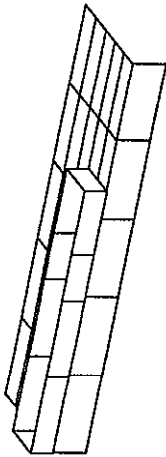


## Appendix B

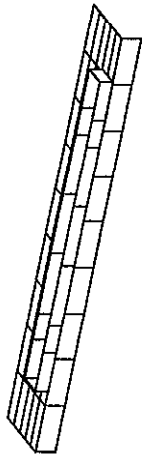
### Model Details

This appendix contains:

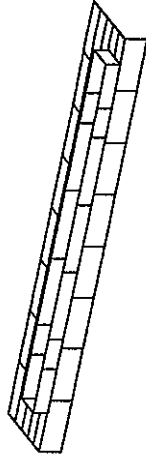
Item	Description	Page
B-02	Figures: All Model Contact Pairs	B-02
B-45	Input Deck: Interactive Case - Steady State	B-45
B-47	Input Deck: Interactive Case - CASE1D	B-47
B-49	Input Deck - Test Case - NoPreload_A	B-49
B-51	Input Deck - Test Case - Post Analysis - NoPreload_A	B-51
B-53	Differences: Test Case - NoPreload_a VS NoPreload_B	B-53
B-55	Input Deck - Test Case - BigHoles_A - No Preload	B-55
B-57	Input Deck - Test Case - BigHoles_A - Preload	B-57
B-59	Differences - Test Case - NoPreload_A VS BigHoles_A	B-59



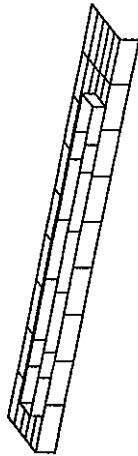
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-1: CPAIR#1;surf(elset): ECTSC1( 10918,S1)\*light;ECTCU1( 1,S1)



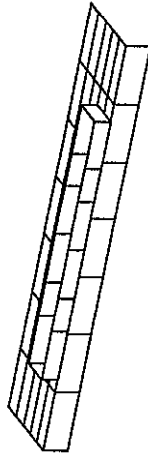
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-2: CPAIR#2;surf(elset): ECTSC2( 10942,S4)\*light;ECTC2U( 59,S1)



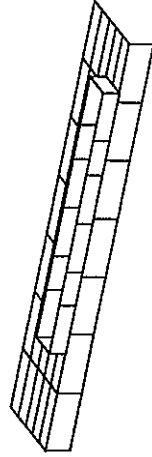
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-3: CPAIR#3;surf(elset): ECTSC3( 11006,S4)\*light;ECTC3U( 150,S1)



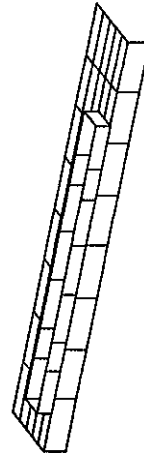
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-4: CPAIR#4;surf(elset): ECTSC4( 11062,S4)\*light;ECTC4U( 261,S1)



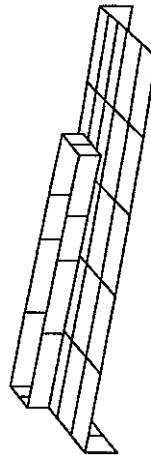
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-5: CPAIR#5;surf(elset): ECTSC5( 11118,S4)\*light;ECTC5U( 362,S1)



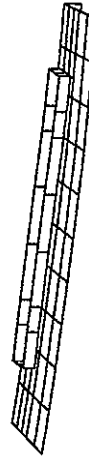
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-6: CPAIR#6;surf(elset): ECTSC6( 11158,S4)\*light;ECTC6U( 448,S1)



25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-7: CPAIR#7;surf(elset): ECTSC7( 11206,S4)\*light;ECTC7U( 534,S1)



25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-8: CPAIR#8;surf(elset): ECTSC8( 11545,S1)\*light;ECTC8U( 643,S1)



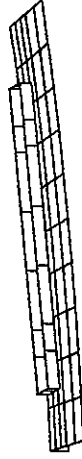
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-9: CPAIR#9;surf(elset): ECTSC9( 11551,S1)\*light;ECTC9U( 719,S1)



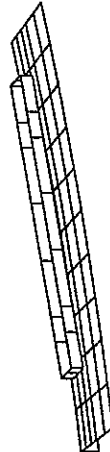
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-10: CPAIR#10:surf(elset): ECHDC3( 11567,S1)\*light;ECHC3L( 841,S1)



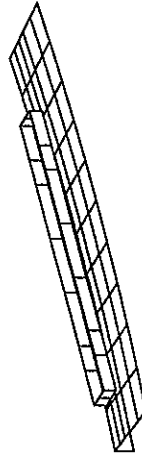
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-11: CPAIR#11:surf(elset): ECHDC4( 11583,S1)\*light;ECHC4L( 963,S1)



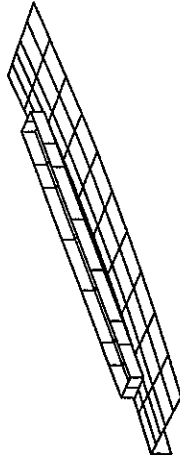
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-12: CPAIR#12:surf(elset): ECHDC5( 11601,S1)\*light;ECHC5L( 1085,S1)



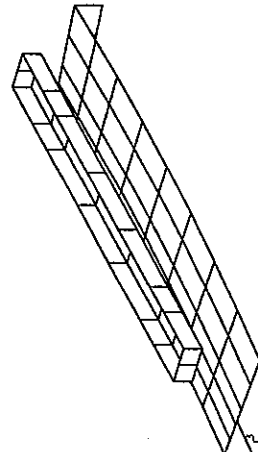
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-13: CPAIR#13:surf(elset): ECHDC6( 11617,S1)\*light;ECHC6L( 1207,S1)



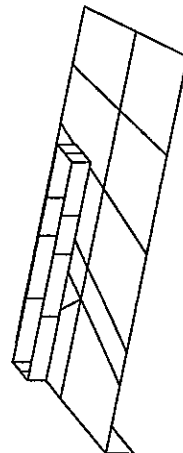
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-14: CPAIR#14:surf(elset): ECHDC7( 11635,S1)\*light;ECHC7L( 1329,S1)



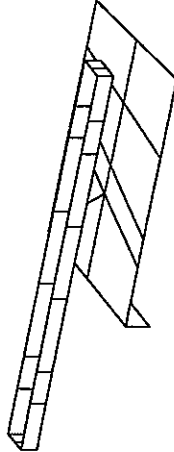
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-15: CPAIR#15:surf(elset): ECHDC8( 11651,S1)\*light;ECHC8L( 1451,S1)



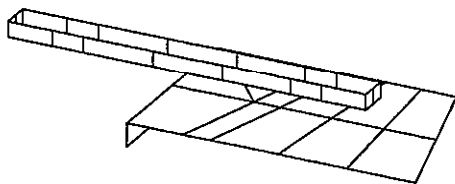
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-16: CPAIR#16:surf(elset): ECHDC9( 11667,S1)\*light;ECHC9L( 1573,S1)



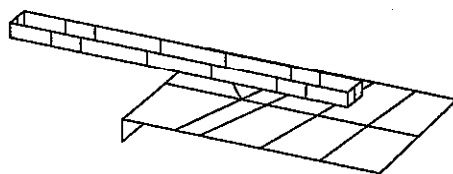
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-17: CPAIR#17:surf(elset): ECF1C1( 3794,S2)\*light;ECTC1L( 5,S1)



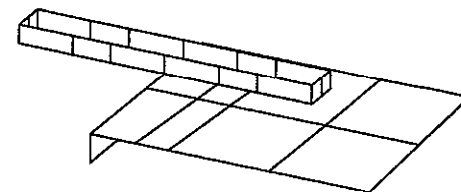
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FIG. B-18: CPAIR#18:surf(elset): ECF2C2( 4852,S2)\*light;ECTC2L( 66,S1)



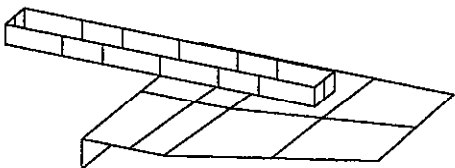
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-19: CPAIR#19;surf(elset): ECP3TC3( 5857,S2)\*light;ECTC3L( 167,S1)



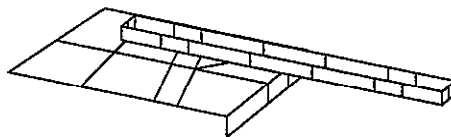
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-20: CPAIR#20;surf(elset): ECP4TC4( 6801,S2)\*light;ECTC4L( 268,S1)



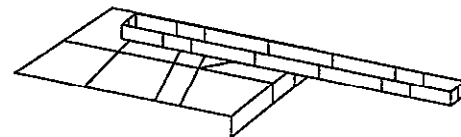
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-21: CPAIR#21;surf(elset): ECP5TC5( 7632,S2)\*light;ECTC5L( 368,S1)



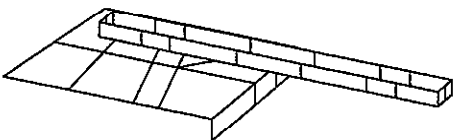
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-22: CPAIR#22;surf(elset): ECP6TC6( 8263,S2)\*light;ECTC6L( 454,S1)



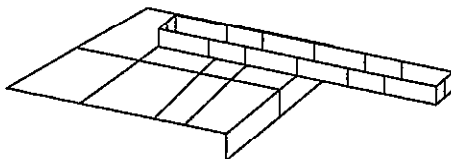
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-23: CPAIR#23;surf(elset): ECP1TC2( 4079,S2)\*light;ECTC2L( 66,S1)



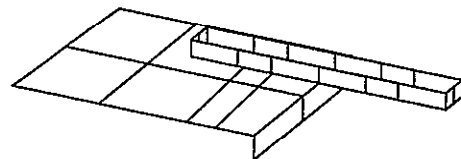
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-24: CPAIR#24;surf(elset): ECP2TC3( 5056,S2)\*light;ECTC3L( 167,S1)



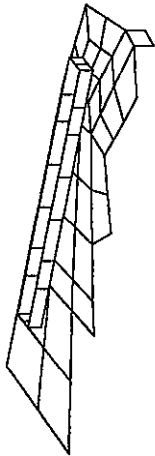
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-25: CPAIR#25;surf(elset): ECP3TC4( 6061,S2)\*light;ECTC4L( 268,S1)



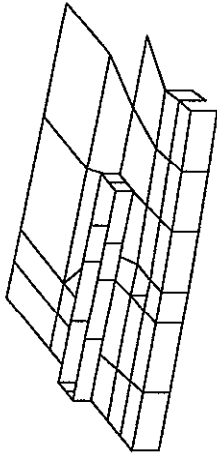
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-26: CPAIR#26;surf(elset): ECP4TC5( 6976,S2)\*light;ECTC5L( 368,S1)



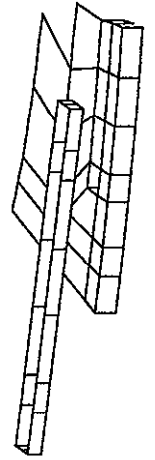
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-27: CPAIR#27;surf(elset): ECP5TC6( 7799,S2)\*light;ECTC6L( 454,S1)



25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-28: CPAIN#28:surf(elset): ECP6TC7( 8464,S2)\*light;ECHC7L( 541,S1)



25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-29: CPAIN#29:surf(elset): ECP1RC1( 3900,S2)\*light;ECHC1U( 635,S1)



25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-30: CPAIN#30:surf(elset): ECP2RC2( 5598,S2)\*light;ECHC2U( 705,S1)



25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-31: CPAIN#31:surf(elset): ECP3RC3( 6599,S2)\*light;ECHC3U( 827,S1)



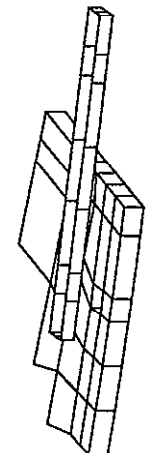
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-32: CPAIN#32:surf(elset): ECP4RC4( 7411,S1)\*light;ECHC4U( 949,S1)



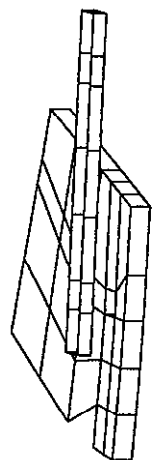
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-33: CPAIN#33:surf(elset): ECP5RC5( 7698,S2)\*light;ECHC5U( 1071,S1)



25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-34: CPAIN#34:surf(elset): ECP6RC6( 8305,S1)\*light;ECHC6U( 1193,S1)

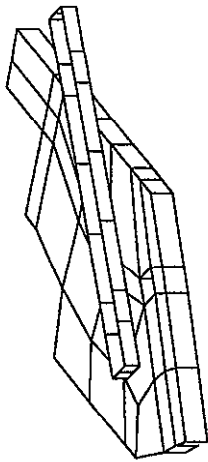


25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-35: CPAIN#35:surf(elset): ECP1RC7( 4372,S2)\*light;ECHC7U( 705,S1)

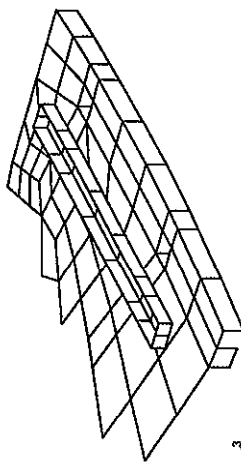


25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-36: CPAIN#36:surf(elset): ECP2RC3( 5642,S2)\*light;ECHC3U( 827,S1)

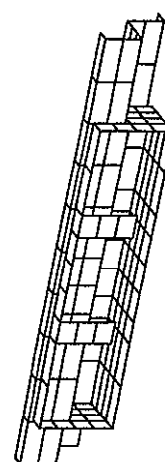
B-5



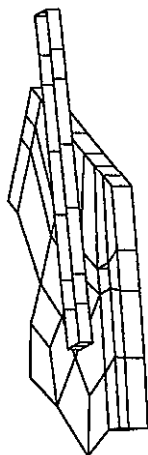
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-39: CPAIR#39:surf(elset): ECP5HC6( 7840,S2)\*light;ECP6CU( 1139,S1)



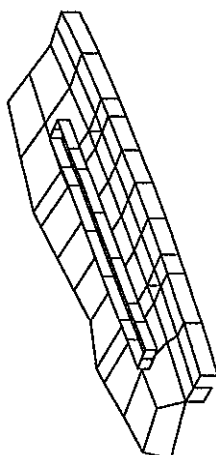
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-42: CPAIR#42:surf(elset): ECP6HC9( 8517,S2)\*light;ECP8CU( 1559,S1)



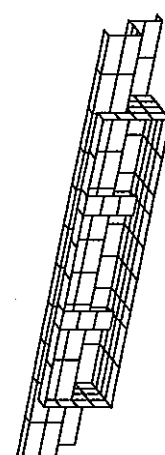
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-45: CPAIR#45:surf(elset): ECTSP3( 11031,S5)\*light;ECP3TS( 5820,S1)



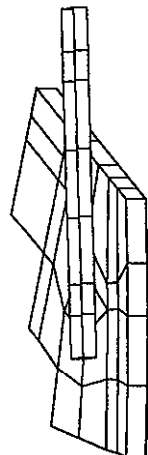
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-38: CPAIR#38:surf(elset): ECP4HC5( 7031,S1)\*light;ECP6CU( 1071,S1)



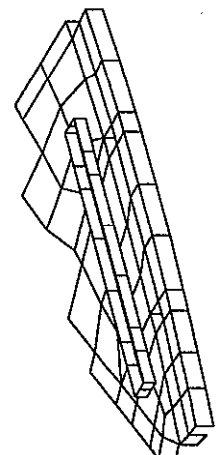
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-41: CPAIR#41:surf(elset): ECP6HC8( 8596,S2)\*light;ECP6CU( 1437,S1)



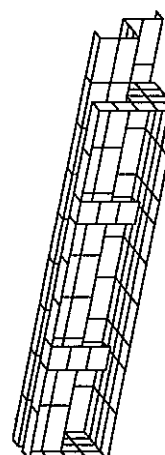
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-44: CPAIR#44:surf(elset): ECTSP2( 10967,S5)\*light;ECP2TS( 4815,S1)



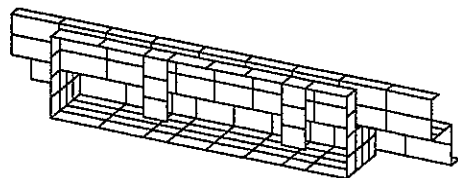
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-37: CPAIR#37:surf(elset): ECP3HC4( 6128,S2)\*light;ECP6CU( 949,S1)



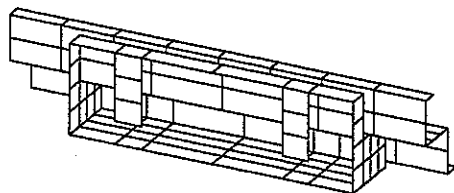
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-40: CPAIR#40:surf(elset): ECP6HC7( 8356,S1)\*light;ECP6CU( 1315,S1)



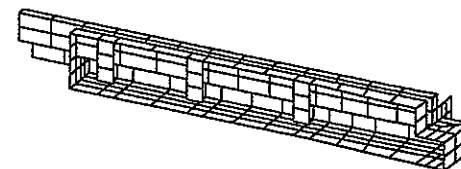
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-43: CPAIR#43:surf(elset): ECTSP1( 10919,S1)\*light;ECP1TS( 3757,S1)



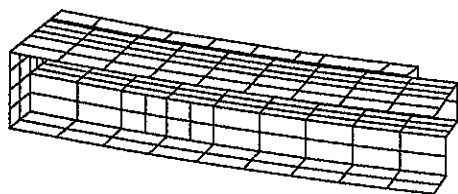
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-46: CPAIR#46;surf(elset): ECTSP4( 11087,S5)\*light;ECP4TS( 6764,S1)



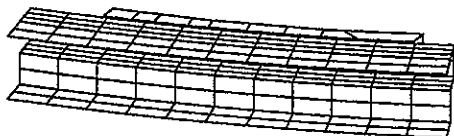
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-47: CPAIR#47;surf(elset): ECTSP5( 11135,S5)\*light;ECP5TS( 7609,S1)



25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-48: CPAIR#48;surf(elset): ECTSP6( 11175,S5)\*light;ECP6TS( 8240,S1)



25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-49: CPAIR#49;surf(elset): ECHDP1( 11545,S1)\*light;ECP1HD( 4725,S1)



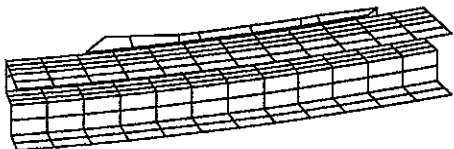
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-50: CPAIR#50;surf(elset): ECHDP2( 11557,S1)\*light;ECP2HD( 5730,S1)



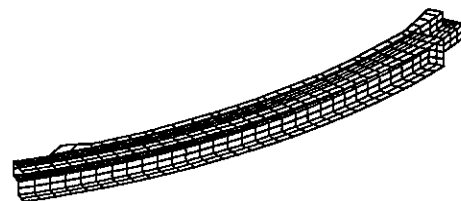
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-51: CPAIR#51;surf(elset): ECHDP3( 11573,S1)\*light;ECP3HD( 6694,S1)



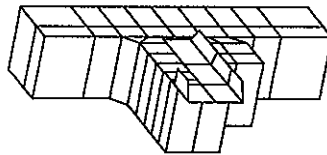
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-52: CPAIR#52;surf(elset): ECHDP4( 11589,S1)\*light;ECP4HD( 7539,S1)



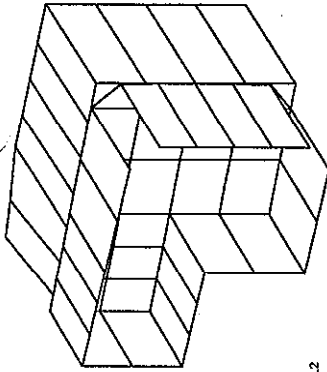
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-53: CPAIR#53;surf(elset): ECHDP5( 11605,S1)\*light;ECP5HD( 8170,S1)



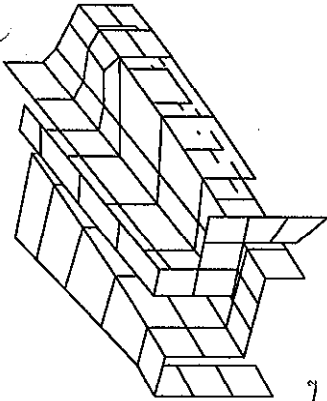
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-54: CPAIR#54;surf(elset): ECHDP6( 11621,S1)\*light;ECP6HD( 8406,S1)



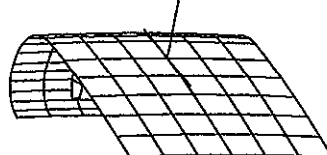
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-55: CPAIR#55:surf(elset): ECISEP( 9608, S2)\*light:ECFPTS( 14800, S1)



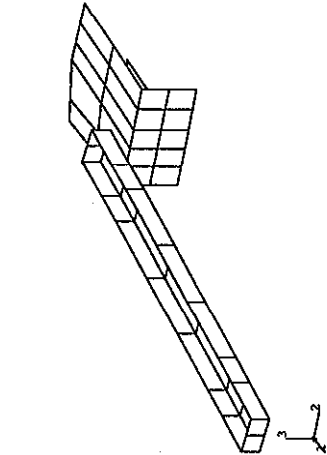
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-56: CPAIR#56:surf(elset): ECEDEF( 12757, S2)\*light:ECFED( 14815, S1)



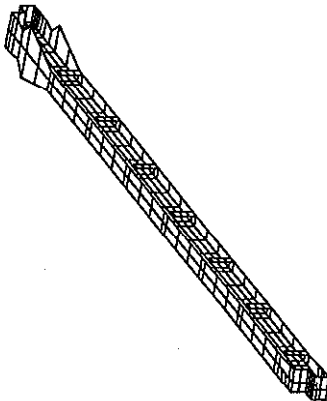
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-57: CPAIR#57:surf(elset): ECFEP( 8408, S5)\*light:ECFEP( 14800, S1)



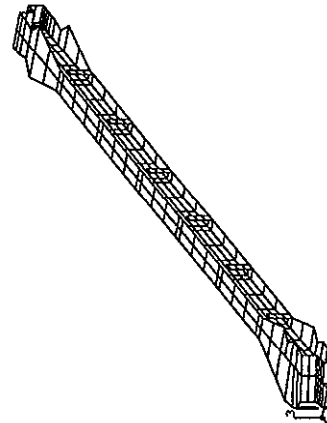
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-58: CPAIR#58:surf(elset): EQPCBP( 18529, SPOS)\*light:ECFPNV( 14789, S1)



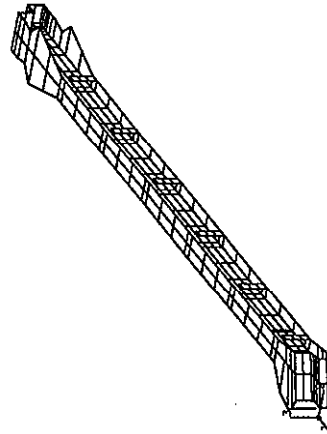
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-59: CPAIR#59:surf(elset): ECHC9L( 1573, S1)\*light:ECFEC9L( 14815, S1)



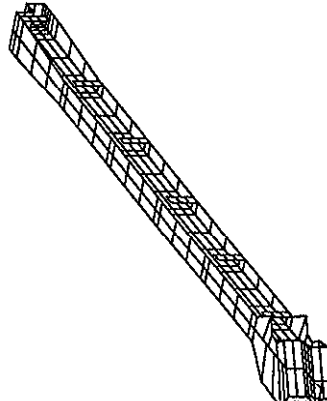
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-60: CPAIR#60:surf(elset): ECF1B( 4478, S1)\*light:ECF2A( 4815, S1)



25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-61: CPAIR#61:surf(elset): ECF2B( 5128, S1)\*light:ECF3A( 5820, S1)

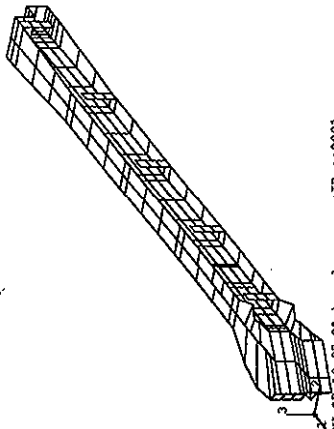


25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-62: CPAIR#62:surf(elset): ECF3B( 6133, S1)\*light:ECF4A( 6764, S1)

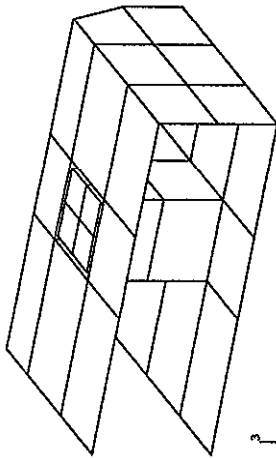


25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-63: CPAIR#63:surf(elset): ECF4B( 7032, S1)\*light:ECF5A( 7609, S1)

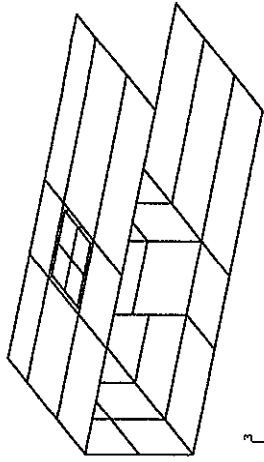




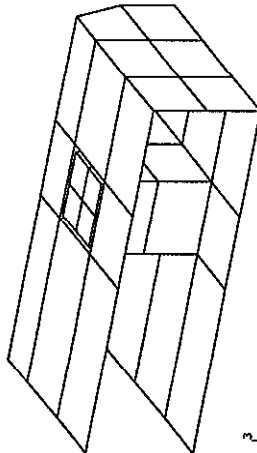
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-64: CPAIR#64:surf(elset): ECPP5B( 7842,SI)\*light;ECPP6A( 8240,SI)



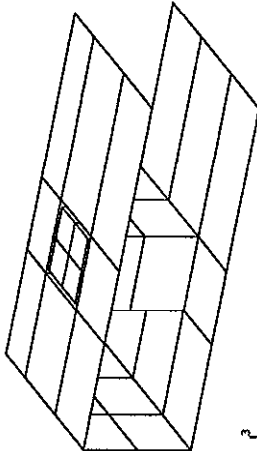
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-65: CPAIR#65:surf(elset): ECB01U( 14941,SI)\*light;ECU01( 19,SI)



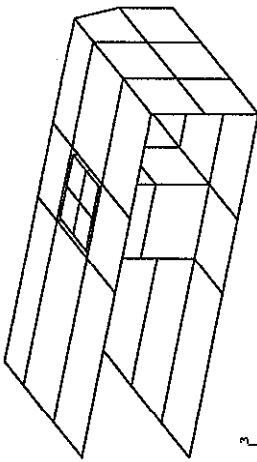
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-66: CPAIR#66:surf(elset): ECB02U( 14969,SI)\*light;ECU02( 82,SI)



