADJUSTABLE PANEL 100 × 150 FOR COLUMNS AND CORNERS ADJUSTABLE PANEL 3'-3 3/8" × 4'-11 1/16"	194.1

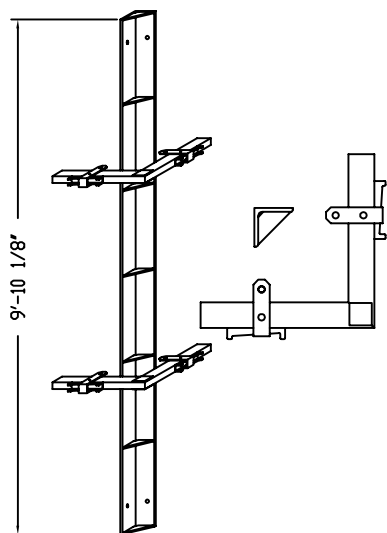


21532120	PANEL 120 × 150 PANEL 3'-11 1/4" × 4'-11 1/16"	193.9
21532090	PANEL 90 × 150 PANEL 2'-11 7/16" × 4'-11 1/16"	158.6
21532080	PANEL 80 × 150 PANEL 2'-7 1/2" × 4'-11 1/16"	143.2
21532070	PANEL 70 × 150 PANEL 2'-3 9/16" × 4'-11 1/16"	127.8
21532060	PANEL 60 × 150 PANEL 1'-11 5/8" × 4'-11 1/16"	112.4
21532050	PANEL 50 × 150 PANEL 19-11/16" × 4'-11 1/16"	99.1
21532040	PANEL 40 × 150 PANEL 15-3/4" × 4'-11 1/16"	88.1
21532030	PANEL 30 × 150 PANEL 11-13/16" × 4'-11 1/16"	72.7



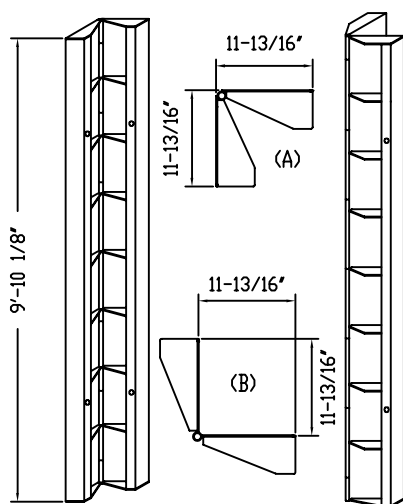
PART NO.	DESCRIPTION	WEIGHT (lbs)
21533356	INSIDE CORNER (30 x 30 x 300) INSIDE CORNER (11-13/16" x 11-13/16" x 9'-10 1/8")	269.5
21532356	INSIDE CORNER (30 x 30 x 150) INSIDE CORNER (11-13/16" x 11-13/16" x 4'-11 1/16")	140.0
21531356	INSIDE CORNER (30 x 30 x 100)	94

P.32 thru P.34



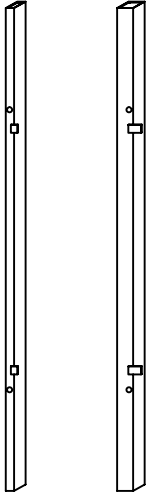
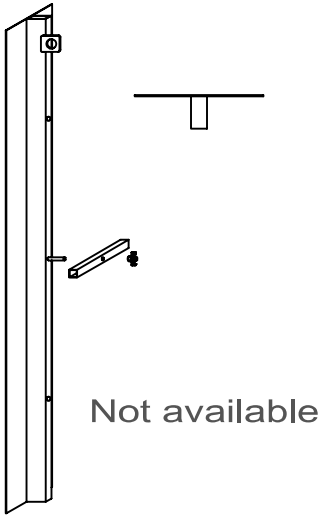
21533310	OUTSIDE CORNER LENGTH = 300 OUTSIDE CORNER (LENGTH = 9'-10 1/8") ACCESSORIES REQUIRED 2 ea OUTSIDE CORNER BRACKET 4 ea 5/8" x 4-1/2" BOLT ASSEMBLY 4 ea 4-3/4" x 3" PLATE WASHER 4 ea P-300 PINS 4 ea HITCH PIN	185.1
21533359	OUTSIDE CORNER LENGTH = 150 OUTSIDE CORNER (LENGTH = 4'-11 1/16") ACCESSORIES REQUIRED 1 ea OUTSIDE CORNER BRACKET 4 ea 5/8" x 4-1/2" BOLT ASSEMBLY 4 ea 4-3/4" x 3" PLATE WASHER 2 ea P-300 PINS 2 ea HITCH PIN	59.3

P.41

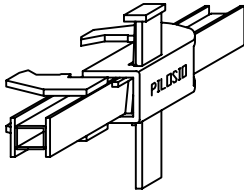


21533360 (A)	INSIDE HINGE CORNER 30 x 30 x 300 INSIDE HINGE CORNER 11-13/16" x 11-13/16" x 9'-10 1/8"	293.1
21533370 (B)	OUTSIDE HINGE CORNER 30 x 30 x 300 OUTSIDE HINGE CORNER 11-13/16" x 11-13/16" x 9'-10 1/8"	301.9



		PART NO.	DESCRIPTION	WEIGHT (lbs)
		21534005	INFILL BAR 5 x 300 INFILL BAR 2' x 9'-10 1/8'	52.8
		21534010	INFILL BAR 10 x 300 INFILL BAR 4' x 9'-10 1/8'	103.5
P.28	 <p>Not available</p>	21534040	INFILL PANEL 40 x 300 INFILL PANEL 15-3/4' x 9'-10 1/8'	121.2
		21554042 21583907	ACCESSORIES REQUIRED 1 ea 15-3/4' U-CHANNEL 1 ea S19 SMALL WINGNUT (5/8')	

P.18



PART NO.

DESCRIPTION

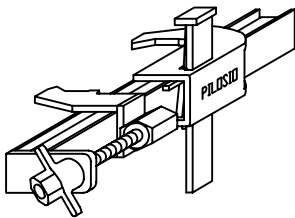
WEIGHT
(lbs)

21535010

"MAGNUM" ALIGNING CONNECTOR

11.4

P.26
P.27
P.39

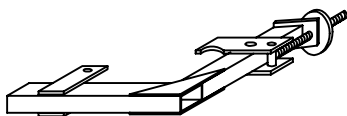


21535020

"MAGNUM" ADJUSTABLE CONNECTOR

16.5

P.35
P.36



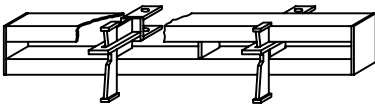
Not Available

21535025

SCREW ALIGNER FOR OUTER ANGLES

20.9

P.23
P.28
P.62

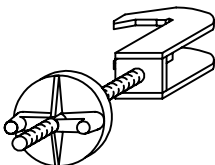


21535030

ALIGNING DEVICE

36.3

P.29
P.31
P.62



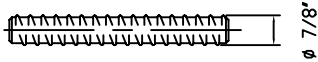
21535040

CONNECTING DEVICE FOR CORNER
MUST ADD THE FOLLOWING
21585900 1 ea S34 NUTWASHER (7/8")

9.6

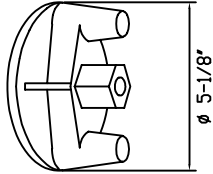
P.52

ALLOWABLE LOAD: 38,000 lbs
2:1 SAFETY FACTOR



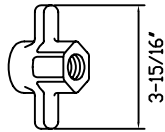
PART NO.	DESCRIPTION	WEIGHT (lbs)
21585037	S34 TIE-ROD LG = 14-3/4"	2.2
21585075	S34 TIE-ROD LG = 29-1/2"	4.2
21585100	S34 TIE-ROD LG = 39-3/8"	5.7
21585150	S34 TIE-ROD LG = 59"	8.5
21585200	S34 TIE-ROD LG = 78-3/4"	11.4
21585250	S34 TIE-ROD LG = 98-3/8"	14.3
21585300	S34 TIE-ROD LG = 118-1/8"	17.1

P.52 thru P.55



21585900	S34 NUTWASHER (7/8")	3.3
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P.59

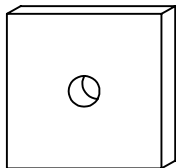


21585907	S34 SMALL WINGNUT (7/8")	0.8
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P.22
P.42

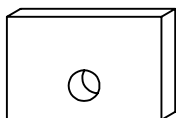
21585910	S34 HEX NUT (7/8")	0.6
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P.59



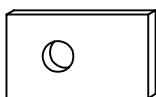
21585930	4-3/4"x4-3/4"x5/8" PLATE WASHER FOR S34 TIE-ROD	3.5
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P.22



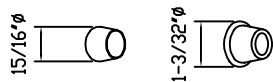
21585935	4-3/4"x3"x5/8" PLATE WASHER FOR S34 TIE-ROD	2.4
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P.42



21585940	4-1/4"x2-1/2"x5/16" PLATE WASHER FOR S34 TIE ROD	1.1
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P.51 thru P.55
P.30



PART NO.

DESCRIPTION

WEIGHT
(lbs)

21584024

15/16" ϕ PLASTIC PLUG
FOR ADJUSTABLE PANEL HOLES

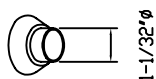
0.002

21584028

1-3/32" ϕ PLASTIC PLUG
FOR TIE HOLES

0.002

P.51 thru P.55

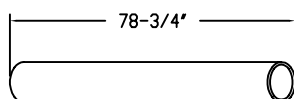


21584105

1" PLASTIC CONE FOR SPACER TUBE

0.004

P.51
P.52

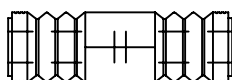


21584210

1-3/16" ϕ PLASTIC SPACER TUBE

0.67

P.58

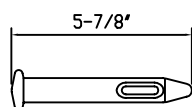


XXXX

S34 WATER-STOP

2.2

P.23
P.28
P.33
P.36
P.47
P.48

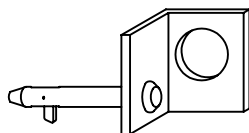


21581010

"P300" PIN

0.62

P.50

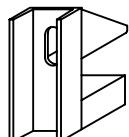


21537095

LIFTING PIN

2.2

P.63

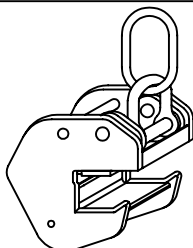


21537020

DRY TIE BRACKET

6.6

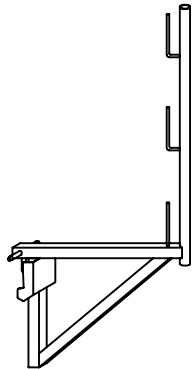
P.49



21537100

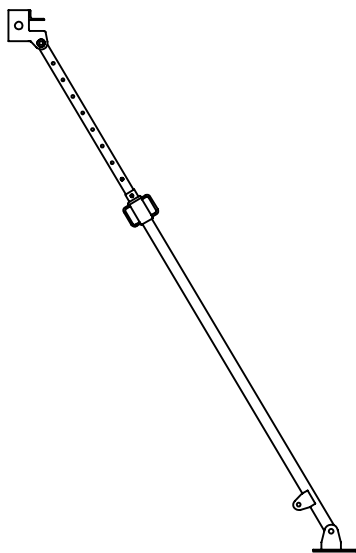
CRANE HOOK

17.6

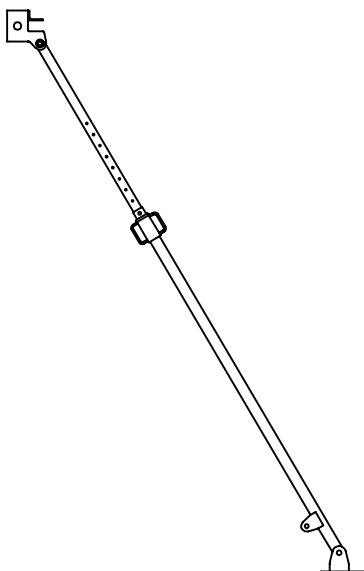


PART NO.	DESCRIPTION	WEIGHT (lbs)
21591005	WORKING BRACKET	26.5
21591200	PUSH-PULL PROP 6'-10" TO 11'-10"	46.3
21591201	PUSH-PULL PROP 9'-10" TO 15'-0"	55.1

P.46



P.47

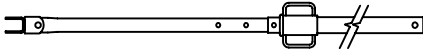


P.46
P.47

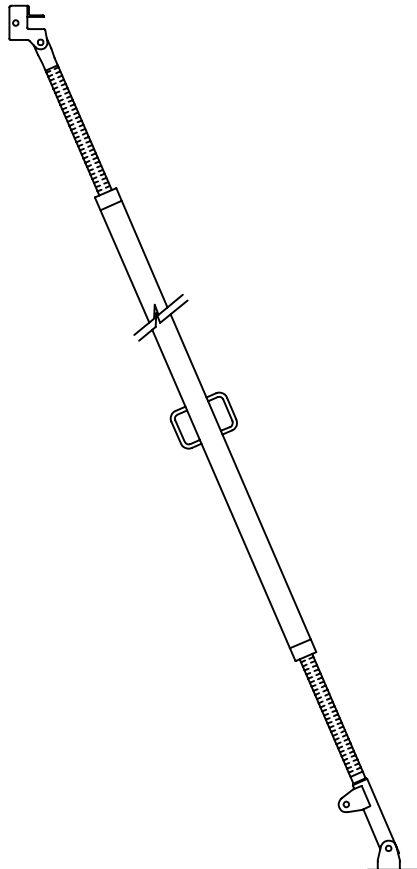


PART NO.	DESCRIPTION	WEIGHT (lbs)
21591205	3'-7" TO 4'-11" ADJUSTABLE ARM FOR PUSH PULL PROPS 21591200 AND 21591201	19.8
21591305	6'-10" TO 11'-10" ADJUSTABLE ARM FOR PUSH PULL PROP 21591300	41.9
21591300	17'-4" TO 23'-0" PUSH-PULL PROP	127.8

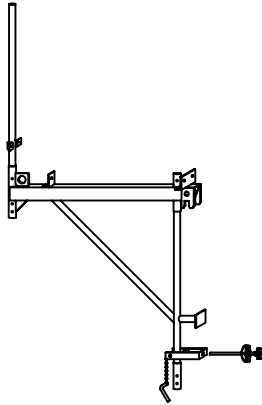
P.48



P.48



P.67 thru P.70



PART.N0.

DESCRIPTION

WEIGHT
(lbs)

21592000

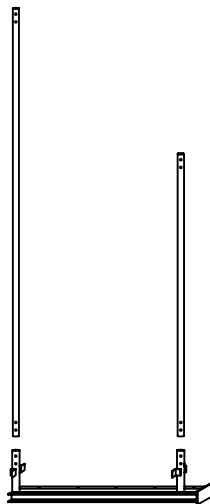
WALL SUPPORT BRACKET

97

21580002
21580005
0200-00

Accessories Required
1 EA GUARD RAIL POST
1 EA ANTI LITING BRACKET
TOGGLE PIN

P.67 thru P.70



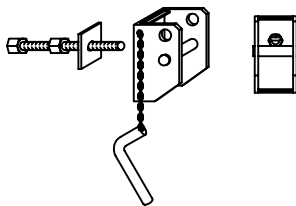
21592010

TRAILING BRACKET PLATFORM

104

21580006
21580007
21580008

Accessories Required
1 EA 10'-10" EXTERIOR TUBE
1 EA 7'-2" INTERIOR TUBE
7/16"x3" GRADE 5 BOLT ASSEMBLIES

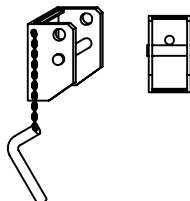


21592020

ANCHOR FOR SUPPORT BRACKET
w/ 24MM WELDED NUT

24.3

P.68 thru P.70

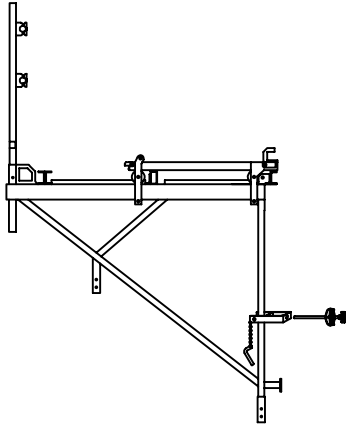


21592021

ANCHOR FOR SUPPORT BRACKET

17.6

P.71
P.72



PART NO.

DESCRIPTION

WEIGHT
(lbs)

21593000

WALL CLIMBING BRACKET

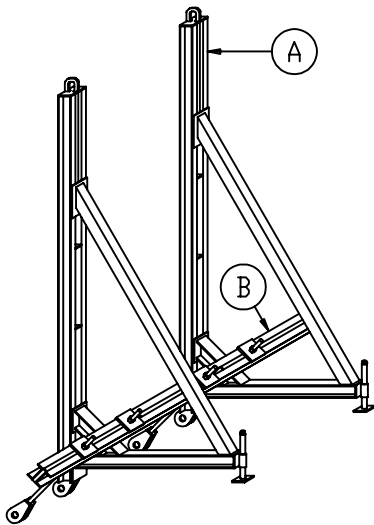
150

ACCESSORIES REQUIRED

21580004
21580005
0200-00

1 ea GUARD RAIL POST
1 ea ANTI LIFTING BRACKET
1 ea TOGGLE PIN

P.73
P.74



(A)

21594300

9'-10" ONE SIDED WALL BRACKET

311

(A)

21594400

13'-1" ONE SIDED WALL BRACKET

443

ACCESSORIES REQUIRED

21580002
21580003
21583900
21581010
4423-10

1 ea "L" SUPPORT BRACKET
2 ea "U" CLEVIS BOLT
2 ea S19 NUTWASHER (5/8")
3 ea P-300 PINS
3 ea HITCH PINS

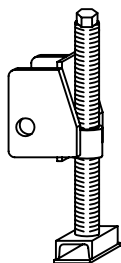
(B)

21594900

8'-2" DBL TIE DOWN CHANNEL

178.5

P.61



PART NO.

DESCRIPTION

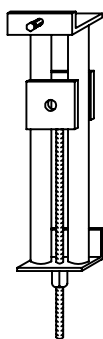
WEIGHT
(lbs)

21557010

ADJUSTABLE BASE

11.9

P.60

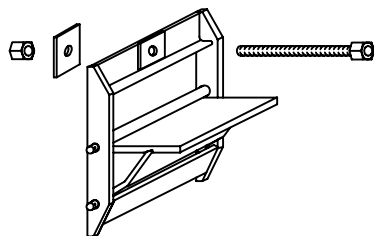


21598000

ADJUSTABLE SUPPORTING ANCHOR
4069 LB CAPACITY

23.1

P.64

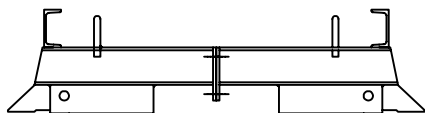


21598100

SUPPORT FOR WORKING PLATFORM
WITH TIE ROD

24.3

P.66

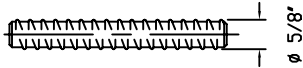


21598200

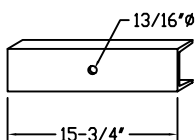
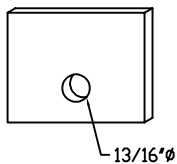
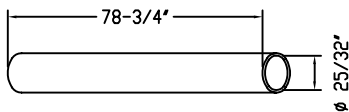
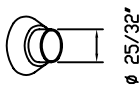
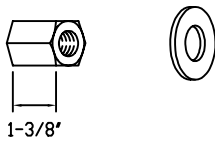
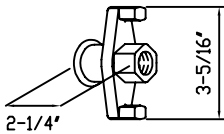
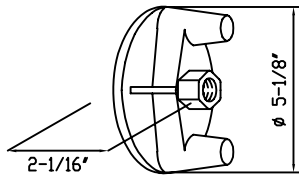
MOBILE COUPLING FOR WORKING
PLATFORM

/

ALLOWABLE LOAD = 21,000 LBS
2:1 SAFETY FACTOR



PART NO.	DESCRIPTION	WEIGHT (lbs)
21583025	S19 TIE-ROD LG = 9-7/8"	0.8
21583050	S19 TIE-ROD LG = 19-5/8"	1.6
21583075	S19 TIE-ROD LG = 29-1/2"	2.3
21583100	S19 TIE-ROD LG = 39-3/8"	3.1
21583150	S19 TIE-ROD LG = 59"	4.9
21583200	S19 TIE-ROD LG = 78-3/4"	6.4
21583900	S19 NUTWASHER (5/8")	2.6
21583907	S19 SMALL WINGNUT (5/8")	0.75
21583910	S19 HEX NUT (5/8")	0.24
21582920	WASHER FOR S19 TIE-ROD	0.02
21584100	25/32"Ø PLASTIC CONE FOR SPACER TUBE	0.004
21584200	25/32" PLASTIC SPACER TUBE	0.66
21582930	4"x3"x3/8" PLATE WASHER FOR S19 TIE-ROD	1.3
21554042	REINFORCING "U" CHANNEL	7.7

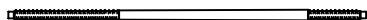


P.53
P.57



USES S34 NUTWASHERS (7/8")
S.W.L. = 32,500 LBS
2:1 SAFETY FACTOR

P.55
P.57



USES S34 NUTWASHERS (7/8")
S.W.L. = 32,500 LBS
2:1 SAFETY FACTOR

PART NO.	DESCRIPTION	WE
1172308	1" TO 7/8" TAPER TIE, 37" OA 8" TO 15" WALL	7
1172304	1" TO 7/8" TAPER TIE, 45" OA 16" TO 23" WALL	1
1172325	1" TO 7/8" TAPER TIE, 53" OA 24" TO 31" WALL	1
1172310	1" TO 7/8" TAPER TIE, 61" OA 32" TO 39" WALL	1
1172350	1" TO 7/8" IC TAPER TIE, 28" OA 4" TO 9" WALL	6
1172330	1" TO 7/8" IC TAPER TIE, 34" OA 10" TO 15" WALL	7
1172339	1" TO 7/8" IC TAPER TIE, 40" OA 16" TO 21" WALL	9
1172345	1" TO 7/8" IC TAPER TIE, 46" OA 22" TO 27" WALL	1
1172331	1" TO 7/8" IC TAPER TIE, 52" OA 28" TO 33" WALL	1
1172349	1" TO 7/8" IC TAPER TIE, 58" OA 34" TO 39" WALL	1
1172346	1" TO 7/8" IC TAPER TIE, 64" OA 40" TO 45" WALL	1

P. 54



PART NO.

DESCRIPTION

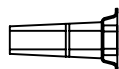
WEIGHT

1172307

5/8" STEEL SHE-BOLT CONE

1.5

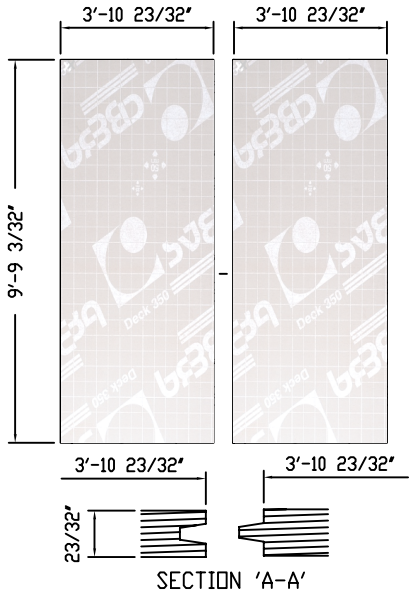
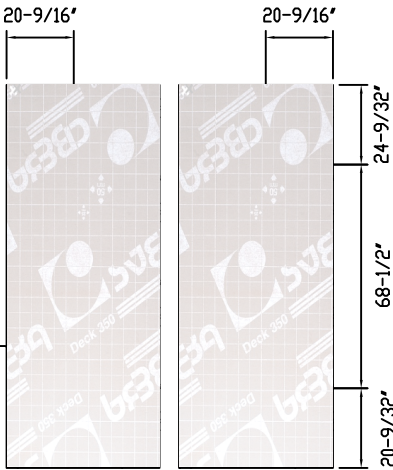
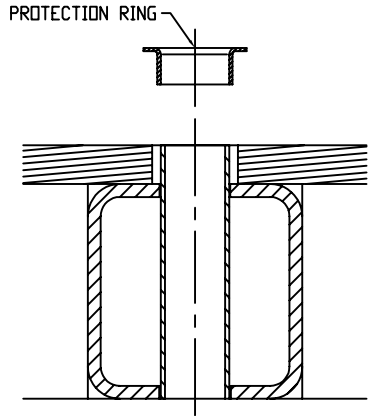
P. 54

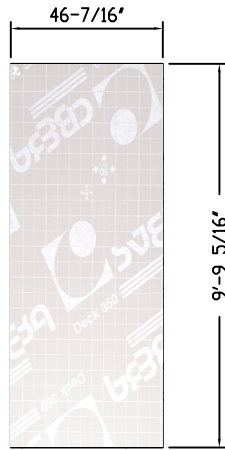


1172363

7/8" STEEL SHE-BOLT CONE

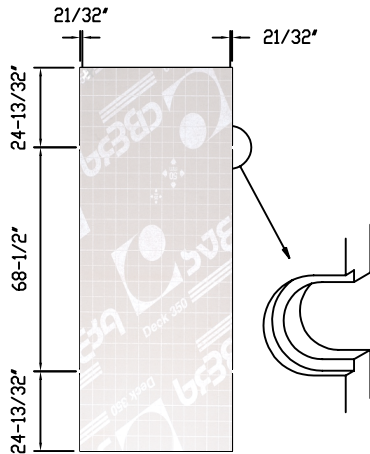
2.0

<p>P.75</p>  <p>SECTION 'A-A'</p>	<p>PART NO.</p>	<p>DESCRIPTION</p>	<p>WEIGHT (lbs)</p>
<p>P.75</p> 	<p>/</p>	<p>DRILLING OF PLYWOOD PANEL (ON REQUEST)</p>	<p>/</p>
<p>P.76</p> 	<p>2053P605</p>	<p>PLYWOOD PROTECTION RING FOR 240 x 300 PANEL</p>	<p>0.061</p>



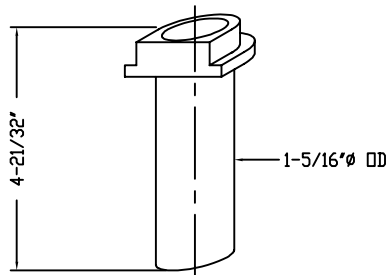
PART NO	DESCRIPTION	WEIGHT (lbs)
/	REPLACEMENT PLYWOOD FOR 120 x 300 MAGNUM PANEL	87.9
/	PLYWOOD SURFACE FOR UNDERSIZE PANELS	/

P.77

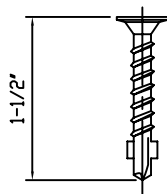


/	MILLING OF PLYWOOD PANEL (ON REQUEST)	/
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P.77

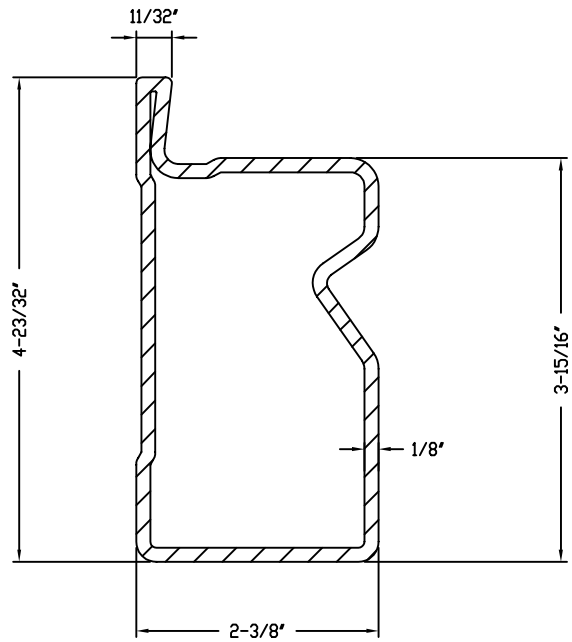


2107020120	PLASTIC GUIDE SLEEVE	0.083
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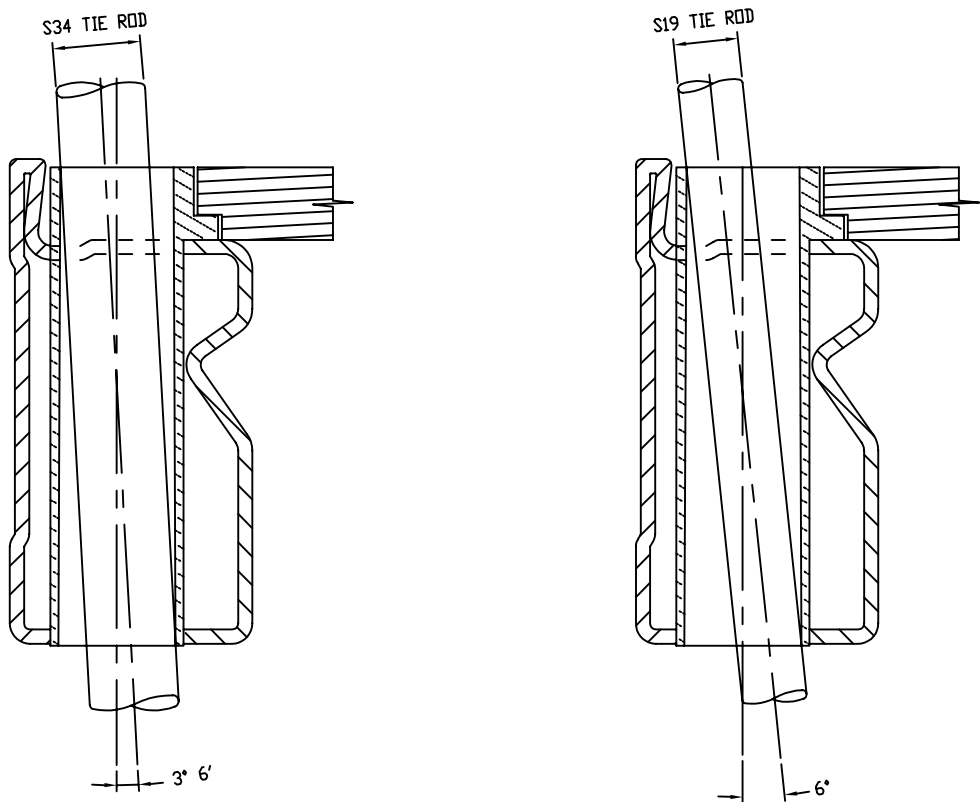


