

THE GUT

 NEC2 RELEASE DATED NOV 76 UPDATED AUG 77
 ERROR CORR = 01,02
 MODIFICATION = 50,51,52,53

THE GUT WELDONS HALIFAX
 SUMMARY PRINTOUT

| | SECO | CASEL | EG | ELMIN | ELLC | HV |
|---|---------|-------|-------|-------|------|------|
| | 1.000 | 18.60 | 18.70 | 14.00 | 0.00 | 0.10 |
| | 1.000 | 18.60 | 18.70 | 14.00 | 0.00 | 0.10 |
| | 1.000 | 18.60 | 18.70 | 14.00 | 0.00 | 0.10 |
| | 1.000 | 18.60 | 18.70 | 14.00 | 0.00 | 0.10 |
| | 1.000 | 18.60 | 18.70 | 14.00 | 0.00 | 0.10 |
| | 1.000 | 18.60 | 18.70 | 14.00 | 0.00 | 0.10 |
| | 1.000 | 18.60 | 18.70 | 14.00 | 0.00 | 0.10 |
| | 1.000 | 18.60 | 18.70 | 14.00 | 0.00 | 0.10 |
| | 1.000 | 18.60 | 18.70 | 14.00 | 0.00 | 0.10 |
| | 1.000 | 18.60 | 18.70 | 14.00 | 0.00 | 0.10 |
| | 1.000 | 18.60 | 18.70 | 14.00 | 0.00 | 0.10 |
| | 1.000 | 18.60 | 18.70 | 14.00 | 0.00 | 0.10 |
| * | 100.000 | 29.29 | 30.12 | 26.90 | 0.00 | 0.84 |
| * | 100.000 | 30.25 | 31.40 | 26.90 | 0.00 | 1.15 |
| * | 100.000 | 31.00 | 32.27 | 26.90 | 0.00 | 1.37 |
| * | 100.000 | 30.12 | 31.23 | 26.90 | 0.00 | 1.11 |
| * | 100.000 | 31.49 | 33.01 | 26.90 | 0.00 | 1.52 |
| * | 100.000 | 32.52 | 34.35 | 26.90 | 0.00 | 1.83 |
| * | 100.000 | 30.43 | 31.64 | 26.90 | 0.00 | 1.21 |
| * | 100.000 | 31.98 | 33.64 | 26.90 | 0.00 | 1.66 |
| * | 100.000 | 33.14 | 35.12 | 26.90 | 0.00 | 1.98 |
| * | 100.000 | 31.40 | 32.86 | 26.90 | 0.00 | 1.48 |
| * | 100.000 | 33.37 | 35.41 | 26.90 | 0.00 | 2.04 |
| * | 100.000 | 34.81 | 37.26 | 26.90 | 0.00 | 2.45 |
| | 101.000 | 29.60 | 30.19 | 26.90 | 0.00 | 0.59 |
| | 101.000 | 30.68 | 31.48 | 26.90 | 0.00 | 0.80 |
| | 101.000 | 31.53 | 32.47 | 26.90 | 0.00 | 0.94 |
| | 101.000 | 30.54 | 31.31 | 26.90 | 0.00 | 0.77 |
| | 101.000 | 32.06 | 33.12 | 26.90 | 0.00 | 1.06 |
| | 101.000 | 33.16 | 34.47 | 26.90 | 0.00 | 1.29 |
| | 101.000 | 30.89 | 31.73 | 26.90 | 0.00 | 0.84 |
| | 101.000 | 32.56 | 33.75 | 26.90 | 0.00 | 1.19 |
| | 101.000 | 33.82 | 35.25 | 26.90 | 0.00 | 1.43 |
| | 101.000 | 31.92 | 32.98 | 26.90 | 0.00 | 1.06 |
| | 101.000 | 34.09 | 35.54 | 26.90 | 0.00 | 1.45 |
| | 101.000 | 35.65 | 37.41 | 26.90 | 0.00 | 1.76 |

