



ULTRA-BOND COMPOSITE FLOOR DECK
 MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (P.S.F)
 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) - **IMPERIAL UNITS**

0.0476" Deck
0.394" Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
A	METAL DECK THICK (INCH) (Td)	0.0476	0.0476	0.0476	0.0476	0.0476	0.0476	0.0476	0.0476
B	METAL DECK YIELD STRENGTH (KSI)(Fy)	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
C	METAL DECK EFF. (Ix) (IN ⁴)/FT	5.09	5.09	5.09	5.09	5.09	5.09	5.09	5.09
D	METAL DECK EFF. (Sx) (IN ³)/FT	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
E	METAL DECK (Es)(PSI)	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07
F	# REINFORCING STEEL BAR DIA. (INCH)	0.394	0.394	0.394	0.394	0.394	0.394	0.394	0.394
G	CONCRETE STRENGTH (f'c) (PSI)	4350	4350	4350	4350	4350	4350	4350	4350
H	CONCRETE (Ec) (PSI)	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06
I	A _F (IN ²)/FT	0.865	0.865	0.865	0.865	0.865	0.865	0.865	0.865
J	I _{x(F)} (IN ⁴)/FT	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18
K	ALLOWABLE FORCE (LBS/FT)	659	659	659	659	659	659	659	659
L	FINAL EFF. CROSS SECT. AREA A _{SO} (IN ²)	0.467	0.467	0.467	0.467	0.467	0.467	0.467	0.467
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.333	1.333	1.333	1.333	1.333	1.333	1.333	1.333
N	DEFLECTION CRITERIA *	L/480	L/480	L/480	L/480	L/480	L/480	L/480	L/480

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=58.0KSI

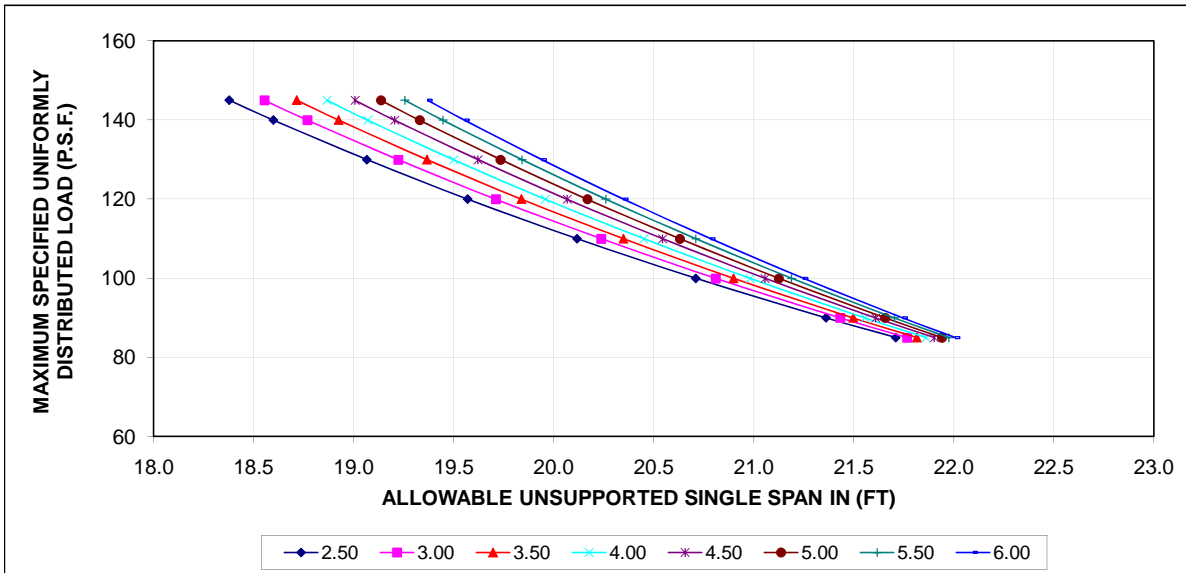
OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
O	MAX. UNSHORED SPAN (C.L.21PSF).FT.	14.18	13.08	12.14	11.32	10.61	9.98	9.43	8.93
P	MAX. UNSHORED SPAN (C.L.42PSF).FT.	10.24	9.78	9.52	9.24	8.76	8.33	7.94	7.58
Q	TOTAL DEAD LOAD (NO CONST.).PSF.	53.37	59.62	65.87	72.11	78.36	84.61	90.86	97.10
R	CONCRETE VOLUME. YD ³ /100FT ²	1.240	1.394	1.549	1.703	1.857	2.011	2.166	2.320

C.L. = CONSTRUCTION LOAD (PSF)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (IN)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (P.S.F)							
			85	90	100	110	120	130	140	145
1	ALLOW. SINGLE UNSUP. SPAN - FT.	2.50	21.71	21.36	20.71	20.12	19.57	19.07	18.60	18.38
2	ALLOW. SINGLE UNSUP. SPAN - FT.	3.00	21.76	21.43	20.81	20.24	19.71	19.22	18.77	18.55
3	ALLOW. SINGLE UNSUP. SPAN - FT.	3.50	21.81	21.50	20.90	20.35	19.84	19.37	18.93	18.72
4	ALLOW. SINGLE UNSUP. SPAN - FT.	4.00	21.86	21.55	20.98	20.45	19.96	19.50	19.07	18.87
5	ALLOW. SINGLE UNSUP. SPAN - FT.	4.50	21.90	21.61	21.06	20.54	20.07	19.62	19.20	19.01
6	ALLOW. SINGLE UNSUP. SPAN - FT.	5.00	21.94	21.66	21.12	20.63	20.17	19.73	19.33	19.14
7	ALLOW. SINGLE UNSUP. SPAN - FT.	5.50	21.97	21.70	21.19	20.71	20.26	19.84	19.45	19.26
8	ALLOW. SINGLE UNSUP. SPAN - FT.	6.00	22.01	21.74	21.25	20.78	20.35	19.94	19.55	19.37





ULTRA-BOND COMPOSITE FLOOR DECK
 MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (P.S.F)
 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) - IMPERIAL UNITS

0.0476" Deck
0.591" Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
A	METAL DECK THICK (INCH) (Td)	0.0476	0.0476	0.0476	0.0476	0.0476	0.0476	0.0476	0.0476
B	METAL DECK YIELD STRENGTH (KSI)(Fy)	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
C	METAL DECK EFF. (Ix) (IN ⁴)/FT	5.09	5.09	5.09	5.09	5.09	5.09	5.09	5.09
D	METAL DECK EFF. (Sx) (IN ³)/FT	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
E	METAL DECK (Es)(PSI)	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07
F	# REINFORCING STEEL BAR DIA. (INCH)	0.591	0.591	0.591	0.591	0.591	0.591	0.591	0.591
G	CONCRETE STRENGTH (f'c) (PSI)	4350	4350	4350	4350	4350	4350	4350	4350
H	CONCRETE (Ec) (PSI)	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06
I	A _F (IN ²)/FT	0.865	0.865	0.865	0.865	0.865	0.865	0.865	0.865
J	I _{x(F)} (IN ⁴)/FT	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18
K	ALLOWABLE FORCE (LBS/FT)	659	659	659	659	659	659	659	659
L	FINAL EFF. CROSS SECT. AREA A _{SO} (IN ²)	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.333	1.333	1.333	1.333	1.333	1.333	1.333	1.333
N	DEFLECTION CRITERIA *	L/480	L/480	L/480	L/480	L/480	L/480	L/480	L/480

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=58.0KSI

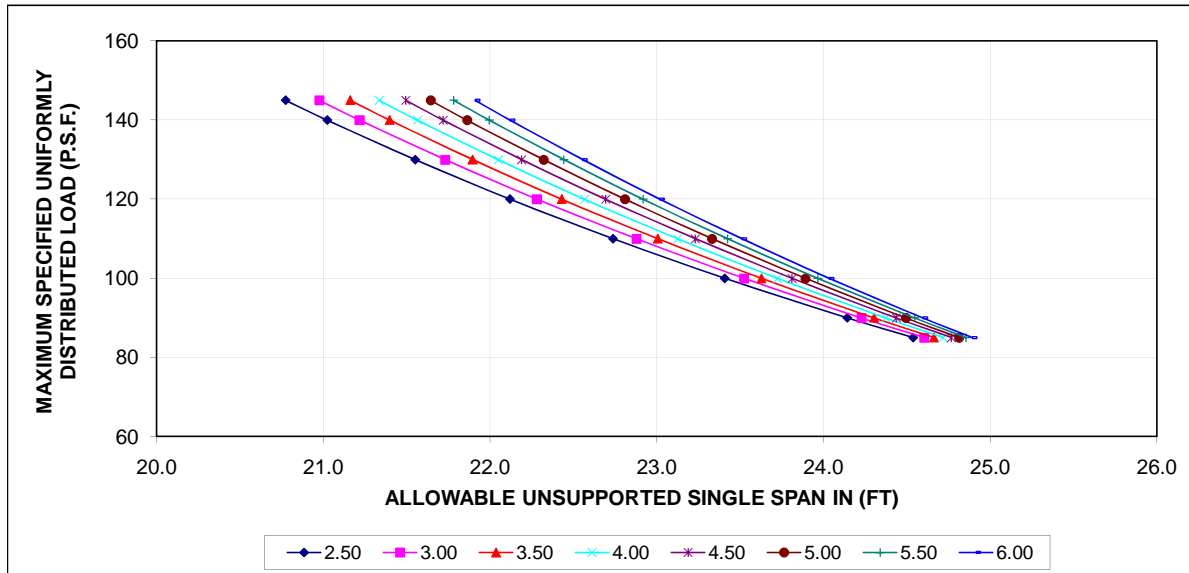
OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
O	MAX. UNSHORED SPAN (C.L.21PSF).FT.	14.16	13.06	12.12	11.31	10.60	9.97	9.42	8.92
P	MAX. UNSHORED SPAN (C.L.42PSF).FT.	10.25	9.77	9.53	9.23	8.75	8.32	7.93	7.57
Q	TOTAL DEAD LOAD (NO CONST.).PSF.	53.47	59.72	65.97	72.21	78.46	84.71	90.96	97.20
R	CONCRETE VOLUME. YD ³ /100FT ²	1.236	1.390	1.545	1.699	1.853	2.007	2.162	2.316

C.L. = CONSTRUCTION LOAD (PSF)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (IN)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (P.S.F)							
			85	90	100	110	120	130	140	145
1	ALLOW. SINGLE UNSUP. SPAN - FT.	2.50	24.54	24.14	23.41	22.74	22.12	21.55	21.02	20.77
2	ALLOW. SINGLE UNSUP. SPAN - FT.	3.00	24.60	24.23	23.52	22.88	22.28	21.73	21.22	20.98
3	ALLOW. SINGLE UNSUP. SPAN - FT.	3.50	24.66	24.30	23.63	23.01	22.43	21.90	21.40	21.16
4	ALLOW. SINGLE UNSUP. SPAN - FT.	4.00	24.72	24.37	23.72	23.12	22.57	22.05	21.56	21.33
5	ALLOW. SINGLE UNSUP. SPAN - FT.	4.50	24.77	24.44	23.81	23.23	22.69	22.19	21.72	21.49
6	ALLOW. SINGLE UNSUP. SPAN - FT.	5.00	24.81	24.49	23.89	23.33	22.81	22.32	21.86	21.64
7	ALLOW. SINGLE UNSUP. SPAN - FT.	5.50	24.85	24.55	23.97	23.42	22.92	22.44	22.00	21.78
8	ALLOW. SINGLE UNSUP. SPAN - FT.	6.00	24.89	24.60	24.03	23.51	23.02	22.56	22.12	21.91





ULTRA-BOND COMPOSITE FLOOR DECK
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 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) - IMPERIAL UNITS

0.0476" Deck
0.787" Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
A	METAL DECK THICK (INCH) (Td)	0.0476	0.0476	0.0476	0.0476	0.0476	0.0476	0.0476	0.0476
B	METAL DECK YIELD STRENGTH (KSI)(Fy)	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
C	METAL DECK EFF. (Ix) (IN ⁴)/FT	5.09	5.09	5.09	5.09	5.09	5.09	5.09	5.09
D	METAL DECK EFF. (Sx) (IN ³)/FT	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
E	METAL DECK (Es)(PSI)	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07
F	# REINFORCING STEEL BAR DIA. (INCH)	0.787	0.787	0.787	0.787	0.787	0.787	0.787	0.787
G	CONCRETE STRENGTH (f'c) (PSI)	4350	4350	4350	4350	4350	4350	4350	4350
H	CONCRETE (Ec) (PSI)	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06
I	A _F (IN ²)/FT	0.865	0.865	0.865	0.865	0.865	0.865	0.865	0.865
J	I _{x(F)} (IN ⁴)/FT	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18
K	ALLOWABLE FORCE (LBS/FT)	659	659	659	659	659	659	659	659
L	FINAL EFF. CROSS SECT. AREA A _{EO} (IN ²)	0.672	0.672	0.672	0.672	0.672	0.672	0.672	0.672
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.333	1.333	1.333	1.333	1.333	1.333	1.333	1.333
N	DEFLECTION CRITERIA *	L/480	L/480	L/480	L/480	L/480	L/480	L/480	L/480

