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4"x3"x3"x43mil [100mmx100mmx75mmx1.1mm]
STEEL ANGLE WITH 6 NAILS ON BOTH SIDES OF RAFTER
SEE IRC SECTION R-611 OR AS SPECIFIED

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

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604.590.8412 - fax
www.quadlock.com

2018-06-04

G. KUSTERMANN

Z. PROSTRAN

ROOF EVE DETAIL WITH METAL STRAP
ROOF RAFTERS PERPENDICULAR TO QUAD-LOCK WALL

SEE TABLE

NOT TO SCALE
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ROOF GABLE DETAIL WITH RAFTERS

ROOF RAFTERS PARALLEL TO QUAD-LOCK WALL

ANCHOR BOLT - SEE IRC SECTION R611 DIAMETER AND SPACING AS SPECIFIED MIN. 7" [180mm] EMBEDMENT DEPTH W/ MIN. 3"x3"x1/4" [75mm x 75mm x 6mm] WASHER OR AS SPECIFIED BY EOR

MITER CUT INSIDE OF QUAD-LOCK PANELS

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

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

SEE TABLE

SEE TABLE

ANGLE BRACKET - SIMPSON A34 OR EQ.

BLOCKING AS SPECIFIED

ATTIC INSULATION AS SPECIFIED

ENGINEERED ROOF TRUSS AS SPECIFIED

ROOF SHEATHING AS SPECIFIED

BLOCKING AT GABLE END AS SPECIFIED - 1 BAY MIN OR AS REQ.

OUTRIGGERS AS SPECIFIED

ROOFING MEMBRANE AS SPECIFIED

FURRING FOR CEILING FINISH ATTACHMENT

CEILING FINISH AS SPECIFIED

VAPOR BARRIER AS SPECIFIED

43 MIL. [1.1mm] CONTINUOUS ANGLE AS SPECIFIED

SILL PLATE WITH SILL SEALER AS SPECIFIED

2" [12.5mm] GYPSUM WALLBOARD FASTEN TO QUAD-LOCK PLASTIC TIE FLANGES

VERTICAL AND HORIZONTAL WALL REINFORCEMENT

QUAD-LOCK PLASTIC TIE SPACED AT 12" [305mm] O/C VER & HOR

BASE COAT AS SPECIFIED

ROOF TILES AS SPECIFIED

ROOF MEMBRANE AS SPECIFIED

43 MIL. CONTINUOUS ANGLE AS SPECIFIED

TENSION TIE AS SPECIFIED

CONCRETE CORE THICKNESS

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ROOFRAFTERS PARALLEL TO QUAD-LOCK WALL

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

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

BASE COAT WRAPS OVER TOP OF WALL

EXTERIOR FINISH AS SPECIFIED

QUAD-LOCK PLASTIC TIE
SPACED AT 12" [305mm] O/C VER & HOR

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ROOF SHEATHING AS SPECIFIED

BLOCKING AT GABLE END
AS SPECIFIED - 1 BAY MIN OR AS REQ.

MOISTURE BARRIER

ATTIC INSULATION AS SPECIFIED

CEILING FINISH AS SPECIFIED

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SECURE WHALER INTO QUAD-LOCK TIE FLANGES
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2" [12.5mm] GYPSUM WALLBOARD
FASTEN TO QUAD-LOCK PLASTIC TIE FLANGES

VERTICAL AND HORIZONTAL WALL REINFORCEMENT

QUAD-LOCK PLASTIC TIE SPACED AT 12" [305mm] O/C VER & HOR

SEE TABLE

3 1/2" [79mm]

FACE COAT WRAPS OVER TOP OF WALL

EXTerior FINISH AS SPECIFIED

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ETC.

