Northeastern University

Civil and Environmental Engineering

CIVE 5221: Construction Project Control and Organization

Dr. Niloofar Montazeri

Spring 2021

Computer Project

By

Ugurcan Ozdemir,

Mohit Patidar

&

Anirud Rao

	INDEX	
Assignment	Торіс	Page Number
1	General	
	Assignment1.6.A	
	Assignment1.6.B	
	Assignment1.6.C	
	Assignment1.6.D	
	Assignment1.6.E	
	Assignment 1.6.F	
	Assignment 1.6.G	
	Assignment 1.6.H	
	Assignment 1.6.I	
	Assignment 1.6.J	
2	General	
Z	Assignment 2.2.A	
	Assignment 2.2.B	
	Assignment 2.2.C	
	Assignment 2.2.D	
3	General	
	Assignment 3.3.A	
	Assignment 3.3.B	
	Assignment 3.5	
	Assignment 3.6	
4	General	
	Assignment 4.4.A	
	Assignment 4.4.B	
	Assignment 4.4.C	
	Assignment 4.4.D	
	Assignment 4.4.E	
	Assignment 4.4.F	

Assignment 1

Entering the project start date:

Inside the projects tab opening the project details reveals several tabs where various parameters for the project can be inserted. On the details menu we have a "Dates" tab that has the schedule dates and anticipated dates, where we have entered 5th of August 2019, as the planned start date for the project.

ctivitie	es Projects	5			
⊲ Layo	ut: Projects				
Project ID			Respo	nsible Manager	
= 🔶 E	nterprise	All Initiati	ves Ente	erprise	
	Tampa Office-1	1 Tampa Office B	luilding-01 E&C		
	Tampa Office-2	2 Tampa Office B	uilding-02 E&C		
	Tampa Office-3	3upd Tampa Office B	uilding-03upd E&C		
	Tampa Office-4	4upd Tampa Office B	uilding-04upd E&C		
	Tampa Office-	5upd Tampa Office B	uilding-05upd E&C		
	Tampa Office-	5upd-I\ Tampa Office B	uilding-05upd-1_E&C		
	Tampa01	Tampa Office B	luilding-01 Enterp	rise	
	Tampa02	Tampa Office B	luilding-02 Enterp	rise	
	Tampa03	Tampa Office B	uilding-03 Enterp	rise	
	Tampa03-1	Tampa Office B	uilding-03-1 Enterp	rise	
	Tampa04	Tampa Office B	uilding-04 Enterp	rise	
	Tampa05	Tampa Office B	uilding-05 Enterp	rise	
• 🔶	E&C	Engineerin	ng & Cons E&C		
Ŧ	Energy	Energy Se	rvices Ener	rav	
		uring Manufactu		ufacturing	
	ProdDev		evelopme: Prod		
••	TTOUDEV	Froduct D	evelopmentroc		
General	Notebook Bu	dget Log Spending P	lan Budget Summary	Dates Funding	Codes
	lule Dates				
Sched		art			
	ect Planned Sta				
Proj	ect Planned Sta 05-19				
Proj 08-					
Proj 08- Data	05-19				
Proj 08- Data	05-19 a Date				
Proj 08- Dati 08-	05-19 a Date				
Proj 08- Dati 08-	05-19 a Date 05-19				
Proj 08- Dati 08-	05-19 a Date 05-19				
Proj 08- Dati 08-	05-19 a Date 05-19				
Proj 08- Dati 08-	05-19 a Date 05-19				
Proj 08- Dati 08-	05-19 a Date 05-19				
Proj 08- Dati 08-	05-19 a Date 05-19	Portfolio: All Project		red Data Date:	

Entering non-workdays into the calendar:

Firstly, we created a new calendar called Tampa Schedule under Enterprise>Calendars. This was done by making a copy of the Corporate-Standard Full-Time calendar. After which we changed the name and modified it.

P6 Calendars				×
Global C Resc	ource	C F	roject	
			E	Close
Calendar Name $ abla$	Default		_	
🚔 5x10			42	Add
6x24			-	
1x24			×	Delete
Corporate - Standard Full Time			_	
📸 Tampa Calendar				Modify
📩 Tampa Schedule			-	
Trades - 5 Day Workweek			~	Used By
			•	To Global
			_	
				To Shared
				To Silarea
			1	To Personal
			2	Help

We manually added two rain days every month and the other holidays as well. We did this to the end of the year 2020, as we anticipated that the project would surely finish prior to that.

Tota	l work ho	ours/day				C Def	ailed work hours/day	
<		A	August 20)19		>	Work hours/day	🖌 ок
Mon	Tue	Wed	Thr	Fri	Sat	Sun	8.0	🧭 Canc
			1	2	3	4		😨 Help
5	6	7	8	9	10	11		
12	13	14	15	16	17	18		A World
9	20	21	22	23	24	25		X Nonw
26	27	28	29	30	31			<u>Standa</u>
								Wo <u>r</u> kwe
Standa	rd 🗌	Nonw	ork	Exc	eption			🔄 Time Per
Inherit	holidays	and exce	ptions fro	m Global	Calendar	r:		
<non< td=""><td>A></td><td></td><td></td><td>.</td><td></td><td></td><td></td><td></td></non<>	A>			.				

obal Cal	lendar: T	ampa So	hedule					×
 Tota 	l work he	ours/day				C Det	ailed work hours/day	
<		Se	ptember	2019		>	Work hours/day	🖌 ок
Mon	Tue	Wed	Thr	Fri	Sat	Sun	8.0	🙆 Cancel
						1		Help
2	3	4	5	6	7	8		
9	10	11	12	13	14	15		<u> </u>
16	17	18	19	20	21	22		X <u>N</u> onwork
23	24	25	26	27	28	29		Standard
30				_				Workweek
Standar	rd 🗆	Nonw	vork	Ex	ception			Time Periods
Inherit	-	and exce	ptions fro	om Globa	l Calendar	r:		

Entering Responsibility and Area:

For adding responsibility, we added the column called responsibility from Columns>Activity Codes-Global>Responsibility.

		Selected Options		 ✓ 	OK
Activity Codes - Global		Activity ID		0	Cancel
Capitalization		Activity Name	-		Calicer
Department		Original Duration			
Enterprise Milestones	▶	Start	-	-	Apply
Go / No-Go		Finish		-	
Item				E B	Copy From.
Key Milestones				_	
Phase					
Reason for Delay				_	Default
Release					Edit Column.
Responsibility				~	Edit Column.
Stage Gate					
Type of work				2	Help
Activity Steps					
Costs					
x >					

Clicking on the empty cells under the responsibility column provides us with a pop-up menu where we can select pre-loaded or add new responsibilities for each activity.

19	-	ac		NT
19	🔜 Select Respo	nsibility		× 1
19 19		185		
19		103		
19	Search			
19	Code Value	E Description	^	
20	GC GC	General Contractor		
20	KASON	Andy Mason		
20	R ACAL	All Seasons AC & I	Heating	×
19	R WALL	Wall to Wall		
20	R MILLS	Tom Mills		F
20	KART	Master Art Landsc	ape	New
20	R HARIS	Linda Haris		- IVEW
20	MASE	Mase & Company		
20	R EVANS	Tim Evans		
20	ROSS	Ross Carpentary &	Framing	
	FOLEY	Meg Foley		
19	R PLMX	Plumbing Experts	~	
19	<		>	
19		· -	~	<
19	MAS	E	•	-
				✓ Display: Oper

We have added the area codes by using a Work Breakdown Structure (WBS). On the left hand side there is a toolbar that contains the WBS option. Clicking on it opens a new window. We have added the different areas of work here by adding new WBS codes.

	✓ Layout: WBS	-			-	
	WBS Code	WBS Nam	e		Total Activities	
	L					
	🖃 🚞 Tampa Office-1	Tamp Of			54	
2	Tampa Office-1.Al	Ali	WBS Details		16	
3	Tampa Office-1.1st	1st Fl 🐰	Cut	Ctrl+X	16	
	Tampa Office-1.2nd		Сору	Ctrl+C	16	
2			Paste	Ctrl+V	°	
·		Ξt	Fill Down	Ctrl+E		
- 1		÷	Add	Ins		
-		×	Delete	Del		
2			Columns		•	
			Table Font and	d Row		

Entering Activities (and their respective information):

On the command bar in the activity tab, the first option is for creating a new activity. Clicking that provides us with the window below. In this we can enter the Activity ID, name, type, interrelationships etc. After creating the activity, we entered the duration of it manually under the original duration column.

١	New Activity X					
	Activity Name	New Activity				
	Enter an Activity ID and Activity Name. The Activity ID uniquely identifies the activity.		Activity Type			
	Activity ID A 1000		Choose an Activity Type for this activity. Use Task Dependent for most activities. Use Resource Dependent when the assigned resources' availability controls the activity schedule. Milestones are zero-duration activities which mark significant project events. Level of Effort activities have durations which are driven by other activities. Administration activities are examples of Level of Effort.			
	Activity Name New Activity		Activity Type Task Dependent Finish Milestone Level of Effort Dependent			
1	Do not show this wizard again. O Cancel Image: Cancel Mext Mext Image: Cancel		Resource Dependent Start Milestone n. Closk Dependent WBS Summary Prev Next Next			

ew Activity			
Predecessor Activi	ties		
Assign predecessors to this activity.			
Predecessor activities logically preced cannot start until predecessor activities		In most cases, th	e current activity
Activity ID C Activity Name	Relations	ship Ty	
Assign Remove			
Do not show this wizard again.			
Cancel	Prev	Next	Finish

_ [
- 51	✓ Layout: Classic Scl	hedule Layout	Filter	Filter: All Activities				
	Activity ID	Activity Name	Original Duration		Finish	Responsibility	A ^	Jul
	— 1000	NTP	0	08-05-19	08-05-19		_	
2	🕳 1010	Mobilization	3	08-05-19	08-08-19			
al	= 1020	Clear & Grub	12	08-09-19	08-27-19			
_	= 1030	Excavation	7	08-15-19	08-26-19			
	= 1040	Foundation	15	08-20-19	09-12-19			
2	😑 1050	Fill, Compact, and treat soil	3	09-13-19	09-17-19			
			-					4

Schedule the Project

With the F9 shortcut, the schedule window pops up or go to Tools>Schedule.

Schedule			×
Project(s) to schedule	1	0	Cancel
 All Projects use their own data date 			Schedule
C Apply selected data date to all open projects	08-05-19		View Log
Project Forecast Start Date		•	Help
Set Data Date and Planned Start to Project Fore	cast Start during scheduling	▶	Options
🗖 Log to file 🕅 As Html	1		
C:\Users\aniru\Documents\SchedLog.txt			
© Overwrite existing C Append to existing			

Adding the Constraint to Site Work

Under the activity details we have several tabs for reading or even inserting information for each activity. Under Status>Constraints, we have added the constraint to Site Work activity that it cannot finish any earlier than a week before the project end date.

General Status Resources Predecessors Successors				
Activity 1470	Site work			
Duration	Status			
Original 15	☐ Started	02-24-20	Duration %	0%
Actual	Finished	03-16-20	Suspend	
Remaining 15	Exp Finish		Resume	
At Complete 15				
	Constraints			
Total Float 4	Primary	Finish On or After	Secondary	< None >
Free Float 4	Date	03-16-20	Date	

Calculated Finish Date

We can find this in the Projects window>Project Details>Dates.

✓ Layout:Projects roject ID	Project Name	Responsible Manager			ugust	2010		Ser	temb	er 20	10		(
	Project Name	Responsible Manager		05	-		26	02	09	16	23	30	Т
▲ Enterprise	All Initiatives	Enterprise											-
📄 Tampa Office-1	Tampa Office Building-01	E&C					_					-	
🚞 Tampa Office-2	Tampa Office Building-02	E&C											
🚞 Tampa Office-3upd	Tampa Office Building-03upd	E&C											
🚞 Tampa Office-4upd	Tampa Office Building-04upd	E&C											
🚞 Tampa Office-5upd	Tampa Office Building-05upd	E&C											
📋 Tampa Office-5upd-h	Tampa Office Building-05upd-l	E&C											
🚞 Tampa01	Tampa Office Building-01	Enterprise											
🚞 Tampa02	Tampa Office Building-02	Enterprise											
🚞 Tampa03	Tampa Office Building-03	Enterprise											
🚞 Tampa03-1	Tampa Office Building-03-1	Enterprise										[
🚞 Tampa04	Tampa Office Building-04	Enterprise											
🚞 Tampa05	Tampa Office Building-05	Enterprise											
	Engineering & Cons	E&C											
🗉 📣 Energy	Energy Services	Energy											
🗉 📣 Manufacturing	Manufacturing	Manufacturing											
	Product Developme			<									
	1 1		1 1		_		-		_			_	
eneral Notebook Budget L	.og Spending Plan Budget Su	Immary Dates Funding Code	es Defaults R	esouro	es S	etting	s Ca	lculation	ns				_
Schedule Dates													
Project Planned Start			Must Finis	sh By								_	
08-05-19													
Data Date			Finish										
08-05-19			03-23-20)									
			Actual Fin										

Assignment 1.6.A

Activity ID	Activity Name	Origina Duratior	Early Star	Early Finish	Total Floa	Responsibility	WBS
1000	NTP	0	08-05-19	08-05-19	0	GC	Tampa Office-1.All
1010	Mobilization	3	08-05-19	08-08-19	0	GC	Tampa Office-1.All
1020	Clear & Grub	12	08-09-19	08-27-19	0	GC	Tampa Office-1.All
1030	Excavation	7	08-15-19	08-26-19	0	GC	Tampa Office-1.All
1040	Foundation	15	08-20-19	09-12-19	0	GC	Tampa Office-1.All
1050	Fill, Compact, and treat soil	3	09-13-19	09-17-19	0	GC	Tampa Office-1.1st
1060	1st floor plumbing rough-in	3	09-19-19	09-23-19	0	PLMX	Tampa Office-1.1st
1070	SOG	4	09-24-19	09-27-19	0	GC	Tampa Office-1.All
1080	1st floor columns	7	09-19-19	09-27-19	14	GC	Tampa Office-1.1st
1090	1st floor external CMU walls	10	09-30-19	10-14-19	4	MASE	Tampa Office-1.1st
1100	1st floor internal CMU walls	14	09-30-19	10-21-19	0	MASE	Tampa Office-1.1st
110	2nd floor suspended slab	8	10-22-19	10-31-19	0	GC	Tampa Office-1.2nd
1120	2nd floor plumbing rough-in	3	10-28-19	10-31-19	82	PLMX	Tampa Office-1.2nd
130	1st floor electrical rough-in	4	01-10-20	01-16-20	21	ZAPP	Tampa Office-1.1st
140	1st floor HVAC ductwork/rough-	6	11-01-19	11-11-19	72	ACAL	Tampa Office-1.1st
150	1st floor door & window frames	5	01-07-20	01-13-20	31	WINT	Tampa Office-1.1st
160	2nd floor columns	7	11-07-19	11-15-19	8	GC	Tampa Office-1.2nd
170	2nd floor external CMU walls	12	11-01-19	11-19-19	6	MASE	Tampa Office-1.2nd
180	2nd floor internal CMU walls	16	11-05-19	12-02-19	0	MASE	Tampa Office-1.2nd
190	Roof trusses	8	12-03-19	12-13-19	0	ROSS	Tampa Office-1.Roof
200	2nd floor electrical rough-in	4	01-10-20	01-16-20	23	ZAPP	Tampa Office-1.2nd
210	2nd floor HVAC ductwork/rough-in	6	12-16-19	12-24-19	46	ACAL	Tampa Office-1.2nd
220	2nd floor door & window frames	5	01-07-20	01-13-20	31	WINT	Tampa Office-1.2nd
230	Roof Sheating	5	12-16-19	12-23-19	0	ROSS	Tampa Office-1.Roof
240	Roof felt	1	12-24-19	12-24-19	0	RABT	Tampa Office-1.Roof
250	Building dry-in	0	12-26-19	12-26-19	0	GC	Tampa Office-1.All
260	Soffit & facia	3	12-26-19	12-30-19	42	ROSS	Tampa Office-1.Roof
265	Roof Shingles	6	12-26-19	01-03-20	47	RABT	Tampa Office-1.Roof
270	Roof Insulation	2	12-26-19	12-27-19	26	ROSS	Tampa Office-1.Roof
280	Internal partition framing	12	12-26-19	01-13-20	0	ROSS	Tampa Office-1.All
290	1st floor: hang doors & windows	10	01-14-20	01-30-20	31	WINT	Tampa Office-1.1st
300	1st floor drywall	8	01-14-20	01-27-20	0	WALL	Tampa Office-1.1st
310	1st floor HVAC air handler	5	01-28-20	02-04-20	26	ACAL	Tampa Office-1.1st
320	1st floor suspended ceiling	8	01-28-20	02-10-20	7	WALL	Tampa Office-1.1st
330	1st floor plumbing: install fixture	2	01-28-20	01-30-20	29	PLMX	Tampa Office-1.1st
340	1st floor paint/wall covering	10	02-04-20	02-18-20	7	WALL	Tampa Office-1.1st
350	1st floor electrical finish	6	02-11-20	02-18-20	7	ZAPP	Tampa Office-1.1st
360	1st floor flooring	12	02-20-20	03-06-20	7	TACO	Tampa Office-1.1st
370	2nd floor: hang doors & window	10	01-14-20	01-30-20	31	WINT	Tampa Office-1.2nd
380	2nd floor drywall	8	01-28-20	02-10-20	0	WALL	Tampa Office-1.2nd
390	2nd floor HVAC air handler		02-11-20	02-17-20	18	ACAL	Tampa Office-1.2nd
400	2nd floor suspended ceiling		02-11-20	02-21-20		WALL	Tampa Office-1.2nd
410	2nd floor plumbing: install fixture		02-11-20	02-12-20		PLMX	Tampa Office-1.2nd
420	2nd floor paint/wall covering		02-17-20	03-03-20		WALL	Tampa Office-1.2nd
430	2nd floor electrical finish		02-24-20	03-02-20	1	ZAPP	Tampa Office-1.2nd
440	HVAC: install equipment	1	02-18-20	02-18-20		ACAL	Tampa Office-1.All
450	2nd floor flooring		03-04-20	03-18-20		TACO	Tampa Office-1.2nd
460	Stucco & paint to ext. walls		12-31-19	01-10-20		WALL	Tampa Office-1.All
470	Site work		02-24-20	03-16-20	4	MART	Tampa Office-1.All
480	Plumbing Finish		02-13-20	02-14-20	21		Tampa Office-1.All
490	HVAC thermostat & Test	- 1	03-03-20	03-03-20		ACAL	Tampa Office-1.All
500	Electrical final		03-04-20	03-09-20		ZAPP	Tampa Office-1.All
510	Building deanup		03-19-20	03-20-20		GC	Tampa Office-1.All
520	Final check/CO		03-23-20	03-23-20		GC	Tampa Office-1.All

