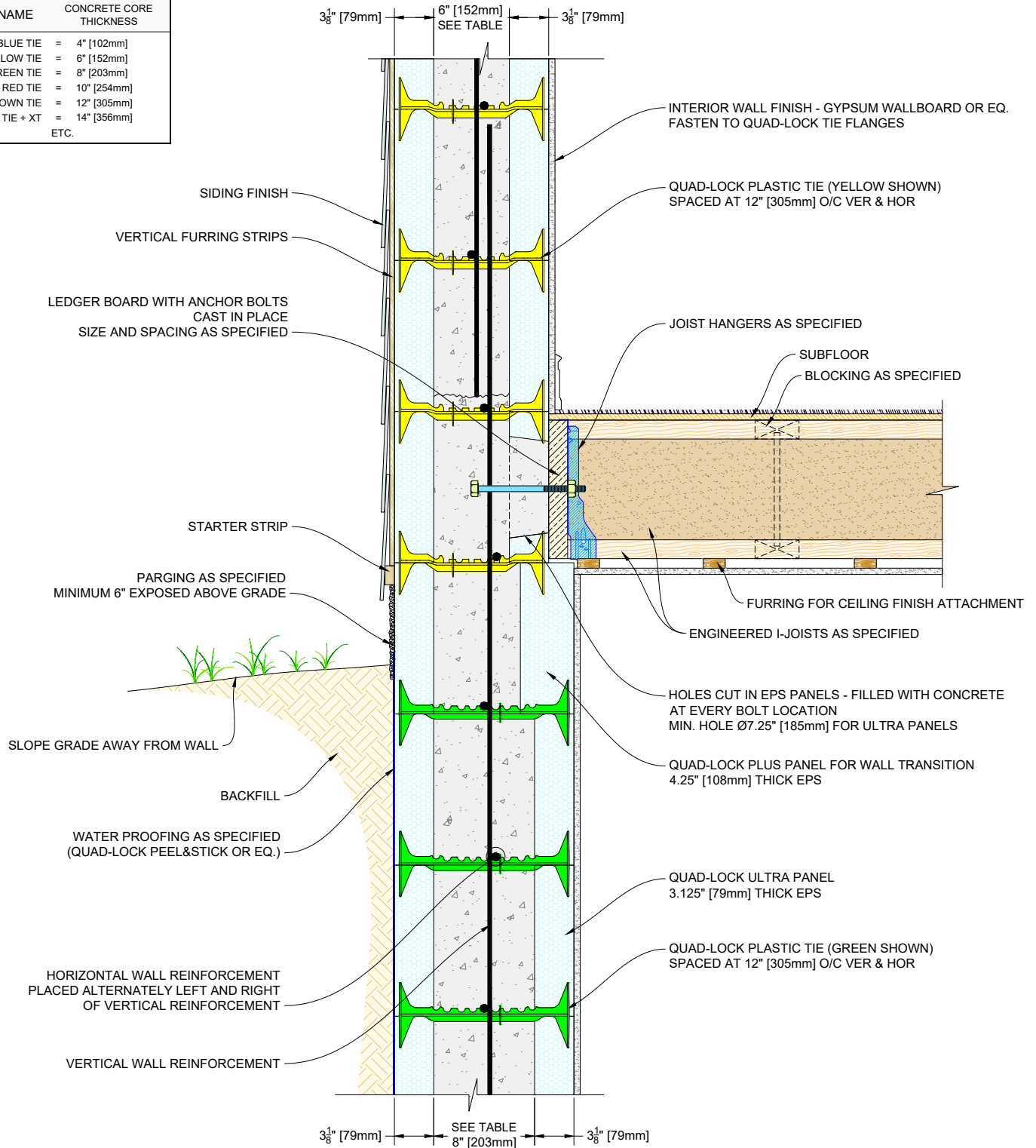


QUAD-LOCK R-28 [U-0.21] WALL

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



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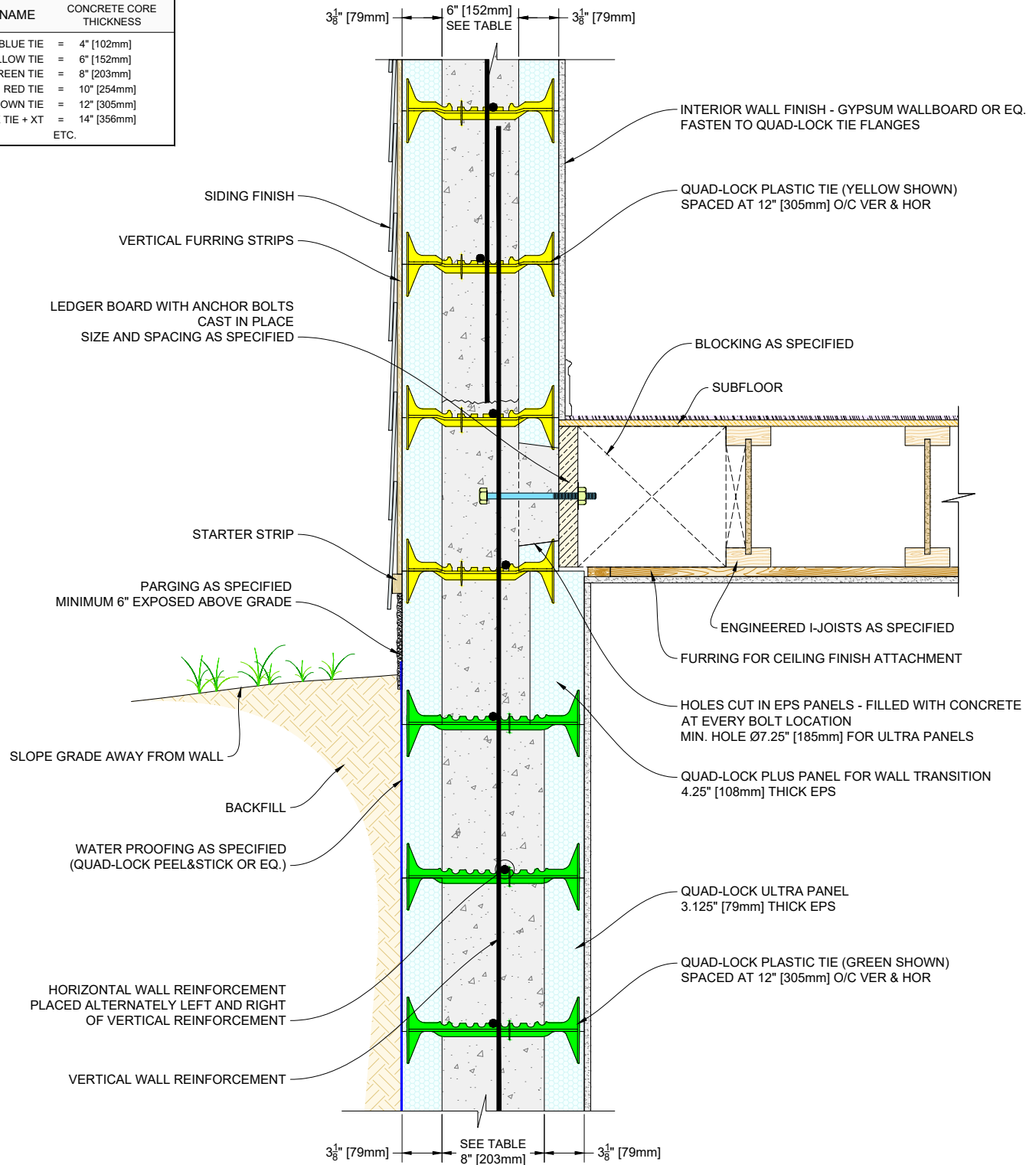
IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.

I-JOISTS PERPENDICULAR TO QUAD-LOCK BOLTED METHOD WITH CONCRETE TRANSITION

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMAN
			QLU-301

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

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



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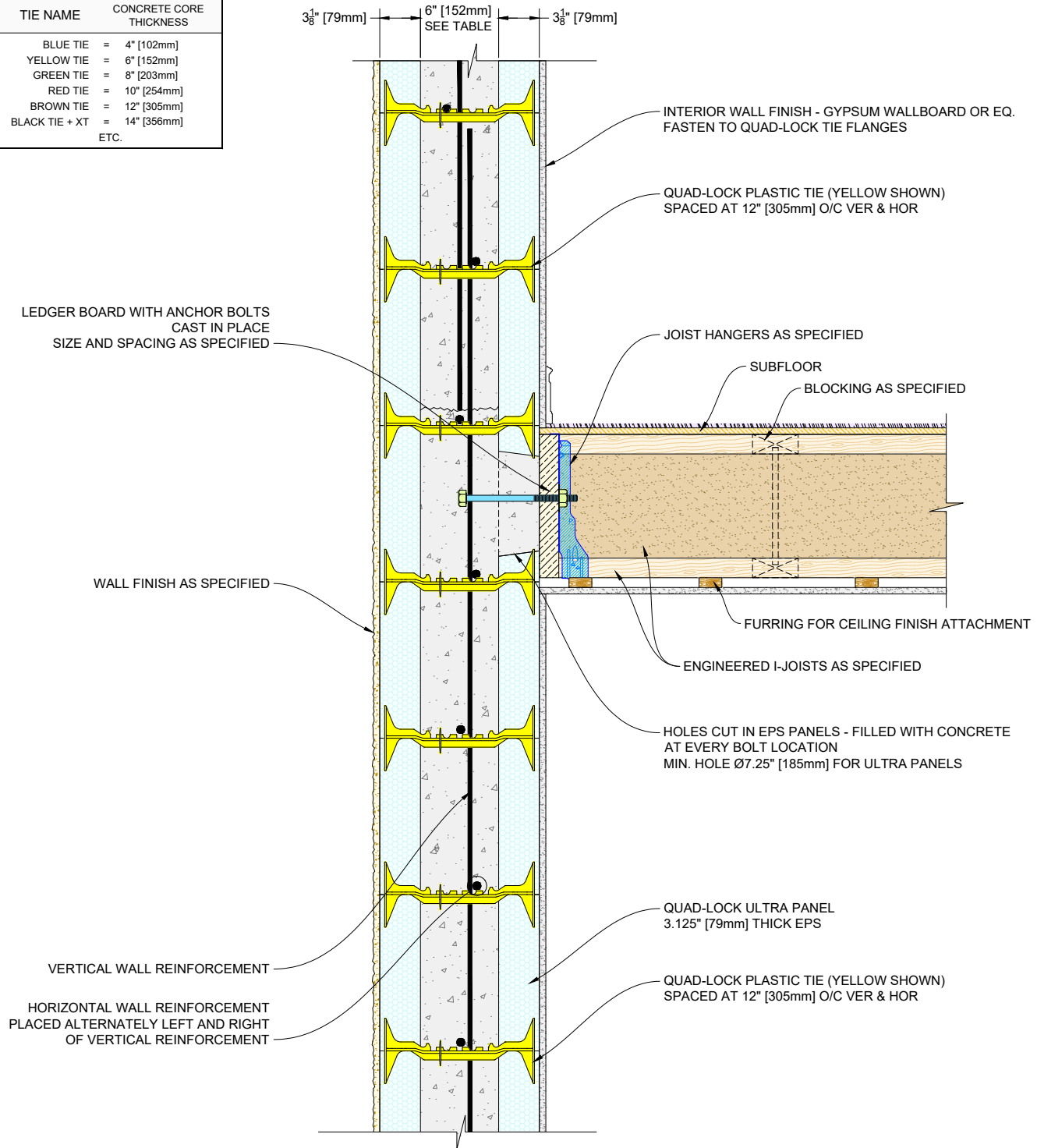
IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.

