

# Innovation Tools





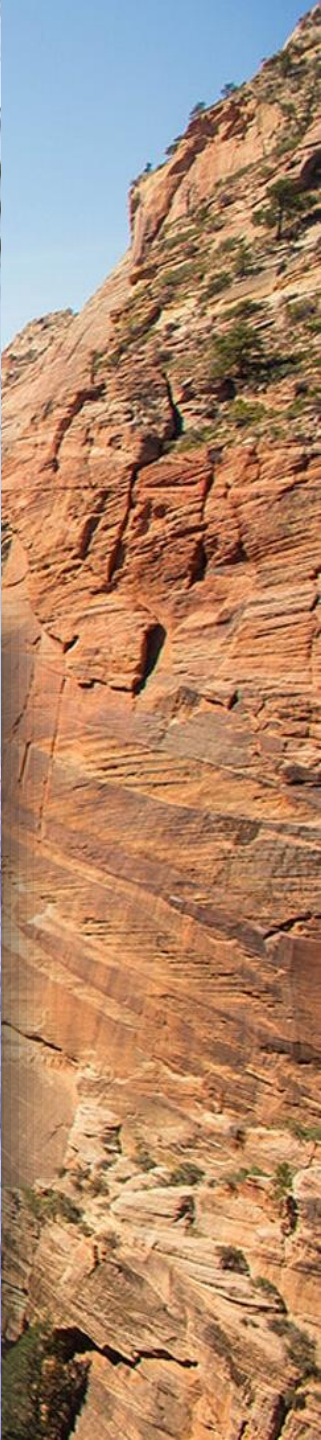
**Steve Moore, PMP, PSP,  
PMI-SP, LEED AP**

Manager of Scheduling  
and Innovative Support

**ROBINS & MORTON**



Shutterstock.com/1131490





# THE NOSE (in 3 days)

El Capitan, Yosemite Valley, California  
Trad & Aid, 28+ pitches, 2900', Grade VI, 5.14a or 5.9 C2, & lots of stami

Photo and annotations by Steph Abegg, June 2017. Photo taken from Central Pillar of Frenzy.  
[www.StephAbegg.com](http://www.StephAbegg.com)

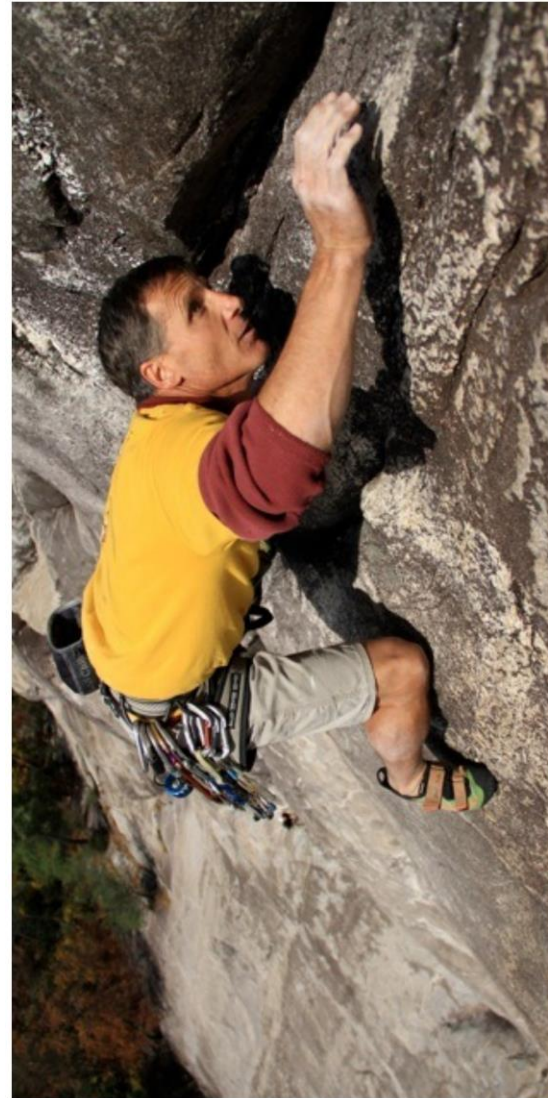
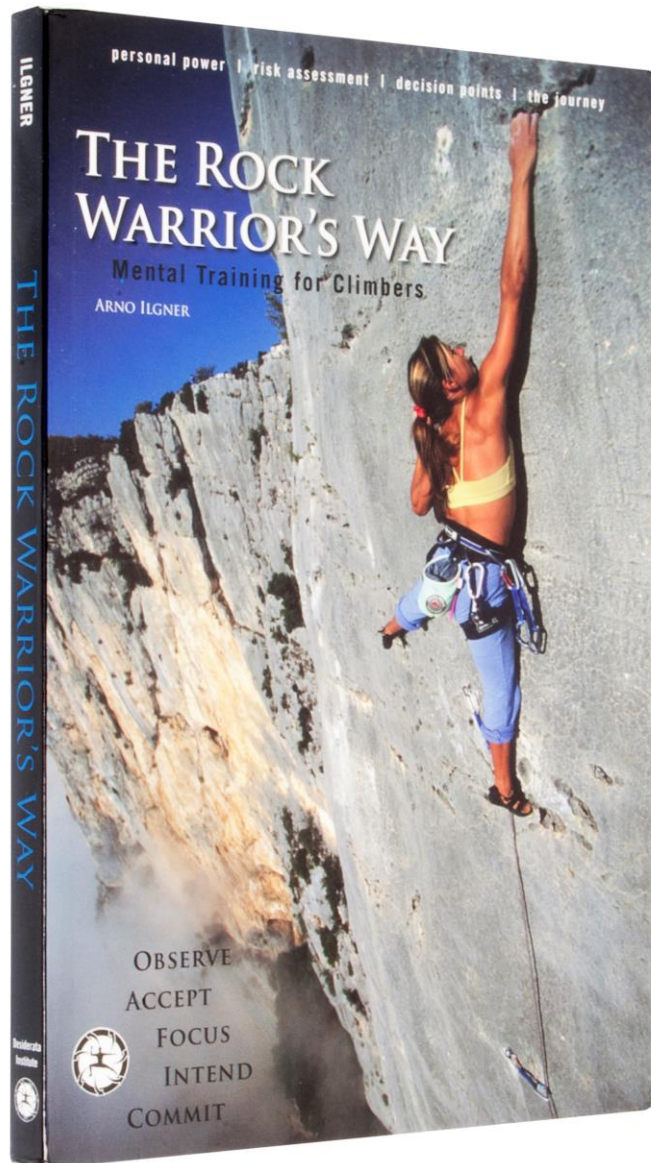


A person in a green shirt and blue shorts is rappelling down a steep, reddish-brown rock face. The person is suspended by a rope and is looking down. The background is a clear blue sky and distant mountains.

Overcoming my Fear of...  
Falling

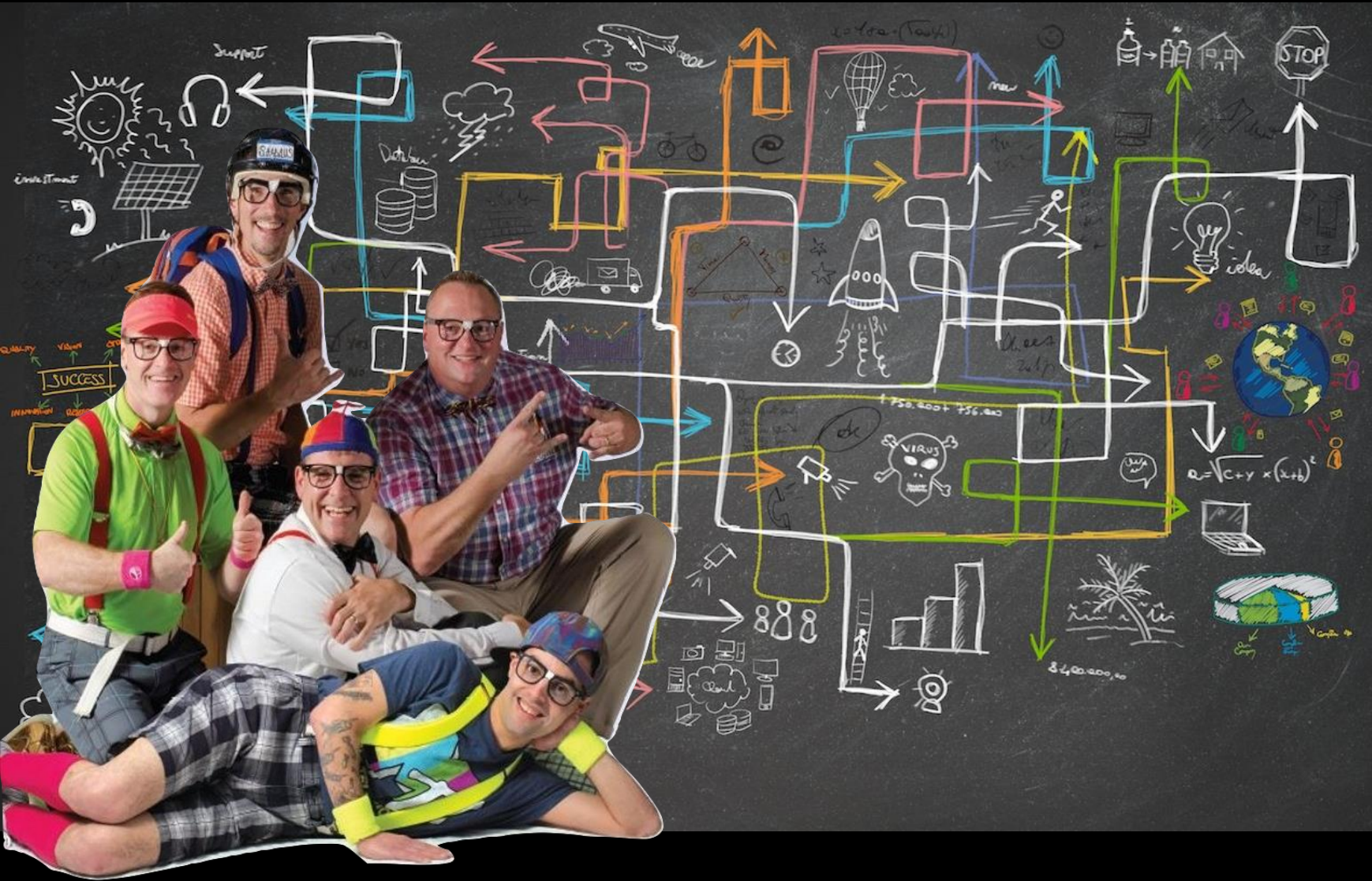
...and

Failing





# Current State of Construction Software



# Current State of Construction Software



# Current State of Construction Software

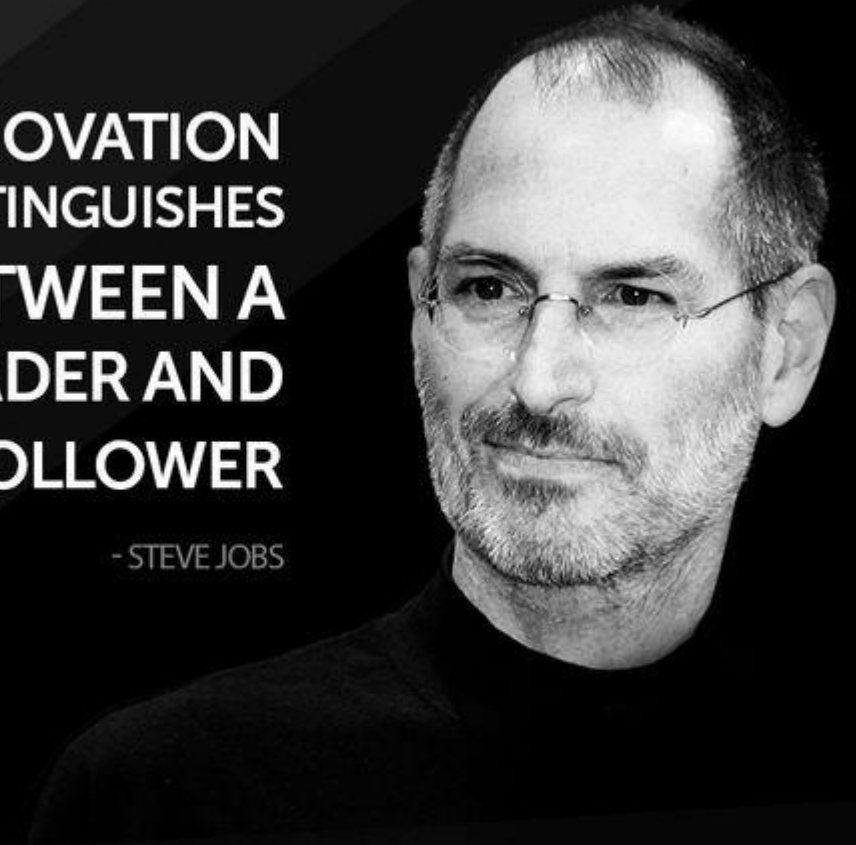


# We Can't Continue Waiting...



**INNOVATION  
DISTINGUISHES  
BETWEEN A  
LEADER AND  
A FOLLOWER**

- STEVE JOBS



What can WE do about it?

**THINK  
OUTSIDE  
THE  
BOX**

**INNOVATE**



Power BI



# ROI

- Saves:
  - 3 Hours/Week/Project
  - 17,000 hours/year (110 projects)
  - \$1.5M/year
- Costs:
  - \$30K/year



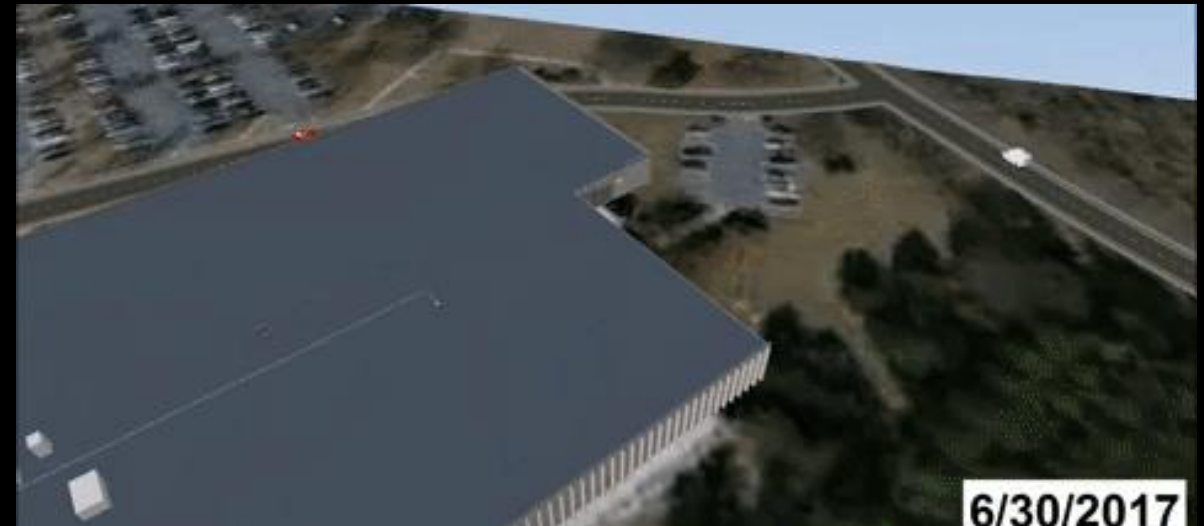
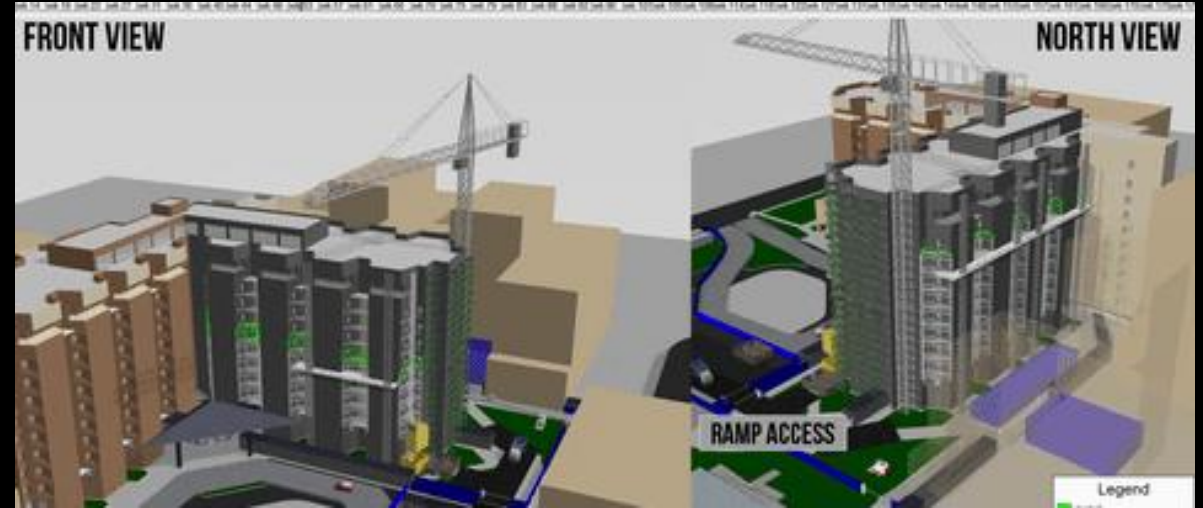