Assignment 1.6.B

Activity ID	Activity Name	Original Duratio	Predecessors	Responsibility	WBS
1000	NTP	0		GC	Tampa Office-1.All
1010	Mobilization	3	1000	GC	Tampa Office-1.All
1020	Clear & Grub	12	1010	GC	Tampa Office-1.All
1030	Excavation	7	1020	GC	Tampa Office-1.All
1040	Foundation	15	1030, 1030	GC	Tampa Office-1.All
1050	Fill, Compact, and treat soil	3	1040	GC	Tampa Office-1.1st
1060	1st floor plumbing rough-in	3	1050	PLMX	Tampa Office-1.1st
1070	SOG	4	1060	GC	Tampa Office-1.All
1080	1st floor columns	7	1050	GC	Tampa Office-1.1st
1090	1st floor external CMU walls	10	1070	MASE	Tampa Office-1.1st
1100	1st floor internal CMU walls	14	1070	MASE	Tampa Office-1.1st
1110	2nd floor suspended slab	8	1080, 1090, 1100	GC	Tampa Office-1.2nd
1120	2nd floor plumbing rough-in	3	1110, 1110	PLMX	Tampa Office-1.2nd
1130	1st floor electrical rough-in	4	1090, 1100, 1280	, ZAPP	Tampa Office-1.1st
44.40		0	1280, 1090, 1100	101	Tamas Office 4 4ct
1140	1st floor HVAC ductwork/rough-in	6	1110	ACAL	Tampa Office-1.1st
1150	1st floor door & window	5	1090, 1100, 1090	, WINT	Tampa Office-1.1st
1160	frames 2nd floor columns	7	1100, 1280, 1280 1110	GC	Tampa Office-1.2nd
1170	2nd floor external CMU walls	12	1110	MASE	Tampa Office-1.2nd
1180	2nd floor internal CMU walls	16	1110	MASE	Tampa Office-1.2nd
1190	Roof trusses	8	1160, 1170, 1180	ROSS	Tampa Office-1.Roof
1200	2nd floor electrical rough-in	4	1170, 1180, 1280		Tampa Office-1.2nd
	-		1170, 1180, 1280		
1210	2nd floor HVAC ductwork/rough-in	6	1190	ACAL	Tampa Office-1.2nd
1220	2nd floor door & window	5	1170, 1180, 1170	, WINT	Tampa Office-1.2nd
1230	frames Roof Sheating	5	1180, 1280, 1280 1190	ROSS	Tampa Office-1.Roof
1240	Roof felt	1	1230	RABT	Tampa Office-1.Roof
1250	Building dry-in	0	1240	GC	Tampa Office-1.All
1260	Soffit & facia	3	1250	ROSS	Tampa Office-1.Roof
1265	Roof Shingles	6	1240	RABT	Tampa Office-1.Roof
1270	Roof Insulation	2	1250	ROSS	Tampa Office-1.Roof
1280	Internal partition framing	12	1250	ROSS	Tampa Office-1.All
1290	1st floor: hang doors &	12	1150, 1280	WINT	Tampa Office-1.1st
1300	windows 1st floor drywall	8	1280	WALL	Tampa Office-1.1st
1310	1st floor HVAC air handler	5	1140, 1300	ACAL	Tampa Office-1.1st
1320	1st floor suspended ceiling	8	1300	WALL	Tampa Office-1.1st
1330	1st floor plumbing: install	2	1060, 1300	PLMX	Tampa Office-1.1st
1000	fixtures	2	1000, 1000		
1340	1st floor paint/wall covering	10	1320	WALL	Tampa Office-1.1st
1350	1st floor electrical finish	6	1130, 1320	ZAPP	Tampa Office-1.1st
1360	1st floor flooring	12	1340, 1350	TACO	Tampa Office-1.1st
1370	2nd floor: hang doors & windows	10	1220, 1280	WINT	Tampa Office-1.2nd
1380	2nd floor drywall	8	1300	WALL	Tampa Office-1.2nd
1390	2nd floor HVAC air handler	5	1210, 1380	ACAL	Tampa Office-1.2nd
1400	2nd floor suspended ceiling	8	1270, 1380	WALL	Tampa Office-1.2nd
1410	2nd floor plumbing: install	2	1120, 1380	PLMX	Tampa Office-1.2nd
1420	fixtures 2nd floor paint/wall covering	11	1400	WALL	Tampa Office-1.2nd
1430	2nd floor electrical finish	6	1200, 1400	ZAPP	Tampa Office-1.2nd
1440	HVAC: install equipment	1	1310, 1390	ACAL	Tampa Office-1.All
1450	2nd floor flooring	10	1420, 1430	TACO	Tampa Office-1.2nd
1460	Stucco & paint to ext. walls	8	1260	WALL	Tampa Office-1.All
1470	Site work	15	1020, 1090	MART	Tampa Office-1.All
1480	Plumbing Finish	2	1330, 1410	PLMX	Tampa Office-1.All
1490	HVAC thermostat & Test	1	1350, 1430, 1440	ACAL	Tampa Office-1.All
1500	Electrical final	4	1340, 1350, 1420		Tampa Office-1.All
			1430		
1510	Building cleanup	2	1265, 1290, 1360 1370, 1450, 1460 1480, 1490, 1500		Tampa Office-1.All
1520	Final check/CO	1	1470, 1510	GC	Tampa Office-1.All
-		•	.,		

Total

Assignment 1.6.C

Activity ID	Activity Name	Early Star	Early Finish	Late Start	Late Finish	Total Floa
1000	NTP	08-05-19	08-05-19	08-02-19	08-02-19	0
1010	Mobilization	08-05-19	08-08-19	08-05-19	08-08-19	0
1020	Clear & Grub	08-09-19	08-27-19	08-09-19	08-27-19	0
1030	Excavation	08-15-19	08-26-19	08-15-19	08-26-19	0
1040	Foundation	08-20-19	09-12-19	08-20-19	09-12-19	0
1050	Fill, Compact, and treat soil	09-13-19	09-17-19	09-13-19	09-17-19	0
1060	1st floor plumbing rough-in	09-19-19	09-23-19	09-19-19	09-23-19	0
1080	1st floor columns	09-19-19	09-27-19	10-10-19	10-21-19	14
1070	SOG	09-24-19	09-27-19	09-24-19	09-27-19	0
1100	1st floor internal CMU walls	09-30-19	10-21-19	09-30-19	10-21-19	0
1090	1st floor external CMU walls	09-30-19	10-14-19	10-07-19	10-21-19	4
1110	2nd floor suspended slab	10-22-19	10-31-19	10-22-19	10-31-19	0
1120	2nd floor plumbing rough-in	10-28-19	10-31-19	03-09-20	03-12-20	82
1170	2nd floor external CMU walls	11-01-19	11-19-19	11-12-19	12-02-19	6
1140	1st floor HVAC ductwork/rough-i		11-11-19	02-28-20	03-06-20	72
	-					
1180	2nd floor internal CMU walls	11-05-19	12-02-19	11-05-19	12-02-19	0
1160	2nd floor columns	11-07-19	11-15-19	11-19-19	12-02-19	8
1190	Roof trusses	12-03-19	12-13-19	12-03-19	12-13-19	0
1230	Roof Sheating	12-16-19	12-23-19	12-16-19	12-23-19	0
1210	2nd floor HVAC ductwork/rough	12-16-19	12-24-19	02-28-20	03-06-20	46
1240	Roof felt	12-24-19	12-24-19	12-24-19	12-24-19	0
1250	Building dry-in	12-26-19	12-26-19	12-24-19	12-24-19	0
1280	Internal partition framing	12-26-19	01-13-20	12-26-19	01-13-20	0
1270	Roof Insulation	12-26-19	12-27-19	02-07-20	02-10-20	26
1260	Soffit & facia	12-26-19	12-30-19	03-03-20	03-05-20	42
1265	Roof Shingles	12-26-19	01-03-20	03-10-20	03-18-20	47
1460	Stucco & paint to ext. walls	12-31-19	01-10-20	03-06-20	03-18-20	42
1150	1st floor door & window frames	01-07-20	01-13-20	02-26-20	03-03-20	31
1220	2nd floor door & window frames	01-07-20	01-13-20	02-26-20	03-03-20	31
1130	1st floor electrical rough-in	01-10-20	01-16-20	02-14-20	02-20-20	21
1200	2nd floor electrical rough-in	01-10-20	01-16-20	02-18-20	02-24-20	23
1300	1st floor drywall	01-14-20	01-27-20	01-14-20	01-27-20	0
1290	1st floor: hang doors & windows		01-30-20	03-04-20	03-18-20	31
1370	2nd floor: hang doors & windows		01-30-20	03-04-20	03-18-20	31
1380	2nd floor drywall	01-28-20	02-10-20	01-28-20	02-10-20	0
1320	1st floor suspended ceiling	01-28-20	02-10-20	02-10-20	02-20-20	7
		01-28-20		02-10-20		
1310	1st floor HVAC air handler		02-04-20		03-16-20	26
1330	1st floor plumbing: install fixture:		01-30-20	03-13-20	03-16-20	29
1340	1st floor paint/wall covering	02-04-20	02-18-20	02-14-20	02-28-20	7
1400	2nd floor suspended ceiling	02-11-20	02-21-20	02-11-20	02-21-20	0
1350	1st floor electrical finish	02-11-20	02-18-20	02-21-20	02-28-20	7
1390	2nd floor HVAC air handler	02-11-20	02-17-20	03-09-20	03-16-20	18
1410	2nd floor plumbing: install fixture		02-12-20	03-13-20	03-16-20	21
1480	Plumbing Finish	02-13-20	02-14-20	03-17-20	03-18-20	21
1420	2nd floor paint/wall covering	02-17-20	03-03-20	02-17-20	03-03-20	0
1440	HVAC: install equipment	02-18-20	02-18-20	03-17-20	03-17-20	18
1360	1st floor flooring	02-20-20	03-06-20	03-02-20	03-18-20	7
1430	2nd floor electrical finish	02-24-20	03-02-20	02-25-20	03-03-20	1
1470	Site work	02-24-20	03-16-20	02-28-20	03-20-20	4
1490	HVAC thermostat & Test	03-03-20	03-03-20	03-18-20	03-18-20	10
1450	2nd floor flooring	03-04-20	03-18-20	03-04-20	03-18-20	0
1500	Electrical final	03-04-20	03-09-20	03-13-20	03-18-20	6
1510	Building cleanup	03-19-20	03-20-20	03-19-20	03-20-20	0
1520	Final check/CO	03-23-20	03-23-20	03-23-20	03-23-20	0

Assignment 1.6.D

Activity ID	Activity Name	Schedulec Start	Schedulec Finish
1000	NTP	08-05-19	08-05-19
1010	Mobilization	08-05-19	08-08-19
1020	Clear & Grub	08-09-19	08-27-19
1030	Excavation	08-15-19	08-26-19
1040	Foundation	08-20-19	09-12-19
1050	Fill, Compact, and treat soil	09-13-19	09-17-19
1060	1st floor plumbing rough-in	09-19-19	09-23-19
1080	1st floor columns	09-19-19	09-27-19
1070	SOG	09-24-19	09-27-19
1100	1st floor internal CMU walls	09-30-19	10-21-19
1090	1st floor external CMU walls	09-30-19	10-14-19
1110	2nd floor suspended slab	10-22-19	10-31-19
1120	2nd floor plumbing rough-in	10-28-19	10-31-19
1170	2nd floor external CMU walls	11-01-19	11-19-19
1140	1st floor HVAC ductwork/rough-i	11-01-19	11-11-19
	-		
1180	2nd floor internal CMU walls	11-05-19	12-02-19
1160	2nd floor columns	11-07-19	11-15-19
1190	Roof trusses	12-03-19	12-13-19
1230	Roof Sheating	12-16-19	12-23-19
1210	2nd floor HVAC ductwork/rough		12-24-19
1240	Roof felt	12-24-19	12-24-19
1250	Building dry-in	12-26-19	12-26-19
1280	Internal partition framing	12-26-19	01-13-20
1270	Roof Insulation	12-26-19	12-27-19
1260	Soffit & facia	12-26-19	12-30-19
1265	Roof Shingles	12-26-19	01-03-20
1460	Stucco & paint to ext. walls	12-31-19	01-10-20
1150	1st floor door & window frames	01-07-20	01-13-20
1220	2nd floor door & window frames	01-07-20	01-13-20
1130	1st floor electrical rough-in	01-10-20	01-16-20
1200	2nd floor electrical rough-in	01-10-20	01-16-20
1300	1st floor drywall	01-14-20	01-27-20
1290	1st floor: hang doors & windows	01-14-20	01-30-20
1370	2nd floor: hang doors & windows	01-14-20	01-30-20
1380	2nd floor drywall	01-28-20	02-10-20
1320	1st floor suspended ceiling	01-28-20	02-10-20
1310	1st floor HVAC air handler	01-28-20	02-04-20
1330	1st floor plumbing: install fixture:	01-28-20	01-30-20
1340	1st floor paint/wall covering	02-04-20	02-18-20
1400	2nd floor suspended ceiling	02-11-20	02-21-20
1350	1st floor electrical finish	02-11-20	02-18-20
1390	2nd floor HVAC air handler	02-11-20	02-17-20
1410	2nd floor plumbing: install fixture		02-12-20
1480	Plumbing Finish	02-13-20	02-14-20
1420	2nd floor paint/wall covering	02-17-20	03-03-20
1440	HVAC: in stall equipment	02-18-20	02-18-20
1360	1st floor flooring	02-20-20	03-06-20
1430	2nd floor electrical finish	02-24-20	03-02-20
1470	Site work	02-24-20	03-16-20
1490	HVAC thermostat & Test	03-03-20	03-03-20
1450	2nd floor flooring	03-04-20	03-18-20
1500	Electrical final	03-04-20	03-09-20
1510	Building cleanup	03-19-20	03-20-20
	5	-	-

Assignment 1.6.E

Activity ID	Activity Name	Scheduled Start	Scheduled Finish
1050	Fill, Compact, and treat soil	09-13-19	09-17-19
1060	1st floor plumbing rough-in	09-19-19	09-23-19
1070	SOG	09-24-19	09-27-19
1080	1st floor columns	09-19-19	09-27-19