| SECR0 | CWSEL | EG | ELMIN | ELLC | HV |
|-----------|-------|-------|-------|------|------|
| 110.000 | 29.88 | 30.32 | 26.90 | 0.00 | 0.43 |
| 110.000 | 30.97 | 31.61 | 26.90 | 0.00 | 0.64 |
| 110.000 | 31.80 | 32.59 | 26.90 | 0.00 | 0.79 |
| 110.000 | 30.83 | 31.44 | 26.90 | 0.00 | 0.61 |
| 110.000 | 32.36 | 33.25 | 26.90 | 0.00 | 0.89 |
| 110.000 | 33.51 | 34.60 | 26.90 | 0.00 | 1.09 |
| 110.000 | 31.18 | 31.85 | 26.90 | 0.00 | 0.67 |
| 110.000 | 32.90 | 33.88 | 26.90 | 0.00 | 0.98 |
| 110.000 | 34.17 | 35.38 | 26.90 | 0.00 | 1.21 |
| 110.000 | 32.24 | 33.11 | 26.90 | 0.00 | 0.87 |
| 110.000 | 34.41 | 35.67 | 26.90 | 0.00 | 1.26 |
| 110.000 | 36.01 | 37.54 | 26.90 | 0.00 | 1.53 |
| 200.000 | 30.61 | 30.84 | 26.90 | 0.00 | 0.23 |
| 200.000 | 31.83 | 32.19 | 26.90 | 0.00 | 0.36 |
| 200.000 | 32.75 | 33.21 | 26.90 | 0.00 | 0.46 |
| 200.000 | 31.67 | 32.01 | 26.90 | 0.00 | 0.34 |
| 200.000 | 33.35 | 33.88 | 26.90 | 0.00 | 0.53 |
| 200.000 | 34.58 | 35.25 | 26.90 | 0.00 | 0.67 |
| 200.000 | 32.06 | 32.44 | 26.90 | 0.00 | 0.38 |
| 200.000 | 33.93 | 34.52 | 26.90 | 0.00 | 0.59 |
| 200.000 | 35.29 | 36.05 | 26.90 | 0.00 | 0.76 |
| 200.000 | 33.22 | 33.73 | 26.90 | 0.00 | 0.51 |
| 200.000 | 35.55 | 36.34 | 26.90 | 0.00 | 0.79 |
| 200.000 | 37.23 | 38.24 | 26.90 | 0.00 | 1.01 |
| * 240.000 | 31.88 | 32.74 | 28.90 | 0.00 | 0.86 |
| * 240.000 | 32.88 | 34.00 | 28.90 | 0.00 | 1.12 |
| * 240.000 | 33.62 | 34.94 | 28.90 | 0.00 | 1.32 |
| * 240.000 | 32.75 | 33.84 | 28.90 | 0.00 | 1.09 |
| * 240.000 | 34.11 | 35.55 | 28.90 | 0.00 | 1.44 |
| * 240.000 | 35.09 | 36.79 | 28.90 | 0.00 | 1.70 |
| * 240.000 | 33.07 | 34.24 | 28.90 | 0.00 | 1.17 |
| * 240.000 | 34.57 | 36.13 | 28.90 | 0.00 | 1.56 |
| * 240.000 | 35.86 | 37.50 | 28.90 | 0.00 | 1.84 |
| * 240.000 | 34.00 | 35.42 | 28.90 | 0.00 | 1.41 |
| * 240.000 | 35.87 | 37.76 | 28.90 | 0.00 | 1.90 |
| * 240.000 | 37.21 | 39.45 | 28.90 | 0.00 | 2.24 |
| * 290.000 | 33.79 | 34.50 | 31.20 | 0.00 | 0.71 |
| * 290.000 | 34.60 | 35.57 | 31.20 | 0.00 | 0.97 |
| * 290.000 | 35.22 | 36.39 | 31.20 | 0.00 | 1.17 |
| * 290.000 | 34.49 | 35.43 | 31.20 | 0.00 | 0.94 |
| * 290.000 | 35.83 | 36.94 | 31.20 | 0.00 | 1.31 |
| * 290.000 | 36.50 | 38.08 | 31.20 | 0.00 | 1.59 |
| * 290.000 | 34.75 | 35.77 | 31.20 | 0.00 | 1.02 |
| * 290.000 | 36.03 | 37.47 | 31.20 | 0.00 | 1.44 |
| * 290.000 | 37.01 | 38.76 | 31.20 | 0.00 | 1.74 |
| * 290.000 | 35.54 | 36.82 | 31.20 | 0.00 | 1.28 |
| * 290.000 | 37.20 | 39.00 | 31.20 | 0.00 | 1.80 |
| * 290.000 | 38.45 | 40.83 | 31.20 | 0.00 | 2.18 |