I-JOISTS PARALLEL TO QUAD-LOCK BOLTED METHOD WITH CONCRETE TRANSITION

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMANN
			DRAWING NO: QLU-302

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

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



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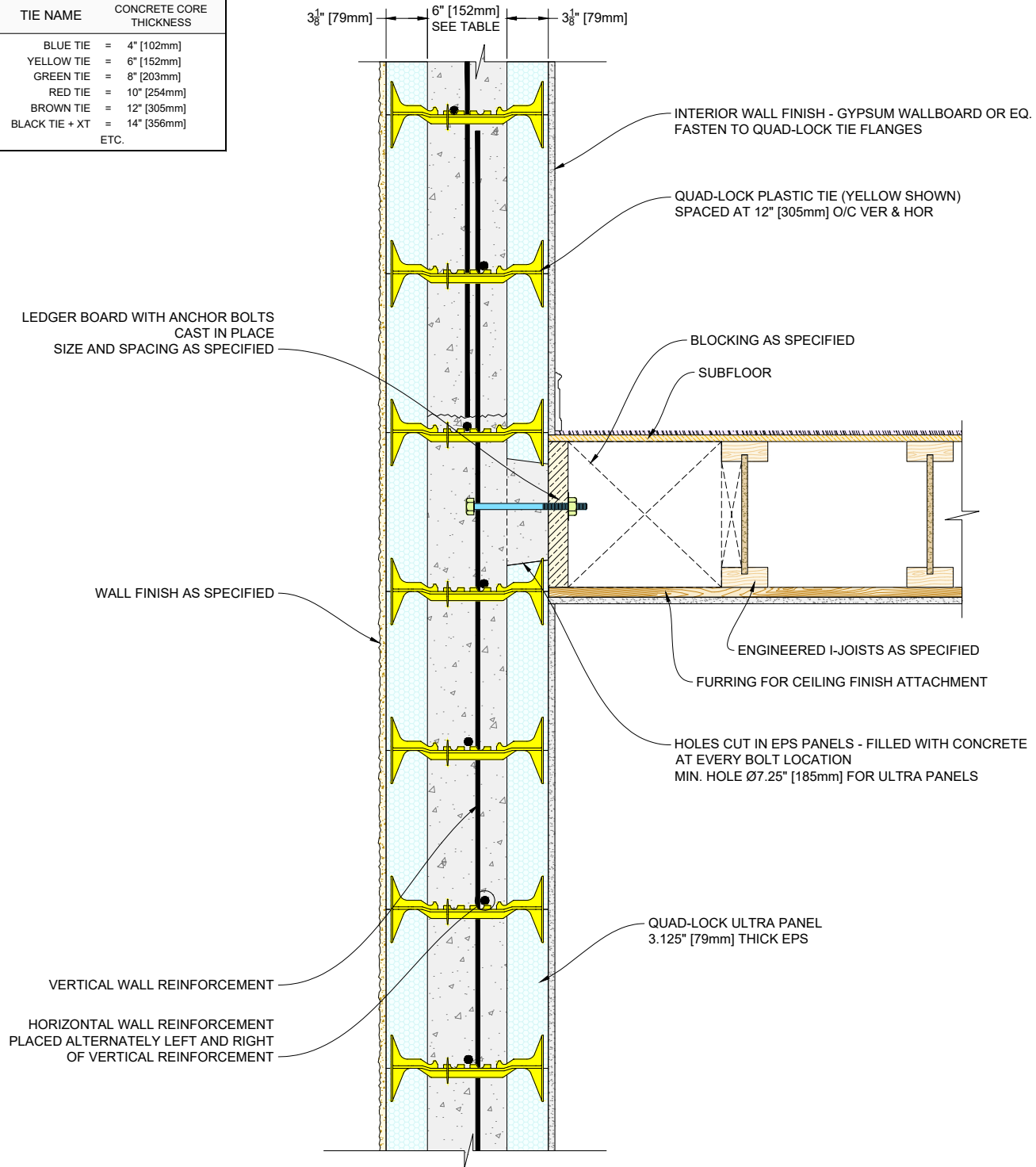
IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.

I-JOISTS PERPENDICULAR TO QUAD-LOCK BOLTED METHOD

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMANN
			DRAWING NO: QLU-303

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

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



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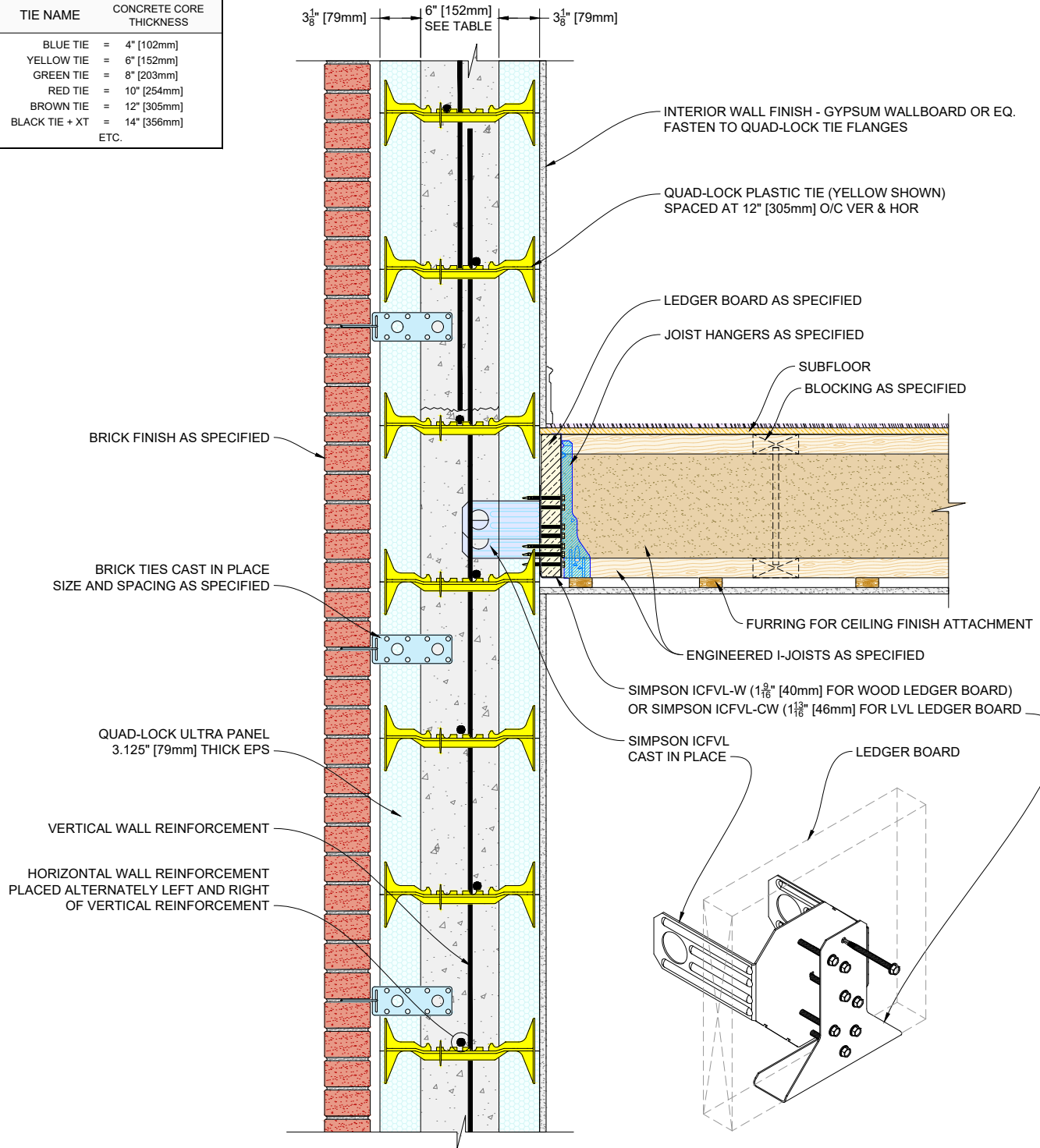
IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.

I-JOISTS PARALLEL TO QUAD-LOCK BOLTED METHOD

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMANN
			DRAWING NO: QLU-304

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

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



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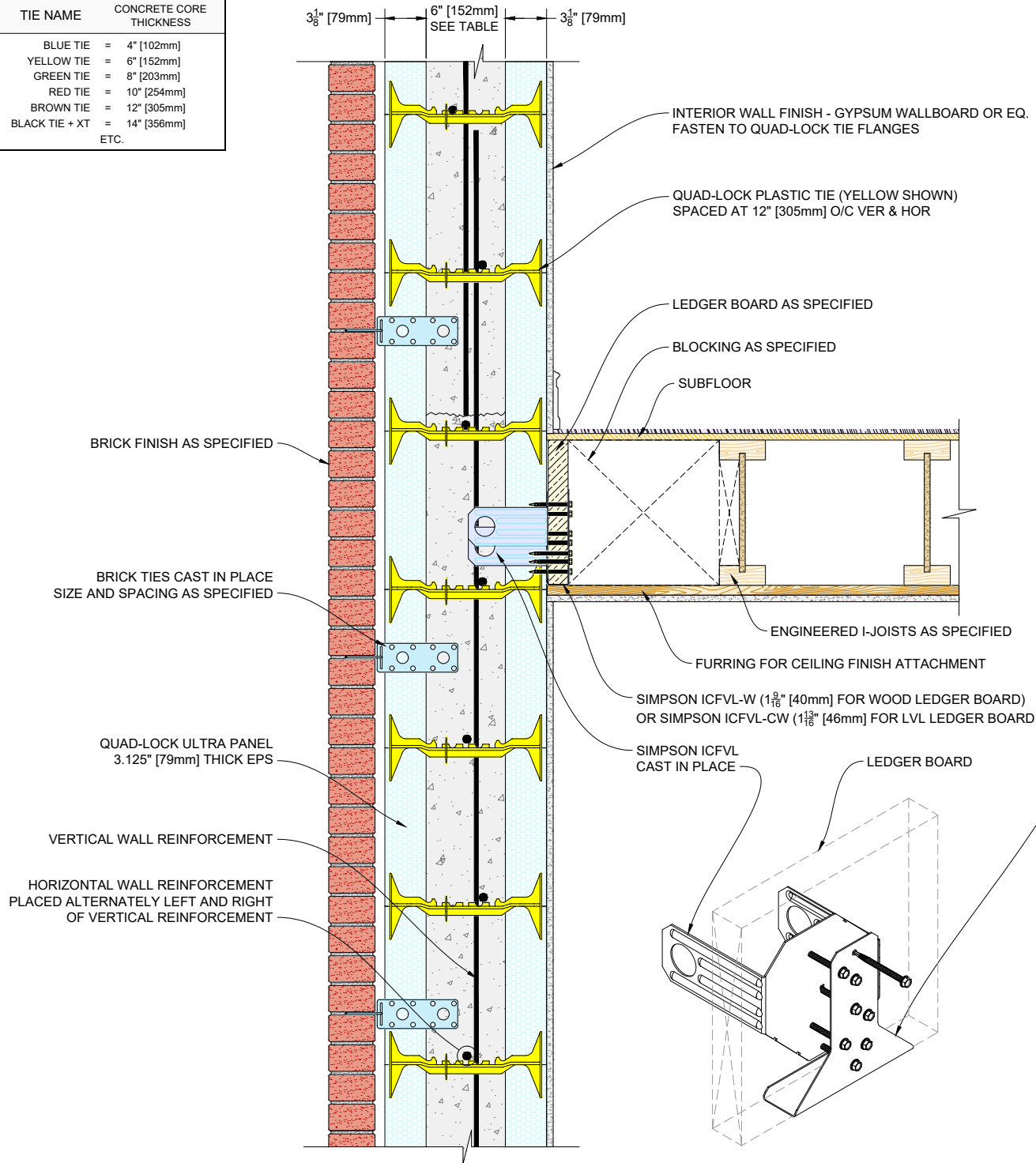
IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.

