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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 Building Systems
19402 - 56 Ave
Surrey, BC V3S 6K4
Canada
888.711.5625 - Toll Free
604.590.3111
604.590.8412 - fax
www.quadlock.com

2015-01-15
R1
8.5" x 11" [216mm x 279mm]
2021-10-01
Z. PROSTRAN
G. KUSTERMANN
7" [178mm] QUAD-DECK PANEL
MOLDED FROM EXPANDED POLYSTYRENE
HAVING AN AVERAGE DENSITY OF 1.25 pcf [20 g/l]

CONTINUOUS GALVANIZED STEEL Z-FURRING
22 ga [0.85mm] PRE-PUNCHED & MOLDED IN
SERVES AS SECONDARY SHORING & FOR CEILING FINISH ATTACHMENT

QUAD-DECK PANELS ARE CUT TO REQUIRED LENGTHS TO ±0.25" [6mm] PRECISION

Ø4 (Ø20mm) UTILITY CHASE

7" [178mm] Quad-Deck Panel
Scale: N.T.S.
8" [203mm] QUAD-DECK PANEL
MOLDED FROM EXPANDED POLYSTYRENE
HAVING AN AVERAGE DENSITY OF 1.25 pcf [20 g/l]

CONTINUOUS GALVANIZED STEEL Z-FURRING
22 ga [0.85mm] PRE-PUNCHED & MOLDED IN
SERVES AS SECONDARY SHORING & FOR CEILING FINISH ATTACHMENT

QUAD-DECK PANELS ARE CUT TO REQUIRED LENGTHS TO ±0.25" [6mm] PRECISION

1 8" [203mm] Quad-Deck Panel
Scale: N.T.S.
9" [229mm] Quad-Deck Panel

MOLDED FROM EXPANDED POLYSTYRENE HAVING AN AVERAGE DENSITY OF 1.25 pcf [20 g/l]

CONTINUOUS GALVANIZED STEEL Z-FURRING 22 ga [0.85mm] PRE-PUNCHED & MOLDED IN SERVES AS SECONDARY SHORING & FOR CEILING FINISH ATTACHMENT

QUAD-DECK PANEL ARE CUT TO REQUIRED LENGTHS TO ±0.25" [6mm] PRECISION
10" [254mm] Quad-Deck Panel

Continuous Galvanized Steel Z-Furring
22 ga [0.85mm] Pre-punched & Molded In
Serves as secondary shoring & for ceiling finish attachment

Quadr-Deck Panel

Molded from expanded polystyrene
Having an average density of 1.25 pcf [20 g/l]

Quadr-Deck Panels are cut to required lengths to ±0.25" [6mm] precision

10" [254mm] Quad-Deck Panel

Scale: N.T.S.

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2015-01-15
R1
Z. PROSTRAN

2021-10-01
G. KUSTERMAN

10" [254mm] Quad-Deck Panel

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

NOT TO SCALE

Quad-LOCK
Building Systems

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.
11" [279mm] Quad-Deck Panel

MOLDED FROM EXPANDED POLYSTYRENE
HAVING AN AVERAGE DENSITY OF 1.25 pcf [20 g/l]

CONTINUOUS GALVANIZED STEEL Z-FURRING
22 ga [0.85mm] PRE-PUNCHED & MOLDED IN
SERVES AS SECONDARY SHORING & FOR CEILING FINISH ATTACHMENT

scale: N.T.S.

Quad-Deck Panels are cut to required lengths to ±0.25" [6mm] Precision

11" [279mm] Quad-Deck Panel

Scale: N.T.S.
12" [305mm] Quad-Deck Panel

MOLDED FROM EXPANDED POLYSTYRENE
HAVING AN AVERAGE DENSITY OF 1.25 pcf [20 g/l]

CONTINUOUS GALVANIZED STEEL Z-FURRING
22 ga [0.85mm] PRE-PUNCHED & MOLDED IN
SERVES AS SECONDARY SHORING & FOR CEILING FINISH ATTACHMENT

QUAD-DECK PANELS ARE CUT TO REQUIRED LENGTHS TO ±0.25" [6mm] PRECISION

12" [305mm] Quad-Deck Panel

Scale: N.T.S.
12.5" [318mm] Quad-Deck Panel

Molded from expanded polystyrene having an average density of 1.25pcf [20 g/l]

Continuous galvanized steel Z-furring 22 ga [0.85mm] pre-punched & molded in serves as secondary shoring & for ceiling finish attachment

Quad-Deck panels are cut to required lengths to ±0.25" [6mm] precision

Scale: N.T.S.
NOTES:
EPS Top Hats increase Quad-Deck’s effective joist (T-beam) depth which in turn increases live load capacity and clear span of the floor system.
When selecting top hat thickness, pay attention to maximum slenderness (height to width) ratio for concrete joists.

Concrete compressive strength as specified max. 3/8" [10mm] aggregate and 6" [150mm] slump or as per EOR.

EPS Top Hat - QD15-Fabricated
Custom ordered in any height.
Comes in 4' or 8' [1.22m or 2.44m] long sections.
Made from modified expanded polystyrene (EPS - includes flame-retardant).
Density - refer to table below.

Use EPS-compatible glue to secure EPS Top Hats to Quad-Deck Panels (i.e. 3M™ Polystyrene Insulation 78 spray adhesive or Eq.)

Shear stirrup reinforcement as specified (if required)
#3 S-shaped or strips of WWM in accordance with ACI-318.
See drawing QD-808.

Quad-Deck Concretes Joist (Bottom) reinforcement
Min. 3/4" concrete cover for all primary rebar or as per EOR.

Quad-Deck concrete joist (bottom) reinforcement
Min. 3/4" concrete cover for all primary rebar or as per EOR.

Quad-Deck panel width = 2'-0" [610mm]
(Concrete Joist C/C Distance)

Quad-Deck panel thickness
2' [61mm]

Quadr-Deck panel thickness
18" [457mm]

2' [61mm]

1'-3 1/2" [394mm]

1 1/2" [38mm]

2" [51mm]

VARIABLE

Use EPS compatible glue to secure EPS Top Hats to Quad-Deck Panels (i.e. 3M™ Polystyrene Insulation 78 spray adhesive or Eq.)

Shear Stirrup reinforcement as specified (if required)
#3 S-shaped or strips of WWM in accordance with ACI-318.
See drawing QD-808.

<table>
<thead>
<tr>
<th>Product</th>
<th>U.S. EPS Board Type (ASTM C578)</th>
<th>Canada EPS Board Type (CAN/ULC-S701)</th>
<th>Density</th>
<th>Thermal Conductance (per inch [25mm] thickness)</th>
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</thead>
<tbody>
<tr>
<td>EPS Top Hats - ex Surrey BC</td>
<td>Type II</td>
<td>Type 2</td>
<td>min. 1.35 pcf [21.6 kg/m³]</td>
<td>R-4.00 ft.²•h•°F/Btu [RSI-0.7044 K·m²/W]</td>
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<td>EPS Top Hats</td>
<td>Type VIII</td>
<td>Type 1</td>
<td>min. 1.15 pcf [18.4 kg/m³]</td>
<td>R-3.80 ft.²•h•°F/Btu [RSI-0.6692 K·m²/W]</td>
</tr>
<tr>
<td>Quad-Deck</td>
<td>Type VIII</td>
<td>Type 1</td>
<td>avg. 1.25 pcf [20 kg/m³]</td>
<td>R-3.80 ft.²•h•°F/Btu [RSI-0.6692 K·m²/W]</td>
</tr>
</tbody>
</table>

Quad-Deck Building Systems
13452 - 56 Ave
Surrey, BC V3S 6K4
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888.711.5625 - Toll Free
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2015-01-15
R1
Z. PROSTRAN

Quad-Deck Panel Width = 2'-0" [610mm]

Quad-Deck Panel Thickness
2' [61mm]

18" [457mm]

1'-3 1/2" [394mm]

1 1/2" [38mm]

2" [51mm]

VARIABLE
Quad-Deck Rebar Chair - ISO View

Scale: N.T.S.

Quad-Deck Rebar Chair - Clearances

Scale: N.T.S.

Quad-Deck Rebar Chair & Clearances

Quad-Deck Double Rebar Chair
High Density Polyethylene (HDPE)
1 Chair accommodates 2 bars Max #8 [25M] size
To be spaced every 4'-0" [1.2m] O/C max
in Quad-Deck Joists

Void for concrete mix flow

Pins to prevent sliding during pour

Up to #8 [25M] rebar

DRAWN BY: Z. PROSTRAN
DATE DRAWN: 2021-10-01
REVISION NO: R1
SCALE: NOT TO SCALE
SHEET SIZE: 8.5" x 11" [216mm x 279mm]
APPROVED BY: G. KUSTERMANN

Building Systems
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.
NOTE

QUAD-DECK METAL FURRING SERVES TO PROVIDE ATTACHMENT SURFACE FOR CEILING FINISH AS WELL AS TO REINFORCE THE QUAD-DECK PANELS TO REDUCE THE AMOUNT OF SHORING REQUIRED.

THE STRUCTURAL STRENGTH OF QUAD-DECK FLOORS/ROOFS COMES SOLELY FROM CONCRETE AND REBAR REINFORCEMENT.

ZINC COATED SHEET STEEL
0.031" [0.78mm] THICKNESS

Integrated Quad-Deck Metal Furring

Quad-Lock Metal Furring

Building Systems

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SHORING AND BRACING: INSTALLER IS RESPONSIBLE FOR THE DESIGN AND CORRECT INSTALLATION OF SHORING OF QUAD-DECK FORMS IN ACCORDANCE WITH ACI (AMERICAN CONCRETE INSTITUTE) 347-04 "GUIDE TO FORMWORK FOR CONCRETE" OR CURRENT APPLICABLE CODES. ANY VARIANCE FROM THESE STANDARDS MUST BE PROVIDED AND CERTIFIED IN ADVANCE BY A QUALIFIED ENGINEER, LICENSED FOR THE JOBSITE LOCATION AND SPECIFICATIONS.

SHORING COLUMN UNDER BEAMS ARE TYPICALLY SPACED AT 4' - 5' [1.2m - 1.5m] O.C. TO BE CONFIRMED BY THE SHORING PROFESSIONAL.

SHORING BEAM ALWAYS RUNS PERPENDICULAR TO QUAD-DECK PANELS.

ENSURE THAT BASE IS RATED FOR SHORING LOADS IF SHORING RESTS ON COMPACTED FILL USE DOUBLE 2x10 FOR BASE

SHORING AND BRACING:
INSTALLER IS RESPONSIBLE FOR THE DESIGN AND CORRECT INSTALLATION OF SHORING OF QUAD-DECK FORMS IN ACCORDANCE WITH ACI (AMERICAN CONCRETE INSTITUTE) 347-04 "GUIDE TO FORMWORK FOR CONCRETE" OR CURRENT APPLICABLE CODES. ANY VARIANCE FROM THESE STANDARDS MUST BE PROVIDED AND CERTIFIED IN ADVANCE BY A QUALIFIED ENGINEER, LICENSED FOR THE JOBSITE LOCATION AND SPECIFICATIONS.

**Quad-Deck Floor Weights (lb/sqft)**

<table>
<thead>
<tr>
<th>Quad-Deck Panel Thickness</th>
<th>Slab Thickness</th>
<th>2&quot;</th>
<th>3&quot;</th>
<th>4&quot;</th>
<th>5&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td></td>
<td>45.1</td>
<td>57.6</td>
<td>70.1</td>
<td>82.6</td>
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<td>8&quot;</td>
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<td>47.3</td>
<td>59.8</td>
<td>72.3</td>
<td>84.8</td>
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<tr>
<td>9&quot;</td>
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<td>49.5</td>
<td>62.0</td>
<td>74.5</td>
<td>87.0</td>
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<td>91.4</td>
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<td>12&quot;</td>
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<td>56.2</td>
<td>68.7</td>
<td>81.2</td>
<td>93.7</td>
</tr>
<tr>
<td>12.5&quot;</td>
<td></td>
<td>57.3</td>
<td>69.8</td>
<td>82.3</td>
<td>94.8</td>
</tr>
</tbody>
</table>

Notes:
The above are unfactored estimated weights which include concrete (150pcf), reinforcement (3lb/sqft), Quad-Deck Panel (2lb/sqft) and misc. (2lb/sqft)

**Quad-Deck Floor Weights (Kg/m²)**

<table>
<thead>
<tr>
<th>Quad-Deck Panel Thickness</th>
<th>Slab Thickness</th>
<th>50mm</th>
<th>75mm</th>
<th>100mm</th>
<th>125mm</th>
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</thead>
<tbody>
<tr>
<td>178mm</td>
<td></td>
<td>218.8</td>
<td>278.8</td>
<td>338.8</td>
<td>398.8</td>
</tr>
<tr>
<td>203mm</td>
<td></td>
<td>229.6</td>
<td>289.6</td>
<td>349.6</td>
<td>409.6</td>
</tr>
<tr>
<td>228mm</td>
<td></td>
<td>240.4</td>
<td>300.4</td>
<td>360.4</td>
<td>420.4</td>
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<tr>
<td>254mm</td>
<td></td>
<td>251.2</td>
<td>311.2</td>
<td>371.2</td>
<td>431.2</td>
</tr>
<tr>
<td>279mm</td>
<td></td>
<td>262</td>
<td>322</td>
<td>382</td>
<td>442</td>
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<tr>
<td>305mm</td>
<td></td>
<td>272.8</td>
<td>332.8</td>
<td>392.8</td>
<td>452.8</td>
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<tr>
<td>318mm</td>
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<td>278.2</td>
<td>338.2</td>
<td>398.2</td>
<td>458.2</td>
</tr>
</tbody>
</table>

Notes:
The above are unfactored estimated weights which include concrete (2400Kg/m³), reinforcement (15Kg/m²), Quad-Deck Panel (10Kg/m²) and misc. (10Kg/m²)

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**Quad-Deck Shoring Layout**

1. **TYPICAL QUAD-DECK SHORING LAYOUT**
2. REINFORCEMENT OMITTED FOR CLARITY
3. **QUAD-DECK PANEL THICKNESSES:**
   - 7" [178mm]
   - 8" [203mm]
   - 9" [229mm]
   - 10" [254mm]
   - 11" [279mm]
   - 12" [305mm]
   - 12.5" [318mm]
4. **QUAD-DECK SHORING DETAIL**
   - 2" TO 6" [50mm TO 150mm] SLAB THICKNESS RANGE
5. **QUAD-DECK SHORING DETAIL**
   - MAX. 6" [150mm] FROM WALL TO FIRST SHORING BEAM
   - DO NOT RELY ON ICF WALL FORMS AS SUPPORT/SHORING
6. **SHORING AND BRACING:**
   - INSTALLER IS RESPONSIBLE FOR THE DESIGN AND CORRECT INSTALLATION OF SHORING OF QUAD-DECK FORMS IN ACCORDANCE WITH ACI (AMERICAN CONCRETE INSTITUTE) 347-04 "GUIDE TO FORMWORK FOR CONCRETE" OR CURRENT APPLICABLE CODES. ANY VARIANCE FROM THESE STANDARDS MUST BE PROVIDED AND CERTIFIED IN ADVANCE BY A QUALIFIED ENGINEER, LICENSED FOR THE JOBSITE LOCATION AND SPECIFICATIONS.
Quad-Deck with Top Hats Floor Weights (lb/sqft)

<table>
<thead>
<tr>
<th>Thickness</th>
<th>2&quot; Slab</th>
<th>3&quot; Slab</th>
<th>4&quot; Slab</th>
<th>5&quot; Slab</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot; Quad-Deck Panel + 5&quot; Top Hat</td>
<td>64.2</td>
<td>76.7</td>
<td>89.2</td>
<td>101.7</td>
</tr>
<tr>
<td>8&quot; Quad-Deck Panel + 6&quot; Top Hat</td>
<td>67.4</td>
<td>79.9</td>
<td>92.4</td>
<td>104.9</td>
</tr>
<tr>
<td>8&quot; Quad-Deck Panel + 7&quot; Top Hat</td>
<td>70.5</td>
<td>83.0</td>
<td>95.5</td>
<td>108.0</td>
</tr>
<tr>
<td>8&quot; Quad-Deck Panel + 8&quot; Top Hat</td>
<td>73.6</td>
<td>86.1</td>
<td>98.6</td>
<td>111.1</td>
</tr>
<tr>
<td>8&quot; Quad-Deck Panel + 9&quot; Top Hat</td>
<td>76.7</td>
<td>89.2</td>
<td>101.7</td>
<td>114.2</td>
</tr>
<tr>
<td>8&quot; Quad-Deck Panel + 10&quot; Top Hat</td>
<td>79.9</td>
<td>92.4</td>
<td>104.9</td>
<td>117.4</td>
</tr>
<tr>
<td>8&quot; Quad-Deck Panel + 11&quot; Top Hat</td>
<td>83.0</td>
<td>95.5</td>
<td>108.0</td>
<td>120.5</td>
</tr>
<tr>
<td>8&quot; Quad-Deck Panel + 12&quot; Top Hat</td>
<td>86.1</td>
<td>98.6</td>
<td>111.1</td>
<td>123.6</td>
</tr>
</tbody>
</table>

Quad-Deck with Top Hats Floor Weights (Kg/m²)

<table>
<thead>
<tr>
<th>Thickness</th>
<th>50mm Slab</th>
<th>75mm Slab</th>
<th>100mm Slab</th>
<th>125mm Slab</th>
</tr>
</thead>
<tbody>
<tr>
<td>203mm Quad-Deck Panel + 130mm Top Hat</td>
<td>297.4</td>
<td>357.4</td>
<td>417.4</td>
<td>477.4</td>
</tr>
<tr>
<td>203mm Quad-Deck Panel + 150mm Top Hat</td>
<td>302.9</td>
<td>362.9</td>
<td>422.9</td>
<td>482.9</td>
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<tr>
<td>203mm Quad-Deck Panel + 180mm Top Hat</td>
<td>311</td>
<td>371</td>
<td>431</td>
<td>491</td>
</tr>
<tr>
<td>203mm Quad-Deck Panel + 200mm Top Hat</td>
<td>316.5</td>
<td>376.5</td>
<td>436.5</td>
<td>496.5</td>
</tr>
<tr>
<td>203mm Quad-Deck Panel + 230mm Top Hat</td>
<td>324.6</td>
<td>384.6</td>
<td>444.6</td>
<td>504.6</td>
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<tr>
<td>203mm Quad-Deck Panel + 250mm Top Hat</td>
<td>330.1</td>
<td>390.1</td>
<td>450.1</td>
<td>510.1</td>
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<tr>
<td>203mm Quad-Deck Panel + 280mm Top Hat</td>
<td>338.2</td>
<td>398.2</td>
<td>458.2</td>
<td>518.2</td>
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<tr>
<td>203mm Quad-Deck Panel + 300mm Top Hat</td>
<td>343.7</td>
<td>403.7</td>
<td>463.7</td>
<td>523.7</td>
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</tbody>
</table>

Notes:
The above are unfactored estimated weights which include concrete (150pcf), reinforcement (3lb/sqft), Quad-Deck Panel (2lb/sqft) and misc. (2lb/sqft)
**QUAD-DECK PANEL THICKNESSES:**
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**SLAB THICKNESS RANGE**
2" TO 6" [50mm TO 150mm]

**STD. LAP SPLICE**
AT SUPPORT, TYP.

**TOP REINFORCEMENT DOWELS AS SPECIFIED**
TO COINCIDE WITH QUAD-DECK CONCRETE JOISTS
(E.G. #4@24" O/C, 18" INTO WALL & 36" INTO SLAB, COINCIDING WITH TOP OF JOISTS)

**SLAB REINFORCEMENT OMITTED FOR CLARITY**
(E.G. WWM 6X6 OR #3@12" O/C E/W, AT MID DEPTH)

**QUAD-DECK FORM**

**MIN. COVER**
AS SPECIFIED

**MIN. 2" [20mm] CONCRETE COVER**
FOR ALL PRIMARY REBAR OR AS PER EOR

**TOP REINF.**

**TOP LEFT END CONDITION**

**TOP OVER SUPPORT**

**TOP RIGHT END CONDITION**

**BOT. REINF.**

**CONTINUOUS BOTTOM BAR**
LEFT END CONDITION

**CONTINUOUS BOTTOM**

**CONTINUOUS BOTTOM**

**RIGHT END CONDITION**

**BEAM AND JOIST CURTAILMENT RULES**

---

**STD. 90° HOOK**

**DRAWN BY:**

**DRAWING NO:**
R1

**DATE DRAWN:**
2015-01-15

**REVISION NO:**
N/A

**SCALE:**
NOT TO SCALE

**SHEET SIZE:**
8.5" x 11" [216mm x 279mm]

**COMMENTS:**

**APPROVED BY:**
G. KUSTERMANN

**REVISION DATE:**
2021-10-01
QUAD-DECK CONCRETE JOIST REINFORCEMENT DETAIL

FOR SPECIAL CASES ONLY

BEAM AND JOIST CURTAILMENT RULES

<table>
<thead>
<tr>
<th>TYPE</th>
<th>DESCRIPTION</th>
<th>SUPPORT</th>
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<tbody>
<tr>
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<td>CONTINUOUS TOP LEFT END CONDITION</td>
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<td>TR</td>
<td>CONTINUOUS TOP RIGHT END CONDITION</td>
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<tr>
<td>BOT. REINF.:</td>
<td>CONTINUOUS BOTTOM BAR LEFT END CONDITION</td>
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<td>CONTINUOUS BOTTOM</td>
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<tr>
<td>BR</td>
<td>CONTINUOUS BOTTOM RIGHT END CONDITION</td>
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</tr>
</tbody>
</table>

1 QUAD-DECK CONCRETE JOIST REINFORCEMENT DETAIL

FOR SPECIAL CASES ONLY

Scale: N.T.S.

Quad-Lock Building Systems
19402 - 56 Ave
Surrey, BC V3S 6K4
Canada
888.711.5625 - Toll Free
604.590.3111
604.590.8412 - fax
www.quadlock.com

2015-01-15
R1
8.5" x 11" [216mm x 279mm]
2021-10-01
NOT TO SCALE
Z. PROSTRAN
G. KUSTERMANN

CONCRETE JOIST REINFORCEMENT DETAIL
SPECIAL CASES ONLY

IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE
REGULATIONS AND BUILDING CODE REQUIREMENTS CONCERNING THE USE OF
THES PRODUCTS.
IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND
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MAIN FLOOR
3" SLAB + 9" QUAD-DECK
(Total 354mm before finishes, includes 51mm insulation + 279mm QUAD-DECK)

SECOND FLOOR
3" SLAB + 11" QUAD-DECK
(Total 17.5" before finishes, includes 51mm insulation + 229mm QUAD-DECK)

GARAGE FLOOR
3" SLAB + 12.5" QUAD-DECK
(Total 443mm before finishes, includes 51mm insulation + 362mm QUAD-DECK)

SECOND FLOOR (自本層起)
3" SLAB + 11" QUAD-DECK
(Total 12" before finishes, includes 3/8" AGGREGATE + 9" QUAD-DECK)

GENERAL NOTES
ALL SLAB REINFORCEMENT TO BE VERTICALLY CENTERED IN SLAB WITH MINIMUM 20mm CONCRETE COVER U.N.O.
ALL #3 REBAR TO BE GRADE 40.