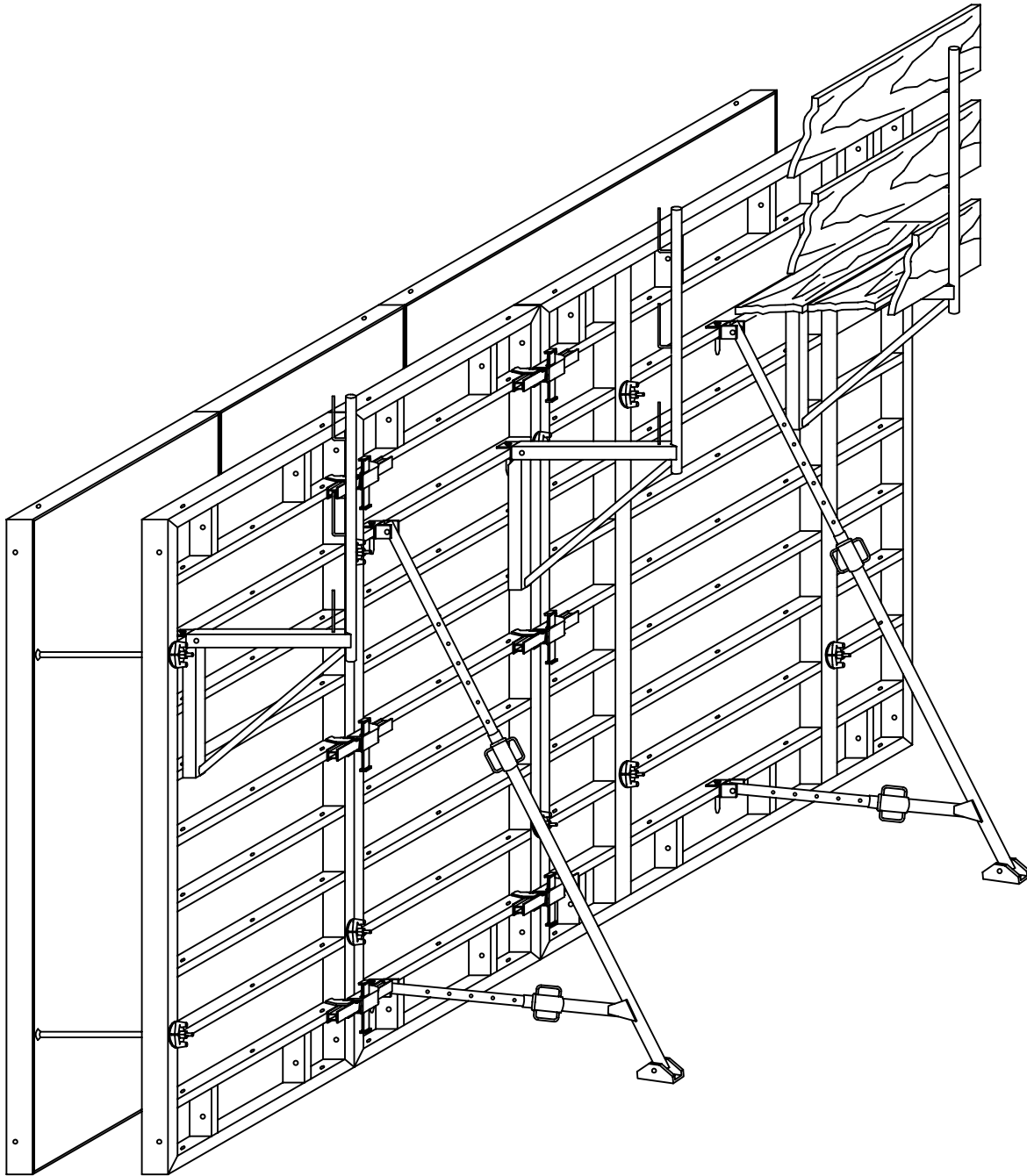
07605538	SELF THREADING SCREW	/
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CHARACTERISTICS OF "MAGNUM" PROFILE



MAXIMUM ANGLE OF TIE ROD IN TIE HOLE

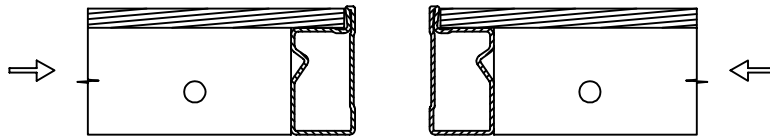




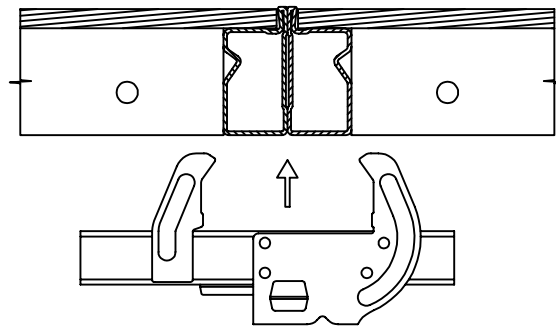
THE MAGNUM FORM SYSTEM IS RATED FOR
A MAXIMUM ALLOWABLE CONCRETE DESIGN
PRESSURE OF 1350 PSF

MAGNUM ALIGNING CONNECTOR DETAIL

1



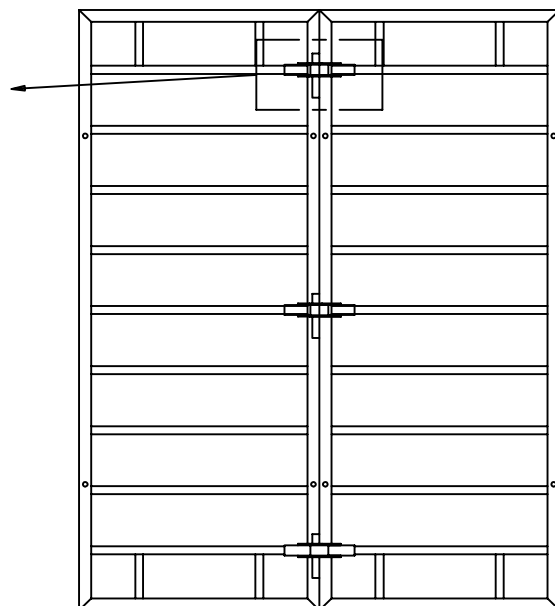
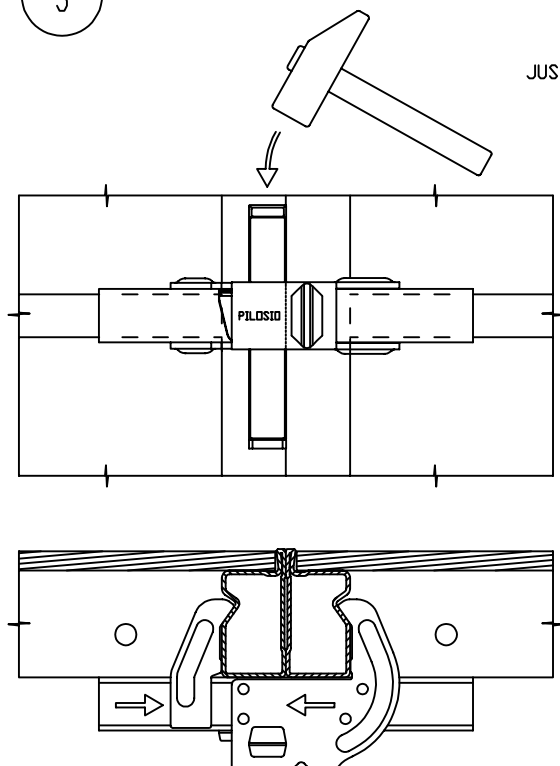
2



3

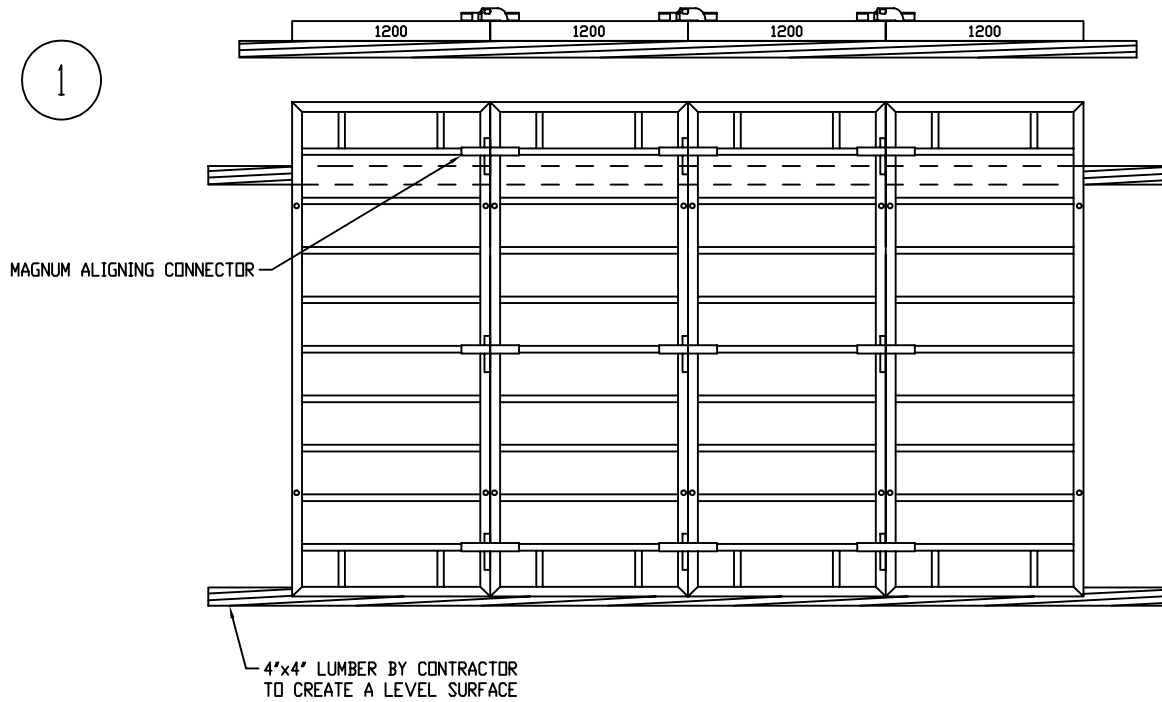
THE ASSEMBLY OF THE MAGNUM ALIGNING CONNECTOR MUST STRADDLE THE HORIZONTAL MEMBERS OF THE PANEL

JUST ONE OPERATION FOR CONNECTION AND ALIGNMENT OF PANELS

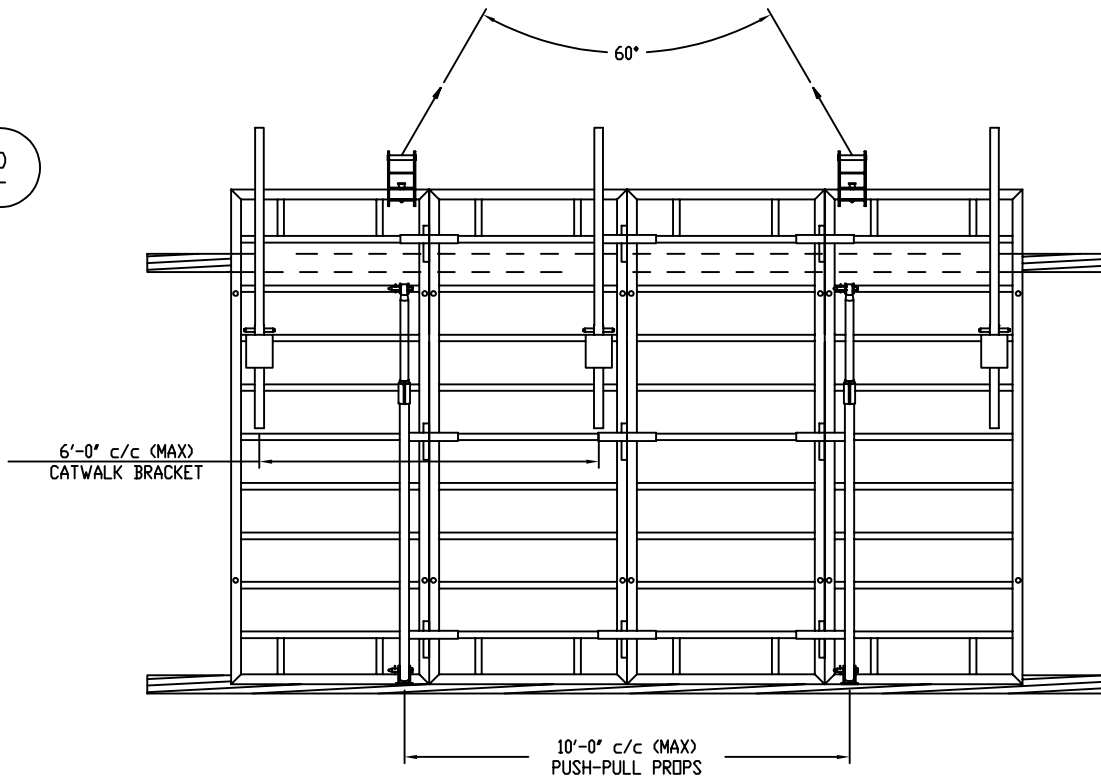


MAGNUM ASSEMBLY DETAIL

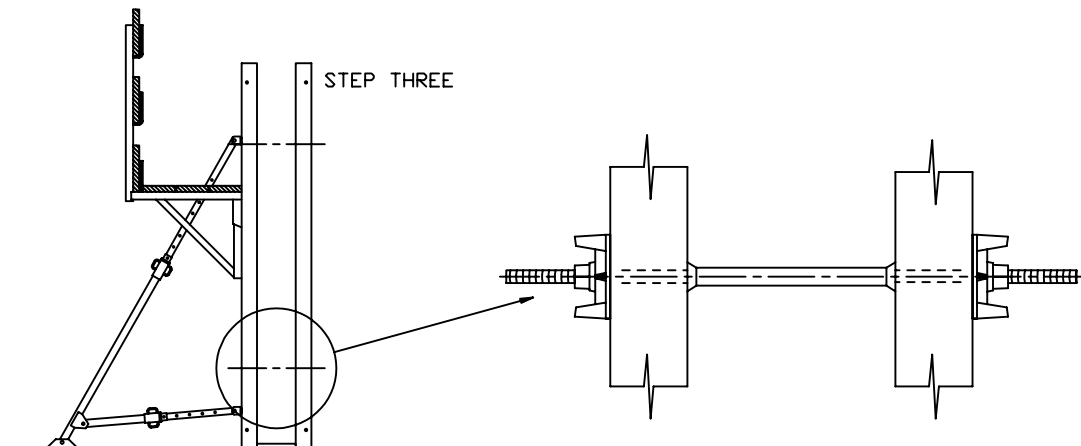
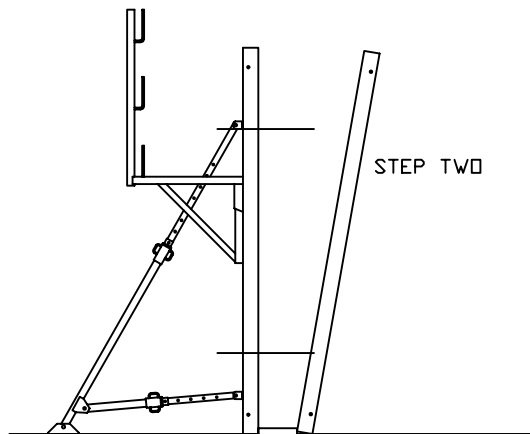
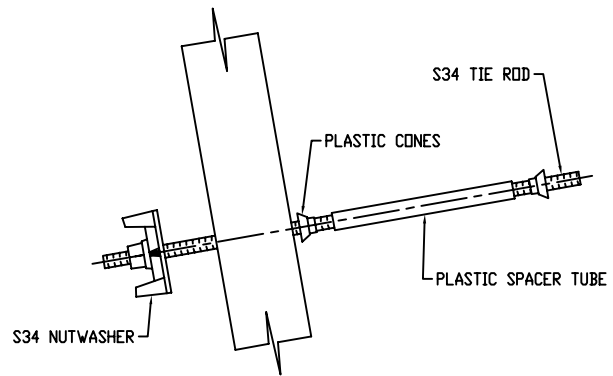
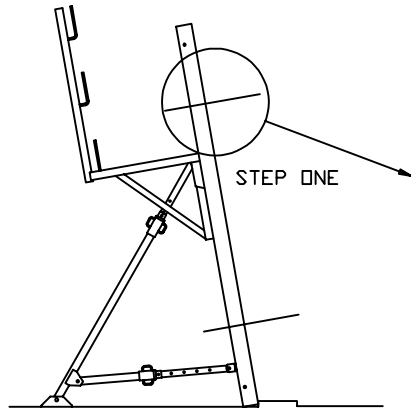
1



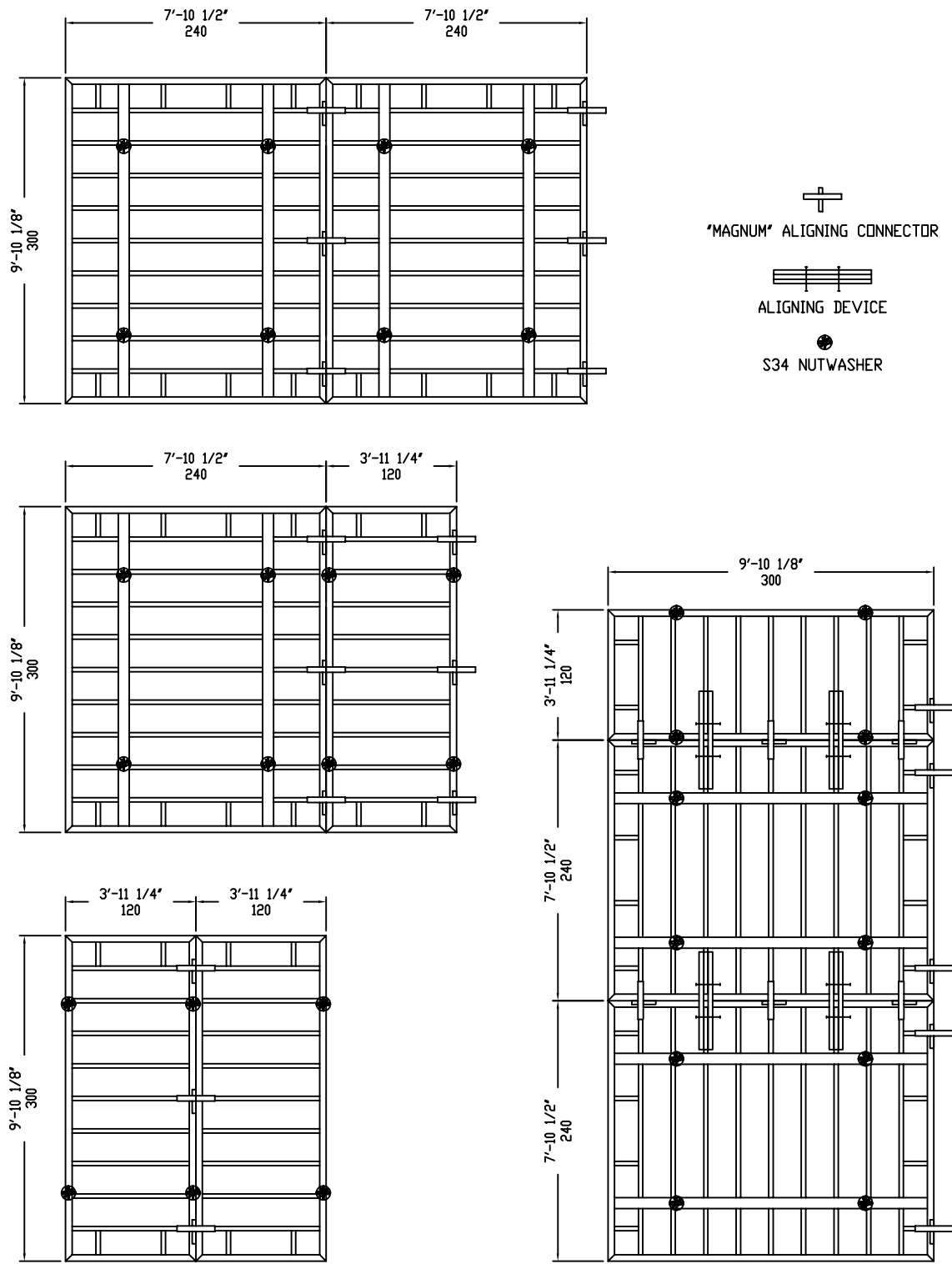
2



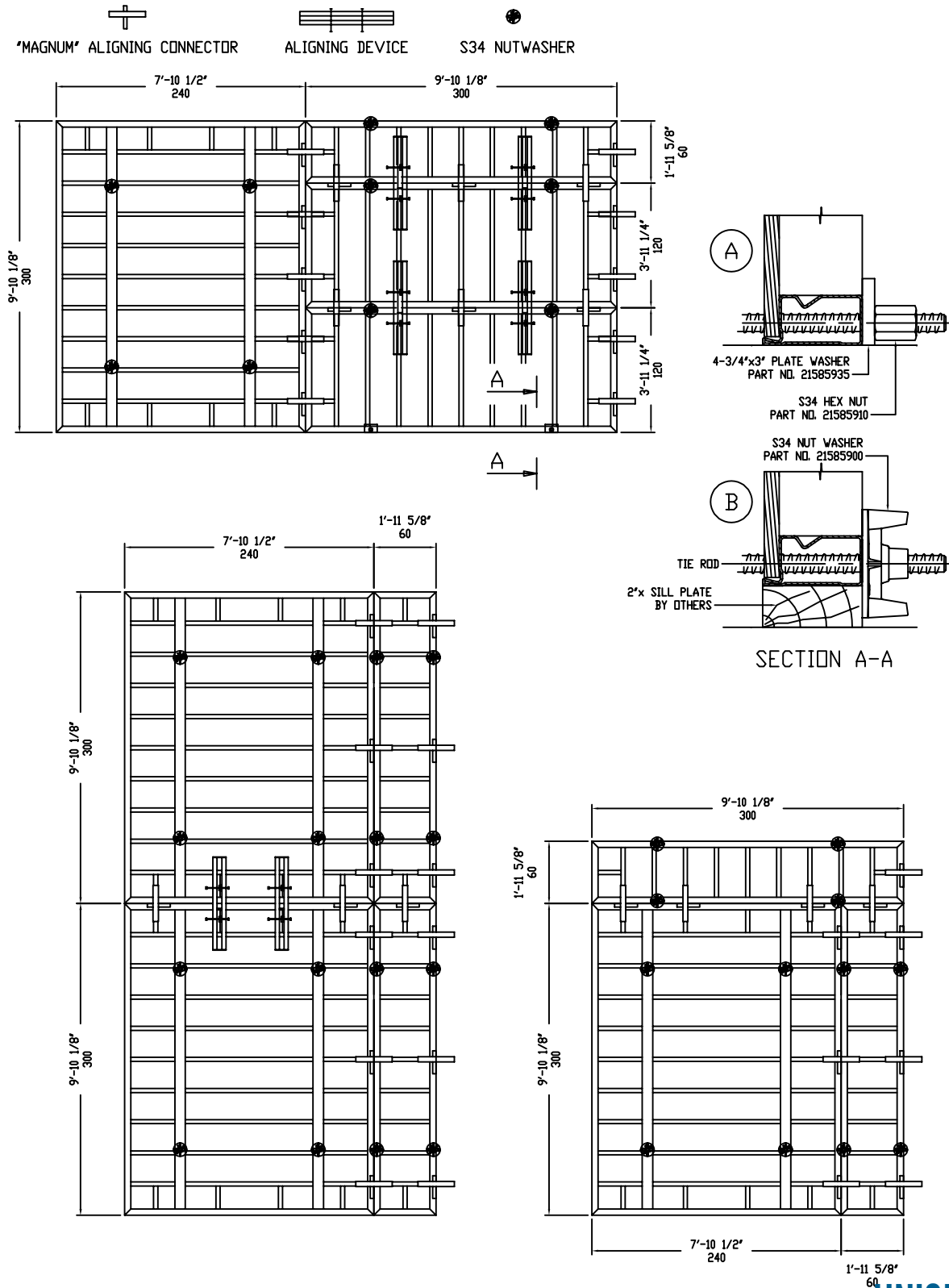
MAGNUM ASSEMBLY DETAILS



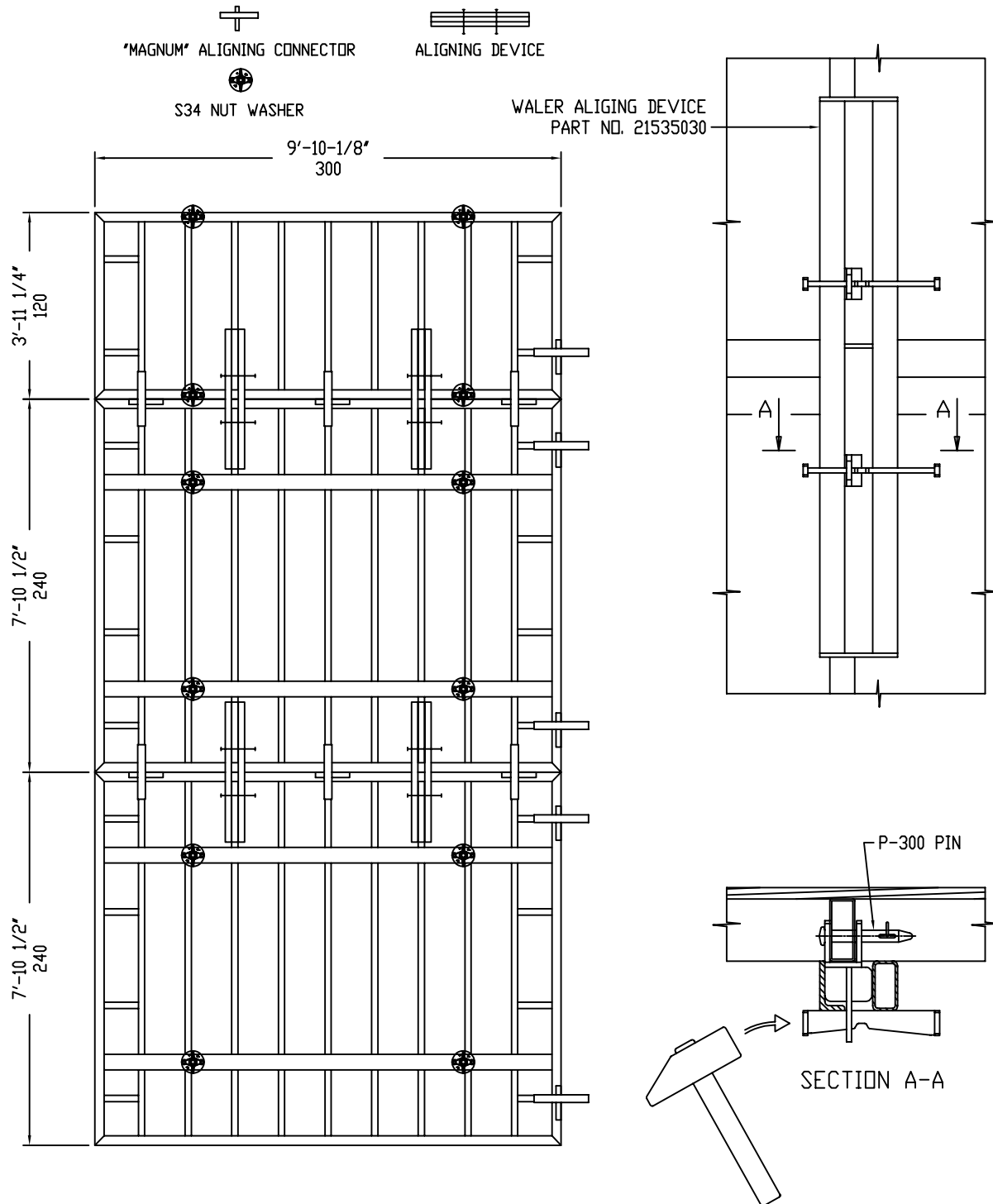
TYPICAL ELEVATIONS



TYPICAL ELEVATIONS

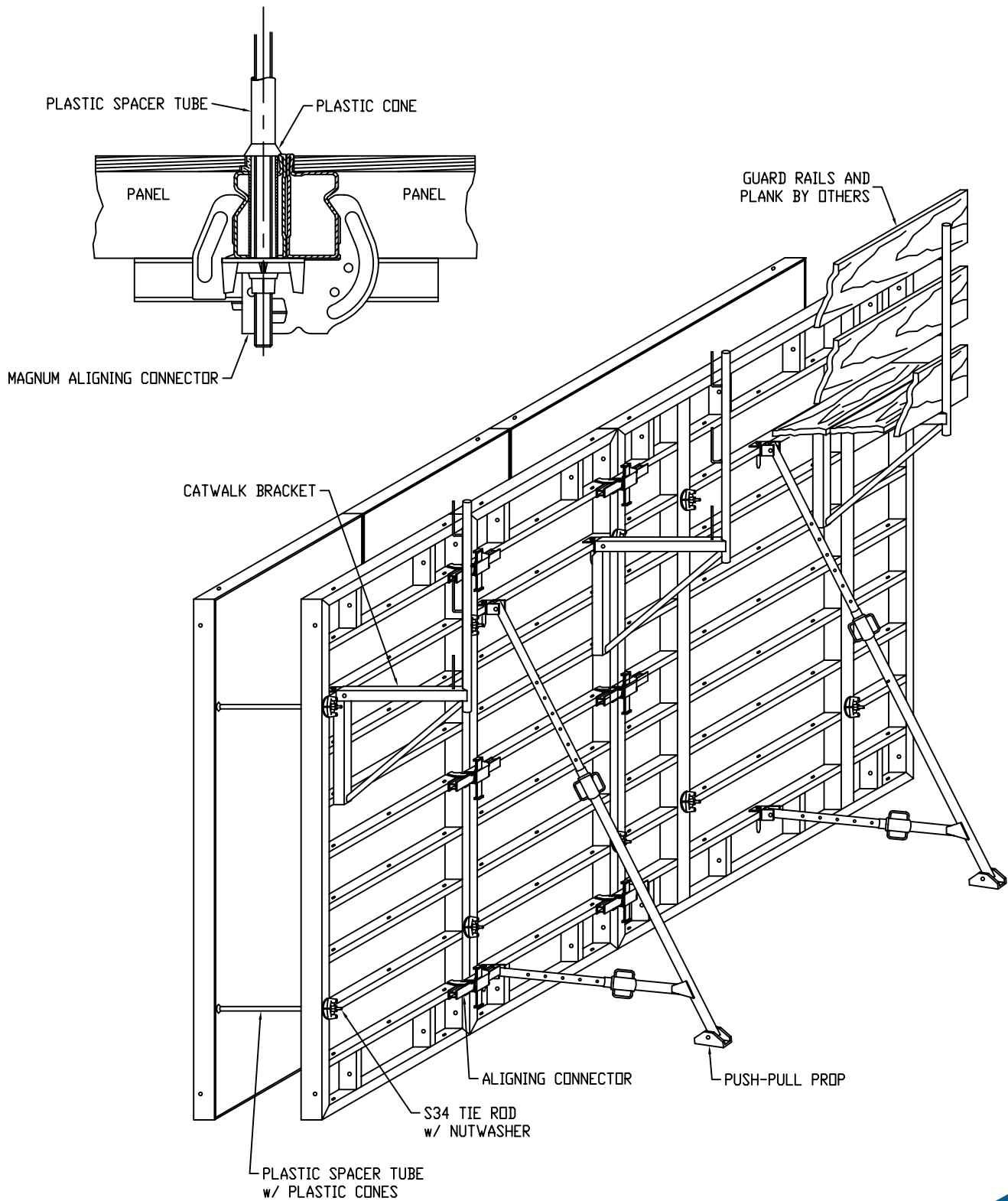


TYPICAL MAGNUM PANEL ELEVATIONS



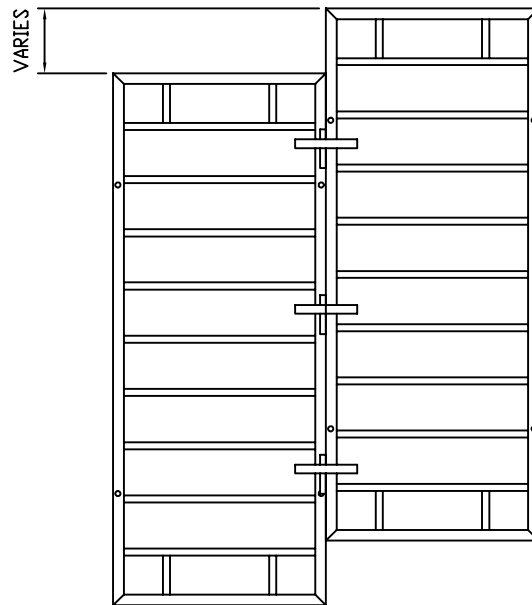
TYPICAL ELEVATION

DETAIL OF CONNECTION

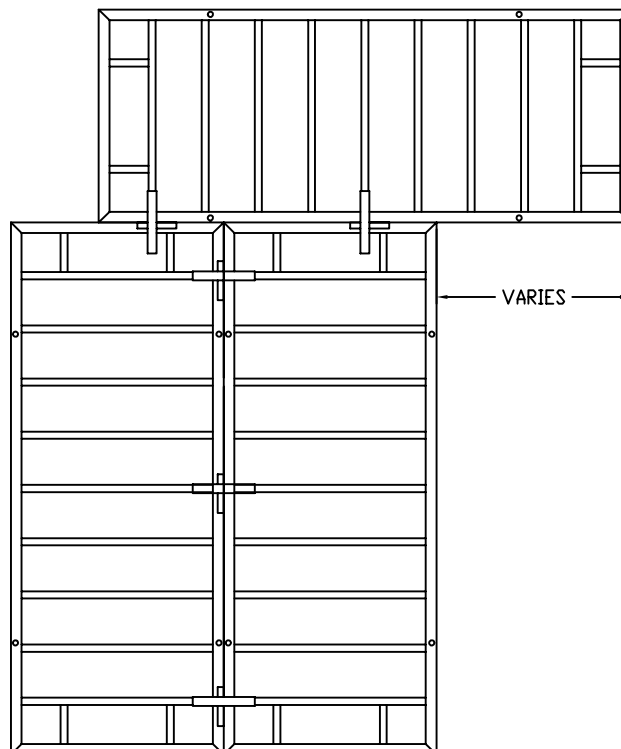


TYPICAL ELEVATIONS


 "MAGNUM" ALIGNING CONNECTOR

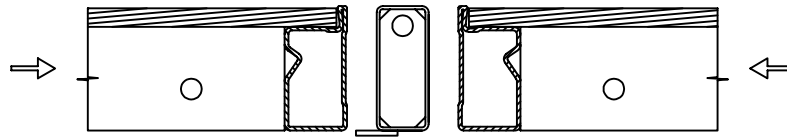


TIES NOT SHOWN FOR CLARITY

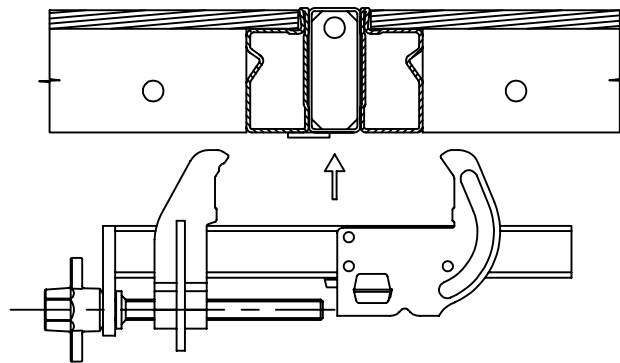


ADJUSTABLE CONNECTOR DETAIL (WEDGE & SCREW STYLE)

