STAAD SPACE

START JOB INFORMATION

ENGINEER DATE 18-Apr-18

END JOB INFORMATION

INPUT WIDTH 79

UNIT METER KN

JOINT COORDINATES

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62 7.28505 0 4.26042; 74 6.30005 0 3.92042; 75 6.80005 0 3.92042;

76 7.28505 0 3.92042; 166 6.30005 0 6.80042; 180 6.30005 0 7.28542;

194 6.30005 0 7.62592; 208 6.30005 0 8.34142; 221 6.80005 0 8.68042;

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MEMBER INCIDENCES

897 885 883; 898 883 884; 1285 1312 1313; 1286 1313 1314;

ELEMENT INCIDENCES SHELL

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971 966 967 988 987; 972 967 968 989 988; 973 968 969 990 989;

974 969 970 991 990; 975 970 971 992 991; 976 971 972 993 992;

977 972 973 994 993; 978 973 974 995 994; 979 974 975 996 995;

980 975 956 977 996; 981 977 976 997 998; 982 976 978 999 997;

983 978 979 1000 999; 984 979 980 1001 1000; 985 980 981 1002 1001;

986 981 982 1003 1002; 987 982 983 1004 1003; 988 983 984 1005 1004;

989 984 985 1006 1005; 990 985 986 1007 1006; 991 987 988 1009 1008;

992 988 989 1010 1009; 993 989 990 1011 1010; 994 990 991 1012 1011;

995 991 992 1013 1012; 996 992 993 1014 1013; 997 993 994 1015 1014;

998 994 995 1016 1015; 999 995 996 1017 1016; 1000 996 977 998 1017;

1001 998 997 1018 1019; 1002 997 999 1020 1018; 1003 999 1000 1021 1020;

1004 1000 1001 1022 1021; 1005 1001 1002 1023 1022; 1006 1002 1003 1024 1023;

1007 1003 1004 1025 1024; 1008 1004 1005 1026 1025; 1009 1005 1006 1027 1026;

1010 1006 1007 1028 1027; 1011 1008 1009 1030 1029; 1012 1009 1010 1031 1030;

1013 1010 1011 1032 1031; 1014 1011 1012 1033 1032; 1015 1012 1013 1034 1033;

1016 1013 1014 1035 1034; 1017 1014 1015 1036 1035; 1018 1015 1016 1037 1036;

1019 1016 1017 1038 1037; 1020 1017 998 1019 1038; 1021 1019 1018 1039 1040;

1022 1018 1020 1041 1039; 1023 1020 1021 1042 1041; 1024 1021 1022 1043 1042;

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1091 1092 1093 1114 1113; 1092 1093 1094 1115 1114; 1093 1094 1095 1116 1115;

1094 1095 1096 1117 1116; 1095 1096 1097 1118 1117; 1096 1097 1098 1119 1118;

1097 1098 1099 1120 1119; 1098 1099 1100 1121 1120; 1099 1100 1101 1122 1121;

1100 1101 1082 1103 1122; 1101 1124 1123 888 890; 1102 1123 1125 892 888;

1103 1125 1126 894 892; 1104 1126 1127 896 894; 1105 1127 1128 898 896;

1106 1128 1129 900 898; 1107 1129 1130 902 900; 1108 1130 1131 904 902;

1109 1131 1132 906 904; 1110 1132 1133 908 906; 1111 1134 1135 916 913;

1112 1135 1136 918 916; 1113 1136 1137 920 918; 1114 1137 1138 922 920;

1115 1138 1139 924 922; 1116 1139 1140 926 924; 1117 1140 1141 928 926;

1118 1141 1142 930 928; 1119 1142 1143 932 930; 1120 1143 1124 890 932;

1121 1145 1144 1123 1124; 1122 1144 1146 1125 1123; 1123 1146 1147 1126 1125;

1124 1147 1148 1127 1126; 1125 1148 1149 1128 1127; 1126 1149 1150 1129 1128;

1127 1150 1151 1130 1129; 1128 1151 1152 1131 1130; 1129 1152 1153 1132 1131;

1130 1153 1154 1133 1132; 1131 1155 1156 1135 1134; 1132 1156 1157 1136 1135;

1133 1157 1158 1137 1136; 1134 1158 1159 1138 1137; 1135 1159 1160 1139 1138;

1136 1160 1161 1140 1139; 1137 1161 1162 1141 1140; 1138 1162 1163 1142 1141;

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1145 1169 1170 1149 1148; 1146 1170 1171 1150 1149; 1147 1171 1172 1151 1150;

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1154 1179 1180 1159 1158; 1155 1180 1181 1160 1159; 1156 1181 1182 1161 1160;

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1160 1185 1166 1145 1164; 1161 1187 1186 1165 1166; 1162 1186 1188 1167 1165;

1163 1188 1189 1168 1167; 1164 1189 1190 1169 1168; 1165 1190 1191 1170 1169;

1166 1191 1192 1171 1170; 1167 1192 1193 1172 1171; 1168 1193 1194 1173 1172;

1169 1194 1195 1174 1173; 1170 1195 1196 1175 1174; 1171 1197 1198 1177 1176;

1172 1198 1199 1178 1177; 1173 1199 1200 1179 1178; 1174 1200 1201 1180 1179;

1175 1201 1202 1181 1180; 1176 1202 1203 1182 1181; 1177 1203 1204 1183 1182;

1178 1204 1205 1184 1183; 1179 1205 1206 1185 1184; 1180 1206 1187 1166 1185;

1181 1208 1207 1186 1187; 1182 1207 1209 1188 1186; 1183 1209 1210 1189 1188;

1184 1210 1211 1190 1189; 1185 1211 1212 1191 1190; 1186 1212 1213 1192 1191;

1187 1213 1214 1193 1192; 1188 1214 1215 1194 1193; 1189 1215 1216 1195 1194;

1190 1216 1217 1196 1195; 1191 1218 1219 1198 1197; 1192 1219 1220 1199 1198;

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1199 1226 1227 1206 1205; 1200 1227 1208 1187 1206; 1201 1229 1228 1207 1208;

1202 1228 1230 1209 1207; 1203 1230 1231 1210 1209; 1204 1231 1232 1211 1210;

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1211 1239 1240 1219 1218; 1212 1240 1241 1220 1219; 1213 1241 1242 1221 1220;

1214 1242 1243 1222 1221; 1215 1243 1244 1223 1222; 1216 1244 1245 1224 1223;

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1220 1248 1229 1208 1227; 1221 1250 1249 1228 1229; 1222 1249 1251 1230 1228;

1223 1251 1252 1231 1230; 1224 1252 1253 1232 1231; 1225 1253 1254 1233 1232;

1226 1254 1255 1234 1233; 1227 1255 1256 1235 1234; 1228 1256 1257 1236 1235;

1229 1257 1258 1237 1236; 1230 1258 1259 1238 1237; 1231 1260 1261 1240 1239;

1232 1261 1262 1241 1240; 1233 1262 1263 1242 1241; 1234 1263 1264 1243 1242;

1235 1264 1265 1244 1243; 1236 1265 1266 1245 1244; 1237 1266 1267 1246 1245;

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1262 1291 1293 1272 1270; 1263 1293 1294 1273 1272; 1264 1294 1295 1274 1273;

1265 1295 1296 1275 1274; 1266 1296 1297 1276 1275; 1267 1297 1298 1277 1276;

1268 1298 1299 1278 1277; 1269 1299 1300 1279 1278; 1270 1300 1301 1280 1279;

1271 1302 1303 1282 1281; 1272 1303 1304 1283 1282; 1273 1304 1305 1284 1283;