SAMPLE QUAD-DECK STRUCTURAL SCHEDULE [COORDINATE WITH GENERAL NOTES]

LOCATION/LEVEL/SCOPE | FLOOR ASSEMBLY | JOIST BOTTOM REINFORCEMENT | SLAB REINFORCEMENT | SHEAR STIRRUPS IN QUAD-DECK JOISTS | CONCRETE | REVISION DATE | REVISION NO |
--- | --- | --- | --- | --- | --- | --- | --- |
MAIN FLOOR | 75mm SLAB + 229mm QUAD-DECK (Total 304mm before finishes, includes 51mm insulation under slab) | 2-15M | WM1 152x152 MH13.3xMW13.3 OR 10M AT 300mm O/C E/W | WM1 152x152 MH13.3xMW13.3 OR 10M AT 300mm O/C E/W | 21MPa MIX AT 28 DAYS 160mm SLUMP 10mm AGGREGATE | 2015-01-15 | QD-115 |
GARAGE FLOOR | 125mm SLAB + 319mm QUAD-DECK (Total 445mm before finishes, includes 51mm insulation under slab) | 2-25M | WM1 200x200 MH16x16 OR 15M AT 300mm O/C E/W | WM1 200x200 MH16x16 OR 15M AT 300mm O/C E/W | 21MPa MIX AT 28 DAYS 160mm SLUMP 10mm AGGREGATE | 2021-10-01 | N/A |
SECOND FLOOR | 75mm SLAB + 295mm QUAD-DECK (Total 350mm before finishes, includes 5mm insulation under slab) | 2-15M | WM1 152x152 MH13.3xMW13.3 OR 10M AT 300mm O/C E/W | WM1 152x152 MH13.3xMW13.3 OR 10M AT 300mm O/C E/W | 21MPa MIX AT 28 DAYS 160mm SLUMP 10mm AGGREGATE | 2015-01-15 | N/A |
ROOF | 3" SLAB + 11" QUAD-DECK (includes 5mm insulation under slab) | 2-15M | WM1 152x152 MH13.3xMW13.3 OR 10M AT 300mm O/C E/W | WM1 152x152 MH13.3xMW13.3 OR 10M AT 300mm O/C E/W | 21MPa MIX AT 28 DAYS 160mm SLUMP 10mm AGGREGATE | 2021-10-01 | N/A |

GENERAL NOTES
ALL 16G RD BAR TO BE GRADE 40.
ALL 14G AND LARGER REBAR TO BE GRADE 60.
ALL BOTTOM JOIST REINFORCEMENT TO HAVE MIN. 3/4" CONCRETE COVER U.N.O.
ALL SLAB REINFORCEMENT TO BE VERTICALLY CENTERED IN SLAB WITH MINIMUM 20mm CONCRETE COVER U.N.O.
FOR 1-HOUR FIRE RESISTANCE RATING, MIN. 3/4" SLAB TOPPING PER ACI 216 (TABLE 2.1.)

SAMPLE QUAD-DECK STRUCTURAL SCHEDULE [COORDINATE WITH GENERAL NOTES]

LOCATION/LEVEL/SCOPE | FLOOR ASSEMBLY | JOIST BOTTOM REINFORCEMENT | SLAB REINFORCEMENT | SHEAR STIRRUPS IN QUAD-DECK JOISTS | CONCRETE | REVISION DATE | REVISION NO |
--- | --- | --- | --- | --- | --- | --- | --- |
MAIN FLOOR | 75mm SLAB + 229mm QUAD-DECK (Total 304mm before finishes, includes 5mm insulation under slab) | 2-15M | WM1 152x152 MH13.3xMW13.3 OR 10M AT 300mm O/C E/W | WM1 152x152 MH13.3xMW13.3 OR 10M AT 300mm O/C E/W | 21MPa MIX AT 28 DAYS 160mm SLUMP 10mm AGGREGATE | 2015-01-15 | QD-115 |
GARAGE FLOOR | 125mm SLAB + 319mm QUAD-DECK (Total 445mm before finishes, includes 5mm insulation under slab) | 2-25M | WM1 200x200 MH16x16 OR 15M AT 300mm O/C E/W | WM1 200x200 MH16x16 OR 15M AT 300mm O/C E/W | 21MPa MIX AT 28 DAYS 160mm SLUMP 10mm AGGREGATE | 2021-10-01 | N/A |
SECOND FLOOR | 75mm SLAB + 295mm QUAD-DECK (Total 350mm before finishes, includes 5mm insulation under slab) | 2-15M | WM1 152x152 MH13.3xMW13.3 OR 10M AT 300mm O/C E/W | WM1 152x152 MH13.3xMW13.3 OR 10M AT 300mm O/C E/W | 21MPa MIX AT 28 DAYS 160mm SLUMP 10mm AGGREGATE | 2015-01-15 | N/A |
ROOF | 3" SLAB + 11" QUAD-DECK (includes 5mm insulation under slab) | 2-15M | WM1 152x152 MH13.3xMW13.3 OR 10M AT 300mm O/C E/W | WM1 152x152 MH13.3xMW13.3 OR 10M AT 300mm O/C E/W | 21MPa MIX AT 28 DAYS 160mm SLUMP 10mm AGGREGATE | 2021-10-01 | N/A |

GENERAL NOTES
ALL 16G RD BAR TO BE GRADE 40.
ALL 14G AND LARGER REBAR TO BE GRADE 60.
ALL BOTTOM JOIST REINFORCEMENT TO HAVE MIN. 3/4" CONCRETE COVER U.N.O.
ALL SLAB REINFORCEMENT TO BE VERTICALLY CENTERED IN SLAB WITH MINIMUM 20mm CONCRETE COVER U.N.O.
FOR 1-HOUR FIRE RESISTANCE RATING, MIN. 3/4" SLAB TOPPING PER ACI 216 (TABLE 2.1.)

Sample QUAD-DECK Structural Schedule

Sample Imperial QUAD-DECK Schedule

Sample Metric QUAD-DECK Schedule

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IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.
QUAD-DECK PANELS PARALLEL TO QUAD-LOCK WALL

1. QUAD-DECK PANELS PARALLEL TO QUAD-LOCK WALL

Scale: N.T.S.

QUAD-LOCK WALL CONCRETE THICKNESS AND INSULATION AS SPECIFIED

QUAD-LOCK YELLOW TIE

QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

VERTICAL WALL REINFORCEMENT AS SPECIFIED
HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

REINFORCEMENT OVERLAP AS SPECIFIED

TOP OF WALL REINFORCEMENT AS SPECIFIED
QUAD-LOCK METAL TRACK
REBAR DOWELS WITH STD. 90° HOOK AS SPECIFIED
FLOOR FINISH AS SPECIFIED

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 3" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR
E.G. WMM 6X6 [152X152] OR #3 [10M] EACH WAY

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

QUAD-DECK PANEL WIDTH
2'-0" [610mm]

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

Ø4 1/2" [120mm] VOID FOR UTILITIES
FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

EXTERIOR AND INTERIOR WALL FINISH AS SPECIFIED

QUAD-DECK TO QUAD-LOCK WALL

2015-03-15
R1
8.5" x 11" [216mm x 279mm]
2021-10-01
Z. PROSTRAN

G. KUSTERMANN

NOT TO SCALE

QUD-202
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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DRAWN BY: Z. PROSTRAN
DATE DRAWN: 2021-10-01
REVISION NO: R1
SCALE: N.T.S.
SHEET SIZE: 8.5" x 11" [216mm x 279mm]
APPROVED BY: G. KUSTERMANN
REVISION DATE: 2021-10-01
COMMENTS: N/A

QUAD-DECK PANELS PERPENDICULAR TO QUAD-LOCK WALL

Scale: N.T.S.

QUAD-DECK PANEL THICKNESSES:
7" [178mm], 8" [203mm], 9" [229mm], 10" [254mm], 11" [279mm], 12" [305mm], 12.5" [318mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

REMOVE WALL INSULATION EPS AT QUAD-DECK JOIST LOCATIONS

QUAD-LOCK METAL TRACK
NEGATIVE MOMENT REINF. DOWELS WITH STD. 90° HOOKS AS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS

FLOOR FINISH AS SPECIFIED
SLAB REINFORCEMENT AS PER EOR E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

SCALE: NOT TO SCALE

CONCRETE COMPRRESSIVE STRENGTH AS SPECIFIED
MAX. 3/8" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

QUAD-DECK TO QUAD-LOCK WALL

QUAD-LOCK METAL TRACK
NEGATIVE MOMENT REINF. DOWELS

QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

QUAD-LOCK YELLOW TIE

REINFORCEMENT OVERLAP AS SPECIFIED
TOP OF WALL REINFORCEMENT AS SPECIFIED
QUAD-LOCK METAL TRACK

QUAD-LOCK WALL CONCRETE THICKNESS AND INSULATION AS SPECIFIED

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

REMOVE WALL INSULATION EPS AT QUAD-DECK JOIST LOCATIONS

QUAD-DECK PANEL THICKNESSES:
7" [178mm], 8" [203mm], 9" [229mm], 10" [254mm], 11" [279mm], 12" [305mm], 12.5" [318mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

REMOVE WALL INSULATION EPS AT QUAD-DECK JOIST LOCATIONS

QUAD-DECK PANELS PERPENDICULAR TO QUAD-LOCK WALL

Scale: N.T.S.

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

REMOVE WALL INSULATION EPS AT QUAD-DECK JOIST LOCATIONS

QUAD-DECK METAL TRACK
NEGATIVE MOMENT REINF. DOWELS

QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

QUAD-LOCK YELLOW TIE

REINFORCEMENT OVERLAP AS SPECIFIED
TOP OF WALL REINFORCEMENT AS SPECIFIED
QUAD-LOCK METAL TRACK

BLACK STONE Backyard Design

Scale: N.T.S.
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**QUAD-DECK TO QUAD-LOCK WALL**

**QUAD-DECK PANELS PARALLEL TO TOP OF QUAD-LOCK WALL**

- **QUAD-DECK PANEL WIDTH**: 2'-0" [610mm]
- **QUAD-DECK PANEL THICKNESSES**: 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
- **QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR**
- **FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C**
- **HORIZONTAL WALL REINFORCEMENT AS SPECIFIED**
- **VERTICAL WALL REINFORCEMENT AS SPECIFIED**
- **QUAD-LOCK YELLOW TIE**
- **QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)**
  - 3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]
- **QUAD-LOCK WALL PANELS MITERED AT TOP TO PROVIDE CONCRETE SUPPORT FOR TOP PLATE ABOVE**
- **QUAD-LOCK YIELD TIE**
- **QUAD-LOCK WALL - CONCRETE THICKNESS AND INSULATION AS SPECIFIED**
- **BOTTOM PLATE WITH SILL SEALER**
- **INDENT FROM OUTSIDE OF WALL EPS BY SHEATHING THICKNESS**
- **CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED MAX. 2" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR**
- **SLAB REINFORCEMENT AS PER EOR E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY SLAB THICKNESS RANGE 2" TO 6" [50mm TO 150mm]**
- **FLOOR FINISH AS SPECIFIED**
- **REBAR DOWELS WITH STD. 90° HOOKS AS SPECIFIED**
- **TOP OF WALL REINFORCEMENT AS SPECIFIED**

**Drawn by:**

**Date Drawn:**

**Revision No:**

**Scale:**

**Sheet Size:**

**Approved by:**

**Revision Date:**

**Comments:**

**Drawing No:**

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2015-03-15

R1

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

2021-10-01

Z. PROSTRAN

Not to Scale

G. KUSTERMANN

QD-204
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QUAD-DECK TO QUAD-LOCK WALL

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

QUAD-DECK PANELS PERPENDICULAR TO TOP OF QUAD-LOCK WALL

Scale: N.T.S.

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

ANCHOR BOLT AS SPECIFIED

NEGATIVE MOMENT REINF. DOWELS WITH STD. 90° HOOKSAS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS

QUAD-DECK TO QUAD-LOCK WALL PANEL THICKNESSES:
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

QUAD-DECK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)

QUAD-LOCK WALL PANELS MITERED AT TOP TO PROVIDE CONCRETE SUPPORT FOR TOP PLATE ABOVE

QUAD-LOCK WALL - CONCRETE THICKNESS AND INSULATION AS SPECIFIED

QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

ANCHOR BOLT AS SPECIFIED

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

VERTICAL WALL REINFORCEMENT AS SPECIFIED

QUAD-LOCK YELLOW TIE

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

ANCHOR BOLT AS SPECIFIED

NEGATIVE MOMENT REINF. DOWELS WITH STD. 90° HOOKSAS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS

QUAD-DECK TO QUAD-LOCK WALL PANEL THICKNESSES:
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

QUAD-DECK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

ANCHOR BOLT AS SPECIFIED

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

VERTICAL WALL REINFORCEMENT AS SPECIFIED

QUAD-LOCK YELLOW TIE

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

ANCHOR BOLT AS SPECIFIED

NEGATIVE MOMENT REINF. DOWELS WITH STD. 90° HOOKSAS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS

QUAD-DECK TO QUAD-LOCK WALL PANEL THICKNESSES:
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

QUAD-DECK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

ANCHOR BOLT AS SPECIFIED

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

VERTICAL WALL REINFORCEMENT AS SPECIFIED

QUAD-LOCK YELLOW TIE

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

ANCHOR BOLT AS SPECIFIED

NEGATIVE MOMENT REINF. DOWELS WITH STD. 90° HOOKSAS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS

QUAD-DECK TO QUAD-LOCK WALL PANEL THICKNESSES:
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

QUAD-DECK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

ANCHOR BOLT AS SPECIFIED

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

VERTICAL WALL REINFORCEMENT AS SPECIFIED

QUAD-LOCK YELLOW TIE

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

ANCHOR BOLT AS SPECIFIED

NEGATIVE MOMENT REINF. DOWELS WITH STD. 90° HOOKSAS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS

QUAD-DECK TO QUAD-LOCK WALL PANEL THICKNESSES:
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

QUAD-DECK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

ANCHOR BOLT AS SPECIFIED

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

VERTICAL WALL REINFORCEMENT AS SPECIFIED

QUAD-LOCK YELLOW TIE

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

ANCHOR BOLT AS SPECIFIED

NEGATIVE MOMENT REINF. DOWELS WITH STD. 90° HOOKSAS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS

QUAD-DECK TO QUAD-LOCK WALL PANEL THICKNESSES:
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

QUAD-DECK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]
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-DECK PANELS PARALLEL TO QUAD-LOCK INTERMEDIATE WALL

Scale: N.T.S.

QUAD-DECK TO INTERMEDIATE QUAD-LOCK WALL

QUAD-LOCK WALL
CONCRETE THICKNESS AND INSULATION AS SPECIFIED

QUAD-LOCK YELLOW TIE

VERTICAL WALL REINFORCEMENT AS SPECIFIED

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

TOP OF WALL REINFORCEMENT AS SPECIFIED

QUAD-LOCK METAL TRACK

SLAB REINFORCEMENT AS PER EOR E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

CONCRETE COMPRESSION STRENGTH AS SPECIFIED MAX. 3" [100mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

VOID FOR UTILITIES

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED MIN. 3" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

QUAD-DECK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS) 3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

WALL FINISH AS SPECIFIED

QUAD-DECK PANEL WIDTH 2'-0" [610mm]

QUAD-DECK PANEL THICKNESSES: 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK TO INTERMEDIATE QUAD-LOCK WALL

SCALE: N.T.S.

QUAD-DECK PANEL WIDTH 2'-0" [610mm]

QUAD-DECK PANEL THICKNESSES: 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED MIN. 3" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

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WALL FINISH AS SPECIFIED

QUAD-DECK PANEL WIDTH 2'-0" [610mm]

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WALL FINISH AS SPECIFIED

QUAD-DECK PANEL WIDTH 2'-0" [610mm]

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QUAD-DECK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS) 3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

WALL FINISH AS SPECIFIED

QUAD-DECK PANEL WIDTH 2'-0" [610mm]

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WALL FINISH AS SPECIFIED

QUAD-DECK PANEL WIDTH 2'-0" [610mm]

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WALL FINISH AS SPECIFIED

QUAD-DECK PANEL WIDTH 2'-0" [610mm]

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QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED MIN. 3" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

QUAD-DECK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS) 3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

WALL FINISH AS SPECIFIED

QUAD-DECK PANEL WIDTH 2'-0" [610mm]

QUAD-DECK PANEL THICKNESSES: 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED MIN. 3" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

QUAD-DECK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS) 3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

WALL FINISH 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. It is further the responsibility of the user to research and understand safe methods of use and handling of these products.

Quad-Deck to Intermediate Quad-Lock Wall

Scale: N.T.S.

Quadr-Deck Panels Perpendicular to Quad-Lock Intermediate Wall

- Quad-Lock Wall
- Concrete thickness and insulation as specified
- Quad-Lock Yellow Tie
- Vertical wall reinforcement as specified
- Horizontal wall reinforcement as specified
- Quad-Lock Ultra Panel - Expanded Polystyrene (EPS)
  3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]
- Negative moment reinforcement bars as specified
- At panel ends spaced at 24" [610mm] O/C coinciding with Quad-Deck concrete joists
- Concrete compressive strength as specified max. 3.8" [10mm] aggregate and 6" [150mm] slump or as per EOR
- Quad-Deck panel thicknesses: 7", 8", 9", 10", 11", 12" or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
- Quad-Deck concrete joist reinforcement as specified continue through wall as shown or splice above wall
- Min. 2" [50mm] concrete cover for all primary rebar or as per EOR
- Remove wall insulation EPS at Quad-Deck joist locations
- Slab thickness range 2" to 6" [50mm to 150mm]
- Fasten ceiling finish to Quad-Deck integrated metal furring spaced @ 12" [305mm] O/C
- Quad-Deck panel thicknesses:
  - 7", 8", 9", 10", 11", 12" or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
  - Quad-Deck concrete joist reinforcement as specified continue through wall as shown or splice above wall
  - Min. 2" [50mm] concrete cover for all primary rebar or as per EOR
  - Remove wall insulation EPS at Quad-Deck joist locations
- Slab thickness range 2" to 6" [50mm to 150mm]
- Wall finish as specified

Quad-Deck to Intermediate Wall

- Quad-Deck panel thicknesses:
  - 7", 8", 9", 10", 11", 12" or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
  - Quad-Deck concrete joist reinforcement as specified continue through wall as shown or splice above wall
  - Min. 2" [50mm] concrete cover for all primary rebar or as per EOR
  - Remove wall insulation EPS at Quad-Deck joist locations
- Slab thickness range 2" to 6" [50mm to 150mm]
- Wall finish 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.

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

QUAD-DECK TO INTERMEDIATE QUAD-LOCK WALL

QUAD-DECK PANELS PARALLEL TO TOP OF QUAD-LOCK INTERMEDIATE WALL

QUAD-DECK PANEL WIDTH
2'-0" [610mm]

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 3/4" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

VERTICAL WALL REINFORCEMENT AS SPECIFIED

QUAD-LOCK YELLOW TIE

WALL FINISH AS SPECIFIED

QUAD-LOCK WALL
CONCRETE THICKNESS AND INSULATION AS SPECIFIED

FLOOR/ROOF FINISH AS SPECIFIED

TOP OF WALL REINFORCEMENT AS SPECIFIED

SLAB REINFORCEMENT AS PER EOR
E.G. WMM 6X6 [152X152] OR #3 [10M] EACH WAY

VOID FOR UTILITIES

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

QUAD-DECK TO INTERMEDIATE QUAD-LOCK WALL

Scale: N.T.S.
FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

QUAD-DECK PANELS PERPENDICULAR TO TOP OF QUAD-LOCK INTERMEDIATE WALL

1. QUAD-DECK PANELS PERPENDICULAR TO TOP OF QUAD-LOCK INTERMEDIATE WALL

Scale: N.T.S.

QUAD-DECK TO INTERMEDIATE QUAD-LOCK WALL

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

VERTICAL WALL REINFORCEMENT AS SPECIFIED

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

QUAD-LOCK YELLOW TIE

WALL FINISH AS SPECIFIED

QUAD-LOCK WALL CONCRETE THICKNESS AND INSULATION AS SPECIFIED

REMOVE WALL INSULATION EPS AT QUAD-DECK JOIST LOCATIONS

SLAB THICKNESS RANGE 2" TO 6" [50mm TO 150mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED CONTINUE THROUGH WALL AS SHOWN OR SPLICE ABOVE WALL MIN. 2" [50mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

MIN. 3/4" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR

SLAB REINFORCEMENT AS PER EOR E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

NEGATIVE MOMENT REINF. BARS AS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED MAX. 3 " [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

QUAD-LOCK WALL CONCRETE THICKNESS AND INSULATION AS SPECIFIED

WRITE CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

QUAD-DECK PANELS PERPENDICULAR TO TOP OF QUAD-LOCK INTERMEDIATE WALL

Scale: N.T.S.

QUAD-DECK TO INTERMEDIATE QUAD-LOCK WALL

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

VERTICAL WALL REINFORCEMENT AS SPECIFIED

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

QUAD-LOCK YELLOW TIE

WALL FINISH AS SPECIFIED

QUAD-LOCK WALL CONCRETE THICKNESS AND INSULATION AS SPECIFIED

REMOVE WALL INSULATION EPS AT QUAD-DECK JOIST LOCATIONS

SLAB THICKNESS RANGE 2" TO 6" [50mm TO 150mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED CONTINUE THROUGH WALL AS SHOWN OR SPLICE ABOVE WALL MIN. 2" [50mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

MIN. 3/4" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR

SLAB REINFORCEMENT AS PER EOR E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

NEGATIVE MOMENT REINF. BARS AS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED MAX. 3 " [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR
Quad-Deck to Intermediate Quad-Lock Wall

1. Quad-Deck panels perpendicular & parallel to top of Quad-Lock wall

Floors/roof finish as specified
Top of wall reinforcement as specified
Slab reinforcement as per EOR e.g. WWM 6x6 [152x152] or #3 [10mm] each way

Fasten ceiling finish to Quad-Deck integrated metal furring spaced @ 12" [305mm] O/C

Negative moment reinforcement bars as specified at panel ends spaced at 24" [610mm] O/C coinciding with Quad-Deck concrete joists

Concrete compressive strength as specified max. 2 1/2" [64mm] aggregate and 8" [203mm] slump or as per EOR

Void for utilities

Quadrant Concrete Joist reinforcement as specified min. 2" [50mm] concrete cover for all primary rebar or as per EOR

Quad-Deck panel thicknesses: 7", 8", 9", 10", 11", 12" or 12.5" [180mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

Quad-Deck panel thickness range: 2" to 6" [50mm to 150mm]

Quad-Deck panel width: 2'-0" [610mm]

Quad-Deck panel widths:
- 2'-0" [610mm]
- 8.5" x 11" [216mm x 279mm]
- 3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

Quad-Deck to Quad-Deck panel thickness:
- Quadrant Concrete Joist reinforcement as specified min. 2" [50mm] concrete cover for all primary rebar or as per EOR

Quad-Lock Ultra Panel - Expanded Polystyrene (EPS)
- 3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

Quad-Lock Ultral Panel - Expanded Polystyrene (EPS)
- 3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

Quad-Lock yellow tie

Wall finish as specified

Quad-Lock wall concrete thickness and insulation as specified

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QUAD-DECK TO WALL & STAIR DETAIL

SCALE: N.T.S.

QUAD-DECK PANELS PERPENDICULAR TO WALL/STAIR THREADS

QUAD-LOCK WALL
CONCRETE THICKNESS AND INSULATION AS SPECIFIED

WALL FINISH AS SPECIFIED

QUAD-LOCK YELLOW TIE

QUAD-LOCK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 3/8" [10mm] CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

VERTICAL WALL REINFORCEMENT AS SPECIFIED

NEGATIVE MOMENT REINFORCEMENT DOWELS
WITH STD. 90° HOOKS AS SPECIFIED
AT PANEL ENDS SPACED AT 24" [610mm] O/C
COINCIDING WITH QUAD-DECK CONCRETE JOISTS

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 2800# [10mm] AGGREGATE AND 6" [150mm] SLUMP
OR AS PER EOR

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

QUAD-DECK TO WALL & STAIR DETAIL

2015-03-15

R1

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

2021-10-01

Z. PROSTRAN

G. KUSTERMANN

QUAD-LOCK BUILDING SYSTEMS
19402 - 56 Ave
Surrey, BC V3S 6K4
Canada

888.711.5625 - Toll Free
604.590.3111
604.590.8412 - fax
www.quadlock.com
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Quad-Deck Panels Parallel to Wall/Stair Threads

1. Quad-Deck panels parallel to wall/stair threads

Scale: N.T.S.

