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Job:: CN-009_FINAL_LOAD CASES
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LISTING OF STATIC LOAD CASES FOR THIS ANALYSIS

1 (HGR) CASE NOT ACTIVE
2 (HGR) CASE NOT ACTIVE
3 (OPE) W+D1+T1+P1+H
4 (OPE) W+D1+T2+P1+H
5 (OPE) W+D1+T3+P1+H
6 (OPE) W+D1+T4+P1+H
7 (OPE) W+D1+D2+T2+P1+H
8 (OPE) W+D1+T2+P2+H+WIN1
9 (OPE) W+D1+T2+P2+H+WIN2
10 (OPE) W+D1+T2+P2+H+WIN3
11 (OPE) W+D1+T2+P2+H+WIN4
12 (OPE) W+D1+T2+P1+H+F1
13 (SUS) W+P1+H
14 (SUS) W+P2+H
15 (SUS) WNC+H
16 (OCC) L16=L8-L4
17 (OCC) L17=L9-L4
18 (OCC) L18=L10-L4
19 (OCC) L19=L11-L4
20 (OCC) L20=L12-L4
21 (OCC) L21=L13+L16
22 (OCC) L22=L13+L17
23 (OCC) L23=L13+L18
24 (OCC) L24=L13+L19
25 (OCC) L25=L13+L20
26 (EXP) L26=L3-L13
27 (EXP) L27=L4-L14
28 (EXP) L28=L5-L14
29 (EXP) L29=L6-L14
30 (EXP) L30=L7-L14
31 (EXP) L31=L26-L28

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RESTRAINT SUMMARY EXTENDED REPORT: Loads On Restraints
Various Load Cases

LOAD CASE DEFINITION KEY

CASE 3 (OPE) W+D1+T1+P1+H
 CASE 4 (OPE) W+D1+T2+P1+H
 CASE 5 (OPE) W+D1+T3+P1+H
 CASE 6 (OPE) W+D1+T4+P1+H
 CASE 13 (SUS) W+P1+H
 CASE 14 (SUS) W+P2+H
 CASE 15 (SUS) WNC+H

Filters Used:

Node Number >= 7215 and <= 7215
 Show All Restraints

Node	Load Case	FX Kg	FY Kg	FZ Kg	MX Kg-m	MY Kg-m	MZ Kg-m	DX mm.	DY mm.	DZ mm.
7215		Flex +Y; Rigid X; Prog Design VSH								
	3(OPE)	723	-2268	192	0.0	0.0	0.0	0.000	33.782	63.621
	4(OPE)	619	-2320	165	0.0	0.0	0.0	0.000	30.001	57.289
	5(OPE)	-124	-2742	-36	0.0	0.0	0.0	-0.000	-3.454	-14.743
	6(OPE)	-22	-2719	-6	0.0	0.0	0.0	-0.000	-1.768	-8.810
	13(SUS)	-4	-2690	-0	0.0	0.0	0.0	-0.000	0.858	-0.005
	14(SUS)	-4	-2690	-0	0.0	0.0	0.0	-0.000	0.858	-0.005
	15(SUS)	-4	-2690	-0	0.0	0.0	0.0	-0.000	0.866	-0.005
	MAX	723/L3	-2742/L5	192/L3				0.000/L3	33.782/L3	63.621/L3

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HANGER REPORT
 (TABLE DATA FROM DESIGN RUNS)

NO.	FIG.		VERTICAL	HOT	THEORETICAL	ACTUAL		
NODE	REQD	NO.	SIZE	MOVEMENT	LOAD	INSTALLED	INSTALLED	SPRING
						LOAD	LOAD	RATE
								HORIZONTAL
								MOVEMENT

-----+---+-----+---+---(mm.)--+(Kg)-+---(Kg)---+---(Kg)--(N./mm.)--(mm.)-

7215 1 V3 22 35.295 2354. 2700. 0. 96.0 63.771
 PIPE SUPPORTS LOAD VARIATION = 13%

** VARIABLE SUPPORT SPRING DESIGNED LONG RANGE
 MINIMUM ALLOWED SINGLE SPRING LOAD (Kg) 1656.842
 MAXIMUM ALLOWED SINGLE SPRING LOAD (Kg) 3027.027
 RECOMMENDED INSTALLATION CLEARANCE (mm.) 642.874

-----+---+-----+---+---(mm.)--+(Kg)-+---(Kg)---+---(Kg)--(N./mm.)--(mm.)-

8055 1 V3 22 34.592 2361. 2700. 0. 96.0 63.870
 PIPE SUPPORTS LOAD VARIATION = 13%

** VARIABLE SUPPORT SPRING DESIGNED LONG RANGE
 MINIMUM ALLOWED SINGLE SPRING LOAD (Kg) 1656.842
 MAXIMUM ALLOWED SINGLE SPRING LOAD (Kg) 3027.027
 RECOMMENDED INSTALLATION CLEARANCE (mm.) 642.874

-----+---+-----+---+---(mm.)--+(Kg)-+---(Kg)---+---(Kg)--(N./mm.)--(mm.)-