1274 1305 1306 1285 1284; 1275 1306 1307 1286 1285; 1276 1307 1308 1287 1286;

1277 1308 1309 1288 1287; 1278 1309 1310 1289 1288; 1279 1310 1311 1290 1289;

1280 1311 1292 1271 1290; 1281 890 888 885; 1282 888 889 885; 1283 885 889 891;

1284 885 891 890;

START GROUP DEFINITION

ELEMENT

\_PILEFACE 4 5 16 TO 18 20 29 TO 31 56 286 287 298 TO 300 302 311 TO 313 338 -

690 691 703 704 715 TO 717 719 728 TO 730 732 741 TO 743 754 TO 756 794 807 -

820 TO 855

\_SHEAR 5 18 29 TO 31 287 300 311 TO 313 691 704 717 730 741 TO 743 -

754 TO 756 824 825 830 831 836 837 842 843 848 849 854 855

\_PLATE-ONLY 902 TO 908 911 TO 918 924 TO 938 944 TO 958 961 TO 1100 -

1104 TO 1118 1124 TO 1138 1141 TO 1280

\_PLATE-SHEAR 904 TO 908 911 TO 916 926 TO 936 946 TO 956 966 TO 976 -

986 TO 996 1001 TO 1100 1106 TO 1116 1126 TO 1136 1146 TO 1156 1166 TO 1176 -

1181 TO 1280

END GROUP DEFINITION

ELEMENT PROPERTY

1 4 5 7 16 TO 18 20 29 TO 31 55 56 285 TO 287 289 298 TO 300 302 311 TO 313 -

337 338 689 TO 691 693 702 TO 704 706 715 TO 717 719 728 TO 730 732 -

741 TO 743 754 TO 756 793 794 806 TO 808 810 811 813 814 816 817 819 TO 855 -

861 TO 863 868 TO 882 887 TO 889 894 TO 896 THICKNESS 0.5

900 TO 908 911 TO 1284 THICKNESS 0.25

DEFINE MATERIAL START

ISOTROPIC CONCRETE

E 2.17185e+007

POISSON 0.17

DENSITY 23.5616

ALPHA 1e-005

DAMP 0.05

TYPE CONCRETE

STRENGTH FCU 27579

ISOTROPIC STEEL

E 2.05e+008

POISSON 0.3

DENSITY 76.8195

ALPHA 1.2e-005

DAMP 0.03

TYPE STEEL

STRENGTH FY 253200 FU 407800 RY 1.5 RT 1.2

END DEFINE MATERIAL

MEMBER PROPERTY INDIAN

898 1286 TABLE FR ISMC200

MEMBER PROPERTY INDIAN

897 1285 PRIS YD 0.6 ZD 0.6

CONSTANTS

MATERIAL CONCRETE MEMB 1 4 5 7 16 TO 18 20 29 TO 31 55 56 285 TO 287 289 298 -

299 TO 300 302 311 TO 313 337 338 689 TO 691 693 702 TO 704 706 715 TO 717 -

719 728 TO 730 732 741 TO 743 754 TO 756 793 794 806 TO 808 810 811 813 814 -

816 817 819 TO 855 861 TO 863 868 TO 882 887 TO 889 894 TO 897 900 TO 908 -

911 TO 1285

MATERIAL STEEL MEMB 898 1286

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

SUPPORTS

49 352 792 805 FIXED BUT MX MZ KFX 2950 KFY 44785 KFZ 2950

888 TO 909 913 914 916 TO 1111 1114 TO 1300 1303 TO 1310 -

1311 ELASTIC MAT DIRECT YONLY SUBGRADE 2000 PRINT

1112 1113 1301 1302 FIXED BUT FY MX MZ

1312 FIXED

LOAD 1 DL STRUCTURE

SELFWEIGHT Y -1

ELEMENT LOAD

1 4 5 16 TO 18 29 TO 31 285 TO 287 298 TO 300 311 TO 313 689 TO 691 -

702 TO 704 715 TO 717 728 TO 730 741 TO 743 754 TO 756 821 823 827 829 832 -

834 838 840 845 847 851 853 871 873 877 879 PR GY -5

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 2 DL GRATING

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 3 DL RAILING

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 4 DL LADDERS

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 5 DL CLADDING

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 6 DL PIPING D < 300 MM

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 7 DL EQUIPMENT CATEGORY I

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 8 DL CABLING

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 9 DL EQUIPMENT CATEGORY II

\*(338.45x9.85)= 34.36kN/m2

ELEMENT LOAD

1 4 5 16 TO 18 29 TO 31 285 TO 287 298 TO 300 311 TO 313 689 TO 691 -

702 TO 704 715 TO 717 728 TO 730 741 TO 743 754 TO 756 821 823 827 829 832 -

834 838 840 845 847 851 853 871 873 877 879 PR -34.36

\*\*\*\*\*

JOINT LOAD

884 1314 FY -40

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 10 DL PIPING D >= 300

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 21 LL PLATFORMS AND STAIRS

ELEMENT LOAD

7 20 55 56 289 302 337 338 693 706 719 732 793 794 806 TO 808 810 811 813 -

814 816 817 819 820 822 824 TO 826 828 830 831 833 835 TO 837 839 -

841 TO 844 846 848 TO 850 852 854 855 861 TO 863 868 TO 870 872 874 TO 876 -

878 880 TO 882 887 TO 889 894 TO 896 PR GY -15

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 26 LL ROOF

\*(4.2x35.14)/20 = 7.38kN

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 28 LL LAYDOWN AREA

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 29 LL HOIST

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 41 OL PIPNG D<300MM CONTENT

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 42 TEST LOAD PIPING D<300MM CONTENT

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 43 OL PIPNG D>=300MM CONTENT

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 44 TEST LOAD PIPING D>=300MM CONTENT

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 45 EQUIPMENT CATEGORY I CONTENT

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 46 TEST LOAD EQUIPMENT CATEGORY I CONTENT

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 47 EQUIPMENT CATEGORY II CONTENT

\*441.45(OP)-338.45(DL)+40(NOZZEL LOAD) = 143kN/9.85 = 14.52kN/m2

ELEMENT LOAD

\*\*\*\*\*\*overpressure operating\*\*\*\*\*\*\*

1 4 5 16 TO 18 29 TO 31 285 TO 287 298 TO 300 311 TO 313 689 TO 691 -

702 TO 704 715 TO 717 728 TO 730 741 TO 743 754 TO 756 821 823 827 829 832 -

834 838 840 845 847 851 853 871 873 877 879 PR GY -14.52

\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*

JOINT LOAD

884 1314 FY -400

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 48 TEST LOAD EQUIPMENT CATEGORY II CONTENT

\*676.89(OP)-338.45(DL) = 338.44kN/9.85 = 34.36kN/m2

ELEMENT LOAD

\*\*\*\*\*\*overpressure Test\*\*\*\*\*\*\*

1 4 5 16 TO 18 29 TO 31 285 TO 287 298 TO 300 311 TO 313 689 TO 691 -

702 TO 704 715 TO 717 728 TO 730 741 TO 743 754 TO 756 821 823 827 829 832 -

834 838 840 845 847 851 853 871 873 877 879 PR GY -34.36

\*(24.06x35.14)/20 = 42.27kN

\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*

JOINT LOAD

884 1314 FY -400

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 49 ANCHOR LOADS

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 51 WINDLOAD +X DIR STEEL STR

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 52 WINDLOAD -X DIR STEEL STR

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 53 WINDLOAD +Z DIR STEEL STR

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 54 WINDLOAD -Z DIR STEEL STR

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 55 WINDLOAD +X DIR PIPING/EQUIP.