I-JOISTS PERPENDICULAR TO QUAD-LOCK SIMPSON ICFVL METHOD

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMANN
			DRAWING NO: QLU-305

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

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



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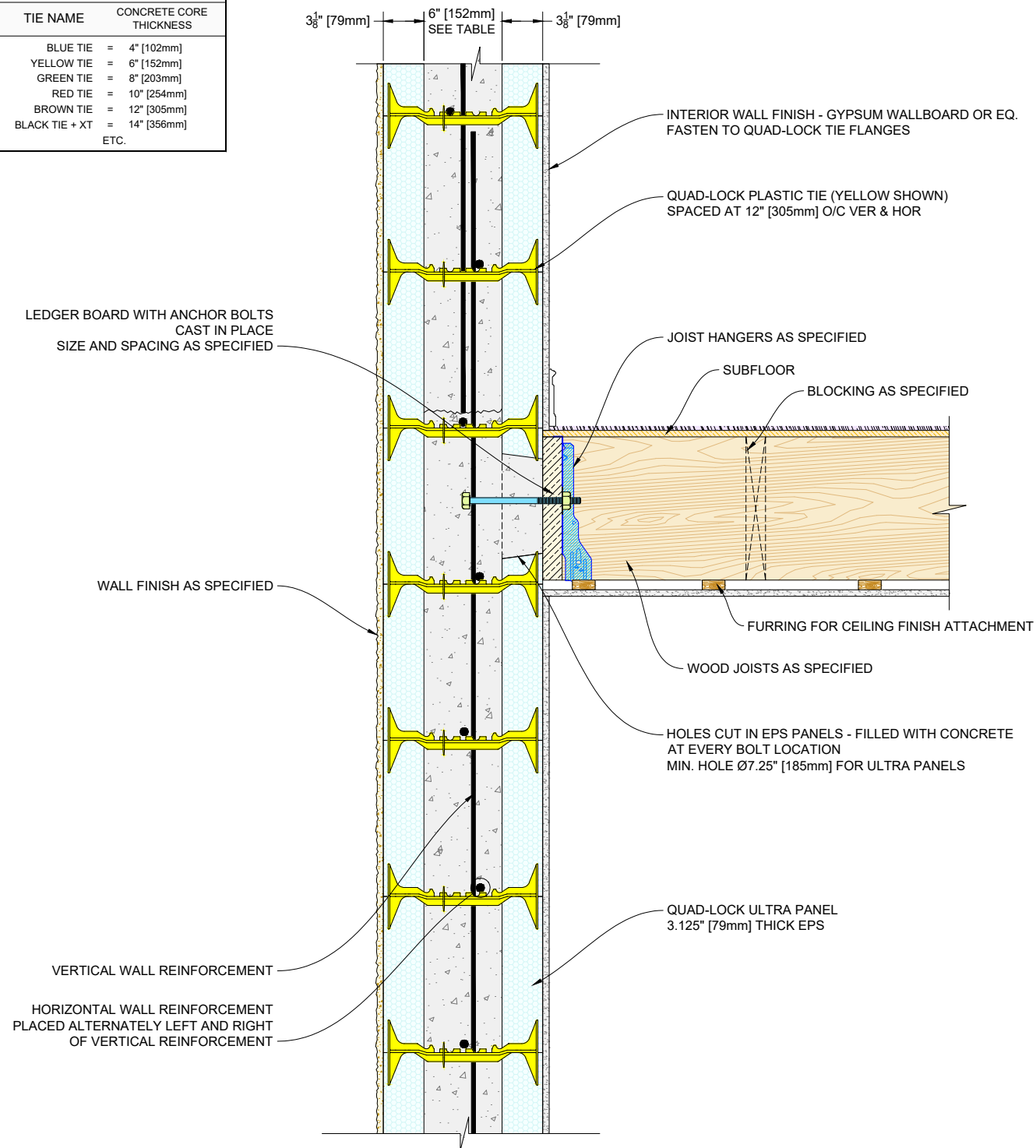
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I-JOISTS PARALLEL TO QUAD-LOCK SIMPSON ICFVL METHOD

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMANN
			DRAWING NO: QLU-306

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



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WOOD JOISTS PERPENDICULAR TO QUAD-LOCK

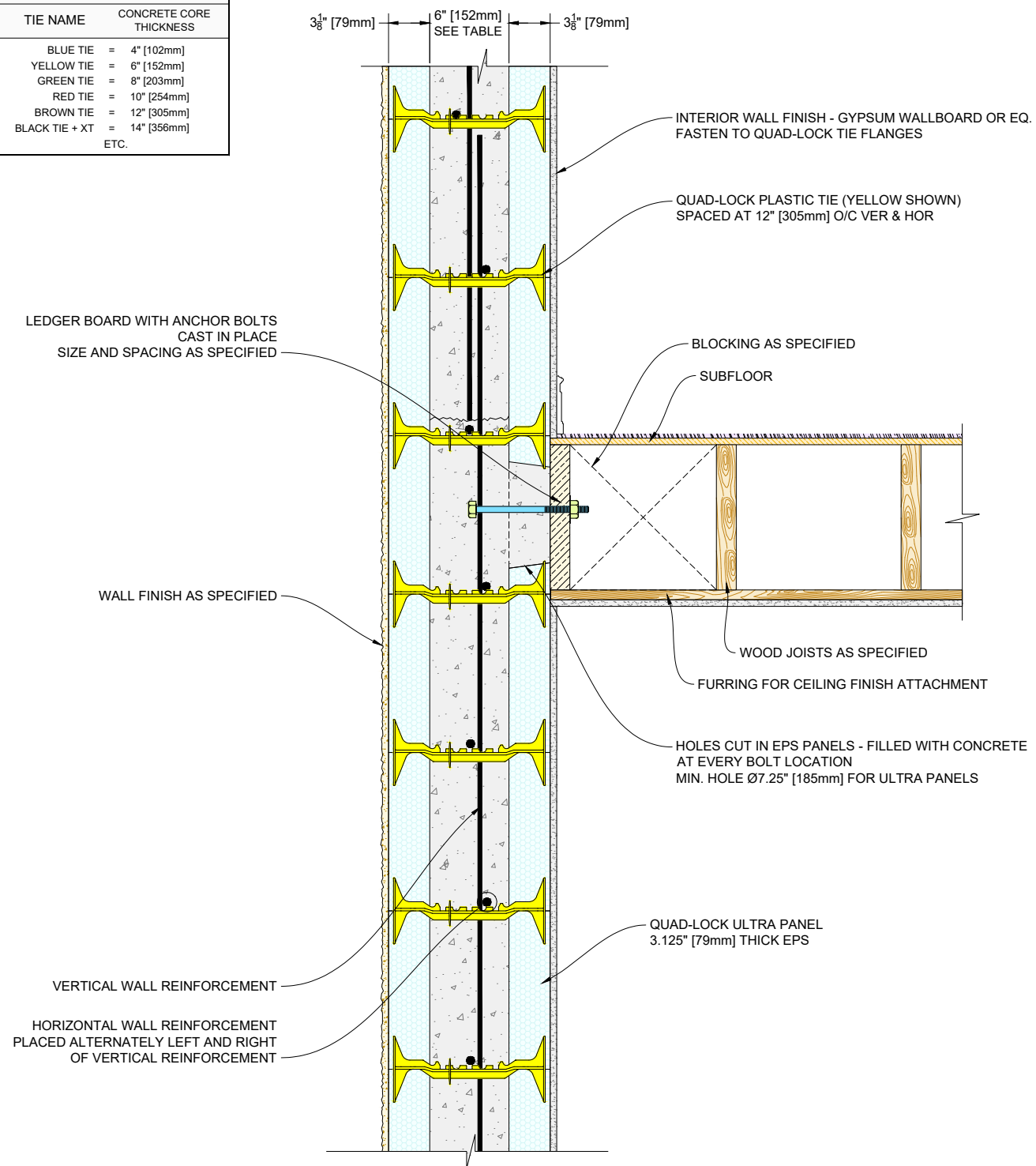
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REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMAN

DRAWING NO:

QLU-307

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

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



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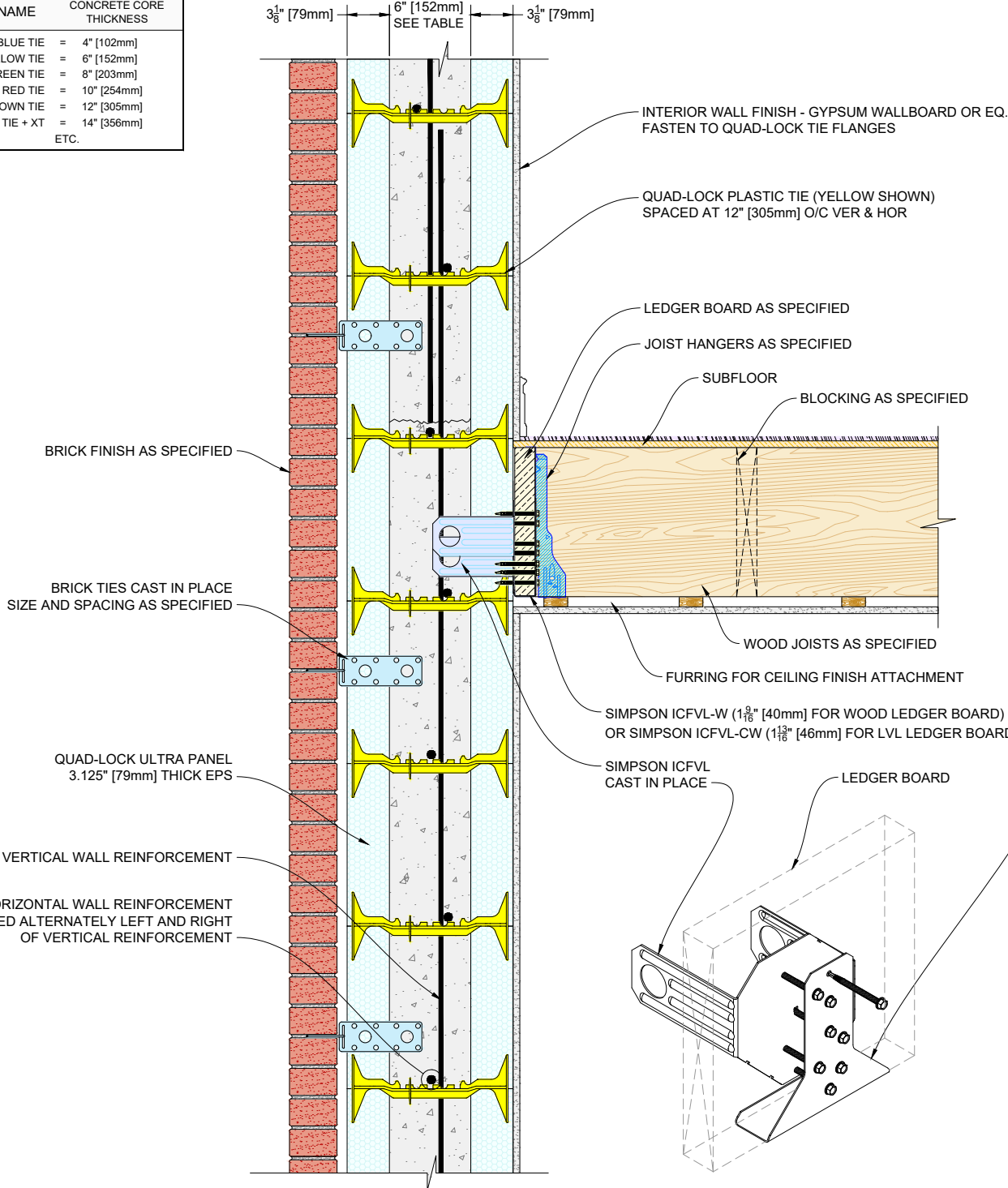
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IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.