Quad-Deck to Wall & Stair Detail

2015-03-15
R1
8.5" x 11" [216mm x 279mm]

2021-10-01
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Quad-Deck Panel Width
2'-0" [610mm]

Quad-Deck Panel Thicknesses:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

Quad-Deck Concrete Joist Reinforcement as Specified
Min. 3/8" [20mm] concrete cover for all primary rebar or as per EOR

Quad-Lock Ultra Panel - Expanded Polystyrene (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

Horizontal Wall Reinforcement as Specified

Vertical Wall Reinforcement as Specified

Quad-Lock Yellow Tie

Wall Finish as Specified

Quad-Lock Wall
Concrete Thickness and Insulation as Specified

Rebar Doweled with Std. 90° Hooks as Specified

Concrete Compressive Strength as Specified
Max. 2" [50mm] Aggregate and 6" [150mm] Slump
Or as per EOR

Slab Reinforcement as per EOR
E.g. WWM 6x6 [152x152] or #3 [10M] each way

Void for Utilities

Slab Thickness Range
2" to 6" [50mm to 150mm]

Quad-Deck Panel Thicknesses:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

Quad-Deck Concrete Joist Reinforcement as Specified
Min. 3/8" [20mm] concrete cover for all primary rebar or as per EOR

Quad-Deck Ultra Panel - Expanded Polystyrene (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

Horizontal Wall Reinforcement as Specified

Vertical Wall Reinforcement as Specified

Quad-Lock Yellow Tie

Wall Finish as Specified

Quad-Lock Wall
Concrete Thickness and Insulation as Specified

Rebar Doweled with Std. 90° Hooks as Specified

Concrete Compressive Strength as Specified
Max. 2" [50mm] Aggregate and 6" [150mm] Slump
Or as per EOR

Slab Reinforcement as per EOR
E.g. WWM 6x6 [152x152] or #3 [10M] each way

Void for Utilities

Slab Thickness Range
2" to 6" [50mm to 150mm]
QUAD-LOCK WALL PANELS MITERED AT TOP

REBAR DOWELS WITH STD. 90° HOOKS AS SPECIFIED

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 2\text{\textprime} [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

TOP OF WALL REINFORCEMENT AS SPECIFIED

SLOPE AND FINISH AS SPECIFIED

RAILING TO BE SECURED TO CONCRETE VIA CONCRETE ANCHORS OR WELD BASE TO EMBEDDED STEEL PLATE

BEVEL EXPOSED CONCRETE EDGE

QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

QUAD-LOCK YELLOW TIE

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

VERTICAL WALL REINFORCEMENT AS SPECIFIED

QUAD-LOCK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 2\text{\textprime} [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

QUAD-DECK PANELS PARALLEL TO TOP OF QUAD-LOCK WALL
PORCH CONDITION

Scale: N.T.S.

DRIP LEDGE AS SPECIFIED

DRIP LEDGE AS SPECIFIED

QUAD-DECK TO QUAD-LOCK WALL - EXTERIOR DECK

SHEET SIZE: 8.5" x 11" [216mm x 279mm]
Building Systems

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2015-03-15
Z. PROSTRAN
APPROVED BY
2021-10-01
G. KUSTERMANN

QUAD-DECK TO QUAD-LOCK WALL - EXTERIOR DECK

QUAD-DECK PANELS PERPENDICULAR TO TOP OF QUAD-LOCK WALL

PORCH CONDITION

Scale: N.T.S.

QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10] EACH WAY

TOP OF WALL REINFORCEMENT AS SPECIFIED

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 3 8" [10mm] AGGREGATE AND 6" [150mm] SLUMP
OR AS PER EOR

COVER ENDS OF METAL STRIPS
WITH AT LEAST 2" [50mm] INSULATION

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

NEG. MOMENT REINF. DOWELS
WITH STD. 90° HOOKS AS SPECIFIED
AT PANEL ENDS SPACED AT 24" [610mm] O/C
COINCIDING W/ QUAD-DECK CONCRETE JOISTS

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

QUAD-LOCK WALL PANELS MITERED AT TOP

BEVEL EXPOSED CONCRETE EDGE

DRIP LEDGE AS SPECIFIED

QUAD-LOCK WALL PANELS MITERED AT TOP

FOAM EXTRUSION

QUAD-LOCK WALL PANELS MITERED AT TOP

NEG. MOMENT REINF. DOWELS
WITH STD. 90° HOOKS AS SPECIFIED
AT PANEL ENDS SPACED AT 24" [610mm] O/C
COINCIDING W/ QUAD-DECK CONCRETE JOISTS

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

QUAD-DECK PANELS PERPENDICULAR TO TOP OF QUAD-LOCK WALL

PORCH CONDITION

Scale: N.T.S.

QUAD-DECK TO QUAD-LOCK WALL - EXTERIOR DECK

QUAD-DECK PANELS PERPENDICULAR TO TOP OF QUAD-LOCK WALL

PORCH CONDITION

Scale: N.T.S.

QUAD-DECK TO QUAD-LOCK WALL - EXTERIOR DECK

QUAD-DECK PANELS PERPENDICULAR TO TOP OF QUAD-LOCK WALL

PORCH CONDITION

Scale: N.T.S.
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IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.

QUAD-DECK TO QUAD-LOCK WALL - DRIVEWAY CONDITION

1. QUAD-DECK PANELS PARALLEL TO QUAD-LOCK WALL

Scale: N.T.S.

DRIVEWAY CONDITION

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 3000 psi [10mm] AGGREGATE AND 6" [150mm] SLUMP
OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

TOP OF WALL REINFORCEMENT AS SPECIFIED

SLOPE AND FINISH AS SPECIFIED

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm,
279mm, 305mm, 318mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED
METAL Furring SPACED @ 12" [305mm] O/C

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

VERTICAL WALL REINFORCEMENT AS SPECIFIED

QUAD-LOCK YELLOW TIE

QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

QUAD-LOCK WALL - CONCRETE THICKNESS AND INSULATION AS SPECIFIED

SEAL CONCRETE SURFACE

BEVEL EXPOSED CONCRETE EDGE

DRIP LEDGE AS SPECIFIED

CAULKING

QUAD-LOCK WALL PANELS MITERED AT TOP

REBAR DOWELS WITH STD. 90° HOOKS
AS SPECIFIED

WATERPROOFING

QUAD-DECK TO QUAD-LOCK WALL - DRIVEWAY

2015-03-15

R1

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

2021-10-01

Z. PROSTRAN

G. KUSTERMANN

NOT TO SCALE

QD-215

Quad-Lock Building Systems
1042 - 56 Ave
Surrey, BC V3S 6K4
Canada

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

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. \( \frac{1}{3}" \) [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

NEGATIVE MOMENT REINF. DOWELS WITH STD. 90° HOOKS AS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS

SEAL CONCRETE SURFACE
BEVEL EXPOSED CONCRETE EDGE

QUAD-LOCK WALL PANELS MITERED AT TOP

SLOPE AND FINISH AS SPECIFIED

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. \( \frac{3}{4} " \) [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

COVER ENDS OF METAL STRIPS WITH AT LEAST 2" [50mm] INSULATION

QUAD-LOCK WALL - CONCRETE THICKNESS AND INSULATION AS SPECIFIED

SEAL CONCRETE SURFACE
QUAD-LOCK WALL PANELS MITERED AT TOP

QUAD-DECK TO QUAD-LOCK WALL
DRIVEWAY CONDITION

Scale: N.T.S.
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.
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.
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-Deck to Quad-Lock Wall - Overhead**

- **Quad-Deck Panels Parallel to Quad-Lock Wall**
  - Flush Head Opening Condition
  - Scale: N.T.S.

**Quad-Lock Wall**
- Concrete Thickness and Insulation as Specified

**Quad-Lock Ultra Panel - Expanded Polystyrene (EPS)**
- 3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

**Exterior and Interior Wall Finish as Specified**

**Quad-Lock Yellow Tie**

**Vertical Wall Reinforcement as Specified**

**Horizontal Wall Reinforcement as Specified**

**Lintel Reinforcement as Specified**

**Quad-Lock Metal Track**

**Rebar Dowels with Std. 90° Hooks**
- As Specified

**Floor Finish as Specified**

**Quad-Deck Panel Width**
- 2'-0" [610mm]

**Quad-Deck Panel Thicknesses**:
- 7", 8", 9", 10", 11", 12" or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**Concrete Compressive Strength as Specified**
- Max. 3' [10mm] Aggregate and 6" [150mm] Slump or as per EOR

**Slab Reinforcement as per EOR**
- E.G. WWM 6x6 [152x152] OR #3 [10M] Each Way

**Slab Thickness Range**
- 2" to 6" [50mm to 150mm]

**Quad-Deck Concrete Joist Reinforcement as Specified**
- Min. 3" [20mm] Concrete Cover for all Primary Rebar or as per EOR

**Fasten Finish to Quad-Deck Integrated Metal Furring**
- Spaced @ 12" [305mm] O/C

**Quad-Deck Concrete Joist Reinforcement as Specified**
- Visibly N/A

**Quad-Deck to Quad-Lock Wall**
- Concretes Thickness and Insulation as Specified

**Quad-Lock Metal Track**

**Flushed Head Opening Condition**

**Additional Sheet Insulation** (To Prevent Thermal Bridging)

**Quad-Lock Yellow Tie**

**Quad-Lock Ultra Panel - Expanded Polystyrene (EPS)**
- 3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

**Exterior and Interior Wall Finish as Specified**

**Quad-Lock Metal Track**

**Rebar Dowels with Std. 90° Hooks**
- As Specified

**Floor Finish as Specified**

**Quad-Deck Panel Width**
- 2'-0" [610mm]

**Quad-Deck Panel Thicknesses**:
- 7", 8", 9", 10", 11", 12" or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**Concrete Compressive Strength as Specified**
- Max. 3' [10mm] Aggregate and 6" [150mm] Slump or as per EOR

**Slab Reinforcement as per EOR**
- E.G. WWM 6x6 [152x152] OR #3 [10M] Each Way

**Slab Thickness Range**
- 2" to 6" [50mm to 150mm]

**Quad-Deck Concrete Joist Reinforcement as Specified**
- Min. 3" [20mm] Concrete Cover for all Primary Rebar or as per EOR

**Fasten Finish to Quad-Deck Integrated Metal Furring**
- Spaced @ 12" [305mm] O/C

**Quad-Deck Concrete Joist Reinforcement as Specified**
- Visibly N/A

**Quad-Deck to Quad-Lock Wall**
- Concretes Thickness and Insulation as Specified

**Quad-Lock Metal Track**

**Flushed Head Opening Condition**

**Additional Sheet Insulation** (To Prevent Thermal Bridging)

**Quad-Lock Yellow Tie**

**Quad-Lock Ultra Panel - Expanded Polystyrene (EPS)**
- 3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

**Exterior and Interior Wall Finish as Specified**

**Quad-Lock Metal Track**

**Rebar Dowels with Std. 90° Hooks**
- As Specified

**Floor Finish as Specified**

**Quad-Deck Panel Width**
- 2'-0" [610mm]

**Quad-Deck Panel Thicknesses**:
- 7", 8", 9", 10", 11", 12" or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

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- E.G. WWM 6x6 [152x152] OR #3 [10M] Each Way

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**Quad-Deck Concrete Joist Reinforcement as Specified**
- Min. 3" [20mm] Concrete Cover for all Primary Rebar or as per EOR

**Fasten Finish to Quad-Deck Integrated Metal Furring**
- Spaced @ 12" [305mm] O/C

**Quad-Deck Concrete Joist Reinforcement as Specified**
- Visibly N/A

**Quad-Deck to Quad-Lock Wall**
- Concretes Thickness and Insulation as Specified

**Quad-Lock Metal Track**

**Flushed Head Opening Condition**

**Additional Sheet Insulation** (To Prevent Thermal Bridging)

**Quad-Lock Yellow Tie**

**Quad-Lock Ultra Panel - Expanded Polystyrene (EPS)**
- 3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

**Exterior and Interior Wall Finish as Specified**

**Quad-Lock Metal Track**

**Rebar Dowels with Std. 90° Hooks**
- As Specified

**Floor Finish as Specified**

**Quad-Deck Panel Width**
- 2'-0" [610mm]

**Quad-Deck Panel Thicknesses**:
- 7", 8", 9", 10", 11", 12" or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

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- E.G. WWM 6x6 [152x152] OR #3 [10M] Each Way

**Slab Thickness Range**
- 2" to 6" [50mm to 150mm]

**Quad-Deck Concrete Joist Reinforcement as Specified**
- Min. 3" [20mm] Concrete Cover for all Primary Rebar or as per EOR

**Fasten Finish to Quad-Deck Integrated Metal Furring**
- Spaced @ 12" [305mm] O/C

**Quad-Deck Concrete Joist Reinforcement asSpecified**
- Visibly N/A

**Quad-Deck to Quad-Lock Wall**
- Concretes Thickness and Insulation as Specified

**Quad-Lock Metal Track**

**Flushed Head Opening Condition**

**Additional Sheet Insulation** (To Prevent Thermal Bridging)

**Quad-Lock Yellow Tie**

**Quad-Lock Ultra Panel - Expanded Polystyrene (EPS)**
- 3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

**Exterior and Interior Wall Finish as Specified**

**Quad-Lock Metal Track**

**Rebar Dowels with Std. 90° Hooks**
- As Specified

**Floor Finish as Specified**

**Quad-Deck Panel Width**
- 2'-0" [610mm]

**Quad-Deck Panel Thicknesses**:
- 7", 8", 9", 10", 11", 12" or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

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- Max. 3' [10mm] Aggregate and 6" [150mm] Slump or as per EOR

**Slab Reinforcement as per EOR**
- E.G. WWM 6x6 [152x152] OR #3 [10M] Each Way

**Slab Thickness Range**
- 2" to 6" [50mm to 150mm]

**Quad-Deck Concrete Joist Reinforcement as Specified**
- Min. 3" [20mm] Concrete Cover for all Primary Rebar or as per EOR

**Fasten Finish to Quad-Deck Integrated Metal Furring**
- Spaced @ 12" [305mm] O/C
QUAD-DECK PANELS PERPENDICULAR TO QUAD-LOCK WALL

FLUSHED HEAD OPENING CONDITION

Scale: N.T.S.
**QUAD-LOCK WALL OFFSET (QUAD-DECK PANELS PARALLEL TO WALL)**

**QUAD-DECK TO OFFSET QUAD-LOCK WALL**

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**Scale:** N.T.S.

**QUAD-LOCK BUILDING SYSTEMS**

**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 WALL**

- Concrete thickness and insulation as specified

**EXTERIOR AND INTERIOR WALL FINISH AS SPECIFIED**

**QUAD-LOCK METAL TRACK**

- Overhang reinforcement as specified

**QUAD-DECK PANEL THICKNESSES:**
- 7", 8", 9", 10", 11", 12" or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**QUAD-DECK PANEL WIDTH**
- 2'-0" [610mm]

**QUAD-DECK PANEL THICKNESSES:**
- 7", 8", 9", 10", 11", 12" or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED**

MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

**SLAB REINFORCEMENT AS PER EOR**

E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

**CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**

MAX. 3800 psi [26.4 MPa]

MIN. 3000 psi [20.7 MPa]

**VOID FOR UTILITIES**

Ø4" [120mm]

**SLAB THICKNESS RANGE**

2" TO 6" [50mm TO 150mm]

**FASTEN FINISH TO QUAD-DECK INTEGRATED METAL FURRING**

SPACED @ 12" [305mm] O/C

**QUAD-LOCK METAL TRACK AS SPECIFIED**

**QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)**

3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

**HORIZONTAL WALL REINFORCEMENT AS SPECIFIED**

**VERTICAL WALL REINFORCEMENT AS SPECIFIED**

**QUAD-LOCK YELLOW TIE**

**CONCRETE COMPRESSION STRENGTH AS SPECIFIED**

MAX. 3800 psi [26.4 MPa]

MIN. 3000 psi [20.7 MPa]

**AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR**

**QUAD-LOCK WALL OFFSET**

(QUAD-DECK PANELS PARALLEL TO WALL)

**EXTERIOR WALL OFFSET CONDITION**

**QUAD-LOCK WALL**

- Concrete thickness and insulation as specified

**EXTERIOR WALL OFFSET CONDITION**

- Rebar dowels with std. 90° hooks as specified

**ADDITIONAL SHEET INSULATION**

(TO PREVENT THERMAL BRIDGING)

**QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)**

3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

**CONCRETE THICKNESS AND INSULATION AS SPECIFIED**

**REBAR DOWELS WITH STD. 90° HOOKS 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. IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.

**Quad-Lock Wall Offset (Quad-Deck Panels Perpendicular to Wall)**

**Exterior Wall Offset Condition**

**Quad-Deck to Offset Quad-Lock Wall**

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<td>NOT TO SCALE</td>
<td>G. KUSTERMANN</td>
</tr>
<tr>
<td>2021-10-01</td>
<td>Z. PROSTRAN</td>
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**Quad-Lock Building Systems**

Quad-Lock Building Systems
19402 - 56 Ave
Surrey, BC V3S 6K4
Canada
888.311.5695 - Toll Free
604.590.3111
604.590.8412 - fax
www.quadlock.com
QUAD-LOCK WALL OFFSET (QUAD-DECK PANELS PERPENDICULAR TO WALL)

Exterior Wall Offset Condition

- Quadrant Lock Metal Track
- Additional Sheet Insulation (to prevent thermal bridging)
- Beam Reinforcement & Size as specified
- Concrete Thickness and Insulation as specified
- Quadrant Lock Ultra Panel - Expanded Polystyrene (EPS)
  - 3.125" W x 12" H x 48" L (79mm x 305mm x 1219mm)
- Cut Out Cont. Reglet (~15° slope) to expose concrete
- Re-insulate with cut-out EPS or spray-foam
- Caulk self-adhered membrane (SAM) to primed concrete
  - (Primer must be compatible with any caulking applied)
- Quadrant Lock Yellow Tie
- Quadrant Lock Wall

- Negative Moment Reinforcement Dowels
  - With Std. 90° hooks as specified
  - At panel ends spaced at 24" [610mm] O/C
  - Coinciding with Quadrant Deck concrete joists
- Concrete Compressive Strength as specified
  - Max. 3 [10mm] aggregate and 6 [150mm] slump
  - Or as per EOR
- Quadrant Deck Panel Thicknesses:
  - 7", 8", 9", 10", 11", 12" or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
- Slab thickness range
  - 2" to 6" [50mm to 150mm]
- Slab Reinforcement as per EOR
  - E.G. WWM 6X6 [152X152] or #3 [10M] each way
- Quadrant Deck Concrete Joist Reinforcement as specified
  - Min. 2 [20mm] Concrete Cover for all primary rebar
  - Or as per EOR
- Fasten finish to Quadrant Deck integrated metal furring
  - Spaced @ 12" [305mm] O/C
- Quadrant Deck Conventional Joist Reinforcement as specified
- Vertical Wall Reinforcement as specified
- Horizontal Wall Reinforcement as specified
- Quadrant Lock Yellow Tie

- Counter flashing
- Self-adhered membrane
- Prime all contact surfaces with water based primer

- Caulk self-adhered membrane (SAM) to primed concrete
  - (Primer must be compatible with any caulking applied)

Scale: N.T.S.
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-Deck with Self-Supporting Quad-Lock Wall on Top

**Building Systems**

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

QUAD-DECK SUPPORTING QUAD-Lock WALL (PANELS PERPENDICULAR TO WALL)

**QUAD-DECK PANEL THICKNESSES:**
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**SLAB THICKNESS RANGE**
2" TO 6" (50mm TO 150mm)

**BEAM REINFORCEMENT & SIZE AS SPECIFIED**

**QUAD-Lock METAL TRACK**

**FLOOR FINISH AS SPECIFIED**

**QUAD-Lock YELLOW TIE**

**NEGATIVE MOMENT REINFORCEMENT BARS AS SPECIFIED**

**AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS**

**REBAR DOWELS WITH STD. 90° HOOKS AS SPECIFIED**

**QUAD-Lock PANEL THICKNESSES:**
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**SLAB THICKNESS RANGE**
2" TO 6" (50mm TO 150mm)

**QUAD-DECK PANEL THICKNESSES:**
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**SLAB THICKNESS RANGE**
2" TO 6" (50mm TO 150mm)

**QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED CONTINUE THROUGH BEAM AS SHOWN OR SPLICE AT BEAM MIN. 0.5" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR**

**QUAD-DECK WITH SELF-SUPPORTING QUAD-Lock WALL ON TOP**

**R1**

2021-10-01

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

NOT TO SCALE

G. KUSTERMANN

Z. PROSTRAN
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IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.
QUAD-DECK SUPPORTING QUAD-LOCK WALL (PANELS PERPENDICULAR TO WALL)

Beam in the deck condition

QUAD-DECK PANEL THICKNESSES: 7", 8", 9", 10", 11", 12" OR 12.5"

[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK SUPPORTING QUAD-LOCK WALL ON TOP

Beam in the deck condition

QUAD-DECK PANEL THICKNESSES: 7", 8", 9", 10", 11", 12" OR 12.5"

[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

FASTEN FINISH TO QUAD-DECK INTEGRATED METAL Furring

SPACED @ 12" [305mm] O/C

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
CONTINUE THROUGH BEAM AS SHOWN OR SPLICE AT BEAM
MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

BEAM REINFORCEMENT & SIZE AS SPECIFIED

CONCRETE COMPRESSION STRENGTH AS SPECIFIED
MAX. 2" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

SLAB THICKNESS RANGE 2" TO 6" [50mm TO 150mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
CONTINUE THROUGH BEAM AS SHOWN OR SPLICE AT BEAM
MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

REBAR DOWELS WITH STD. 90° HOOKS AS SPECIFIED

QUAD-LOCK METAL TRACK

NEGATIVE MOMENT REINFORCEMENT BARS AS SPECIFIED
AT PANEL ENDS SPACED AT 24" [610mm] O/C
COINCIDING WITH QUAD-DECK CONCRETE JOISTS

FLOOR FINISH AS SPECIFIED

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 3 8" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"

[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
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-DECK TO CONCRETE BEAM DETAIL

**DRAWN BY:** Z. PROSTRAN
**DATE DRAWN:** 2021-10-01
**REVISION NO:** R1
**SCALE:** NOT TO SCALE
**SHEET SIZE:** 8.5" x 11" [216mm x 279mm]
**APPROVED BY:** G. KUSTERMANN
**REVISION DATE:**

**QUAD-DECK PANEL THICKNESSES:**
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

1. **QUAD-DECK FLUSHED BEAM DETAIL** (Panels Parallel to Beam)

   **Scale:** N.T.S.

   - SLAB REINFORCEMENT AS PER EOR
     E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY
   - CONCRETE COMPRRESSIVE STRENGTH AS SPECIFIED
     MAX. 2" [100mm] AGGREGATE AND 6" [150mm] SLUMP
     OR AS PER EOR
   - TRANSVERSE REINFORCEMENT OVER BEAM AS SPECIFIED
   - FINISH AS SPECIFIED
   - SLAB THICKNESS RANGE
     2" TO 6" [50mm TO 150mm]
   - BEAM REINFORCEMENT AND SIZE AS SPECIFIED
   - Ø4" [121mm]
     VOID FOR UTILITIES
   - FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING
     SPACED @ 12" [305mm] O/C
   - QUAD-DECK CONCRETE JOIST (BOTTOM) REINFORCEMENT AS SPECIFIED
     MIN. 2" [200mm] CONCRETE COVER FOR ALL PRIMARY REBAR
     OR AS PER EOR

   - SHEET INSULATION TO PREVENT THERMAL BRIDGING

   **QUAD-DECK FLUSHED BEAM DETAIL** (Panels Parallel to Beam)

   **Scale:** N.T.S.

   - SLAB REINFORCEMENT AS PER EOR
     E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY
   - CONCRETE COMPRRESSIVE STRENGTH AS SPECIFIED
     MAX. 2" [100mm] AGGREGATE AND 6" [150mm] SLUMP
     OR AS PER EOR
   - TRANSVERSE REINFORCEMENT OVER BEAM AS SPECIFIED
   - FINISH AS SPECIFIED
   - SLAB THICKNESS RANGE
     2" TO 6" [50mm TO 150mm]
   - BEAM REINFORCEMENT AND SIZE AS SPECIFIED
   - Ø4" [121mm]
     VOID FOR UTILITIES
   - FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING
     SPACED @ 12" [305mm] O/C
   - QUAD-DECK CONCRETE JOIST (BOTTOM) REINFORCEMENT AS SPECIFIED
     MIN. 2" [200mm] CONCRETE COVER FOR ALL PRIMARY REBAR
     OR AS PER EOR

   **WITH THERMAL BREAK INSULATION**

   - QUAD-DECK PANEL THICKNESSES:
     7", 8", 9", 10", 11", 12" OR 12.5"
     [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

   - SLAB REINFORCEMENT AS PER EOR
     E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY
   - CONCRETE COMPRRESSIVE STRENGTH AS SPECIFIED
     MAX. 2" [100mm] AGGREGATE AND 6" [150mm] SLUMP
     OR AS PER EOR
   - TRANSVERSE REINFORCEMENT OVER BEAM AS SPECIFIED
   - FINISH AS SPECIFIED
   - SLAB THICKNESS RANGE
     2" TO 6" [50mm TO 150mm]
   - BEAM REINFORCEMENT AND SIZE AS SPECIFIED
   - Ø4" [121mm]
     VOID FOR UTILITIES
   - FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING
     SPACED @ 12" [305mm] O/C
   - QUAD-DECK CONCRETE JOIST (BOTTOM) REINFORCEMENT AS SPECIFIED
     MIN. 2" [200mm] CONCRETE COVER FOR ALL PRIMARY REBAR
     OR AS PER EOR

   **FINISH AS SPECIFIED**
   **SLAB THICKNESS RANGE**
   **BEAM REINFORCEMENT AND SIZE AS SPECIFIED**

   **CONCRETE JOIST (BOTTOM) REINFORCEMENT AS SPECIFIED**
   **MIN. 2" [200mm] CONCRETE COVER FOR ALL PRIMARY REBAR**
   **AS PER EOR**

   **VOID FOR UTILITIES**
   **TRANSVERSE REINFORCEMENT OVER BEAM AS SPECIFIED**
   **SLAB THICKNESS RANGE**
   **BEAM REINFORCEMENT AND SIZE AS SPECIFIED**

   **FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING**
   **SPACED @ 12" [305mm] O/C**

   **SHEET INSULATION TO PREVENT THERMAL BRIDGING**

   **QUAD-DECK PANEL THICKNESSES:**
   7", 8", 9", 10", 11", 12" OR 12.5"
   [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
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-DECK TO CONCRETE BEAM DETAIL

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 3" [10mm] AGGREGATE AND 6" [150mm] SLUMP
OR AS PER EOR

NEGATIVE MOMENT REINFORCEMENT AS SPECIFIED
OVER BEAM AT 24" [610mm] O/C
COINCIDING WITH QUAD-DECK CONCRETE JOISTS

FINISH AS SPECIFIED
SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

BEAM REINFORCEMENT AND SIZE AS SPECIFIED

QUAD-DECK CONCRETE JOIST (BOTTOM) REINFORCEMENT AS SPECIFIED
CONTINUE THROUGH BEAM OR SPLICE AT BEAM
MIN. 3" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING
SPACED @ 12" [305mm] O/C

Sheet insulation to prevent thermal bridging

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK FLUSHED BEAM DETAIL (Panels Perpendicular to Beam)
Scale: N.T.S.

