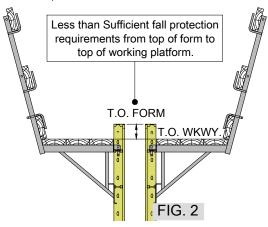


FALL PROTECTION WARNING:

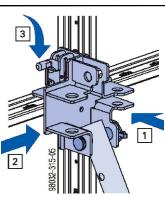
+ linch pin

When Sufficient Fall protection Requirements can not be provided, Additional bracket 60 working platform assembly is Recommended on opposite side (as shown FIG. 2), or provided by contractor. For fall protection at walkway "bulkhead", see FIG. 3 this detail.

Horizontal Panel



- A Handrail Clamp S or Handrail by others
- B Guardrail Planking by others (min. 2x4)
- C Guardrail Planking by others (min. 2x6)
- D Frami Bracket 60 (see above for LL and OC spacing)



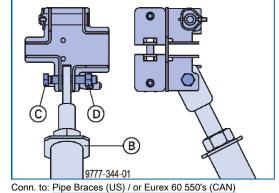
Steps for attaching Frami S Bracing Head to the Frami S Xlife frame profile:

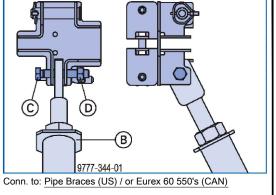
- Place the Bracing Head onto an empty cross profile
- 2) Slide the bracing head until it is flush with the frame
- Push the U-bolt to secure the head in place.

On a Vertically placed panel

(Panel Strut 340 / 540 shown)

(Panel Strut 340 / 540 shown)





(B)

Diagram above shows: All Possible Connection Points (BRACING HEAD EB) on Vertically or Horizontally placed

B Pipe Brace 12'-0" - 21'-0" (US) or Eurex 60 550 Struts (CAN)

panels. (Fig. 1, 2, 3, 4 shown above)

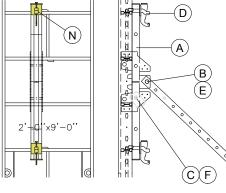
A Strut 340 / 540

D 3/4"Ø Speed Nut

C 3/4"Ø x 4" Speed Bolt

LEGEND: Frami Components

2

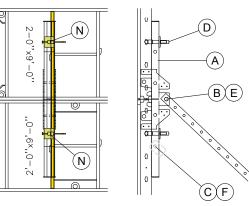


Partial Elev. View Partial Section

Upright Panel Position

Vertical position (Single or Stacked)

Frami S Conn. Profile EB on Frami Panels in Vertical position



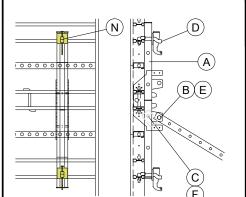
Partial Elev. View

Partial Section

Note: Connecting Profile EB (A) MUST have full Frami rail bearing (N), and wedge clamp attachment as shown at (D) above!

Horizontally Stacked Panels

See Note



(F.2)

Partial Elev. View

Universal Panel (3'-0" wide) **Upright Panel Position**

Frami S Conn. Profile EB

on Frami Panels in Horizontal position

A Frami S Connection Profile EB

B Strut 340 / 540 Connecting location

D Frami Wedge Clamp

F 3/4"Ø x 6" Speed Bolt w/ Nut

N Profile EB Baring & conn. note (Ref. 2C)

LEGEND: Ref. Det. 2B, 2C, & 2D only!



On a Horizontally placed panel

(Panel Strut 340 / 540 shown)

On a Vertically placed panel

(Panel Strut 340 / 540 shown)

3

Bacing Head EB: Strut / Pipe brace

(B)

Frami S Conn. Profile EB

For general safety notes, and standard details, please refer to on Frami Universal Panels

This seal applies only to the application design of equipment provided by Doka USA Ltd. for the loading conditions as indicated bersin.

Partial Section

nformation" & "Operating Instructions" fo leased for FIELD USE

Maximum Design Concrete Pressure =

1000 (48 kN/m²) P.S.F.(U.O.N.)

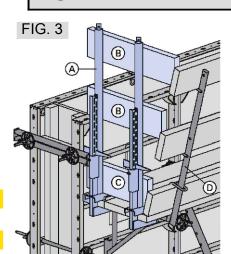


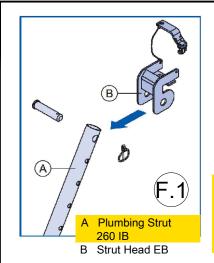
Doka USA Regional Office Eastern Support Group

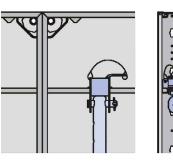
214 Gates Road Little Ferry, New Jersey 07643 Phone: (877) DOKA-USA Fax: (201) 329-6406

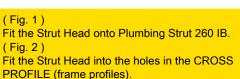
A004 - Bracing & Walkway Attachment Details Frami S Xlife Formwork System Standards

rawn By: AAS 5/12/2017 Date Drawn necked By: RJM 5/12/2017









Plumbing Strut 260 Head: Strut 260, & Frami Panel Profile

Working Platform & Fall Protection Details and Saftey Notes

Ref. sheet A005: Det. 4

Brace Spacing Design Note: Quantity & Spacing of Plumbing must be determined separately in the following cases: > Wind pressures above 15psf. > For Formwork Heights above 35'-5" Please Consult with your Local Doka Engineering Branch! Safety Note: Every gang-form must be supported by at LEAST 2 Plumbing / Bracing assemblies. Min. Anchor SWL: 3 kip (13.5 kN) (shear & tension) Max. Spacing with a wind pressure load of: 15 psf (0.72 kN/m²) Strut / Pipe brace Max. O/C Panel Ht. 6'-0" (1.83m) 6'-0" (1.83 m) 9'-0" (2.75m) 260 6'-0" (1.83 m) 12'-0" (3.66m) 340 9'-0" (2.75 m) 15'-0" (4.57m) 540¹⁾ 10'-0" (3.05 m) 18'-0" (5.48m) 540¹⁾ 6'-9" (2.09 m) 340 + 9'-0" (2.75 m) 21'-0" (6.4m) P.B. 22'-0"-40'-0" ²⁾ 9'-0" (2.75 m) 340 + 9'-0" (2.75 m) 22'-0" (6.7m) 9'-0" (2.75 m) P.B. 22'-0"-40'-0" 6'-9" (2.09 m) 340 + 24'-0" (7.31m) P.B. 22'-0"-40'-0" ²⁾ 9'-0" (2.75 m) 9'-0" (2.75 m) 540 ¹⁾ +

P.B. 22'-0"-40'-0" 2) 9'-0" (2.75 m)

1) or Pipe brace 12'-0" - 21'-0"

2) or Eurex 60 550

Typ. Brace Spacing: O/C max.

(B

(A)

Values apply to all Bracing & Plumbing Types

(B)

α ... approx. 60°

Panel height 15 psf (0.72 kN/m²) 5'-0" (1.50 m) 6'-0" (1.83 m) Max. Spacing Spacir PSF 3'-6" (1.05 m) 9'-0" (2.75 m) Max. Spacing Max. Anchoring load: 1 kip (48 kN) Max. Spacing: Plumbing Strut 260

Plumbing Struts 260 w/ Strut Head EB (Only)

Bracing Clip: Follow Charts 3 & 3A

A Plumbing Strut 540 IB EF

B Prop Shoe EB (Det. 3C)

C Frami S Bracing Head or Conn. Profile EB (sht. A004)

F Bracing Clip (see Detail 3B)

Alternate Securing method for

bottom of form: Use nail-holes (in

Frami form profile) to fasten the

panels to the ground, or wood

sills.

C Frami Bracing

D Doka Express

Anchor or Alt.

SEE sheet A006

Det. 3E for

installation

instructions.

Cylinder

Compressive

strength of

Concrete: min.

3,000 PSI

Follow Spacing

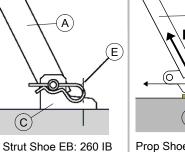
Charts

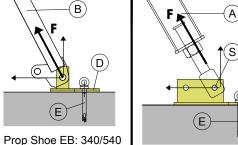
Detail 3 & 3B

(c)

Ref. Det. 4, 4A, 4B, 5, & 5A

Clip





A Pipe Brace 12'-21" Or 22'-40' (Per Working Dwg.)

H Pipe Brace Shoe

E Express Anchor Or 3/4"Ø (Max.) Anchor By Contr

Ref. Det. 5 & 5A

S 3/4"Ø X 4" Speed Bolt & Speed Nut

Note: Connecting Hardware for Detail 3D components are delivered in separate bundles (not assembled to Pipe Brace)

Pipe brace Shoe (12'-21' or 22'-40')

NOTE: For further information please read the fitting instructions on sheet A006: Doka express anchors!

Doka express anchor 16x125mm



Doka Express Anchor (A006) Refer to sht. A006

A Plumbing Strut 260

B Panel Strut 340 / 540 (Per Working Dwg.)

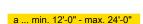
C Strut Shoe EB

D Prop Shoe EB

E Express Anchor Or Equal By Contr.

Note: Connecting Hardware for Detail 3C components should come attached to brace on delivery (Strut 260, 340, or 540)

Doka Strut & Prop Shoe EB Ref. Det. 4, 4A, & 4B & NOTE >



A Pipe Brace 12'-0" - 21'-0"

B 3/4"Ø x 4" Speed Bolt

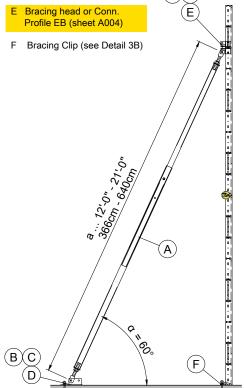
C 3/4"Ø Speed Nut

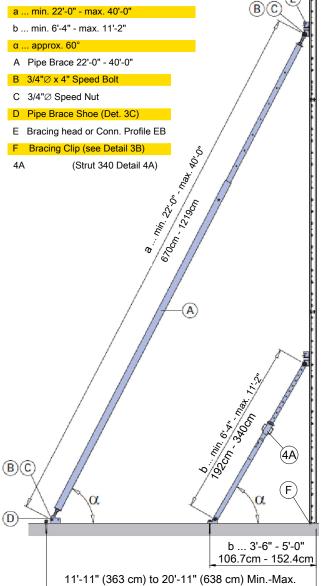
α ... approx. 60°

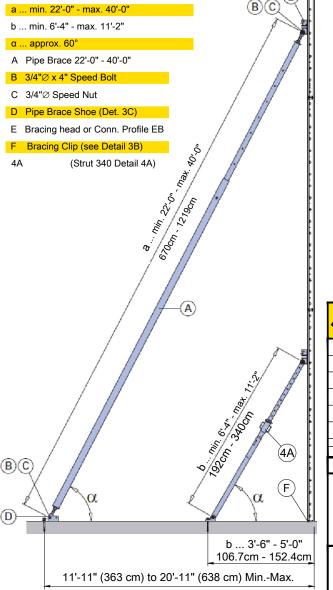
D Pipe Brace Shoe (Det. 3C)

E Bracing head or Conn.









Pipe Brace 22'-0" - 40'-0" + Plumbing Strut

For general safety notes, and Please refer to the Corresponding "User nformation" & "Operating Instructions" fo sheet(s) additional information: @ www.Doka.com eased for FIFI D USE Maximum Design Concrete Pressure = 1000 (48 kN/m²) P.S.F.(U.O.N.)

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nis seal applies only to the application

design of equipment provided by Dok USA Ltd. for the loading conditions as

A005 - Plumbing & Bracing Details Frami S Xlife Formwork System Standards

NTS

necked By: RJM

Ref. Det. (3)

AAS 5/16/2017 Date Drawn

Date Checked

5/16/2017 Date Issued: 5/16/2017

A Plumbing Strut 260 IB

B Strut Head EB (sht. A004)

C Strut Shoe EB (Det. 3C)

F Bracing Clip (see Detail 3B)

27'-0" (8.23m)

Strut 340 IB EF Ref. Det. (3)

Plumbing Strut 540 IB EF Ref. Det. (3)

Strut 260 IB Ref. Det. (3A)

F Bracing Clip (see Detail 3B)

b ... 3'-6" - 5'-0"

Pipe Brace 12'-0" - 21'-0" Ref. Det. (3)

106.7cm - 152.4cm A Plumbing Strut 340 IB EF B Prop Shoe EB (Det. 3C) (B) C Frami S Bracing Head or Conn. Profile EB (sht. A004)

b ... 6'-6" - 8'-0" 198.1cm - 243.8cm

6'-11" (211 cm) to

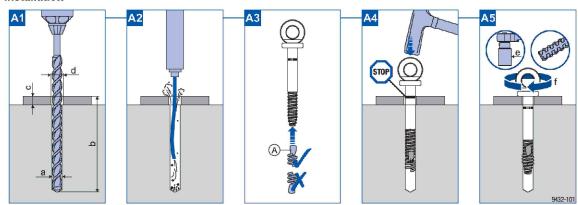
11'-5" (348 cm) Min.-Max.

