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: MIDAS/Civil Text(MCT) File.
: Date : 2018/2/2
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*VERSION
8.7.0

*UNIT : Unit System
: FORCE, LENGTH, HEAT, TEMPER
KN , M, J, C

*REBAR-MATL-CODE : Rebar Material Code
: CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
KSCE-LSD15(RC), SD300, KSCE-LSD15(RC), SD300

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*ELEMENT : Elements
: iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL, iOPT(EXVAL2) : Frame Element
: iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL, EXVAL2, bLMT : Comp/Tens Truss
: iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iSUB, iWID, LCAXIS : Planar Element
: iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iN5, iN6, iN7, iN8 : Solid Element
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892. BEAM	,	1.	2.	74.	75.	0.	0
893. BEAM	,	1.	2.	75.	76.	0.	0
894. BEAM	,	1.	2.	76.	77.	0.	0
895. BEAM	,	1.	2.	77.	78.	0.	0
896. BEAM	,	1.	2.	393.	394.	0.	0
897. BEAM	,	1.	2.	394.	395.	0.	0
898. BEAM	,	1.	2.	348.	349.	0.	0
899. BEAM	,	1.	2.	349.	350.	0.	0
900. BEAM	,	1.	2.	305.	306.	0.	0
901. BEAM	,	1.	2.	306.	307.	0.	0
902. BEAM	,	1.	2.	262.	263.	0.	0
903. BEAM	,	1.	2.	263.	264.	0.	0
904. BEAM	,	1.	2.	219.	220.	0.	0
905. BEAM	,	1.	2.	220.	221.	0.	0
906. BEAM	,	1.	2.	176.	177.	0.	0
907. BEAM	,	1.	2.	177.	178.	0.	0
908. BEAM	,	1.	2.	133.	134.	0.	0
909. BEAM	,	1.	2.	134.	135.	0.	0
910. BEAM	,	1.	2.	88.	89.	0.	0
911. BEAM	,	1.	2.	89.	90.	0.	0
912. BEAM	,	1.	1.	355.	356.	0.	0
913. BEAM	,	1.	1.	356.	357.	0.	0
914. BEAM	,	1.	1.	357.	358.	0.	0
915. BEAM	,	1.	1.	358.	359.	0.	0
916. BEAM	,	1.	1.	359.	360.	0.	0
917. BEAM	,	1.	1.	360.	361.	0.	0
918. BEAM	,	1.	1.	361.	362.	0.	0
919. BEAM	,	1.	1.	362.	363.	0.	0
920. BEAM	,	1.	1.	363.	364.	0.	0
921. BEAM	,	1.	1.	364.	365.	0.	0
922. BEAM	,	1.	1.	310.	311.	0.	0
923. BEAM	,	1.	1.	311.	312.	0.	0
924. BEAM	,	1.	1.	312.	313.	0.	0
925. BEAM	,	1.	1.	313.	314.	0.	0

971. BEAM	,	1.	1.	147.	148.	0.	0
972. BEAM	,	1.	1.	95.	96.	0.	0
973. BEAM	,	1.	1.	96.	97.	0.	0
974. BEAM	,	1.	1.	97.	98.	0.	0
975. BEAM	,	1.	1.	98.	99.	0.	0
976. BEAM	,	1.	1.	99.	100.	0.	0
977. BEAM	,	1.	1.	100.	101.	0.	0
978. BEAM	,	1.	1.	101.	102.	0.	0
979. BEAM	,	1.	1.	102.	103.	0.	0
980. BEAM	,	1.	1.	103.	104.	0.	0
981. BEAM	,	1.	1.	104.	105.	0.	0
982. BEAM	,	1.	1.	50.	51.	0.	0
983. BEAM	,	1.	1.	51.	52.	0.	0
984. BEAM	,	1.	1.	52.	53.	0.	0
985. BEAM	,	1.	1.	53.	54.	0.	0
986. BEAM	,	1.	1.	54.	55.	0.	0
987. BEAM	,	1.	1.	55.	56.	0.	0
988. BEAM	,	1.	1.	56.	57.	0.	0
989. BEAM	,	1.	1.	57.	58.	0.	0
990. BEAM	,	1.	1.	58.	59.	0.	0
991. BEAM	,	1.	1.	59.	60.	0.	0
992. BEAM	,	1.	1.	369.	370.	0.	0
993. BEAM	,	1.	1.	370.	371.	0.	0
994. BEAM	,	1.	1.	371.	372.	0.	0
995. BEAM	,	1.	1.	372.	373.	0.	0
996. BEAM	,	1.	1.	373.	374.	0.	0
997. BEAM	,	1.	1.	374.	375.	0.	0
998. BEAM	,	1.	1.	375.	376.	0.	0
999. BEAM	,	1.	1.	376.	377.	0.	0
1000. BEAM	,	1.	1.	377.	378.	0.	0
1001. BEAM	,	1.	1.	378.	379.	0.	0
1002. BEAM	,	1.	1.	324.	325.	0.	0
1003. BEAM	,	1.	1.	325.	326.	0.	0
1004. BEAM	,	1.	1.	326.	327.	0.	0
1005. BEAM	,	1.	1.	327.	328.	0.	0
1006. BEAM	,	1.	1.	328.	329.	0.	0
1007. BEAM	,	1.	1.	329.	330.	0.	0
1008. BEAM	,	1.	1.	330.	331.	0.	0
1009. BEAM	,	1.	1.	331.	332.	0.	0
1010. BEAM	,	1.	1.	332.	333.	0.	0
1011. BEAM	,	1.	1.	333.	334.	0.	0
1012. BEAM	,	1.	1.	281.	282.	0.	0
1013. BEAM	,	1.	1.	282.	283.	0.	0
1014. BEAM	,	1.	1.	283.	284.	0.	0
1015. BEAM	,	1.	1.	284.	285.	0.	0

926. BEAM	,	1.	1.	314.	315.	0.	0
927. BEAM	,	1.	1.	315.	316.	0.	0
928. BEAM	,	1.	1.	316.	317.	0.	0
929. BEAM	,	1.	1.	317.	318.	0.	0
930. BEAM	,	1.	1.	318.	319.	0.	0
931. BEAM	,	1.	1.	319.	320.	0.	0
932. BEAM	,	1.	1.	267.	268.	0.	0
933. BEAM	,	1.	1.	268.	269.	0.	0
934. BEAM	,	1.	1.	269.	270.	0.	0
935. BEAM	,	1.	1.	270.	271.	0.	0
936. BEAM	,	1.	1.	271.	272.	0.	0
937. BEAM	,	1.	1.	272.	273.	0.	0
938. BEAM	,	1.	1.	273.	274.	0.	0
939. BEAM	,	1.	1.	274.	275.	0.	0
940. BEAM	,	1.	1.	275.	276.	0.	0
941. BEAM	,	1.	1.	276.	277.	0.	0
942. BEAM	,	1.	1.	224.	225.	0.	0
943. BEAM	,	1.	1.	225.	226.	0.	0
944. BEAM	,	1.	1.	226.	227.	0.	0
945. BEAM	,	1.	1.	227.	228.	0.	0
946. BEAM	,	1.	1.	228.	229.	0.	0
947. BEAM	,	1.	1.	229.	230.	0.	0
948. BEAM	,	1.	1.	230.	231.	0.	0
949. BEAM	,	1.	1.	231.	232.	0.	0
950. BEAM	,	1.	1.	232.	233.	0.	0
951. BEAM	,	1.	1.	233.	234.	0.	0
952. BEAM	,	1.	1.	181.	182.	0.	0
953. BEAM	,	1.	1.	182.	183.	0.	0
954. BEAM	,	1.	1.	183.	184.	0.	0
955. BEAM	,	1.	1.	184.	185.	0.	0
956. BEAM	,	1.	1.	185.	186.	0.	0
957. BEAM	,	1.	1.	186.	187.	0.	0
958. BEAM	,	1.	1.	187.	188.	0.	0
959. BEAM	,	1.	1.	188.	189.	0.	0
960. BEAM	,	1.	1.	189.	190.	0.	0
961. BEAM	,	1.	1.	190.	191.	0.	0
962. BEAM	,	1.	1.	138.	139.	0.	0
963. BEAM	,	1.	1.	139.	140.	0.	0
964. BEAM	,	1.	1.	140.	141.	0.	0
965. BEAM	,	1.	1.	141.	142.	0.	0
966. BEAM	,	1.	1.	142.	143.	0.	0
967. BEAM	,	1.	1.	143.	144.	0.	0
968. BEAM	,	1.	1.	144.	145.	0.	0
969. BEAM	,	1.	1.	145.	146.	0.	0
970. BEAM	,	1.	1.	146.	147.	0.	0

1016. BEAM	,	1.	1.	285.	286.	0.	0
1017. BEAM	,	1.	1.	286.	287.	0.	0
1018. BEAM	,	1.	1.	287.	288.	0.	0
1019. BEAM	,	1.	1.	288.	289.	0.	0
1020. BEAM	,	1.	1.	289.	290.	0.	0
1021. BEAM	,	1.	1.	290.	291.	0.	0
1022. BEAM	,	1.	1.	238.	239.	0.	0
1023. BEAM	,	1.	1.	239.	240.	0.	0
1024. BEAM	,	1.	1.	240.	241.	0.	0
1025. BEAM	,	1.	1.	241.	242.	0.	0
1026. BEAM	,	1.	1.	242.	243.	0.	0
1027. BEAM	,	1.	1.	243.	244.	0.	0
1028. BEAM	,	1.	1.	244.	245.	0.	0
1029. BEAM	,	1.	1.	245.	246.	0.	0
1030. BEAM	,	1.	1.	246.	247.	0.	0
1031. BEAM	,	1.	1.	247.	248.	0.	0
1032. BEAM	,	1.	1.	195.	196.	0.	0
1033. BEAM	,	1.	1.	196.	197.	0.	0
1034. BEAM	,	1.	1.	197.	198.	0.	0
1035. BEAM	,	1.	1.	198.	199.	0.	0
1036. BEAM	,	1.	1.	199.	200.	0.	0
1037. BEAM	,	1.	1.	200.	201.	0.	0
1038. BEAM	,	1.	1.	201.	202.	0.	0
1039. BEAM	,	1.	1.	202.	203.	0.	0
1040. BEAM	,	1.	1.	203.	204.	0.	0
1041. BEAM	,	1.	1.	204.	205.	0.	0
1042. BEAM	,	1.	1.	152.	153.	0.	0
1043. BEAM	,	1.	1.	153.	154.	0.	0
1044. BEAM	,	1.	1.	154.	155.	0.	0
1045. BEAM	,	1.	1.	155.	156.	0.	0
1046. BEAM	,	1.	1.	156.	157.	0.	0
1047. BEAM	,	1.	1.	157.	158.	0.	0
1048. BEAM	,	1.	1.	158.	159.	0.	0
1049. BEAM	,	1.	1.	159.	160.	0.	0
1050. BEAM	,	1.	1.	160.	161.	0.	0
1051. BEAM	,	1.	1.	161.	162.	0.	0
1052. BEAM	,	1.	1.	109.	110.	0.	0
1053. BEAM	,	1.	1.	110.	111.	0.	0
1054. BEAM	,	1.	1.	111.	112.	0.	0
1055. BEAM	,	1.	1.	112.	113.	0.	0
1056. BEAM	,	1.	1.	113.	114.	0.	0
1057. BEAM	,	1.	1.	114.	115.	0.	0
1058. BEAM	,	1.	1.	115.	116.	0.	0
1059. BEAM	,	1.	1.	116.	117.	0.	0
1060. BEAM	,	1.	1.	117.	118.	0.	0

1061. BEAM	,	1,	1,	118,	119,	0,	0
1062. BEAM	,	1,	1,	64,	65,	0,	0
1063. BEAM	,	1,	1,	65,	66,	0,	0
1064. BEAM	,	1,	1,	66,	67,	0,	0
1065. BEAM	,	1,	1,	67,	68,	0,	0
1066. BEAM	,	1,	1,	68,	69,	0,	0
1067. BEAM	,	1,	1,	69,	70,	0,	0
1068. BEAM	,	1,	1,	70,	71,	0,	0
1069. BEAM	,	1,	1,	71,	72,	0,	0
1070. BEAM	,	1,	1,	72,	73,	0,	0
1071. BEAM	,	1,	1,	73,	74,	0,	0
1072. BEAM	,	1,	1,	383,	384,	0,	0
1073. BEAM	,	1,	1,	384,	385,	0,	0
1074. BEAM	,	1,	1,	385,	386,	0,	0
1075. BEAM	,	1,	1,	386,	387,	0,	0
1076. BEAM	,	1,	1,	387,	388,	0,	0
1077. BEAM	,	1,	1,	388,	389,	0,	0
1078. BEAM	,	1,	1,	389,	390,	0,	0
1079. BEAM	,	1,	1,	390,	391,	0,	0
1080. BEAM	,	1,	1,	391,	392,	0,	0
1081. BEAM	,	1,	1,	392,	393,	0,	0
1082. BEAM	,	1,	1,	338,	339,	0,	0
1083. BEAM	,	1,	1,	339,	340,	0,	0
1084. BEAM	,	1,	1,	340,	341,	0,	0
1085. BEAM	,	1,	1,	341,	342,	0,	0
1086. BEAM	,	1,	1,	342,	343,	0,	0
1087. BEAM	,	1,	1,	343,	344,	0,	0
1088. BEAM	,	1,	1,	344,	345,	0,	0
1089. BEAM	,	1,	1,	345,	346,	0,	0
1090. BEAM	,	1,	1,	346,	347,	0,	0
1091. BEAM	,	1,	1,	347,	348,	0,	0
1092. BEAM	,	1,	1,	295,	296,	0,	0
1093. BEAM	,	1,	1,	296,	297,	0,	0
1094. BEAM	,	1,	1,	297,	298,	0,	0
1095. BEAM	,	1,	1,	298,	299,	0,	0
1096. BEAM	,	1,	1,	299,	300,	0,	0
1097. BEAM	,	1,	1,	300,	301,	0,	0
1098. BEAM	,	1,	1,	301,	302,	0,	0
1099. BEAM	,	1,	1,	302,	303,	0,	0
1100. BEAM	,	1,	1,	303,	304,	0,	0
1101. BEAM	,	1,	1,	304,	305,	0,	0
1102. BEAM	,	1,	1,	252,	253,	0,	0
1103. BEAM	,	1,	1,	253,	254,	0,	0
1104. BEAM	,	1,	1,	254,	255,	0,	0
1105. BEAM	,	1,	1,	255,	256,	0,	0

1106. BEAM	,	1,	1,	256,	257,	0,	0
1107. BEAM	,	1,	1,	257,	258,	0,	0
1108. BEAM	,	1,	1,	258,	259,	0,	0
1109. BEAM	,	1,	1,	259,	260,	0,	0
1110. BEAM	,	1,	1,	260,	261,	0,	0
1111. BEAM	,	1,	1,	261,	262,	0,	0
1112. BEAM	,	1,	1,	209,	210,	0,	0
1113. BEAM	,	1,	1,	210,	211,	0,	0
1114. BEAM	,	1,	1,	211,	212,	0,	0
1115. BEAM	,	1,	1,	212,	213,	0,	0
1116. BEAM	,	1,	1,	213,	214,	0,	0
1117. BEAM	,	1,	1,	214,	215,	0,	0
1118. BEAM	,	1,	1,	215,	216,	0,	0
1119. BEAM	,	1,	1,	216,	217,	0,	0
1120. BEAM	,	1,	1,	217,	218,	0,	0
1121. BEAM	,	1,	1,	218,	219,	0,	0
1122. BEAM	,	1,	1,	166,	167,	0,	0
1123. BEAM	,	1,	1,	167,	168,	0,	0
1124. BEAM	,	1,	1,	168,	169,	0,	0
1125. BEAM	,	1,	1,	169,	170,	0,	0
1126. BEAM	,	1,	1,	170,	171,	0,	0
1127. BEAM	,	1,	1,	171,	172,	0,	0
1128. BEAM	,	1,	1,	172,	173,	0,	0
1129. BEAM	,	1,	1,	173,	174,	0,	0
1130. BEAM	,	1,	1,	174,	175,	0,	0
1131. BEAM	,	1,	1,	175,	176,	0,	0
1132. BEAM	,	1,	1,	123,	124,	0,	0
1133. BEAM	,	1,	1,	124,	125,	0,	0
1134. BEAM	,	1,	1,	125,	126,	0,	0
1135. BEAM	,	1,	1,	126,	127,	0,	0
1136. BEAM	,	1,	1,	127,	128,	0,	0
1137. BEAM	,	1,	1,	128,	129,	0,	0
1138. BEAM	,	1,	1,	129,	130,	0,	0
1139. BEAM	,	1,	1,	130,	131,	0,	0
1140. BEAM	,	1,	1,	131,	132,	0,	0
1141. BEAM	,	1,	1,	132,	133,	0,	0
1142. BEAM	,	1,	1,	78,	79,	0,	0
1143. BEAM	,	1,	1,	79,	80,	0,	0
1144. BEAM	,	1,	1,	80,	81,	0,	0
1145. BEAM	,	1,	1,	81,	82,	0,	0
1146. BEAM	,	1,	1,	82,	83,	0,	0
1147. BEAM	,	1,	1,	83,	84,	0,	0
1148. BEAM	,	1,	1,	84,	85,	0,	0
1149. BEAM	,	1,	1,	85,	86,	0,	0
1150. BEAM	,	1,	1,	86,	87,	0,	0