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=58.0KSI

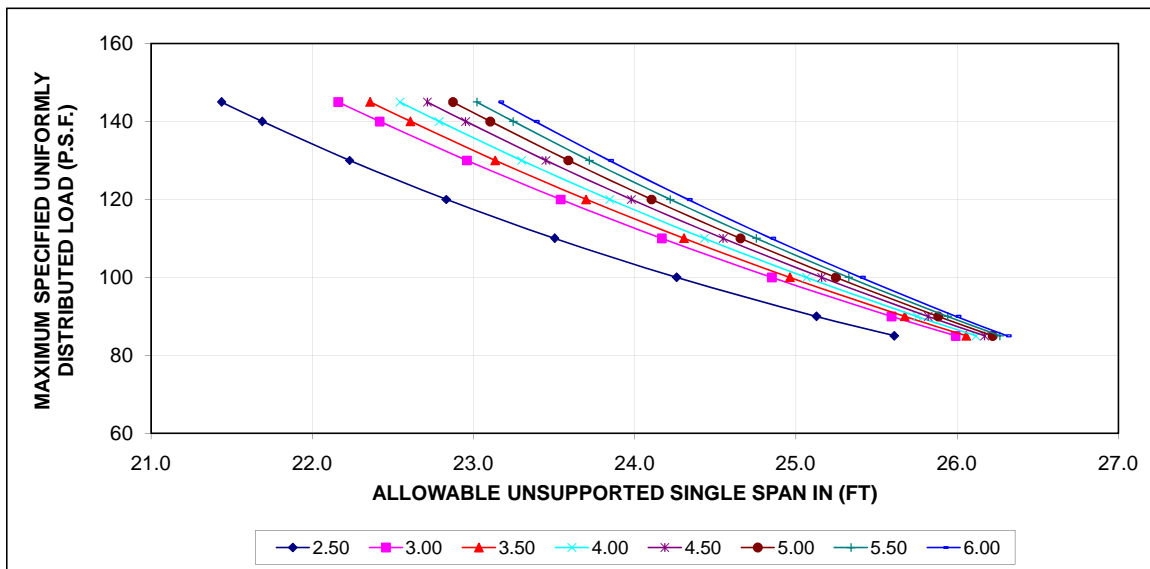
OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
O	MAX. UNSHORED SPAN (C.L.21PSF).FT.	14.13	13.04	12.10	11.29	10.59	9.96	9.41	8.91
P	MAX. UNSHORED SPAN (C.L.42PSF).FT.	10.27	9.75	9.55	9.22	8.74	8.31	7.92	7.57
Q	TOTAL DEAD LOAD (NO CONST.).PSF.	53.61	59.86	66.11	72.35	78.60	84.85	91.10	97.34
R	CONCRETE VOLUME. YD ³ /100FT ²	1.231	1.385	1.539	1.693	1.848	2.002	2.156	2.310

C.L. = CONSTRUCTION LOAD (PSF)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (IN)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (P.S.F)							
			85	90	100	110	120	130	140	145
1	ALLOW. SINGLE UNSUP. SPAN - FT.	2.50	25.61	25.13	24.26	23.50	22.83	22.23	21.69	21.44
2	ALLOW. SINGLE UNSUP. SPAN - FT.	3.00	25.99	25.59	24.85	24.17	23.54	22.96	22.42	22.16
3	ALLOW. SINGLE UNSUP. SPAN - FT.	3.50	26.06	25.68	24.96	24.31	23.70	23.13	22.61	22.36
4	ALLOW. SINGLE UNSUP. SPAN - FT.	4.00	26.11	25.75	25.07	24.43	23.84	23.30	22.79	22.54
5	ALLOW. SINGLE UNSUP. SPAN - FT.	4.50	26.17	25.82	25.16	24.55	23.98	23.45	22.95	22.71
6	ALLOW. SINGLE UNSUP. SPAN - FT.	5.00	26.22	25.88	25.25	24.66	24.10	23.59	23.10	22.87
7	ALLOW. SINGLE UNSUP. SPAN - FT.	5.50	26.26	25.94	25.33	24.75	24.22	23.72	23.25	23.02
8	ALLOW. SINGLE UNSUP. SPAN - FT.	6.00	26.31	25.99	25.40	24.85	24.33	23.84	23.38	23.16





ULTRA-BOND COMPOSITE FLOOR DECK
 MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (P.S.F)
 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) - **IMPERIAL UNITS**

0.0476" Deck
0.984" Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
A	METAL DECK THICK (INCH) (Td)	0.0476	0.0476	0.0476	0.0476	0.0476	0.0476	0.0476	0.0476
B	METAL DECK YIELD STRENGTH (KSI)(Fy)	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
C	METAL DECK EFF. (Ix) (IN ⁴)/FT	5.09	5.09	5.09	5.09	5.09	5.09	5.09	5.09
D	METAL DECK EFF. (Sx) (IN ³)/FT	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
E	METAL DECK (Es)(PSI)	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07
F	# REINFORCING STEEL BAR DIA. (INCH)	0.984	0.984	0.984	0.984	0.984	0.984	0.984	0.984
G	CONCRETE STRENGTH (f'c) (PSI)	4350	4350	4350	4350	4350	4350	4350	4350
H	CONCRETE (Ec) (PSI)	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06
I	A _F (IN ²)/FT	0.865	0.865	0.865	0.865	0.865	0.865	0.865	0.865
J	I _{x(F)} (IN ⁴)/FT	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18
K	ALLOWABLE FORCE (LBS/FT)	659	659	659	659	659	659	659	659
L	FINAL EFF. CROSS SECT. AREA A _{SO} (IN ²)	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.333	1.333	1.333	1.333	1.333	1.333	1.333	1.333
N	DEFLECTION CRITERIA *	L/480	L/480	L/480	L/480	L/480	L/480	L/480	L/480

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=58.0KSI

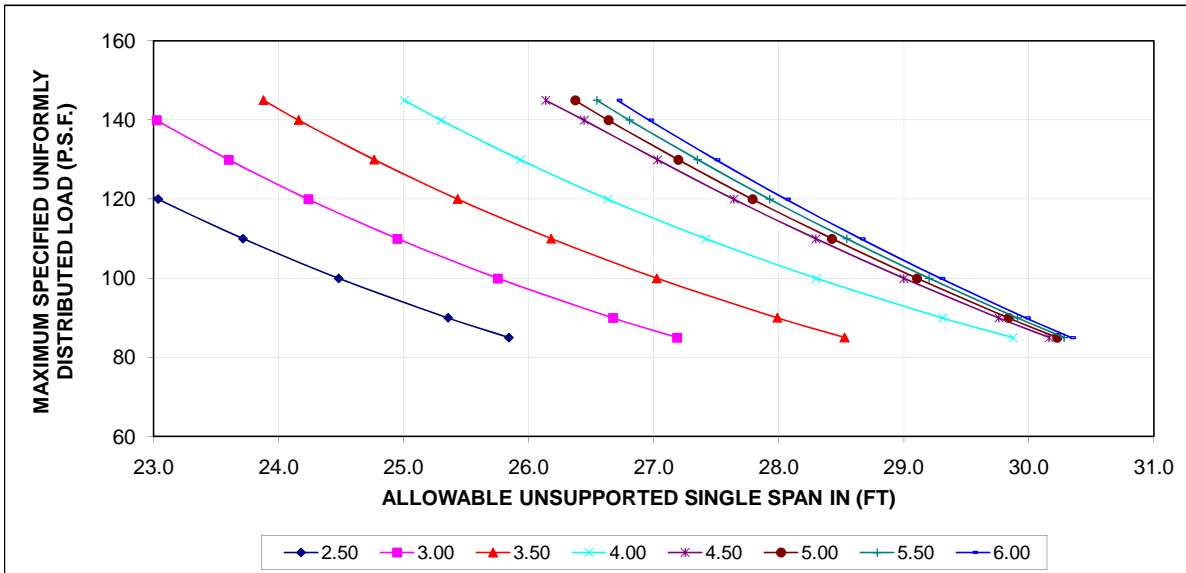
OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
O	MAX. UNSHORED SPAN (C.L.21PSF).FT.	14.10	13.01	12.08	11.27	10.57	9.94	9.39	8.90
P	MAX. UNSHORED SPAN (C.L.42PSF).FT.	10.29	9.74	9.58	9.21	8.73	8.30	7.91	7.56
Q	TOTAL DEAD LOAD (NO CONST.)PSF.	53.79	60.04	66.29	72.54	78.78	85.03	91.28	97.53
R	CONCRETE VOLUME. YD ³ /100FT ²	1.224	1.378	1.532	1.686	1.841	1.995	2.149	2.303

C.L. = CONSTRUCTION LOAD (PSF)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (IN)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (P.S.F)							
			85	90	100	110	120	130	140	145
1	ALLOW. SINGLE UNSUP. SPAN - FT.	2.50	25.84	25.35	24.48	23.71	23.04	22.43	21.88	21.63
2	ALLOW. SINGLE UNSUP. SPAN - FT.	3.00	27.18	26.67	25.75	24.95	24.24	23.60	23.02	22.76
3	ALLOW. SINGLE UNSUP. SPAN - FT.	3.50	28.53	27.99	27.02	26.18	25.43	24.76	24.16	23.88
4	ALLOW. SINGLE UNSUP. SPAN - FT.	4.00	29.87	29.31	28.30	27.41	26.63	25.93	25.30	25.00
5	ALLOW. SINGLE UNSUP. SPAN - FT.	4.50	30.16	29.76	29.00	28.29	27.64	27.03	26.44	26.13
6	ALLOW. SINGLE UNSUP. SPAN - FT.	5.00	30.22	29.84	29.10	28.42	27.79	27.19	26.64	26.37
7	ALLOW. SINGLE UNSUP. SPAN - FT.	5.50	30.28	29.91	29.20	28.54	27.93	27.35	26.80	26.54
8	ALLOW. SINGLE UNSUP. SPAN - FT.	6.00	30.34	29.98	29.29	28.65	28.05	27.49	26.96	26.71





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 MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (P.S.F)
 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) - IMPERIAL UNITS

0.0476" Deck
1.181" Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
A	METAL DECK THICK (INCH) (Td)	0.0476	0.0476	0.0476	0.0476	0.0476	0.0476	0.0476	0.0476
B	METAL DECK YIELD STRENGTH (KSI)(Fy)	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
C	METAL DECK EFF. (Ix) (IN ⁴)/FT	5.09	5.09	5.09	5.09	5.09	5.09	5.09	5.09
D	METAL DECK EFF. (Sx) (IN ³)/FT	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
E	METAL DECK (Es)(PSI)	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07
F	# REINFORCING STEEL BAR DIA. (INCH)	1.181	1.181	1.181	1.181	1.181	1.181	1.181	1.181
G	CONCRETE STRENGTH (f'c) (PSI)	4350	4350	4350	4350	4350	4350	4350	4350
H	CONCRETE (Ec) (PSI)	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06
I	A _F (IN ²)/FT	0.865	0.865	0.865	0.865	0.865	0.865	0.865	0.865
J	I _{x(F)} (IN ⁴)/FT	7.18	7.18	7.18	7.18	7.18	7.18	7.18	7.18
K	ALLOWABLE FORCE (LBS/FT)	659	659	659	659	659	659	659	659
L	FINAL EFF. CROSS SECT. AREA A _{SO} (IN ²)	1.095	1.095	1.095	1.095	1.095	1.095	1.095	1.095
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.333	1.333	1.333	1.333	1.333	1.333	1.333	1.333
N	DEFLECTION CRITERIA *	L/480	L/480	L/480	L/480	L/480	L/480	L/480	L/480

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=58.0KSI

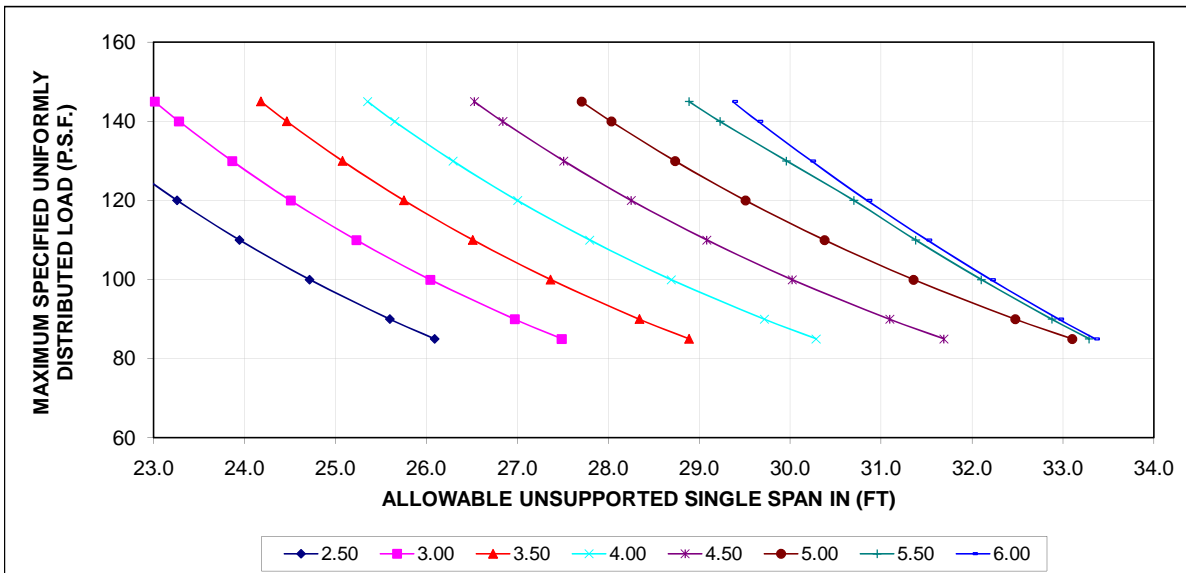
OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
O	MAX. UNSHORED SPAN (C.L.21PSF).FT.	14.06	12.98	12.05	11.25	10.54	9.92	9.37	8.88
P	MAX. UNSHORED SPAN (C.L.42PSF).FT.	10.31	9.72	9.61	9.19	8.71	8.29	7.90	7.55
Q	TOTAL DEAD LOAD (NO CONST.)PSF.	54.01	60.26	66.51	72.76	79.00	85.25	91.50	97.75
R	CONCRETE VOLUME. YD ³ /100FT ²	1.215	1.369	1.524	1.678	1.832	1.986	2.141	2.295