\*23.92(DL)+6(NOZZEL LOAD) = 29.92kN/16 = 1.87kN

\*77.75(DL)+43.89(NOZZEL LOAD) = 121.64kNm/2.65 = 45.9kN/8= 5.74kN

JOINT LOAD

12 35 47 48 316 339 350 351 740 753 766 779 790 791 803 804 FX 1.87

316 339 350 351 753 779 803 804 FY 5.74

12 35 47 48 740 766 790 791 FY -5.74

\*\*\*\*\*

JOINT LOAD

884 1314 FX 15 MZ -8

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 56 WINDLOAD -X DIR PIPING/EQUIP.

JOINT LOAD

12 35 47 48 316 339 350 351 740 753 766 779 790 791 803 804 FX -1.87

12 35 47 48 740 766 790 791 FY 5.74

316 339 350 351 753 779 803 804 FY -5.74

\*\*\*\*\*

JOINT LOAD

884 1314 FX -15 MZ 8

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 57 WINDLOAD +Z DIR PIPING/EQUIP.

\*23.92(DL)+6(NOZZEL LOAD) = 29.92kN/16 = 1.87kN

\*77.75(DL)+43.89(NOZZEL LOAD) = 121.64kNm/2.65 = 45.9kN/8= 5.74kN

JOINT LOAD

12 35 47 48 316 339 350 351 740 753 766 779 790 791 803 804 FZ 1.87

12 35 47 48 316 339 350 351 FY 5.74

740 753 766 779 790 791 803 804 FY -5.74

\*\*\*\*\*

JOINT LOAD

884 1314 FZ 15 MX 8

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 58 WINDLOAD -Z DIR PIPING/EQUIP.

JOINT LOAD

12 35 47 48 316 339 350 351 740 753 766 779 790 791 803 804 FZ -1.87

740 753 766 779 790 791 803 804 FY 5.74

12 35 47 48 316 339 350 351 FY -5.74

\*\*\*\*\*

JOINT LOAD

884 1314 FZ -15 MX -8

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 59 WINDLOAD +X DIR ACCESSORY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 60 WINDLOAD -X DIR ACCESSORY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 61 WINDLOAD +Z DIR ACCESSORY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 62 WINDLOAD -Z DIR ACCESSORY

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 68 EXCHANGER BUNDLE PULL FORCE

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 71 EARTHQUAKE +X

JOINT LOAD

12 35 47 48 316 339 350 351 740 753 766 779 790 791 803 804 FX 3.47

316 339 350 351 753 779 803 804 FY 12.28

12 35 47 48 740 766 790 791 FY -12.28

\*\*\*\*\*

JOINT LOAD

884 1314 FX -20 FY -90 MZ 10

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 72 EARTHQUAKE Ã‚Â‚¬Â€ŒX

JOINT LOAD

12 35 47 48 316 339 350 351 740 753 766 779 790 791 803 804 FX -3.47

12 35 47 48 740 766 790 791 FY 12.28

316 339 350 351 753 779 803 804 FY -12.28

\*\*\*\*\*

JOINT LOAD

884 1314 FX 20 FY -90 MZ -10

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 73 EARTHQUAKE +Z

JOINT LOAD

12 35 47 48 316 339 350 351 740 753 766 779 790 791 803 804 FZ 3.47

12 35 47 48 316 339 350 351 FY 12.28

740 753 766 779 790 791 803 804 FY -12.28

\*\*\*\*\*

JOINT LOAD

884 1314 FY -90 FZ 20 MX 10

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 74 EARTHQUAKE Ã‚Â‚¬Â€ŒZ

JOINT LOAD

12 35 47 48 316 339 350 351 740 753 766 779 790 791 803 804 FZ -3.47

740 753 766 779 790 791 803 804 FY 12.28

12 35 47 48 316 339 350 351 FY -12.28

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JOINT LOAD

884 1314 FY -90 FZ -20 MX -10

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 75 EQUIPMENT EARTHQUAKE +X BY VENDOR

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 76 EQUIPMENT EARTHQUAKE -X BY VENDOR

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LOAD 77 EQUIPMENT EARTHQUAKE +Z BY VENDOR

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 78 EQUIPMENT EARTHQUAKE -Z BY VENDOR

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LOAD 81 THERMAL PROCESS LOADS +X DIR

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 82 THERMAL PROCESS LOADS -X DIR

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 83 THERMAL PROCESS LOADS +Z DIR

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 84 THERMAL PROCESS LOADS -Z DIR

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 85 AMBIENT TEMP LOADS + DELTA

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 86 AMBIENT TEMP LOADS - DELTA

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 91 IMPERFECTION EQUIVALENT HORIZONTAL LOADS +X DIR

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 92 IMPERFECTION EQUIVALENT HORIZONTAL LOADS -X DIR

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 93 IMPERFECTION EQUIVALENT HORIZONTAL LOADS +Z DIR

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

LOAD 94 IMPERFECTION EQUIVALENT HORIZONTAL LOADS -Z DIR

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*SLS Load comb Combinations

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*SLS Load comb Combinations

\*LOAD 1001 1.0D+0.7LL+0.8OLE+0.8AL+0.8TO+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.7 26 0.7 -

\*41 0.8 43 0.8 45 0.8 47 0.8 49 0.8 81 0.8 85 0.5 91 1.0

\*LOAD 1002 1.0D+0.7LL+0.8OLE+0.8AL+0.8TO+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.7 26 0.7 -

\*41 0.8 43 0.8 45 0.8 47 0.8 49 0.8 82 0.8 85 0.5 92 1.0

\*LOAD 1003 1.0D+0.7LL+0.8OLE+0.8AL+0.8TO+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.7 26 0.7 -

\*41 0.8 43 0.8 45 0.8 47 0.8 49 0.8 83 0.8 85 0.5 93 1.0

\*LOAD 1004 1.0D+0.7LL+0.8OLE+0.8TO+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.7 26 0.7 -

\*41 0.8 43 0.8 45 0.8 47 0.8 49 0.8 84 0.8 85 0.5 94 1.0

\*LOAD 1005 1.0D+0.7LL+0.8OLE+0.8AL+0.8TO+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.7 26 0.7 -

\*41 0.8 43 0.8 45 0.8 47 0.8 49 0.8 81 0.8 86 0.5 91 1.0

\*LOAD 1006 1.0D+0.7LL+0.8OLE+0.8AL+0.8TO+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.7 26 0.7 -

\*41 0.8 43 0.8 45 0.8 47 0.8 49 0.8 82 0.8 86 0.5 92 1.0

\*LOAD 1007 1.0D+0.7LL+0.8OLE+0.8AL+0.8TO+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.7 26 0.7 -

\*41 0.8 43 0.8 45 0.8 47 0.8 49 0.8 83 0.8 86 0.5 93 1.0

\*LOAD 1008 1.0D+0.7LL+0.8OLE+0.8AL+0.8TO+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.7 26 0.7 -

\*41 0.8 43 0.8 45 0.8 47 0.8 49 0.8 84 0.8 86 0.5 94 1.0

\*LOAD 1009 1.0D+0.15LL+0.9OLE+0.9AL+0.9TO+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*41 0.9 43 0.9 45 0.9 47 0.9 49 0.9 81 0.9 85 0.5 91 1.0

\*LOAD 1010 1.0D+0.15LL+0.9OLE+0.9AL+0.9TO+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*41 0.9 43 0.9 45 0.9 47 0.9 49 0.9 82 0.9 85 0.5 92 1.0

\*LOAD 1011 1.0D+0.15LL+0.9OLE+0.9AL+0.9TO+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*41 0.9 43 0.9 45 0.9 47 0.9 49 0.9 83 0.9 85 0.5 93 1.0