WOOD JOISTS PARALLEL TO QUAD-LOCK BOLTED METHOD

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMANN
			DRAWING NO: QLU-308

QUAD-LOCK R-28 [U-0.21] WALL		
TIE NAME		CONCRETE CORE THICKNESS
BLUE TIE	=	4" [102mm]
YELLOW TIE	=	6" [152mm]
GREEN TIE	=	8" [203mm]
RED TIE	=	10" [254mm]
BROWN TIE	=	12" [305mm]
BLACK TIE + XT	=	14" [356mm]
ETC.		



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WOOD JOISTS PERPENDICULAR TO QUAD-LOCK

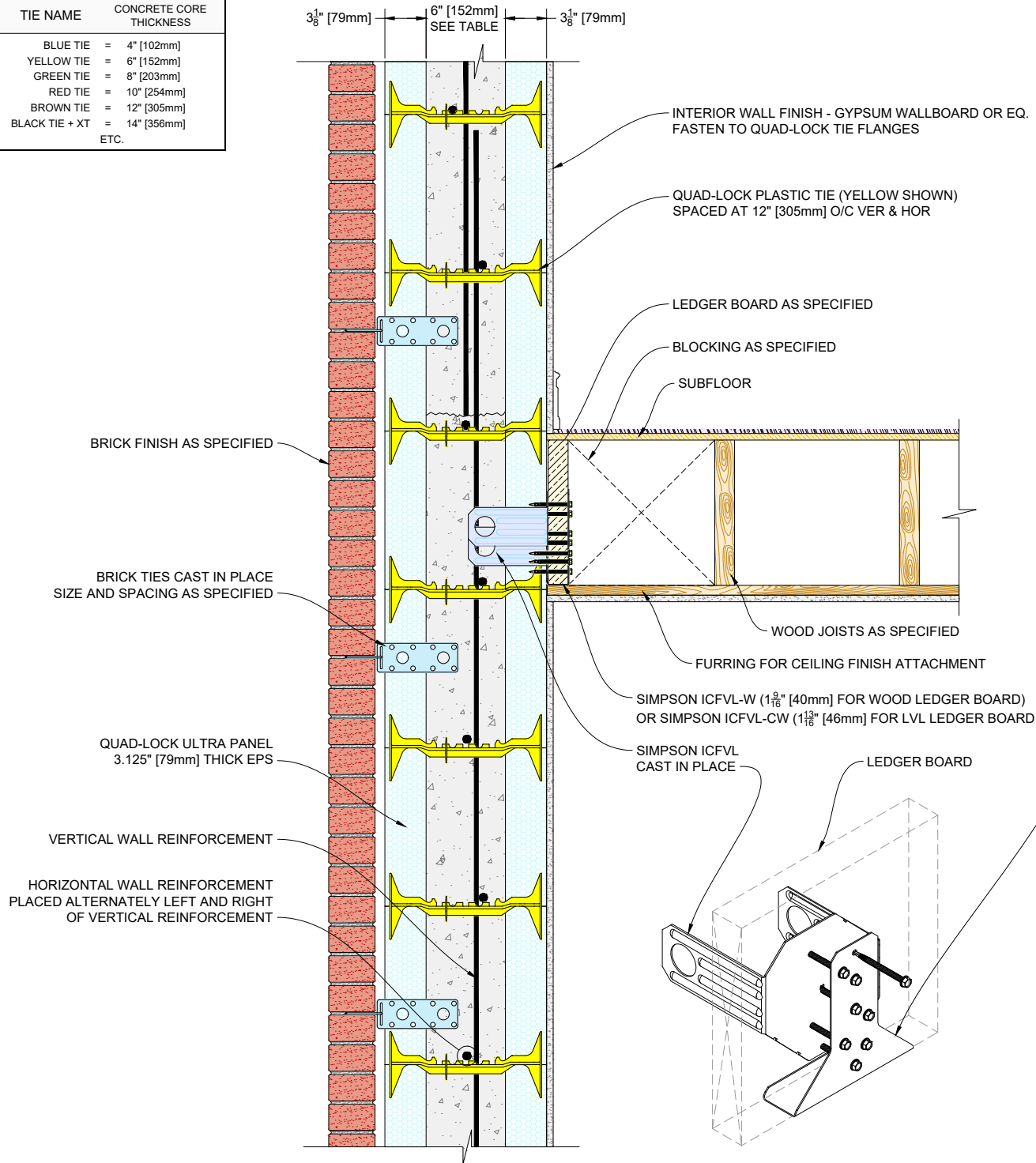
DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMANN
			DRAWING NO: QLU-309

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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-LOCK R-28 [U-0.21] WALL

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



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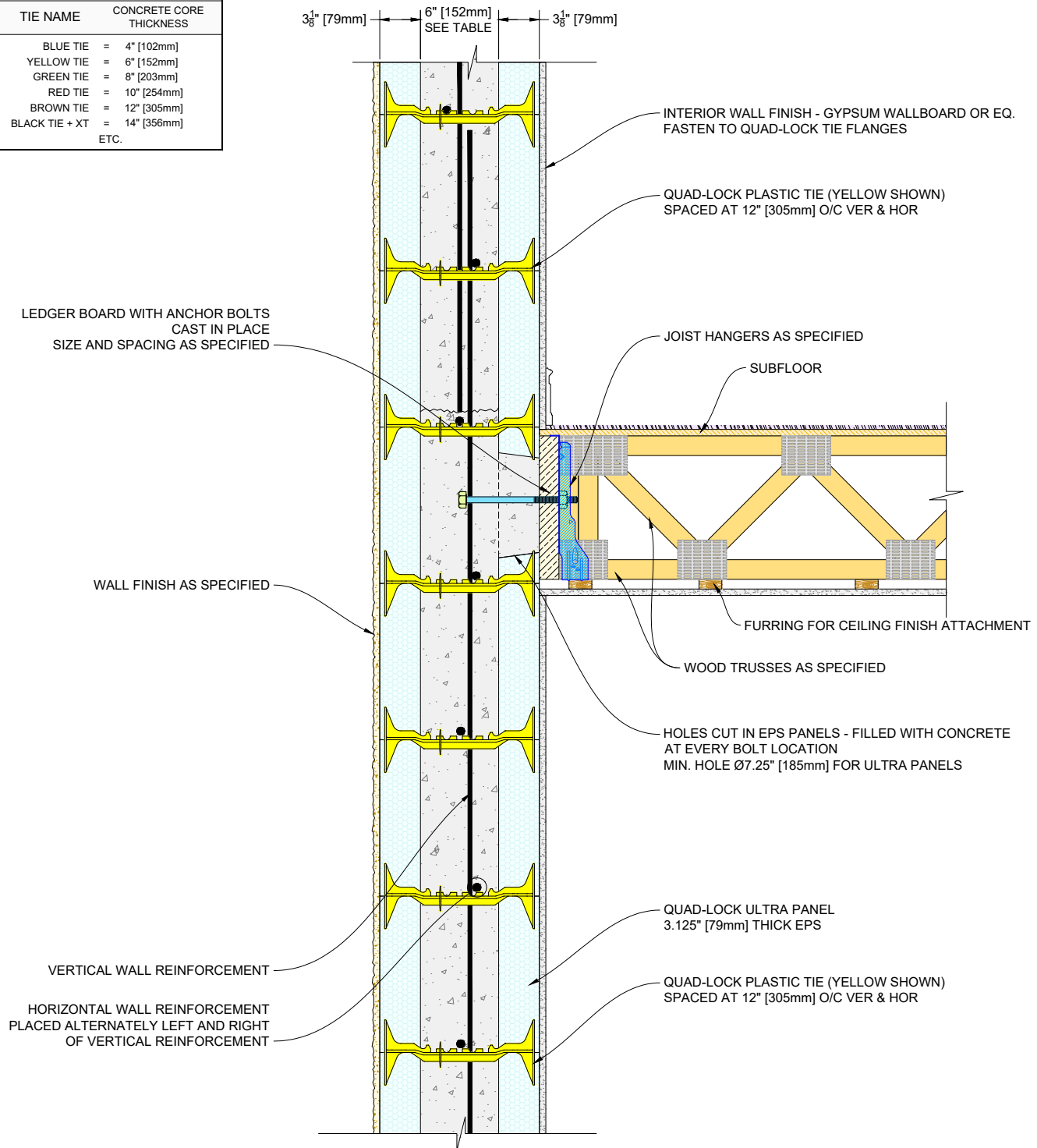
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WOOD JOISTS PARALLEL TO QUAD-LOCK SIMPSON ICFVL METHOD

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMAN
			QLU-310

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

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



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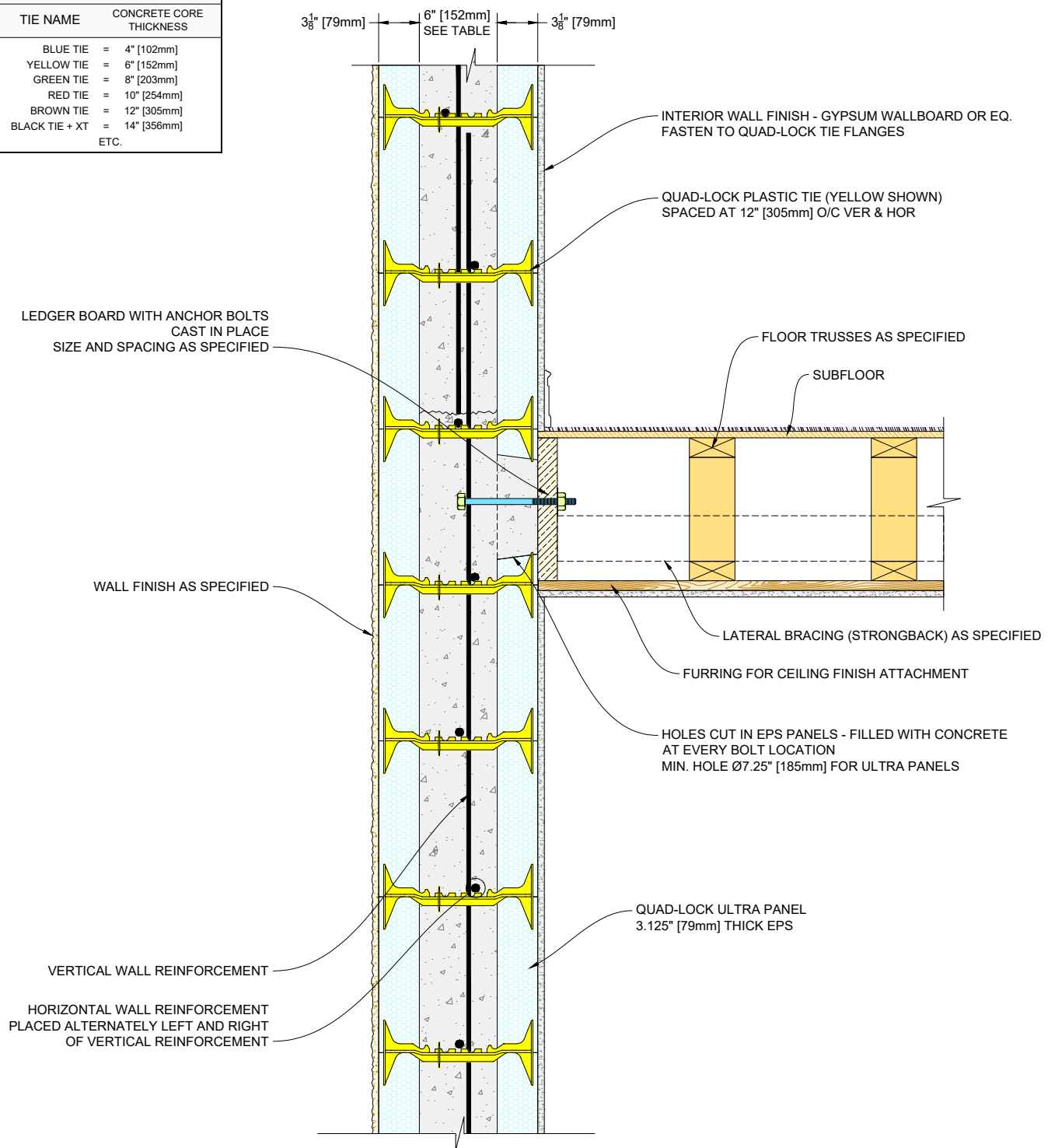
IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.