QUAD-DECK FLUSHED BEAM DETAIL (Panels Perpendicular to Beam)
WITH THERMAL BREAK INSULATION
Scale: N.T.S.
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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-DECK TO CONCRETE BEAM DETAIL

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK CONCRETE JOIST (BOTTOM) REINFORCEMENT AS SPECIFIED
MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

FINISH AS SPECIFIED
BEAM REINFORCEMENT AS SPECIFIED
REBAR DOWELS WITH STD. 90° HOOKS AS SPECIFIED

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 3000 [15mm] AGGREGATE AND 6” [150mm] SLUMP
OR AS PER EOR

FINISH AS SPECIFIED
BEAM REINFORCEMENT AS SPECIFIED
REBAR DOWELS WITH STD. 90° HOOKS AS SPECIFIED

SLAB REINFORCEMENT AS SPECIFIED
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

FINISH AS SPECIFIED
BEAM REINFORCEMENT AS SPECIFIED
REBAR DOWELS WITH STD. 90° HOOKS AS SPECIFIED

Ø4 3/8" [121mm]
VOID FOR UTILITIES

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING
SPACED @ 12" [305mm] O/C

QUAD-DECK FLUSHED PERIMETER BEAM DETAIL (Panels Parallel to Beam)
Scale: N.T.S.

QUAD-DECK DROPPED BEAM DETAIL (Panels Parallel to Beam)
Scale: N.T.S.
Building Systems

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

QUAD-DECK TO CONCRETE BEAM DETAIL

QUAD-DECK PANEL THICKNESSES:
- 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

SLAB REINFORCEMENT AS PER EOR
- E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

CONCRETE COMPRRESSIVE STRENGTH AS SPECIFIED
- MAX. 3,800 [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

NEGATIVE MOMENT REINF. DOWELS WITH STD. 90° HOOKS AS SPECIFIED OVER BEAM AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS

FINISH AS SPECIFIED

BEAM REINF. AS SPECIFIED

QUAD-DECK PANEL THICKNESSES:
- 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

SLAB REINFORCEMENT AS PER EOR
- E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

CONCRETE COMPRRESSIVE STRENGTH AS SPECIFIED
- MAX. 3,800 [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

NEGATIVE MOMENT REINF. DOWELS WITH STD. 90° HOOKS AS SPECIFIED OVER BEAM AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS

FINISH AS SPECIFIED

BEAM REINF. AS SPECIFIED

2 QUAD-DECK DROPPED BEAM DETAIL (Panels Perpendicular to Beam)

Scale: N.T.S.
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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 Building Systems
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888.711.5625 - Toll Free
604.590.3111
604.590.8412 - fax
www.quadlock.com

QUAD-DECK TO CONCRETE BEAM DETAIL

1. QUAD-DECK STAIR OPENING (Panels Perpendicular to Beam)

2. QUAD-DECK STAIR OPENING (Panels Parallel to Beam)
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QUAD-DECK TO CONCRETE BEAM & STAIRS DETAIL

QUAD-DECK PANELS PERPENDICULAR TO STAIR THREADS
Scale: N.T.S.

QUAD-DECK PANELS PARALLEL TO STAIR THREADS
Scale: N.T.S.

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 3850 [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

QUAD-DECK CONCRETE JOIST (BOTTOM) REINFORCEMENT AS SPECIFIED
MIN. ½" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

FLOOR/ROOF FINISH AS SPECIFIED

REBAR DOWELS WITH STD. 90° HOOKS AS SPECIFIED

BEAM REINFORCEMENT AS SPECIFIED

STAIR REINFORCEMENT AS SPECIFIED

RUN AS SPECIFIED

RISE AS SPECIFIED

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 3850 [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

QUAD-DECK CONCRETE JOIST (BOTTOM) REINFORCEMENT AS SPECIFIED
MIN. ½" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

FLOOR/ROOF FINISH AS SPECIFIED

BEAM REINFORCEMENT AS SPECIFIED

STAIR REINFORCEMENT AS SPECIFIED

RUN AS SPECIFIED

RISE AS SPECIFIED

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]
QUAD-DECK TO CONCRETE BEAM DETAIL

1. QUAD-DECK FLUSHED BEAM DETAIL (Panels running in both directions)
   - Scale: N.T.S.
   - FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

2. QUAD-DECK DROPPED BEAM DETAIL (Panels running in both directions)
   - Scale: N.T.S.
   - FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

QUAD-DECK PANEL THICKNESSES:
- 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

CONCRETE JOIST (BOTTOM) REINFORCEMENT AS SPECIFIED
- MIN. 3/4" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR
- E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
- MAX. 3/4" [100mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

NEGATIVE MOMENT REINFORCEMENT AS SPECIFIED
- OVER BEAM AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS

BEAM REINFORCEMENT AS SPECIFIED
- SLAB THICKNESS RANGE
- 2" TO 6" [50mm TO 150mm]

FLOOR FINISH AS SPECIFIED

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Quad-Deck TO CONCRETE BEAM DETAIL

QUAD-DECK FLUSHED BEAM DETAIL WITH FLOOR STEP (Panels running perpendicular to beam)

QUAD-DECK DROPPED BEAM DETAIL WITH FLOOR STEP (Panels running perpendicular to beam)

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

WALL BEYOND
BEAM REINFORCEMENT AS SPECIFIED
NEGATIVE MOMENT REINFORCEMENT AS SPECIFIED OVER BEAM AT 24" [610mm] O/C
COINCIDING WITH QUAD-DECK CONCRETE JOISTS

QUAD-DECK CONCRETE JOIST (BOTTOM) REINFORCEMENT AS SPECIFIED
CONTINUE THROUGH BEAM OR SPLICE AT BEAM MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 2" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

STEP AS SPECIFIED
SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

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2015-05-15
QUAD-DECK TO CONCRETE BEAM DETAIL
R1
8.5" x 11" [216mm x 279mm]
2021-10-01
Z. PROSTRAN
G. KUSTERMANN
QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
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-DECK TO CONCRETE BEAM DETAIL

1. QUAD-DECK FLUSHED BEAM DETAIL WITH FLOOR STEP (Panels running in both directions)
   - Scale: N.T.S.
   - SLAB REINFORCEMENT AS PER EOR
     E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY
   - CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
     MAX. 2' [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR
   - BEAM REINFORCEMENT AS SPECIFIED
   - NEGATIVE MOMENT REINFORCEMENT AS SPECIFIED
     OVER BEAM AT 24" [610mm] O/C REINFORCEMENT AS SPECIFIED
     CONVERTING WITH QUAD-DECK CONCRETE JOISTS
   - SLAB THICKNESS RANGE
     2" TO 6" [50mm TO 150mm]
   - QUAD-DECK PANEL THICKNESSES:
     7", 8", 9", 10", 11", 12" OR 12.5"
     [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
   - FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING
     SPACED @ 12" [305mm] O/C

2. QUAD-DECK DROPPED BEAM DETAIL WITH FLOOR STEP (Panels running in both directions)
   - Scale: N.T.S.
   - SLAB REINFORCEMENT AS PER EOR
     E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY
   - CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
     MAX. 2' [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR
   - BEAM REINFORCEMENT AS SPECIFIED
   - NEGATIVE MOMENT REINFORCEMENT AS SPECIFIED
     OVER BEAM AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS
   - SLAB THICKNESS RANGE
     2" TO 6" [50mm TO 150mm]
   - QUAD-DECK PANEL THICKNESSES:
     7", 8", 9", 10", 11", 12" OR 12.5"
     [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
   - FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING
     SPACED @ 12" [305mm] O/C

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2015-05-15
R1
8.5" x 11" [216mm x 279mm]

2021-10-01
NOT TO SCALE
Z. PROSTRAN
G. KUSTERMANN

QD-311
Building Systems

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-DECK UPSTAND BEAM DETAIL**

1. **QUAD-DECK UPSTAND BEAM DETAIL (Panels Parallel to Beam)**
   - **Scale:** N.T.S.
   - **QUAD-DECK PANEL THICKNESSES:** 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
   - **CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
   - MAX. 3,500 [100MPa] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR
   - **BEAM REINFORCEMENT AS SPECIFIED**
   - **SLAB THICKNESS RANGE** 2" TO 6" [50mm TO 150mm]
   - **SLAB REINFORCEMENT AS PER EOR**
   - E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY
   - **FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C
   - **CONCRETE JOIST (BOTTOM) REINFORCEMENT AS SPECIFIED**
   - MIN. 3" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR
   - **VOID FOR UTILITIES** Ø4" [121mm]
   - **NEGATIVE MOMENT REINFORCEMENT THROUGH BEAM AS SPECIFIED**
   - THROUGH BEAM AT 24" [610mm] O/C
   - **COINCIDING WITH QUAD-DECK CONCRETE JOISTS**

2. **QUAD-DECK UPSTAND BEAM DETAIL (Panels Perpendicular to Beam)**
   - **Scale:** N.T.S.
   - **QUAD-DECK PANEL THICKNESSES:** 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
   - **CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
   - MAX. 3,500 [100MPa] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR
   - **BEAM REINFORCEMENT AS SPECIFIED**
   - **SLAB THICKNESS RANGE** 2" TO 6" [50mm TO 150mm]
   - **SLAB REINFORCEMENT AS PER EOR**
   - E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY
   - **ROOF FINISH AS SPECIFIED**
   - **BEAM REINFORCEMENT AS SPECIFIED**
   - **TRANSVERSE REINFORCEMENT THROUGH BEAM AS SPECIFIED**
   - **NEGATIVE MOMENT REINFORCEMENT THROUGH BEAM AS SPECIFIED**
   - **THROUGH BEAM AT 24" [610mm] O/C**
   - **COINCIDING WITH QUAD-DECK CONCRETE JOISTS**
   - **CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
   - MAX. 3,500 [100MPa] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR
   - **BEAM REINFORCEMENT AS SPECIFIED**
   - **SLAB THICKNESS RANGE** 2" TO 6" [50mm TO 150mm]
   - **SLAB REINFORCEMENT AS PER EOR**
   - E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY
   - **ROOF FINISH AS SPECIFIED**
   - **BEAM REINFORCEMENT AS SPECIFIED**
   - **TRANSVERSE REINFORCEMENT THROUGH BEAM AS SPECIFIED**
   - **NEGATIVE MOMENT REINFORCEMENT THROUGH BEAM AS SPECIFIED**
   - **THROUGH BEAM AT 24" [610mm] O/C**
   - **COINCIDING WITH QUAD-DECK CONCRETE JOISTS**

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2015-05-15
8.5" x 11" [216mm x 279mm]
QUAD-DECK UPSTAND BEAM DETAIL
R1
2021-10-01
NOT TO SCALE
Z. PROSTRAN
G. KUSTERMANN
QD-312
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-DECK FLOOR ELEVATION CHANGE**

**QUAD-DECK STEP DETAIL DETAIL (Panels Perpendicular to Beam)**

**QUAD-DECK STEP DETAIL DETAIL (Panels Parallel to Beam)**

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**QUAD-DECK PANEL THICKNESSES:**
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**SLAB THICKNESS RANGE**
2" TO 6" [50mm TO 150mm]

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**FINISH AS SPECIFIED**

**BEAM REINFORCEMENT AS SPECIFIED**

**REBAR DOWELS WITH STD. 90° HOOKS AS SPECIFIED**

**CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR**

**FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C**

**CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
MAX. 3/4" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

**VOID FOR UTILITIES**

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**QUAD-DECK CONCRETE JOIST (BOTTOM) REINFORCEMENT AS SPECIFIED**
MIN. 3/4" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

**NEGATIVE MOMENT REINFORCEMENT DOWELS WITH STD. 90° HOOKS AS SPECIFIED AT PANEL ENDS AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS**

**CONCRETE BEAM DEPTH AS SPECIFIED**

**CONCRETE BEAM DEPTH AS SPECIFIED**

**BEAM REINFORCEMENT AS SPECIFIED**

**SLAB REINFORCEMENT AS PER EOR**
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

**SLAB THICKNESS RANGE**
2" TO 6" [50mm TO 150mm]

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**SCALE: N.T.S.**

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**QUAD-DECK CONCRETE JOIST (BOTTOM) REINFORCEMENT AS SPECIFIED**
MIN. 3/4" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

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**QUAD-DECK FLOOR ELEVATION CHANGE**

**DATE OF ISSUANCE:** 2015-05-15
**REVISION DATE:** 2021-10-01

**DRAWN BY:** Z. PROSTRAN
**APPROVED BY:** G. KUSTERMANN

**DRAWING NO:** QD-313

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**APPROVAL DATE:** QD-313

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**SCALE:** NOT TO SCALE

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**PRODUCT CODE:** 8.5" x 11" [216mm x 279mm]
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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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-Deck Utility Opening Detail**

**Quad-Deck Panel Thicknesses:**
- 7", 8", 9", 10", 11", 12" OR 12.5" (178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm)

**Concrete Compressive Strength As Specified**
- Max. 3 1/8" [10mm] aggregate and 6" [150mm] slump OR as per EOR

**Slab Thickness Range**
- 2" TO 6" [50mm TO 150mm]

**Slab Reinforcement As Per EOR**
- E.g. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

**Concrete Compression As Specified**
- Max. 3 1/8" [10mm] aggregate and 6" [150mm] slump OR as per EOR

**Concrete Joist (Bottom) Reinforcement As Specified**
- Min. 3" [20mm] concrete cover for all primary rebar OR as per EOR

**Concrete Joist (Bottom) Reinforcement As Specified**
- Min. 3 3/8" [20mm] concrete cover for all primary rebar OR as per EOR

**Concrete Cover For All Primary Rebar**
- Min. 3 3/8" [20mm] concrete cover for all primary rebar OR as per EOR

**Cross Rib Width As Specified**
- As specified

**Additional Insulation As Required**
- As specified

**Quad-Deck Panel**
- 24" [610mm] wide

**Quad-Deck Panel Thicknesses:**
- 7", 8", 9", 10", 11", 12" OR 12.5" (178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm)

**Quad-Deck Panel**
- 24" [610mm] wide

**Slab Thickness Range**
- 2" TO 6" [50mm TO 150mm]
CONCRETE BEAM SUPPORTED BY HSS COLUMN

1. QUAD-DECK FLUSHED BEAM DETAIL (Panels Perpendicular to Beam)

   - Scale: N.T.S.
   - FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C
   - SQUARE OR ROUND HOLLOW STRUCTURAL SECTION (HSS) WITH BEARING PLATE & SHEAR STUDS CAST IN PLACE
   - QUAD-DECK PANEL THICKNESSES: 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
   - FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C
   - Ø42" [121mm] VOID FOR UTILITIES
   - QUAD-DECK CONCRETE JOIST (BOTTOM) REINFORCEMENT AS SPECIFIED CONTINUE THROUGH BEAM OR SPLICE AT BEAM
   - MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR
   - CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
   - MAX. 2" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR
   - SLAB REINFORCEMENT AS PER EOR E.G. WWM 6X6 [152x152] OR #3 [10M] EACH WAY
   - TRANSVERSE REINFORCEMENT THROUGH BEAM AS SPECIFIED
   - NEGATIVE MOMENT REINFORCEMENT AS SPECIFIED THROUGH BEAM AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS

2. QUAD-DECK DROPPED BEAM DETAIL (Panels Parallel to Beam)

   - Scale: N.T.S.
   - FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C
   - SQUARE OR ROUND HOLLOW STRUCTURAL SECTION (HSS) WITH BEARING PLATE & SHEAR STUDS CAST IN PLACE
   - QUAD-DECK PANEL THICKNESSES: 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
   - Ø42" [121mm] VOID FOR UTILITIES
   - QUAD-DECK CONCRETE JOIST (BOTTOM) REINFORCEMENT AS SPECIFIED CONTINUE THROUGH BEAM OR SPLICE AT BEAM
   - MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR
   - CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
   - MAX. 2" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR
   - SLAB REINFORCEMENT AS PER EOR E.G. WWM 6X6 [152x152] OR #3 [10M] EACH WAY
   - TRANSVERSE REINFORCEMENT THROUGH BEAM AS SPECIFIED
   - NEGATIVE MOMENT REINFORCEMENT AS SPECIFIED THROUGH BEAM AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS

buildin System

Building Systems

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 Building Systems
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Canada
888.711.5625 - Toll Free
604.590.8412 - fax
www.quadlock.com

CONCRETE BEAM SUPPORTED BY HSS COLUMN

2016-09-19
R1
8.5" x 11" [216mm x 279mm]
2021-10-01
NOT TO SCALE
Z. PROSTRAN
G. KUSTERMANN

QD-316
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-DECK TO STEEL BEAM DETAIL

**QUAD-DECK TO DROPPED PERIMETER STEEL BEAM DETAIL (Panels Perpendicular to Beam)**

1. **QUAD-DECK PANEL THICKNESSES:**
   - 7", 8", 10", 11", 12" OR 12.5"
   - [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

2. **QUAD-DECK CONCRETE BEAM REINFORCEMENT AS SPECIFIED**: BEND UP INTO BEAM AS SHOWN MIN. 3/4" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

3. **SLAB THICKNESS RANGE**: 2" TO 6" [50mm TO 150mm]

4. **CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**: MAX. 2500 [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

5. **FINISH AS SPECIFIED**

6. **BEAM REINFORCEMENT AS SPECIFIED**

7. **FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C**

8. **NEGATIVE MOMENT REINFORCEMENT DOWELS WITH STD. 90° HOOKS AS SPECIFIED AT PANEL ENDS 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS**

**QUAD-DECK TO FLUSHED PERIMETER STEEL BEAM DETAIL (Panels Perpendicular to Beam)**

1. **QUAD-DECK PANEL THICKNESSES:**
   - 7", 8", 10", 11", 12" OR 12.5"
   - [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

2. **QUAD-DECK CONCRETE BEAM REINFORCEMENT AS SPECIFIED**: BEND UP INTO BEAM AS SHOWN MIN. 3/4" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

3. **SLAB THICKNESS RANGE**: 2" TO 6" [50mm TO 150mm]

4. **CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**: MAX. 2500 [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

5. **FINISH AS SPECIFIED**

6. **BEAM REINFORCEMENT AS SPECIFIED**

7. **MITER CUT PANEL ENDS TO ALLOW CONCRETE MIX FLOW (DONE ON SITE BY CONTRACTOR)**

8. **FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C**

9. **NEGATIVE MOMENT REINFORCEMENT DOWELS WITH STD. 90° HOOKS AS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS**

**SLAB THICKNESS RANGE**
- 2" TO 6" [50mm TO 150mm]

**QUAD-DECK PANEL THICKNESSES**
- 7", 8", 9", 10", 11", 12" OR 12.5"
- [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**QUAD-DECK CONCRETE BEAM REINFORCEMENT AS SPECIFIED**: BEND UP INTO BEAM AS SHOWN MIN. 3/4" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

**CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**: MAX. 2500 [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

**FINISH AS SPECIFIED**

**BEAM REINFORCEMENT AS SPECIFIED**

**FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C**

**NEGATIVE MOMENT REINFORCEMENT DOWELS WITH STD. 90° HOOKS AS SPECIFIED AT PANEL ENDS 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS**

**SLAB REINFORCEMENT AS PER EOR**
- E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

**CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**: MAX. 3800 [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

**FINISH AS SPECIFIED**

**NEGATIVE MOMENT REINFORCEMENT DOWELS WITH STD. 90° HOOKS AS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS**

**STEEL BEAM W/ SHEAR STUDS AS SPECIFIED**

**MITER CUT PANEL ENDS TO ALLOW CONCRETE MIX FLOW (DONE ON SITE BY CONTRACTOR)**

**FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C**

**NEGATIVE MOMENT REINFORCEMENT DOWELS WITH STD. 90° HOOKS AS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS**

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**MITER CUT PANEL ENDS TO ALLOW CONCRETE MIX FLOW (DONE ON SITE BY CONTRACTOR)**

**FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C**

**NEGATIVE MOMENT REINFORCEMENT DOWELS WITH STD. 90° HOOKS AS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS**

**STEEL BEAM W/ SHEAR STUDS AS SPECIFIED**

**MITER CUT PANEL ENDS TO ALLOW CONCRETE MIX FLOW (DONE ON SITE BY CONTRACTOR)**

**FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C**

**NEGATIVE MOMENT REINFORCEMENT DOWELS WITH STD. 90° HOOKS AS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS**

**STEEL BEAM W/ SHEAR STUDS AS SPECIFIED**

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**STEEL BEAM W/ SHEAR STUDS AS SPECIFIED**

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**NEGATIVE MOMENT REINFORCEMENT DOWELS WITH STD. 90° HOOKS AS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS**

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**MITER CUT PANEL ENDS TO ALLOW CONCRETE MIX FLOW (DONE ON SITE BY CONTRACTOR)**

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**NEGATIVE MOMENT REINFORCEMENT DOWELS WITH STD. 90° HOOKS AS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS**

**STEEL BEAM W/ SHEAR STUDS AS SPECIFIED**

**MITER CUT PANEL ENDS TO ALLOW CONCRETE MIX FLOW (DONE ON SITE BY CONTRACTOR)**

**FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C**
**Quad-Deck to Steel Beam Detail**

1. **Quad-Deck to Dropped Perimeter Steel Beam Detail** (Panels Parallel to Beam)
   - **Scale:** N.T.S.
   - **QUAD-DECK PANEL WIDTH:** 2'-0" [610mm]
   - **QUAD-DECK Panel Thicknesses:** 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
   - **QUAD-DECK Concrete Beam Reinforcement as Specified:** Min. 3/8" [20mm] concrete cover for all primary rebar or as per EOR
   - **Steel Beam w/ Welded Nelson Studs as Specified:**
   - **Fasten Ceiling Finish to Quad-Deck Integrated Metal Furring Spaced at 12" [305mm] O/C:**
   - **Rebar Dowels with Std. 90° Hooks as Specified:**
   - **Slab Reinforcement as Specified E.G. WWM 6X6 [152X152] or #3 [10M] Each Way:**
   - **Concrete Compressive Strength as Specified**
   - **Max. 3/8" [10mm] Aggregate and 6" [150mm] Slump or as per EOR:**