| SECNO | CWSEL | EG | ELMIN | ELLC | HV |
|-----------|-------|-------|-------|-------|------|
| 310.000 | 35.35 | 35.46 | 31.20 | 52.20 | 0.13 |
| * 310.000 | 35.11 | 35.70 | 31.20 | 52.20 | 0.59 |
| * 310.000 | 36.02 | 36.64 | 31.20 | 52.20 | 0.62 |
| * 310.000 | 34.96 | 35.54 | 31.20 | 52.20 | 0.58 |
| * 310.000 | 36.61 | 37.27 | 31.20 | 52.20 | 0.66 |
| * 310.000 | 37.84 | 38.57 | 31.20 | 52.20 | 0.73 |
| * 310.000 | 35.34 | 35.53 | 31.20 | 52.20 | 0.59 |
| * 310.000 | 37.19 | 37.88 | 31.20 | 52.20 | 0.69 |
| * 310.000 | 36.55 | 37.33 | 31.20 | 52.20 | 0.78 |
| * 310.000 | 36.48 | 37.13 | 31.20 | 52.20 | 0.65 |
| * 310.000 | 38.81 | 39.61 | 31.20 | 52.20 | 0.80 |
| * 310.000 | 40.50 | 41.46 | 31.20 | 52.20 | 0.96 |
| 360.000 | 35.52 | 35.61 | 31.70 | 0.00 | 0.09 |
| 360.000 | 35.91 | 36.14 | 31.70 | 0.00 | 0.22 |
| 360.000 | 36.75 | 37.01 | 31.70 | 0.00 | 0.26 |
| 360.000 | 35.76 | 35.99 | 31.70 | 0.00 | 0.22 |
| 360.000 | 37.53 | 37.61 | 31.70 | 0.00 | 0.29 |
| 360.000 | 38.55 | 38.89 | 31.70 | 0.00 | 0.34 |
| 360.000 | 36.11 | 36.35 | 31.70 | 0.00 | 0.23 |
| 360.000 | 37.90 | 38.21 | 31.70 | 0.00 | 0.31 |
| 360.000 | 39.26 | 39.64 | 31.70 | 0.00 | 0.36 |
| 360.000 | 37.20 | 37.48 | 31.70 | 0.00 | 0.28 |
| 360.000 | 39.52 | 39.92 | 31.70 | 0.00 | 0.40 |
| 360.000 | 41.26 | 41.75 | 31.70 | 0.00 | 0.49 |
| 800.000 | 36.56 | 36.63 | 32.60 | 0.00 | 0.08 |
| 800.000 | 37.54 | 37.67 | 32.60 | 0.00 | 0.13 |
| 800.000 | 38.32 | 38.49 | 32.60 | 0.00 | 0.17 |
| 800.000 | 37.41 | 37.53 | 32.60 | 0.00 | 0.12 |
| 800.000 | 38.86 | 39.06 | 32.60 | 0.00 | 0.20 |
| 800.000 | 40.02 | 40.29 | 32.60 | 0.00 | 0.27 |
| 800.000 | 37.73 | 37.87 | 32.60 | 0.00 | 0.14 |
| 800.000 | 39.40 | 39.63 | 32.60 | 0.00 | 0.23 |
| 800.000 | 40.72 | 41.02 | 32.60 | 0.00 | 0.31 |
| 800.000 | 38.74 | 38.94 | 32.60 | 0.00 | 0.20 |
| 800.000 | 40.97 | 41.20 | 32.60 | 0.00 | 0.32 |
| 800.000 | 42.70 | 43.11 | 32.60 | 0.00 | 0.41 |
| 2200.000 | 39.60 | 39.92 | 35.90 | 0.00 | 0.12 |
| 2200.000 | 41.11 | 41.29 | 35.90 | 0.00 | 0.18 |
| 2200.000 | 42.09 | 42.21 | 35.90 | 0.00 | 0.23 |
| 2200.000 | 40.94 | 41.11 | 35.90 | 0.00 | 0.17 |
| 2200.000 | 42.72 | 42.98 | 35.90 | 0.00 | 0.26 |
| 2200.000 | 44.03 | 44.36 | 35.90 | 0.00 | 0.33 |
| 2200.000 | 41.35 | 41.54 | 35.90 | 0.00 | 0.19 |
| 2200.000 | 43.34 | 43.63 | 35.90 | 0.00 | 0.29 |
| 2200.000 | 44.78 | 45.16 | 35.90 | 0.00 | 0.38 |
| 2200.000 | 42.59 | 42.84 | 35.90 | 0.00 | 0.25 |
| 2200.000 | 45.06 | 45.45 | 35.90 | 0.00 | 0.39 |
| 2200.000 | 46.86 | 47.36 | 35.90 | 0.00 | 0.49 |