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

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CUT SAW KERF AND SECURE FLASHING WITH CAULKING

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REMOVE FOAM AND INSERT WOOD BLOCKING PRE-DRILL AND FASTEN WITH ANCHOR BOLTS

---

ATTACH ROOF CONSTRUCTION TO BLOCKOUTS

---

2½ [12.5mm] GYPSUM WALLBOARD FASTEN TO QUAD-LOCK PLASTIC TIE FLANGES

---

VERTICAL AND HORIZONTAL WALL REINFORCEMENT

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QUAD-LOCK METAL TRACK

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ENGINEERED I-JOISTS AS SPECIFIED

---

QUAD-LOCK WIRE TOP TIE

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ANCHOR BOLT - SEE IRC SECTION R611 DIAMETER AND SPACING AS SPECIFIED MIN. 7” [180mm] EMBEDMENT DEPTH WITH MIN. 3”x3”x5/32” [75mm x 75mm x 6mm] WASHER OR AS SPECIFIED BY EOR

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ROOF & FLOOR SECTION AT BAY OVERHANG

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SEE TABLE

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PLASTIC TIE (YELLOW SHOWN) AT 12” [305mm] O/C VER & HOR

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

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SILL PLATE WITH SILL SEALER AS SPECIFIED

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STUCCO TERMINATION DRIP LEDGE

---

GUTTER

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SUB-FASCIA

---

ROOF SHEATHING AS SPECIFIED

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ROOFING MEMBRANE AS SPECIFIED

---

ROOF TILES AS SPECIFIED

---

INSULATION AS SPECIFIED

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RIMBOARD AS SPECIFIED

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INSULATION AS SPECIFIED

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BASE COAT

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INTERIOR FINISH

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STUDS & INSULATION

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BOTTOM PLATE

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EXTERIOR FINISH AS SPECIFIED

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VAPOR BARRIER AS SPECIFIED

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FASTEN F-CHANNEL INTO QUAD-LOCK TIE FLANGES OR DIRECTLY INTO CONCRETE

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SUB-FASCIA

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FASCIA

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SOFFIT

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FASICA

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B | 
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P.T. WOOD BUCK

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MEDIUM DENSITY SPRAY POLYURETHANE FOAM (MDSPF)

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PRE-DRILL AND FASTEN WITH ANCHOR BOLTS

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EXTERIOR FINISH AS SPECIFIED
SIP ROOF TO QUAD-LOCK WALL DETAIL
FLAT SILL PLATE METHOD

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Blockings as specified
Void for wiring - insulate with medium density spray polyurethane foam (MDSPF)
Double sill plate with sill sealer as specified
Anchor bolt - see IRC section R611 diameter and spacing as specified min. 7" [180mm] embedment depth with min. 3"x3" [75mm x 75mm x 6mm] washer or as specified by EOR
Miter cut inside of Quad-Lock panels
Exterior finish as specified
Quad-Lock Ultra Panel 3.125" [79mm] thick EPS
SIP screw as specified
Roofing membrane as specified
Soffit
Fascia
Gutter
Flashing
SIP panel
As specified
Ceiling finish as specified
Vapor barrier as specified
Blocking as specified
Vertically and horizontally wall reinforcement
Quad-Lock plastic tie spaced at 12" [305mm] o/c ver & hor
Exterior finish as specified
Base coat wraps over top of wall
Sealant beads between lumber to lumber and lumber to SIP connections
Fasten F-channel into Quad-Lock tie flanges or directly into concrete
See Table
**QUAD-LOCK R-28 [U-0.21] WALL**

<table>
<thead>
<tr>
<th>TIE NAME</th>
<th>CONCRETE CORE THICKNESS</th>
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<tr>
<td>BLUE TIE</td>
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<tr>
<td>BLACK TIE + XT</td>
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**SIP ROOF TO QUAD-LOCK WALL DETAIL**

