



Failure Isn't Fatal: Lean Lessons from Soaring Eagle Casino & Resort

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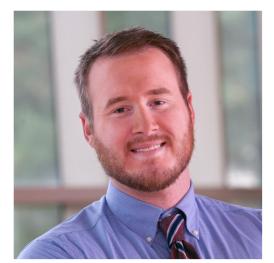
Luke Ewbank

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Tim VanAntwerp



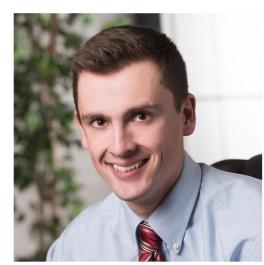
Mike O'Rourke



Bill Curtice



Luke Ewbank





Earn CE hours for this Session

Participants must:

- 1. Sign in using attendance sheet in the back of the room
- 2. Attend at least 95% of the session
- 3. Complete the session and post-program evaluation

Additional instructions will be emailed to attendees requesting CE credits If requesting AIA credits, please provide your AIA number so we can report your attendance For questions regarding continuing education credits, please contact **Jo-Anne Torres**, Manager of Professional Development and Continuing Education, at **jo-anne torres@agc org**, or (703) 837-5360



Earn CE hours for this Session





1 0 AIC CPD Credit | AGC of America has been approved to offer Continuing Professional Development (CPD) credits for qualifying programs by the <u>American Institute of Constructors</u> (AIC)



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This session is designated for **1 0 CPE credit** in the field of Production



1 0 CM-Lean CE Credit | AGC of America recognizes the Annual Convention as qualifying for continuing education hours towards the renewal of AGC's Certificate of Management-Lean Construction (CM-Lean)



Learning Objectives

By the end of this session, participants will be able to:

- 1. Describe how a multi-phased project with strategic check points can uncover inefficiencies and improve quality, safety and customer experience as the project progresses
- 2. Explore how to develop a team culture that promotes open and honest communication, enables constructive feedback and allows teams to mine for waste and work more efficiently
- 3. Discover benefits of building trust and encouraging teams to uncover waste through Lessons Learned meetings
- 4. Discuss takeaways including resequencing, identifying bottlenecks and conducting cost/benefit analysis to improve project flow
- Explore real life examples of the lessons learned on the Soaring Eagle Guestroom Renovations project









Project Overview



Our Mission...







Cool stats to impress you...



- 516 guest rooms....renovated...while occupied
- \$75 million...construction cost
- 115,000 total lost room nights...expected
- Over \$10 million in lost room revenue...expected



Their Community, Their Vision...



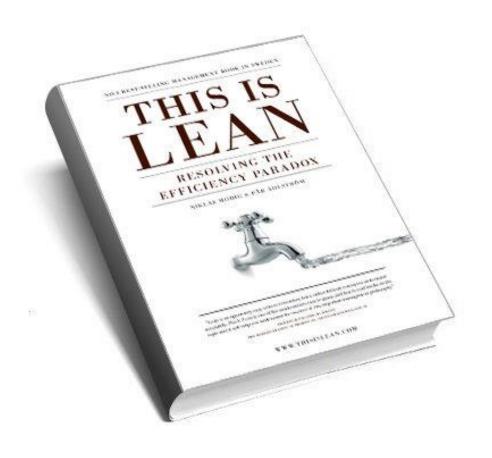




A 5-year Lean Journey...









A 5-year Lean Journey...Meets Opportunity









Planning for Adaptation



It's **easy** to say



"we're going to get better every day,"

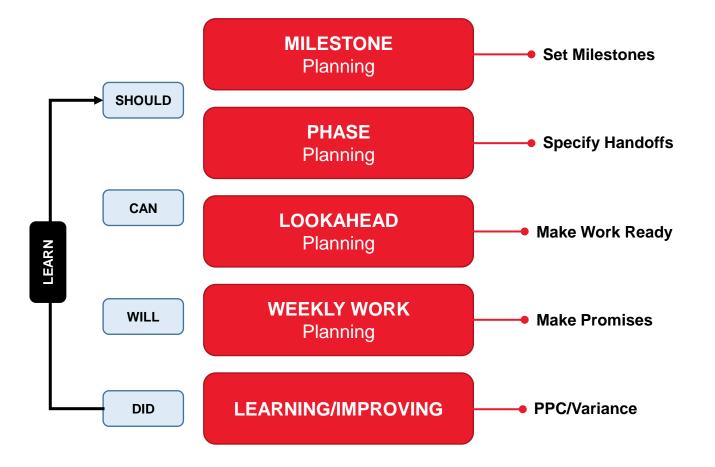
BUT WITHOUT

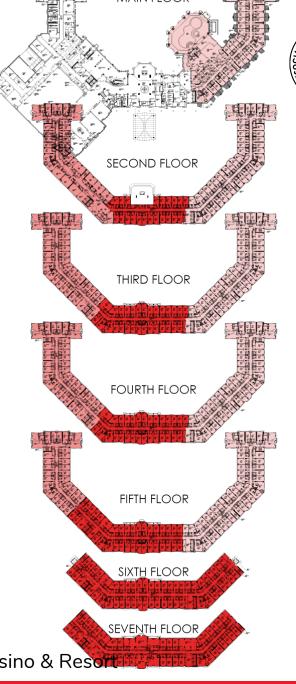
a sense of humility, HONESTY and a plan,

those are just words.