WARNING

- ► Use Doka coils 16mm only with the Doka express anchor 16x125mm.
 - > Never use Doka coils 16mm on normal standard screws or anchors.
 - > Screw the Doka coil 16mm onto the Doka express anchor 16x125mm only in the direction indicated. Do not pre-spread.
 - > The express anchor may only be re-used after performing a check for wear with the Gauge for Doka express anchor 16x125mm, and provided that this check has been successfully passed.

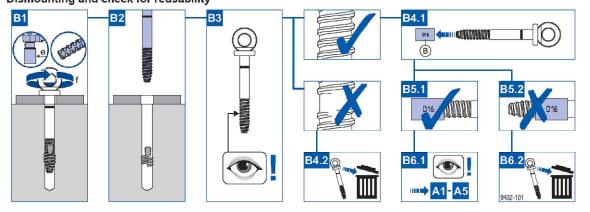
Installation and dismounting

Installation

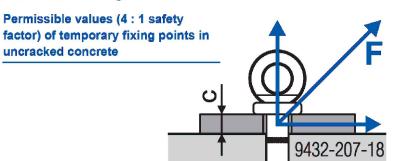


- a ... Nominal drill bit diameter 5/8" (16 mm)
- b ... Depth of drilled hole 5 1/2" (135 mm) (The depth of the drilled hole b can be reduced by dimension c.)
- c ... Max. thickness of attached part 5/8" (15 mm)
- d ... Diameter of hole drilled in the attached part 5/8"-1" (17-25 mm)
- e ... Width-across 1 3/8" (36 mm)
- f ... Torque T_{min} 133 ft-lb (180 Nm)
- A Doka coil 16mm (art. n° 588633000) Expendable part, can be used once only
- **B** Gauge for Doka express anchor 16x125mm (art. n° 588632000)

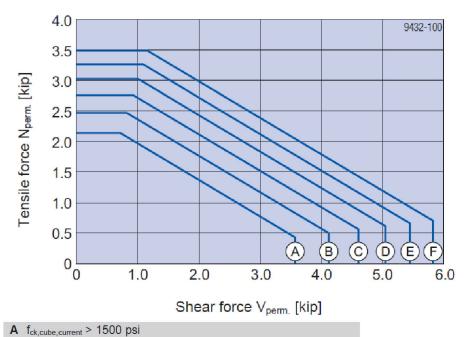
Dismounting and check for reusability



Structural design

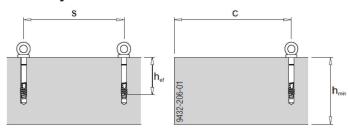


c ... Max. thickness of attached part 5/8" (15 mm)



- B f_{ck,cube,current} > 2000 psi
- C f_{ck,cube,current} > 2500 psi
- D f_{ck.cube.current} > 3000 psi
- E f_{ck,cube,current} > 3500 psi
- F f_{ck,cube,current} > 4000 psi

Boundary conditions

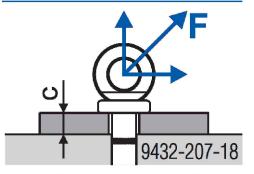


Anchoring depth hef ... 3 1/4" (85 mm) Building-element thickness h_{min} ... 8" (200 mm) Distance from edge c ... 1'-4" (400 mm) Distance from one another s ... min. 3'-11" (1200 mm)

The following simplified values may be used:

- Permitted load F_{perm.} in concrete with f_{ck.cube.current} > 1500 psi: 2.1 kip
- Permitted load F_{perm.} in concrete with f_{ck,cube,current} > 3500 psi: 3.3 kip

Permissible values (4: 1 safety factor) of back-stays on ring (values apply to uncracked concrete)



c ... Max. thickness of attached part 5/8" (15 mm)

Permitted load F_{perm.} where f_{ck,cube,current} ≥ 1500 psi: 2.1 kip



Important note:

If the ring is damaged (deformed), it is not permitted to use this back-stay!

For general safety notes, and Please refer to the Corresponding "User nformation" & "Operating Instructions" fo

Maximum Design Concrete Pressure = 1000 (48 kN/m²) P.S.F.(U.O.N.)



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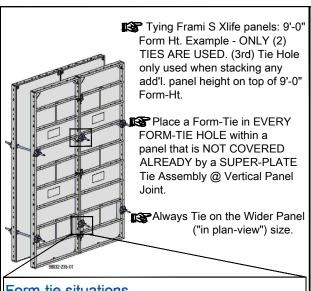
A006 - Doka Express Anchor Details

Frami S Xlife Formwork System Standards

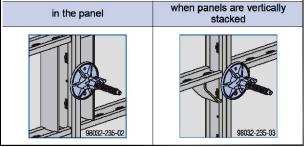
Scale:	NTS	Approved:	
Drawn	By: AAS	Date Drawn: 5/16/2017	
Checke	ed By: RJM	Date Checked: 5/16/2017	
Sheet I	No. A006	Revision: A Date Issued: 5/	16/2017

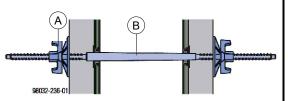
Doka Express Anchor Detials

Refer to sheet A005



Form-tie situations





A Super-plate 15.0mm ∅

B Taper-tie 3/4"Ø to 1"Ø w/ 5/8"Ø (15mm) Threaded Ends

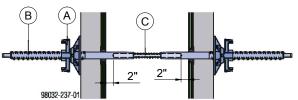
For Tie length @ wall thickness, see chart below

Wall thickness	Taper-Ties length
6" to 12" (15.2 to 30.5 cm)	32" (81.3 cm)
12" to 18" (30.5 to 45.7 cm)	38" (96.52 cm)
18" to 24" (45.7 to 61.0 cm)	44" (111.8 cm)
24" to 30" (61.0 to 76.2 cm)	52" (132.0 cm)

Note:

Always loosen the Super-plate 15.0 on the THINNER end of the taper-tie first.

Taper tie 3/4" to 1" width 5/8" ends: Permitted capacity with a 2 : 1 safety factor = 18,000 lbs. (80 kN)



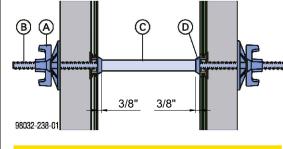
A Super-plate 15.0mm Ø

B Frami S she-bolt 5/6"Ø (15mm) x 16" L.**

Threaded Rod 5/8"∅ (15mm) Euro Tie-rod*

*Tie-rod required Field Cut. Length of Cut = wall thickness minus (-) 4" (10 cm) (2" (5 cm) x each

**24" long she-bolt available for special applications. please refer to working drawings as noted.

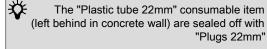


A Super-plate 15.0mm Ø

B 5/8""Ø (15mm) Tie-rod: may require Field Cut. Length of Cut = wall thickness plus (+) 16" (40.6 cm) (approx. 8" (20.3 cm) x each side).

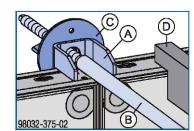
C Plastic tube 22mmØ

D Universal cone 22mmØ: Field cut= wall thickness minus (-) 3/4" (3/8" each side).



Spanner for Tie-rod 15.0/20.0mm∅: is used for turning and holding tie rods for spinning with loosening for stripping.

Tie-rod 5/8"Ø: Permitted capacity with a 2 : 1 safety factor = 22,000 lbs. (98 kN)



A Frami S Tie-Holder Bracket

B Taper-Tie 3/4" to 1" & 5/8"∅ ends

C Super-plate 15.0∅mm

D Lumber Spreader (by others)

Xlife Panel (upright)	Qty. & Position of Frami Tie-Holder Bracket	
up to 9'-0" (274.3 cm)	Over EVERY Panel Joint	

Dry-Tie w/ Taper-Tie system

15mmØ Tie-Rod System Optional

This seal applies only to the application

design of equipment provided by Doka USA Ltd. for the loading conditions as

Standard Tie Detail Overview

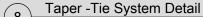
Minimum

No. of FRAMI

CLAMPS

2

2



3/4" to 1"Ø Taper

5/8"Ø She-bolt System Detail 16" & 24" Lengths Available

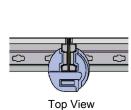
She-bolt system width 5/8"∅ ends:

Permitted capacity with a 2 : 1 safety factor =

18,000 lbs. (80 kN)

5/8"Ø Tie-rod 15.0 Detail

Stock length of 19'-1" (Field-Cut Required)



HORIZONTAL:

PANEL WIDTH

6" (15.2 cm)

1'-0" (30.5 cm)

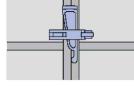
1'-6" (45.7 cm)

2'-0" (61.0 cm)

2'-6" (76.2 cm)

3'-0" (91.4 cm)

Min. Clamps per Frami Width





UPRIGHT:

PANEL HEIGHT

3'-0" (91.4 cm)

4'-0" (121.9 cm)

6'-0" (182.9 cm)

9'-0" (274.3 cm)



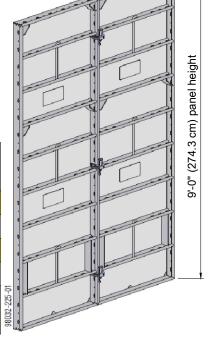
ISO View

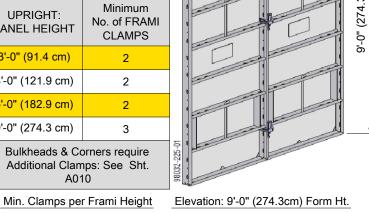
2

2

2

3





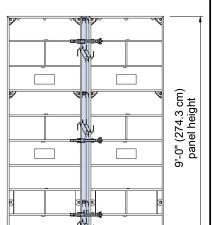
(MAX.) Top View 6" (15.2 cm) (MAX.)

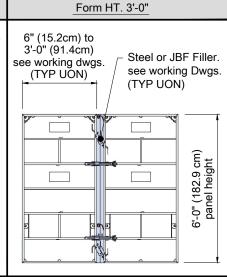
6" (15.2 cm)



Front View

'-0" (121.9 cm) panel height Form HT. 4'-0"





Form HT. 6'-0"

	Date.
details, please refer to	Please refer to the Corresponding "User Information" & "Operating Instructions" t additional information: @ www.Doka.com

5/15/2017 AAS RJN

Maximum Design Concrete Pressure =

ased for FIFI D USF

1000 (48 kN/m²) P.S.F.(U.O.N.)



