1/10/2012

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CONNECTION EVALUATION

Keystone Unit: Standard II
Manufacturer: Stratagrid
Geogrid Type: SG200
Laboratory: BCGT 1/19/2003

Peak Connection Equation Fit

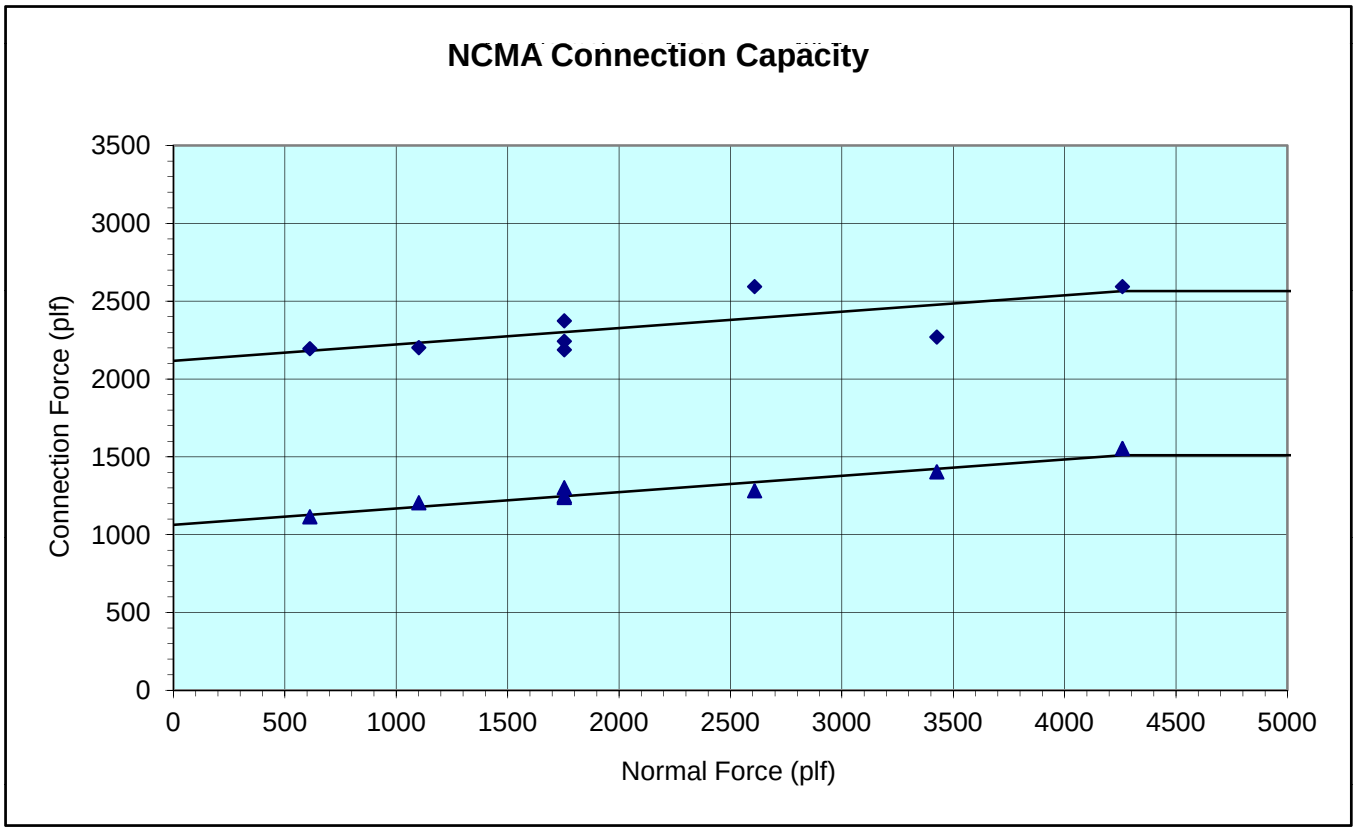
	English	Metric
Intercept (plf)	2117	30.90
Slope1	6.0	6.0
Break - Normal	4259	62.16
Slope2	0.0	0.0
Maximum (plf)	2565	37.43

3/4" Serviceability Equation Fit

Intercept (plf)	1063	15.51
Slope1	6.0	6.0
Break - Normal	4259	62.16
Slope2	0.0	0.0
Maximum (plf)	1511	22.05

Laboratory Test Data

Normal Load (plf)	Peak Connection (plf)	3/4" Connection (plf)
612	2195	1115
1101	2202	1205
1754	2243	1302
1754	2188	1239
1754	2374	1249
2608	2594	1282
3426	2270	1404
4259	2594	1554