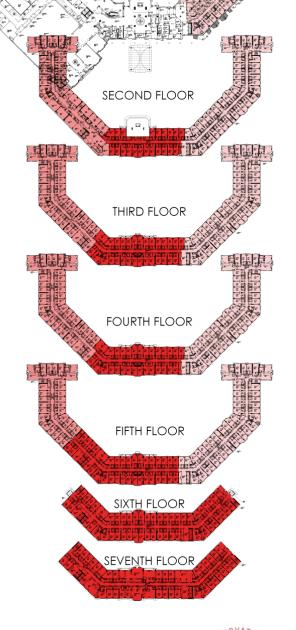


Designing a Plan to Adapt





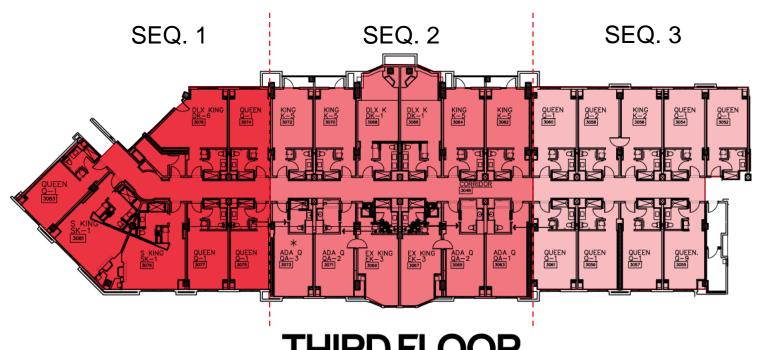




Designing a Plan to Adapt **SEQUENCING**



PHASE 1



28 ROOMS

16 QUEEN ROOMS

10 TYPE Q-1 1 TYPE Q-2 1 TYPE QA-1 2 TYPE QA-2 1 TYPE QA-3 1 TYPE Q-9

12 KING ROOMS

2 TYPE EK-3 2 TYPE SK-1 1 TYPE DK-6 4 TYPE K-5 2 TYPE DK-1 1 TYPE K*2

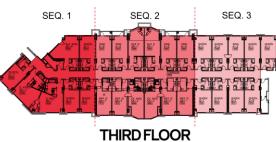
THIRD FLOOR



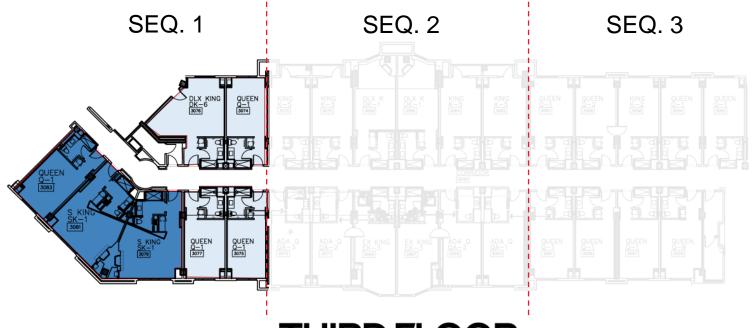
Designing a Plan to Adapt







PHASE 1



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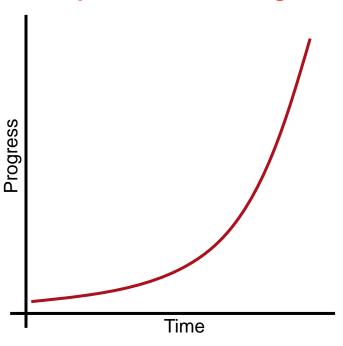
Why take this approach?



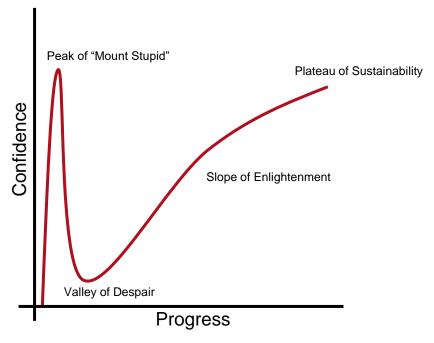
Continuous Improvement



Expectations of Progress



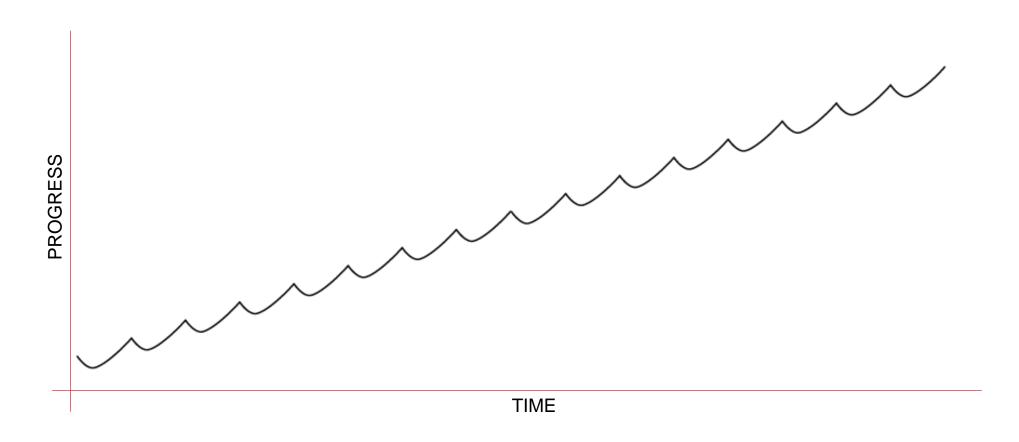
Realities of Progress





The Concept of "Little Js"









