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**Quad-Lock Building Systems**
7398 - 132nd Street
Surrey, BC V3W 4M7
Canada

**DRAWN BY:**

**DATE DRAWN:**

**REVISION NO:**

**SCALE:**

**SHEET SIZE:**

**APPROVED BY:**

**REVISION DATE:**

**DRAWING NO:**

---

**EXTERIOR DOOR JAMB DETAILS**

**WITH STUCCO AND BRICK FINISH**

1. **INTERIOR WALL FINISH - GYPSUM WALLBOARD OR EQ. FASTEN TO PLASTIC TIE FLANGES**
2. **QUAD-LOCK PLASTIC TIE (YELLOW SHOWN) SPACED AT 12" [305mm] O/C VER & HOR**
3. **QUAD-LOCK ULTRA PANEL 3.125" [79mm] THICK EPS**
4. **VERTICAL WALL REINFORCEMENT**
5. **HORIZONTAL WALL REINFORCEMENT**
6. **DOOR TRIM**
7. **SELF EXPANDING SEAL TAPE**
8. **JAMB REINFORCEMENT AS SPECIFIED**
9. **DOOR JAMB**
10. **SHIMS**
11. **CAULKING WITH BACKER ROD**
12. **STUCCO FOAM TRIM - COVERED WITH STUCCO TAPE**
13. **PRESSURE TREATED WOOD BUCK WITH NAILS OR LAG BOLTS FOR SHEAR RESISTANCE**
14. **SELF ADHERED MEMBRANE (SAM) FLASHING APPLY WATER BASED PRIMER ON ALL EXPOSED CONTACT SURFACES - SEE DETAIL QLU-425**
15. **EXTERIOR WALL FINISH - STUCCO**
16. **STANDARD BRICK TIE**
17. **BRICK VENEER**
18. **ICF BRICK TIE - INSERTED PRIOR TO POUR AT SPECIFIED INTERVALS**

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**TIE NAME**

<table>
<thead>
<tr>
<th>TIE NAME</th>
<th>CONCRETE CORE THICKNESS</th>
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<tbody>
<tr>
<td>BLUE TIE =</td>
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</tr>
<tr>
<td>BLACK TIE + XT =</td>
<td>14&quot; [356mm]</td>
</tr>
</tbody>
</table>

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**EXTERIOR DOOR JAMB DETAILS [QLU-401]**

**NOT TO SCALE**

**DATE:** 2018-06-01

**SCALE:** 8.5" x 11" [216mm x 279mm]

**APPROVED ON:** 2018-06-04

**DRAWN BY:** G. KUSTERMANN

**N/A**

**YYMM-DD**

---

*Quad-Lock Building Systems*

IT IS THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.
DOOR THRESHOLD DETAILS
SLAB CONNECTED TO WALL AND BUTTING TO EPS

1. FLOOR TILE FINISH
2. TILE GROUT
3. CEMENT BACKER BOARD
4. SUBFLOOR
5. WOOD I-JOISTS AS SPECIFIED
6. CUT OUT EPS TO ALLOW CONCRETE TO COME TO SURFACE AT BOLT LOCATIONS
7. DOOR THRESHOLD - FASTEN TO CONCRETE
8. APPLY WATER BASED PRIMER ON ALL EXPOSED CONCRETE SURFACES
9. REBAR DOWELS AS SPECIFIED
10. ZERO COMPACTION SAND OR GRAVEL
11. PEEL & STICK WATER PROOFING
12. BACKFILL
13. QUAD-LOCK PLASTIC TIE (GREEN SHOWN) SPACED AT 12" [305mm] O/C VER & HOR
14. HORIZONTAL WALL REINFORCEMENT PLACED ALTERNATELY LEFT AND RIGHT OF VER. REINF.
15. VERTICAL WALL REINFORCEMENT
16. QUAD-LOCK ULTRA PANEL 3.125" [79mm] THICK EPS
17. INTERIOR WALL FINISH - GYPSUM WALLBOARD OR EQ. FASTEN TO PLASTIC TIE FLANGES
18. LEDGER BOARD WITH STUDDED BOLTS AS SPECIFIED
19. CEILING FINISH
20. FURRING FOR CEILING FINISH ATTACHMENT

TIE NAME | CONCRETE CORE THICKNESS
--- | ---
BLUE TIE | 4" [102mm]
YELLOW TIE | 6" [152mm]
GREEN TIE | 8" [203mm]
RED TIE | 10" [254mm]
BROWN TIE | 12" [305mm]
BLACK TIE + XT | 14" [356mm]