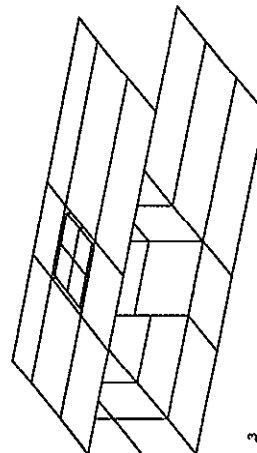
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-67: CPAIR#67:surf(elset): ECB03U( 14997,SI)\*light;ECU03( 112,SI)



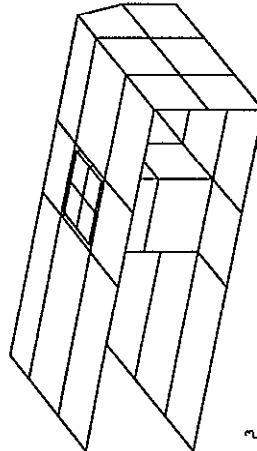
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-68: CPAIR#68:surf(elset): ECB04U( 15025,SI)\*light;ECU04( 183,SI)



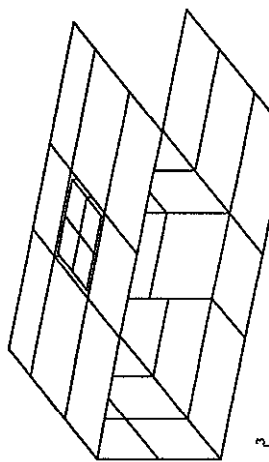
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-69: CPAIR#69:surf(elset): ECB05U( 15053,SI)\*light;ECU05( 213,SI)



25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-70: CPAIR#70:surf(elset): ECB06U( 15081,SI)\*light;ECU06( 284,SI)

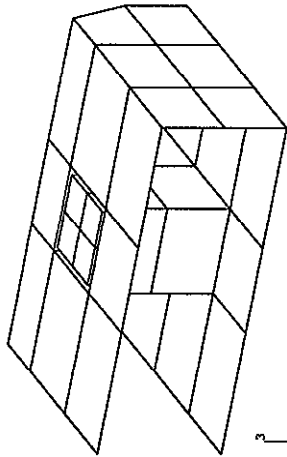


25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-71: CPAIR#71:surf(elset): ECB07U( 15109,SI)\*light;ECU07( 314,SI)

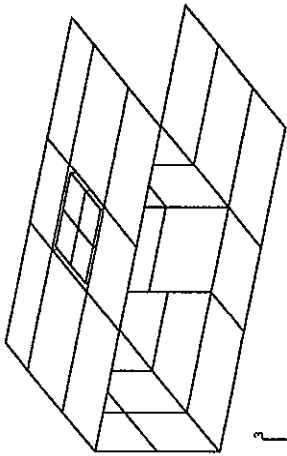


25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-72: CPAIR#72:surf(elset): ECB08U( 15137,SI)\*light;ECU08( 382,SI)

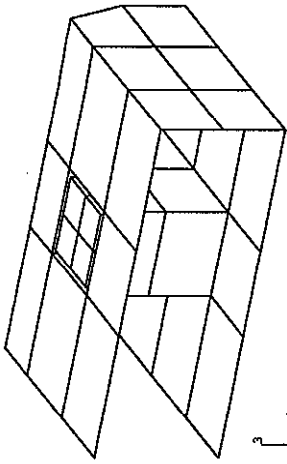
B-9



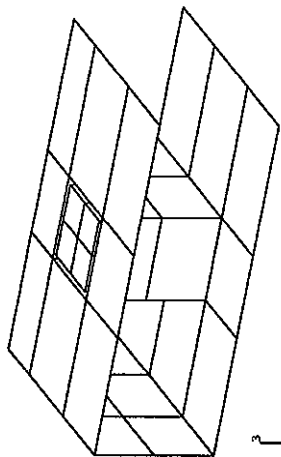
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-73: CPAIR#73:surf(elset): ECB09U( 15165,S1)\*light;ECU09( 408,S6)



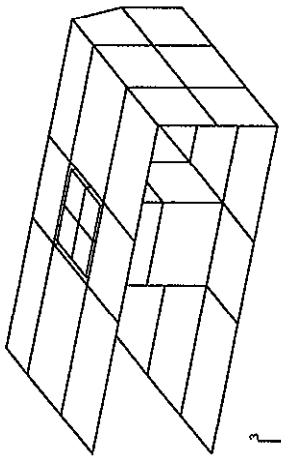
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-74: CPAIR#74:surf(elset): ECB10U( 15193,S1)\*light;ECU10( 468,S1)



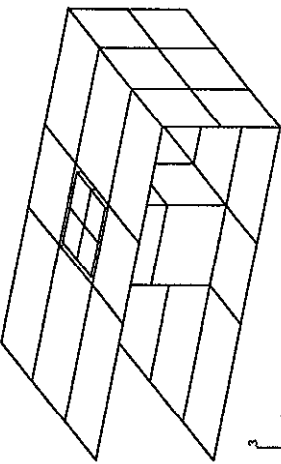
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-75: CPAIR#75:surf(elset): ECB11U( 15221,S1)\*light;ECU11( 494,S6)



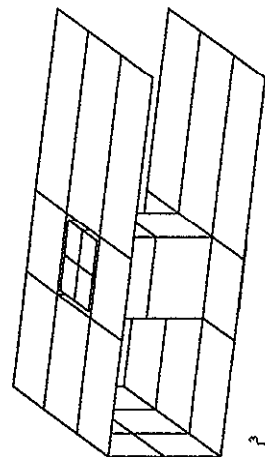
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-76: CPAIR#76:surf(elset): ECB12U( 15249,S1)\*light;ECU12( 557,S1)



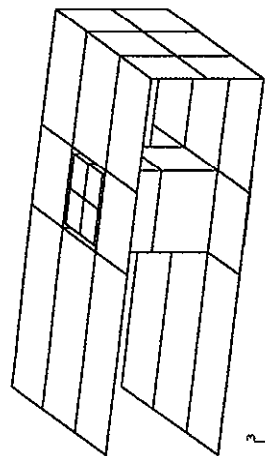
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-77: CPAIR#77:surf(elset): ECB13U( 15277,S1)\*light;ECU13( 587,S6)



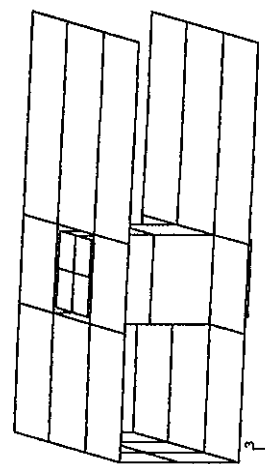
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-78: CPAIR#78:surf(elset): ECB14U( 15305,S1)\*light;ECU14( 661,S6)



25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-79: CPAIR#79:surf(elset): ECB15U( 15333,S1)\*light;ECU15( 737,S1)

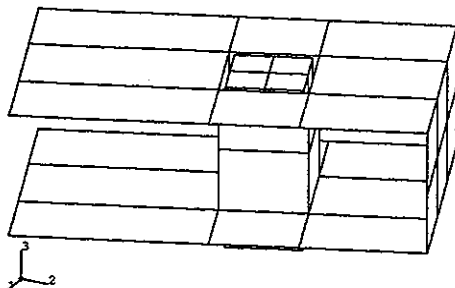


25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-80: CPAIR#80:surf(elset): ECB16U( 15361,S1)\*light;ECU16( 775,S6)

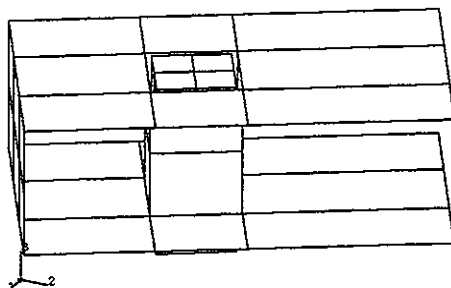


25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-81: CPAIR#81:surf(elset): ECB17U( 15389,S1)\*light;ECU17( 859,S1)

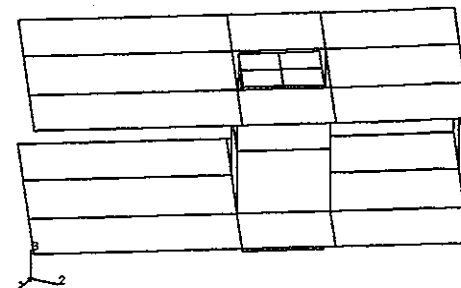
B-10



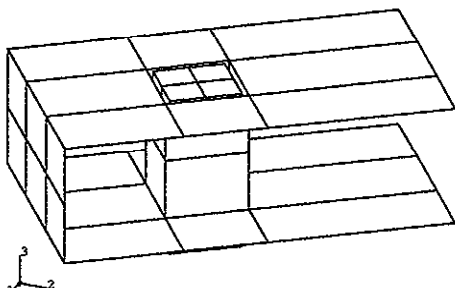
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-82: CPAIR#82;surf(elset): ECB18U( 15417,S1)\*light;ECU18( 897,S6)



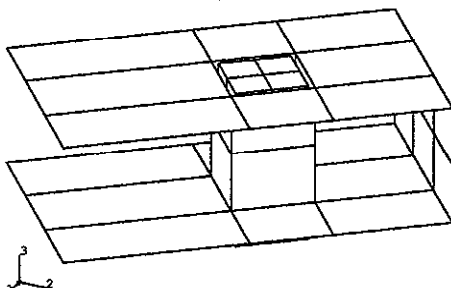
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-83: CPAIR#83;surf(elset): ECB19U( 15445,S1)\*light;ECU19( 981,S1)



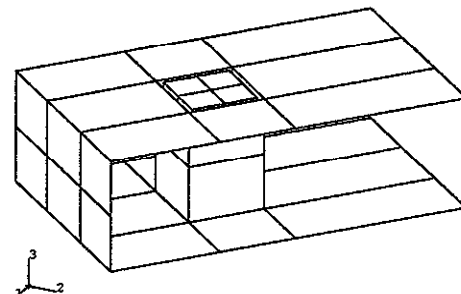
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-84: CPAIR#84;surf(elset): ECB20U( 15473,S2)\*light;ECU20( 1019,S6)



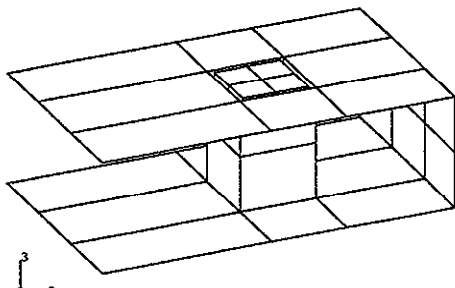
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-85: CPAIR#85;surf(elset): ECB21U( 15501,S1)\*light;ECU21( 1103,S1)



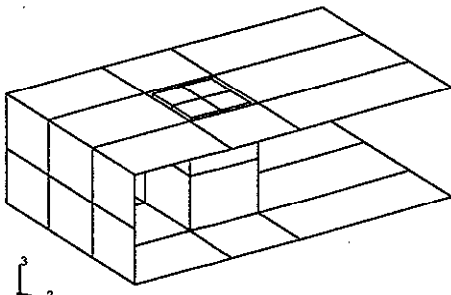
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-86: CPAIR#86;surf(elset): ECB22U( 15529,S1)\*light;ECU22( 1141,S6)



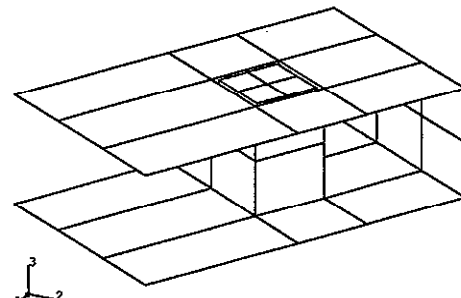
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-87: CPAIR#87;surf(elset): ECB23U( 15557,S1)\*light;ECU23( 1225,S1)



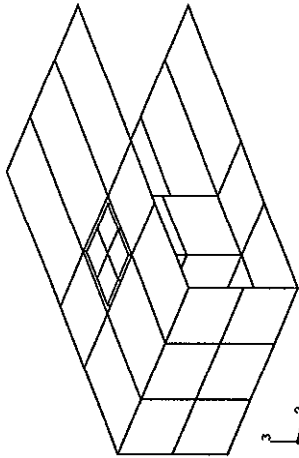
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-88: CPAIR#88;surf(elset): ECB24U( 15585,S1)\*light;ECU24( 1263,S6)



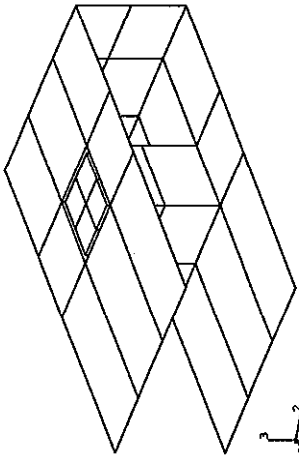
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-89: CPAIR#89;surf(elset): ECB25U( 15613,S1)\*light;ECU25( 1347,S1)



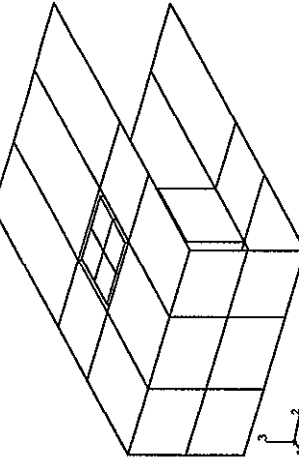
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-90: CPAIR#90;surf(elset): ECB26U( 15641,S1)\*light;ECU26( 1385,S6)



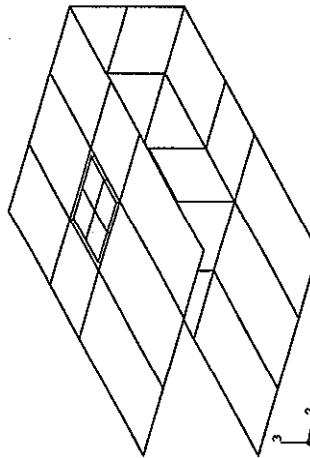
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-91: CPAIR#91;surf(elset): ECB270( 15669, S1)\*light;ECU27( 1469, S1)



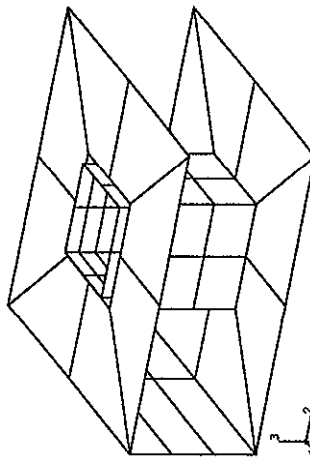
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-92: CPAIR#92;surf(elset): ECB280( 15697, S1)\*light;ECU28( 1507, S6)



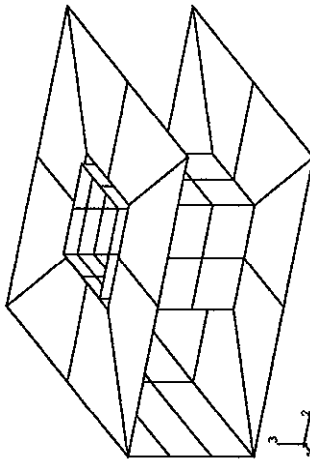
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-93: CPAIR#93;surf(elset): ECB290( 15725, S1)\*light;ECU29( 1591, S1)



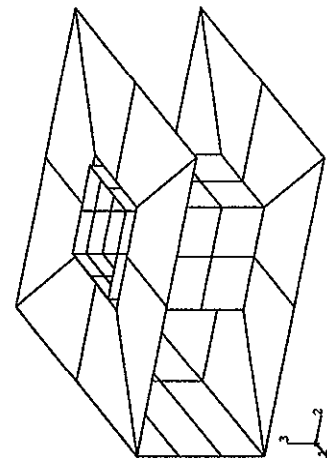
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-94: CPAIR#94;surf(elset): ECB300( 15753, S1)\*light;ECU30( 1629, S6)



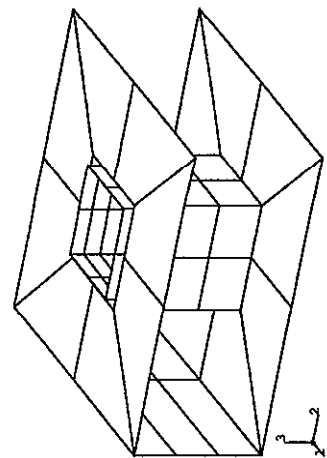
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-95: CPAIR#95;surf(elset): ECB310( 16897, S3)\*light;ECU31( 30145, S1)



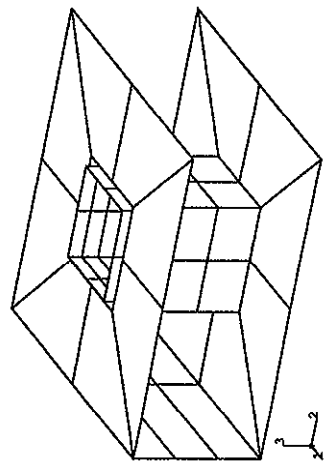
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-96: CPAIR#96;surf(elset): ECB320( 16917, S3)\*light;ECU32( 30265, S1)



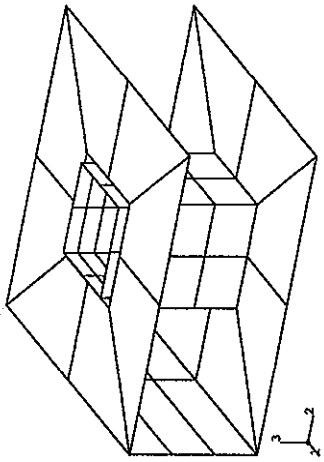
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-97: CPAIR#97;surf(elset): ECB330( 16937, S3)\*light;ECU33( 30385, S1)



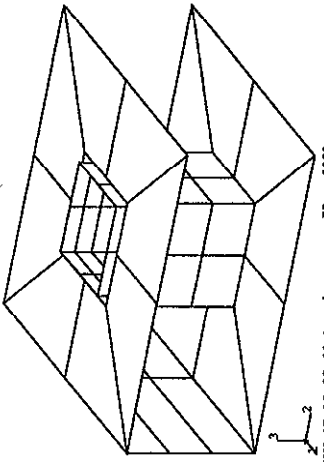
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-98: CPAIR#98;surf(elset): ECB340( 16957, S3)\*light;ECU34( 30505, S1)



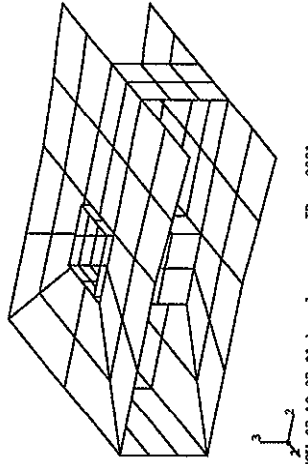
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-99: CPAIR#99;surf(elset): ECB350( 16977, S3)\*light;ECU35( 30625, S1)



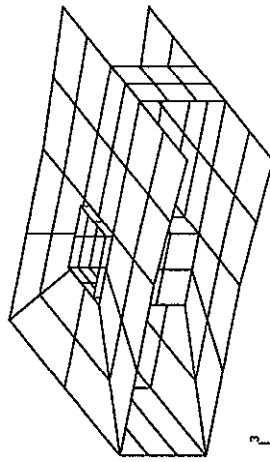
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-100: CPAIR#100:surf(elset): ECB39U( 16997, S3)\*light;ECU36( 30745, S1)



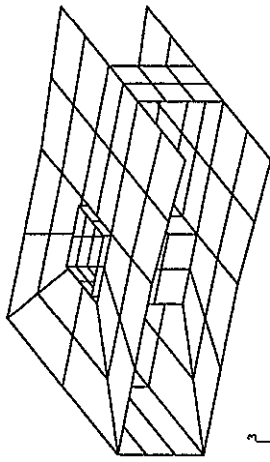
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-101: CPAIR#101:surf(elset): ECB39U( 17017, S3)\*light;ECU37( 30865, S1)



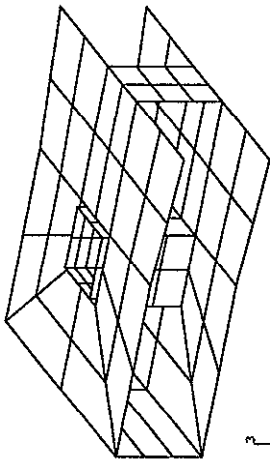
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-102: CPAIR#102:surf(elset): ECB39U( 17037, S3)\*light;ECU38( 31273, S1)



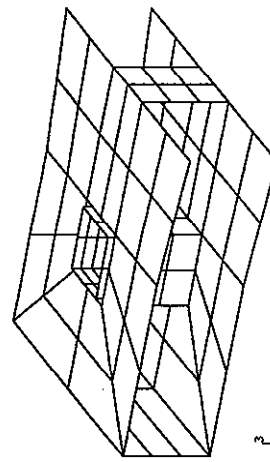
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-103: CPAIR#103:surf(elset): ECB39U( 17057, S3)\*light;ECU39( 31687, S1)



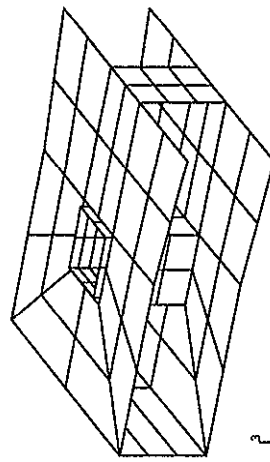
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-104: CPAIR#104:surf(elset): ECB40U( 17077, S3)\*light;ECU40( 32101, S1)



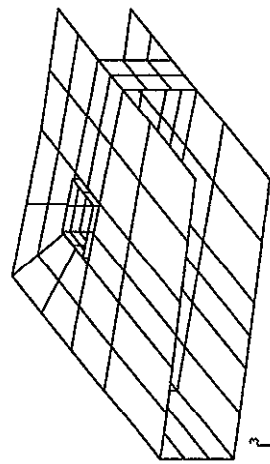
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-105: CPAIR#105:surf(elset): ECB41U( 17097, S3)\*light;ECU41( 32515, S1)



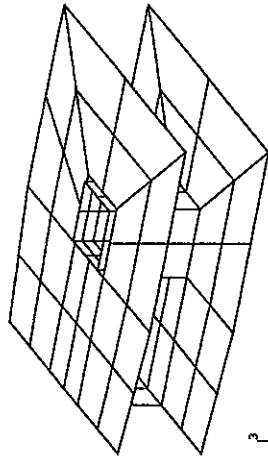
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-106: CPAIR#106:surf(elset): ECB42U( 17117, S3)\*light;ECU42( 32829, S1)



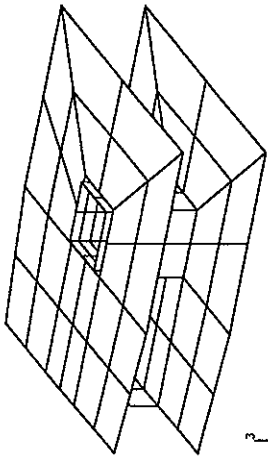
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-107: CPAIR#107:surf(elset): ECB43U( 17137, S3)\*light;ECU43( 33343, S1)



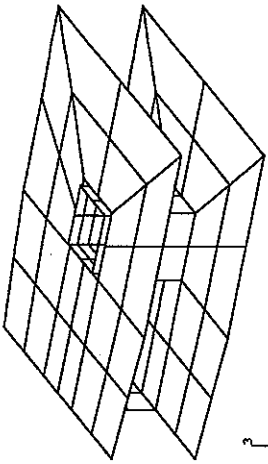
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-108: CPAIR#108:surf(elset): ECB44U( 17157, S3)\*light;ECU44( 33757, S1)



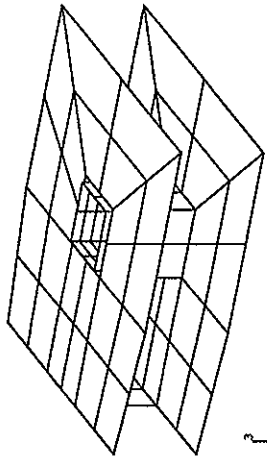
25-NOV-97 10:37:21;by plo\_con:rundID:sa0001  
FIG. B-109: CPAIR#109;surf(elset): ECB450( 17177,S3)\*light;ECU45( 31309,S1)



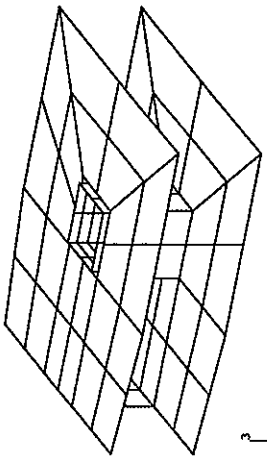
25-NOV-97 10:37:21;by plo\_con:rundID:sa0001  
FIG. B-110: CPAIR#110;surf(elset): ECB460( 17197,S3)\*light;ECU46( 31723,S1)



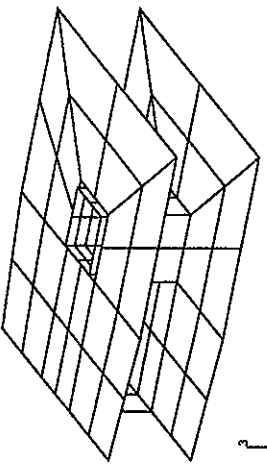
25-NOV-97 10:37:21;by plo\_con:rundID:sa0001  
FIG. B-111: CPAIR#111;surf(elset): ECB470( 17217,S3)\*light;ECU47( 32137,S1)



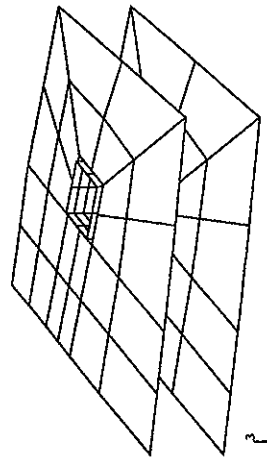
25-NOV-97 10:37:21;by plo\_con:rundID:sa0001  
FIG. B-112: CPAIR#112;surf(elset): ECB480( 17237,S3)\*light;ECU48( 32551,S1)



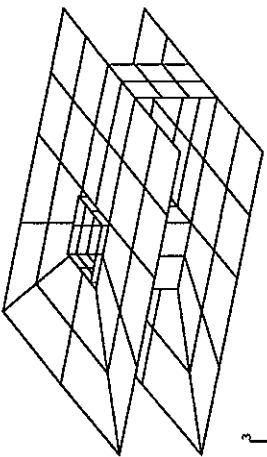
25-NOV-97 10:37:21;by plo\_con:rundID:sa0001  
FIG. B-113: CPAIR#113;surf(elset): ECB490( 17257,S3)\*light;ECU49( 32965,S1)



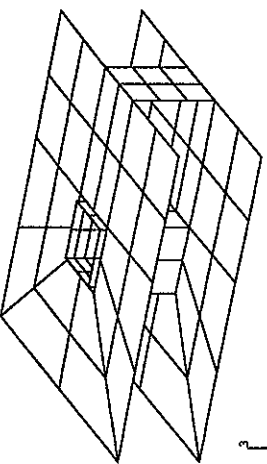
25-NOV-97 10:37:21;by plo\_con:rundID:sa0001  
FIG. B-114: CPAIR#114;surf(elset): ECB500( 17277,S3)\*light;ECU50( 33379,S1)