1% BETTER EVERY DAY





Implementation & Management of Continuous Improvement Mindset





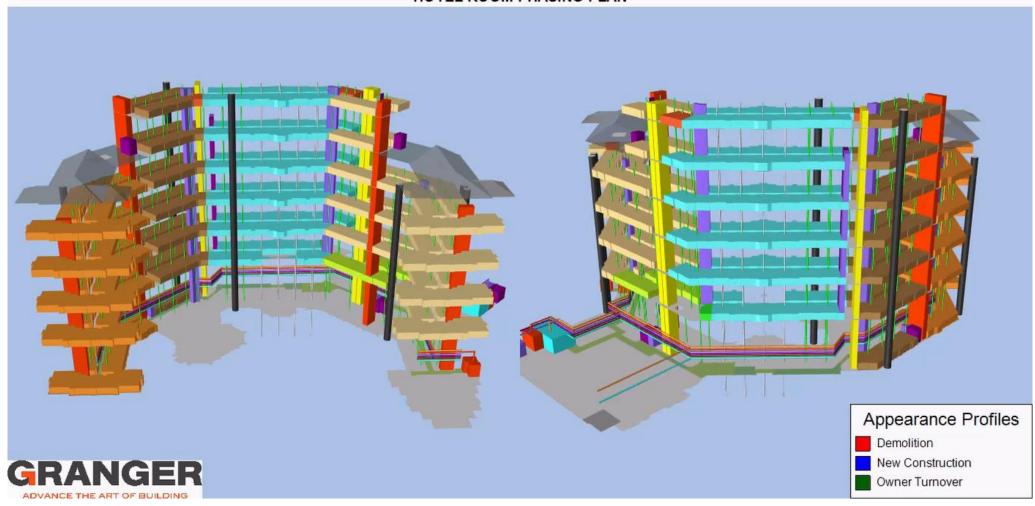
Soaring Eagle Casino & Resort Preliminary Schedule For Rooms Available During Construction







