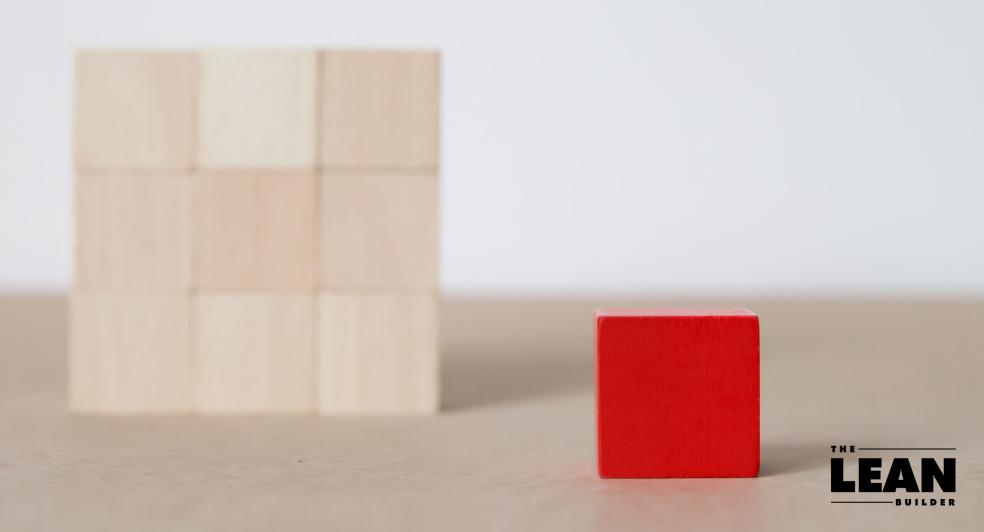




Why





Low Engagement

Looking at phones & texting Typing on laptops Picking at donuts







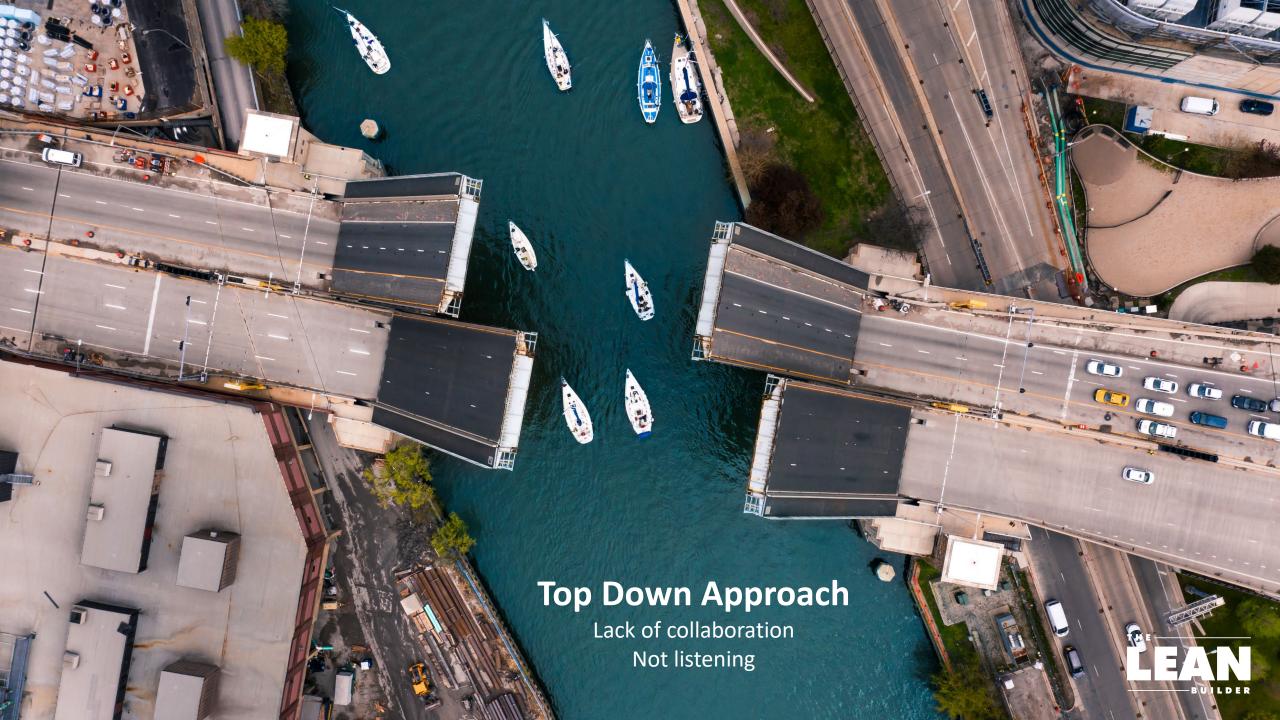




Adversarial Dynamic

GCs -vs- Trades Trades -vs- Trades







- 1. Keep it short.
- 2. Start on time, and end on time.
- 3. No phones or distractions.
- 4. Stand up.
- 5. Get in a routine.
- 6. Stay on track.
 - 2-Minute Rule / ELMO
 - The Parking Lot
- 7. Involve the entire team.





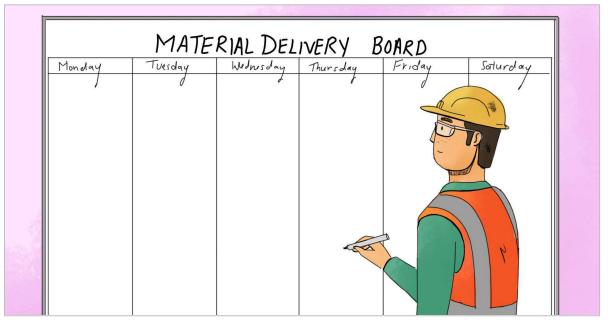
- 1. Low engagement -vs- high engagement
- 2. Longer meeting -vs- shorter meeting
- 3. Top down approach -vs- collaborative approach
- 4. Poor delivery of communication -vs- more effective delivery of communication
- 5. Poor trade-to-trade relationships -vs- better trade-to-trade relationships.