WOOD TRUSSES PERPENDICULAR TO QUAD-LOCK BOLTED METHOD

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMANN
			DRAWING NO: QLU-311

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

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



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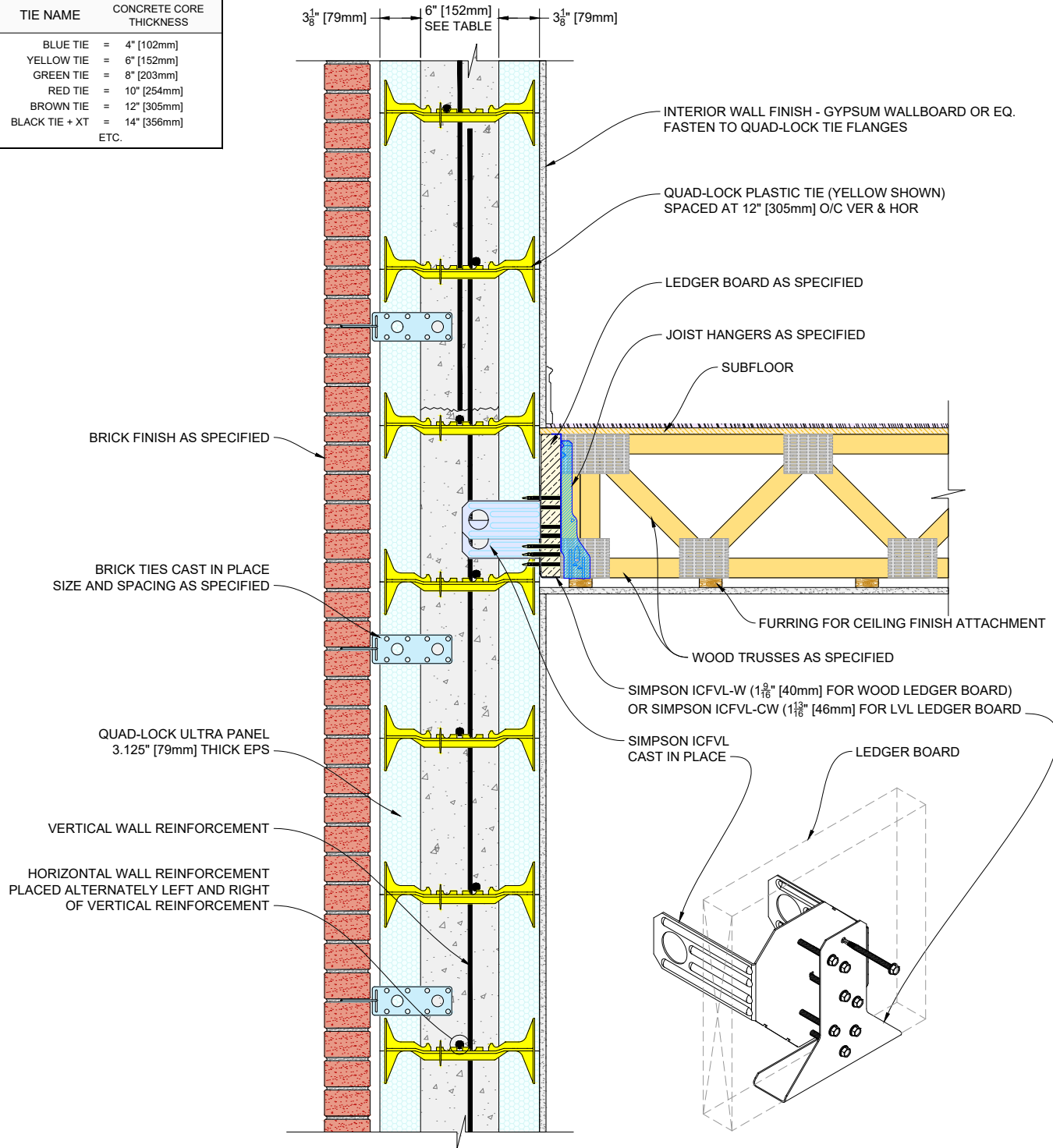
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WOOD TRUSSES PARALLEL TO QUAD-LOCK BOLTED METHOD

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMANN
			DRAWING NO: QLU-312

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

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



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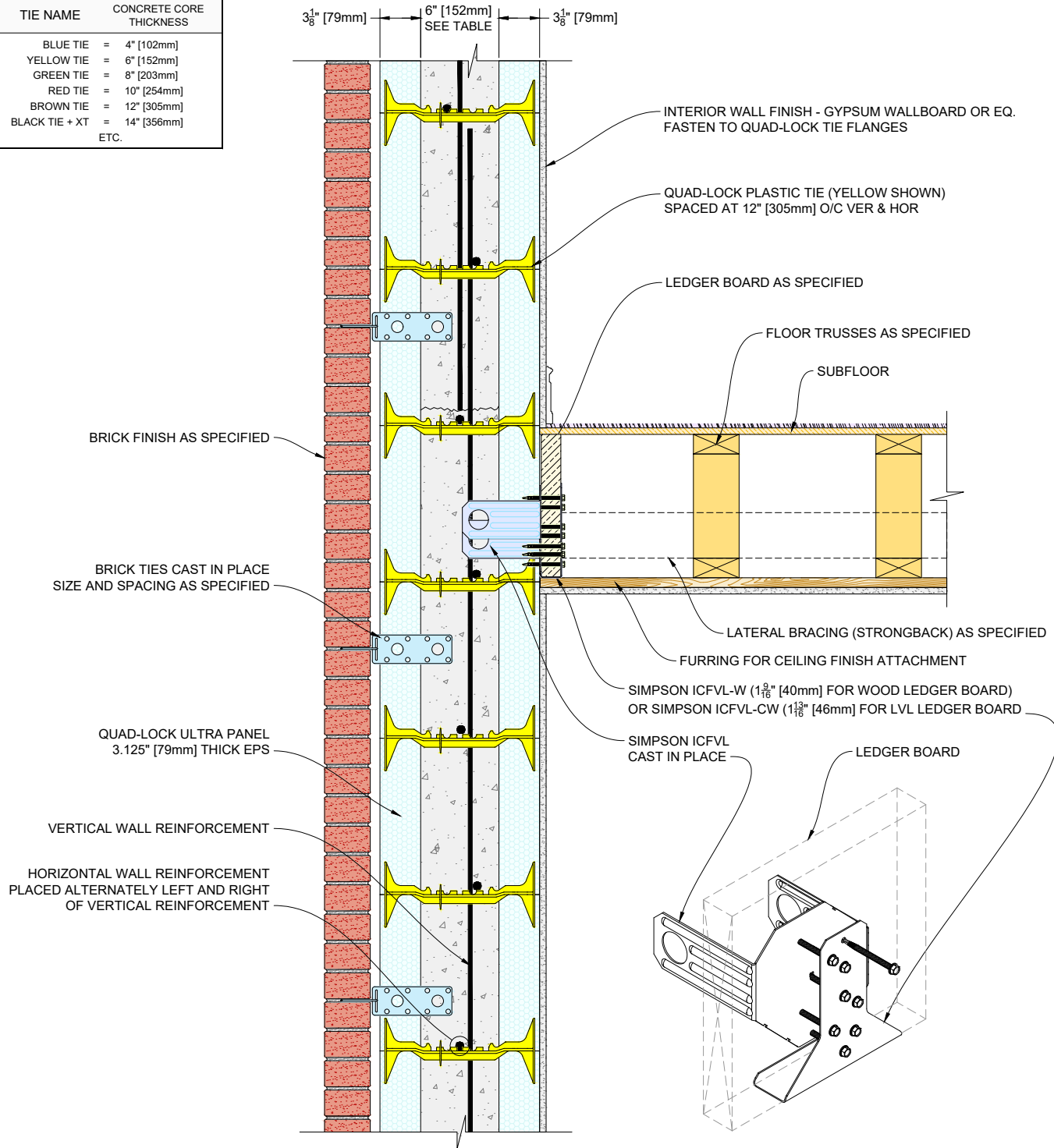
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WOOD TRUSSES PERPENDICULAR TO QUAD-LOCK SIMPSON ICFVL METHOD

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMANN
			QLU-313

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

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



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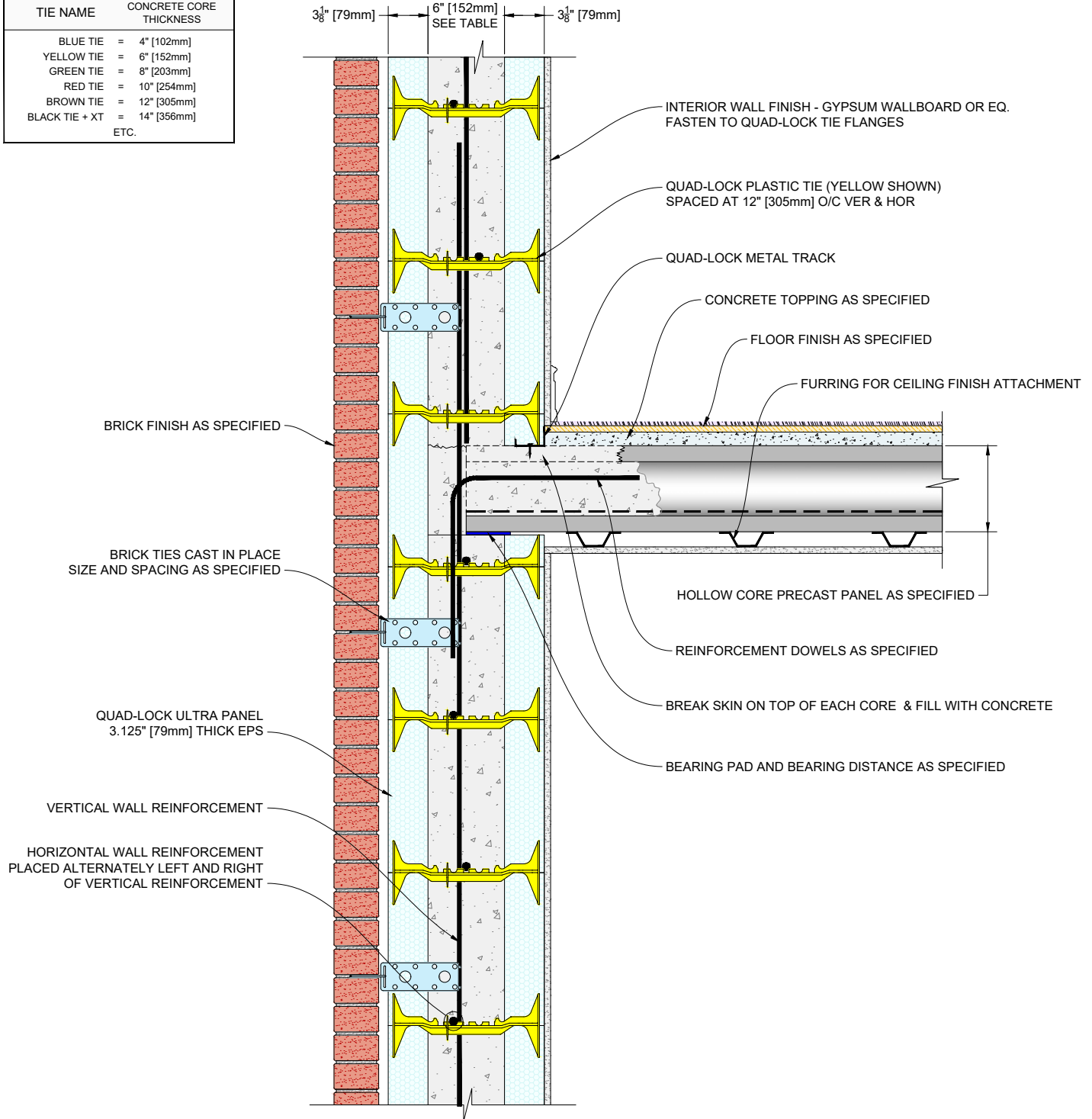
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WOOD TRUSSES PARALLEL TO QUAD-LOCK SIMPSON ICFVL METHOD