**SLOPED SILL PLATE METHOD**

- **ROOFING MEMBRANE** as specified
- **ROOF TILES** as specified
- **SIP SCREW** as specified
- **BASE COAT** wraps over top of wall
- **SEALANT BEADS** between lumber to lumber and lumber to SIP connections
- **FLASHING**
- **GUTTER**
- **FASCIA**
- **SOFFIT**
- **BLOCKING FOR FASCIA SUPPORT**
- **FASTEN F-CHANNEL INTO QUAD-LOCK TIE FLANGES OR PROVIDE BLOCKING AT REQUIRED SPACING OR DIRECTLY INTO CONCRETE**
- **CEILING FINISH** as specified
- **VAPOR BARRIER** as specified
- **BLOCKING** as specified
- **VOID FOR WIRING** - insulate with medium density spray polyurethane foam (MDSPF)
- **CUSTOM CUT QUAD-LOCK PANELS** at required pitch pour top of wall sloped
- **DOUBLE SILL PLATE WITH SILL SEALER** as specified
- **ANCHOR BOLT** - see IRC section R611 diameter and spacing as specified min. 7" [180mm] embedment depth with min. 3"x3"x[1/4]" [75mm x 75mm x 6mm] WASHER or as specified by EOR
- **2\[1/2"] [12.5mm] GYPSUM WALLBOARD**
- **FASTEN TO QUAD-LOCK PLASTIC TIE FLANGES**
- **VERTICAL AND HORIZONTAL WALL REINFORCEMENT**
- **QUAD-LOCK PLASTIC TIE** spaced at 12" [305mm] O/C VER & HOR
- **QUAD-LOCK ULTRA PANEL** 3.125" [79mm] THICK EPS
- **VAPOR BARRIER** as specified
- **ANCHOR BOLT** - see IRC section R611 diameter and spacing as specified min. 7" [180mm] embedment depth with min. 3"x3"x[1/4]" [75mm x 75mm x 6mm] WASHER or as specified by EOR
- **CUSTOM CUT QUAD-LOCK PANELS** at required pitch pour top of wall sloped
- **DOUBLE SILL PLATE WITH SILL SEALER** as specified
- **BLOCKING** as specified
- **VOID FOR WIRING** - insulate with medium density spray polyurethane foam (MDSPF)

**NOTES**

- **SEE TABLE** 3 1/8" [79mm]
- **SEE TABLE** 3 1/8" [79mm]

---

**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

---

**DATE DRAWN:** 2018-06-01
**DRAWN:** N/A
**SCALE:** 8.5" x 11" [216mm x 279mm]
**NOT TO SCALE**

**REVISION DATE:** 2018-06-01
**APPROVED ON:** 2018-06-04
**APPROVED BY:** G. KUSTERMANN
**DRAWING NO:** QLU-507

---

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ROOF TRUSS TO QUAD-LOCK WALL DETAIL

VERTICAL TRUSS LEG FORMS THE PARAPET WALL

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

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Drawing by: G. Kustermann

2018-06-04

N/A

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

Z. Prostran

2018-06-04

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FLAT ROOF TO QUAD-LOCK WALL DETAIL
JOISTS PERPENDICULAR TO WALL

- SEE TABLE
- MIN. 2% DRAIN SLOPE OR AS SPECIFIED
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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---

**OPEN WEB STEEL JOIST ROOF DETAIL**

OWSJ'S PERPENDICULAR TO WALL

---

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

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**CONCRETE CORE THICKNESS**

- BLUE TIE
- YELLOW TIE
- GREEN TIE
- RED TIE
- BROWN TIE
- BLACK TIE + XT

---

**TIE NAME**

- BLUE TIE
- YELLOW TIE
- GREEN TIE
- RED TIE
- BROWN TIE
- BLACK TIE + XT

---

**PLACEMENT**

- OPEN WEB STEEL JOISTS (OWSJ) AS SPECIFIED
- STEEL ANGLE WITH CONCRETE ANCHOR BOLTS AS SPECIFIED
- REMOVE EPS AT EVERY JOIST LOCATION OR CONT. STRIP SHEATHING (FOR TORCH ON ROOFING) AS SPECIFIED
- CORRUGATED STEEL DECK AS SPECIFIED
- ROOFING MEMBRANES/FINISH AS SPECIFIED

