ESKYDECK

EPS CONCRETE FORMING SYSTEMS

www.eskydeck.com.au

1.5 kPa LIVE LOAD
.5 kPa SUPERIMPOSED DEAD LOAD
SELF WEIGHT OF BEAM AND SLAB INCLUDED

140 PANEL 160 BEAM FORM 100mm SLAB

PINNED BEAM ENDS

25 MPA CONCRETE
1.5 LIVE LOAD FACTOR
1.25 DEAD LOAD FACTOR

NOTE !

-SPAN CHART SHOWS REINFORCEMENT FOR ONE DIRECTION FROM CENTER SPAN
-EACH SIDE OF CENTER IS IDENTICAL
-SPAN LENGTHS ACROSS TOP OF CHART ARE FULL WIDTH BEARING TO BEARING SPANS

CENTER OF SPAN

	.6M	1.2M	1.8M	2.4M	3.0M	3.6M	4.2M	4.8M	5.4M	6.0M	6.6M	7.2M	7.8M	8.4M	9.0M	9.6M	10.2M	
TWO N24																		SHEAR REINFORCEMENT 3.1M EACH END
TWO N24																		SHEAR REINFORCEMENT 2.9M EACH END
TWO N24																		SHEAR REINFORCEMENT 2.7M EACH END
TWO N20																		SHEAR REINFORCEMENT 2.5M EACH END
TWO N16																		SHEAR REINFORCEMENT 2.3M EACH END
TWO N16																		SHEAR REINFORCEMENT 2.0M EACH END
TWO N12																		SHEAR REINFORCEMENT 1.6M EACH END
TWO N12																		SHEAR REINFORCEMENT 1.2M EACH END
TWO N12																		NO SHEAR REINFORCEMENT
TWO N12																		NO SHEAR REINFORCEMENT
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TWO N12																		NO SHEAR REINFORCEMENT
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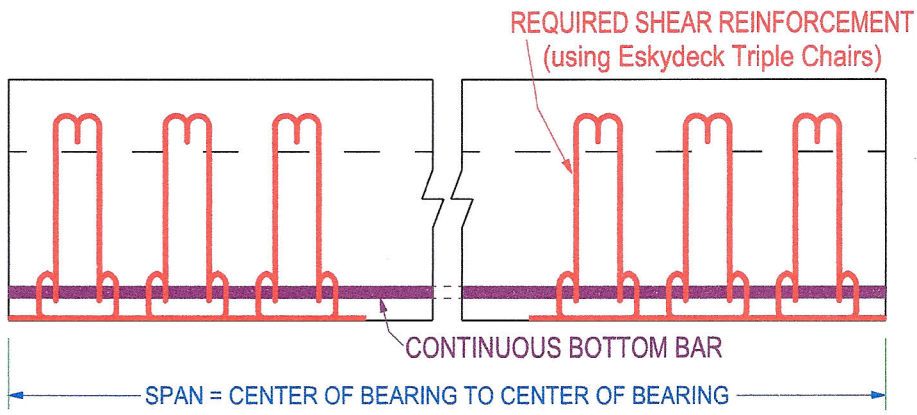
TWO N12																		NO SHEAR REINFORCEMENT

LESS THAN 1/250 DEFLECTION

LESS THAN 1/500 DEFLECTION

NOTICE

Eskydeck installation require a licensed engineer. Span charts are provided to aid designers choosing a panel and beam depth to meet their load requirements. Reinforcement specifications are single span fixed end or pinned end design. Point Loads, cantilever spans, etc. will change the reinforcement requirements. Multi span installation can reduce the reinforcement required. Seismic, Wind, or Snow loads are not included in span charts.
Each chart will show the Live Load, superimposed Dead Load and Concrete Strength & fixed beam end (moment resistance) or pinned beam end (no moment resistance) design. A licensed engineer is required to verify loads and provide detailed design for beam reinforcement, slab reinforcement, and connection details.