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CONNECTION EVALUATION

Keystone Unit: Standard II
Manufacturer: Stratagrid
Geogrid Type: SG350
Laboratory: BCGT 10/5/2006

Peak Connection Equation Fit

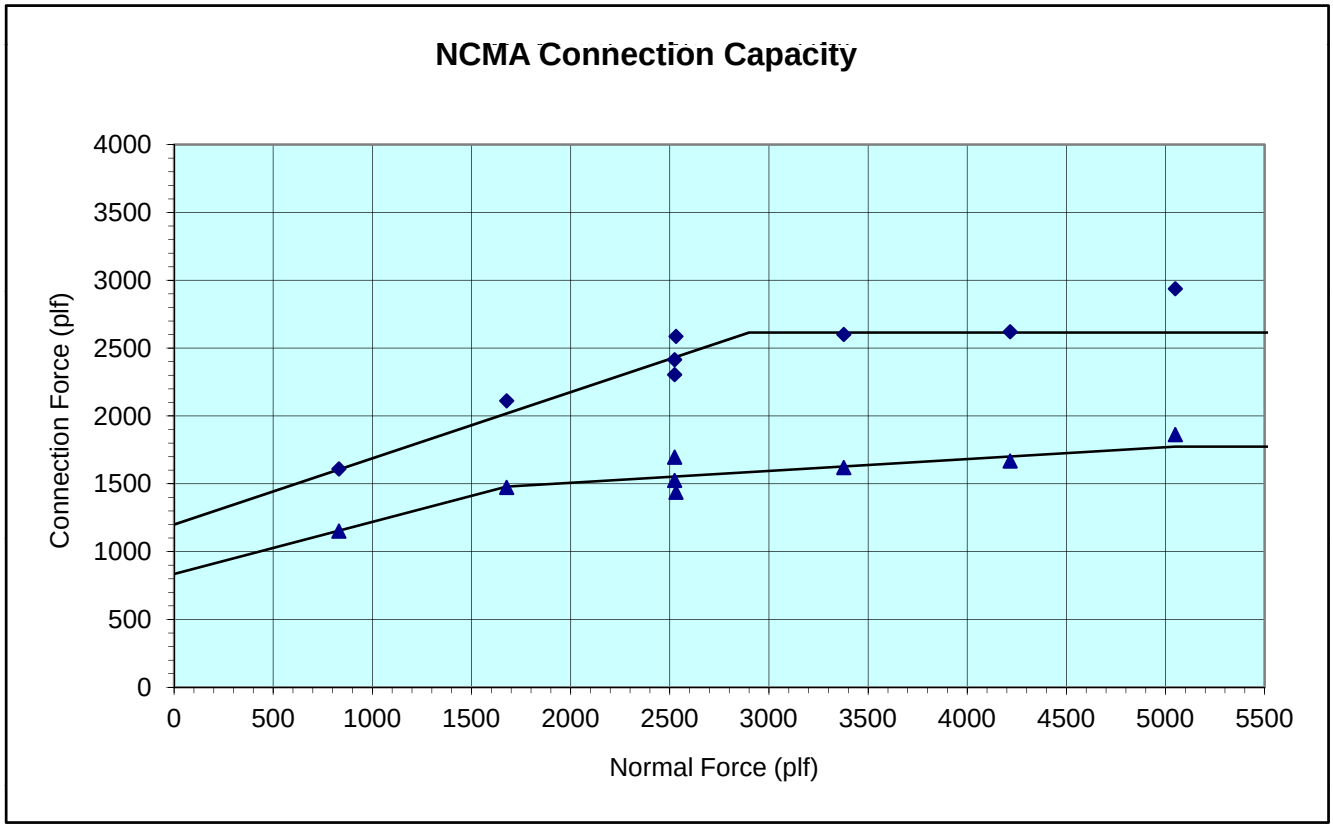
	English	Metric
Intercept (plf)	1200	17.51
Slope1	26.0	26.0
Break - Normal	2900	42.32
Slope2	0.0	0.0
Maximum (plf)	2614	38.16

3/4" Serviceability Equation Fit

Intercept (plf)	835	12.19
Slope1	21.0	21.0
Break - Normal	1677	24.47
Slope2	5.0	5.0
Maximum (plf)	1774	25.89

Laboratory Test Data

Normal Load (plf)	Peak Connection (plf)	3/4" Connection (plf)
831	1610	1152
1677	2112	1474
2524	2305	1525
2524	2415	1697
2531	2587	1438
3377	2601	1620
4216	2621	1668
5049	2938	1863