# 4D Scheduling

- Clear Communication
- Schedule validation
- Easily understood
- Retain benefits of CPM

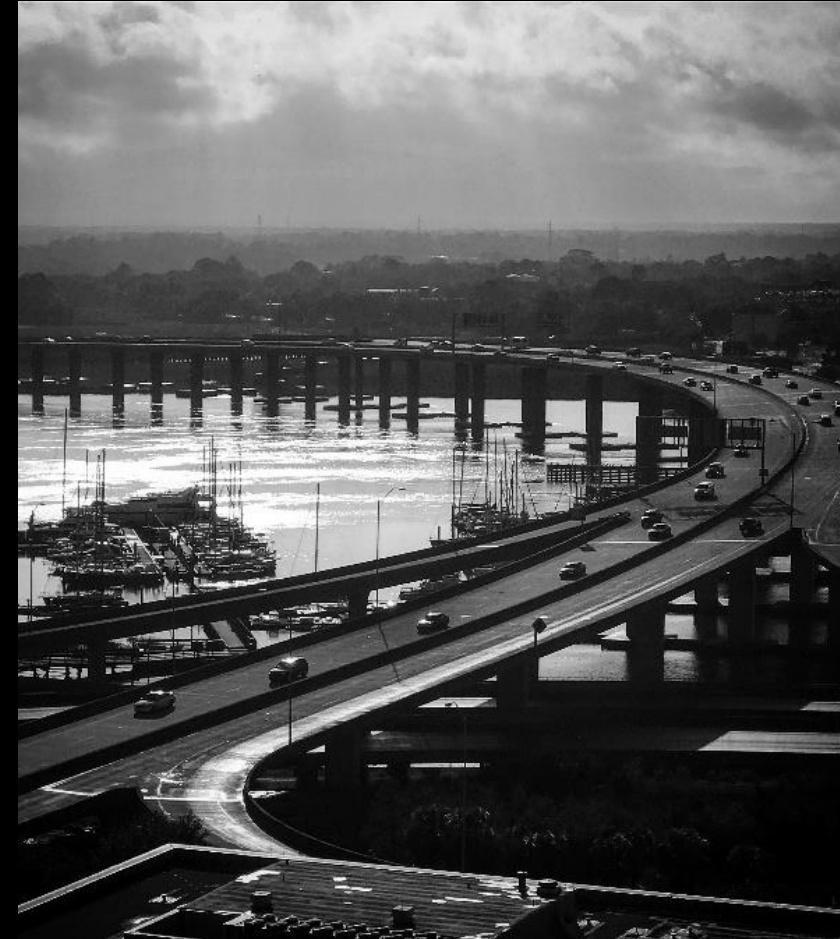


# 4D Scheduling

## MUSC CHILDREN'S HOSPITAL/WOMEN'S PAVILION

Charleston, South Carolina

Program \$385M  
Construction \$250M  
11 Stories  
626,000SF  
30 Month Schedule



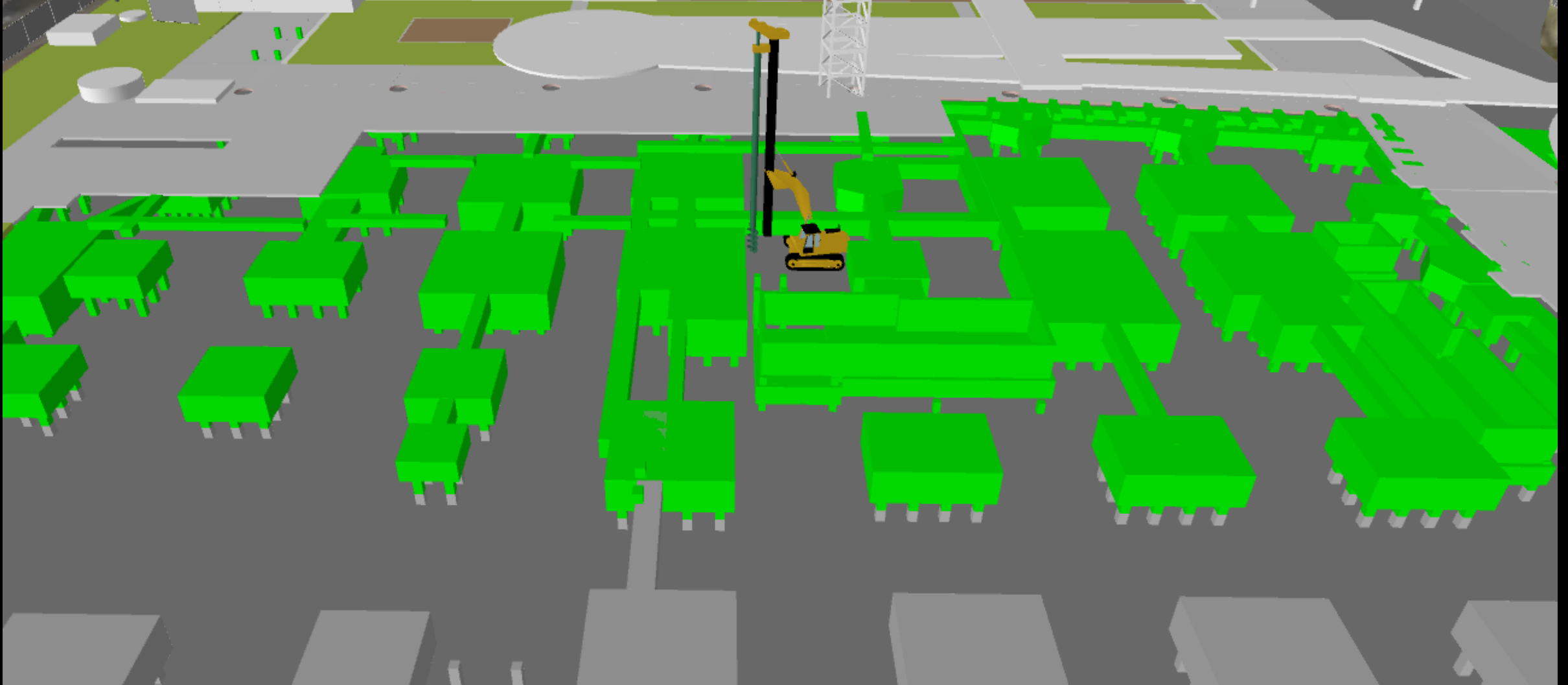
# Collaboration



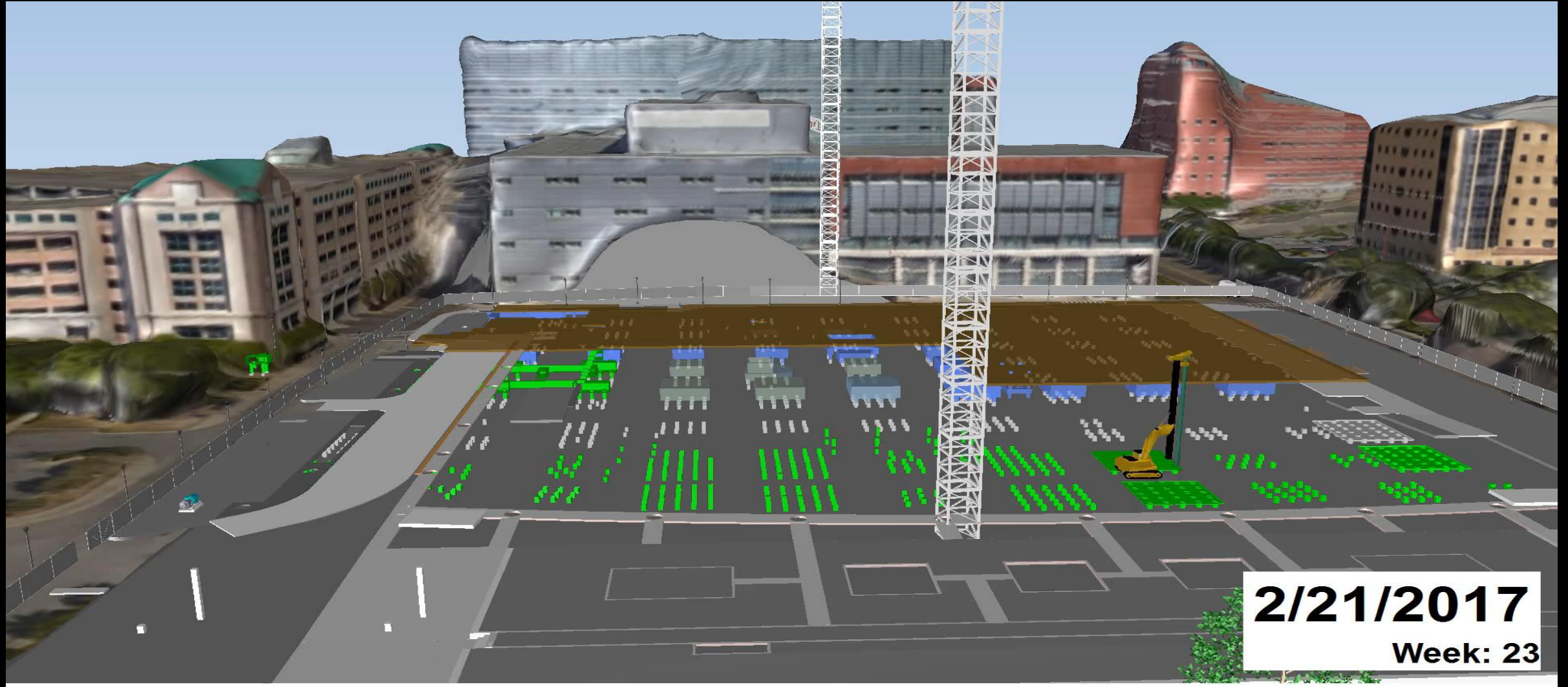
# Schedule Validation



# Schedule Validation

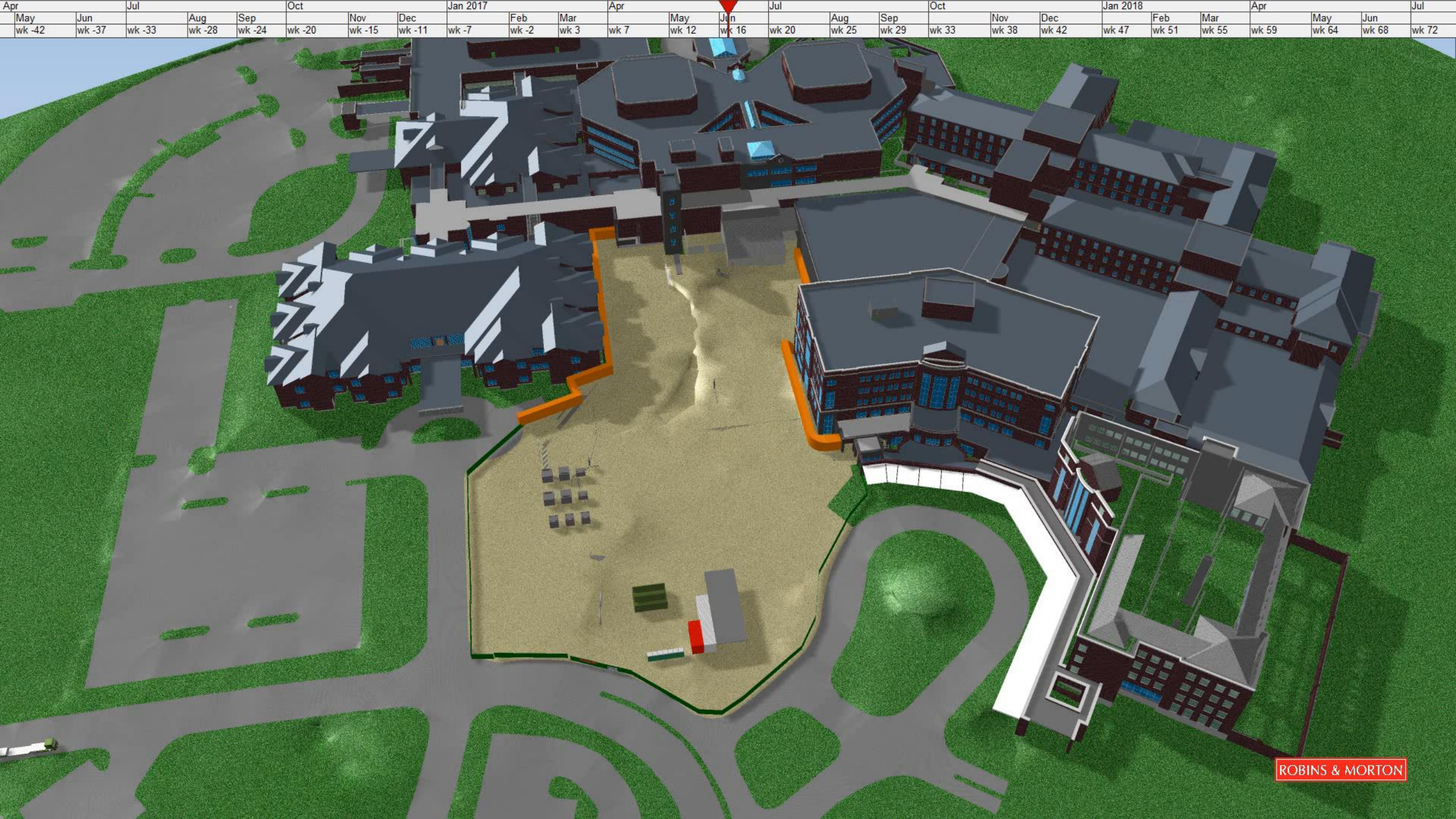


# Schedule Validation



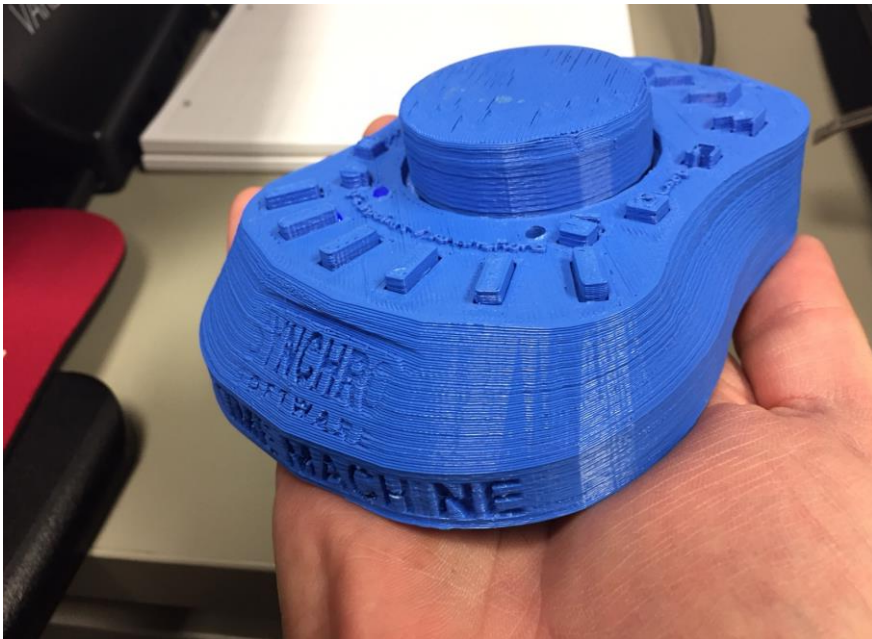
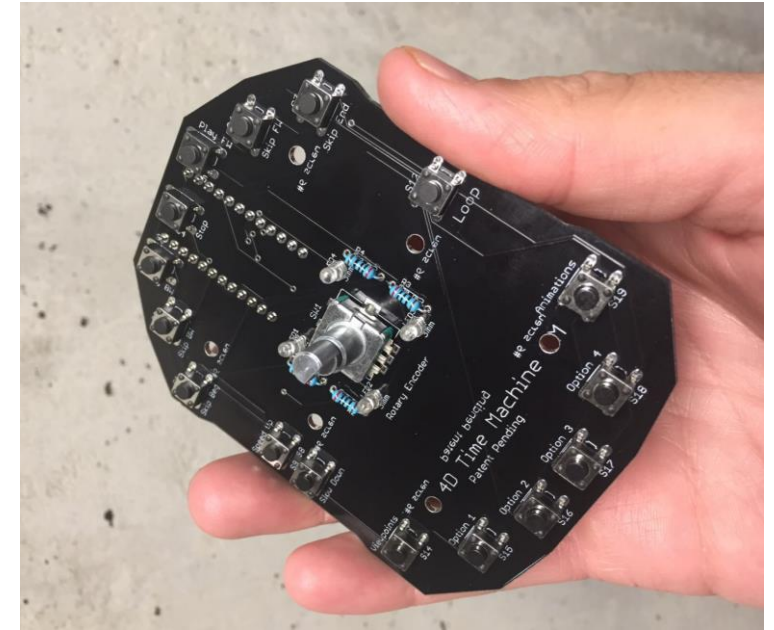
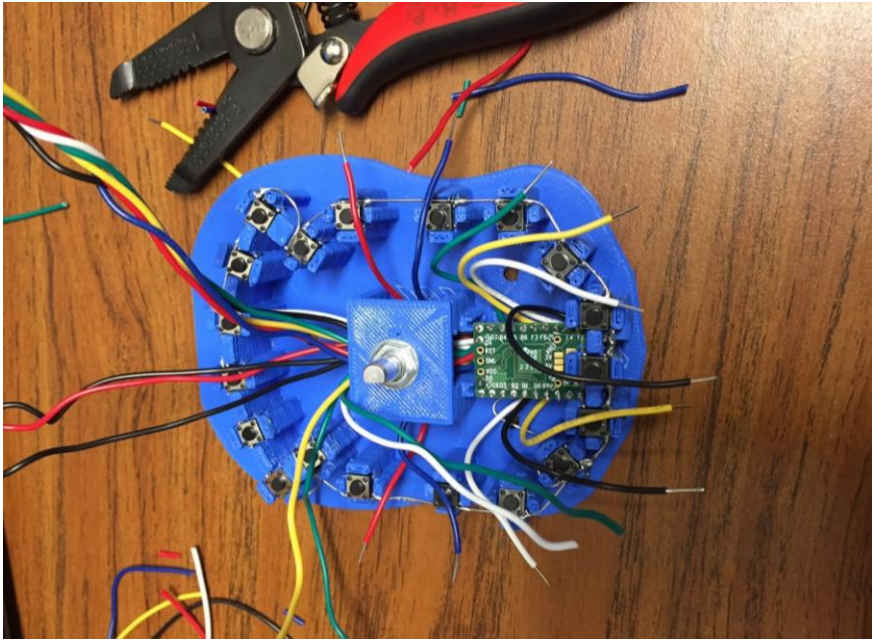
# Schedule Validation – Steel Actual