1151. BEAM	,	1,	1,	87,	88,	0,	0
1152. BEAM	,	1,	8,	396,	397,	0,	0
1153. BEAM	,	1,	8,	397,	398,	0,	0
1154. BEAM	,	1,	8,	408,	409,	0,	0
1155. BEAM	,	1,	8,	409,	410,	0,	0
1156. BEAM	,	1,	8,	410,	411,	0,	0
1157. BEAM	,	1,	8,	411,	412,	0,	0
1158. BEAM	,	1,	8,	422,	423,	0,	0
1159. BEAM	,	1,	8,	423,	424,	0,	0
1160. BEAM	,	1,	8,	424,	425,	0,	0
1161. BEAM	,	1,	8,	425,	426,	0,	0
1162. BEAM	,	1,	8,	436,	437,	0,	0
1163. BEAM	,	1,	8,	437,	438,	0,	0
1164. BEAM	,	1,	7,	5,	6,	0,	0
1165. BEAM	,	1,	7,	6,	7,	0,	0
1166. BEAM	,	1,	7,	17,	18,	0,	0
1167. BEAM	,	1,	7,	18,	19,	0,	0
1168. BEAM	,	1,	7,	19,	20,	0,	0
1169. BEAM	,	1,	7,	20,	21,	0,	0
1170. BEAM	,	1,	7,	31,	32,	0,	0
1171. BEAM	,	1,	7,	32,	33,	0,	0
1172. BEAM	,	1,	7,	33,	34,	0,	0
1173. BEAM	,	1,	7,	34,	35,	0,	0
1174. BEAM	,	1,	7,	45,	46,	0,	0
1175. BEAM	,	1,	7,	46,	47,	0,	0
1176. BEAM	,	1,	6,	398,	399,	0,	0
1177. BEAM	,	1,	6,	399,	400,	0,	0
1178. BEAM	,	1,	6,	400,	401,	0,	0
1179. BEAM	,	1,	6,	401,	402,	0,	0
1180. BEAM	,	1,	6,	402,	403,	0,	0
1181. BEAM	,	1,	6,	403,	404,	0,	0
1182. BEAM	,	1,	6,	404,	405,	0,	0
1183. BEAM	,	1,	6,	405,	406,	0,	0
1184. BEAM	,	1,	6,	406,	407,	0,	0
1185. BEAM	,	1,	6,	407,	408,	0,	0
1186. BEAM	,	1,	6,	412,	413,	0,	0
1187. BEAM	,	1,	6,	413,	414,	0,	0
1188. BEAM	,	1,	6,	414,	415,	0,	0
1189. BEAM	,	1,	6,	415,	416,	0,	0
1190. BEAM	,	1,	6,	416,	417,	0,	0
1191. BEAM	,	1,	6,	417,	418,	0,	0
1192. BEAM	,	1,	6,	418,	419,	0,	0
1193. BEAM	,	1,	6,	419,	420,	0,	0
1194. BEAM	,	1,	6,	420,	421,	0,	0
1195. BEAM	,	1,	6,	421,	422,	0,	0

1196. BEAM	,	1,	6,	426,	427,	0,	0
1197. BEAM	,	1,	6,	427,	428,	0,	0
1198. BEAM	,	1,	6,	428,	429,	0,	0
1199. BEAM	,	1,	6,	429,	430,	0,	0
1200. BEAM	,	1,	6,	430,	431,	0,	0
1201. BEAM	,	1,	6,	431,	432,	0,	0
1202. BEAM	,	1,	6,	432,	433,	0,	0
1203. BEAM	,	1,	6,	433,	434,	0,	0
1204. BEAM	,	1,	6,	434,	435,	0,	0
1205. BEAM	,	1,	6,	435,	436,	0,	0
1206. BEAM	,	1,	5,	7,	8,	0,	0
1207. BEAM	,	1,	5,	8,	9,	0,	0
1208. BEAM	,	1,	5,	9,	10,	0,	0
1209. BEAM	,	1,	5,	10,	11,	0,	0
1210. BEAM	,	1,	5,	11,	12,	0,	0
1211. BEAM	,	1,	5,	12,	13,	0,	0
1212. BEAM	,	1,	5,	13,	14,	0,	0
1213. BEAM	,	1,	5,	14,	15,	0,	0
1214. BEAM	,	1,	5,	15,	16,	0,	0
1215. BEAM	,	1,	5,	16,	17,	0,	0
1216. BEAM	,	1,	5,	21,	22,	0,	0
1217. BEAM	,	1,	5,	22,	23,	0,	0
1218. BEAM	,	1,	5,	23,	24,	0,	0
1219. BEAM	,	1,	5,	24,	25,	0,	0
1220. BEAM	,	1,	5,	25,	26,	0,	0
1221. BEAM	,	1,	5,	26,	27,	0,	0
1222. BEAM	,	1,	5,	27,	28,	0,	0
1223. BEAM	,	1,	5,	28,	29,	0,	0
1224. BEAM	,	1,	5,	29,	30,	0,	0
1225. BEAM	,	1,	5,	30,	31,	0,	0
1226. BEAM	,	1,	5,	35,	36,	0,	0
1227. BEAM	,	1,	5,	36,	37,	0,	0
1228. BEAM	,	1,	5,	37,	38,	0,	0
1229. BEAM	,	1,	5,	38,	39,	0,	0
1230. BEAM	,	1,	5,	39,	40,	0,	0
1231. BEAM	,	1,	5,	40,	41,	0,	0
1232. BEAM	,	1,	5,	41,	42,	0,	0
1233. BEAM	,	1,	5,	42,	43,	0,	0
1234. BEAM	,	1,	5,	43,	44,	0,	0
1235. BEAM	,	1,	5,	44,	45,	0,	0
1236. BEAM	,	1,	4,	410,	367,	0,	0
1237. BEAM	,	1,	4,	367,	351,	0,	0
1238. BEAM	,	1,	4,	91,	62,	0,	0
1239. BEAM	,	1,	4,	62,	19,	0,	0
1240. BEAM	,	1,	4,	424,	381,	0,	0

1241, BEAM	,	1,	4,	381,	352,	0,	0
1242, BEAM	,	1,	4,	92,	76,	0,	0
1243, BEAM	,	1,	4,	76,	33,	0,	0
1244, BEAM	,	2,	9,	396,	353,	0,	0
1245, BEAM	,	2,	9,	353,	308,	0,	0
1246, BEAM	,	2,	9,	308,	265,	0,	0
1247, BEAM	,	2,	9,	265,	222,	0,	0
1248, BEAM	,	2,	9,	222,	179,	0,	0
1249, BEAM	,	2,	9,	179,	136,	0,	0
1250, BEAM	,	2,	9,	136,	93,	0,	0
1251, BEAM	,	2,	9,	93,	48,	0,	0
1252, BEAM	,	2,	9,	48,	5,	0,	0
1253, BEAM	,	2,	9,	438,	395,	0,	0
1254, BEAM	,	2,	9,	395,	350,	0,	0
1255, BEAM	,	2,	9,	350,	307,	0,	0
1256, BEAM	,	2,	9,	307,	264,	0,	0
1257, BEAM	,	2,	9,	264,	221,	0,	0
1258, BEAM	,	2,	9,	221,	178,	0,	0
1259, BEAM	,	2,	9,	178,	135,	0,	0
1260, BEAM	,	2,	9,	135,	90,	0,	0
1261, BEAM	,	2,	9,	90,	47,	0,	0
1262, BEAM	,	2,	10,	397,	354,	0,	0
1263, BEAM	,	2,	10,	354,	309,	0,	0
1264, BEAM	,	2,	10,	309,	266,	0,	0
1265, BEAM	,	2,	10,	266,	223,	0,	0
1266, BEAM	,	2,	10,	223,	180,	0,	0
1267, BEAM	,	2,	10,	180,	137,	0,	0
1268, BEAM	,	2,	10,	137,	94,	0,	0
1269, BEAM	,	2,	10,	94,	49,	0,	0
1270, BEAM	,	2,	10,	49,	6,	0,	0
1271, BEAM	,	2,	10,	398,	355,	0,	0
1272, BEAM	,	2,	10,	355,	310,	0,	0
1273, BEAM	,	2,	10,	310,	267,	0,	0
1274, BEAM	,	2,	10,	267,	224,	0,	0
1275, BEAM	,	2,	10,	224,	181,	0,	0
1276, BEAM	,	2,	10,	181,	138,	0,	0
1277, BEAM	,	2,	10,	138,	95,	0,	0
1278, BEAM	,	2,	10,	95,	50,	0,	0
1279, BEAM	,	2,	10,	50,	7,	0,	0
1280, BEAM	,	2,	10,	399,	356,	0,	0
1281, BEAM	,	2,	10,	356,	311,	0,	0
1282, BEAM	,	2,	10,	311,	268,	0,	0
1283, BEAM	,	2,	10,	268,	225,	0,	0
1284, BEAM	,	2,	10,	225,	182,	0,	0
1285, BEAM	,	2,	10,	182,	139,	0,	0

1286, BEAM	,	2,	10,	139,	96,	0,	0
1287, BEAM	,	2,	10,	96,	51,	0,	0
1288, BEAM	,	2,	10,	51,	8,	0,	0
1289, BEAM	,	2,	10,	400,	357,	0,	0
1290, BEAM	,	2,	10,	357,	312,	0,	0
1291, BEAM	,	2,	10,	312,	269,	0,	0
1292, BEAM	,	2,	10,	269,	226,	0,	0
1293, BEAM	,	2,	10,	226,	183,	0,	0
1294, BEAM	,	2,	10,	183,	140,	0,	0
1295, BEAM	,	2,	10,	140,	97,	0,	0
1296, BEAM	,	2,	10,	97,	52,	0,	0
1297, BEAM	,	2,	10,	52,	9,	0,	0
1298, BEAM	,	2,	10,	401,	358,	0,	0
1299, BEAM	,	2,	10,	358,	313,	0,	0
1300, BEAM	,	2,	10,	313,	270,	0,	0
1301, BEAM	,	2,	10,	270,	227,	0,	0
1302, BEAM	,	2,	10,	227,	184,	0,	0
1303, BEAM	,	2,	10,	184,	141,	0,	0
1304, BEAM	,	2,	10,	141,	98,	0,	0
1305, BEAM	,	2,	10,	98,	53,	0,	0
1306, BEAM	,	2,	10,	53,	10,	0,	0
1307, BEAM	,	2,	10,	402,	359,	0,	0
1308, BEAM	,	2,	10,	359,	314,	0,	0
1309, BEAM	,	2,	10,	314,	271,	0,	0
1310, BEAM	,	2,	10,	271,	228,	0,	0
1311, BEAM	,	2,	10,	228,	185,	0,	0
1312, BEAM	,	2,	10,	185,	142,	0,	0
1313, BEAM	,	2,	10,	142,	99,	0,	0
1314, BEAM	,	2,	10,	99,	54,	0,	0
1315, BEAM	,	2,	10,	54,	11,	0,	0
1316, BEAM	,	2,	10,	403,	360,	0,	0
1317, BEAM	,	2,	10,	360,	315,	0,	0
1318, BEAM	,	2,	10,	315,	272,	0,	0
1319, BEAM	,	2,	10,	272,	229,	0,	0
1320, BEAM	,	2,	10,	229,	186,	0,	0
1321, BEAM	,	2,	10,	186,	143,	0,	0
1322, BEAM	,	2,	10,	143,	100,	0,	0
1323, BEAM	,	2,	10,	100,	55,	0,	0
1324, BEAM	,	2,	10,	55,	12,	0,	0
1325, BEAM	,	2,	10,	404,	361,	0,	0
1326, BEAM	,	2,	10,	361,	316,	0,	0
1327, BEAM	,	2,	10,	316,	273,	0,	0
1328, BEAM	,	2,	10,	273,	230,	0,	0
1329, BEAM	,	2,	10,	230,	187,	0,	0
1330, BEAM	,	2,	10,	187,	144,	0,	0

1331, BEAM	,	2,	10,	144,	101,	0,	0
1332, BEAM	,	2,	10,	101,	56,	0,	0
1333, BEAM	,	2,	10,	56,	13,	0,	0
1334, BEAM	,	2,	10,	405,	362,	0,	0
1335, BEAM	,	2,	10,	362,	317,	0,	0
1336, BEAM	,	2,	10,	317,	274,	0,	0
1337, BEAM	,	2,	10,	274,	231,	0,	0
1338, BEAM	,	2,	10,	231,	188,	0,	0
1339, BEAM	,	2,	10,	188,	145,	0,	0
1340, BEAM	,	2,	10,	145,	102,	0,	0
1341, BEAM	,	2,	10,	102,	57,	0,	0
1342, BEAM	,	2,	10,	57,	14,	0,	0
1343, BEAM	,	2,	10,	406,	363,	0,	0
1344, BEAM	,	2,	10,	363,	318,	0,	0
1345, BEAM	,	2,	10,	318,	275,	0,	0
1346, BEAM	,	2,	10,	275,	232,	0,	0
1347, BEAM	,	2,	10,	232,	189,	0,	0
1348, BEAM	,	2,	10,	189,	146,	0,	0
1349, BEAM	,	2,	10,	146,	103,	0,	0
1350, BEAM	,	2,	10,	103,	58,	0,	0
1351, BEAM	,	2,	10,	58,	15,	0,	0
1352, BEAM	,	2,	10,	407,	364,	0,	0
1353, BEAM	,	2,	10,	364,	319,	0,	0
1354, BEAM	,	2,	10,	319,	276,	0,	0
1355, BEAM	,	2,	10,	276,	233,	0,	0
1356, BEAM	,	2,	10,	233,	190,	0,	0
1357, BEAM	,	2,	10,	190,	147,	0,	0
1358, BEAM	,	2,	10,	147,	104,	0,	0
1359, BEAM	,	2,	10,	104,	59,	0,	0
1360, BEAM	,	2,	10,	59,	16,	0,	0
1361, BEAM	,	2,	10,	408,	365,	0,	0
1362, BEAM	,	2,	10,	365,	320,	0,	0
1363, BEAM	,	2,	10,	320,	277,	0,	0
1364, BEAM	,	2,	10,	277,	234,	0,	0
1365, BEAM	,	2,	10,	234,	191,	0,	0
1366, BEAM	,	2,	10,	191,	148,	0,	0
1367, BEAM	,	2,	10,	148,	105,	0,	0
1368, BEAM	,	2,	10,	105,	60,	0,	0
1369, BEAM	,	2,	10,	60,	17,	0,	0
1370, BEAM	,	2,	10,	409,	366,	0,	0
1371, BEAM	,	2,	10,	366,	321,	0,	0
1372, BEAM	,	2,	10,	321,	278,	0,	0
1373, BEAM	,	2,	10,	278,	235,	0,	0
1374, BEAM	,	2,	10,	235,	192,	0,	0
1375, BEAM	,	2,	10,	192,	149,	0,	0

1376, BEAM	,	2,	10,	149,	106,	0,	0
1377, BEAM	,	2,	10,	106,	61,	0,	0
1378, BEAM	,	2,	10,	61,	18,	0,	0
1379, BEAM	,	2,	10,	411,	368,	0,	0
1380, BEAM	,	2,	10,	368,	323,	0,	0
1381, BEAM	,	2,	10,	323,	280,	0,	0
1382, BEAM	,	2,	10,	280,	237,	0,	0
1383, BEAM	,	2,	10,	237,	194,	0,	0
1384, BEAM	,	2,	10,	194,	151,	0,	0
1385, BEAM	,	2,	10,	151,	108,	0,	0
1386, BEAM	,	2,	10,	108,	63,	0,	0
1387, BEAM	,	2,	10,	63,	20,	0,	0
1388, BEAM	,	2,	10,	412,	369,	0,	0
1389, BEAM	,	2,	10,	369,	324,	0,	0
1390, BEAM	,	2,	10,	324,	281,	0,	0
1391, BEAM	,	2,	10,	281,	238,	0,	0
1392, BEAM	,	2,	10,	238,	195,	0,	0
1393, BEAM	,	2,	10,	195,	152,	0,	0
1394, BEAM	,	2,	10,	152,	109,	0,	0
1395, BEAM	,	2,	10,	109,	64,	0,	0
1396, BEAM	,	2,	10,	64,	21,	0,	0
1397, BEAM	,	2,	10,	413,	370,	0,	0
1398, BEAM	,	2,	10,	370,	325,	0,	0
1399, BEAM	,	2,	10,	325,	282,	0,	0
1400, BEAM	,	2,	10,	282,	239,	0,	0
1401, BEAM	,	2,	10,	239,	196,	0,	0
1402, BEAM	,	2,	10,	196,	153,	0,	0
1403, BEAM	,	2,	10,	153,	110,	0,	0
1404, BEAM	,	2,	10,	110,	65,	0,	0
1405, BEAM	,	2,	10,	65,	22,	0,	0
1406, BEAM	,	2,	10,	414,	371,	0,	0
1407, BEAM	,	2,	10,	371,	326,	0,	0
1408, BEAM	,	2,	10,	326,	283,	0,	0
1409, BEAM	,	2,	10,	283,	240,	0,	0
1410, BEAM	,	2,	10,	240,	197,	0,	0
1411, BEAM	,	2,	10,	197,	154,	0,	0
1412, BEAM	,	2,	10,	154,	111,	0,	0
1413, BEAM	,	2,	10,	111,	66,	0,	0
1414, BEAM	,	2,	10,	66,	23,	0,	0
1415, BEAM	,	2,	10,	415,	372,	0,	0
1416, BEAM	,	2,	10,	372,	327,	0,	0
1417, BEAM	,	2,	10,	327,	284,	0,	0
1418, BEAM	,	2,	10,	284,	241,	0,	0
1419, BEAM	,	2,	10,	241,	198,	0,	0
1420, BEAM	,	2,	10,	198,	155,	0,	0