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CONNECTION EVALUATION

Keystone Unit: Standard II
Manufacturer: Stratagrid
Geogrid Type: SG500
Laboratory: BCGT 1/19/2003

Peak Connection Equation Fit

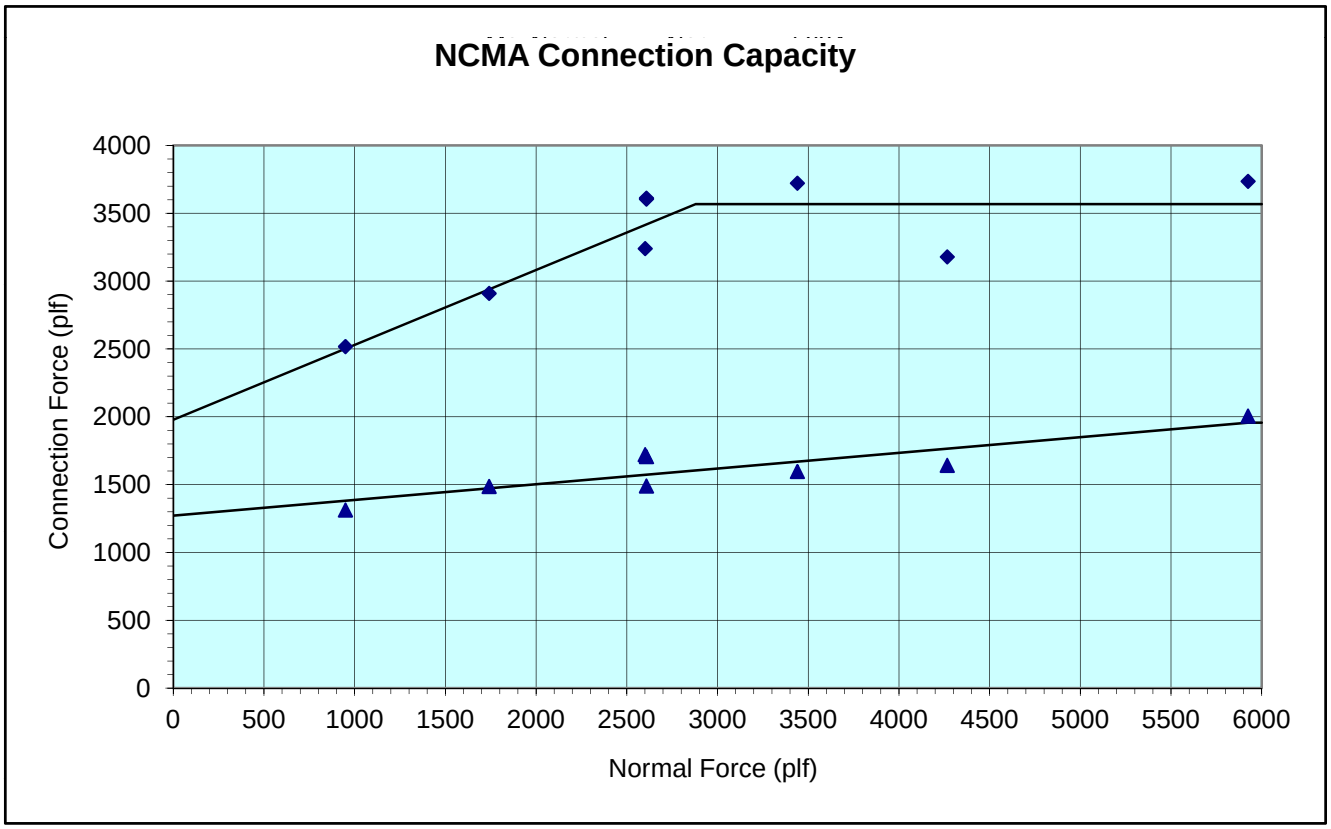
	English	Metric
Intercept (plf)	1978	28.87
Slope1	28.9	28.9
Break - Normal	2880	42.03
Slope2	0.0	0.0
Maximum (plf)	3568	52.07

3/4" Serviceability Equation Fit

Intercept (plf)	1271	18.55
Slope1	6.6	6.6
Break - Normal	5924	86.46
Slope2	0.0	0.0
Maximum (plf)	1956	28.55

Laboratory Test Data

Normal Load (plf)	Peak Connection (plf)	3/4" Connection (plf)
949	2518	1313
1741	2910	1487
2601	3240	1721
2608	3605	1490
2608	3612	1707
3440	3722	1597
4266	3179	1642
5924	3736	2006