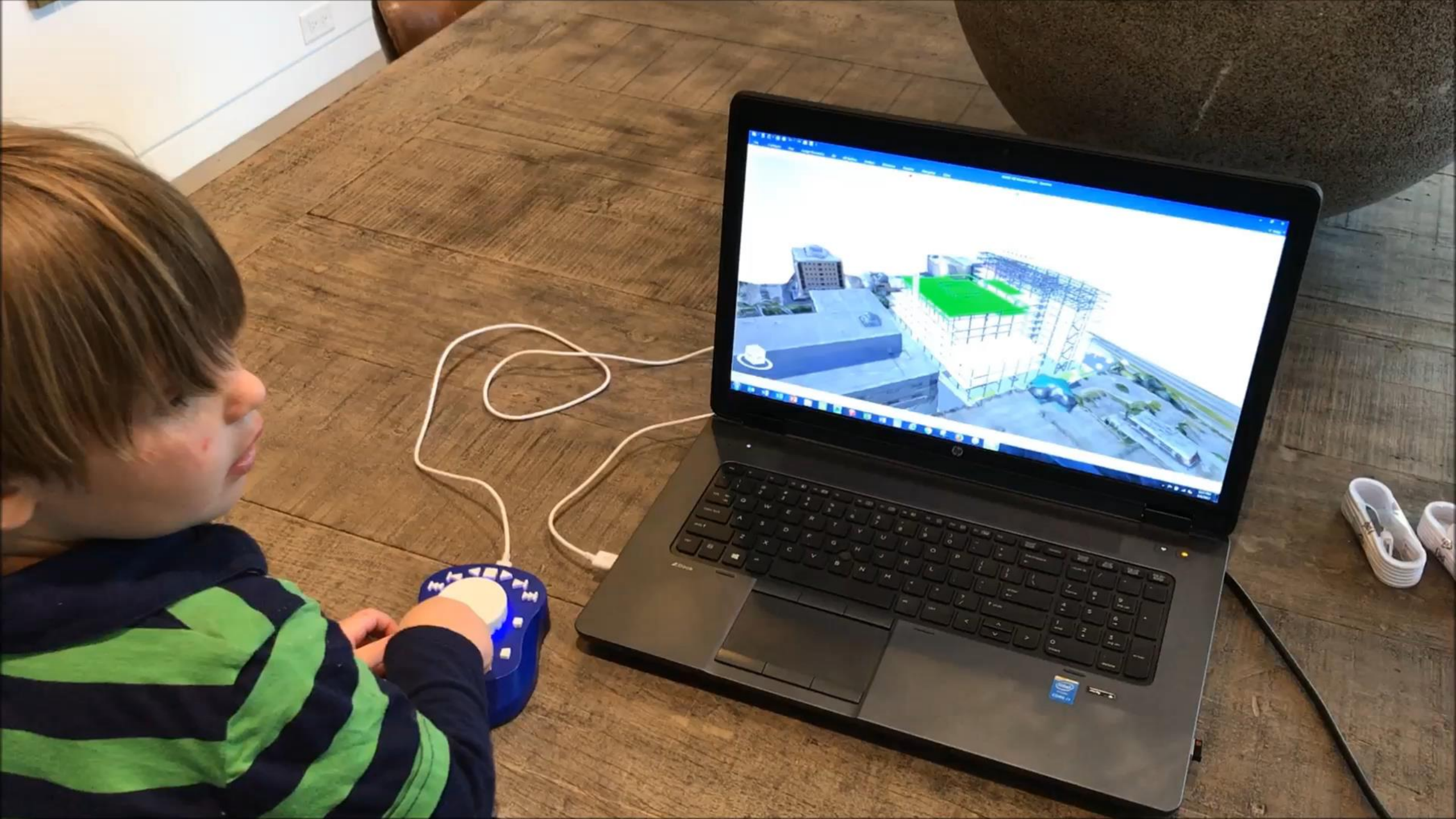


Apr			May			Jun			Jul			Aug			Sep			Oct			Nov			Dec			Jan 2017			Feb			Mar			Apr			May			Jun			Jul			Aug			Sep			Oct			Nov			Dec			Jan 2018			Feb			Mar			Apr			May			Jun			Jul		
wk -42			wk -37			wk -33			wk -28			wk -24			wk -20			wk -15			wk -11			wk -7			wk -2			wk 3			wk 7			wk 12			wk 16			wk 20			wk 25			wk 29			wk 33			wk 38			wk 42			wk 47			wk 51			wk 55			wk 59			wk 64			wk 68			wk 72					





# Time Machine Controller



# Customer Feedback:

- Awesome Concept!
- Easy to use
- Clunky Design
- Large Form Factor
- Loud Buttons
- Driver Issues
- Corded
- Fragile USB Connection





# TimeMachine 2.0

- Awesome Concept!
- Easy to use
- Sleek Design
- One-Handed Use
- Quiet Buttons
- Solid Drivers
- Cordless
- Tiny USB Dongle

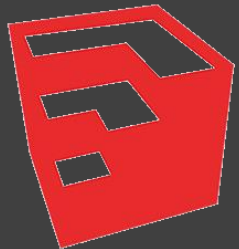
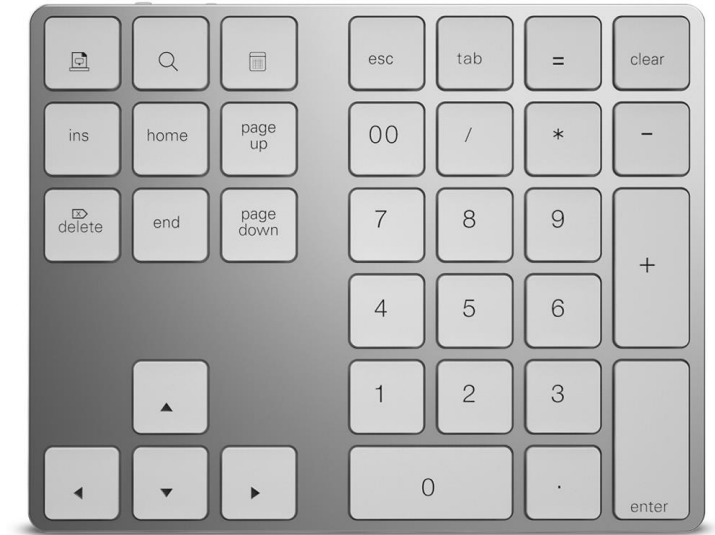






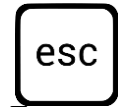


 **Bluetooth™**



# Sketchup Controller

ESC =ESC



Escape

cut =D

Hide

save =CTRL+S



Save

copy =N

Unhide  
Last

delete =DEL



Delete

paste =U

Unhide  
All

2nd =2<sup>nd</sup> function

2nd

Zoom (x) =Z



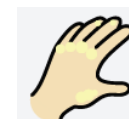
x

Orbit (/) =O



/

Pan (,) =H



,

Line (') =L



'

Rectangle (") =R



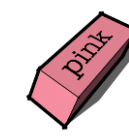
"

Circle (m) =C



m

Eraser (cm) =E



cm

undo =ALT+BACKSPACE



Undo

Select all =G

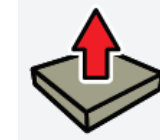
Make  
Component

redo =CTRL+Y



Redo

Push/Pull (7) =P



7

Scale (8) =S



8

Offset (9) =F

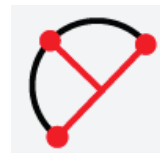


9

SHIFT =SHIFT

SHIFT

Arc (4) =A



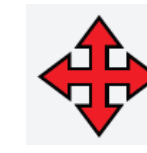
4

Rotate (5) =Q



5

Move (6) =M



6

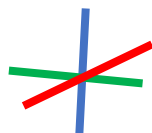
ENTER =ENTER

Enter

Green Axis =LEFT  
ARROW



Constrain =SHIFT



Red Axis =RIGHT  
ARROW



Select (1) =SPACEBAR



1

Paint (2) =B



2

Measure (3) =T



3

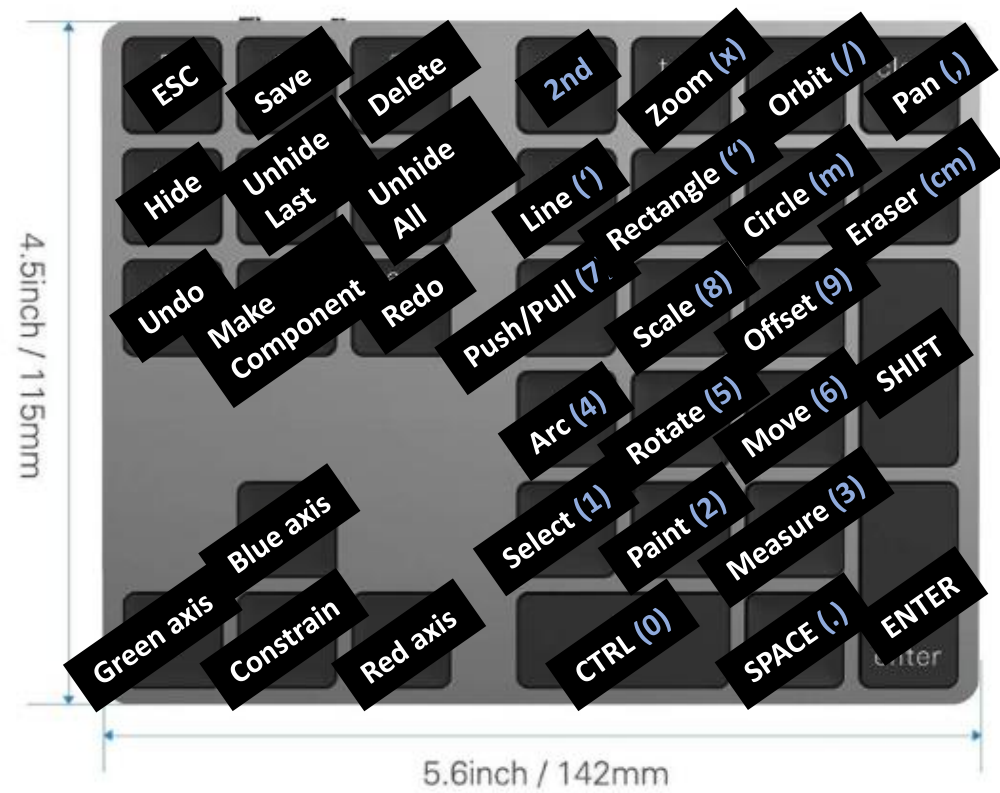
CTRL (0) =CTRL

CTRL  
0

Space (.) =SPACEBAR



.





## SketchPad for SketchUp

Take control of SketchUp and maximize your efficiency with this physical keypad.



**\$3,991**

pledged of \$8,500 goal

**50**

backers

### Funding Unsuccessful

The project's funding goal was not reached on Fri,  
November 29 2019 2:29 PM CST

 **Last updated** November 29, 2019





# Next Steps

- Mac and PC Variants, Revised Layout
- Shortcut Controllers for Additional Software Products
- Virtual Shortcut Controller App





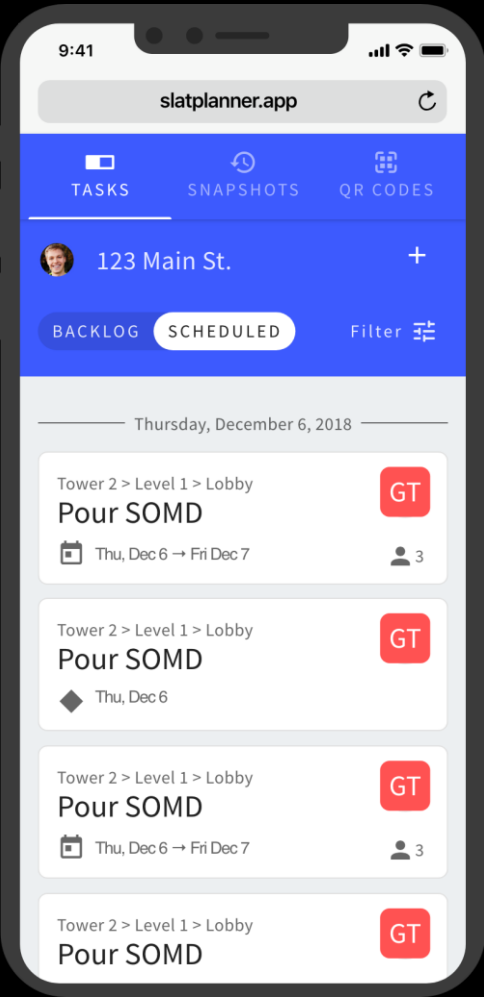
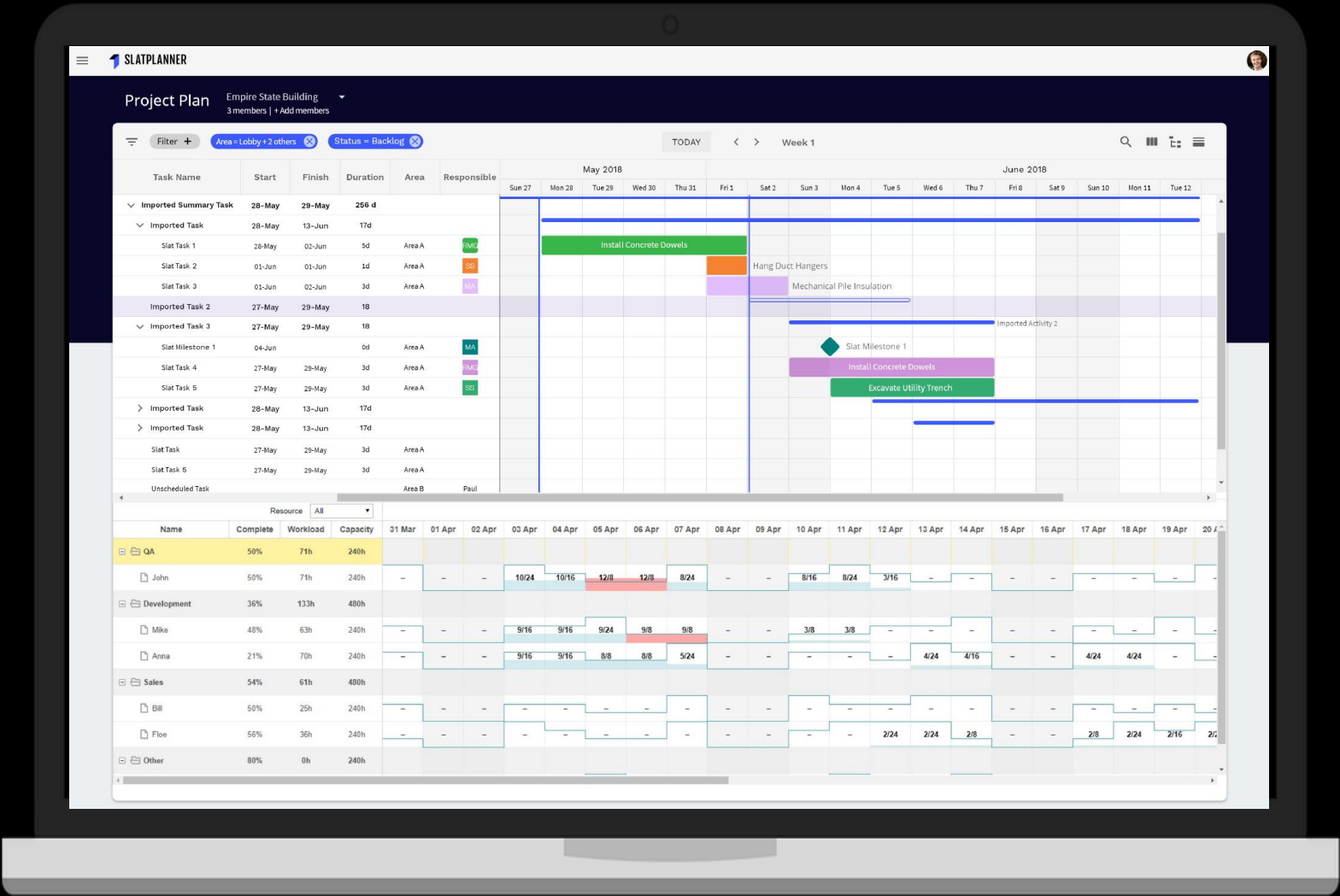
# Physical...