Total

09-13-19 09-27-19

Assignment 1.6.F

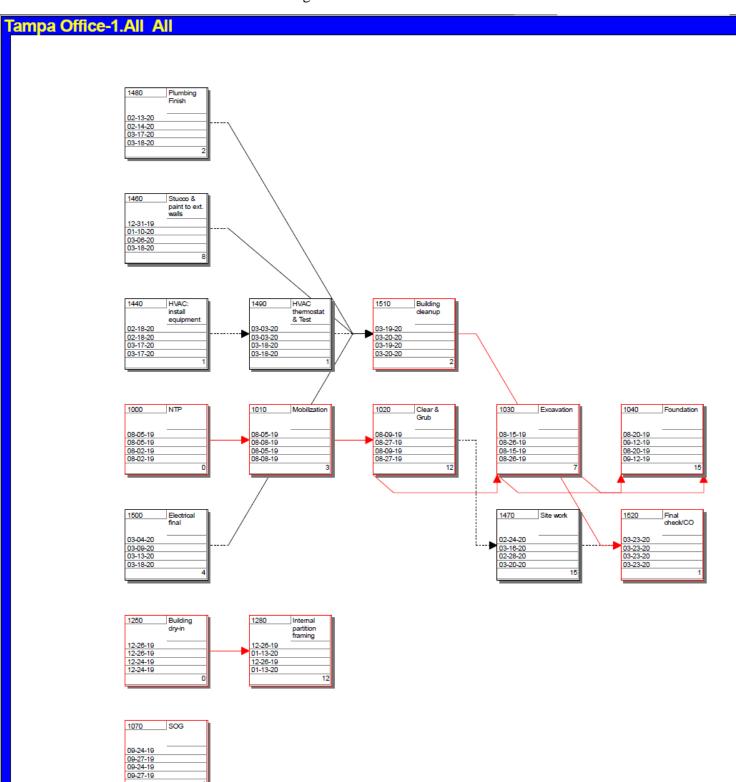
Activity ID	Activity Name	Original Duration	Start	Finish		Qtr 3, 2019			Qtr 4, 2019			Qtr1, 2020			Qtr 2, 202
		Duration			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
	mpa Office-1 Tampa Office	0													
📲 WBS: Tam	pa Office-1.All All	145	08-05-19	03-23-20									▼ 03-23	20, WBS: Tampa Office-1.All A	All
1000	NTP		08-05-19	08-05-19	_	NTP									
1010	Mobilization		08-05-19	08-08-19	-	Mobilization									
1020	Clear & Grub		08-09-19	08-27-19				+							
1030	Excavation		08-15-19	08-26-19		6	cavation								
1040	Foundation		08-20-19	09-12-19		-	oundation								
1070 1250			09-24-19 12-26-19	09-27-19 12-26-19	_			SOG							
1280	Building dry-in Internal partition framing		12-26-19	01-13-20						E.	Building dry-in Internal partitio	- framing			
1280	Stucco & paint to ext. walls		12-20-19	01-13-20							Stupoc & paint to	ekt wolls			
1480	Plumbing Finish		02-13-20	02-14-20								Plumbing Fi	nish		
1440	HVAC: install equipment		02-18-20	02-18-20									nstall equipment		
1470	Site work		02-24-20	03-16-20*									Site work		
1490	HVAC thermostat & Test	1	03-03-20	03-03-20									HVAC thermostat & Test		
1500	Electrical final	4	03-04-20	03-09-20	1								Electrical final		
1510	Building deanup		03-19-20	03-20-20									Building		
1520	Final check/CO		03-23-20	03-23-20									- Final	: :	
📲 WBS: Tam	pa Office-1.1st 1st Floor	110	09-13-19	03-08-20									▼ 03-06-20, WBS: Tamp	a Office-1.1st 1st Floor	
1050	Fill, Compact, and treat soil	3	09-13-19	09-17-19			FI, Comp	act, and treat soil							
1060	1st floor plumbing rough-in	3	09-19-19	09-23-19				floor plumbing rough-in	·•••••••••••••••••••••••••••••••••••••	<u>.</u>		*****			
1080	1st floor columns		09-19-19	09-27-19				1st floor columns							
1100	1st floor internal CMU walls	14	09-30-19	10-21-19			-	1st floo	rinternal CMU walls						
1090	1st floor external CMU walls		09-30-19	10-14-19			-	1s floor extern	al CMU walls						
1140	1st floor HVAC ductwork/rough-in		11-01-19	11-11-19	ļ		ļ	ļf	1st floor HVAC d	luctwork/rough-in		. <u>.</u>			
1150	1st floor door & window frames		01-07-20	01-13-20							► st floor door (window frames			
1130	1st floor electrical rough-in		01-10-20	01-16-20							► St floor ele				
1300	1st floor drywall		01-14-20	01-27-20 01-30-20								1st floor orywall			
1290 1320	1st floor: hang doors & windows 1st floor suspended ceiling		01-14-20 01-28-20	01-30-20 02-10-20								1st floor: hang doors & wind 1st floor suspen			
1320	1st floor suspended ceiling 1st floor HVAC air handler		01-28-20	02-10-20			+	÷	+	÷	·l··∔··ŀ·ŀ··	1st floor HVAC air han	ver vening		
1310	1st floor plumbing: install fixtures		01-28-20	01-30-20								1st floor plumbing: install fix	dures		
1340	1st floor paint/wall covering		02-04-20	02-18-20								· · · · · · · · · · · · · · · · · · ·	paint/wall covering		
1350	1st floor electrical finish		02-11-20	02-18-20									electrical finish		
1360	1st floor flooring		02-20-20	03-06-20								· · · · · · · · · · · · · · · · · · ·	1st floor flooring		
🖶 WBS: Tam	a Office-1.2nd 2nd Floor	93	10-22-19	03-18-20									▼ 03-18-20,	WBS: Tampa Office-1.2nd 2nd	Floor
1110	2nd floor suspended slab	8	10-22-19	10-31-19					2nd floor suspended slab						
1120	2nd floor plumbing rough-in		10-28-19	10-31-19					and floor plumbing rough in						
1170	2nd floor external CMU walls		11-01-19	11-19-19	1			ц	2nd floo	rexternal CMU walls		1			
1180	2nd floor internal CMU walls	16	11-05-19	12-02-19						2nd floor internal GMU	walls				
1160	2nd floor columns		11-07-19	11-15-19					► 2nd floor col	mns					
1210	2nd floor HVAC ductwork/rough-in		12-16-19	12-24-19							2hd floor HVAC ductwork/rough-in	. <u>.</u>			
1220	2nd floor door & window frames		01-07-20	01-13-20							P = 2nd floor door	8 window frames			
1200	2nd floor electrical rough-in		01-10-20	01-16-20							► ► The second	eitrical rough-in 2nd floor: hang doors & win			
1370	2nd floor: hang doors & windows		01-14-20	01-30-20			Ļ	Ļ	Ļ	·		2nd floor: hang doors & win	dows		
1380	2nd floor drywall		01-28-20	02-10-20	-						: ~	2nd floor drywall			
1400 1390	2nd floor suspended ceiling 2nd floor HVAC air handler		02-11-20	02-21-20	-							2nd f	ioor suspended eeiing HVAC air handler		
= 1390 = 1410	2nd floor HVAC air handler 2nd floor plumbing: install fixtures	-	02-11-20	02-17-20	-								IVAC air handler lleing: install fixtures		
1410	2nd floor plumbing: install matures 2nd floor paint/wall covering		02-11-20	03-03-20	-								2nd floor paint/wall coveri		
1420	2nd floor paint/wail dovering 2nd floor electrical finish		02-17-20	03-03-20	+			+			· 	· · · · · · · · · · · · · · · · · · ·	2nd floor plant/wall doven		
1450	2nd floor flooring		03-04-20	03-18-20								-	2nd floor f	ooring	
	pa Office-1.Roof Roof		12-03-19	01-03-20							01-03-20, WBS: Tampa	Office-1.Roof Roof		-	
■ 1190	Roof trusses		12-03-19	12-13-19						Roof trusses					
1190	Roof Sheating		12-03-19	12-13-19	-						s oof Sheating				
1230	Roof felt		12-10-19	12-23-19				+			Rooffelt	-++	+	<u>++</u>	
1240	Roof Insulation		12-24-19	12-24-19	-						Roof Insulation	-+			
12/0	Soffit & facia		12-20-19	12-30-19						· · · · · · · · · · · · · · · · · · ·	Soffit & facia				
1200	Roof Shingles		12-20-19	01-03-20							Roof Shingles				
	. tool on thes		12-20-10	01-00-20	Li		1	1	1	-	Troor or ingres	1	1	ı i	

Assignment 1.6.G

fty ID	Adt/Mty Name	Original Start Duration		Jul	Otr 3, 2019 Aug	Sep	Oct	Otr 4, 2019 Nov	Dec	Jan	Ctr 1, 2020 Feb	Mar	Apr
Conservet		145 08-05-19	03-23-20	Jui	Aug	oep		NUV	Dec	Jan	reu		Apr 3-20. General Contractor
General Co												V 03-2	orad, General Confilado
= 1000	NTP	0 08-05-19	08-05-19		NTP								
= 1010	Mobilization	3 08-05-19	08-08-19		Mobilization								
1020	Clear & Grub	12 08-09-19	08-27-19	1 1		Sear & Grub	1						1
1030	Excavation	7 08-15-19	08-26-19	1 1		veavation	1	1		1	t1 I		1
1040	Foundation	15 08-20-19	09-12-19	+	· · · · · · · · · · · · · · · · · · ·	- oundation		+		+	<u> </u>		• 🕂 • • • • • • • • • • • • • • • • • •
1050	Fil, Compact, and treat soll	3 09-13-19	09-17-19				pact, and treat sol						
				1									
1080	1st floor columns	7 09-19-19	09-27-19	4			1st floor columns						
1070	SOG	4 09-24-19	09-27-19			· · · ·	SOG	1					1
1110	2nd floor suspended slab	8 10-22-19	10-31-19			1	-	2nd floor suspended slab					1
1160	2nd floor columns	7 11-07-19	11-15-19	1		1		2nd floor colu	mns	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1
1250	Building dry-In	0 12-26-19	12-26-19	1 1						ilding diy-in			
1510	Building cleanup	2 03-19-20	03-20-20						-			PE Building	deanun
1520	Final check/CO	1 03-23-20	03-23-20										I check/CO
		75 11-01-19	03-03-20										
	IS AC & Heating	75 11-01-19	03-03-20					7				3-03-20, All Seasons A	c a neating
1140	1st floor HVAC ductwork/rough-in	6 11-01-19	11-11-19			1	•	1st floor HVAC d	uctwork/rough-in	T	1		Т
1210	2nd floor HVAC ductwork/rough-in	6 12-16-19	12-24-19	1 1					r 🛏 🗌 2nd	floor HVAC ductwork/rough-in			
1310	1st floor HVAC air handler	5 01-28-20	02-04-20	1 1	1						1st floor HVAC air handler		1
1390	2nd floor HVAC air handler	5 02-11-20	02-17-20		1		1 1			-	2nd floor HVAC	althandler	1
		1 02-11-20			1			:	:	: I	2nd noor HVAC	di nanuri	1
1440	HVAC: Install equipment		02-18-20	ļ		÷		.j. <u>₩</u>	⊧ ↓	÷	HIVAC: Install e	quipment	
= 1490	HVAC thermostat & Test	1 03-03-20	03-03-20		1					I I	· · · ·	NAC the mostat & Test	
Wall to Wa	11	40 12-31-19	03-03-20		1							3 03 20, Wall to Wal	
1460	Stucco & paint to ext. walls	8 12-31-19	01-10-20		1					Stucco & paint to e	et walk		
					1	1 1 1							
1300	1st floor drywall	8 01-14-20	01-27-20		1		1 1	:			st floor crywall		1
1380	2nd floor drywall	8 01-28-20	02-10-20			±					2nd floor drywall		1
1320	1st floor suspended celling	8 01-28-20	02-10-20			1	1	1	1 1 1		1st floor suspended cei	ling	1
1340	1st floor paint/wall covering	10 02-04-20	02-18-20	1	1						i and descent states		1
1400	2nd floor suspended celling	8 02-11-20	02-21-20	1 1	1						2nd filtor su	spended celling	
1420	2nd floor paint/wall covering	11 02-17-20	03-03-20	1 !								nd floor paint wall cover	
		15 02-24-20	03-16-20										Aaster Art Landscape
	Landscape											00-10-20, 1	naoter Aut Candocape
1470	Site work	15 02-24-20	03-16-20*			1		1		1		Site work	1
Mase & Co	moon	40 09-30-19	12-02-19				*	+	12-02-19, Mase & Compa	riv .	: 		1
		14 09-30-19	10.01.10	•									1
1100	1st floor Internal CMU walls		10-21-19			· · · · · ·	15:100	rinternal CMU walls		jamma and an and a second s			
1090	1st floor external CMU walls	10 09-30-19	10-14-19	1			1st floor extern	rinternal CMU walls al CMU walls					
1170	2nd floor external CMU walls	12 11-01-19	11-19-19	1				2nd floor	external CMU walls				
1180	2nd floor Internal CMU wails	16 11-05-19	12-02-19	T		1	T		2nd floor internal CMU wa	6 T T T T T T T T T			1
Doee Cam	entary & Framing	26 12-03-19	01-13-20					1	·	01-13-20, Ross	Carpentary & Framing		
				•									
1190	Roof trusses	8 12-03-19	12-13-19	4				11	Roof trusses				
1230	Roof Sheating	5 12-16-19	12-23-19					11	Roof	Sheating			1
1280	Internal partition framing	12 12-26-19	01-13-20	1				1		Internal partition	framing		1
1270	Roof Insulation	2 12-26-19	12-27-19	[1	1	! T	+d F				1
1260	Sofft & facia	3 12-26-19	12-30-19		1			11		Soffit & facia			
Plumbing		93 09-19-19	02-14-20		1	· •	+	+	÷	┊┇┇╡ ╋╋	02-14-20, Plembing	Experts	1
								11	: []				1
1060	1st floor plumbing rough-in	3 09-19-19	09-23-19		1	⊷ 1st	floor plumbing rough-in	<u> </u>	L	÷	:		1
1120	2nd floor plumbing rough-In	3 10-28-19	10-31-19				·=_	2nd floor plumbing rough in	!	<u> </u>	<u>;</u>] 		
1330	1st floor plumbing: install fodures	2 01-28-20	01-30-20	[I	1					1st floor plumbing: Install fooures		T
1410	2nd floor plumbing: Install fotures	2 02-11-20	02-12-20	1 1	1					!	2nd floor plumbing: in Plumbing Firsh	nstall fotures	
1480	Plumbing Finish	2 02-13-20	02-14-20	1 1		1	1	1	: []	: : : : : : : : : : : : : : : : : : : :	Plumbing Finish		1
		7 12-24-19	01-03-20		1	1	1	1	:	01-03-20, Rappit-the-Foo			1
Rabbit-the					1		1	1	: I ^r		f		1
1240	Roof feit	1 12-24-19	12-24-19		1				Roo	¢reit	; ;		
1265	Roof Shingles	6 12-25-19	01-03-20	1	I	1	1	1		Floor Shingles			1
	arpet Co., Inc	19 02-20-20	03-18-20		1	1	1	1			┊╎╎┱┿┯╍╋╋	V 03-18-20	The and Carpet Co., Inc
						1	1	1	i	; ; ; ; ; ; ; ; ;			
1360	1st floor flooring	12 02-20-20	03-06-20		1		1	1	1	:		1st floor flooring	1
1450	2nd floor flooring	10 03-04-20	03-18-20		1						: - =	2nd floor	flooring
Windows a	& Doors NT	15 01-07-20	01-30-20			i	i	1	i	; 	01-30-20, Windows & Doom NT		1
	1st floor door & window frames	5 01-07-20	01-13-20	•		+		·			· · · · · · · · · · · · · · · · · · ·		-+
1150				-	1					st floor door & st floor door 8 st floor door 8	wildowirames		
1220	2nd floor door & window frames	5 01-07-20	01-13-20		1	1	1	1		→ 2nd floor door 8	wnoovittames		
1290	1st floor: hang doors & windows	10 01-14-20	01-30-20		1	1	1	1	1		1st floor: hang doors & windows 2nd floor: hang doors & windows		1
1370	2nd floor: hang doors & windows	10 01-14-20	01-30-20		1	1	i	1	i		2nd floor. hang doors & windows		1
Zapp Elect	ric Co	37 01-10-20	03-09-20		1		1			· · · · · · · · · · · · · · · · · · ·		🔫 03-09-20, Zapp E	echic Co.
				·		+				+++			
1130	1st floor electrical rough-in	4 01-10-20	01-16-20	-	1						ncai rough-in		
1200	2nd floor electrical rough-in	4 01-10-20	01-16-20		1					2nd floor elements	trical rough-in		
1350	1st floor electrical finish	6 02-11-20	02-18-20	1	1							al finish	
1430	2nd floor electrical finish	6 02-24-20	03-02-20	1 1		1	1	1	I	1		d floor electrical finish	1
1500	Electrical final	4 03-04-20	03-09-20		1							Electrical final	
													1

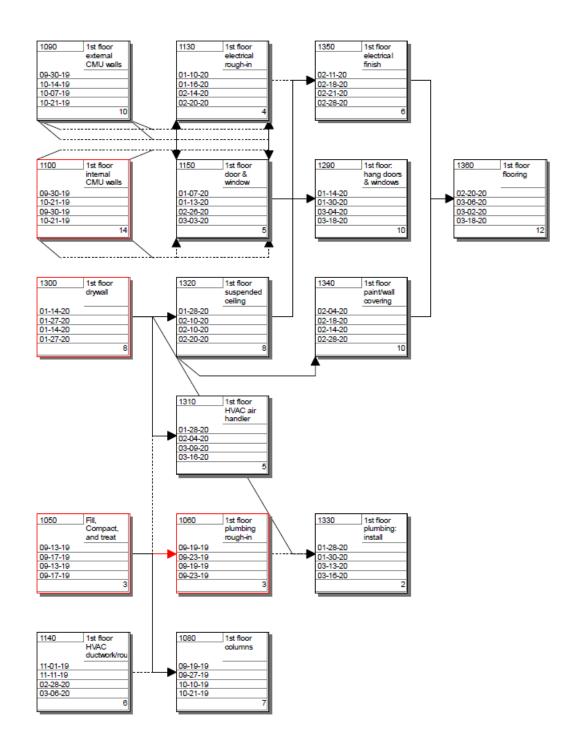
Assignmetn 1.6.H

Activity ID	Activity Name	Origina Duratio	I Predecesso	Start	Finish		Qtr 3, 2019			Qtr 4, 2019			Qtr 1, 2020		
		Duratio	n			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1000	NTP	(0	08-05-19	08-05-19		NTP								
1010	Mobilization		3 1000	08-05-19	08-08-19		Mobilization								
1020	Clear & Grub	1	2 1010	08-09-19	08-27-19			Clear & Grub							
1030	Excavation		7 1020	08-15-19	08-26-19			cavation			, , ,				
1040	Foundation	1	5 1030, 10:	08-20-19	09-12-19		-	Foundation							
1050	Fill, Compact, and treat soil	;	3 1040	09-13-19	09-17-19				act, and treat soil			1			
1060	1st floor plumbing rough-in	;	3 1050	09-19-19	09-23-19			- 🗖 1st f	foor plumbing rough-in						
1070	SOG		4 1060	09-24-19	09-27-19			⊢ ∎:	SOG						
1100	1st floor internal CMU walls	14	4 1070	09-30-19	10-21-19			L -	1st floo	rinternal CMU walls					
1110	2nd floor suspended slab	1	8 1080, 101	10-22-19	10-31-19					2nd floor suspended slab					
1180	2nd floor internal CMU walls	1	8 1110	11-05-19	12-02-19					L	2nd floor internal CMU w				
1190	Roof trusses	1	B 1160, 117	12-03-19	12-13-19						Roof trusses				
1230	Roof Sheating	1	5 1190	12-16-19	12-23-19						Roo	f Sheating			
1240	Roof feit		1 1230	12-24-19	12-24-19						Ro	felt			
1250	Building dry-in		0 1240	12-26-19	12-26-19						🚽 в	uiding dry-in			
1280	Internal partition framing	1	2 1250	12-26-19	01-13-20			+				Internal partitio			
1300	1st floor drywall	1	8 1280	01-14-20	01-27-20								st floor drywall		
1380	2nd floor drywall	1	B 1300	01-28-20	02-10-20							-	2nd floor drywall		
1400	2nd floor suspended ceiling	1	8 1270, 131	02-11-20	02-21-20								2nd f	por suspended œiling	
1420	2nd floor paint/wall covering	1	1 1400	02-17-20	03-03-20									2nd floor paint/wall coveri	
1430	2nd floor electrical finish		8 1200, 14(02-24-20	03-02-20			+					L	2nd floor electrical finish	
1450	2nd floor flooring	1	0 1420, 14:	03-04-20	03-18-20									2nd floor fi	poring
1510	Building deanup	:	2 1265, 120	03-19-20	03-20-20									🛏 Building (deanup
1520	Final check/CO		1 1470, 15	03-23-20	03-23-20									Final e	hedk/CO