C.L. = CONSTRUCTION LOAD (PSF)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (IN)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (P.S.F)							
			85	90	100	110	120	130	140	145
1	ALLOW. SINGLE UNSUP. SPAN - FT.	2.50	26.09	25.60	24.72	23.94	23.26	22.65	22.10	21.84
2	ALLOW. SINGLE UNSUP. SPAN - FT.	3.00	27.49	26.97	26.04	25.23	24.51	23.86	23.28	23.01
3	ALLOW. SINGLE UNSUP. SPAN - FT.	3.50	28.89	28.34	27.36	26.51	25.75	25.08	24.46	24.18
4	ALLOW. SINGLE UNSUP. SPAN - FT.	4.00	30.29	29.71	28.69	27.79	27.00	26.29	25.65	25.35
5	ALLOW. SINGLE UNSUP. SPAN - FT.	4.50	31.69	31.09	30.02	29.08	28.25	27.51	26.84	26.53
6	ALLOW. SINGLE UNSUP. SPAN - FT.	5.00	33.10	32.47	31.35	30.37	29.51	28.73	28.03	27.71
7	ALLOW. SINGLE UNSUP. SPAN - FT.	5.50	33.29	32.88	32.10	31.38	30.70	29.96	29.23	28.89
8	ALLOW. SINGLE UNSUP. SPAN - FT.	6.00	33.35	32.96	32.20	31.50	30.85	30.23	29.65	29.37





ULTRA-BOND COMPOSITE FLOOR DECK
 MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (P.S.F)
 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) - IMPERIAL UNITS

0.0378" Deck
0.394" Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
A	METAL DECK THICK (INCH) (Td)	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378
B	METAL DECK YIELD STRENGTH (KSI)(Fy)	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
C	METAL DECK EFF. (Ix) (IN ⁴)/FT	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
D	METAL DECK EFF. (Sx) (IN ³)/FT	0.684	0.684	0.684	0.684	0.684	0.684	0.684	0.684
E	METAL DECK (Es)(PSI)	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07
F	# REINFORCING STEEL BAR DIA. (INCH)	0.394	0.394	0.394	0.394	0.394	0.394	0.394	0.394
G	CONCRETE STRENGTH (f'c) (PSI)	4350	4350	4350	4350	4350	4350	4350	4350
H	CONCRETE (Ec) (PSI)	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06
I	A _F (IN ²)/FT	0.687	0.687	0.687	0.687	0.687	0.687	0.687	0.687
J	I _{X(F)} (IN ⁴)/FT	5.70	5.70	5.70	5.70	5.70	5.70	5.70	5.70
K	ALLOWABLE FORCE (LBS/FT)	437	437	437	437	437	437	437	437
L	FINAL EFF. CROSS SECT. AREA A _{SO} (IN ²)	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=58.0KSI

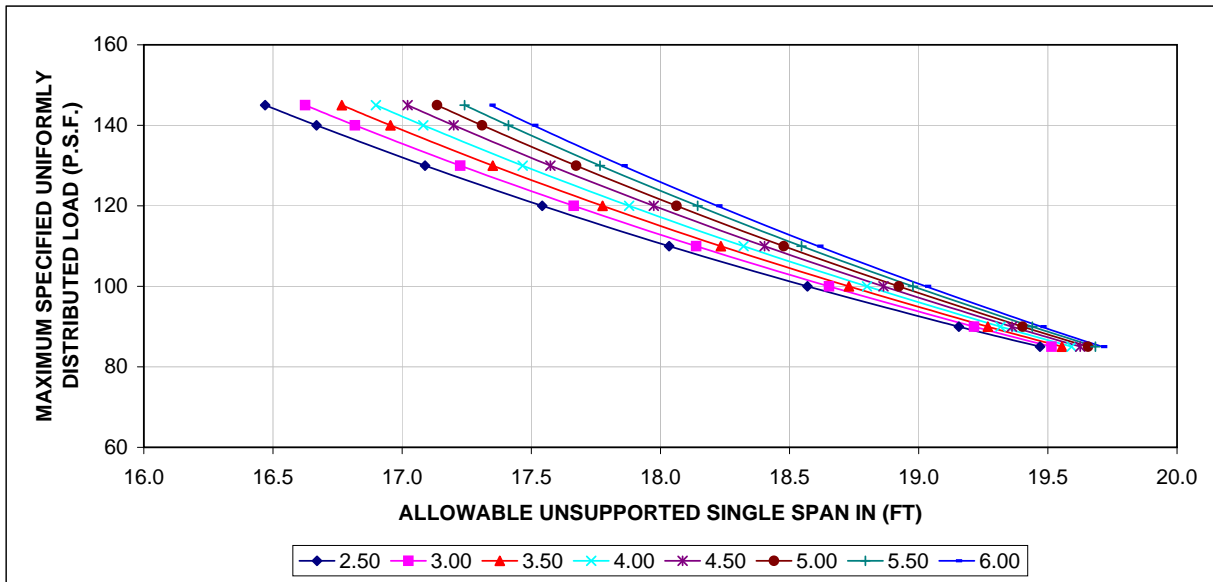
OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
O	MAX. UNSHORED SPAN (C.L.21PSF).FT.	9.48	8.74	8.11	7.56	7.08	6.66	6.28	5.95
P	MAX. UNSHORED SPAN (C.L.42PSF).FT.	7.38	6.92	6.52	6.16	5.84	5.55	5.29	5.05
Q	TOTAL DEAD LOAD (NO CONST.).PSF.	52.77	59.01	65.26	71.51	77.76	84.00	90.25	96.50
R	CONCRETE VOLUME. YD ³ /100FT ²	1.240	1.394	1.549	1.703	1.857	2.011	2.166	2.320

C.L. = CONSTRUCTION LOAD (PSF)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (IN)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (P.S.F)							
			85	90	100	110	120	130	140	145
1	ALLOW. SINGLE UNSUP. SPAN - FT.	2.50	19.47	19.16	18.57	18.03	17.54	17.09	16.67	16.47
2	ALLOW. SINGLE UNSUP. SPAN - FT.	3.00	19.51	19.21	18.65	18.14	17.66	17.23	16.82	16.62
3	ALLOW. SINGLE UNSUP. SPAN - FT.	3.50	19.55	19.27	18.73	18.23	17.78	17.35	16.95	16.77
4	ALLOW. SINGLE UNSUP. SPAN - FT.	4.00	19.59	19.32	18.80	18.32	17.88	17.47	17.08	16.90
5	ALLOW. SINGLE UNSUP. SPAN - FT.	4.50	19.62	19.36	18.86	18.40	17.97	17.57	17.20	17.02
6	ALLOW. SINGLE UNSUP. SPAN - FT.	5.00	19.66	19.40	18.92	18.48	18.06	17.67	17.31	17.14
7	ALLOW. SINGLE UNSUP. SPAN - FT.	5.50	19.68	19.44	18.98	18.55	18.14	17.77	17.41	17.24
8	ALLOW. SINGLE UNSUP. SPAN - FT.	6.00	19.71	19.47	19.03	18.61	18.22	17.85	17.51	17.34





ULTRA-BOND COMPOSITE FLOOR DECK
 MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (P.S.F)
 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) - IMPERIAL UNITS

0.0378" Deck
0.591" Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
A	METAL DECK THICK (INCH) (Td)	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378
B	METAL DECK YIELD STRENGTH (KSI)(Fy)	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
C	METAL DECK EFF. (Ix) (IN ⁴)/FT	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
D	METAL DECK EFF. (Sx) (IN ³)/FT	0.684	0.684	0.684	0.684	0.684	0.684	0.684	0.684
E	METAL DECK (Es)(PSI)	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07
F	# REINFORCING STEEL BAR DIA. (INCH)	0.591	0.591	0.591	0.591	0.591	0.591	0.591	0.591
G	CONCRETE STRENGTH (f'c) (PSI)	4350	4350	4350	4350	4350	4350	4350	4350
H	CONCRETE (Ec) (PSI)	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06
I	A _F (IN ²)/FT	0.687	0.687	0.687	0.687	0.687	0.687	0.687	0.687
J	I _{X(F)} (IN ⁴)/FT	5.70	5.70	5.70	5.70	5.70	5.70	5.70	5.70
K	ALLOWABLE FORCE (LBS/FT)	437	437	437	437	437	437	437	437
L	FINAL EFF. CROSS SECT. AREA A _{SO} (IN ²)	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=58.0KSI

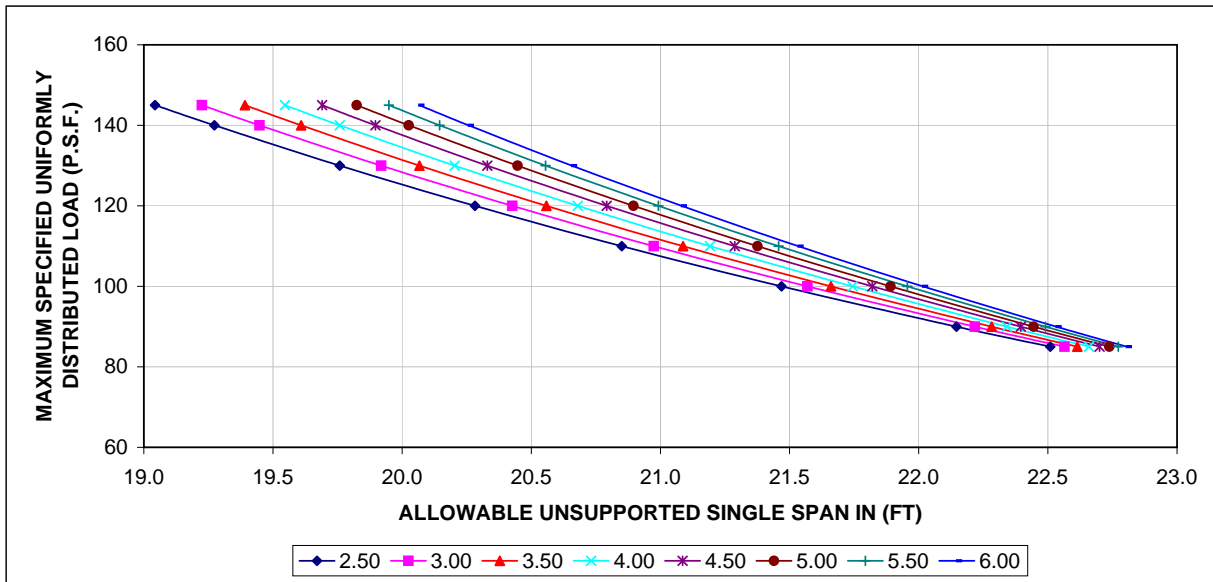
OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
O	MAX. UNSHORED SPAN (C.L.21PSF).FT.	9.47	8.73	8.10	7.55	7.07	6.65	6.28	5.95
P	MAX. UNSHORED SPAN (C.L.42PSF).FT.	7.37	6.92	6.51	6.15	5.83	5.54	5.28	5.04
Q	TOTAL DEAD LOAD (NO CONST.).PSF.	52.87	59.11	65.36	71.61	77.86	84.10	90.35	96.60
R	CONCRETE VOLUME. YD ³ /100FT ²	1.236	1.390	1.545	1.699	1.853	2.007	2.162	2.316

C.L. = CONSTRUCTION LOAD (PSF)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (IN)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (P.S.F)							
			85	90	100	110	120	130	140	145
1	ALLOW. SINGLE UNSUP. SPAN - FT.	2.50	22.51	22.15	21.47	20.85	20.28	19.76	19.27	19.04
2	ALLOW. SINGLE UNSUP. SPAN - FT.	3.00	22.56	22.22	21.57	20.97	20.43	19.92	19.45	19.22
3	ALLOW. SINGLE UNSUP. SPAN - FT.	3.50	22.61	22.28	21.66	21.09	20.56	20.07	19.61	19.39
4	ALLOW. SINGLE UNSUP. SPAN - FT.	4.00	22.66	22.34	21.74	21.19	20.68	20.20	19.76	19.55
5	ALLOW. SINGLE UNSUP. SPAN - FT.	4.50	22.70	22.40	21.82	21.29	20.79	20.33	19.90	19.69
6	ALLOW. SINGLE UNSUP. SPAN - FT.	5.00	22.74	22.44	21.89	21.38	20.90	20.45	20.03	19.82
7	ALLOW. SINGLE UNSUP. SPAN - FT.	5.50	22.77	22.49	21.96	21.46	20.99	20.56	20.15	19.95
8	ALLOW. SINGLE UNSUP. SPAN - FT.	6.00	22.80	22.53	22.02	21.53	21.08	20.66	20.26	20.07





ULTRA-BOND COMPOSITE FLOOR DECK
 MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (P.S.F)
 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) - IMPERIAL UNITS

0.0378" Deck
0.787" Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
A	METAL DECK THICK (INCH) (Td)	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378
B	METAL DECK YIELD STRENGTH (KSI)(Fy)	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
C	METAL DECK EFF. (Ix) (IN ⁴)/FT	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
D	METAL DECK EFF. (Sx) (IN ³)/FT	0.684	0.684	0.684	0.684	0.684	0.684	0.684	0.684
E	METAL DECK (Es)(PSI)	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07
F	# REINFORCING STEEL BAR DIA. (INCH)	0.787	0.787	0.787	0.787	0.787	0.787	0.787	0.787
G	CONCRETE STRENGTH (f'c) (PSI)	4350	4350	4350	4350	4350	4350	4350	4350
H	CONCRETE (Ec) (PSI)	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06
I	A _F (IN ²)/FT	0.687	0.687	0.687	0.687	0.687	0.687	0.687	0.687
J	I _{X(F)} (IN ⁴)/FT	5.70	5.70	5.70	5.70	5.70	5.70	5.70	5.70
K	ALLOWABLE FORCE (LBS/FT)	437	437	437	437	437	437	437	437
L	FINAL EFF. CROSS SECT. AREA A _{SO} (IN ²)	0.560	0.560	0.560	0.560	0.560	0.560	0.560	0.560
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=58.0KSI