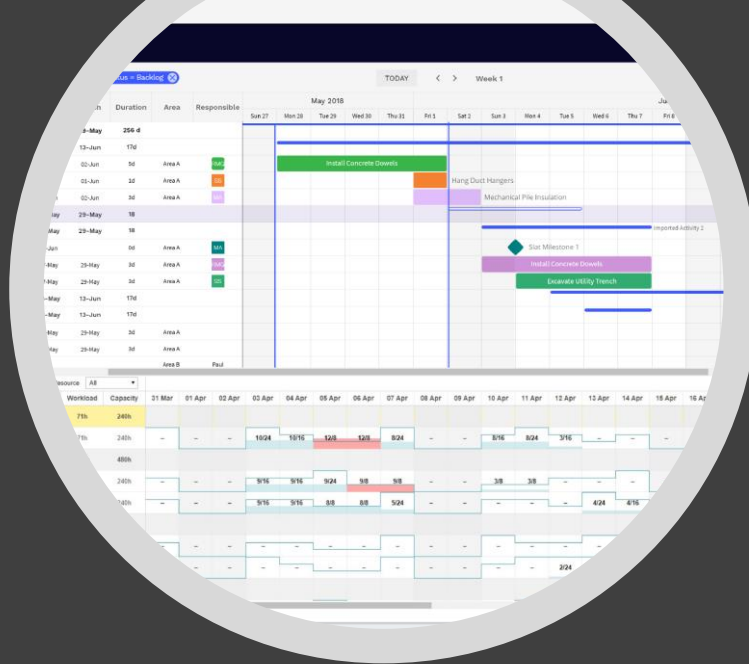
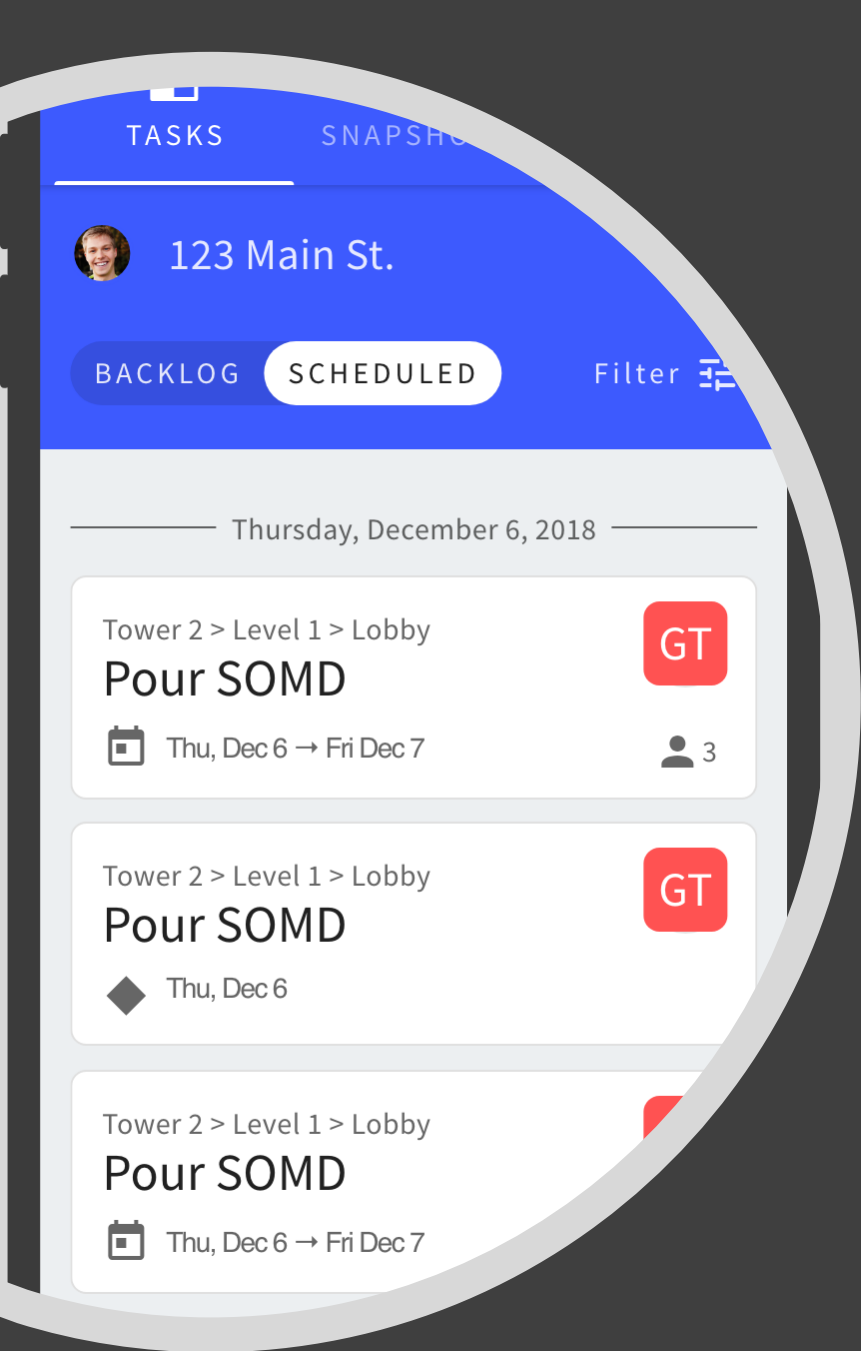


# SLATPLANNER



# Digital...

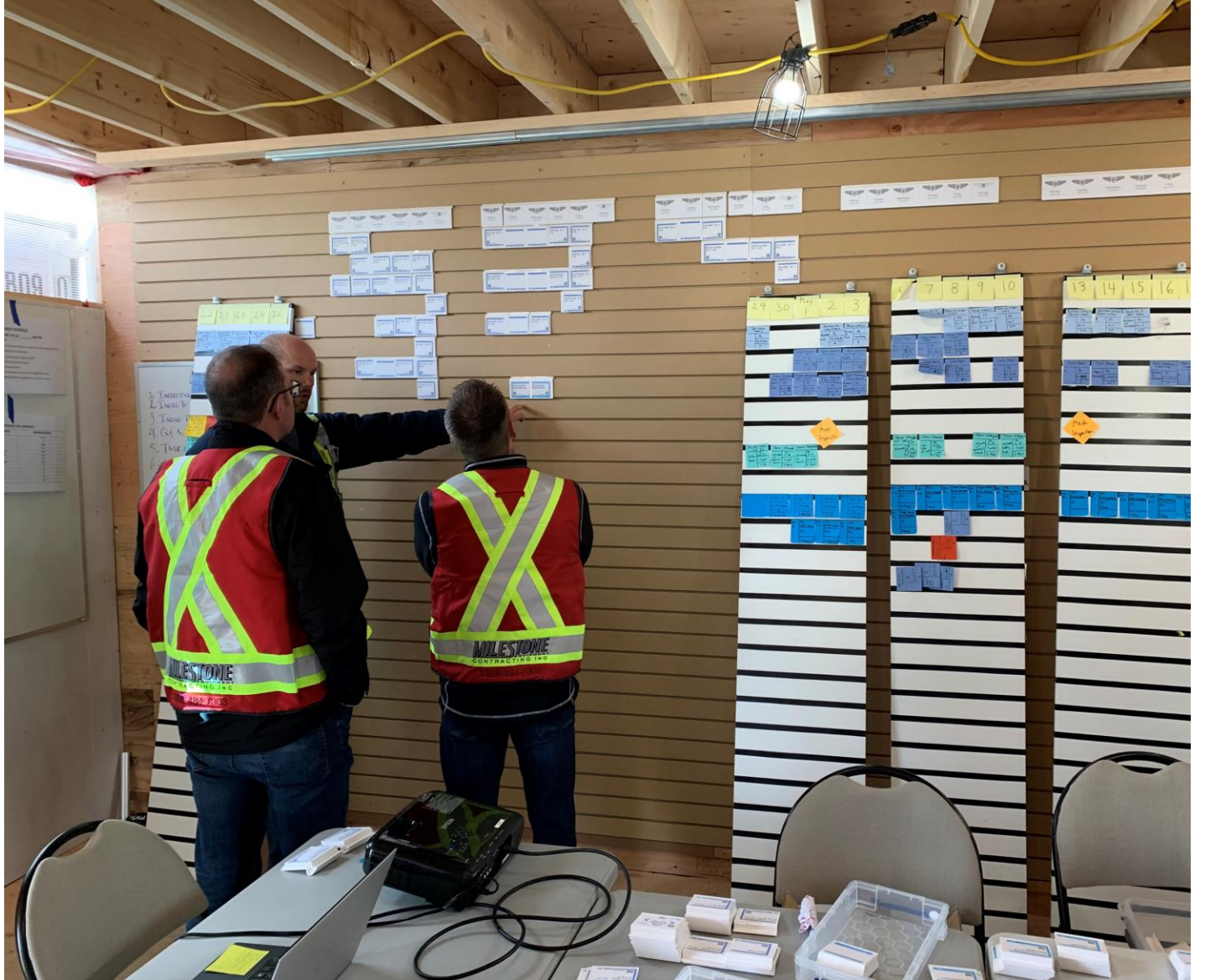




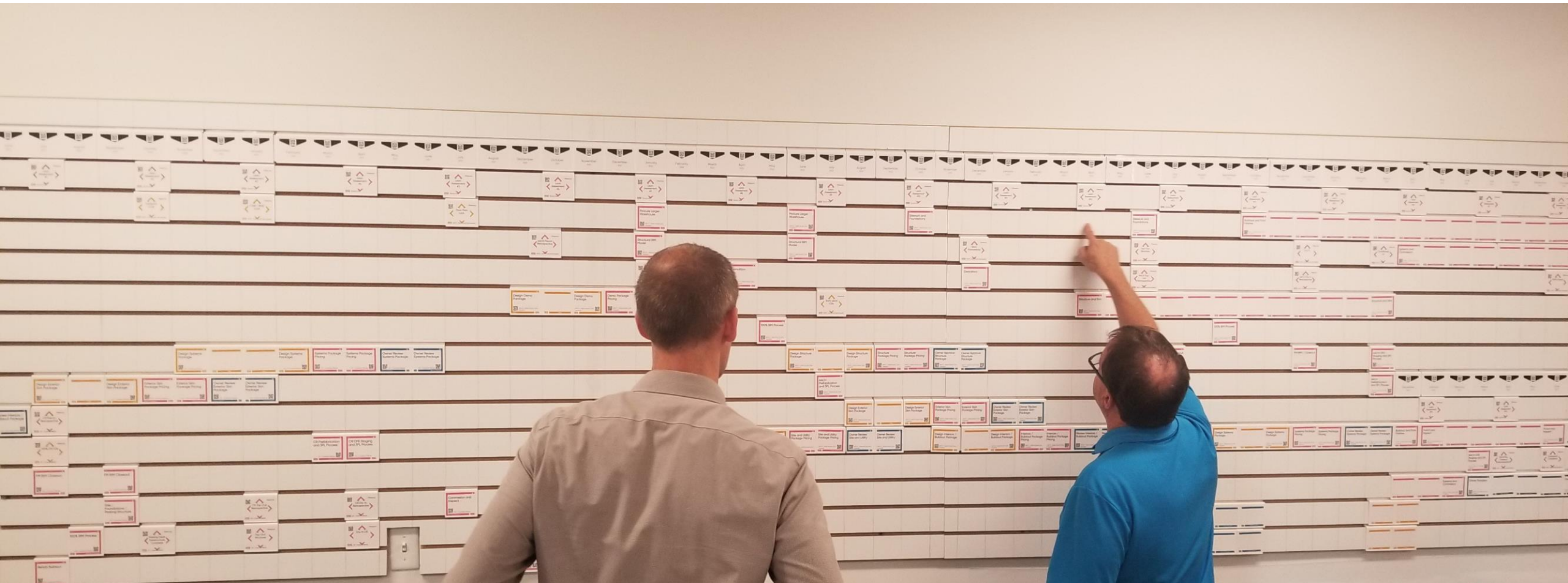
# SlatPlanner

The Best of Both Worlds.









• Contractual terms

• PSMP ← Patient Storying Community (PSC) (Story)



1. 2 way communication
  - document
  - no surprise
  - consensus
2. Have a meeting
  - monthly
3. Planning Learning
  - monthly agenda
  - Talk & Talk

4. Inspiring Functionality
  - develop & implement a Project
  - Specific Mission, Vision & Value
  - Achieve ↑
5. Engage Community
  - Assessment of the Project
  - Marketing Plan
  - monthly events
  - meeting MBE targets
  - through Design, Construction & of
  - Impact to Current Campus
6. Engage AHJ's
  - create partnerships
  - regular communication
  - and Pre-let Sign-offs



# SlatPlanner

Putting the Last Planner First









# Plan. Build. Measure.

We make **construction technology** products for your team, large or small. Our products help executives to laymen collaboratively plan, understand, communicate, and measure their projects and performance.



Sticky Notes without the stick

PLAN TO GET PHYSICAL



A new way to see schedules

THIS IS SO CRITICAL



To reflect is good, it could be better

GIVE FEEDBACK



Navigate 3D models like a ~~pro~~ kid.

THIS IS NOT A GAME



# Proposed R&M Employee Innovation Structure



## Proposal Generation

Idea owners produce formal A3's with guidance and support from the innovation team.



## Idea Incubator

Website set up to share and discuss problems and solutions. Ideas are initially registered here.



## Profit/Savings Sharing

The idea owner then receives either a portion of future profits/savings or a bonus, if the product is successful.

## Committee Review

A rotating group reviews proposals and decides which are ready to move forward.



*This structure provides an avenue and incentive for anyone to propose ideas, take ownership, and lead their ideas from inception to implementation. Enabling and supporting our people's ideas will increase engagement and spawn industry-leading innovation.*

## Project Funding

Funding is provided to bring the prototype to a viable product state.



## Petition/nominations

As testing concludes, a predetermined number of nominations from R&M users is necessary to obtain full funding.



## Prototyping Grant

The committee allocates funds and an initial prototype is built.



## Testing Period

The prototype is tested on volunteer pilot projects, which were listed in the proposal stage.