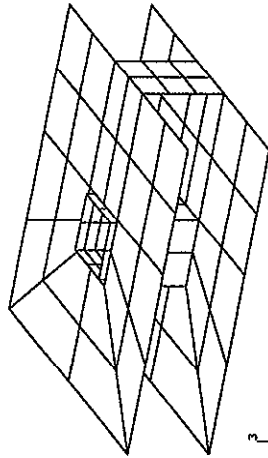
25-NOV-97 10:37:21;by plo\_con:rundID:sa0001  
FIG. B-115: CPAIR#115;surf(elset): ECB510( 17297,S3)\*light;ECU51( 33805,S1)



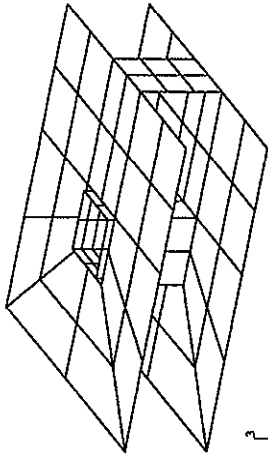
25-NOV-97 10:37:21;by plo\_con:rundID:sa0001  
FIG. B-116: CPAIR#116;surf(elset): ECB520( 17317,S3)\*light;ECU52( 31399,S1)



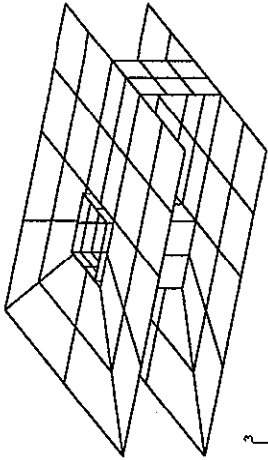
25-NOV-97 10:37:21;by plo\_con:rundID:sa0001  
FIG. B-117: CPAIR#117;surf(elset): ECB530( 17337,S3)\*light;ECU53( 31813,S1)



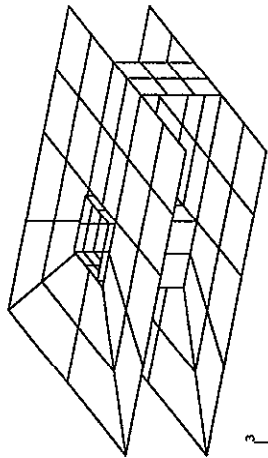
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-118: CPAIR#118:surf(elset): ECB540( 17357,S3)\*light;ECU54( 32227,S1)



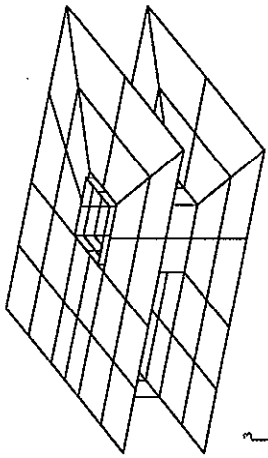
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-119: CPAIR#119:surf(elset): ECB550( 17377,S3)\*light;ECU55( 32641,S1)



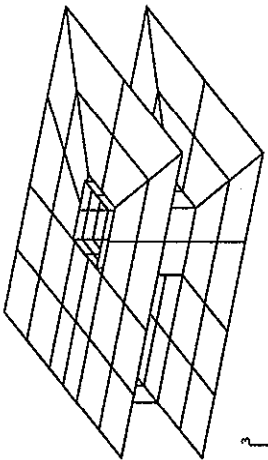
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-120: CPAIR#120:surf(elset): ECB560( 17397,S3)\*light;ECU56( 33055,S1)



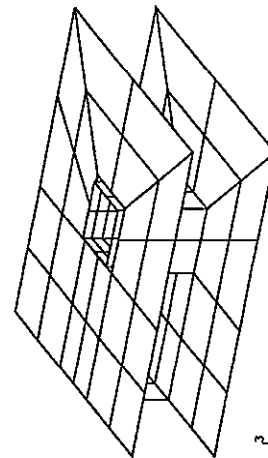
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-121: CPAIR#121:surf(elset): ECB570( 17417,S3)\*light;ECU57( 33469,S1)



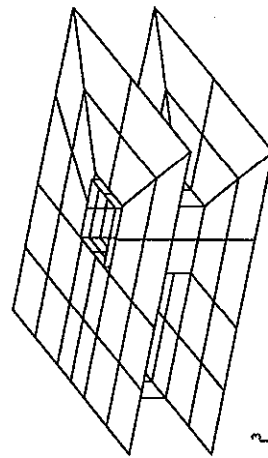
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-122: CPAIR#122:surf(elset): ECB580( 17437,S3)\*light;ECU58( 31435,S1)



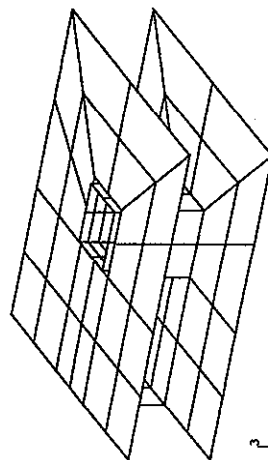
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-123: CPAIR#123:surf(elset): ECB590( 17457,S3)\*light;ECU59( 31849,S1)



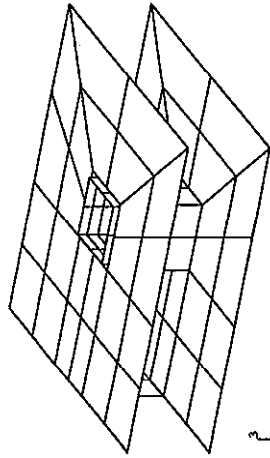
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-124: CPAIR#124:surf(elset): ECB600( 17477,S3)\*light;ECU60( 32263,S1)



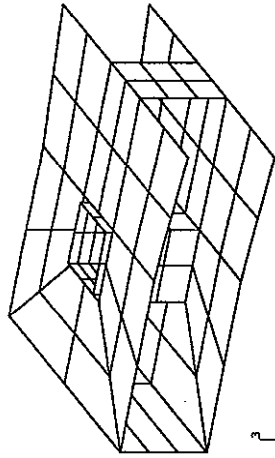
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-125: CPAIR#125:surf(elset): ECB610( 17497,S3)\*light;ECU61( 32677,S1)



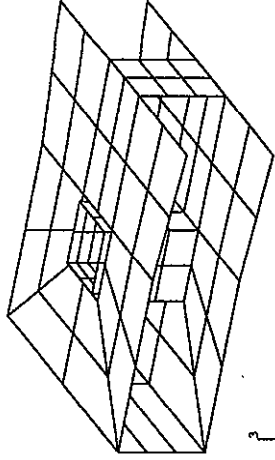
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-126: CPAIR#126:surf(elset): ECB620( 17517,S3)\*light;ECU62( 33091,S1)



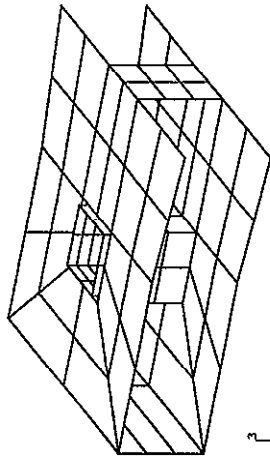
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-127: CPAIR#127:surf(elset): ECB63U( 17537,S3)\*light;ECU63( 33505,S1)



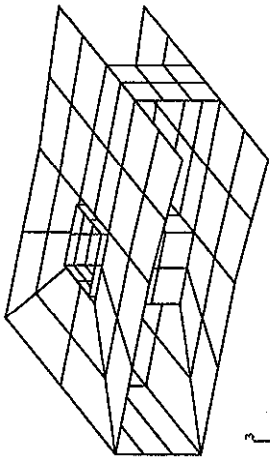
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-128: CPAIR#128:surf(elset): ECB64U( 17557,S3)\*light;ECU64( 34264,S1)



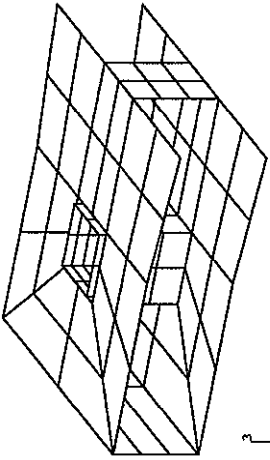
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-129: CPAIR#129:surf(elset): ECB65U( 17577,S3)\*light;ECU65( 34663,S1)



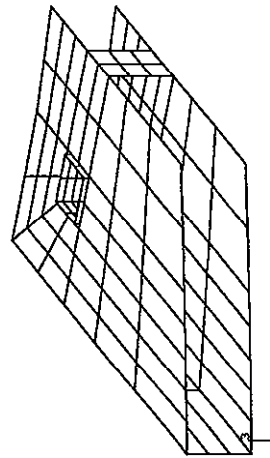
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-130: CPAIR#130:surf(elset): ECB66U( 17597,S3)\*light;ECU66( 35062,S1)



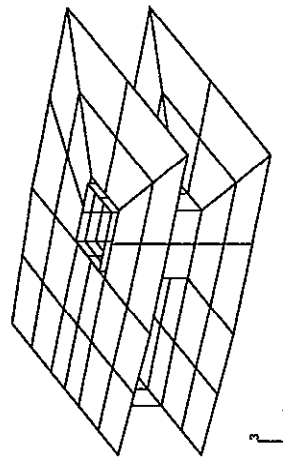
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-131: CPAIR#131:surf(elset): ECB67U( 17617,S3)\*light;ECU67( 35461,S1)



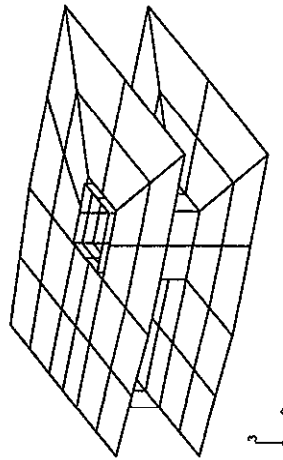
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-132: CPAIR#132:surf(elset): ECB68U( 17637,S3)\*light;ECU68( 35860,S1)



25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-133: CPAIR#133:surf(elset): ECB69U( 17657,S3)\*light;ECU69( 36159,S1)

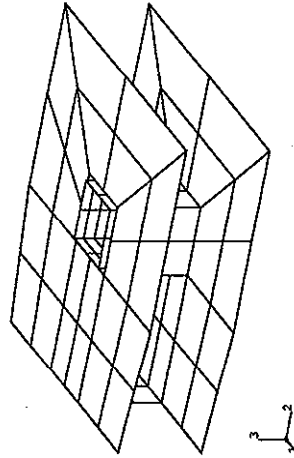


25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-134: CPAIR#134:surf(elset): ECB70U( 17677,S3)\*light;ECU70( 36300,S1)

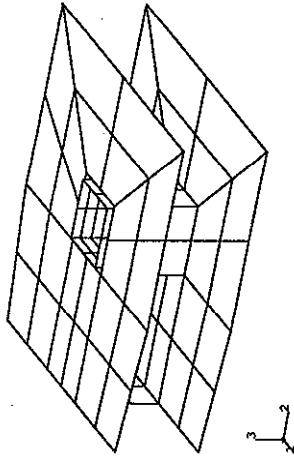


25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-135: CPAIR#135:surf(elset): ECB71U( 17697,S3)\*light;ECU71( 36699,S1)

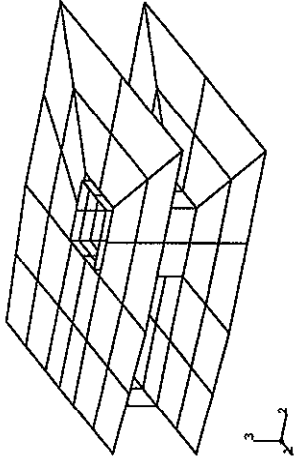




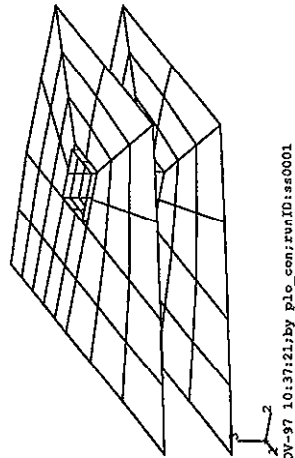
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-136: CPAIR136;surf(elset): ECB72U( 17717,S3)\*light;ECU72( 35098,S1)



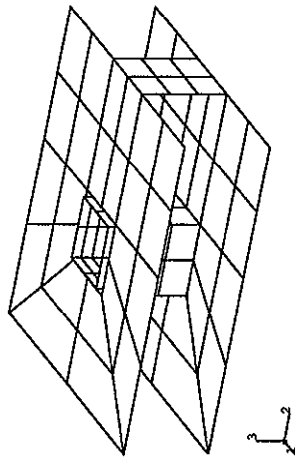
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-137: CPAIR137;surf(elset): ECB73U( 17737,S3)\*light;ECU73( 35497,S1)



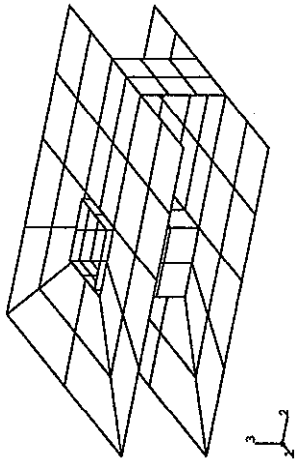
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-138: CPAIR138;surf(elset): ECB74U( 17757,S3)\*light;ECU74( 35896,S1)



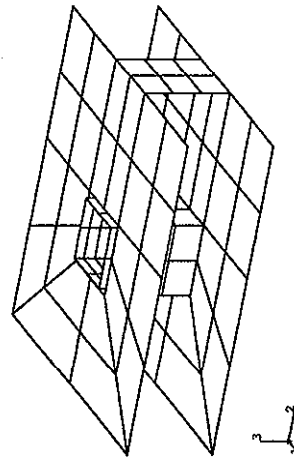
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-139: CPAIR139;surf(elset): ECB75U( 17777,S3)\*light;ECU75( 36340,S1)



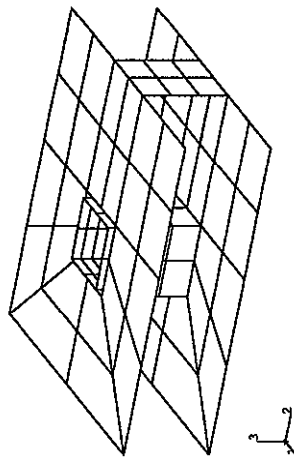
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-140: CPAIR140;surf(elset): ECB76U( 17797,S3)\*light;ECU76( 34390,S1)



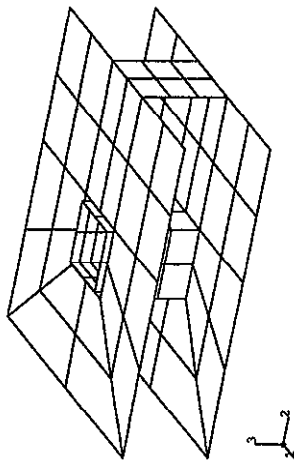
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-141: CPAIR141;surf(elset): ECB77U( 17817,S3)\*light;ECU77( 34789,S1)



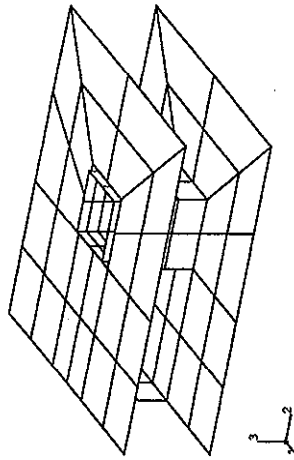
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-142: CPAIR142;surf(elset): ECB78U( 17837,S3)\*light;ECU78( 35188,S1)



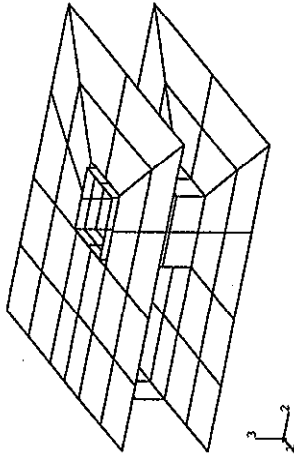
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-143: CPAIR143;surf(elset): ECB79U( 17857,S3)\*light;ECU79( 35587,S1)



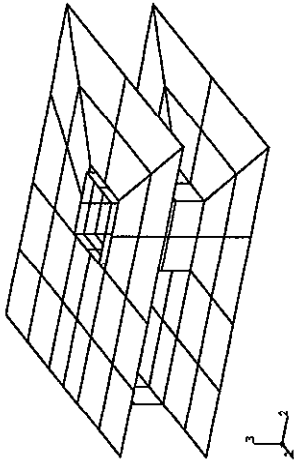
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-144: CPAIR144;surf(elset): ECB80U( 17877,S3)\*light;ECU80( 35986,S1)



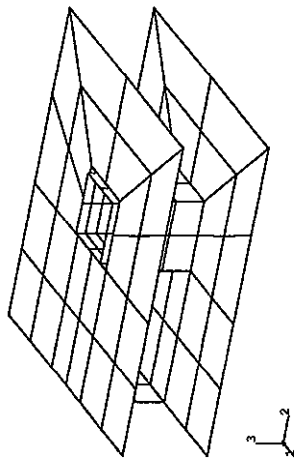
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-145: CPAIR#145;surf(elset): ECB88U( 17897,S3)\*light;ECU81( 34426,S1)



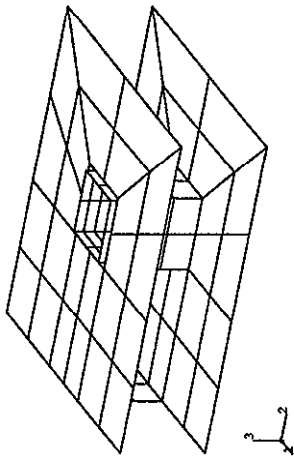
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-146: CPAIR#146;surf(elset): ECB88U( 17917,S3)\*light;ECU82( 34825,S1)



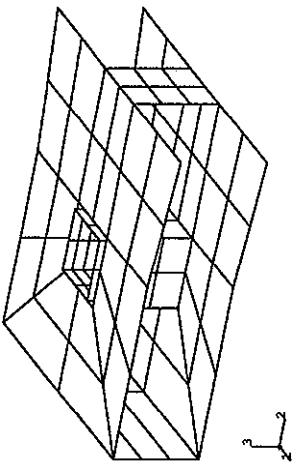
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-147: CPAIR#147;surf(elset): ECB88U( 17937,S3)\*light;ECU83( 35224,S1)



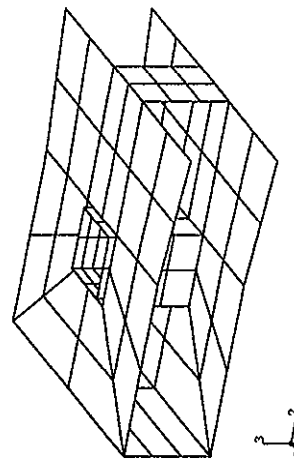
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-148: CPAIR#148;surf(elset): ECB88U( 17957,S3)\*light;ECU84( 35623,S1)



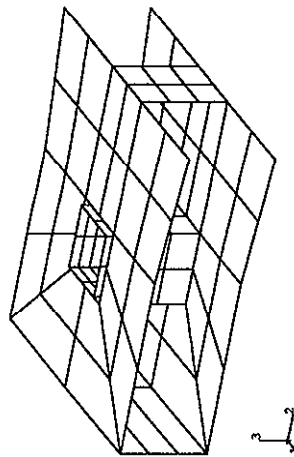
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-149: CPAIR#149;surf(elset): ECB88U( 17977,S3)\*light;ECU85( 36022,S1)



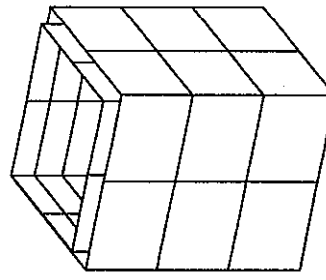
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-150: CPAIR#150;surf(elset): ECB88U( 17997,S3)\*light;ECU86( 36868,S1)



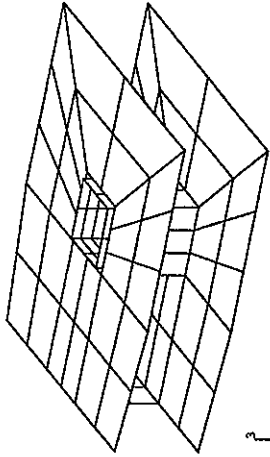
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-151: CPAIR#151;surf(elset): ECB88U( 18017,S3)\*light;ECU87( 37114,S1)



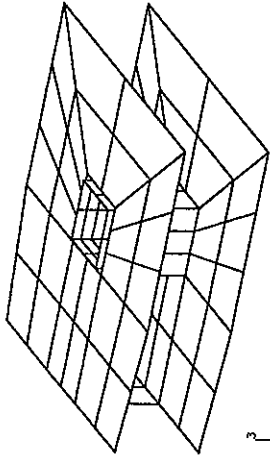
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-152: CPAIR#152;surf(elset): ECB88U( 18037,S3)\*light;ECU88( 37423,S1)



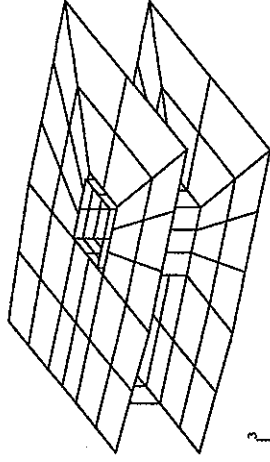
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-153: CPAIR#153;surf(elset): ECB88U( 18057,S3)\*light;ECU89( 37637,S5)



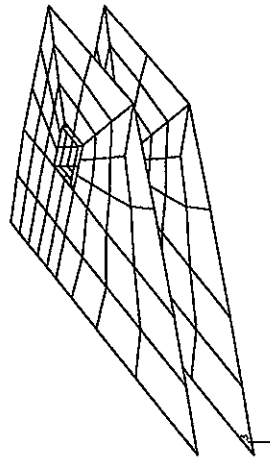
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-154: CPAIR#154;surf(elset): ECB90U( 18077,S3)\*light;ECU90( 36904,S1)



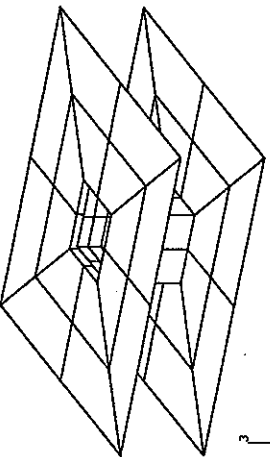
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-155: CPAIR#155;surf(elset): ECB91U( 18097,S3)\*light;ECU91( 37150,S1)



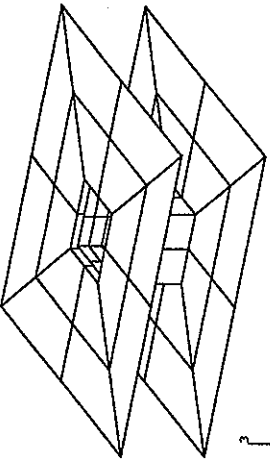
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-156: CPAIR#156;surf(elset): ECB92U( 18117,S3)\*light;ECU92( 37459,S1)



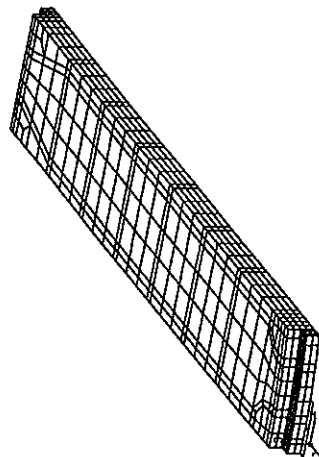
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-157: CPAIR#157;surf(elset): ECB93U( 18137,S3)\*light;ECU93( 37729,S1)



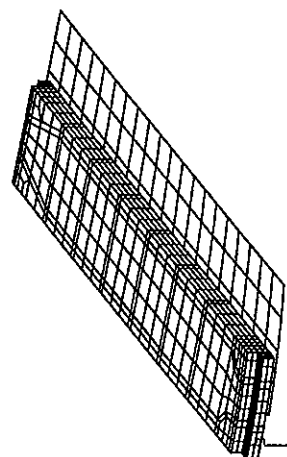
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-158: CPAIR#158;surf(elset): ECB94U( 41832,S3)\*light;ECU94( 36808,S1)



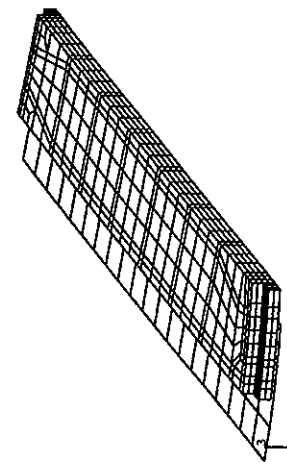
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-159: CPAIR#159;surf(elset): ECB95U( 41836,S3)\*light;ECU95( 37252,S1)



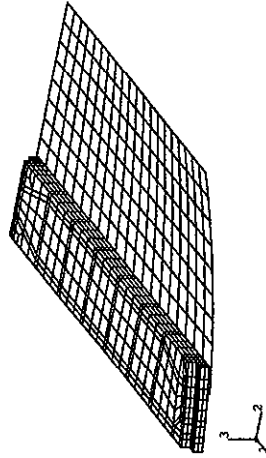
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-160: CPAIR#160;surf(elset): EQP1( 3757,S1)\*light;SKIN1P( 39409,SNEG)



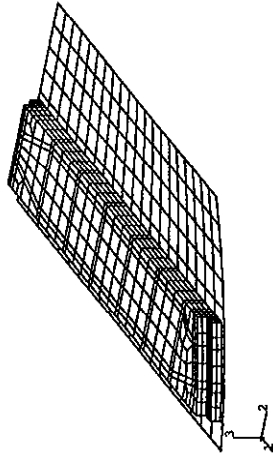
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-161: CPAIR#161;surf(elset): EQP1( 3757,S1)\*light;SKIN2P( 39449,SNEG)



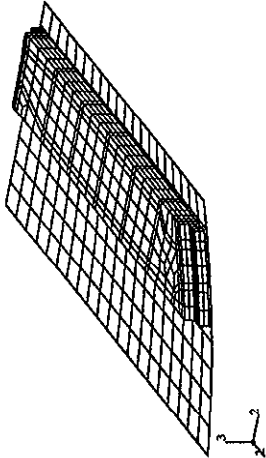
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-162: CPAIR#162;surf(elset): EQP2( 4815,S1)\*light;SKIN2R( 39449,SNEG)



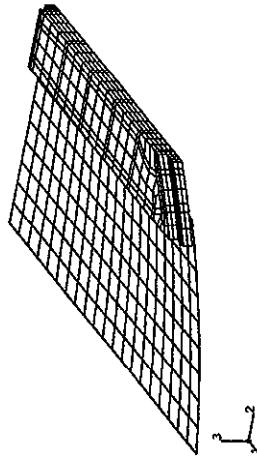
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-163: CPAIR#163;surf(elset): EQP2( 4815, S1)\*light;SKIN3P( 39529, SNEG)