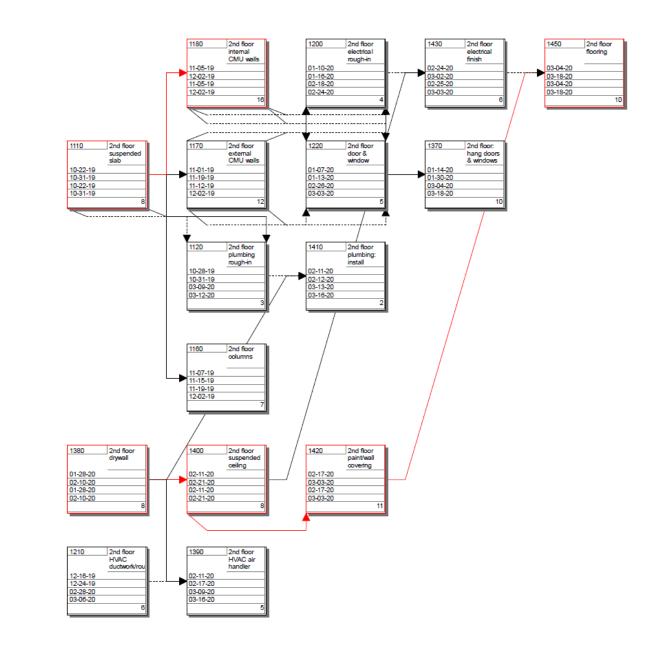


Assignment 1.6.I

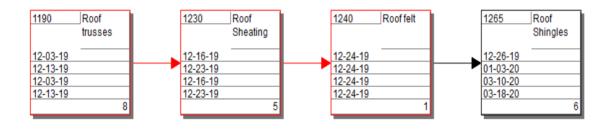
Tampa Office-1.1st 1st Floor



Tampa Office-1.2nd 2nd Floor

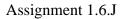


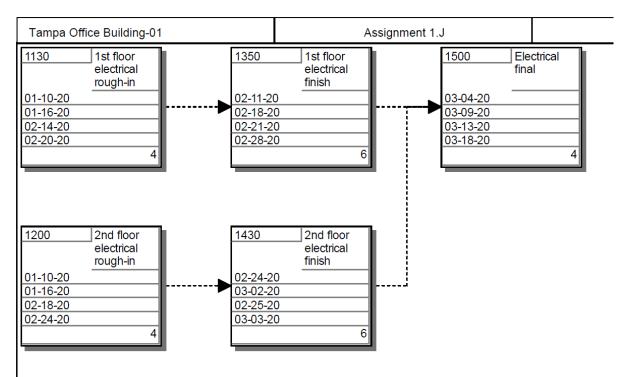
Tampa Office-1.Roof Roof



1270	Roof Insulation
12-26-19 12-27-19 02-07-20 02-10-20	2

1260	Soffit & facia
12-26-19 12-30-19 03-03-20	
03-05-20	
	3





Assignment 2

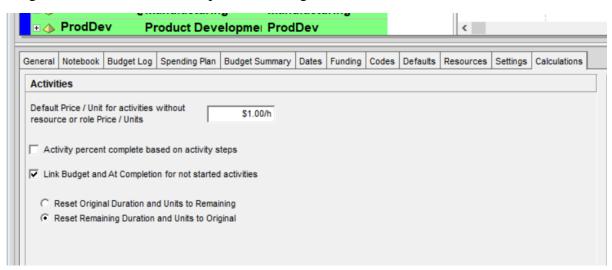
For assignment 2, we added laborer, forman, carpenter and excavator as the resources. This was done on the resources tab, by clicking on "add" at the bottom of the page. We gave each of the resource a max units/time of 10/d to make sure that at this moment there were no activities that were affected by a resource constraint.

6 Primavera P6 Professional 2	0 : Tampa Office-2 (Tampa Off	ice Building-02)								
<u>File Edit View Project I</u>	: Edit View Project Enterprise Jools Admin Help									
🖨 🍓 . 🕯 🖬 🖼 Be A	\$\.									
_										
Resources										
Activities Resource	es Projects									
Display: Current Proj	ect's Resources									
Resource ID	Resource Name	Resource Type	Unit of Measure	Primary Role	Max Units/Time	Default Units / Time				
Laborer-GC	Laborer	Labor			10/d	1/d				
Forman-GC	Forman	Labor			10/d	1/d				
and outperinter die	Carpenter	Labor			10/d	1/d				
Resources	Excavator	Nonlabor			10/d	1/d				
Mesources										
2										
<u>}</u>										

Then we added resources to each of the activity from the activity tab and entered the budgeted units/time as given to us in the textbook.

= 1000	NTP		08-05-19	08-05-19			
= 1010	Mobilization	3	08-05-19	08-08-19			
= 1020	Clear & Grub	12	08-09-19	08-27-19			
= 1030	Excavation	7	08-15-19	08-26-19			
= 1040	Foundation	15	08-20-19	09-12-19			
= 1050	Fill, Compact, and treat soil	3	09-13-19	09-17-19			
= 1060	1st floor plumbing rough-in	3	09-19-19	09-23-19			
= 1070	SOG	4	09-24-19	09-27-19			
= 1080	1st floor columns	7	09-19-19	09-27-19			
a 1090	1st floor external CMU walls	10	09-30-19	10-14-19			
a 1100	1st floor internal CMU walls	14	09-30-19	10-21-19			
a 1110	2nd floor suspended slab	8	10-22-19	10-31-19			
1120	2nd floor plumbing rough-in	3	10-28-19	10-31-19			
a 1130	1st floor electrical rough-in	4	01-10-20	01-16-20			
a 1140	1st floor HVAC ductwork/rough-in	6	11-01-19	11-11-19			
1150	1st floor door & window frames	5	01-07-20	01-13-20			
1160	2nd floor columns	7	11-07-19	11-15-19			
<							>
General Status	Resources Predecessors Successors						
* *	Activity 1010		Mobilizatio	on			
Resource ID Nan	ne Budgeted Units / Time Primary Resou	urce	Remain	ing Units / Time	Original Lag	Start	Finish
Second Excavator.Ex	kca 1/d			1/d	0	08-05-19	08-08-19
Sorman-GC.	Forr 1/d			1/d	0	08-05-19	08-08-19
Laborer-GC.	Lab 3/d			3/d	0	08-05-19	08-08-19

As the budgeted total cost is a calculated parameter in primavera p6, we cannot directly enter the costs into it. There were two options that we knew of to enter costs for each activity. One, was to enter expenses for each activity. The second, the one that we followed was to insert the costs into budgeted labor cost, and make sure that all other costs were zero. Therefore, the budgeted labor cost would be equal to the budgeted total cost.



Prior to entering the budgeted labor cost, we had to set the Default price/unit for activities without resource or role price/ units to \$1.00/h. Only after doing this does primavera allow adding labor costs to activities (especially the ones without resources). This option can be found at Projects tab>Projects Details>Calculations.

After this we just added the budgeted labor cost column into our activities tab and manually entered all the values provided to us.

✓ Layout: Classic	Schedule Layout	Filter	Filter: All Activities								
Activity ID		Original Duration		Finish	Budgeted Labor Cost	Budgeted Total Cost					
— 1000	NTP	0	08-05-19	08-05-19	\$0.00	\$0.00	_				
— 1010	Mobilization	3	08-05-19	08-08-19	\$2,000.00	\$2,000.00					
1020	Clear & Grub	12	08-09-19	08-27-19	\$0.00	\$0.00					
1030	Excavation	7	08-15-19	08-26-19	\$0.00	\$0.00					
1040	Foundation	15	08-20-19	09-12-19	\$5,000.00	\$5,000.00					
1050	Fill, Compact, and treat soil	3	09-13-19	09-17-19	\$1,000.00	\$1,000.00					
1060	1st floor plumbing rough-in	3	09-19-19	09-23-19	\$2,500.00	\$2,500.00					
1070	SOG	4	09-24-19	09-27-19	\$1,500.00	\$1,500.00					
a 1080	1st floor columns	7	09-19-19	09-27-19	\$1,200.00	\$1,200.00					
a 1090	1st floor external CMU walls	10	09-30-19	10-14-19	\$9,200.00	\$9,200.00					
a 1100	1st floor internal CMU walls	14	09-30-19	10-21-19	\$7,800.00	\$7,800.00					
a 1110	2nd floor suspended slab	8	10-22-19	10-31-19	\$3,000.00	\$3,000.00					
a 1120	2nd floor plumbing rough-in	3	10-28-19	10-31-19	\$2,500.00	\$2,500.00					
— 1130	1st floor electrical rough-in	4	01-10-20	01-16-20	\$6,000.00	\$6,000.00					
a 1140	1st floor HVAC ductwork/rough-in	6	11-01-19	11-11-19	\$7,000.00	\$7,000.00					
1150	1st floor door & window frames	5	01-07-20	01-13-20	\$3,500.00	\$3,500.00					
— 1160	2nd floor columns	7	11-07-19	11-15-19	\$1,200.00	\$1,200.00					
117 0	2nd floor external CMLL walls	12	11-01-19	11-19-19	\$11,500,00	\$11,500,00					

General Status Resources Predecessors Successors

Resource ID Name	Resource II) Name
------------------	-------------	--------

Resource ID Na	ame		
Activity ID	Activity Name	Budgeted Unit / Time	
eneral C	Contractor		
Labore	r		
1010	Mobilization	3/d	
1020	Clear & Grub	4/d	
1030	Excavation	3/d	
1040	Foundation	3/d	
1050	Fill, Compact, and treat soil	2/d	
1080	1st floor columns	2/d	
1070	SOG	2/d	
1510	Building cleanup	3/d	
1520	Final check/CO	1/d	
1110	2nd floor suspended slab	2/d	
1160	2nd floor columns	2/d	
Formar	า		
1010	Mobilization	1/d	
1020	Clear & Grub	1/d	
1030	Excavation	1/d	
1040	Foundation	1/d	
1050	Fill, Compact, and treat soil	1/d	
1080	1st floor columns	1/d	
1070	SOG	1/d	
1510	Building cleanup	1/d	
1520	Final check/CO	1/d	
1110	2nd floor suspended slab	1/d	
1160	2nd floor columns	1/d	
Carpen	ter		
1040	Foundation	2/d	
1080	1st floor columns	2/d	
1070	SOG	1/d	
1110	2nd floor suspended slab	2/d	
1160	2nd floor columns	1/d	
Excava	tor		
1010	Mobilization	1/d	
1020	Clear & Grub	2/d	
1030	Excavation	1/d	
1040	Foundation	1/d	
1050	Fill, Compact, and treat soil	1/d	

Activity ID	Activity Name	Budgeted Tota Cost
GC General Contractor		
1000	NTP	\$0.00
1010	Mobilization	\$2,000.00
1020	Clear & Grub	\$0.00
1030	Excavation	\$0.00
1040	Foundation	\$5,000.00
1050	Fill, Compact, and treat soil	\$1,000.00
1070	SOG	\$1,500.00
1080	1st floor columns	\$1,200.00
1110	2nd floor suspended slab	\$3,000.00
1160	2nd floor columns	\$1,200.00
1250	Building dry-in	\$0.00
1510	Building cleanup	\$200.00
1520	Final check/CO	\$0.00
Subtotal		\$15,100.00
ACAL All Seasons AC &	Heating	
1140	1st floor HVAC ductwork/rough-i	\$7,000.00
1210	2nd floor HVAC ductwork/rough	\$7,000.00
1310	1st floor HVAC air handler	\$4,000.00
1390	2nd floor HVAC air handler	\$4,000.00
1440	HVAC: install equipment	\$22,000.00
1490	HVAC thermostat & Test	\$5,000.00
Subtotal		\$49,000.00
WALL Wall to Wall		
1300	1st floor drywall	\$6,500.00
1320	1st floor suspended ceiling	\$7,500.00
1340	1st floor paint/wall covering	\$5,700.00
1380	2nd floor drywall	\$7,000.00
1400	2nd floor suspended ceiling	\$7,500.00
1420	2nd floor paint/wall covering	\$5,400.00
1460	Stucco & paint to ext. walls	\$7,000.00
Subtotal		\$46,600.00
MART Master Art Lands	саре	
1470	Site work	\$30,000.00
Subtotal		\$30,000.00
MASE Mase & Company	,	
1090	1st floor external CMU walls	\$9,200.00
1100	1st floor internal CMU walls	\$7,800.00
1170	2nd floor external CMU walls	\$11,500.00
1180	2nd floor internal CMU walls	\$8,500.00
Subtotal		\$37,000.00

Assignment 2.2.B

ROSS Ross Carpen	tary & Framing		
1190	Roof trusses	\$10,000.0C	
1230	Roof Sheating	\$3,500.00	
1260	Soffit & facia	\$2,500.0C	
1270	Roof Insulation	\$4,000.0C	
1280	Internal partition framing	\$4,500.00	
Subtotal		\$24,500.00	
PLMX Plumbing Ex	perts		
1060	1st floor plumbing rough-in	\$2,500.00	
1120	2nd floor plumbing rough-in	\$2,500.00	
1330	1st floor plumbing: install fixture:	\$7,500.0C	
1410	2nd floor plumbing: install fixture	\$7,500.00	
1480	Plumbing Finish	\$4,500.00	
Subtotal		\$24,500.00	
RABT Rabbit-the-Fo	ooter		
1240	Roof felt	\$400.00	
1265	Roof Shingles	\$8,000.0C	
Subtotal		\$8,400.00	
TACO Tile and Carp	pet Co., Inc		
1360	1st floor flooring	\$11,000.00	
1450	2nd floor flooring	\$8,500.0C	
Subtotal		\$19,500.00	
WINT Windows & D	oors NT		
1150	1st floor door & window frames	\$3,500.00	
1220	2nd floor door & window frames	\$2,600.00	
1290	1st floor: hang doors & windows	\$5,200.00	
1370	2nd floor: hang doors & windows	\$4,200.00	
Subtotal		\$15,500.00	
ZAPP Zapp Electric	Co.		
1130	1st floor electrical rough-in	\$6,000.0C	
1200	2nd floor electrical rough-in	\$6,000.0C	
1350	1st floor electrical finish	\$15,000.0C	
1430	2nd floor electrical finish	\$17,000.0C	
1500	Electrical final	\$9,500.0C	
Subtotal		\$53,500.00	

Assignment 2.2.C

Activity ID	Budgeted Total Cost
General Contractor	\$15,100.00
All Seasons AC & Heating	\$49,000.00
Wall to Wall	\$46,600.00
Master Art Landscape	\$30,000.00
Mase & Company	\$37,000.00
Ross Carpentary & Framing	\$24,500.00
Plumbing Experts	\$24,500.00
Rabbit-the-Footer	\$8,400.00
Tile and Carpet Co., Inc	\$19,500.00
Windows & Doors NT	\$15,500.00
Zapp Electric Co.	\$53,500.00

Total

\$323,600.00

Assignment	2	.2	.D
------------	---	----	----

Activity ID	Activity Name	Budgeted Total Cost 08-01-19 - 03-31-20	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Jan 2020	Feb 2020	Mar 2020	Period Total
GC General Contract	or				I			1	1	1	1
1000	NTP										\$0.0
1010	Mobilization		\$2,000.00								\$2,000.0
1020	Clear & Grub										\$0.0
1030	Excavation										\$0.0
1040	Foundation		\$2,666.67	\$2,333.33							\$5,000.0
1050	Fill, Compact, and treat soil			\$1,000.00							\$1,000.0
1070	SOG			\$1,500.00							\$1,500.0
1080	1st floor columns			\$1,200.00							\$1,200.0
1110	2nd floor suspended slab				\$3,000.00						\$3,000.0
1160	2nd floor columns					\$1,200.00					\$1,200.0
1250	Building dry-in										\$0.0
1510	Building cleanup									\$200.00	\$200.0
1520	Final check/CO										\$0.0

ACAL All Seasons AC & Heating

Subtotal						\$10,000.00	\$20,000.00	\$30,000.00
1470	Site work					\$10,000.00	\$20,000.00	\$30,000.00
MART Master Art Lan	dscape		 					
Subtotal				\$875.00	\$18,062.50	\$26,680.68	\$981.82	\$46,600.00
1460	Stucco & paint to ext. walls			\$875.00	\$6,125.00			\$7,000.00
1420	2nd floor paint/wall covering					\$4,418.18	\$981.82	\$5,400.00
1400	2nd floor suspended ceiling					\$7,500.00		\$7,500.00
1380	2nd floor drywall				\$2,625.00	\$4,375.00		\$7,000.00
1340	1st floor paint/wall covering					\$5,700.00		\$5,700.00
1320	1st floor suspended ceiling				\$2,812.50	\$4,687.50		\$7,500.00
1300	1st floor drywall				\$6,500.00			\$6,500.00
WALL Wall to Wall								
Subtotal			 \$7,000.00	\$7,000.00	\$2,400.00	\$27,600.00	\$5,000.00	\$49,000.00
1490	HVAC thermostat & Test						\$5,000.00	\$5,000.00
1440	HVAC: install equipment					\$22,000.00		\$22,000.00
1390	2nd floor HVAC air handler					\$4,000.00		\$4,000.00
1310	1st floor HVAC air handler				\$2,400.00	\$1,600.00		\$4,000.00
1210	2nd floor HVAC ductwork/rough-in			\$7,000.00				\$7,000.00
1140	1st floor HVAC ductwork/rough-in		\$7,000.00					\$7,000.00