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A007 - Panel Joining & Form-Tie Details

Frami S Xlife Formwork System Standards

Simple Inter-Panel Connections: Frami Clamp partial plans & elevations

A010

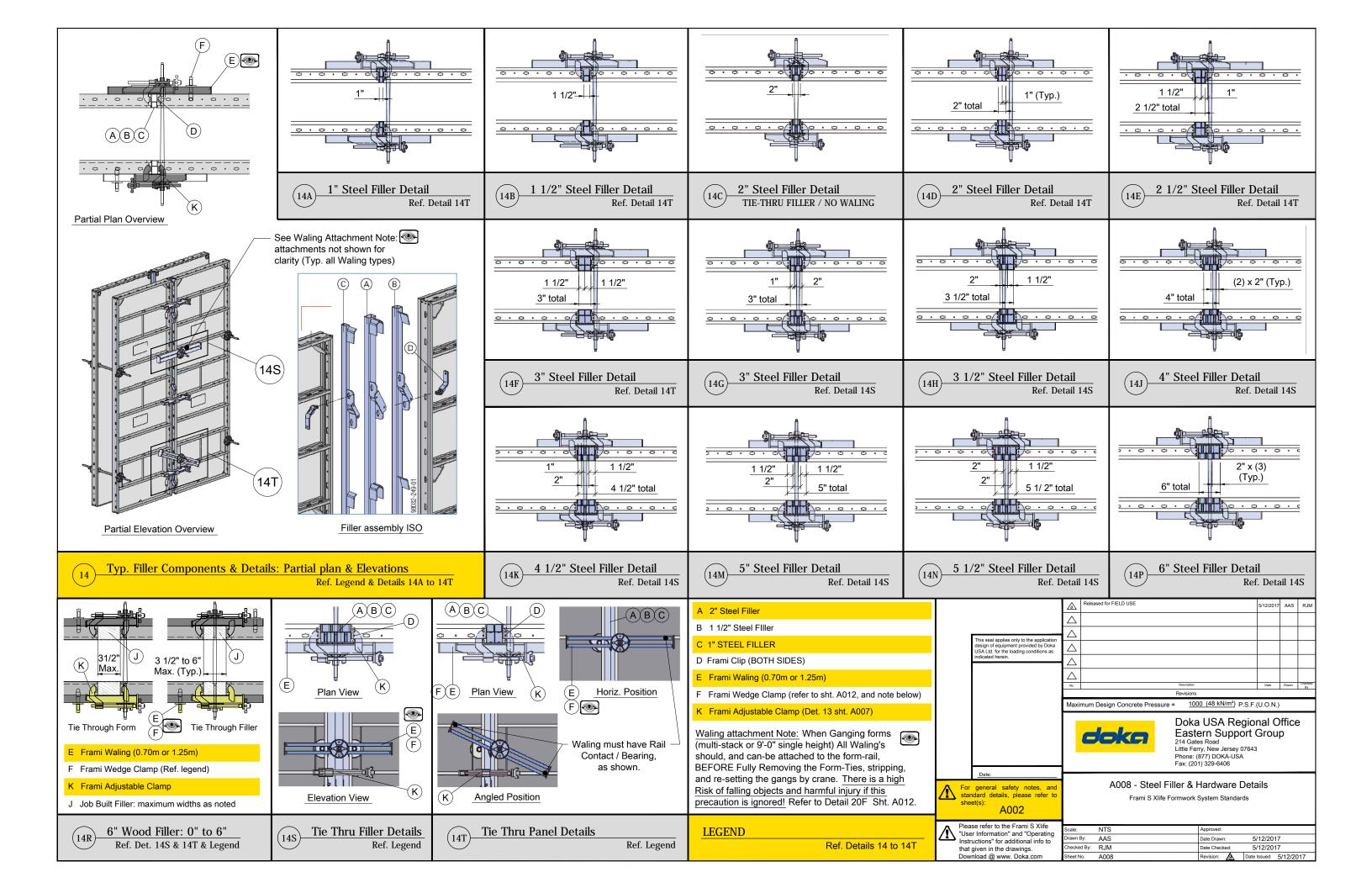
Form HT. 9'-0" Panel Connections @ Fillers: Frami Adjustable Clamp Partial plans & elevations

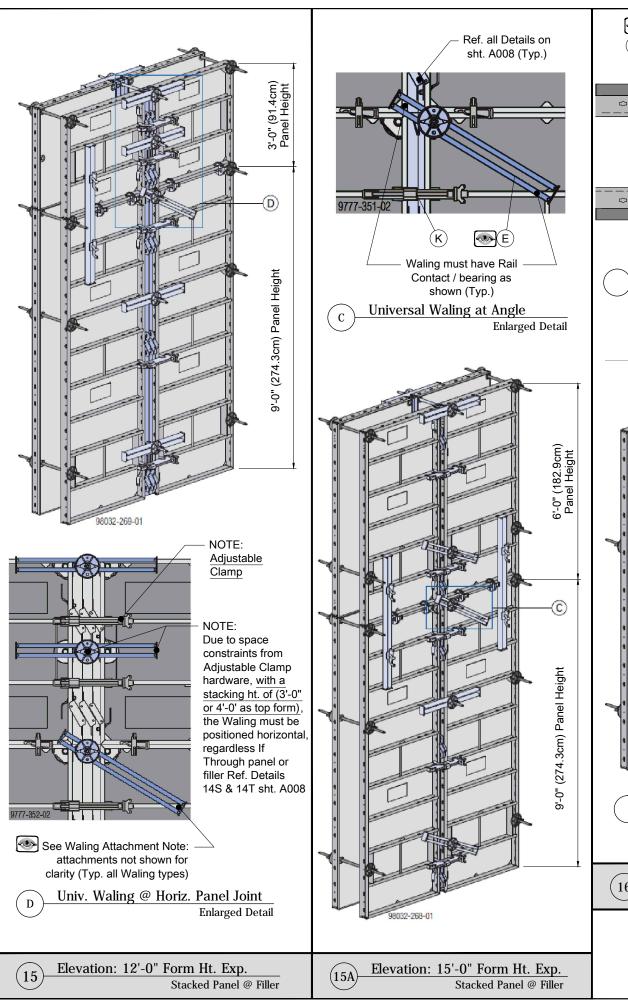
Ref. to Charts on Det. 12 necked By: RJM

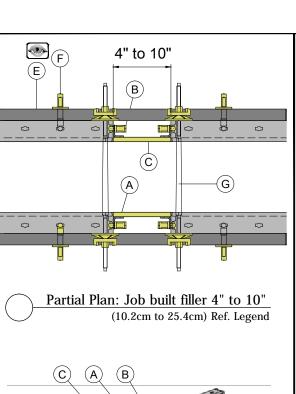
awn By: AAS 5/15/2017 Date Drawn: Date Checked: 5/15/2017 Date Issued: 5/15/2017

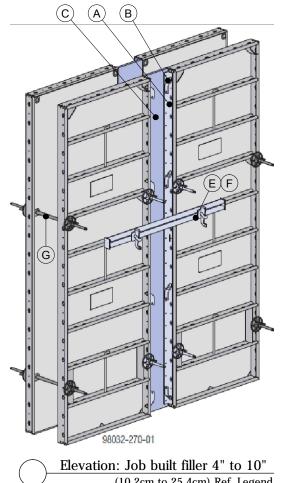
(12)

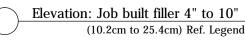
(13

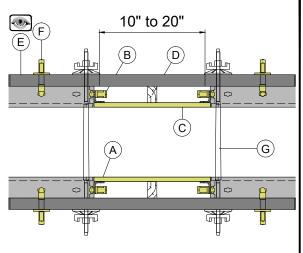




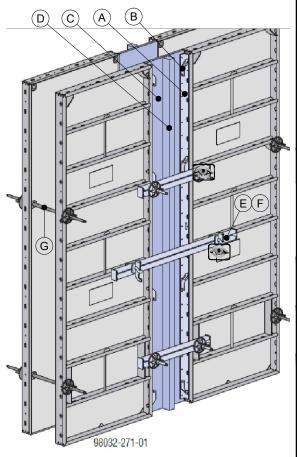








Partial Plan: : Job built filler 10" to 20" (25.4cm to 50.8cm) Ref. Legend



Elevation: Job built filler 10" to 20" (25.4cm to 50.8cm) Ref. Legend

Job built filler 4" to 10"

(10.2cm to 25.4cm)

Job built filler 10" to 20"

(25.4cm to 50.8cm)

lacksquare

Waling attachment Note: When Ganging forms (multi stack or 9'-0" single height) All Waling's should, and can-be attached to the form-rail, BEFORE Fully Removing the Form-Ties, stripping, and re-setting the gangs by crane. There is a high Risk of falling objects and harmful injury if this precaution is ignored! Refer to Detail 20F Sht. A012. A Frami S Filler Angle 3/4"

B Frami Clip (Ref. Chart 16F this sheet.)

C 3/4" Plywood by others

D 2x4 (Nom.) Lumber cut to: x 2 3/4" (plan length)

E Frami Universal Waling 0.70m + 1.25m

Ref. Dets. 16D & 16E & Ref. 20F A012

F Wedge Clamp

G Form-Tie (see sht. A007)

H Framax Waler 1.50m

I Universal Fixing Bolt 5-12cm

J Super-plate 15.0

K Frami Adjustable Clamp

Frami 3/4" Filler Angle	Qty. of Frami Cips Per piece
3'-0" (91.4cm)	2
4'-0" (121.9cm)	2
6'-0" (182.9cm)	3
9'-0" (274.3cm)	4

Chart: Clips & Angles

16 & 16A

LEGEND

This seal applies only to the application design of equipment provided by Doka USA Ltd. for the loading conditions as For general safety notes, and

Please refer to the Frami S Xlife
"User Information" and "Operating
Instructions" for additional info to

Download @ www. Doka.co 5/12/2017 AAS RJM

aximum Design Concrete Pressure =

1000 (48 kN/m²) P.S.F.(U.O.N.)



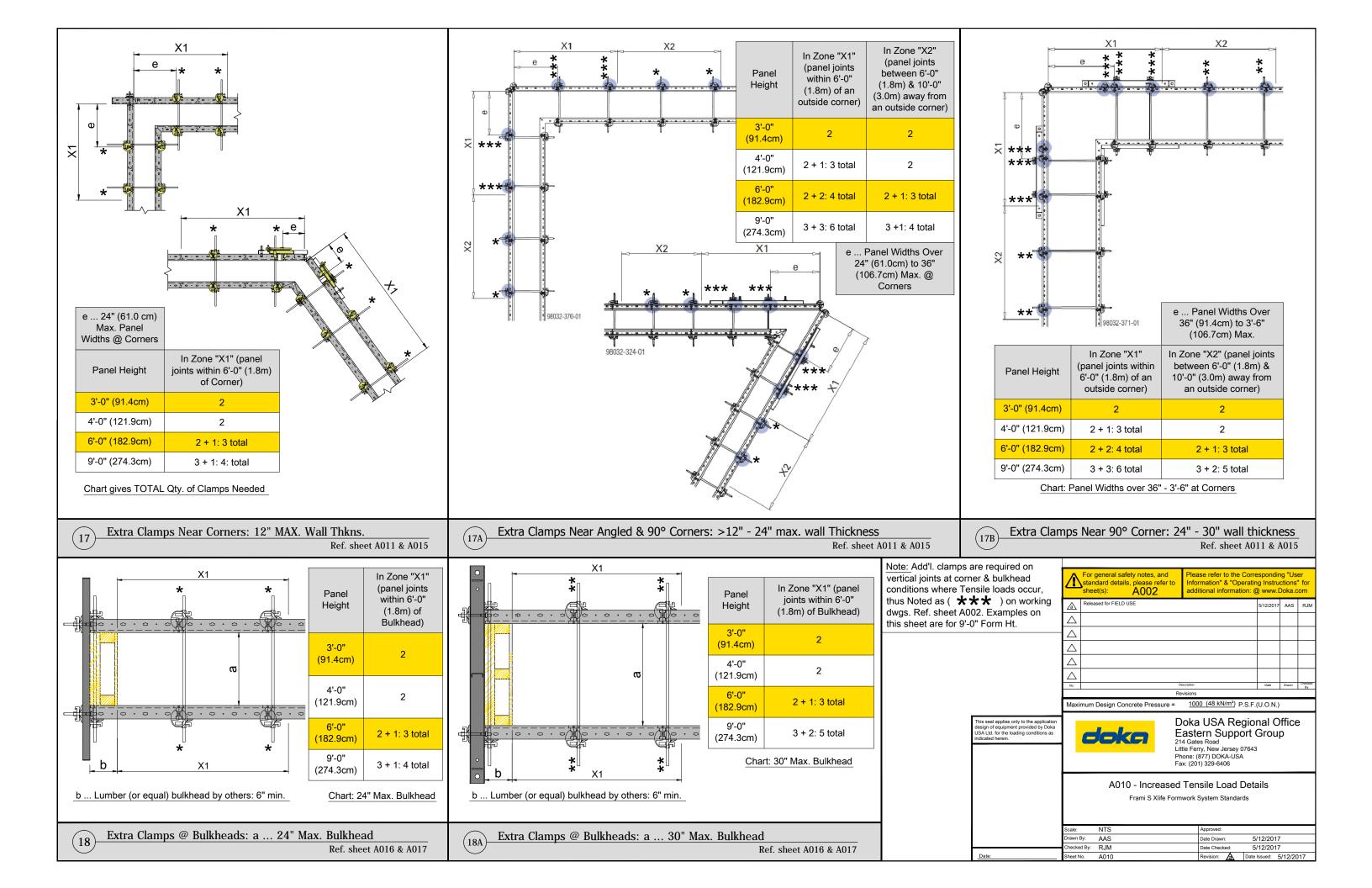
Doka USA Regional Office Eastern Support Group

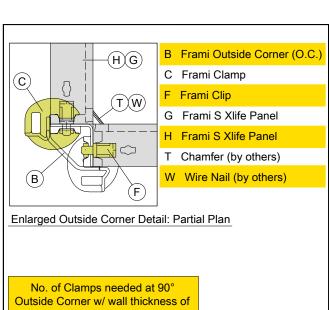
214 Gates Road Little Ferry, New Jersey 07643 Phone: (877) DOKA-USA Fax: (201) 329-6406

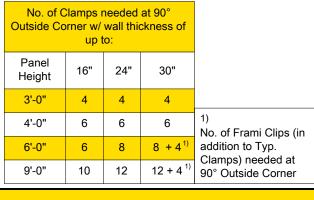
A009 - Steel/Job Built Filler & Hardware Details

Frami S Xlife Formwork System Standards

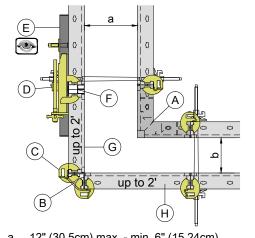
Scale:	NTS	Approved:	
Drawn By:	AAS	Date Drawn:	5/12/2017
Checked By:	RJM	Date Checked:	5/12/2017
Sheet No.	A009	Revision:	Date Issued: 5/12/2017
	Drawn By: Checked By:	Drawn By: AAS Checked By: RJM	Drawn By: AAS Date Drawn: Checked By: RJM Date Checked:







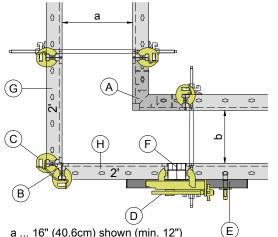
90° Outside Corner Details



- a ... 12" (30.5cm) max. min. 6" (15.24cm)
- b ... 8" (20.32cm) shown (ref. dim. "a" above)
- A Frami S Xlife Inside Corner (I.C.)
- B Frami S Xlife Outside Corner (O.C.)
- C Frami Clamp
- D Frami Adjustable Clamp
- E Frami Universal Waling 0.70m + Wedge Clamp
- F Frami Steel Filler (2" max. see det. 14 on. A008)

90° Corner: 6" to 12" wall thkn.