CONCRETE CORE THICKNESS

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NOT TO SCALE
1. REINFORCED CONCRETE CORE
2. QUAD-LOCK ULTRA PANEL 3.125" [79mm] THICK EPS
3. VERTICAL & HORIZONTAL WALL REINFORCEMENT
4. QUAD-LOCK PLASTIC TIE (YELLOW SHOWN) SPACED AT 12" [305mm] O/C VER & HOR
5. BASE COAT
6. STUCCO FINISH COAT
7. LINTEL REINFORCEMENT AS SPECIFIED
8. CUT OUT EPS REGLET (~15° SLOPE) AT HEAD TO EXPOSE CONCRETE. REGLET TO EXTEND MIN. 6" [150mm] BEYOND OPENING. RE-INSULATE WITH CUT-OUT EPS OR SPRAY-FOAM. SEE DETAIL QLU-425
9. SELF ADHERED MEMBRANE (SAM) WITH FABRIC SURFACE - CAULKED TO CONCRETE, PRIME ALL CONTACT SURFACES WITH WATER BASED PRIMER. THE PRIMER MUST BE COMPATIBLE WITH ANY CAULKING APPLIED. SEE DETAIL QLU-425
10. EPS STUCCO TRIM
11. BACKER ROD AND SEALANT
12. 'HYBRID' WOOD BUCK WITH SHEAR FASTENERS
13. DOOR FINISH TRIM
14. STOP MOLDING TRIM WITH VINYL SEAL FLAP
15. GARAGE DOOR & HARDWARE
16. ATTACHMENT POINTS AT REQUIRED SPACING: SIMPSON ICFVL OR REMOVE EPS & BUILD OUT WITH WOOD OR BRING CONCRETE TO SURFACE
17. INTERIOR WALL FINISH - GYPSUM WALLBOARD OR EQ. FASTEN TO PLASTIC TIE FLANGES

**QUAD-LOCK R-28 [U-0.21] WALL**

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**GARAGE DOOR DETAILS - HEAD AND JAMB**

- Reinforced concrete core
- Quad-lock ultra panel 3.125" [79mm] thick EPS
- Vertical and horizontal wall reinforcement
- Quad-lock plastic tie (yellow shown) spaced at 12" [305mm] O/C ver & hor
- Base coat
- Stucco finish coat
- Lintel reinforcement as specified
- Cut out EPS reglet (~15° slope) at head to expose concrete. Reglet to extend min. 6" [150mm] beyond opening. Re-insulate with cut-out EPS or spray-foam. See detail QLU-425
- Self-adhered membrane (SAM) with fabric surface - caulked to concrete. Prime all contact surfaces with water based primer. The primer must be compatible with any caulkng applied. See detail QLU-425
- EPS stucco trim
- Backer rod and sealant
- 'Hybrid' wood buck with shear fasteners
- Door finish trim
- Stop molding trim with vinyl seal flap
- Garage door & hardware
- Attachment points at required spacing: Simpson ICFVL or remove EPS & build out with wood or bring concrete to surface
- Interior wall finish - gypsum wallboard or eq. Fasten to plastic tie flanges

Quad-LOCK Building Systems
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Surrey, BC V3W 4M7
Canada

888 711-5625 - Toll Free
604-536-3111
604-590-8412 - fax
www.quadlock.com

G. KUSTERMANN
Z. PROSTRAN

DATE SHOWN: 2018-06-01
SCALE: 8.5" x 11" [216mm x 279mm]
NOT TO SCALE

REVISIONS
YYYY-MM-DD
2018-06-04

APPROVED BY:
G. KUSTERMANN
Z. PROSTRAN

QUAD-LOCK R-28 (U-0.21) WALL

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**Quad-Lock Building Systems**
7398 - 132nd Street
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Canada

**DRAWN BY:**

**DATE DRAWN:**

**REVISION NO:**

**SCALE:**

**SHEET SIZE:**

**APPROVED BY:**

**REVISION DATE:**

**DRAWING NO:**

**888.711.5625 - Toll Free**
**604.590.3111**
**604.590.8412 - fax**
**www.quadlock.com**

**EXTERIOR DOOR HEAD AND JAMB DETAIL**

**DOOR FRAME ATTACHED TO WOOD BUCK**

**Sheet Size:** 8.5" x 11" [216mm x 279mm]

**NOT TO SCALE**

**2018-06-04**

**Z. PROSTRAN**

**G. KUSTERMANN**

**QLU-404**
EXTERIOR DOOR HEAD AND JAMB DETAIL
DOOR FRAME ATTACHED TO INSULATED STEEL STUD BUCK

**QUAD-LOCK R-28 [U-0.21] WALL**

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**CONCRETE CORE THICKNESS**

- 6" [152mm]
- 8" [203mm]
- 10" [254mm]
- 12" [305mm]
- 14" [356mm]