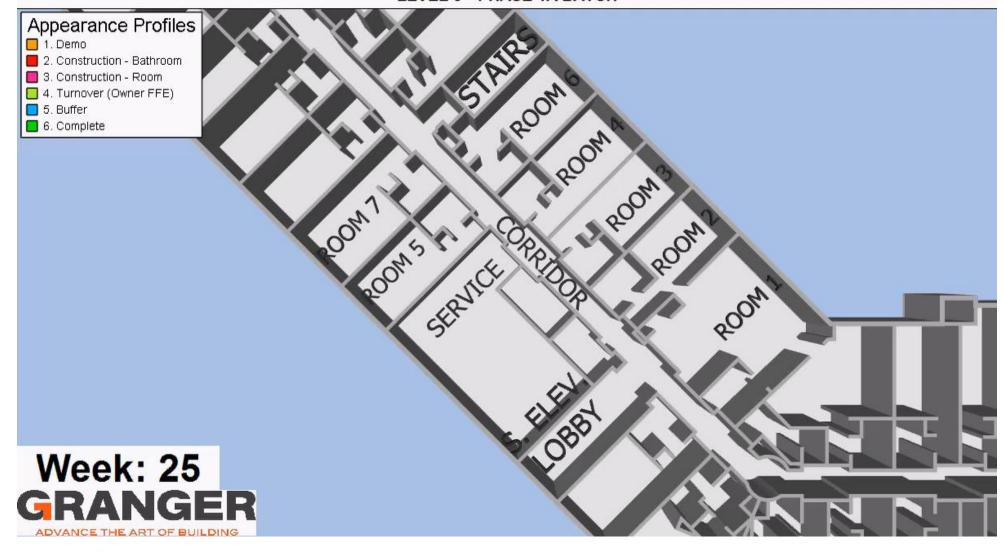
HOTEL ROOM PHASING PLAN





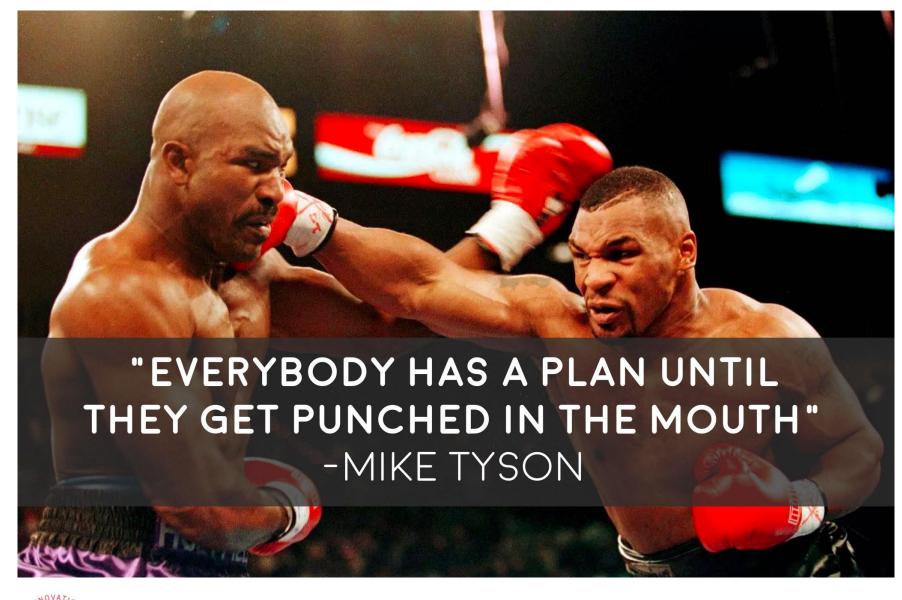
SOARING EAGLE CASINO & RESORT-HOTEL GUEST-ROOM RENOVATION PROJECT LEVEL 3 - PHASE 1A BATCH