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TWO N24	SHEAR REINFORCEMENT 2.6M EACH END
TWO N20	SHEAR REINFORCEMENT 2.4M EACH END
TWO N16	SHEAR REINFORCEMENT 2.2M EACH END
TWO N16	SHEAR REINFORCEMENT 2.0M EACH END
TWO N12	SHEAR REINFORCEMENT 1.9M EACH END
TWO N12	SHEAR REINFORCEMENT 1.5M EACH END
TWO N12	SHEAR REINFORCEMENT .09M EACH END
TWO N12	NO SHEAR REINFORCEMENT
TWO N12	NO SHEAR REINFORCEMENT
TWO N12	NO SHEAR REINFORCEMENT
TWO N12	NO SHEAR REINFORCEMENT
TWO N12	NO SHEAR REINFORCEMENT

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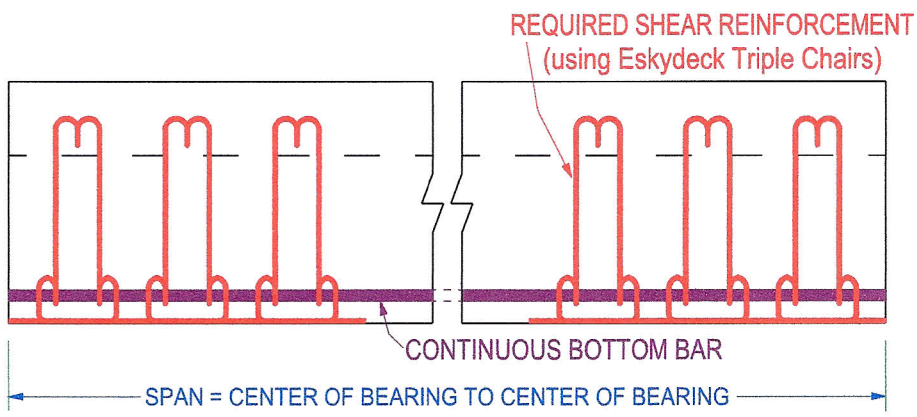

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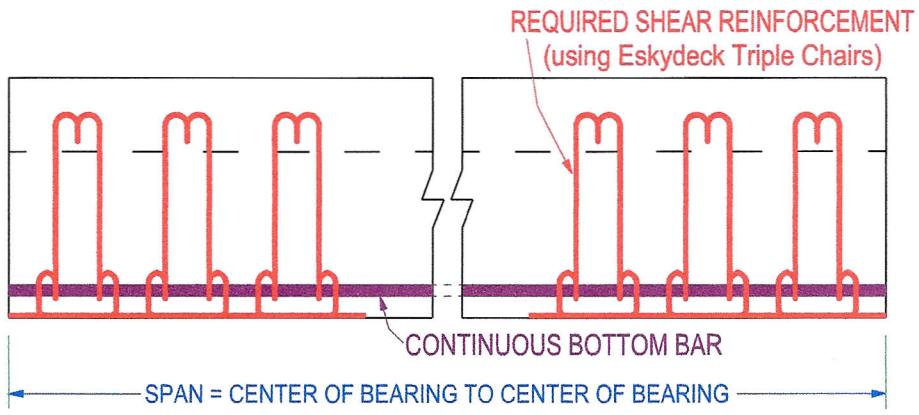