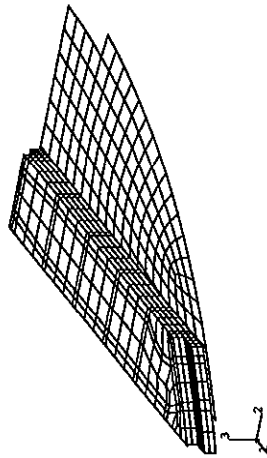
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-164: CPAIR#164;surf(elset): EQP3( 5820, S1)\*light;SKIN3P( 39529, SNEG)



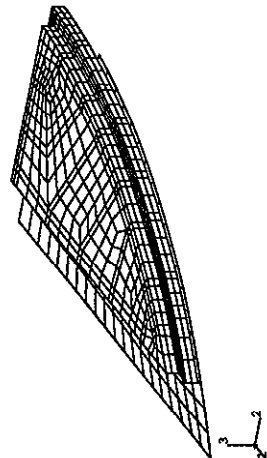
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-165: CPAIR#165;surf(elset): EQP4( 6764, S1)\*light;SKIN3P( 39529, SNEG)



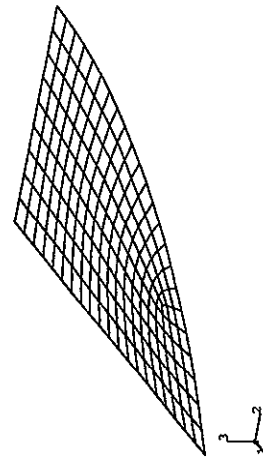
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-166: CPAIR#166;surf(elset): EQP5( 7609, S1)\*light;SKIN3P( 39529, SNEG)



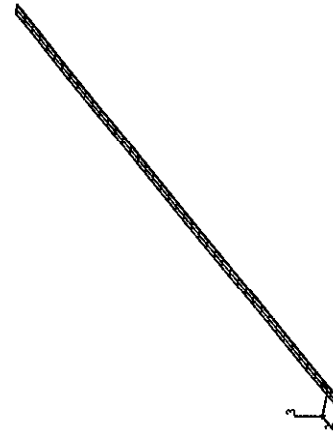
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-167: CPAIR#167;surf(elset): EQP5( 7609, S1)\*light;SKIN4P( 39709, SNEG)



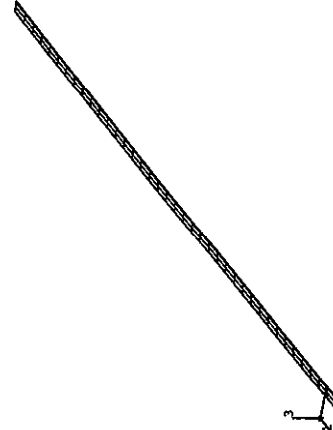
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-168: CPAIR#168;surf(elset): EQP6( 8240, S1)\*light;SKIN4P( 39709, SNEG)



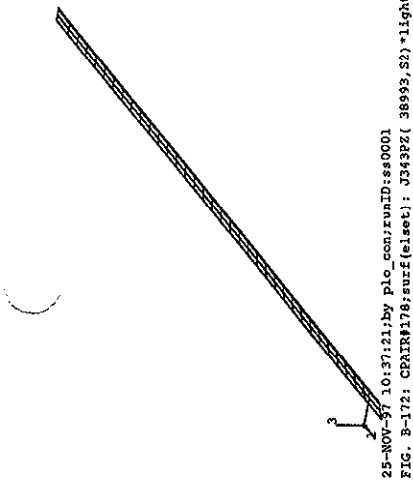
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-169: CPAIR#175;surf(elset): C4S( 36538, S1)\*light;SKIN4C( 39709, SPOS)



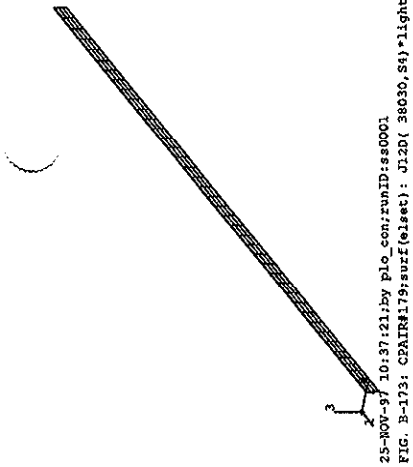
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-170: CPAIR#176;surf(elset): J121PZ( 38033, S2)\*light;J121N2( 38281, S1)



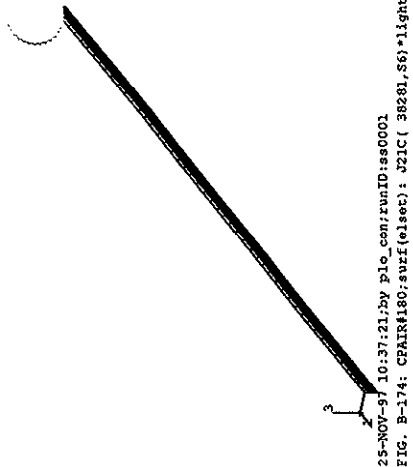
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-171: CPAIR#177;surf(elset): J232PZ( 38537, S2)\*light;J232N2( 38761, S1)



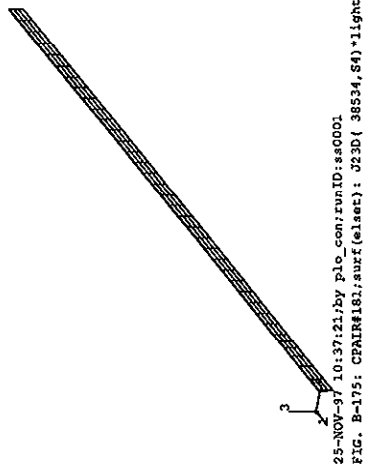
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-172: CPAIR#178;surf(elset): J343PZ( 38993,S2)\*light;J343NZ( 39139,S1)



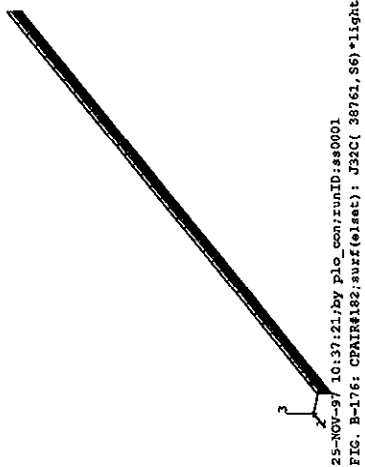
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-173: CPAIR#179;surf(elset): J120( 38030,S4)\*light;C2C( 31003,S6)



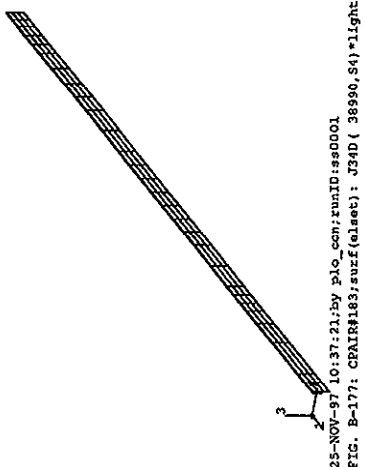
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-174: CPAIR#180;surf(elset): J21C( 38281,S6)\*light;C1D( 30016,S4)



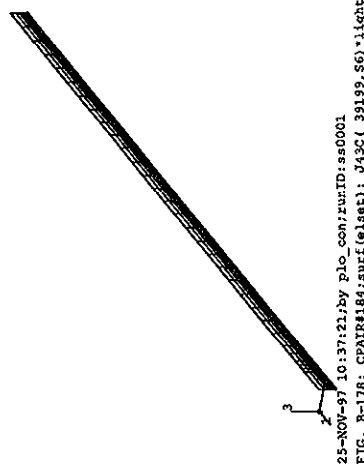
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-175: CPAIR#181;surf(elset): J23D( 38534,S4)\*light;C3C( 34009,S6)



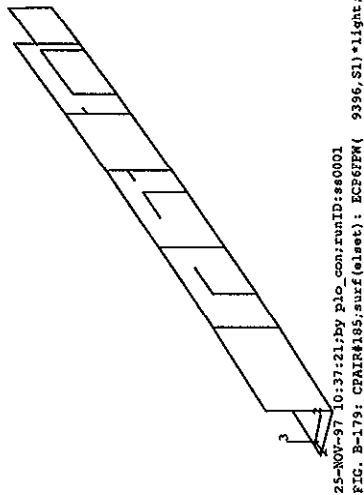
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-176: CPAIR#182;surf(elset): J32C( 38761,S6)\*light;C2D( 31050,S4)



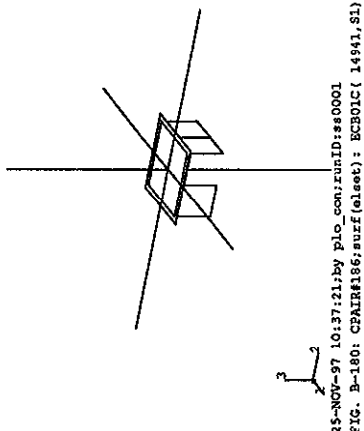
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-177: CPAIR#183;surf(elset): J34D( 38990,S4)\*light;C4C( 36538,S6)



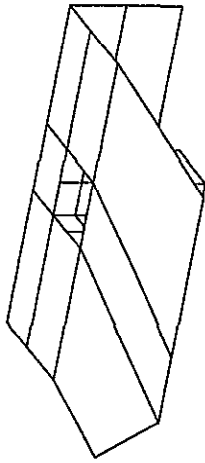
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-178: CPAIR#184;surf(elset): J43C( 39139,S6)\*light;C3D( 34055,S4)



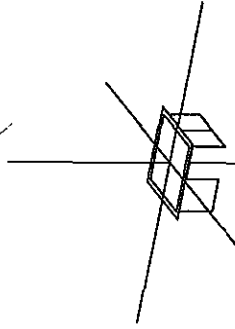
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-179: CPAIR#185;surf(elset): ECP6FW( 9396,S1)\*light;ECFPP6W( 14856,S3)



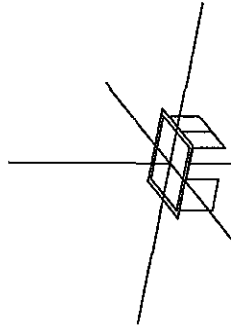
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-180: CPAIR#186;surf(elset): ECB01C( 14941,S1)\*light;ECC01( 18157,SNEG)



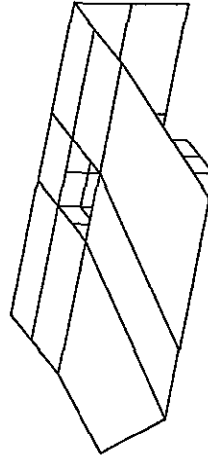
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-181: CPAIR#187;surf(elset): ECB01T( 15781,S3)\*light;ECT01( 3774,S6)



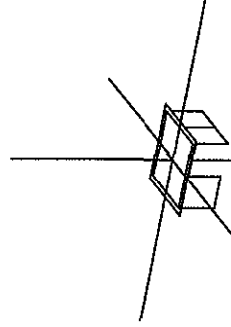
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-182: CPAIR#188;surf(elset): ECB02C( 14969,S1)\*light;ECC02( 18161,SNEC)



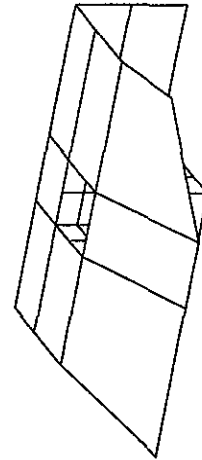
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-184: CPAIR#190;surf(elset): ECB03C( 14987,S1)\*light;ECC03( 18165,SNEG)



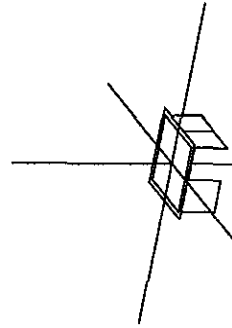
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-185: CPAIR#191;surf(elset): ECB03T( 15805,S3)\*light;ECT03( 4832,S6)



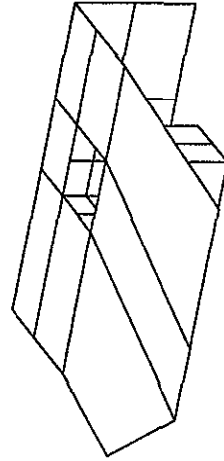
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-186: CPAIR#192;surf(elset): ECB04C( 15025,S1)\*light;ECC04( 18169,SNEC)



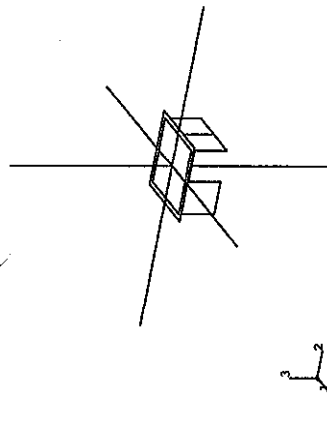
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-187: CPAIR#193;surf(elset): ECB04T( 15817,S3)\*light;ECT04( 5044,S4)



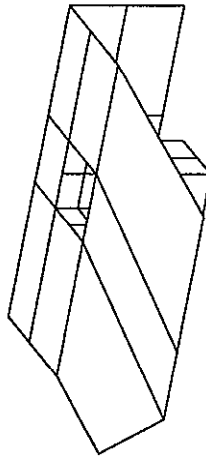
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-188: CPAIR#194;surf(elset): ECB05C( 15053,S1)\*light;ECC05( 18173,SNEC)



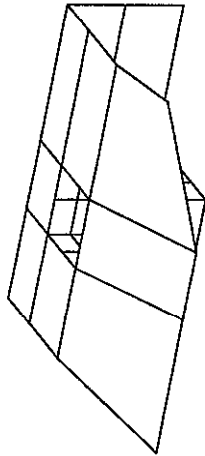
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-189: CPAIR#195;surf(elset): ECB05T( 15829,S3)\*light;ECT05( 5837,S6)



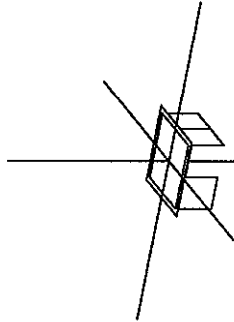
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-190: CPAIR#196;surf(elset): ECB06C( 15081,S1)\*light;ECT06( 18177,SNEG)



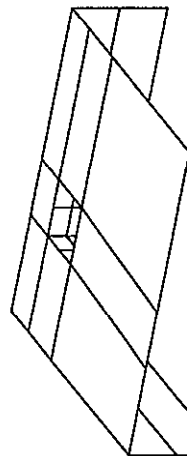
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-193: CPAIR#199;surf(elset): ECB07T( 15853,S3)\*light;ECT07( 6781,S6)



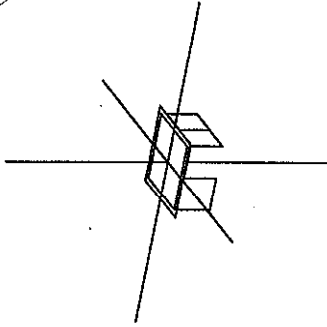
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-191: CPAIR#197;surf(elset): ECB06T( 15841,S3)\*light;ECT06( 6049,S4)



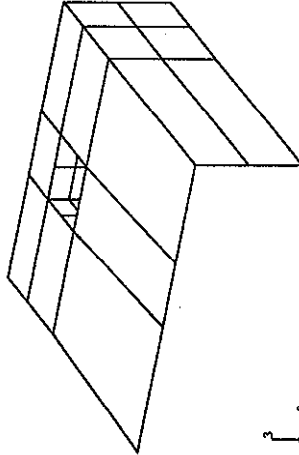
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-194: CPAIR#200;surf(elset): ECB08C( 15137,S1)\*light;ECT08( 18185,SNEG)



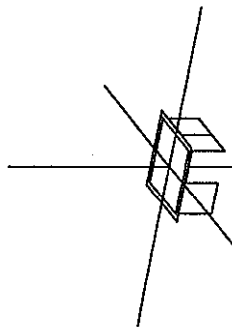
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-197: CPAIR#203;surf(elset): ECB09T( 15877,S3)\*light;ECT09( 7617,S3)



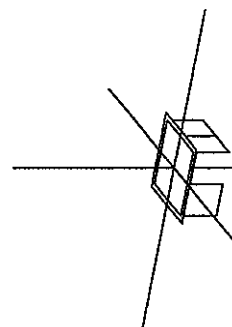
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-192: CPAIR#198;surf(elset): ECB07C( 15109,S1)\*light;ECT07( 18181,SNEG)



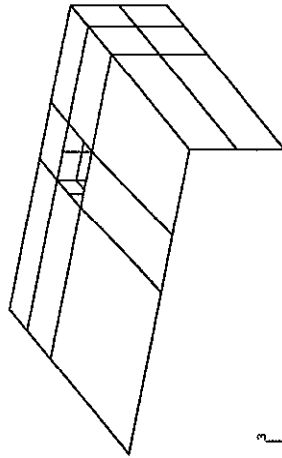
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-195: CPAIR#201;surf(elset): ECB08T( 15865,S3)\*light;ECT08( 6964,S4)



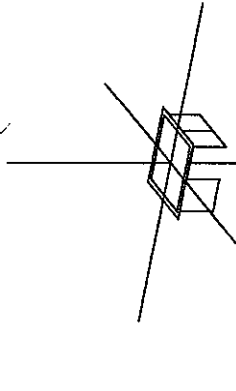
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-198: CPAIR#204;surf(elset): ECB10C( 15193,S1)\*light;ECT10( 18193,SNEG)



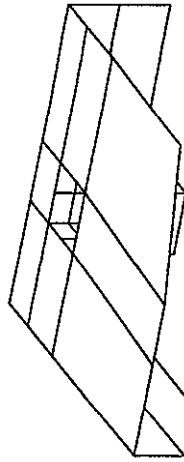
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-196: CPAIR#202;surf(elset): ECB09C( 15165,S1)\*light;ECT09( 18189,SNEG)



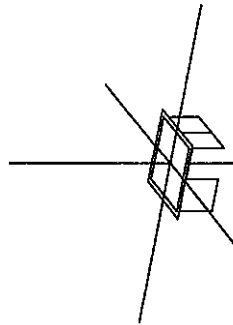
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-199: CPAIR#205:surf(elset): ECB10T( 15889, S3)\*light:ECT10( 7787, S4)



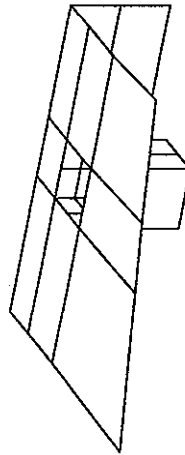
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-200: CPAIR#206:surf(elset): ECB11C( 15222, S1)\*light:ECT11( 18197, SNEG)



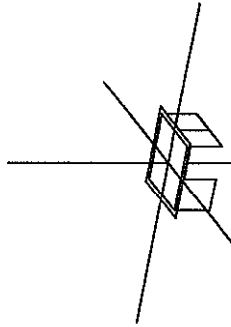
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-201: CPAIR#207:surf(elset): ECB11T( 15301, S3)\*light:ECT11( 8248, S3)



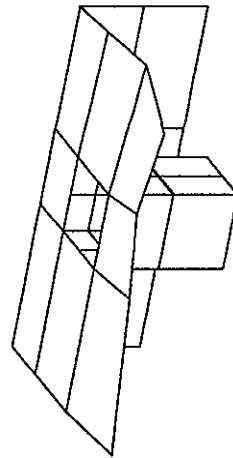
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-202: CPAIR#208:surf(elset): ECB12C( 15249, S1)\*light:ECT12( 18001, SNEG)



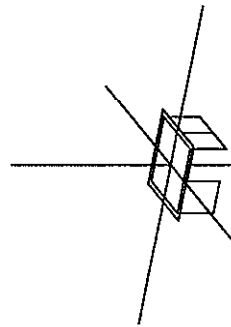
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-203: CPAIR#209:surf(elset): ECB12T( 15913, S3)\*light:ECT12( 8371, S6)



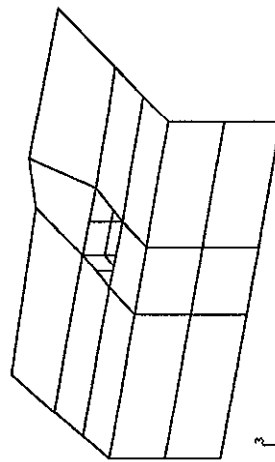
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-204: CPAIR#210:surf(elset): ECB13C( 15277, S1)\*light:ECT13( 18205, SNEG)



25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-205: CPAIR#211:surf(elset): ECB13T( 15925, S3)\*light:ECT13( 8386, S6)

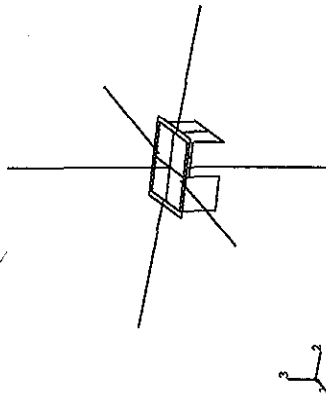


25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-206: CPAIR#212:surf(elset): ECB14C( 15305, S1)\*light:ECT14( 18209, SNEG)

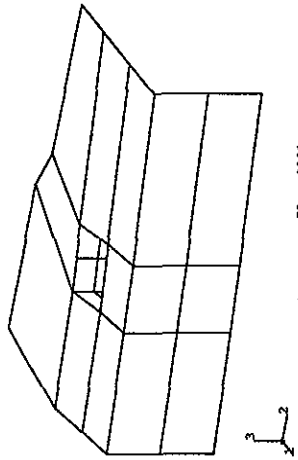


25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-207: CPAIR#213:surf(elset): ECB14T( 15937, S3)\*light:ECT14( 4628, S4)

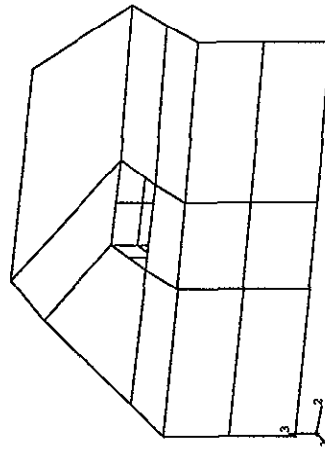




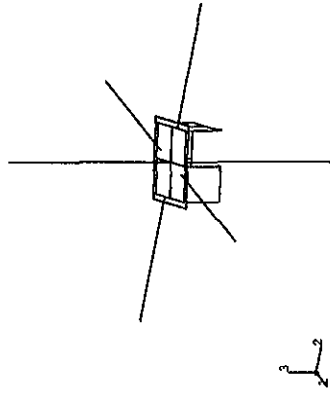
25-NOV-97 10:37:21;by plo\_com;runID:ss0001  
FIG. B-208: CPAIR#214;surf(elset): EC815C( 15333,S1)\*light;ECT15( 18213,SNEC)



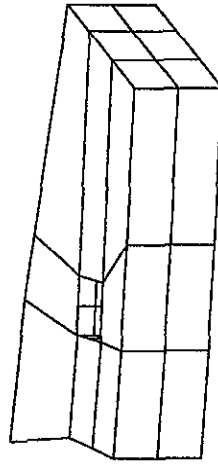
25-NOV-97 10:37:21;by plo\_com;runID:ss0001  
FIG. B-209: CPAIR#215;surf(elset): EC815T( 15949,S3)\*light;ECT15( 4654,S2)



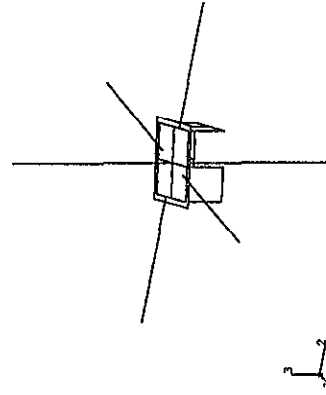
25-NOV-97 10:37:21;by plo\_com;runID:ss0001  
FIG. B-211: CPAIR#217;surf(elset): EC815T( 15961,S3)\*light;ECT16( 5678,S3)



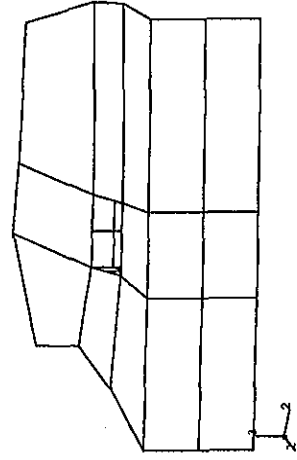
25-NOV-97 10:37:21;by plo\_com;runID:ss0001  
FIG. B-212: CPAIR#218;surf(elset): EC817C( 15389,S1)\*light;ECT17( 18221,SNEC)



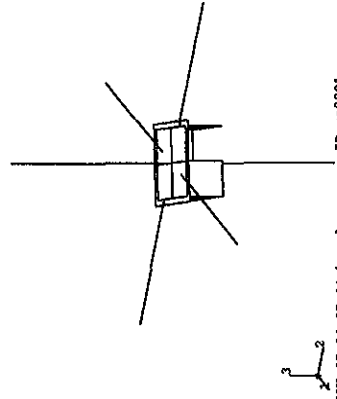
25-NOV-97 10:37:21;by plo\_com;runID:ss0001  
FIG. B-213: CPAIR#219;surf(elset): EC817T( 15973,S3)\*light;ECT17( 5691,S2)



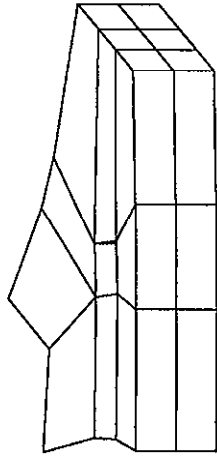
25-NOV-97 10:37:21;by plo\_com;runID:ss0001  
FIG. B-214: CPAIR#220;surf(elset): EC818C( 15417,S1)\*light;ECT18( 18225,SNEC)



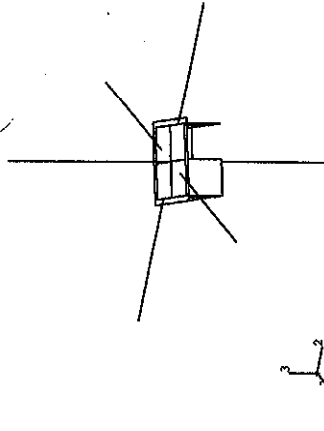
25-NOV-97 10:37:21;by plo\_com;runID:ss0001  
FIG. B-215: CPAIR#221;surf(elset): EC818T( 15985,S3)\*light;ECT18( 6611,S2)



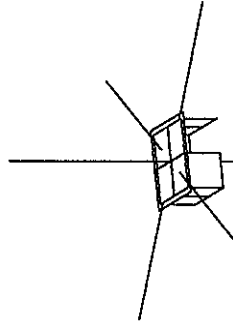
25-NOV-97 10:37:21;by plo\_com;runID:ss0001  
FIG. B-216: CPAIR#222;surf(elset): EC819C( 15445,S1)\*light;ECT19( 18229,SNEC)