- G Frami S Xlife panel x 1'-6" (show) 2'-0" max.
- H Frami S Xlife panel x 2'-0" wide



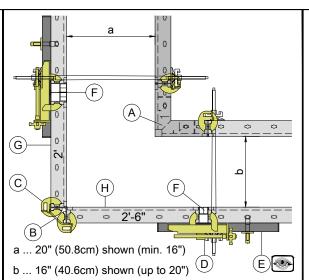
- a ... 16" (40.6cm) shown (min. 12")
- b ... 12" (30.5cm) shown (up to 16")
- A Frami S Xlife Inside Corner (I.C.)
- B Frami S Xlife Outside Corner (O.C.)
- C Frami Clamp
- D Frami Adjustable Clamp
- E Frami Universal Waling 0.70m + Wedge Clamp
- F Frami Steel Filler (4" max. see det. 14 on. A008)

90° Corner: 12" to 16" wall thkn.

a ... 30" (76.2 cm)

See Detail 17 to 17B on sht. A010

- G Frami S Xlife panel x 2'-0" wide
- H Frami S Xlife panel x 2'-0" wide

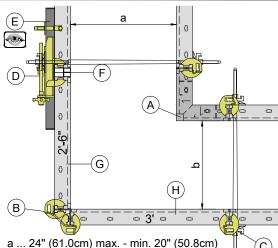


- A Frami S Xlife Inside Corner (I.C.)
- B Frami S Xlife Outside Corner (O.C.)
- C Frami Clamp
- D Frami Adjustable Clamp
- E Frami Universal Waling 0.70m + Wedge Clamp
- F Frami Steel Filler (4" max. see det. 14 on Sht. A008)

90° Corner: 16" to 20" wall thkn.

See Detail 17 to 17B on sht. A010

- G Frami S Xlife panel x 2'-0" wide
- H Frami S Xlife panel x 2'-6" wide



- b ... 20" (50.8cm) shown (ref. dim. "a" above)
- A Frami S Xlife Inside Corner (I.C.)
- B Frami S Xlife Outside Corner (O.C.)
- C Frami Clamp
- D Frami Adjustable Clamp
- E Frami Universal Waling 0.70m + Wedge Clamp
- F Frami Steel Filler (4" max. see det. 14 on Sht. A008)
- G Frami S Xlife panel x 2'-6" wide
- H Frami S Xlife panel x 3'-0" wide

For general safety notes, and

Please refer to the Frami S Xlife

"User Information" and "Operating Instructions" for additional info to

that given in the drawings.

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Δ

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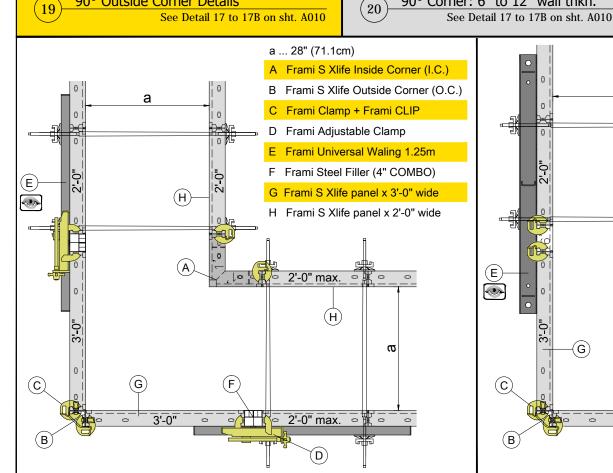
Δ

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90° Corner: 20" to 24" wall thkn.

See Detail 17 to 17B on sht. A010



90° Corner: >24" & Up to 28" wall thickness

A Frami S Xlife Inside Corner (I.C.) (D)а B Frami S Xlife Outside Corner (O.C.) C Frami Clamp + Frami CLIP D Frami Universal Waling 0.70m E FRAMAX Univ. Waling 1.50m F Frami S Xlife panel x 0'-6" wide (H)G Frami S Xlife panel x 3'-0" wide H Frami S Xlife panel x 2'-0" wide 2'-0" max. (E) (F) (c)2'-0" max. \circ 3'-0"

Frami S Xlife Panel & Job Built Filler Width Chart: IMPERIAL **METRIC** (91.4cm) 3'-0" Panel 2'-6" Panel (76.2cm) (61.0cm) 2'-0" Panel (45.7cm) 1'-6" Panel 1'-0" Panel (30.5cm) (15.2cm) 0'-6" Panel or JBF (14.0cm) 5 1/2" JBF (12.70cm) 5" JBF (11.4cm) 4 1/2" JBF 4" JBF (10.2cm) (8.9cm) 3 1/2" JBF 3" JBF (7.6cm) 2 1/2" JBF (6.4cm) (5.1cm) 2" JBF (3.8cm) 1 1/2" JBF (2.5cm) 1" JBF 1/2" JBF (1.3cm) Waling attachment Note: When Ganging forms (multi stack or 9'-0" single height) All Waling's should, and

can-be attached to the form-rail.

Form-Ties, stripping, and re-setting the gangs by crane. There is a high Risk of falling objects and harmful injury if this

precaution is ignored! Refer to Detail

BEFORE Fully Removing the

20F Sht. A012.

Maximum Design Concrete Pressure =

1000 (48 kN/m²) P.S.F.(U.O.N.) Doka USA Regional Office Eastern Support Group

This seal applies only to the applicat design of equipment provided by Doka
USA Ltd. for the loading conditions as
indicated herein

5/12/2017 AAS RJN

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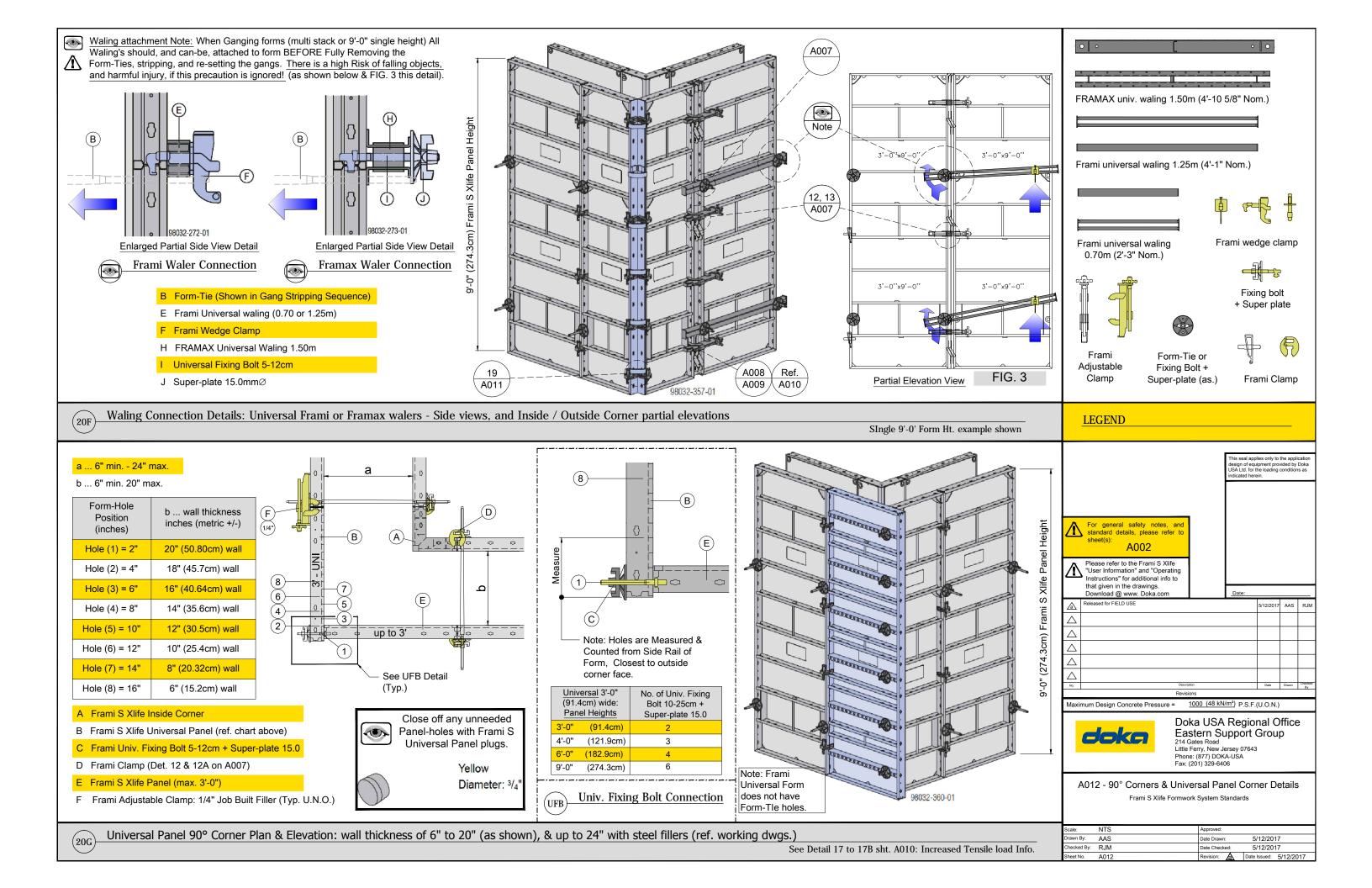
A011 - 90° Corner Details Frami S Xlife Formwork System Standards

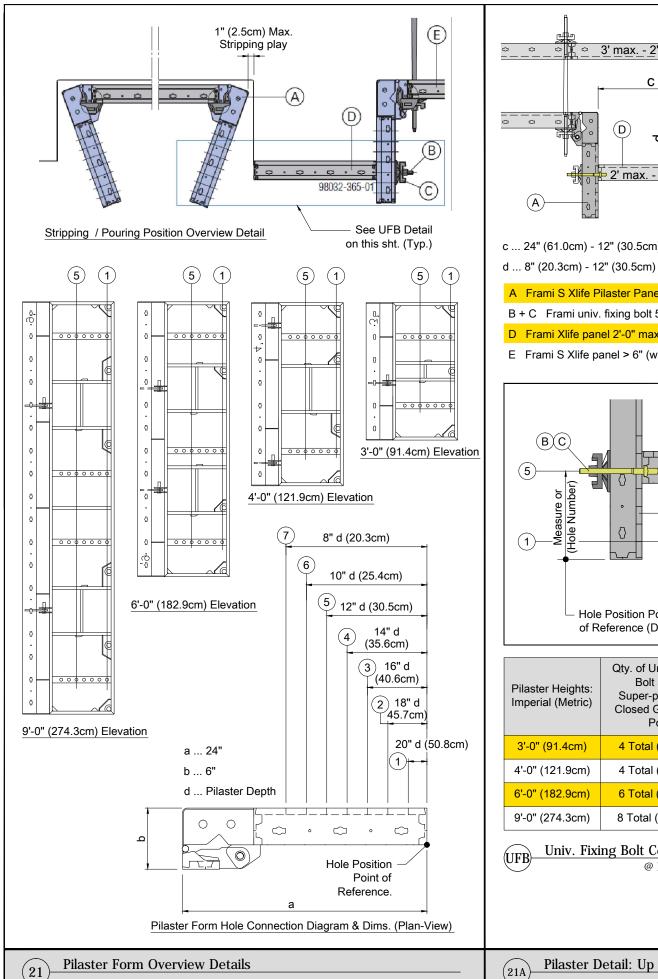
NTS rawn By: AAS 5/12/2017 Date Drawn: necked By: RJM Date Checked 5/12/2017 Δ011 Date Issued: 5/12/2017

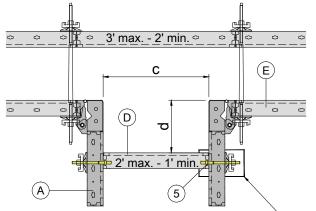
See Detail 17 to 17B on sht. A010

90° Corner: Up to 30" wall thickness

See Detail 17 to 17B on sht. A010





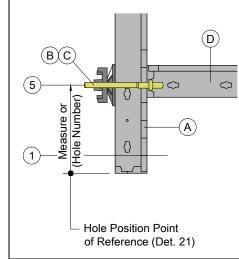


c ... 24" (61.0cm) - 12" (30.5cm)

See UFB Detail on this sht. (Typ.)