- BLUE TIE = CONCRETE CORE
- YELLOW TIE = CONCRETE CORE
- GREEN TIE = CONCRETE CORE
- RED TIE = CONCRETE CORE
- BROWN TIE = CONCRETE CORE
- BLACK TIE + XT = CONCRETE CORE

**TIE NAME**

- R/O AS SPECIFIED
- SELF ADHERED MEMBRANE (SAM)
- PRIME ALL CONTACT SURFACES WITH WATER BASED PRIMER
- SEE DETAIL QLU-425

**QUAD-LOCK PLASTIC TIE (YELLOW SHOWN)**

- SPACED AT 12" [305mm] O/C VER & HOR
- PLACE INSULATION INSIDE STEEL STUD
- (12.5MM) GYPSUM WALLBOARD
- FASTEN WITH SCREWS INTO QUAD-LOCK TIE FLANGES

**STEEL STUD AS BUCK FORMWORK**

- TO MATCH QUAD-LOCK CONCRETE WIDTH - SEE TABLE
- Door Jamb - Secure to Wood Buck

**INTERIOR**

- Self Adhered Membrane (SAM)
- Prime all contact surfaces with water based primer
- See detail QLU-425

**EXTERIOR**

- Door Sealant
- Backer rod and caulking

**QUAD-LOCK ULTRA PANEL**

- 3.125" [79mm] Thick EPS
- Reinforced Concrete Core

**DRAWN BY:**

- G. Kustermann

**DATE DRAWN:**

- 2018-06-04

**APPROVED BY:**

- Z. Prostran

**APPROVED ON:**

- 2018-06-04
**Quad-Lock R-28 [U-0.21] Wall**

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**Interior Door Jamb Details**

1. **Interior Wall Finish** - Fasten to Plastic Tie Flanges
2. **Quad-Lock Plastic Tie** (Yellow Shown) Spaced at 12" [305mm] O/C Ver & Hor
3. **Quad-Lock Ultra Panel** 3.125" [79mm] Thick EPS
4. **Vertical Wall Reinforcement**
5. **Horizontal Wall Reinforcement**
6. **Door Trim**
7. **Self Expanding Seal Tape**
8. **Jamb Reinforcement as specified**
9. **Door Jamb**
10. **Shims**
11. **Pressure Treated "Internal" Wood Buck with Nails or Lag Bolts for Shear Resistance**
12. **Jamb Extension**
13. **Backer Rod and Caulking**

---

**Concrete Core Thickness**

- [Green Tie] 8"
- [Red Tie] 10"
- [Yellow Tie] 12"
- [Blue Tie] 14"
**WINDOW DETAILS - HEAD, JAMB AND SILL**

**QUAD-LOCK R-28 [U-0.21] WALL**

1. Concrete Core - Reinforcement Omitted For Clarity
3. Quad-Lock Tie (Yellow Shown) @ 12" [305mm] O/C Ver & Hor
4. Stucco Finish Coat
5. Base Coat
6. Self Adhered Membrane (SAM) with Fabric Surface - Caulked to Concrete. Prime all contact surfaces with water based primer. See detail QLU-425
7. Foam Stucco Trim
8. Pressure Treated Internal Wood Buck
9. Backer Rod and Sealant
10. Boxed Window Frame
11. Shims
12. Sealant for Interior Window Trim
13. Interior Wall Finish (Gypsum Wallboard or eq.)
14. Interior Window Trim
15. P.T. Wood Buck With Space for Concrete Pour

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2018-06-04

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NOT TO SCALE

**DIMENSIONS:**

6" [152mm] SEE TABLE

**DRAWN BY:**

Z. PROSTRAN

**APPROVED BY:**

G. KUSTERMANN

**DATE DRAWN:**

2018-06-04

**SCALE:**

8.5" x 11" [216mm x 279mm]

**DRAWING NO.:**

QLU-407
1. Stucco Finish Coat
2. Base Coat
3. Quad-Lock Tie (Yellow Shown) @ 12" [305mm] O/C Ver & Hor
4. Concrete Core - Reinforcement Omitted For Clarity
5. Self Adhered Membrane (SAM) with Fabric Surface. 
   Prime all contact surfaces with water based primer. 
   See detail QLU-425
7. Self Adhering Stucco Tape with Fabric Surface over the Window Flange
8. Pressure Treated "Hybrid" Wood Buck
9. Foam Stucco Trim
10. Backer Rod and Sealant
11. Flanged Window Frame
12. Shims
13. Sealant for Interior Window Trim
14. Interior Wall Finish (Gypsum Wallboard or eq.)
15. Poly-Urethane Tape Installed on Concrete Face of Wood Buck 
   (Head & Jambs) Prior to Pour. This Tape is Not Required for 
   Internal Bucks
16. Interior Window Trim
17. P.T. Wood Buck With Space for Concrete Pour