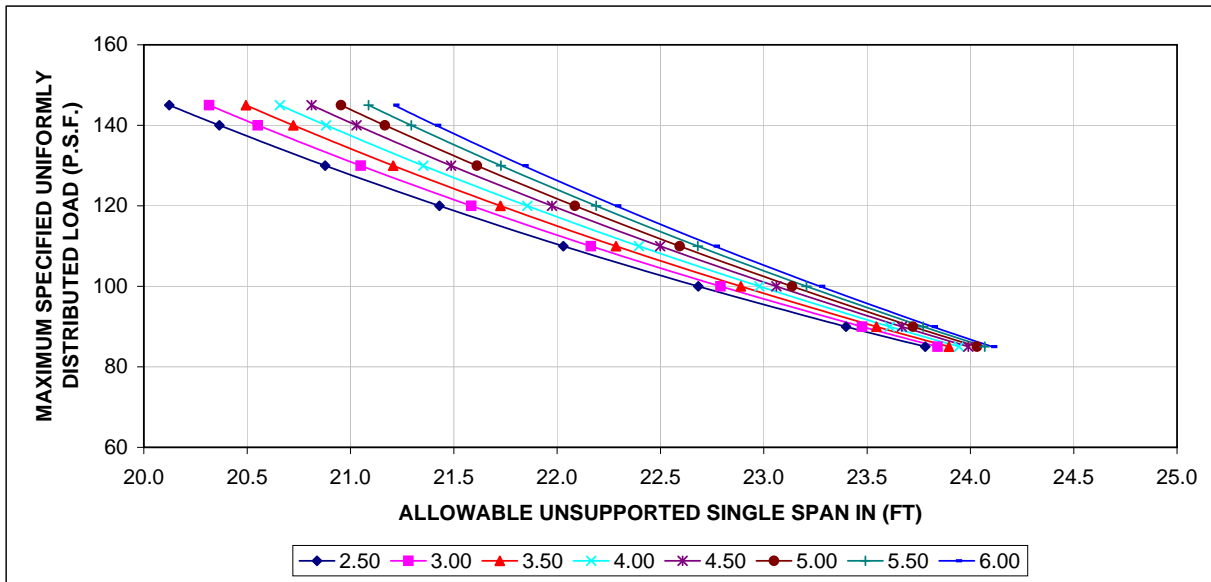
OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
O	MAX. UNSHORED SPAN (C.L.21PSF).FT.	9.45	8.71	8.08	7.54	7.06	6.64	6.27	5.94
P	MAX. UNSHORED SPAN (C.L.42PSF).FT.	7.36	6.91	6.50	6.15	5.83	5.54	5.28	5.04
Q	TOTAL DEAD LOAD (NO CONST.).PSF.	53.01	59.25	65.50	71.75	78.00	84.24	90.49	96.74
R	CONCRETE VOLUME. YD ³ /100FT ²	1.231	1.385	1.539	1.693	1.848	2.002	2.156	2.310

C.L. = CONSTRUCTION LOAD (PSF)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (IN)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (P.S.F)							
			85	90	100	110	120	130	140	145
1	ALLOW. SINGLE UNSUP. SPAN - FT.	2.50	23.78	23.40	22.68	22.03	21.43	20.88	20.37	20.12
2	ALLOW. SINGLE UNSUP. SPAN - FT.	3.00	23.84	23.48	22.79	22.16	21.58	21.05	20.55	20.32
3	ALLOW. SINGLE UNSUP. SPAN - FT.	3.50	23.90	23.55	22.89	22.28	21.73	21.21	20.72	20.49
4	ALLOW. SINGLE UNSUP. SPAN - FT.	4.00	23.95	23.61	22.98	22.40	21.86	21.35	20.88	20.66
5	ALLOW. SINGLE UNSUP. SPAN - FT.	4.50	23.99	23.67	23.06	22.50	21.98	21.49	21.03	20.81
6	ALLOW. SINGLE UNSUP. SPAN - FT.	5.00	24.03	23.72	23.14	22.59	22.09	21.61	21.17	20.95
7	ALLOW. SINGLE UNSUP. SPAN - FT.	5.50	24.07	23.77	23.21	22.68	22.19	21.73	21.29	21.09
8	ALLOW. SINGLE UNSUP. SPAN - FT.	6.00	24.10	23.82	23.27	22.76	22.29	21.84	21.41	21.21





ULTRA-BOND COMPOSITE FLOOR DECK
 MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (P.S.F)
 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) - **IMPERIAL UNITS**

0.0378" Deck
0.984" Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
A	METAL DECK THICK (INCH) (Td)	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378
B	METAL DECK YIELD STRENGTH (KSI)(Fy)	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
C	METAL DECK EFF. (Ix) (IN ⁴)/FT	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
D	METAL DECK EFF. (Sx) (IN ³)/FT	0.684	0.684	0.684	0.684	0.684	0.684	0.684	0.684
E	METAL DECK (Es)(PSI)	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07
F	# REINFORCING STEEL BAR DIA. (INCH)	0.984	0.984	0.984	0.984	0.984	0.984	0.984	0.984
G	CONCRETE STRENGTH (f'c) (PSI)	4350	4350	4350	4350	4350	4350	4350	4350
H	CONCRETE (Ec) (PSI)	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06
I	A _F (IN ²)/FT	0.687	0.687	0.687	0.687	0.687	0.687	0.687	0.687
J	I _{X(F)} (IN ⁴)/FT	5.70	5.70	5.70	5.70	5.70	5.70	5.70	5.70
K	ALLOWABLE FORCE (LBS/FT)	437	437	437	437	437	437	437	437
L	FINAL EFF. CROSS SECT. AREA A _{SO} (IN ²)	0.760	0.760	0.760	0.760	0.760	0.760	0.760	0.760
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=58.0KSI

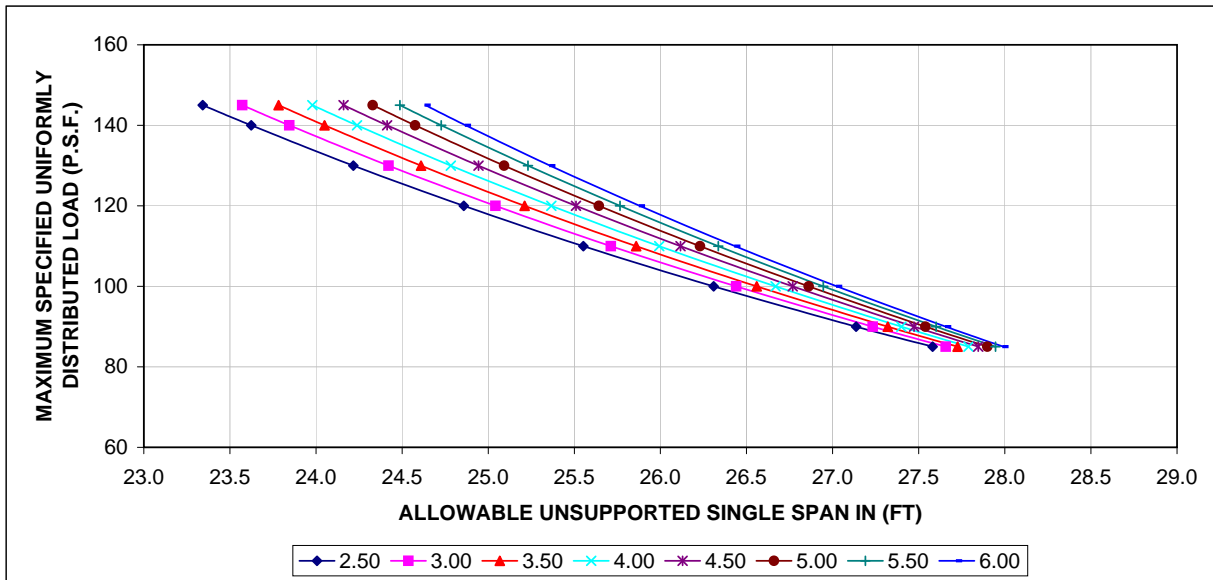
OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
O	MAX. UNSHORED SPAN (C.L.21PSF).FT.	9.42	8.69	8.07	7.52	7.05	6.63	6.26	5.93
P	MAX. UNSHORED SPAN (C.L.42PSF).FT.	7.35	6.89	6.49	6.14	5.82	5.53	5.27	5.03
Q	TOTAL DEAD LOAD (NO CONST.).PSF.	53.19	59.43	65.68	71.93	78.18	84.42	90.67	96.92
R	CONCRETE VOLUME. YD ³ /100FT ²	1.224	1.378	1.532	1.686	1.841	1.995	2.149	2.303

C.L. = CONSTRUCTION LOAD (PSF)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (IN)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (P.S.F)							
			85	90	100	110	120	130	140	145
1	ALLOW. SINGLE UNSUP. SPAN - FT.	2.50	27.58	27.14	26.31	25.55	24.86	24.22	23.62	23.34
2	ALLOW. SINGLE UNSUP. SPAN - FT.	3.00	27.66	27.23	26.44	25.71	25.04	24.42	23.85	23.57
3	ALLOW. SINGLE UNSUP. SPAN - FT.	3.50	27.73	27.32	26.56	25.86	25.21	24.61	24.05	23.78
4	ALLOW. SINGLE UNSUP. SPAN - FT.	4.00	27.79	27.40	26.67	25.99	25.37	24.78	24.24	23.98
5	ALLOW. SINGLE UNSUP. SPAN - FT.	4.50	27.85	27.47	26.77	26.12	25.51	24.94	24.41	24.16
6	ALLOW. SINGLE UNSUP. SPAN - FT.	5.00	27.90	27.54	26.86	26.23	25.64	25.09	24.58	24.33
7	ALLOW. SINGLE UNSUP. SPAN - FT.	5.50	27.95	27.60	26.95	26.34	25.77	25.23	24.73	24.49
8	ALLOW. SINGLE UNSUP. SPAN - FT.	6.00	27.99	27.66	27.02	26.43	25.88	25.36	24.87	24.63





ULTRA-BOND COMPOSITE FLOOR DECK
 MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (P.S.F)
 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) - IMPERIAL UNITS

0.0378" Deck
0.1.181" Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
A	METAL DECK THICK (INCH) (Td)	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378
B	METAL DECK YIELD STRENGTH (KSI)(Fy)	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
C	METAL DECK EFF. (Ix) (IN ⁴)/FT	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
D	METAL DECK EFF. (Sx) (IN ³)/FT	0.684	0.684	0.684	0.684	0.684	0.684	0.684	0.684
E	METAL DECK (Es)(PSI)	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07	2.95E+07
F	# REINFORCING STEEL BAR DIA. (INCH)	1.181	1.181	1.181	1.181	1.181	1.181	1.181	1.181
G	CONCRETE STRENGTH (f'c) (PSI)	4350	4350	4350	4350	4350	4350	4350	4350
H	CONCRETE (Ec) (PSI)	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06	3.80E+06
I	A _F (IN ²)/FT	0.687	0.687	0.687	0.687	0.687	0.687	0.687	0.687
J	I _{X(F)} (IN ⁴)/FT	5.70	5.70	5.70	5.70	5.70	5.70	5.70	5.70
K	ALLOWABLE FORCE (LBS/FT)	437	437	437	437	437	437	437	437
L	FINAL EFF. CROSS SECT. AREA A _{SO} (IN ²)	1.095	1.095	1.095	1.095	1.095	1.095	1.095	1.095
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=58.0KSI

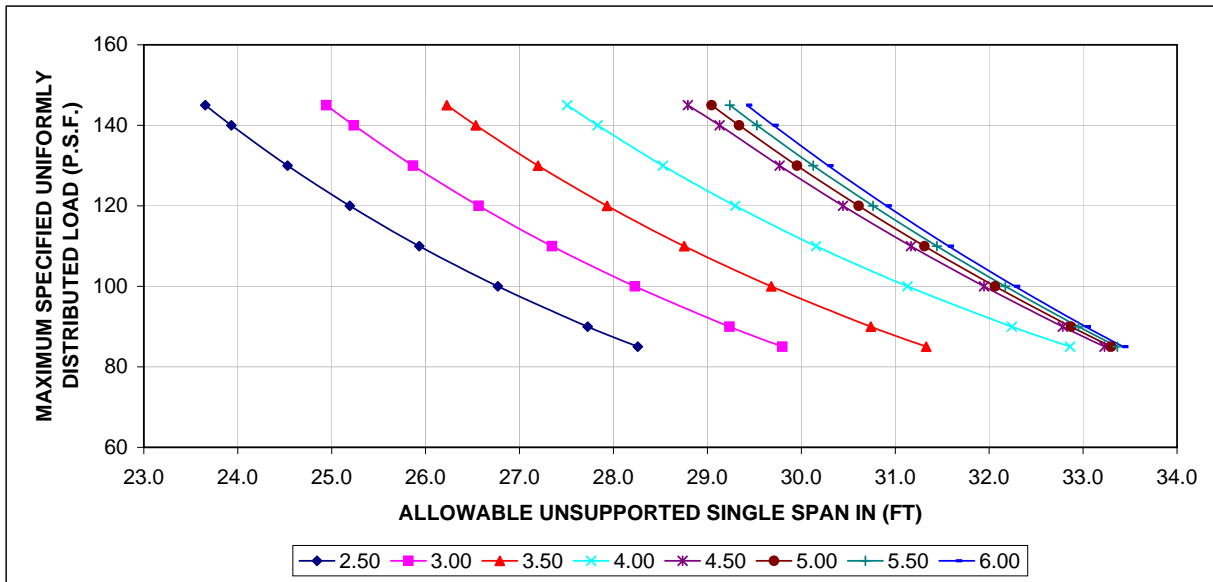
OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (IN)							
		2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
O	MAX. UNSHORED SPAN (C.L.21PSF).FT.	9.40	8.67	8.05	7.51	7.03	6.62	6.25	5.92
P	MAX. UNSHORED SPAN (C.L.42PSF).FT.	7.33	6.88	6.48	6.13	5.81	5.52	5.26	5.03
Q	TOTAL DEAD LOAD (NO CONST.).PSF.	53.41	59.66	65.90	72.15	78.40	84.65	90.89	97.14
R	CONCRETE VOLUME. YD ³ /100FT ²	1.215	1.369	1.524	1.678	1.832	1.986	2.141	2.295

