



Time Impact Analysis Form

T'41.

SFM Structural Steel Review Delays

Key Dates and Assumptions

Submitted 2/9/2019
Substantial Completion 3/10/2020

Time Impact Analysis

Effected Construction Activities							Milestone	Delay to the Progress								Delay to the Milestone							
				Description	on			Status		a.	Befor	re Change		ragnet (days)			Rela	tion	After Change		Before	After C	Change
Number	Earliest	Most Critical	Activity ID	Section	Level	Description	Shop Drawings	Fabrication	Delivery	Relevant Milestono	Start	Finish	IFC Shop Drawings	Fabrication	Delivery Construction	Total	Туре	Lag (wks)	Start Finish	Work affected	Milestone Date	Milestone Date	Impact on Milestone Days of Impact
1 2 3 4 5	Х	Х	STR-1120	All	All	Building A - Erect South to North	x			Substantial	7/15/2019	8/2/2019	90			90	FS	0	9/23/2019 10/11/2019		3/10/2020	5/19/2020	X 70

Narrative of Time Impact Analysis

After working through the design teams review the Shop Drawings were ready to be submitted to the Fire Marshal's Office for final review. Unfortunately, the project team was informed at time of submission that the review process is experiencing major delays due to the large influx of projects currently in review and staff shortage due to California Wildfire support.

To expedite reviews the Project team decided to split the packages into Building A, Building B, and the mezzanines. Building B and the Mezzanines were reviewed in time to support the schedule, but the shop drawings were delayed on Building A by 90 calendar days. At the time of the delay the steel erection of building A was on the critical path of the project. Although the team was able to keep Building B progressing the delays on building A could not be fully mitigated.

After the delay was inputted into the schedule the team recognized a 12 week impact on the project. Two weeks of total float was consumed on the delay and two weeks were mitigated through re-sequencing the work to enable the OH activities to begin sooner while the roof was completed. This brought the overall impact on the schedule to eight weeks.

Mitigation Measures

Milestone Mitigation to the Milestones									
	Milestone	Potential Mitigation Measures	Before	After Mitigation					
Number	levant	Description	Value (days)	Milestone Date		Impact on Milestone	Days of Impac		
1 2 3 4	Substantial	Remove Roofing Predecessor to OH and Top Track	1	5/19/2020	5/6/2020	-14	14		

Findings & Recommendations

Although the project team was able to mitigate two weeks by working roofing structure and OH Top track and MEP the overall project was impacted 8 weeks. Therefore, Hensel Phelps formally requests an 8 week time extension due to impacts beyond the control of Hensel Phelps.

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Approved by