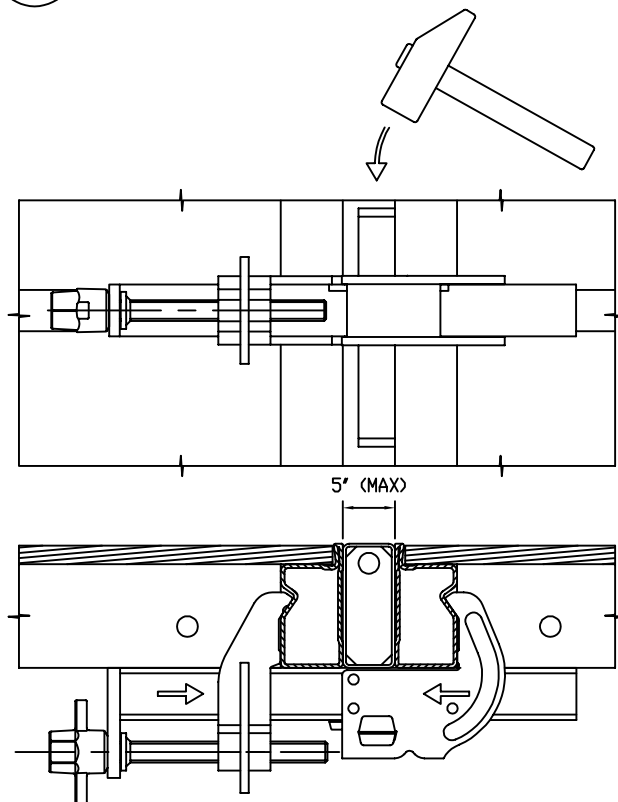
1



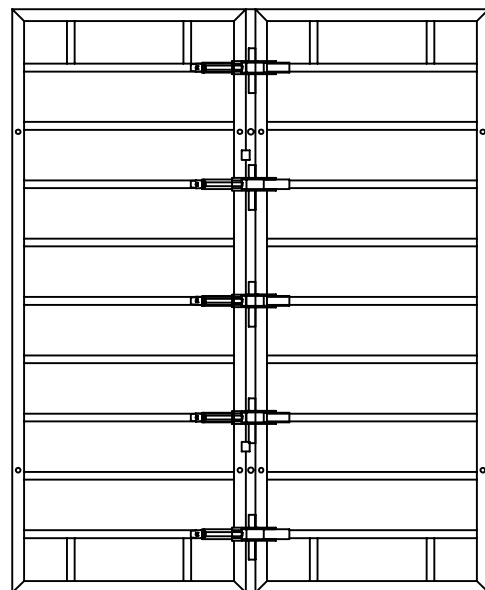
2



3

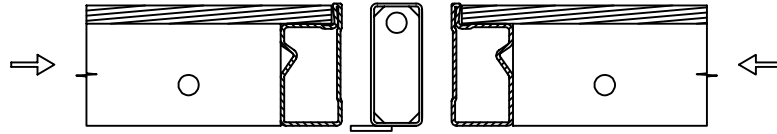


TIES/U-CHANNELS NOT SHOWN
FOR CLARITY

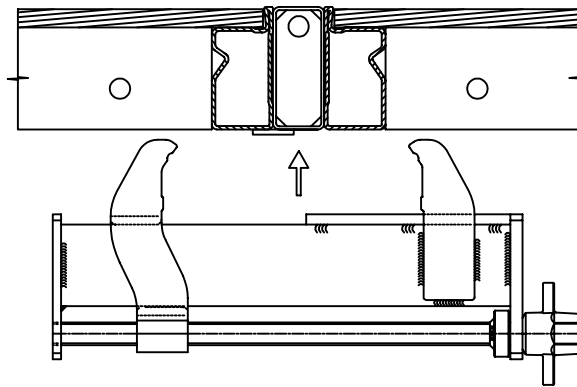


ADJUSTABLE CONNECTOR DETAIL (SCREW STYLE)

1

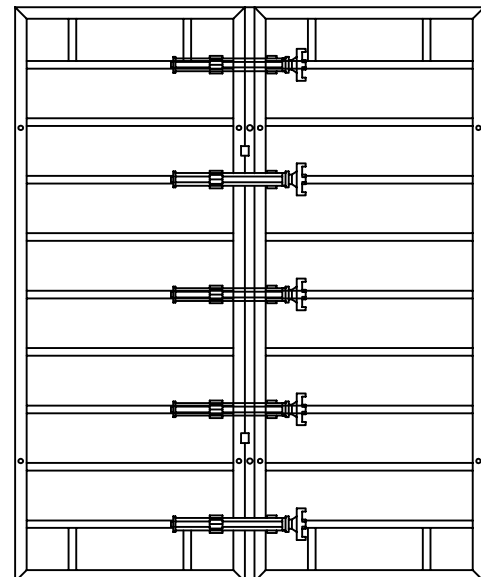
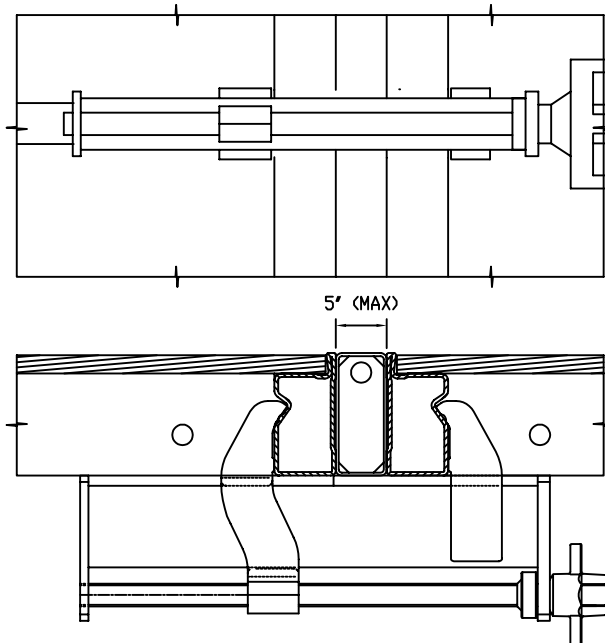


2

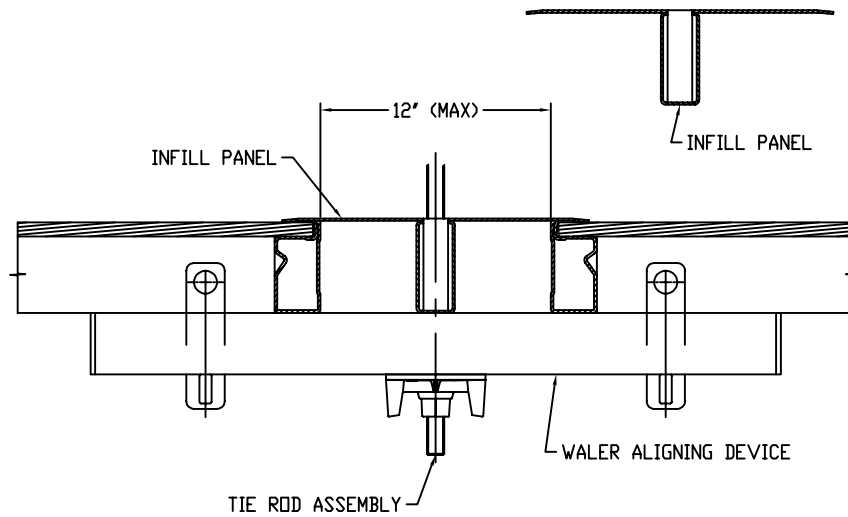
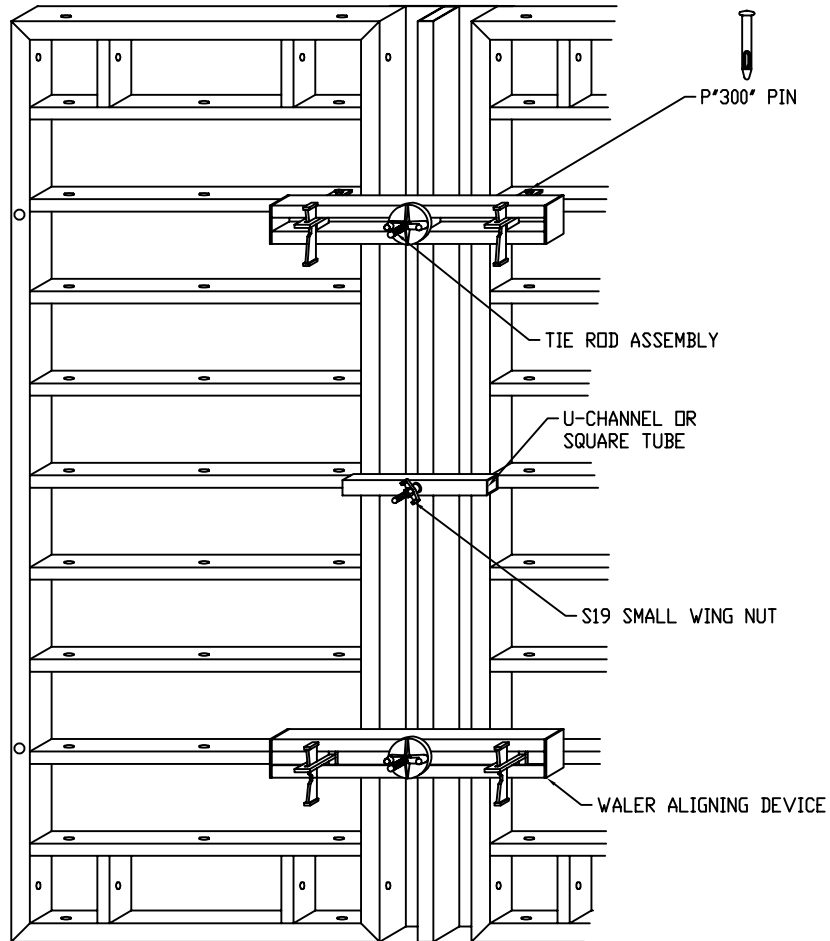


3

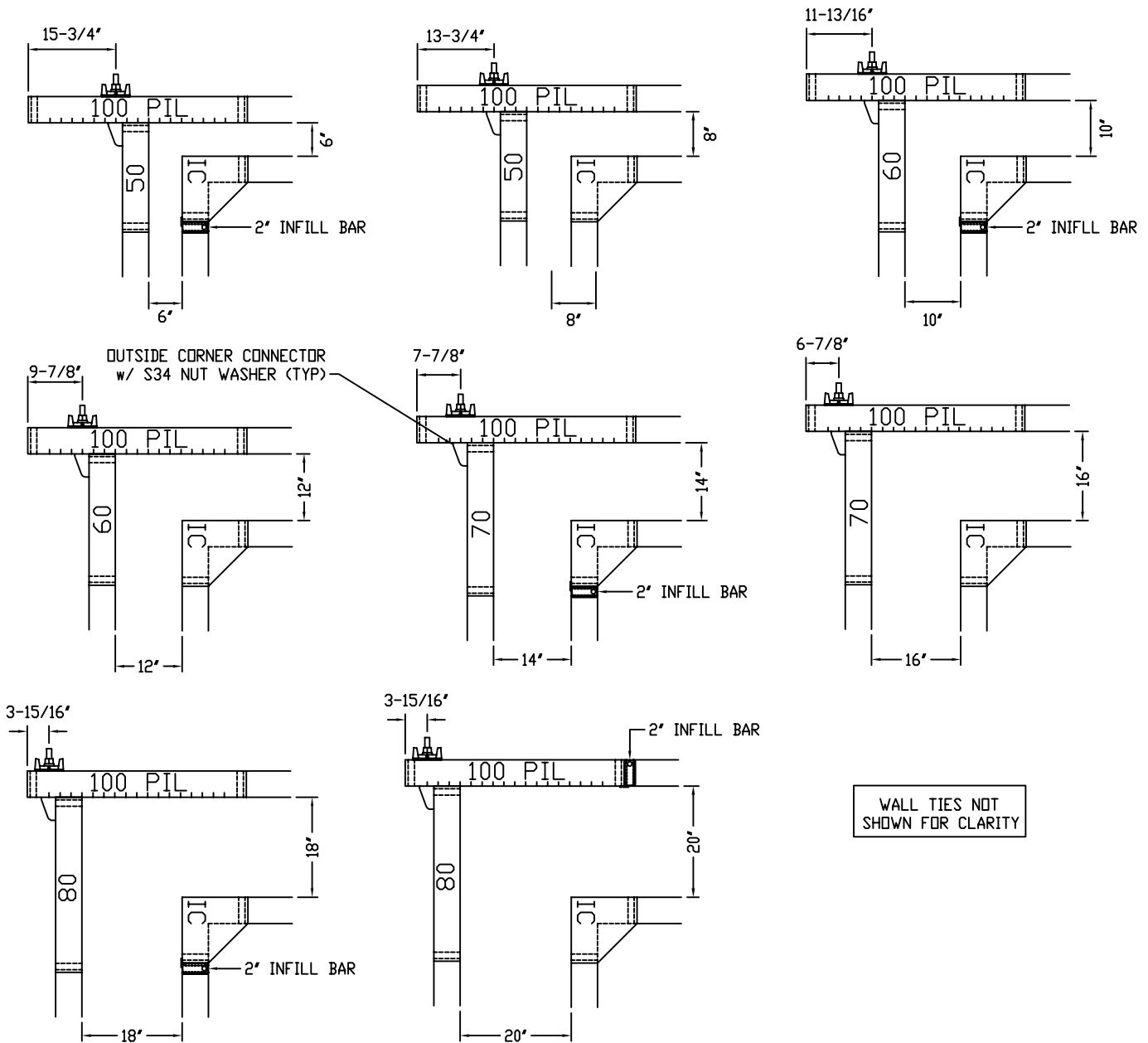
TIES/U-CHANNELS NOT SHOWN
FOR CLARITY



INFILL PANEL DETAILS

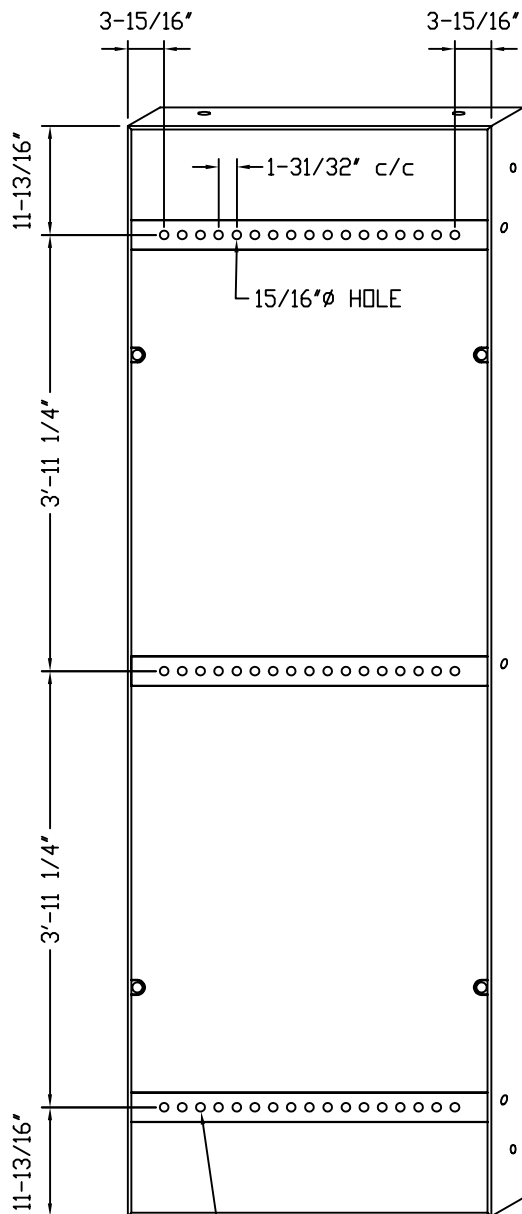


TYPICAL CORNER DETAILS WITH ADJUSTABLE PANEL



ADJUSTABLE PANEL FOR COLUMNS AND CORNERS

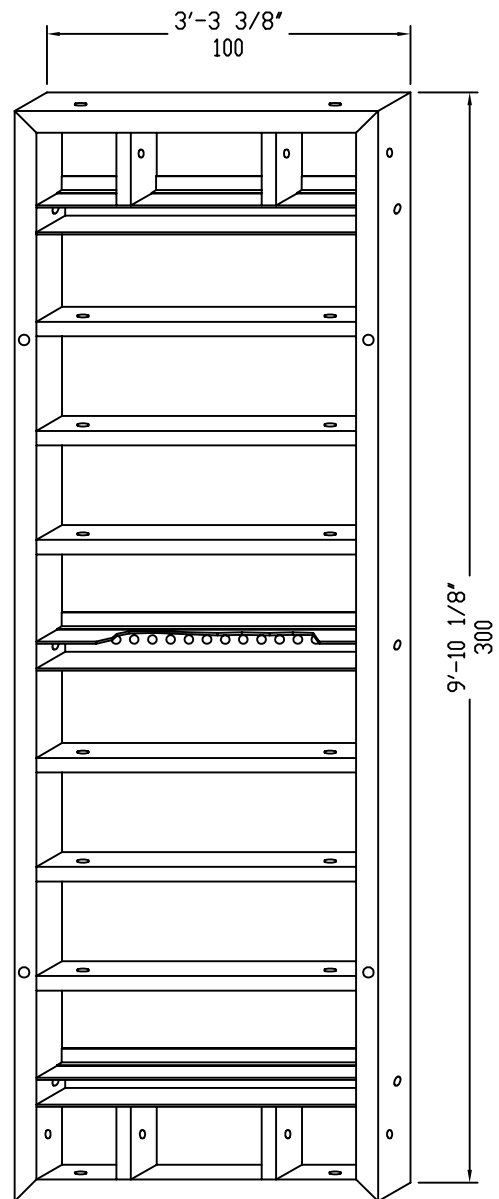
FRONT VIEW



PLUG UNUSED HOLES w/
15/16" ϕ PLASTIC PLUGS
PART NO. 21584024

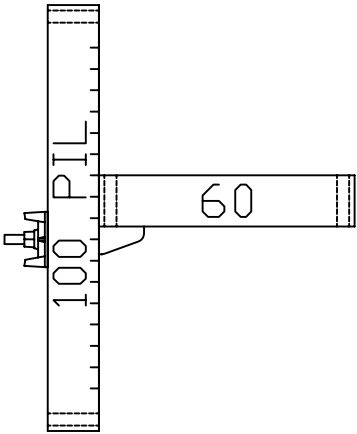
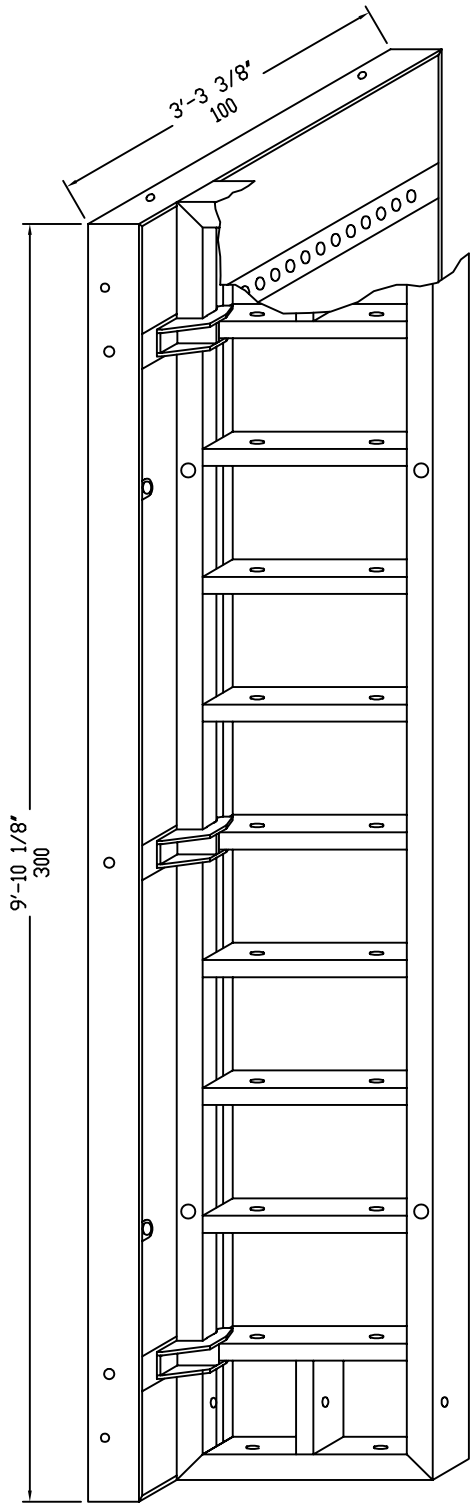


BACK VIEW

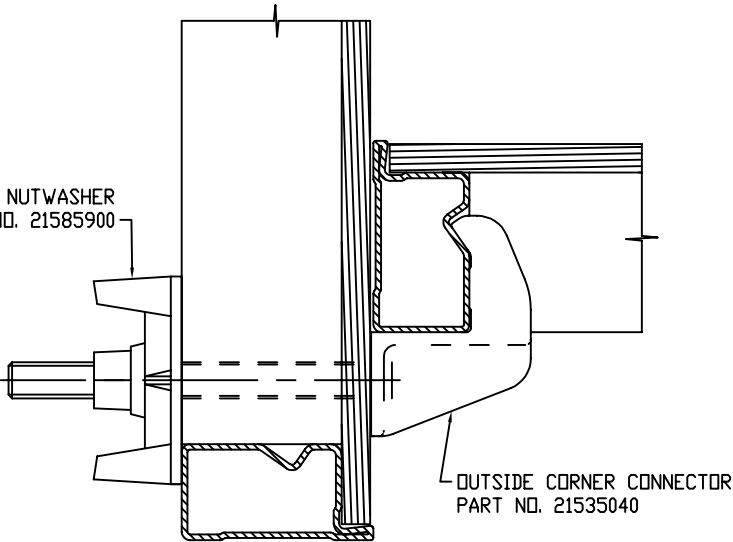


TYPICAL OUTSIDE CORNER DETAIL w/ ADJUSTABLE PANEL

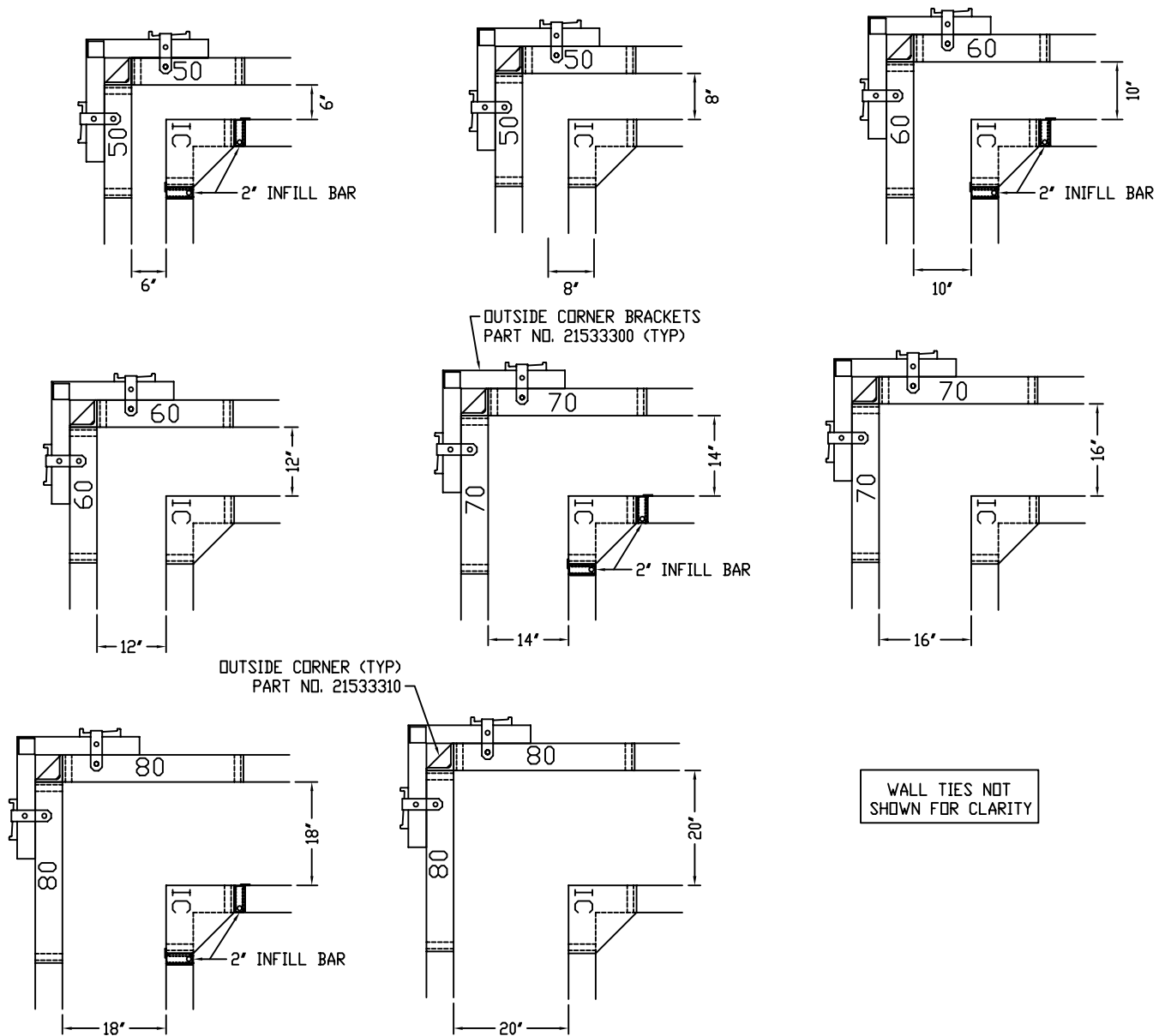
PLUG UNUSED TIE HOLES w/ 1-3/32" PLASTIC PLUG, PART NO. 21584028
 PLUG UNUSED ADJUSTABLE HOLES w/ 15/16" PLASTIC PLUGS, PART NO. 21584024