WINDOW DETAILS - HEAD, JAMB AND SILL
STUCCO FINISH - FLANGED WINDOW FLUSHED - ATTACHED TO WOOD BUCK

QUAD-LOCK R-28 [U-0.21] WALL

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Quad-Lock Ultra Panel - 3.125" [79mm] Thick EPS
Quad-Lock Tie (Yellow Shown) @ 12" (305mm) O/C Ver & Hor
Stucco Finish Coat
Base Coat
Self Adhering Stucco Tape with Fabric Surface
Concrete Brought Out as Waterproof Plane (SEE 12 BELOW)
Foam Stucco Trim
Backer Rod and Sealant
Flanged Window Frame
Shims
Sealant for Interior Window Trim
Apply water based primer on all exposed concrete surfaces (The primer must be compatible with the caulking)
Interior Wall Finish (Gypsum Wallboard or eq.)
Interior Window Trim

QUAD-LOCK R-28 [U-0.21] WALL

TIE NAME CONCRETE CORE THICKNESS
BLUE TIE = 4" [102mm]
YELLOW TIE = 6" [152mm]
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WINDOW DETAILS - HEAD, JAMB AND SILL
STUCCO FINISH - FLANGED WINDOW FLUSHED - ATTACHED TO CONCRETE

2. Quad-Lock Tie (Yellow Shown) @ 12" (305mm) O/C Ver & Hor
3. Stucco Finish Coat
4. Base Coat
5. Self Adhering Stucco Tape with Fabric Surface
6. Concrete Brought Out as Waterproof Plane (SEE 12 BELOW)
7. Foam Stucco Trim
8. Backer Rod and Sealant
9. Flanged Window Frame
10. Shims
11. Sealant for Interior Window Trim
12. Apply water based primer on all exposed concrete surfaces (The primer must be compatible with the caulking)
13. Interior Wall Finish (Gypsum Wallboard or eq.)
14. Interior Window Trim

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2018-06-01
8.5" x 11" [216mm x 279mm]
N/A
YYYY-MM-DD
Z. PROSTRAN
G. KUSTERMANN
QLU-409

NOT TO SCALE
2. Quad-Lock Tie (Yellow Shown) @ 12" [305mm] O/C Ver & Hor
3. Stucco Finish Coat
4. Base Coat
5. Self Adhering Stucco Tape with Fabric Surface
6. Concrete Brought Out as Waterproof Plane (SEE 12 BELOW)
7. Foam Stucco Trim
8. Backer Rod and Sealant
9. Flanged Window Frame
10. Shims
11. Sealant for Interior Window Trim
12. Apply water based primer on all exposed concrete surfaces (The primer must be compatible with the caulking)
13. Interior Wall Finish (Gypsum Wallboard or eq.)
14. Interior Window Trim

QUAD-LOCK R-28 [U-0.21] WALL

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BLUE TIE = 4" [102mm]
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Quad-Lock Ultra Panel - 3.125" [79mm] Thick EPS

Quad-Lock Tie (Yellow Shown) @ 12" [305mm] O/C Ver & Hor

Stucco Finish Coat

Base Coat

Self Adhering Stucco Tape with Fabric Surface

Window Attached Directly to Concrete Which Acts as Waterproof Plane

Apply water based primer on all exposed concrete surfaces (The primer must be compatible with the caulking)

Foam Stucco Trim

Backer Rod and Sealant

Boxed Window Frame

Shims

Sealant for Interior Window Trim

Interior Wall Finish (Gypsum Wallboard or eq.)

Interior Window Trim

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QUAD-LOCK R-28 [U-0.21] WALL

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WINDOW DETAILS - HEAD, JAMB AND SILL