## Testing





# Innovation Lab

A center of innovation for R&M

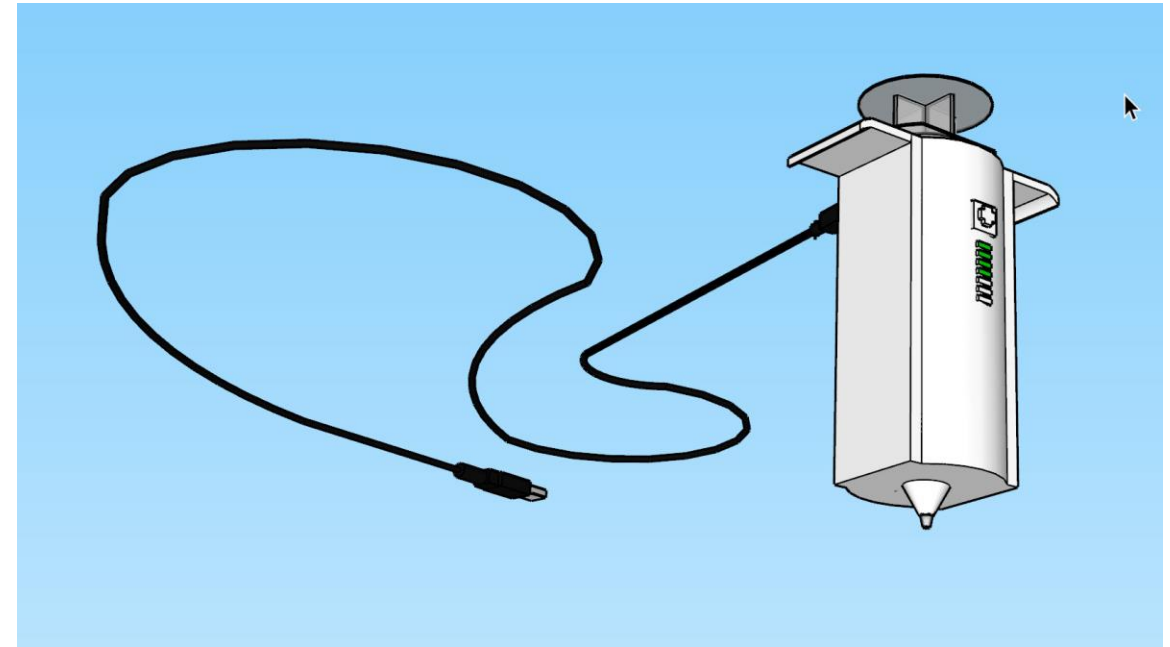
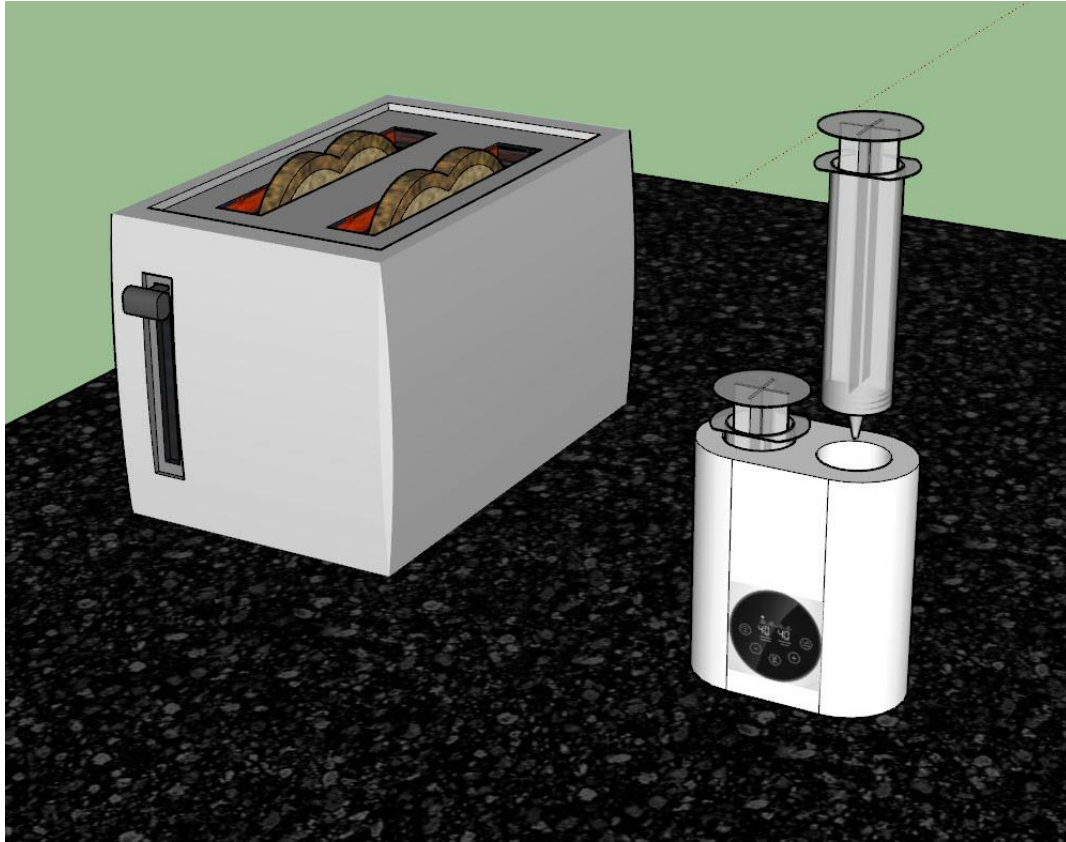






# Chocolate Glue Gun

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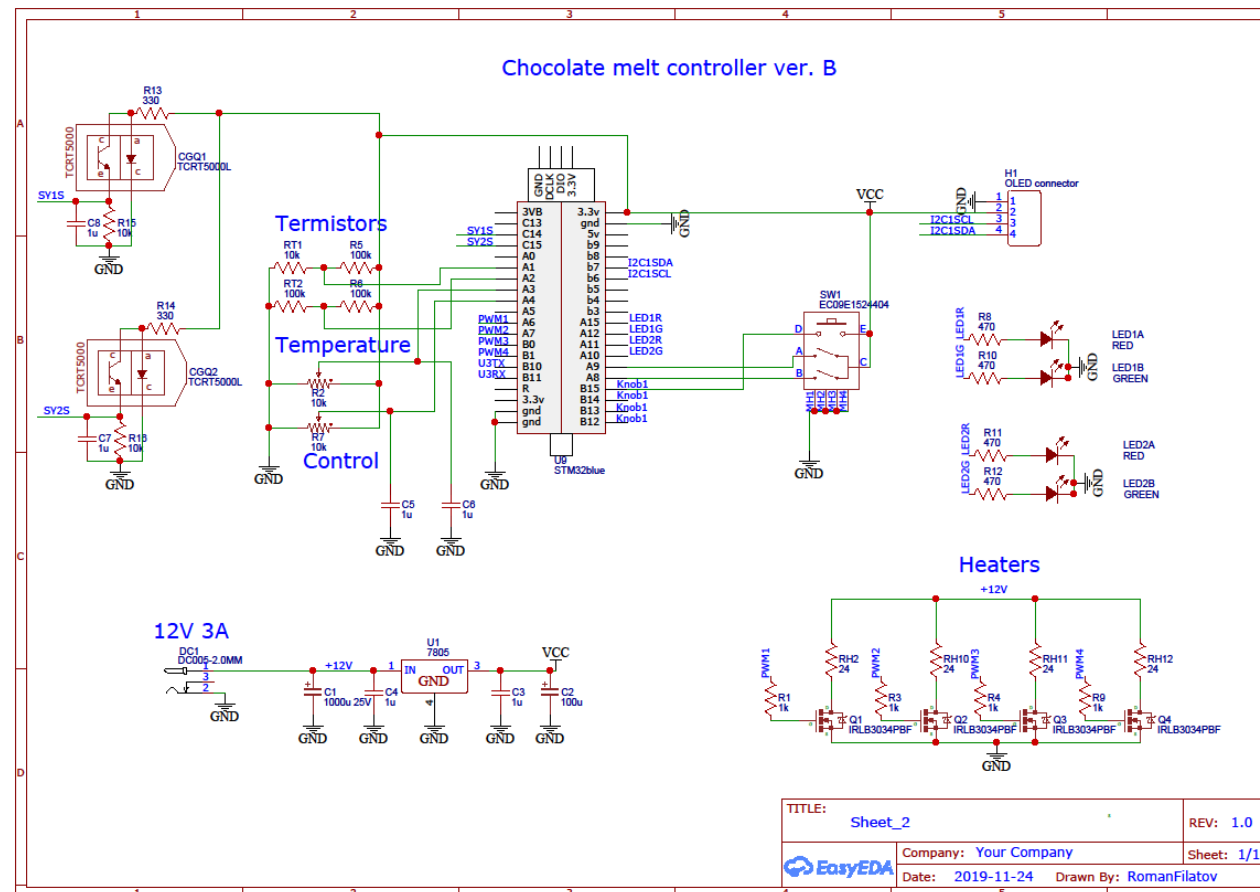


# Chocolate Glue Gun

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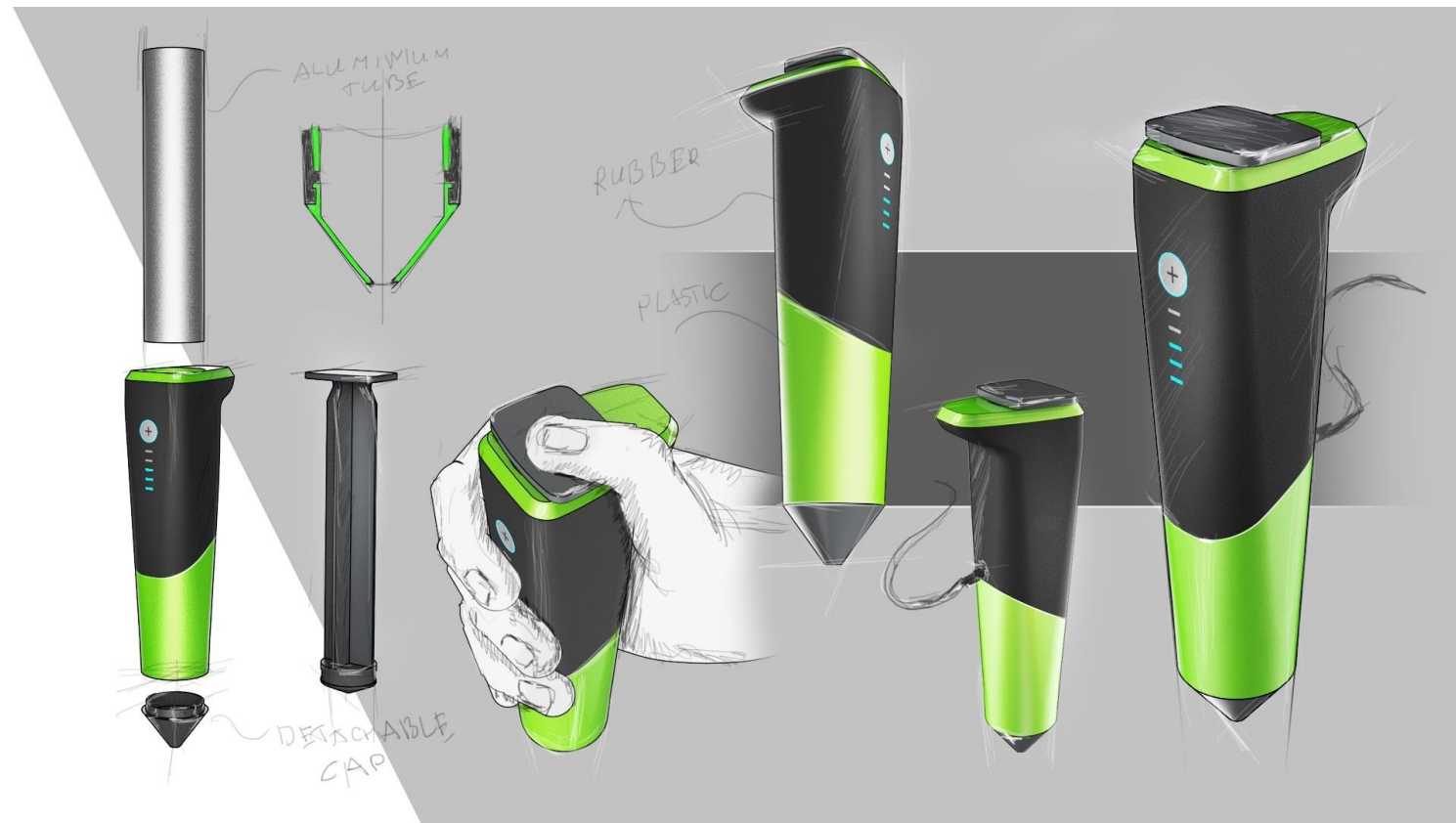
# Chocolate Glue Gun



# Chocolate Glue Gun



# Chocolate Glue Gun



# Chocolate Glue Gun

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Sneak Peak



# Scheduling Tool

Revolutionary Simplicity

# Primavera P6

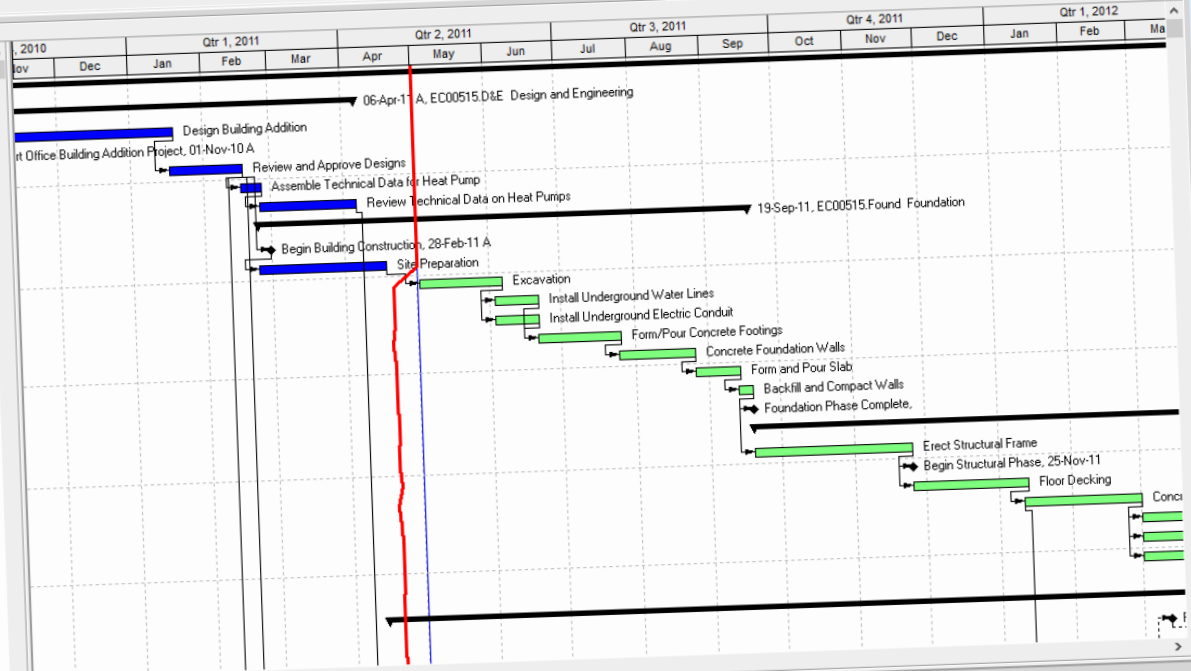
Primavera P6 Professional 17: EC00515 (City Center Office Building Addition)

File Edit View Project Enterprise Tools Admin Help

## Activities

### Projects Activities

Layout: Classic Schedule Layout			Filter: All Activities		Schedule %		Start	Finish	Total Float
Activity ID	Activity Name	Original Duration	Remaining Duration	% Complete					
EC00515 City Center Office Bu									
EC00515.D&E Design and Engi									
EC1000	Design Building Addition	55	0	100%	01-Nov-10	19-Jan-11			
EC1010	Start Office Building Addition	0	0	100%	01-Nov-10				
EC1030	Review and Approve Design	22	0	100%	17-Jan-11	17-Feb-11			
EC1050	Assemble Technical Data for	7	0	100%	16-Feb-11	25-Feb-11			
EC1160	Review Technical Data on	27	0	100%	24-Feb-11	06-Apr-11			
EC00515.Found Foundation									
EC1090	Begin Building Construction	0	0	100%	28-Feb-11				
EC1100	Site Preparation	43	0	100%	23-Feb-11	18-Apr-11			
EC1230	Excavation	24	24	41.67%	02-May-11	06-Jun-11			12
EC1320	Install Underground Water Li	12	12	0%	03-Jun-11	21-Jun-11			12
EC1330	Install Underground Electric	12	12	0%	03-Jun-11	21-Jun-11			12
EC1340	Form/Pour Concrete Footing	24	24	0%	21-Jun-11	26-Jul-11			12
EC1350	Concrete Foundation Walls	24	24	0%	25-Jul-11	26-Aug-11			12
EC1360	Form and Pour Slab	12	12	0%	26-Aug-11	14-Sep-11			12
EC1370	Backfill and Compact Walls	5	5	0%	13-Sep-11	19-Sep-11			12
EC1380	Foundation Phase Complete	0	0	0%	19-Sep-11	20-Apr-12			306
EC00515.Structure Structure									
EC1390	Erect Structural Frame	48	48	0%	19-Sep-11	25-Nov-11			1
EC1410	Begin Structural Phase	0	0	0%	25-Nov-11				4
EC1420	Floor Decking	34	34	0%	25-Nov-11	13-Jan-12			1
EC1430	Concrete First Floor	36	36	0%	11-Jan-12	01-Mar-12			1
EC1460	Erect Stairwell and Elevator	24	24	0%	01-Mar-12	04-Apr-12			1
EC1470	Concrete Basement Slab	24	24	0%	01-Mar-12	04-Apr-12			1
EC1480	Concrete Second Floor	36	36	0%	01-Mar-12	20-Apr-12			1
EC1540	Structure Complete	0	0	0%		20-Apr-12			1
EC00515.Mechanicals Mechani									
EC1490	Rough-In Phase Begins	0	0	0%	12-Mar-12				
EC1690	Rough In Complete	0	0	0%		05-Feb-13			