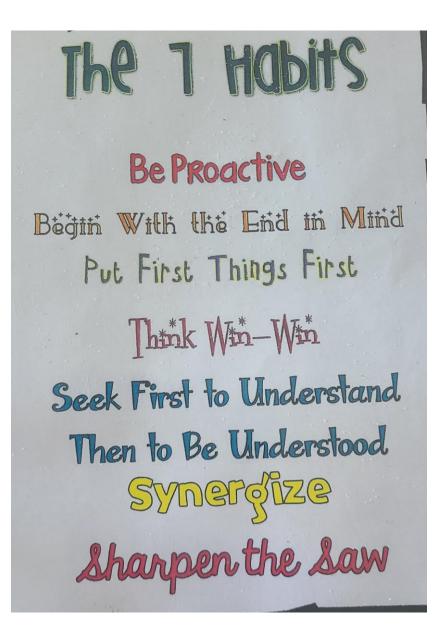


















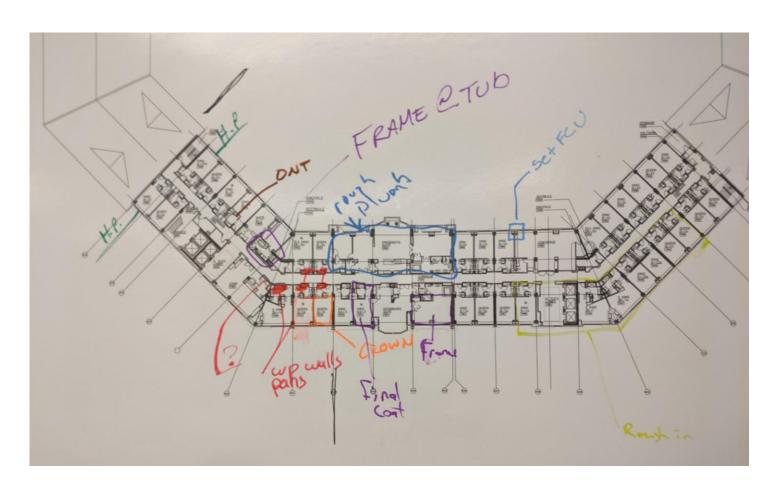
Managing the Plan





Morning Huddles

- Daily coordination
- Daily commitments
- Identifying/resolving constraints

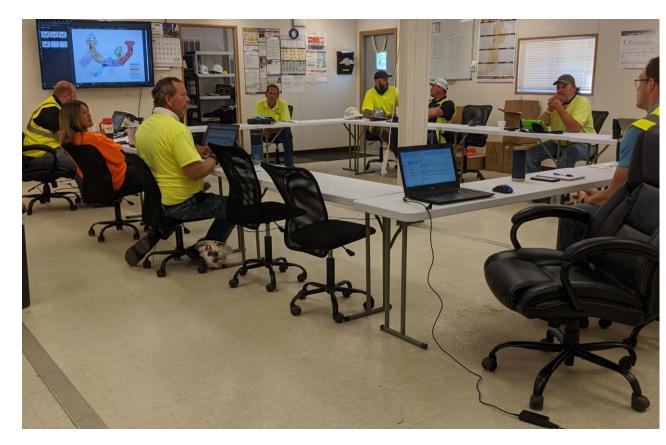






Afternoon Check Ins

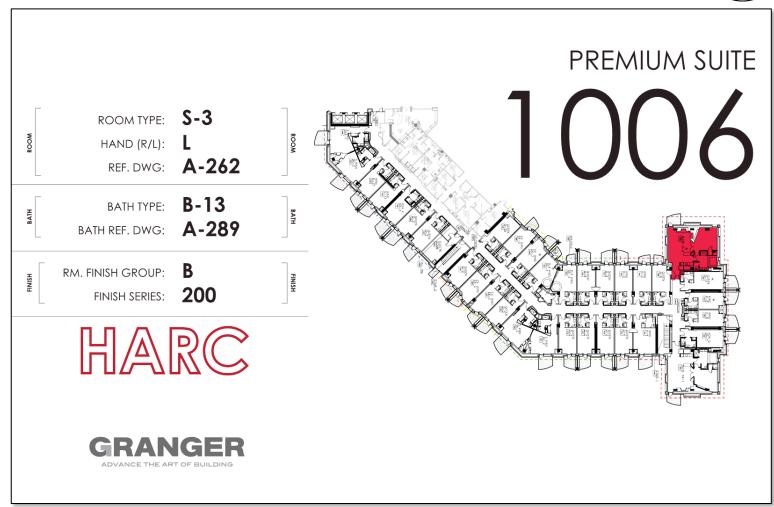
- Promises made. Promises kept?
- Why or why not?
- Planning for tomorrow







"Small J"







"Begin with the End in Mind"







"Put First Things First"







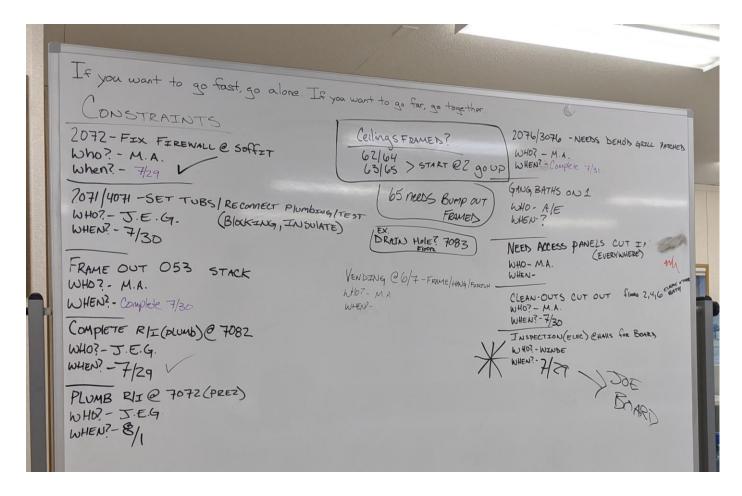
"Think Win-Win"







"Seek first to understand, then to be understood"



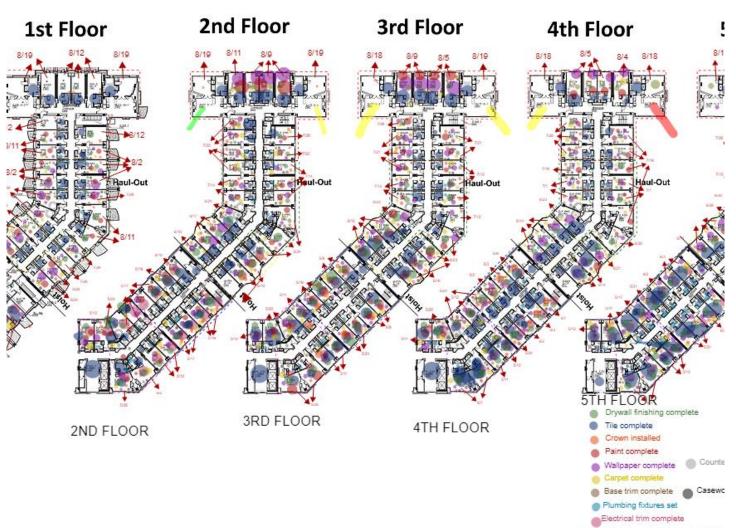




X/XX = FFE DELIVER

"Synergize"

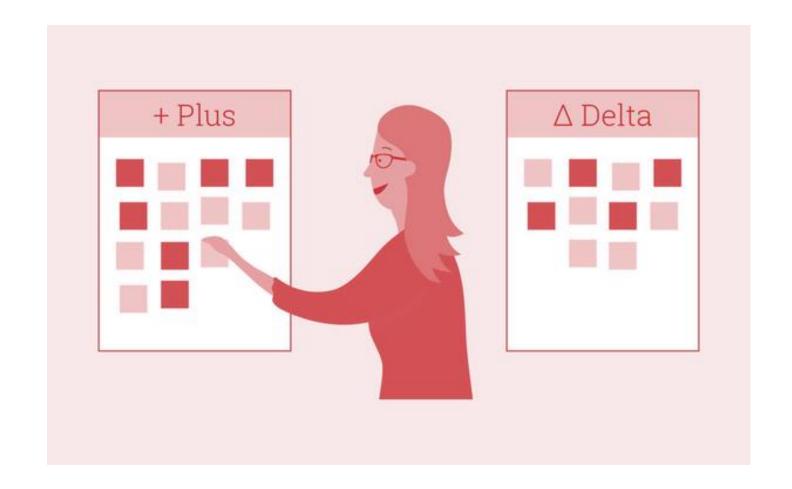
"Sharpen the Saw"