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMANN
			DRAWING NO: QLU-314

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

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



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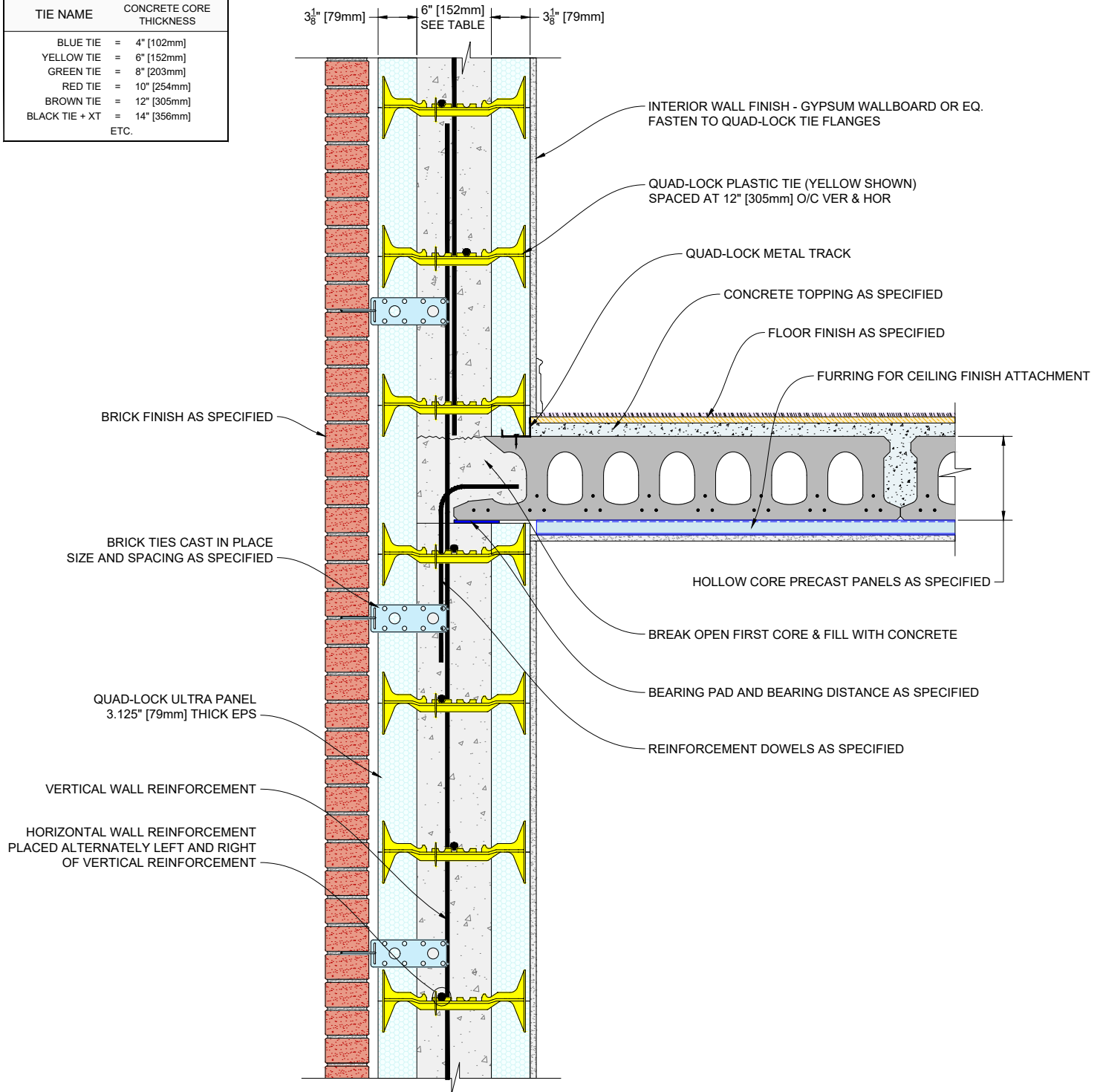
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HOLLOW CORE PRECAST PANELS PERPENDICULAR TO QUAD-LOCK

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMANN
			DRAWING NO: QLU-315

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

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



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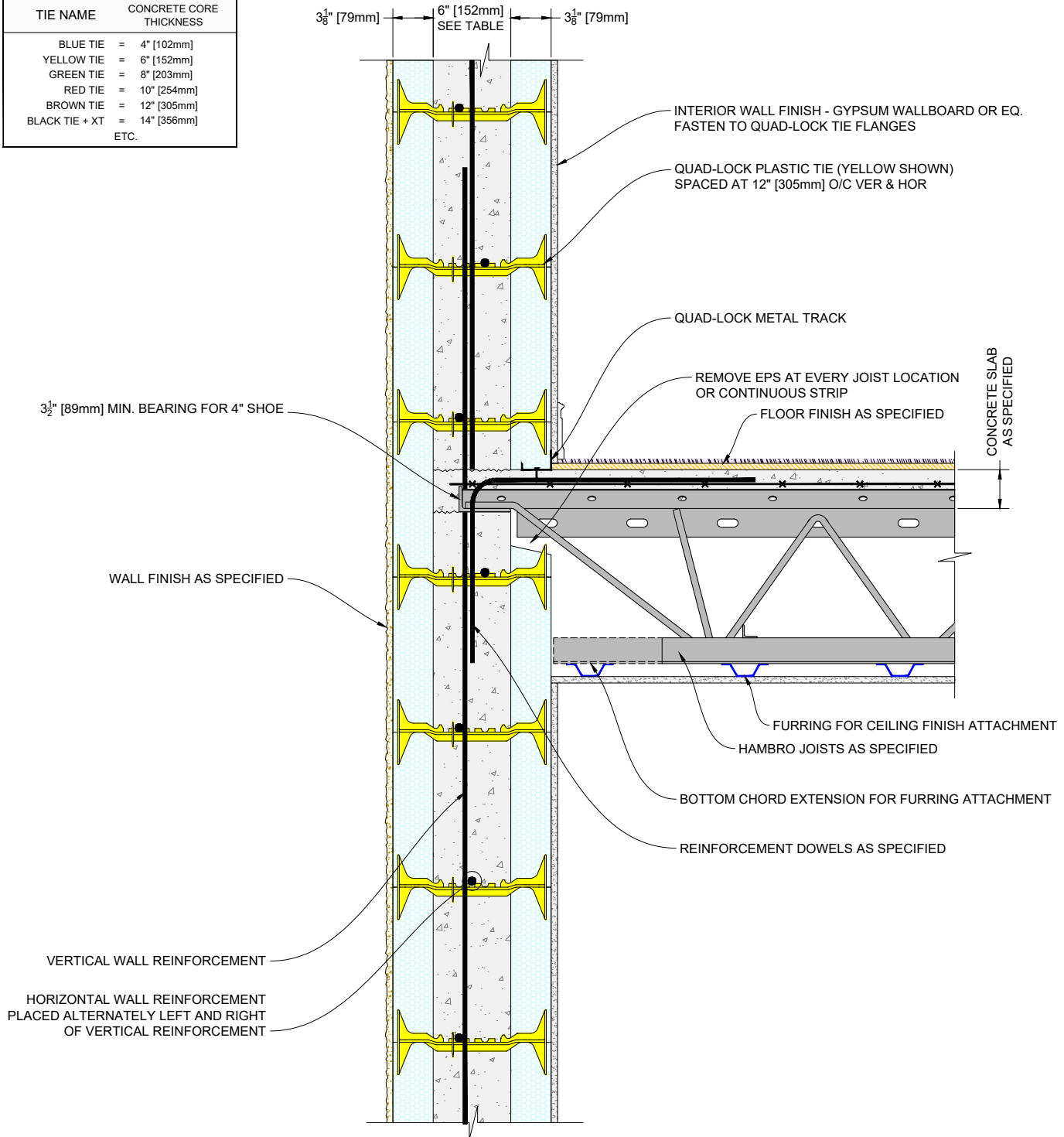
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HOLLOW CORE PRECAST PANELS PARALLEL TO QUAD-LOCK

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMANN
			DRAWING NO: QLU-316

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

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



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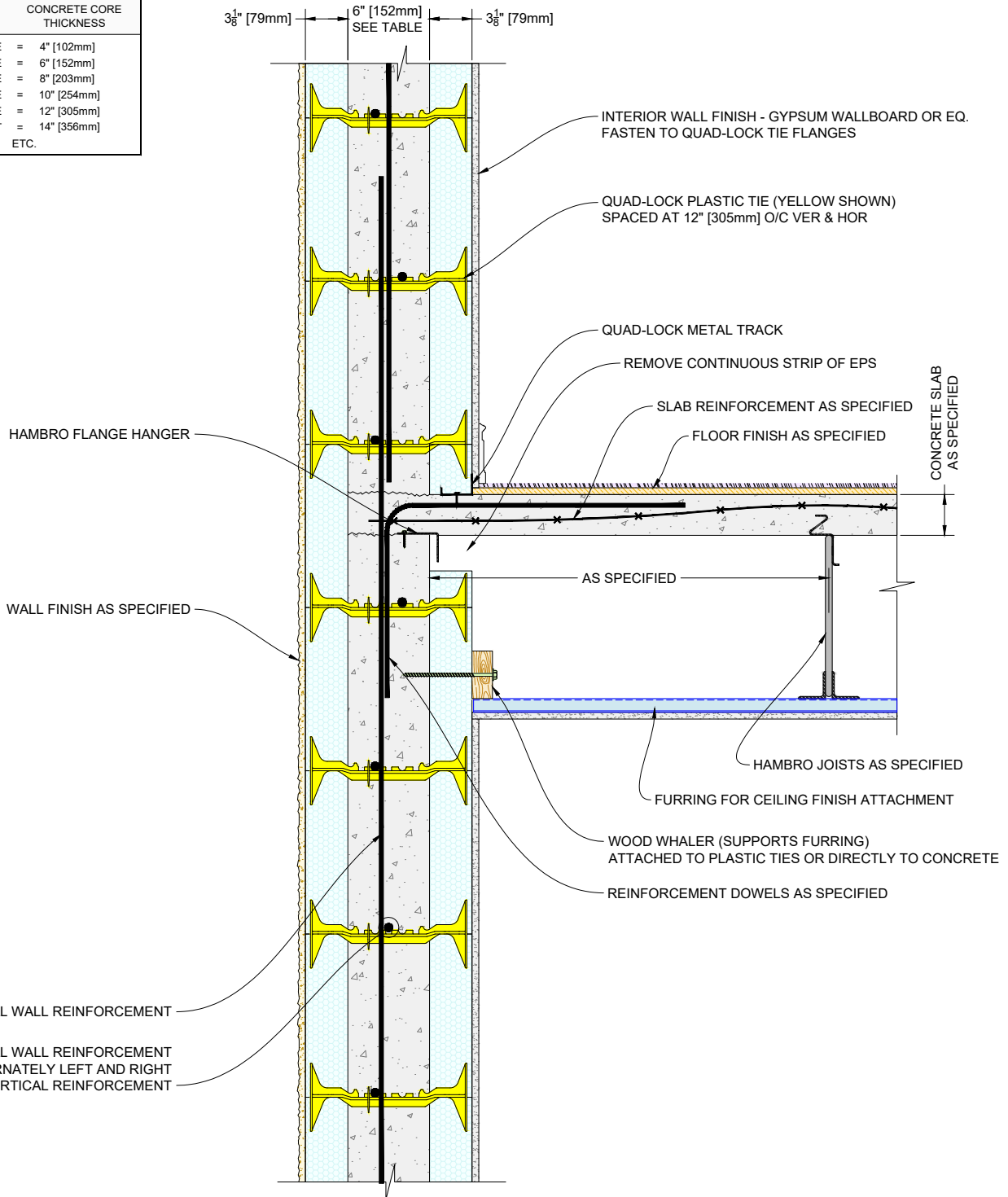
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HAMBRO JOISTS PERPENDICULAR TO QUAD-LOCK