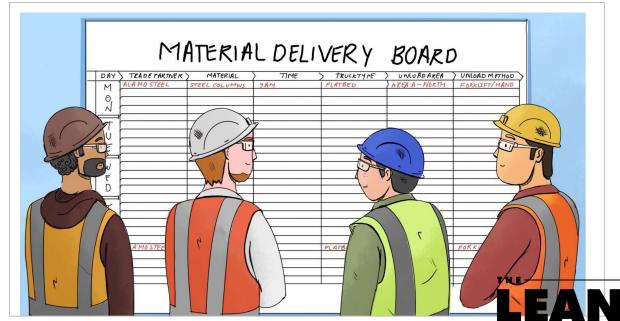




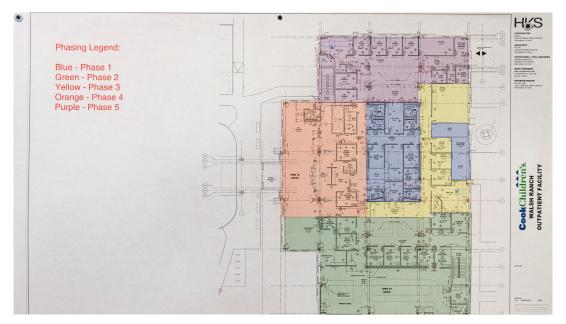








Go Visual

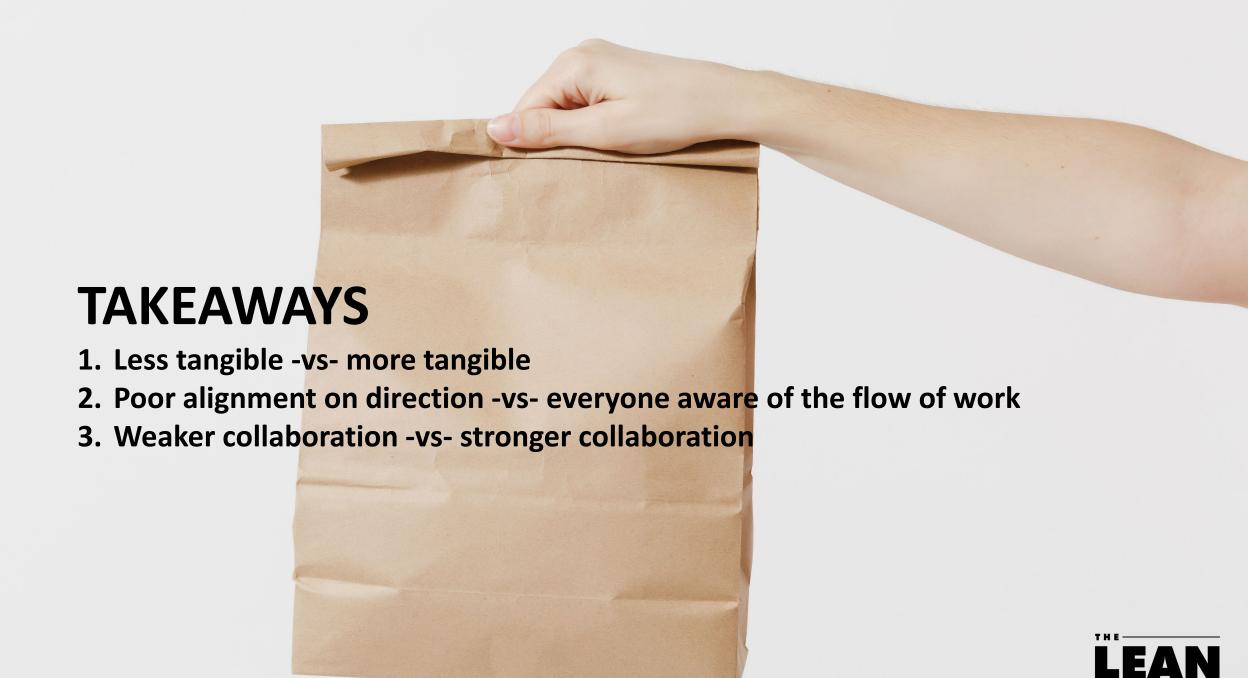




	9	10	A 11	12	13
DELIVERY BOARD	Monday	Tuesday	Wednesday	Thursday	Friday
Company/Trade	FUSI FILM		PLANTING GEAR		POVER
Foreman Name/Phone Number	DAVID - 817 213 7662 RAD ROOM EQUIP.		CONNEX DE-MOB		PAIN 912-361-1134
Materials Being Delivered	RAD ROOM EQUIP.		CONNEX DE-MOB		ADED RELITIVE
Delivery Time	BAM		9.401		16 PM
Delivery Company Name	FUJI		RYNADIU CEM		an locusius
Truck Type	SEMI		SENT! HALL		SOAT
Unload Area	WEST DOORS		MUTH, SIDE		EAST/ WEST DOORS
Unload Method	SKYTEACK		N/14		RECITIFF PROVIDE
Company/Trade	TAN SIT 29 0808				
Foreman Name/Phone Number	TAN 817 219 0808				
Materials Being Delivered	CANCRY				
Delivery Time	7 AM				
Delivery Company Name	APCH FIAB				
Truck Type	16' TRADIER				
Unload Area	EAST STOE				
Unload Method	SERD STEER				