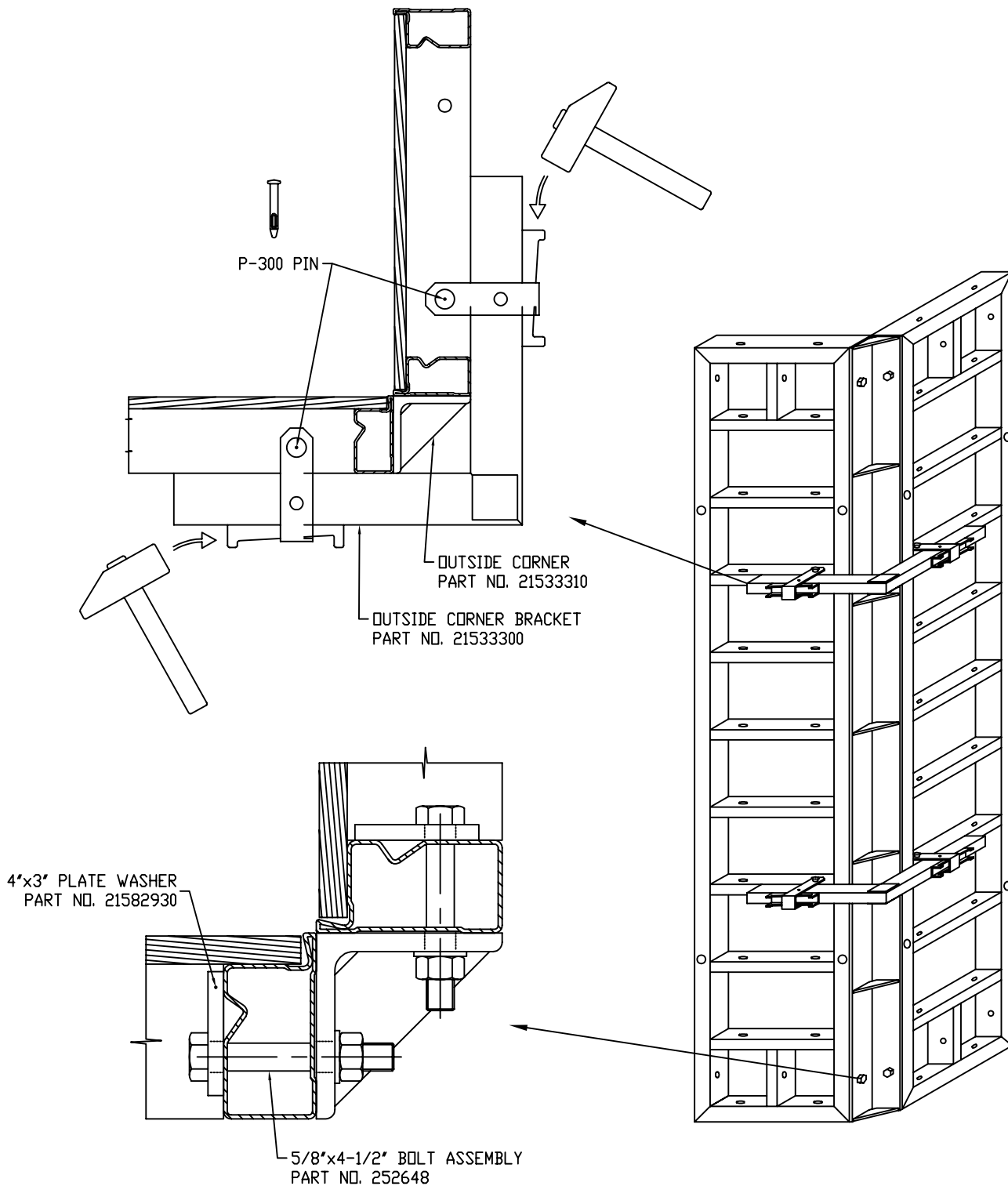
S34 NUTWASHER
 PART NO. 21585900



TYPICAL CORNER DETAILS WITH OUTSIDE CORNER ANGLE

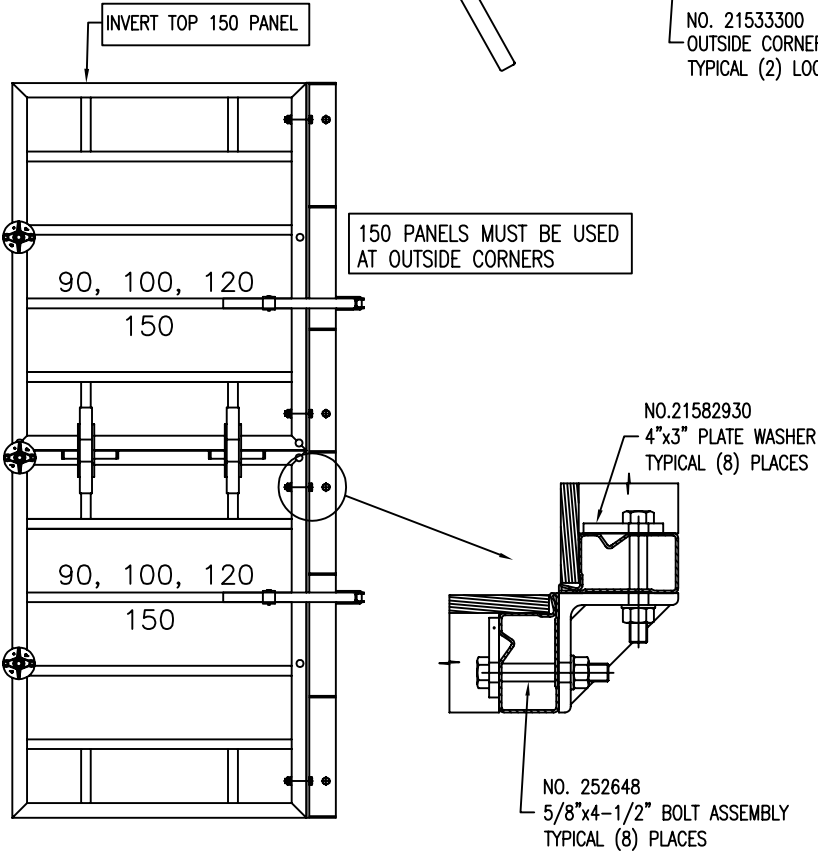
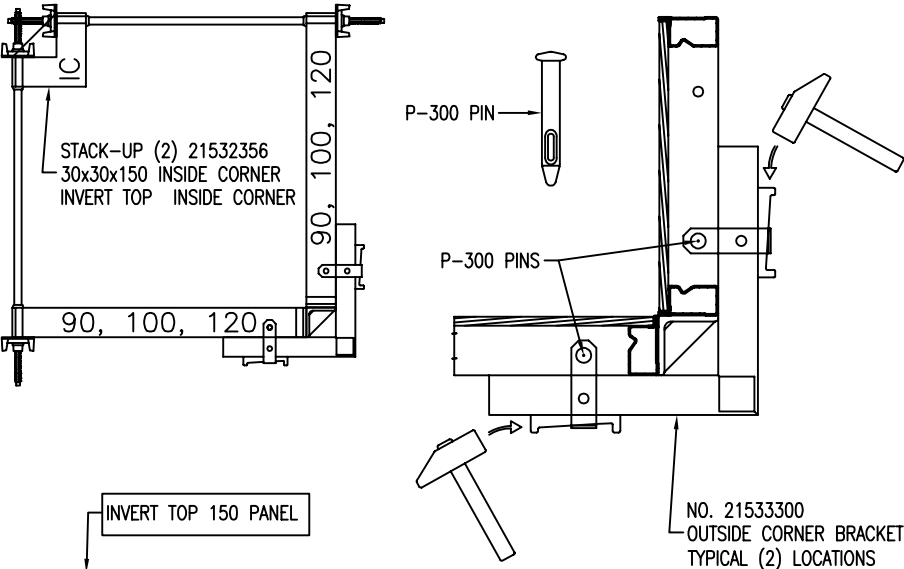


OUTSIDE CORNER DETAIL

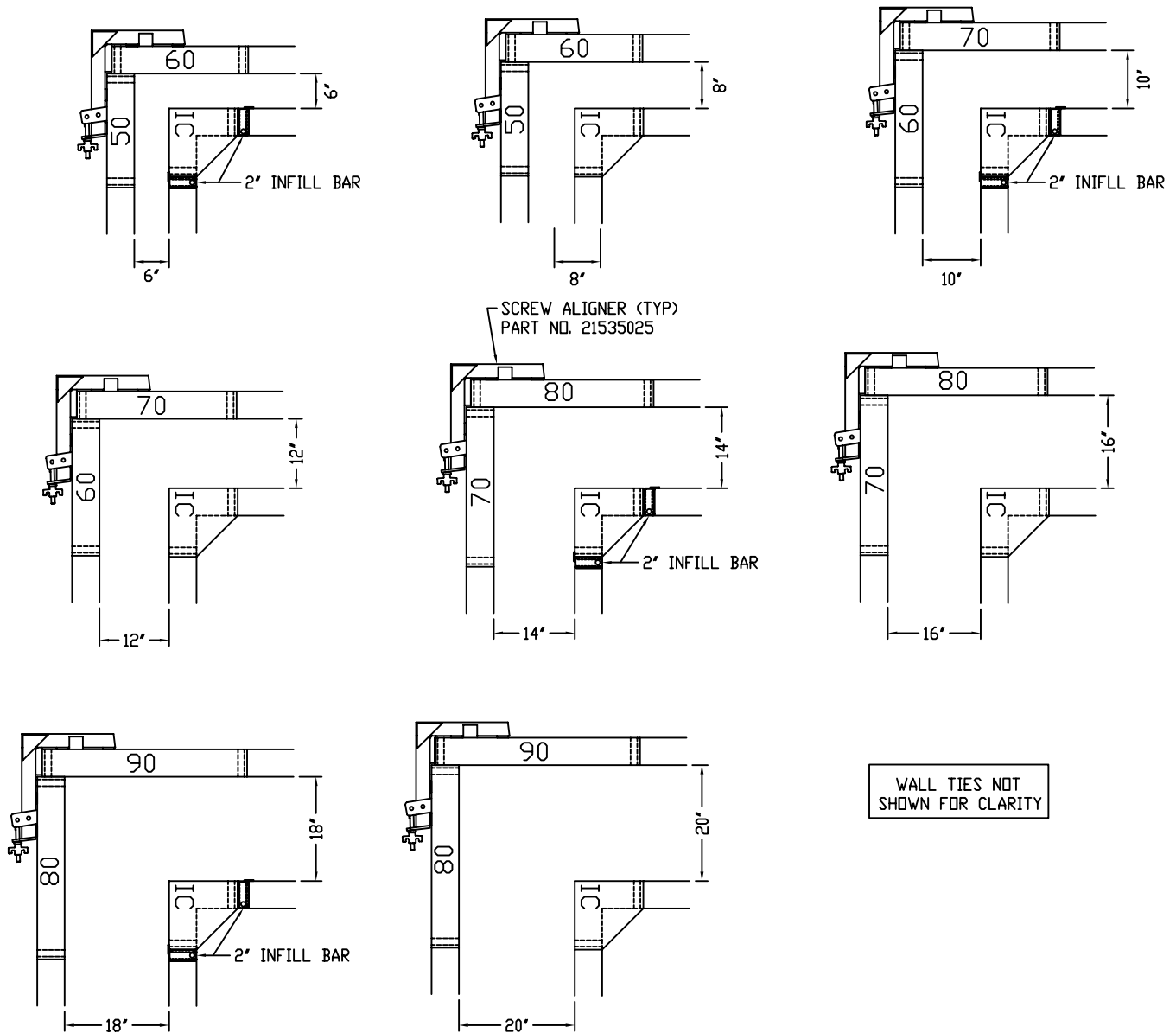


DETAIL WHEN USING 90, 100, 120 PANELS AT OUTSIDE CORNER

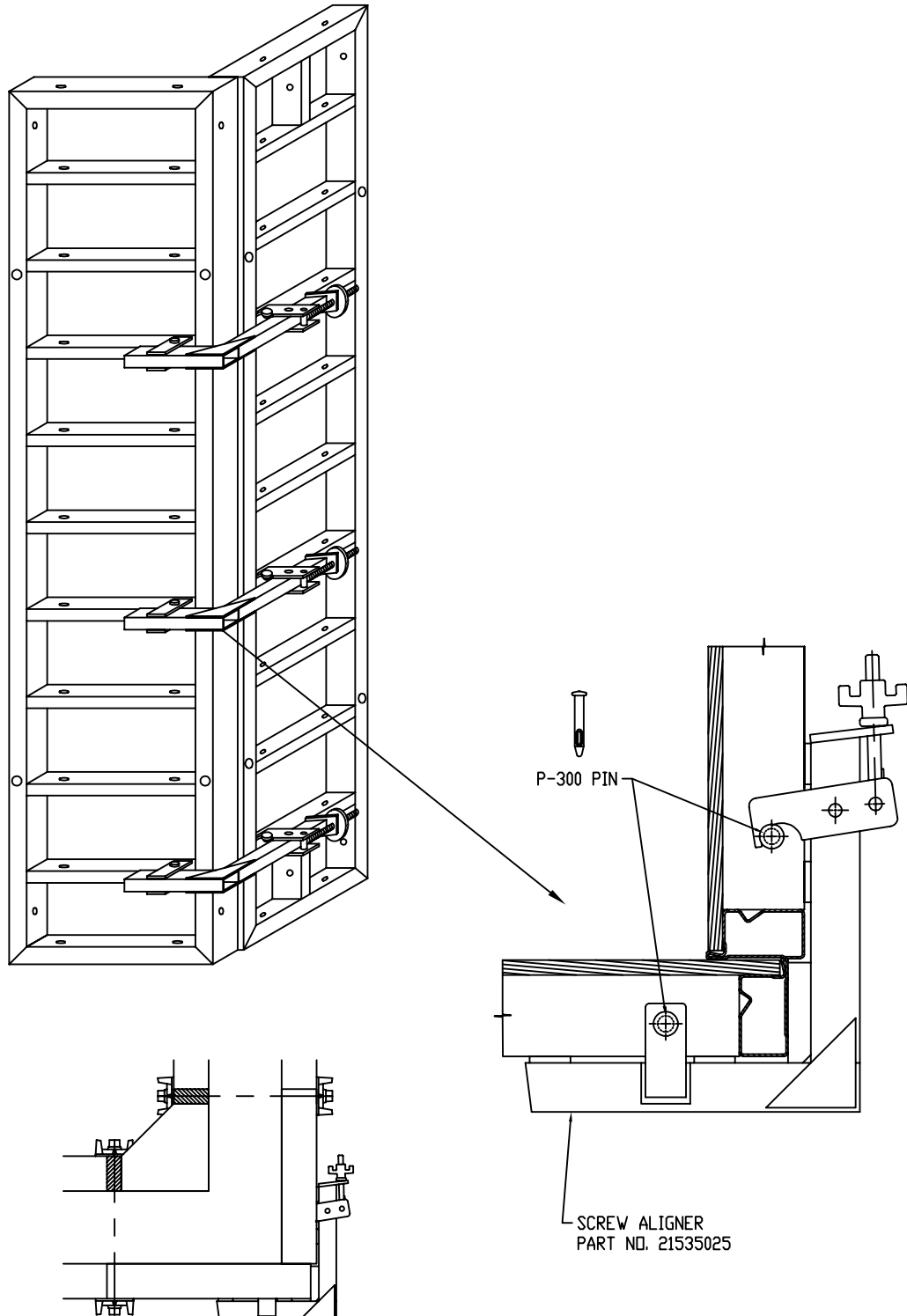
30x30x150 INSIDE CORNERS MUST BE USED AT INSIDE FACE TO ALLOW TIE HOLES TO LINE UP



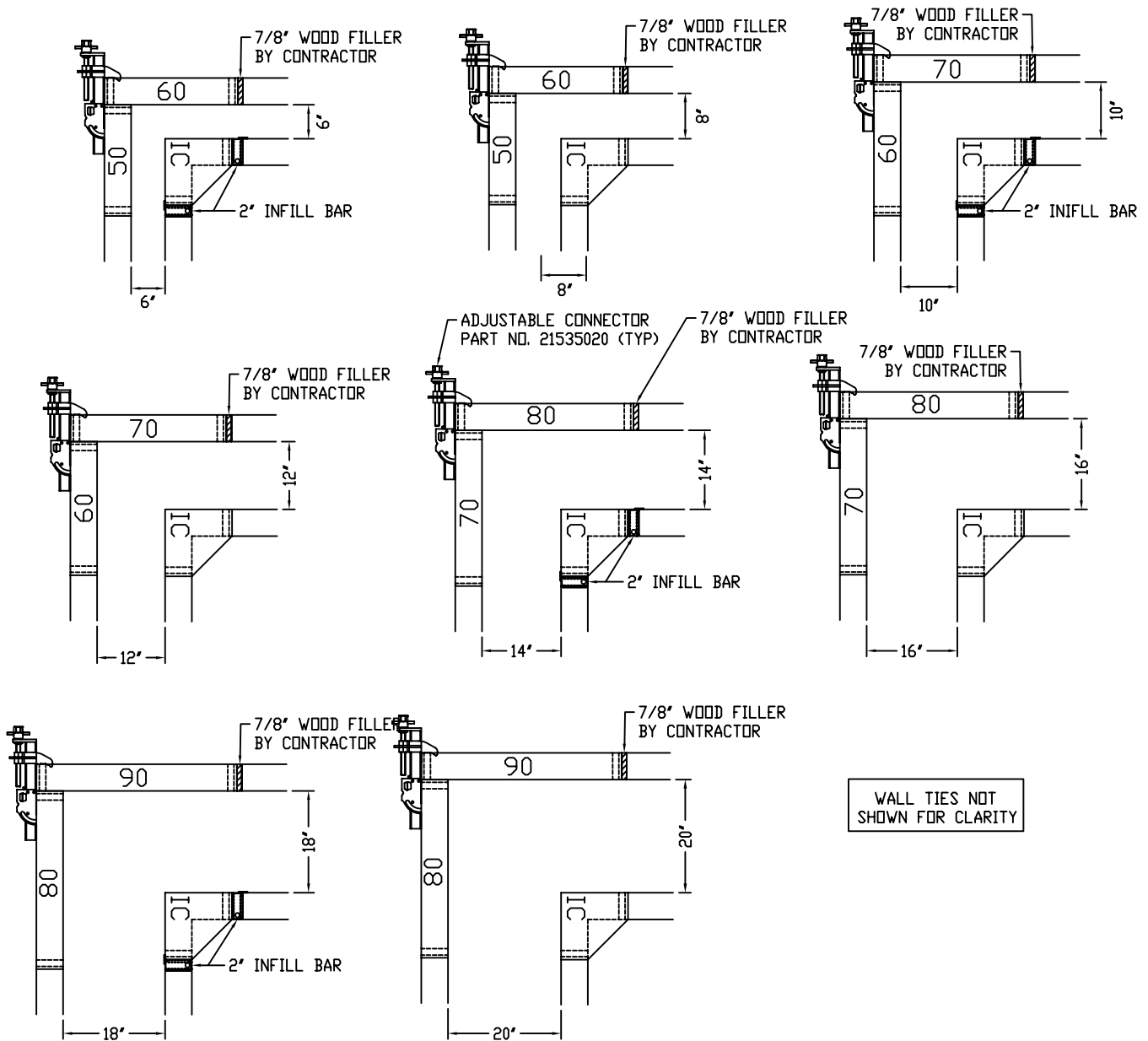
TYPICAL CORNER DETAILS WITH SCREW ALGINERS



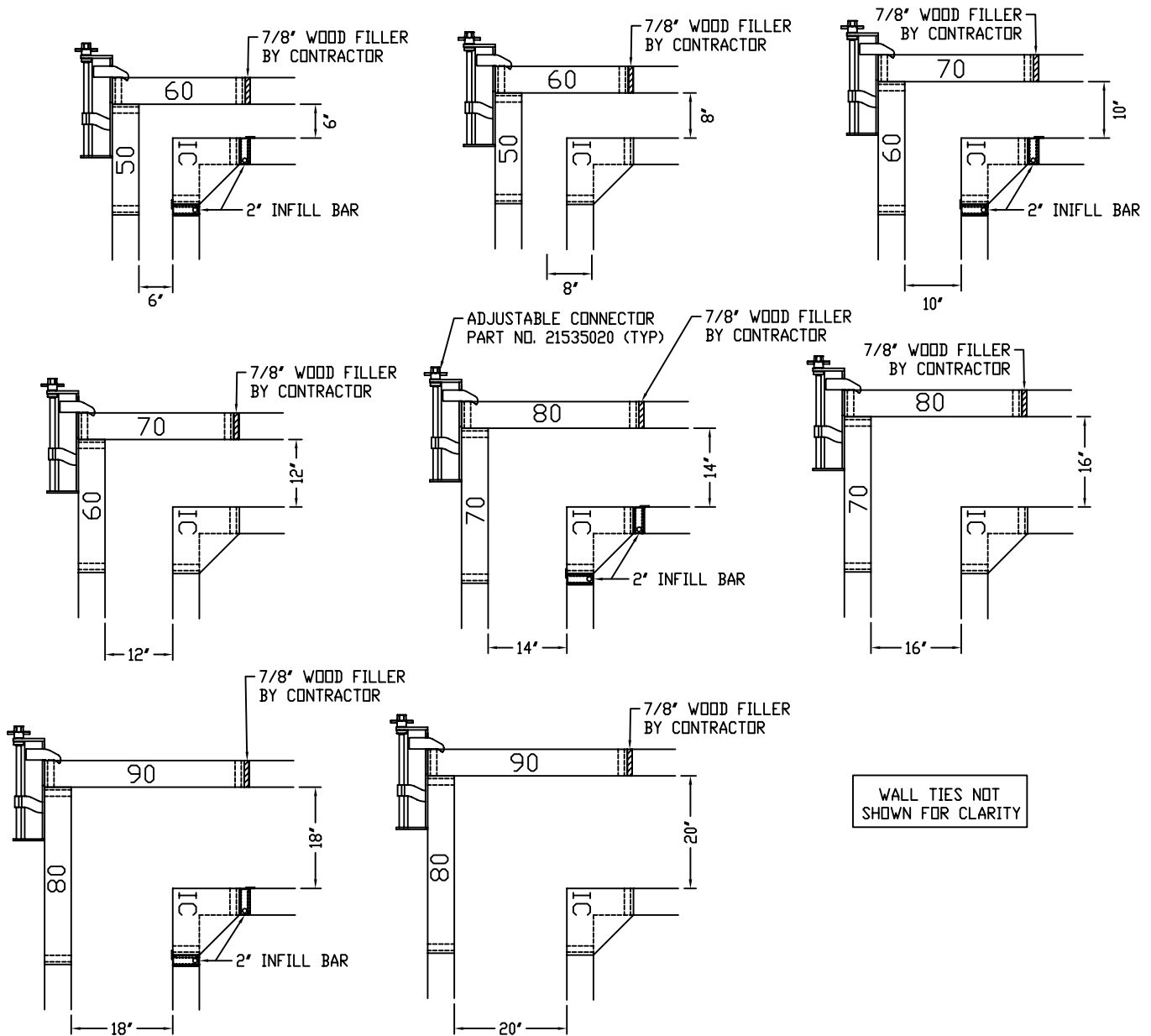
TYPICAL SCREW ALIGNER DETAIL



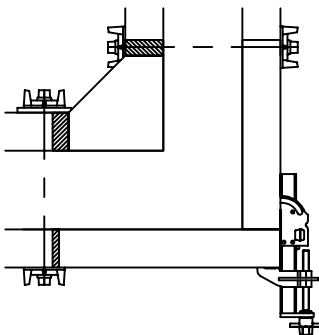
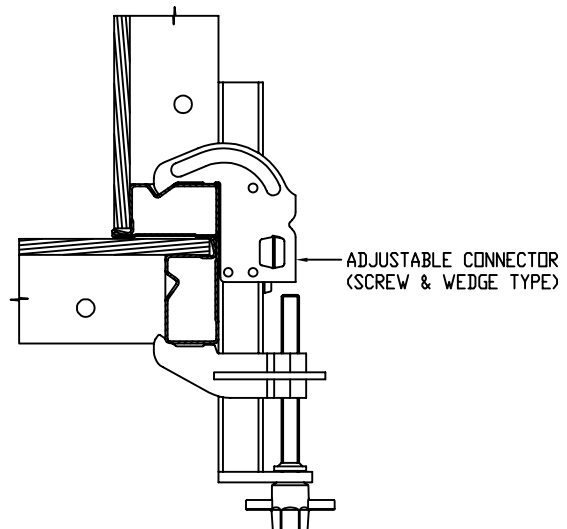
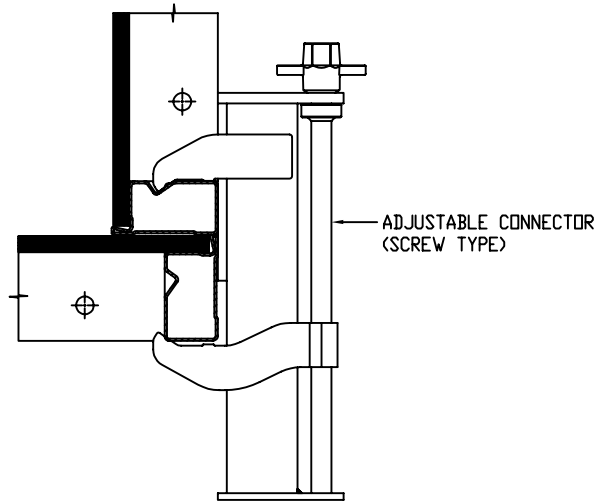
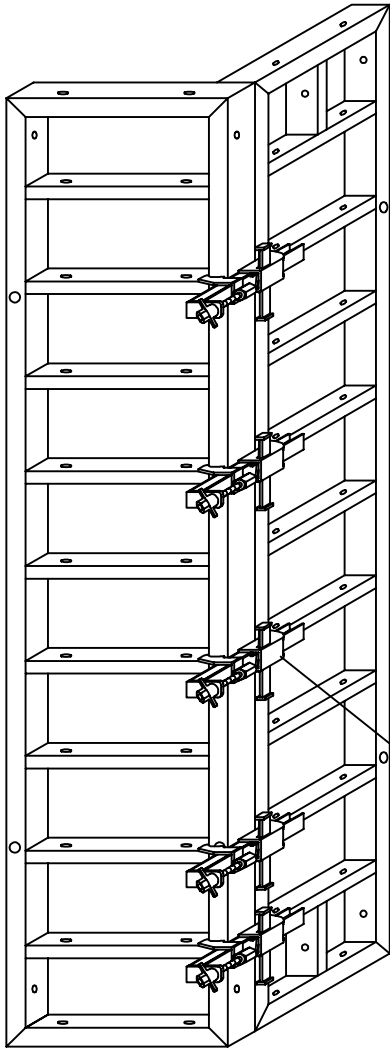
TYPICAL CORNER DETAILS WITH ADJUSTABLE CONNECTOR (SCREW & WEDGE TYPE)



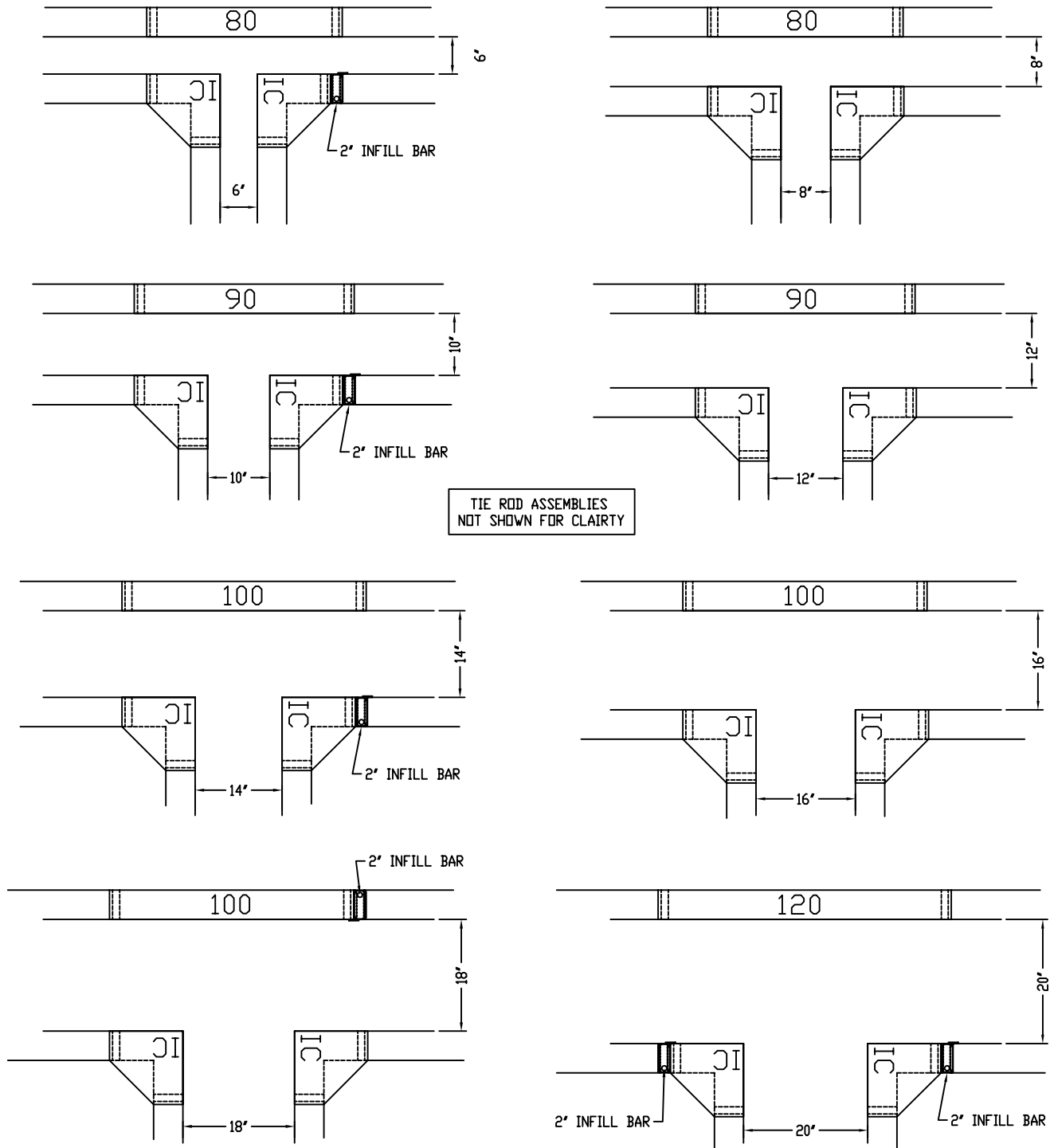
TYPICAL CORNER DETAILS WITH ADJUSTABLE CONNECTOR (SCREW TYPE)



OUTSIDE CORNER DETAIL w/ ADJUSTABLE CONNECTORS

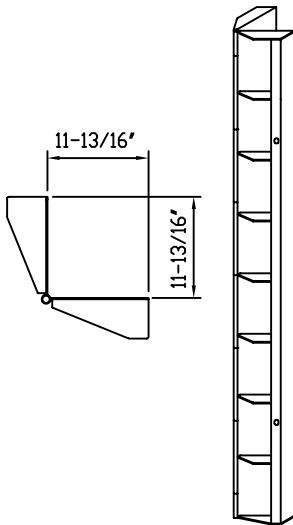


TYPICAL "T"-WALL DETAILS



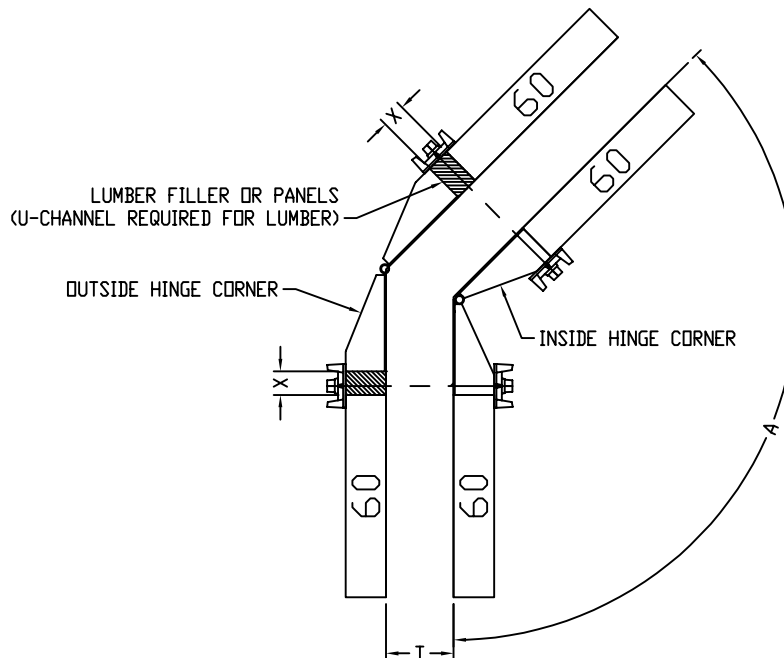
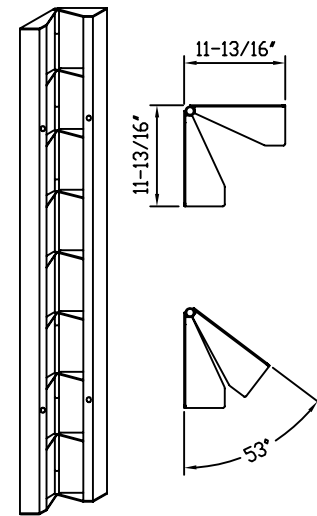
INSIDE AND OUTSIDE HINGE CORNER DETAILS

OUTSIDE HINGE CORNER

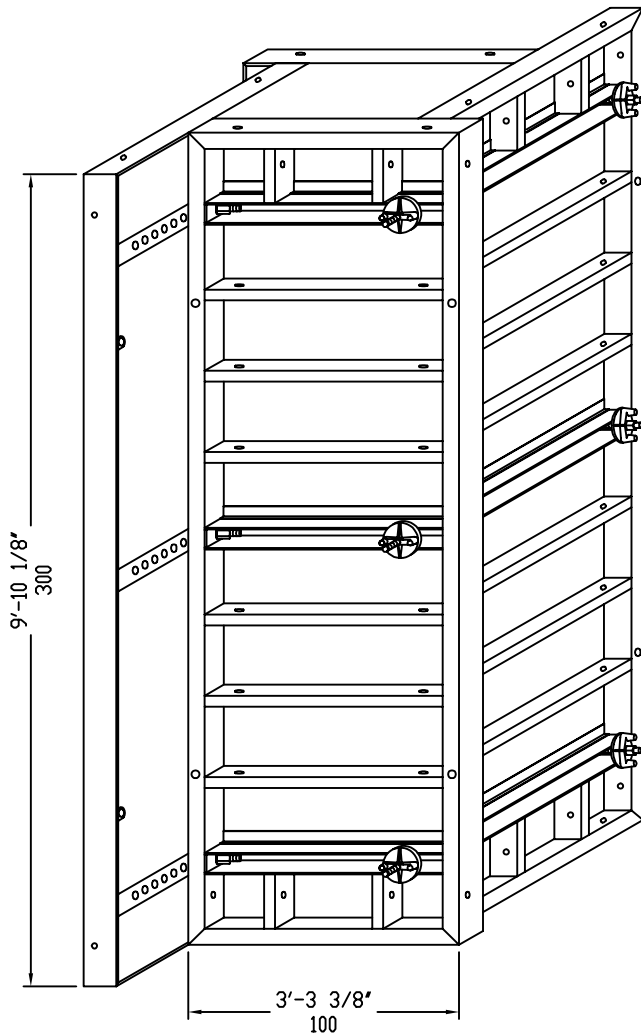


A T	60°	75°	90°	120°	135°	150°
4.00	7.44	5.16	4.00	1.94	1.16	.47
6.00	11.00	8.06	6.00	3.09	2.00	1.00
8.00	14.47	10.69	8.00	4.25	2.81	1.53
10.00	17.94	13.28	10.00	5.41	3.66	2.06
12.00	21.41	15.91	12.00	6.56	4.47	2.59
14.00	24.88	18.50	14.00	7.72	5.31	3.13
16.00	28.34	21.09	16.00	8.88	6.13	3.66
18.00	31.78	23.72	18.00	10.03	6.97	4.22
20.00	35.25	26.31	20.00	11.19	7.78	4.75