1421, BEAM	,	2,	10,	155,	112,	0,	0
1422, BEAM	,	2,	10,	112,	67,	0,	0
1423, BEAM	,	2,	10,	67,	24,	0,	0
1424, BEAM	,	2,	10,	416,	373,	0,	0
1425, BEAM	,	2,	10,	373,	328,	0,	0
1426, BEAM	,	2,	10,	328,	285,	0,	0
1427, BEAM	,	2,	10,	285,	242,	0,	0
1428, BEAM	,	2,	10,	242,	199,	0,	0
1429, BEAM	,	2,	10,	199,	156,	0,	0
1430, BEAM	,	2,	10,	156,	113,	0,	0
1431, BEAM	,	2,	10,	113,	68,	0,	0
1432, BEAM	,	2,	10,	68,	25,	0,	0
1433, BEAM	,	2,	10,	417,	374,	0,	0
1434, BEAM	,	2,	10,	374,	329,	0,	0
1435, BEAM	,	2,	10,	329,	286,	0,	0
1436, BEAM	,	2,	10,	286,	243,	0,	0
1437, BEAM	,	2,	10,	243,	200,	0,	0
1438, BEAM	,	2,	10,	200,	157,	0,	0
1439, BEAM	,	2,	10,	157,	114,	0,	0
1440, BEAM	,	2,	10,	114,	69,	0,	0
1441, BEAM	,	2,	10,	69,	26,	0,	0
1442, BEAM	,	2,	10,	418,	375,	0,	0
1443, BEAM	,	2,	10,	375,	330,	0,	0
1444, BEAM	,	2,	10,	330,	287,	0,	0
1445, BEAM	,	2,	10,	287,	244,	0,	0
1446, BEAM	,	2,	10,	244,	201,	0,	0
1447, BEAM	,	2,	10,	201,	158,	0,	0
1448, BEAM	,	2,	10,	158,	115,	0,	0
1449, BEAM	,	2,	10,	115,	70,	0,	0
1450, BEAM	,	2,	10,	70,	27,	0,	0
1451, BEAM	,	2,	10,	419,	376,	0,	0
1452, BEAM	,	2,	10,	376,	331,	0,	0
1453, BEAM	,	2,	10,	331,	288,	0,	0
1454, BEAM	,	2,	10,	288,	245,	0,	0
1455, BEAM	,	2,	10,	245,	202,	0,	0
1456, BEAM	,	2,	10,	202,	159,	0,	0
1457, BEAM	,	2,	10,	159,	116,	0,	0
1458, BEAM	,	2,	10,	116,	71,	0,	0
1459, BEAM	,	2,	10,	71,	28,	0,	0
1460, BEAM	,	2,	10,	420,	377,	0,	0
1461, BEAM	,	2,	10,	377,	332,	0,	0
1462, BEAM	,	2,	10,	332,	289,	0,	0
1463, BEAM	,	2,	10,	289,	246,	0,	0
1464, BEAM	,	2,	10,	246,	203,	0,	0
1465, BEAM	,	2,	10,	203,	160,	0,	0

1466, BEAM	,	2,	10,	160,	117,	0,	0
1467, BEAM	,	2,	10,	117,	72,	0,	0
1468, BEAM	,	2,	10,	72,	29,	0,	0
1469, BEAM	,	2,	10,	421,	378,	0,	0
1470, BEAM	,	2,	10,	378,	333,	0,	0
1471, BEAM	,	2,	10,	333,	290,	0,	0
1472, BEAM	,	2,	10,	290,	247,	0,	0
1473, BEAM	,	2,	10,	247,	204,	0,	0
1474, BEAM	,	2,	10,	204,	161,	0,	0
1475, BEAM	,	2,	10,	161,	118,	0,	0
1476, BEAM	,	2,	10,	118,	73,	0,	0
1477, BEAM	,	2,	10,	73,	30,	0,	0
1478, BEAM	,	2,	10,	422,	379,	0,	0
1479, BEAM	,	2,	10,	379,	334,	0,	0
1480, BEAM	,	2,	10,	334,	291,	0,	0
1481, BEAM	,	2,	10,	291,	248,	0,	0
1482, BEAM	,	2,	10,	248,	205,	0,	0
1483, BEAM	,	2,	10,	205,	162,	0,	0
1484, BEAM	,	2,	10,	162,	119,	0,	0
1485, BEAM	,	2,	10,	119,	74,	0,	0
1486, BEAM	,	2,	10,	74,	31,	0,	0
1487, BEAM	,	2,	10,	423,	380,	0,	0
1488, BEAM	,	2,	10,	380,	335,	0,	0
1489, BEAM	,	2,	10,	335,	292,	0,	0
1490, BEAM	,	2,	10,	292,	249,	0,	0
1491, BEAM	,	2,	10,	249,	206,	0,	0
1492, BEAM	,	2,	10,	206,	163,	0,	0
1493, BEAM	,	2,	10,	163,	120,	0,	0
1494, BEAM	,	2,	10,	120,	75,	0,	0
1495, BEAM	,	2,	10,	75,	32,	0,	0
1496, BEAM	,	2,	10,	425,	382,	0,	0
1497, BEAM	,	2,	10,	382,	337,	0,	0
1498, BEAM	,	2,	10,	337,	294,	0,	0
1499, BEAM	,	2,	10,	294,	251,	0,	0
1500, BEAM	,	2,	10,	251,	208,	0,	0
1501, BEAM	,	2,	10,	208,	165,	0,	0
1502, BEAM	,	2,	10,	165,	122,	0,	0
1503, BEAM	,	2,	10,	122,	77,	0,	0
1504, BEAM	,	2,	10,	77,	34,	0,	0
1505, BEAM	,	2,	10,	426,	383,	0,	0
1506, BEAM	,	2,	10,	383,	338,	0,	0
1507, BEAM	,	2,	10,	338,	295,	0,	0
1508, BEAM	,	2,	10,	295,	252,	0,	0
1509, BEAM	,	2,	10,	252,	209,	0,	0
1510, BEAM	,	2,	10,	209,	166,	0,	0

1511, BEAM	,	2,	10,	166,	123,	0,	0
1512, BEAM	,	2,	10,	123,	78,	0,	0
1513, BEAM	,	2,	10,	78,	35,	0,	0
1514, BEAM	,	2,	10,	427,	384,	0,	0
1515, BEAM	,	2,	10,	384,	339,	0,	0
1516, BEAM	,	2,	10,	339,	296,	0,	0
1517, BEAM	,	2,	10,	296,	253,	0,	0
1518, BEAM	,	2,	10,	253,	210,	0,	0
1519, BEAM	,	2,	10,	210,	167,	0,	0
1520, BEAM	,	2,	10,	167,	124,	0,	0
1521, BEAM	,	2,	10,	124,	79,	0,	0
1522, BEAM	,	2,	10,	79,	36,	0,	0
1523, BEAM	,	2,	10,	428,	385,	0,	0
1524, BEAM	,	2,	10,	385,	340,	0,	0
1525, BEAM	,	2,	10,	340,	297,	0,	0
1526, BEAM	,	2,	10,	297,	254,	0,	0
1527, BEAM	,	2,	10,	254,	211,	0,	0
1528, BEAM	,	2,	10,	211,	168,	0,	0
1529, BEAM	,	2,	10,	168,	125,	0,	0
1530, BEAM	,	2,	10,	125,	80,	0,	0
1531, BEAM	,	2,	10,	80,	37,	0,	0
1532, BEAM	,	2,	10,	429,	386,	0,	0
1533, BEAM	,	2,	10,	386,	341,	0,	0
1534, BEAM	,	2,	10,	341,	298,	0,	0
1535, BEAM	,	2,	10,	298,	255,	0,	0
1536, BEAM	,	2,	10,	255,	212,	0,	0
1537, BEAM	,	2,	10,	212,	169,	0,	0
1538, BEAM	,	2,	10,	169,	126,	0,	0
1539, BEAM	,	2,	10,	126,	81,	0,	0
1540, BEAM	,	2,	10,	81,	38,	0,	0
1541, BEAM	,	2,	10,	430,	387,	0,	0
1542, BEAM	,	2,	10,	387,	342,	0,	0
1543, BEAM	,	2,	10,	342,	299,	0,	0
1544, BEAM	,	2,	10,	299,	256,	0,	0
1545, BEAM	,	2,	10,	256,	213,	0,	0
1546, BEAM	,	2,	10,	213,	170,	0,	0
1547, BEAM	,	2,	10,	170,	127,	0,	0
1548, BEAM	,	2,	10,	127,	82,	0,	0
1549, BEAM	,	2,	10,	82,	39,	0,	0
1550, BEAM	,	2,	10,	431,	388,	0,	0
1551, BEAM	,	2,	10,	388,	343,	0,	0
1552, BEAM	,	2,	10,	343,	300,	0,	0
1553, BEAM	,	2,	10,	300,	257,	0,	0
1554, BEAM	,	2,	10,	257,	214,	0,	0
1555, BEAM	,	2,	10,	214,	171,	0,	0

1556, BEAM	,	2,	10,	171,	128,	0,	0
1557, BEAM	,	2,	10,	128,	83,	0,	0
1558, BEAM	,	2,	10,	83,	40,	0,	0
1559, BEAM	,	2,	10,	432,	389,	0,	0
1560, BEAM	,	2,	10,	389,	344,	0,	0
1561, BEAM	,	2,	10,	344,	301,	0,	0
1562, BEAM	,	2,	10,	301,	258,	0,	0
1563, BEAM	,	2,	10,	258,	215,	0,	0
1564, BEAM	,	2,	10,	215,	172,	0,	0
1565, BEAM	,	2,	10,	172,	129,	0,	0
1566, BEAM	,	2,	10,	129,	84,	0,	0
1567, BEAM	,	2,	10,	84,	41,	0,	0
1568, BEAM	,	2,	10,	433,	390,	0,	0
1569, BEAM	,	2,	10,	390,	345,	0,	0
1570, BEAM	,	2,	10,	345,	302,	0,	0
1571, BEAM	,	2,	10,	302,	259,	0,	0
1572, BEAM	,	2,	10,	259,	216,	0,	0
1573, BEAM	,	2,	10,	216,	173,	0,	0
1574, BEAM	,	2,	10,	173,	130,	0,	0
1575, BEAM	,	2,	10,	130,	85,	0,	0
1576, BEAM	,	2,	10,	85,	42,	0,	0
1577, BEAM	,	2,	10,	434,	391,	0,	0
1578, BEAM	,	2,	10,	391,	346,	0,	0
1579, BEAM	,	2,	10,	346,	303,	0,	0
1580, BEAM	,	2,	10,	303,	260,	0,	0
1581, BEAM	,	2,	10,	260,	217,	0,	0
1582, BEAM	,	2,	10,	217,	174,	0,	0
1583, BEAM	,	2,	10,	174,	131,	0,	0
1584, BEAM	,	2,	10,	131,	86,	0,	0
1585, BEAM	,	2,	10,	86,	43,	0,	0
1586, BEAM	,	2,	10,	435,	392,	0,	0
1587, BEAM	,	2,	10,	392,	347,	0,	0
1588, BEAM	,	2,	10,	347,	304,	0,	0
1589, BEAM	,	2,	10,	304,	261,	0,	0
1590, BEAM	,	2,	10,	261,	218,	0,	0
1591, BEAM	,	2,	10,	218,	175,	0,	0
1592, BEAM	,	2,	10,	175,	132,	0,	0
1593, BEAM	,	2,	10,	132,	87,	0,	0
1594, BEAM	,	2,	10,	87,	44,	0,	0
1595, BEAM	,	2,	10,	436,	393,	0,	0
1596, BEAM	,	2,	10,	393,	348,	0,	0
1597, BEAM	,	2,	10,	348,	305,	0,	0
1598, BEAM	,	2,	10,	305,	262,	0,	0
1599, BEAM	,	2,	10,	262,	219,	0,	0
1600, BEAM	,	2,	10,	219,	176,	0,	0

1601, BEAM , 2, 10, 176, 133, 0, 0
1602, BEAM , 2, 10, 133, 88, 0, 0
1603, BEAM , 2, 10, 88, 45, 0, 0
1604, BEAM , 2, 10, 437, 394, 0, 0
1605, BEAM , 2, 10, 394, 349, 0, 0
1606, BEAM , 2, 10, 349, 306, 0, 0
1607, BEAM , 2, 10, 306, 263, 0, 0
1608, BEAM , 2, 10, 263, 220, 0, 0
1609, BEAM , 2, 10, 220, 177, 0, 0
1610, BEAM , 2, 10, 177, 134, 0, 0
1611, BEAM , 2, 10, 134, 89, 0, 0
1612, BEAM , 2, 10, 89, 46, 0, 0
*GROUP : Group
: NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE
중공슬래브, 5to438, 89to353by44 90to354by44, 0
외측 , 5to47 396to438, 1152to1235, 0
내측 , 48to395, 89to353by44 90to354by44 816to1151 1237 1238 1241 1242, 0
*MATERIAL : Material
: iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA1]
: STEEL, CONC, USER
: iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA2],
[DATA2] : SRC
: [DATA1] : 1, DB, NAME, CODE, USEELAST, ELAST
: [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS
: [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz, Pxy, Pxz, Pyz, DEN, MASS :
Orthotropic
: [DATA2] : 1, DB, NAME, CODE, USEELAST, ELAST or 2, ELAST, POISN, THERMAL, DEN,
MASS
1, CONC , C24 , 0, 0, , C, NO, 0.05, 1, KS01-Civil(RC), KCI-2012 , C24
, NO, 2.5791e+007
2, USER , 횡부재 , 0, 0, , C, NO, 0, 2, 2.7000e+007, 0, 0.0000e+000, 0,
0
*MATL-COLOR
: iMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
*SECT-PSCVALUE : PSC Value, General Section, Composite PC, Composite General
: SECT=iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, bBU, bEQ : 1st
line
: [STIFF1] : 2nd line
: [STIFF2] : 3rd line
: [STIFF3] : 4th line
: T1, T2, BT, HT : 5th line(PSC)
: bSHEARCHK, [SCHK], [WT] : 6th
line(PSC)

Line(General-LINE)
: LOOP=bl, COUNT1, LIX11, LIX12, ..., LIXn :
Line(General-LINE)
: ...
: LOOP=bl, COUNTn, LIXn1, LIXn2, ..., LIXnn :
Line(General-LINE)
: SECT=iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, bBU, bEQ, BPRT : 1st
line - COMPOSITE-GEN
: [PART1] : 2nd line
: [PART2] : 3rd line
: ...
: SECT=iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, bEQ, PARTNUM :
1st line - COMPOSITE-GEN(TAPERED)
: [PART1]-I : 2nd line
: [PART2]-I : next lines
: ...
: [PART1]-J : next lines
: [PART2]-J : next lines
: ...
: [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
: [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
: [STIFF1] : AREA, ASy, ASz, lxx, lyy, lzz
: [STIFF2] : Cyp, Cym, Czp, Czm, Qyb, Qzb, PERI_OUT, PERI_IN, Cy, Cz
: [STIFF3] : Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4
: [SCHK] : Z1, Z3, bAUTO_QY1, QY1, bAUTO_QY2, QY2, bAUTO_QY3, QY3
: [WT] : TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
: [PART] : PART=part_num
: : [STIFF1]
: : [STIFF2]
: : [STIFF3]
: : [STIFF1] : [STIFF1] of Part
Sum.
: : [STIFF2] : [STIFF2] of Part
Sum.
: : [STIFF3] : [STIFF3] of Part
Sum.
: : OPOLY=(bl-Tapered), X1, Y1, X2, Y2, ..., Xn, Yn : Outer
Polygon(PLANE)
: : IPOLY=(bl-Tapered), X1, Y1, X2, Y2, ..., Xn, Yn : Inner
Polygon(PLANE)
: : ...
: : IPOLY=(bl-Tapered), X1, Y1, X2, Y2, ..., Xn, Yn : Inner
Polygon(PLANE)
: : VERTEX=(bl-Tapered), X1, Y1, X2, Y2, ..., Xn, Yn :
Vertex(General-LINE)