2. **Quad-Deck to Flushed Perimeter Steel Beam Detail** (Panels Parallel to Beam)
   - **Scale:** N.T.S.
   - **QUAD-DECK PANEL WIDTH:** 2'-0" [610mm]
   - **QUAD-DECK Panel Thicknesses:** 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
   - **QUAD-DECK Concrete Beam Reinforcement as Specified:** Min. 3/8" [20mm] concrete cover for all primary rebar or as per EOR
   - **Steel Beam w/ Welded Nelson Studs as Specified:**
   - **Fasten Ceiling Finish to Quad-Deck Integrated Metal Furring Spaced at 12" [305mm] O/C:**
   - **Rebar Dowels with Std. 90° Hooks as Specified:**
   - **Slab Reinforcement as Specified E.G. WWM 6X6 [152X152] or #3 [10M] Each Way:**
   - **Concrete Compressive Strength as Specified**
   - **Max. 3/8" [10mm] Aggregate and 6" [150mm] Slump or as per EOR:**

**Building Systems**

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**Comments:**

- **Drawing No:** R1
- **Scale:** NOT TO SCALE
- **Date Drawn:** 2021-10-01
- **Approvers:**
  - Z. PROSTRAN
  - G. KUSTERMANN

**QUAD-DECK TO STEEL BEAM DETAIL**

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QUAD-DECK TO STEEL BEAM DETAIL

1. QUAD-DECK TO FLUSHED STEEL BEAM DETAIL (Panels Perpendicular to Beam)
   - SLAB THICKNESS RANGE: 2" TO 6" [50mm TO 150mm]
   - QUAD-DECK PANEL THICKNESSES: 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
   - QUAD-DECK CONCRETE BEAM REINFORCEMENT AS SPECIFIED
     - BEND UP INTO BEAM AS SHOWN
     - MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR
   - FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C
   - MITER CUT PANEL ENDS TO ALLOW CONCRETE MIX FLOW (DONE ON SITE BY CONTRACTOR)
   - STEEL BEAM W/ WELDED NELSON STUDS AS SPECIFIED

2. QUAD-DECK TO DROPPED BEAM DETAIL (Panels Perpendicular to Beam)
   - SLAB THICKNESS RANGE: 2" TO 6" [50mm TO 150mm]
   - QUAD-DECK PANEL THICKNESSES: 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
   - QUAD-DECK CONCRETE BEAM REINFORCEMENT AS SPECIFIED
     - BEND UP INTO BEAM AS SHOWN
     - MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR
   - NEGATIVE MOMENT REINFORCEMENT AS SPECIFIED OVER STEEL BEAM SPACED AT 24" [610mm] O/C
     - COINCIDING WITH QUAD-DECK CONCRETE JOISTS
   - CONCRETE COMPRRESSIVE STRENGTH AS SPECIFIED
     - MAX. 3,000 lb/in² [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

FINISH AS SPECIFIED

CONCRETE JOISTS

MITER CUT PANEL ENDS TO ALLOW CONCRETE MIX FLOW (DONE ON SITE BY CONTRACTOR)

SHEET INSULATION TO PREVENT THERMAL BRIDGING

NEGATIVE MOMENT REINFORCEMENT AS SPECIFIED OVER STEEL BEAM SPACED AT 24" [610mm] O/C

STEEL BEAM W/ WELDED NELSON STUDS AS SPECIFIED

QUAD-DECK TO FLUSHED STEEL BEAM DETAIL

FINISH AS SPECIFIED

NEGATIVE MOMENT REINFORCEMENT AS SPECIFIED OVER STEEL BEAM SPACED AT 24" [610mm] O/C

CONCRETE COMPRRESSIVE STRENGTH AS SPECIFIED

STEEL BEAM W/ WELDED NELSON STUDS AS SPECIFIED

QUAD-DECK TO DROPPED BEAM DETAIL
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-DECK TO STEEL BEAM DETAIL**

**QUAD-DECK TO FLUSHED STEEL BEAM DETAIL (Panels Parallel to Beam)**

Scale: N.T.S.

**QUAD-DECK TO DROPPED STEEL BEAM DETAIL (Panels Parallel to Beam)**

Scale: N.T.S.

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**QUAD-DECK TO STEEL BEAM DETAIL**

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**Quad-Deck to Steel Beam Detail**

**Panel Perpendicular to Beam**

1. **Quad-Deck** panel thicknesses: 7", 8", 9", 10", 11", 12", or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

2. **Quad-Deck** concrete beam reinforcement as specified for all primary rebar or as per EOR

**Panel Perpendicular & Parallel to Beam**

1. **Quad-Deck** panel thicknesses: 7", 8", 9", 10", 11", 12", or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

2. **Quad-Deck** concrete beam reinforcement as specified for all primary rebar or as per EOR

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**Details:**

- **Concrete Compressive Strength:** Specified
- **Negative Moment Reinforcement:** Specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Fasten Ceiling Finish:** To quad-deck integrated metal furring spaced @ 12" [305mm] O/C
- **Steel Beam with Welded Nelson Studs:** Specified alternately offset studs left and right
- **Ø4 [12mm] Void for Utilities**
- **Slab Thickness Range:** 2" to 6" [50mm to 150mm]
- **Neg. Moment Reinforcement** as specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Concrete Cover:** Min. 1/2" [20mm] for all primary rebar or as per EOR
- **Slab Reinforcement:** As per EOR
- **Steel Beam:** With welded Nelson studs as specified alternately offset studs left and right
- **Concrete Compressive Strength:** Specified
- **Max. 2" [10mm] Aggregate and 6" [150mm] Slump**
- **Finish:** As specified
- **Negative Moment Reinforcement:** As specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Steel Beam with Welded Nelson Studs:** As specified alternately offset studs left and right
- **Ø4 [12mm] Void for Utilities**
- **Slab Thickness Range:** 2" to 6" [50mm to 150mm]
- **Neg. Moment Reinforcement** as specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Concrete Cover:** Min. 1/2" [20mm] for all primary rebar or as per EOR
- **Slab Reinforcement:** As per EOR
- **Steel Beam:** With welded Nelson studs as specified alternately offset studs left and right
- **Concrete Compressive Strength:** Specified
- **Max. 2" [10mm] Aggregate and 6" [150mm] Slump**
- **Finish:** As specified
- **Negative Moment Reinforcement:** As specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Steel Beam with Welded Nelson Studs:** As specified alternately offset studs left and right
- **Ø4 [12mm] Void for Utilities**
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- **Neg. Moment Reinforcement** as specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Concrete Cover:** Min. 1/2" [20mm] for all primary rebar or as per EOR
- **Slab Reinforcement:** As per EOR
- **Steel Beam:** With welded Nelson studs as specified alternately offset studs left and right
- **Concrete Compressive Strength:** Specified
- **Max. 2" [10mm] Aggregate and 6" [150mm] Slump**
- **Finish:** As specified
- **Negative Moment Reinforcement:** As specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Steel Beam with Welded Nelson Studs:** As specified alternately offset studs left and right
- **Ø4 [12mm] Void for Utilities**
- **Slab Thickness Range:** 2" to 6" [50mm to 150mm]
- **Neg. Moment Reinforcement** as specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Concrete Cover:** Min. 1/2" [20mm] for all primary rebar or as per EOR
- **Slab Reinforcement:** As per EOR
- **Steel Beam:** With welded Nelson studs as specified alternately offset studs left and right
- **Concrete Compressive Strength:** Specified
- **Max. 2" [10mm] Aggregate and 6" [150mm] Slump**
- **Finish:** As specified
- **Negative Moment Reinforcement:** As specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Steel Beam with Welded Nelson Studs:** As specified alternately offset studs left and right
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- **Slab Reinforcement:** As per EOR
- **Steel Beam:** With welded Nelson studs as specified alternately offset studs left and right
- **Concrete Compressive Strength:** Specified
- **Max. 2" [10mm] Aggregate and 6" [150mm] Slump**
- **Finish:** As specified
- **Negative Moment Reinforcement:** As specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Steel Beam with Welded Nelson Studs:** As specified alternately offset studs left and right
- **Ø4 [12mm] Void for Utilities**
- **Slab Thickness Range:** 2" to 6" [50mm to 150mm]
- **Neg. Moment Reinforcement** as specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Concrete Cover:** Min. 1/2" [20mm] for all primary rebar or as per EOR
- **Slab Reinforcement:** As per EOR
- **Steel Beam:** With welded Nelson studs as specified alternately offset studs left and right
- **Concrete Compressive Strength:** Specified
- **Max. 2" [10mm] Aggregate and 6" [150mm] Slump**
- **Finish:** As specified
- **Negative Moment Reinforcement:** As specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Steel Beam with Welded Nelson Studs:** As specified alternately offset studs left and right
- **Ø4 [12mm] Void for Utilities**
- **Slab Thickness Range:** 2" to 6" [50mm to 150mm]
- **Neg. Moment Reinforcement** as specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Concrete Cover:** Min. 1/2" [20mm] for all primary rebar or as per EOR
- **Slab Reinforcement:** As per EOR
- **Steel Beam:** With welded Nelson studs as specified alternately offset studs left and right
- **Concrete Compressive Strength:** Specified
- **Max. 2" [10mm] Aggregate and 6" [150mm] Slump**
- **Finish:** As specified
- **Negative Moment Reinforcement:** As specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Steel Beam with Welded Nelson Studs:** As specified alternately offset studs left and right
- **Ø4 [12mm] Void for Utilities**
- **Slab Thickness Range:** 2" to 6" [50mm to 150mm]
- **Neg. Moment Reinforcement** as specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Concrete Cover:** Min. 1/2" [20mm] for all primary rebar or as per EOR
- **Slab Reinforcement:** As per EOR
- **Steel Beam:** With welded Nelson studs as specified alternately offset studs left and right
- **Concrete Compressive Strength:** Specified
- **Max. 2" [10mm] Aggregate and 6" [150mm] Slump**
- **Finish:** As specified
- **Negative Moment Reinforcement:** As specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Steel Beam with Welded Nelson Studs:** As specified alternately offset studs left and right
- **Ø4 [12mm] Void for Utilities**
- **Slab Thickness Range:** 2" to 6" [50mm to 150mm]
- **Neg. Moment Reinforcement** as specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Concrete Cover:** Min. 1/2" [20mm] for all primary rebar or as per EOR
- **Slab Reinforcement:** As per EOR
- **Steel Beam:** With welded Nelson studs as specified alternately offset studs left and right
- **Concrete Compressive Strength:** Specified
- **Max. 2" [10mm] Aggregate and 6" [150mm] Slump**
- **Finish:** As specified
- **Negative Moment Reinforcement:** As specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Steel Beam with Welded Nelson Studs:** As specified alternately offset studs left and right
- **Ø4 [12mm] Void for Utilities**
- **Slab Thickness Range:** 2" to 6" [50mm to 150mm]
- **Neg. Moment Reinforcement** as specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Concrete Cover:** Min. 1/2" [20mm] for all primary rebar or as per EOR
- **Slab Reinforcement:** As per EOR
- **Steel Beam:** With welded Nelson studs as specified alternately offset studs left and right
- **Concrete Compressive Strength:** Specified
- **Max. 2" [10mm] Aggregate and 6" [150mm] Slump**
- **Finish:** As specified
- **Negative Moment Reinforcement:** As specified over steel beam spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists
- **Steel Beam with Welded Nelson Studs:** As specified alternately offset studs left and right
- **Ø4 [12mm] Void for Utilities**
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-DECK TO STEEL BEAM DETAIL

Scale: N.T.S.

QUAD-DECK CONTINUOUS OVER STEEL BEAM

1

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"

[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

EPS FOAM REMOVED @ STEEL BEAM TO ALLOW CONCRETE TO BOND TO THE SHEAR STUD

STEEL BEAM DROPPED BELOW QUAD-DECK

SHEAR STUDs WELDED TO STEEL BEAM @ 24" [610mm] O/C TO MATCH CONCRETE BEAMS

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 2" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

QUAD-DECK TO STEEL BEAM DETAIL

Scale: N.T.S.

DETAIL A-A

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"

[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

EPS FOAM REMOVED @ STEEL BEAM TO ALLOW CONCRETE TO BOND TO THE SHEAR STUD

STEEL BEAM DROPPED BELOW QUAD-DECK

SHEAR STUD WELDED TO STEEL BEAM

STEEL BEAM

QUAD-DECK CONCRETE BEAM REINFORCEMENT AS SPEC'D
MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

NEGATIVE MOMENT REINFORCEMENT AS SPECIFIED
SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS

CONCRETE BEAM REINFORCEMENT AS SPEC'D
MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

NEGATIVE MOMENT REINFORCEMENT AS SPECIFIED
SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"

[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
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QUAD-DECK PERPENDICULAR TO DELTABEAM

Scale: N.T.S.

1. **SLAB REINFORCEMENT AS PER EOR**
   E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

2. **CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
   MAX. $2'' [100mm] AGGREGATE AND 6'' [150mm] SLUMP OR AS PER EOR

3. **SLAB THICKNESS RANGE**
   2'' TO 6'' [50mm TO 150mm]

4. **INSUL-DECK PANEL THICKNESSES:**
   7'', 8'', 9'', 10'', 11'', 12'' OR 12.5''
   [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

5. **MINIMUM 3'' [75mm] BEARING WIDTH**
   OF INSUL-DECK ON DELTABEAM FLANGES

6. **DELTABEAM AS SPECIFIED (IDB 10-24 SHOWN)**

7. **QUAD-DECK TO DELTABEAM DETAIL**

Scale: N.T.S.

QUAD-DECK PARALLEL TO DELTABEAM

1. **SLAB REINFORCEMENT AS PER EOR**
   E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

2. **CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
   MAX. $2'' [100mm] AGGREGATE AND 6'' [150mm] SLUMP OR AS PER EOR

3. **SLAB THICKNESS RANGE**
   2'' TO 6'' [50mm TO 150mm]

4. **INSUL-DECK PANEL THICKNESSES:**
   7'', 8'', 9'', 10'', 11'', 12'' OR 12.5''
   [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

5. **MINIMUM 3'' [75mm] BEARING WIDTH**
   OF QUAD-DECK ON DELTABEAM FLANGES

6. **DELTABEAM AS SPECIFIED (IDB 10-24 SHOWN)**

7. **QUAD-DECK CONCRETE BEAM REINF. AS SPECIFIED**
   WITH STD. 90° END HOOK IF REQUIRED

8. **MIN. 2'' [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR**

9. **OPTIONAL: INSULATION BOARD WITH POLYURETHANE SPRAYFOAM TO CLOSE OFF THE END GAPS**

10. **MAX. 2'' [70mm] FOR DELTABEAM FIRE REBARS**

11. **QUAD-DECK TO DELTABEAM**
    Scale: N.T.S.

12. **CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
    MAX. $2'' [100mm] AGGREGATE AND 6'' [150mm] SLUMP OR AS PER EOR

13. **SLAB THICKNESS RANGE**
    2'' TO 6'' [50mm TO 150mm]

14. **OPTIONAL: INSULATION BOARD WITH POLYURETHANE SPRAYFOAM TO CLOSE OFF THE END GAPS**

15. **CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
    MAX. $2'' [100mm] AGGREGATE AND 6'' [150mm] SLUMP OR AS PER EOR

16. **SLAB THICKNESS RANGE**
    2'' TO 6'' [50mm TO 150mm]

17. **OPTIONAL: INSULATION BOARD WITH POLYURETHANE SPRAYFOAM TO CLOSE OFF THE END GAPS**

**QUAD-LOCK BUILDING SYSTEMS**

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2015-05-25
2021-10-01
Z. PROSTRAN
G. KUSTERMANN

QUAD-DECK CONCRETE BEAM REINF. AS SPECIFIED
OVER DELTABEAM SPACED AT 24" [610mm] O/C
COINCIDING WITH INSUL-DECK CONCRETE JOISTS

SLAB REINFORCEMENT AS SPECIFIED
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. $2'' [100mm] AGGREGATE AND 6'' [150mm] SLUMP OR AS PER EOR

FINISH AS SPECIFIED
SLAB THICKNESS RANGE
2'' TO 6'' [50mm TO 150mm]

INSUL-DECK CONCRETE BEAM REINF. AS SPECIFIED
WITH STD. 90° END HOOK IF REQUIRED
MIN. 2'' [20mm] CONCRETE COVER
FOR ALL PRIMARY REBAR OR AS PER EOR

OPTIONAL: INSULATION BOARD WITH POLYURETHANE SPRAYFOAM TO CLOSE OFF THE END GAPS

MAX. 2'' [70mm] FOR DELTABEAM FIRE REBARS

FINISH AS SPECIFIED
SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. $2'' [100mm] AGGREGATE AND 6'' [150mm] SLUMP OR AS PER EOR

FINISH AS SPECIFIED
SLAB THICKNESS RANGE
2'' TO 6'' [50mm TO 150mm]

INSUL-DECK CONCRETE BEAM REINF. AS SPECIFIED
WITH STD. 90° END HOOK IF REQUIRED
MIN. 2'' [20mm] CONCRETE COVER
FOR ALL PRIMARY REBAR OR AS PER EOR

OPTIONAL: INSULATION BOARD WITH POLYURETHANE SPRAYFOAM TO CLOSE OFF THE END GAPS

MAX. 2'' [70mm] FOR DELTABEAM FIRE REBARS
REINFORCEMENT FOR PARAPET WALL (IF SPECIFIED)

QUAD-LOCK METAL TRACK

TOP OF WALL REINFORCEMENT AS SPECIFIED

REBAR DOWELS WITH STD. 90° HOOKS AS SPECIFIED

SLOPE AND ROOF FINISH AS SPECIFIED

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED

MAX. 3" [75mm] AGGREGATE AND 6" [150mm] SLUMP

OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR

E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

SLAB THICKNESS RANGE

2" TO 6" [50mm TO 150mm]

QUAD-DECK PANEL WIDTH

2'-0" [600mm]

QUAD-DECK PANEL THICKNESSES:

7", 8", 9", 10", 11", 12" OR 12.5"

[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED

MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR

OR AS PER EOR

QUAD-DECK PANELS PARALLEL TO TOP OF QUAD-LOCK WALL

Scale: N.T.S.

QUAD-DECK FLAT ROOF DETAIL

2015-03-15

R1

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

2021-10-01

Z. PROSTRAN

G. KUSTERMANN

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SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.
1. QUAD-DECK GREEN ROOF - PANELS PARALLEL TO TOP OF QUAD-LOCK WALL

Scale: N.T.S.

QUAD-DECK GREEN ROOF DETAIL

DATE DRAWN: 2015-03-15
DRAWN BY: Z. PROSTRAN
REVISION NO: R1
DATE DRAWN: 2021-10-01
APPROVED BY: G. KUSTERMANN

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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-Deck Flat Roof Detail

Quad-Deck Panels Parallel to Top of Quad-Lock Wall

Scale: N.T.S.

QUAD-DECK FLAT ROOF DETAIL

2015-03-15  N/A

R1  8.5" x 11" [216mm x 279mm]

2021-10-01  NOT TO SCALE

Z. PROSTRAN  G. KUSTERMANN

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Quad-Lock Metal Track
Top of Wall Reinforcement as Specified
Rebar Dowels with Std. 90° Hooks as Specified
WATERPROOFING AS SPECIFIED
Min. 2% Drain Slope or as specified
Concrete Compressive Strength as Specified
Max. 2" [10mm] Aggregate and 6" [150mm] Slump or as EOR
Slab Reinforcement as Per EOR
E.G. WWM 6X6 [152X152] or #3 [10M] Each Way
Slab Thickness Range
2" to 6" [50mm to 150mm]

Quad-Deck Panel Width
2'-0" [610mm]

Quad-Deck Panel Thicknesses:
7", 8", 9", 10", 11", 12" or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

Quad-Deck Concrete Joist Reinforcement as Specified
Min. 2" [20mm] Concrete Cover for All Primary Rebar or as Per EOR

Quad-Deck Panel - Expanded Polystyrene (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

Quad-Deck Wall - Concrete Thickness and Insulation as Specified

SLAB THICKNESS RANGE
2" TO 6" [50MM TO 150MM]

Fasten Ceiling Finish to Quad-Deck Integrated Metal Furring Spaced @ 12" [305mm] O/C

Quad-Deck Concrete Joist Reinforcement as Specified
Min. 2" [20mm] Concrete Cover for All Primary Rebar or as Per EOR

Quad-Deck Panel Width
2'-0" [610mm]

Quad-Deck Panel Thicknesses:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

Quad-Deck Concrete Joist Reinforcement as Specified
Min. 2" [20mm] Concrete Cover for All Primary Rebar or as Per EOR

Quad-Deck Panel - Expanded Polystyrene (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

Quad-Deck Wall - Concrete Thickness and Insulation as Specified

1 QUAD-DECK PANELS PARALLEL TO TOP OF QUAD-LOCK WALL

Scale: N.T.S.
NEGATIVE MOMENT REINF. DOWELS WITH STD. 90° HOOKS AS SPECIFIED AT PANEL ENDS 24" [610mm] O/C COINCIDING W/ QUAD-DECK CONCRETE JOISTS 

(IN COLDER CLIMATES) COVER ENDS OF METAL STRIPS WITH AT LEAST 2" [50mm] INSULATION

QUAD-LOCK METAL TRACK

TOP OF WALL REINFORCEMENT AS SPECIFIED

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED MAX. 3 1/8" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

SLAB THICKNESS RANGE 2" TO 6" [50mm TO 150mm]

QUAD-DECK PANELS PERPENDICULAR TO TOP OF QUAD-LOCK WALL

Scale: N.T.S.

QUAD-LOCK PANELS PERPENDICULAR TO TOP OF QUAD-LOCK WALL

QUAD-DECK FLAT ROOF DETAIL

METAL FASCIA

COUNTER-FLASHING

BLOCKING

QUAD-LOCK METAL TRACK

TOP OF WALL REINFORCEMENT AS SPECIFIED

NEGATIVE MOMENT REINF. DOWELS WITH STD. 90° HOOKS AS SPECIFIED AT PANEL ENDS 24" [610mm] O/C COINCIDING W/ QUAD-DECK CONCRETE JOISTS 

(IN COLDER CLIMATES) COVER ENDS OF METAL STRIPS WITH AT LEAST 2" [50mm] INSULATION

QUAD-LOCK METAL TRACK

TOP OF WALL REINFORCEMENT AS SPECIFIED

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED MAX. 3 1/8" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

SLAB THICKNESS RANGE 2" TO 6" [50mm TO 150mm]

QUAD-DECK PANELS PERPENDICULAR TO TOP OF QUAD-LOCK WALL

Scale: N.T.S.

QUAD-DECK FLAT ROOF DETAIL

METAL FASCIA

COUNTER-FLASHING

BLOCKING

QUAD-LOCK METAL TRACK

TOP OF WALL REINFORCEMENT AS SPECIFIED

NEGATIVE MOMENT REINF. DOWELS WITH STD. 90° HOOKS AS SPECIFIED AT PANEL ENDS 24" [610mm] O/C COINCIDING W/ QUAD-DECK CONCRETE JOISTS 

(IN COLDER CLIMATES) COVER ENDS OF METAL STRIPS WITH AT LEAST 2" [50mm] INSULATION

QUAD-LOCK METAL TRACK

TOP OF WALL REINFORCEMENT AS SPECIFIED

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED MAX. 3 1/8" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

SLAB THICKNESS RANGE 2" TO 6" [50mm TO 150mm]

QUAD-DECK PANELS PERPENDICULAR TO TOP OF QUAD-LOCK WALL

Scale: N.T.S.
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**QUAD-DECK FLAT ROOF - CONCRETE OVERHANG**

**QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)**
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

**QUAD-LOCK WALL - CONCRETE THICKNESS AND INSULATION AS SPECIFIED**

**CONCRETE OVERHANG - QUAD-DECK PANELS PARALLEL TO QUAD-LOCK WALL**

Scale: N.T.S.
CONCRETE OVERHANG - QUAD-DECK PANELS PERPENDICULAR TO QUAD-LOCK WALL

1. CONCRETE OVERHANG - QUAD-DECK PANELS PERPENDICULAR TO QUAD-LOCK WALL

Scale: N.T.S.