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CONNECTION EVALUATION

Keystone Unit: Standard II
Manufacturer: Stratagrid
Geogrid Type: SG550
Laboratory: BCGT 1/12/2007

Peak Connection Equation Fit

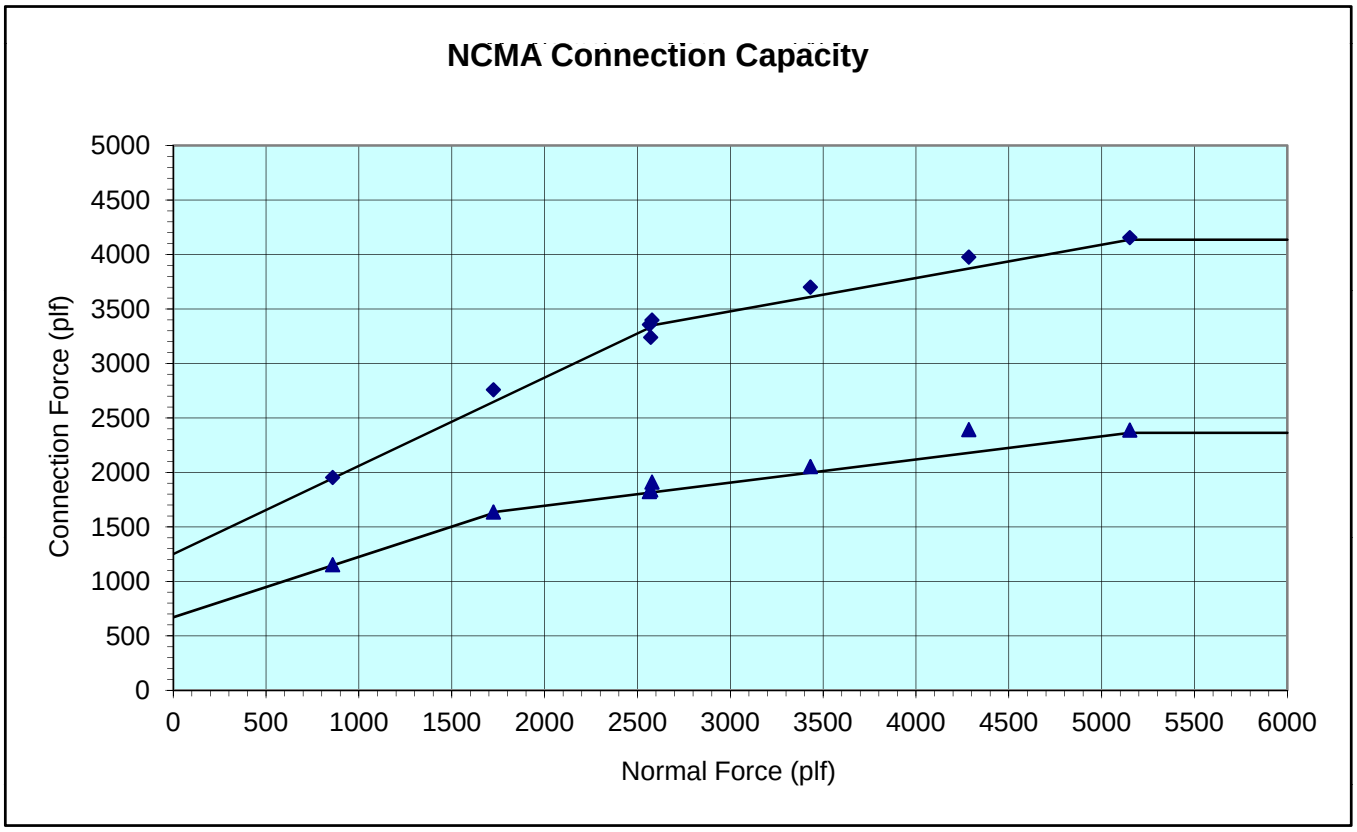
	English	Metric
Intercept (plf)	1250	18.24
Slope1	39.0	39.0
Break - Normal	2600	37.95
Slope2	17.0	17.0
Maximum (plf)	4135	60.35

3/4" Serviceability Equation Fit

Intercept (plf)	670	9.78
Slope1	29.0	29.0
Break - Normal	1750	25.54
Slope2	12.0	12.0
Maximum (plf)	2363	34.49

Laboratory Test Data

Normal Load (plf)	Peak Connection (plf)	3/4" Connection (plf)
858	1954	1153
1724	2759	1637
2564	3357	1825
2571	3240	1840
2578	3399	1911
3431	3701	2054
4284	3977	2393
5151	4156	2389