: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc : 7th
line(COMPOSITE-PC)
: OPOLY=X1, Y1, X2, Y2, ..., Xn, Yn : Outer
Polygon(PLANE)
: IPOLY=X1, Y1, X2, Y2, ..., Xn, Yn : Inner
Polygon(PLANE)
: ...
: IPOLY=X1, Y1, X2, Y2, ..., Xn, Yn : Inner
Polygon(PLANE)
: VERTEX=X1, Y1, X2, Y2, ..., Xn, Yn :
Vertex(General-LINE)
: LINE=V11, VJ1, dTHIK1, iALIGN1 :
Line(General-LINE)
: ...
: LINE=Vin, VJn, dTHIKn, iALIGNn :
Line(General-LINE)
: LOOP=COUNT1, LIX11, LIX12, ..., LIXn :
Line(General-LINE)
: ...
: LOOP=COUNTn, LIXn1, LIXn2, ..., LIXnn :
Line(General-LINE)
: SECT=iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, bEQ : 1st
line - TAPERED
: [STIFF1]-I : 2nd line
: [STIFF2]-I : 3rd line
: [STIFF3]-I : 4th line
: [STIFF1]-J : 5th line
: [STIFF2]-J : 6th line
: [STIFF3]-J : 7th line
: T1-I, T2-I, BT-I, HT-I, T1-J, T2-J, BT-J, HT-J : 8th line(PSC)
: bSHEARCHK, [SCHK-I], [WT-I], [SCHK-J], [WT-J] : 9rd
line(PSC)
: OPOLY=bl, X1, Y1, X2, Y2, ..., Xn, Yn : Outer
Polygon(PLANE)
: IPOLY=bl, X1, Y1, X2, Y2, ..., Xn, Yn : Inner
Polygon(PLANE)
: ...
: IPOLY=bl, X1, Y1, X2, Y2, ..., Xn, Yn : Inner
Polygon(PLANE)
: VERTEX=bl, X1, Y1, X2, Y2, ..., Xn, Yn :
Vertex(General-LINE)
: LINE=bl, V11, VJ1, dTHIK1, iALIGN1 :
Line(General-LINE)
: ...
: LINE=bl, V1n, VJn, dTHIKn, iALIGNn :

: : LINE=(bl-Tapered), V11, VJ1, dTHIK1, iALIGN1 :
Line(General-LINE)
: : ...
: : LINE=(bl-Tapered), V1n, VJn, dTHIKn, iALIGNn :
Line(General-LINE)
: : LOOP=(bl-Tapered), COUNT1, LIX11, LIX12, ..., LIXn :
Line(General-LINE)
: : ...
: : LOOP=(bl-Tapered), COUNTn, LIXn1, LIXn2, ..., LIXnn :
Line(General-LINE)
SECT= 1, VALUE , 중공중앙 , CB, 0, 0, 0, 0, 0, YES, NO, GEN, YES, YES
0.529084, 0.428702, 0.276384, 0.016654, 0.0483952, 0.0235933
0.45, 0.45, 0.45, 0.45, 0.244206, 0.0507706, 4.28256, 0, 0.45, 0.45
-0.45, 0.45, 0.45, -0.45, 0.45, 0.45, -0.45, -0.45
OPOLY=-0.45, 0.45, -0.45, 0.3, -0.397906, 0.295442, -0.347394, 0.281908
-0.3, 0.259808, -0.257164, 0.229813, -0.220187, 0.192836
-0.190192, 0.15, -0.168092, 0.102606, -0.154558, 0.0520945
-0.15, 3.33067e-016, -0.154558, -0.0520945, -0.168092, -0.102606
-0.190192, -0.15, -0.220187, -0.192836, -0.257164, -0.229813
-0.3, -0.259808, -0.347394, -0.281908, -0.397906, -0.295442
-0.45, -0.3, -0.45, -0.45, 0.45, -0.45, 0.45, -0.3
0.397906, -0.295442, 0.347394, -0.281908, 0.3, -0.259808
0.257164, -0.229813, 0.220187, -0.192836, 0.190192, -0.15
0.168092, -0.102606, 0.154558, -0.0520945, 0.15, 4.996e-016
0.154558, 0.0520945, 0.168092, 0.102606, 0.190192, 0.15
0.220187, 0.192836, 0.257164, 0.229813, 0.3, 0.259808
0.347394, 0.281908, 0.397906, 0.295442, 0.45, 0.3, 0.45, 0.45
SECT= 2, VALUE , 지점중앙 , CB, 0, 0, 0, 0, 0, YES, NO, GEN, YES, YES
0.81, 0.675367, 0.675122, 0.0923049, 0.054675, 0.054675
0.45, 0.45, 0.45, 0.45, 0.10125, 0.10125, 3.6, 0, 0.45, 0.45
-0.45, 0.45, 0.45, -0.45, 0.45, 0.45, -0.45, -0.45
OPOLY=-0.45, 0.45, -0.45, -0.45, 0.45, -0.45, 0.45, 0.45
SECT= 5, VALUE , 중공우측 , RB, 0, 0, 0, 0, 0, YES, NO, GEN, YES, YES
0.819682, 0.656639, 0.48924, 0.0590613, 0.063335, 0.0816892
0.625794, 0.774206, 0.397388, 0.502612, 0.145428, 0.118018, 4.72438, 0, 0.774206,
0.502612
-0.774206, 0.625794, 0.625794, -0.274206, 0.397388, 0.397388, -0.502612, -0.502612
OPOLY=-0.774206, 0.397388, -0.774206, 0.247388, -0.274206, -0.0526119
-0.274206, -0.502612, 0.625794, -0.502612, 0.625794, -0.352612
0.573699, -0.348054, 0.523188, -0.33452, 0.475794, -0.312419
0.432958, -0.282425, 0.39598, -0.245448, 0.365986, -0.202612
0.343886, -0.155218, 0.330351, -0.104706, 0.325794, -0.0526119
0.330351, -0.000517403, 0.343886, 0.0499942, 0.365986, 0.0973881
0.39598, 0.140224, 0.432958, 0.177201, 0.475794, 0.207196
0.523188, 0.229296, 0.573699, 0.24283, 0.625794, 0.247388

```
0.625794, 0.397388
SECT= 6, VALUE , 중공좌측 , LB, 0, 0, 0, 0, 0, YES, NO, GEN, YES, YES
0.819682, 0.656649, 0.488807, 0.059044, 0.063335, 0.0816892
0.774206, 0.625794, 0.397388, 0.502612, 0.145428, 0.117856, 4.72438, 0, 0.625794,
0.502612
-0.625794, 0.774206, 0.274206, -0.625794, 0.397388, 0.397388, -0.502612, -0.502612
OPOLY=-0.625794, 0.397388, -0.625794, 0.247388, -0.573699, 0.24283
-0.523188, 0.229296, -0.475794, 0.207196, -0.432958, 0.177201
-0.39598, 0.140224, -0.365986, 0.0973881, -0.343886, 0.0499942
-0.330351, -0.000517403, -0.325794, -0.0526119
-0.330351, -0.104706, -0.343886, -0.155218, -0.365986, -0.202612
-0.39598, -0.245448, -0.432958, -0.282425, -0.475794, -0.312419
-0.523188, -0.33452, -0.573699, -0.348054, -0.625794, -0.352612
-0.625794, -0.502612, 0.274206, -0.502612, 0.274206, -0.0526119
0.774206, 0.247388, 0.774206, 0.397388
SECT= 7, VALUE , 지점우측 , RB, 0, 0, 0, 0, 0, YES, NO, GEN, YES, YES
0.96, 0.780287, 0.702508, 0.106848, 0.0668002, 0.112392
0.552865, 0.847135, 0.405078, 0.494922, 0.113094, 0.152829, 4.3831, 0, 0.847135, 0.494922
-0.847135, 0.552865, 0.552865, -0.347135, 0.405078, 0.405078, -0.494922, -0.494922
OPOLY=-0.847135, 0.405078, -0.847135, 0.255078, -0.347135, -0.0449219
-0.347135, -0.494922, 0.552865, -0.494922, 0.552865, 0.405078
SECT= 8, VALUE , 지점좌측 , LB, 0, 0, 0, 0, 0, YES, NO, GEN, YES, YES
0.96, 0.780037, 0.702145, 0.106843, 0.0668002, 0.112392
0.847135, 0.552865, 0.405078, 0.494922, 0.113094, 0.15283, 4.3831, 0, 0.552865, 0.494922
-0.552865, 0.847135, 0.347135, -0.552865, 0.405078, 0.405078, -0.494922, -0.494922
OPOLY=-0.552865, 0.405078, -0.552865, -0.494922, 0.347135, -0.494922
0.347135, -0.0449219, 0.847135, 0.255078, 0.847135, 0.405078
*SECTION : Section
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, [DATA1], [DATA2] : 1st
line - DB/USER
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, BLT, D1, ..., D8, iCEL : 1st
line - VALUE
: AREA, ASy, ASz, lxx, lyy, lzz : 2nd line
: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz : 3rd
line
: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz : 4th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL :
1st line - SRC
: D1, D2, [SRC] : 2nd line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2 :
1st line - COMBINED
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22,
D23, D24
: iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, STYPE :
1st line - TAPERED
```

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: DB, NAME1, NAME2 : 2nd
line(STYPE=DB)
: [DIM1], [DIM2] : 2nd
line(STYPE=USER)
: D11, D12, D13, D14, D15, D16, D17, D18 : 2nd
line(STYPE=VALUE)
: AREA1, ASy1, ASz1, lxx1, lyy1, lzz1 : 3rd
line(STYPE=VALUE)
: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 : 4th
line(STYPE=VALUE)
: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 : 5th
line(STYPE=VALUE)
: D21, D22, D23, D24, D25, D26, D27, D28 : 6th
line(STYPE=VALUE)
: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2 : 7th
line(STYPE=VALUE)
: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 : 8th
line(STYPE=VALUE)
: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 : 9th
line(STYPE=VALUE)
: OPT1, OPT2, [JOINT] : 2nd
line(STYPE=PSC)
: ELAST, DEN, POIS, POIC, THERMAL : 2nd
line(STYPE=PSC-CMPW)
: bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE : 3rd
line(STYPE=PSC)
: bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] : 3rd
line(STYPE=PSC-CMPW)
: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] : 4th
line(STYPE=PSC)
: [SIZE-A]-i : 5th
line(STYPE=PSC)
: [SIZE-B]-i : 6th
line(STYPE=PSC)
: [SIZE-C]-i : 7th
line(STYPE=PSC)
: [SIZE-D]-i : 8th
line(STYPE=PSC)
: [SIZE-A]-j : 9th
line(STYPE=PSC)
: [SIZE-B]-j : 10th
line(STYPE=PSC)
: [SIZE-C]-j : 11th
line(STYPE=PSC)
: [SIZE-D]-j : 12th
```

```
line(STYPE=PSC)
: GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S : 2nd
line(STYPE=CMP-B/I)
: SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i : 3rd
line(STYPE=CMP-B/I)
: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j : 4th
line(STYPE=CMP-B/I)
: N1, N2, Hr, Hr2, tr1, tr2 : 5th
line(STYPE=CMP-B)
: GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j : 2nd
line(STYPE=CMP-CI/CT)
: OPT1, OPT2, [JOINT] : 3rd
line(STYPE=CMP-CI/CT)
: [SIZE-A]-i : 4th
line(STYPE=CMP-CI/CT)
: [SIZE-B]-i : 5th
line(STYPE=CMP-CI/CT)
: [SIZE-C]-i : 6th
line(STYPE=CMP-CI/CT)
: [SIZE-D]-i : 7th
line(STYPE=CMP-CI/CT)
: [SIZE-A]-j : 8th
line(STYPE=CMP-CI/CT)
: [SIZE-B]-j : 9th
line(STYPE=CMP-CI/CT)
: [SIZE-C]-j : 10th
line(STYPE=CMP-CI/CT)
: [SIZE-D]-j : 11th
line(STYPE=CMP-CI/CT)
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, STYPE1, STYPE2 : 1st line
- CONSTRUCT
: SHAPE, ...(same with other type data from shape) : Before
(STYPE1)
: SHAPE, ...(same with other type data from shape) : After
(STYPE2)
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE : 1st line -
COMPOSITE-SB
: Hw, tw, B, Bf1, tf1, B2, Bf2, tf2 : 2nd line
: N1, N2, Hr, Hr2, tr1, tr2 : 3rd line
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh : 4th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE : 1st line -
COMPOSITE-SI
: Hw, tw, B, tf1, B2, tf2 : 2nd line
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh : 3rd line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE : 1st line -
```

```
COMPOSITE-CI/CT
: OPT1, OPT2, [JOINT] : 2nd line
: [SIZE-A] : 3rd line
: [SIZE-B] : 4th line
: [SIZE-C] : 5th line
: [SIZE-D] : 6th line
: SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb : 7th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE : 1st line -
PSC
: OPT1, OPT2, [JOINT] : 2nd line
: bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE : 3rd line
: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF] : 4th line
: bWE, [WARPING POINT]-i, [WARPING POINT]-j : 5th line
: [SIZE-A] : 6th line
: [SIZE-B] : 7th line
: [SIZE-C] : 8th line
: [SIZE-D] : 9th line
: [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
: [DATA2] : CCSHAPE or iCEL or iN1, iN2
: [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
: [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
: [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
: [OFFSET2] : OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
: [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL),
2(nCEL2)
: [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL),
11(nCEL2)
: [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL),
18(nCEL2)
: [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL),
11(nCEL2)
: [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL),
18(nCEL2)
: [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz
: [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
: [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
: [CMPWEB] : EFD, LRF, A, B, H, T
: [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
3, DBUSER , 기동 , CC, 0, 0, 0, 0, 0, 0, YES, NO, SR , 2, 1.4, 0, 0, 0, 0, 0,
0, 0, 0, 0
4, DBUSER , 코핑 , CT, 0, 0, 0, 0, 0, 0, YES, NO, SB , 2, 0.8, 1.4, 0, 0, 0, 0,
0, 0, 0, 0
9, VALUE , 횡 1.0 , CC, 0, 0, 0, 0, 0, 0, YES, NO, H , BUILT, 0, 0, 0, 0, 0, 0,
0, 0, 0, 0
0, 0, 0, 0.16, 0.08, 0.08
```

```
0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0, 0, 0, 0, 0, 0, 0, 0, 0, 0
10, VALUE      , 형 2.5      , CC, 0, 0, 0, 0, 0, YES, NO, H  , BUILT, 0, 0, 0, 0, 0,
0, 0, 0, 0
0, 0, 0, 0.416, 0.208, 0.208
0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0, 0, 0, 0, 0, 0, 0, 0, 0, 0
*SECT-COLOR
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, [DATA1], [DATA2]      : 1st
line - DB/USER
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, BLT, D1, ..., D8, iCEL      : 1st
line - VALUE
: AREA, ASy, ASz, lxx, lyy, lzz      : 2nd line
: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz      : 3rd
line
: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz      : 4th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL :
1st line - SRC
: D1, D2, [SRC]      : 2nd line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2      :
1st line - COMBINED
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22,
D23, D24
: iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, STYPE      :
1st line - TAPERED
: DB, NAME1, NAME2      : 2nd
line(STYPE=DB)
: [DIM1], [DIM2]      : 2nd
line(STYPE=USER)
: D11, D12, D13, D14, D15, D16, D17, D18      : 2nd
line(STYPE=VALUE)
: AREA1, ASy1, ASz1, lxx1, lyy1, lzz1      : 3rd
line(STYPE=VALUE)
```

```
line(STYPE=CMP-B)
: GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j      : 2nd
line(STYPE=CMP-CI/CT)
: OPT1, OPT2, [JOINT]      : 3rd
line(STYPE=CMP-CI/CT)
: [SIZE-A]-i      : 4th
line(STYPE=CMP-CI/CT)
: [SIZE-B]-i      : 5th
line(STYPE=CMP-CI/CT)
: [SIZE-C]-i      : 6th
line(STYPE=CMP-CI/CT)
: [SIZE-D]-i      : 7th
line(STYPE=CMP-CI/CT)
: [SIZE-A]-j      : 8th
line(STYPE=CMP-CI/CT)
: [SIZE-B]-j      : 9th
line(STYPE=CMP-CI/CT)
: [SIZE-C]-j      : 10th
line(STYPE=CMP-CI/CT)
: [SIZE-D]-j      : 11th
line(STYPE=CMP-CI/CT)
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, STYPE1, STYPE2      : 1st line
- CONSTRUCT
: SHAPE, ...(same with other type data from shape)      : Before
(STYPE1)
: SHAPE, ...(same with other type data from shape)      : After
(STYPE2)
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE      : 1st line -
COMPOSITE-SB
: Hw, tw, B, Bf1, tf1, B2, Bf2, tf2      : 2nd line
: N1, N2, Hr, Hr2, tr1, tr2      : 3rd line
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh      : 4th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE      : 1st line -
COMPOSITE-SI
: Hw, tw, B, tf1, B2, tf2      : 2nd line
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh      : 3rd line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE      : 1st line -
COMPOSITE-CI/CT
: OPT1, OPT2, [JOINT]      : 2nd line
: [SIZE-A]      : 3rd line
: [SIZE-B]      : 4th line
: [SIZE-C]      : 5th line
: [SIZE-D]      : 6th line
: SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb      : 7th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE      : 1st line -
```