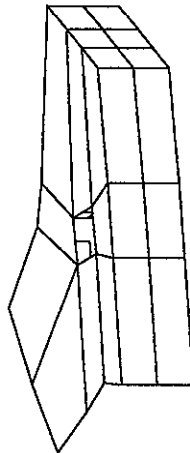
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-217: CPAIR4223:surf(elset): ECB19T( 15997,S3)\*light;ECT19( 6553,S2)



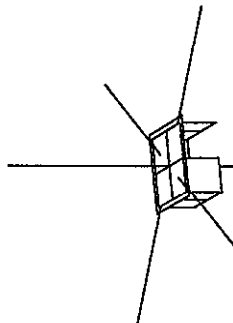
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-218: CPAIR4224:surf(elset): ECB20C( 15473,S1)\*light;ECT20( 18233,SNEG)



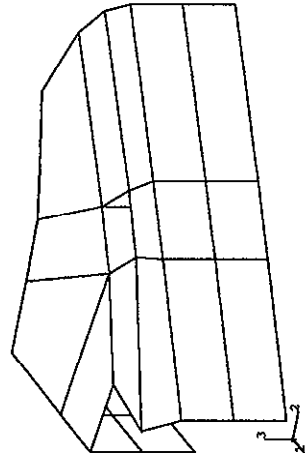
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-220: CPAIR4226:surf(elset): ECB21C( 15501,S1)\*light;ECT21( 18237,SNEG)



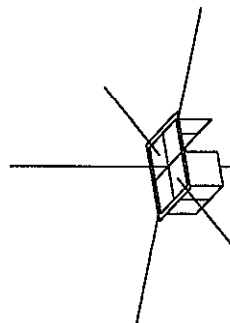
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-221: CPAIR4227:surf(elset): ECB21T( 16021,S3)\*light;ECT21( 7460,S2)



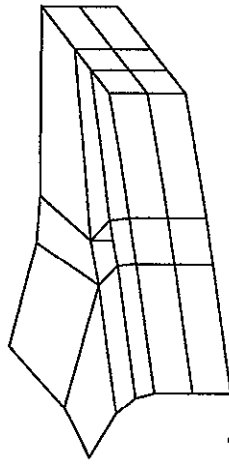
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-222: CPAIR4228:surf(elset): ECB22C( 15529,S1)\*light;ECT22( 18241,SNEG)



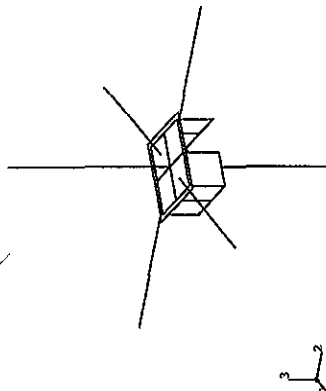
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-223: CPAIR4229:surf(elset): ECB22T( 16033,S3)\*light;ECT22( 8126,S3)



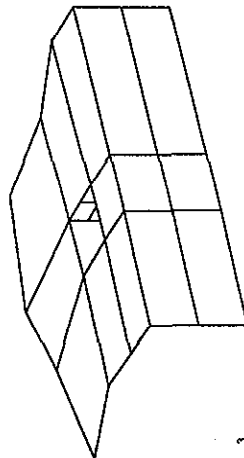
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-224: CPAIR4230:surf(elset): ECB23C( 15557,S1)\*light;ECT23( 18245,SNEG)



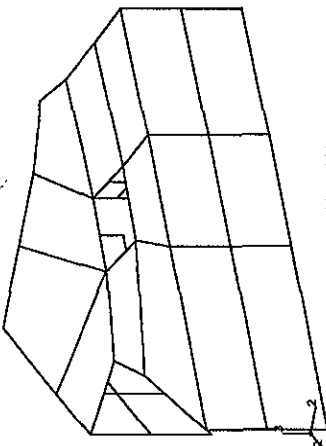
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-225: CPAIR4231:surf(elset): ECB23T( 16045,S3)\*light;ECT23( 8099,S2)



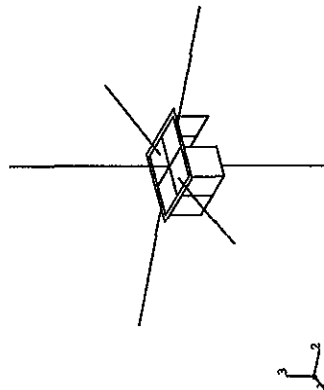
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-226: CPAIR#232;surf(elset): ECB24C( 15585, S1)\*light;ECT24( 18249, SNEG)



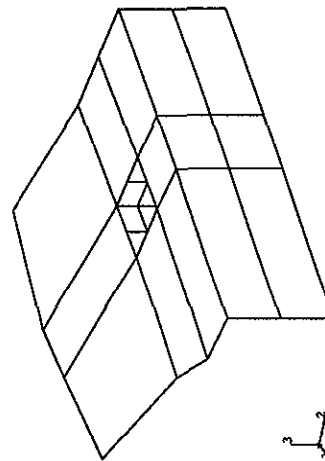
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-229: CPAIR#235;surf(elset): ECB25F( 16069, S3)\*light;ECT25( 8584, S3)



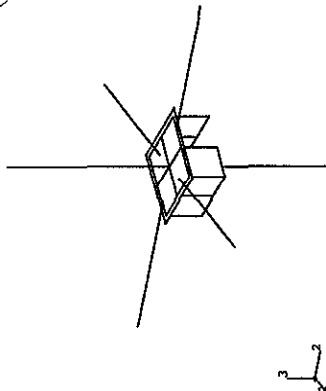
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-227: CPAIR#233;surf(elset): ECB24T( 16057, S3)\*light;ECT24( 9123, S2)



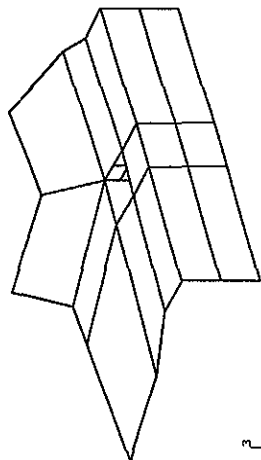
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-230: CPAIR#236;surf(elset): ECB26C( 15641, S1)\*light;ECT26( 18257, SNEG)



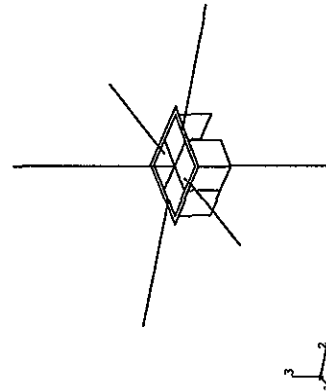
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-233: CPAIR#239;surf(elset): ECB27T( 16093, S3)\*light;ECT27( 8595, S5)



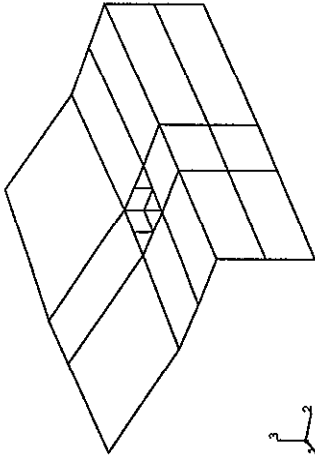
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-228: CPAIR#234;surf(elset): ECB25C( 15613, S1)\*light;ECT25( 18253, SNEG)



25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-231: CPAIR#237;surf(elset): ECB26T( 16081, S3)\*light;ECT26( 8586, S5)

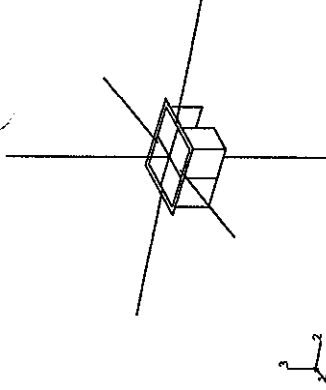


25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-234: CPAIR#240;surf(elset): ECB28C( 15697, S1)\*light;ECT28( 18265, SNEG)



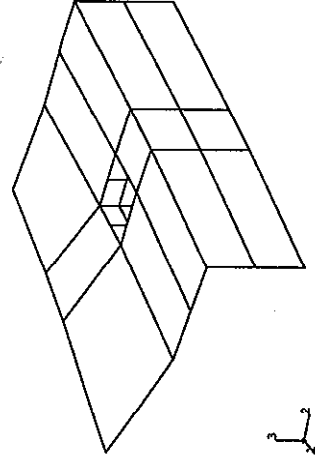
25-NOV-97 10:37:21;by plo\_con:runID:ss0001

FIG. B-235: CPAIR#241;surf(elset): ECB28T( 16105,S3)\*light;ECT28( 8609,S5)



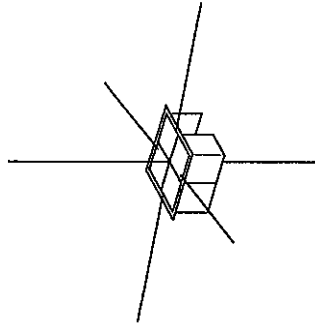
25-NOV-97 10:37:21;by plo\_con:runID:ss0001

FIG. B-236: CPAIR#242;surf(elset): ECB29C( 15725,S1)\*light;ECT29( 18269,SNEC)



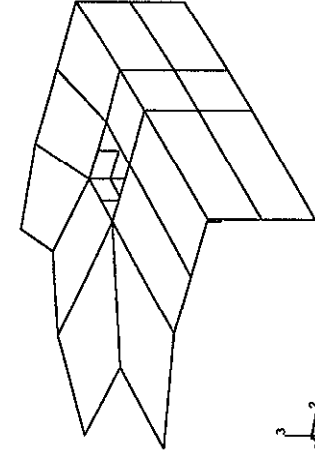
25-NOV-97 10:37:21;by plo\_con:runID:ss0001

FIG. B-237: CPAIR#243;surf(elset): ECB29T( 16117,S3)\*light;ECT29( 8619,S5)



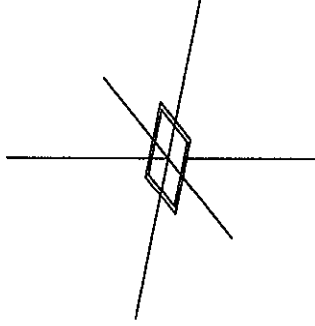
25-NOV-97 10:37:21;by plo\_con:runID:ss0001

FIG. B-238: CPAIR#244;surf(elset): ECB30C( 15753,S1)\*light;ECT30( 18273,SNEC)



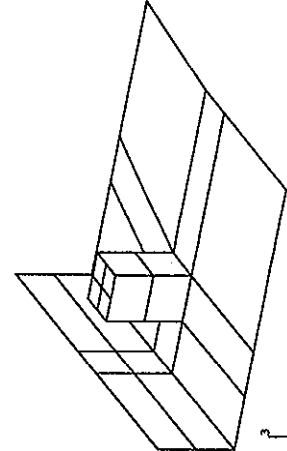
25-NOV-97 10:37:21;by plo\_con:runID:ss0001

FIG. B-239: CPAIR#245;surf(elset): ECB30T( 16129,S3)\*light;ECT30( 8561,S2)



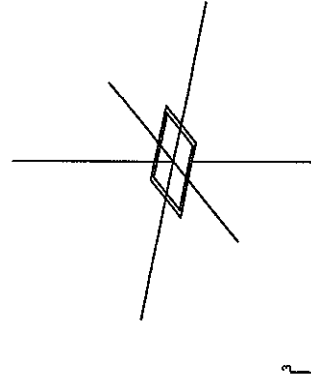
25-NOV-97 10:37:21;by plo\_con:runID:ss0001

FIG. B-240: CPAIR#246;surf(elset): BT31C( 39880,S2)\*light;ECT31( 40140,SNEC)



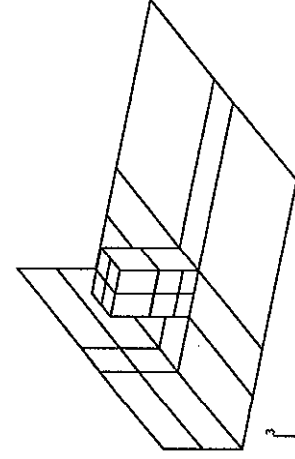
25-NOV-97 10:37:21;by plo\_con:runID:ss0001

FIG. B-241: CPAIR#247;surf(elset): ECB31T( 16141,S1)\*light;ECT31( 3798,S1)



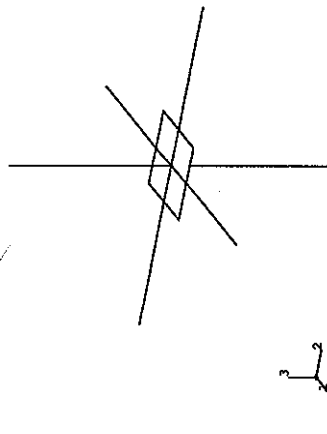
25-NOV-97 10:37:21;by plo\_con:runID:ss0001

FIG. B-242: CPAIR#248;surf(elset): BT32C( 39884,S2)\*light;ECT32( 40144,SNEC)

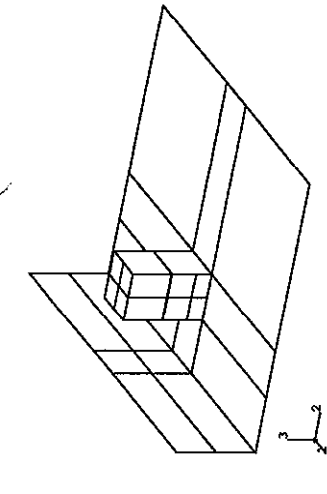


25-NOV-97 10:37:21;by plo\_con:runID:ss0001

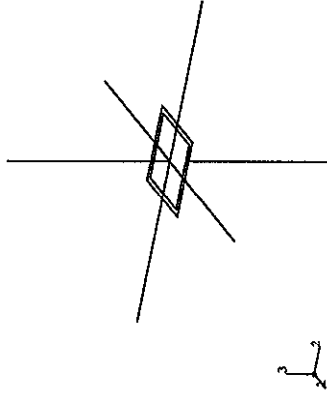
FIG. B-243: CPAIR#249;surf(elset): ECB32T( 16153,S1)\*light;ECT32( 3811,S1)



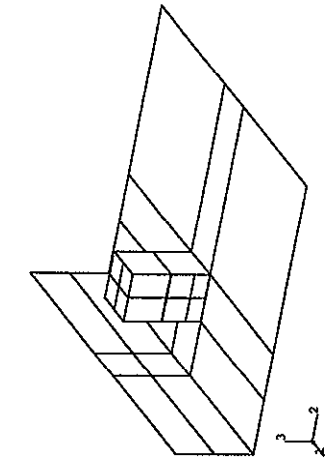
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-244: CPAIR#250;surf(elset): BT33C( 39888,S2)\*light;ECT34( 40148,SNEG)



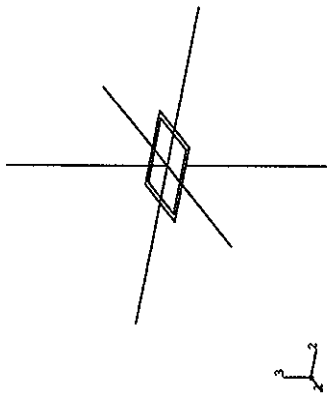
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-245: CPAIR#251;surf(elset): ECB33T( 16165,S1)\*light;ECT33( 3827,S1)



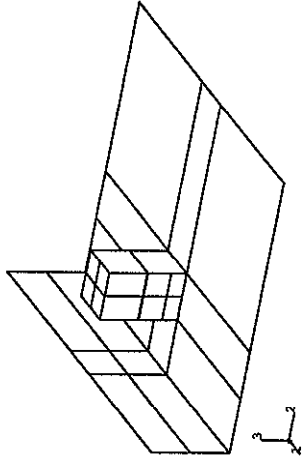
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-246: CPAIR#252;surf(elset): BT34C( 39892,S2)\*light;ECT34( 40152,SNEG)



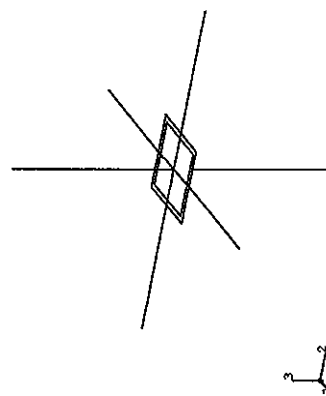
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-247: CPAIR#253;surf(elset): ECB34T( 16177,S1)\*light;ECT34( 3843,S1)



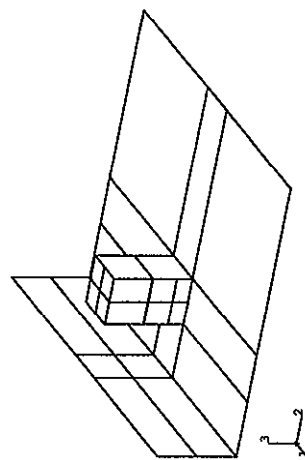
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-248: CPAIR#254;surf(elset): BT35C( 39896,S2)\*light;ECT35( 40156,SNEG)



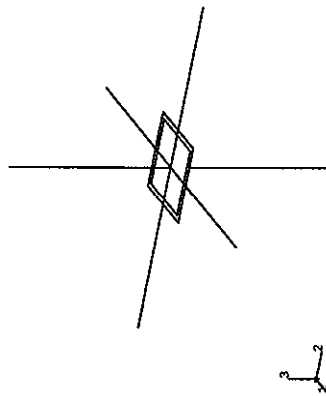
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-249: CPAIR#255;surf(elset): ECB35T( 16189,S1)\*light;ECT35( 3859,S1)



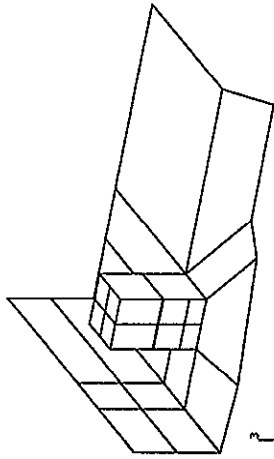
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-250: CPAIR#256;surf(elset): BT36C( 39900,S2)\*light;ECT36( 40160,SNEG)



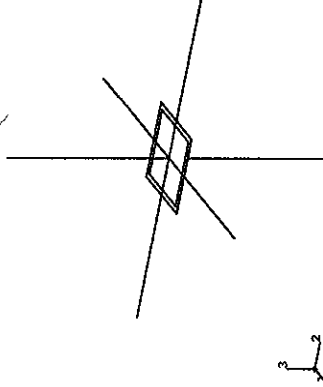
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-251: CPAIR#257;surf(elset): ECB36T( 16201,S1)\*light;ECT36( 3875,S1)



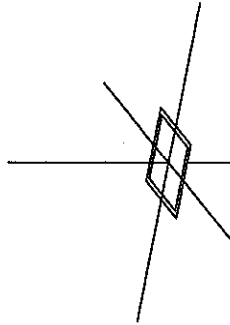
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-252: CPAIR#258;surf(elset): BT37C( 39904,S2)\*light;ECT37( 40164,SNEG)



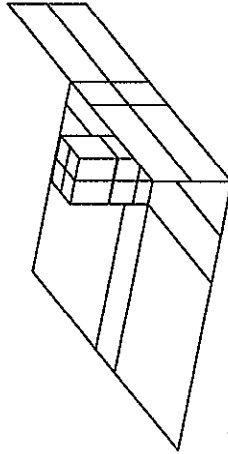
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-253: CPAIR#239:surf(elset): ECB37T( 16213,S1)\*light;ECT37( 3891,S1)



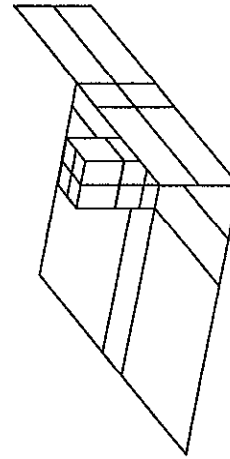
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-254: CPAIR#260:surf(elset): BT38C( 39908,S2)\*light;ECC38( 40168,SNEG)



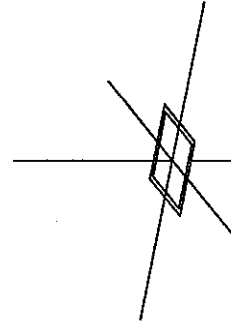
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-256: CPAIR#265:surf(elset): BT39C( 39912,S2)\*light;ECC39( 40172,SNEG)



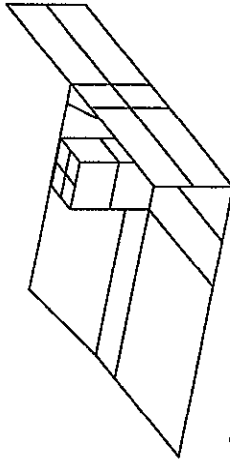
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-257: CPAIR#263:surf(elset): ECB39T( 16237,S1)\*light;ECT39( 4105,S1)



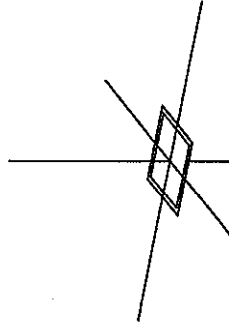
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-259: CPAIR#265:surf(elset): ECB40T( 16249,S1)\*light;ECT40( 4153,S1)



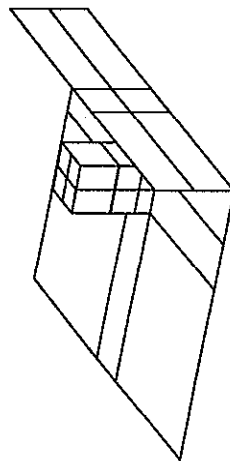
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-260: CPAIR#266:surf(elset): BT41C( 39920,S2)\*light;ECC41( 40180,SNEG)



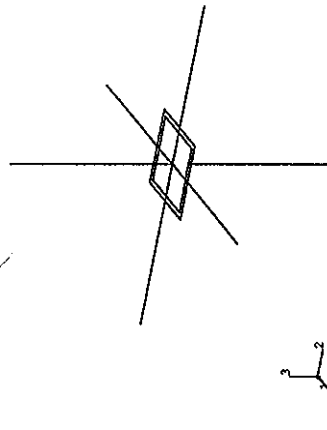
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-255: CPAIR#261:surf(elset): ECB38T( 16225,S1)\*light;ECT38( 4057,S1)



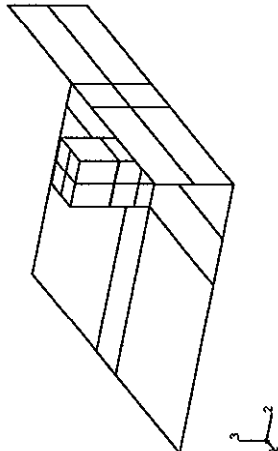
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-258: CPAIR#264:surf(elset): BT40C( 39916,S2)\*light;ECC40( 40176,SNEG)



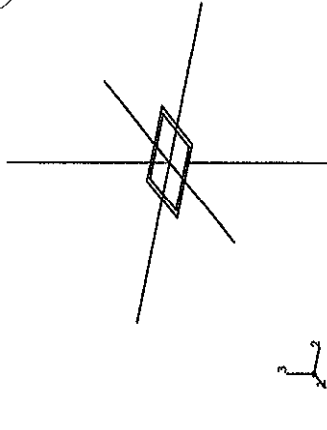
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-261: CPAIR#267:surf(elset): ECB41T( 16261,S1)\*light;ECT41( 4201,S1)



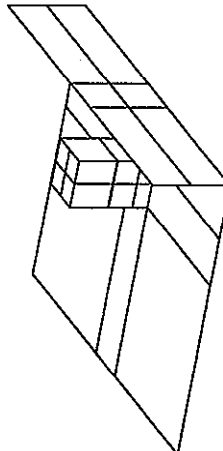
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-262: CPAIR#268;surf(elset): BT42C( 39924,S2)\*light;ECC42( 40184,SNEC)



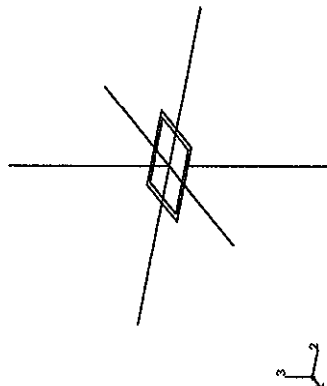
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-263: CPAIR#269;surf(elset): ECB42F( 16273,S1)\*light;ECT42( 4249,S1)



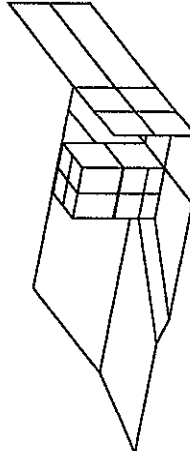
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-264: CPAIR#270;surf(elset): BT43C( 39928,S2)\*light;ECC43( 40186,SNEC)



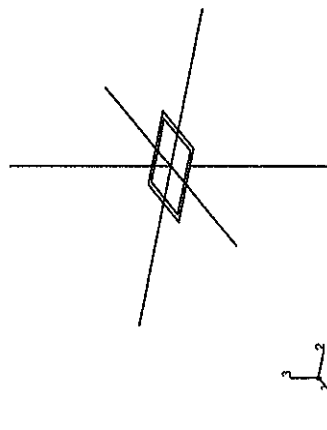
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-265: CPAIR#271;surf(elset): ECB43T( 16285,S1)\*light;ECT43( 4297,S1)



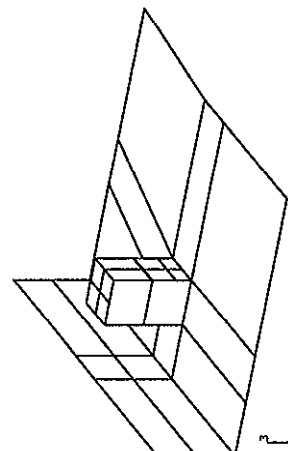
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-266: CPAIR#272;surf(elset): BT44C( 39932,S2)\*light;ECC44( 40192,SNEC)



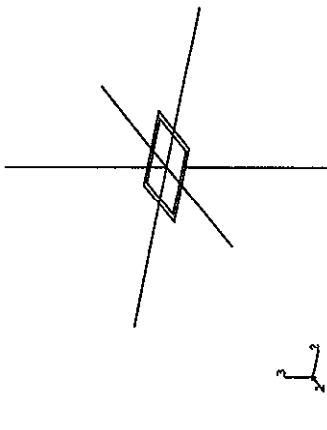
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-267: CPAIR#273;surf(elset): ECB44T( 16297,S1)\*light;ECT44( 4345,S1)



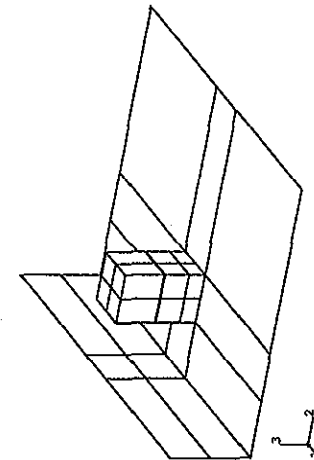
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-268: CPAIR#274;surf(elset): BT45C( 39936,S2)\*light;ECC45( 40196,SNEC)