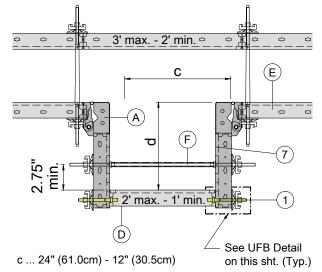
A Frami S Xlife Pilaster Panel (Det. 21)

- B + C Frami univ. fixing bolt 5-12cm + Super-Plate 15.0
- D Frami Xlife panel 2'-0" max. to 1'-0" min.
- E Frami S Xlife panel > 6" (with-out FILLER or J.B.F.)



Pilaster Heights: Imperial (Metric)	Qty. of Universal Fixing Bolt 5-12cm + Super-plate 15.0 per Closed Gang (Pouring Position)
3'-0" (91.4cm)	4 Total (2 per single)
4'-0" (121.9cm)	4 Total (2 per single)
6'-0" (182.9cm)	6 Total (3 per single)
9'-0" (274.3cm)	8 Total (4 per single)

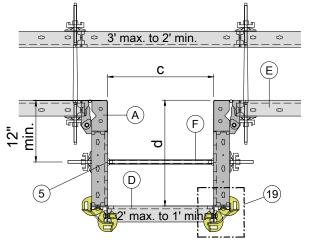
Univ. Fixing Bolt Connection @ Pilaster Form



d ... >12" - 20"

A Frami S Xlife Pilaster Panel (Det. 21)

- B + C Frami univ. fixing bolt 5-12cm + Super-Plate 15.0
- D Frami Xlife panel 2'-0" max. to 1'-0" min.
- E Frami S Xlife panel > 6" (with-out FILLER or J.B.F.)
- F Form-Tie System: Min. 2.75" distance from pilaster face



c ... 24" (61.0cm) - 12" (30.5cm)

d ... 12" (30.5cm) - 24" (61.0cm) shown

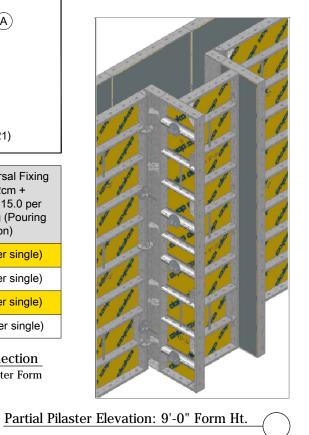
A Frami S Xlife Pilaster Panel (Det. 21)

- (19) Outside Corner Assembly (Det. 19 on A011)
- D Frami Xlife panel 2'-0" max. to 1'-0" min.
- E Frami S Xlife panel > 6" (with-out FILLER or J.B.F.)
- F Form-Tie System: Detail 10 sht. A007

Pilaster Detail: >12" up to 20" Depth (21B)Ref. Detail 21

Pilaster Form Detail: Max. 24" Depth (21C) Ref. Detail 21

> his seal applies only to the application design of equipment provided by Doka USA Ltd. for the loading conditions as indicated herein.



Frami S Xlife F	Panel & Job				
Built Filler Width Chart:					
IMPERIAL	METRIC				
3'-0" Panel	(91.4cm)				
2'-6" Panel	(76.2cm)				
2'-0" Panel	(61.0cm)				
1'-6" Panel	(45.7cm)				
1'-0" Panel	(30.5cm)				
6" Panel / JBF	(15.2cm)				
5 1/2" JBF	(14.0cm)				
5" JBF	(12.70cm)				
4 1/2" JBF	(11.4cm)				
4" JBF	(10.2cm)				
3 1/2" JBF	(8.9cm)				
3" JBF	(7.6cm)				
2 1/2" JBF	(6.4cm)				
2" JBF	(5.1cm)				
1 1/2" JBF	(3.8cm)				
1" JBF	(2.5cm)				
1/2" JBF	(1.3cm)				

							Date:			
S Xlife Panel & Job Filler Width Chart:		\triangle	For general s standard deta sheet(s):		refer to	Please refer to Information" & additional info	k "Operatin	ng Instru	ctions'	' fo
RIAL	METRIC	A	Released for FIEL	.D USE				5/12/2017	AAS	R
anel	(91.4cm)	Δ								
anel	(76.2cm)									
anel	(61.0cm)	Δ								
anel	(45.7cm)	Δ								
anel	(30.5cm)	Δ								
/ JBF	(15.2cm)	No.				visions		Date	Drawn	Che
JBF	(14.0cm)	Maxi	mum Design C	Concrete Pre	ssure =	1000 (48 kN/	<u>m²)</u> P.S.F.	(U.O.N.)		
3F	(12.70cm)				ח	oka USA	Regio	nal O	ffice	,
		1				Ona Cort	i togio	iiai O	11100	•

Eastern Support Group

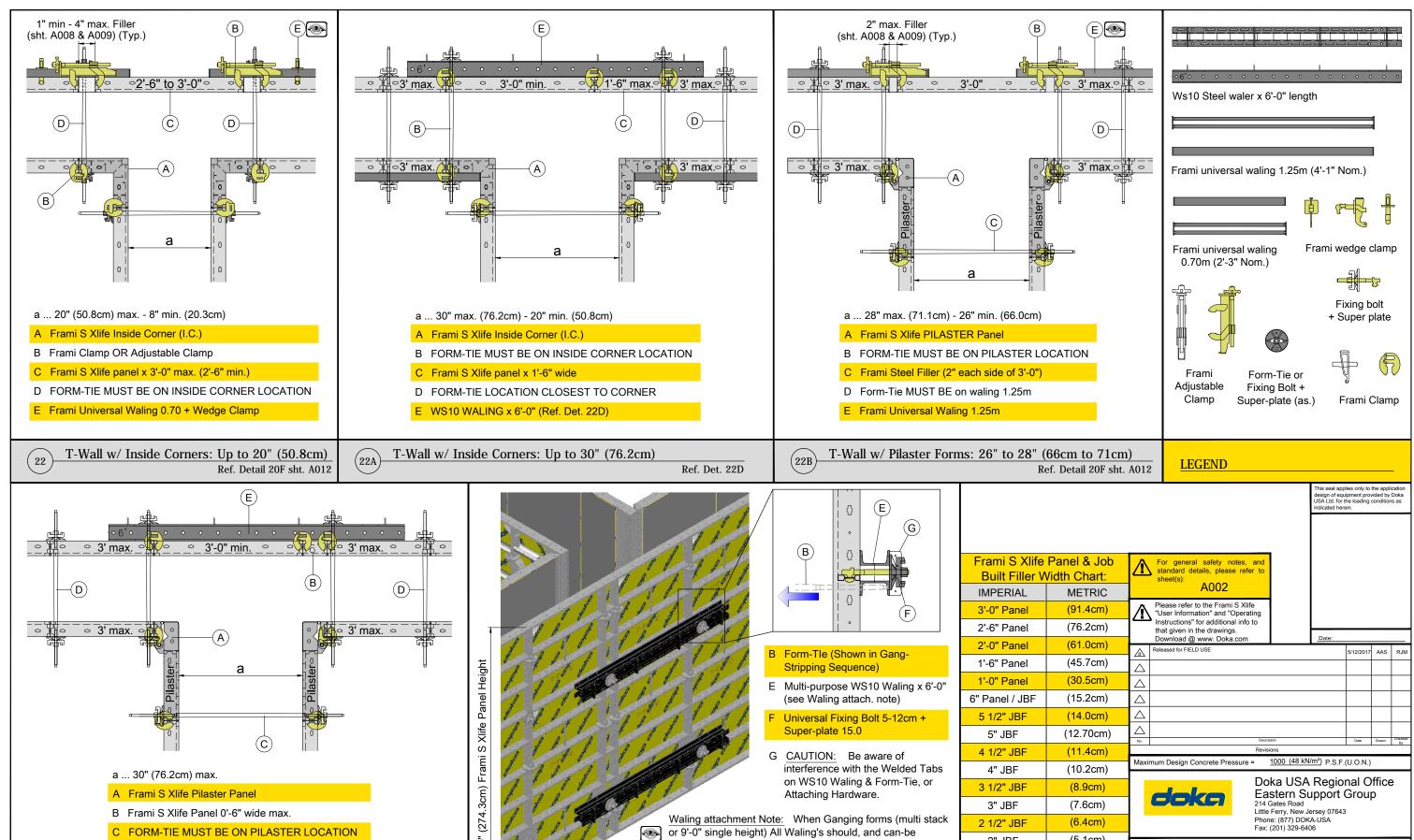
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A013 - Pilaster Details

Frami S Xlife Formwork System Standards

Pilaster Detail: Up to 12" Depth Ref. Detail 21

rawn By: AAS 5/12/2017 Date Drawn: necked By: RJM 5/12/2017 Date Issued: 5/12/2017



T-Wall w/ Pilaster Forms: Up to 30" (76.2cm)

D FORM-TIE LOCATION CLOSEST TO CORNER

E Multi-purpose WS10 Waling x 6'-0" (Ref. Det. 22D)

Ref. Detail 22D

T-Wall: Partial Elevation @ Back Face of Wall Form (22D)

WS10 x 6'-0" waling Detail (Ref. Det. 22A & 22C)

attached to the form-rail, BEFORE Fully Removing the

There is a high Risk of falling objects and harmful injury if

this precaution is ignored! Refer to Detail 20F Sht. A012.

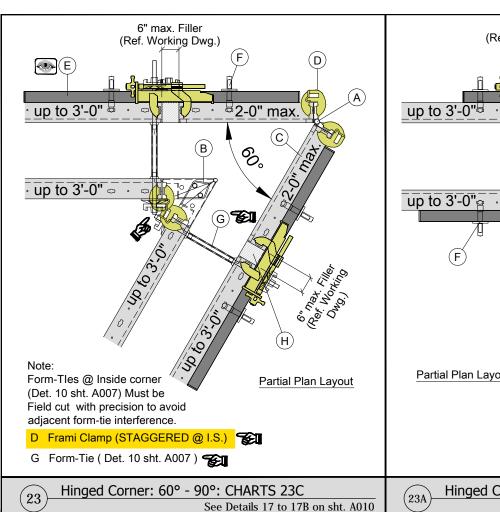
Form-Ties, stripping, and re-setting the gangs by crane.