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CONNECTION EVALUATION

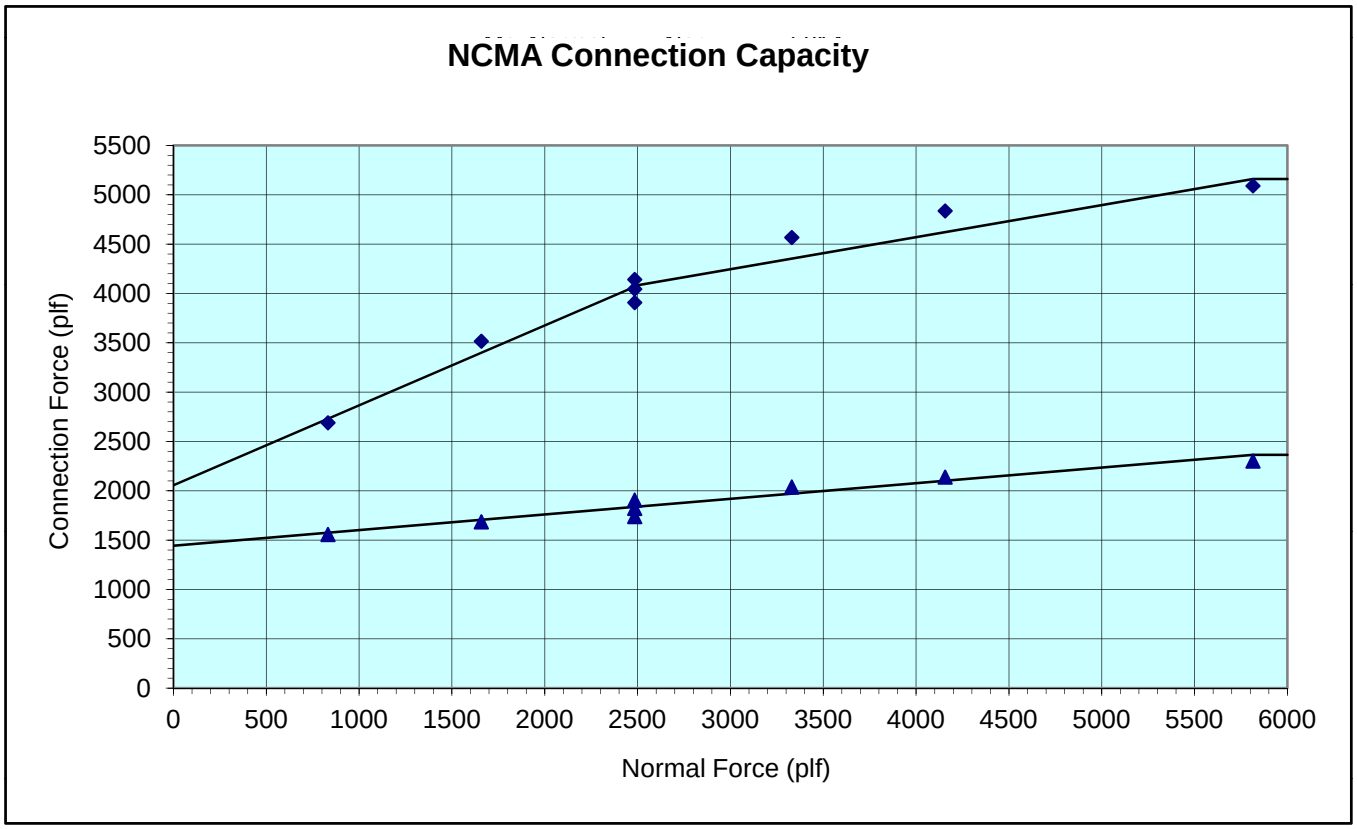
Keystone Unit: Standard II
Manufacturer: Stratagrid
Geogrid Type: SG600
Laboratory: BCGT 1/19/2003

Peak Connection Equation Fit

	English	Metric
Intercept (plf)	2056	30.01
Slope1	39.0	39.0
Break - Normal	2505	36.56
Slope2	18.0	18.0
Maximum (plf)	5160	75.30

3/4" Serviceability Equation Fit

Intercept (plf)	1443	21.06
Slope1	9.0	9.0
Break - Normal	5814	84.85
Slope2	0.0	0.0
Maximum (plf)	2364	34.50

Laboratory Test Data

Normal Load (plf)	Peak Connection (plf)	3/4" Connection (plf)
832	2690	1558
1658	3516	1686
2484	4045	1906
2484	4142	1822
2484	3908	1739
3330	4568	2039
4156	4837	2139
5814	5091	2302