\*LOAD 1012 1.0D+0.15LL+0.9OLE+0.9AL+0.9TO+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*41 0.9 43 0.9 45 0.9 47 0.9 49 0.9 84 0.9 85 0.5 94 1.0

\*LOAD 1013 1.0D+0.15LL+0.9OLE+0.9AL+0.9TO+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*41 0.9 43 0.9 45 0.9 47 0.9 49 0.9 81 0.9 86 0.5 91 1.0

\*LOAD 1014 1.0D+0.15LL+0.9OLE+0.9AL+0.9TO+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*41 0.9 43 0.9 45 0.9 47 0.9 49 0.9 82 0.9 86 0.5 92 1.0

\*LOAD 1015 1.0D+0.15LL+0.9OLE+0.9AL+0.9TO+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*41 0.9 43 0.9 45 0.9 47 0.9 49 0.9 83 0.9 86 0.5 93 1.0

\*LOAD 1016 1.0D+0.15LL+0.9OLE+0.9AL+0.9TO+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*41 0.9 43 0.9 45 0.9 47 0.9 49 0.9 84 0.9 86 0.5 94 1.0

\*LOAD 1101 1.0D+0.7LL+0.8HT+0.8AL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.7 26 0.7 -

\*42 0.8 44 0.8 46 0.8 48 0.8 49 0.8 85 0.5 91 1.0

\*LOAD 1102 1.0D+0.7LL+0.8HT+0.8AL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.7 26 0.7 -

\*42 0.8 44 0.8 46 0.8 48 0.8 49 0.8 85 0.5 92 1.0

\*LOAD 1103 1.0D+0.7LL+0.8HT+0.8AL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.7 26 0.7 -

\*42 0.8 44 0.8 46 0.8 48 0.8 49 0.8 85 0.5 93 1.0

\*LOAD 1104 1.0D+0.7LL+0.8HT+0.8AL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.7 26 0.7 -

\*42 0.8 44 0.8 46 0.8 48 0.8 49 0.8 85 0.5 94 1.0

\*LOAD 1105 1.0D+0.7LL+0.8HT+0.8AL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.7 26 0.7 -

\*42 0.8 44 0.8 46 0.8 48 0.8 49 0.8 86 0.5 91 1.0

\*LOAD 1106 1.0D+0.7LL+0.8HT+0.8AL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.7 26 0.7 -

\*42 0.8 44 0.8 46 0.8 48 0.8 49 0.8 86 0.5 92 1.0

\*LOAD 1107 1.0D+0.7LL+0.8HT+0.8AL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.7 26 0.7 -

\*42 0.8 44 0.8 46 0.8 48 0.8 49 0.8 86 0.5 93 1.0

\*LOAD 1108 1.0D+0.7LL+0.8HT+0.8AL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.7 26 0.7 -

\*42 0.8 44 0.8 46 0.8 48 0.8 49 0.8 86 0.5 94 1.0

\*LOAD 1109 1.0D+0.15LL+0.9HT+0.9AL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*42 0.9 44 0.9 46 0.9 48 0.9 49 0.9 85 0.5 91 1.0

\*LOAD 1110 1.0D+0.15LL+0.9HT+0.9AL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*42 0.9 44 0.9 46 0.9 48 0.9 49 0.9 85 0.5 92 1.0

\*LOAD 1111 1.0D+0.15LL+0.9HT+0.9AL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*42 0.9 44 0.9 46 0.9 48 0.9 49 0.9 85 0.5 93 1.0

\*LOAD 1112 1.0D+0.15LL+0.9HT+0.9AL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*42 0.9 44 0.9 46 0.9 48 0.9 49 0.9 85 0.5 94 1.0

\*LOAD 1113 1.0D+0.15LL+0.9HT+0.9AL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*42 0.9 44 0.9 46 0.9 48 0.9 49 0.9 86 0.5 91 1.0

\*LOAD 1114 1.0D+0.15LL+0.9HT+0.9AL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*42 0.9 44 0.9 46 0.9 48 0.9 49 0.9 86 0.5 92 1.0

\*LOAD 1115 1.0D+0.15LL+0.9HT+0.9AL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*42 0.9 44 0.9 46 0.9 48 0.9 49 0.9 86 0.5 93 1.0

\*LOAD 1116 1.0D+0.15LL+0.9HT+0.9AL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*42 0.9 44 0.9 46 0.9 48 0.9 49 0.9 86 0.5 94 1.0

\*LOAD 1201 1.0D+1.0LLM+0.15LLPLT+1.0EXPULL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*28 1.0 29 1.0 68 1.0 85 0.5 91 1.0

\*LOAD 1202 1.0D+1.0LLM+0.15LLPLT+1.0EXPULL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*28 1.0 29 1.0 68 1.0 85 0.5 92 1.0

\*LOAD 1203 1.0D+1.0LLM+0.15LLPLT+1.0EXPULL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*28 1.0 29 1.0 68 1.0 85 0.5 93 1.0

\*LOAD 1204 1.0D+1.0LLM+0.15LLPLT+1.0EXPULL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*28 1.0 29 1.0 68 1.0 85 0.5 94 1.0

\*LOAD 1205 1.0D+1.0LLM+0.15LLPLT+1.0EXPULL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*28 1.0 29 1.0 68 1.0 86 0.5 91 1.0

\*LOAD 1206 1.0D+1.0LLM+0.15LLPLT+1.0EXPULL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*28 1.0 29 1.0 68 1.0 86 0.5 92 1.0

\*LOAD 1207 1.0D+1.0LLM+0.15LLPLT+1.0EXPULL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*28 1.0 29 1.0 68 1.0 86 0.5 93 1.0

\*LOAD 1208 1.0D+1.0LLM+0.15LLPLT+1.0EXPULL+0.5TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 26 0.15 -

\*28 1.0 29 1.0 68 1.0 86 0.5 94 1.0

\*LOAD 1501 1.0D+1.0OLE+1.0AL+1.0W+1.0TO+0.6TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 41 1.0 43 1.0 -

\*45 1.0 47 1.0 49 1.0 51 1.0 55 1.0 59 1.0 85 0.6 91 1.0

\*LOAD 1502 1.0D+1.0OLE+1.0AL+1.0W+1.0TO+0.6TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 41 1.0 43 1.0 -

\*45 1.0 47 1.0 49 1.0 52 1.0 56 1.0 60 1.0 85 0.6 92 1.0

\*LOAD 1503 1.0D+1.0OLE+1.0AL+1.0W+1.0TO+0.6TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 41 1.0 43 1.0 -

\*45 1.0 47 1.0 49 1.0 53 1.0 57 1.0 61 1.0 85 0.6 93 1.0

\*LOAD 1504 1.0D+1.0OLE+1.0AL+1.0W+1.0TO+0.6TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 41 1.0 43 1.0 -

\*45 1.0 47 1.0 49 1.0 54 1.0 58 1.0 62 1.0 85 0.6 94 1.0

\*LOAD 1505 1.0D+1.0OLE+1.0AL+1.0W+1.0TO+0.6TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 41 1.0 43 1.0 -

\*45 1.0 47 1.0 49 1.0 51 1.0 55 1.0 59 1.0 86 0.6 91 1.0

\*LOAD 1506 1.0D+1.0OLE+1.0AL+1.0W+1.0TO+0.6TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 41 1.0 43 1.0 -

\*45 1.0 47 1.0 49 1.0 52 1.0 56 1.0 60 1.0 86 0.6 92 1.0

\*LOAD 1507 1.0D+1.0OLE+1.0AL+1.0W+1.0TO+0.6TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 41 1.0 43 1.0 -