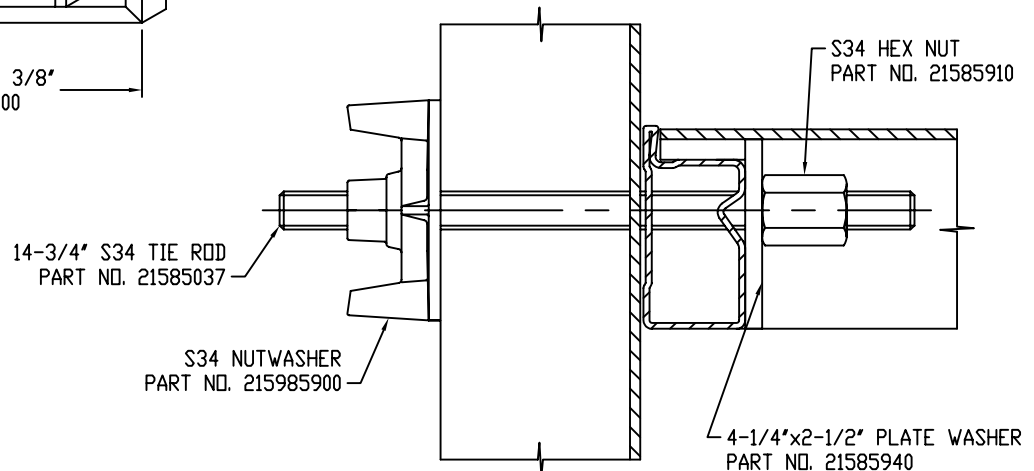
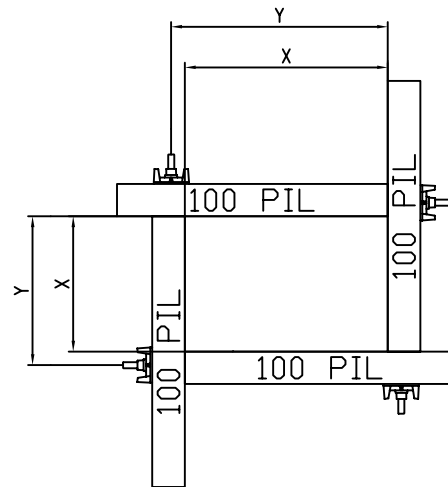
INSIDE HINGE CORNER



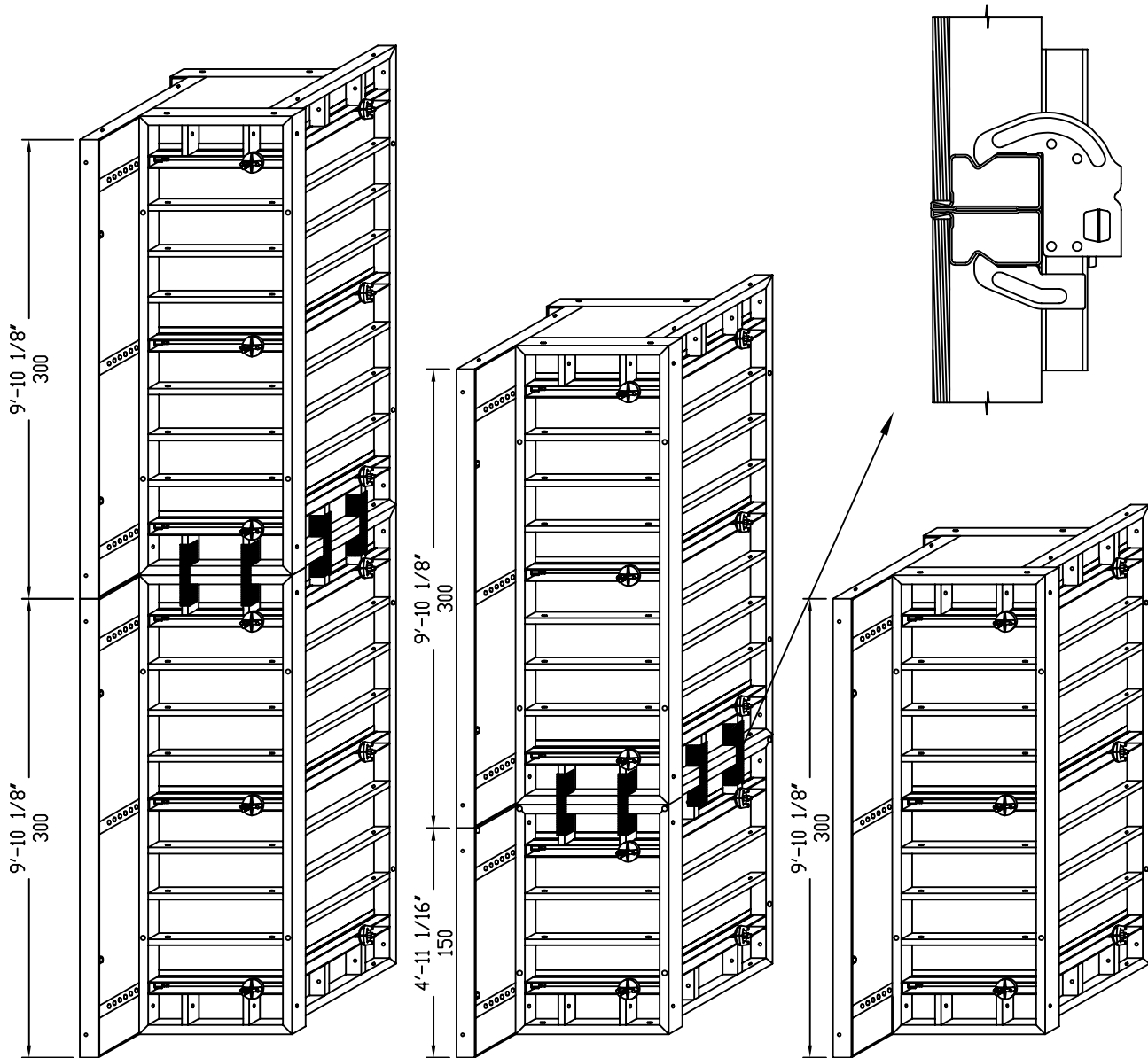
COLUMN FORMING w/ ADJUSTABLE PANELS



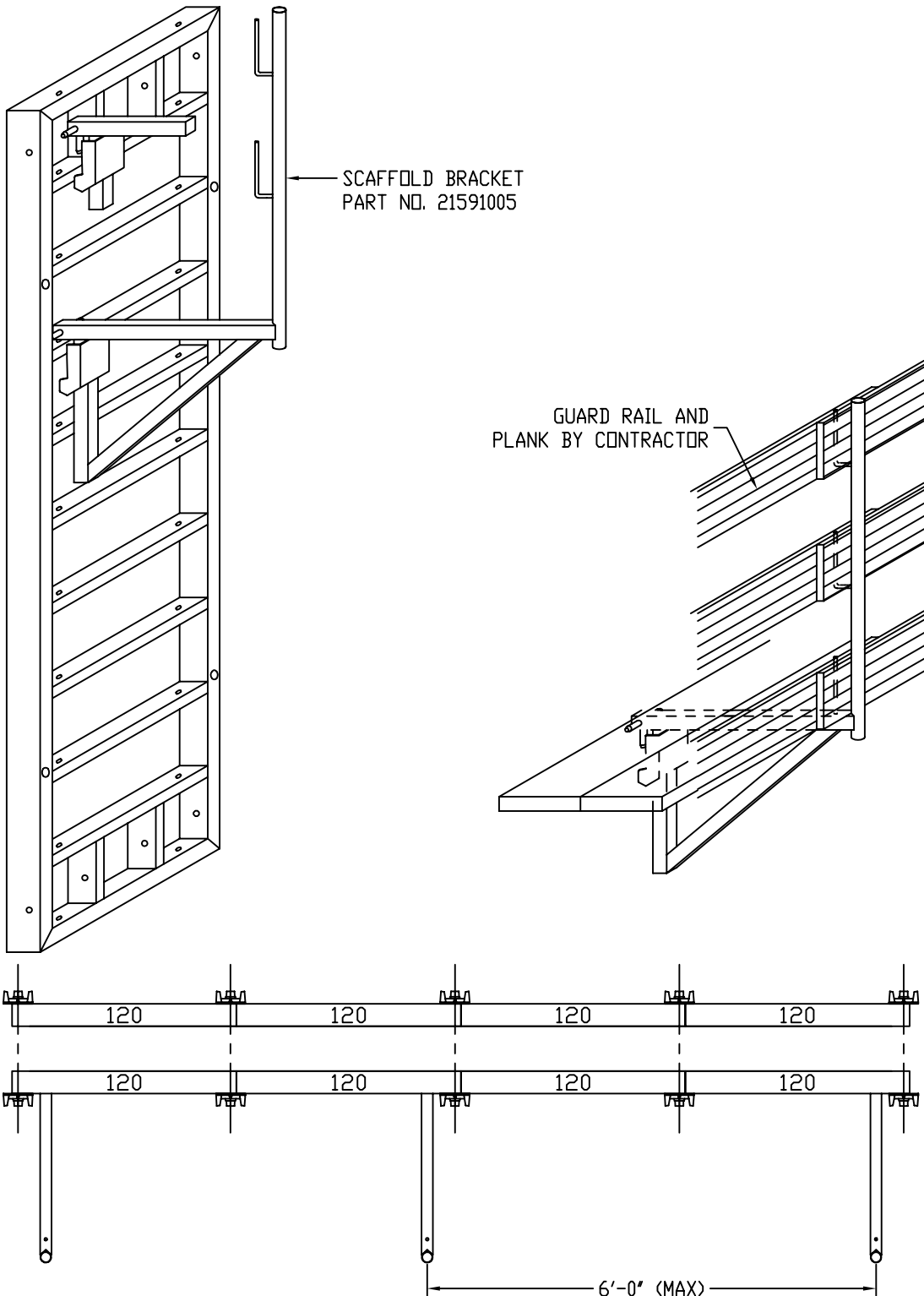
X	Y
7-7/8'	9-13/16'
9'-13/16'	11-13/16'
11-13/16'	13-3/4'
13-3/4'	15-3/4'
15-3/4'	17-11/16'
17-11/16'	19-11/16'
19-11/16'	21-5/8'
21-5/8'	23-5/8'
23-5/8'	25-9/16'
25-9/16'	27-9/16'
27-9/16'	29-1/2'
29-1/2'	31-1/2'
31-1/2'	33-7/16'
33-7/16'	35-7/16'



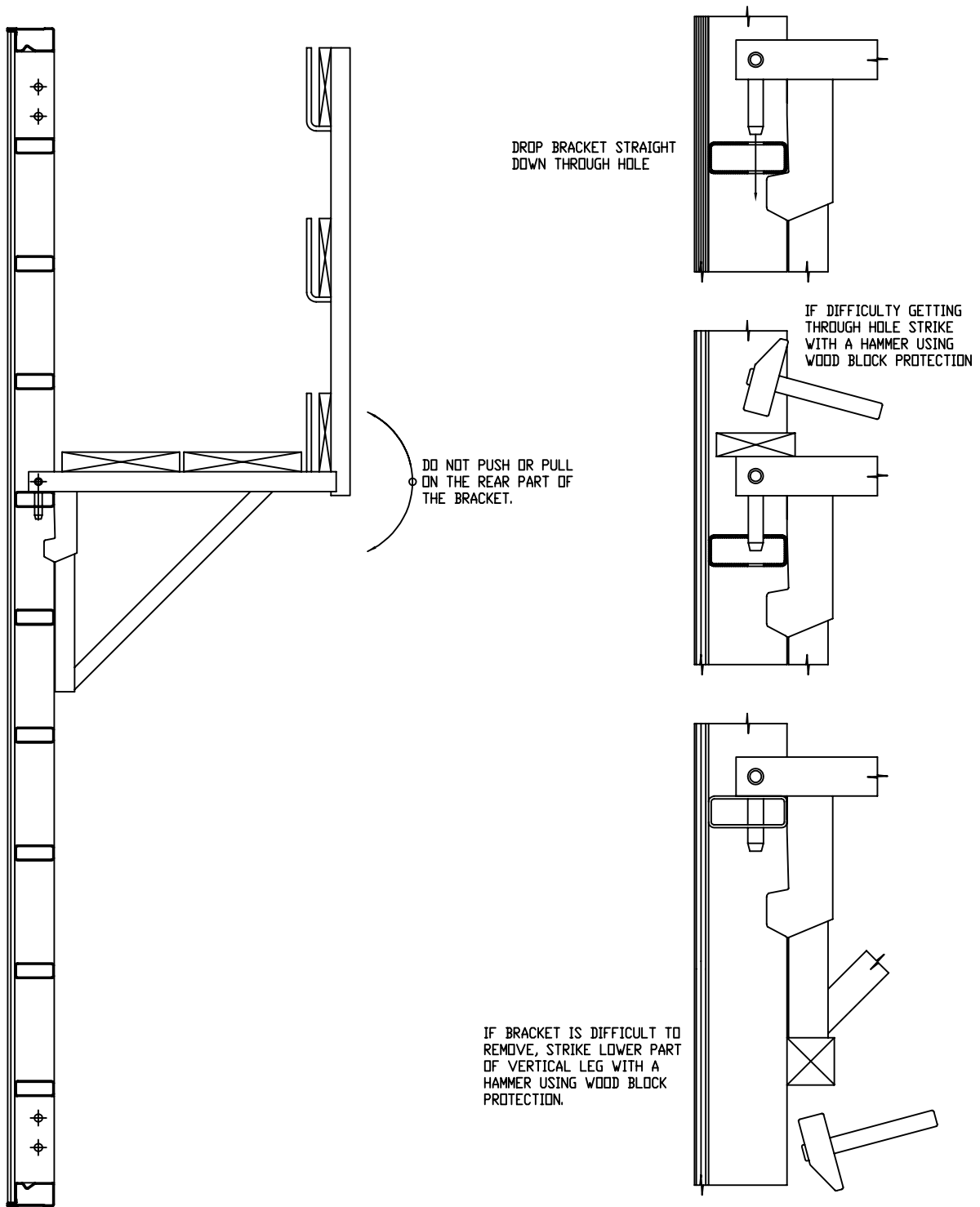
COLUMN FORMING w/ ADJUSTABLE PANELS



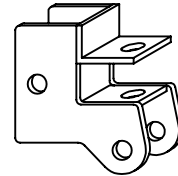
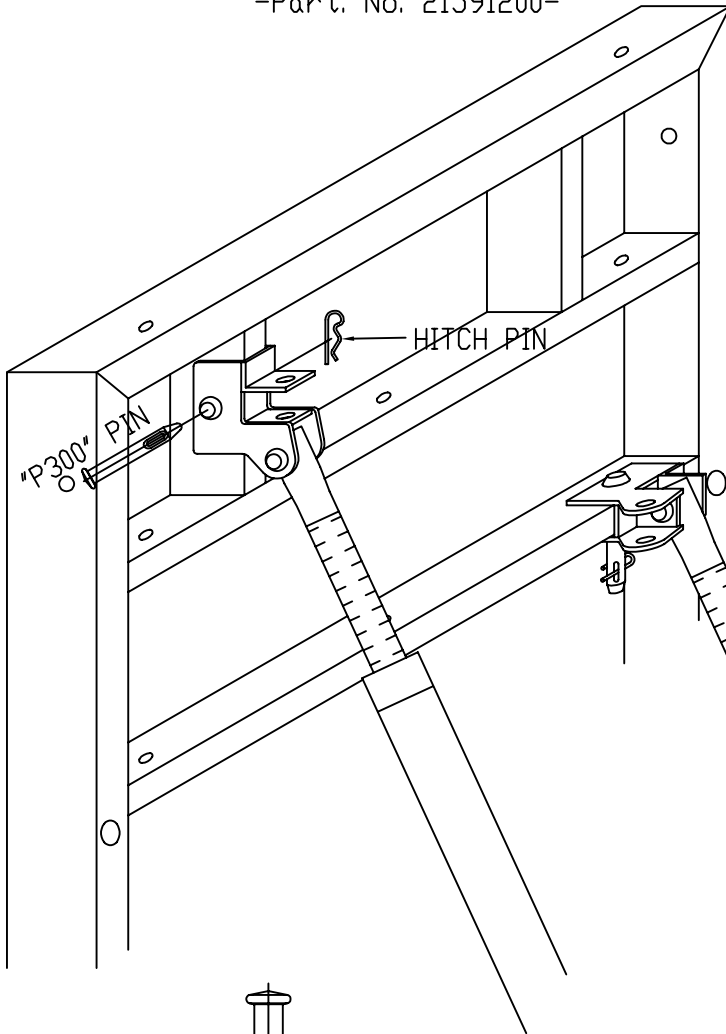
SCAFFOLD BRACKET



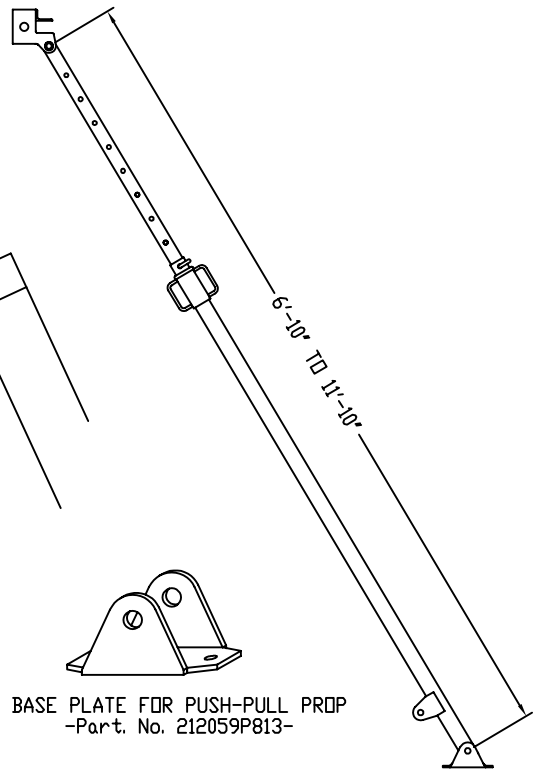
SCAFFOLD BRACKET ASSEMBLY AND DISASSEMBLY DETAILS



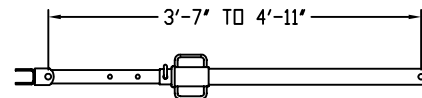
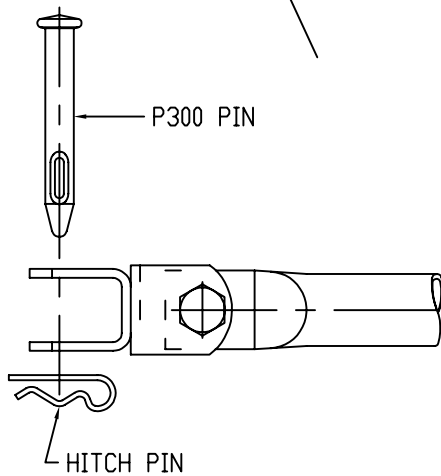
6'-10" TO 11'-10" PUSH-PULL PROP
-Part. No. 21591200-



HEAD CONNECTOR FOR PUSH-PULL PROP
-Part. No. 212059P731-

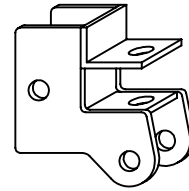
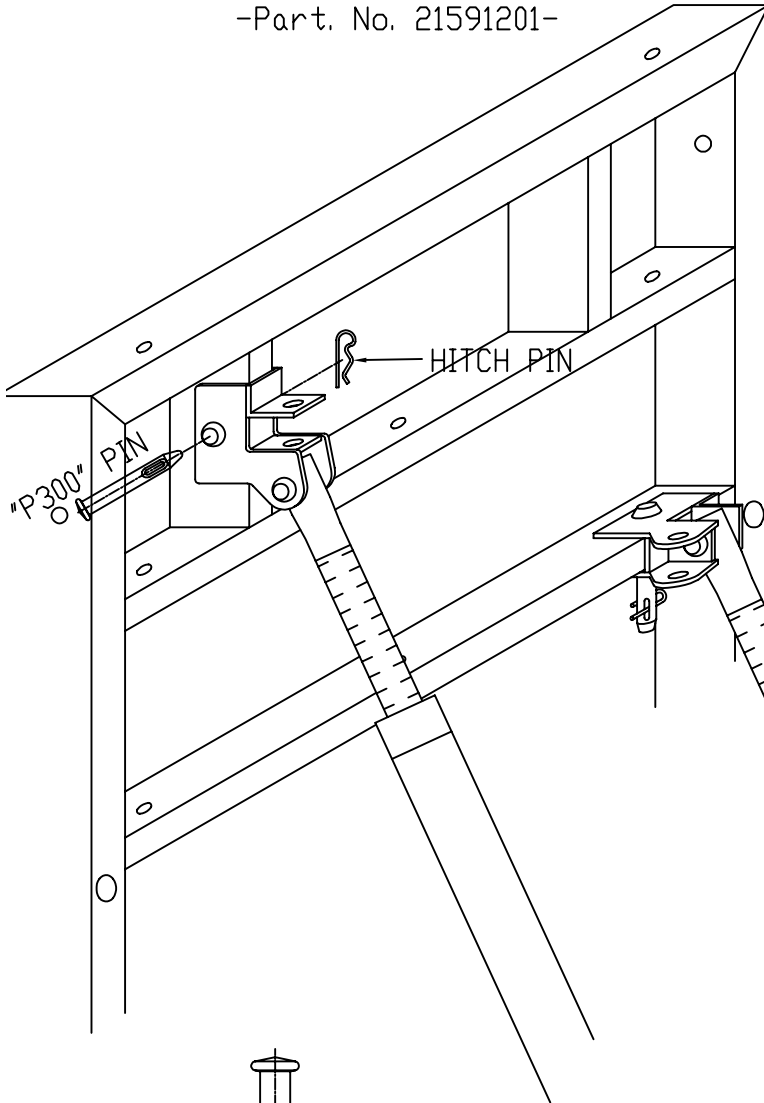


BASE PLATE FOR PUSH-PULL PROP
-Part. No. 212059P813-

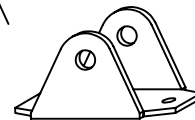
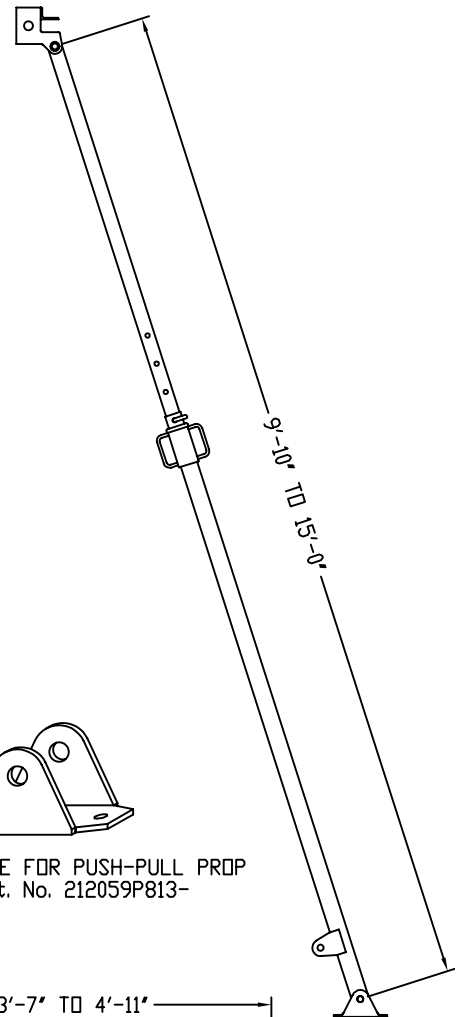


3'-7" TO 4'-11" ADJUSTABLE ARM
-Part. No. 21591205-

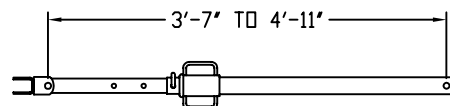
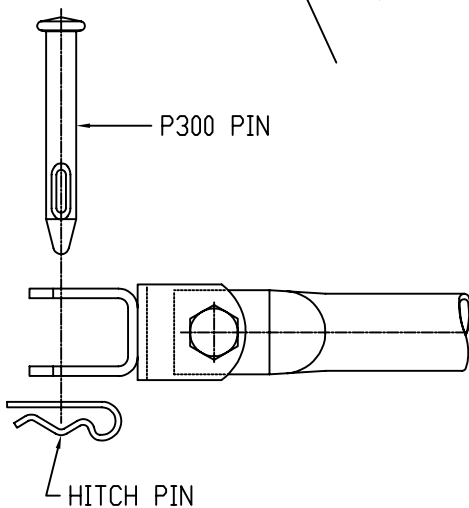
9'-10" TO 15'-0" PUSH-PULL PROP
-Part. No. 21591201-



HEAD CONNECTOR FOR PUSH-PULL PROP
-Part. No. 212059P731-

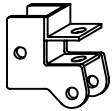


BASE PLATE FOR PUSH-PULL PROP
-Part. No. 212059P813-

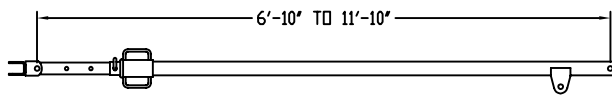
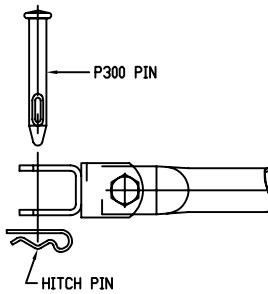
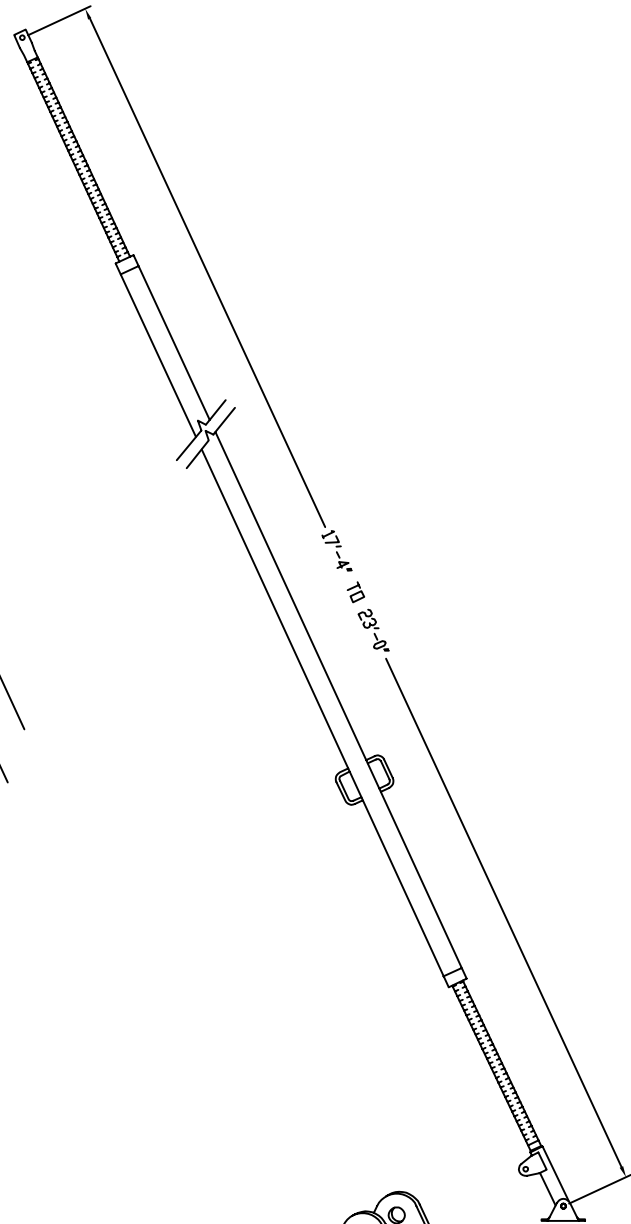
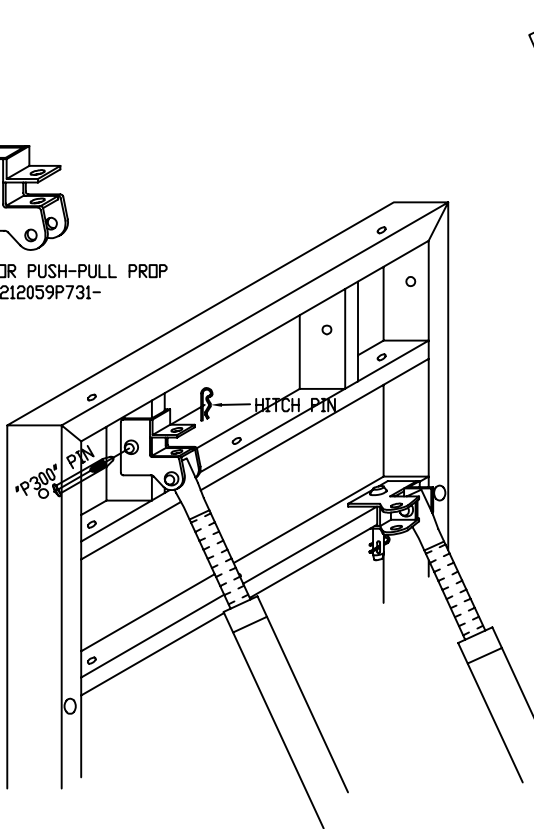


3'-7" TO 4'-11" ADJUSTABLE ARM
-Part. No. 21591205-

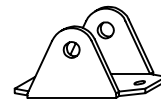
17'-4" TO 23'-0" PUSH-PULL PROP
-Part. No. 21591300-