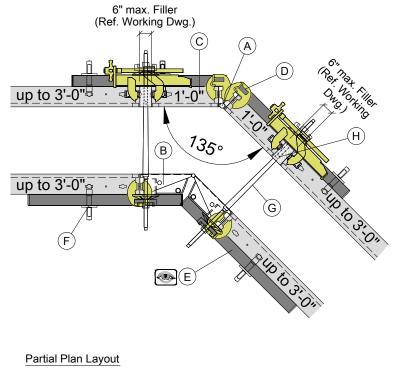
(5.1cm) 2" JBF A014 - T-Wall Details 1 1/2" JBF (3.8cm) Frami S Xlife Formwork System Standards 1" JBF (2.5cm) 1/2" JBF (1.3cm) rawn By: AAS 5/12/2017 Date Drawn: necked By: RJM

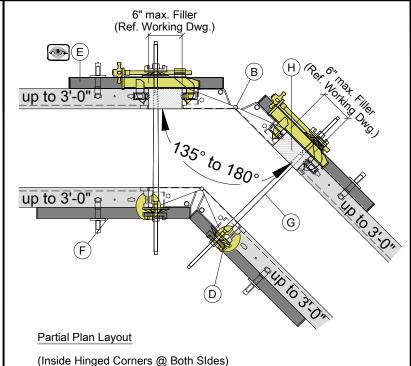
Date Checked

5/12/2017

Date Issued: 5/12/2017







Frami S Xlife Panel & Job Built Filler Width Chart:					
IMPERIAL METRIC		IMPERIAL	METRIC		
3'-0" Panel	(91.4cm)	5 1/2" JBF	(14.0cm)		
2'-6" Panel	(76.2cm)	5" JBF	(12.70cm)		
2'-0" Panel	(61.0cm)	4 1/2" JBF	(11.4cm)		
1'-6" Panel	(45.7cm)	4" JBF	(10.2cm)		
1'-0" Panel	(30.5cm)	3 1/2" JBF	(8.9cm)		
6" Panel / JBF	(15.2cm)	3" JBF	(7.6cm)		
		2 1/2" JBF	(6.4cm)		
		2" JBF	(5.1cm)		
		1 1/2" JBF	(3.8cm)		
		1" JBF	(2.5cm)		
1/2" JBF (1.3cm)					

- A Frami S Hinged Outside Corner
- B Frami S Hinged INSIDE Corner
- C Frami S Xlife Panel (Detail & working dwgs.)
- D Frami Clamp (sht. A007)
- E Frami Universal Waling 0.70
- F Frami Wedge Clamp
- G FORM-TIE THRU HINGED INSIDE CORNER
- H Steel or J.B.F. Filler (See Sht. A008 & A009)

Component

Hinged Corner: 90° - 135°: CHART 23C See Details 17 to 17B on sht. A010 Hinged Corner: 135° - 180°: CHART 23C

UPRIGHT (Vertical)

Panel Height:

Imperial (Metric)

3'-0" (91.4cm)

4'-0" (121.9cm)

6'-0" (182.9cm)

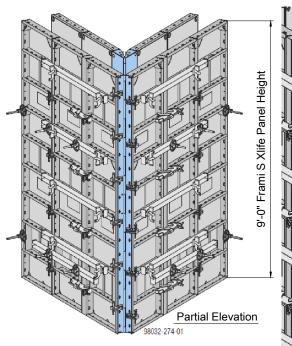
9'-0" (274.3cm)

See Details 17 to 17B on sht. A010

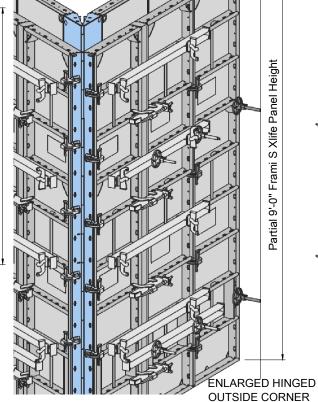
No. of Universal walings (Ref.

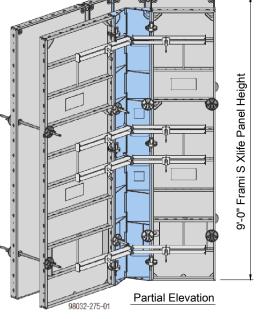
Det. 23, 23A, & 23B)

LEGEND



@ Hinged Outside Corners





@ Hinged Inside Corners

Ref. Chart

Chart: Qty. of Walings at O.S. or I.S. hinged corner SET, (2) Vertical Joints, (above) (!) sht. A008 & A009					
Upright (Vertical) Panel Height	Panel width up to 2'-0" (61.0cm)	Panel width up to 3'-0" (91.4cm)			
3'-0" (91.4cm)	8*	4*			
4'-0" (121.9cm)	8*	6*			
6'-0" (182.9cm)	6*	8*			
9'-0" (274.3cm) 8* 12*					
Chart: Qty. of Frami Clamps at Inside or Outside Hinged					

corner SET (2) Vertical Joints, (above) *sht. A010

4 + (!) if Filler at O.S. Corner For general safety notes, and 4 + (!) if Filler at O.S. Corner Please refer to the Frami S Xlife 4 + (!) if Filler at O.S. Corner "User Information" and "Operating Instructions" for additional info to that given in the drawings. 8 + (!) if Filler at O.S. Corner Download @ www. Doka.co

5/12/2017 AAS RJM

Maximum Design Concrete Pressure = 1000 (48 kN/m²) P.S.F.(U.O.N.)

Doka USA Regional Office



Eastern Support Group 214 Gates Road Little Ferry, New Jersey 07643 Phone: (877) DOKA-USA Fax: (201) 329-6406

This seal applies only to the application design of equipment provided by Doka USA Ltd. for the loading conditions as

A015 - Hinged (Angled) Corner Details

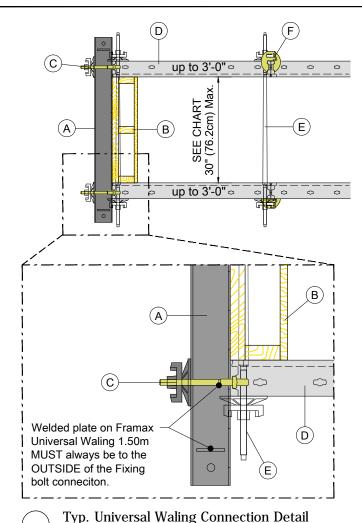
Frami S Xlife Formwork System Standards

At Angled Corners (Ref. Harware Charts this detail)

Ref. Enlarged Detail & Chart

See Details 17 to 17B on sht. A010

Scale:	NTS	Approved:	
Drawn By:	AAS	Date Drawn:	5/12/2017
Checked By:	RJM	Date Checked:	5/12/2017
Sheet No.	A015	Revision:	Date Issued: 5/12/2017

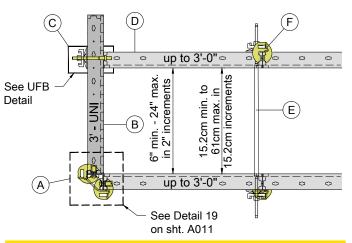


Enlarged Plan View

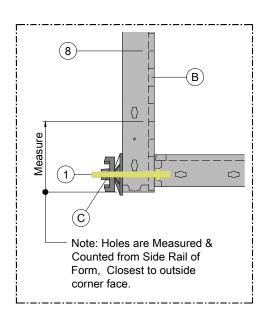
- A Universal Waling: See Chart below
- B Lumber Bulkhead by others: min. 6"
- C Univ. Fixing Bolt 5 -12cm + Super-plate 15.0
- D Frami S Xlife panel: 12" min.- 3'-0" max.
- E Form-Tie Location Closest to Bulkhead: sht. A007
- F Frami Clamp (sht. A007)

Up to 40.6cm wall thickness	Up to 61cm	Up to 71.1cm	Up to 76.2cm
	Wall thickness	Wall thickness	Wall thickness
Up to 16" Wall thickness	Up to 24" Wall thickness	Up to 28" Wall thickness	Up to 30" Wall thickness
3 Frami	5 Frami	4 FRAMAX	5 FRAMAX
Universal	Universal	Universal	Universal
Walings 0.70m	Walings 1.25m	Walings 1.50m	Walings 1.50m
6 Universal	10 Universal	8 Universal	10 Universal
Fixing Bolts +	Fixing Bolts +	Fixing Bolts +	Fixing Bolts +
Super-plate	Super-plate	Super-plate	Super-plate
15.0	15.0	15.0	15.0

Universal Waling Chart: Frami & FRAMAX



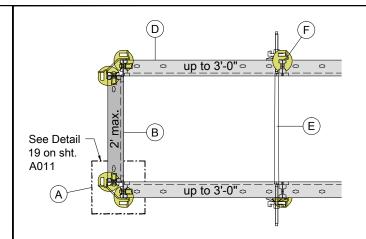
- A Frami Outside Corner: See Chart below
- B Frami S Xlife Universal Panel 3'-0" wide
- C Univ. Fixing Bolt 5 -12cm + Super-plate 15.0 (ref. UFB det.)
- D Frami S Xlife panel: 12" min.- 3'-0" max.
- E Form-Tie Location Closest to Bulkhead: sht. A007
- F Frami Clamp (sht. A007)





Panel Height: Imperial (Metric)	Univ. Fixing Bolt 5-12cm + Super-plate 15.0	Frami Clamp
3'-0" (91.4cm)	2	4
4'-0" (121.9cm)	3	4
6'-0" (182.9cm)	4	6
9'-0" (274.3cm)	6	8

Connections @ Universal Panel & Outside Corner



- A Frami Outside Corner: See Chart below
- B Frami S Xlife Panel: 6" min. 24" max.
- D Frami S Xlife panel: 12" min.- 3'-0" max.
- E Form-Tie Location Closest to Bulkhead:sht. A007
- F Frami Clamp (sht. A007)

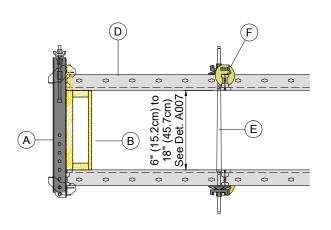
No. of Clamps ne Corner w/ wall							
Panel Height: Imperial (Metric)							
3'-0" (91.4cm)	3'-0" (91.4cm) 4 4 4						
4'-0" (121.9cm)	6	6	6	1) No. of			
6'-0" (182.9cm)	6	8	8 + 4 ¹⁾	Frami Clips needed at 90°			
9'-0" (274.3cm)	10	12	12 + 4 ¹⁾	Outside Corner			

Clamps & Clips Chart @ Outside Conrners: Ref. Det. 19 on A011

Outside Corners: Up to 24" wall thickness See Detail 18 & 18A on sht. A010

Form-Hole Position (inches)	b wall thickness inches (metric +/-)
Hole (1) = 2"	20" (50.80cm) wall
Hole (2) = 4"	18" (45.7cm) wall
Hole (3) = 6"	16" (40.64cm) wall
Hole (4) = 8"	14" (35.6cm) wall
Hole (5) = 10"	12" (30.5cm) wall
Hole (6) = 12"	10" (25.4cm) wall
Hole (7) = 14"	8" (20.32cm) wall
Hole (8) = 16"	6" (15.2cm) wall

Connection Position / Wall thickness: Universal Panel



- A Stop-End Waler Tie: See Chart below
- B Lumber Bulkhead by others: min. 6 3/4"
- D Frami S Xlife panel: 12" min.- 3'-0" max.
- E Form-Tie Location Closest to Bulkhead: sht. A007

F Frami Clamp (sht. A007)								
Panel Ht. (upright pos.)	Stop-End Waler tie 15-45cm	Panel Width (horiz. pos.)	Stop-End Waler tie 15-45cm					
3'-0" (91.4cm)	* '		13-430111					
4'-0" (121.9cm)	2	(15.2cm) to (76.2cm)	1 *)					
6'-0"	2	3'-0"	2					
(182.9cm)	2	*) Footings or grade-beam formwork (single panels 3'-0" or 4'-0"), at least (2)						
9'-0" (274.3cm)	3							
Stop-end Wale	er tie 15-45 cm.	stop-end Wal be used.	er-ties must					

(25C)

This seal applies only to the application design of equipment provided by Doka USA Ltd. for the loading conditions as indicated berein.

Stop-End Waler Tie: 6" to 18" wall thkns. See Detail 18 & 18A on sht. A010

For general safety notes, and standard details, please refer to sheet(s): A002 nformation" & "Operating Instructions" fo additional information: @ www.Doka.com eased for FIELD USE

Maximum Design Concrete Pressure = 1000 (48 kN/m²) P.S.F.(U.O.N.)