MASE Mase & Com	pany								
1090	1st floor external CMU walls	\$920.00	\$8,280.00					\$5	9,200.00
1100	1st floor internal CMU walls	\$557.14	\$7,242.86					\$	57,800.00
1170	2nd floor external CMU walls			\$11,500.00				\$1	11,500.00
1180	2nd floor internal CMU walls			\$7,968.75	\$531.25			St	8,500.00
Subtotal		\$1,477.14	\$15,522.86	\$19,468.75	\$531.25			\$3	7,000.00
ROSS Ross Carper	ntary & Framing								
1190	Roof trusses				\$10,000.00			\$10	0,000.00
1230	Roof Sheating				\$3,500.00			\$	3,500.00
1260	Soffit & facia				\$2,500.00			\$2	2,500.00
1270	Roof Insulation				\$4,000.00			\$4	4,000.00
1280	Internal partition framing				\$1,500.00	\$3,000.00		\$	4,500.00
Subtotal					\$21,500.00	\$3,000.00		\$24	24,500.00
PLMX Plumbing Ex	perts								
1060	1st floor plumbing rough-in	\$2,500.00						\$2	2,500.00
1120	2nd floor plumbing rough-in		\$2,500.00					\$2	2,500.00
1330	1st floor plumbing: install fixtures					\$7,500.00		S	57,500.00
1410	2nd floor plumbing: install fixtures						\$7,500.00	Si	57,500.00
1480	Plumbing Finish						\$4,500.00	\$	4,500.00
Subtotal		\$2,500.00	\$2,500.00			\$7,500.00	\$12,000.00	\$2	4,500.00
RABT Rabbit-the-F	ooter								
1240	Roof felt				\$400.00				\$400.00
1265	Roof Shingles				\$5,333.33	\$2,666.67		\$8	68,000.00
Subtotal					\$5,733.33	\$2,666.67		ş	8,400.00

TACO Tile and Car	rpet Co., Inc									
1360	1st floor flooring							\$6,416.67	\$4,583.33	\$11,000.00
1450	2nd floor flooring								\$8,500.00	\$8,500.00
Subtotal								\$6,416.67	\$13,083.33	\$19,500.00
WINT Windows & I	Doors NT									
1150	1st floor door & window frames						\$3,500.00			\$3,500.00
1220	2nd floor door & window frames						\$2,600.00			\$2,600.00
1290	1st floor: hang doors & windows						\$5,200.00			\$5,200.00
1370	2nd floor: hang doors & windows						\$4,200.00			\$4,200.00
Subtotal							\$15,500.00			\$15,500.00
ZAPP Zapp Electric	: Co.									
1130	1st floor electrical rough-in						\$6,000.00			\$6,000.00
1200	2nd floor electrical rough-in						\$6,000.00			\$6,000.00
1350	1st floor electrical finish							\$15,000.00		\$15,000.00
1430	2nd floor electrical finish							\$14, 166.67	\$2,833.33	\$17,000.00
1500	Electrical final								\$9,500.00	\$9,500.00
Subtotal							\$12,000.00	\$29,166.67	\$12,333.33	\$53,500.00
Total		\$4,666.67	\$10,010.48	\$21,022.86	\$27,668.75	5 \$35,639.58	\$61,129.17	\$111,864.02	\$51,598.48	\$323,600.00

Assignment 3

Firstly, we added the data date to the project as 4th of September 2019. This was done from the Project's Tab>Project details>Dates.

- Updating for completed activities.
- Updating activities that are in progress.
- Changing duration of an activity.

Genera	Notebook	Budget Log	Spending Plan	Budget Summary	Dates	Funding	Codes	Defaults	Resources	Settings	Calculations	
Sche	dule Dates											
Pr	oject Planned	I Start						Must Fi	nish By			
	3-05-19											
Da	ta Date							Finish				
0	-04-19							04-01-	20			
	tual Start							Actual	Finish			
0	3-05-19											

For each activity that has started and completed, we entered the dates in the status tab inside the activity details. After entering the dates, we ticked the started and finished check boxes.

General Status Resources Predecessors Successors				
Activity 1020	Clear & Grub			
Duration	Status			
Original 14	Started 0	8-09-19	Duration %	100%
Actual 14	Finished	8-29-19	Suspend	
Remaining 0	Exp Finish		Resume	
At Complete 14				
	Constraints			
Total Float	Primary <	None >	Secondary	< None >
Free Float	Date		Date	
Portfolio: All Projects Access Mode: Shar	ed Data Date: 09-04-19	Baseline: Current Project User: ADMIN	DB: PMDB (Professional)	

The foundation activity had only started and was in progress, we entered the start date and checked the started check box. This activity was expected to have a remaining duration of 10 days. We added 10 working days from the data date (based on the tampa schedule calendar) and inserted that date into the finished date (without checking the box).

6	Seneral Status Resources Pre	edecessors Successors					
Γ	- Activity	y 1040	Foundation				
	Duration		Status				
	Original	17	Started	08-23-19	Duration %	41	.18%
	Actual	7	Finished	09-19-19	Suspend		
	Remaining	10	Exp Finish	09-19-19	Resume		
	At Complete	17					
			Constraints				
	Total Float	0	Primary	< None >	Secondary	< None >	Ψ.
	Free Float	0	Date		Date		

Finally, we changed the original duration for 2nd floor suspended slab from 8 days to 10 days.

	General Status Resources Pre	decessors Successors					
l	 Activity 	1110	2nd floor suspended slab				
l	Duration		Status				
l	Original	10	Started	10-28-19	Duration %		0%
l	Actual	0	Finished	11-11-19	Suspend		
l	Remaining	10	Exp Finish		Resume		
l	At Complete	10					
l		,	Constraints				
l	Total Float	0	Primary	< None >	Secondary	< None >	~
l	Free Float	0	Date		Date		
l							
l							

After updating all the activities, we scheduled the project again.

For assignments 3.5 and later, we changed the "Must finish by" date to the original date that we got in the first assignment, i.e., 23rd March 2019. This was done from the Project's tab>project details>Dates.

6	Seneral	Notebook	Budget Log	Spending Plan	Budget Summary	Dates	Funding	Codes	Defaults	Resources	Settings	Calculations	
	Sched	lule Dates											[
ш	Proj	ect Planned	Start						Must F	inish By			1
ш	08-	05-19							03-23-	-20			 1
		a Date 04-19							Finish	-20			
	,								,				
ш		ual Start							Actual	Finish			 1
	108-	05-19							1				l
ш													1
ш													1
													I

Assignment 3.3.A

Activity ID	Activity Name	Early Start	Early Finish	Late Start	Late Finish	Total Floa
1000	NTP	09-04-19	09-04-19	09-05-19	09-05-19	
010	Mobilization	09-04-19	09-04-19	09-05-19	09-05-19	
020	Clear & Grub	09-04-19	09-04-19	09-05-19	09-05-19	
030	Excavation	09-04-19	09-04-19	09-05-19	09-05-19	
040	Foundation	09-05-19	09-19-19	09-05-19	09-19-19	0
050	Fill, Compact, and treat soil	09-20-19	09-24-19	09-20-19	09-24-19	0
060	1st floor plumbing rough-in	09-25-19	09-27-19	09-25-19	09-27-19	0
080	1st floor columns	09-25-19	10-04-19	10-17-19	10-25-19	14
070	SOG	09-30-19	10-04-19	09-30-19	10-04-19	0
100	1st floor internal CMU walls	10-07-19	10-25-19	10-07-19	10-25-19	0
090	1st floor external CMU walls	10-07-19	10-21-19	10-11-19	10-25-19	4
110	2nd floor suspended slab	10-28-19	11-11-19	10-28-19	11-11-19	0
120	2nd floor plumbing rough-in	11-05-19	11-11-19	03-18-20	03-20-20	82
170	2nd floor external CMU walls	11-12-19	12-02-19	11-21-19	12-11-19	6
140	1st floor HVAC	11-12-19	11-19-19	03-09-20	03-17-20	72
1140	ductwork/rough-in 2nd floor internal CMU walls	11-12-19	12-11-19	11-14-19	12-11-19	0
160	2nd floor columns	11-15-19	11-26-19	12-02-19	12-11-19	8
190	Roof trusses				12-11-19	0
		12-12-19	12-24-19	12-12-19	12-24-19 01-02-20	0
230	Roof Sheating 2nd floor HVAC	12-26-19	01-02-20	12-26-19		
210 240	ductwork/rough-in	12-26-19 01-03 <i>-</i> 20	01-03-20	03-09-20	03-17-20	46 0
	Roof felt		01-03-20	01-03-20	01-03-20	
250	Building dry-in	01-06-20	01-06-20	01-03-20	01-03-20	0
280	Internal partition framing	01-06-20	01-23-20	01-06-20	01-23-20	0
270	Roof Insulation	01-06-20	01-07-20	02-17-20	02-18-20	26
260	Soffit & facia	01-06-20	01-08-20	03-12-20	03-16-20	42
265	Roof Shingles	01-06-20	01-13-20	03-19-20	03-27-20	47
460	Stucco & paint to ext. walls	01-09-20	01-22-20	03-17-20	03-27-20	42
150	1st floor door & window frame:		01-23-20	03-05-20	03-12-20	31
220	2nd floor door & window frame	01-16-20	01-23-20	03-05-20	03-12-20	31
130	1st floor electrical rough-in	01-22-20	01-27-20	02-25-20	02-28-20	21
200	2nd floor electrical rough-in	01-22-20	01-27-20	02-27-20	03-03-20	23
300	1st floor drywall	01-24-20	02-06-20	01-24-20	02-06-20	0
290	1st floor: hang doors & window	01-24-20	02-10-20	03-13-20	03-27-20	31
370	2nd floor: hang doors & windows	01-24-20	02-10-20	03-13-20	03-27-20	31
380	2nd floor drywall	02-07-20	02-18-20	02-07-20	02-18-20	0
320	1st floor suspended ceiling	02-07-20	02-18-20	02-18-20	02-28-20	7
310	1st floor HVAC air handler	02-07-20	02-13-20	03-18-20	03-24-20	26
330	1st floor plumbing: install fixtures	02-07-20	02-10-20	03-23-20	03-24-20	29
340	1st floor paint/wall covering	02-13-20	02-27-20	02-25-20	03-09-20	7
400	2nd floor suspended ceiling	02-20-20	03-02-20	02-20-20	03-02-20	0
350	1st floor electrical finish	02-20-20	02-27-20	03-02-20	03-09-20	7
390	2nd floor HVAC air handler	02-20-20	02-26-20	03-18-20	03-24-20	18
410	2nd floor plumbing: install fixtures	02-20-20	02-21-20	03-23-20	03-24-20	21
470	Site work	02-24-20	03-16-20	03-09-20	03-31-20	10
480	Plumbing Finish	02-24-20	02-25-20	03-26-20	03-27-20	21
420	2nd floor paint/wall covering	02-26-20	03-12-20	02-26-20	03-12-20	0
440	HVAC: install equipment	02-27-20	02-27-20	03-26-20	03-26-20	18
360	1st floor flooring	02-28-20	03-17-20	03-10-20	03-27-20	7
430	2nd floor electrical finish	03-03-20	03-10-20	03-04-20	03-12-20	1
490	HVAC thermostat & Test	03-12-20	03-12-20	03-27-20	03-27-20	10
450	2nd floor flooring	03-13-20	03-27-20	03-13-20	03-27-20	0
500	Electrical final	03-13-20	03-18-20	03-23-20	03-27-20	6
510	Building cleanup	03-30-20	03-31-20	03-30-20	03-31-20	0
-						0

Assignment 3.3.B

vity ID	Activity Name	Early Start	Early Finish Total Floa		Qt/3, 2019			Qtr 4, 2019		Qtr 1, 2020
_		09-04-19	04-01-20	Jul	Aug	Sep	Oet	Nov	Dec	Jen
General C				<u> </u>						
1000	NTP Mobilization	09-04-19	09-04-19 09-04-19		Mobilization		1	1		
1010	Clear & Grub	09-04-19	09-04-19	-	Mobilization	we can				
1030	Exarvation	09-04-19	09-04-19			in a crub	1	1		
1040	Foundation	09-05-19	09-19-19							
1050	Fill, Compact, and treat soil	09-20-19	09-24-19	0			moact, and treat soil			
1080	1st floor columns	09-25-19	10-04-19 14	4			1st floor columns			
1070	806	09-30-19	10-04-19	0			806			
1110	2nd floor suspended slab	10-28-19	11-11-19	0	ii		i]	2nd floor suspended slab		l
1160	2nd floor columns	11-15-19	11-28-19 8	8]]			2m	á foor columns	
1250	Building dry-In	01-08-20	01-08-20	0						Building dry-in
1510	Building deanup	03-30-20	03-31-20	0	! !		!			
1520	Final check/CO	04-01-20 11-12-19	04-01-20 0							
	ns AC & Heating			<u> </u>			· · · · · · · · · · · · · · · · · · ·			
1140	1st floor HNAC ductwork/rough-in	11-12-19	11-19-19 7:	2				1st floor HVAC	ductwork/rough-in	
1210	2nd floor HVAC ductwork/rough-in 1st floor HVAC air handler	12-28-19	01-03-20 44	6						2nd floor HVAC duck
1310		02-07-20		6	! !		!			
1390	2nd floor HVAC air handler HVAC install equipment	02-20-20	02-28-20 18							
E 1490	HVAC themostat & Test	03-12-20	03-12-20 10	0	·	··· } -···-+····+	-+	··;···++[·••	
Wall to Wa		01-09-20	03-12-20 10	0						·
Wall to We 1460	Stucco & paint to ext. walls	01-09-20	01-22-20 43	2						
1460	Stucco & paint to ext. wells 1st floor drywell	01-09-20	01-22-20 42	0	i I		i l	! ! 	i i i	
a 1380	2nd floor drywell	02-07-20	02-18-20	0						
1320	1st foor suspended ceiling	02-07-20	02-18-20	7	···	··· } -····+	-+	··¦··· j -·····] ··] ···	·······	···-
1340	1st floor paint/wall covering	02-13-20	02-27-20	7						
1400	2nd foor suspended ceiling	02-20-20	03-02-20	0						
1420	2nd foor paint/wall covering	02-26-20	03-12-20	0	i i		i I	i !	1 1 1	i I I
Master Art	t Landscape	02-24-20	03-18-20 10	0						
1470	Site work	02-24-20	03-16-20 10	0	<u> </u>			··•····	·••·····	
Mase & Co		10-07-19	12-11-19	0				÷÷ + +	12-11-19, Mase & Company	
1100	1st floor internal CMU walls	10-07-19	10-25-19 0	0			14 14	or internal CMU walls		
1090	1st floor external CMU walls	10-07-19	10-21-19	4	i i		1st floor exten	of Chillende	· i - · · · · · · · · · · · · · · · · · · 	-
1170	2nd floor external CMU walls	11-12-19	12-02-19	e			·		2nd floor external CMU wells	-+
1180	2nd foor internal CMU walls	11-14-19	12-11-19	0	····		*****		2nd foor internal CMU wells	
Ross Carr	pentary & Framing	12-12-19	01-23-20 8	3					· · · · · · · · · · · · · · · · · · ·	
1190	Roof trusses	12-12-19	12-24-19	0					Roof truss	
1230	Roof Sheating	12-28-19	01-02-20	0	i i		i	i !	i \	Roof Sheeting
1280	Internal partition framing	01-08-20	01-23-20	0						-
1270	Roof Insulation	01-08-20	01-07-20 20	8	1		1		1	Roof Insulatio
1260	Sofft & facia	01-08-20	01-08-20 43	2						Soffit & lack
Plumbing	Experts	09-25-19	02-25-20 2	1						
1060	1st floor plumbing rough-in	09-25-19	09-27-19	0	ı i		st floor plumbing rough-in	_ii	<u> </u>	
1120	2nd floor plumbing rough-in	11-05-19	11-11-19 80	2				 Ind foor plumbing rough in 		
1330	1st floor plumbing: install fotures	02-07-20	02-10-20 21	9			1			
1410	2nd floor plumbing: install fotures	02-20-20	02-21-20 2	1						
1480	Plumbing Finish	02-24-20	02-25-20 21							
Rabbit-the				<u> </u>	1 1		i i	i i	1	01-
1240	Roof felt	01-03-20	01-03-20	0			. <u>.</u>			Roof fet
1265	Roof Shingles	01-08-20	01-13-20 41	7						Per Per
	arpet Co., Inc	02-28-20	03-27-20	<u> </u>						
1360	1st floor flooring	02-28-20	03-17-20	7						
1450	2nd floor flooring	03-13-20	03-27-20	0	i i		i	i	i	i
Windows	& Doors NT	01-18-20	02-10-20 3	1			1			
1150	1st floor door & window frames	01-16-20	01-23-20 31	1			1			-
1220	2nd floor door & window frames	01-18-20	01-23-20 31	1						-
1290	1st floor: hang doors & windows	01-24-20	02-10-20 3	1						
1370	2nd floor, hang doors & windows	01-24-20	02-10-20 31	1			i i	i i		
Zapp Elec		01-22-20	08-18-20	•						
1130	1st floor electrical rough-in	01-22-20	01-27-20 2	1						
1200	2nd floor electrical rough-in	01-22-20	01-27-20 22	3	! !					
1350	1st floor electrical finish	02-20-20	02-27-20	7						
1430 1500	2nd floor electrical finish	03-03-20	03-10-20	1			1	i		
	Electrical final	03-13-20	03-18-20 6	8	I I	1 · · · · · · · · · · · · · · · · · · ·	1	1	1	