HEAD CONNECTOR FOR PUSH-PULL PROP
-Part. No. 212059P731-

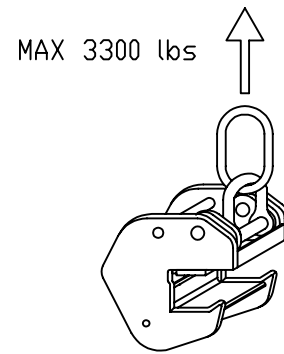
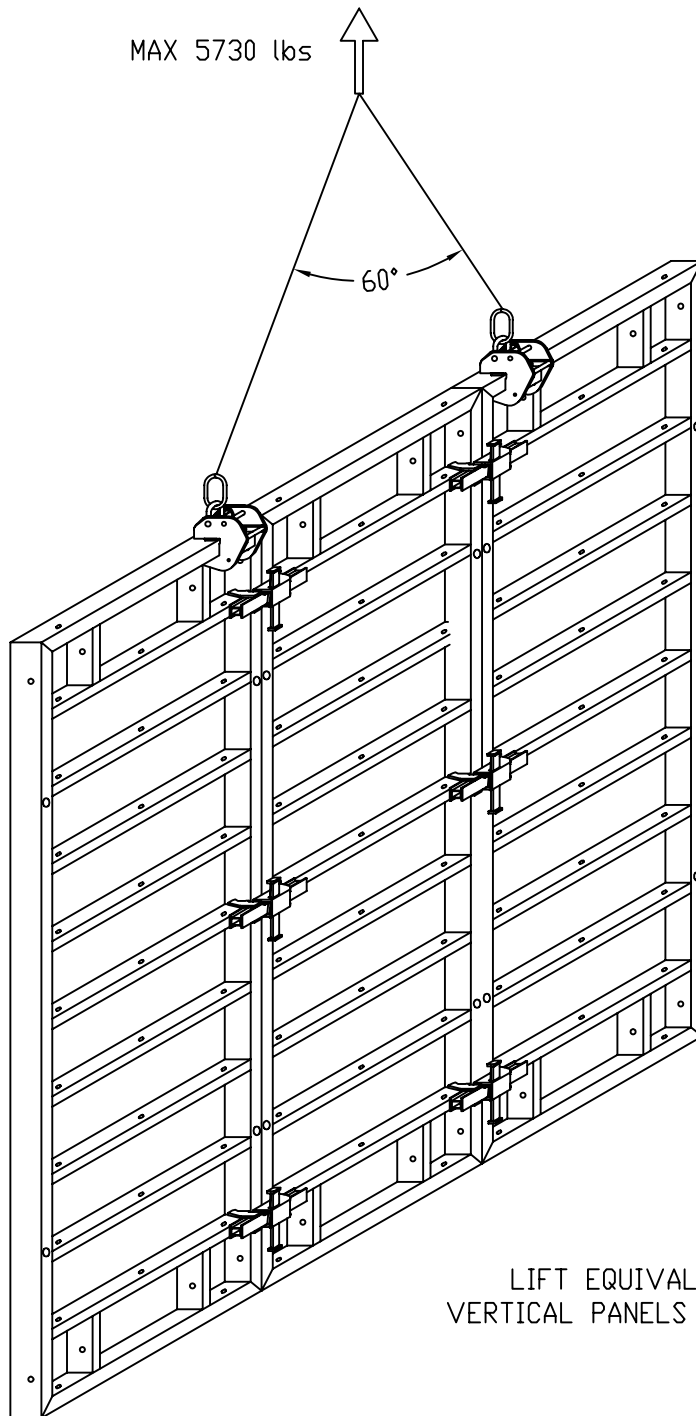


6'-10" TO 11'-10" ADJUSTABLE ARM
-Part. No. 21591305-



BASE PLATE FOR PUSH-PULL PROP
-Part. No. 212059P813-

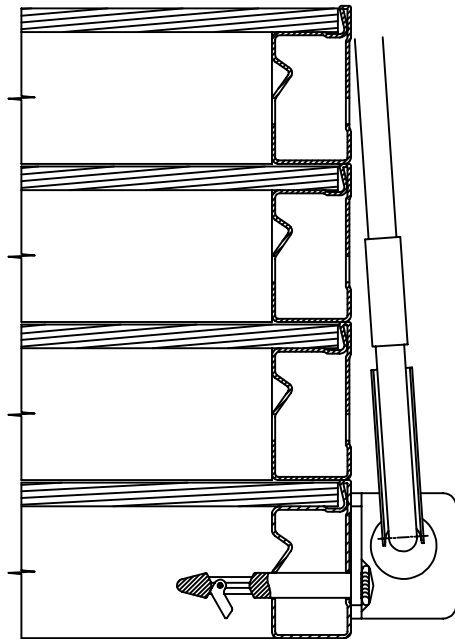
CRANE HOOK
PART NO. 21537101



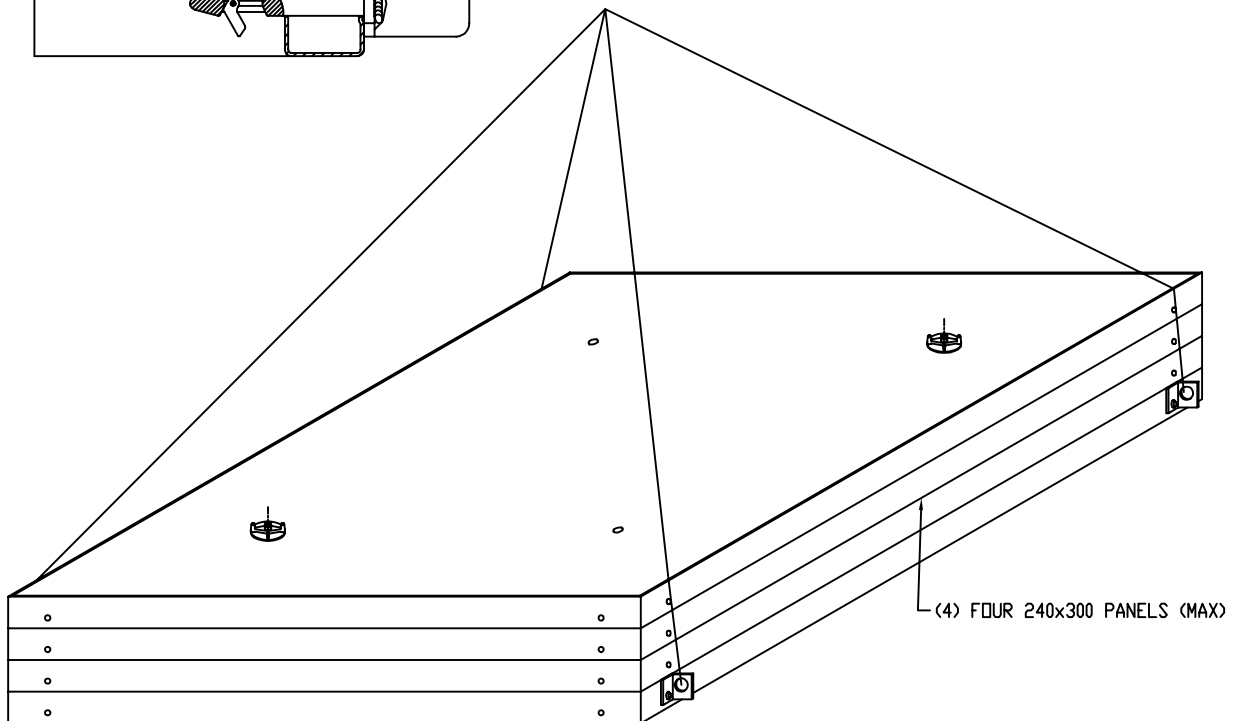
LIFT EQUIVALENT OF TWO
VERTICAL PANELS AT A TIME (MAX)

LIFTING PIN
PART NO, 21537095

STACK PANELS PLYWOOD FACE UP
TO AVOID BUILD-UP OF WATER

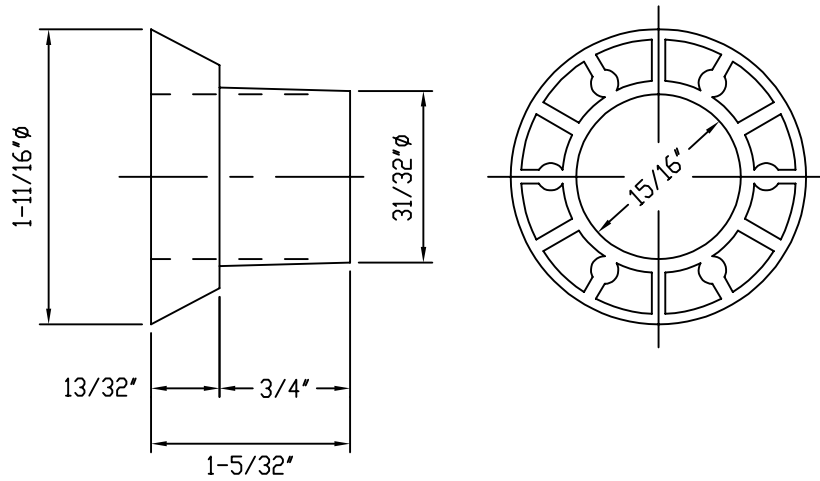


MAX 3750 lbs

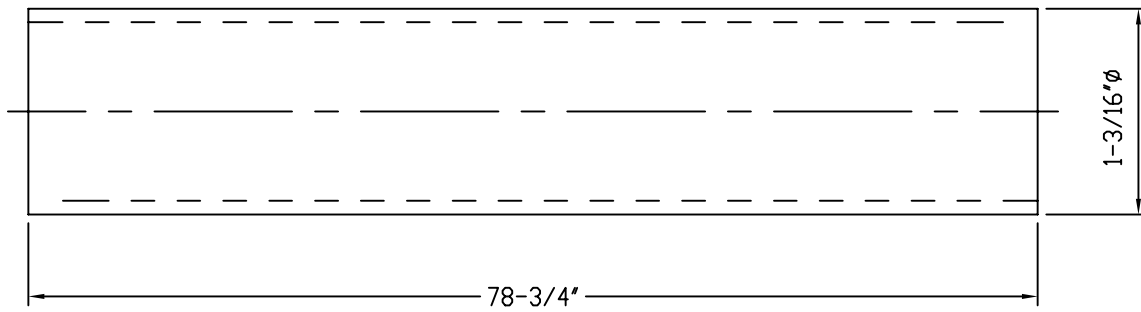


THE PANELS MUST BE BLOCKED USING TIE RODS
OR SECURED WITH HD BANDING MATERIAL

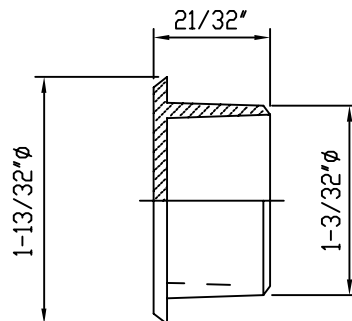
PLASTIC CONE FOR SPACER TUBE
PART NO. 21584105



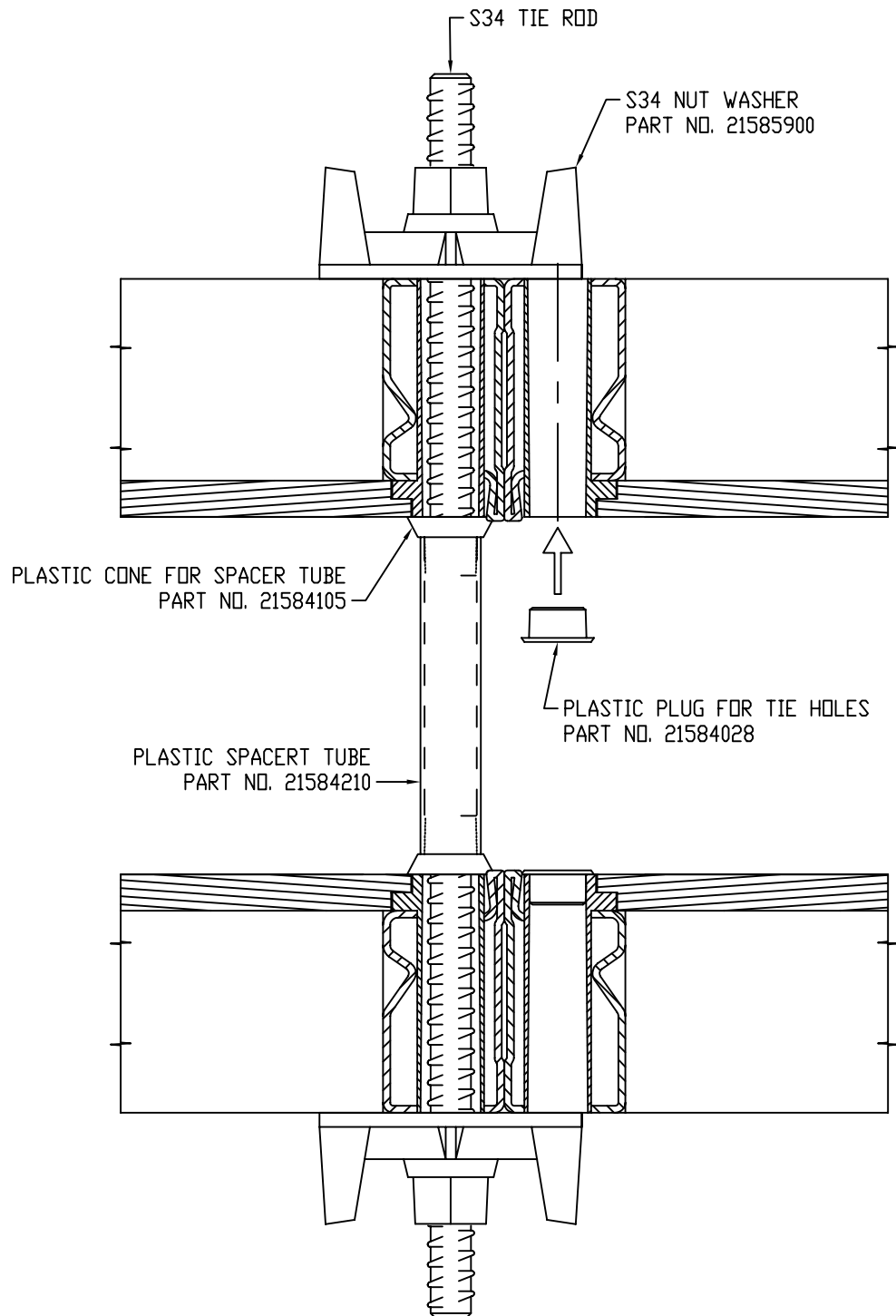
PLASTIC SPACER TUBE
PART NO. 21584210



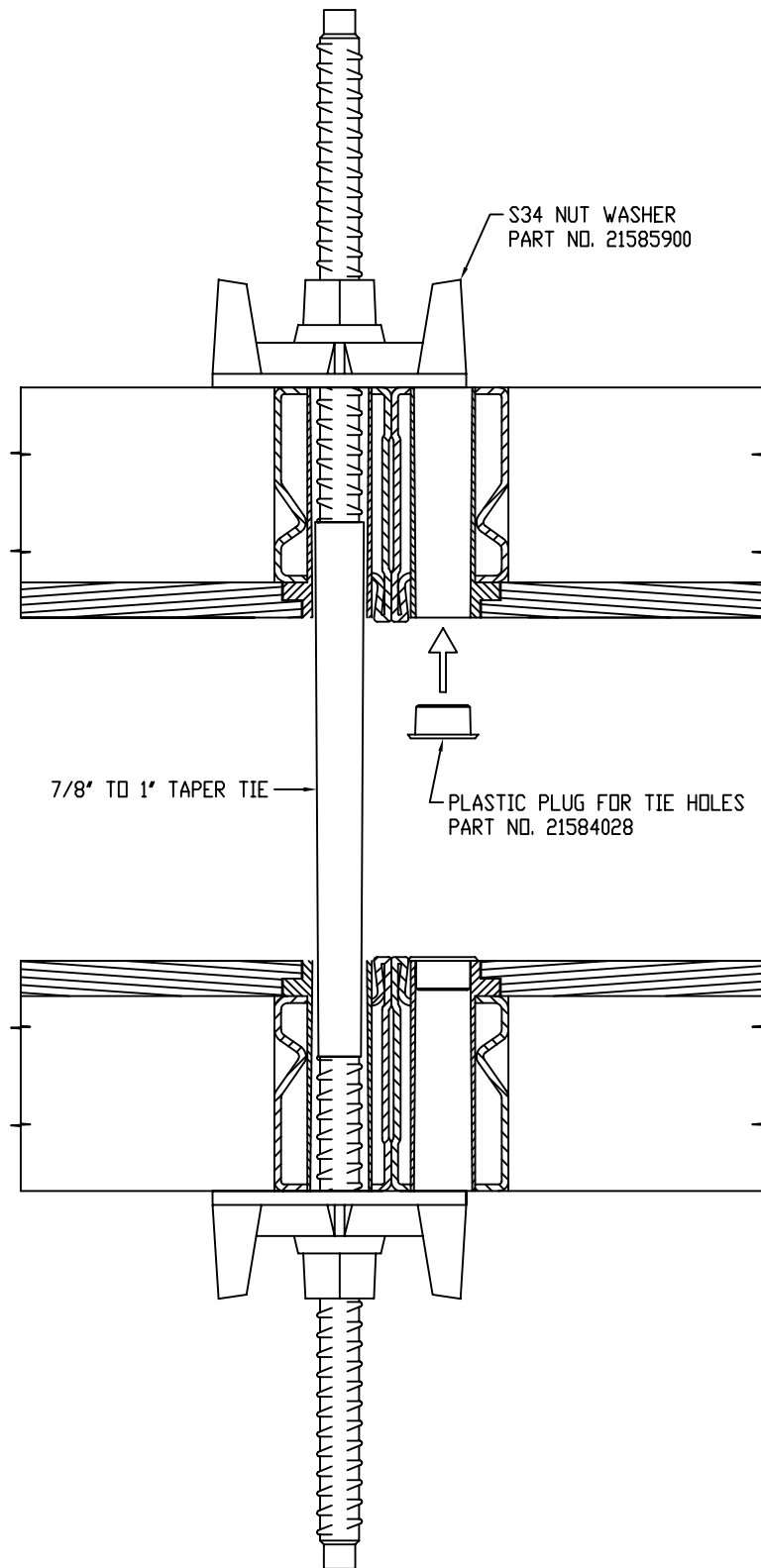
$\frac{15}{16}"$ PLASTIC PLUG
PART NO. 21584028



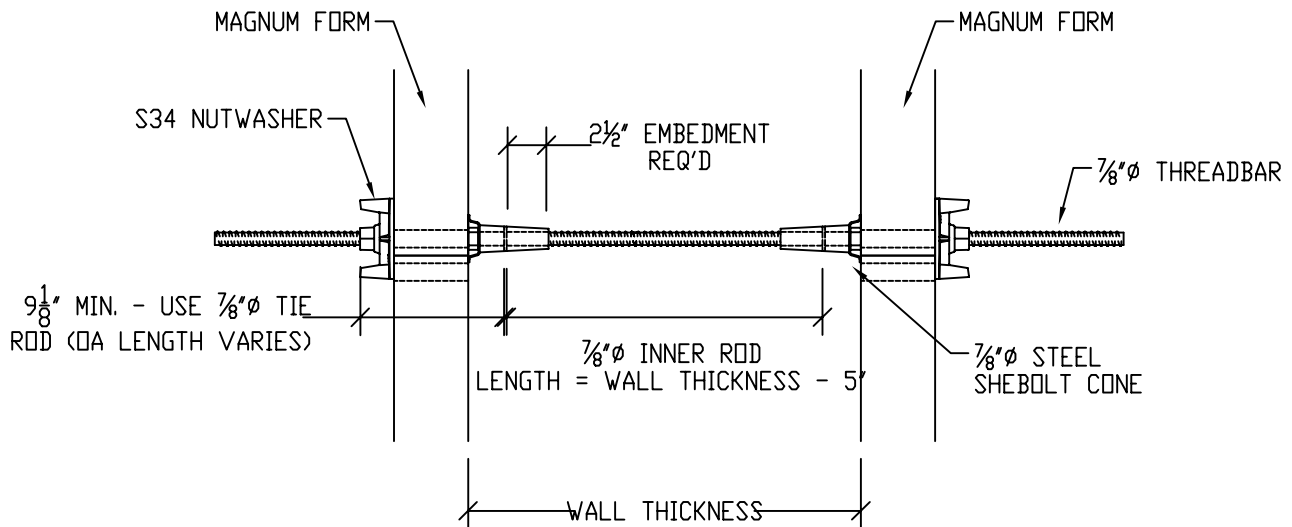
TYPICAL TIE ROD DETAIL



TYPICAL TAPER TIE DETAIL

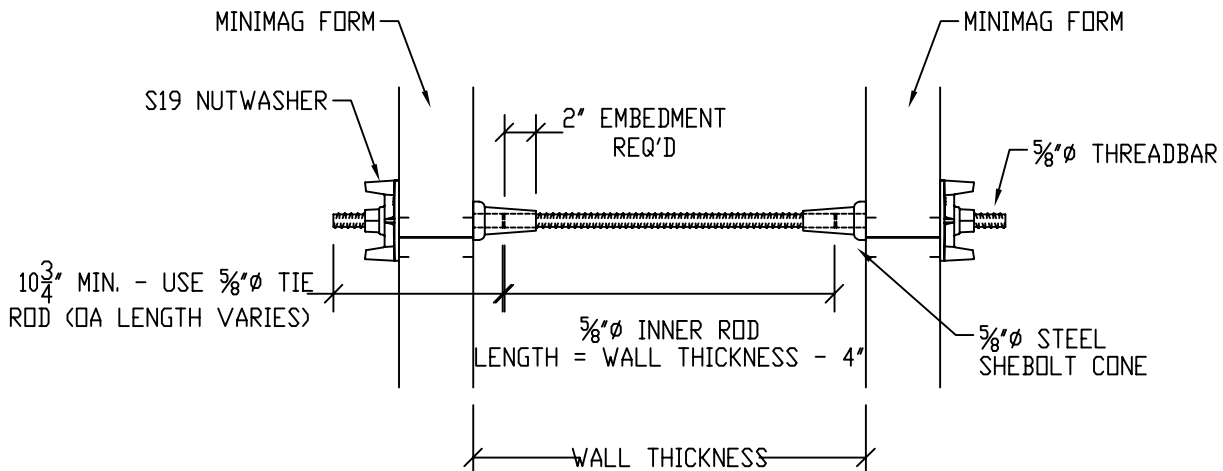


TYPICAL SHE-BOLT & STEEL CONE DETAIL



MAGNUM STEEL SHEBOLT CONE DETAIL

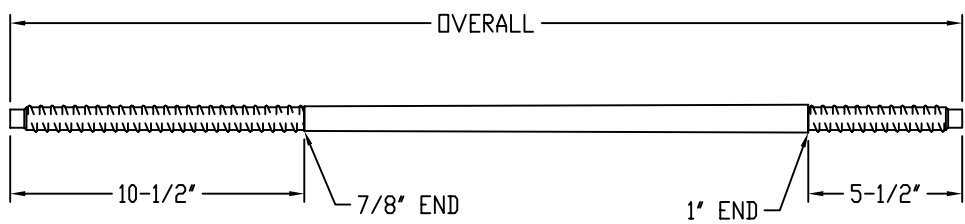
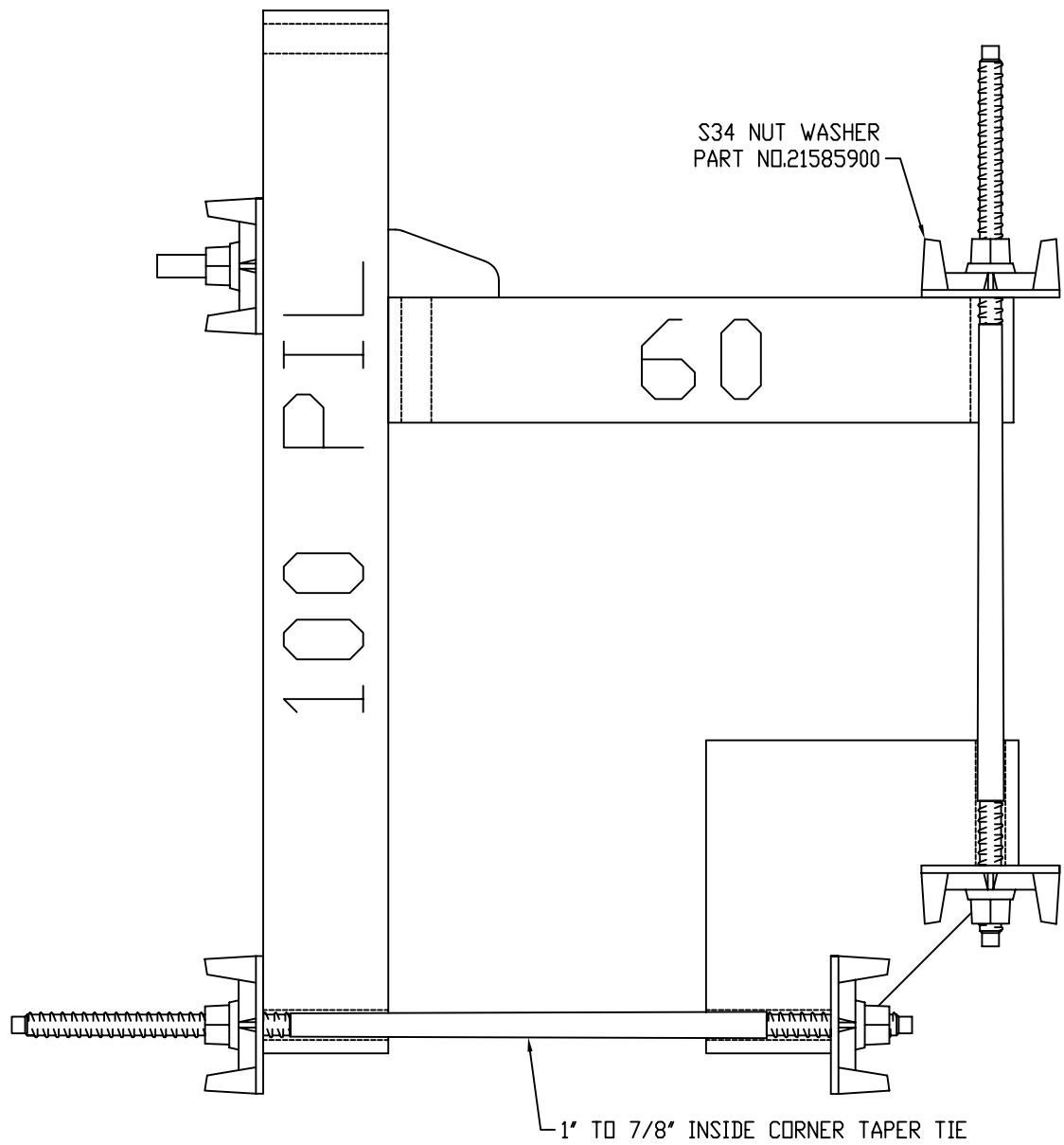
S.W.L. = 38,000lbs.

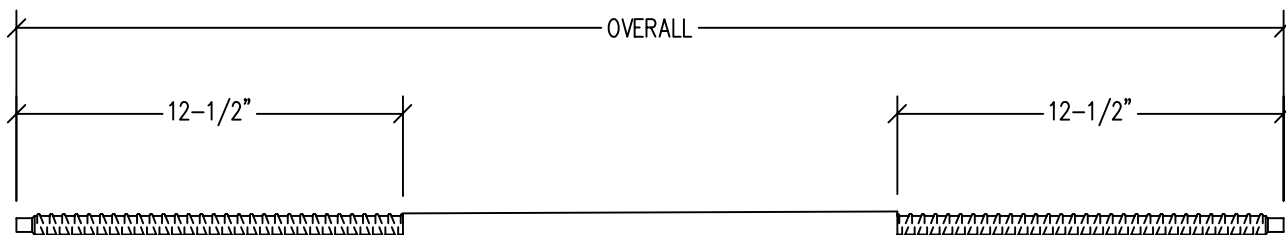


MINIMAG STEEL SHEBOLT CONE DETAIL

S.W.L. = 21,000lbs.