STUCCO FINISH - BOXED WINDOW CENTERED - ATTACHED TO CONCRETE

Quad-Lock Building Systems
7398 - 132nd Street
Surrey, BC V3W 4M7
Canada

888.711.5625 - Toll Free
604.590.3111
604.590.8412 - fax
www.quadlock.com

2018-06-04

N/A

YYYY-MM-DD

Z. PROSTRAN

G. KUSTERMANN
1. Stucco Finish Coat
2. Base Coat
3. Quad-Lock Tie (Yellow Shown) @ 12" (305mm) O/C Ver & Hor
4. Quad-Lock Ultra Panel - 3.125" (79mm) Thick EPS
5. Self-Adhered Membrane (SAM) sealed to concrete. Prime all contact surfaces with water based primer. See detail QLU-425
6. Concrete Core - Reinforcement Omitted For Clarity
7. Pressure Treated "Internal" Wood Buck
8. Foam Stucco Trim
9. Backer Rod and Sealant
10. Flanged Window Frame
11. Shims
12. Sealant for Interior Window Trim
13. Interior Wall Finish (Gypsum Wallboard or eq.)
14. Interior Window Trim
15. 2x Liner for Flanged Window Attachment
16. P.T. Wood Buck With Space for Concrete Pour
1. Concrete Core - Reinforcement Omitted For Clarity
3. Stucco Base Coat
4. Stucco Finish Coat
5. Quad-Lock Tie (Yellow Shown) @ 12" [305mm] O/C Ver & Hor
6. Internal Wood Buck with Shear Fasteners. Sealed with Water Based Liquid Applied Membrane (Ames® Blue Max™ or Eq.)
7. Buck Fasteners with Windlock Plastic Washers
8. Drip Edge Extrusion
9. Water Based Liquid Applied Membrane (Ames® Blue Max™ or Eq.)
10. Self Adhered Membrane (Peel&Stick Approved for flashing)
11. Self Adhering Stucco Tape with Fabric Surface
12. Backer Rod and Caulking
13. Flanged Window Frame - Fasten to Liner
14. Sealant for Window Flange
15. Shims
16. Sealant for Interior Window Trim
17. Double Faced Butyl Tape Between Liquid Waterproofing & Liner
18. Wood or LVL Liner - Fasten to Internal Wood Buck
19. Interior Wall Finish (Gypsum Wallboard or Eq.)
20. Interior Window Trim
21. Wood Buck With Space for Concrete Pour (Double P.T. 2x on Edge )
22. Window Sill/Pan - Natural/Cultured Stone or Metal

**QUAD-LOCK R-28 [U-0.21] WALL**

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**WINDOW DETAILS - HEAD, JAMB AND SILL**

STUCCO FINISH - FLANGED WINDOW CENTERED, ATTACHED TO WOOD BUCK

NOT TO SCALE

N/A

YYYY-MM-DD

Z. PROSTRAN

2018-06-04

G. KUSTERMANN

QUAD-LOCK R-28 [U-0.21] WALL

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STUCCO FINISH - FLANGED WINDOW CENTERED, ATTACHED TO WOOD BUCK

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2. Self Adhered Membrane (SAM) sealed to concrete. Prime all contact surfaces with water based primer. See detail QLU-425
3. Furring Strips - Fasten to Quad-Lock Ties
4. Lapped Siding - Fasten to Furring
5. Quad-Lock Tie (Yellow Shown) @ 12" [305mm] O/C Ver & Hor
6. Starter Strip
7. Sealant
8. Siding Trim
9. Metal Flashing with SAM Counter-Flashing
10. Trim
11. Pressure Treated Internal Wood Buck
12. Backer Rod and Sealant - Between Frame & SAM
13. Shims
14. Boxed Window Frame
15. Sealant for Interior Window Trim
16. Interior Wall Finish (Gypsum Wallboard or eq.)
17. Interior Window Trim
18. Double 2x4 [38mm x 89mm] P.T. Wood Buck with Space for Concrete Pour
19. Exterior Sill Trim

**QUAD-LOCK R-28 [U-0.21] WALL**

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**WINDOW DETAILS - HEAD, JAMB AND SILL**

SIDING FINISH - BOXED WINDOW CENTERED - ATTACHED TO WOOD BUCK

NOT TO SCALE

WINDOW DRAWN BY: Z. PROSTRAN

DATE DRAWN: YYYY-MM-DD

APPROVED ON: 2018-06-04

APPROVED BY: G. KUSTERMANN

DRAWING NO: QLU-413
IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE REGULATIONS AND BUILDING CODE REQUIREMENTS CONCERNING THE USE OF THESE PRODUCTS.

IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.

WINDOW DETAILS - HEAD, JAMB AND SILL
SIDING FINISH - FLANGED WINDOW FLUSHED - ATTACHED TO WOOD BUCK

2. Self Adhered Membrane (SAM) sealed to concrete. Prime all contact surfaces with water based primer. See detail QLU-425
3. Furring Strips - Fasten to Quad-Lock Ties
4. Lapped Siding - Fasten to Furring
5. Quad-Lock Tie (Yellow Shown) @ 12" [305mm] O/C Ver & Hor
6. Starter Strip
7. Sealant
8. Siding Trim
9. Metal Flashing with SAM Counter-Flashing on top sealed to concrete
10. Flanged Window Frame
11. Shims
12. Sealant for Interior Window Trim
13. Backer Rod and Sealant - Between Frame & SAM
14. Hybrid Buck - Pressure Treated 2x
15. Poly-Urethane Tape Installed on Concrete Face of Wood Buck (Head & Jams) Prior to Pour. This Tape is Not Required for Internal Bucks
16. Interior Wall Finish (Gypsum Wallboard or eq.)
17. Interior Window Trim
18. P.T. Wood Buck with Space for Concrete Pour