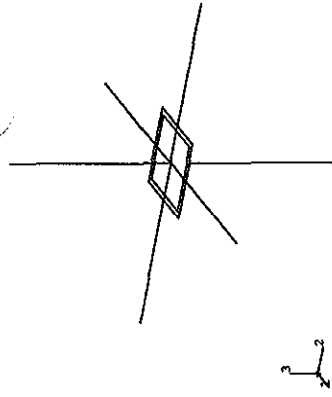
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-269: CPAIR#275;surf(elset): ECB45T( 16309,S1)\*light;ECT45( 4856,S1)



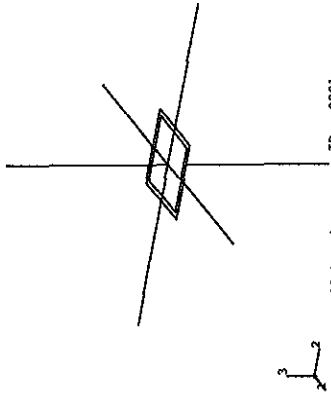
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-270: CPAIR#276;surf(elset): BT46C( 39940,S2)\*light;ECC46( 40200,SNEC)



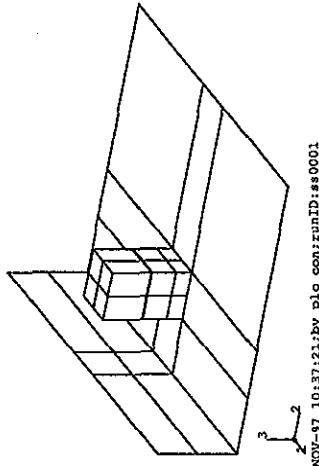
25-NOV-97 10:37:21;by p1o\_con:runID:ss0001  
FIG. B-271: CPAIR#271;surf(elset): EC446T( 16321,S1)\*light;ECT46( 4869,S1)



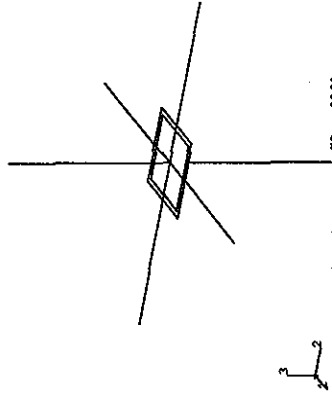
25-NOV-97 10:37:21;by p1o\_con:runID:ss0001  
FIG. B-272: CPAIR#272;surf(elset): BT47C( 39944,S2)\*light;EC47( 40204,SNEG)



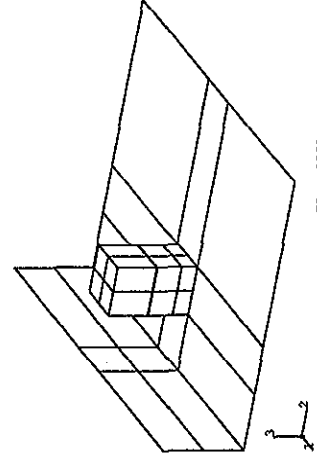
25-NOV-97 10:37:21;by p1o\_con:runID:ss0001  
FIG. B-274: CPAIR#280;surf(elset): BT48C( 39948,S2)\*light;EC48( 40208,SNEG)



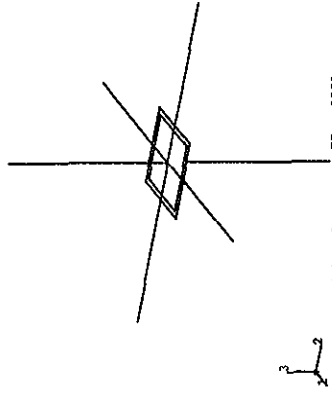
25-NOV-97 10:37:21;by p1o\_con:runID:ss0001  
FIG. B-275: CPAIR#281;surf(elset): EC48T( 16345,S1)\*light;ECT48( 4901,S1)



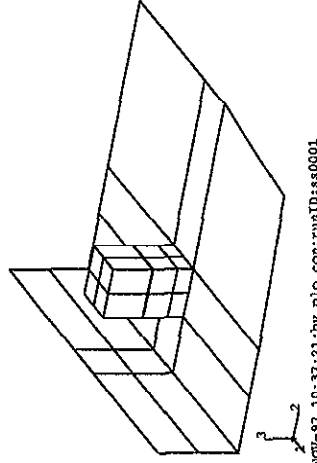
25-NOV-97 10:37:21;by p1o\_con:runID:ss0001  
FIG. B-276: CPAIR#282;surf(elset): BT49C( 39952,S2)\*light;EC49( 40212,SNEG)



25-NOV-97 10:37:21;by p1o\_con:runID:ss0001  
FIG. B-277: CPAIR#283;surf(elset): EC49T( 16357,S1)\*light;ECT49( 4917,S1)



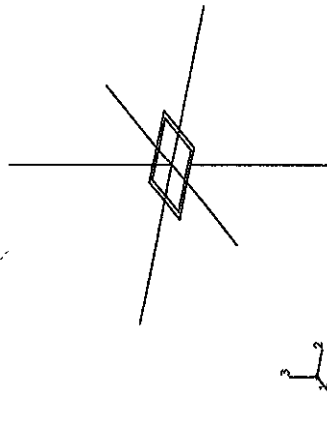
25-NOV-97 10:37:21;by p1o\_con:runID:ss0001  
FIG. B-278: CPAIR#284;surf(elset): BT50C( 39956,S2)\*light;EC50( 40216,SNEG)



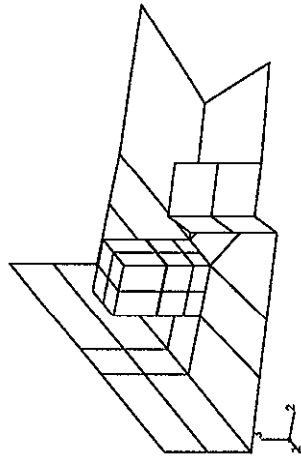
25-NOV-97 10:37:21;by p1o\_con:runID:ss0001  
FIG. B-279: CPAIR#285;surf(elset): EC50T( 16369,S1)\*light;ECT50( 4933,S1)

B-32

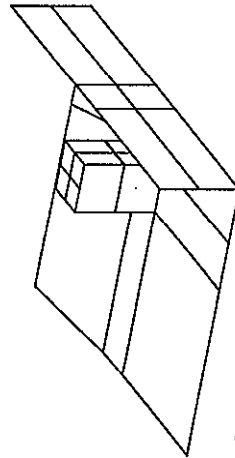




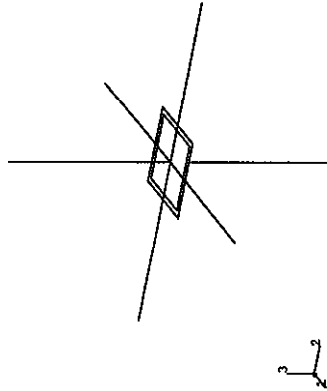
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-280: CPAIR#286:surf(elset): BT51C( 39860, S2)\*light;ECT51( 40220, SNEC)



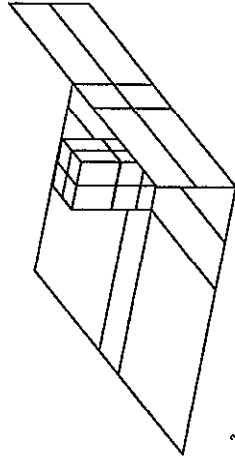
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-281: CPAIR#287:surf(elset): ECB51T( 16381, S1)\*light;ECT51( 5589, S1)



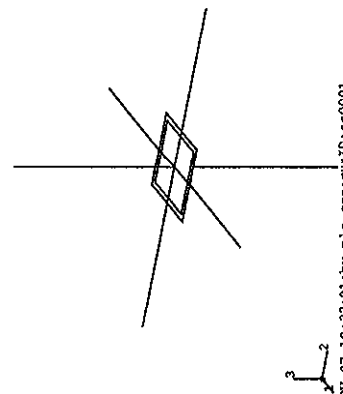
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-283: CPAIR#289:surf(elset): ECB52T( 16393, S1)\*light;ECT52( 5049, S1)



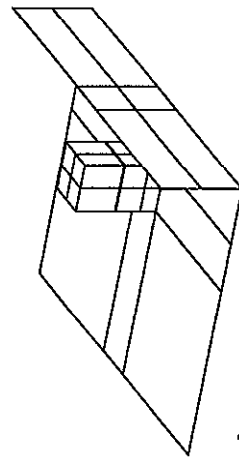
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-284: CPAIR#290:surf(elset): BT53C( 39968, S2)\*light;ECT53( 40228, SNEC)



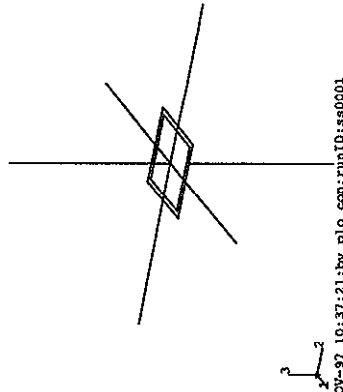
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-285: CPAIR#291:surf(elset): ECB53T( 16405, S1)\*light;ECT53( 5062, S1)



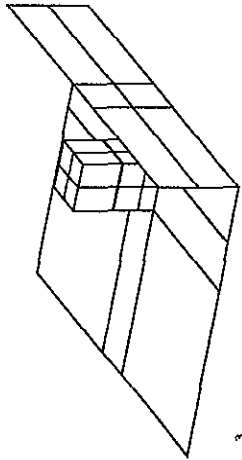
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-286: CPAIR#292:surf(elset): BT54C( 39972, S2)\*light;ECT54( 40232, SNEC)



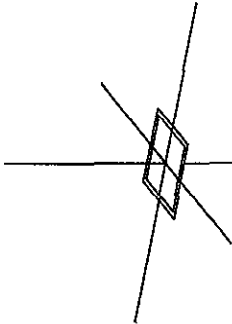
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-287: CPAIR#293:surf(elset): ECB54T( 16417, S1)\*light;ECT54( 5075, S1)



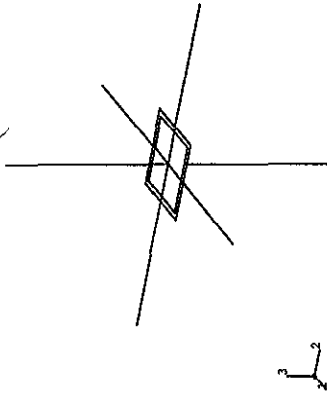
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-288: CPAIR#294:surf(elset): BT55C( 39976, S2)\*light;ECT55( 40236, SNEC)



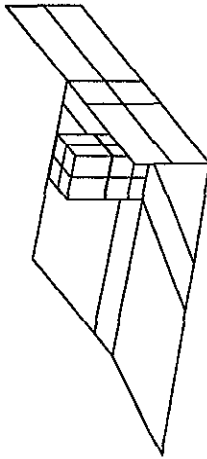
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-289: CPAIR#295:surf(elset): ECB55T( 16429,S1)\*light;ECT55( 5088,S1)



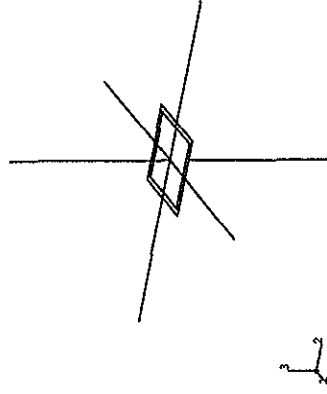
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-292: CPAIR#298:surf(elset): BT57C( 39984,S2)\*light;ECT57( 40244,SNEG)



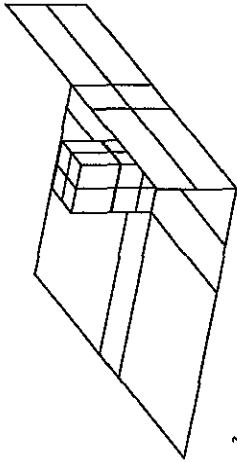
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-290: CPAIR#296:surf(elset): BT56C( 39980,S2)\*light;ECT56( 40240,SNEG)



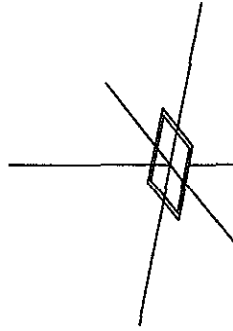
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-293: CPAIR#299:surf(elset): ECB57T( 16453,S1)\*light;ECT57( 5114,S1)



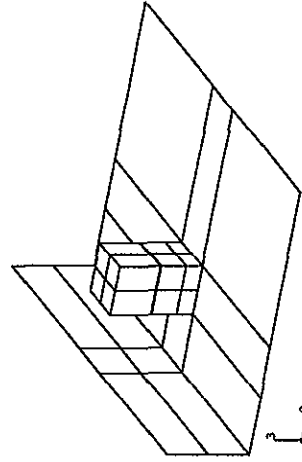
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-296: CPAIR#302:surf(elset): BT59C( 39992,S2)\*light;ECT59( 40252,SNEG)



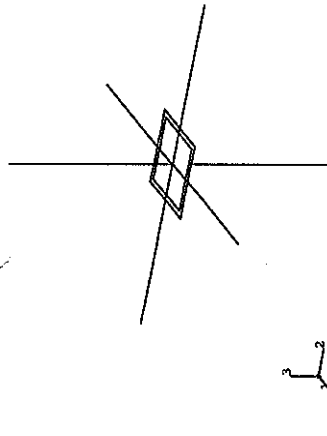
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-291: CPAIR#297:surf(elset): ECB56T( 16441,S1)\*light;ECT56( 5101,S1)



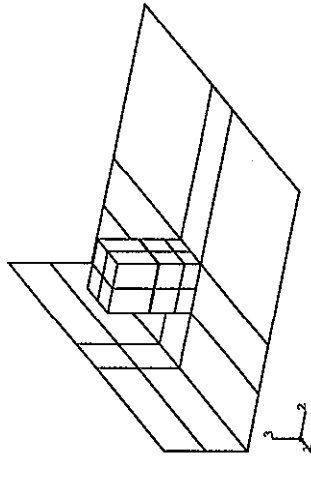
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-294: CPAIR#300:surf(elset): BT58C( 39988,S2)\*light;ECT58( 40248,SNEG)



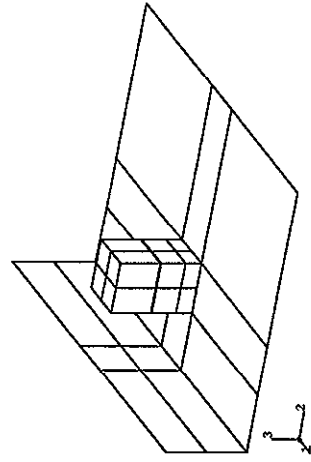
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-297: CPAIR#303:surf(elset): ECB59T( 16477,S1)\*light;ECT59( 5874,S1)



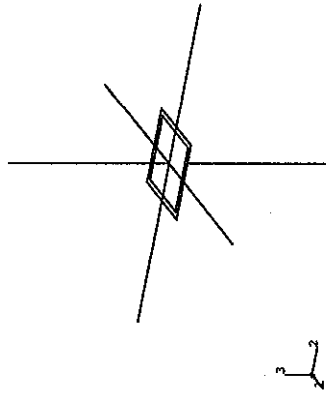
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-298: CPAIR#304:surf(elset): BT60C( 39996,S2)\*light:ECC60( 40256,SNEG)



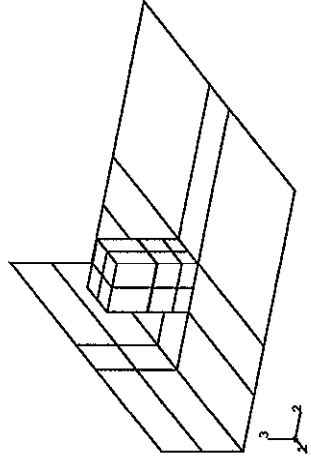
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-299: CPAIR#305:surf(elset): ECB40T( 16489,S1)\*light:ECT60( 5890,S1)



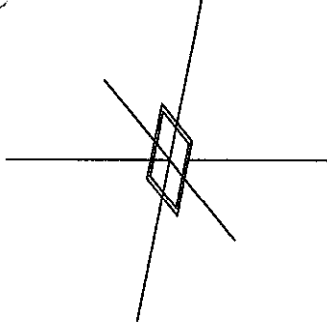
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-300: CPAIR#307:surf(elset): ECB61T( 16501,S1)\*light:ECT61( 5906,S1)



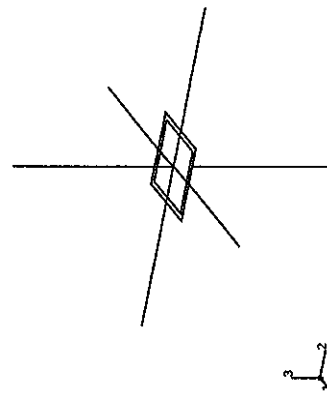
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-301: CPAIR#308:surf(elset): BT62C( 40004,S2)\*light:ECC62( 40264,SNEG)



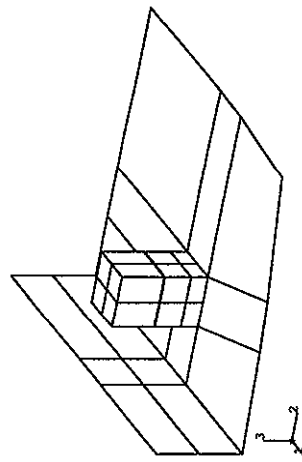
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-302: CPAIR#309:surf(elset): ECB62T( 16513,S1)\*light:ECT62( 5922,S1)



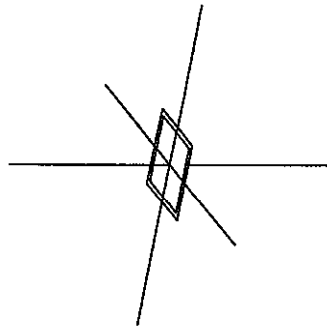
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-303: CPAIR#306:surf(elset): BT61C( 40000,S2)\*light:ECC61( 40260,SNEG)



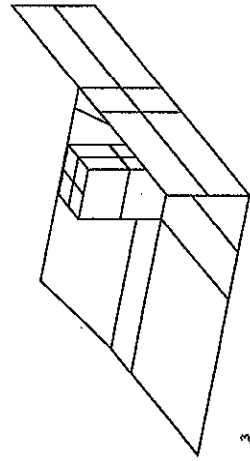
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-304: CPAIR#310:surf(elset): BT63C( 40008,S2)\*light:ECC63( 40268,SNEG)



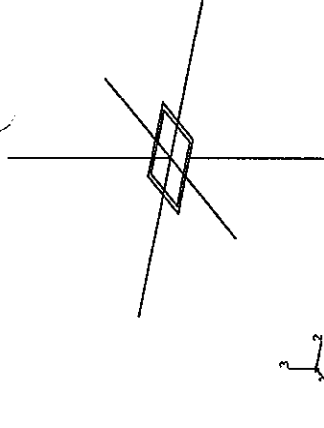
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-305: CPAIR#311:surf(elset): ECB43T( 16525,S1)\*light:ECT63( 5938,S1)



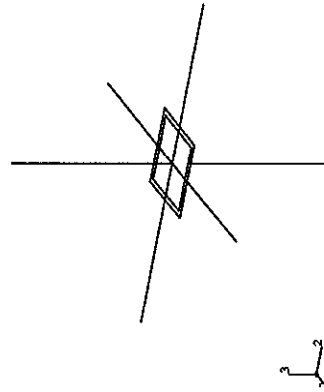
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-306: CPAIR#312:surf(elset): BT64C( 40012,S2)\*light:ECC64( 40272,SNEG)



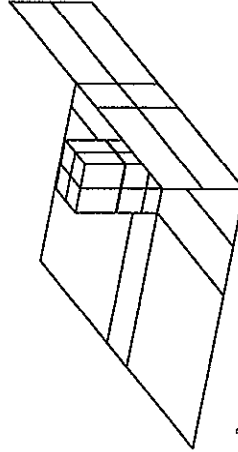
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-307: CPAIR#313:surf(elset): ECB64T( 16537,S1)\*light:ECT64( 6054,S1)



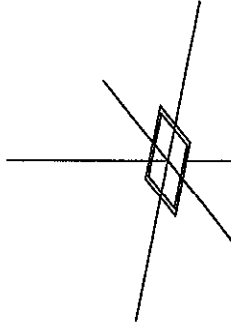
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-308: CPAIR#314:surf(elset): BT65C( 40016,S2)\*light:ECT65( 40276,SNEG)



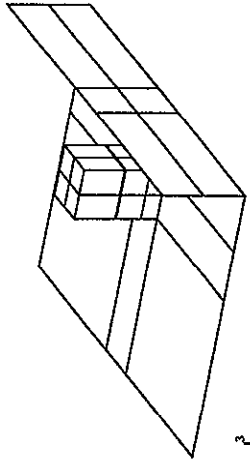
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-310: CPAIR#316:surf(elset): BT66C( 40020,S2)\*light:ECT66( 40280,SNEG)



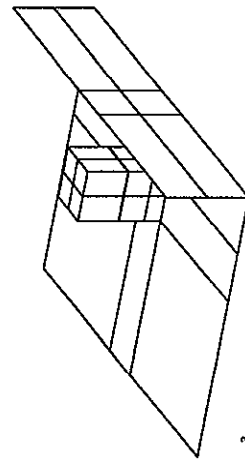
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-311: CPAIR#317:surf(elset): ECB67( 16561,S1)\*light:ECT66( 6080,S1)



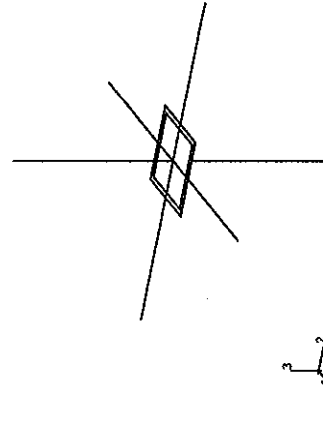
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-312: CPAIR#318:surf(elset): BT67C( 40024,S2)\*light:ECT67( 40284,SNEG)



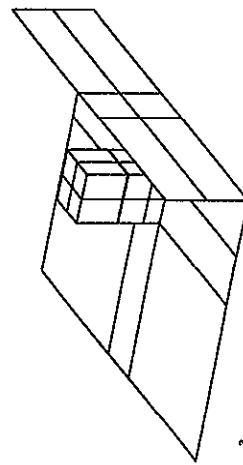
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-309: CPAIR#315:surf(elset): ECB65T( 16549,S1)\*light:ECT65( 6067,S1)



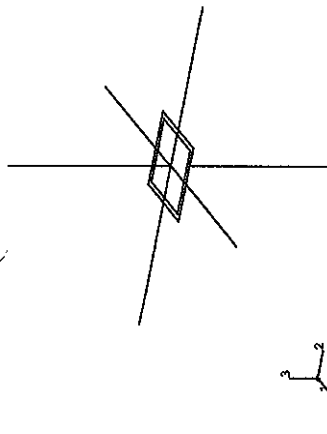
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-313: CPAIR#319:surf(elset): ECB67T( 16573,S1)\*light:ECT67( 6093,S1)



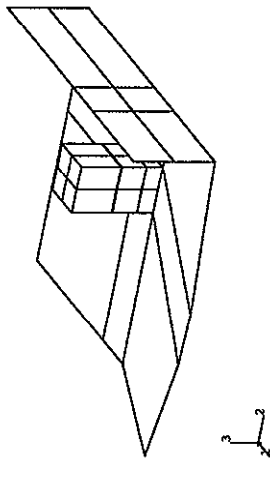
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-314: CPAIR#320:surf(elset): BT68C( 40028,S2)\*light:ECT68( 40288,SNEG)



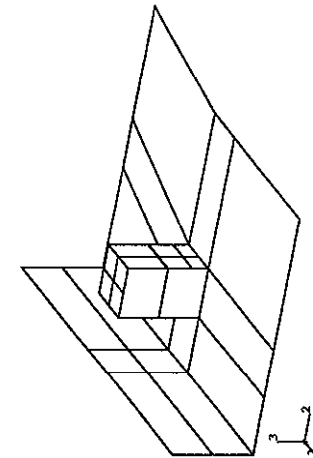
25-NOV-97 10:37:21:by plo\_con:runID:ss0001  
FIG. B-315: CPAIR#321:surf(elset): ECB68T( 16595,S1)\*light:ECT68( 6106,S1)



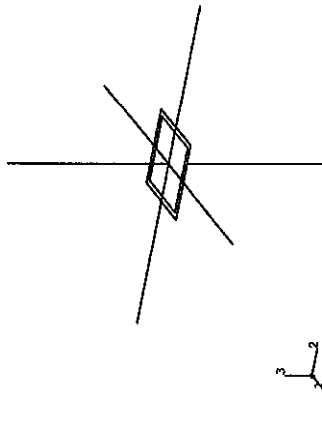
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-316: CPAIR#322;surf(elset): BT69C( 40032,S2)\*light;ECT69( 40292,SNEG)



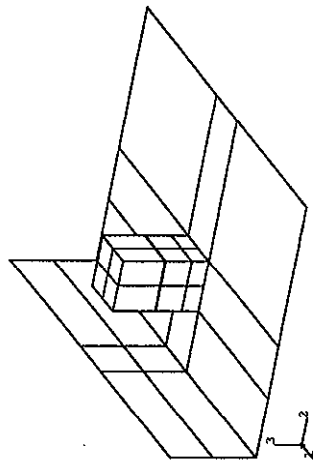
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-317: CPAIR#323;surf(elset): ECB69C( 16597,S1)\*light;ECT69( 6119,S1)



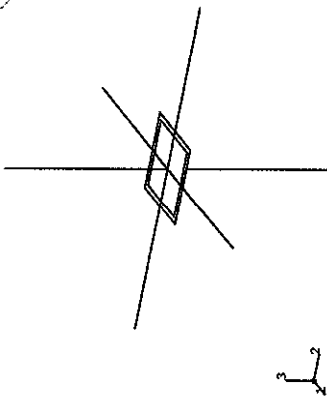
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-319: CPAIR#325;surf(elset): ECB70T( 16609,S1)\*light;ECT70( 6805,S1)



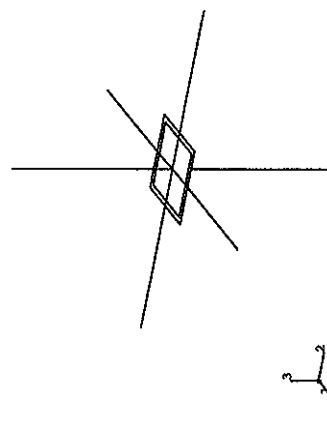
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-320: CPAIR#326;surf(elset): BT71C( 40040,S2)\*light;ECT71( 40300,SNEG)