Lessons Learned Meetings



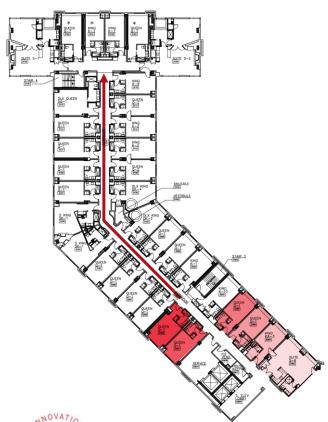




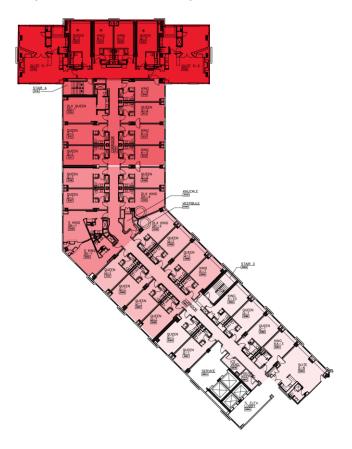
Batch Modifications to Improve Flow



(BY ROOM)



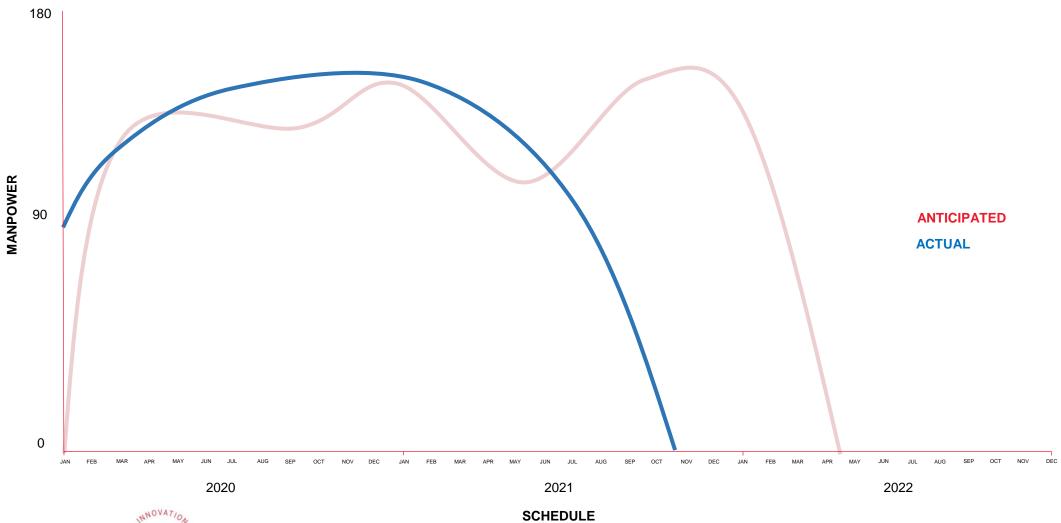
MODIFIED BATCH PLAN (BY WEEKLY CYCLE)