QUAD-LOCK R-28 [U-0.21] WALL

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NOT TO SCALE

2018-06-04

8.5" x 11" [216mm x 279mm]

 paralysis
2. Lapped Siding Fasten to Furring
3. Self-Adhered Membrane (SAM) sealed to concrete.
   Prime all contact surfaces with water-based primer.
   See detail QLU-425
4. Furring Strips - Fasten to Quad-Lock Ties
5. Quad-Lock Tie (Yellow Shown) @ 12" [305mm] O/C Ver & Hor
6. Starter Strip
7. Sealant
   Concrete brought out as waterproof plane.
   Apply water-based primer on all exposed concrete surfaces (The primer must be compatible with the caulking)
8. Siding Trim
9. Metal Flashing
10. Flanged Window Frame
11. Shims
12. Backer Rod and Sealant
13. Sealant for Interior Window Trim
14. Interior Wall Finish (Gypsum Wallboard or equiv.)
15. Interior Window Trim

**QUAD-LOCK R-28 [U-0.21] WALL**

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**WINDOW DETAILS - HEAD, JAMB AND SILL**

SIDING FINISH - FLANGED WINDOW FLUSHED - ATTACHED TO CONCRETE

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<th>SHEET SIZE</th>
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G. KUSTERMANN

Z. PROSTRAN

2018-06-04

N/A
2. Quad-Lock Tie (Yellow Shown) @ 12" [305mm] O/C Ver & Hor
3. Lapped Siding - Fasten to Furring
4. Furring Strips - Fasten to Quad-Lock Ties
5. Self Adhered Membrane (SAM) sealed to concrete. Prime all contact surfaces with water based primer. See detail QLU-425
6. Apply water based primer on all exposed concrete surfaces. (The primer must be compatible with the caulking)
7. Starter Strip
8. Sealant
9. Siding Trim
10. Metal Flashing
11. Backer Rod and Sealant
12. Flanged Window Frame
13. Shims
14. Sealant for Interior Window Trim
15. Interior Wall Finish (Gypsum Wallboard or eq.)
16. Interior Window Trim

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WINDOW DETAILS - HEAD, JAMB AND SILL
SIDING FINISH - BOXED WINDOW CENTERED - ATTACHED TO CONCRETE

IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE REGULATIONS AND BUILDING CODE REQUIREMENTS CONCERNING THE USE OF THESE PRODUCTS.
IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.
**QUAD-LOCK R-28 [U-0.21] WALL**

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**WINDOW DETAILS - HEAD, JAMB AND SILL**

- **1.** ICF Brick Tie - Size and Spacing as Specified
- **2.** Air Space as Specified
- **3.** Quad-Lock Ultra Panel - 3.125" [79mm] Thick EPS
- **4.** Brick Veneer
- **5.** Self Adhered Membrane (SAM) sealed to concrete. Prime all contact surfaces with water based primer. See detail QLU-425
- **6.** Lintel Steel Angle as Specified
- **7.** Through Wall Flashing as per Code or as Specified
- **8.** Standard Brick Tie as Specified
- **9.** Head Trim
- **10.** Pressure Treated "Hybrid" Wood Buck
- **11.** Backer Rod and Sealant
- **12.** Boxed Window Frame
- **13.** Shims
- **14.** Sealant for Interior Window Trim
- **15.** Poly-Urethane Tape Installed on Concrete Face of Wood Buck (Head & Jambs) Prior to Pour. This Tape is Not Required for Internal Bucks
- **16.** Interior Window Trim
- **17.** Interior Wall Finish (Gypsum Wallboard or eq.)
- **18.** Precast Sill
1. ICF Brick Tie - Size and Spacing as Specified
2. Air Space as Specified
3. Cut Saw Kerf and Insert Flashing with Sealant
4. Brick Veneer
5. Lintel Steel Angle as Specified
6. Through Wall Flashing as per Code or as Specified
7. Standard Brick Tie as Specified
8. Head Trim
9. Window Attached Directly to Concrete Which Acts as Waterproof Plane
   Apply water based primer on all exposed concrete surfaces (The primer must be compatible with the caulking)
10. Backer Rod and Sealant
11. Boxed Window Frame
12. Shims
13. Sealant for Interior Window Trim
14. Interior Window Trim
15. Interior Wall Finish (Gypsum Wallboard or eq.)
16. Precast Sill