Doka USA Regional Office Eastern Support Group

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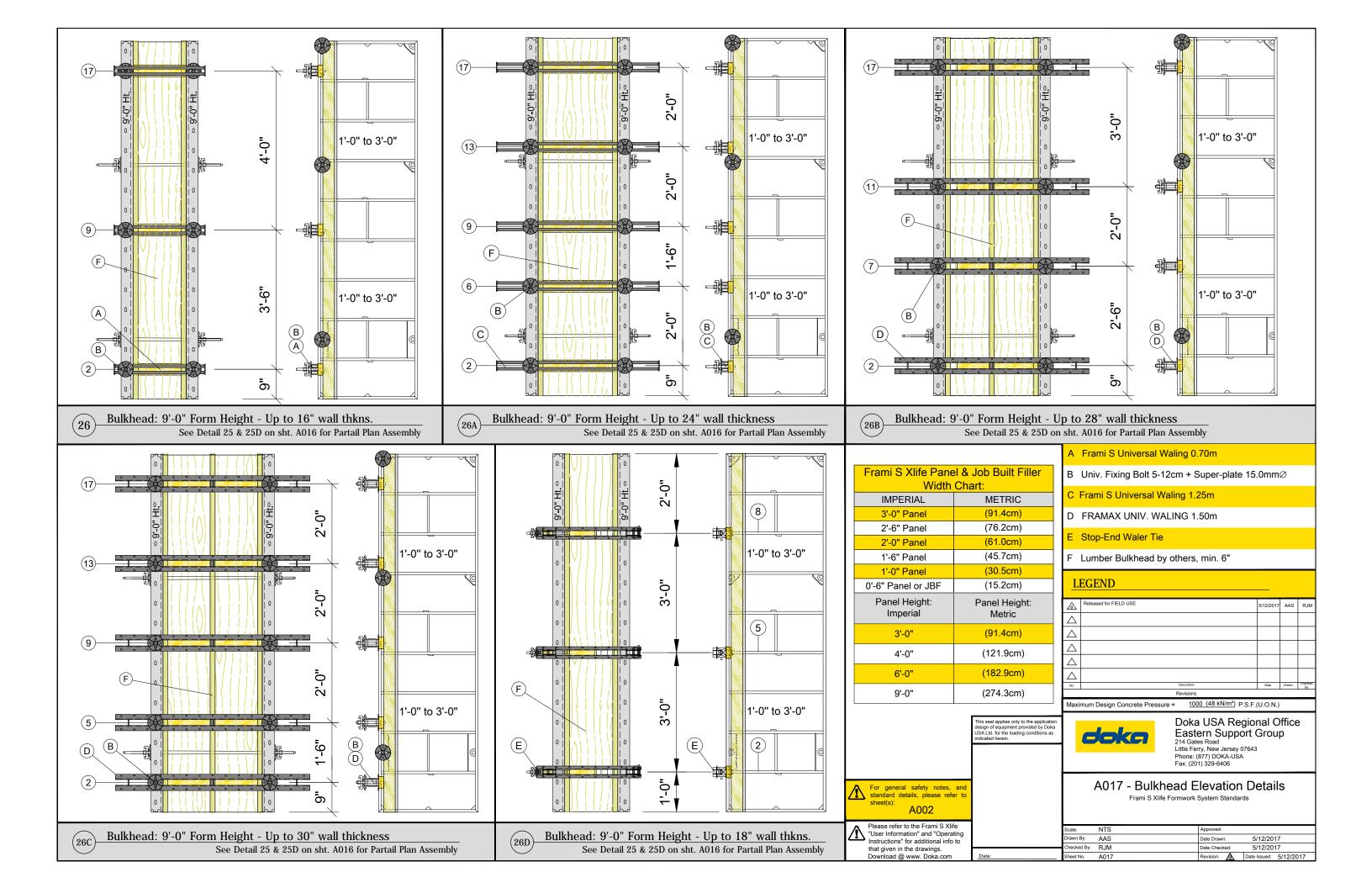
A016 - Bulkhead Details

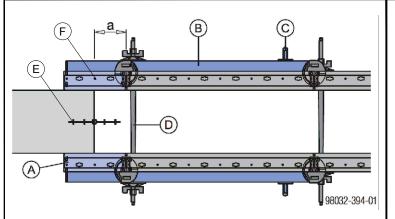
Frami S Xlife Formwork System Standards

NTS rawn By: AAS 5/12/2017 Date Drawn: necked By: RJM 5/12/2017

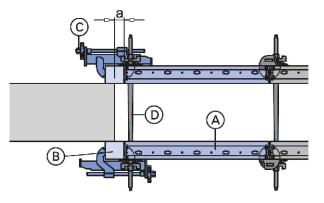
Universal Waling: Up to 30" wall thickness

Universal Panel + Outside Corner: Up to 24"

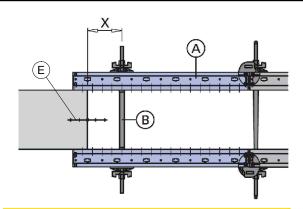




- a ... 8" (20.3 cm) max.
- A Frami S Xlife Panel: 1'-0" (30.5cm) max width
- B Frami Universal Waling 1.25m
- C Frami Wedge Clamp
- D Frami Form-Tie: See sheet A007
- E Horizontal Water Seal: by others
- F Frami S Xlife Panel 1'-0" (30.5cm) min.

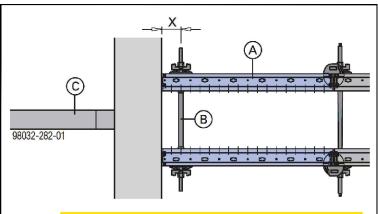


- a ... 2" (5cm) max.
- A Frami S Xlife Panel: 3'-0" (91.4cm) max width
- B min. 3x4 (Nom.) Dimensional Lumber: by others
- C Frami Adjustable Clamp
- D Frami Form-Tie: See sheet A007



- A Frami S Xlife Universal Panel: 3'-0" (91.4cm) width
- B Frami Form-Tie: See Det. 10 on sheet A007
- E Horizontal Water Seal: by others

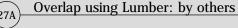
	Number of 15mmØ Form-Tle Req'd per Ht:							
Form-Tie position "X"	3'-0" (91.4cm) Ht.	4'-0" (121.9cm) Ht.	6'-0" (182.9cm) Ht.	9'-0" (274.3cm) Ht.				
up to 6" (15.2 cm)	2	2	3	4				
up to 10" (25.4cm) max.	2	2	4	6				



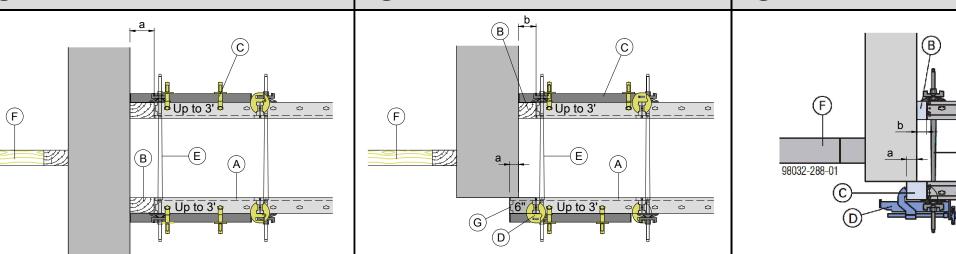
- A Frami S Xlife Universal Panel: 3'-0" (91.4cm) width
- B Frami Form-Tie: See Det. 10 on sheet A007
- C Wall bracing for existing wall by others. Min. Required SWL Design: 1,200 psf. (57.5 kN/m²)

	Number of 15mmØ Form-Tle Req'd per Ht:							
Form-Tie position "X"	3'-0" (91.4cm) Ht.	9'-0" (274.3cm) Ht.						
up to 6" (15.2 cm)	2	2	3	4				
up to 10" (25.4cm) max.	2 2 4 6							

Overlap using Frami S Xlife Panel







- a ... 2" (5cm) min. 4" (10.2cm) max.
- A Frami S Xlife Panel: 3'-0" (30.5cm) max width
- B min. 3x4 (Nom.) Dimensional Lumber: by others
- C Frami Universal Waling 0.75m + (2) Wedge Clamp (Qty. of waling per 9'-0": Ref. Working Dwgs.)
- E Frami Form-Tie: See sheet A007
- F Wall bracing for existing wall by others.

- a ... 2" (5cm) min. b ... 2" (5cm) min. 4" (10.2cm) max.
- A Frami S Xlife Panel: 3'-0" (30.5cm) max width
- B 4" max. Dimensional Lumber: by others
- C Frami Universal Waling 0.75m + (2) Wedge Clamp (Qty. of waling per 9'-0": Ref. Working Dwgs.)
- E Frami Form-Tie: See sheet A007
- F Wall bracing for existing wall by others.
- G Frami S Xlife Panel: 0'-6" (15.2cm) wide

0 . 0 . 0 . 0

- b ... 2" (5cm) min a ... 2" (5cm) min.
- A Frami S Xlife Panel: 3'-0" (30.5cm) max width
- B 2" (5cm) max. Dimensional Lumber: by others
- C 4" min. Dimensional Lumber overlap: by others
- D Frami Adjustable Clamp
- E Frami Form-Tie: See sheet A007
- F Wall bracing for existing wall by others.

T-Wall using Frami Universal Panels



5/12/2017 AAS RJN Δ

Maximum Design Concrete Pressure = 1000 (48 kN/m²) P.S.F.(U.O.N.)



Doka USA Regional Office Eastern Support Group

This seal applies only to the application design of equipment provided by Doka USA Ltd. for the loading conditions as

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A018 - Overlap Details

Frami S Xlife Formwork System Standards

T-Wall using Lumber: by others (27D)

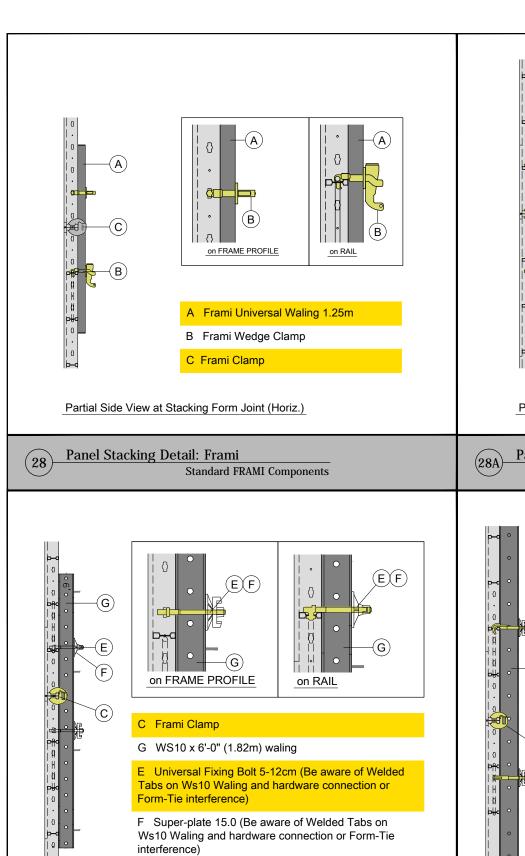
(27E)

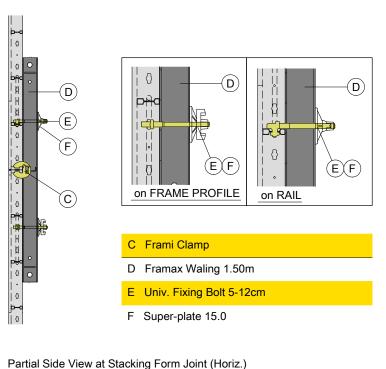
Corners using Frami Panel + Lumber

(27F)

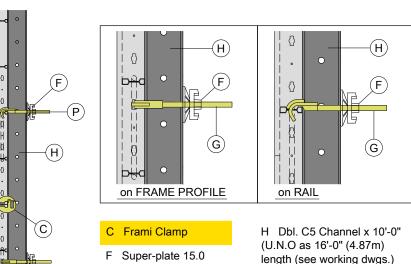
Corners using Lumber: by others

rawn By: AAS 5/12/2017 Date Drawn: hecked By: RJM 5/12/2017





Panel Stacking Detail: Framax Universal Waling 1.50m (4'-11")



P Frami Profile Connector

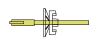
length (see working dwgs.)

NOTE: One Dbl. C5 assembly per EACH PANEL [1'-6" (45.7cm) min. to 3'-0" (76.2cm)] up to a 9'-0" (2.74m) wide gang!

Partial Side View at Stacking Form Joint (Horiz.)

Panel Stacking Detail: DBL. C5 Channel Assembly (OPTIONAL) Stacking Detail w/ Double C5 Channel assembly is OPTIONAL









Frami Clamp

Fixing bolt w/ Super plate

Frami Profile Connector + Super-Plate 15.0

LEGEND

design of equipment provided by Doka USA Ltd. for the loading conditions as indicated herein.