General Status Resources Predecessors Successors Feedback

Activity EC1370

Backfill and Compact Walls

Activity Type

Task Dependent

WBS

EC00515.Found Foundation

Duration Type

Fixed Duration and Units/Time

Responsible Manager

E&C

% Complete Type

Physical

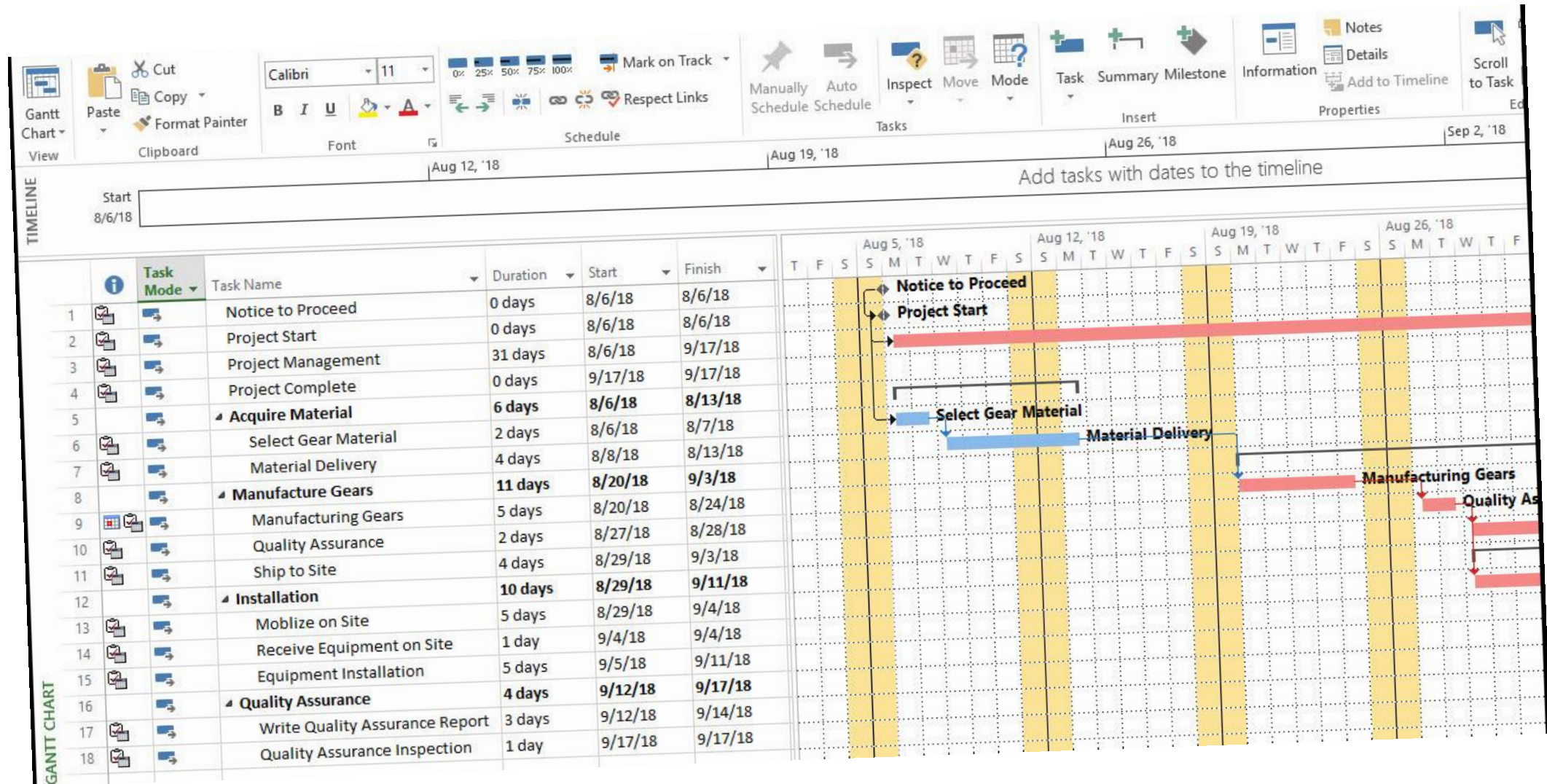
Activity Calendar

Trades - 5 Day Workweek

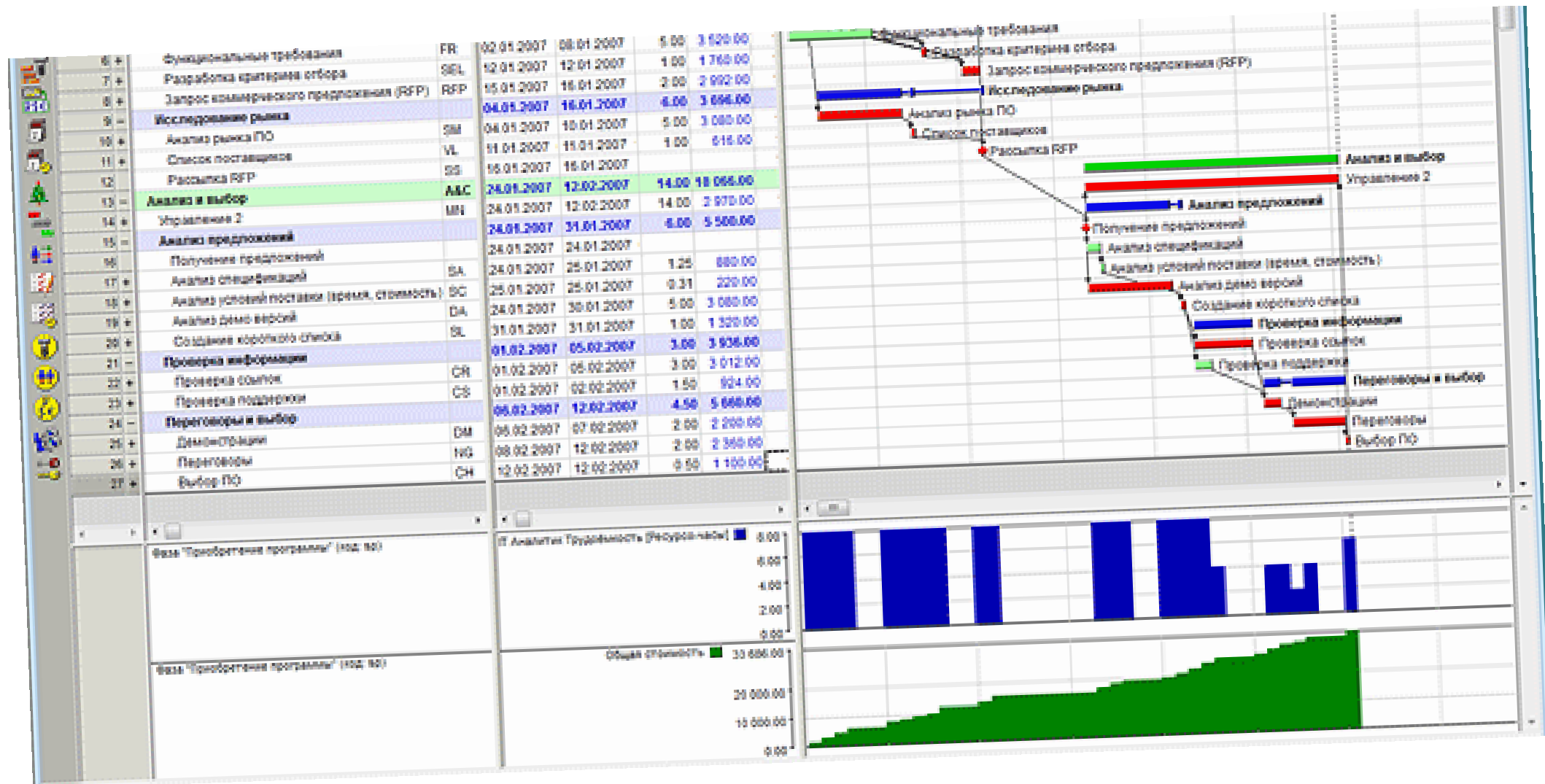
Primary Resource

Exc Excavator

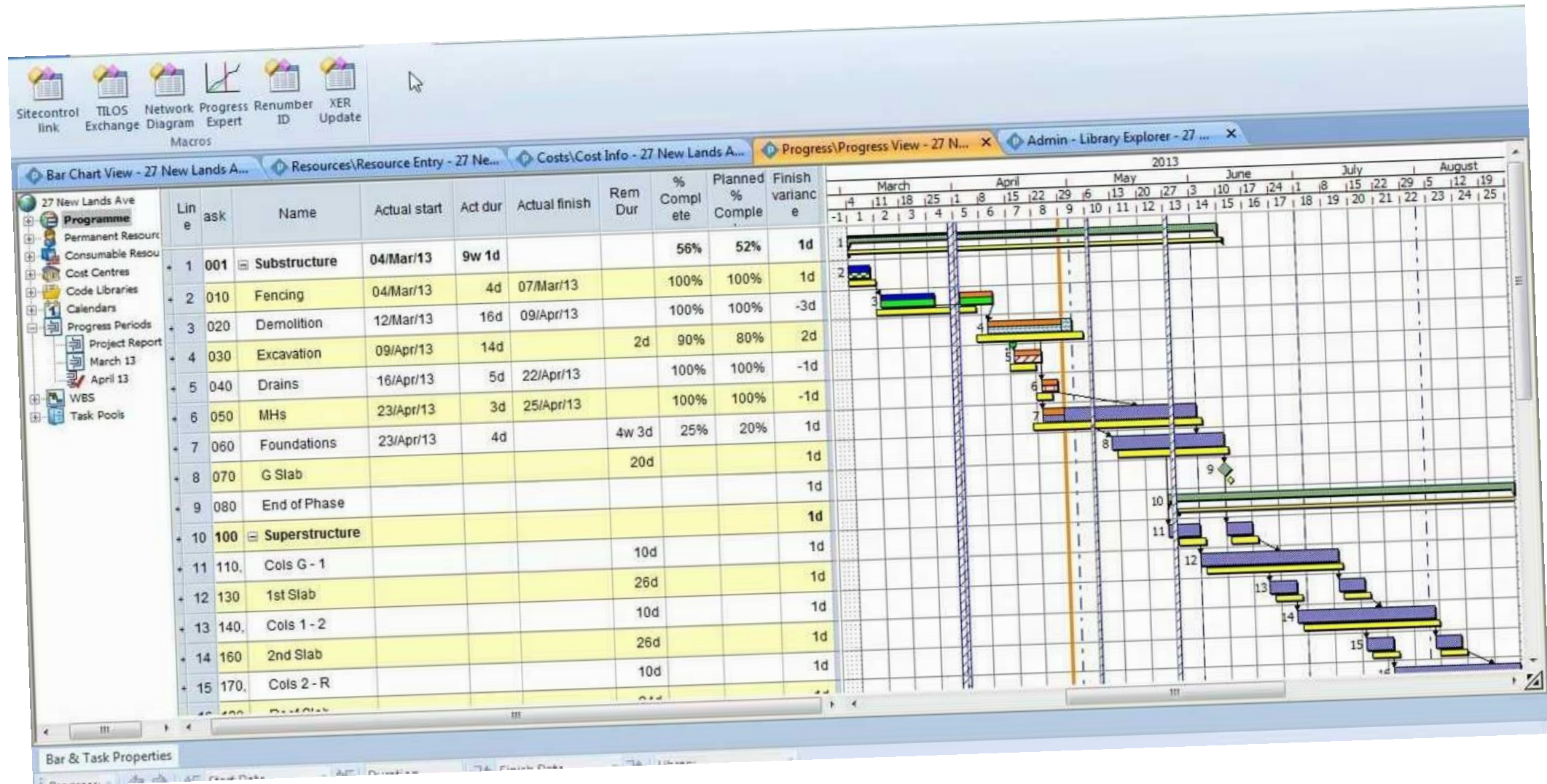
# Microsoft Project



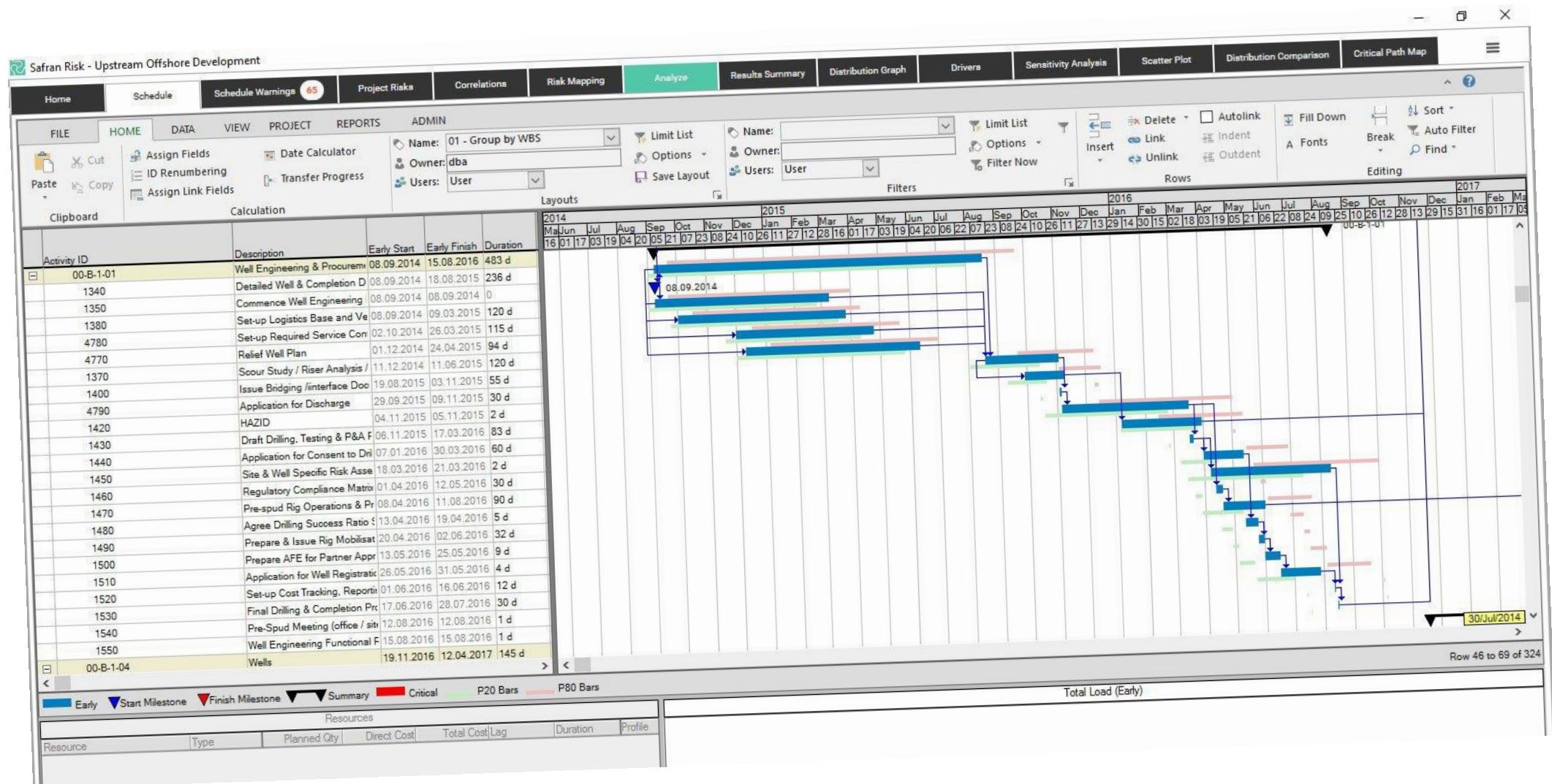
# Spider Project



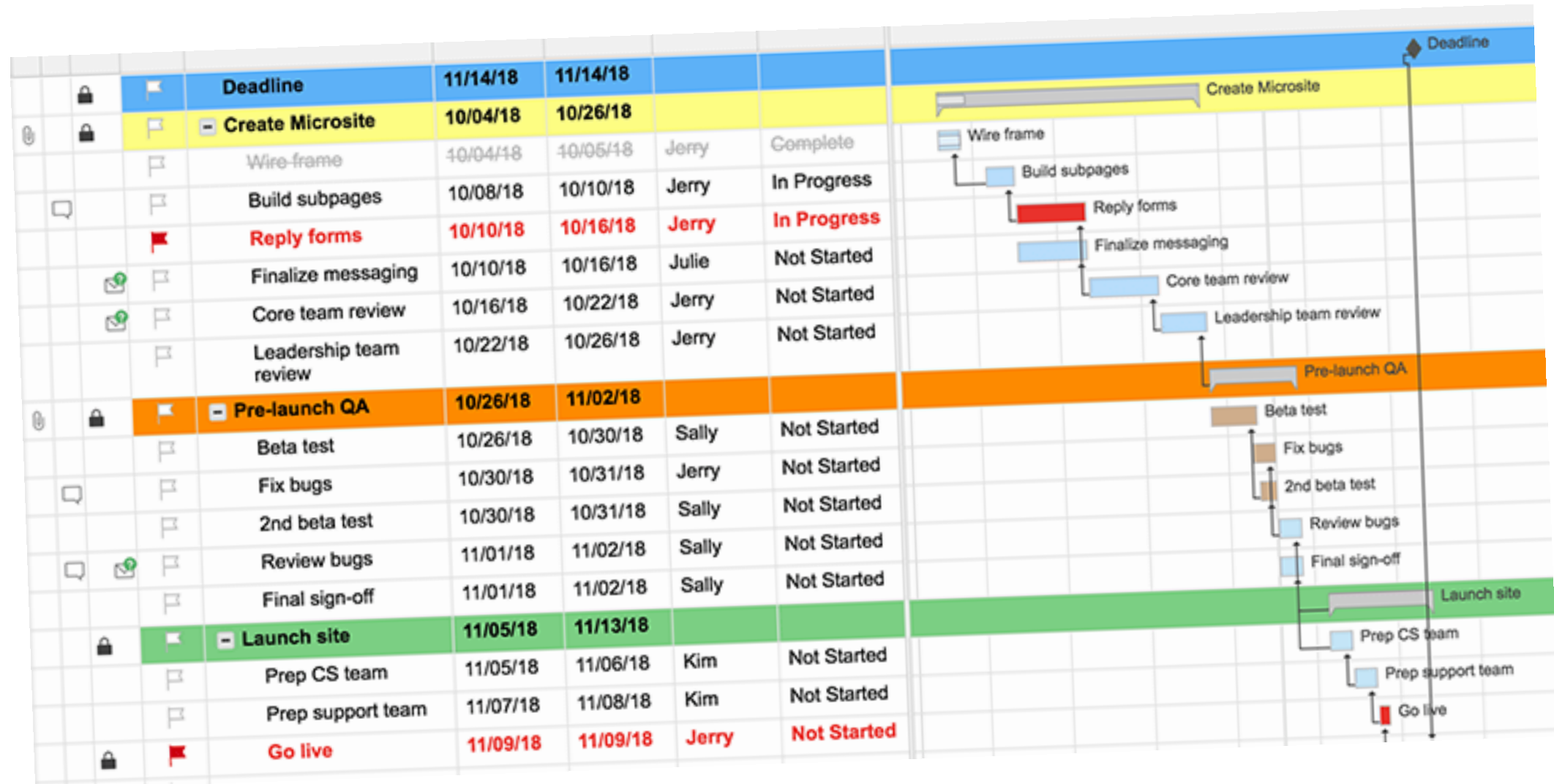
# Asta Power Project



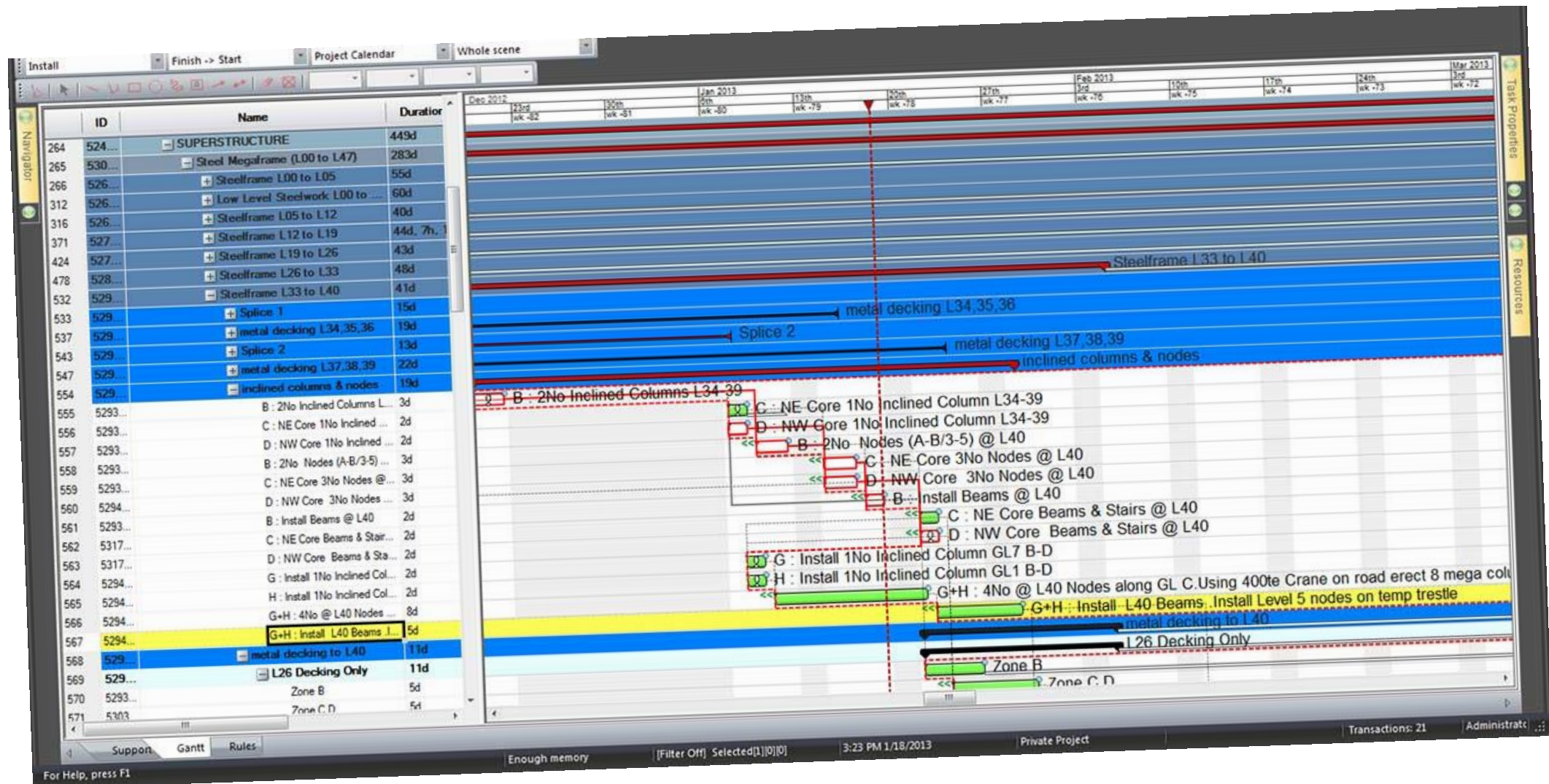
## Safran Scheduler



# SmartSheet



# Synchro Scheduler



File

Plan

Assign Resources

3D

4D Review

Project Controls

Reports

Windows

Navigator

Box

Extrusion

Manipulator with snapping to element

Reset

Subdivide

Enable Snapping

Copy

Create

Modify

3D Path

3D Paths

Cutting Plane X

Select All

Invert Selection

Deselect All

Zoom All

Selected Objects

3D Filters

Isolate Selected

Hide Selected

Show All

Load

Unload

Selected Memory

Create 3D

Create Workspace

Transform

Edit

Cutting Planes

Selection

Zoom

Filters

Memory

Install Plain

FS

Project Calendar

Resource

Task

4/17/2024

241

3D Objects

Name
460 Faces - Layer0
461 Group
462 Group
463 Faces - Layer0
464 Group
465 Group
466 Group
467 Faces - Layer0
468 Group
469 <DSV>
470 <DSV>
471 <DSV>
472 <DSV>
473 Group
474 Group
475 Group
476 Group
477 Faces - Layer0
478 Group
479 Group
480 Group
481 Group
482 Faces - Lay...
483 Group
484 Faces - Lay...
485 Group
486 Group
487 Faces - Lay...
488 Group
489 Faces - Lay...
490 Group
491 Group
492 Faces - Lay...
493 Group