---

**DETAILS**

- STEEL ANGLE (WELDED TO TOP OF OWSJ CORDS)
- INSULATION AS SPECIFIED
- SHEATHING (FOR TORCH ON ROOFING) AS SPECIFIED
- FURRING FOR CEILING FINISH ATTACHMENT

---

**NOTES**

- QUAD-LOCK METAL TRACK
- QUAD-LOCK WIRE TOP TIES
- BLOCKING AS SPECIFIED
- PEEL & STICK FLASHING AT TOP OF QUAD-LOCK WALL
- QUAD-LOCK ULTRA PANEL 3.125" [79mm] THICK EPS
- QUAD-LOCK PLASTIC TIE (YELLOW SHOWN) SPACED AT 12" [305mm] O/C VER & HOR
- 3/4" [19mm] GYPSUM WALLBOARD FASTEN WITH SCREWS INTO QUAD-LOCK TIE FLANGES
- 1/2" [12.5mm] CONCRETE CORE THICKNESS
- FASTEN WITH SCREWS INTO QUAD-LOCK TIE FLANGES
- QUAD-LOCK WIRE TOP TIES
- P.T. NAILER WITH ANCHOR BOLTS AS SPECIFIED
- BLOCKING AS SPECIFIED

---

**drawer**

- QUAD-Lock R-28 [U-0.21] WALL
- OPEN WEB STEEL JOIST ROOF DETAIL
- OWSJ'S PERPENDICULAR TO WALL

---

**Drawing No:** QLU-511

**Date:** 2018-06-04

**Approved By:** G. KUSTERMANN

---

**Dimensions:**

- 8.5" x 11" [216mm x 279mm]
HOLLOW CORE PRECAST PANEL ROOF DETAIL

PANELS PERPENDICULAR TO WALL

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

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ITALIAN: 

ST. STEEL EYE BOLT WITH ST. STEEL DOWEL
METAL GUARDRAIL
3-WAY METAL CAP FLASHING - FASTEN INTO QUAD-LOCK METAL TRACK
CUT OUT EPS HOLES AND POUR CONCRETE AT EVERY EMBLE PLATE
STEEL EMBLE PLATE WITH NELSON STUDS FOR RAILING ATTACHMENT
PLATE FACE TO FLUSHED FACE OF QUAD-LOCK EPS
CAP FLASHING - LAP OVER EMBLE PLATE
STUCCO FINISH AS SPECIFIED
2 PART PERIMETER METAL CAP FLASHING
INVERTED ROOF MEMBRANE ASSEMBLY (IRMA) AS SPECIFIED
PAVERS AS SPECIFIED
ADJUSTABLE PEDESTALS
INSULATION AS SPECIFIED
FILTER FABRIC
WATERPROOFING MEMBRANE
DRAINAGE MAT
FURRING FOR CEILING FINISH ATTACHMENT
HOLLOW CORE PRECAST PANEL AS SPECIFIED
BREAK SKIN ON TOP OF EACH CORE AND FILL WITH CONCRETE
BEARING PAD AND BEARING DISTANCE AS SPECIFIED
QUAD-LOCK ULTRA PANEL
3.125" [79mm] THICK EPS
QUAD-LOCK PLASTIC TIE (YELLOW SHOWN)
SPACED AT 12" [305mm] O/C VER & HOR
2" [12.5MM] GYPSUM WALLBOARD
FASTEN WITH SCREWS INTO QUAD-LOCK TIE FLANGES

3/4" [79mm] SEE TABLE
3/4" [79mm]

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G. KUSTERMANN
2018-06-04
QUAD-LOCK R-28 [U-0.21] WALL

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