\*45 1.0 47 1.0 49 1.0 53 1.0 57 1.0 61 1.0 86 0.6 93 1.0

\*LOAD 1508 1.0D+1.0OLE+1.0AL+1.0W+1.0TO+0.6TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 41 1.0 43 1.0 -

\*45 1.0 47 1.0 49 1.0 54 1.0 58 1.0 62 1.0 86 0.6 94 1.0

\*LOAD 1601 1.0D+1.0HT+1.0AL+0.6W+0.6TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 42 1.0 44 1.0 -

\*46 1.0 48 1.0 49 1.0 51 0.6 55 0.6 59 0.6 85 0.6 91 1.0

\*LOAD 1602 1.0D+1.0HT+1.0AL+0.6W+0.6TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 42 1.0 44 1.0 -

\*46 1.0 48 1.0 49 1.0 52 0.6 56 0.6 60 0.6 85 0.6 92 1.0

\*LOAD 1603 1.0D+1.0HT+1.0AL+0.6W+0.6TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 42 1.0 44 1.0 -

\*46 1.0 48 1.0 49 1.0 53 0.6 57 0.6 61 0.6 85 0.6 93 1.0

\*LOAD 1604 1.0D+1.0HT+1.0AL+0.6W+0.6TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 42 1.0 44 1.0 -

\*46 1.0 48 1.0 49 1.0 54 0.6 58 0.6 62 0.6 85 0.6 94 1.0

\*LOAD 1605 1.0D+1.0HT+1.0AL+0.6W+0.6TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 42 1.0 44 1.0 -

\*46 1.0 48 1.0 49 1.0 51 0.6 55 0.6 59 0.6 86 0.6 91 1.0

\*LOAD 1606 1.0D+1.0HT+1.0AL+0.6W+0.6TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 42 1.0 44 1.0 -

\*46 1.0 48 1.0 49 1.0 52 0.6 56 0.6 60 0.6 86 0.6 92 1.0

\*LOAD 1607 1.0D+1.0HT+1.0AL+0.6W+0.6TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 42 1.0 44 1.0 -

\*46 1.0 48 1.0 49 1.0 53 0.6 57 0.6 61 0.6 86 0.6 93 1.0

\*LOAD 1608 1.0D+1.0HT+1.0AL+0.6W+0.6TS+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 42 1.0 44 1.0 -

\*46 1.0 48 1.0 49 1.0 54 0.6 58 0.6 62 0.6 86 0.6 94 1.0

\*\*\*\*\*Local beam deflection check

\*LOAD 1701 1.0D+0.15LL+0.8OLE+0.8AL+1.0SES+0.8TO+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 0.8 -

\*43 0.8 45 0.8 47 0.8 49 0.8 75 1.0 82 0.8 91 1.0

\*LOAD 1702 1.0D+0.15LL+0.8OLE+0.8AL+1.0SES+0.8TO+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 0.8 -

\*43 0.8 45 0.8 47 0.8 49 0.8 76 1.0 83 0.8 92 1.0

\*LOAD 1703 1.0D+0.15LL+0.8OLE+0.8AL+1.0SES+0.8TO+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 0.8 -

\*43 0.8 45 0.8 47 0.8 49 0.8 77 1.0 84 0.8 93 1.0

\*LOAD 1704 1.0D+0.15LL+0.8OLE+0.8AL+1.0SES+0.8TO+1.0I

\*REPEAT LOAD

\*1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 0.8 -

\*43 0.8 45 0.8 47 0.8 49 0.8 78 1.0 85 0.8 94 1.0

\*\*\*\*\*SLS FOR SETTLEMENT AND CRACK LIMITATIONS

LOAD COMB 1801 1.0D+1.0LL+0.8OLE+0.8AL+0.8TO+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 1.0 26 1.0 -

41 0.8 43 0.8 45 0.8 47 0.8 49 0.8 81 0.8 85 1.0 91 1.0

LOAD COMB 1802 1.0D+1.0LL+0.8OLE+0.8AL+0.8TO+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 1.0 26 1.0 -

41 0.8 43 0.8 45 0.8 47 0.8 49 -0.8 82 0.8 85 1.0 92 1.0

LOAD COMB 1803 1.0D+1.0LL+0.8OLE+0.8AL+0.8TO+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 1.0 26 1.0 -

41 0.8 43 0.8 45 0.8 47 0.8 49 0.8 83 0.8 85 1.0 93 1.0

LOAD COMB 1804 1.0D+1.0LL+0.8OLE+0.8AL+0.8TO+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 1.0 26 1.0 -

41 0.8 43 0.8 45 0.8 47 0.8 49 -0.8 84 0.8 85 1.0 94 1.0

LOAD COMB 1805 1.0D+1.0LL+0.8OLE+0.8AL+0.8TO+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 1.0 26 1.0 -

41 0.8 43 0.8 45 0.8 47 0.8 49 0.8 81 0.8 86 1.0 91 1.0

LOAD COMB 1806 1.0D+1.0LL+0.8OLE+0.8AL+0.8TO+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 1.0 26 1.0 -

41 0.8 43 0.8 45 0.8 47 0.8 49 -0.8 82 0.8 86 1.0 92 1.0

LOAD COMB 1807 1.0D+1.0LL+0.8OLE+0.8AL+0.8TO+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 1.0 26 1.0 -

41 0.8 43 0.8 45 0.8 47 0.8 49 0.8 83 0.8 86 1.0 93 1.0

LOAD COMB 1808 1.0D+1.0LL+0.8OLE+0.8AL+0.8TO+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 1.0 26 1.0 -

41 0.8 43 0.8 45 0.8 47 0.8 49 -0.8 84 0.8 86 1.0 94 1.0

LOAD COMB 1809 1.0D+0.15LL+1.0OLE+1.0AL+1.0TO+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 1.0 -

43 1.0 45 1.0 47 1.0 49 1.0 81 1.0 85 1.0 91 1.0

LOAD COMB 1810 1.0D+0.15LL+1.0OLE+1.0AL+1.0TO+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 1.0 -

43 1.0 45 1.0 47 1.0 49 -1.0 82 1.0 85 1.0 92 1.0

LOAD COMB 1811 1.0D+0.15LL+1.0OLE+1.0AL+1.0TO+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 1.0 -

43 1.0 45 1.0 47 1.0 49 1.0 83 1.0 85 1.0 93 1.0

LOAD COMB 1812 1.0D+0.15LL+1.0OLE+1.0AL+1.0TO+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 1.0 -

43 1.0 45 1.0 47 1.0 49 -1.0 84 1.0 85 1.0 94 1.0

LOAD COMB 1813 1.0D+0.15LL+1.0OLE+1.0AL+1.0TO+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 1.0 -

43 1.0 45 1.0 47 1.0 49 1.0 81 1.0 86 1.0 91 1.0

LOAD COMB 1814 1.0D+0.15LL+1.0OLE+1.0AL+1.0TO+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 1.0 -

43 1.0 45 1.0 47 1.0 49 -1.0 82 1.0 86 1.0 92 1.0

LOAD COMB 1815 1.0D+0.15LL+1.0OLE+1.0AL+1.0TO+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 1.0 -

43 1.0 45 1.0 47 1.0 49 1.0 83 1.0 86 1.0 93 1.0

LOAD COMB 1816 1.0D+0.15LL+1.0OLE+1.0AL+1.0TO+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 1.0 -

43 1.0 45 1.0 47 1.0 49 -1.0 84 1.0 86 1.0 94 1.0

LOAD COMB 1817 1.0D+1.0LL+0.8HT+0.8AL+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 1.0 26 1.0 -