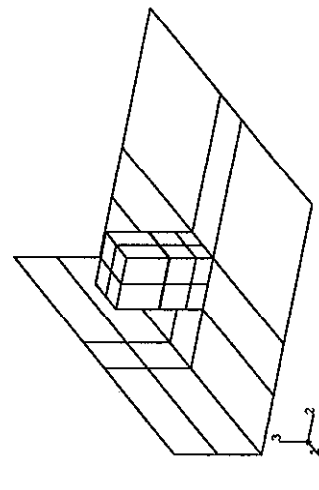
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-321: CPAIR#327;surf(elset): ECB71T( 16621,S1)\*light;ECT71( 6818,S1)



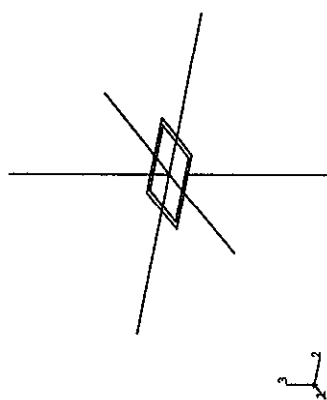
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-318: CPAIR#324;surf(elset): BT70C( 40036,S2)\*light;ECT70( 40296,SNEG)



25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-322: CPAIR#328;surf(elset): BT72C( 40044,S2)\*light;ECT72( 40304,SNEG)

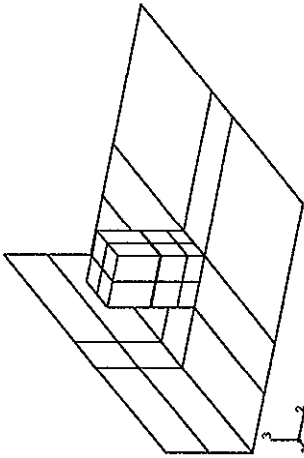


25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-323: CPAIR#329;surf(elset): ECB72T( 16633,S1)\*light;ECT72( 6834,S1)

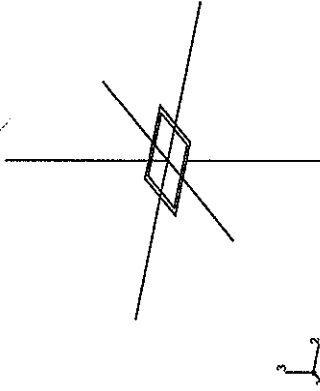


25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-324: CPAIR#330;surf(elset): BT73C( 40048,S2)\*light;ECT73( 40308,SNEG)

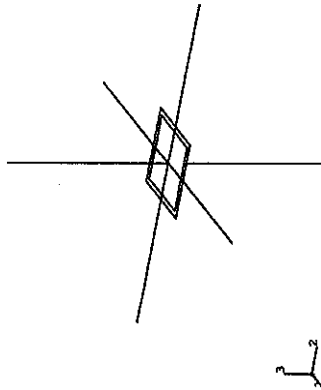
B-37



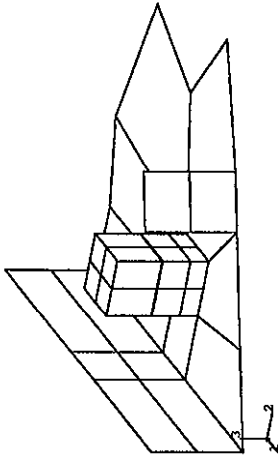
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-325: CPAIR#331;surf(elset): ECB73T( 16645,S1)\*light/ECC73( 6850,S1)



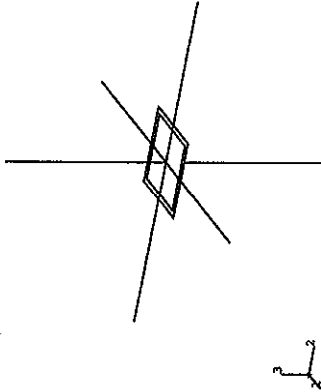
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-326: CPAIR#332;surf(elset): BT74C( 40052,S2)\*light/ECC74( 40312,SNEC)



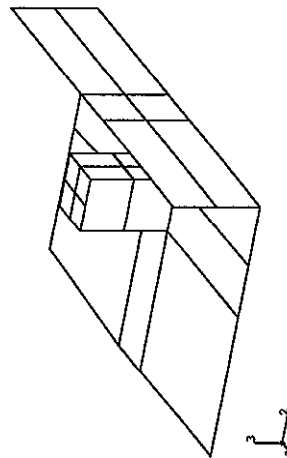
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-328: CPAIR#334;surf(elset): BT75C( 40056,S2)\*light/ECC75( 40316,SNEC)



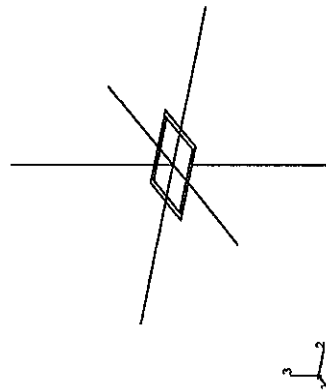
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-329: CPAIR#335;surf(elset): ECB75T( 16669,S1)\*light/ECC75( 7408,S1)



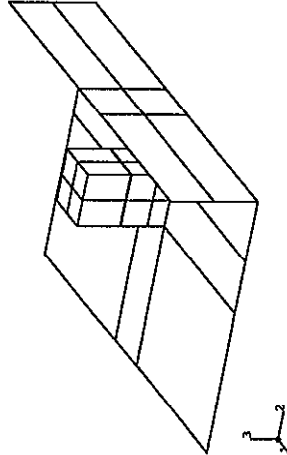
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-330: CPAIR#336;surf(elset): BT76C( 40060,S2)\*light/ECC76( 40320,SNEC)



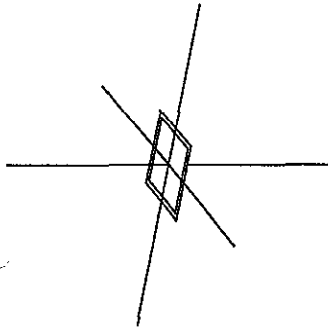
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-331: CPAIR#337;surf(elset): ECB76T( 16684,S1)\*light/ECC76( 6969,S1)



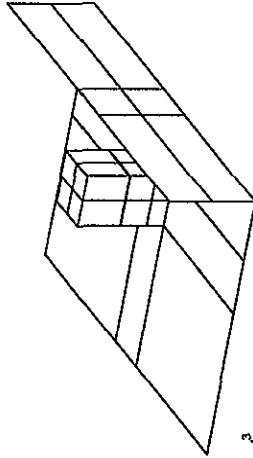
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-332: CPAIR#338;surf(elset): BT77C( 40064,S2)\*light/ECC77( 40324,SNEC)



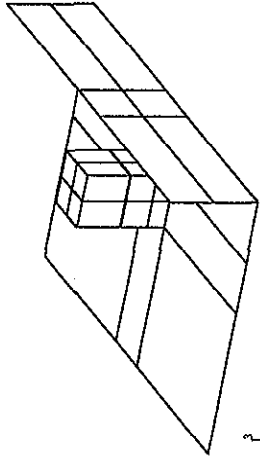
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-333: CPAIR#339;surf(elset): ECB77T( 16693,S1)\*light/ECC77( 6982,S1)



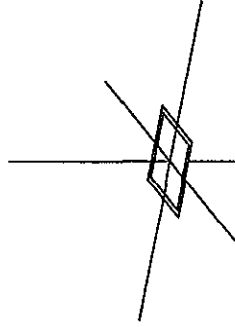
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-334: CPAIR#340:surf(eiset): BT78C( 40068,S2)\*light;ECT78( 40328, SNEC)



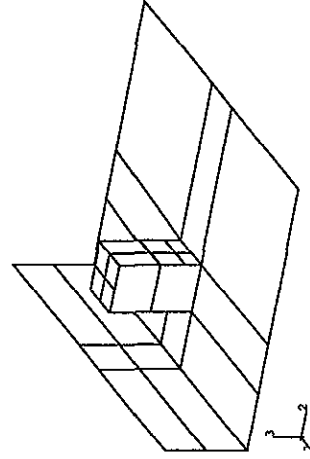
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-337: CPAIR#343:surf(eiset): ECT79T( 16717, S1)\*light;ECT79( 7008, S1)



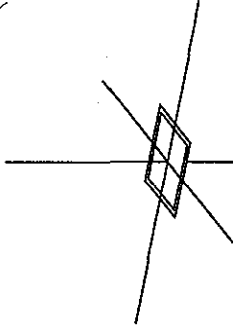
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-335: CPAIR#341:surf(eiset): ECT78T( 16705, S1)\*light;ECT78( 6995, S1)



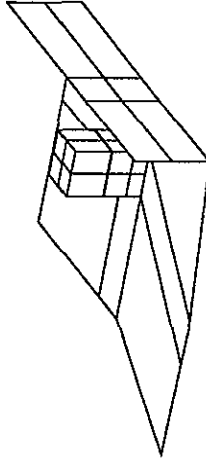
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-338: CPAIR#344:surf(eiset): BT80C( 40076, S2)\*light;ECT80( 40336, SNEC)



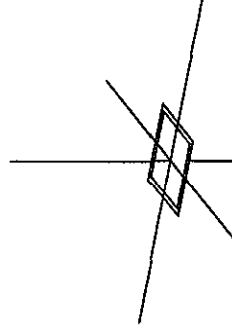
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-341: CPAIR#347:surf(eiset): ECT81T( 16741, S1)\*light;ECT81( 7625, S1)



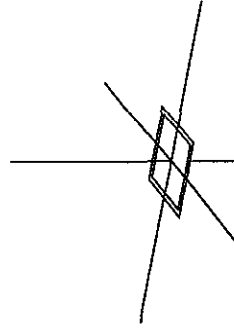
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-336: CPAIR#342:surf(eiset): BT79C( 40072, S2)\*light;ECT79( 40332, SNEC)



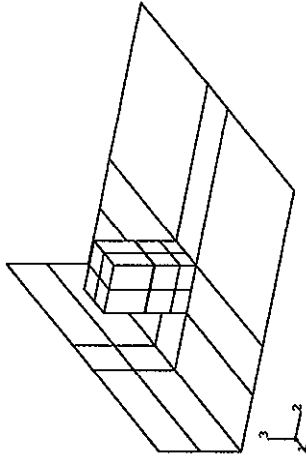
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-339: CPAIR#345:surf(eiset): ECT80T( 16729, S1)\*light;ECT80( 7021, S1)



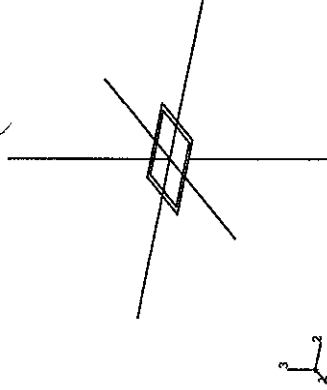
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-342: CPAIR#348:surf(eiset): BT82C( 40084, S2)\*light;ECT82( 40344, SNEC)



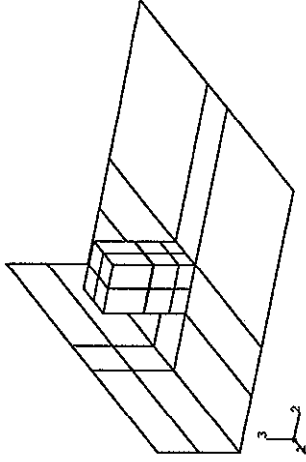
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-340: CPAIR#346:surf(eiset): BT81C( 40080, S2)\*light;ECT81( 40340, SNEC)



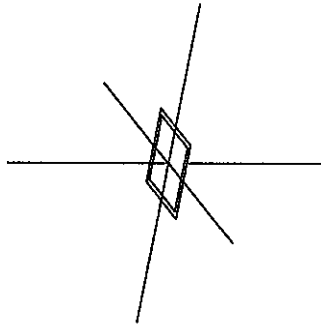
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-343: CPAIR#343;surf(elset): ECB82T( 16753,S1)\*light;ECT82( 7641,S1)



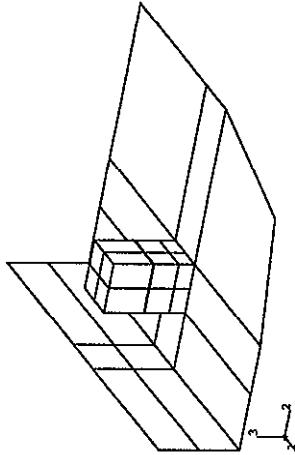
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-344: CPAIR#350;surf(elset): BT83C( 40088,S2)\*light;ECC83( 40348,SNEG)



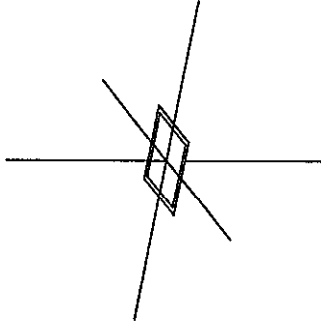
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-345: CPAIR#351;surf(elset): ECB83T( 16765,S1)\*light;ECT83( 7657,S1)



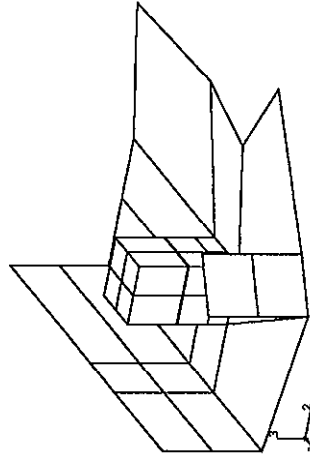
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-346: CPAIR#352;surf(elset): BT84C( 40092,S2)\*light;ECC84( 40352,SNEG)



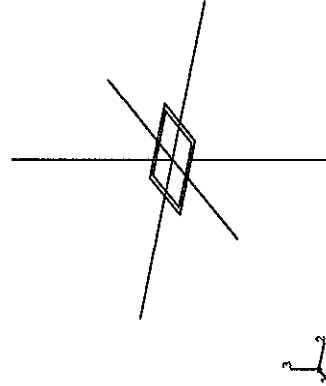
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-347: CPAIR#353;surf(elset): ECB84T( 16777,S1)\*light;ECT84( 7673,S1)



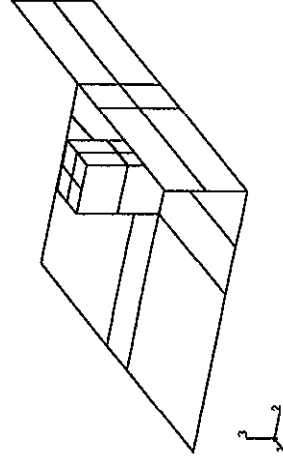
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-348: CPAIR#354;surf(elset): BT85C( 40096,S2)\*light;ECC85( 40356,SNEG)



25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-349: CPAIR#355;surf(elset): ECB85T( 16789,S1)\*light;ECT85( 7689,S1)



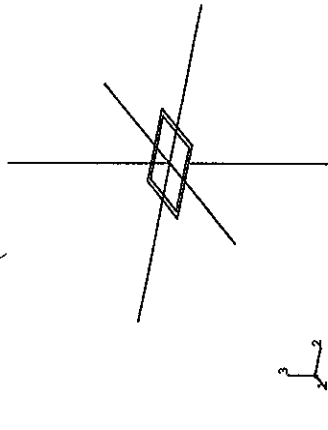
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-350: CPAIR#356;surf(elset): BT86C( 40100,S2)\*light;ECC86( 40360,SNEG)



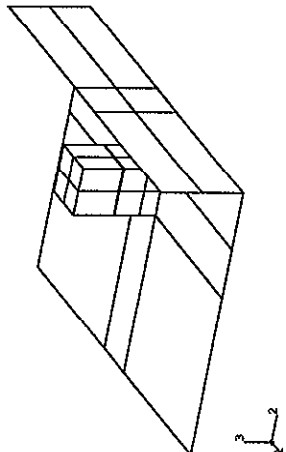
25-NOV-97 10:37:21;by plo\_con;runID:ss0001  
FIG. B-351: CPAIR#357;surf(elset): ECB86T( 16801,S1)\*light;ECT86( 7792,S1)

B-40

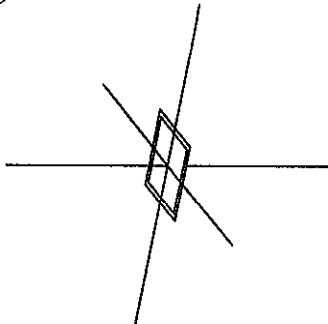




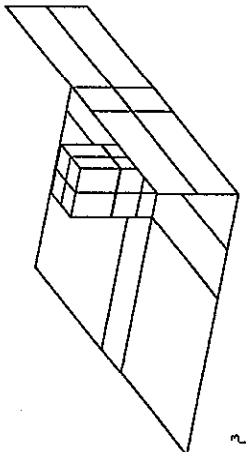
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-352: CPAIR#358:surf(elset): BT87C( 40104,S2)\*light;ECC87( 40364,SNEG)



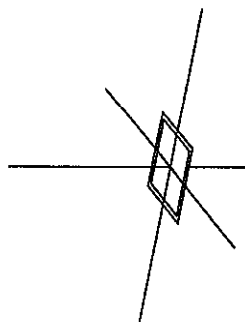
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-353: CPAIR#359:surf(elset): ECB87T( 16813,S1)\*light;ECT87( 7805,S1)



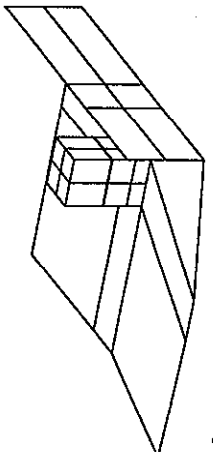
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-354: CPAIR#360:surf(elset): BT88C( 40108,S2)\*light;ECC88( 40368,SNEG)



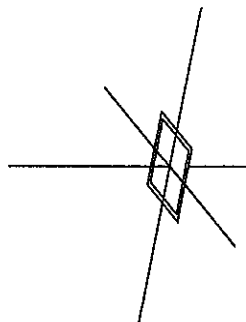
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-355: CPAIR#361:surf(elset): ECB88T( 16925,S1)\*light;ECT88( 7818,S1)



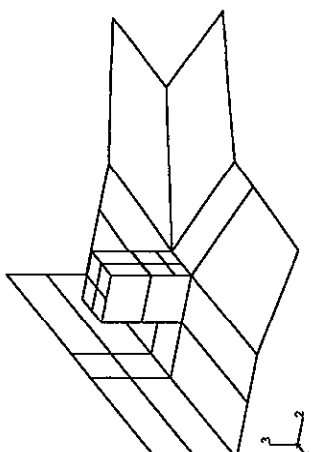
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-356: CPAIR#362:surf(elset): BT88C( 40112,S2)\*light;ECC89( 40372,SNEG)



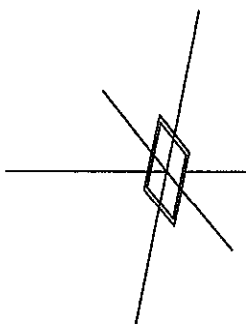
25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-357: CPAIR#363:surf(elset): ECB89T( 16937,S1)\*light;ECT89( 7831,S1)



25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-358: CPAIR#364:surf(elset): BT90C( 40116,S2)\*light;ECC90( 40376,SNEG)

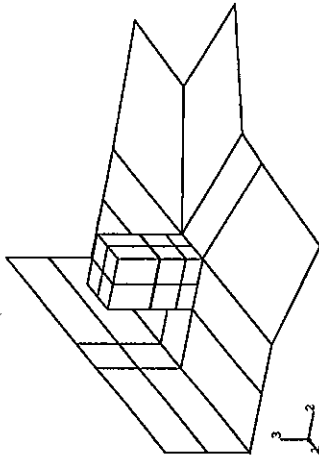


25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-359: CPAIR#365:surf(elset): ECB90T( 16849,S1)\*light;ECT90( 8256,S1)

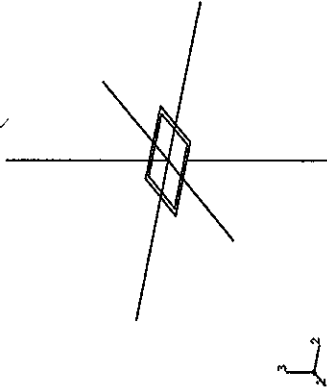


25-NOV-97 10:37:21;by plo\_con:runID:ss0001  
FIG. B-360: CPAIR#366:surf(elset): BT91C( 40120,S2)\*light;ECC91( 40382,SNEG)

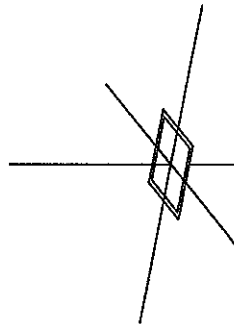
B-41



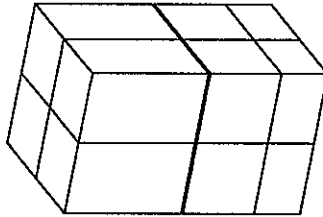
25-NOV-97 10:37:21;by plo\_con:runID:as0001  
FIG. B-361: CPAIR#370:surf(elset): ECB91T( 16861,S1)\*light;ECT91( 8272,S1)



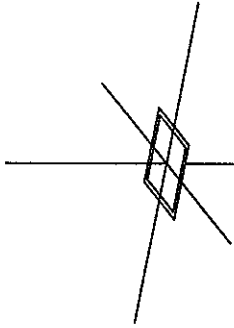
25-NOV-97 10:37:21;by plo\_con:runID:as0001  
FIG. B-362: CPAIR#368:surf(elset): BT92C( 40124,S2)\*light;ECC92( 40388,SNEG)



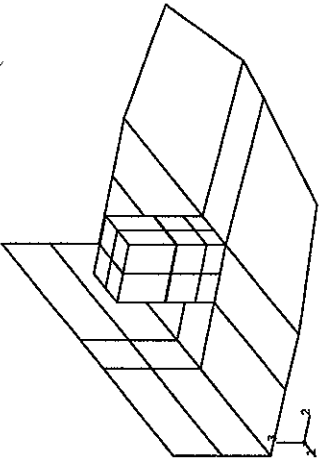
25-NOV-97 10:37:21;by plo\_con:runID:as0001  
FIG. B-364: CPAIR#370:surf(elset): BT93C( 40128,S2)\*light;ECC93( 40394,SNEG)



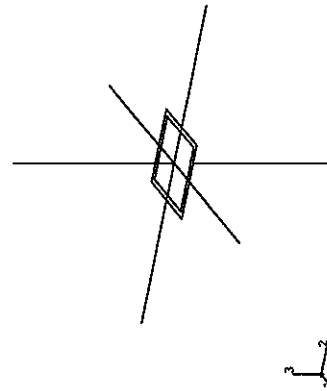
25-NOV-97 10:37:21;by plo\_con:runID:as0001  
FIG. B-365: CPAIR#371:surf(elset): ECB93T( 16885,S1)\*light;ECT93( 9118,S6)



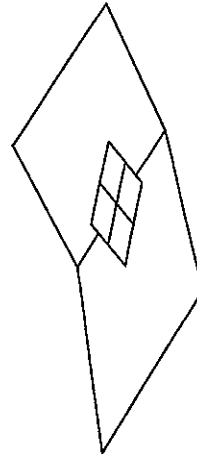
25-NOV-97 10:37:21;by plo\_con:runID:as0001  
FIG. B-366: CPAIR#372:surf(elset): B94T1C( 41132,S2)\*light;ECC94( 40400,SNEG)



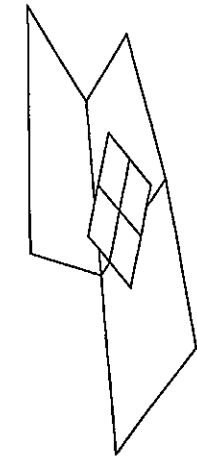
25-NOV-97 10:37:21;by plo\_con:runID:as0001  
FIG. B-363: CPAIR#369:surf(elset): ECB92T( 16873,S1)\*light;ECT92( 8288,S1)



25-NOV-97 10:37:21;by plo\_con:runID:as0001  
FIG. B-368: CPAIR#374:surf(elset): B95T2C( 41136,S2)\*light;ECC95( 40404,SNEG)

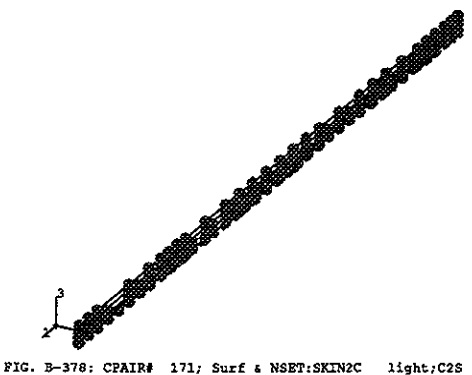
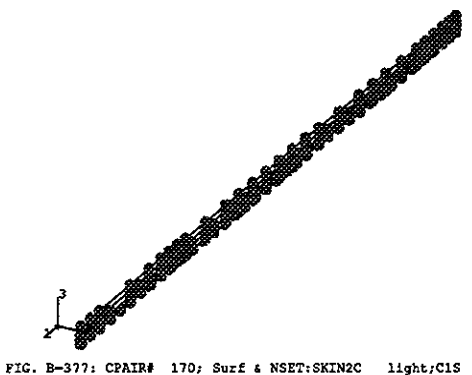
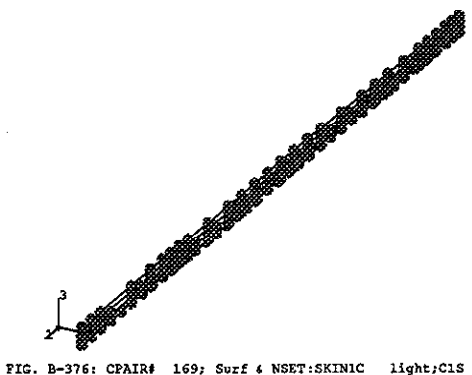
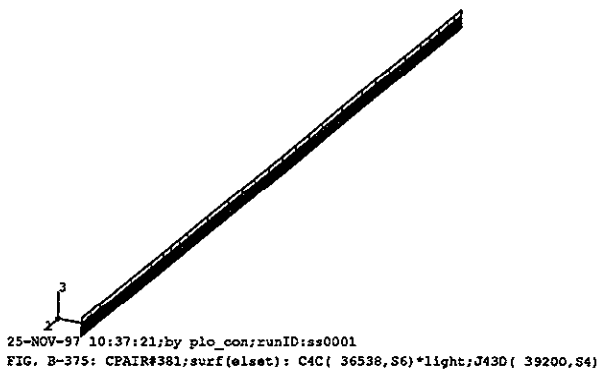
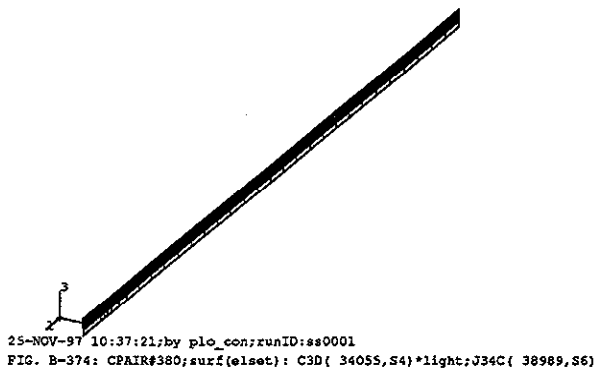
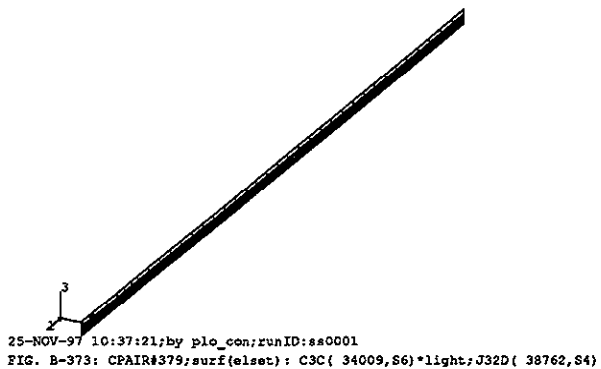
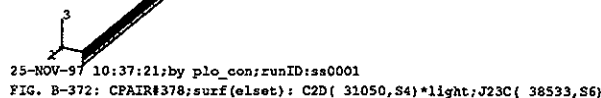
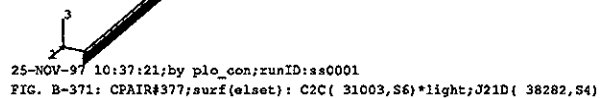
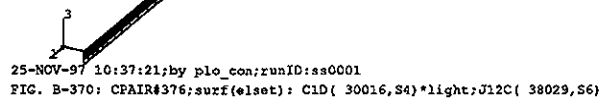