Details:
- **TOP OF WALL REINFORCEMENT AS SPECIFIED**
- **BEVEL INSIDE QUAD-LOCK PANEL EDGE**
- **OVERHANG REINFORCEMENT AS SPECIFIED**
- **FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C**
- **QUAD-LOCK WALL - CONCRETE THICKNESS AND INSULATION AS SPECIFIED**
- **QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS) 3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]**
- **QUAD-LOCK YELLOW TIE**
- **QUAD-LOCK WALL - CONCRETE THICKNESS AND INSULATION AS SPECIFIED**
- **CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED MAX. 3" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR**
- **SLAB REINFORCEMENT AS PER EOR E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY**
- **SLAB THICKNESS RANGE 2" TO 6" [50mm TO 150mm]**
- **DRAIN SLOPE AS SPECIFIED**
- **QUAD-DECK PANEL THICKNESSES: 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]**
- **QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR**
- **OVERHANG REINFORCEMENT AS SPECIFIED**
- **NEGATIVE MOMENT REINF. DOWELS WITH STD. 90° HOOKS AS SPECIFIED AT PANEL ENDS 24" [610mm] O/C COINCIDING W/ QUAD-DECK CONCRETE JOISTS**
- **IN COLDER CLIMATES COVER ENDS OF METAL STRIPS WITH AT LEAST 2" [50mm] INSULATION**
- **FINISH AND WATERPROOFING AS SPECIFIED**
- **VERTICAL WALL REINFORCEMENT AS SPECIFIED**
- **HORIZONTAL WALL REINFORCEMENT AS SPECIFIED**
- **QUAD-LOCK YELLOW TIE**
- **QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS) 3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]**
- **QUAD-LOCK WALL - CONCRETE THICKNESS AND INSULATION AS SPECIFIED**

**NOTES:**
- **FINISH AND WATERPROOFING AS SPECIFIED**
- **TOP OF WALL REINFORCEMENT AS SPECIFIED**
- **BEVEL INSIDE QUAD-LOCK PANEL EDGE**
- **OVERHANG REINFORCEMENT AS SPECIFIED**
- **FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C**
- **QUAD-LOCK WALL - CONCRETE THICKNESS AND INSULATION AS SPECIFIED**
- **QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS) 3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]**
- **QUAD-LOCK YELLOW TIE**
- **QUAD-LOCK WALL - CONCRETE THICKNESS AND INSULATION AS SPECIFIED**

**Scale:** N.T.S.

**QUAD-DECK FLAT ROOF - CONCRETE OVERHANG**

**Drawn by:** Z. PROSTRAN

**Approved by:** G. KUSTERMANN

**Date:** 2021-10-01

**Rev:** R1

**Overall Dimensions:** 8.5" x 11" [216mm x 279mm]

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

**Revision Date:** 2015-03-15

**Comments:** N/A

**Quadrant:** QD-507

**Quad-Lock Building Systems**

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CONCRETE OVERHANG - INSUL-DECK PANELS PERPENDICULAR TO ICF WALL

Scale: N.T.S.

1. CONCRETE OVERHANG

- TOP OF WALL REINFORCEMENT
- OVERHANG REINFORCEMENT AS SPECIFIED
- FINISH & WATERPROOFING AS SPECIFIED
- ROOF DRAIN AS SPECIFIED
- METAL FASCIA WITH COUNTER-FLASHING
- BLOCKING
- ICF FORM MITERED AT TOP
- DOWNSPOUTS CUT INTO ICF EPS
  (AFTER CONCRETE POUR/CURE)
  SPRAYFOAM IN PLACE
- OVERHANG AS SPECIFIED
- EXTERIOR FINISH AS SPECIFIED
  IF STUCCO, APPLY REINFORCEMENT MESH
  FOR FULL HEIGHT OF DOWNSPOUT
- ICF WEB/TIE
- ICF WALL PANEL - EXPANDED POLYSTYRENE (EPS)
- ICF WALL CONCRETE THICKNESS AND INSULATION AS SPECIFIED
- DRAIN SLOPE AS SPECIFIED
- INSUL-DECK CONCRETE BEAM REINFORCEMENT AS SPECIFIED
- MIN. 3/4" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR
  OR AS PER EOR
- FASTEN CEILING FINISH TO INSUL-DECK INTEGRATED METAL FURRING
  SPACED @ 12" [305mm] O/C
- HORIZONTAL WALL REINFORCEMENT AS SPECIFIED
- VERTICAL WALL REINFORCEMENT AS SPECIFIED

QUAD-DECK FLAT ROOF WITH CONCRETE OVERHANG

Scale: N.T.S.

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
 MAX. 3 8" [10mm] AGGREGATE AND 6" [150mm] SLUMP
 OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] E/W

TAPERED INSULATION FOR DRAINAGE AS SPECIFIED

NEGATIVE MOMENT REINF. DOWELS
WITH STD. 90° HOOKS AS SPECIFIED
AT PANEL ENDS 24" [610mm] O/C
COINCIDING W/ QUAD-DECK CONCRETE JOISTS

(IN COLDER CLIMATES)
COVER ENDS OF METAL STRIPS
WITH AT LEAST 2" [50mm] INSULATION

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

INSUL-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

ICF WEB/TIE
ICF WALL PANEL - EXPANDED POLYSTYRENE (EPS)
ICF WALL CONCRETE THICKNESS AND INSULATION AS SPECIFIED

DRAINAGE AS SPECIFIED

METAL FASCIA WITH
COUNTER-FLASHING
BLOCKING

DOWNSPOUTS CUT INTO ICF EPS
(AFTER CONCRETE POUR/CURE)
SPRAYFOAM IN PLACE

DRAIN SLOPE AS SPECIFIED
INSUL-DECK CONCRETE BEAM REINFORCEMENT AS SPECIFIED
MIN. 3/4" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

FASTEN CEILING FINISH TO INSUL-DECK INTEGRATED METAL FURRING
SPACED @ 12" [305mm] O/C

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED
VERTICAL WALL REINFORCEMENT AS SPECIFIED

ICF WEB/TIE
ICF WALL PANEL - EXPANDED POLYSTYRENE (EPS)
ICF WALL CONCRETE THICKNESS AND INSULATION AS SPECIFIED

1. CONCRETE OVERHANG - INSUL-DECK PANELS PERPENDICULAR TO ICF WALL

Scale: N.T.S.

CONCRETE OVERHANG - INSUL-DECK PANELS PERPENDICULAR TO ICF WALL

Scale: N.T.S.

1. CONCRETE OVERHANG - INSUL-DECK PANELS PERPENDICULAR TO ICF WALL

Scale: N.T.S.
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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IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.

QUAD-DECK FLAT ROOF WITH DRAIN AND PARAPET

QUAD-DECK PANELS PARALLEL TO TOP OF QUAD-LOCK WALL

Scale: N.T.S.

1. QUAD-DECK PANELS PARALLEL TO TOP OF QUAD-LOCK WALL

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED

MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED

MAX. 3/8" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR

E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

SLOPE AND ROOF FINISH AS SPECIFIED

METAL GUTTER AS SPECIFIED

REBAR DOWELS WITH STD. 90° HOOK AS SPECIFIED

WATERPROOFING

CONTRACTOR

Z. PROSTRAN

APPROVED BY

G. KUSTERMANN

DATE

2021-10-01

SHEET SIZE

8.5" x 11" [216mm x 279mm]
CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 2" [10mm] AGGREGATE AND 3" [75mm] SLUMP
OR AS PER EOR
SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

NEGATIVE MOMENT REINF. DOWELS
WITH STD. HOOKS AS SPECIFIED
AT PANEL ENDS 24" [610mm] O/C
COINCIDING W/ QUAD-DECK CONCRETE JOISTS

ROOFING/FINISH AS SPECIFIED
METAL FLASHING WITH Drip Ledge

EXTERIOR WALL FINISH AS SPECIFIED

QUAD-DECK WALL - CONCRETE THICKNESS AND INSULATION AS SPECIFIED
CUT OUT QUAD-LOCK WALL EPS FOAM AT EVERY CONCRETE JOIST
(IN COLDER CLIMATES) COVER ENDS OF METAL STRIPS
WITH AT LEAST 2" [50mm] INSULATION
HORIZONTAL WALL REINFORCEMENT AS SPECIFIED
VERTICAL WALL REINFORCEMENT AS SPECIFIED
QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]
QUAD-LOCK YELLOW TIE

Field Cut Ends of Quad-Deck Panels
Waste

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED
METAL FURRING SPACED @ 12" [305mm] O/C

ROOFING/FINISH AS SPECIFIED
METAL FLASHING WITH DRIP LEDGE

COMMONALITY
N/A

QUAD-DECK PITCHED WALL TO ROOF DETAIL WITH BUILT IN GUTTER
Scale: N.T.S.

QUAD-DECK PITCHED ROOF TO WALL DETAIL

2015-03-15
R1
2021-10-01
Z. PROSTRAN

8.5" x 11" [216mm x 279mm]
NOT TO SCALE
QD-511
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-Deck Pitched Roof to Wall Detail**

- **Quad-Deck Pitched Wall to Roof Detail with Built In Gutter**

  - **Quad-Deck Wall - Concrete Thickness and Insulation As Specified**
  - **Quad-Deck Concrete Joist Reinforcement As Specified**
  - **Min. 1/2" [20mm] Concrete Cover for All Primary Rebar or As Per EOR**
  - **Fasten Ceiling Finish to Quad-Deck Integrated Metal Furring Spaced @ 12" [305mm] O/C**
  - **Field Cut Ends of Quad-Deck Panels Waste**

**Quad-Deck Panel Thicknesses:**
- 7", 8", 9", 10", 11", 12" or 12.5"
- [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**Slab Thickness Range:**
- 2" to 6" [50mm to 150mm]

**Rebar Dowels with Std. Hooks as Specified**

**Metal Flashing with Drip Ledge**

**Exterior Wall Finish as Specified**

**Roofing/Finish as Specified**

**Quad-Deck Panel Thicknesses:**
- 7", 8", 9", 10", 11", 12" or 12.5"
- [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**Quad-Deck Ultra Panel - Expanded Polystyrene (EPS)**
- 3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

**Quad-Lock Yellow Tie**

**Quad-Lock Ultra Panel - Expanded Polystyrene (EPS)**
- 3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

**Quad-Lock Yellow Tie**

**Quad-Deck Wall - Concrete Thickness and Insulation As Specified**

**Quad-Deck Pitched Roof to Wall Detail with Built In Gutter**

**Scale:** N.T.S.

**Quad-Deck Pitched Roof to Wall Detail**

**Date:** 2016-03-15

**Comments:** N/A

**Drawing:** R1

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

**Conversion:** 2021-10-01

**Approved By:** Z. Prostran

**Approved By:** G. Kustermann

**Revision:** QD-512
QUAD-DECK PITCHED WALL TO ROOF DETAIL WITH BUILT IN GUTTER

QUAD-LOCK WALL - CONCRETE THICKNESS AND INSULATION AS SPECIFIED

WEIGHT, HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

METAL FLASHING WITH Dripp Ledge

CANT STRIP

QUAD-LOCK METAL TRACK

EXTERIOR WALL FINISH AS SPECIFIED

QUAD-LOCK PANEL THICKNESSES: 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-LOCK CONCRETE JOIST REINFORCEMENT AS SPECIFIED

MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR

OR AS PER EOR

QUAD-LOCK YELLOW TIE

QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

QUAD-LOCK YELLOW TIE

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

FIELD CUT ENDS OF QUAD-DECK PANELS

WASTE

CUT OUT QUAD-LOCK WALL EPS FOAM AT EVERY CONCRETE JOIST

(IN COLDER CLIMATES) COVER ENDS OF METAL STRIPS WITH AT LEAST 2" [50mm] INSULATION

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

VERTICAL WALL REINFORCEMENT AS SPECIFIED

CONCRETE COMpressive STRENGTH AS SPECIFIED

MAX. 3 8" [10mm] AGGREGATE AND 3" [75mm] SLUMP

OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR

E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

ROOFING/FINISH AS SPECIFIED

NEGATIVE MOMENT REINF. DOWELS WITH STD. HOOKS AS SPECIFIED AT PANEL ENDS 24" [610mm] O/C

COINCIDING W/ QUAD-DECK CONCRETE JOISTS

QUAD-DECK PITCHED WALL TO ROOF DETAIL WITH BUILT IN GUTTER

Scale: N.T.S.
CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 2" [10mm] AGGREGATE AND 3" [75mm] SLUMP
OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

FIELD CUT ENDS OF QUAD-DECK PANELS
WASTE

QUAD-LOCK WALL - CONCRETE THICKNESS AND INSULATION AS SPECIFIED

QUAD-LOCK PITCHED WALL TO ROOF DETAIL WITH BUILT IN GUTTER

Scale: 1:4

QUAD-DECK PITCHED WALL TO ROOF DETAIL WITH BUILT IN GUTTER

QUAD-DECK PITCHED ROOF TO WALL DETAIL

R1
2021-10-01
Z. PROSTRAN

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

NOT TO SCALE

G. KUSTERMANN

N/A

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SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.
CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 3/4" [19mm] AGGREGATE AND 3" [75mm] SLUMP
OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

NEGATIVE MOMENT REINF. DOWELS
WITH STD. HOOKS AS SPECIFIED
AT PANEL ENDS 24" [610mm] O/C
COINCIDING W/ QUAD-DECK CONCRETE JOISTS

OVERHang REINFORCEMENT AS SPECIFIED

EXTERIOR WALL FINISH AS SPECIFIED

ROOFING/FINISH AS SPECIFIED

FIELD CUT ENDS OF QUAD-DECK PANELS
WASTE

(IN COLDER CLIMATES) COVER ENDS OF METAL STRIPS
WITH AT LEAST 2" [50mm] INSULATION

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

VERTICAL WALL REINFORCEMENT AS SPECIFIED

QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

QUAD-LOCK YELLOW TIE

QUAD-LOCK YELLOW TIE

QUAD-LOCK WALL - CONCRETE THICKNESS AND INSULATION AS SPECIFIED

QUAD-DECK PITCHED WALL TO ROOF DETAIL WITH CONCRETE OVERHANG

QUAD-DECK PITCHED ROOF WITH CONCRETE OVERHANG

IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE
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QUAD-DECK PITCHED WALL TO ROOF DETAIL WITH CONCRETE OVERHANG

1. QUAD-DECK PITCHED ROOF WITH CONCRETE OVERHANG

QUAD-LOCK WALL - CONCRETE THICKNESS AND INSULATION AS SPECIFIED

QUAD-DECK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L (79mm x 305mm x 1219mm)

QUAD-LOCK YELLOW TIE

FLAT EDGES OF QUAD-DECK PANELS

FIELD CUT ENDS OF QUAD-DECK PANELS

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 3" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

VERTICAL WALL REINFORCEMENT AS SPECIFIED

ROOFING/FINISH AS SPECIFIED

REBAR DOWELS WITH STD. HOOKS AS SPECIFIED

OVERHANG REINFORCEMENT AS SPECIFIED

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 3.8" [10mm] AGGREGATE AND 3" [75mm] SLUMP OR AS PER EOR

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

QUAD-LOCK WALL - CONCRETE THICKNESS AND INSULATION AS SPECIFIED

EXTERIOR WALL FINISH AS SPECIFIED

FIELD CUT ENDS OF QUAD-DECK PANELS

Overview of the components and specifications included in the QUAD-DECK system, detailing the materials, reinforcement, and installation methods used in the design of pitched roofs and walls with concrete overhangs. The system encompasses various specifications for concrete thickness, insulation, reinforcement, roofing finishes, and overhangs to ensure adherence to applicable regulations and building codes.
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Quad-Lock Building Systems
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604.590.3111
604.590.8412 - fax
www.quadlock.com

2015-03-15

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 2" [50mm] CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

FIELD CUT ENDS OF QUAD-DECK PANELS WASTE
(IN COLDER CLIMATES) COVER ENDS OF METAL STRIPS WITH AT LEAST 2" [50mm] INSULATION

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

QUAD-LOCK ULTRA PANEL - EXPANDED POLYSTYRENE (EPS)
3.125" W x 12" H x 48" L [79mm x 305mm x 1219mm]

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

EXTERIOR WALL FINISH AS SPECIFIED

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 3" [10mm] AGGREGATE AND 3" [75mm] SLUMP
OR AS PER EOR

E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

ANTI-PONDING BOARD

FASCIA

METAL FLASHING

CLAY TILES

FURRING STRIPS

WATER PROOFING

STIRRUPS WITH TOP AND BOTTOM REBAR
SEE QD-808

AS SPECIFIED

QUAD-DECK OVERHANG REINFORCEMENT AS SPECIFIED

UPSTAND SUPPORT WHALER

GUTTER

FASCIA

QUAD-DECK OVERHANG REINFORCEMENT AS SPECIFIED

MIN. 2" [50mm] CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

QUAD-LOCK YELLOW TIE

QUAD-DECK PITCHED WALL TO ROOF DETAIL WITH QUAD-DECK OVERHANG

QUAD-LOCK WALL - CONCRETE THICKNESS AND INSULATION AS SPECIFIED

QUAD-DECK PITCHED ROOF WITH QUAD-DECK OVERHANG

Scale: N.T.S.

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2015-03-15

QUAD-DECK PITCHED ROOF WITH QUAD-DECK OVERHANG

R1

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

2021-10-01

Z. PROSTRAN

G. KUSTERMANN

QD-517
Quad-Deck Dropped Ridge Beam Detail - Quad-Deck Panels Perpendicular to Beam

**NOTE:**
This scenario is typically used for vaulted ceilings without column supports where the beam clear spans from gable to gable.

**QUAD-DECK DROPPED RIDGE BEAM**

- **Scale:** N.T.S.
- **File Size:** 8.5" x 11" [216mm x 279mm]
- **Revision:** R1
- **Date:** 2021-10-01
- **Drawing No.:** QD-518
- **Approved By:** G. Kustermann

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**QUAD-DECK PANEL THICKNESSES:**
- 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**SLAB THICKNESS RANGE:**
- 2" TO 6" [50mm TO 150mm]

**CONCRETE BEAM REINFORCEMENT AS SPECIFIED**
- Bend into opposing slab as shown
- Min. 3/4" [20mm] concrete cover for all primary rebar or as per EOR

**CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
- Max. 3 8" [10mm] aggregate and 3" [75mm] slump or as per EOR

**NEGATIVE MOMENT REINF. DOWELS AS SPECIFIED**
- At panel ends 24" [610mm] O/C coinciding with Quad-Deck concrete joists

**FIELD CUT ENDS OF QUAD-DECK PANELS**
- Waste

**COVER ENDS OF METAL STRIPS**
- With at least 2" [50mm] insulation

**INSULATION**

**ROOFIG/FINISH AS SPECIFIED**

**SLAB REINFORCEMENT AS PER EOR E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY**

**QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED**
- Bend into opposing slab as shown
- Min. 3/4" [20mm] concrete cover for all primary rebar or as per EOR

**FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C**

**NATURAL MOMENT REINF. DOWELS AS SPECIFIED**
- At panel ends 24" [610mm] O/C coinciding with Quad-Deck concrete joists

**NOT TO SCALE**

**IN COLDER CLIMATES**
- Cover ends of metal strips with at least 2" [50mm] insulation

**MAX. 3 8" [10mm] AGGREGATE AND 3" [75MM] SLUMP OR AS PER EOR**

**CONCRETE BEAM REINFORCEMENT AS SPECIFIED**
- Bend into opposing slab as shown
- Min. 3/4" [20mm] concrete cover for all primary rebar or as per EOR

**FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305MM] O/C**
CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 3/4" [10mm] AGGREGATE AND 3" [75mm] SLUMP
OR AS PER EOR

CONCRETE BEAM REINFORCEMENT AS SPECIFIED

REINFORCEMENT DOWELS
WITH STD. HOOKS AS SPECIFIED

ROOFING/FINISH AS SPECIFIED

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

QUAD-DECK PANEL THICKNESSES-
7", 8", 9", 10", 11", 12" OR 12.5"

INSULATION

FIELD CUT ENDS OF QUAD-DECK PANELS

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED
METAL FURRING SPACED @ 12" [305mm] O/C

NOTE:
This scenario is typically used for vaulted ceilings without column supports where the beam clear spans from gable to gable

DROPPED RIDGE BEAM DETAIL - QUAD-DECK PANELS PARALLEL TO BEAM

Scale: N.T.S.

QUAD-DECK DROPPED RIDGE BEAM

<table>
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<tr>
<th>SHEET SIZE</th>
<th>8.5&quot; x 11&quot; [216mm x 279mm]</th>
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<td>Z. PROSTRAN</td>
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<tr>
<td>DATE DRAWN</td>
<td>2021-10-01</td>
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<td>QD-519</td>
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<td>APPROVED BY</td>
<td>G. KUSTERMANN</td>
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<tr>
<td>REVOLUTION</td>
<td>2015-03-15</td>
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IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.

1. FLUSHED RIDGE BEAM DETAIL - QUAD-DECK PANELS PERPENDICULAR TO BEAM

NOTE:
This scenario is typically used with for shorter spans and/or with internal support elements such as columns.

SCALE: NOT TO SCALE

QUAD-DECK FLUSHED RIDGE BEAM

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QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
NEGATIVE MOMENT REINFORCEMENT AS SPECIFIED
AT PANEL ENDS 24" [610mm] O/C
COINCIDING W/ QUAD-DECK CONCRETE JOISTS

CONCRETE BEAM REINFORCEMENT AS SPECIFIED
FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

FLAT PANELS AS SPECIFIED
NEGATIVE MOMENT REINFORCEMENT AS SPECIFIED
AT PANEL ENDS 24" [610mm] O/C
COINCIDING W/ QUAD-DECK CONCRETE JOISTS

CONCRETE BEAM REINFORCEMENT AS SPECIFIED
FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

DETAILED TO:
1. FLUSHED RIDGE BEAM DETAIL - QUAD-DECK PANELS PERPENDICULAR TO BEAM

NOTE:
This scenario is typically used with for shorter spans and/or with internal support elements such as columns.

Scale: N.T.S.

QUAD-DECK FLUSHED RIDGE BEAM

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
NEGATIVE MOMENT REINFORCEMENT AS SPECIFIED
AT PANEL ENDS 24" [610mm] O/C
COINCIDING W/ QUAD-DECK CONCRETE JOISTS

CONCRETE BEAM REINFORCEMENT AS SPECIFIED
FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

FLAT PANELS AS SPECIFIED
NEGATIVE MOMENT REINFORCEMENT AS SPECIFIED
AT PANEL ENDS 24" [610mm] O/C
COINCIDING W/ QUAD-DECK CONCRETE JOISTS

CONCRETE BEAM REINFORCEMENT AS SPECIFIED
FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

DETAILED TO:
1. FLUSHED RIDGE BEAM DETAIL - QUAD-DECK PANELS PERPENDICULAR TO BEAM

NOTE:
This scenario is typically used with for shorter spans and/or with internal support elements such as columns.

Scale: N.T.S.
FLUSHED RIDGE BEAM DETAIL - QUAD-DECK PANELS PARALLEL TO BEAM

NOTE:
This scenario is typically used with for shorter spans and/or with internal support elements such as columns
IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE REGULATIONS AND BUILDING CODE REQUIREMENTS CONCERNING THE USE OF THESE PRODUCTS.