Assignment 3.5

Activity ID	Activity Name	Early Star	Early Finish	Total Floa
1000	NTP	09-04-19	09-04-19	
1010	Mobilization	09-04-19	09-04-19	
1020	Clear & Grub	09-04-19	09-04-19	
1030	Excavation	09-04-19	09-04-19	
1040	Foundation	09-05-19	09-19-19	-7
1050	Fill, Compact, and treat soil	09-20-19	09-24-19	-7
1060	1st floor plumbing rough-in	09-25-19	09-27-19	-7
1080	1st floor columns	09-25-19	10-04-19	7
1070	SOG	09-30-19	10-04-19	-7
1100	1st floor internal CMU walls	10-07-19	10-25-19	-7
1090	1st floor external CMU walls	10-07-19	10-21-19	-3
1110	2nd floor suspended slab	10-28-19	11-11-19	-7
1120	2nd floor plumbing rough-in	11-05-19	11-11-19	75
1170	2nd floor external CMU walls	11-12-19	12-02-19	-1
1140	1st floor HVAC ductwork/rough-i		11-19-19	65
1140	Ist noor TWAC ductwork/rough-r	11-12-19	11-19-19	05
1180	2nd floor internal CMU walls	11-14-19	12-11-19	-7
1160	2nd floor columns	11-15-19	11-26-19	1
1190	Roof trusses	12-12-19	12-24-19	-7
1230	Roof Sheating	12-26-19	01-02-20	-7
1210	2nd floor HVAC ductwork/rough-	12-26-19	01-03-20	39
1240	Roof felt	01-03-20	01-03-20	-7
1250	Building dry-in	01-06-20	01-06-20	-7
1280	Internal partition framing	01-06-20	01-23-20	-7
1270	Roof Insulation	01-06-20	01-07-20	19
1260	Soffit & facia	01-06-20	01-08-20	35
1265	Roof Shingles	01-06-20	01-13-20	40
1460	Stucco & paint to ext. walls	01-09-20	01-22-20	35
1150	1st floor door & window frames	01-16-20	01-23-20	24
1220	2nd floor door & window frames	01-16-20	01-23-20	24
1130	1st floor electrical rough-in	01-22-20	01-27-20	14
1200	2nd floor electrical rough-in	01-22-20	01-27-20	16
1300	1st floor drywall	01-24-20	02-06-20	-7
1290	1st floor: hang doors & windows	01-24-20	02-10-20	24
1370	2nd floor: hang doors & windows	01-24-20	02-10-20	24
1380	2nd floor drywall	02-07-20	02-18-20	-7
1320	1st floor suspended ceiling	02-07-20	02-18-20	0
1310	1st floor HVAC air handler	02-07-20	02-13-20	19
1330	1st floor plumbing: install fixture:		02-10-20	22
1340	1st floor paint/wall covering	02-13-20	02-27-20	0
1400	2nd floor suspended ceiling	02-20-20	03-02-20	-7
1350	1st floor electrical finish	02-20-20	02-27-20	0
1390	2nd floor HVAC air handler	02-20-20	02-26-20	- 11
1410	2nd floor plumbing: install fixture		02-21-20	14
1470	Site work	02-24-20	03-16-20	3
1480	Plumbing Finish	02-24-20	02-25-20	14
1420	2nd floor paint/wall covering	02-24-20	02-23-20	-7
1420	HVAC: install equipment	02-20-20	02-27-20	-7 11
1360	1st floor flooring		02-27-20	0
1430	2nd floor electrical finish	02-28-20	03-17-20	-6
		03-03-20		
1490	HVAC thermostat & Test	03-12-20	03-12-20	3
1450	2nd floor flooring	03-13-20	03-27-20	-7
1500			1 0 1 0 1 C	-1
1500 1510	Electrical final Building clean up	03-13-20 03-30-20	03-18-20 03-31 <i>-</i> 20	-7

Activity ID	Activity Name	Early Star	Early Finish	Total Floa
1040	Foundation	09-05-19	09-19-19	-7
1050	Fill, Compact, and treat soil	09-20-19	09-24-19	-7
1060	1st floor plumbing rough-in	09-25-19	09-27-19	-7
1070	SOG	09-30-19	10-04-19	-7
1100	1st floor internal CMU walls	10-07-19	10-25-19	-7
1090	1st floor external CMU walls	10-07-19	10-21-19	-3
1110	2nd floor suspended slab	10-28-19	11-11-19	-7
1170	2nd floor external CMU walls	11-12-19	12-02-19	-1
1180	2nd floor internal CMU walls	11-14-19	12-11-19	-7
190	Roof trusses	12-12-19	12-24-19	-7
1230	Roof Sheating	12-26-19	01-02-20	-7
1240	Roof felt	01-03-20	01-03-20	-7
1250	Building dry-in	01-06-20	01-06-20	-7
1280	Internal partition framing	01-06-20	01-23-20	-7
1300	1st floor drywall	01-24-20	02-06-20	-7
1380	2nd floor drywall	02-07-20	02-18-20	-7
1400	2nd floor suspended ceiling	02-20-20	03-02-20	-7
1420	2nd floor paint/wall covering	02-26-20	03-12-20	-7
1430	2nd floor electrical finish	03-03-20	03-10-20	-6
1450	2nd floor flooring	03-13-20	03-27-20	-7
1500	Electrical final	03-13-20	03-18-20	-1
1510	Building cleanup	03-30-20	03-31-20	-7
1520	Final check/CO	04-01-20	04-01-20	-7

Assignment 3.6

Assignment 4

Change Order

We added the activities the same way as before, i.e., Using the add button on the command bar on the right. Inserting the activity ID and predecessors, places the activity in our schedule exactly where we want them.

··· · : ··· · · · · · · · · · · · · · ·	r 🐂 🚠 📮 🙉 🖽 🖷 🛄	🛓 💪 🚛 📰 💷 🖷	▼ • □ • #	- 💷 🚇 😪	🍢 🔰 🛃 📼	- 🔍 🔍	9, 🚍 🚸 🔟 🗭 😨 🔞	•							
Activities															
Activities Proj	ects														
✓ Layout: Classic	Schedule Layout	Filter: All Activities													
Activity ID	C Activity Name	Original Start	Finish	Budgeted Labor	Budgeted Total	Responsibility	WBS	^		Qtr 3, 2019			Qtr 4, 2019		
		Duration		Cost	Cost			_	Jul	Aug	Sep	Oct	Nov	Dec	
1000	NTP	0 08-05-19	08-05-19	\$0.00	\$0.00		Tampa Office-4upd.All	_		NTP					
1010	Mobilization	3 08-05-19	08-08-19	\$2,000.00	\$2,000.00		Tampa Office-4upd.All	_		Mobiliza					
1020	Clear & Grub	12 08-09-19	08-27-19	\$0.00	\$0.00		Tampa Office-4upd.All				Clear & Grub				
1030	Excavation	7 08-15-19	08-26-19	\$0.00	\$0.00	GC	Tampa Office-4upd.All			- -	Excavation				
1040	Foundation	15 08-20-19	09-12-19	\$5,000.00	\$5,000.00 (GC	Tampa Office-4upd.All			-	-Foun	dation			
1050	Fill, Compact, and treat soil	3 09-13-19	09-17-19	\$1,000.00	\$1,000.00	GC	Tampa Office-4upd.All			1	두 📕 Fill,	Compact, and	treat soil		
= 1060	1st floor plumbing rough-in	3 09-19-19	09-23-19	\$2,500.00	\$2,500.00	PLMX	Tampa Office-4upd.1st				- Fa	1st floor plumb	ing rough-in		
= 1070	SOG	5 09-24-19	09-30-19	\$2,000.00	\$2,000.00	GC	Tampa Office-4upd.All	_				SOG			
1080	1st floor columns	7 09-19-19	09-27-19	\$900.00	\$900.00	GC	Tampa Office-4upd.1st	_				1st floor colu	mns		
1085	FRP vault walls	6 10-01-19	10-09-19	\$800.00	\$800.00	GC	Tampa Office-4upd.1st					FRP va	ault walls		
1087	Vault door	2 10-10-19	10-11-19	\$3,000.00	\$3,000.00	WINT	Tampa Office-4upd.1st					Vault	door		
1090	1st floor external CMU walls	10 10-01-19	10-15-19	\$9,200.00	\$9,200.00	MASE	Tampa Office-4upd.1st					- 1st f	loor external C	MU walls	1.1
1100	1st floor internal CMU walls	14 10-01-19	10-22-19	\$7,800.00	\$7,800.00	MASE	Tampa Office-4upd.1st	-			۹,	1	st floor interna	CMU walls	1111
1110	2nd floor suspended slab	8 10-23-19	11.01.19	\$3.000.00	\$3.000.00		Tampa Office-4upd.2nd	-				L	2nd floor s		jb i
1120	2nd floor plumbing rough-in	3 10-29-19	11-01-19	\$2,500.00	\$2,500.00		Tampa Office-4upd.2nd	-				-	➡2nd floor p	umbina roua	him

Any of the adjustments required for existing activities were made on their respective cells. We also made the adjustments to the interrelationships of the activities through the predecessors' tab in the activity details, as seen below.

1000	NTP		0 08-05-19	08-05-19	\$0.00	\$0.00 GC	- Assig	gn Predecessors			
1010	Mobilization		3 08-05-19	08-08-19	\$2,000.00	\$2,000.00 GC	✓ Displa	y: All Activities			
1020	Clear & Grub		12 08-09-19	08-27-19	\$0.00	\$0.00 GC	Searc				
1030	Excavation		7 08-15-19	08-26-19	\$0.00	\$0.00 GC	Searc				
1040	Foundation		15 08-20-19	09-12-19	\$5,000.00	\$5,000.00 GC	Activity ID		C Activity Name	Activity Status	^
1050	Fill, Compact, and treat soil		3 09-13-19	09-17-19	\$1,000.00	\$1,000.00 GC		1250	Building dry-in	Not Started	
1060	1st floor plumbing rough-in		3 09-19-19	09-23-19	\$2,500.00	\$2,500.00 PLMX		1280	Internal partition framing	Not Started	
1070	SOG		5 09-24-19	09-30-19	\$2,000.00	\$2,000.00 GC		1440	HVAC: install equipment	Not Started	
1080	1st floor columns		7 09-19-19	09-27-19	\$900.00	\$900.00 GC		1460	Stucco & paint to ext. walls	Not Started	
1085	FRP vault walls		6 10-01-19	10-09-19	\$800.00	\$800.00 GC		1470	Site work	Not Started	
1087	Vault door		2 10-10-19	10-11-19	\$3,000.00	\$3,000.00 WINT		1480	Plumbing Finish	Not Started	
1090	1st floor external CMU walls		10 10-01-19	10-15-19	\$9,200.00	\$9,200.00 MASE		1490	HVAC thermostat & Test	Not Started	
1100	1st floor internal CMU walls		14 10-01-19	10-22-19	\$7,800.00	\$7,800.00 MASE		1500	Electrical final	Not Started	
1110	2nd floor suspended slab		8 10-23-19	11-01-19	\$3,000.00	\$3,000.00 GC		= 1510	Building cleanup	Not Started	
1120	2nd floor plumbing rough-in		3 10-29-19	11-01-19	\$2,500.00	\$2,500.00 PLMX		1520	Final check/CO	Not Started	
1130	1st floor electrical rough-in		4 01-13-20	01-17-20	\$6,000.00	\$6,000.00 ZAPP		1st Floor			
1140	1st floor HVAC ductwork/rough	-in	6 11-04-19	11-12-19	\$7,000.00	\$7,000.00 ACAL		1060	1st floor plumbing rough-in	Not Started	
1150	1st floor door & window frames		5 01-08-20	01-14-20	\$3,500,00	\$3.500.00 WINT		= 1080	1st floor columns	Not Started	
canal Chat	s Resources Predecessors Succes							1085	FRP vault walls	Not Started	
		ssors						1087	Vault door	Not Started	
* *	Activity 1110		2nd floor	suspended slab				= 1090	1st floor external CMU walls	Not Started	
Activity ID	Activity Name	Relations	Lan Activity	Status Primary Re	esource			1100	1st floor internal CMU walls	Not Started	
1080	1st floor columns	FS	0 Not Start		coource			= 1130	1st floor electrical rough-in	Not Started	
1085	FRP yault walls	FS	0 Not Start					1140	1st floor HVAC ductwork/rough-in	Not Started	~
1090	1st floor external CMU walls	FS	0 Not Start								
1100	1st floor internal CMU walls	FS	0 Not Start								

After adding the new activities and their respective information and adjusting the existing activities we scheduled the project again.

🛱 Assign 🗮 Remove 🔐 GoTo

G	eneral	Notebook	Budget Log	Spending Plan	Budget Summary	Dates	Funding	Codes	Defaults	Resources	Settings	Calculations	
	Schee	lule Dates	•										
	08- Dat	ject Planned -05-19 a Date -05-19	J Start						Must Fi Finish				
	Act	tual Start							Actual	Finish			

The project's finish date has increased by one day after applying the change order, i.e., from 23rd March 2020 to 24th March 2020.

Assignment 4.4.A

Activity ID	Activity Name	Original Duratio	Early Start	Early Finish	Total Floa	Responsibility	WBS
1000	NTP	0	08-05-19	08-05-19	0	GC	Tampa Office-4upd.All
1010	Mobilization	3	08-05-19	08-08-19	0	GC	Tampa Office-4upd.All
1020	Clear & Grub	12	08-09-19	08-27-19	0	GC	Tampa Office-4upd.All
1030	Excavation	7	08-15-19	08-26-19	0	GC	Tampa Office-4upd.All
1040	Foundation	15	08-20-19	09-12-19	0	GC	Tampa Office-4upd.All
1050	Fill, Compact, and treat soil	3	09-13-19	09-17-19	0	GC	Tampa Office-4upd.All
1060	1st floor plumbing rough-in	3	09-19-19	09-23-19	0	PLMX	Tampa Office-4upd.1st
1070	SOG	5	09-24-19	09-30-19	0	GC	Tampa Office-4upd.All
1080	1st floor columns	7	09-19-19	09-27-19	15	GC	Tampa Office-4upd.1st
1085	FRP vault walls	6	10-01-19	10-09-19	8	GC	Tampa Office-4upd.1st
1087	Vault door	2	10-10-19	10-11-19	58	WINT	Tampa Office-4upd.1st
1090	1st floor external CMU walls	10	10-01-19	10-15-19	4	MASE	Tampa Office-4upd.1st
1100	1st floor internal CMU walls	14	10-01-19	10-22-19	0	MASE	Tampa Office-4upd.1st
1110	2nd floor suspended slab	8	10-23-19	11-01-19	0	GC	Tampa Office-4upd.2nd
1120	2nd floor plumbing rough-in	3	10-29-19	11-01-19	82	PLMX	Tampa Office-4upd.2nd
1130	1st floor electrical rough-in	4	01-13-20	01-17-20	21	ZAPP	Tampa Office-4upd.1st
1140	1st floor HVAC ductwork/rough-ir	6	11-04-19	11-12-19	72	ACAL	Tampa Office-4upd.1st
1150	1st floor door & window frames	5	01-08-20	01-14-20	31	WINT	Tampa Office-4upd.1st
1160	2nd floor columns	7	11-08-19	11-18-19	8	GC	Tampa Office-4upd.2nd
1170	2nd floor external CMU walls	12	11-04-19	11-21-19	6	MASE	Tampa Office-4upd.2nd
1180	2nd floor internal CMU walls	16	11-07-19	12-03-19	0	MASE	Tampa Office-4upd.2nd
1190	Roof trusses	8	12-05-19	12-16-19	0	ROSS	Tampa Office-4upd.Roof
1200	2nd floor electrical rough-in	4	01-13-20	01-17-20	23	ZAPP	Tampa Office-4upd.2nd
1210	2nd floor HVAC ductwork/rough-i	6	12-17-19	12-26-19	46	ACAL	Tampa Office-4upd.2nd
1220	2nd floor door & window frames	5	01-08-20	01-14-20	31	WINT	Tampa Office-4upd.2nd
1230	Roof Sheating	5	12-17-19	12-24-19	0	ROSS	Tampa Office-4upd.Roof

1240	Roof felt	1	12-26-19	12-26-19	0	RABT	Tampa Office-4upd.Roof
1250	Building dry-in	0	12-27-19	12-27-19	0	GC	Tampa Office-4upd.All
1260	Soffit & facia	3	12-27-19	12-31-19	42	ROSS	Tampa Office-4upd.Roof
1265	Roof Shingles	6	12-27-19	01-06-20	47	RABT	Tampa Office-4upd.Roof
1270	Roof Insulation	2	12-27-19	12-30-19	26	ROSS	Tampa Office-4upd.Roof
1280	Internal partition framing	12	12-27-19	01-14-20	0	ROSS	Tampa Office-4upd.All
1290	1st floor: hang doors & windows	10	01-16-20	01-31-20	31	WINT	Tampa Office-4upd.1st
1300	1st floor drywall	8	01-16-20	01-28-20	0	WALL	Tampa Office-4upd.1st
1310	1st floor HVAC air handler	5	01-30-20	02-06-20	26	ACAL	Tampa Office-4upd.1st
1320	1st floor suspended ceiling	8	01-30-20	02-11-20	7	WALL	Tampa Office-4upd.1st
1330	1st floor plumbing: install fixtures	2	01-30-20	01-31-20	29	PLMX	Tampa Office-4upd.1st
1340	1st floor paint/wall covering	10	02-06-20	02-20-20	7	WALL	Tampa Office-4upd.1st
1350	1st floor electrical finish	6	02-12-20	02-20-20	7	ZAPP	Tampa Office-4upd.1st
1360	1st floor flooring	12	02-21-20	03-09-20	7	TACO	Tampa Office-4upd.1st
1370	2nd floor: hang doors & windows	10	01-16-20	01-31-20	31	WINT	Tampa Office-4upd.2nd
1380	2nd floor drywall	8	01-30-20	02-11-20	0	WALL	Tampa Office-4upd.2nd
1390	2nd floor HVAC air handler	5	02-12-20	02-18-20	18	ACAL	Tampa Office-4upd.2nd
1400	2nd floor suspended ceiling	8	02-12-20	02-24-20	0	WALL	Tampa Office-4upd.2nd
1410	2nd floor plumbing: install fixtures	2	02-12-20	02-13-20	21	PLMX	Tampa Office-4upd.2nd
1420	2nd floor paint/wall covering	11	02-18-20	03-04-20	0	WALL	Tampa Office-4upd.2nd
1430	2nd floor electrical finish	6	02-25-20	03-03-20	1	ZAPP	Tampa Office-4upd.2nd
1440	HVAC: install equipment	1	02-20-20	02-20-20	18	ACAL	Tampa Office-4upd.All
1450	2nd floor flooring	10	03-05-20	03-19-20	0	TACO	Tampa Office-4upd.2nd
1460	Stucco & paint to ext. walls	8	01-02 <i>-</i> 20	01-13-20	42	WALL	Tampa Office-4upd.All
1470	Site work	15	02-24-20	03-16-20	5	MART	Tampa Office-4upd.All
1480	Plumbing Finish	2	02-14-20	02-17-20	21	PLMX	Tampa Office-4upd.All
1490	HVAC thermostat & Test	1	03-04 <i>-</i> 20	03-04-20	10	ACAL	Tampa Office-4upd.All
1500	Electrical final	4	03-05-20	03-10-20	6	ZAPP	Tampa Office-4upd.All
1510	Building clean up	2	03-20-20	03-23-20	0	GC	Tampa Office-4upd.All
1520	Final check/CO	1	03-24-20	03-24-20	0	GC	Tampa Office-4upd.All