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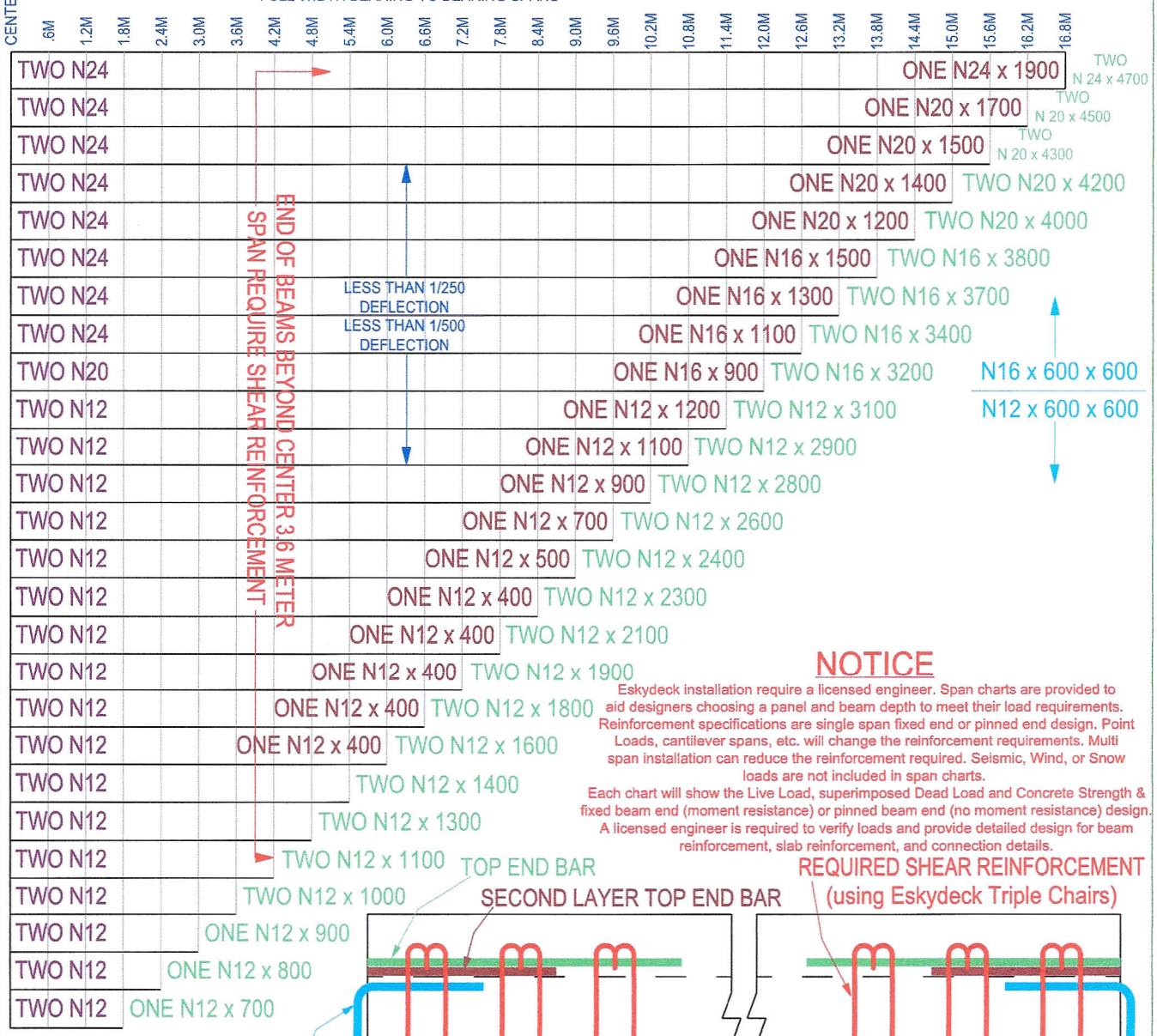

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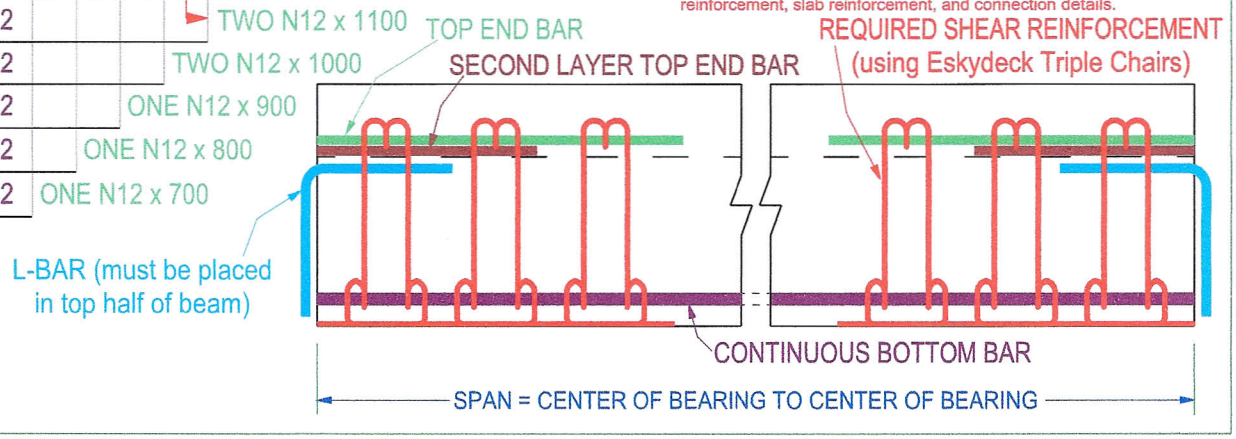