42 0.8 44 0.8 46 0.8 48 0.8 49 0.8 85 1.0 91 1.0

LOAD COMB 1818 1.0D+1.0LL+0.8HT+0.8AL+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 1.0 26 1.0 -

42 0.8 44 0.8 46 0.8 48 0.8 49 -0.8 85 1.0 92 1.0

LOAD COMB 1819 1.0D+1.0LL+0.8HT+0.8AL+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 1.0 26 1.0 -

42 0.8 44 0.8 46 0.8 48 0.8 49 0.8 85 1.0 93 1.0

LOAD COMB 1820 1.0D+1.0LL+0.8HT+0.8AL+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 1.0 26 1.0 -

42 0.8 44 0.8 46 0.8 48 0.8 49 -0.8 85 1.0 94 1.0

LOAD COMB 1821 1.0D+1.0LL+0.8HT+0.8AL+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 1.0 26 1.0 -

42 0.8 44 0.8 46 0.8 48 0.8 49 0.8 86 1.0 91 1.0

LOAD COMB 1822 1.0D+1.0LL+0.8HT+0.8AL+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 1.0 26 1.0 -

42 0.8 44 0.8 46 0.8 48 0.8 49 -0.8 86 1.0 92 1.0

LOAD COMB 1823 1.0D+1.0LL+0.8HT+0.8AL+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 1.0 26 1.0 -

42 0.8 44 0.8 46 0.8 48 0.8 49 0.8 86 1.0 93 1.0

LOAD COMB 1824 1.0D+1.0LL+0.8HT+0.8AL+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 1.0 26 1.0 -

42 0.8 44 0.8 46 0.8 48 0.8 49 -0.8 86 1.0 94 1.0

LOAD COMB 1825 1.0D+0.15LL+1.0HT+1.0AL+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 42 1.0 -

44 1.0 46 1.0 48 1.0 49 1.0 85 1.0 91 1.0

LOAD COMB 1826 1.0D+0.15LL+1.0HT+1.0AL+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 42 1.0 -

44 1.0 46 1.0 48 1.0 49 -1.0 85 1.0 92 1.0

LOAD COMB 1827 1.0D+0.15LL+1.0HT+1.0AL+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 42 1.0 -

44 1.0 46 1.0 48 1.0 49 1.0 85 1.0 93 1.0

LOAD COMB 1828 1.0D+0.15LL+1.0HT+1.0AL+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 42 1.0 -

44 1.0 46 1.0 48 1.0 49 -1.0 85 1.0 94 1.0

LOAD COMB 1829 1.0D+0.15LL+1.0HT+1.0AL+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 42 1.0 -

44 1.0 46 1.0 48 1.0 49 1.0 86 1.0 91 1.0

LOAD COMB 1830 1.0D+0.15LL+1.0HT+1.0AL+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 42 1.0 -

44 1.0 46 1.0 48 1.0 49 -1.0 86 1.0 92 1.0

LOAD COMB 1831 1.0D+0.15LL+1.0HT+1.0AL+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 42 1.0 -

44 1.0 46 1.0 48 1.0 49 1.0 86 1.0 93 1.0

LOAD COMB 1832 1.0D+0.15LL+1.0HT+1.0AL+1.0TS+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 42 1.0 -

44 1.0 46 1.0 48 1.0 49 -1.0 86 1.0 94 1.0

LOAD COMB 1901 1.0D+0.15LL+0.8OLE+0.8AL+1.0W+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 0.8 -

43 0.8 45 0.8 47 0.8 49 0.8 51 1.0 55 1.0 59 1.0 91 1.0

LOAD COMB 1902 1.0D+0.15LL+0.8OLE+0.8AL+1.0W+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 0.8 -

43 0.8 45 0.8 47 0.8 49 -0.8 52 1.0 56 1.0 60 1.0 92 1.0

LOAD COMB 1903 1.0D+0.15LL+0.8OLE+0.8AL+1.0W+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 0.8 -

43 0.8 45 0.8 47 0.8 49 0.8 53 1.0 57 1.0 61 1.0 93 1.0

LOAD COMB 1904 1.0D+0.15LL+0.8OLE+0.8AL+1.0W+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 0.8 -

43 0.8 45 0.8 47 0.8 49 -0.8 54 1.0 58 1.0 62 1.0 94 1.0

LOAD COMB 1905 1.0D+0.15LL+0.8OLE+0.8AL+1.0W+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 0.8 -

43 0.8 45 0.8 47 0.8 49 0.8 51 1.0 55 1.0 59 1.0 91 1.0

LOAD COMB 1906 1.0D+0.15LL+0.8OLE+0.8AL+1.0W+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 0.8 -

43 0.8 45 0.8 47 0.8 49 -0.8 52 1.0 56 1.0 60 1.0 92 1.0

LOAD COMB 1907 1.0D+0.15LL+0.8OLE+0.8AL+1.0W+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 0.8 -

43 0.8 45 0.8 47 0.8 49 0.8 53 1.0 57 1.0 61 1.0 93 1.0

LOAD COMB 1908 1.0D+0.15LL+0.8OLE+0.8AL+1.0W+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 0.8 -

43 0.8 45 0.8 47 0.8 49 -0.8 54 1.0 58 1.0 62 1.0 94 1.0

LOAD COMB 1909 1.0D+0.15LL+0.8HT+0.8AL+0.6W+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 42 0.8 -

44 0.8 46 0.8 48 0.8 49 0.8 51 0.6 55 0.6 59 0.6 91 1.0

LOAD COMB 1910 1.0D+0.15LL+0.8HT+0.8AL+0.6W+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 42 0.8 -

44 0.8 46 0.8 48 0.8 49 -0.8 52 0.6 56 0.6 60 0.6 92 1.0

LOAD COMB 1911 1.0D+0.15LL+0.8HT+0.8AL+0.6W+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 42 0.8 -

44 0.8 46 0.8 48 0.8 49 0.8 53 0.6 57 0.6 61 0.6 93 1.0

LOAD COMB 1912 1.0D+0.15LL+0.8HT+0.8AL+0.6W+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 42 0.8 -

44 0.8 46 0.8 48 0.8 49 -0.8 54 0.6 58 0.6 62 0.6 94 1.0

LOAD COMB 1913 1.0D+0.15LL+0.8HT+0.8AL+0.6W+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 42 0.8 -

44 0.8 46 0.8 48 0.8 49 0.8 51 0.6 55 0.6 59 0.6 91 1.0

LOAD COMB 1914 1.0D+0.15LL+0.8HT+0.8AL+0.6W+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 42 0.8 -

44 0.8 46 0.8 48 0.8 49 -0.8 52 0.6 56 0.6 60 0.6 92 1.0

LOAD COMB 1915 1.0D+0.15LL+0.8HT+0.8AL+0.6W+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 42 0.8 -

44 0.8 46 0.8 48 0.8 49 0.8 53 0.6 57 0.6 61 0.6 93 1.0

LOAD COMB 1916 1.0D+0.15LL+0.8HT+0.8AL+0.6W+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 42 0.8 -

44 0.8 46 0.8 48 0.8 49 -0.8 54 0.6 58 0.6 62 0.6 94 1.0

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*ULS Load Combinations for Global Design