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMANN
			DRAWING NO: QLU-317

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

TIE NAME	CONCRETE CORE THICKNESS
BLUE TIE = 4" [102mm]	
YELLOW TIE = 6" [152mm]	
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BLACK TIE + XT = 14" [356mm]	
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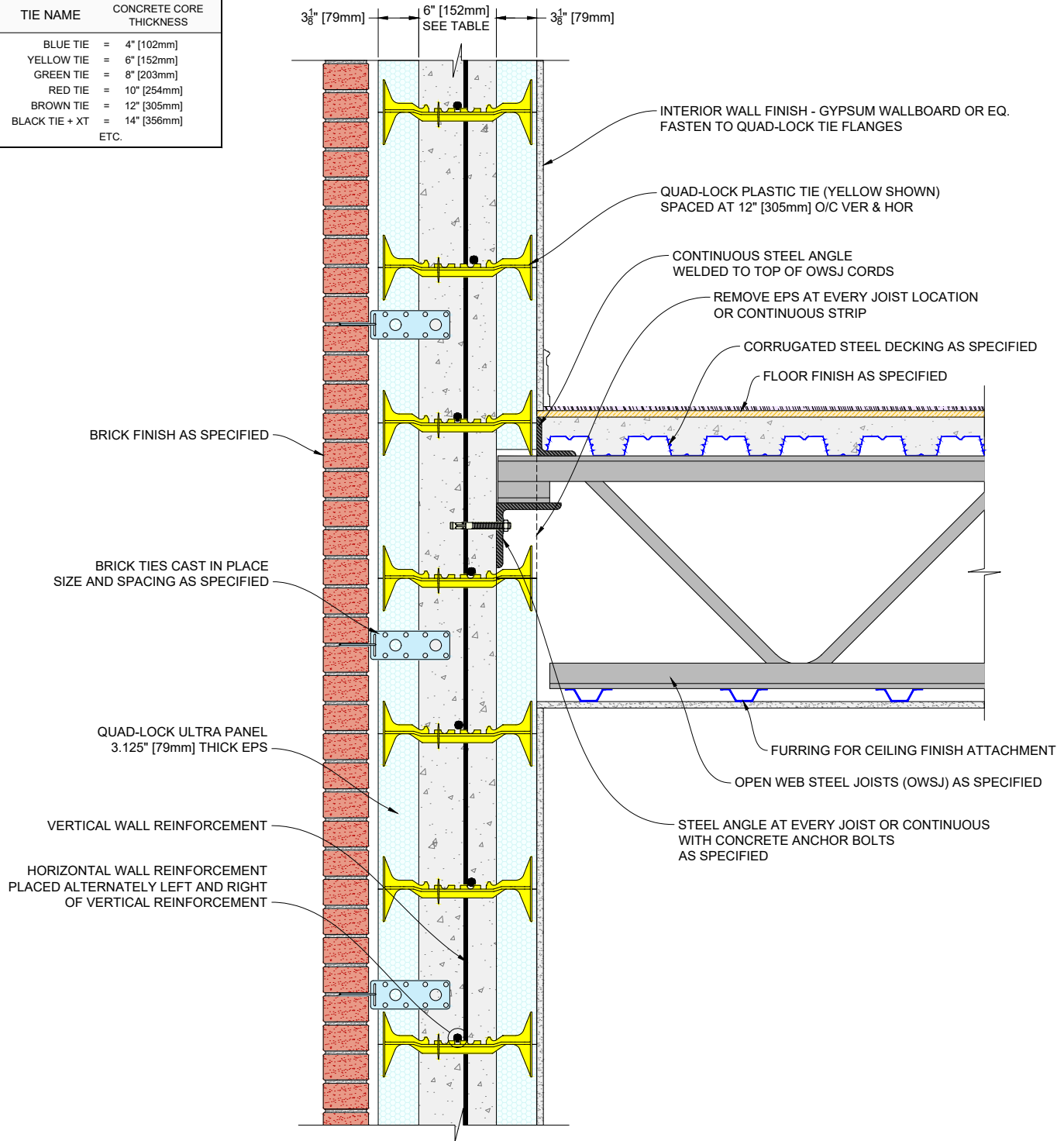
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HAMBRO JOISTS PARALLEL TO QUAD-LOCK

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMANN
			QLU-318

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

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



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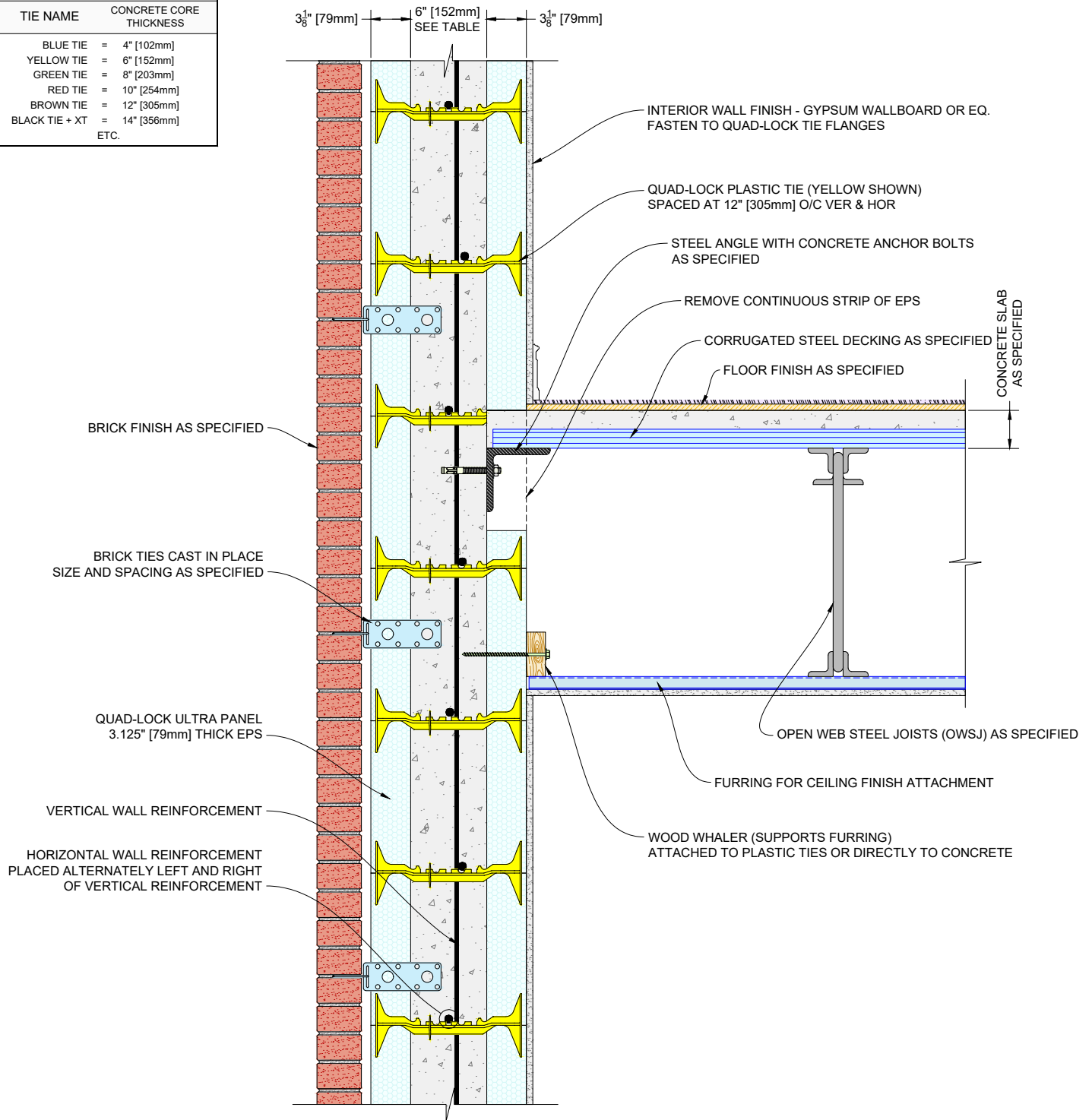
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OPEN WEB STEEL JOISTS (OWSJ) PERPENDICULAR TO QUAD-LOCK

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMANN
			DRAWING NO: QLU-319

QUAD-LOCK R-28 [U-0.21] WALL	
TIE NAME	CONCRETE CORE THICKNESS
BLUE TIE	= 4" [102mm]
YELLOW TIE	= 6" [152mm]
GREEN TIE	= 8" [203mm]
RED TIE	= 10" [254mm]
BROWN TIE	= 12" [305mm]
BLACK TIE + XT	= 14" [356mm]
ETC.	