It is the responsibility of the user to comply with all applicable regulations and building code requirements concerning the use of these products. It is further the responsibility of the user to research and understand safe methods of use and handling of these products.
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Quad-Lock Building Systems
7388 - 132nd Street
Surrey, BC V3W 4M7
Canada

866 711 5625 - Toll Free
604 590 3111
604 590 8412 - fax
www.quadlock.com

2018-06-01
N/A
8.5" x 11" [216mm x 279mm]
QUAD-LOCK R-28 [U-0.21] WALL
WINDOW DETAILS - HEAD, JAMB AND SILL
BRICK FINISH - BOXED WINDOW FLUSHED - ATTACHED TO WOOD BUCK
2018-06-04
G. KUSTERMANN

WINDOW DETAILS - HEAD, JAMB AND SILL
BRICK FINISH - BOXED WINDOW FLUSHED - ATTACHED TO WOOD BUCK

It is the responsibility of the user to comply with all applicable regulations and building code requirements concerning the use of these products. It is further the responsibility of the user to research and understand safe methods of use and handling of these products.
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1. ICF Brick Tie - Size and Spacing as Specified
2. Air Space as Specified
3. Cut Saw Kerf and Insert Flashing with Sealant
4. Brick Veneer
5. Lintel Steel Angle as Specified
6. Through Wall Flashing as per Code or as Specified
7. Backer Rod and Sealant
8. Boxed Window Frame
9. Window Attached Directly to Concrete Which Acts as Waterproof Plane (see 12 below)
10. Shims
11. Sealant for Interior Window Trim
12. Apply water based primer on all exposed concrete surfaces (The primer must be compatible with the caulking)
13. Interior Wall Finish (Gypsum Wallboard or eq.)
14. Interior Window Trim
15. Brick Sill
16. Standard Brick Tie as Specified

WINDOW DETAILS - HEAD, JAMB AND SILL

BRICK FINISH - BOXED WINDOW FLUSHED - ATTACHED TO CONCRETE

NOT TO SCALE

SCALE: 8.5" x 11" [216mm x 279mm]

QUAD-LOCK R-28 [U-0.21] WALL

TIE NAME     CONCRETE CORE THICKNESS
BLUE TIE     = 4" [102mm]
YELLOW TIE   = 6" [152mm]
GREEN TIE    = 8" [203mm]
RED TIE      = 10" [254mm]
BROWN TIE    = 12" [305mm]
BLACK TIE + XT = 14" [356mm] ETC.
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</tbody>
</table>

**WINDOW DETAILS - HEAD AND JAMB**

**SHUTTER SYSTEM ON OUTSIDE OF WALL**

- Secure shutter frame to concrete backer rod and caulk.
- Window trim.
- Backer rod and caulk.
- Cut out EPS and bring concrete to surface.
- Apply water-based primer on all exposed concrete surfaces (the primer must be compatible with the caulkung).
- Backer rod and caulk.
- Secure boxed window directly into concrete.
- Backer rod and caulk.
- Attach sliding track directly to concrete backer rod and caulk.
- Cutting out EPS and bringing concrete to surface.
- Applying water-based primer on all exposed concrete surfaces (the primer must be compatible with the caulkung).
- Backer rod and caulk.
- Quad-lock plastic tie (yellow shown) spaced at 12" [305mm] O/C VER & HOR.
- Quad-lock ultra panel 3.125" [79mm] thick EPS.
IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE REGULATIONS AND BUILDING CODE REQUIREMENTS CONCERNING THE USE OF THESE PRODUCTS.

IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.

QUAD-LOCK ULTRA PANEL 3.125" [79mm] THICK EPS
CUT OUT EPS ANDbring concrete to surface
APPLY WATER BASED PRIMER ON ALL EXPOSED CONCRETE SURFACES (THE PRIMER MUST BE COMPATIBLE WITH THE CAULKING)
EXTERIOR FINISH AS SPECIFIED
BACKER ROD AND CAULKING
WINDOW TRIM
ATTACH SLIDING TRACK DIRECTLY TO CONCRETE
BACKER ROD AND CAULKING
QUAD-LOCK ULTRA PANEL 3.125" [79mm] THICK EPS

QUAD-LOCK PLASTIC TIE (YELLOW SHOWN) SPACED AT 12" [305mm] O/C VER & HOR
LINTEL REINFORCEMENT AS SPECIFIED

QUAD-LOCK R-28 [U-0.21] WALL
TIE NAME CONCRETE CORE THICKNESS
BLUE TIE = 4'" [102mm] 
YELLOW TIE = 6'" [152mm] 
GREEN TIE = 8'" [203mm] 
RED TIE = 10'" [254mm] 
BROWN TIE = 12'" [305mm] 
BLACK TIE + XT = 14'" [366mm] 

ETC.