C.L. = CONSTRUCTION LOAD (PSF)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (IN)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (P.S.F)							
			85	90	100	110	120	130	140	145
1	ALLOW. SINGLE UNSUP. SPAN - FT.	2.50	28.26	27.73	26.77	25.93	25.19	24.53	23.93	23.65
2	ALLOW. SINGLE UNSUP. SPAN - FT.	3.00	29.80	29.24	28.23	27.35	26.56	25.87	25.24	24.94
3	ALLOW. SINGLE UNSUP. SPAN - FT.	3.50	31.33	30.74	29.68	28.75	27.93	27.20	26.53	26.23
4	ALLOW. SINGLE UNSUP. SPAN - FT.	4.00	32.86	32.24	31.13	30.16	29.30	28.53	27.83	27.51
5	ALLOW. SINGLE UNSUP. SPAN - FT.	4.50	33.23	32.78	31.94	31.17	30.44	29.77	29.13	28.79
6	ALLOW. SINGLE UNSUP. SPAN - FT.	5.00	33.30	32.87	32.06	31.31	30.61	29.95	29.34	29.04
7	ALLOW. SINGLE UNSUP. SPAN - FT.	5.50	33.36	32.95	32.17	31.44	30.76	30.13	29.53	29.24
8	ALLOW. SINGLE UNSUP. SPAN - FT.	6.00	33.42	33.03	32.27	31.57	30.91	30.29	29.70	29.42





ULTRA-BOND COMPOSITE FLOOR DECK
 MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)
 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) -METRIC UNITS

1.21 mm Deck
10 mm Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
A	METAL DECK THICK (mm) (Td)	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21
B	METAL DECK YIELD STRENGTH (KPa)(Fy)	280	280	280	280	280	280	280	280
C	METAL DECK EFF. (I _x) (mm ⁴)/m	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06
D	METAL DECK EFF. (S _x) (mm ³)/m	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04
E	METAL DECK (E _s)(KPa)	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08
F	# REINFORCING STEEL BAR DIA. (mm)	10	10	10	10	10	10	10	10
G	CONCRETE STRENGTH (f _c) (KPa)	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04
H	CONCRETE (E _c) (KPa)	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07
I	A _F (mm ²)/m	1830.917	1830.917	1830.917	1830.917	1830.917	1830.917	1830.917	1830.917
J	I _{x(F)} (mm ⁴)/m	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06
K	ALLOWABLE FORCE (KN/m)	9.617	9.617	9.617	9.617	9.617	9.617	9.617	9.617
L	FINAL EFF. CROSS SECT. AREA A _{EO} (IN ²)	301	301	301	301	301	301	301	301
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.333	1.333	1.333	1.333	1.333	1.333	1.333	1.333
N	DEFLECTION CRITERIA *	L/480	L/480	L/480	L/480	L/480	L/480	L/480	L/480

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=400MPa

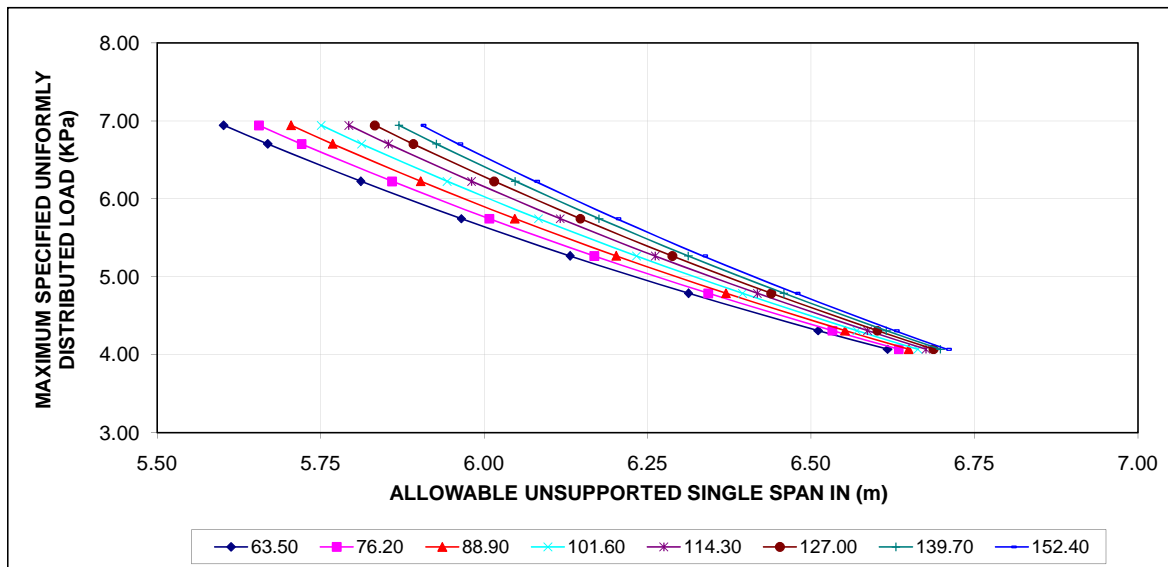
OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
O	MAX. UNSHORED SPAN (C.L.1.006KPa).m.	4.32	3.99	3.70	3.45	3.23	3.04	2.87	2.72
P	MAX. UNSHORED SPAN (C.L.2.011KPa).m.	3.12	2.98	2.90	2.82	2.67	2.54	2.42	2.31
Q	TOTAL DEAD LOAD (NO CONST.)KPa.	2.555	2.855	3.154	3.453	3.752	4.051	4.350	4.649
R	CONCRETE VOLUME. m ³ /10m ²	1.021	1.147	1.274	1.401	1.528	1.655	1.782	1.909

C.L. = CONSTRUCTION LOAD (Pa)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (mm)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)							
			4.07	4.31	4.79	5.27	5.75	6.22	6.70	6.94
1	ALLOW. SINGLE UNSUP. SPAN - m.	63.50	6.62	6.51	6.31	6.13	5.96	5.81	5.67	5.60
2	ALLOW. SINGLE UNSUP. SPAN - m.	76.20	6.63	6.53	6.34	6.17	6.01	5.86	5.72	5.66
3	ALLOW. SINGLE UNSUP. SPAN - m.	88.90	6.65	6.55	6.37	6.20	6.05	5.90	5.77	5.70
4	ALLOW. SINGLE UNSUP. SPAN - m.	101.60	6.66	6.57	6.39	6.23	6.08	5.94	5.81	5.75
5	ALLOW. SINGLE UNSUP. SPAN - m.	114.30	6.68	6.59	6.42	6.26	6.12	5.98	5.85	5.79
6	ALLOW. SINGLE UNSUP. SPAN - m.	127.00	6.69	6.60	6.44	6.29	6.15	6.02	5.89	5.83
7	ALLOW. SINGLE UNSUP. SPAN - m.	139.70	6.70	6.61	6.46	6.31	6.18	6.05	5.93	5.87
8	ALLOW. SINGLE UNSUP. SPAN - m.	152.40	6.71	6.63	6.48	6.33	6.20	6.08	5.96	5.90





ULTRA-BOND COMPOSITE FLOOR DECK
 MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)
 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) -METRIC UNITS

1.21 mm Deck
15 mm Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
A	METAL DECK THICK (mm) (Td)	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21
B	METAL DECK YIELD STRENGTH (KPa)(Fy)	280	280	280	280	280	280	280	280
C	METAL DECK EFF. (Ix) (mm ⁴)/m	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06
D	METAL DECK EFF. (Sx) (mm ³)/m	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04
E	METAL DECK (Es)(KPa)	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08
F	# REINFORCING STEEL BAR DIA. (mm)	15	15	15	15	15	15	15	15
G	CONCRETE STRENGTH (f'c) (KPa)	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04
H	CONCRETE (Ec) (KPa)	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07
I	A _F (mm ²)/m	1830.917	1830.917	1830.917	1830.917	1830.917	1830.917	1830.917	1830.917
J	I _{x(f)} (mm ⁴)/m	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06
K	ALLOWABLE FORCE (KN/m)	9.617	9.617	9.617	9.617	9.617	9.617	9.617	9.617
L	FINAL EFF. CROSS SECT. AREA A _{SO} (IN ²)	387	387	387	387	387	387	387	387
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.333	1.333	1.333	1.333	1.333	1.333	1.333	1.333
N	DEFLECTION CRITERIA *	L/480	L/480	L/480	L/480	L/480	L/480	L/480	L/480

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=400MPa

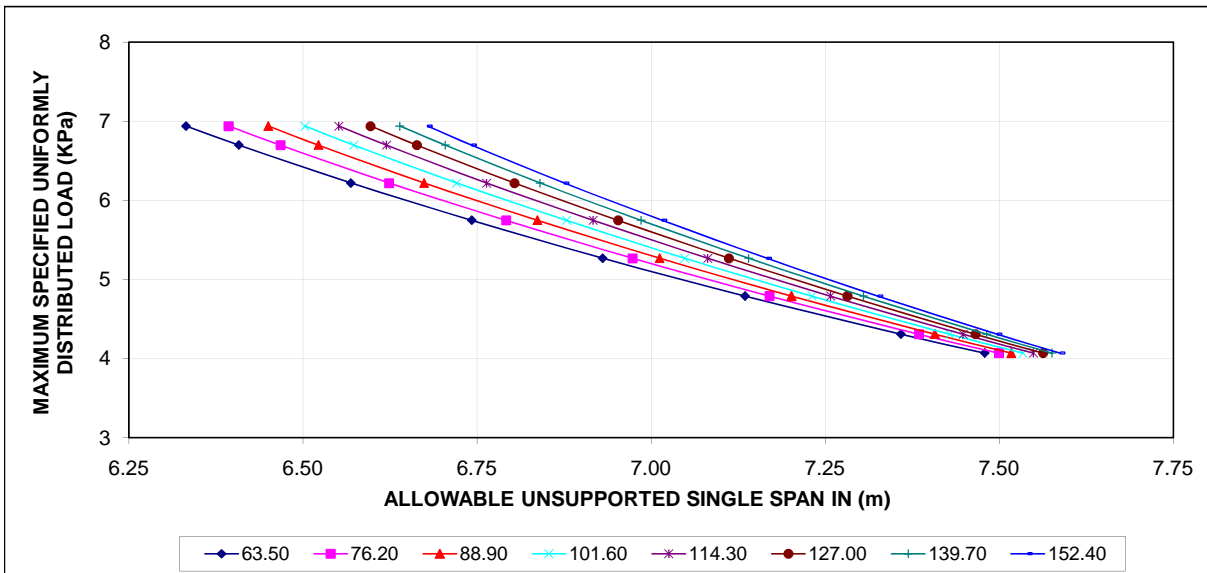
OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
O	MAX. UNSHORED SPAN (C.L.1.006KPa).m.	4.32	3.98	3.70	3.45	3.23	3.04	2.87	2.72
P	MAX. UNSHORED SPAN (C.L.2.011KPa).m.	3.13	2.98	2.91	2.81	2.67	2.54	2.42	2.31
Q	TOTAL DEAD LOAD (NO CONST.)KPa.	2.560	2.859	3.158	3.458	3.757	4.056	4.355	4.654
R	CONCRETE VOLUME. m ³ /10m ²	1.017	1.144	1.271	1.398	1.525	1.652	1.779	1.906

C.L. = CONSTRUCTION LOAD (Pa)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (mm)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)							
			4.07	4.31	4.79	5.27	5.75	6.22	6.7	6.94
1	ALLOW. SINGLE UNSUP. SPAN - m.	63.50	7.48	7.36	7.13	6.93	6.74	6.57	6.41	6.33
2	ALLOW. SINGLE UNSUP. SPAN - m.	76.20	7.50	7.38	7.17	6.97	6.79	6.62	6.47	6.39
3	ALLOW. SINGLE UNSUP. SPAN - m.	88.90	7.52	7.41	7.20	7.01	6.84	6.67	6.52	6.45
4	ALLOW. SINGLE UNSUP. SPAN - m.	101.60	7.53	7.43	7.23	7.05	6.88	6.72	6.57	6.50
5	ALLOW. SINGLE UNSUP. SPAN - m.	114.30	7.55	7.45	7.26	7.08	6.92	6.76	6.62	6.55
6	ALLOW. SINGLE UNSUP. SPAN - m.	127.00	7.56	7.47	7.28	7.11	6.95	6.80	6.66	6.60
7	ALLOW. SINGLE UNSUP. SPAN - m.	139.70	7.58	7.48	7.30	7.14	6.99	6.84	6.70	6.64
8	ALLOW. SINGLE UNSUP. SPAN - m.	152.40	7.59	7.50	7.33	7.17	7.02	6.87	6.74	6.68





ULTRA-BOND COMPOSITE FLOOR DECK
 MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)
 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) -METRIC UNITS

1.21 mm Deck
20 mm Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
A	METAL DECK THICK (mm) (Td)	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21
B	METAL DECK YIELD STRENGTH (KPa)(Fy)	280	280	280	280	280	280	280	280
C	METAL DECK EFF. (Ix) (mm ⁴)/m	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06
D	METAL DECK EFF. (Sx) (mm ³)/m	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04
E	METAL DECK (Es)(KPa)	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08
F	# REINFORCING STEEL BAR DIA. (mm)	20	20	20	20	20	20	20	20
G	CONCRETE STRENGTH (f'c) (KPa)	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04
H	CONCRETE (Ec) (KPa)	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07
I	A _F (mm ²)/m	1830.917	1830.917	1830.917	1830.917	1830.917	1830.917	1830.917	1830.917
J	I _{x(p)} (mm ⁴)/m	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06
K	ALLOWABLE FORCE (KN/m)	9.617	9.617	9.617	9.617	9.617	9.617	9.617	9.617
L	FINAL EFF. CROSS SECT. AREA A _{SO} (IN ²)	434	434	434	434	434	434	434	434
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.333	1.333	1.333	1.333	1.333	1.333	1.333	1.333
N	DEFLECTION CRITERIA *	L/480	L/480	L/480	L/480	L/480	L/480	L/480	L/480