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
BEND INTO OPPOSING SLAB AS SHOWN
MIN. 3/8 (20mm) CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

NOTE:
This design is typically used for hip roofs or with horizontal collar ties that span from eave to eave to resist walls moving out laterally

MITERED RIDGE DETAIL - QUAD-DECK PANELS PERPENDICULAR TO BEAM

Scale: N.T.S.
QUAD-DECK MITERED RIDGE DETAIL

NOTE:
This scenario is typically used with for shorter spans and/or with internal support elements such as columns.
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-DECK SKYLIGHT DETAIL

NOTE:
Also refer to detail QD-315
Building Systems

**QUAD-DECK PANELS PARALLEL TO TOP OF CONCRETE WALL**

- **QUAD-DECK PANEL WIDTH**
  - 2'-0" [610mm]

- **QUAD-DECK PANEL THICKNESSES:**
  - 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

- **SLAB THICKNESS RANGE**
  - 2" TO 6" [50mm TO 150mm]

- **FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C**

- **QUAD-DECK PANELS CAN SIT ON TOP OF WALL OR BUT AGAINST THE WALL DEPENDING ON ELEVATION HEIGHT DESIRED** (IF PANELS SIT ON TOP OF THERE STILL NEEDS TO BE A SHORING BEAM CLOSE TO WALL)

- **HORIZONTAL WALL REINFORCEMENT AS SPECIFIED**

- **VERTICAL WALL REINFORCEMENT AS SPECIFIED**

- **FURRING AND INSULATION IF SPECIFIED**

- **INTERIOR WALL FINISH AS SPECIFIED**

- **CAST IN PLACE REINFORCED CONCRETE WALL**

- **REBAR DOWELS WITH STD. 90° HOOKS AS SPECIFIED**

- **CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
  - MIN. $\frac{3}{8}$ [20mm]
  - MAX. $\frac{1}{2}$ [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

- **SLAB REINFORCEMENT AS PER EOR**
  - E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

- **TOP OF WALL REINFORCEMENT AS SPECIFIED**

- **REBAR DOWELS WITH STD. 90° HOOKS AS SPECIFIED**

- **FLOOR FINISH AS SPECIFIED**

- **STOP FIRST POUR AT U/S OF QUAD-DECK OR AT U/S OF CONCRETE JOISTS**

- **CAST IN PLACE REINFORCED CONCRETE WALL**

- **VOID FOR UTILITIES**

- **SCALE: N.T.S.**

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*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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2015-08-15
R1
8.5" x 11" [216mm x 279mm]
2021-10-01
Z. PROSTRAN

NOT TO SCALE
G. KUSTERMANN

QD-601
**QUAD-DECK PANELS PERPENDICULAR TO TOP OF CONCRETE WALL**

**Scale:** N.T.S.

**QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED**
Min. 3/8" [10mm] aggregate and 6" [150mm] slump or as per EOR

**CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
Max. 3,800 psi [26 MPa] or as per EOR

**SLAB REINFORCEMENT AS PER EOR**
E.g. WWM 6x6 [152x152] or #3 [10M] each way

**SLAB THICKNESS RANGE**
2" to 6" [50mm to 150mm]

**QUAD-DECK PANEL THICKNESSES:**
7", 8", 9", 10", 11", 12" or 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C**

**QUAD-DECK PANELS CAN SIT ON TOP OF WALL OR BUT AGAINST THE WALL DEPENDING ON ELEVATION HEIGHT DESIRED**
(If panels sit on top of there still needs to be a shoring beam close to wall)

**HORIZONTAL WALL REINFORCEMENT AS SPECIFIED**

**VERTICAL WALL REINFORCEMENT AS SPECIFIED**

**FURRING AND INSULATION IF SPECIFIED**

**INTERIOR WALL FINISH AS SPECIFIED**

**CAST IN PLACE REINFORCED CONCRETE WALL**

**TOP OF WALL REINF. AS SPECIFIED**

**STOP FIRST POUR AT U/S OF QUAD-DECK OR AT U/S OF CONCRETE JOISTS**

**FLOOR FINISH AS SPECIFIED**

**EXTERIOR FINISH AS SPECIFIED**

**BUILDING SYSTEMS**

**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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**NEGATIVE MOMENT REINF. DOWELS WITH STD. 90° HOOKS AS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING W/ QUAD-DECK CONCRETE JOISTS**

**QUAD-DECK PANELS PERPENDICULAR TO TOP OF CONCRETE WALL**

**Scale:** N.T.S.

**QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED**
Min. 3/8" [10mm] concrete cover for all primary rebar or as per EOR

**CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
Max. 3,800 psi [26 MPa] or as per EOR

**SLAB REINFORCEMENT AS PER EOR**
E.g. WWM 6x6 [152x152] or #3 [10M] each way

**SLAB THICKNESS RANGE**
2" to 6" [50mm to 150mm]

**QUAD-DECK PANEL THICKNESSES:**
7", 8", 9", 10", 11", 12" or 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
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2015-08-15
R1
8.5" x 11" [216mm x 279mm]
2021-10-01
Z. PROSTAN
G. KUSTERMANN

Scale: N.T.S.

**Quad-Deck Panels Parallel to Concrete Wall**

- **Quad-Deck Panel Width**: 2'-0" [610mm]
- **Quad-Deck Panel Thicknesses**: 7", 8", 9", 10", 11", 12" or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
- CAST IN PLACE REINFORCED CONCRETE WALL
- VERTICAL REINFORCEMENT OVERLAP AS SPECIFIED
- TOP OF WALL REINFORCEMENT AS SPECIFIED
- REBAR DOWELS WITH STD. 90° HOOKS AS SPEC'D
- FLOOR FINISH AS SPECIFIED
- CONCRETE COMPRRESSIVE STRENGTH AS SPECIFIED
  - MIN. 3,000 [20MPa] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR
  - MAX. 3,500 [25MPa] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR
- SLAB REINFORCEMENT AS PER EOR
  - E.G. WWM 6X6 [152x152] OR #3 [10M] EACH WAY
- SLAB THICKNESS RANGE
  - 2" TO 6" [50mm TO 150mm]
- FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C
- QUAD-DECK PANELS CAN SIT ON TOP OF WALL OR BUT AGAINST THE WALL DEPENDING ON ELEVATION HEIGHT DESIRED
- (IF PANELS SIT ON TOP OF THERE STILL NEEDS TO BE A SHORING BEAM CLOSE TO WALL)
- HORIZONTAL WALL REINFORCEMENT AS SPECIFIED
- VERTICAL WALL REINFORCEMENT AS SPECIFIED
- FURRING AND INSULATION IF SPECIFIED
- INTERIOR WALL FINISH AS SPECIFIED
- STOP FIRST POUR AT U/S OF QUAD-DECK OR AT U/S OF CONCRETE JOISTS
- EXTERIOR FINISH AS SPECIFIED
- CUT OFF FIRST QUAD-DECK WING
- CAST IN PLACE REINFORCED CONCRETE WALL
- Vertical Wall Reinforcement Overlap As Specified
- Vertical Wall Reinforcement As Specified
- Furring and Insulation If Specified
- Interior Wall Finish As Specified
- Stop First Pour At U/S of Quad-Deck or At U/S of Concrete Joists
- Exterior Finish As Specified
- Cut Off First Quad-Deck Wing
- Cast In Place Reinforced Concrete Wall

Scale: N.T.S.

Quad-Deck Concrete Joist Reinforcement As Specified
- Min. 3,000 [20MPa] Concrete Cover for All Primary Rebar or As Per EOR
- Max. 3,500 [25MPa] Aggregate and 6" [150mm] Slump or As Per EOR
- Slab Reinforcement As Per EOR
  - E.G. WWM 6X6 [152x152] or #3 [10M] Each Way
- Slab Thickness Range
  - 2" to 6" [50mm to 150mm]
- Fasten Ceiling Finish to Quad-Deck Integrated Metal Furring Spaced @ 12" [305mm] O/C
- Quad-Deck Panels Can Sit on Top of Wall or But Against the Wall Depending on Elevation Height Desired
- (If Panels Sit on Top of There Still Needs to Be a Shoring Beam Close to Wall)
- Horizontal Wall Reinforcement As Specified
- Vertical Wall Reinforcement As Specified
- Furring and Insulation If Specified
- Interior Wall Finish As Specified
- Cast In Place Reinforced Concrete Wall

Quad-Deck Panel Width
- 2'-0" [610mm]

Quad-Deck Panel Thicknesses
- 7", 8", 9", 10", 11", 12", or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
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.

STOP FIRST POUR AT U/S OF QUAD-DECK OR AT U/S OF CONCRETE JOISTS

EXTERIOR FINISH AS SPECIFIED

STOP FIRST POUR AT U/S OF QUAD-DECK OR AT U/S OF CONCRETE JOISTS

STOP FIRST POUR AT U/S OF QUAD-DECK OR AT U/S OF CONCRETE JOISTS

FLOOR FINISH AS SPECIFIED

QUAD-DECK PANELS PERPENDICULAR TO CONCRETE WALL

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

CAST IN PLACE REINFORCED CONCRETE WALL

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED AT 12" [305mm] O/C

QUAD-DECK PANELS CAN SIT ON TOP OF WALL OR BUT AGAINST THE WALL DEPENDING ON ELEVATION HEIGHT DESIRED (IF PANELS SIT ON TOP OF THERE STILL NEEDS TO BE A SHORING BEAM CLOSE TO WALL)

VERTICAL WALL REINFORCEMENT AS SPECIFIED

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

VERTICAL WALL REINFORCEMENT AS SPECIFIED

FURRING AND INSULATION IF SPECIFIED

INTERIOR WALL FINISH AS SPECIFIED

CAST IN PLACE REINFORCED CONCRETE WALL

QUAD-DECK PANELS PERPENDICULAR TO CONCRETE WALL

Scale: N.T.S.
IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE REGULATIONS AND BUILDING CODE REQUIREMENTS CONCERNING THE USE OF THESE PRODUCTS.

QUAD-DECK PANELS PARALLEL TO TOP OF INTERMEDIATE CONCRETE WALL

Scale: N.T.S.

QUAD-DECK PANELS CAN SIT ON TOP OF WALL OR BUT AGAINST THE WALL DEPENDING ON ELEVATION HEIGHT DESIRED (IF PANELS SIT ON TOP OF WALL, A SHORING BEAM IS STILL NEEDED CLOSE TO WALL)

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

INTERIOR WALL FINISH AS SPECIFIED

QUAD-DECK PANEL THICKNESSES: 7", 8", 9", 10", 11", 12" OR 12.5"

[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

SLAB THICKNESS RANGE 2" TO 6" [50mm TO 150mm]

FINISH AS SPECIFIED

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED

MIN. 3/4 [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

TOP OF WALL REINFORCEMENT AS SPECIFIED

E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED

MAX. $\frac{3}{4}$ [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

QUAD-DECK BUILDING SYSTEMS

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QUAD-DECK PANELS PARALLEL TO INTERMEDIATE CONCRETE WALL

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

QUAD-DECK PANELS CAN SIT ON TOP OF WALL
OR BUT AGAINST THE WALL
DEPENDING ON ELEVATION HEIGHT DESIRED
(IF PANELS SIT ON TOP OF WALL, A SHORING BEAM
IS STILL NEEDED CLOSE TO WALL)

FURNITURE AS SPECIFIED

HORIZONTAL WALL REINFORCEMENT AS SPECIFIED

VERTICAL WALL REINFORCEMENT AS SPECIFIED

CAST IN PLACE REINFORCED CONCRETE WALL

INTERIOR WALL FINISH AS SPECIFIED

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED
METAL FURRING SPACED @ 12" [305mm] O/C

Ø4" [121mm] VOID FOR UTILITIES

QUAD-DECK CONCRETE JOIST REINFORCEMENT
AS SPECIFIED

MIN. 3/4 [20mm] CONCRETE COVER FOR
ALL PRIMARY REBAR OR AS PER EOR

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 3/8 [10mm] AGGREGATE AND 6" [150mm] SLUMP
OR AS PER EOR

TRANSVERSE REINFORCEMENT BARS OVER WALL
AS SPECIFIED

VERTICAL REINFORCEMENT OVERLAP
AS SPECIFIED

TOP OF WALL REINFORCEMENT AS SPECIFIED
SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

FLOOR FINISH AS SPECIFIED

QUAD-DECK PANELS PARALLEL TO INTERMEDIATE CONCRETE WALL

Scale: N.T.S.
**Quad-Deck Panels Perpendicular to Intermediate Concrete Wall**

**Scale:** N.T.S.

**Description:**
- **Quad-Deck Concrete Joist Reinforcement:** As specified continue through wall or splice over wall. Min. 2" (50mm) concrete cover for all primary rebar or as per EOR.
- **Vertical Reinforcement Overlap:** As specified.
- **Top of Wall Reinforcement:** As specified. E.G. WWM 6x6 [152x152] or #3 [10] each way.
- **Slab Thickness Range:** 2" to 6" (50mm to 150mm).
- **SLAB REINFORCEMENT:** As per EOR. E.G. WWM 6x6 [152x152] or #3 [10] each way.
- **QUAD-DECK PANELS:** Can sit on top of wall or but against the wall depending on elevation height desired. (If panels sit on top of wall, a shoring beam is still needed close to wall).
- **Furring and Insulation:** If specified.
- **Horizontal Wall Reinforcement:** As specified.
- **Vertical Wall Reinforcement:** As specified.
- **Interior Wall Finish:** As specified.
- **Ceiling Finish:** Fasten to Quad-Deck integrated metal furring spaced @ 12" (305mm) O/C.
- **Floor Finish:** As specified.
- **Negative Moment Reinforcement Bars:** As specified at panel ends spaced at 24" (610mm) O/C coinciding with Quad-Deck concrete joists.
- **Concrete Compressive Strength:** As specified. Max. 3' (100mm) aggregate and 6" (150mm) slump or as per EOR.
- **Fasten Ceiling Finish to Quad-Deck Integrated Metal Furring:** Spaced @ 12" (305mm) O/C.
- **Interior Wall Finish:** As specified.
- **Concrete Cover:** Min. 2" (50mm) concrete cover for all primary rebar or as per EOR.
- **Concrete Slump:** 6" (150mm) slump or as per EOR.
- **Aggregates:** 3" (10mm) aggregate and 6" (150mm) slump or as per EOR.
- **Concrete Compressive Strength:** Max. 3' (100mm) aggregate and 6" (150mm) slump or as per EOR.
- **Concrete Slump:** 6" (150mm) slump or as per EOR.
- **Top of Wall Reinforcement:** As specified.
- **Vertical Reinforcement Overlap:** As specified.
- **Top of Wall Reinforcement:** As specified. E.G. WWM 6x6 [152x152] or #3 [10] each way.
- **Slab Thickness Range:** 2" to 6" (50mm to 150mm).
- **SLAB REINFORCEMENT:** As per EOR. E.G. WWM 6x6 [152x152] or #3 [10] each way.
- **QUAD-DECK PANELS:** Can sit on top of wall or but against the wall depending on elevation height desired. (If panels sit on top of wall, a shoring beam is still needed close to wall).
- **Furring and Insulation:** If specified.
- **Horizontal Wall Reinforcement:** As specified.
- **Vertical Wall Reinforcement:** As specified.
- **Interior Wall Finish:** As specified.
- **Ceiling Finish:** Fasten to Quad-Deck integrated metal furring spaced @ 12" (305mm) O/C.
- **Floor Finish:** As specified.
- **Negative Moment Reinforcement Bars:** As specified at panel ends spaced at 24" (610mm) O/C coinciding with Quad-Deck concrete joists.
- **Concrete Compressive Strength:** As specified. Max. 3' (100mm) aggregate and 6" (150mm) slump or as per EOR.
- **Fasten Ceiling Finish to Quad-Deck Integrated Metal Furring:** Spaced @ 12" (305mm) O/C.
- **Interior Wall Finish:** As specified.

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**NOT TO SCALE**

**Genre:** Technical drawing

**Keywords:** Construction, Engineering, Architecture, Building Systems, Reinforcement, Concrete, Wall Systems, Product Specifications.
QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

CUT OFF FIRST QUAD-DECK WING

QUAD-DECK PANEL WIDTH
2'-0" [610mm]

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

REINFORCEMENT BARS AS SPECIFIED
DRILL IN AND EPOXY INTO EXISTING WALL

EXISTING CONCRETE WALL

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 2" [10mm] AGGREGATE AND 6" [150mm] SLUMP
OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

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REGULATIONS AND BUILDING CODE REQUIREMENTS CONCERNING THE USE OF
THESE PRODUCTS.

IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND
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REBAR DOWELS WITH STD. 90° HOOKS AS SPECIFIED DRILL IN AND EPOXY INTO EXISTING WALL AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS

SLAB REINFORCEMENT AS PER EOR E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED MAX. 3,000 [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

EXISTING CONCRETE WALL

OVERLAP AS SPECIFIED

Dowel Length as specified

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QUAD-DECK PANELS PERPENDICULAR TO EXISTING CONCRETE WALL

Scale: N.T.S.
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2015-08-15
R1
8.5" x 11" [216mm x 279mm]
2021-10-01
Z. PROSTRAN

Quad-Deck panels parallel to top of concrete block wall

Scale: N.T.S.
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-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

NEGATIVE MOMENT REINFORCEMENT DOWELS WITH STD. 90° HOOKS AS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

CONCRETE BLOCK WALL AS SPECIFIED

FURRING AND INSULATION IF SPECIFIED

INTERIOR WALL FINISH AS SPECIFIED

QUAD-DECK PANELS PERPENDICULAR TO TOP OF CONCRETE BLOCK WALL

Scale: N.T.S.
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-Deck Panels Parallel to Concrete Block Wall**

- Bond Beam Size and Reinforcement as Specified
- Rebar Dowels with Std. 90° Hooks as Spec'd
- Finish as Specified
- Vertically Reinforcement Overlap as Specified
- Quad-Deck Concrete Joist Reinforcement as Specified
- Min. $\frac{3}{4}$ [20mm] concrete cover for all primary rebar or as per EOR
- Concrete Compressive Strength as Specified
- Max. $\frac{3}{4}$ [10mm] aggregate and 6" [150mm] slump or as per EOR
- Slab Reinforcement as per EOR
  - E.g. WWM 6x6 [152x152] or #3 [10M] each way
- Slab Thickness Range
  - 2" to 6" [50mm to 150mm]
- Quad-Deck Panel Width
  - 2'-0" [610mm]
- Quad-Deck Panel Thicknesses:
  - 7", 8", 9", 10", 11", 12" or 12.5"
  - [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
- Ø$\frac{3}{4}$ [121mm] Void for Utilities
- Fasten Ceiling Finish to Quad-Deck Integrated Metal Furring Spaced @ 12" [305mm] O/C
- Furring and Insulation if Specified
- Interior Wall Finish as Specified
- Exterior Finish as Specified
- Cut Off First Quad-Deck Wing
- Concrete Block Wall as Specified

**Scale:** N.T.S.
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-DECK PANELS PERPENDICULAR TO CONCRETE BLOCK WALL**

Scale: N.T.S.

**QUAD-DECK PANEL THICKNESSES:**
- 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
- MIN. 3,000 psi (20.7 MPa)
- MAX. 8,000 psi (55.2 MPa)

**SLAB THICKNESS RANGE**
- 2" TO 6" [50mm TO 150mm]

**FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" (305mm) O/C**

**NEGATIVE MOMENT REINFORCEMENT DOWELS**
- WITH STD. 90° HOOKS AS SPECIFIED
- AT PANEL ENDS SPACED AT 24" [610mm] O/C

**CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
- MIN. 3,000 psi (20.7 MPa)
- MAX. 8,000 psi (55.2 MPa)

**SLAB REINFORCEMENT AS PER EOR**
- E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

**CONCRETE COVER FOR ALL PRIMARY REBAR**
- MIN. 3/4" [20mm]

**SLAB REINFORCEMENT AS PER EOR**
- E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

**CONCRETE BOND BEAM SIZE AND REINFORCEMENT AS SPECIFIED**

**CONCRETE BLOCK WALL AS SPECIFIED**

**FINISH AS SPECIFIED**

**FURRING AND INSULATION IF SPECIFIED**

**INTERIOR WALL FINISH AS SPECIFIED**

**EXTERIOR FINISH AS SPECIFIED**

**CONCRETE JOIST REINFORCEMENT AS SPECIFIED**

**QUAD-DECK PANELS PERPENDICULAR TO CONCRETE BLOCK WALL**

**Scale:** N.T.S.
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-DECK PANELS PARALLEL TO TOP OF INTERMEDIATE CONCRETE BLOCK WALL

Scale: N.T.S.

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 3" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

TRANSVERSE REINFORCEMENT BARS OVER WALL AS SPECIFIED

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 3/8" [20mm] CONCRETE COVER F OR ALL PRIMARY REBAR OR AS PER EOR

Ø4" [121mm] VOID FOR UTILITIES

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

BOND BEAM SIZE AND REINFORCEMENT AS SPECIFIED

FURRING AS SPECIFIED

INTERIOR WALL FINISH AS SPECIFIED

CONCRETE BLOCK WALL AS SPECIFIED

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED

MAX. 3" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

CONCRETE BLOCK WALL AS SPECIFIED

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED

MIN. 3/8" [20mm] CONCRETE COVER F OR ALL PRIMARY REBAR OR AS PER EOR

Ø4" [121mm] VOID FOR UTILITIES

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

BOND BEAM SIZE AND REINFORCEMENT AS SPECIFIED

FURRING AS SPECIFIED

INTERIOR WALL FINISH AS SPECIFIED

CONCRETE BLOCK WALL AS SPECIFIED

1

QUAD-DECK PANELS PARALLEL TO TOP OF INTERMEDIATE CONCRETE BLOCK WALL

Scale: N.T.S.

QUAD-DECK PANELS PARALLEL TO TOP OF INTERMEDIATE CONCRETE BLOCK WALL

Scale: N.T.S.

QUAD-DECK PANELS PARALLEL TO TOP OF INTERMEDIATE CONCRETE BLOCK WALL

Scale: N.T.S.

QUAD-DECK PANELS PARALLEL TO TOP OF INTERMEDIATE CONCRETE BLOCK WALL

Scale: N.T.S.

QUAD-DECK PANELS PARALLEL TO TOP OF INTERMEDIATE CONCRETE BLOCK WALL

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QUAD-DECK PANELS PARALLEL TO TOP OF INTERMEDIATE CONCRETE BLOCK WALL

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QUAD-DECK PANELS PARALLEL TO TOP OF INTERMEDIATE CONCRETE BLOCK WALL

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QUAD-DECK PANELS PARALLEL TO TOP OF INTERMEDIATE CONCRETE BLOCK WALL

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QUAD-DECK PANELS PARALLEL TO TOP OF INTERMEDIATE CONCRETE BLOCK WALL

Scale: N.T.S.

QUAD-DECK PANELS PARALLEL TO TOP OF INTERMEDIATE CONCRETE BLOCK WALL

Scale: N.T.S.
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-DECK PANELS PERPENDICULAR TO TOP OF INTERMEDIATE CONCRETE BLOCK WALL

Scale: N.T.S.
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-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED - CONTINUE THROUGH WALL MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED MAX. 2" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

Ø4½" [121mm] VOID FOR UTILITIES

QUAD-DECK PANELS PARALLEL TO INTERMEDIATE CONCRETE BLOCK WALL

Scale: N.T.S.

CONCRETE BLOCK WALL AS SPECIFIED

VERTICAL REINFORCEMENT OVERLAP AS SPECIFIED

BOND BEAM SIZE AND REINFORCEMENT AS SPECIFIED

SLAB REINFORCEMENT AS PER EOR E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

FINISH AS SPECIFIED

SLAB THICKNESS RANGE 2" TO 6" [50mm TO 150mm]

QUAD-DECK PANEL THICKNESSES: 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

FURRING AS SPECIFIED

INTERIOR WALL FINISH AS SPECIFIED

QUAD-DECK CONCRETE JOIST REINFORCEMENT

AS SPECIFIED - CONTINUE THROUGH WALL MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

MIN. 3½" [90mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

MIN. 4½" [114mm] CONCRETE COVER FOR TRANVERSE REINFORCEMENT BARS OVER WALL AS SPECIFIED

QUAD-DECK PANELS PARALLEL TO INTERMEDIATE CONCRETE BLOCK WALL

Scale: N.T.S.

QUAD-DECK PANELS PARALLEL TO INTERMEDIATE CONCRETE BLOCK WALL

Scale: N.T.S.

QUAD-DECK PANELS PARALLEL TO INTERMEDIATE CONCRETE BLOCK WALL

Scale: N.T.S.

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Scale: N.T.S.

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Scale: N.T.S.

QUAD-DECK PANELS PARALLEL TO INTERMEDIATE CONCRETE BLOCK WALL

Scale: N.T.S.
QUAD-DECK PANELS PERPENDICULAR TO INTERMEDIATE CONCRETE BLOCK WALL

Scale: N.T.S.