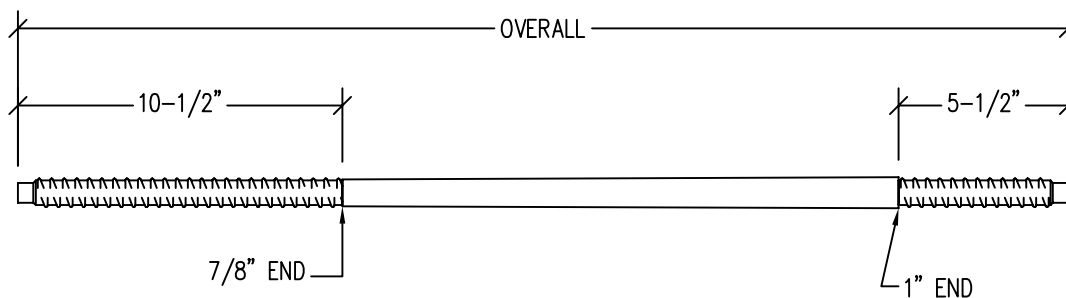
INSIDE CORNER TAPER TIE DETAIL





1" TO 7/8" TAPER TIE, 7/8" ENDS
 S.W.L. = 32,500 LBS
 2:1 SAFETY FACTOR

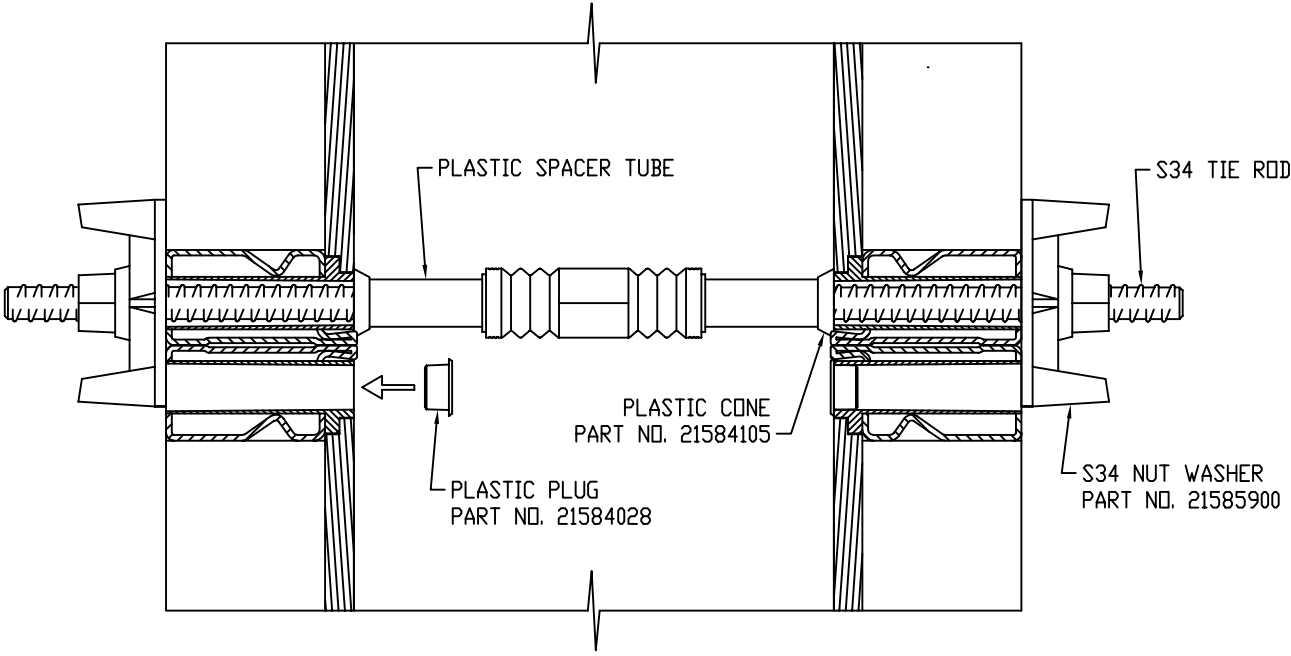
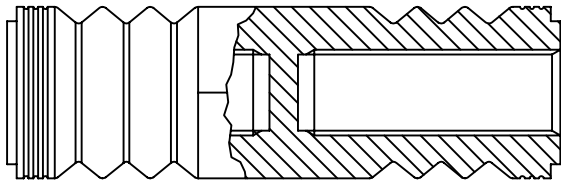
PART NO. 1172308 – 1" TO 7/8" x 37" (8" TO 15" WALL)
 PART NO. 1172304 – 1" TO 7/8" x 45" (16" TO 23" WALL)
 PART NO. 1172325 – 1" TO 7/8" x 53" (24" TO 31" WALL)
 PART NO. 1172310 – 1" TO 7/8" x 61" (32" TO 39" WALL)



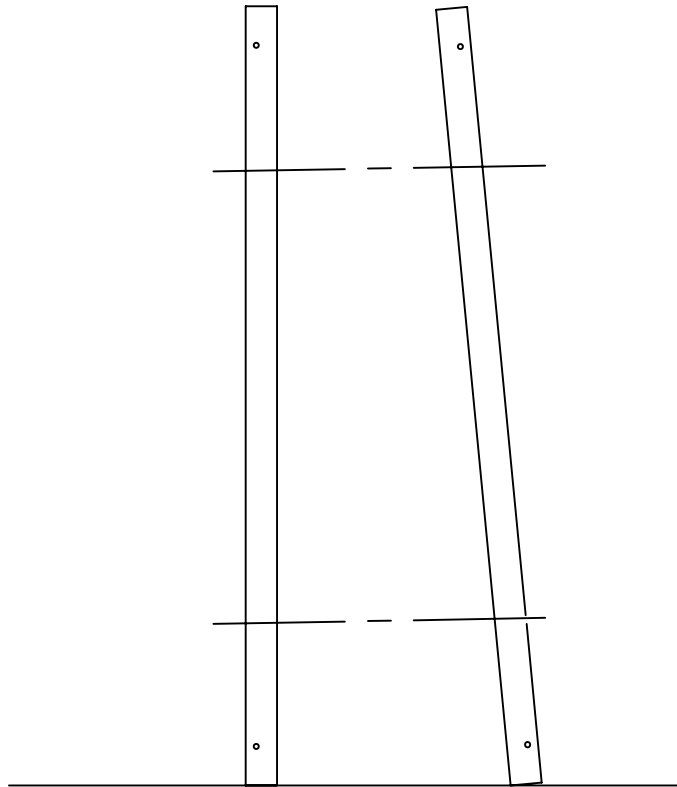
1" TO 7/8" INSIDE CORNER TAPER TIE, 7/8" ENDS
 S.W.L. = 32,500 LBS
 2:1 SAFETY FACTOR

PART NO. 1172350 – 1" TO 7/8" x 28" (4" TO 9" WALL)
 PART NO. 1172330 – 1" TO 7/8" x 34" (10" TO 15" WALL)
 PART NO. 1172339 – 1" TO 7/8" x 40" (16" TO 21" WALL)
 PART NO. 1172345 – 1" TO 7/8" x 46" (22" TO 27" WALL)
 PART NO. 1172331 – 1" TO 7/8" x 52" (28" TO 33" WALL)
 PART NO. 1172349 – 1" TO 7/8" x 58" (34" TO 39" WALL)
 PART NO. 1172346 – 1" TO 7/8" x 64" (40" TO 45" WALL)

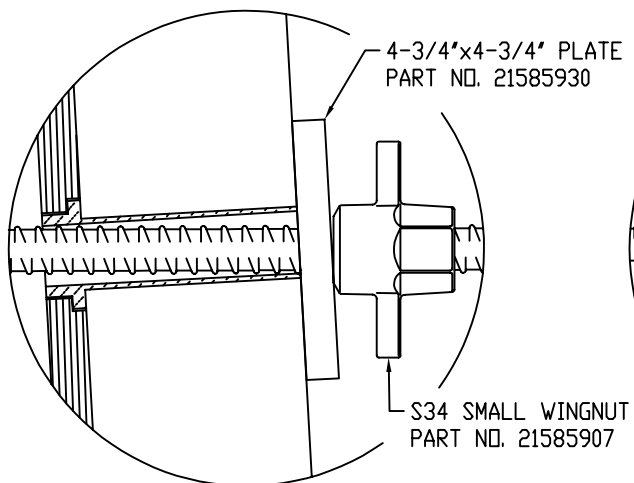
S34 WATER-STOP
SPECIAL ORDER ON REQUEST ONLY



BATTER WALL FORMING

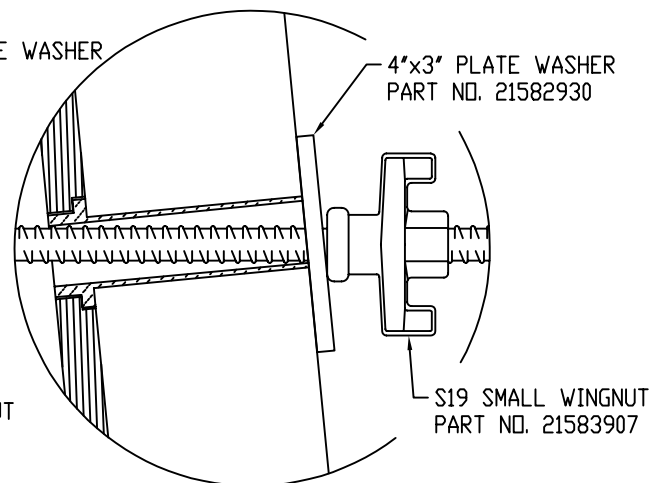


WITH S34 TIE-ROD



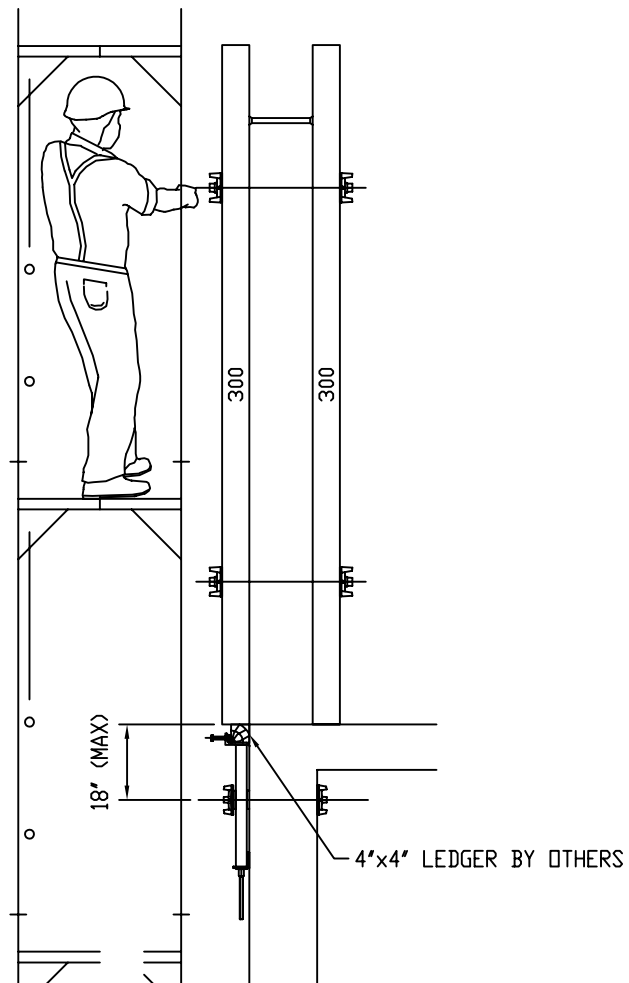
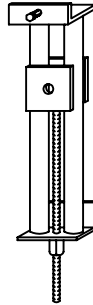
MAX. ANGLE = 86.5°
(3/4"/ft.)

WITH S19 TIE-ROD

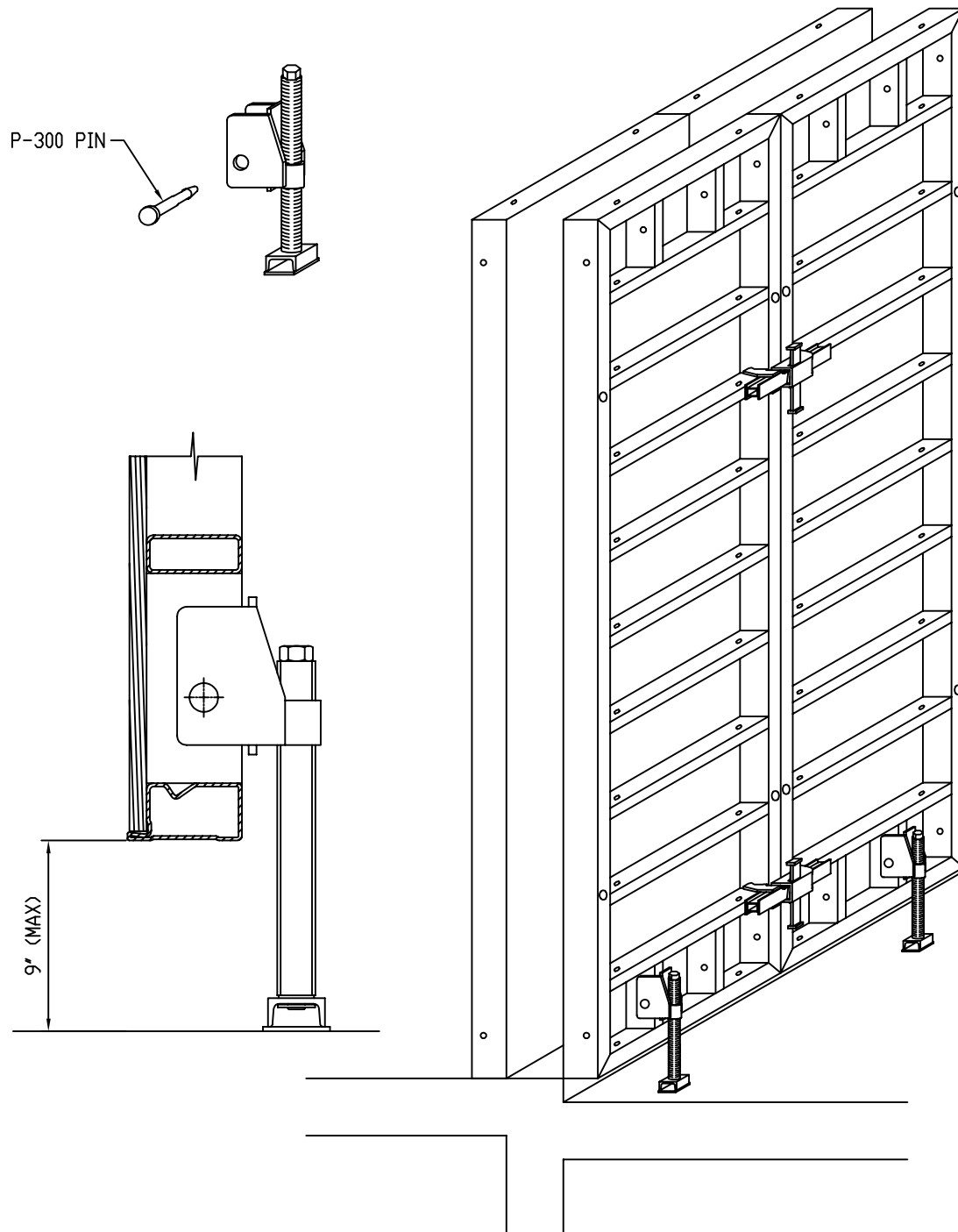


MAX. ANGLE = 84.5°
(1-1/8"/ft.)

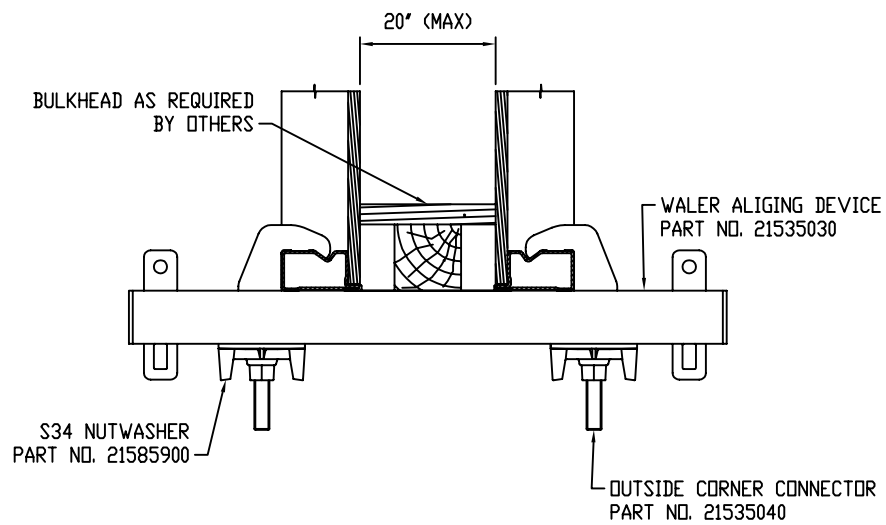
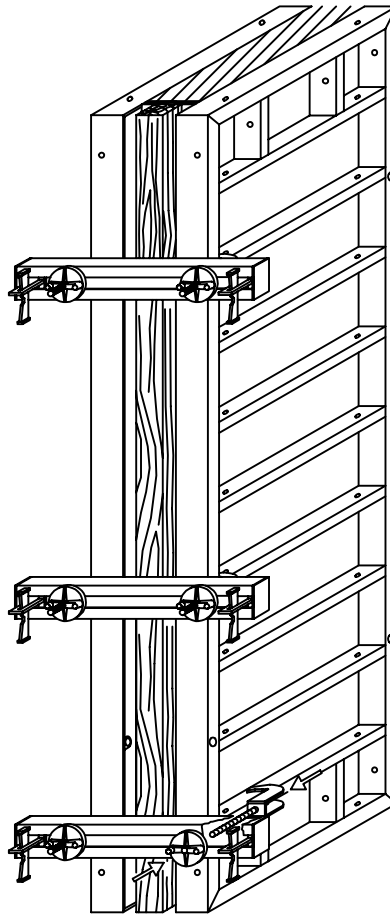
ADJUSTABLE SHEAR WALL BRACKET
PART NO. 21598000



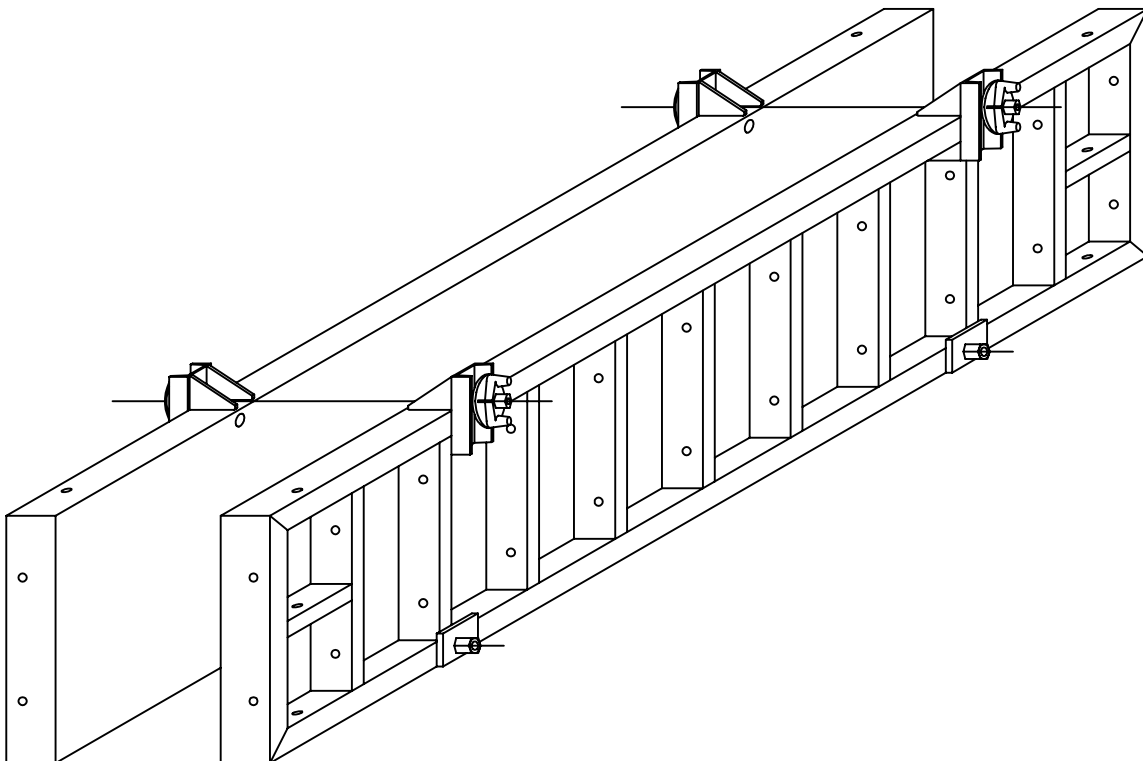
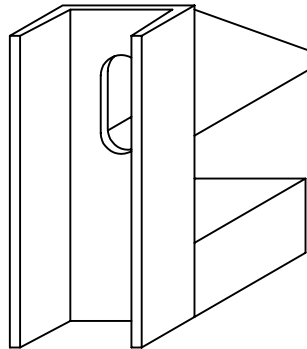
ADJUSTABLE BASE JACK
PART NO. 21557010



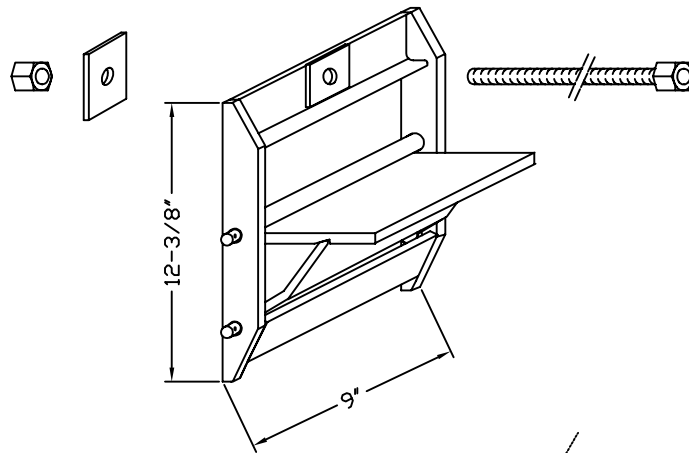
BULKHEAD DETAIL USING WALER ALIGNING DEVICE
PART NO. 21535030



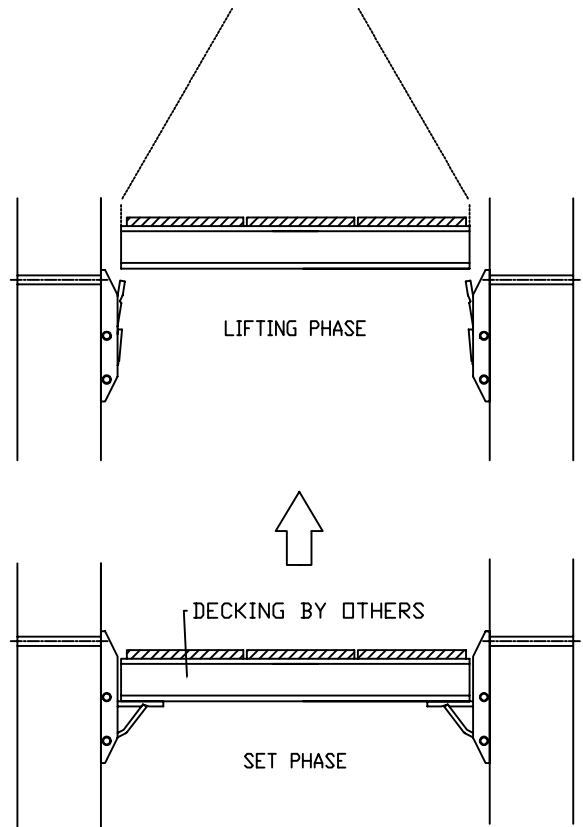
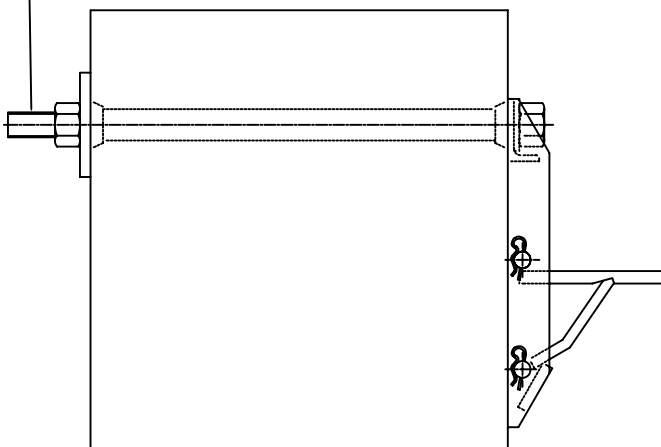
DRY TIE BRACKET
PART NO. 21537020



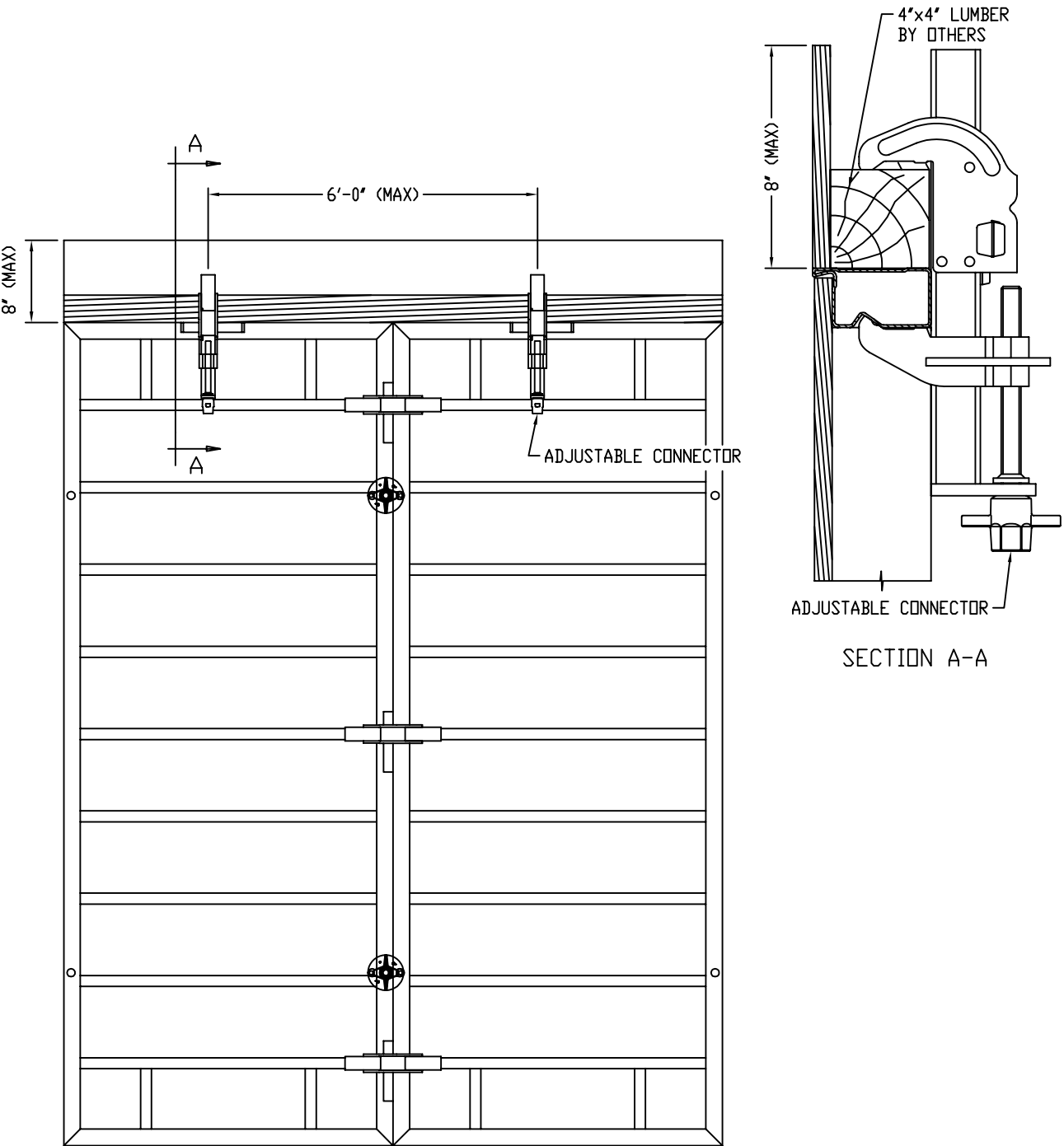
SUPPORT BRACKET FOR PLATFORMS -Part. No. 21598100-



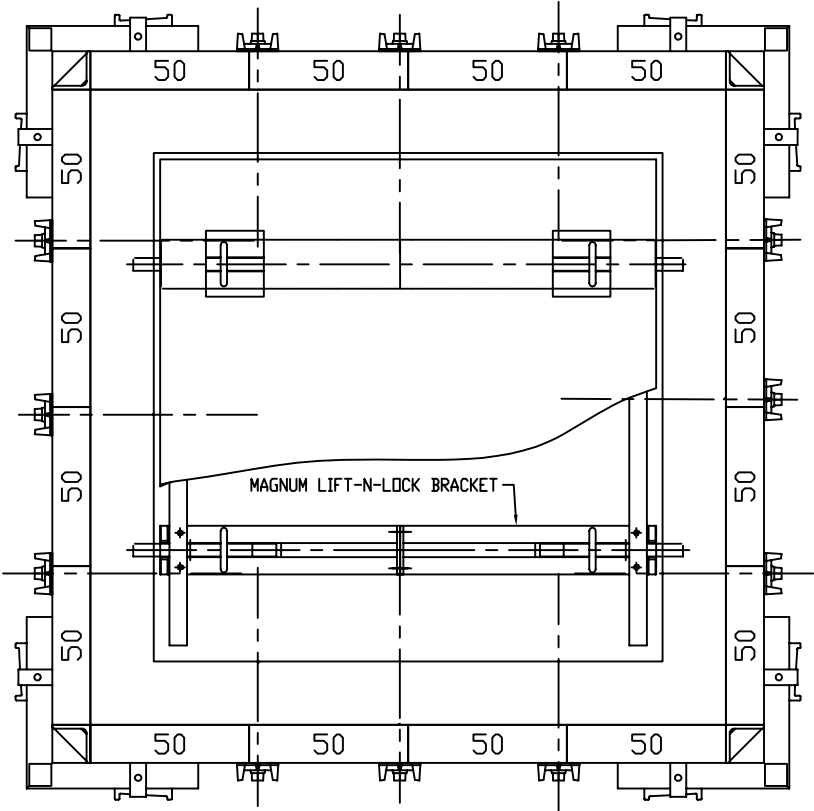
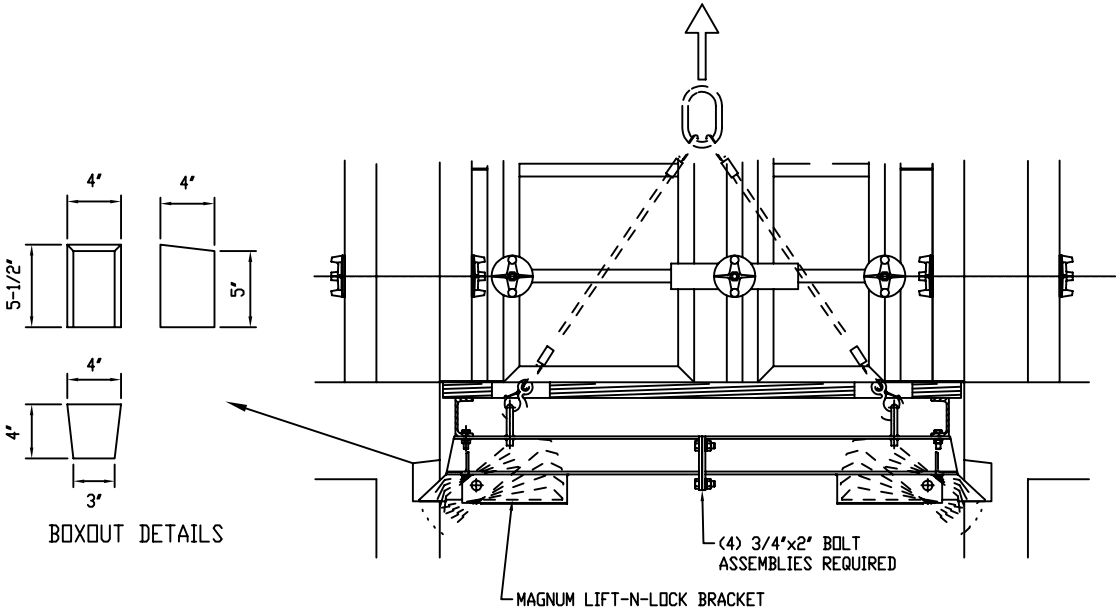
7/8" TIE ROD THRU
EXISTING TIE HOLES