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=400MPa

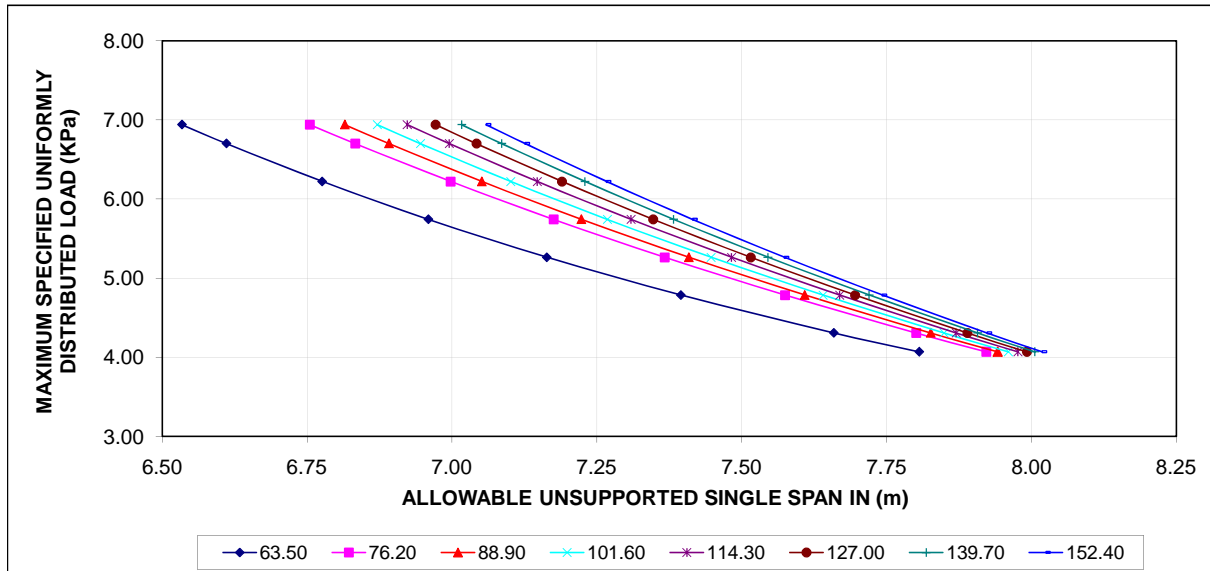
OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
O	MAX. UNSHORED SPAN (C.L.1.006KPa).m.	4.31	3.97	3.69	3.44	3.23	3.04	2.87	2.72
P	MAX. UNSHORED SPAN (C.L.2.011KPa).m.	3.13	2.97	2.91	2.81	2.66	2.53	2.41	2.31
Q	TOTAL DEAD LOAD (NO CONST.) KPa.	2.567	2.866	3.165	3.464	3.763	4.063	4.362	4.661
R	CONCRETE VOLUME. m ³ /10m ²	1.013	1.140	1.267	1.394	1.521	1.648	1.775	1.901

C.L. = CONSTRUCTION LOAD (Pa)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (mm)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)							
			4.07	4.31	4.79	5.27	5.75	6.22	6.70	6.94
1	ALLOW. SINGLE UNSUP. SPAN - m.	63.50	7.81	7.66	7.39	7.16	6.96	6.78	6.61	6.53
2	ALLOW. SINGLE UNSUP. SPAN - m.	76.20	7.92	7.80	7.57	7.37	7.17	7.00	6.83	6.75
3	ALLOW. SINGLE UNSUP. SPAN - m.	88.90	7.94	7.83	7.61	7.41	7.22	7.05	6.89	6.82
4	ALLOW. SINGLE UNSUP. SPAN - m.	101.60	7.96	7.85	7.64	7.45	7.27	7.10	6.95	6.87
5	ALLOW. SINGLE UNSUP. SPAN - m.	114.30	7.98	7.87	7.67	7.48	7.31	7.15	7.00	6.92
6	ALLOW. SINGLE UNSUP. SPAN - m.	127.00	7.99	7.89	7.70	7.51	7.35	7.19	7.04	6.97
7	ALLOW. SINGLE UNSUP. SPAN - m.	139.70	8.01	7.91	7.72	7.55	7.38	7.23	7.09	7.02
8	ALLOW. SINGLE UNSUP. SPAN - m.	152.40	8.02	7.92	7.74	7.57	7.42	7.27	7.13	7.06





ULTRA-BOND COMPOSITE FLOOR DECK
 MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)
 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) -METRIC UNITS

1.21 mm Deck
25 mm Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
A	METAL DECK THICK (mm) (Td)	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21
B	METAL DECK YIELD STRENGTH (KPa)(Fy)	280	280	280	280	280	280	280	280
C	METAL DECK EFF. (Ix) (mm ⁴)/m	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06
D	METAL DECK EFF. (Sx) (mm ³)/m	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04
E	METAL DECK (Es)(KPa)	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08
F	# REINFORCING STEEL BAR DIA. (mm)	25	25	25	25	25	25	25	25
G	CONCRETE STRENGTH (f'c) (KPa)	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04
H	CONCRETE (Ec) (KPa)	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07
I	A _F (mm ²)/m	1830.917	1830.917	1830.917	1830.917	1830.917	1830.917	1830.917	1830.917
J	I _{x(f)} (mm ⁴)/m	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06
K	ALLOWABLE FORCE (KN/m)	9.617	9.617	9.617	9.617	9.617	9.617	9.617	9.617
L	FINAL EFF. CROSS SECT. AREA A _{SO} (IN ²)	581	581	581	581	581	581	581	581
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.333	1.333	1.333	1.333	1.333	1.333	1.333	1.333
N	DEFLECTION CRITERIA *	L/480	L/480	L/480	L/480	L/480	L/480	L/480	L/480

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=400MPa

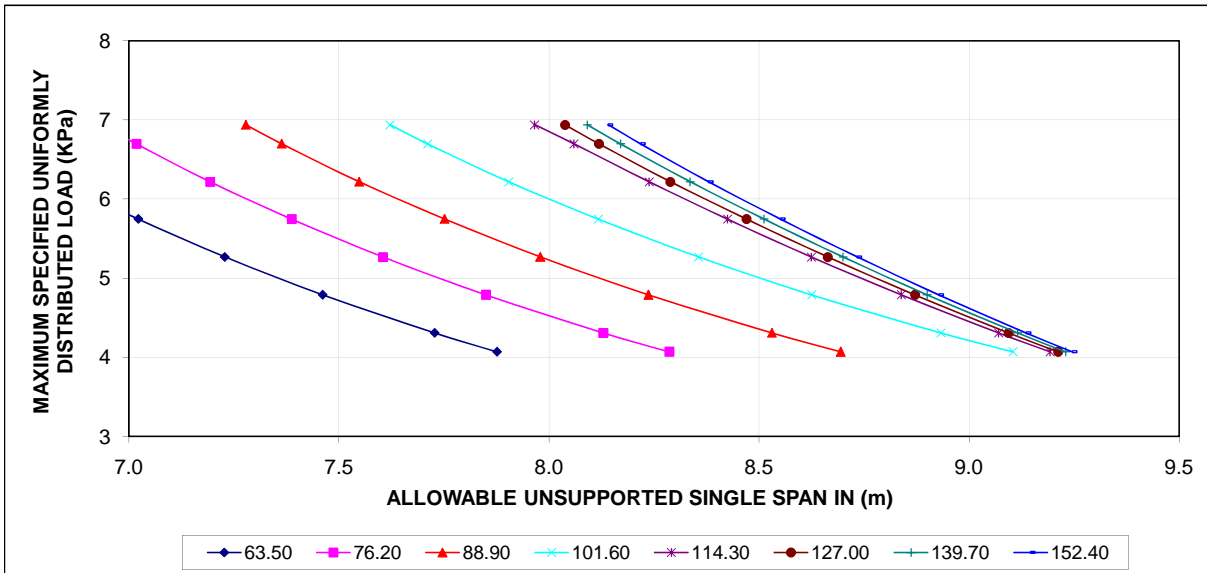
OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
O	MAX. UNSHORED SPAN (C.L.1.006KPa).m.	4.30	3.97	3.68	3.44	3.22	3.03	2.86	2.71
P	MAX. UNSHORED SPAN (C.L.2.011KPa).m.	3.14	2.97	2.92	2.81	2.66	2.53	2.41	2.30
Q	TOTAL DEAD LOAD (NO CONST.) KPa.	2.576	2.875	3.174	3.473	3.772	4.071	4.370	4.670
R	CONCRETE VOLUME. m ³ /10m ²	1.007	1.134	1.261	1.388	1.515	1.642	1.769	1.896

C.L. = CONSTRUCTION LOAD (Pa)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (mm)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)							
			4.07	4.31	4.79	5.27	5.75	6.22	6.7	6.94
1	ALLOW. SINGLE UNSUP. SPAN - m.	63.50	7.88	7.73	7.46	7.23	7.02	6.84	6.67	6.59
2	ALLOW. SINGLE UNSUP. SPAN - m.	76.20	8.29	8.13	7.85	7.60	7.39	7.19	7.02	6.94
3	ALLOW. SINGLE UNSUP. SPAN - m.	88.90	8.69	8.53	8.24	7.98	7.75	7.55	7.36	7.28
4	ALLOW. SINGLE UNSUP. SPAN - m.	101.60	9.10	8.93	8.63	8.36	8.12	7.90	7.71	7.62
5	ALLOW. SINGLE UNSUP. SPAN - m.	114.30	9.19	9.07	8.84	8.62	8.42	8.24	8.06	7.97
6	ALLOW. SINGLE UNSUP. SPAN - m.	127.00	9.21	9.09	8.87	8.66	8.47	8.29	8.12	8.04
7	ALLOW. SINGLE UNSUP. SPAN - m.	139.70	9.23	9.12	8.90	8.70	8.51	8.34	8.17	8.09
8	ALLOW. SINGLE UNSUP. SPAN - m.	152.40	9.25	9.14	8.93	8.73	8.55	8.38	8.22	8.14





ULTRA-BOND COMPOSITE FLOOR DECK
 MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)
 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) -METRIC UNITS

1.21 mm Deck
30 mm Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
A	METAL DECK THICK (mm) (Td)	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21
B	METAL DECK YIELD STRENGTH (KPa)(Fy)	280	280	280	280	280	280	280	280
C	METAL DECK EFF. (Ix) (mm ⁴)/m	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06	6.95E+06
D	METAL DECK EFF. (Sx) (mm ³)/m	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04	6.18E+04
E	METAL DECK (Es)(KPa)	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08
F	# REINFORCING STEEL BAR DIA. (mm)	30	30	30	30	30	30	30	30
G	CONCRETE STRENGTH (f'c) (KPa)	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04
H	CONCRETE (Ec) (KPa)	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07
I	A _F (mm ²)/m	1830.917	1830.917	1830.917	1830.917	1830.917	1830.917	1830.917	1830.917
J	I _{x(f)} (mm ⁴)/m	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06	9.80E+06
K	ALLOWABLE FORCE (KN/m)	9.617	9.617	9.617	9.617	9.617	9.617	9.617	9.617
L	FINAL EFF. CROSS SECT. AREA A _{SO} (IN ²)	706	706	706	706	706	706	706	706
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.333	1.333	1.333	1.333	1.333	1.333	1.333	1.333
N	DEFLECTION CRITERIA *	L/480	L/480	L/480	L/480	L/480	L/480	L/480	L/480

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=400MPa

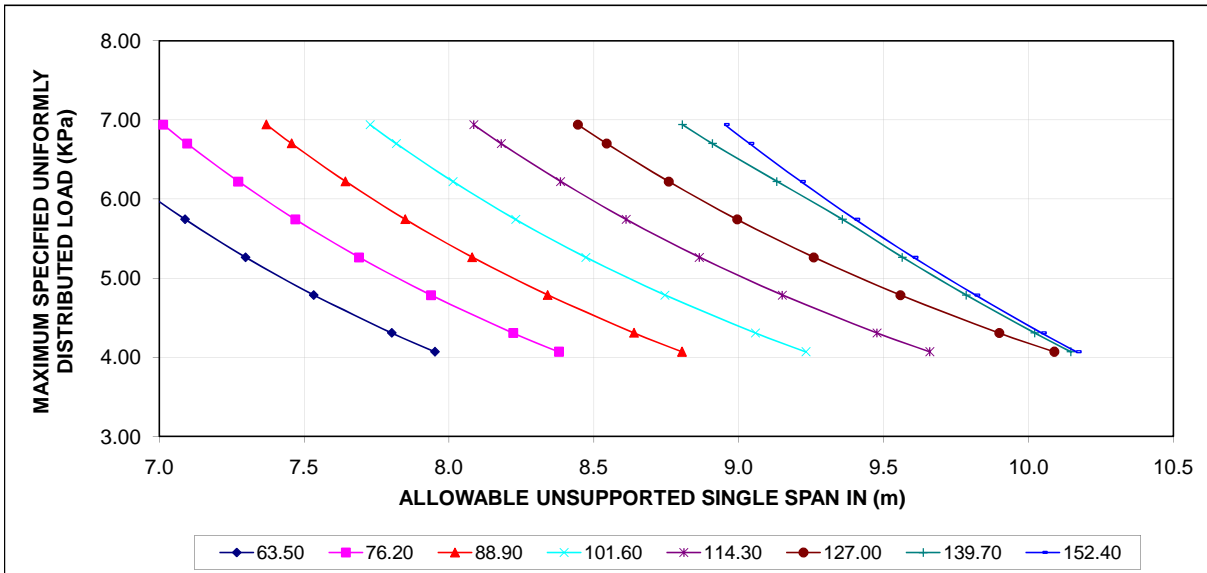
OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
O	MAX. UNSHORED SPAN (C.L.1.006KPa).m.	4.28	3.95	3.67	3.43	3.21	3.02	2.86	2.71
P	MAX. UNSHORED SPAN (C.L.2.011KPa).m.	3.14	2.93	2.96	2.80	2.66	2.53	2.41	2.30
Q	TOTAL DEAD LOAD (NO CONST.) KPa.	2.586	2.885	3.184	3.484	3.783	4.082	4.381	4.680
R	CONCRETE VOLUME. m ³ /10m ²	1.000	1.127	1.254	1.381	1.508	1.635	1.762	1.889