Resource Leveling









Process Improvement





Benefits Observed





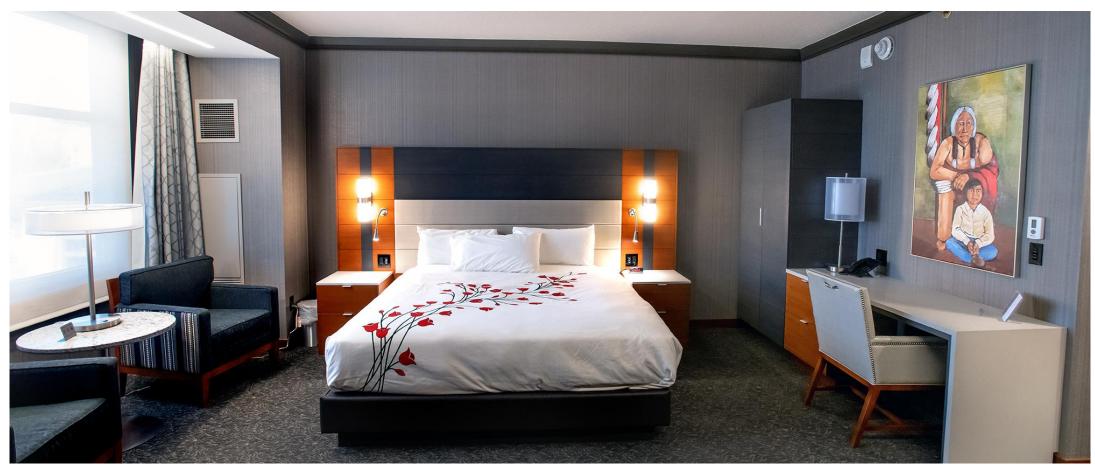
Attacking Process Waste

	_	TV PROGRAMMING						PHONE				MATTRESSES		
ROOM	TYPE	FFE Delivered	Electrical Trimed	LV Finished	TV In Room	TV Program	READY FOR SECR IT	LV Finished	Stone Top Installed	Phone Installed & Programmed	READY FOR SECR IT	Room Cleaned	Mattress Placed	READY FOR SECR
4082	S-6	X	X	X	X	X	COMPLETE	X	X	X	COMPLETE	Х	X	COMPLETE
4084	KA-3	X	X	X	X	X	COMPLETE	X	X	X	COMPLETE	Х	X	COMPLETE
4086	Q-1	X	X	X	X	X	COMPLETE	X	X	X	COMPLETE	Х	X	COMPLETE
4088	Q-1	X	X	X	X	X	COMPLETE	X	X	X	COMPLETE	Х	X	COMPLETE
4090	K-10	X	X	X	X	X	COMPLETE	X	X	X	COMPLETE	Х	X	COMPLETE
4091	Q-1	X	X	X	X	X	COMPLETE	X	X	X	COMPLETE	Х	X	COMPLETE
4093	Q-1	X	X	X	X	X	COMPLETE	X	X	X	COMPLETE	Х	X	COMPLETE
4094	K-1	X	X	X	X	X	COMPLETE	X	X	X	COMPLETE	Х	X	COMPLETE
4095	Q-1	X	X	X	X	X	COMPLETE	X	X	X	COMPLETE	X	X	COMPLETE
4096	Q-1	X	X	X	X	X	COMPLETE	X	X	X	COMPLETE	Х	X	COMPLETE
4097	Q-1	X	X	X	X	X	COMPLETE	X	X	X	COMPLETE	Х	X	COMPLETE
4098	Q-1	X	X	X	X	X	COMPLETE	X	X	X	COMPLETE	Х	X	COMPLETE
4099	Q-1	X	X	X	X	X	COMPLETE	X	X	X	COMPLETE	X	X	COMPLETE
4100	DK-2	X	X	X	X		READY	X	X		READY	Х		READY
4101	Q-1	X	X	X	X		READY	X	X		READY	X		READY
4103	SK-1	X	X	X	X		READY	X	X		READY	X		READY
4105	SK-1	X	X	X	X		READY	X	X		READY	X		READY
4106	DK-4	X	X	X	X		READY	X	X		READY			NO
4107	Q-1	X	X	X	X		READY	X	X		READY			NO
4108	Q-2	X	X	X	X		READY	X			NO			NO
4109	Q-1	X	X	X	X		READY	X			NO			NO
4110	K-2	X	Х	X			NO	X			NO			NO
4111	Q-1	X	X	X			NO	X			NO			NO
4112	K-2	X	X	X			NO				NO			NO
4113	Q-1	X	X	X			NO				NO			NO
4114	Q-2	X	X				NO				NO			NO
4115	DQ-1	X	X				NO				NO			NO
4116	K-9	X					NO				NO			NO
4119	S-1	X					NO				NO			NO
4120	Q-7						NO				NO			NO
4121	K-7						NO				NO			NO
4122	K-7						NO				NO			NO
4123	Q-7						NO				NO			NO
4124	S-2						NO				NO			NO

Implemented tracking tool stored on SharePoint for live updates by the minute, which then dynamically communicated to a visual schedule

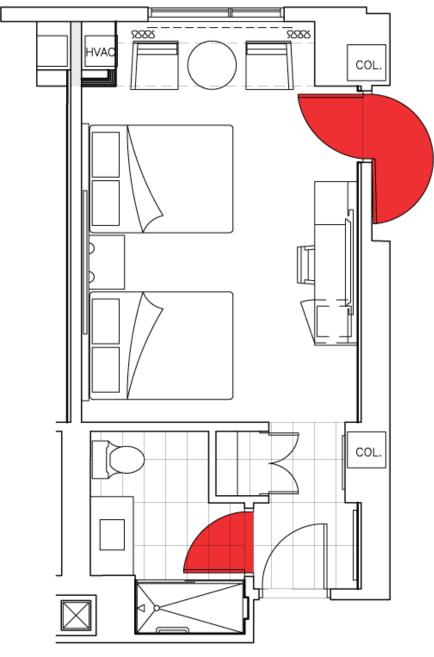








Eliminate Production Waste





PHASE 1&2 – Salvage Door

6 Hours Per Door



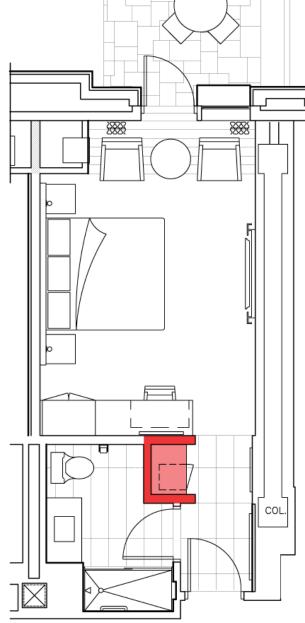
2 Hours Per Door

- Credit Painting
- Credit Storage





Improving Flow



PHASE 1

- 1. Casework
- 2. Shelf Brackets
- 3. Frame AP
- 4. Set Stone
- 5. Paint AP
- 6. Install Shelf