25-NOV-97 10:37:21;by plo\_con:runID:as0001  
FIG. B-369: CPAIR#375:surf(elset): B95T2P( 42236,S1)\*light;EQF6T2( 8932,S1)



25-NOV-97 10:37:21;by plo\_con:runID:as0001  
FIG. B-367: CPAIR#373:surf(elset): B94T1P( 42232,S1)\*light;EQF6T1( 8780,S1)

B-42



B-43

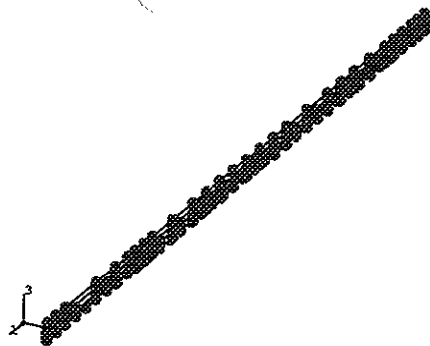


FIG. B-379: CPAIR# 172; Surf & NSET:SKIN3C light;C2S

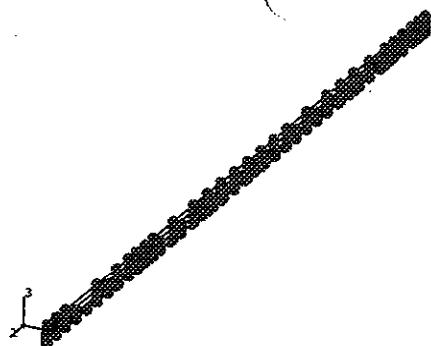


FIG. B-380: CPAIR# 173; Surf & NSET:SKIN3C light;C3S

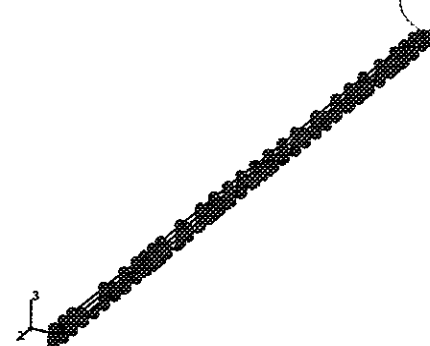


FIG. B-381: CPAIR# 174; Surf & NSET:SKIN4C light;C3S

# STRESS::BASKIN

## JOB 906

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**Last Modified:** 18-AUG-1997 10:04  
**Owner UIC:** [G42,BASKIN]

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**Longest record:** 80 bytes  
**Priority:** 100  
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**Submitted:** 15-NOV-1997 11:00  
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**Printer device:** POSTMO::

Digital Equipment Corporation  
**OpenVMS AXP V6.2**

PrintServer 20 POSTMO  
**DECprint Supervisor V1.2**

B-46

\_S6\$DRB5:[BASKIN.BA.FIX]SS0001.INP;1 18-AUG-1997 10:04 Page 1

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*INCLUDE, INPUT= d42f:[HXIE.BA.FIX]SS.NSET
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*NCOPY, CHANGE NUMBER=33000, OLD SET=NREF, SHIFT
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*INCLUDE, INPUT= d42f:[HXIE.BA.FIX]SS.ELSET SUM
*INCLUDE, INPUT= d42f:[HXIE.BA.FIX]SS.ELSET
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*INCLUDE, INPUT= d42f:[HXIE.BA.FIX]SS.MATERIAL
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*INCLUDE, INPUT= d42f:[HXIE.BA.FIX]SS.STRESS
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*BOUNDARY
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NSYMY, YSYM
CPSYM, YSYM
SKSYM, YSYM
**
*INITIAL CONDITIONS, TYPE=TEMPERATURE
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*STEP
Preload for 10ms
*DYNAMIC, EXPLICIT
,10.0E-3
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*INCLUDE, INPUT= d42f:[HXIE.BA.FIX]SS.CSURF MOD
*INCLUDE, INPUT= d42f:[HXIE.BA.FIX]SS.CPAIR
*INCLUDE, INPUT= d42f:[HXIE.BA.FIX]SS.CPAIR TIED
*INCLUDE, INPUT= d42f:[HXIE.BA.FIX]SS.CINTER
**
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C2EF2,P2NU
C3EF2,P2NU
C4EF2,P2NU
**
*TEMPERATURE
ALLN,-500.0
**
*MONITOR, NODE=15873, DOF=3, FREQ=1
**
*RESTART, WRITE, NUM=1
**
*HISTORY OUTPUT, TIME INTERVAL=0.001
*EL HISTORY, ELSET=ECBU
S33
PREQ
*NODE HISTORY, NSET=BREF
U,V,A
*NODE HISTORY, NSET=NFIXED
```

\_S6\$DRB5:[BASKIN.BA.FIX]SS0001.INP;1 18-AUG-1997 10:04 Page 2

```
RF
*ENERGY HISTORY
ALLKE, ALLIE, ALLPD, ALLSE, ALLVD, ALLKL, ALLFD, ALLAE, ALLWK, ETOTAL
*END STEP
**
*STEP
Run to 20 ms
**
*DYNAMIC, EXPLICIT
,0.010
**
*TEMPERATURE
ALLN,-1000.0
**
*MONITOR, NODE=15873, DOF=3, FREQ=1
**
*RESTART, WRITE, NUM=1
**
*END STEP
**
*STEP
Run to 30 ms
**
*DYNAMIC, EXPLICIT
,0.010
**
*TEMPERATURE
ALLN,-1500.0
**
*MONITOR, NODE=15873, DOF=3, FREQ=1
**
*RESTART, WRITE, NUM=1
**
*END STEP
**
*STEP
One Millisecond to log end values
**
*DYNAMIC, EXPLICIT
,0.001
**
*MONITOR, NODE=15873, DOF=3, FREQ=1
**
*RESTART, WRITE, NUM=1
**
*END STEP
**
```

**STRESS::HXIE**

**JOB 905**

**CASE1D.INP;1**

**File:** \_\$6\$DRB4:[HXIE.BA.FIX]CASE1D.INP;1  
**Last Modified:** 22-OCT-1997 06:55  
**Owner UIC:** [G42,HXIE]

**Length:** 3 blocks  
**Longest record:** 80 bytes  
**Priority:** 100  
**Submit queue:** SYS\$PRINT  
**Submitted:** 15-NOV-1997 10:59  
**Printer queue:** SYS\$PRINT  
**Printer device:** POSTMO::

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\*RESTART,READ,STEP-3

\*\*-----\*\*

\*STEP

1ms of Interactive Run

\*\*

\*DYNAMIC,EXPLICIT

,1.0E-3

\*\*

\*MONITOR,NODE=37427,DOP=3,FREQ=1

\*RESTART,WRITE,NUMBER INTERVAL=1

\*FILE OUTPUT,NUMBER INTERVAL=1

\*\*

\*END STEP

\*\*-----\*\*

\*STEP

9ms of Interactive Run

\*\*

\*DYNAMIC,EXPLICIT

,9.0E-3

\*\*

\*END STEP

\*\*-----\*\*

\*STEP

40ms of Interactive Run

\*\*

\*DYNAMIC,EXPLICIT

,60.0E-3

\*\*

\*RESTART,WRITE,NUMBER INTERVAL=6

\*\*

\*END STEP

\*\*-----\*\*

\*STEP

30ms of Interactive Run

\*\*

\*DYNAMIC,EXPLICIT

,30.0E-3

\*\*

\*RESTART,WRITE,NUMBER INTERVAL=3

\*\*

\*END STEP

\*\*-----\*\*

\*STEP

100ms of Interactive Run

\*\*

\*DYNAMIC,EXPLICIT

,100.0E-3

\*\*

\*RESTART,WRITE,NUMBER INTERVAL=10

\*\*

\*END STEP

\*\*-----\*\*



**STRESS::BASKIN**

**JOB 907**

**NOPRELOAD\_A.INP;1**

**File:** \_\$6\$DRB5:[BASKIN.TEST.CUT.PRELOAD\_A]NOPRELOAD\_A.INP;1  
**Last Modified:** 28-AUG-1997 13:28  
**Owner UIC:** [G42,BASKIN]

**Length:** 5 blocks  
**Longest record:** 80 bytes  
**Priority:** 100  
**Submit queue:** SYS\$PRINT  
**Submitted:** 15-NOV-1997 11:00  
**Printer queue:** SYS\$PRINT  
**Printer device:** POSTMO::

**Digital Equipment Corporation**  
**OpenVMS AXP V6.2**

**PrintServer 20 POSTMO**  
**DECprint Supervisor V1.2**

Item B-49 : Input Deck - Test Case - NoPreload\_A

B-50

\_S6\$DRB5:[BASKIN.TEST.CUT.PRELOAD\_A]NOPRELOAD\_A.INP;1

Page 1

```
*HEADING
BRUCE A BOLER DIVIDER PLATE MODEL - SKIN FIX
**
**
** *PREPRINT, MODEL=NO, HISTORY=NO, ECHO=NO
**
*INCLUDE, input= MODEL.NODE
*INCLUDE, input= MODEL.NSET
**
*NCOPY, CHANGE NUMBER=33000, OLD SET=NREF, SHIFT
0,0,-0.158
**
*INCLUDE, input= MODEL.NODE_XSYMM
**
**
*INCLUDE, input= MODEL.ELEM
*INCLUDE, input= MODEL.ELSET_SUM
*INCLUDE, input= MODEL.ELSET
**
*INCLUDE, input= MODEL.MATERIAL_A
**
*INCLUDE, input= MODEL.STRESS
**
*INCLUDE, input= MODEL.ELSET2
**
*AMPLITUDE, NAME=RAMP1, TIME=TOTAL TIME
0.0,0.0,20.0E-3,0.0,80.0E-3,300.0
**
*BOUNDARY
NFIXED, ENCASTRE
NSYMM, YSYMM
CPSYMM, YSYMM
SKSYMM, YSYMM
XSYMM, XSYMM
**
*INITIAL CONDITIONS, TYPE=TEMPERATURE
ALLN, 70.0
**
*NODE, NSET=N.CONTAC
*INCLUDE, input=MODEL.ADDITIONAL
*STEP
LOAD RAMP
*DYNAMIC, EXPLICIT
,20.0E-3
**
*INCLUDE, input=MODEL.CSURF_MOD
*INCLUDE, input=MODEL.CPAIR
*INCLUDE, input=MODEL.CPAIR_TIED
*INCLUDE, input=MODEL.CINTER
**
*DLOAD, AMP=RAMP1
CIEF2,P2,1.0
CZEF2,P2,1.0
**
*TEMPERATURE
ALLN, -2000.0
**
*MONITOR, NODE=15873, DOF=3, FREQ=1
**
*RESTART, WRITE, NUM=2
**
*HISTORY OUTPUT, TIME INTERVAL=0.001
*EL HISTORY, ELSET=ECBU
S33
```

\_S6\$DRB5:[BASKIN.TEST.CUT.PRELOAD\_A]NOPRELOAD\_A.INP;1

Page 2

```
PREQ.
*NODE HISTORY, NSET=BREF
U,V,A
*NODE HISTORY, NSET=NFIXED
RF
*ENERGY HISTORY
ALLKE, ALLIE, ALLPD, ALLSE, ALLVD, ALLKL, ALLFD, ALLAE, ALLWK, RTOTAL
*END STEP
**
*STEP
LOAD RAMP
*DYNAMIC, EXPLICIT
,20.0E-3
**
*DLOAD, AMP=RAMP1
CIEF2,P2,1.0
CZEF2,P2,1.0
**
*MONITOR, NODE=15873, DOF=3, FREQ=1
**
*RESTART, WRITE, NUM=5
**
*END STEP
**
*STEP
LOAD RAMP
*DYNAMIC, EXPLICIT
,20.0E-3
**
*MONITOR, NODE=15873, DOF=3, FREQ=1
**
*RESTART, WRITE, NUM=10
**
*END STEP
**
*STEP
LOAD RAMP
*DYNAMIC, EXPLICIT
,20.0E-3
**
*MONITOR, NODE=15873, DOF=3, FREQ=1
**
*RESTART, WRITE, NUM=10
**
*END STEP
**
```

# STRESS::BASKIN

## JOB 908

### EXT\_NOPRELOAD\_A\_C.INP;1

**File:** \_\$6\$DRB5:[BASKIN.TEST.CUT.PRELOAD\_A]EXT\_NOPRELOAD\_A\_C.INP;1

**Last Modified:** 11-NOV-1997 10:13

**Owner UIC:** [G42,BASKIN]

**Length:** 1 block  
**Longest record:** 59 bytes  
**Priority:** 100  
**Submit queue:** SYS\$PRINT  
**Submitted:** 15-NOV-1997 11:01  
**Printer queue:** SYS\$PRINT  
**Printer device:** POSTMO::

Digital Equipment Corporation

**OpenVMS AXP V6.2**

PrintServer 20 POSTMO

**DECprint Supervisor V1.2**

Item B-51 : Input Deck - Test Case - Post Analysis - NoPreload\_A

B-52

\_S6\$DRB5: (BASKIN.TEST.CUT.PRELOAD\_A|EXT\_NOPRELOAD\_A.C.INP;1

Page 1

\*HEADING

Bruce B Steam Generator - TEST MODEL

\*POST OUTPUT,STEP=1

25034,50089,

\*NSET,NSET=NPRESS,GEN

1,87500,1

\*NODE PRINT,NSET=NPRESS

U1,U2,U3

\*POST OUTPUT,STEP=2

10017,20030,30043,40058,50094,

\*NODE PRINT,NSET=NPRESS

U1,U2,U3

\*POST OUTPUT,STEP=3

5008,10017,15023,20029,25035,30041,35047,40056,45075,50094,

\*NODE PRINT,NSET=NPRESS

U1,U2,U3

\*POST OUTPUT,STEP=4

5008,10017,15023,20029,25038,30069,35099,35720,

\*NODE PRINT,NSET=NPRESS

U1,U2,U3

Note: File = D42F:[BASKIN.TEST.CUT.PRELOAD\_B]PRELOAD.DIFF;1

**STRESS::BASKIN**

**JOB 909**

**PRELOAD.PS;1**

**File:** \_\$6\$DRB5:[BASKIN.TEST.CUT.PRELOAD\_B]\_PRELOAD\_.PS;1  
**Last Modified:** 15-NOV-1997 11:01  
**Owner UIC:** [G42,BASKIN]

**Length:** 7 blocks  
**Longest record:** 140 bytes  
**Priority:** 100  
**Submit queue:** SYS\$PRINT  
**Submitted:** 15-NOV-1997 11:01  
**Printer queue:** SYS\$PRINT  
**Printer device:** POSTMO::

**Digital Equipment Corporation**  
**OpenVMS AXP V6.2**

**PrintServer 20 POSTMO**  
**DECprint Supervisor V1.2**

Item B-53 : Differences: Test Case - NoPreload\_a VS NoPreload\_B

File D42F:[BASKIN.TEST.CUT.PRELOAD\_B]NOPRELOAD\_B.INP;1

File D42F:[BASKIN.TEST.CUT.PRELOAD\_A]NOPRELOAD\_A.INP;1

\*INCLUDE, input= MODEL.MATERIAL\_B

\*INCLUDE, input= MODEL.MATERIAL\_A

Number of difference sections found: 1

Number of difference records found: 1

DIFFERENCES /IGNORE=()/OUTPUT=D42F:[BASKIN.TEST.CUT.PRELOAD\_B]PRELOAD.DIFF;1/PARALLEL-

D42F:[BASKIN.TEST.CUT.PRELOAD\_B]NOPRELOAD\_B.INP;1-

D42F:[BASKIN.TEST.CUT.PRELOAD\_A]NOPRELOAD\_A.INP;1

# STRESS::BASKIN

## JOB 910

### BIGHOLES\_A.INP;1

**File:** \_\$5DRB5:[BASKIN.TEST.CUT.BIGHOLES\_NOPRELOAD\_A]BIGHOLES\_A.INP;1

**Last Modified:** 4-NOV-1997 11:29

**Owner UIC:** [G42,BASKIN]

Length: 5 blocks  
Longest record: 80 bytes  
Priority: 100  
Submit queue: SYS\$PRINT  
Submitted: 15-NOV-1997 11:02  
Printer queue: SYS\$PRINT  
Printer device: POSTMO::

Digital Equipment Corporation  
**OpenVMS AXP V6.2**

PrintServer 20 POSTMO  
**DECprint Supervisor V1.2**

\_S66D85: (BASKIN TEST CUT BIGHOLES\_NORELOAD\_A)BIGHOLES\_A.INP:1

Page 1

```

*HEADING
BRUCE A BOILER DIVIDER PLATE MODEL - SKIN FIX
**
** *PREPRINT, MODEL=NO, HISTORY=NO, ECHO=NO
**
*INCLUDE, INPUT=MODEL.NODE
**
*INCLUDE, INPUT=MODEL.NSET
0.0, -0.158
**
*INCLUDE, INPUT=MODEL.NODE_XSYM
**
**
*INCLUDE, INPUT=MODEL.ELEM
**
*INCLUDE, INPUT=MODEL.ELEST SUM
**
*INCLUDE, INPUT=MODEL.ELEST
**
*INCLUDE, INPUT=MODEL.MATERIAL_A
**
*INCLUDE, INPUT=MODEL.STRESS
**
*INCLUDE, INPUT=MODEL.ELEST2
**
*AMPLITUDE, NAME=RAMP1, TIME-TOTAL TIME
0.0, 0.0, 20.0E-3, 0.0, 80.0E-3, 300.0
**
**
*BOUNDARY
REFXED, BROADCAST
CNSHED, XSYM
CNSHED, YSYM
CNSHED, ZSYM
XSYM, XSYM
XSYM, XSYM
**
**
*INITIAL CONDITIONS, TYPE=TEMPERATURE
ALN, 70.0
**
*NODE, NSET=N-CONTIG
**
*INCLUDE, INPUT=MODEL.ADDITIONAL
**
*STEP
LOAD RAMP
DYNAMIC, EXPLICIT
*, 20.0E-3
**
*INCLUDE, INPUT=MODEL.CSNR MOD
**
*INCLUDE, INPUT=MODEL.CPAIR NOHOLE
**
*INCLUDE, INPUT=MODEL.CPAIR TIED
**
*INCLUDE, INPUT=MODEL.CINER
**
*DILOAD, AMP=RAMP1
CIEF2,P2,1.0
C2EF2,P2,1.0
**
*MONITOR, NODE=15873, DOF=3, FREQ=1
**
*RESTART, WRITE, NCM=5
**
**
*END STEP
**
*STEP
LOAD RAMP
DYNAMIC, EXPLICIT
*, 20.0E-3
**
*MONITOR, NODE=15873, DOF=3, FREQ=1
**
*RESTART, WRITE, NCM=10
**
**
*END STEP
**

```

\_S66D85: (BASKIN TEST CUT BIGHOLES\_NORELOAD\_A)BIGHOLES\_A.INP:1

Page 2

```

**
**
*ENERGY HISTORY
*HIST, ALN, ALPD, ALSE, ALMD, ALMK, ALPD, ALSE, ALMD, ALMK, ETOAL
**
*END STEP
**
*STEP
LOAD RAMP
DYNAMIC, EXPLICIT
*, 20.0E-3
**
*DILOAD, AMP=RAMP1
CIEF2,P2,1.0
C2EF2,P2,1.0
**
*MONITOR, NODE=15873, DOF=3, FREQ=1
**
*RESTART, WRITE, NCM=5
**
**
*END STEP
**
*STEP
LOAD RAMP
DYNAMIC, EXPLICIT
*, 20.0E-3
**
*MONITOR, NODE=15873, DOF=3, FREQ=1
**
*RESTART, WRITE, NCM=10
**
**
*END STEP
**

```



# STRESS::BASKIN

## JOB 911

BIGHOLES\_A.INP;1

File: \_\$6\$DRB5:[BASKIN.TEST.CUT.BIGHOLES\_PRELOAD\_A]BIGHOLES\_A.I  
NP;1

Last Modified: 27-AUG-1997 09:44

Owner UIC: [G42,BASKIN]

Length: 5 blocks  
Longest record: 80 bytes  
Priority: 100  
Submit queue: SYS\$PRINT  
Submitted: 15-NOV-1997 11:02  
Printer queue: SYS\$PRINT  
Printer device: POSTMO::

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\_S6\$DRB5:[BASKIN.TEST.CUT.BIGHOLES\_PRELOAD\_A]BIGHOLES\_A.INP;1 Page 1

```

*HEADING
BRUCE A BOLER DIVIDER PLATE MODEL - SKIN FIX
**
**
** *PREPRINT, MODEL=NO, HISTORY=NO, ECHO=NO
**
** *INCLUDE, input= MODEL.NODE
** *INCLUDE, input= MODEL.NSET
**
** *NCOPY, CHANGE NUMBER=33000, OLD SET=NREF, SHIFT
0,0,-0.158
**
** *INCLUDE, input= MODEL.NODE_XSYMM
**
**
** *INCLUDE, input= MODEL.ELEM
** *INCLUDE, input= MODEL.ELSET SUM
** *INCLUDE, input= MODEL.ELSET
**
** *INCLUDE, input= MODEL.MATERIAL_A
**
** *INCLUDE, input= MODEL.STRESS
**
** *INCLUDE, INPUT= MODEL.ELSET2
**
** *AMPLITUDE, NAME=RAMP1, TIME=TOTAL TIME
0.0,0.0,20.0E-3,0.0,80.0E-3,300.0
**
** *BOUNDARY
NFIXED, ENCASTRE
NSYMM, YSYMM
CPSYM, YSYMM
SKSYM, YSYMM
XSYMM, XSYMM
**
** *INITIAL CONDITIONS, TYPE=TEMPERATURE
ALLN,70.0
**
** *NODE, NSET=N CONTAC
** *INCLUDE, input=MODEL.ADDITIONAL
** *STEP
LOAD RAMP
** *DYNAMIC, EXPLICIT
,20.0E-3
**
** *INCLUDE, input=MODEL.CSURF MOD
** *INCLUDE, input=MODEL.CPAIR_NOHOLE
** *INCLUDE, input=MODEL.CPAIR_TIED
** *INCLUDE, input=MODEL.CINTER
**
** *DLOAD, AMP=RAMP1
C1EF2,P2,1.0
C2EF2,P2,1.0
**
** *TEMPERATURE
ALLN,-2000.0
**
** *MONITOR, NODE=15873, DOF=3, FREQ=1
**
** *RESTART, WRITE, NUM=2
**
** *HISTORY OUTPUT, TIME INTERVAL=0.001
** *EL HISTORY, ELSET=ECBU
S33

```

\_S6\$DRB5:[BASKIN.TEST.CUT.BIGHOLES\_PRELOAD\_A]BIGHOLES\_A.INP;1 Page 2

```

PEEQ,
** *NODE HISTORY, NSET=BREF
U,V,A
** *NODE HISTORY, NSET=NFIXED
RF
** *ENERGY HISTORY
ALLKE, ALLIE, ALLPD, ALLSE, ALLVD, ALLKL, ALLFD, ALLAE, ALLWK, ETOTAL
** *END STEP
**
** *STEP
LOAD RAMP
** *DYNAMIC, EXPLICIT
,20.0E-3
**
** *DLOAD, AMP=RAMP1
C1EF2,P2,1.0
C2EF2,P2,1.0
**
** *MONITOR, NODE=15873, DOF=3, FREQ=1
**
** *RESTART, WRITE, NUM=5
**
** *END STEP
**
** *STEP
LOAD RAMP
** *DYNAMIC, EXPLICIT
,20.0E-3
**
** *MONITOR, NODE=15873, DOF=3, FREQ=1
**
** *RESTART, WRITE, NUM=10
**
** *END STEP
**
** *STEP
LOAD RAMP
** *DYNAMIC, EXPLICIT
,20.0E-3
**
** *MONITOR, NODE=15873, DOF=3, FREQ=1
**
** *RESTART, WRITE, NUM=10
**
** *END STEP
**

```

Note: File = D42F:[BASKIN.TEST.CUT.NOPRELOAD\_A]NONOPRELOAD\_BIGHOLES.DIFF;1

# STRESS::BASKIN

## JOB 912

**\_NONOPRELOAD\_BIGHOLES\_.PS;1**

**File:** \_\$6\$DRB5:[BASKIN.TEST.CUT.NOPRELOAD\_A]\_NONOPRELOAD\_BIGHOLES\_.PS;1

**Last Modified:** 15-NOV-1997 11:04

**Owner UIC:** [G42,BASKIN]

**Length:** 7 blocks  
**Longest record:** 140 bytes  
**Priority:** 100  
**Submit queue:** SYS\$PRINT  
**Submitted:** 15-NOV-1997 11:04  
**Printer queue:** SYS\$PRINT  
**Printer device:** POSTMO::

Digital Equipment Corporation

**OpenVMS AXP V6.2**

PrintServer 20 POSTMO

**DECprint Supervisor V1.2**

Item B-59 : Differences - Test Case - NoPreload\_A VS BigHoles\_A

File D42F:[BASKIN.TEST.CUT.NOPRELOAD\_A]NOPRELOAD\_A.INP;1

File D42F:[BASKIN.TEST.CUT.BIGHOLES\_NOPRELOAD\_A]BIGHOLES\_A.INP;

47

47

\*INCLUDE, input=MODEL.CPAIR

\*INCLUDE, input=MODEL.CPAIR\_NOHOLE

Number of difference sections found: 1

Number of difference records found: 1

DIFFERENCES /IGNORE=()/OUTPUT=D42F:[BASKIN.TEST.CUT.NOPRELOAD\_A]NONOPRELOAD\_BIGHOLES.DIFF;1/PARALLEL-

D42F:[BASKIN.TEST.CUT.NOPRELOAD\_A]NOPRELOAD\_A.INP;1-

D42F:[BASKIN.TEST.CUT.BIGHOLES\_NOPRELOAD\_A]BIGHOLES\_A.INP;1