C.L. = CONSTRUCTION LOAD (Pa)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (mm)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)							
			4.07	4.31	4.79	5.27	5.75	6.22	6.70	6.94
1	ALLOW. SINGLE UNSUP. SPAN - m.	63.50	7.95	7.80	7.53	7.30	7.09	6.90	6.73	6.66
2	ALLOW. SINGLE UNSUP. SPAN - m.	76.20	8.38	8.22	7.94	7.69	7.47	7.27	7.10	7.01
3	ALLOW. SINGLE UNSUP. SPAN - m.	88.90	8.80	8.64	8.34	8.08	7.85	7.64	7.46	7.37
4	ALLOW. SINGLE UNSUP. SPAN - m.	101.60	9.23	9.06	8.74	8.47	8.23	8.01	7.82	7.73
5	ALLOW. SINGLE UNSUP. SPAN - m.	114.30	9.66	9.48	9.15	8.86	8.61	8.38	8.18	8.09
6	ALLOW. SINGLE UNSUP. SPAN - m.	127.00	10.09	9.90	9.56	9.26	8.99	8.76	8.54	8.44
7	ALLOW. SINGLE UNSUP. SPAN - m.	139.70	10.15	10.02	9.78	9.56	9.36	9.13	8.91	8.81
8	ALLOW. SINGLE UNSUP. SPAN - m.	152.40	10.17	10.04	9.82	9.60	9.40	9.21	9.04	8.95





ULTRA-BOND COMPOSITE FLOOR DECK
 MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)
 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) -METRIC UNITS

0.96mm Deck
10mm Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
A	METAL DECK THICK (mm) (Td)	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
B	METAL DECK YIELD STRENGTH (KPa)(Fy)	280	280	280	280	280	280	280	280
C	METAL DECK EFF. (Ix) (mm ⁴ /m)	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06
D	METAL DECK EFF. (Sx) (mm ³ /m)	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04
E	METAL DECK (Es)(KPa)	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08
F	# REINFORCING STEEL BAR DIA. (mm)	10	10	10	10	10	10	10	10
G	CONCRETE STRENGTH (f'c) (KPa)	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04
H	CONCRETE (Ec) (KPa)	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07
I	A _F (mm ² /m)	1454.150	1454.150	1454.150	1454.150	1454.150	1454.150	1454.150	1454.150
J	I _{x(F)} (mm ⁴ /m)	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06
K	ALLOWABLE FORCE (KN/m)	6.378	6.378	6.378	6.378	6.378	6.378	6.378	6.378
L	FINAL EFF. CROSS SECT. AREA A _{SO} (IN ²)	240	240	240	240	240	240	240	240
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=400MPa

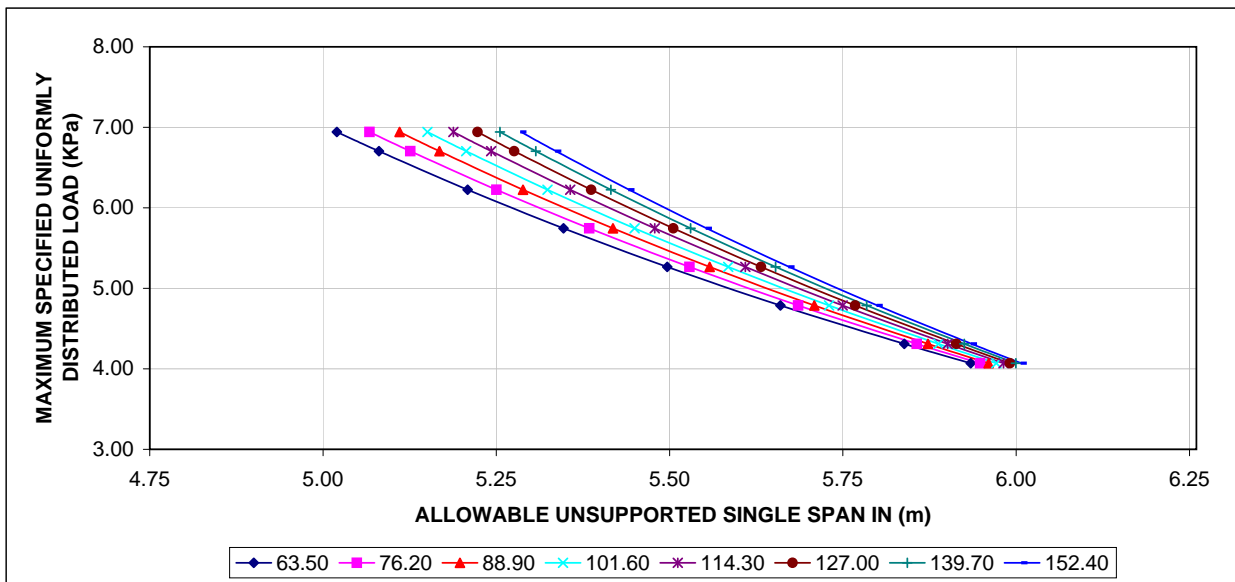
OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
O	MAX. UNSHORED SPAN (C.L.1.006KPa).m.	2.89	2.66	2.47	2.30	2.16	2.03	1.92	1.81
P	MAX. UNSHORED SPAN (C.L.2.011KPa).m.	2.25	2.11	1.99	1.88	1.78	1.69	1.61	1.54
Q	TOTAL DEAD LOAD (NO CONST.).KPa.	2.526	2.826	3.125	3.424	3.723	4.022	4.321	4.620
R	CONCRETE VOLUME. m ³ /10m ²	1.021	1.147	1.274	1.401	1.528	1.655	1.782	1.909

C.L. = CONSTRUCTION LOAD (Pa)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (mm)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)							
			4.07	4.31	4.79	5.27	5.75	6.22	6.70	6.94
1	ALLOW. SINGLE UNSUP. SPAN - m.	63.50	5.93	5.84	5.66	5.50	5.35	5.21	5.08	5.02
2	ALLOW. SINGLE UNSUP. SPAN - m.	76.20	5.95	5.86	5.69	5.53	5.38	5.25	5.13	5.07
3	ALLOW. SINGLE UNSUP. SPAN - m.	88.90	5.96	5.87	5.71	5.56	5.42	5.29	5.17	5.11
4	ALLOW. SINGLE UNSUP. SPAN - m.	101.60	5.97	5.89	5.73	5.58	5.45	5.32	5.21	5.15
5	ALLOW. SINGLE UNSUP. SPAN - m.	114.30	5.98	5.90	5.75	5.61	5.48	5.36	5.24	5.19
6	ALLOW. SINGLE UNSUP. SPAN - m.	127.00	5.99	5.91	5.77	5.63	5.51	5.39	5.28	5.22
7	ALLOW. SINGLE UNSUP. SPAN - m.	139.70	6.00	5.93	5.78	5.65	5.53	5.42	5.31	5.26
8	ALLOW. SINGLE UNSUP. SPAN - m.	152.40	6.01	5.94	5.80	5.67	5.55	5.44	5.34	5.29





ULTRA-BOND COMPOSITE FLOOR DECK
 MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)
 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) -METRIC UNITS

0.96mm Deck
15mm Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
A	METAL DECK THICK (mm) (Td)	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
B	METAL DECK YIELD STRENGTH (KPa)(Fy)	280	280	280	280	280	280	280	280
C	METAL DECK EFF. (Ix) (mm ⁴)/m	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06
D	METAL DECK EFF. (Sx) (mm ³)/m	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04
E	METAL DECK (Es)(KPa)	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08
F	# REINFORCING STEEL BAR DIA. (mm)	15	15	15	15	15	15	15	15
G	CONCRETE STRENGTH (f'c) (KPa)	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04
H	CONCRETE (Ec) (KPa)	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07
I	A _F (mm ²)/m	1454.150	1454.150	1454.150	1454.150	1454.150	1454.150	1454.150	1454.150
J	I _{x(F)} (mm ⁴)/m	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06
K	ALLOWABLE FORCE (KN/m)	6.378	6.378	6.378	6.378	6.378	6.378	6.378	6.378
L	FINAL EFF. CROSS SECT. AREA A _{SO} (IN ²)	323	323	323	323	323	323	323	323
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=400MPa

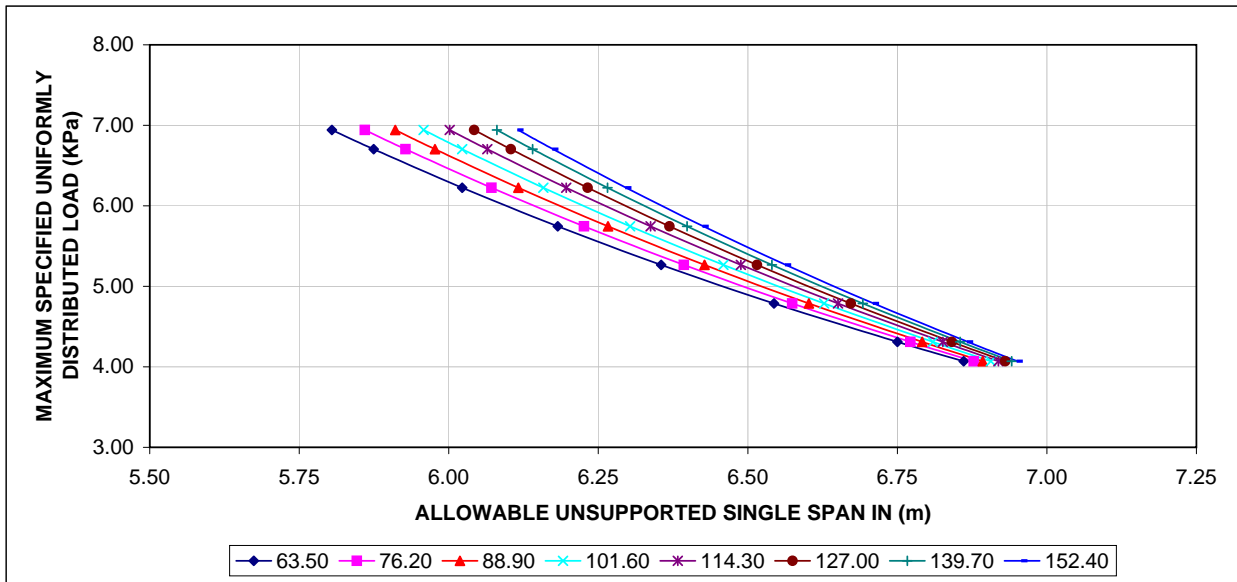
OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
O	MAX. UNSHORED SPAN (C.L.1.006KPa).m.	2.89	2.66	2.47	2.30	2.16	2.03	1.91	1.81
P	MAX. UNSHORED SPAN (C.L.2.011KPa).m.	2.25	2.11	1.99	1.88	1.78	1.69	1.61	1.54
Q	TOTAL DEAD LOAD (NO CONST.).KPa.	2.531	2.830	3.129	3.429	3.728	4.027	4.326	4.625
R	CONCRETE VOLUME. m ³ /10m ²	1.017	1.144	1.271	1.398	1.525	1.652	1.779	1.906

C.L. = CONSTRUCTION LOAD (Pa)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (mm)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)							
			4.07	4.31	4.79	5.27	5.75	6.22	6.70	6.94
1	ALLOW. SINGLE UNSUP. SPAN - m.	63.50	6.86	6.75	6.54	6.36	6.18	6.02	5.87	5.80
2	ALLOW. SINGLE UNSUP. SPAN - m.	76.20	6.88	6.77	6.57	6.39	6.23	6.07	5.93	5.86
3	ALLOW. SINGLE UNSUP. SPAN - m.	88.90	6.89	6.79	6.60	6.43	6.27	6.12	5.98	5.91
4	ALLOW. SINGLE UNSUP. SPAN - m.	101.60	6.91	6.81	6.63	6.46	6.30	6.16	6.02	5.96
5	ALLOW. SINGLE UNSUP. SPAN - m.	114.30	6.92	6.83	6.65	6.49	6.34	6.20	6.06	6.00
6	ALLOW. SINGLE UNSUP. SPAN - m.	127.00	6.93	6.84	6.67	6.52	6.37	6.23	6.10	6.04
7	ALLOW. SINGLE UNSUP. SPAN - m.	139.70	6.94	6.86	6.69	6.54	6.40	6.27	6.14	6.08
8	ALLOW. SINGLE UNSUP. SPAN - m.	152.40	6.95	6.87	6.71	6.56	6.43	6.30	6.17	6.12





ULTRA-BOND COMPOSITE FLOOR DECK
 MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)
 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) -METRIC UNITS

0.96mm Deck
20mm Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
A	METAL DECK THICK (mm) (Td)	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
B	METAL DECK YIELD STRENGTH (KPa)(Fy)	280	280	280	280	280	280	280	280
C	METAL DECK EFF. (Ix) (mm ⁴)/m	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06
D	METAL DECK EFF. (Sx) (mm ³)/m	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04
E	METAL DECK (Es)(KPa)	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08
F	# REINFORCING STEEL BAR DIA. (mm)	20	20	20	20	20	20	20	20
G	CONCRETE STRENGTH (f'c) (KPa)	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04
H	CONCRETE (Ec) (KPa)	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07
I	A _F (mm ²)/m	1454.150	1454.150	1454.150	1454.150	1454.150	1454.150	1454.150	1454.150
J	I _{x(F)} (mm ⁴)/m	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06
K	ALLOWABLE FORCE (KN/m)	6.378	6.378	6.378	6.378	6.378	6.378	6.378	6.378
L	FINAL EFF. CROSS SECT. AREA A _{SO} (IN ²)	361	361	361	361	361	361	361	361
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=400MPa