494 Faces - Lay...

I.	Name	Duration	Start	Finish
2	ST... GC Selection	0d		10/1/2019 (*)
6	ST... Align / Validate	0d	12/2/2019	
4	ST... Enabling Package	0d		1/1/2020 (*)
7	ST... Select Critical Tr...	0d	1/2/2020	
3	ST... Site and Utility D...	0d		4/1/2020 (*)
5	ST... Foundation, Stru...	0d		6/1/2020 (*)
8	ST... Crystal Spring T...	1227d	9/19/2019	5/31/2024 (8...
9	ST... Milestones	1042d	6/3/2020	5/31/2024 (5...
11	ST... Complete Pum...	0d		6/3/2020
13	ST... Complete Ena...	0d		9/4/2020
14	ST... Start Deep Fou...	0d	11/5/2020	
17	ST... Start Concrete ...	0d	3/5/2021	
12	ST... 100% Coordin...	0d		6/30/2021
19	ST... Start Steel Pac...	0d	2/3/2022	
20	ST... Start Skin	0d	10/5/2022	
18	ST... Exposed / Sem...	0d		10/5/2022
21	ST... Start Buildout	0d	10/6/2022	
10	ST... Semi-Exposed ...	0d		5/24/2023
15	ST... Conditioned Air	0d		6/6/2023
16	ST... Controlled Air	0d		12/6/2023
22	ST... Finish by 5/2024	0d		5/31/2024 (*) 58
23	ST... Construction	1185d	9/19/2019	4/3/2024 (8...
38	ST... Relocate Pump...	185d	9/19/2019	6/3/2020
35	ST... Align and Valid...	43d	10/2/2019	11/29/2019
36	ST... Select Team	130d	12/2/2019	5/29/2020
24	ST... Relocated ED ...	108d	1/1/2020	5/29/2020
37	ST... Prefabricate Ut...	42d	1/2/2020	2/28/2020
45	ST... Divert Spring ...	42d	1/2/2020	2/28/2020
40	ST... Sheet Shoring	22d	3/10/2020	4/8/2020
39	ST... Grade New Lo...	22d	4/9/2020	5/8/2020
41	ST... Remove ED Lo...	10d	5/6/2020	5/19/2020 864
43	ST... Ambulance Ba...	15d	5/6/2020	5/26/2020 151
42	ST... Additional Amb...	5d	5/27/2020	6/2/2020 70
44	ST... Relocate Utiliti...	45d	6/1/2020	7/31/2020
46	ST... Demo & De-W...	25d	8/3/2020	9/4/2020
56	ST... Grade & Under...	43d	9/7/2020	11/4/2020 9
57	ST... Deep Foundati...	86d	11/5/2020	3/4/2021