146 08-05-19 03-24-20

0

Activity ID	Activity Name
1000	NTP
1010	Mobilization
1020	Clear & Grub
1030	Excavation
1040	Foundation
1050	Fill, Compact, and treat soil
1060	1st floor plumbing rough-in
1070	SOG
1080	1st floor columns
1085	FRP vault walls
1087	Vault door
1090	1st floor external CMU walls
1100	1st floor internal CMU walls
1110	2nd floor suspended slab
1120	2nd floor plumbing rough-in
1130	1st floor electrical rough-in
1140	1st floor HVAC ductwork/rough
1150	1st floor door & window frames
1160	2nd floor columns
1170	2nd floor external CMU walls
1180	2nd floor internal CMU walls
1190	Roof trusses
1200	2nd floor electrical rough-in
1210	2nd floor HVAC ductwork/rough-in
1220	2nd floor door & window frame:
1230	Roof Sheating
1240	Roof felt
1250	Building dry-in
1260	Soffit & facia
1265	Roof Shingles
1270	Roof Insulation
1280	Internal partition framing
1290	1st floor: hang doors & window
1300	1st floor drywall
1310	1st floor HVAC air handler
1320	1st floor suspended ceiling
1330	1st floor plumbing: install fixture
1340	1st floor paint/wall covering

Assignment 4.4.B

Activity ID	Activity Name
1350	1st floor electrical finish
1360	1st floor flooring
1370	2nd floor: hang doors & windov
1380	2nd floor drywall
1390	2nd floor HVAC air handler
1400	2nd floor suspended ceiling
1410	2nd floor plumbing: install fixtur
1420	2nd floor paint/wall covering
1430	2nd floor electrical finish
1440	HVAC: install equipment
1450	2nd floor flooring
1460	Stucco & paint to ext. walls
1470	Site work
1480	Plumbing Finish
1490	HVAC thermostat & Test
1500	Electrical final
1510	Building cleanup
1520	Final check/CO

_

• •		4	4	\sim
Δ c c 1 0	nment			(`
roois	mnom	÷.	.+.	C.
C				_

Activity ID	Activity Name	Early Star	Early Finish	Late Start	Late Finish	Total Floa
1000	NTP	08-05-19	08-05-19	08-02-19	08-02-19	0
1010	Mobilization	08-05-19	08-08-19	08-05-19	08-08-19	0
1020	Clear & Grub	08-09-19	08-27-19	08-09-19	08-27-19	0
1030	Excavation	08-15-19	08-26-19	08-15-19	08-26-19	0
1040	Foundation	08-20-19	09-12-19	08-20-19	09-12-19	0
1050	Fill, Compact, and treat soil	09-13-19	09-17-19	09-13-19	09-17-19	0
1060	1st floor plumbing rough-in	09-19-19	09-23-19	09-19-19	09-23-19	0
1080	1st floor columns	09-19-19	09-27-19	10-11-19	10-22-19	15
1070	SOG	09-24-19	09-30-19	09-24-19	09-30-19	0
100	1st floor internal CMU walls	10-01-19	10-22-19	10-01-19	10-22-19	0
1090	1st floor external CMU walls	10-01-19	10-15-19	10-08-19	10-22-19	4
1085	FRP vault walls	10-01-19	10-09-19	10-14-19	10-22-19	8
1087	Vault door	10-10-19	10-11-19	01-13-20	01-14-20	58
1110	2nd floor suspended slab	10-23-19	11-01-19	10-23-19	11-01-19	0
120	2nd floor plumbing rough-in	10-29-19	11-01-19	03-10-20	03-13-20	82
1170	2nd floor external CMU walls	11-04-19	11-21-19	11-13-19	12-03-19	6
140	1st floor HVAC ductwork/rough	11-04-19	11-12-19	03-02-20	03-09-20	72
180	2nd floor internal CMU walls	11-07-19	12-03-19	11-07-19	12-03-19	0
160	2nd floor columns	11-08-19	11-18-19	11-21-19	12-03-19	8
190	Roof trusses	12-05-19	12-16-19	12-05-19	12-16-19	0
1230	Roof Sheating	12-17-19	12-24-19	12-17-19	12-24-19	0
210	2nd floor HVAC ductwork/rough-in	12-17-19	12-26-19	03-02-20	03-09-20	46
1240	Roof felt	12-26-19	12-26-19	12-26-19	12-26-19	0
250	Building dry-in	12-27-19	12-27-19	12-26-19	12-26-19	0
280	Internal partition framing	12-27-19	01-14-20	12-27-19	01-14-20	0
270	Roof Insulation	12-27-19	12-30-19	02-10-20	02-11-20	26
260	Soffit & facia	12-27-19	12-31-19	03-04-20	03-06-20	42
265	Roof Shingles	12-27-19	01-06-20	03-12-20	03-19-20	47
460	Stucco & paint to ext. walls	01-02-20	01-13-20	03-09-20	03-19-20	42
150	1st floor door & window frames	01-08-20	01-14-20	02-27-20	03-04-20	31
220	2nd floor door & window frame:	01-08-20	01-14-20	02-27-20	03-04-20	31
130	1st floor electrical rough-in	01-13-20	01-17-20	02-17-20	02-21-20	21
200	2nd floor electrical rough-in	01-13-20	01-17-20	02-20-20	02-25-20	23
1300	1st floor drywall	01-16-20	01-28-20	01-16-20	01-28-20	0
1290	1st floor: hang doors & window	01-16-20	01-31-20	03-05-20	03-19-20	31
1370	2nd floor: hang doors & windov	01-16-20	01-31-20	03-05-20	03-19-20	31
380	2nd floor drywall	01-30-20	02-11-20	01-30-20	02-11-20	0
320	1st floor suspended ceiling	01-30-20	02-11-20	02-11-20	02-21-20	7

Activity ID	Activity Name	Early Star	Early Finish	Late Start	Late Finish	Total Floa
1310	1st floor HVAC air handler	01-30-20	02-06-20	03-10-20	03-17-20	26
1330	1st floor plumbing: install fixture	01-30-20	01-31-20	03-16-20	03-17-20	29
1340	1st floor paint/wall covering	02-06-20	02-20-20	02-17-20	03-02-20	7
1400	2nd floor suspended ceiling	02-12-20	02-24-20	02-12-20	02-24-20	0
1350	1st floor electrical finish	02-12-20	02-20-20	02-24-20	03-02-20	7
1390	2nd floor HVAC air handler	02-12-20	02-18-20	03-10-20	03-17-20	18
1410	2nd floor plumbing: install fixtur	02-12-20	02-13-20	03-16-20	03-17-20	21
1480	Plumbing Finish	02-14-20	02-17-20	03-18-20	03-19-20	21
1420	2nd floor paint/wall covering	02-18-20	03-04-20	02-18-20	03-04-20	0
1440	HVAC: install equipment	02-20-20	02-20-20	03-18-20	03-18-20	18
1360	1st floor flooring	02-21-20	03-09-20	03-03-20	03-19-20	7
1470	Site work	02-24-20	03-16-20	03-02-20	03-23-20	5
1430	2nd floor electrical finish	02-25-20	03-03-20	02-26-20	03-04-20	1
1490	HVAC thermostat & Test	03-04-20	03-04-20	03-19-20	03-19-20	10
1450	2nd floor flooring	03-05-20	03-19-20	03-05-20	03-19-20	0
1500	Electrical final	03-05-20	03-10-20	03-16-20	03-19-20	6
1510	Building cleanup	03-20-20	03-23-20	03-20-20	03-23-20	0
1520	Final check/CO	03-24-20	03-24-20	03-24-20	03-24-20	0

Assignment 4.4.D

| Innelor Int Voltazion Clara & Grub Exavation Clara & Grub Exavation Fil, Compact, and treat soil Sti foor okums SOG ProP valut Valis 2nd foor suspended slab 2nd foor ocuums Exulding dynh Exulding dynh Exulding dynh Exulding davlup Final chedvico ACC & Henting Ist foor HA/C dutwork/itough-h Taral chedvico ACC is Henting Statoor HA/C dutwork/itough-h HA/C Instal equipment HA/C Instal equipment HA/C themostat & Test Stuppended saling Statoor synait Statoo | 146 0305-19 0 0305-19 3 0805-19 12 0809-19 15 0520-19 3 0315-19 3 0315-19 3 0315-19 5 0924-19 6 1001-19 8 1023-19 0 1327-19 2 03000 1 032420 7 1404-19 6 1404-19 6 1404-19 6 1404-19 6 1404-19 6 1404-19 6 1404-19 6 1404-19 6 1404-19 6 1404-19 6 1404-19 7 1030420 1 030420 1 030420 40 018229 8 014020 8 014020 8 014020 8 | 032420 08-05-19 08-05-19 08-05-19 08-05-19 09-12-19 09-12-19 09-12-19 09-12-19 09-12-19 09-12-19 09-27-19 09-30-19 11-18-19 12-27-19 03-24-20 03-24-20 03-24-20 03-24-20 03-24-20 03-24-20 03-24-20 03-24-20 03-304-20 03-304-20 03-304-20 03-304-20 03-304-20 03-304-20 03-304-20 03-304-20 | | | - | Indiation
Fill, Compa
 | 1st floor (
SOG | columns | | Nov | | | Building dry

 | Jan
Hin
 | | | Feb | | | Building
 | check/CO | |
|---|--|--|--|---
---|--|---|---|--|--|---|---
--
--
--
---|---|---|---|--|---
---|--|---|
| NTP Mobilization Gara & Grub Excavation File, Compact, and treat sol I sti foor oolumns SOG SOG STPP valut walls and foor supended slab and foor oolumns Exulding gray-n Exulding day-n Ex | 0 08-05-19
3 08-05-19
12 08-09-19
7 08-15-19
3 09-13-19
7 09-19-19
5 09-24-19
6 10-01-19
8 10-23-19
0 13-27-19
2 03-20-20
1 03-24-20
1 03-24-20
5 01-12-27-19
5 01-30-20
1 03-04-20
1 03-04-20
8 01-02-20
8 01-02-20
8 01-02-20
8 01-02-20
8 01-02-20
8 01-15-20
8 01-15-10
8 01-15-10
8 01-15-10
8 01-15-10
8 01-15-10
8 | 08-05-19
08-05-19
08-27-19
09-22-19
09-12-19
09-12-19
09-30-19
10-09-19
11-01-19
11-18-19
11-27-19
03-23-20
03-24-20
03-24-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04- | | Mobilization | Excavation | Fill, Compa | 1st floor (
SOG | columns
 | | - 2nd floor obl | | | Building dry
 | 4n

 | | | | | | Buildin | g deanup
heck/CO
 | |
| Veoletzeinn
Carar & Grub
Excavation
Foundation
Fit, Compad, and treat soil
Ist foor oolumns
DOG
PTPP vaat wate
And foor suppented stab
2nd foor oolumns
Building darup
Triad arbed vool
And foor HAMC distantion you
Triad arbed vool
And foor HAMC distantion you
Tart foor HAMC distantion you
Zhaf foor dirywall
Statoo & paint to ext. watis
Ist foor anywall
Zhaf foor ginywall | 3 0905-19
12 0809-19
7 08-15-19
15 0920-19
3 0915-19
7 09-19-19
5 0924-19
6 1001-19
8 1023-19
0 1327-19
0 1327-19
0 1327-19
0 1327-19
0 1327-19
1 032420
1 032420
1 030420
1 030420
1 030420
8 0140220
8 0145220
8 0145220 | 08-08-19
08-26-19
08-26-19
09-12-19
09-27-19
09-30-19
11-09-19
11-09-19
11-18-19
12-27-19
03-22-20
03-024-20
03-024-20
03-024-20
02-16-20
02-6-20
02-6-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
0
0-04-20
0
0-04-20
0
0-04-20
0
0
0
0
0
0
0
0
0
0
0
0
0 | | Mobilization | Excavation
 | Fill, Compa | 1st floor (
SOG | columns | | - 2nd floor obl | | | Building dry

 |
 | | | | |
 | Final 6 | check/CO | |
| Clear & Gub
Excavation
Fill, Compact, and treat soil
sit foor oxiums
50G
FIP value Valis
2nd foor suspended siab
2nd foor oxiums
Exiting day-in
Exiting day-in
Exiting day-in
Exiting day-in
Exiting to the Content oxium
field foor HAC discherkinger-
1st foor HAC discherkinger-
1st foor HAC discherkinger-
1st foor HAC and scherkinger-
test foor HAC and scherkinger-
test foor day-
and foor HAC and scherkinger-
test foor day-
Statoo Exit Actional Scherkinger-
Statoo Exit Actional Scherkinger-
Schork Exit Actional Scherkinger-
Schork Actional Scherkinger-
Schork Actional Scherkinger-
Schork Actional Scherkinger-
Schork Actional Scherkinger- | 12 0809-19
7 08-15-19
15 08-20-19
3 08-13-19
7 08-19-19
5 0924-19
6 1001-19
8 1023-19
0 1327-19
0 1327-19
0 1324-20
1 0334-30
5 01-3020
5 01-3020
5 01-3020
1 0234-20
1 023 | 08-27-19
09-12-19
09-12-19
09-27-19
09-27-19
09-27-19
10-09-19
11-01-19
11-01-19
11-01-19
11-01-19
11-02-19
03-24-20
03-24-20
03-24-20
03-24-20
02-16-20
02-16-20
02-06-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04- | | 5 | Excavation | Fill, Compa
 | 1st floor (
SOG | columns | | - 2nd floor obl | | | Building dry
 | 4n

 | | | | 03-0 | | Final 6
 | check/CO | |
| Disastion
Paintation
Fil, Compaid, and Iteat soil
Ist floor oolumns
SOG
PRP vaak walls
And floor supended siab
2nd floor oolumns
Building deanup
Prind cheak/CO
ACC & Hoesting
Stiftoor HMAC disknowitough-in
and floor HMAC disknowitough-in
tist floor HMAC at handler
HMAC Insert eugenetic
Auto Insert eugenetic
Statoor HMAC at handler
HMAC Insert eugenetic
Statoor Bapart to ext. walls
Ist floor raywall
Chi flo | 7 08-15-19
15 08-20-19
3 09-13-19
7 09-19-19
5 09-24-19
6 100-1-19
8 10-23-19
7 11-08-19
7 11-08-19
7 11-08-19
2 03-20-20
1 03-24-20
7/3 11-04-19
6 12-17-19
5 03-20-20
1 03-04-20
1 03-04-20
8 01-16-20
8 0 | 09-25-19
09-12-19
09-17-19
09-27-19
09-30-19
10-09-19
11-09-19
11-18-19
11-18-19
11-227-19
03-23-20
03-24-20
03-24-20
03-24-20
03-24-20
02-18-20
02-48-20
02-48-20
03-04-20
03-04-20 | | | Excavation | Fill, Compa | 1st floor o
SOG | columns
 | | - 2nd floor obl | | | Building dry
 | 4n

 | | | | | | Final 6 | check/CO |
 |
| Paundabn Fil, Compad, and Ireat sol Sito concurs SOG Fil, Compad, and Ireat sol SOG | 15 0920-19
3 09-13-19
7 09-19-19
5 0924-19
6 1021-19
7 11-08-19
0 1227-19
2 032020
1 032420
5 01-3020
5 01-3020
5 01-3020
1 022420
1 032420
1 032420
8 01-0220
8 01-1520
8 01-1520 | 09-12-19
09-17-19
09-27-19
09-30-19
11-09-19
11-18-19
11-18-19
11-18-19
11-18-19
11-22-7-19
03-22-20
03-22-20
03-22-20
03-22-20
02-18-20
02-18-20
02-08-20
03-03-00 | | | -fou
 | Fill, Compa | 1st floor o
SOG | columns | | - 2nd floor obl | | | Building dry

 | 4n
 | | | | |
 | Final 6 | check/CO | |
| Pill Compact, and treat sol SOG PiPP value valis PiPP valis PiPP valis PiPPP valis PiPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP | 3 09-13-19
7 09-19-19
5 09-24-19
6 10-24-19
8 10-23-19
7 11-08-19
1 02-24-19
2 03-20-20
1 03-24-20
1 03-24-20
5 01-30-20
5 01-12-20
1 03-04-20
8 01-12-20
8 01-15-20
8 01-1 | 09-17-19
09-20-19
09-30-19
10-09-19
11-01-19
11-18-19
11-18-19
11-27-19
03-23-20
03-24-20
03-24-20
03-24-20
03-24-20
02-18-20
02-18-20
02-08-20
03-04-20
03-04-20 | | | - | Fill, Compa
 | 1st floor o
SOG | columns | | - 2nd floor obl | | | Building dry
 | 4n