QUAD-DECK PANEL THICKNESSES: 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

SLAB THICKNESS RANGE 2" TO 6" [50mm TO 150mm]

FURRING AS SPECIFIED

INTERIOR WALL FINISH AS SPECIFIED

CONCRETE BLOCK WALL AS SPECIFIED

NEGATIVE MOMENT REINFORCEMENT BARS AS SPECIFIED
AT PANEL ENDS SPACED AT 24" [610mm] O/C
COINCIDING WITH QUAD-DECK CONCRETE JOISTS

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 2" [10mm] AGGREGATE AND 6" [150mm] SLUMP
OR AS PER EOR

FINISH AS SPECIFIED

QUAD-DECK CONCRETE JOIST REINF. AS SPECIFIED
CONTINUE THROUGH WALL OR SPLICE OVER WALL
MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED
METAL FURRING SPACED @ 12" [305mm] O/C

QUAD-DECK PANELS PERPENDICULAR TO INTERMEDIATE CONCRETE BLOCK WALL

IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE
REGULATIONS AND BUILDING CODE REQUIREMENTS CONCERNING THE USE OF
THOSE PRODUCTS.
IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND
SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.

Quad-Lock Building Systems
19402 - 56 Ave
Surrey, BC V3S 6K4
Canada
888.711.5625 - Toll Free
604.590.3111
604.590.8412 - fax
www.quadlock.com

QUAD-DECK PANELS PERPENDICULAR TO INTERMEDIATE CONCRETE BLOCK WALL

DRAFT DATE
2015-08-15

REVISION NO
R1

COMMENTS
N/A

SCALE
NOT TO SCALE

AMENDMENT
QD-618

REVISION DATE
2021-10-01

APPROVED BY
G. KUSTERMANN

Z. PROSTRAN
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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2015-08-15

2021-10-01
Z. PROSTRAN

Scale: N.T.S.

QUAD-DECK PANELS PARALLEL TO TRANSITIONING CONCRETE BLOCK WALL

- VERTICAL REINFORCEMENT OVERLAP AS SPECIFIED
- BOND BEAM SIZE AND REINFORCEMENT AS SPECIFIED
- REBAR DOWELS WITH STD. 90° HOOKS AS SPEC'D
- SLAB THICKNESS RANGE 2" TO 6" [50mm TO 150mm]
- QUAD-DECK PANEL WIDTH 2'-0" [610mm]
- QUAD-DECK PANEL THICKNESSES: 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
- FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C
- Ø4" [121mm] VOID FOR UTILITIES
- FURRING AND INSULATION IF SPECIFIED
- INTERIOR WALL FINISH AS SPECIFIED
- CONCRETE BLOCK WALL AS SPECIFIED
- QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
- MIN. 2" [50mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR
- CONCRETE COMPRESSION STRENGTH AS SPECIFIED
- MAX. 3" [100mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR
- SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY
- SLAB THICKNESS RANGE 2" TO 6" [50mm TO 150mm]
- QUAD-DECK PANEL WIDTH 2'-0" [610mm]
- QUAD-DECK PANEL THICKNESSES: 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
QUAD-DECK PANELS PERPENDICULAR TO TRANSITIONING CONCRETE BLOCK WALL

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

Furring and insulation if specified
Interior wall finish as specified

Concrete block wall as specified

Negative moment reinforcement dowels with std. 90° hooks as specified at panel ends spaced at 24" [610mm] O/C coinciding with quad-deck concrete joists

Fasten ceiling finish to quad-deck integrated metal furring spaced @ 12" [305mm] O/C

Scale: N.T.S.
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QUAD-DECK PANELS PARALLEL TO TOP OF TILT-UP WALL

Scale: N.T.S.

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 3 1/2 [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR
SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10mm] EACH WAY

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

FINISH AS SPECIFIED

DRILL & EPOXY REBAR DOWELS INTO TOP OF PRECAST PANEL SPACING & SIZE AS SPECIFIED

WELDED WIRE MESH

QUAD-DECK PANEL WIDTH
2'-0" [610mm]

QUAD-DECK PANEL THICKNESS AS SPECIFIED

VERTICAL & HORIZONTAL PANEL REINFORCEMENT AS SPECIFIED

INSULATION LAYER

FINISH AS SPECIFIED

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

CUT OFF FIRST QUAD-DECK WING

TILT-UP SANDWICH PANEL TIE AS SPECIFIED

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 3 [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 3 1/2 [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR
SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10mm] EACH WAY

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 3 1/2 [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR
SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10mm] EACH WAY

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

FINISH AS SPECIFIED

DRILL & EPOXY REBAR DOWELS INTO TOP OF PRECAST PANEL SPACING & SIZE AS SPECIFIED

WELDED WIRE MESH

QUAD-DECK PANEL WIDTH
2'-0" [610mm]

QUAD-DECK PANEL THICKNESS AS SPECIFIED

VERTICAL & HORIZONTAL PANEL REINFORCEMENT AS SPECIFIED

INSULATION LAYER

FINISH AS SPECIFIED

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

CUT OFF FIRST QUAD-DECK WING

TILT-UP SANDWICH PANEL TIE AS SPECIFIED

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 3 [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. 3 1/2 [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR
SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10mm] EACH WAY
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-DECK PANELS PERPENDICULAR TO TOP OF TILT-UP WALL

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

NEGATIVE MOMENT REINFORCEMENT DOWELS AS SPECIFIED AT PANEL ENDS SPACED AT 24" [610mm] O/C COINCIDING WITH QUAD-DECK CONCRETE JOISTS DRILL & EPOXY INTO TOP OF PRECAST PANEL

FINISH AS SPECIFIED

TOP OF WALL REINFORCEMENT AS SPECIFIED

INSULATION LAYER

VERTICAL & HORIZONTAL PANEL REINFORCEMENT AS SPECIFIED

QUAD-DECK PANELS PERPENDICULAR TO TOP OF TILT-UP WALL

1

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

MITER CUT ENDS OF QUAD-DECK PANELS

TILT-UP SANDWICH PANEL TIE AS SPECIFIED

WELDED WIRE MESH

TILT-UP WALL AS SPECIFIED

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MIN. 2,000 [20MPa] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

MAX. 2" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR
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INSULATION LAYER

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QUAD-DECK PANELS PERPENDICULAR TO TOP OF TILT-UP WALL

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FINISH AS SPECIFIED

TOP OF WALL REINFORCEMENT AS SPECIFIED

INSULATION LAYER

VERTICAL & HORIZONTAL PANEL REINFORCEMENT AS SPECIFIED

QUAD-DECK PANELS PERPENDICULAR TO TOP OF TILT-UP WALL

1

FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

MITER CUT ENDS OF QUAD-DECK PANELS

TILT-UP SANDWICH PANEL TIE AS SPECIFIED

WELDED WIRE MESH

TILT-UP WALL AS SPECIFIED

CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
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SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
**QUAD-DECK TO SUPERIOR PRECAST WALL**

**QUAD-DECK PARALLEL TO SPC WALL**

- **Scale:** N.T.S.
- **Ø1/2" (12mm) ALL THREAD ROD (ASTM 193 B7) NEGATIVE MOMENT REINFORCEMENT**
  - SPACED @ 24" (610mm) O/C
  - VERTICAL LEGS THROUGH PRECAST HOLES IN BOND BEAM
  - HORIZONTAL LEGS MIN. 24" (610mm) INTO SLAB - TERMINATE W/ DOUBLE NUT
  - CENTERED VERTICALLY IN SLAB
- **QUAD-DECK PANEL THICKNESSES:** 7", 8", 9", 10", 11", 12" OR 12.5"
  - CENTERED VERTICALLY IN SLAB
- **QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED**
  - MIN. 2" (20mm) CONCRETE COVER FOR ALL PRIMARY REBAR
  - 2" TO 4" (50-100mm) NON-STRUCTURAL QUAD-DECK PANEL TO SUPERIOR WALL OVERLAP
- **FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING**
- **SUPERIOR WALL**
- **QUAD-DECK PANEL WIDTH**
  - 2'-0" (610mm) (TYP.)
- **QUAD-DECK PANEL THICKNESSES:** 7", 8", 9", 10", 11", 12" OR 12.5"
  - CENTERED VERTICALLY IN SLAB
- **QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED**
  - MIN. 2" (20mm) CONCRETE COVER FOR ALL PRIMARY REBAR
  - 2" TO 4" (50-100mm) NON-STRUCTURAL QUAD-DECK PANEL TO SUPERIOR WALL OVERLAP

**QUAD-DECK PERPENDICULAR TO SPC WALL**

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  - CENTERED VERTICALLY IN SLAB
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**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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604.590.8412 - fax
www.quadlock.com

2015-08-15
N/A
R1
8.5" x 11" [216mm x 279mm]
2021-10-01
NOT TO SCALE
Z. PROSTRAN
G. KUSTERMANN
QD-623
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2015-05-25

QUAD-DECK TRENCH DRAIN DETAIL

2021-10-01

R1

Z. PROSTRAN

G. KUSTERMANN

QUAD-DECK PANEL WIDTH
2'-0" [610mm]

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 3/8" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

ADDITIONAL INSULATION

FASTEN FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C

QUAD-DECK FLOOR DRAIN
Scale: N.T.S.

† 4" [100mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

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CONCRETE COMPRRESSIVE STRENGTH AS SPECIFIED
MAX. 3 8" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

SLAB REINFORCEMENT AS PER EOR E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

SLOPE AND FINISH AS SPECIFIED

SLAB THICKNESS RANGE 2" TO 6" [50mm TO 150mm]

QUAD-DECK PANEL WIDTH
2'-0" [610mm]

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SLOPE AND FINISH AS SPECIFIED

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**QUAD-DECK SLOPE OPTIONS FOR DRAINAGE**

- **A**
  - Great for roofs (with valleys)
  - Inexpensive & fast
  - Thermal optimization
  - Requires rigid board on top prior to waterproofing
  - **QUAD-DECK DRAINAGE SLOPE**
  - SLOPE BY ADDING TAPERED SHEET INSULATION ON TOP

- **B**
  - Great for garage floors (garage floor coating required)
  - **QUAD-DECK DRAINAGE SLOPE**
  - SLOPE ENTIRE FLOOR/ROOF ASSEMBLY - FUR OUT THE Underside

- **C**
  - **QUAD-DECK DRAINAGE SLOPE**
  - SLOPE THE SLAB THICKNESS

- **D**
  - **QUAD-DECK DRAINAGE SLOPE**
  - USE VARYING QUAD-DECK PANEL THICKNESSES

- **E**
  - **QUAD-DECK DRAINAGE SLOPE**
  - PLACE EPS SHEETS ON TOP OF EACH PANEL
  - USED WITH ONE WAY SLOPES

- **F**
  - **QUAD-DECK DRAINAGE SLOPE**
  - SAME AS OPTION D' ABOVE - SLOPE USING EPS SHEETS

---

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**Building Systems**

2015-05-25

**QUAD-DECK SLOPE OPTIONS FOR DRAINAGE**

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<th>DESCRIPTION</th>
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**2021-10-01**

**Z. PROSTRAN**

**G. KUSTERMANN**

**QD-802**

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

**NOT TO SCALE**

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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-DECK FLOOR STEP WITH SMALLER PANELS

- **QUAD-DECK PANEL THICKNESSES:**
  - 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

- **FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C**

- **QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED**
  - MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

- **SLAB THICKNESS RANGE**
  - 2" TO 6" [50mm TO 150mm]

- **CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
  - MAX. 3 8" [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR

- **SLAB REINFORCEMENT AS PER EOR**
  - E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

- **FLOOR STEP PERPENDICULAR TO QUAD-DECK WITH SMALLER QUAD-DECK PANELS**

- **FLOOR STEP PARALLEL TO QUAD-DECK WITH SMALLER QUAD-DECK PANELS**

- **QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED**
  - MIN. 2" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR
FLOOR STEP PERPENDICULAR TO QUAD-DECK WITH SMALLER SLAB THICKNESS

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

STEP REINFORCEMENT AS SPECIFIED
CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED
MAX. $\frac{3}{4}$ [10mm] AGGREGATE AND 6" [150mm] SLUMP
OR AS PER EOR

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

FLOOR STEP PARALLEL TO QUAD-DECK WITH SMALLER SLAB THICKNESS

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
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MAX. $\frac{3}{4}$ [10mm] AGGREGATE AND 6" [150mm] SLUMP
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SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

CONCRETE COMRESSIVE STRENGTH AS SPECIFIED
MAX. $\frac{3}{4}$ [10mm] AGGREGATE AND 6" [150mm] SLUMP
OR AS PER EOR

STEP REINFORCEMENT AS SPECIFIED
E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. $\frac{3}{4}$ [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

FASTEN FINISH TO QUAD-DECK INTEGRATED METAL FURRING
SPACED @ 12" [305mm] O/C

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. $\frac{3}{4}$ [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

FLOOR STEP PERPENDICULAR TO QUAD-DECK WITH SMALLER SLAB THICKNESS
Scale: N.T.S.
**FLOOR STEP PERPENDICULAR TO QUAD-DECK WITH DROPPED PANELS**

Scale: N.T.S.

**STEP REINFORCEMENT AS SPECIFIED**
- **CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
- **MAX. 3/8 [10mm] AGGREGATE AND 6" [150mm] SLUMP**
- **OR AS PER EOR**

**SLAB THICKNESS RANGE**
- 2" TO 6" [50mm TO 150mm]

**QUAD-DECK PANEL THICKNESSES:**
- 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED**
- **MIN. 3/8 [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR**
- **OR AS PER EOR**

**REINFORCEMENT SPLICE AS SPECIFIED**

**FLOOR STEP PARALLEL TO QUAD-DECK WITH DROPPED PANELS**

Scale: N.T.S.

**STEP REINFORCEMENT AS SPECIFIED**
- **CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
- **MAX. 3/8 [10mm] AGGREGATE AND 6" [150mm] SLUMP**
- **OR AS PER EOR**

**SLAB THICKNESS RANGE**
- 2" TO 6" [50mm TO 150mm]

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- 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED**
- **MIN. 3/8 [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR**
- **OR AS PER EOR**

**REINFORCEMENT OVERLAP AS SPECIFIED**

**REINFORCEMENT SPLICE AS SPECIFIED**

**FIELD CUT QUAD-DECK PANEL**

**FASTEN FINISH TO QUAD-DECK INTEGRATED METAL FURRING**
- SPACED @ 12" [305mm] O/C
**QUAD-DECK PLUMBING INSTALLATION DETAIL**

**Scale:** N.T.S.

**QUAD-DECK PANEL THICKNESSES:**
- 7”, 8”, 9”, 10”, 11”, 12” or 12.5”
- [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**QUAD-DECK PLUMBING DETAIL**

1. **SLAB THICKNESS RANGE**
   - 2” to 6” (50mm to 150mm)

2. **QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPEC’D MIN.**
   - 3/8” [10mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR

3. **CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED MAX.**
   - 3/4” [10mm] AGGREGATE AND 6” [150mm] SLUMP OR AS PER EOR

4. **METAL FURRING FOR FINISH ATTACHMENT SPACED @ 12” [305mm] O.C.**

5. **FASTEN FINISH TO QUAD-DECK INTEGRATED METAL FURRING**

6. **PENETRATIONS AT THIS LOCATION CAN BE DONE ONLY WITH PERMISSION FROM ENGINEER OF RECORD SEE DETAIL QD-807**

7. **UTILITY PENETRATIONS ARE OK. NOTE THAT METAL FURRING MUST BE CUT AND ADDITIONAL SHORING AND/or PLYWOOD FORMWORK SUPPORT IS NECESSARY**

8. **AVOID, IF POSSIBLE**

9. **PREFERRED LOCATION FOR UTILITY PENETRATION**

**FIRE RATING REQUIREMENTS (CAULKING, PENETRATION MATERIAL, ETC.) NOT A PART OF THIS DETAIL**

**E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY**

**CONCRETE COMpressive STRENGTH AS SPECIFIED MAX.**

**SCALE:** N.T.S.

**QUAD-LOCK Building Systems**

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**QUAD-LOCK BUILDING SYSTEMS**

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.
TO THE ENGINEER OF RECORD (EOR) FOR APPROVAL.

IN ALL POSSIBLE CASES AVOID PASSING UTILITIES VERTICALLY THROUGH CONCRETE JOISTS. THIS DETAIL IS ONLY WHEN APPROVED BY THE ENGINEER OF RECORD (EOR).

SLEEVE FOR PLUMBING ELEMENT
USE SPRAY FOAM TO KEEP IN PLACE DURING POUR

SLAB REINFORCEMENT AS PER EOR
E.G. WWM 6x6 [152x152] OR #3 [10M] EACH WAY

SLAB THICKNESS RANGE
2" TO 6" [50mm TO 150mm]

QUAD-DECK PANEL THICKNESSES:
7", 8", 9", 10", 11", 12" OR 12.5"
[178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED
MIN. 3/4" [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR
OR AS PER EOR

CONCRETE COMPRRESSIVE STRENGTH AS SPECIFIED
MAX. 3/8" [10mm] AGGREGATE AND 6" [150mm] SLUMP
OR AS PER EOR

QUAD-DECK CONCRETE JOIST BYPASS DETAIL
Scale: N.T.S.

QUAD-DECK CONCRETE JOIST PLUMBING BYPASS

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SHEAR STIRRUP OPTIONS

1. SHEAR REINFORCEMENT OPTION 1
   Scale: N.T.S.
   Top longitudinal development bar.

2. SHEAR REINFORCEMENT OPTION 2
   Scale: N.T.S.
   Welded wire fabric/mesh - refer to ACI-318 chapter 12 for specific dimensional requirements for horizontal strands. Vertical strand spacing as required by shear calc's. (Top longitudinal bar not needed for development)
   Top strand to have min. cover as required. Second top strand to be 2" down.
   Bottom strand to be in line with longitudinal reinforcement. Next strand to be 2" up.

3. SHEAR REINFORCEMENT OPTION 3
   Scale: N.T.S.
   Single bar (typically #3 [10m]) bent as required. (Top longitudinal bar not needed for development)

4. SHEAR REINFORCEMENT OPTION 4
   Scale: N.T.S.

DETAIL DIMENSIONS

2015-08-25
Z. Prostran
R1
8.5" x 11" [216mm x 279mm]
2021-10-01
G. Kustermann
QD-808

NOT TO SCALE
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.
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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**Fire Stop at Partition Walls**

**Quad-Deck Perpendicular to Partition Wall**

1. **Quad-Deck Concrete Joist Reinforcement**
   - Continue through fire stop
   - Min. 3/8" [20mm] concrete cover for all primary rebar or as per EOR

2. **Quad-Deck Panel Thicknesses**
   - 7", 8", 9", 10", 11", 12" or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**Quad-Deck Parallel to Partition Wall**

- Fasten ceiling finish to quad-deck integrated metal furring spaced @ 12" [305mm] O/C
- Secure top plate to concrete
- Quad-deck panel thicknesses: 7", 8", 9", 10", 11", 12" or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

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**FIRE RATED PARTITION WALL - NOT A LOAD BEARING WALL**

**SLAB THICKNESS RANGE**
- 2" TO 8" [50mm TO 150mm]

**SLAB REINFORCEMENT AS PER EOR**
- E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

**CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
- Max. 3 1/8" [10mm] aggregate and 6" [150mm] slump or as per EOR

**CONTINUOUS CONCRETE STRIP AS FIRE STOP**
- Not a load bearing beam reinforcement and size as specified

**FINISH AS SPECIFIED**
- Slab thickness range 2" to 6" [50mm to 150mm]

**QUAD-DECK PANEL THICKNESSES:**
- 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

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**FIRE STOP AT PARTITION WALLS**

**QUAD-DECK PERPENDICULAR TO PARTITION WALL**

- Fasten ceiling finish to quad-deck integrated metal furring spaced @ 12" [305mm] O/C
- Secure top plate to concrete
- Quad-deck panel thicknesses: 7", 8", 9", 10", 11", 12" or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**QUAD-DECK CONCRETE JOIST REINFORCEMENT**
- Continue through fire stop
- Min. 3/8" [20mm] concrete cover for all primary rebar or as per EOR

---

**FIRE RATED PARTITION WALL - NOT A LOAD BEARING WALL**

**SLAB THICKNESS RANGE**
- 2" TO 8" [50mm TO 150mm]

**SLAB REINFORCEMENT AS PER EOR**
- E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

**CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
- Max. 3 1/8" [10mm] aggregate and 6" [150mm] slump or as per EOR

**CONTINUOUS CONCRETE STRIP AS FIRE STOP**
- Not a load bearing beam reinforcement and size as specified

**FINISH AS SPECIFIED**
- Slab thickness range 2" to 6" [50mm to 150mm]

**QUAD-DECK PANEL THICKNESSES:**
- 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

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**FIRE STOP AT PARTITION WALLS**

**QUAD-DECK PARALLEL TO PARTITION WALL**

- Fasten ceiling finish to quad-deck integrated metal furring spaced @ 12" [305mm] O/C
- Secure top plate to concrete
- Quad-deck panel thicknesses: 7", 8", 9", 10", 11", 12" or 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]

**QUAD-DECK CONCRETE JOIST REINFORCEMENT**
- Continue through fire stop
- Min. 3/8" [20mm] concrete cover for all primary rebar or as per EOR

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**FIRE RATED PARTITION WALL - NOT A LOAD BEARING WALL**

**SLAB THICKNESS RANGE**
- 2" TO 8" [50mm TO 150mm]

**SLAB REINFORCEMENT AS PER EOR**
- E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY

**CONCRETE COMPRESSIVE STRENGTH AS SPECIFIED**
- Max. 3 1/8" [10mm] aggregate and 6" [150mm] slump or as per EOR

**CONTINUOUS CONCRETE STRIP AS FIRE STOP**
- Not a load bearing beam reinforcement and size as specified

**FINISH AS SPECIFIED**
- Slab thickness range 2" to 6" [50mm to 150mm]

**QUAD-DECK PANEL THICKNESSES:**
- 7", 8", 9", 10", 11", 12" OR 12.5" [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
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-DECK TO STEEL STUD WALL**

1. **QUAD-DECK TO STEEL STUD WALL**

   **PANELS PARALLEL TO WALL**

   - **SLAB REINFORCEMENT AS PER EOR**
     - E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY
   - **CONCRETE COMRESSIVE STRENGTH AS SPECIFIED**
     - MAX. 3/4 [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR
   - **SLAB THICKNESS RANGE**
     - 2" TO 6" [50mm TO 150mm]
   - **QUAD-DECK PANEL THICKNESSES:**
     - 7", 8", 9", 10", 11", 12" OR 12.5"
     - [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
   - **FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C**
   - **QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED**
     - MIN. 2/3 [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR
   - **CONT. PERIMETER REINFORCEMENT AS SPECIFIED**
   - **REBAR DOWELS AS SPECIFIED WELDED TO STEEL PLATES**
   - **LOAD BEARING STEEL STUD WALL**

2. **QUAD-DECK TO STEEL STUD WALL**

   **PANELS PERPENDICULAR TO WALL**

   - **SLAB REINFORCEMENT AS PER EOR**
     - E.G. WWM 6X6 [152X152] OR #3 [10M] EACH WAY
   - **CONCRETE COMRESSIVE STRENGTH AS SPECIFIED**
     - MAX. 3/8 [10mm] AGGREGATE AND 6" [150mm] SLUMP OR AS PER EOR
   - **SLAB THICKNESS RANGE**
     - 2" TO 6" [50mm TO 150mm]
   - **QUAD-DECK PANEL THICKNESSES:**
     - 7", 8", 9", 10", 11", 12" OR 12.5"
     - [178mm, 203mm, 229mm, 254mm, 279mm, 305mm, 318mm]
   - **FASTEN CEILING FINISH TO QUAD-DECK INTEGRATED METAL FURRING SPACED @ 12" [305mm] O/C**
   - **QUAD-DECK CONCRETE JOIST REINFORCEMENT AS SPECIFIED**
     - MIN. 2/3 [20mm] CONCRETE COVER FOR ALL PRIMARY REBAR OR AS PER EOR
   - **CONT. PERIMETER REINFORCEMENT AS SPECIFIED**
   - **REBAR DOWELS AS SPECIFIED COINCIDING WITH QUAD-DECK CONCRETE JOISTS WELDED TO STEEL PLATES**
   - **STEEL PLATE AT EACH REBAR DOWEL SECURE TO STUD WALL TOP TRACK WITH SHEET METAL SCREWS**
   - **LOAD BEARING STEEL STUD WALL**

**QUAD-DECK TO STEEL STUD WALL**

**Drawing Information**

- **Drawing No:** R1
- **Date Drawn:** 2021-10-01
- **Scale:** NOT TO SCALE
- **Sheet Size:** 8.5" x 11" [216mm x 279mm]
- **Rev:** QD-811

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