| SECNO | CKSEL | EG | ELMIN | ELLC | HV |
|----------|-------|-------|-------|------|------|
| 3280.000 | 41.23 | 41.26 | 37.70 | 0.00 | 0.03 |
| 3280.000 | 42.67 | 42.72 | 37.70 | 0.00 | 0.06 |
| 3280.000 | 43.89 | 44.00 | 37.70 | 0.00 | 0.11 |
| 3280.000 | 42.48 | 42.53 | 37.70 | 0.00 | 0.05 |
| 3280.000 | 44.56 | 44.69 | 37.70 | 0.00 | 0.13 |
| 3280.000 | 46.06 | 46.25 | 37.70 | 0.00 | 0.20 |
| 3280.000 | 42.91 | 42.97 | 37.70 | 0.00 | 0.06 |
| 3280.000 | 45.24 | 45.40 | 37.70 | 0.00 | 0.15 |
| 3280.000 | 46.69 | 47.13 | 37.70 | 0.00 | 0.24 |
| 3280.000 | 44.27 | 44.36 | 37.70 | 0.00 | 0.09 |
| 3280.000 | 47.16 | 47.40 | 37.70 | 0.00 | 0.24 |
| 3280.000 | 49.17 | 49.54 | 37.70 | 0.00 | 0.37 |
| 4500.000 | 41.95 | 41.97 | 39.50 | 0.00 | 0.02 |
| 4500.000 | 43.53 | 43.58 | 39.50 | 0.00 | 0.05 |
| 4500.000 | 44.89 | 44.95 | 39.50 | 0.00 | 0.06 |
| 4500.000 | 43.17 | 43.19 | 39.50 | 0.00 | 0.03 |
| 4500.000 | 45.52 | 45.58 | 39.50 | 0.00 | 0.06 |
| 4500.000 | 47.16 | 47.26 | 39.50 | 0.00 | 0.09 |
| 4500.000 | 43.60 | 43.63 | 39.50 | 0.00 | 0.03 |
| 4500.000 | 46.23 | 46.30 | 39.50 | 0.00 | 0.07 |
| 4500.000 | 48.06 | 48.17 | 39.50 | 0.00 | 0.11 |
| 4500.000 | 44.98 | 45.02 | 39.50 | 0.00 | 0.04 |
| 4500.000 | 48.27 | 48.37 | 39.50 | 0.00 | 0.10 |
| 4500.000 | 50.49 | 50.64 | 39.50 | 0.00 | 0.15 |
| 6160.000 | 44.39 | 44.53 | 38.40 | 0.00 | 0.14 |
| 6160.000 | 45.17 | 45.27 | 38.40 | 0.00 | 0.09 |
| 6160.000 | 46.06 | 46.12 | 38.40 | 0.00 | 0.06 |
| 6160.000 | 45.71 | 45.96 | 38.40 | 0.00 | 0.25 |
| 6160.000 | 46.98 | 47.12 | 38.40 | 0.00 | 0.14 |
| 6160.000 | 48.31 | 48.40 | 38.40 | 0.00 | 0.08 |
| 6160.000 | 46.30 | 46.60 | 38.40 | 0.00 | 0.30 |
| 6160.000 | 47.72 | 47.89 | 38.40 | 0.00 | 0.17 |
| 6160.000 | 49.21 | 49.31 | 38.40 | 0.00 | 0.10 |
| 6160.000 | 47.57 | 47.99 | 38.40 | 0.00 | 0.42 |
| 6160.000 | 49.63 | 49.83 | 38.40 | 0.00 | 0.20 |
| 6160.000 | 51.55 | 51.65 | 38.40 | 0.00 | 0.10 |
| 6230.000 | 44.53 | 44.73 | 40.50 | 0.00 | 0.19 |
| 6230.000 | 45.25 | 45.38 | 40.50 | 0.00 | 0.12 |
| 6230.000 | 46.10 | 46.18 | 40.50 | 0.00 | 0.08 |
| 6230.000 | 45.90 | 46.20 | 40.50 | 0.00 | 0.30 |
| 6230.000 | 47.07 | 47.23 | 40.50 | 0.00 | 0.17 |
| 6230.000 | 48.35 | 48.45 | 40.50 | 0.00 | 0.10 |
| 6230.000 | 46.51 | 46.86 | 40.50 | 0.00 | 0.35 |
| 6230.000 | 47.82 | 48.01 | 40.50 | 0.00 | 0.19 |
| 6230.000 | 49.25 | 49.36 | 40.50 | 0.00 | 0.11 |
| 6230.000 | 47.61 | 48.27 | 40.50 | 0.00 | 0.45 |
| 6230.000 | 49.71 | 49.93 | 40.50 | 0.00 | 0.22 |
| 6230.000 | 51.58 | 51.69 | 40.50 | 0.00 | 0.11 |

SUMMARY OF ERRORS

CAUTION SECNO= 100.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 100.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC E
 CAUTION SECNO= 100.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALA
 CAUTION SECNO= 100.000 PROFILE= 2 CRITICAL DEPTH ASSUMED