LOAD COMB 2001 0.9D+1.5WL+0.9TS+1.5I

1 0.9 2 0.9 3 0.9 4 0.9 5 0.9 6 0.9 7 0.9 8 0.9 9 0.9 10 0.9 51 1.5 55 1.5 -

59 1.5 85 0.9 91 1.5

LOAD COMB 2002 0.9D+1.5WL+0.9TS+1.5I

1 0.9 2 0.9 3 0.9 4 0.9 5 0.9 6 0.9 7 0.9 8 0.9 9 0.9 10 0.9 52 1.5 56 1.5 -

60 1.5 85 0.9 92 1.5

LOAD COMB 2003 0.9D+1.5WL+0.9TS+1.5I

1 0.9 2 0.9 3 0.9 4 0.9 5 0.9 6 0.9 7 0.9 8 0.9 9 0.9 10 0.9 53 1.5 57 1.5 -

61 1.5 85 0.9 93 1.5

LOAD COMB 2004 0.9D+1.5WL+0.9TS+1.5I

1 0.9 2 0.9 3 0.9 4 0.9 5 0.9 6 0.9 7 0.9 8 0.9 9 0.9 10 0.9 54 1.5 58 1.5 -

62 1.5 85 0.9 94 1.5

LOAD COMB 2005 0.9D+1.5WL+0.9TS+1.5I

1 0.9 2 0.9 3 0.9 4 0.9 5 0.9 6 0.9 7 0.9 8 0.9 9 0.9 10 0.9 51 1.5 55 1.5 -

59 1.5 86 0.9 91 1.5

LOAD COMB 2006 0.9D+1.5WL+0.9TS+1.5I

1 0.9 2 0.9 3 0.9 4 0.9 5 0.9 6 0.9 7 0.9 8 0.9 9 0.9 10 0.9 52 1.5 56 1.5 -

60 1.5 86 0.9 92 1.5

LOAD COMB 2007 0.9D+1.5WL+0.9TS+1.5I

1 0.9 2 0.9 3 0.9 4 0.9 5 0.9 6 0.9 7 0.9 8 0.9 9 0.9 10 0.9 53 1.5 57 1.5 -

61 1.5 86 0.9 93 1.5

LOAD COMB 2008 0.9D+1.5WL+0.9TS+1.5I

1 0.9 2 0.9 3 0.9 4 0.9 5 0.9 6 0.9 7 0.9 8 0.9 9 0.9 10 0.9 54 1.5 58 1.5 -

62 1.5 86 0.9 94 1.5

LOAD COMB 2009 0.9D+1.35OLE+1.35AL+1.5WL+0.9TS+1.5I

1 0.9 2 0.9 3 0.9 4 0.9 5 0.9 6 0.9 7 0.9 8 0.9 9 0.9 10 0.9 41 1.35 43 1.35 -

45 1.35 47 1.35 49 1.35 51 1.5 55 1.5 59 1.5 85 0.9 91 1.5

LOAD COMB 2010 0.9D+1.35OLE+1.35AL+1.5WL+0.9TS+1.5I

1 0.9 2 0.9 3 0.9 4 0.9 5 0.9 6 0.9 7 0.9 8 0.9 9 0.9 10 0.9 41 1.35 43 1.35 -

45 1.35 47 1.35 49 -1.35 52 1.5 56 1.5 60 1.5 85 0.9 92 1.5

LOAD COMB 2011 0.9D+1.35OLE+1.35AL+1.5WL+0.9TS+1.5I

1 0.9 2 0.9 3 0.9 4 0.9 5 0.9 6 0.9 7 0.9 8 0.9 9 0.9 10 0.9 41 1.35 43 1.35 -

45 1.35 47 1.35 49 1.35 53 1.5 57 1.5 61 1.5 85 0.9 93 1.5

LOAD COMB 2012 0.9D+1.35OLE+1.35AL+1.5WL+0.9TS+1.5I

1 0.9 2 0.9 3 0.9 4 0.9 5 0.9 6 0.9 7 0.9 8 0.9 9 0.9 10 0.9 41 1.35 43 1.35 -

45 1.35 47 1.35 49 -1.35 54 1.5 58 1.5 62 1.5 85 0.9 94 1.5

LOAD COMB 2013 0.9D+1.35OLE+1.35AL+1.5WL+0.9TS+1.5I

1 0.9 2 0.9 3 0.9 4 0.9 5 0.9 6 0.9 7 0.9 8 0.9 9 0.9 10 0.9 41 1.35 43 1.35 -

45 1.35 47 1.35 49 1.35 51 1.5 55 1.5 59 1.5 86 0.9 91 1.5

LOAD COMB 2014 0.9D+1.35OLE+1.35AL+1.5WL+0.9TS+1.5I

1 0.9 2 0.9 3 0.9 4 0.9 5 0.9 6 0.9 7 0.9 8 0.9 9 0.9 10 0.9 41 1.35 43 1.35 -

45 1.35 47 1.35 49 -1.35 52 1.5 56 1.5 60 1.5 86 0.9 92 1.5

LOAD COMB 2015 0.9D+1.35OLE+1.35AL+1.5WL+0.9TS+1.5I

1 0.9 2 0.9 3 0.9 4 0.9 5 0.9 6 0.9 7 0.9 8 0.9 9 0.9 10 0.9 41 1.35 43 1.35 -

45 1.35 47 1.35 49 1.35 53 1.5 57 1.5 61 1.5 86 0.9 93 1.5

LOAD COMB 2016 0.9D+1.35OLE+1.35AL+1.5WL+0.9TS+1.5I

1 0.9 2 0.9 3 0.9 4 0.9 5 0.9 6 0.9 7 0.9 8 0.9 9 0.9 10 0.9 41 1.35 43 1.35 -

45 1.35 47 1.35 49 -1.35 54 1.5 58 1.5 62 1.5 86 0.9 94 1.5

LOAD COMB 2101 1.35D+1.5LL+1.35OLE+1.35AL+0.9WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.5 41 1.35 43 1.35 45 1.35 47 1.35 49 1.35 51 0.9 55 0.9 59 0.9 85 0.9 -

91 1.5

LOAD COMB 2102 1.35D+1.5LL+1.35OLE+1.35AL+0.9WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.5 41 1.35 43 1.35 45 1.35 47 1.35 49 -1.35 52 0.9 56 0.9 60 0.9 85 0.9 -

92 1.5

LOAD COMB 2103 1.35D+1.5LL+1.35OLE+1.35AL+0.9WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.5 41 1.35 43 1.35 45 1.35 47 1.35 49 1.35 53 0.9 57 0.9 61 0.9 85 0.9 -

93 1.5

LOAD COMB 2104 1.35D+1.5LL+1.35OLE+1.35AL+0.9WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.5 41 1.35 43 1.35 45 1.35 47 1.35 49 -1.35 54 0.9 58 0.9 62 0.9 85 0.9 -

94 1.5

LOAD COMB 2105 1.35D+1.5LL+1.35OLE+1.35AL+0.9WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.5 41 1.35 43 1.35 45 1.35 47 1.35 49 1.35 51 0.9 55 0.9 59 0.9 86 0.9 -

91 1.5

LOAD COMB 2106 1.35D+1.5LL+1.35OLE+1.35AL+0.9WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.5 41 1.35 43 1.35 45 1.35 47 1.35 49 -1.35 52 0.9 56 0.9 60 0.9 86 0.9 -

92 1.5

LOAD COMB 2107 1.35D+1.5LL+1.35OLE+1.35AL+0.9WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.5 41 1.35 43 1.35 45 1.35 47 1.35 49 1.35 53 0.9 57 0.9 61 0.9 86 0.9 -

93 1.5

LOAD COMB 2108 1.35D+1.5LL+1.35OLE+1.35AL+0.9WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.5 41 1.35 43 1.35 45 1.35 47 1.35 49 -1.35 54 0.9 58 0.9 62 0.9 86 0.9 -

94 1.5

LOAD COMB 2301 1.35D+1.2LL+1.35HT+1.35AL+0.54WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 42 1.35 44 1.35 46 1.35 48 1.35 49 1.35 51 0.54 55 0.54 59 0.54 -