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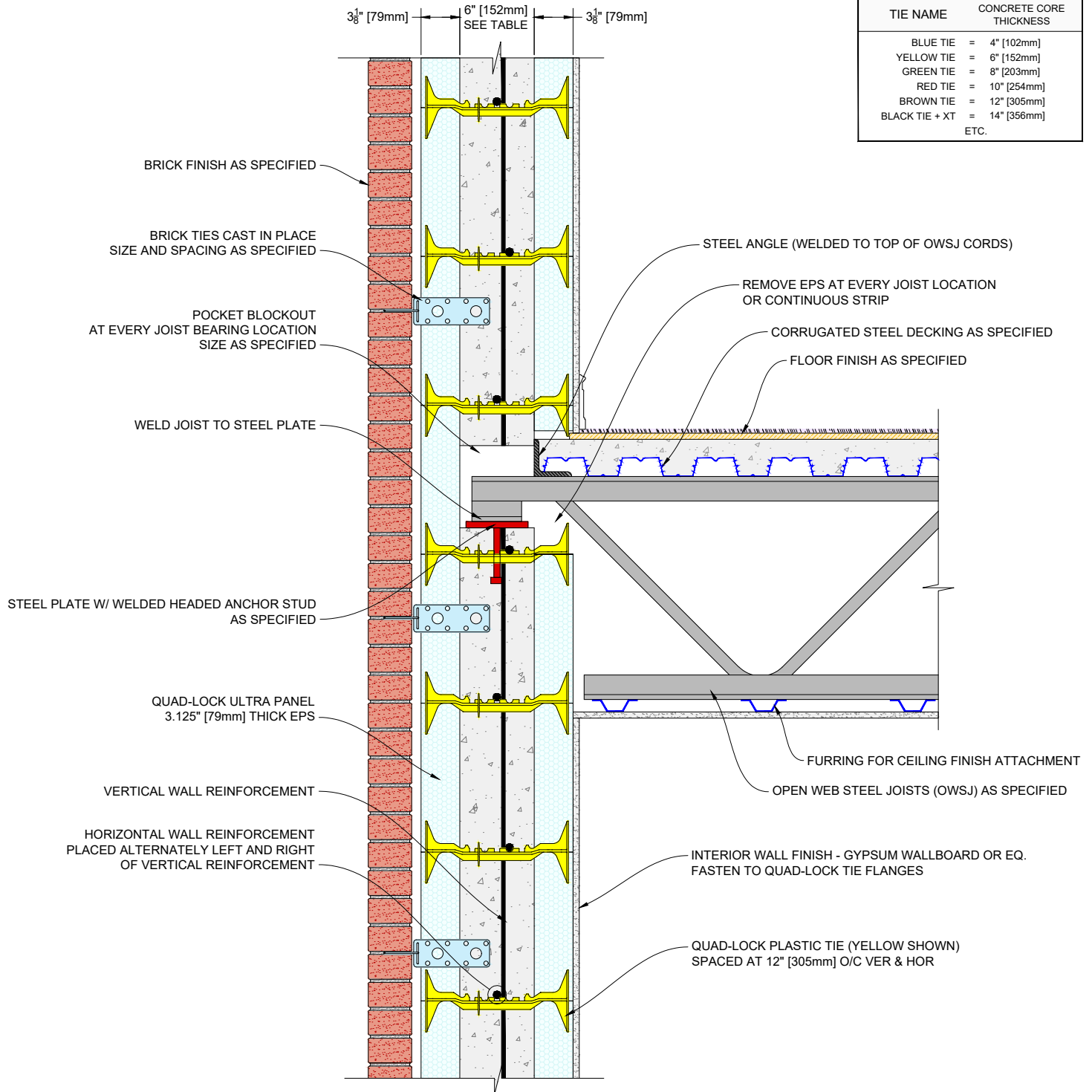
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OPEN WEB STEEL JOISTS (OWSJ) PARALLEL TO QUAD-LOCK WALL

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMAN
			QLU-320

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

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



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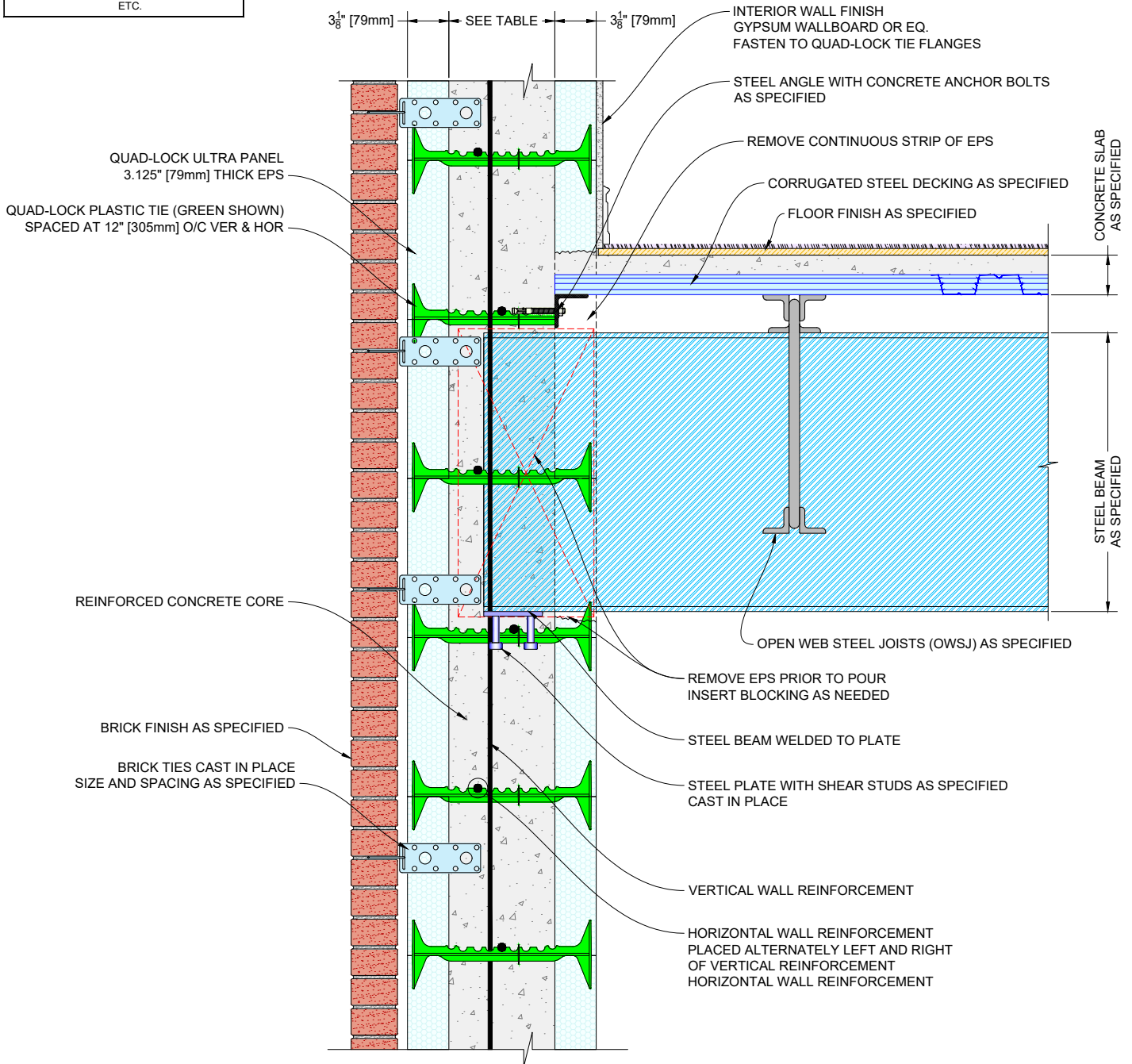
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OPEN WEB STEEL JOISTS (OWSJ)
PERPENDICULAR TO QUAD-LOCK WALL - BEARING IN POCKETS

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMANN
			QLU-321

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

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



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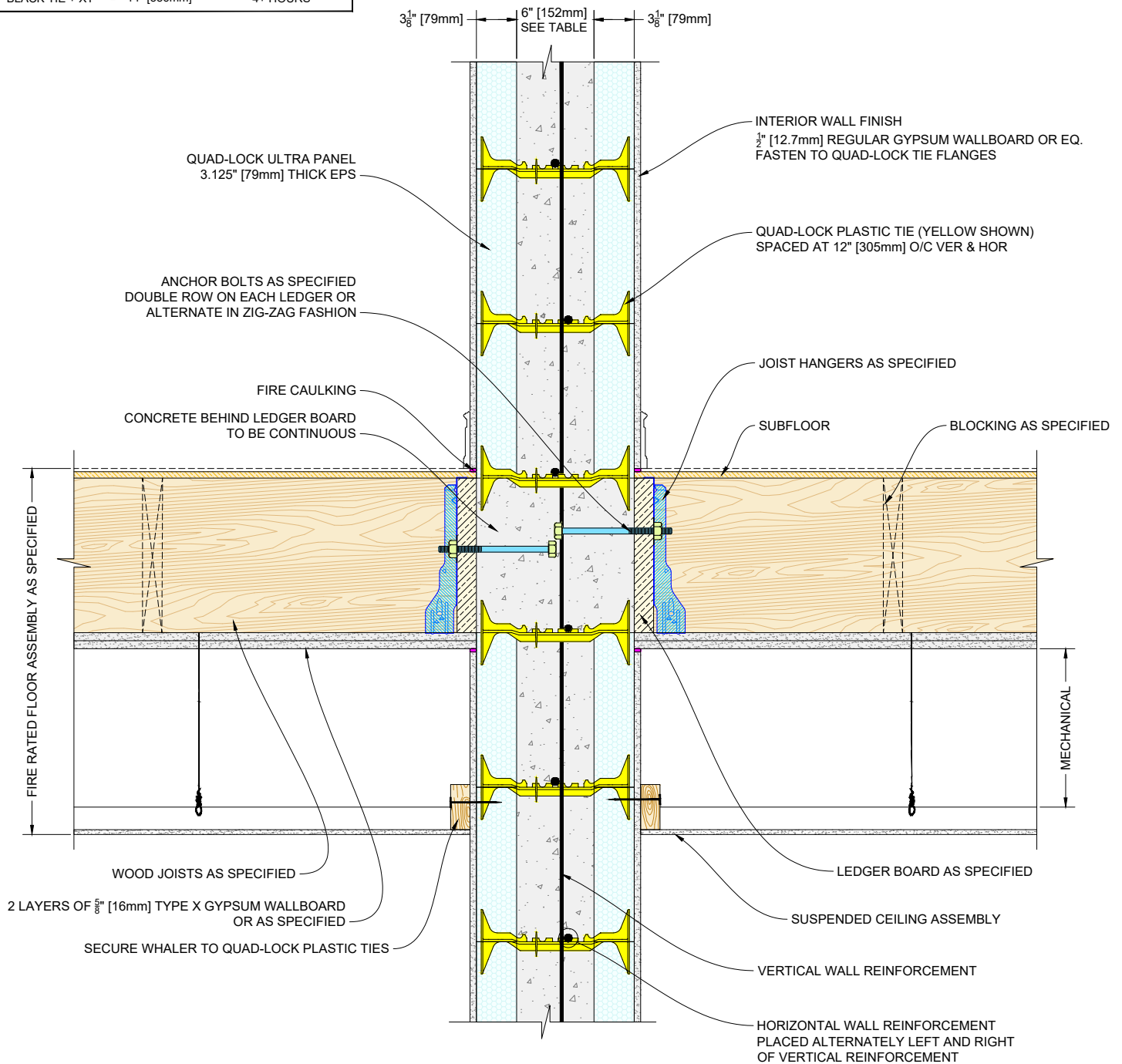
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STEEL BEAM POCKET WITH OPEN WEB STEEL JOISTS (OWSJ)

DATE DRAWN:	2016-11-29	SCALE:	NOT TO SCALE
REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMANN
			QLU-322

QUAD-LOCK R-28 [RSI-4.87] FIRE WALL

TIE NAME	CONCRETE THICKNESS	Intertek Design No. QBS/ICF 240-01
BLUE TIE = 4" [102mm]		2 HOURS
YELLOW TIE = 6" [152mm]		3 HOURS
GREEN TIE = 8" [203mm]		4 HOURS
RED TIE = 10" [254mm]		4+ HOURS
BROWN TIE = 12" [305mm]		4+ HOURS
BLACK TIE + XT = 14" [356mm]		4+ HOURS



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QUAD-LOCK WALL FIRE RATED WOOD FLOOR ON BOTH SIDES

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REVISION NO:	N/A	SHEET SIZE:	8.5" x 11" [216mm x 279mm]
REVISION DATE:	YYYY-MM-DD	APPROVED ON:	2017-02-03
DRAWN BY:	Z. PROSTRAN	APPROVED BY:	G. KUSTERMANN
			DRAWING NO: QLU-323