Company/Trade					
Foreman Name/Phone Number	Marie Marie Control				
Materials Being Delivered					
Delivery Time					
Delivery Company Name					
Truck Type					
Unload Area					
s Unload Method		Mary Constitution			





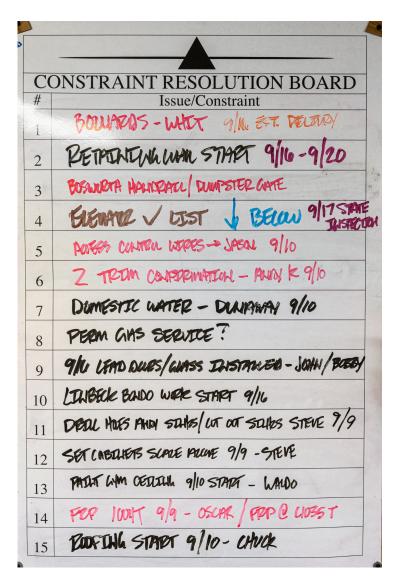








Managing Constraints



#) WHAT	WHERE) WHO	DUE
1				
2	Fiber Coordination & Switch Over	Redon	FAITH/MG	2/6
3				
4	Temp Paver Disruption	Site/ada	. Faith	2 7
5	Chilled Water Top Disruption			
6				
7				
8				
9				
10				
11				
12				
13	CLEARANCE ON POUR BREAKS	VALLTS	GJS	2/11
14	ELEVATIVE US Shorzang PLAN		PIMALL	2/13
15				
16				
17		0		
18	RAD DNC GROWDing	PAO	FT	
19	RAD QUE ROOF PENS. RELOCATE	RAO	FT/USE	
20				
21				





- 1. Less accountably -vs- more accountability
- 2. Less awareness of root cause -vs- more awareness of root cause
- 3. Slower resolution speed -vs- faster resolution speed



What is the Last Planner System TM?