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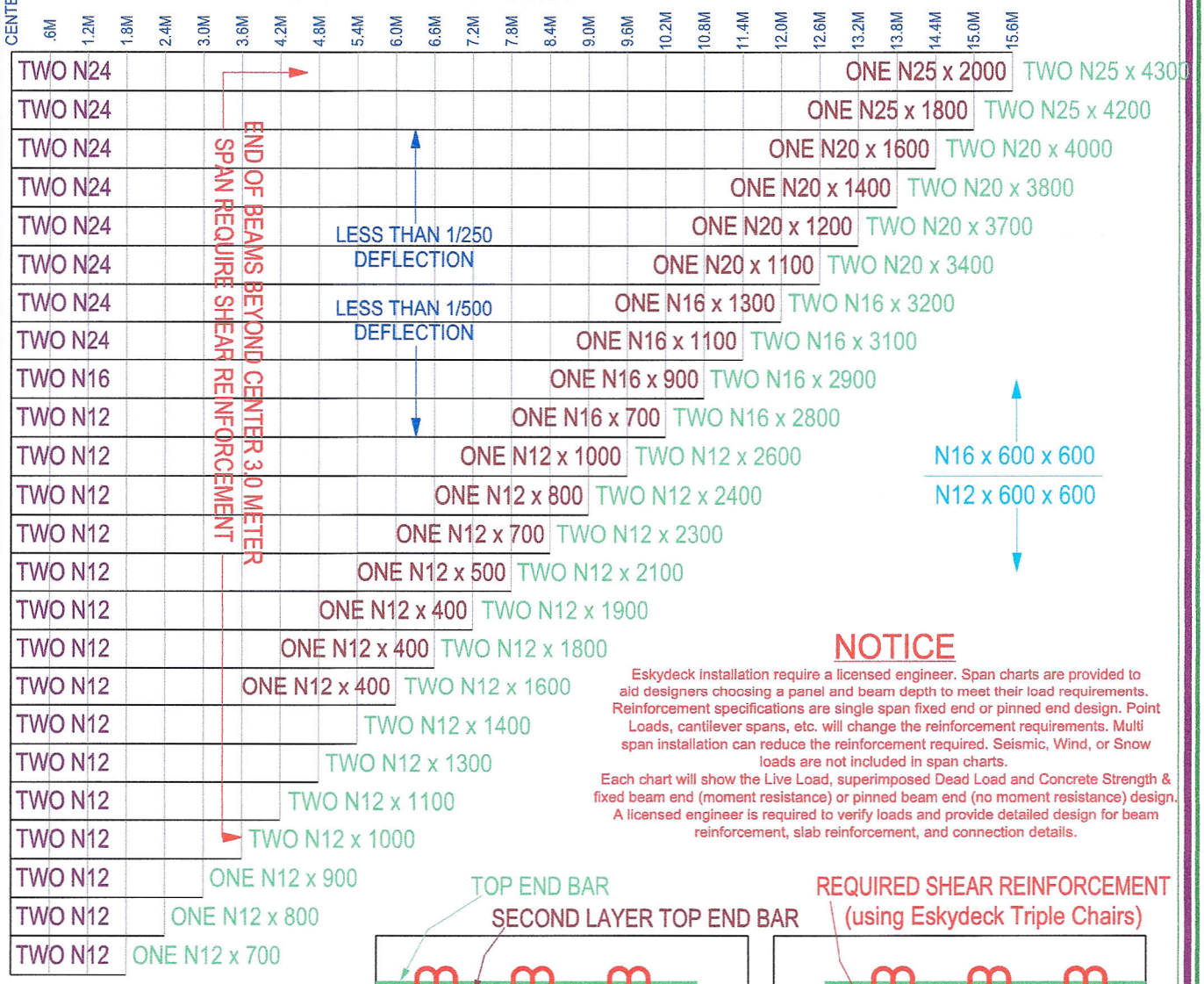