QUAD-LOCK PLASTIC TIE (YELLOW SHOWN) SPACED AT 12" [305mm] O/C VER & HOR
WINDOW DETAILS - HEAD AND JAMB
SHUTTER SYSTEM RECESSED IN OPENING

SECURE SHUTTER FRAME TO CONCRETE
SECURE BOXED WINDOW DIRECTLY INTO CONCRETE
BACKER ROD AND CAULKING

GLYSUM WALLBOARD FINISH

APPLY WATER BASED PRIMER ON ALL EXPOSED CONCRETE SURFACES (THE PRIMER MUST BE COMPATIBLE WITH THE CAULKING)

QUAD-LOCK ULTRA PANEL 3.125" [79mm] THICK EPS

LINTEL REINFORCEMENT AS SPECIFIED

BACKER ROD AND CAULKING

WINDOW TRIM

APPLY WATER BASED PRIMER ON ALL EXPOSED CONCRETE SURFACES (THE PRIMER MUST BE COMPATIBLE WITH THE CAULKING)

QUAD-LOCK ULTRA PANEL 3.125" [79mm] THICK EPS
IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE REGULATIONS AND BUILDING CODE REQUIREMENTS CONCERNING THE USE OF THESE PRODUCTS.

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- **Continuous Top of Wall Reinforcement as Specified**
- **Top Lintel Reinforcement as Spec'd by EOR or Local Code**
- **Bottom Lintel Reinforcement as Spec'd by EOR or Local Code**
- **Quad-Lock Tie (Green Shown) Spaced at 12" [305mm] O/C Ver & Hor**
- **Quad-Lock Ultra Panel 3.125" [79mm] Thick EPS**
- **Wall Reinforcement Omitted for Clarity**

**SECTION A-A**

Scale: N.T.S.

**QUAD-LOCK OPENING REINFORCEMENT**

Scale: N.T.S.

**QUAD-LOCK WALL OPENING REINFORCEMENT DETAIL**

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**NOT TO SCALE**

**2018-06-01**

**SCALE**

8.5" x 11" [216mm x 279mm]

** approaches**

**N/A**

**YY-MM-DD**

**2018-06-04**

**APPROVED BY**

Z. PROSTRAN

**APPROVED ON**

2018-06-04

**DRAWING NO**

QLU-423

**Building Systems**

Quad-Lock Building Systems
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**APPROVED BY**

G. KUSTERMANN

**IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE REGULATIONS AND BUILDING CODE REQUIREMENTS CONCERNING THE USE OF THESE PRODUCTS.**

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QUAD-LOCK WALL OPENING REINFORCEMENT DETAIL

QUAD-LOCK R-28 [U-0.21] WALL

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QUAD-LOCK WIRE TOP TIE

MINIMUM CONCRETE LINTEL DEPTH = 8" [203mm]

SECTION A-A

Scale: N.T.S.
**OPENING FLASHING DETAIL**

**STEP 1**
Cut 1" - 2" [25mm to 50mm] tall reglet back to concrete.
Extend reglet beyond window by min. 6" [150mm].

**STEP 2**
Apply water-based primer on all surfaces to be flashed.

**STEP 3**
Apply self-adhered membrane "SAM" flashing at sill.
Extend min. 6" [150mm] onto wall and as required onto sill.

**STEP 4**
Apply SAM flashing at jamb.
Extend min. 6" [150mm] onto wall and as required onto sill.

**STEP 5**
Apply self-adhered membrane SAM flashing at head.
Turn into reglet and secure with caulk to concrete.

**STEP 6**
Insulate with sprayfoam or replace reglet cut out insulation.

**IMPORTANT NOTES:**

1. Hybrid and external wood bucks must have poly-urethane tape installed on concrete face of wood buck (head and jambs) prior to pour. This tape is not required for internal bucks which is shown in 5 steps on this page.

2. SAM flashing (caulked to concrete at reglet) is required for all 3 types of bucks shown above. Prime all surfaces (wood, EPS & concrete) with water-based primer prior to applying the SAM.

3. If window/door frame is caulked directly to primed concrete surface, SAM flashing can be omitted.

4. Window/door frames must be caulked (with backer rods) either directly to primed concrete or to SAM flashing.

5. Flanged windows to have one additional SAM layer at head over the flange - caulked to concrete.

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DATE DRAWN: 2018-06-04
DRAWN BY: Z. PROSTRAN
APPROVED ON: 2018-06-04
APPROVED BY: G. KUSTERMANN

QUAD-LOCK
Building Systems

8.5" x 11" [216mm x 279mm]
NOT TO SCALE

QUAD-LOCK
Building Systems