```
: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1      : 4th
line(STYPE=VALUE)
: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2      : 5th
line(STYPE=VALUE)
: D21, D22, D23, D24, D25, D26, D27, D28      : 6th
line(STYPE=VALUE)
: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2      : 7th
line(STYPE=VALUE)
: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2      : 8th
line(STYPE=VALUE)
: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2      : 9th
line(STYPE=VALUE)
: OPT1, OPT2, [JOINT]      : 2nd
line(STYPE=PSC)
: ELAST, DEN, POIS, POIC, THERMAL      : 2nd
line(STYPE=PSC-CMPW)
: bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE : 3rd
line(STYPE=PSC)
: bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J]      : 3rd
line(STYPE=PSC-CMPW)
: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J]      : 4th
line(STYPE=PSC)
: [SIZE-A]-i      : 5th
line(STYPE=PSC)
: [SIZE-B]-i      : 6th
line(STYPE=PSC)
: [SIZE-C]-i      : 7th
line(STYPE=PSC)
: [SIZE-D]-i      : 8th
line(STYPE=PSC)
: [SIZE-A]-j      : 9th
line(STYPE=PSC)
: [SIZE-B]-j      : 10th
line(STYPE=PSC)
: [SIZE-C]-j      : 11th
line(STYPE=PSC)
: [SIZE-D]-j      : 12th
line(STYPE=PSC)
: GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S      : 2nd
line(STYPE=CMP-B/I)
: SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i      : 3rd
line(STYPE=CMP-B/I)
: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j      : 4th
line(STYPE=CMP-B/I)
: N1, N2, Hr, Hr2, tr1, tr2      : 5th
```

```
PSC
: OPT1, OPT2, [JOINT]      : 2nd line
: bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE      : 3rd line
: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF]      : 4th line
: bWE, [WARPING POINT]-i, [WARPING POINT]-j      : 5th line
: [SIZE-A]      : 6th line
: [SIZE-B]      : 7th line
: [SIZE-C]      : 8th line
: [SIZE-D]      : 9th line
: [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
: [DATA2] : CCSHAPE or iCEL or iN1, iN2
: [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
: [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
: [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
: [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
: [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL),
2(nCEL2)
: [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL),
11(nCEL2)
: [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL),
18(nCEL2)
: [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL),
11(nCEL2)
: [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL),
18(nCEL2)
: [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz
: [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
: [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
: [CMPWEB] : EPD, LRF, A, B, H, T
: [WARPING POINT] : nWarpingCheck, X1.X2.X3.X4.X5.X6, Y1.Y2.Y3.Y4.Y5.Y6
3, DBUSER , 기동 , CC, 0, 0, 0, 0, 0, YES, NO, SR , 2, 1.4, 0, 0, 0, 0, 0,
0, 0, 0, 0
4, DBUSER , 코핑 , CT, 0, 0, 0, 0, 0, YES, NO, SB , 2, 0.8, 1.4, 0, 0, 0, 0,
0, 0, 0, 0, 0
9, VALUE , 형 1.0 , CC, 0, 0, 0, 0, 0, YES, NO, H , BUILT, 0, 0, 0, 0, 0,
0, 0, 0, 0
0, 0, 0, 0.16, 0.08, 0.08
0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0, 0, 0, 0, 0, 0, 0, 0, 0, 0
10, VALUE , 형 2.5 , CC, 0, 0, 0, 0, 0, YES, NO, H , BUILT, 0, 0, 0, 0, 0,
0, 0, 0, 0
0, 0, 0, 0.416, 0.208, 0.208
0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0, 0, 0, 0, 0, 0, 0, 0, 0, 0
*DGN-SECT-PSCVALUE : Design Section of PSC Value
```

```
: SECT=iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, bBU, bEQ          : 1st
line
:   [STIFF1]                  : 2nd line
:   [STIFF2]                  : 3rd line
:   [STIFF3]                  : 4th line
:   T1, T2, BT, HT           : 5th line(PSC)
:   bSHEARCHK, [SCHK], [WT]   : 6th
line(PSC)
:   SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc                       : 7th
line(COMPOSITE-PC)
:   OPOLY=X1, Y1, X2, Y2, ..., Xn, Yn                                : Outer
Polygon(PLANE)
:   IPOLY=X1, Y1, X2, Y2, ..., Xn, Yn                                : Inner
Polygon(PLANE)
:   ...
:   IPOLY=X1, Y1, X2, Y2, ..., Xn, Yn                                : Inner
Polygon(PLANE)
:   VERTEX=X1, Y1, X2, Y2, ..., Xn, Yn                                :
Vertex(General-LINE)
:   LINE=V11, VJ1, dTHIK1, iALIGN1                                    :
Line(General-LINE)
:   ...
:   LINE=V1n, VJn, dTHIKn, iALIGNn                                    :
Line(General-LINE)
:   LOOP=COUNT1, LIX11, LIX12, ..., LIXn                             :
Line(General-LINE)
:   ...
:   LOOP=COUNTn, LIXn1, LIXn2, ..., LIXnn                             :
Line(General-LINE)
: SECT=iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, bEQ : 1st
line - TAPERED
:   [STIFF1-I]                : 2nd line
:   [STIFF2-I]                : 3rd line
:   [STIFF3-I]                : 4th line
:   [STIFF1-J]                : 5th line
:   [STIFF2-J]                : 6th line
:   [STIFF3-J]                : 7th line
:   T1-I, T2-I, BT-I, HT-I, T1-J, T2-J, BT-J, HT-J                 : 8th line(PSC)
:   bSHEARCHK, [SCHK-I], [WT-I], [SCHK-J], [WT-J]                 : 9rd
line(PSC)
:   OPOLY=bl, X1, Y1, X2, Y2, ..., Xn, Yn                            : Outer
Polygon(PLANE)
:   IPOLY=bl, X1, Y1, X2, Y2, ..., Xn, Yn                            : Inner
Polygon(PLANE)
:   ...

Polygon(PLANE)
:   : IPOLY=(bl-Tapered), X1, Y1, X2, Y2, ..., Xn, Yn              : Inner
Polygon(PLANE)
:   : ...
:   : IPOLY=(bl-Tapered), X1, Y1, X2, Y2, ..., Xn, Yn              : Inner
Polygon(PLANE)
:   : VERTEX=(bl-Tapered), X1, Y1, X2, Y2, ..., Xn, Yn             :
Vertex(General-LINE)
:   : LINE=(bl-Tapered), V11, VJ1, dTHIK1, iALIGN1                 :
Line(General-LINE)
:   : ...
:   : LINE=(bl-Tapered), V1n, VJn, dTHIKn, iALIGNn                 :
Line(General-LINE)
:   : LOOP=(bl-Tapered), COUNT1, LIX11, LIX12, ..., LIXn           :
Line(General-LINE)
:   : ...
:   : LOOP=(bl-Tapered), COUNTn, LIXn1, LIXn2, ..., LIXnn           :
Line(General-LINE)
SECT= 1, VALUE , 중공중앙 , CB, 0, 0, 0, 0, 0, YES, NO, GEN, YES, YES
0.529084, 0.428702, 0.276384, 0.016654, 0.0483952, 0.0235933
0.45, 0.45, 0.45, 0.45, 0.244206, 0.0507706, 4.28256, 0, 0.45, 0.45
-0.45, 0.45, 0.45, -0.45, 0.45, 0.45, -0.45, -0.45
OPOLY=-0.45, 0.45, -0.45, 0.3, -0.397906, 0.295442, -0.347394, 0.281908
-0.3, 0.259808, -0.257164, 0.229813, -0.220187, 0.192836
-0.190192, 0.15, -0.168092, 0.102606, -0.154558, 0.0520945
-0.15, 3.33067e-016, -0.154558, -0.0520945, -0.168092, -0.102606
-0.190192, -0.15, -0.220187, -0.192836, -0.257164, -0.229813
-0.3, -0.259808, -0.347394, -0.281908, -0.397906, -0.295442
-0.45, -0.3, -0.45, -0.45, 0.45, -0.45, 0.45, -0.3
0.397906, -0.295442, 0.347394, -0.281908, 0.3, -0.259808
0.257164, -0.229813, 0.220187, -0.192836, 0.190192, -0.15
0.168092, -0.102606, 0.154558, -0.0520945, 0.15, 4.996e-016
0.154558, 0.0520945, 0.168092, 0.102606, 0.190192, 0.15
0.220187, 0.192836, 0.257164, 0.229813, 0.3, 0.259808
0.347394, 0.281908, 0.397906, 0.295442, 0.45, 0.3, 0.45, 0.45
SECT= 2, VALUE , 지점중앙 , CB, 0, 0, 0, 0, 0, YES, NO, GEN, YES, YES
0.81, 0.675367, 0.675122, 0.0923049, 0.054675, 0.054675
0.45, 0.45, 0.45, 0.45, 0.10125, 0.10125, 3.6, 0, 0.45, 0.45
-0.45, 0.45, 0.45, -0.45, 0.45, 0.45, -0.45, -0.45
OPOLY=-0.45, 0.45, -0.45, -0.45, 0.45, -0.45, 0.45, 0.45
SECT= 5, VALUE , 중공우측 , LB, 0, 0, 0, 0, 0, YES, NO, GEN, YES, YES
0.819682, 0.656639, 0.48924, 0.0590613, 0.063335, 0.0816892
0.625794, 0.774206, 0.397388, 0.502612, 0.145428, 0.118018, 4.72438, 0, 0.774206,
0.502612
-0.774206, 0.625794, 0.625794, -0.274206, 0.397388, 0.397388, -0.502612, -0.502612
```