Jan 2020

Jan 2021

Oct wk 4

Apr wk 17

Jul wk 30

Oct wk 43

Jan wk 56

Apr wk 69

Jul wk 82

Oct wk 95

Jan wk 108

Apr wk 121

Jul wk 134

Oct wk 147

Jan wk 160

Apr wk 173

Jul wk 186

Oct wk 199

Jan wk 212

Apr wk 225

Jul wk 238

Oct wk 251

Jan wk 264

Apr wk 277

Jul wk 290

Oct wk 303

Jan wk 316

Apr wk 329

Jul wk 342

Oct wk 355

Jan wk 368

Apr wk 381

Jul wk 394

Oct wk 407

Jan wk 420

Apr wk 433

Jul wk 446

Oct wk 459

Jan wk 472

Apr wk 485

Jul wk 498

Oct wk 511

Jan wk 524

Apr wk 537

Jul wk 550

Oct wk 563

Jan wk 576

Apr wk 589

Jul wk 602

Oct wk 615

Jan wk 628

Apr wk 641

Jul wk 654

Oct wk 667

Jan wk 680

Apr wk 693

Jul wk 706

Oct wk 719

Jan wk 732

Apr wk 745

Jul wk 758

Oct wk 771

Jan wk 784

Apr wk 797

Jul wk 810

Oct wk 823

Jan wk 836

Apr wk 849

Jul wk 862

Oct wk 875

Jan wk 888

Apr wk 901

Jul wk 914

Oct wk 927

Jan wk 940

Apr wk 953

Jul wk 966

Oct wk 979

Jan wk 992

Apr wk 1005

Jul wk 1018

Oct wk 1031

Jan wk 1044

Apr wk 1057

Jul wk 1070

Oct wk 1083

Jan wk 1096

Apr wk 1109

Jul wk 1122

Oct wk 1135

Jan wk 1148

Apr wk 1161

Jul wk 1174

Oct wk 1187

Jan wk 1200

Apr wk 1213

Jul wk 1226

Oct wk 1239

Jan wk 1252

Apr wk 1265

Jul wk 1278

Oct wk 1291

Jan wk 1304

Apr wk 1317

Jul wk 1330

Oct wk 1343

Jan wk 1356

Apr wk 1369

Jul wk 1382

Oct wk 1395

Jan wk 1408

Apr wk 1421

Jul wk 1434

Oct wk 1447

Jan wk 1460

Apr wk 1473

Jul wk 1486

Oct wk 1499

Jan wk 1512

Apr wk 1525

Jul wk 1538

Oct wk 1551

Jan wk 1564

Apr wk 1577

Jul wk 1590

Oct wk 1603

Jan wk 1616

Apr wk 1629

Jul wk 1642

Oct wk 1655

Jan wk 1668

Apr wk 1681

Jul wk 1694

Oct wk 1707

Jan wk 1720

Apr wk 1733

Jul wk 1746

Oct wk 1759

Jan wk 1772

Apr wk 1785

Jul wk 1798

Oct wk 1811

Jan wk 1824

Apr wk 1837

Jul wk 1850

Oct wk 1863

Jan wk 1876

Apr wk 1889

Jul wk 1902

Oct wk 1915

Jan wk 1928

Apr wk 1941

Jul wk 1954

Oct wk 1967

Jan wk 1980

Apr wk 1993

Jul wk 2006

Oct wk 2019

Jan wk 2032

Apr wk 2045

Jul wk 2058

Oct wk 2071

Jan wk 2084

Apr wk 2097

Jul wk 2110

Oct wk 2123

Jan wk 2136

Apr wk 2149

Jul wk 2162

Oct wk 2175

Jan wk 2188

Apr wk 2201

Jul wk 2214

Oct wk 2227

Jan wk 2240

Apr wk 2253

Jul wk 2266

Oct wk 2279

Jan wk 2292

Apr wk 2305

Jul wk 2318

Oct wk 2331

Jan wk 2344

Apr wk 2357

Jul wk 2370

Oct wk 2383

Jan wk 2396

Apr wk 2409

Jul wk 2422

Oct wk 2435

Jan wk 2448

Apr wk 2461

Jul wk 2474

Oct wk 2487

Jan wk 2500

Apr wk 2513

Jul wk 2526

Oct wk 2539

Jan wk 2552

Apr wk 2565

Jul wk 2578

Oct wk 2591

Jan wk 2604

Apr wk 2617

Jul wk 2630

Oct wk 2643

Jan wk 2656

Apr wk 2669

Jul wk 2682

Oct wk 2695

Jan wk 2708

Apr wk 2721

Jul wk 2734

Oct wk 2747

Jan wk 2760

Apr wk 2773

Jul wk 2786

Oct wk 2799

Jan wk 2812

Apr wk 2825

Jul wk 2838

Oct wk 2851

Jan wk 2864

Apr wk 2877

Jul wk 2890

Oct wk 2903

Jan wk 2916

Apr wk 2929

Jul wk 2942

Oct wk 2955

Jan wk 2968

Apr wk 2981

Jul wk 2994

Oct wk 3007

Jan wk 3020

Apr wk 3033

Jul wk 3046

Oct wk 3059

Jan wk 3072

Apr wk 3085

Jul wk 3098

Oct wk 3111

Jan wk 3124

Apr wk 3137

Jul wk 3150

Oct wk 3163

Jan wk 3176

Apr wk 3189

Jul wk 3202

Oct wk 3215

Jan wk 3228

Apr wk 3241

Jul wk 3254

Oct wk 3267

Jan wk 3280

Apr wk 3293

Jul wk 3306

Oct wk 3319

Jan wk 3332

Apr wk 3345

Jul wk 3358

Oct wk 3371

Jan wk 3384

Apr wk 3397

Jul wk 3410

Oct wk 3423

Jan wk 3436

Apr wk 3449

Jul wk 3462

Oct wk 3475

Jan wk 3488

Apr wk 3501

Jul wk 3514

Oct wk 3527

Jan wk 3540

Apr wk 3553

Jul wk 3566

Oct wk 3579

Jan wk 3592

Apr wk 3605

Jul wk 3618

Oct wk 3631

Jan wk 3644

Apr wk 3657

Jul wk 3670

Oct wk 3683

Jan wk 3696

Apr wk 3709

Jul wk 3722

Oct wk 3735

Jan wk 3748

Apr wk 3761

Jul wk 3774

Oct wk 3787

Jan wk 3800

Apr wk 3813

Jul wk 3826

Oct wk 3839

Jan wk 3852

Apr wk 3865

Jul wk 3878

Oct wk 3891

Jan wk 3904

Apr wk 3917

Jul wk 3930

Oct wk 3943

Jan wk 3956

Apr wk 3969

Jul wk 3982

Oct wk 3995

Jan wk 4008

Apr wk 4021

Jul wk 4034

Oct wk 4047

Jan wk 4060

Apr wk 4073

Jul wk 4086

Oct wk 4099

Jan wk 4112

Apr wk 4125

Jul wk 4138

Oct wk 4151

Jan wk 4164

Apr wk 4177

Jul wk 4190

Oct wk 4203

Jan wk 4216

Apr wk 4229

Jul wk 4242

Oct wk 4255

Jan wk 4268

Apr wk 4281

Jul wk 4294

Oct wk 4307

Jan wk 4320

Apr wk 4333

Jul wk 4346

Oct wk 4359

Jan wk 4372

Apr wk 4385

Jul wk 4398

Oct wk 4411

Jan wk 4424

Apr wk 4437

Jul wk 4450

Oct wk 4463

Jan wk 4476

Apr wk 4489

Jul wk 4502

Oct wk 4515

Jan wk 4528

Apr wk 4541

Jul wk 4554

Oct wk 4567

Jan wk 4580

Apr wk 4593

Jul wk 4606

Oct wk 4619

Jan wk 4632

Apr wk 4645

Jul wk 4658

Oct wk 4671

Jan wk 4684

Apr wk 4697

Jul wk 4710

Oct wk 4723

Jan wk 4736

Apr wk 4749

Jul wk 4762

Oct wk 4775

Jan wk 4788

Apr wk 4801

Jul wk 4814

Oct wk 4827

Jan wk 4840

Apr wk 4853

Jul wk 4866

Oct wk 4879

Jan wk 4892

Apr wk 4905

Jul wk 4918

Oct wk 4931

Jan wk 4944

Apr wk 4957

Jul wk 4970

Oct wk 4983

Jan wk 4996

Apr wk 5009

Jul wk 5022

Oct wk 5035

Jan wk 5048

Apr wk 5061

Jul wk 5074

Oct wk 5087

Jan wk 5100

Apr wk 5113

Jul wk 5126

Oct wk 5139

Jan wk 5152

Apr wk 5165

Jul wk 5178

Oct wk 5191

Jan wk 5204

Apr wk 5217

Jul wk 5230

Oct wk 5243

Jan wk 5256

Apr wk 5269

Jul wk 5282

Oct wk 5295

Jan wk 5308

Apr wk 5321

Jul wk 5334

Oct wk 5347

Jan wk 5360

Apr wk 5373

Jul wk 5386

Oct wk 5399

Jan wk 5412

Apr wk 5425

Jul wk 5438

Oct wk 5451

Jan wk 5464

Apr wk 5477

Jul wk 5490

Oct wk 5503

Jan wk 5516

Apr wk 5529

Jul wk 5542

Oct wk 5555

Jan wk 5568

Apr wk 5581

Jul wk 5594

Oct wk 5607

Jan wk 5620

Apr wk 5633

Jul wk 5646

Oct wk 5659

Jan wk 5672

Apr wk 5685

Jul wk 5698

Oct wk 5711

Jan wk 5724

Apr wk 5737

Jul wk 5750

Oct wk 5763

Jan wk 5776

Apr wk 5789

Jul wk 5802

Oct wk 5815

Jan wk 5828

Apr wk 5841

Jul wk 5854

Oct wk 5867

Jan wk 5880

Apr wk 5893

Jul wk 5906

Oct wk 5919

Jan wk 5932

Apr wk 5945

Jul wk 5958

Oct wk 5971

Jan wk 5984

Apr wk 5997

Jul wk 6010

Oct wk 6023

Jan wk 6036

Apr wk 6049

Jul wk 6062

Oct wk 6075

Jan wk 6088

Apr wk 6101

Jul wk 6114

Oct wk 6127

Jan wk 6140

Apr wk 6153

Jul wk 6166

Oct wk 6179

Jan wk 6192

Apr wk 6205

Jul wk 6218

Oct wk 6231

Jan wk 6244

Apr wk 6257

Jul wk 6270

Oct wk 6283

Jan wk 6296

Apr wk 6309

Jul wk 6322

Oct wk 6335

Jan wk 6348

Apr wk 6361

Jul wk 6374

Oct wk 6387

Jan wk 6400

Apr wk 6413

Jul wk 6426

Oct wk 6439

Jan wk 6452

Apr wk 6465

Jul wk 6478

Oct wk 6491

Jan wk 6504

Apr wk 6517

Jul wk 6530

Oct wk 6543

Jan wk 6556

Apr wk 6569

Jul wk 6582

Oct wk 6595

Jan wk 6608

Apr wk 6621

Jul wk 6634

Oct wk 6647

Jan wk 6660

Apr wk 6673

Jul wk 6686

Oct wk 6699

Jan wk 6712

Apr wk 6725

Jul wk 6738

Oct wk 6751

Jan wk 6764

Apr wk 6777

Jul wk 6790

Oct wk 6803

Jan wk 6816

Apr wk 6829

Jul wk 6842

Oct wk 6855

Jan wk 6868

Apr wk 6881

Jul wk 6894

Oct wk 6907

Jan wk 6920

Apr wk 6933

Jul wk 6946

Oct wk 6959

Jan wk 6972

Apr wk 6985

Jul wk 6998

Oct wk 7011

Jan wk 7024

Apr wk 7037

Jul wk 7050

Oct wk 7063

Jan wk 7076

Apr wk 7089

Jul wk 7102

Oct wk 7115

Jan wk 7128

Apr wk 7141

Jul wk 7154

Oct wk 7167

Jan wk 7180

Apr wk 7193

Jul wk 7206

Oct wk 7219

Jan wk 7232

Apr wk 7245

Jul wk 7258

Oct wk 7271

Jan wk 7284

Apr wk 7297

Jul wk 7310

Oct wk 7323

Jan wk 7336

Apr wk 7349

Jul wk 7362

Oct wk 7375

Jan wk 7388

Apr wk 7401

Jul wk 7414

Oct wk 7427

Jan wk 7440

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Jul wk 7466

Oct wk 7479

Jan wk 7492

Apr wk 7505

Jul wk 7518

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Jan wk 7544

Apr wk 7557

Jul wk 7570

Oct wk 7583

Jan wk 7596

Apr wk 7609

Jul wk 7622

Oct wk 7635

Jan wk 7648

Apr wk 7661

Jul wk 7674

Oct wk 7687

Jan wk 7700

Apr wk 7713

Jul wk 7726

Oct wk 7739

Jan wk 7752

Apr wk 7765

Jul wk 7778

Oct wk 7791

Jan wk 7804

Apr wk 7817

Jul wk 7830

Oct wk 7843

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Apr wk 7869

Jul wk 7882

Oct wk 7895

Jan wk 7908

Apr wk 7921

Jul wk 7934

Oct wk 7947

Jan wk 7960

Apr wk 7973

Jul wk 7986

Oct wk 7999

Jan wk 8012

Apr wk 8025

Jul wk 8038

Oct wk 8051

Jan wk 8064

Apr wk 8077

Jul wk 8090

Oct wk 8103

Jan wk 8116

Apr wk 8129

Jul wk 8142

Oct wk 8155

Jan wk 8168

Apr wk 8181

Jul wk 8194

Oct wk 8207

Jan wk 8220

Apr wk 8233

Jul wk 8246

Oct wk 8259

Jan wk 8272

Apr wk 8285

Jul wk 8298

Oct wk 8311

Jan wk 8324

Apr wk 8337

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Oct wk 8363

Jan wk 8376

Apr wk 8389

Jul wk 8402

Oct wk 8415

Jan wk 8428

Apr wk 8441

Jul wk 8454

Oct wk 8467

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Apr wk 8493

Jul wk 8506

Oct wk 8519

Jan wk 8532

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Jul wk 8558

Oct wk 8571

Jan wk 8584

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Jul wk 8610

Oct wk 8623

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Apr wk 8649

Jul wk 8662

Oct wk 8675

Jan wk 8688

Apr wk 8701

Jul wk 8714

Oct wk 8727

Jan wk 8740

Apr wk 8753

Jul wk 8766

Oct wk 8779

Jan wk 8792

Apr wk 8805

Jul wk 8818

Oct wk 8831

Jan wk 8844

Apr wk 8857

Jul wk 8870

Oct wk 8883

Jan wk 8896

Apr wk 8909

Jul wk 8922

Oct wk 8935

Jan wk 8948

Apr wk 8961

Jul wk 8974

Oct wk 8987

Jan wk 9000

Apr wk 9013

Jul wk 9026

Oct wk 9039

Jan wk 9052

Apr wk 9065

Jul wk 9078

Oct wk 9091

Jan wk 9104

Apr wk 9117

Jul wk 9130

Oct wk 9143

Jan wk 9156

Apr wk 9169

Jul wk 9182

Oct wk 9195

Jan wk 9208

Apr wk 9221

Jul wk 9234

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Jul wk 9390

Oct wk 9403

Jan wk 9416

Apr wk 9429

Jul wk 9442

Oct wk 9455

Jan wk 9468

Apr wk 9481

Jul wk 9494

Oct wk 9507

Jan wk 9520

Apr wk 9533

Jul wk 9546

Oct wk 9559

Jan wk 9572

Apr wk 9585

Jul wk 9598

Oct wk 9611

Jan wk 9624

Apr wk 9637

Jul wk 9650

Oct wk 9663

Jan wk 9676

Apr wk 9689

Jul wk 9702

Oct wk 9715

Jan wk 9728

Apr wk 9741

Jul wk 9754

Oct wk 9767

Jan wk 9780

Apr wk 9793

Jul wk 9806

Oct wk 9819

Jan wk 9832

Apr wk 9845

Jul wk 9858

Oct wk 9871

Jan wk 9884

Apr wk 9897

Jul wk 9910

Oct wk 9923

Jan wk 9936

Apr wk 9949

Jul wk 9962

Oct wk 9975

Jan wk 9988

Apr wk 10001

Jul wk 10014

Oct wk 10027

Jan wk 10040

Apr wk 10053

Jul wk 10066

Oct wk 10079

Jan wk 10092

Apr wk 10105

Jul wk 10118

Oct wk 10131

Jan wk 10144

Apr wk 10157

Jul wk 10170

Oct wk 10183

Jan wk 10196

Apr wk 10209

Jul wk 10222

Oct wk 10235

Jan wk 10248

Apr wk 10261

Jul wk 10274

Oct wk 10287

Jan wk 10300

Apr wk 10



Time for Disruption

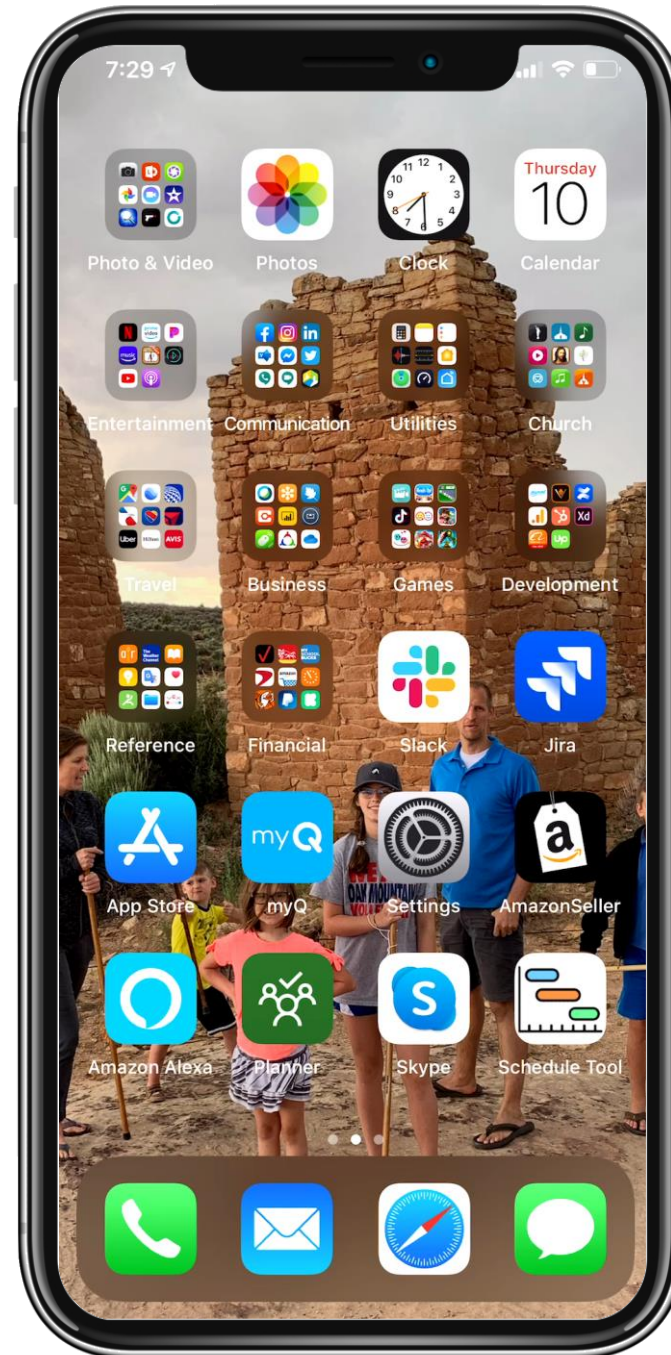
# Scheduling Tool

- Simple
- Intuitive
- Web-Based



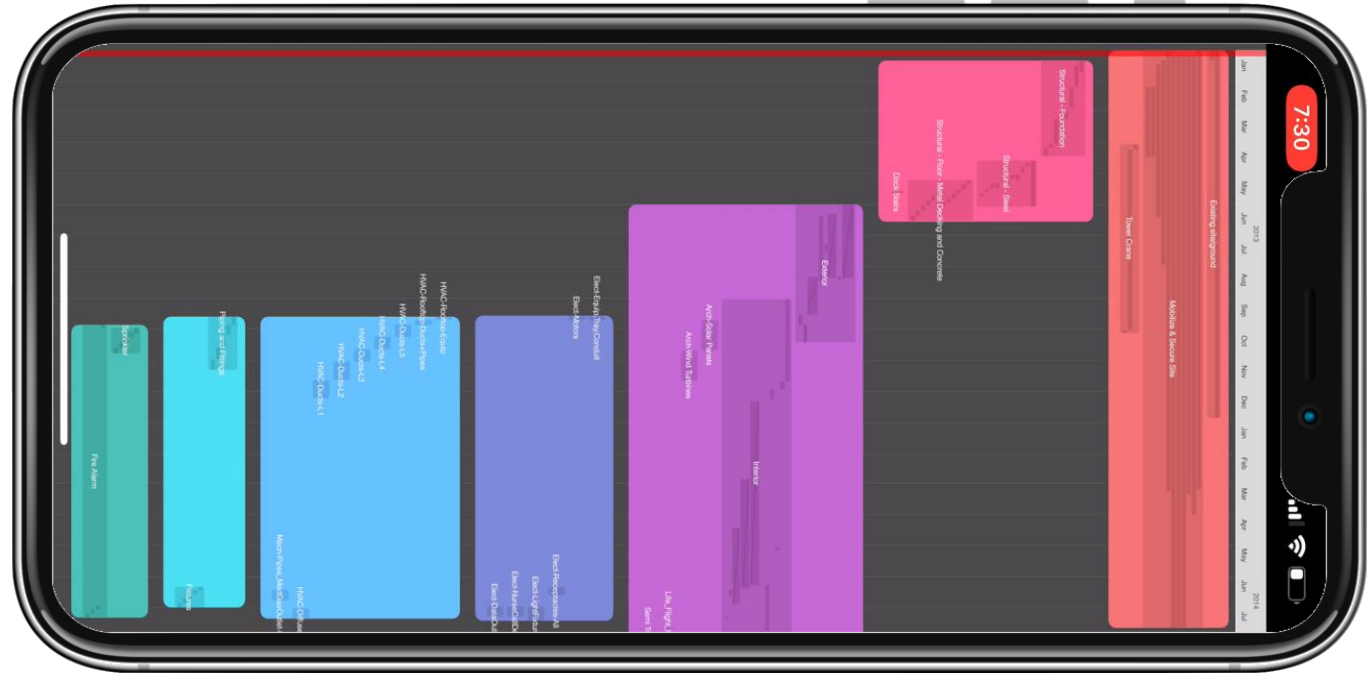
# Scheduling Tool

- Simple
- Intuitive
- Web-Based
- Mobile Friendly



## Scheduling Tool

- Simple
- Intuitive
- Web-Based
- Mobile Friendly
- Responsive





**LAST SUMMER**



**NEXT YEAR**





**Steve Moore, PMP, PSP,  
PMI-SP, LEED AP**

Manager of Scheduling  
and Innovative Support

**ROBINS & MORTON**