1	For general safety notes, and standard details, please refer to sheet(s): A002	Please refer to the Correlinformation" & "Operation additional information: (ng Instru	ctions	" for
â	Released for FIELD USE		5/12/2017	AAS	RJM
Δ					
Δ					
Δ					
Δ					
Δ					
No.	De	escription	Date	Drawn	Checked By
ı	Re	visions			

aximum Design Concrete Pressure = 1000 (48 kN/m²) P.S.F.(U.O.N.)



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A019 - Form-Gang Elevation & Stacking Details

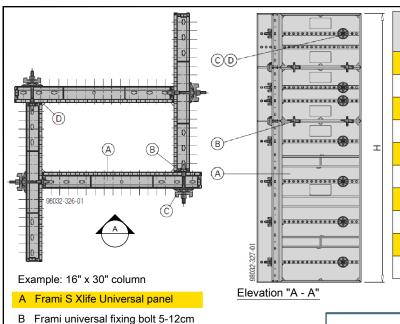
Frami S Xlife Formwork System Standards

Scale:	NTS	Approved:	
Drawn By:	AAS	Date Drawn:	5/12/2017
Checked By:	RJM	Date Checked:	5/12/2017
Sheet No.	A019	Revision:	Date Issued: 5/12/2017

Panel Stacking Detail: WS10

Partial Side View at Stacking Form Joint (Horiz.)

Doka WS10 Waling x 6'-0"



C Super-plate 15.0

D Chamfer by others

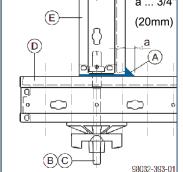
1650 psf (80 kN/m²)

Plan View (up to 32" x 32")

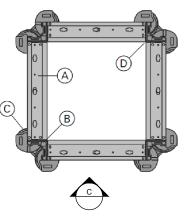
Permitted pressure of fresh concrete:

Form Height (H):		Xlife Universal panels (A)				Frami Clamp (B)	Univ. Fix. Bolt (C)	Super-p late 15.0 (D)
Imperial (Metric)	9'-0"	6'-0"	4'-0"	3'-0"	2'-0"	Fre Cla	J. Ä.	Sup la 15.0
9'-0" (2.74 m)	4						24	24
10'-0" (3.05 m)		4	4			8	28	28
11'-0" (3.35m)	4				4	8	28	28
12'-0" (3.65 m)	4			4		8	32	32
13'-0" (3.96 m)	4		4			8	36	36
14'-0" (4.26 m)	4			4	4	16	36	36
15'-0" (4.57 m)	4	4				8	40	40
16'-0" (4.8 m)	4		4	4		16	44	44
17'-0" (5.18 m)	4	4			4	16	44	44
18'-0" (5.48 m)	8					8	48	48
Table for Calman will be seed Deadle Con Cons. Datell								

Table for Columns w/ Universal Panels: See Conn. Detail



- A Frami S frontal triangular ledge 3/4" (or triangular chamfer)
- B Frami universal fixing bolt 5-12cm
- C Super-plate 15.0
- D Frami S Xlife Universal panel
- E Frami S Xlife Universal panel
- Fixing Bolt Connection SPECIFIC TO THIS COLUMN DESIGN



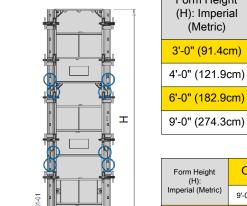
Example: 18" x 18" column

- A Frami S Xlife Panel (max. 3-0")
- B Frami S outside corner
- C Frami clamp

D Frami Clip

Plan View (up to 36" x 36")

Permitted pressure of fresh concrete: 1650 psf (80 kN/m²)



Example: Outside corners 9'-0" with Xlife panels 2'-0"x9'-0" and extra Frami clips Elevation "C - C"

up to 24" (61 cm)

Form Height Frami Clamp (C) Xlife panels (A) 9'-0" 6'-0" 4'-0" 16 24 32 9'-0" (274.3cm) 48

Form Height (H):	Out	side C	Frami Clamp (C)	Frami Clip (D)			
Imperial (Metric)	9'-0"	6'-0"	4'-0"	3'-0"	Fr	Fran (
3'-0" (91.4cm)				4	16	16	
4'-0" (121.9cm)			4		24	16	
6'-0" (182.9cm)		4			32	24	
9'-0" (274.3cm)	4				48	32	

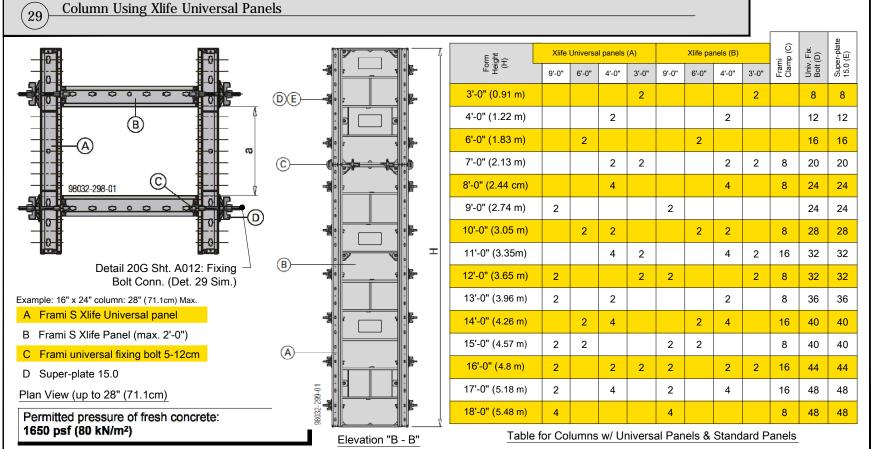
Table for Columns w/ Standard Panels and Outside Corners

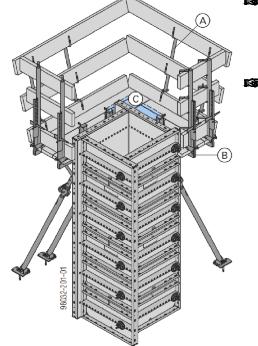
Column Using Outside Corners and Xlife Standard Panels

up to 18" (45.7 cm)

Example: Outside corners 9'-0"

with Xlife panels 1'-6"x9'-0"





To achieve EXACT plumbing & alignment of the COLUMN formwork, the ideal arrangement of the panel struts is as illustrated here.

To obtain the highest possible DIMENSIONAL ACCURACY, the panels must be pushed apart (i.e. towards the outside face of column) while being

design of equipment provided by Doka USA Ltd. for the loading conditions as

assembled.

For general safety notes, and standard details, please refer to Please refer to the Corresponding "User nformation" & "Operating Instructions" fo additional information: @ www.Doka.com ased for FIFI D USF

Maximum Design Concrete Pressure =

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A020 - Column Details

Frami S Xlife Formwork System Standards

Column Overview Information

C Board for screwing the floor planking (by Contractor)

Where the two floor planking units meet, a board

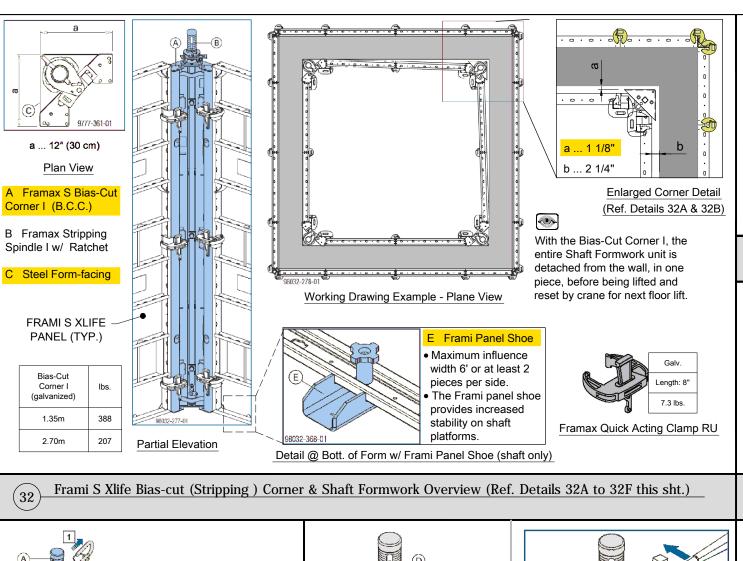
A Frami bracket 60 (floor and railing planking provided at site)

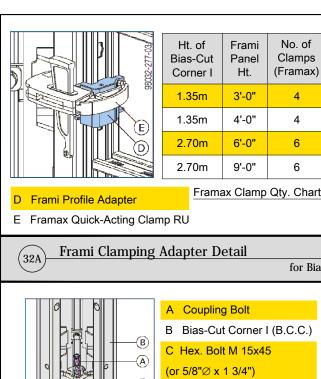
B Handrail clamp S (railing provided at site)

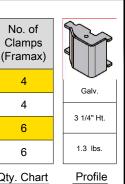
must be screwed onto the underside.

rawn By: AAS 5/12/2017 Date Drawn: necked By: RJM 5/12/2017

Column Using Xlife Universal Panels and Xlife Standard Panels (29B)







4

4

6

6

Adapter

for Bias-cut Corner

Filler Note: Corners (B.C.C.).

When possible, do not place Fillers (steel or Galv. lumber J.B.F.) directly 4 1/2" Ht. next to the Bias-Cut 1 lbs.

> Frami Tie Adapter

F Frami Tie-Adapter for Bias-Cut Corner I

Frami Tying Adapter (Tie thru Frami Only) Detail for Bias-cut Corner

OPERATING ORDER:

Hook on the

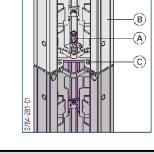
allowed to be

1) Pull out the Coupling Bolt (A).

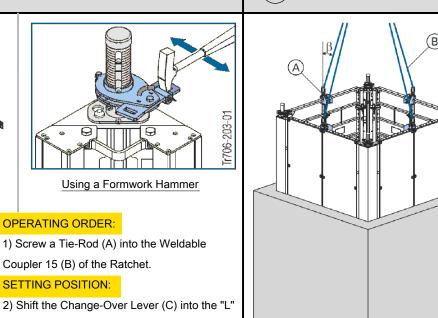
2) Maneuver the B.C.C. into place so that it is flush with the one below it.

3) Push the Coupling Bolt (A) back into position.

4) Bolt the B.C.C. together w/(2) Hex. Bolts (C).

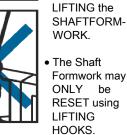


Stacking Bias-Cut Corner Details





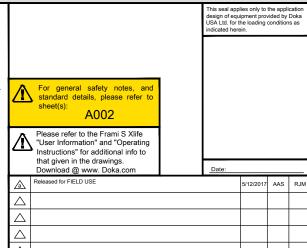




MAX. PERMITTED WEIGHT OF THE SHAFT FORMWORK (SINGLE LIFTING UNIT):

4,400 lbs with (4) Frami Lifting hooks.

· For achieving a better Center of Gravity of Picking (eg. Large Gangs), a Lifting Beam, or Bracket may be used.



Using a Ratchet

A Tie-Rod 15.0mmØ

C Change-Over Lever

B Weldable Coupler 15.0∅

Galvanized Height: 10" 12.1 lbs.

Framax Stripping Spindle w/ Ratchet

position. 3) Turn the Ratchet CLOCKWISE.

> 4) Shift the Change-Over lever into the "R" position.

5) Turn the Ratchet ANTI-CLOCKWISE.

OPERATING ORDER:

SETTING POSITION:

STRIPPING:

Coupler 15 (B) of the Ratchet.

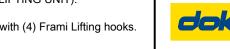
Using a Formwork Hammer

A Frami Lifting Hook

98032-279-0

B Four-part Lifting chain or Equal by others.

angle ... Max. 15°



A021 - Bias-Cut Corner I & Shaft Formwork Details

Maximum Design Concrete Pressure =

Frami S Xlife Formwork System Standards

1000 (48 kN/m²) P.S.F.(U.O.N.)

Eastern Support Group

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Doka USA Regional Office

Mounting Framax Stripping Spindle I (32D)

1) Pull out the U-Bolt (B) from the stripping Spindle (A).

2) Place the Stripping Spindle on the center stud of the

3) Twist the Stripping Spindle clockwise until fully

4) Position the Ratchet between the holes in the

5) Fix the Stripping Spindle (A) with the U-Bolt (B)

D Ratchet

E Push-Rod

A Framax Stripping

OPERATING ORDER:

Bias-Cut Corner

Push-Rod (E).

B U-Bolt

Spindle I w/ Ratchet

Operating the Bias-Cut Corner

Resetting by Crane

(32E)

rawn By: AAS 5/12/2017 Date Drawn necked By: RJM 5/12/2017 Date Issued: 5/12/2017

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