```
: IPOLY=bl, X1, Y1, X2, Y2, ..., Xn, Yn                                : Inner
Polygon(PLANE)
:   VERTEX=bl, X1, Y1, X2, Y2, ..., Xn, Yn                            :
Vertex(General-LINE)
:   LINE=bl, V11, VJ1, dTHIK1, iALIGN1                                :
Line(General-LINE)
:   ...
:   LINE=bl, V1n, VJn, dTHIKn, iALIGNn                                :
Line(General-LINE)
:   LOOP=bl, COUNT1, LIX11, LIX12, ..., LIXn                             :
Line(General-LINE)
:   ...
:   LOOP=bl, COUNTn, LIXn1, LIXn2, ..., LIXnn                             :
Line(General-LINE)
: SECT=iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, bBU, bEQ, BPRT   : 1st
line - COMPOSITE-GEN
:   [PART1]                                                            : 2nd line
:   [PART2]                                                            : 3rd line
:   ...
: SECT=iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, bEQ, PARTNUM :
1st line - COMPOSITE-GEN(TAPERED)
:   [PART1]-I                                                          : 2nd line
:   [PART2]-I                                                          : next lines
:   ...
:   [PART1]-J                                                          : next lines
:   [PART2]-J                                                          : next lines
:   ...
: [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
: [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
: [STIFF1] : AREA, ASy, ASz, lxx, lyy, lzz
: [STIFF2] : Cyp, Cym, Czp, Czm, Qyb, Qzb, PERI_OUT, PERI_IN, Cy, Cz
: [STIFF3] : Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4
: [SCHK]    : Z1, Z3, bAUTO_QY1, QY1, bAUTO_QY2, QY2, bAUTO_QY3, QY3
: [WT]       : TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
: [PART]     : PART=part_num
:   : [STIFF1]
:   : [STIFF2]
:   : [STIFF3]
:   : [STIFF1] : [STIFF1] of Part
Sum.
:   : [STIFF2] : [STIFF2] of Part
Sum.
:   : [STIFF3] : [STIFF3] of Part
Sum.
:   : OPOLY=(bl-Tapered), X1, Y1, X2, Y2, ..., Xn, Yn              : Outer
OPOLY=-0.774206, 0.397388, -0.774206, 0.247388, -0.274206, -0.0526119
-0.274206, -0.502612, 0.625794, -0.502612, 0.625794, -0.352612
0.573699, -0.348054, 0.523188, -0.33452, 0.475794, -0.312419
0.432958, -0.282425, 0.39598, -0.245448, 0.365986, -0.202612
0.343886, -0.155218, 0.330351, -0.104706, 0.325794, -0.0526119
0.330351, -0.000517403, 0.343886, 0.0499942, 0.365986, 0.0973881
0.39598, 0.140224, 0.432958, 0.177201, 0.475794, 0.207196
0.523188, 0.229296, 0.573699, 0.24283, 0.625794, 0.247388
0.625794, 0.397388
SECT= 6, VALUE , 중공좌측 , LB, 0, 0, 0, 0, 0, YES, NO, GEN, YES, YES
0.819682, 0.656649, 0.488807, 0.059044, 0.063335, 0.0816892
0.774206, 0.625794, 0.397388, 0.502612, 0.145428, 0.117856, 4.72438, 0, 0.625794,
0.502612
-0.625794, 0.774206, 0.274206, -0.625794, 0.397388, 0.397388, -0.502612, -0.502612
OPOLY=-0.625794, 0.397388, -0.625794, 0.247388, -0.573699, 0.24283
-0.523188, 0.229296, -0.475794, 0.207196, -0.432958, 0.177201
-0.39598, 0.140224, -0.365986, 0.0973881, -0.343886, 0.0499942
-0.330351, -0.000517403, -0.325794, -0.0526119
-0.330351, -0.104706, -0.343886, -0.155218, -0.365986, -0.202612
-0.39598, -0.245448, -0.432958, -0.282425, -0.475794, -0.312419
-0.523188, -0.33452, -0.573699, -0.348054, -0.625794, -0.352612
-0.625794, -0.502612, 0.274206, -0.502612, 0.274206, -0.0526119
0.774206, 0.247388, 0.774206, 0.397388
SECT= 7, VALUE , 지점우측 , RB, 0, 0, 0, 0, 0, YES, NO, GEN, YES, YES
0.96, 0.780287, 0.702508, 0.106848, 0.0668002, 0.112392
0.552865, 0.847135, 0.405078, 0.494922, 0.113094, 0.152829, 4.3831, 0, 0.847135, 0.494922
-0.847135, 0.552865, 0.552865, -0.347135, 0.405078, 0.405078, -0.494922, -0.494922
OPOLY=-0.847135, 0.405078, -0.847135, 0.255078, -0.347135, -0.0449219
-0.347135, -0.494922, 0.552865, -0.494922, 0.552865, 0.405078
SECT= 8, VALUE , 지점좌측 , LB, 0, 0, 0, 0, 0, YES, NO, GEN, YES, YES
0.96, 0.780037, 0.702145, 0.106843, 0.0668002, 0.112392
0.847135, 0.552865, 0.405078, 0.494922, 0.113094, 0.15283, 4.3831, 0, 0.552865, 0.494922
-0.552865, 0.847135, 0.347135, -0.552865, 0.405078, 0.405078, -0.494922, -0.494922
OPOLY=-0.552865, 0.405078, -0.552865, -0.494922, 0.347135, -0.494922
0.347135, -0.0449219, 0.847135, 0.255078, 0.847135, 0.405078
*STLDCASE : Static Load Cases
: LCNAME, LCTYPE, DESC
중공슬래브 자중, USER,
기타고정하중, USER,
풍하중, USER,
온도+, USER,
온도-, USER,
시제동하중, USER,
*CONSTRAINT : Supports
: NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
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5to395by130 47 48to438by130 90 93to222by43 221to350by43 353 396, 011000,
1to4, 111111,
*ELASTICLINK
: iNO, iNODE1, iNODE2, LINK, ANGLE, SDx, SDy, SDz, SRx, SRy, SRz, bSHEAR, DRy, DRz,
GROUP : GEN
: iNO, iNODE1, iNODE2, LINK, ANGLE, bSHEAR, DRy, DRz, GROUP
: RIGID
: iNO, iNODE1, iNODE2, LINK, ANGLE, SDx, bSHEAR, DRy, DRz, GROUP
: TENS,COMP
: iNO, iNODE1, iNODE2, LINK, ANGLE, (UN)SYM, NUM, DIST1, FORCE1 ... DIST10, FORCE10,
DIR, bSHEAR, DRENDI, GROUP : MULTI LINEAR
1, 396, 353, RIGID, 0, NO, 0.5, 0.5,
2, 353, 308, RIGID, 0, NO, 0.5, 0.5,
3, 308, 265, RIGID, 0, NO, 0.5, 0.5,
4, 265, 222, RIGID, 0, NO, 0.5, 0.5,
5, 222, 179, RIGID, 0, NO, 0.5, 0.5,
6, 179, 136, RIGID, 0, NO, 0.5, 0.5,
7, 136, 93, RIGID, 0, NO, 0.5, 0.5,
8, 93, 48, RIGID, 0, NO, 0.5, 0.5,
9, 48, 5, RIGID, 0, NO, 0.5, 0.5,
10, 397, 354, RIGID, 0, NO, 0.5, 0.5,
11, 354, 309, RIGID, 0, NO, 0.5, 0.5,
12, 309, 266, RIGID, 0, NO, 0.5, 0.5,
13, 266, 223, RIGID, 0, NO, 0.5, 0.5,
14, 223, 180, RIGID, 0, NO, 0.5, 0.5,
15, 180, 137, RIGID, 0, NO, 0.5, 0.5,
16, 137, 94, RIGID, 0, NO, 0.5, 0.5,
17, 94, 49, RIGID, 0, NO, 0.5, 0.5,
18, 49, 6, RIGID, 0, NO, 0.5, 0.5,
19, 398, 355, RIGID, 0, NO, 0.5, 0.5,
20, 355, 310, RIGID, 0, NO, 0.5, 0.5,
21, 310, 267, RIGID, 0, NO, 0.5, 0.5,
22, 267, 224, RIGID, 0, NO, 0.5, 0.5,
23, 224, 181, RIGID, 0, NO, 0.5, 0.5,
24, 181, 138, RIGID, 0, NO, 0.5, 0.5,
25, 138, 95, RIGID, 0, NO, 0.5, 0.5,
26, 95, 50, RIGID, 0, NO, 0.5, 0.5,
27, 50, 7, RIGID, 0, NO, 0.5, 0.5,
28, 399, 356, RIGID, 0, NO, 0.5, 0.5,
29, 356, 311, RIGID, 0, NO, 0.5, 0.5,
30, 311, 268, RIGID, 0, NO, 0.5, 0.5,
31, 268, 225, RIGID, 0, NO, 0.5, 0.5,
32, 225, 182, RIGID, 0, NO, 0.5, 0.5,
33, 182, 139, RIGID, 0, NO, 0.5, 0.5,
34, 139, 96, RIGID, 0, NO, 0.5, 0.5,
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35, 96, 51, RIGID, 0, NO, 0.5, 0.5,
36, 51, 8, RIGID, 0, NO, 0.5, 0.5,
37, 400, 357, RIGID, 0, NO, 0.5, 0.5,
38, 357, 312, RIGID, 0, NO, 0.5, 0.5,
39, 312, 269, RIGID, 0, NO, 0.5, 0.5,
40, 269, 226, RIGID, 0, NO, 0.5, 0.5,
41, 226, 183, RIGID, 0, NO, 0.5, 0.5,
42, 183, 140, RIGID, 0, NO, 0.5, 0.5,
43, 140, 97, RIGID, 0, NO, 0.5, 0.5,
44, 97, 52, RIGID, 0, NO, 0.5, 0.5,
45, 52, 9, RIGID, 0, NO, 0.5, 0.5,
46, 401, 358, RIGID, 0, NO, 0.5, 0.5,
47, 358, 313, RIGID, 0, NO, 0.5, 0.5,
48, 313, 270, RIGID, 0, NO, 0.5, 0.5,
49, 270, 227, RIGID, 0, NO, 0.5, 0.5,
50, 227, 184, RIGID, 0, NO, 0.5, 0.5,
51, 184, 141, RIGID, 0, NO, 0.5, 0.5,
52, 141, 98, RIGID, 0, NO, 0.5, 0.5,
53, 98, 53, RIGID, 0, NO, 0.5, 0.5,
54, 53, 10, RIGID, 0, NO, 0.5, 0.5,
55, 402, 359, RIGID, 0, NO, 0.5, 0.5,
56, 359, 314, RIGID, 0, NO, 0.5, 0.5,
57, 314, 271, RIGID, 0, NO, 0.5, 0.5,
58, 271, 228, RIGID, 0, NO, 0.5, 0.5,
59, 228, 185, RIGID, 0, NO, 0.5, 0.5,
60, 185, 142, RIGID, 0, NO, 0.5, 0.5,
61, 142, 99, RIGID, 0, NO, 0.5, 0.5,
62, 99, 54, RIGID, 0, NO, 0.5, 0.5,
63, 54, 11, RIGID, 0, NO, 0.5, 0.5,
64, 403, 360, RIGID, 0, NO, 0.5, 0.5,
65, 360, 315, RIGID, 0, NO, 0.5, 0.5,
66, 315, 272, RIGID, 0, NO, 0.5, 0.5,
67, 272, 229, RIGID, 0, NO, 0.5, 0.5,
68, 229, 186, RIGID, 0, NO, 0.5, 0.5,
69, 186, 143, RIGID, 0, NO, 0.5, 0.5,
70, 143, 100, RIGID, 0, NO, 0.5, 0.5,
71, 100, 55, RIGID, 0, NO, 0.5, 0.5,
72, 55, 12, RIGID, 0, NO, 0.5, 0.5,
73, 404, 361, RIGID, 0, NO, 0.5, 0.5,
74, 361, 316, RIGID, 0, NO, 0.5, 0.5,
75, 316, 273, RIGID, 0, NO, 0.5, 0.5,
76, 273, 230, RIGID, 0, NO, 0.5, 0.5,
77, 230, 187, RIGID, 0, NO, 0.5, 0.5,
78, 187, 144, RIGID, 0, NO, 0.5, 0.5,
79, 144, 101, RIGID, 0, NO, 0.5, 0.5,
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81, 56, 13, RIGID, 0, NO, 0.5, 0.5,
82, 405, 362, RIGID, 0, NO, 0.5, 0.5,
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86, 231, 188, RIGID, 0, NO, 0.5, 0.5,
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88, 145, 102, RIGID, 0, NO, 0.5, 0.5,
89, 102, 57, RIGID, 0, NO, 0.5, 0.5,
90, 57, 14, RIGID, 0, NO, 0.5, 0.5,
91, 406, 363, RIGID, 0, NO, 0.5, 0.5,
92, 363, 318, RIGID, 0, NO, 0.5, 0.5,
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133, 151, 108, RIGID, 0, NO, 0.5, 0.5,
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154, 414, 371, RIGID, 0, NO, 0.5, 0.5,
155, 371, 326, RIGID, 0, NO, 0.5, 0.5,
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168, 198, 155, RIGID, 0, NO, 0.5, 0.5,
169, 155, 112, RIGID, 0, NO, 0.5, 0.5,
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170.	112.	67, RIGID,	0, NO, 0.5, 0.5.
171.	67.	24, RIGID,	0, NO, 0.5, 0.5.
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196.	158.	115, RIGID,	0, NO, 0.5, 0.5.
197.	115.	70, RIGID,	0, NO, 0.5, 0.5.
198.	70.	27, RIGID,	0, NO, 0.5, 0.5.
199.	419.	376, RIGID,	0, NO, 0.5, 0.5.
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203.	245.	202, RIGID,	0, NO, 0.5, 0.5.
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205.	159.	116, RIGID,	0, NO, 0.5, 0.5.
206.	116.	71, RIGID,	0, NO, 0.5, 0.5.
207.	71.	28, RIGID,	0, NO, 0.5, 0.5.
208.	420.	377, RIGID,	0, NO, 0.5, 0.5.
209.	377.	332, RIGID,	0, NO, 0.5, 0.5.
210.	332.	289, RIGID,	0, NO, 0.5, 0.5.
211.	289.	246, RIGID,	0, NO, 0.5, 0.5.
212.	246.	203, RIGID,	0, NO, 0.5, 0.5.
213.	203.	160, RIGID,	0, NO, 0.5, 0.5.
214.	160.	117, RIGID,	0, NO, 0.5, 0.5.

260.	123.	78, RIGID,	0, NO, 0.5, 0.5.
261.	78.	35, RIGID,	0, NO, 0.5, 0.5.
262.	427.	384, RIGID,	0, NO, 0.5, 0.5.
263.	384.	339, RIGID,	0, NO, 0.5, 0.5.
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265.	296.	253, RIGID,	0, NO, 0.5, 0.5.
266.	253.	210, RIGID,	0, NO, 0.5, 0.5.
267.	210.	167, RIGID,	0, NO, 0.5, 0.5.
268.	167.	124, RIGID,	0, NO, 0.5, 0.5.
269.	124.	79, RIGID,	0, NO, 0.5, 0.5.
270.	79.	36, RIGID,	0, NO, 0.5, 0.5.
271.	428.	385, RIGID,	0, NO, 0.5, 0.5.
272.	385.	340, RIGID,	0, NO, 0.5, 0.5.
273.	340.	297, RIGID,	0, NO, 0.5, 0.5.
274.	297.	254, RIGID,	0, NO, 0.5, 0.5.
275.	254.	211, RIGID,	0, NO, 0.5, 0.5.
276.	211.	168, RIGID,	0, NO, 0.5, 0.5.
277.	168.	125, RIGID,	0, NO, 0.5, 0.5.
278.	125.	80, RIGID,	0, NO, 0.5, 0.5.
279.	80.	37, RIGID,	0, NO, 0.5, 0.5.
280.	429.	386, RIGID,	0, NO, 0.5, 0.5.
281.	386.	341, RIGID,	0, NO, 0.5, 0.5.
282.	341.	298, RIGID,	0, NO, 0.5, 0.5.
283.	298.	255, RIGID,	0, NO, 0.5, 0.5.
284.	255.	212, RIGID,	0, NO, 0.5, 0.5.
285.	212.	169, RIGID,	0, NO, 0.5, 0.5.
286.	169.	126, RIGID,	0, NO, 0.5, 0.5.
287.	126.	81, RIGID,	0, NO, 0.5, 0.5.
288.	81.	38, RIGID,	0, NO, 0.5, 0.5.
289.	430.	387, RIGID,	0, NO, 0.5, 0.5.
290.	387.	342, RIGID,	0, NO, 0.5, 0.5.
291.	342.	299, RIGID,	0, NO, 0.5, 0.5.
292.	299.	256, RIGID,	0, NO, 0.5, 0.5.
293.	256.	213, RIGID,	0, NO, 0.5, 0.5.
294.	213.	170, RIGID,	0, NO, 0.5, 0.5.
295.	170.	127, RIGID,	0, NO, 0.5, 0.5.
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297.	82.	39, RIGID,	0, NO, 0.5, 0.5.
298.	431.	388, RIGID,	0, NO, 0.5, 0.5.
299.	388.	343, RIGID,	0, NO, 0.5, 0.5.
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301.	300.	257, RIGID,	0, NO, 0.5, 0.5.
302.	257.	214, RIGID,	0, NO, 0.5, 0.5.
303.	214.	171, RIGID,	0, NO, 0.5, 0.5.
304.	171.	128, RIGID,	0, NO, 0.5, 0.5.

215.	117.	72, RIGID,	0, NO, 0.5, 0.5.
216.	72.	29, RIGID,	0, NO, 0.5, 0.5.
217.	421.	378, RIGID,	0, NO, 0.5, 0.5.
218.	378.	333, RIGID,	0, NO, 0.5, 0.5.
219.	333.	290, RIGID,	0, NO, 0.5, 0.5.
220.	290.	247, RIGID,	0, NO, 0.5, 0.5.
221.	247.	204, RIGID,	0, NO, 0.5, 0.5.
222.	204.	161, RIGID,	0, NO, 0.5, 0.5.
223.	161.	118, RIGID,	0, NO, 0.5, 0.5.
224.	118.	73, RIGID,	0, NO, 0.5, 0.5.
225.	73.	30, RIGID,	0, NO, 0.5, 0.5.
226.	422.	379, RIGID,	0, NO, 0.5, 0.5.
227.	379.	334, RIGID,	0, NO, 0.5, 0.5.
228.	334.	291, RIGID,	0, NO, 0.5, 0.5.
229.	291.	248, RIGID,	0, NO, 0.5, 0.5.
230.	248.	205, RIGID,	0, NO, 0.5, 0.5.
231.	205.	162, RIGID,	0, NO, 0.5, 0.5.
232.	162.	119, RIGID,	0, NO, 0.5, 0.5.
233.	119.	74, RIGID,	0, NO, 0.5, 0.5.
234.	74.	31, RIGID,	0, NO, 0.5, 0.5.
235.	423.	380, RIGID,	0, NO, 0.5, 0.5.
236.	380.	335, RIGID,	0, NO, 0.5, 0.5.
237.	335.	292, RIGID,	0, NO, 0.5, 0.5.
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239.	249.	206, RIGID,	0, NO, 0.5, 0.5.
240.	206.	163, RIGID,	0, NO, 0.5, 0.5.
241.	163.	120, RIGID,	0, NO, 0.5, 0.5.
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243.	75.	32, RIGID,	0, NO, 0.5, 0.5.
244.	425.	382, RIGID,	0, NO, 0.5, 0.5.
245.	382.	337, RIGID,	0, NO, 0.5, 0.5.
246.	337.	294, RIGID,	0, NO, 0.5, 0.5.
247.	294.	251, RIGID,	0, NO, 0.5, 0.5.
248.	251.	208, RIGID,	0, NO, 0.5, 0.5.
249.	208.	165, RIGID,	0, NO, 0.5, 0.5.
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251.	122.	77, RIGID,	0, NO, 0.5, 0.5.
252.	77.	34, RIGID,	0, NO, 0.5, 0.5.
253.	426.	383, RIGID,	0, NO, 0.5, 0.5.
254.	383.	338, RIGID,	0, NO, 0.5, 0.5.
255.	338.	295, RIGID,	0, NO, 0.5, 0.5.
256.	295.	252, RIGID,	0, NO, 0.5, 0.5.
257.	252.	209, RIGID,	0, NO, 0.5, 0.5.
258.	209.	166, RIGID,	0, NO, 0.5, 0.5.
259.	166.	123, RIGID,	0, NO, 0.5, 0.5.

305.	128.	83, RIGID,	0, NO, 0.5, 0.5.
306.	83.	40, RIGID,	0, NO, 0.5, 0.5.
307.	432.	389, RIGID,	0, NO, 0.5, 0.5.
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309.	344.	301, RIGID,	0, NO, 0.5, 0.5.
310.	301.	258, RIGID,	0, NO, 0.5, 0.5.
311.	258.	215, RIGID,	0, NO, 0.5, 0.5.
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313.	172.	129, RIGID,	0, NO, 0.5, 0.5.
314.	129.	84, RIGID,	0, NO, 0.5, 0.5.
315.	84.	41, RIGID,	0, NO, 0.5, 0.5.
316.	433.	390, RIGID,	0, NO, 0.5, 0.5.
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320.	259.	216, RIGID,	0, NO, 0.5, 0.5.
321.	216.	173, RIGID,	0, NO, 0.5, 0.5.
322.	173.	130, RIGID,	0, NO, 0.5, 0.5.
323.	130.	85, RIGID,	0, NO, 0.5, 0.5.
324.	85.	42, RIGID,	0, NO, 0.5, 0.5.
325.	434.	391, RIGID,	0, NO, 0.5, 0.5.
326.	391.	346, RIGID,	0, NO, 0.5, 0.5.
327.	346.	303, RIGID,	0, NO, 0.5, 0.5.
328.	303.	260, RIGID,	0, NO, 0.5, 0.5.
329.	260.	217, RIGID,	0, NO, 0.5, 0.5.
330.	217.	174, RIGID,	0, NO, 0.5, 0.5.
331.	174.	131, RIGID,	0, NO, 0.5, 0.5.
332.	131.	86, RIGID,	0, NO, 0.5, 0.5.
333.	86.	43, RIGID,	0, NO, 0.5, 0.5.
334.	435.	392, RIGID,	0, NO, 0.5, 0.5.
335.	392.	347, RIGID,	0, NO, 0.5, 0.5.
336.	347.	304, RIGID,	0, NO, 0.5, 0.5.
337.	304.	261, RIGID,	0, NO, 0.5, 0.5.
338.	261.	218, RIGID,	0, NO, 0.5, 0.5.
339.	218.	175, RIGID,	0, NO, 0.5, 0.5.
340.	175.	132, RIGID,	0, NO, 0.5, 0.5.
341.	132.	87, RIGID,	0, NO, 0.5, 0.5.
342.	87.	44, RIGID,	0, NO, 0.5, 0.5.
343.	436.	393, RIGID,	0, NO, 0.5, 0.5.
344.	393.	348, RIGID,	0, NO, 0.5, 0.5.
345.	348.	305, RIGID,	0, NO, 0.5, 0.5.
346.	305.	262, RIGID,	0, NO, 0.5, 0.5.
347.	262.	219, RIGID,	0, NO, 0.5, 0.5.
348.	219.	176, RIGID,	0, NO, 0.5, 0.5.
349.	176.	133, RIGID,	0, NO, 0.5, 0.5.

