




**STRUCTUREPOINT – CORRECTIVE ACTION REPORT**

Program Name	CAR No	Revision	Date
spColumn	C002	0.0	6/20/25

<b>Issue Description</b>	<p>If either an spColumn model created prior to v10.00 or a new spColumn model created with v10.00/v10.10 meets following criteria:</p> <p>In Model input:</p> <ul style="list-style-type: none"> <li>- RUN OPTION is “DESIGN” under <b>Project   Run Options</b></li> <li>- <b>Column Type</b> is “ARCHITECTURAL” under <b>Define   Properties   Design Criteria</b> Menu</li> </ul> <p>&amp;</p> <p>In Model output:</p> <ul style="list-style-type: none"> <li>- Reinforcement ratio of designed section is between 0.5% and 1.0%</li> </ul> <p>Then, in versions v10.00/v10.10, the program does not reduce the section capacity required by the “ARCHITECTURAL” Option selection. Instead, the capacity remains unreduced as if “USER-DEFINED” Option is selected, resulting in unconservative overestimation of the axial load and moment capacities in the P-M Interaction Diagram.</p>
<b>Typical GUI Path(s)</b>	<b>Define   Design Criteria</b>
<b>Version Found</b>	v10.00
<b>Issue Status</b>	Corrected in v10.20
<b>Corrective Action</b>	If the criteria under Issue Description are met, the user is to run the model with v10.20 to correct the issue, and then, to compare the uncorrected version results with the v10.20 results. If there are differences in section and reinforcement selection, between uncorrected version and v10.20, v10.20 results shall take precedence.
<b>Workaround for Uncorrected Version</b>	If the criteria under Issue Description are met while running the model in v10.00/v10.10, the user is to switch the RUN OPTION to “INVESTIGATION” and run the model. Since the reinforcement ratio for the designed section is between 0.5% and 1.0%, during the run, spColumn will issue a question to the user whether to consider column as “ARCHITECTURAL” or not. Press “YES” to confirm “ARCHITECTURAL” which aligns with the original design intent.

	Development	Engineering	Operations
<b>Authorized Signature</b>			
<b>Approval Date</b>	06/20/2025	06/20/2025	06/20/2025