85 0.9 91 1.5

LOAD COMB 2302 1.35D+1.2LL+1.35HT+1.35AL+0.54WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 42 1.35 44 1.35 46 1.35 48 1.35 49 -1.35 52 0.54 56 0.54 60 0.54 -

85 0.9 92 1.5

LOAD COMB 2303 1.35D+1.2LL+1.35HT+1.35AL+0.54WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 42 1.35 44 1.35 46 1.35 48 1.35 49 1.35 53 0.54 57 0.54 61 0.54 -

85 0.9 93 1.5

LOAD COMB 2304 1.35D+1.2LL+1.35HT+1.35AL+0.54WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 42 1.35 44 1.35 46 1.35 48 1.35 49 -1.35 54 0.54 58 0.54 62 0.54 -

85 0.9 94 1.5

LOAD COMB 2305 1.35D+1.2LL+1.35HT+1.35AL+0.54WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 42 1.35 44 1.35 46 1.35 48 1.35 49 1.35 51 0.54 55 0.54 59 0.54 -

86 0.9 91 1.5

LOAD COMB 2306 1.35D+1.2LL+1.35HT+1.35AL+0.54WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 42 1.35 44 1.35 46 1.35 48 1.35 49 -1.35 52 0.54 56 0.54 60 0.54 -

86 0.9 92 1.5

LOAD COMB 2307 1.35D+1.2LL+1.35HT+1.35AL+0.54WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 42 1.35 44 1.35 46 1.35 48 1.35 49 1.35 53 0.54 57 0.54 61 0.54 -

86 0.9 93 1.5

LOAD COMB 2308 1.35D+1.2LL+1.35HT+1.35AL+0.54WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 42 1.35 44 1.35 46 1.35 48 1.35 49 -1.35 54 0.54 58 0.54 62 0.54 -

86 0.9 94 1.5

LOAD COMB 2401 1.35D+1.2LL+1.35OLE+1.35AL+1.5WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 41 1.35 43 1.35 45 1.35 47 1.35 49 1.35 51 1.5 55 1.5 59 1.5 85 0.9 -

91 1.5

LOAD COMB 2402 1.35D+1.2LL+1.35OLE+1.35AL+1.5WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 41 1.35 43 1.35 45 1.35 47 1.35 49 -1.35 52 1.5 56 1.5 60 1.5 85 0.9 -

92 1.5

LOAD COMB 2403 1.35D+1.2LL+1.35OLE+1.35AL+1.5WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 41 1.35 43 1.35 45 1.35 47 1.35 49 1.35 53 1.5 57 1.5 61 1.5 85 0.9 -

93 1.5

LOAD COMB 2404 1.35D+1.2LL+1.35OLE+1.35AL+1.5WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 41 1.35 43 1.35 45 1.35 47 1.35 49 -1.35 54 1.5 58 1.5 62 1.5 85 0.9 -

94 1.5

LOAD COMB 2405 1.35D+1.2LL+1.35OLE+1.35AL+1.5WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 41 1.35 43 1.35 45 1.35 47 1.35 49 1.35 51 1.5 55 1.5 59 1.5 86 0.9 -

91 1.5

LOAD COMB 2406 1.35D+1.2LL+1.35OLE+1.35AL+1.5WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 41 1.35 43 1.35 45 1.35 47 1.35 49 -1.35 52 1.5 56 1.5 60 1.5 86 0.9 -

92 1.5

LOAD COMB 2407 1.35D+1.2LL+1.35OLE+1.35AL+1.5WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 41 1.35 43 1.35 45 1.35 47 1.35 49 1.35 53 1.5 57 1.5 61 1.5 86 0.9 -

93 1.5

LOAD COMB 2408 1.35D+1.2LL+1.35OLE+1.35AL+1.5WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 41 1.35 43 1.35 45 1.35 47 1.35 49 -1.35 54 1.5 58 1.5 62 1.5 86 0.9 -

94 1.5

LOAD COMB 2501 1.35D+1.5LLM+1.2LLPLT+1.5EXPULL+0.9WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 28 1.5 29 1.5 51 0.9 55 0.9 59 0.9 68 1.5 85 0.9 91 1.5

LOAD COMB 2502 1.35D+1.5LLM+1.2LLPLT+1.5EXPULL+0.9WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 28 1.5 29 1.5 52 0.9 56 0.9 60 0.9 68 1.5 85 0.9 92 1.5

LOAD COMB 2503 1.35D+1.5LLM+1.2LLPLT+1.5EXPULL+0.9WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 28 1.5 29 1.5 53 0.9 57 0.9 61 0.9 68 1.5 85 0.9 93 1.5

LOAD COMB 2504 1.35D+1.5LLM+1.2LLPLT+1.5EXPULL+0.9WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 28 1.5 29 1.5 54 0.9 58 0.9 62 0.9 68 1.5 85 0.9 94 1.5

LOAD COMB 2505 1.35D+1.5LLM+1.2LLPLT+1.5EXPULL+0.9WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 28 1.5 29 1.5 51 0.9 55 0.9 59 0.9 68 1.5 86 0.9 91 1.5

LOAD COMB 2506 1.35D+1.5LLM+1.2LLPLT+1.5EXPULL+0.9WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 28 1.5 29 1.5 52 0.9 56 0.9 60 0.9 68 1.5 86 0.9 92 1.5

LOAD COMB 2507 1.35D+1.5LLM+1.2LLPLT+1.5EXPULL+0.9WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 28 1.5 29 1.5 53 0.9 57 0.9 61 0.9 68 1.5 86 0.9 93 1.5

LOAD COMB 2508 1.35D+1.5LLM+1.2LLPLT+1.5EXPULL+0.9WL+0.9TS+1.5I

1 1.35 2 1.35 3 1.35 4 1.35 5 1.35 6 1.35 7 1.35 8 1.35 9 1.35 10 1.35 -

21 1.2 28 1.5 29 1.5 54 0.9 58 0.9 62 0.9 68 1.5 86 0.9 94 1.5

LOAD COMB 2601 1.0D+0.15LL+0.8OLE+0.8AL+1.0SES+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 0.8 -

43 0.8 45 0.8 47 0.8 49 0.8 71 1.0 91 1.0

LOAD COMB 2602 1.0D+0.15LL+0.8OLE+0.8AL+1.0SES+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 0.8 -

43 0.8 45 0.8 47 0.8 49 -0.8 72 1.0 92 1.0

LOAD COMB 2603 1.0D+0.15LL+0.8OLE+0.8AL+1.0SES+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 0.8 -

43 0.8 45 0.8 47 0.8 49 0.8 73 1.0 93 1.0

LOAD COMB 2604 1.0D+0.15LL+0.8OLE+0.8AL+1.0SES+1.0I

1 1.0 2 1.0 3 1.0 4 1.0 5 1.0 6 1.0 7 1.0 8 1.0 9 1.0 10 1.0 21 0.15 41 0.8 -

43 0.8 45 0.8 47 0.8 49 -0.8 74 1.0 94 1.0

PERFORM ANALYSIS PRINT STATICS CHECK

DEFINE ENVELOPE

1801 TO 1832 1901 TO 1916 ENVELOPE 1 TYPE SERVICEABILITY

2001 TO 2016 2101 TO 2108 2301 TO 2308 2401 TO 2408 2501 TO 2508 2601 TO 2603 -

2604 ENVELOPE 2 TYPE STRENGTH

\*3001 TO 3008 3101 TO 3108 3301 TO 3308 3401 TO 3408 ENVELOPE 3 TYPE STRENGTH

END DEFINE ENVELOPE

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FINISH