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*USE-STLD, 중공슬래브 자동
: *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,
: End of data for load case [중공슬래브 자동] -----
*USE-STLD, 기타고정하중
*BEAMLOAD      : Element Beam Loads
: ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
: ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
: [VALUE]       : D1, P1, D2, P2, D3, P3, D4, P4
: [ECCEN]       : bECCEN, ECCDIR, I-END, J-END, bj-END
: [ADDITIONAL]  : bADDITIONAL, ADDITIONAL_I-END, ADDITIONAL_J-END,
bADDITIONAL_J-END
816, LINE      , UNILoad, GZ, NO , NO, aDir[1], . . . 0, 19.266, 1, 19.266, 0, 0, 0, 0, , NO, 0,
0, NO,
817, LINE      , UNILoad, GZ, NO , NO, aDir[1], . . . 0, 19.266, 1, 19.266, 0, 0, 0, 0, , NO, 0,
0, NO,
818, LINE      , UNILoad, GZ, NO , NO, aDir[1], . . . 0, -14.334, 1, -14.334, 0, 0, 0, 0, , NO,
0, 0, NO,
819, LINE      , UNILoad, GZ, NO , NO, aDir[1], . . . 0, -14.334, 1, -14.334, 0, 0, 0, 0, , NO,
0, 0, NO,
820, LINE      , UNILoad, GZ, NO , NO, aDir[1], . . . 0, -10.171, 1, -10.171, 0, 0, 0, 0, , NO,
0, 0, NO,
821, LINE      , UNILoad, GZ, NO , NO, aDir[1], . . . 0, -10.171, 1, -10.171, 0, 0, 0, 0, , NO,
0, 0, NO,
822, LINE      , UNILoad, GZ, NO , NO, aDir[1], . . . 0, -10.198, 1, -10.198, 0, 0, 0, 0, , NO,
0, 0, NO,

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[illegible][illegible]

[illegible][illegible]

[illegible][illegible]

[illegible]

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0, 0, NO,
1228, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -38.828, 1, -38.828, 0, 0, 0, 0, , NO,
0, 0, NO,
1229, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -38.828, 1, -38.828, 0, 0, 0, 0, , NO,
0, 0, NO,
1230, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -38.828, 1, -38.828, 0, 0, 0, 0, , NO,
0, 0, NO,
1231, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -38.828, 1, -38.828, 0, 0, 0, 0, , NO,
0, 0, NO,
1232, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -38.828, 1, -38.828, 0, 0, 0, 0, , NO,
0, 0, NO,
1233, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -38.828, 1, -38.828, 0, 0, 0, 0, , NO,
0, 0, NO,
1234, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -38.828, 1, -38.828, 0, 0, 0, 0, , NO,
0, 0, NO,
1235, LINE , UNILoad, GZ, NO , NO, aDir[1], , , , 0, -38.828, 1, -38.828, 0, 0, 0, 0, , NO,
0, 0, NO,
: End of data for load case [기타고정하중] -----
*USE-STLD, 풍하중
*BEAMLOAD : Element Beam Loads
: ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
: ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
[VALUE] : D1, P1, D2, P2, D3, P3, D4, P4
: [ECCEN] : bECCEN, ECCDIR, I-END, J-END, bJ-END
: [ADDITIONAL] : bADDITIONAL, ADDITIONAL_I-END, ADDITIONAL_J-END,
bADDITIONAL_J-END
1152, LINE , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -163.66, 1, -163.66, 0, 0, 0, 0, ,
NO, 0, 0, NO,
1152, LINE , UNILoad, GY, NO , NO, aDir[1], , , , 0, -31.2, 1, -31.2, 0, 0, 0, 0, , NO, 0, 0,
NO,
1153, LINE , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -163.66, 1, -163.66, 0, 0, 0, 0, ,
NO, 0, 0, NO,
1153, LINE , UNILoad, GY, NO , NO, aDir[1], , , , 0, -31.2, 1, -31.2, 0, 0, 0, 0, , NO, 0, 0,
NO,
1154, LINE , UNILoad, GY, NO , NO, aDir[1], , , , 0, -31.2, 1, -31.2, 0, 0, 0, 0, , NO, 0, 0,
NO,
1154, LINE , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -163.66, 1, -163.66, 0, 0, 0, 0, ,
NO, 0, 0, NO,
1155, LINE , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -163.66, 1, -163.66, 0, 0, 0, 0, ,
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1155, LINE , UNILoad, GY, NO , NO, aDir[1], , , , 0, -31.2, 1, -31.2, 0, 0, 0, 0, , NO, 0, 0,
NO,
1156, LINE , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -163.66, 1, -163.66, 0, 0, 0, 0, ,
NO, 0, 0, NO,
1156, LINE , UNILoad, GY, NO , NO, aDir[1], , , , 0, -31.2, 1, -31.2, 0, 0, 0, 0, , NO, 0, 0,

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[illegible]

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1202, LINE      , UNIMOMENT, GX, NO , NO, aDir[1], , , 0, -163.66, 1, -163.66, 0, 0, 0, 0, ,
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1203, LINE      , UNIMOMENT, GX, NO , NO, aDir[1], , , 0, -163.66, 1, -163.66, 0, 0, 0, 0, ,
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1203, LINE      , UNILoad, GY, NO , NO, aDir[1], , , 0, -31.2, 1, -31.2, 0, 0, 0, 0, , NO, 0, 0,
NO,
1204, LINE      , UNIMOMENT, GX, NO , NO, aDir[1], , , 0, -163.66, 1, -163.66, 0, 0, 0, 0, ,
NO, 0, 0, NO,
1204, LINE      , UNILoad, GY, NO , NO, aDir[1], , , 0, -31.2, 1, -31.2, 0, 0, 0, 0, , NO, 0, 0,
NO,
1205, LINE      , UNILoad, GY, NO , NO, aDir[1], , , 0, -31.2, 1, -31.2, 0, 0, 0, 0, , NO, 0, 0,
NO,
1205, LINE      , UNIMOMENT, GX, NO , NO, aDir[1], , , 0, -163.66, 1, -163.66, 0, 0, 0, 0, ,
NO, 0, 0, NO,
: End of data for load case [풍하중] -----
*USE-STLD, 온도+
*ELTEMPER      : Element Temperatures
: ELEM_LIST, TEMPER, GROUP
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: End of data for load case [온도+] -----
*USE-STLD, 온도-
*ELTEMPER : Element Temperatures
: ELEM_LIST, TEMPER, GROUP
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: End of data for load case [온도-] -----
*USE-STLD. 시제동하중
*BEAMLOAD : Element Beam Loads
: ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
: ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
: [VALUE] : D1, P1, D2, P2, D3, P3, D4, P4
: [ECCEN] : bECCEN, ECCDIR, I-END, J-END, bJ-END
: [ADDITIONAL] : bADDITIONAL, ADDITIONAL_I-END, ADDITIONAL_J-END,
bADDITIONAL_J-END
818, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
0, , NO, 0, 0, NO,
819, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
0, , NO, 0, 0, NO,
828, LINE , UNILOAD, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
829, LINE , UNILOAD, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
836, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
0, , NO, 0, 0, NO,
837, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
0, , NO, 0, 0, NO,
838, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
0, , NO, 0, 0, NO,
839, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
0, , NO, 0, 0, NO,
856, LINE , UNILOAD, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
857, LINE , UNILOAD, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
858, LINE , UNILOAD, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
859, LINE , UNILOAD, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
868, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
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869, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
0, , NO, 0, 0, NO,
870, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,

0, , NO, 0, 0, NO,
871, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
0, , NO, 0, 0, NO,
888, LINE , UNILOAD, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
889, LINE , UNILOAD, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
890, LINE , UNILOAD, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
891, LINE , UNILOAD, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
898, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
0, , NO, 0, 0, NO,
899, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
0, , NO, 0, 0, NO,
908, LINE , UNILOAD, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
909, LINE , UNILOAD, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
922, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
0, , NO, 0, 0, NO,
923, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
0, , NO, 0, 0, NO,
924, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
0, , NO, 0, 0, NO,
925, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
0, , NO, 0, 0, NO,
926, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
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927, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
0, , NO, 0, 0, NO,
928, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
0, , NO, 0, 0, NO,
929, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
0, , NO, 0, 0, NO,
930, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
0, , NO, 0, 0, NO,
931, LINE , UNILOAD, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0,
0, , NO, 0, 0, NO,
972, LINE , UNILOAD, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
973, LINE , UNILOAD, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
974, LINE , UNILOAD, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,

975. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
976. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
977. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
978. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
979. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
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980. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
981. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
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0, , NO, 0, 0, NO,
1005. LINE , UNILoad, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
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1006. LINE , UNILoad, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
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1007. LINE , UNILoad, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
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1008. LINE , UNILoad, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
0, , NO, 0, 0, NO,
1009. LINE , UNILoad, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
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1010. LINE , UNILoad, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
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1011. LINE , UNILoad, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
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1052. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
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1053. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
1054. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
1055. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
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1056. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
1057. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,

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1058. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
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1059. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
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1061. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
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1082. LINE , UNILoad, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
0, , NO, 0, 0, NO,
1083. LINE , UNILoad, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
0, , NO, 0, 0, NO,
1084. LINE , UNILoad, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
0, , NO, 0, 0, NO,
1085. LINE , UNILoad, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
0, , NO, 0, 0, NO,
1086. LINE , UNILoad, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
0, , NO, 0, 0, NO,
1087. LINE , UNILoad, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
0, , NO, 0, 0, NO,
1088. LINE , UNILoad, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
0, , NO, 0, 0, NO,
1089. LINE , UNILoad, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
0, , NO, 0, 0, NO,
1090. LINE , UNILoad, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
0, , NO, 0, 0, NO,
1091. LINE , UNILoad, GX, NO , YES, 1, LY, -0.25, -0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
0, , NO, 0, 0, NO,
1132. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
1133. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
1134. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
1135. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
1136. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
1137. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
1138. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
1139. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,

1140. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
1141. LINE , UNILoad, GX, NO , YES, 1, LY, 0.25, 0.25, NO, 0, 19.98, 1, 19.98, 0, 0, 0, 0,
NO, 0, 0, NO,
: End of data for load case [시제동하중] -----
*MVLDCODE : Moving Load Code
: CODE=CODE
CODE=KOREA
*LINELANE : Traffic Line Lanes
: NAME=NAME, LDIST, GROUP, SKEWS, SKEWE, MOVING, LW, WS, bLANEOPT, ALLOWWIDTH
: line 1
: iELEM1, ECC1, FACT1, bSPAN1, ECCVL... : from line 2
NAME=내선순환, LANE, , 0, 0, BOTH, 3, 1.435, NO, 0
828, -0.25, 0.2612, YES, 0, 829, -0.25, 0.2612, NO, 0
972, -0.25, 0.2612, NO, 0, 973, -0.25, 0.2612, NO, 0
974, -0.25, 0.2612, NO, 0, 975, -0.25, 0.2612, NO, 0
976, -0.25, 0.2612, NO, 0, 977, -0.25, 0.2612, NO, 0
978, -0.25, 0.2612, NO, 0, 979, -0.25, 0.2612, NO, 0
980, -0.25, 0.2612, NO, 0, 981, -0.25, 0.2612, NO, 0
856, -0.25, 0.2612, NO, 0, 857, -0.25, 0.2612, NO, 0
858, -0.25, 0.2612, NO, 0, 859, -0.25, 0.2612, NO, 0
1052, -0.25, 0.2612, NO, 0, 1053, -0.25, 0.2612, NO, 0
1054, -0.25, 0.2612, NO, 0, 1055, -0.25, 0.2612, NO, 0
1056, -0.25, 0.2612, NO, 0, 1057, -0.25, 0.2612, NO, 0
1058, -0.25, 0.2612, NO, 0, 1059, -0.25, 0.2612, NO, 0
1060, -0.25, 0.2612, NO, 0, 1061, -0.25, 0.2612, NO, 0
888, -0.25, 0.2612, NO, 0, 889, -0.25, 0.2612, NO, 0
890, -0.25, 0.2612, NO, 0, 891, -0.25, 0.2612, NO, 0
1132, -0.25, 0.2612, NO, 0, 1133, -0.25, 0.2612, NO, 0
1134, -0.25, 0.2612, NO, 0, 1135, -0.25, 0.2612, NO, 0
1136, -0.25, 0.2612, NO, 0, 1137, -0.25, 0.2612, NO, 0
1138, -0.25, 0.2612, NO, 0, 1139, -0.25, 0.2612, NO, 0
1140, -0.25, 0.2612, NO, 0, 1141, -0.25, 0.2612, NO, 0
908, -0.25, 0.2612, NO, 0, 909, -0.25, 0.2612, NO, 0
NAME=외선순환, LANE, , 0, 0, BOTH, 3, 1.435, NO, 0
899, -0.25, 0.2612, YES, 0, 898, -0.25, 0.2612, NO, 0
1091, -0.25, 0.2612, NO, 0, 1090, -0.25, 0.2612, NO, 0
1089, -0.25, 0.2612, NO, 0, 1088, -0.25, 0.2612, NO, 0
1087, -0.25, 0.2612, NO, 0, 1086, -0.25, 0.2612, NO, 0
1085, -0.25, 0.2612, NO, 0, 1084, -0.25, 0.2612, NO, 0
1083, -0.25, 0.2612, NO, 0, 1082, -0.25, 0.2612, NO, 0
871, -0.25, 0.2612, NO, 0, 870, -0.25, 0.2612, NO, 0
869, -0.25, 0.2612, NO, 0, 868, -0.25, 0.2612, NO, 0
1011, -0.25, 0.2612, NO, 0, 1010, -0.25, 0.2612, NO, 0
1009, -0.25, 0.2612, NO, 0, 1008, -0.25, 0.2612, NO, 0

1007, -0.25, 0.2612, NO, 0, 1006, -0.25, 0.2612, NO, 0
1005, -0.25, 0.2612, NO, 0, 1004, -0.25, 0.2612, NO, 0
1003, -0.25, 0.2612, NO, 0, 1002, -0.25, 0.2612, NO, 0
839, -0.25, 0.2612, NO, 0, 838, -0.25, 0.2612, NO, 0
837, -0.25, 0.2612, NO, 0, 836, -0.25, 0.2612, NO, 0
931, -0.25, 0.2612, NO, 0, 930, -0.25, 0.2612, NO, 0
929, -0.25, 0.2612, NO, 0, 928, -0.25, 0.2612, NO, 0
927, -0.25, 0.2612, NO, 0, 926, -0.25, 0.2612, NO, 0
925, -0.25, 0.2612, NO, 0, 924, -0.25, 0.2612, NO, 0
923, -0.25, 0.2612, NO, 0, 922, -0.25, 0.2612, NO, 0
819, -0.25, 0.2612, NO, 0, 818, -0.25, 0.2612, NO, 0
*LSUPPORT : Lane Supports - Negative Moments at Interior Piers
: iTYPE, ELEM_LIST, POSITION : (When iTYPE=0)
: iTYPE, GRUP-NAME : (When iTYPE=1)
0, 838 858 870 890, END-I
0, 837 857 869 889, END-J
*VEHICLE : Vehicles
: if Moving Load Code is China
: NAME=NAME, 1, TYPE-NAME, CODE :
standard
: NAME=NAME, 2, LTYPE, [TRUCK/LANE] or [TRAIN/SUBWAY] or [CROWD]
: user: line 1
: LOAD1, DIST1, LOAD2, DIST2, ... : user:
from line 2
: [TRUCK/LANE] : 1, P, Qm, Qq :
truck(JTG)
: [TRUCK/LANE] : 2, P, Qm, Qq : lane
load1
: [TRUCK/LANE] : 3, Qk, Pk1, L1, Pk2, L2 : lane
load2
: [TRUCK/LANE] : 4, dW, dD :
crawler type
: [TRUCK/LANE] : 5 : GC
type load
: [TRAIN/SUBWAY] : iTYPE, W1, D1, W2, D2 :
train-type1,3
: [TRAIN/SUBWAY] : iTYPE, DD, FD, BD, MAINCOUNT :
train-type2
: [TRAIN/SUBWAY] : 4, P1, D1, P2, D2, P3, D3, P4, dD, Po, n, IFR :
subway
: [CROWD] : 1, dW1 :
crowd-type1
: [CROWD] : 2, dW1, dL1, dW2, dL2, WIDTH :
crowd-type2
: if Moving Load Type is India