The Last Planner System™

- 1. Master Scheduling
- 2. Phase Scheduling
- 3. Look-Ahead Planning
- 4. Weekly Work Planning
 - Three-Week Look-Ahead
 - Activities/Work to Be Done
 - Manpower Tracking
 - Constraints/Needs
- 5. Percent Plan Complete



Why use the Last Planner System™?

Remove silos

Push -vs- Pull

Make reliable commitments

Improve project direction and flow

Create trust and accountability

Identify and address root causes for incomplete work



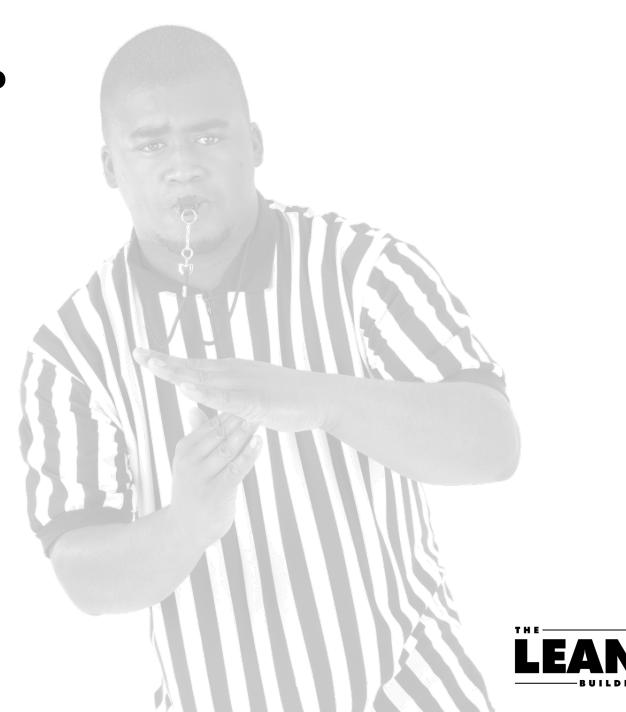
Where do teams go wrong?

Not starting with culture

Focusing on tools – not on people

Lack of training

Only using pull planning







ACTIVITY

The thing that needs to be done

MINUTES	HANDOFF
How long this activity will take to complete	The thing that needs to be completed for this ACTIVITY to happen





AIR TICKET

NAME OF PASSENGER
JAMES DOE

FLIGHT LJLON23

FROM: DALLAS FT WORTH / DFW
TO: HONOLULU, OAHU / HNL

DATE16. JUL 20 **GATE SEAT 21B**

GATE CLOSES 30 MINUTES BEFORE DEPARTURE

10:00

ETKT 454843121451100

BOARDING PASS

NAME OF PASSENGER
JAMES DOE

FROM: DALLAS FTW / DFW TO: HONOLULU / HNL

DATE FLIGHT
16. JUL 20 LJLON23

GATE SEAT 21B

→ AIR COMPANY

BOARDING PASS

135



NOMY

ASS



















So, now you know you need to leave at 8:20, but there's one problem....



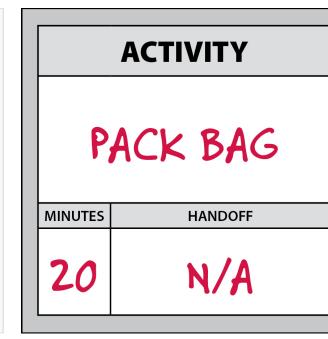
























Before the Pull Plan session:

- Decide on the milestone to pull
- Decide on a facilitator
- Select who should attend
- Pre-Pull
- Set up the meeting room

During the Pull Plan session:

- Introductions & ground rules
- Fill out cards
- Post cards and pull back
- Recap

After the Pull Plan session:

- Document the pull plan
- Update master schedule
- Create the look-ahead

MECHANICA

MECHANICAL





- 1. GC validated schedule -vs- trade & GC validated schedule
- 2. Low to moderate flow of work -vs- high flow of work
- 3. Low awareness around other trades work activities -vs- high awareness of other trades work activities
- 4. Less consistent collaboration and communication -vs- more consistent collaboration and communication