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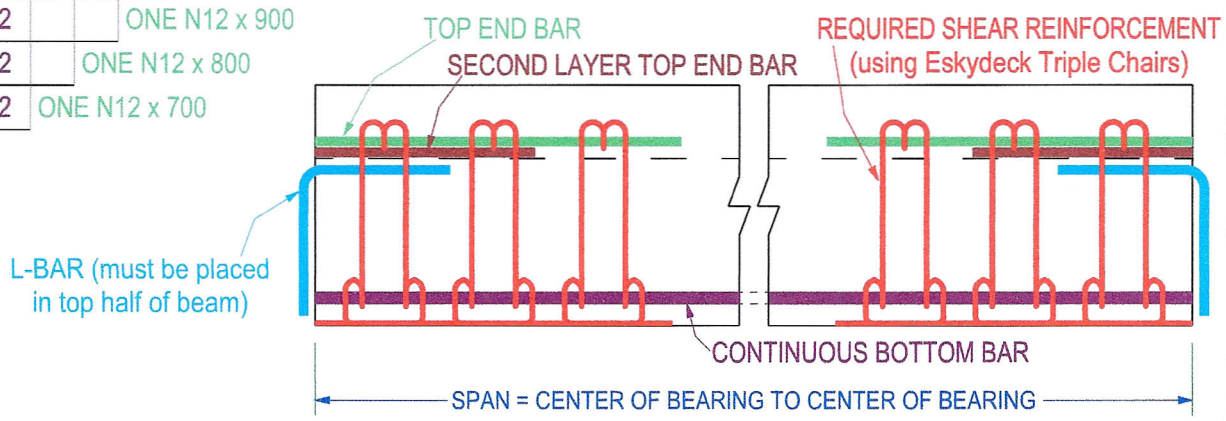

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TWO N24	ONE N25 x 1800	TWO N25 x 3800
TWO N24	ONE N25 x 1600	TWO N25 x 3700
TWO N24	ONE N20 x 1400	TWO N20 x 3400
TWO N24	ONE N20 x 1300	TWO N20 x 3200
TWO N24	ONE N20 x 1100	TWO N20 x 3100
TWO N24	ONE N16 x 1300	TWO N16 x 2900
TWO N20	ONE N16 x 1100	TWO N16 x 2800
TWO N16	ONE N16 x 900	TWO N16 x 2600
TWO N12	ONE N16 x 700	TWO N16 x 2400
TWO N12	ONE N12 x 900	TWO N12 x 2300
TWO N12	ONE N12 x 800	TWO N12 x 2100
TWO N12	ONE N12 x 600	TWO N12 x 1900
TWO N12	ONE N12 x 500	TWO N12 x 1800
TWO N12	ONE N12 x 400	TWO N12 x 1600
TWO N12		TWO N12 x 1400
TWO N12		TWO N12 x 1300
TWO N12		TWO N12 x 1100
TWO N12		TWO N12 x 1000
TWO N12		ONE N12 x 900
TWO N12		ONE N12 x 800
TWO N12		ONE N12 x 700

END OF BEAMS BEYOND CENTER 2.4 METER SPAN REQUIRE SHEAR REINFORCEMENT

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LESS THAN 1/500 DEFLECTION

N16 x 600 x 600

N12 x 600 x 600

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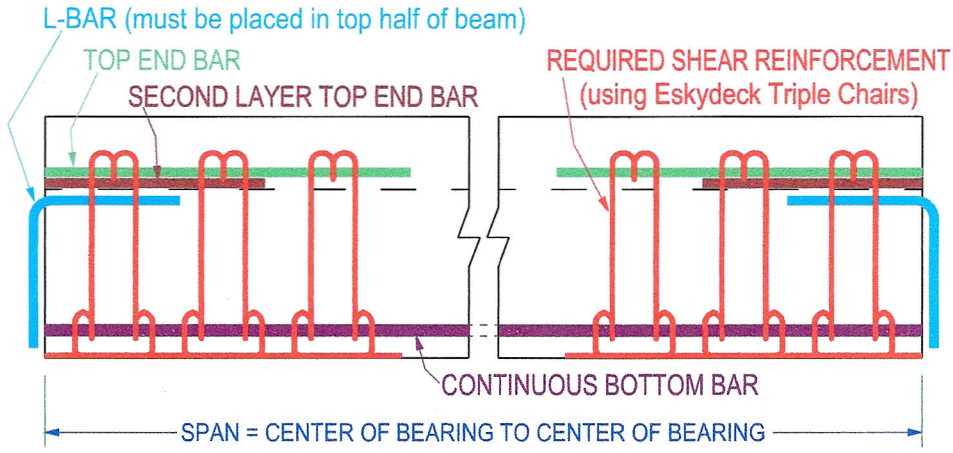
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