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: NAME=NAME, 1, TYPE-NAME, CODE
standard
: NAME=NAME, 2, bWTB, P, D, Pb, Db, dD1, dD2, NDIST
user: line 1
: NAME=NAME, 2, bWTB, dD1, dD2, NDIST
user: line 1
: LOAD1, DIST1, LOAD2, DIST2, ...
from line 2
: if Moving Load Code is CANADA
: NAME=NAME, 1, TYPE-NAME, DLA, CODE, [DYNA]
standard
: NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2), PLV(D2), NDIST, [DYNA]
user: line 1
: LOAD1, DIST1, LOAD2, DIST2, ...
from line 2
: [DYNA] : nDYNA, FACT1AXLE, FACT2AXLE, FACT3AXLE
Dynamic Load Allowance
: if Moving Load Code is BS
: NAME=NAME, 1, TYPE-NAME, CODE, UNITNUM
standard
: NAME=nLane, FACTOR1, FACTOR2, FACTOR3, FACTOR4, ADDDATA, AL, CA, LL
: HA, HA & HB, HA & HB(Auto)
: NAME=NAME, 2, iSTYPE, W1, W2, W3, L, Pa, Pb, D1, D2, d, UNITNUM
user(BS 5400)
: NAME=NAME, 2, iSTYPE, [BD37/01-HA], [BS-DATA-LF]
user(HA)
: NAME=NAME, 2, iSTYPE, [BS-DATA-HB]
user(HB)
: NAME=NAME, 2, iSTYPE, [BD37/01-HA2], [BS-DATA-HB2], [BS-DATA-LF]
user(HA&HB)
: NAME=NAME, 2, iSTYPE, [BD37/01-HA], [BD37/01-HB], [BS-DATA-LF]
user(HA&HB(AUTO))
: NAME=NAME, 2, iSTYPE, W, L
user(Pedestrian)
: NAME=NAME, 2, iSTYPE, V, AN, MINS, MAXS, P1, D1, P2, D2, ...
user(Special Vehicle)
: [BS-DATA-HA] : W1, W2, W3, EXP, EXP2, L1, L2, Pa
: [BS-DATA-HA2] : W1, W2, W3, EXP, EXP2, L1, L2
: [BS-DATA-HB] : Pb, D1, D2, d, UNITNUM
: [BS-DATA-HB2] : Pb, D1, D2, d, dd, UNITNUM
: [BS-DATA-LF] : nLT, LF1, LF2, LF3, LF4
: if Moving Load Code is EUROCODE
: NAME=NAME, 1, iTYPE, TYPE-NAME, PSY1, PSY2, PHI, [AF7]
standard (LM1, FLM1)
: NAME=NAME, 1, iTYPE, TYPE-NAME, bDF, bU, PHI, PSY, ADJ, IN

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standard (others)
: NAME=NAME, 2, 1, [AF7]
user(Type 1)
: [LOAD7], D, PHI, TPSY, UPSY
user(Type 1): line 2
: NAME=NAME, 2, 2, ALP, TPSY, W, BET, LPSY, P1, D1, P2, D2, ...
user(Type 2)
: NAME=NAME, 2, 3
user(Type 3)
: [LOADCASE1]
user(Type 3): line 2
: [LOADCASE2]
user(Type 3): line 3
: [LOADCASE3]
user(Type 3): line 4
: NAME=NAME, 2, 4, WS, V, AN, MINS, MAXS, DYF, UI, F, P1, D1, P2, D2, ...
user(Type 4)
: NAME=NAME, 2, 5, INT, bPHI1, PHI1, bPHI2, PHI2
user(Type 5)
: [VEHICLE1]
user(Type 5): line 2
: [VEHICLE2]
user(Type 5): line 3
: [VEHICLE3]
user(Type 5): line 4
: [AF7] : TF1, TF2, TF3, UF1, UF2, UF3, UF4
adjustment factor
: [LOAD7] : TL1, TL2, TL3, UL1, UL2, UL3, UL4
tandem/udl loads
: [LOADCASE] : bUSE, N, bDF, bUI, PHI, P1, L1, P2, L2, ...
: load
case
: [VEHICLE] : bUSE, N, P1, L1, P2, L2, ...
: vehicle
: if Moving Load Code is RUSSIA
: NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC
: standard (SK)
: NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC
: standard (SK FATIGUE)
: NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, dDYNAFAC_UDL
: bFATI, nLOADFAC, dLOADFAC, dLOADFAC_UDL, sI[3], s1_UDL[3]
standard (AK)
: NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC,
: bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT
: standard (N14)

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: NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC,
: bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT
: standard (N11)
: NAME=NAME, 1, iTYPE, nDYNAFAC, dDYNAFAC, dEMPTYCAR
: bFATI, nLOADFAC, dLOADFAC,
standard (SUBWAY TRAINS)
: NAME=NAME, 1, iTYPE, VARIABLE, nDYNAFAC, dDYNAFAC, dEMPTYCAR
: bFATI, nLOADFAC, dLOADFAC,
standard (TRAMCARS)
: NAME=NAME, 1, iTYPE, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC
: standard (NK-80)
: NAME=NAME, 1, iTYPE, W, D, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC
: standard (NG-60)
: NAME=NAME, 1, iTYPE, BRIDGETYPE, W, bFATI, nLOADFAC, dLOADFAC
: standard (UNIFORM LOAD)
: NAME=NAME, 1, iTYPE, BRIDGETYPE, W, bFATI, nLOADFAC, dLOADFAC
: standard (UNIFORM LOAD(W/O OTHER LOADS))
: NAME=NAME, 1, iTYPE, BRIDGETYPE, P
standard (CONCENTRATED LOAD (W/O OTHER LOADS))
: NAME=NAME, 2, iTYPE, W, nDYNAFAC, dDYNAFAC, dDYNAFAC_UDL
: bFATI, nLOADFAC, dLOADFAC, dLOADFAC_UDL, sI[3], s1_UDL[3]
user (Type 1)
: NAME=NAME, 2, iTYPE, nDYNAFAC, dDYNAFAC, dEMPTYCAR
: bFATI, nLOADFAC, dLOADFAC,
user (Type 2)
: NAME=NAME, 2, iTYPE, Variable, nDYNAFAC, dDYNAFAC, dEMPTYCAR
: bFATI, nLOADFAC, dLOADFAC,
user (Type 3)
: NAME=NAME, 2, iTYPE, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC
: bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT
: user (Type 4)
: NAME=NAME, 2, iTYPE, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC
: bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT
: user (Type 5)
: NAME=NAME, 2, iTYPE, W, D, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC
: user (Type 6)
: NAME=NAME, 2, iTYPE, P, W, bFATI, nLOADFAC, dLOADFAC
: user (Type 7)

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: if Moving Load Code is KSCE-LS15
: NAME=NAME, 1, TYPE-NAME, nLANETYPE, dDYNAFAC, CODE, nLANELOAD, L,
CONVERTDIST
: standard
: NAME=NAME, 2, 8, L1, W1, W2, EXP, dDYNAFAC, nLANELOAD, L, CONVERTDIST
: user: line 1 (Type 1)
: NAME=NAME, 2, 1, W1, W2, D1, D2, 0, 0, 0, NO
user: line 1 (Type 2)
: NAME=NAME, 2, 6, LOADNUM, DIST, W, L, 0, 0, 0, NO
user: line 1 (Type 3)
: LOAD1, DIST1, (DIST2_1), LOAD2, DIST2, (DIST2_2), ...
from line 2
: if Moving Load Code is South Africa
: NAME=NAME, 1, TYPE-NAME, CODE, bINCREL, dINCREL
standard NA
: NAME=NAME, 1, TYPE-NAME, CODE, UNITNUM
standard NB
: NAME=NAME, 1, TYPE-NAME, CODE, OPPOSITE
standard NC
: NAME=NAME, 2, TYPE, W1, L, W2, W3, PA, bINCREL, dINCREL
user NA
: NAME=NAME, 2, TYPE, PB, UNITNUM, DELTA, D1, D2
user NB
: NAME=NAME, 2, TYPE, P, OPPOSITE, NUM1, NUM2, NUM3 [DIST1], [DIST2], [DIST3]
user NC
: if Load Type is Permit Truck
: NAME=NAME, 3, AXLE-TYPE-NUM, IMP-FACTOR
user(Permit Truck)
: AXLE-TYPE-NAME1, bEDWL1, bSV1, P1, D1, P2, D2, ..., Pn, Dn
user(from line 2)
: ...
: AXLE-TYPE-NAMEn, bEDWLn, bSVn, P1, D1, P2, D2, ..., Pn, Dn
: AXLE-TYPE1, SPACING1, bVS1, AXLE-TYPE2, SPACING2, bVS2 ...
line 2+AXLE-TYPE-NUM
: if Moving Load Code is not one of those specified above.
: NAME=NAME, 1, TYPE-NAME, DLA, CODE
standard
: NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2), PLV(D2), NDIST
user: line 1
: LOAD1, DIST1, LOAD2, DIST2, ...
from line 2
NAME=EL-18, 1, EL-18, 0, KS-TR
+MVLDCASE : Moving Load Cases
: NAME=NAME, nLCTYPE, SCALE1, SCALE2, SCALE3, SCALE4, SCALE5, SCALE6, COMB, DESC,
LCOM, SERIAL : 1st line
: nLTYPE, 2LFACTOR1, 2LFACTOR2, 3LFACTOR1, 3LFACTOR2, 3LFACTOR3, 3LFACTOR4

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: 2st line
: TYPE1, VCLASS1, SCALE1, iMIN1, iMAX1, LANE11, LANE12, ...
: 3nd line
: ...
...
: TYPEEn, VCLASSn, SCALEn, iMINn, iMAXn, LANEn1, LANEn2, ...
: n+1th line
: NAME=NAME, nLCTYPE, VEHICLE, REFLANE, ECCEN, SCALE, DESC
: Permit
: NAME=NAME, nLCTYPE, DESC, bOPTIM, SUBLANEW, MINSPACING, MARGIN, LANE, MINNUM,
MAXNUM, SERIAL : Traffic Lane Optimization
: TYPE1, VCLASS1, SCALE1...
: Traffic Lane Optimization 1st line
: ...
Traffic Lane Optimization ...
: TYPEEn, VCLASSn, SCALEn...
: Traffic Lane Optimization n+1th line
NAME=MV, 0, 1, 1, 0.9, 0.75, 0.75, 0.75, INDEPENDENT, , 0, 1
1, 1, 1, 1, 1, 0.5, 0.25
VL, EL-18, 1, 1, 2, 내선순환, 외선순환
*LOADCOMB : Combinations
: NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE : line 1
: ANAL1, LCNAME1, FACT1, ... : from line 2
NAME=LCB1, GEN, ACTIVE, 0, 0, , 0, 0
ST, 중공슬래브 자중, 1.35, ST, 기타고정하중, 1.35, MV, MV, 1.85
NAME=LCB2, GEN, ACTIVE, 0, 0, , 0, 0
ST, 중공슬래브 자중, 1.6, ST, 기타고정하중, 1.6, MV, MV, 1.6
NAME=LCB3, GEN, ACTIVE, 0, 0, , 0, 0
ST, 중공슬래브 자중, 1.35, ST, 기타고정하중, 1.35, ST, 풍하중, 1.35
ST, 온도+, 1.35, MV, MV, 1.4, ST, 시제동하중, 1.4
NAME=LCB4, GEN, ACTIVE, 0, 0, , 0, 0
ST, 중공슬래브 자중, 1.35, ST, 기타고정하중, 1.35, ST, 풍하중, 1.35
ST, 온도-, 1.35, ST, 시제동하중, 1.4, MV, MV, 1.4
NAME=극한하중, GEN, ACTIVE, 0, 1, , 0, 0
CB, LCB1, 1, CB, LCB2, 1, CB, LCB3, 1, CB, LCB4, 1
NAME=LCB1(U), GEN, ACTIVE, 0, 0, , 0, 0
ST, 중공슬래브 자중, 1, ST, 기타고정하중, 1, MV, MV, 1
NAME=LCB2(U), GEN, ACTIVE, 0, 0, , 0, 0
ST, 중공슬래브 자중, 1, ST, 기타고정하중, 1, ST, 풍하중, 1
ST, 온도+, 1, ST, 시제동하중, 1, MV, MV, 1
NAME=LCB3(U), GEN, ACTIVE, 0, 0, , 0, 0
ST, 중공슬래브 자중, 1, ST, 기타고정하중, 1, ST, 풍하중, 1
ST, 온도-, 1, ST, 시제동하중, 1, MV, MV, 1
NAME=사용하중, GEN, ACTIVE, 0, 1, , 0, 0
CB, LCB1(U), 1, CB, LCB2(U), 1, CB, LCB3(U), 1

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*LC-COLOR : Diagram Color for Load Case
: ANAL, LCNAME, iR1(ALL), iG1(ALL), iB1(ALL), iR2(MIN), iG2(MIN), iB2(MIN), iR3(MAX),
iG2(MAX), iB2(MAX)
ST, 중공슬래브 자중, 148, 87, 255, 146, 0, 255, 128, 192, 0
ST, 기타고정하중, 255, 0, 128, 192, 128, 0, 0, 128, 128
ST, 풍하중, 255, 255, 87, 255, 160, 255, 93, 255, 87
MV, MV, 255, 0, 128, 0, 192, 192, 255, 0, 128
CB, LCB2(U), 0, 128, 192, 255, 128, 0, 160, 255, 255
ST, 온도+, 255, 87, 87, 160, 192, 255, 192, 192, 0
ST, 온도-, 192, 72, 0, 255, 192, 87, 255, 128, 0
ST, 시제동하중, 148, 87, 255, 210, 210, 210, 160, 255, 255
CB, LCB1, 192, 192, 192, 148, 87, 255, 255, 255, 255
CB, LCB2, 0, 192, 128, 0, 192, 192, 192, 72, 0
CB, LCB3, 210, 210, 210, 146, 0, 255, 0, 128, 192
CB, LCB4, 0, 157, 192, 255, 87, 128, 255, 192, 87
CB, 극한하중, 210, 210, 210, 192, 128, 0, 0, 128, 192
CB, LCB1(U), 192, 0, 192, 160, 192, 255, 0, 128, 128
CB, LCB3(U), 192, 72, 0, 0, 128, 255, 93, 255, 87
CB, 사용하중, 146, 0, 255, 255, 192, 87, 146, 0, 255
*DGN-MATL : Modify Steel(Concrete) Material
: iMAT, TYPE, MNAME, [DATA1] : STEEL
: iMAT, TYPE, MNAME, [DATA2], [R-DATA], FCI, bSERV, SHORT, LONG : CONC
: iMAT, TYPE, MNAME, [DATA3], [DATA2], [R-DATA] : SRC
: iMAT, TYPE, MNAME, [DATA5] : STEEL(None) &
KSCE-ASD05
: [DATA1] : 1, DB, CODE, NAME or 2, ELAST, POISN, FU, FY1, FY2, FY3, FY4
: FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3
: [DATA2] : 1, DB, CODE, NAME or 2, FC, CHK, LAMBDA
: [DATA3] : 1, DB, CODE, NAME or 2, ELAST, FU, FY1, FY2, FY3, FY4
: FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3
: [DATA4] : 1, DB, CODE, NAME or 2, FC
: [DATA5] : 3, ELAST, POISN, AL1, AL2, AL3, AL4, AL5, AL6, AL7, AL8, AL9, AL10
: MIN1, MIN2, MIN3
: [R-DATA]: RBCODE, RBMAIN, RBSUB, FY(R), FYS
1, CONC, C24, 1, KS01-Civil(RC), C24, NO, 1, , , , 0,
0, 16800, NO, 0, 0, , , , 0, NO, 1, , , , 0, 0, 0
*SECTION MANAGER-GROUP & PART : Section Manager - Group & Part
: SECT = NO, bSAME] : line 1
: GRPDISIZE, GRPDJSIZE, PARTJSIZE : line 2
: ..... :
: LOOP UTIL (GRPDISIZE, GRPDJSIZE) :
: GROUPID, GROUPNAME, GROUPTYPE : line n
: ..... :
: LOOP UTIL (PARTISIZE, PARTJSIZE) :
: PARTTYPE, GROUPID, PARTNAME, PARTSHAPE, bSTIFFENER :

```

```

line n
: LINESIZE, LINEINDEX[i]..... : line n
: ..... :
SECT=1, YES
0, 0, 0, 0
SECT=2, YES
0, 0, 0, 0
SECT=5, YES
0, 0, 0, 0
SECT=6, YES
0, 0, 0, 0
SECT=7, YES
0, 0, 0, 0
SECT=8, YES
0, 0, 0, 0
*SECTION MANAGER-STIFFENER : Section Manager - Stiffener
: SECT = NO, bSAME] : line 1
: STFNISIZE, STFNJSIZE : line 2
: ..... :
: LOOP UTIL (STFNISIZE, STFNJSIZE) :
: TYPE, Z, STANDREF, POSLINE, STANDREFL, NUM, CTC : line
n
: STIFFTYPE, dSIZE(0 ~ 20) : line n
: LINESIZE, LINEINDEX[i]..... : line n
: ..... :
SECT=1, YES
0, 0
SECT=2, YES
0, 0
SECT=5, YES
0, 0
SECT=6, YES
0, 0
SECT=7, YES
0, 0
SECT=8, YES
0, 0
*ENDDATA

```