VISUAL BOARDS



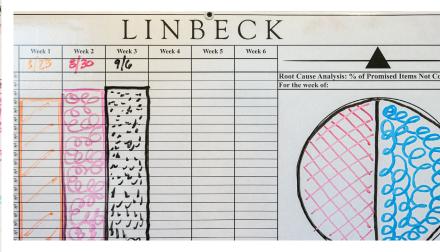
THREE WEEK LEAN DASHBOARD:

VEX-EXP

	PROJECT MIL	ESTONE TRACKING	
MILESTONE	DATE	MILESTONE	DATE
LIW CONC "B	1-21	ROOF "p"	2-08
MILESTONE	DATE	MILESTONE	DATE
		ROOF A COMPLETE	3-04

ACTIVITY / WORK TO BE DONE An identifiable unit of work. An item or requirement that will prevent an activity from starting, advancing or completing as planned. **The image of the image		
from starting, advancing or completing as planned. or substrate for work to begin. or substrate for work to begin. FETTALORDE 1/1N AGENT 5/5U M TH F 5/5U M TH		
	/30	M TU W TH F
2 NORTHON		
3 Brick wall on C/B		0.0.0.0.0
5 Area A South Priority Wolls Frames Outrook	4444	88885
6 Area A from 4 Sheething/ Drick Side and south morchon south out	3 3 3 3	77667
	2 22	337
10 6th B north Top-art / South Frames 6th WILLIAM SOUTH SOUTH	6644X	, , ,
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14 waching Brick prep. C. L. 7. 6.5	4 4 4 4	9992
15 Alea B L.W. (Koot North Class Docking Doghouse Doghouse	55551	
17 Area B Don house TPO Roof	8888	88888
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	WEST DOORS		ALIEN SIDE		EAST/NEST DOORS
iod	SKYTEACK		N14		REKLIST FROM
ade	ARCH FAB				
me/Phone Number	DAN 817 219 0808				
ing Delivered	CANCRY				St. All Indiana
ne	7 AM				
npany Name	ARCH FAB 16' TRADER				
	EAST STOE				
iod	SERV STEER				
ade					
me/Phone Number					
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ne					
mpany Name					
nod					



2	RETPUNTUM WAR START 9/16-9/20
3	BOSWIDTA HALKBACK DUMPSTER CATE
4	ELEMAND V LIST & BELOW 9/17 STATE
5	parties culture waters -> Jason 9/10
6	2 TECH COMPREMENTION - AND
7	DIMESTIC WATER - DUNGWAY 9/100 ILDER







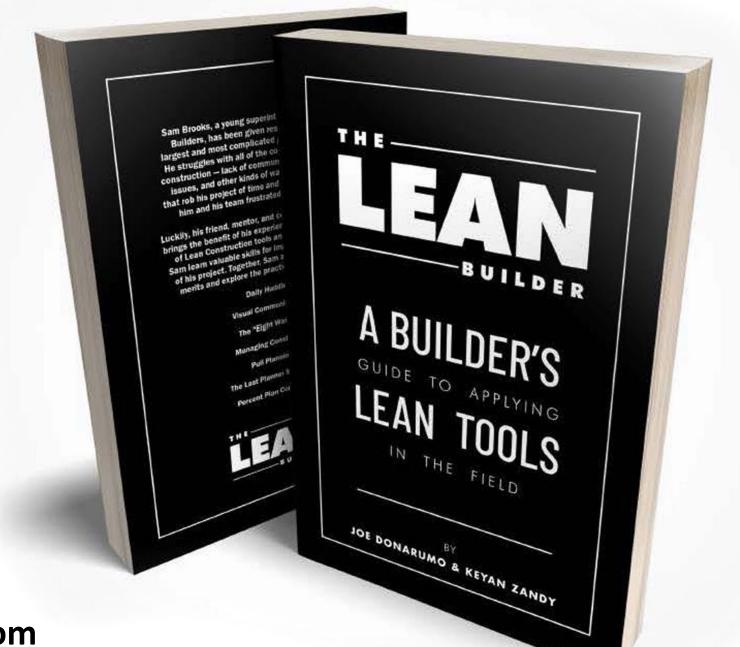












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In the spirit of continuous improvement, we would like to remind you to complete this session's survey! We look forward to receiving your feedback. Highest rated presenters will be recognized.

BUBBLEREE



Thank you for attending this presentation. Enjoy the rest of the 22nd Annual LCI Congress!