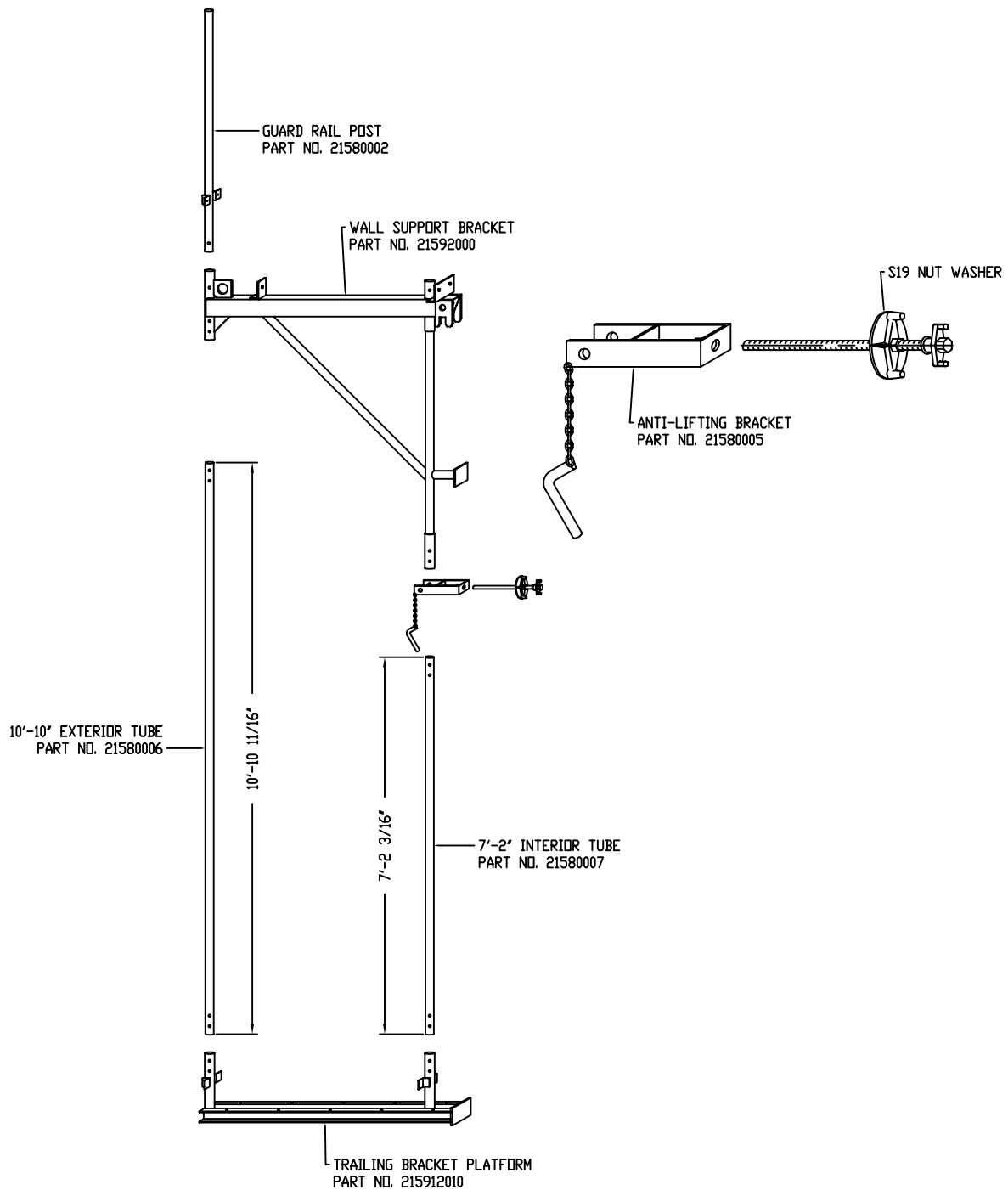
FORM EXTENSION DETAIL



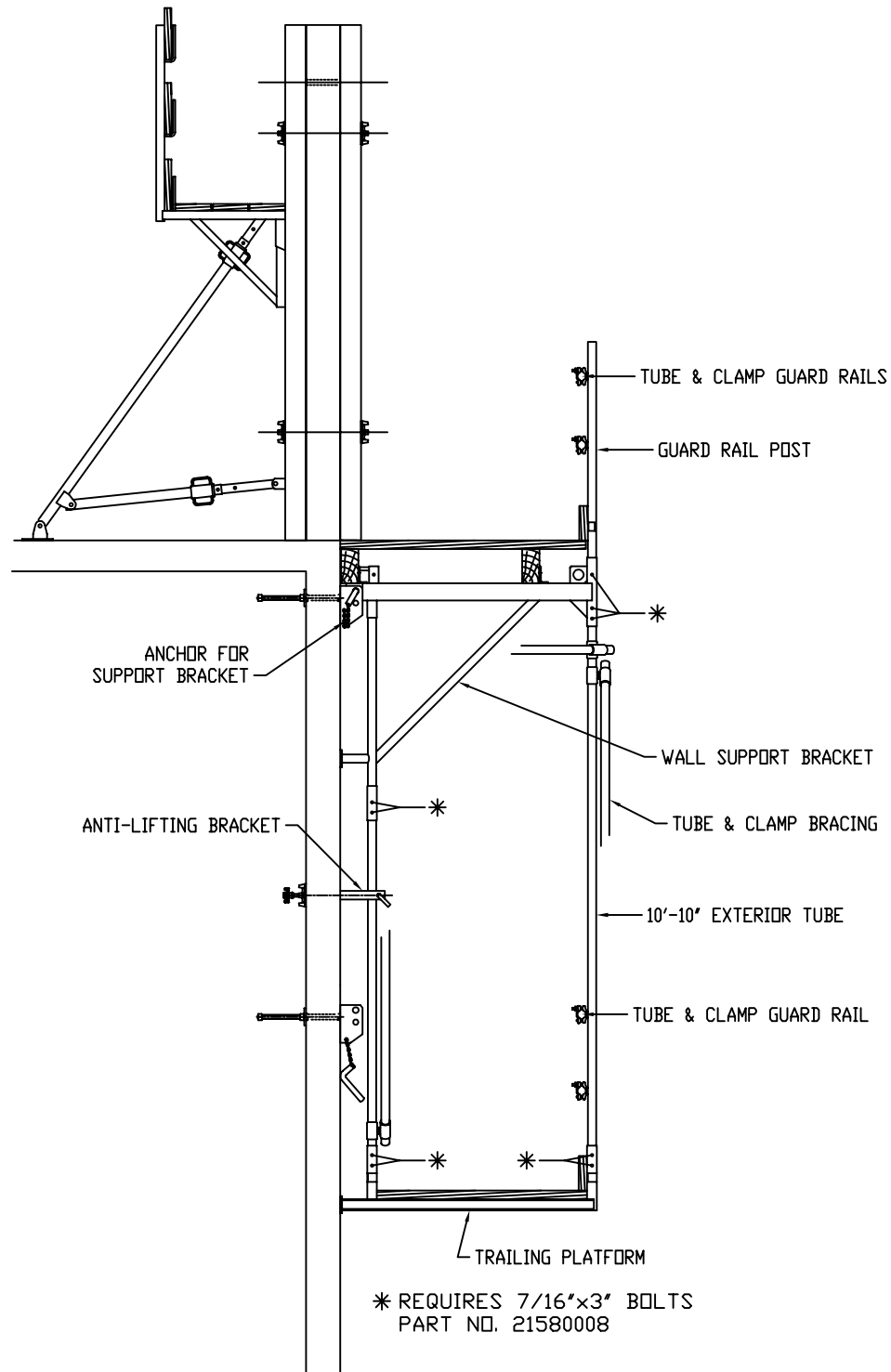
MAGNUM LIFT-N-LOCK BRACKET
PART NO. 21598200



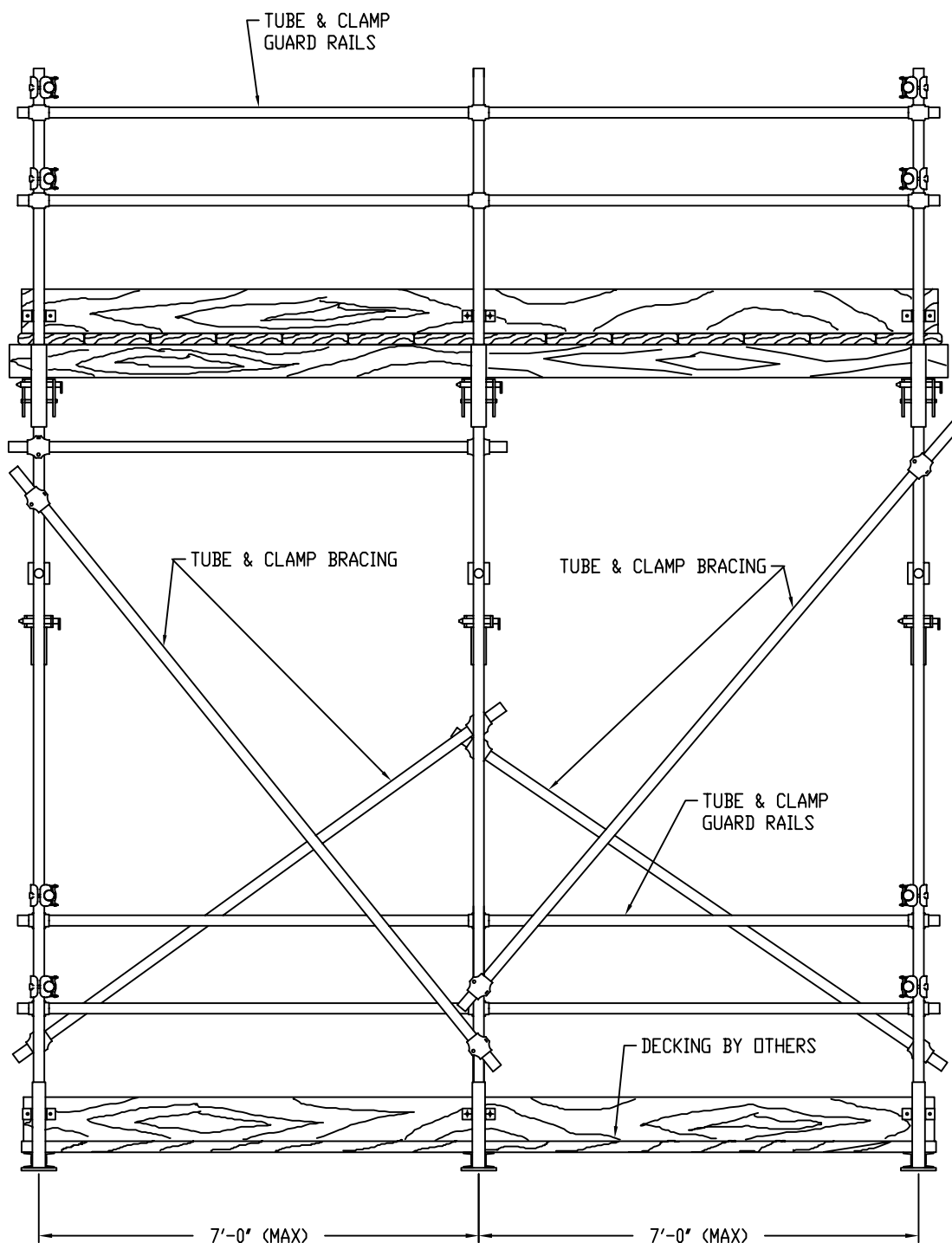
WALL SUPPORT BRACKET AND TRAILING BRACKET PLATFORM DETAIL



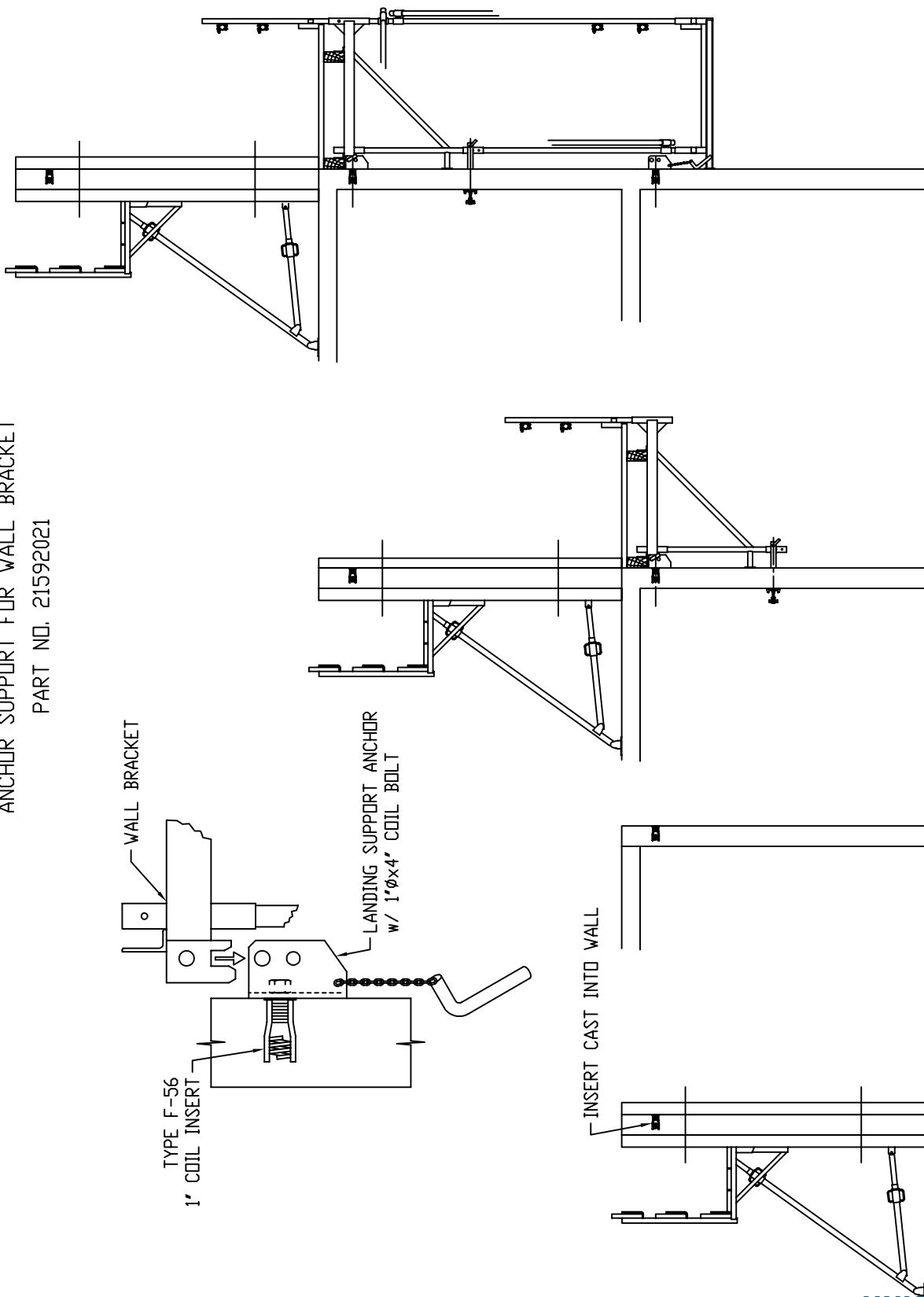
DETAIL OF SUPPORTING BRACKET WITH TRAILING PLATFORM



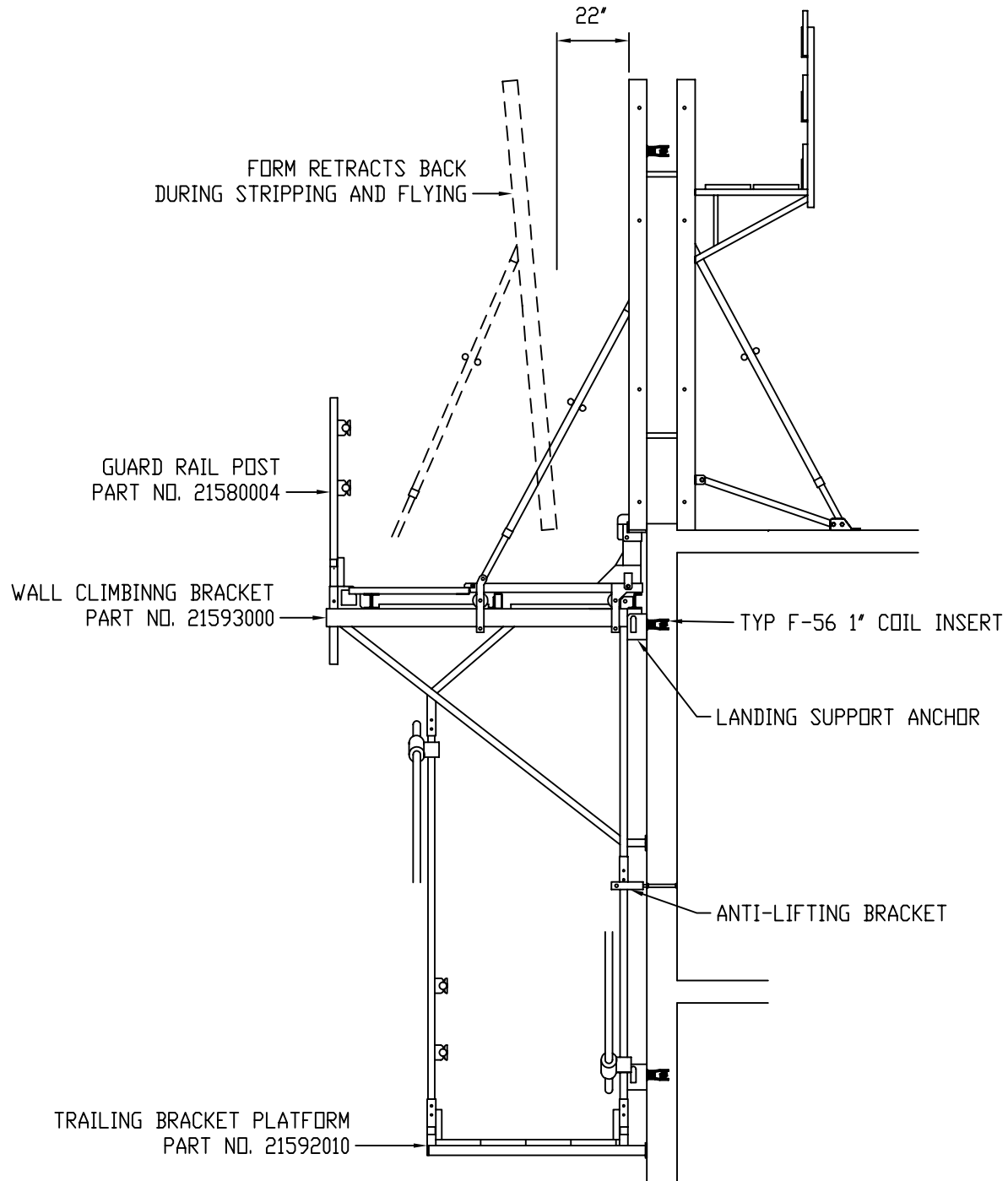
ELEVATION OF SUPPORTING BRACKET WITH TRAILING PLATFORM



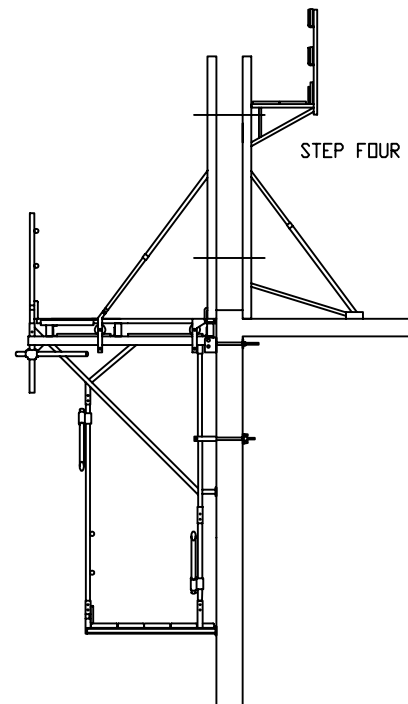
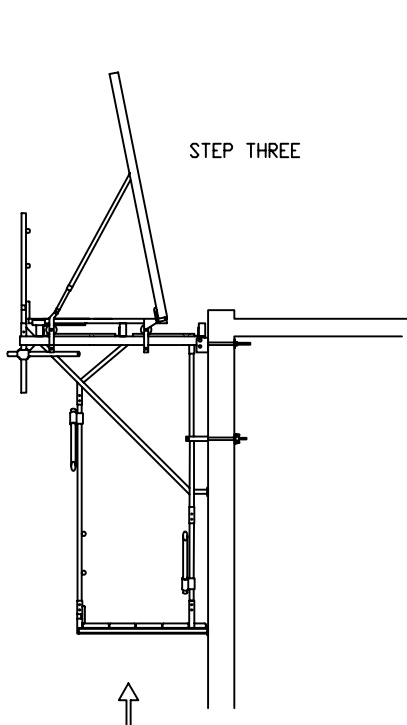
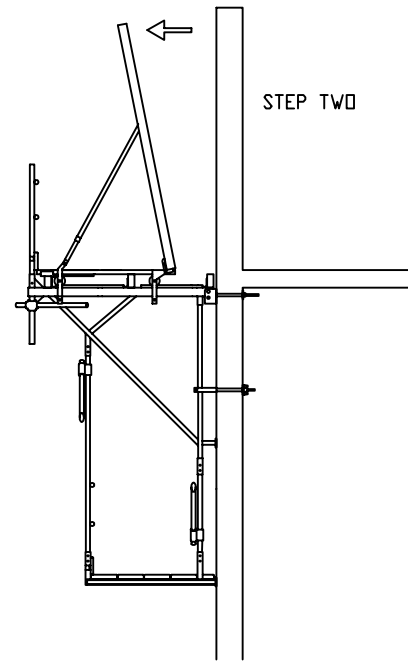
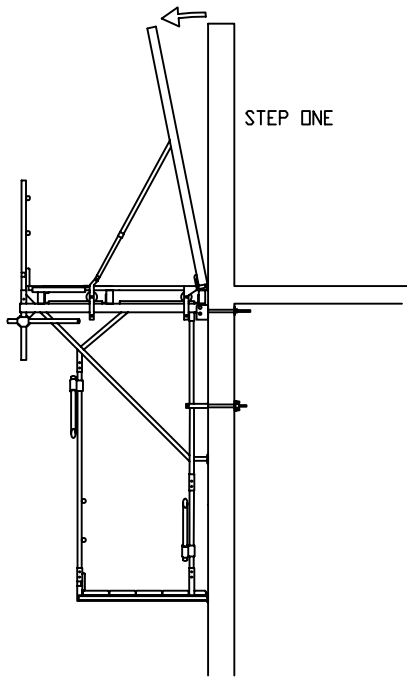
ANCHOR SUPPORT FOR WALL BRACKET
PART NO. 21592021



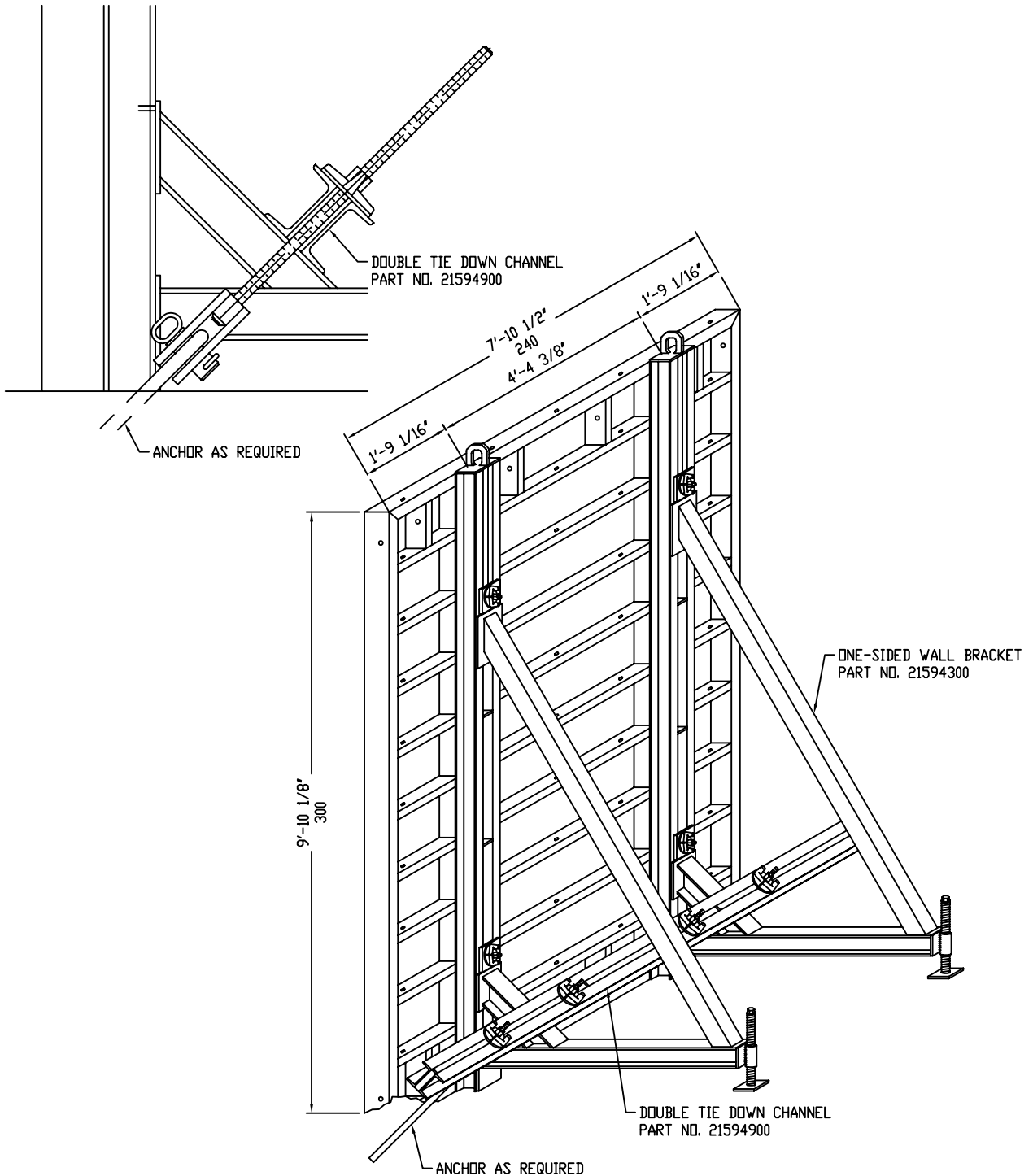
WALL CLIMBING BRACKET PART NO. 21593000



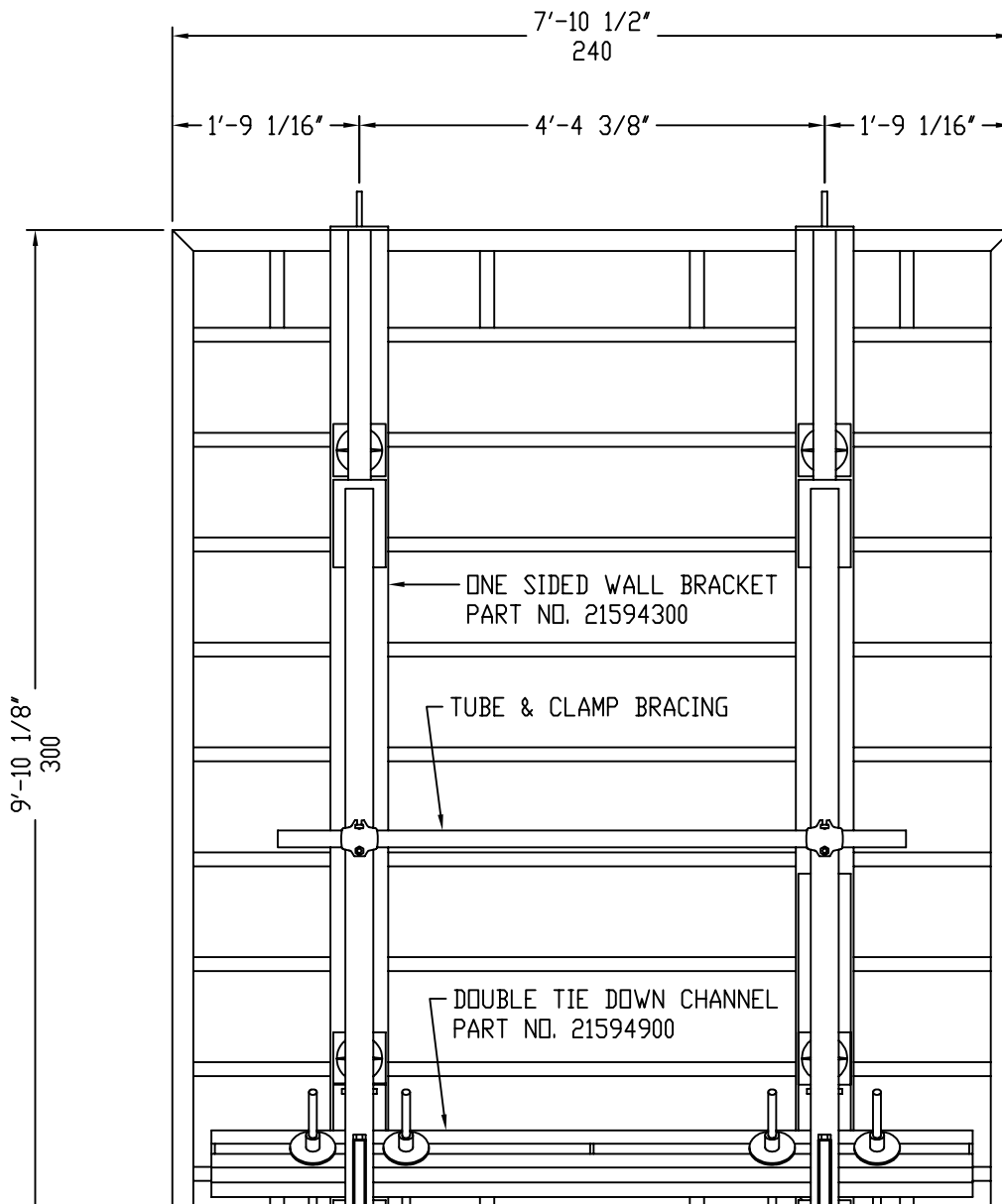
TYPICAL STRIPPING AND SETTING PROCEDURES
WALL CLIMBING BRACKET



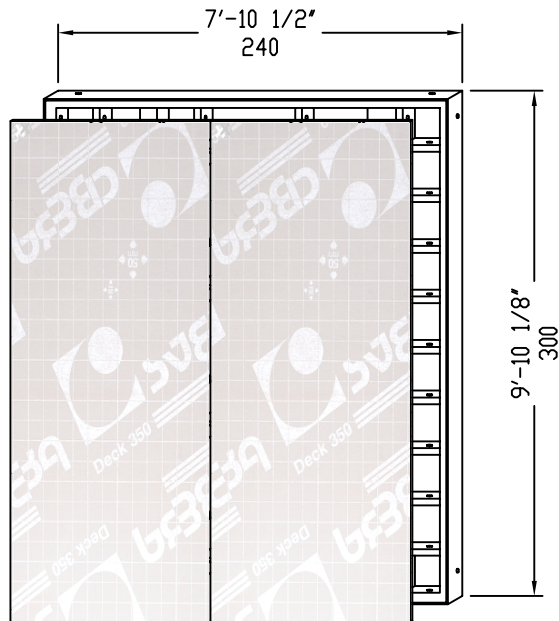
ONE-SIDED WALL BRACKET
PART NO. 21594300



ONE SIDED WALL BRACKET
PART NO. 21594300

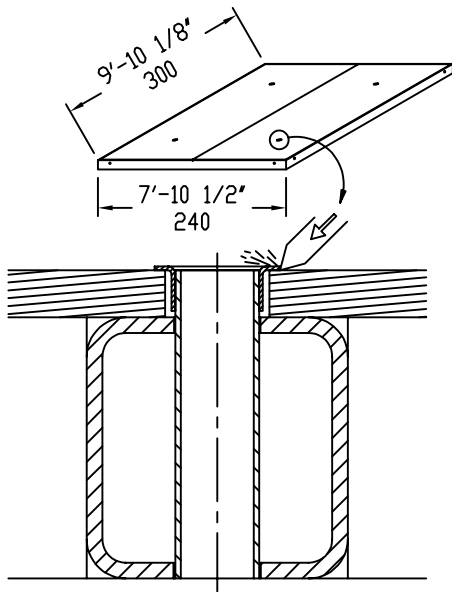


PLYWOOD SPECIFICATIONS

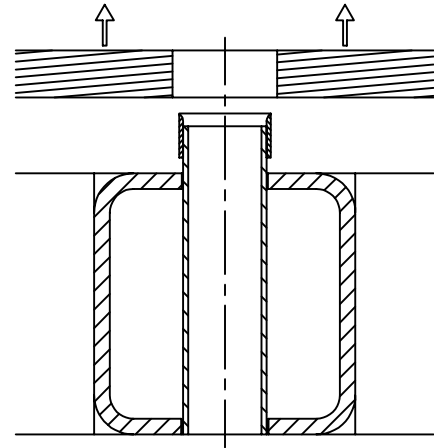


	PLYWOOD
THICKNESS	23/32"
WEIGHT	1.884 lbs/sq.ft.
EXTERNAL PROTECTION (PHENOLIC FILM)	0.034 lbs/sq.ft.
INTERNAL COMPOSITION	13 LAYERS (BIRCH)
SIDE EDGES	PROTECTED WITH PAINT
MOISTURE ABSORPTION (WHOLE PANEL)	NONE
MOISTURE ABSORPTION (PERFORATED PANEL)	HIGH (26.87%)

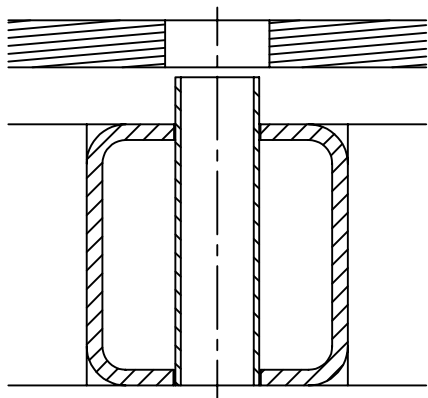
PLYWOOD REPLACEMENT 240x300 PANEL



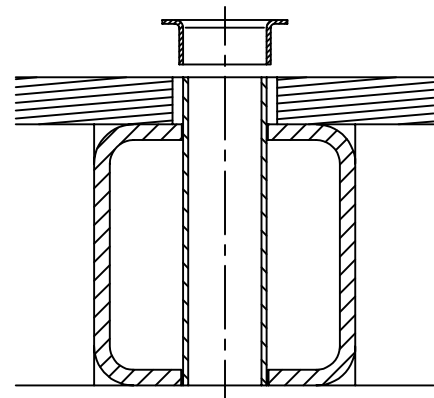
REMOVE PROTECTION RING



REMOVE PLYWOOD



INSTALL NEW PLYWOOD



INSTALL THE NEW PROTECTION RING

PLYWOOD REPLACEMENT UNDERSIZE PANELS