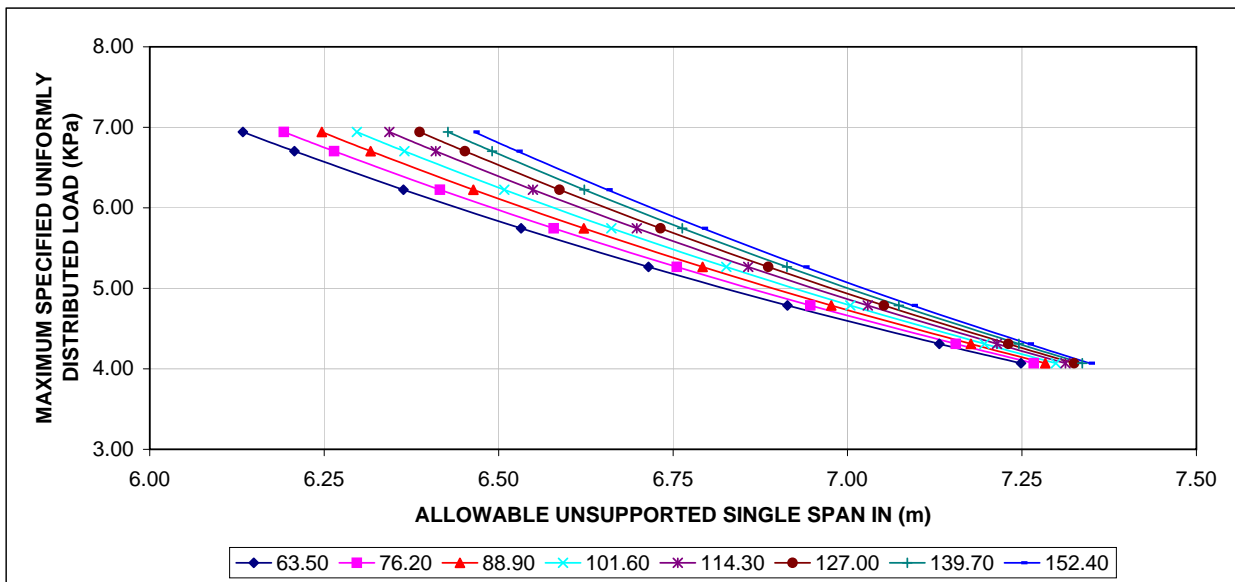
OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
O	MAX. UNSHORED SPAN (C.L.1.006KPa).m.	2.88	2.66	2.46	2.30	2.15	2.02	1.91	1.81
P	MAX. UNSHORED SPAN (C.L.2.011KPa).m.	2.24	2.10	1.98	1.87	1.78	1.69	1.61	1.54
Q	TOTAL DEAD LOAD (NO CONST.).KPa.	2.538	2.837	3.136	3.435	3.734	4.034	4.333	4.632
R	CONCRETE VOLUME. m ³ /10m ²	1.013	1.140	1.267	1.394	1.521	1.648	1.775	1.901

C.L. = CONSTRUCTION LOAD (Pa)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (mm)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)							
			4.07	4.31	4.79	5.27	5.75	6.22	6.70	6.94
1	ALLOW. SINGLE UNSUP. SPAN - m.	63.50	7.25	7.13	6.91	6.71	6.53	6.36	6.21	6.13
2	ALLOW. SINGLE UNSUP. SPAN - m.	76.20	7.27	7.16	6.95	6.76	6.58	6.42	6.26	6.19
3	ALLOW. SINGLE UNSUP. SPAN - m.	88.90	7.28	7.18	6.98	6.79	6.62	6.46	6.32	6.25
4	ALLOW. SINGLE UNSUP. SPAN - m.	101.60	7.30	7.20	7.00	6.83	6.66	6.51	6.36	6.30
5	ALLOW. SINGLE UNSUP. SPAN - m.	114.30	7.31	7.21	7.03	6.86	6.70	6.55	6.41	6.34
6	ALLOW. SINGLE UNSUP. SPAN - m.	127.00	7.32	7.23	7.05	6.89	6.73	6.59	6.45	6.39
7	ALLOW. SINGLE UNSUP. SPAN - m.	139.70	7.34	7.25	7.07	6.91	6.76	6.62	6.49	6.43
8	ALLOW. SINGLE UNSUP. SPAN - m.	152.40	7.35	7.26	7.09	6.94	6.79	6.66	6.53	6.47





ULTRA-BOND COMPOSITE FLOOR DECK
 MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)
 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) -METRIC UNITS

0.96mm Deck
25mm Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
A	METAL DECK THICK (mm) (Td)	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
B	METAL DECK YIELD STRENGTH (KPa)(Fy)	280	280	280	280	280	280	280	280
C	METAL DECK EFF. (Ix) (mm ⁴)/m	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06
D	METAL DECK EFF. (Sx) (mm ³)/m	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04
E	METAL DECK (Es)(KPa)	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08
F	# REINFORCING STEEL BAR DIA. (mm)	25	25	25	25	25	25	25	25
G	CONCRETE STRENGTH (f'c) (KPa)	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04
H	CONCRETE (Ec) (KPa)	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07
I	A _F (mm ²)/m	1454.150	1454.150	1454.150	1454.150	1454.150	1454.150	1454.150	1454.150
J	I _{x(F)} (mm ⁴)/m	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06
K	ALLOWABLE FORCE (KN/m)	6.378	6.378	6.378	6.378	6.378	6.378	6.378	6.378
L	FINAL EFF. CROSS SECT. AREA A _{SO} (IN ²)	490	490	490	490	490	490	490	490
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=400MPa

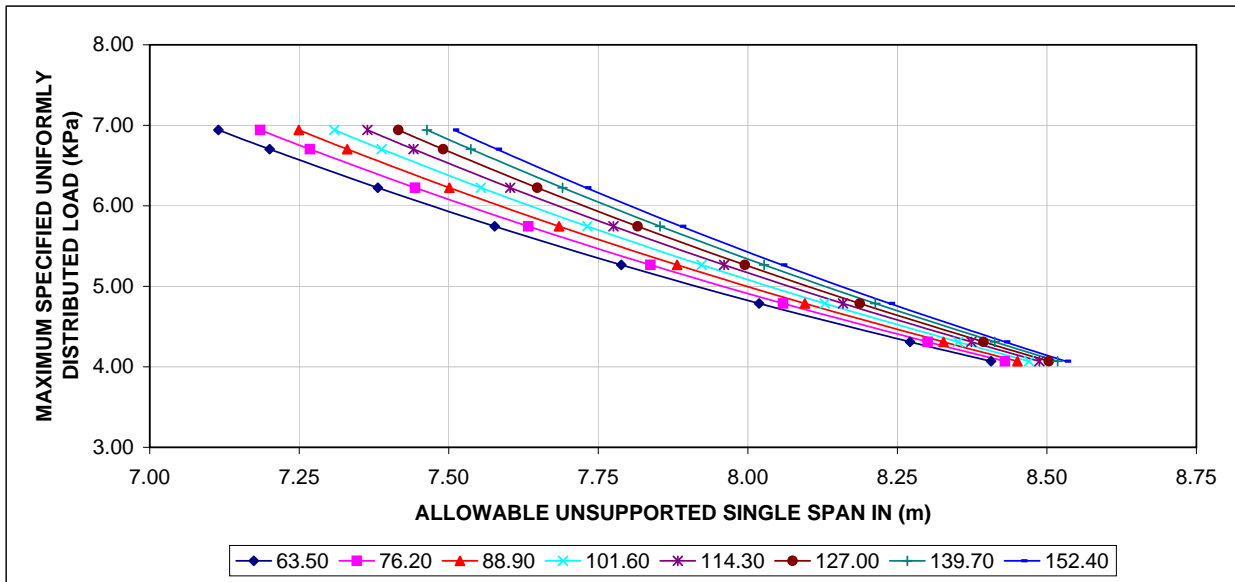
OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
O	MAX. UNSHORED SPAN (C.L.1.006KPa).m.	2.87	2.65	2.46	2.29	2.15	2.02	1.91	1.81
P	MAX. UNSHORED SPAN (C.L.2.011KPa).m.	2.24	2.10	1.98	1.87	1.77	1.69	1.61	1.53
Q	TOTAL DEAD LOAD (NO CONST.).KPa.	2.547	2.846	3.145	3.444	3.743	4.042	4.341	4.641
R	CONCRETE VOLUME. m ³ /10m ²	1.007	1.134	1.261	1.388	1.515	1.642	1.769	1.896

C.L. = CONSTRUCTION LOAD (Pa)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (mm)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)							
			4.07	4.31	4.79	5.27	5.75	6.22	6.70	6.94
1	ALLOW. SINGLE UNSUP. SPAN - m.	63.50	8.41	8.27	8.02	7.79	7.58	7.38	7.20	7.11
2	ALLOW. SINGLE UNSUP. SPAN - m.	76.20	8.43	8.30	8.06	7.84	7.63	7.44	7.27	7.18
3	ALLOW. SINGLE UNSUP. SPAN - m.	88.90	8.45	8.33	8.10	7.88	7.68	7.50	7.33	7.25
4	ALLOW. SINGLE UNSUP. SPAN - m.	101.60	8.47	8.35	8.13	7.92	7.73	7.55	7.39	7.31
5	ALLOW. SINGLE UNSUP. SPAN - m.	114.30	8.49	8.37	8.16	7.96	7.78	7.60	7.44	7.36
6	ALLOW. SINGLE UNSUP. SPAN - m.	127.00	8.50	8.39	8.19	8.00	7.82	7.65	7.49	7.42
7	ALLOW. SINGLE UNSUP. SPAN - m.	139.70	8.52	8.41	8.21	8.03	7.85	7.69	7.54	7.46
8	ALLOW. SINGLE UNSUP. SPAN - m.	152.40	8.53	8.43	8.24	8.06	7.89	7.73	7.58	7.51





ULTRA-BOND COMPOSITE FLOOR DECK
 MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)
 INCLUDES DEAD AND CONSTRUCTION LOAD CARRIED
 BY METAL DECK *(NOT SHOWN IN TABLES)*
 LIMIT STATE DESIGN (LSD) -METRIC UNITS

0.96mm Deck
30mm Rebar

INPUT SECTION:

ITEM	DESCRIPTION OR SECTION PROPERTIES	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
A	METAL DECK THICK (mm) (Td)	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
B	METAL DECK YIELD STRENGTH (KPa)(Fy)	280	280	280	280	280	280	280	280
C	METAL DECK EFF. (Ix) (mm ⁴ /m)	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06	4.60E+06
D	METAL DECK EFF. (Sx) (mm ³ /m)	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04	3.68E+04
E	METAL DECK (Es)(KPa)	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08	2.03E+08
F	# REINFORCING STEEL BAR DIA. (mm)	30	30	30	30	30	30	30	30
G	CONCRETE STRENGTH (f'c) (KPa)	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04	3.00E+04
H	CONCRETE (Ec) (KPa)	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07	2.62E+07
I	A _F (mm ² /m)	1454.150	1454.150	1454.150	1454.150	1454.150	1454.150	1454.150	1454.150
J	I _{x(F)} (mm ⁴ /m)	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06	7.78E+06
K	ALLOWABLE FORCE (KN/m)	6.378	6.378	6.378	6.378	6.378	6.378	6.378	6.378
L	FINAL EFF. CROSS SECT. AREA A _{SO} (IN ²)	706	706	706	706	706	706	706	706
M	DEFLECTION CRITERIA K _{1,2,3,4}	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

* DEFLECTION CRITERIA: L/360 (K₁=1), L/480 (K₂=1.333), L/600 (K₃=1.670) OR L/720 (K₄=2.0)
 # REINFORCING BAR Fy0=400MPa

OUTPUT SECTION #1

ITEM	DESCRIPTION	CONCRETE COVER ABOVE TOP OF METAL DECK (hf) OR (hc) (mm)							
		63.50	76.20	88.90	101.60	114.30	127.00	139.70	152.40
O	MAX. UNSHORED SPAN (C.L.1.006KPa).m.	2.86	2.64	2.45	2.29	2.14	2.02	1.90	1.80
P	MAX. UNSHORED SPAN (C.L.2.011KPa).m.	2.23	2.10	1.98	1.87	1.77	1.68	1.60	1.53
Q	TOTAL DEAD LOAD (NO CONST.).KPa.	2.557	2.856	3.155	3.455	3.754	4.053	4.352	4.651
R	CONCRETE VOLUME. m ³ /10m ²	1.000	1.127	1.254	1.381	1.508	1.635	1.762	1.889

C.L. = CONSTRUCTION LOAD (Pa)

OUTPUT SECTION #2: PLOT DATA - AND INPUT SECTION AS SHOWN #

ITEM	DESCRIPTION	(hf) OR (hc) (mm)	# MAXIMUM SPECIFIED UNIFORMLY DISTRIBUTED LOAD (KPa)							
			4.07	4.31	4.79	5.27	5.75	6.22	6.70	6.94
1	ALLOW. SINGLE UNSUP. SPAN - m.	63.50	8.61	8.45	8.16	7.90	7.68	7.48	7.29	7.21
2	ALLOW. SINGLE UNSUP. SPAN - m.	76.20	9.08	8.91	8.60	8.33	8.10	7.88	7.69	7.60
3	ALLOW. SINGLE UNSUP. SPAN - m.	88.90	9.55	9.37	9.05	8.76	8.51	8.29	8.09	7.99
4	ALLOW. SINGLE UNSUP. SPAN - m.	101.60	10.02	9.83	9.49	9.19	8.93	8.69	8.48	8.38
5	ALLOW. SINGLE UNSUP. SPAN - m.	114.30	10.13	9.99	9.74	9.50	9.28	9.07	8.88	8.78
6	ALLOW. SINGLE UNSUP. SPAN - m.	127.00	10.15	10.02	9.77	9.54	9.33	9.13	8.94	8.85
7	ALLOW. SINGLE UNSUP. SPAN - m.	139.70	10.17	10.04	9.81	9.58	9.38	9.18	9.00	8.91
8	ALLOW. SINGLE UNSUP. SPAN - m.	152.40	10.19	10.07	9.84	9.62	9.42	9.23	9.05	8.97