PHASE 2

Activity 1

- Casework
- Shelf Brackets

Activity 2

Set Stone

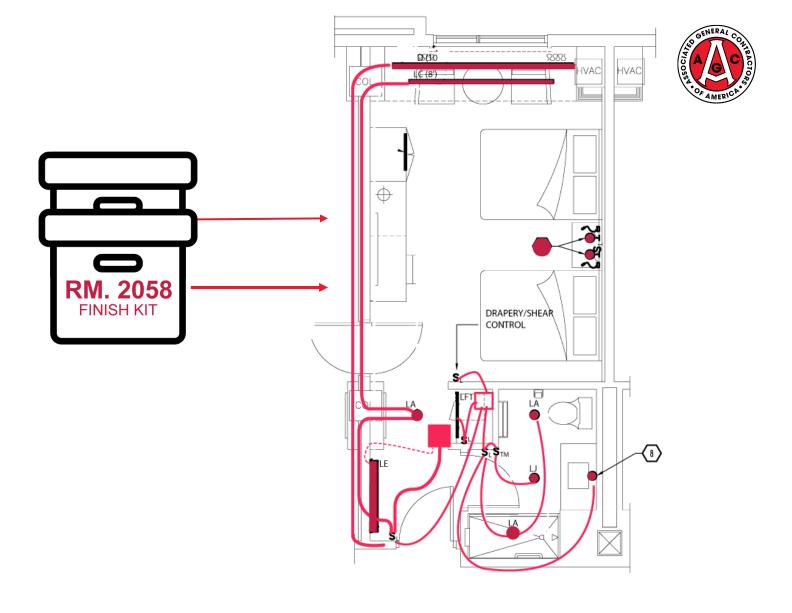
Activity 3

- Pre Fabricated AP
- Install Shelf

6 Trips Into Room **3** Trips Into Room



Success Breeds Success







Success Breeds Success





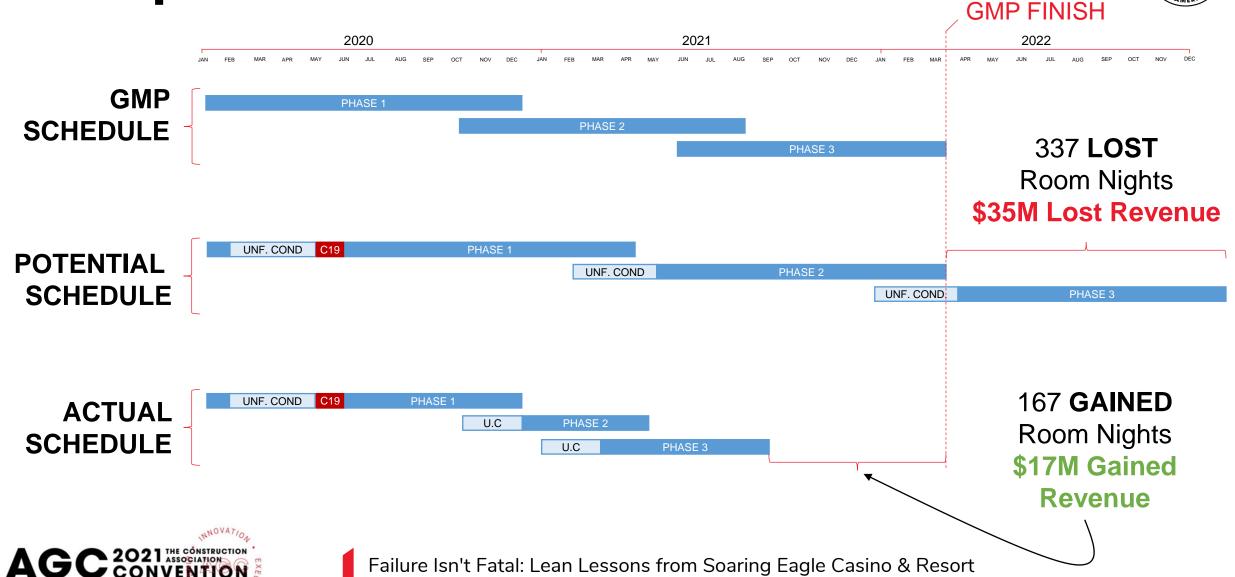


Tangible Impacts



Impact of Small Js...on Schedule

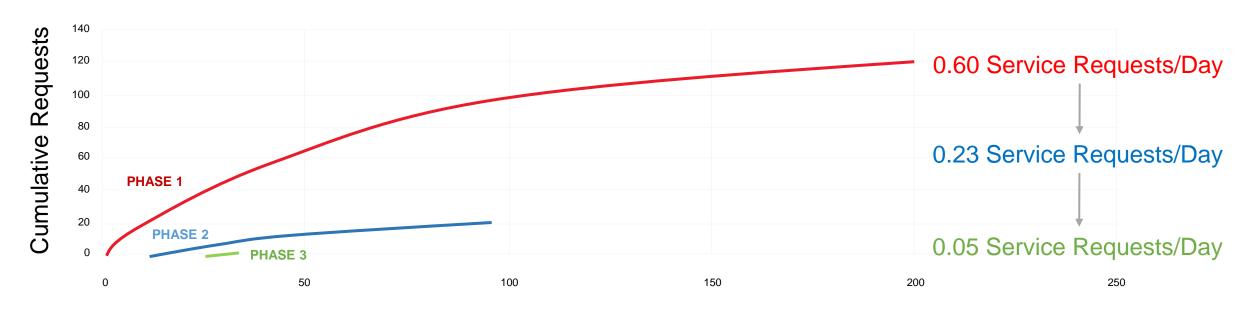




Impact of Small Js...on Quality



Cumulative Service Requests by Phase









Thank you!