 | | | | | | Final 6
 | check/CO | |
| Ist for ocurinns SoG SoG TPP Vault wals TPP Vault wals TPP Vault wals Dati for osumns Building darup Prinal cheak/OC ACC & Heating Titl for HA/C datuktion/traght and foor HA/C datuktion/traght Titl for target Titl for target Titl for target Titl for part to ext, wals Titl for part | 7 09-19-19
5 09-24-19
6 10-01-19
7 11-08-19
2 03-02-01
1 03-24-20
7 5 11-08-19
6 10-24-20
7 5 11-08-19
6 10-24-19
5 01-30-20
1 02-02-02
1 02-02-02
1 02-02-02
1 02-02-02
1 02-02-02
1 02-02-02
8 01-02-02
8 | 09-27-19
09-30-19
10-09-19
11-01-19
11-01-19
11-27-19
03-23-20
03-23-20
03-24-20
03-24-20
03-24-20
03-25-19
12-25-19
12-25-19
12-25-19
02-05-20
02-05-20
02-05-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04- | | | | | 1st floor o
SOG | columns
 | | - 2nd floor obl | | = | Building dry
 | 4n

 | | | | | | Final 6 | check/CO
 | |
| 2006
TPP vault wals
2nd foor supended stab
2nd foor columns
Building genup
Final checkico
Active Heatting
1st foor HAAC ductwork/sugh-in
2nd foor HAAC ductwork/sugh-in
2nd foor HAAC ductwork/sugh-in
2nd foor HAAC ductwork/sugh-in
1st foor HAAC at handler
HAAC Install equipment
HAAC Install equipment
HAAC Install equipment
HAAC Install equipment
Shook 5 paint to est. wals
1st foor anywall
2nd foor drywall
1st foor paywall
2nd foor enymall
1st foor paywall
1st foor paywall covering | 5 092419
6 1001-19
8 1023-19
7 1108-19
0 1227-19
2 032020
1 032420
1 032420
1 032420
5 013020
5 013020
1 032420
1 032420
1 032420
8 014220
8 014520
8 014520
8 014520 | 09-30-19
10-09-19
11-01-19
11-18-19
12-27-19
03-23-20
03-24-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04- | | |
 | | SOG | | | - 2nd floor obl | | | Building dry

 | An
 | | | | | | |
 | Final 6 | check/CO | |
| HPP Vacut valie And foor columns Eucling gray-n Eucling gray-n Eucling gray-n Eucling gray-n Eucling gray-n Eucling descrip Inst checking Inst Inst checking Inst checking Inst | 6 1001-19
8 1023-19
7 11-08-19
2 0320-20
1 0324-20
7/3 11-04-19
6 12-17-19
5 01-30-20
5 02-12-20
1 02-20-20
1 02-20-20
8 01-02-20
8 01-02-20
8 01-16-20
8 01-16-20 | 10-09-19
11-01-19
11-18-19
12-27-19
03-24-20
03-24-20
03-24-20
03-24-20
03-24-20
02-05-20
02-05-20
02-05-20
02-05-20
03-04-20
03-04-20
03-04-20 | | | |
 | | | | - 2nd floor obl | | | Building diry

 | 4n
 | | | | | | Final 6
 | check/CO | <u> </u> |
| 2nd floor suppended slab 2nd floor solumns Eukling davnip Eukling davnup Final cheakloO ACE & Honking 1st floor HA/C ducknokitough-h 2nd floor HA/C ducknokitough-h 2nd floor HA/C ducknokitough-h 1st floor HA/C an handler 2nd floor HA/C an handler HA/C Instal equipment HA/C themostat & Test Stucos & paint to est, wals 1st floor raywal 2nd floor raywal 1st floor | 8 1023-19
7 11-06-19
0 12-27-19
2 03-00-00
1 03-24-20
7 5 11-04-19
6 11-04-19
5 01-30-00
5 01-12-00
1 02-20-00
1 02-20-00
8 01-02-20
8 01-15-20
8 01-15-20
8 01-15-20 | 11-01-19
11-18-19
12-27-19
03-23-20
03-24-20
03-24-20
03-24-20
03-24-20
03-24-20
02-06-20
02-06-20
02-06-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
03-04-20
04-04-20
04-04- | | | |
 | | | | - 2nd floor obl | | | Building diry

 | Hin
 | | | | | | Final 6
 | check/CO | |
| Building dearup
Building dearup
Tha' cheat/co
AC'. & Heatling
Its foor H-VAC ductook/inugh-n
2nd foor H-VAC ductook/inugh-n
1st foor H-VAC ductook/inugh-n
1st foor H-VAC an handler
 | 7 11-08-19
0 12-27-19
2 03-02-00
1 03-24-20
7/3 11-04-19
6 11-04-19
6 11-04-19
6 12-17-19
5 01-30-20
1 02-02-00
1 02-02-00
1 03-04-20
8 01-02-20
8 01-16-20 | 12-27-19
03-23-20
03-24-20
03-94-50
11-12-19
12-26-19
02-06-20
02-18-20
02-20-20
03-04-20
03-04-20 | | |
 | | | | | - 2nd floor obl | | - | Building diry

 | 4n
 | | | | | |
 | Final 6 | check/CO | |
| Building dearup
Building dearup
Tha' cheat/co
AC'. & Heatling
Its foor H-VAC ductook/inugh-n
2nd foor H-VAC ductook/inugh-n
1st foor H-VAC ductook/inugh-n
1st foor H-VAC an handler
 | 0 12/27-19
2 03/20/20
1 03/24/20
75 11684-19
6 11-04-19
5 12-17-19
5 01-30/20
1 02/20/20
1 02/20/20
1 03/64/20
8 01-02/20
8 01-15/20
8 01-15/20 | 12-27-19
03-23-20
03-24-20
03-94-50
11-12-19
12-26-19
02-06-20
02-18-20
02-20-20
03-04-20
03-04-20 | | |
 | | | | | | | - | Building diy

 | Hn
 | | | | | | |
 | Final 6 | check/CO | |
| Building desnup
Pinal check/CO
ACE 11 Host titry
1st floor HAMC ductwork/wagh-in
2nd floor HAMC air handler
MAC hast equipment
-MAC hast equipment
-M | 2 03-20-20
1 03-24-20
75 11-04-19
6 11-04-19
6 12-17-19
5 03-020
1 02-20-20
1 03-04-20
8 01-02-20
8 01-05-20
8 01-05-20 | 03-23-20
03-24-20
03-04-90
11-12-19
12-26-19
02-06-20
02-18-20
02-20-20
03-04-20
03-04-20 | | | |
 | | | | | | |

 |
 | | | | 034 | | Final 6
 | check/CO | <u> </u> | | | | | |
| AC is Henting
Ist toor HAC ductivoli/lough-in
Ist toor HAC ductivoli/lough-in
Ist toor HAC ari handler
2010 foor HAC ari handler
HAC Instal equipment
HAC Instal equipment
HAC Instal equipment
Stucco 8 paint to est. wals
Ist toor aywail
2010 foor drywail
1st toor suspended celling
Ist toor suspended celling
Ist toor paint covering | 79 114049
6 11-04-19
6 12-17-19
5 01-30-20
1 02-20-20
1 03-04-20
40 0140250
8 01-05-20
8 01-16-20 | 034420
11-12-19
12-26-19
02-06-20
02-18-20
02-20-20
03-04-20
03-04-20 | | |
 | | | | | | | |

 |
 | | | | 034 | | | |
 | | | + |
| AC is Henting
Ist toor HAC ductivoli/lough-in
Ist toor HAC ductivoli/lough-in
Ist toor HAC ari handler
2010 foor HAC ari handler
HAC Instal equipment
HAC Instal equipment
HAC Instal equipment
Stucco 8 paint to est. wals
Ist toor aywail
2010 foor drywail
1st toor suspended celling
Ist toor suspended celling
Ist toor paint covering | 79 114049
6 11-04-19
6 12-17-19
5 01-30-20
1 02-20-20
1 03-04-20
40 0140250
8 01-05-20
8 01-16-20 | 034420
11-12-19
12-26-19
02-06-20
02-18-20
02-20-20
03-04-20
03-04-20 | | |
 | | | | | | | |

 |
 | | | | 03 4 | | | |
 | | | T |
| Ist foor H-M-C dactworknogh-n
Zhof foor H-M-C air handler
Zhof foor H-M-C air handler
H-M-C Instal equipment
H-M-C Instal equipment
H-M-C Instal equipment
H-M-C Instal equipment
H-M-C Instal equipment
Stucco & paint to ext. walls
Ist foor anywall
Zhof foor anywall
Zhof foor anywall
Zhof foor anywall
Zhof foor panywall
Control equipment external
Ist foor panywall covering | 6 12-17-19
5 01-30-20
5 02-12-20
1 02-20-20
1 03-04-20
40 0141250
8 01-02-20
8 01-16-20 | 12-26-19
02-06-20
02-18-20
02-20-20
03-04-20
03-04-20 | | |
 | | | | الما | | | |

 |
 | | | ! | 1 1 | | | |
 | | | 1 |
| 2nd floor HAVC dischook/uogi-In
1st floor HAVC all handler
2nd floor HAVC all handler
HAVC Intel floor HAVC all handler
HAVC thermostat & Test
Stucco & paint to ext. walls
1st floor daywall
2nd floor daywall
1st floor kauspended celling
1st floor paint wall covering | 6 12-17-19
5 01-30-20
5 02-12-20
1 02-20-20
1 03-04-20
40 0141250
8 01-02-20
8 01-16-20 | 12-26-19
02-06-20
02-18-20
02-20-20
03-04-20
03-04-20 | | |
 | | 1 | | | 1st floor HMAC duct | Andk/much-In | |

 |
 |) | | | 4 1 | |
 | 1 1 | | |
| tist hoor Hun-C air handler
Durb foor H-Mo-C air handler
H-MC Install equipment
H-MC Install equipment
H-MC Instance a Test
Stucco & paint to ext. walls
tast foor drywall
Saf foor drywall
tast foor anywall
tast foor paint do ceeling
tast foor paint do ceeling | 5 01-30-20
5 02-12-20
1 02-20-20
1 03-04-20
40 01502-20
8 01-02-20
8 01-16-20 | 02-06-20
02-18-20
02-20-20
03-04-20
03:04-20 | | |
 | | | | | | | | 2nd floor HA

 | AC ductwork/ro
 | ouan in | | | | | | |
 | 1 1 | | 1 |
| 2nd floor HAAC alt handler
HAAC Install equipment
HAAC Memostat & Test
Stucco & paint to ext. walls
Ist floor altywall
2nd floor diywall
Ist floor auspended celling
Ist floor rauspended celling | 5 02-12-20
1 02-20-20
1 03-04-20
40 01-02-20
8 01-02-20
8 01-16-20 | 02-18-20
02-20-20
03-04-20
03-04-20 | | |
 | | 1 | | | | - T | |

 |
 | | | TOOT HAA | Cairhandier | | | |
 | 1 | | |
| HAC thermostat & Test
HAC thermostat & Test
Stucco & paint to ext. wails
tel floor drywail
2nd floor drywail
tel floor rauspended celling
tel floor paintwail covering | 1 02-20-20
1 03-04-20
40 01-02-20
8 01-02-20
8 01-16-20 | 02-20-20
03-04-20
03-04-20 | | |
 | | | | | | | |

 |
 | 17 | | | and floor FMAC air h | handler
 | 1 | | 1 | | | | |
| HAPC thermostat & Test
Stucco & paint to ext. walls
ist floor drywall
2nd floor drywall
1st floor suspended celling
ist floor pail/vall covering | 1 03-04-20
40 010250
8 01-02-20
8 01-16-20 | 03-04-20
03-04-20 | | |
 | ++ | · | + | | | +- | |

 | •••••
 | + | | - | HVAC: Install equi | ipment
 | ++ | | + | | | | |
| Stucco & paint to ext. walls
1st floor drywall
2nd floor drywall
1st floor paint/wall covering
1st floor paint/wall covering | 40 01-02-20
8 01-02-20
8 01-16-20 | 03-04-20 | | |
 | | 1 | | | | | |

 |
 | | | 1 | | AC them os
 | tat & Test | | |
| 1st floor drywall
2nd floor drywall
1st floor suspended ceiling
1st floor paint/wall covering | 8 01-02-20
8 01-16-20 | 01-13-20 | • · | |
 | | | | | | | | -

 |
 | ━┿━┙ | | | | -04-20, Vital
 | | | |
| 1st floor drywall
2nd floor drywall
1st floor suspended ceiling
1st floor paint/wall covering | 8 01-16-20 | | - | |
 | | 1 | | | | | | _

 |
 | & paint to | and wolk | | + | |
 | | | 1 |
| 2nd floor drywall
1st floor suspended ceiling
1st floor paint/wall covering | | 01-28-20 | | |
 | | 1 | | | | | | T

 | Sudd
 | | ext. wais
st floor diywa | | 1 | | | |
 | | | 1 |
| 1st floor suspended ceiling
1st floor paint/wail covering | | 02-11-20 | + | |
 | | · • • • | <u> </u> | | | ·+· | |

 |
 | | a noor or wa | 2nd floor | Invest | | | |
 | + | | + |
| 1st floor paint/wail covering | 8 01-30-20 | 02-11-20 | | |
 | | 1 | | | | | |

 |
 | | | | rsuspended celling | | | |
 | | | 1 |
| | 10 02-06-20 | 02-20-20 | | 1 |
 | | | | | | | |

 |
 | 17 | | | And Brook and the state | | | |
 | | | 1 |
| 2nd floor suspended ceiling | 8 02-12-20 | 02-24-20 | | 1 |
 | | | | | | | |

 |
 | | | | 200 | mondad on
 | na | | | | | | |
| 2nd floor paint/wall covering | | | | 1 |
 | | 1 | | | | | |

 |
 | | | <u>_</u> | 2 | d floor paint
 | Mal covern | | 1 |
| | 15 02-24-20 | 03-16-20 | | |
 | ++ | + | | · | | | | -++

 |
 | | ••••• | | | 0.
 | 3 16-20, Ma | der Art Landscape | + | | | | |
| | | | - | 1 |
 | | 1 | | | | | |

 |
 | | | | | | | |
 | 1 1 | | 1 |
| | | | | 1 |
 | | | | | | 1203.10 | |

 |
 | | | | | s
 | UE WORK | | | | | | |
| ipany | | | | |
 | | | | 1 | 1 | 12-03-19, N | ase a comp |

 |
 | | | | |
 | | | |
| 1st floor internal CMU walls | | | 4 | 1 | 1
 | - I - I* | 1 | 1 | floor inte | mai CMU walis | | |

 |
 | | | | 4 II | | | |
 | | | 1 |
| 1st floor external CMU walls | 10 10-01-19 | 10-15-19 | | |
 | | harand | 1st floor ex | dema O | VIU walis | | |

 | man hand
 | | | | -+ | | | |
 | | | + |
| | | | | 1 |
 | | | | - | 2nd floor | | |

 | -+
 | | | | |
 | | | |
| | | | _ | 1 | 1
 | | | | . ! ' | - | 2nd floor int | emai CNU w | 816

 |
 | | | | |
 | | | 1 |
| tary & Framing | | 01-14-20 | | 1 | 1
 | | | | 11 | 1 | | | 1

 | 11-14
 | 20, FDSS (| arpentary & | riaming | | |
 | | | 1 |
| Roof trusses | 8 12-05-19 | 12-16-19 | | 1 |
 | | | | | 1 | | Roof busse | es

 |
 | | | | | |
 | | | 1 |
| Roof Sheating | 5 12-17-19 | 12-24-19 | | |
 | | | | | | . | R | oor Sheating

 | / L
 | | | | | | | |
 | | | 1 |
| Internal partition framing | 12 12-27-19 | 01-14-20 | | |
 | | | | | | | |

 |
 | al partton | framing | | |
 | | | 1 |
| Roof Insulation | | | | | · · · · ·
 | | 1 | | 11 | | | - | Rootin

 | alation
 | | | | | |
 | | | 1 |
| | | | | |
 | _ | 1 | | | | | - | Sofit 8

 | Allacta
 | | | | | | | |
 | | | |
| perts | 94 09-19-19 | 02-17-20 | | |
 | - | 1 | | | | | |

 |
 | | | V 02 | 217-20, Flumbing F | Experts
 | | | 1 |
| 1st floor plumbing rough-in | 3 09-19-19 | 09-23-19 | | | - j - L
 | - 1st fi | oor plur | ibing rough-in | | | | |

 |
 | | | | | | | |
 | | | |
| 2nd floor plumbing rough-in | 3 10-29-19 | 11-01-19 | 1 | |
 | | | 1 | | nd floor plumbing rough in | | |

 |
 | | | | 1 | |
 | | | 1 |
| 1st floor plumbing: Install fixtures | 2 01-30-20 | 01-31-20 | 1 | |
 | | 1 | | | 1 | | 1 | 11

 | 1 1
 | | 1st floor pl | umbing: In | nstall fotures |
 | | | 1 |
| 2nd floor plumbing: Install fixtures | 2 02-12-20 | 02-13-20 | | | 1
 | | 1 | | | | | |

 |
 | ſ | | 2nd flo | oor plumbing: Install | al fotures
 | | | 1 |
| Plumbing Finish | 2 02-14-20 | 02-17-20 | | |
 | | 1 | | | | | | 1 1

 |
 | 1 | | • −− [¤ | Jumbing Pinish | | | |
 | | | 1 |
| ooter | 7 12-26-19 | 01-06-20 | | |
 | | 1 | | | | | |

 | 31-06-20 Fabr
 | alt-the-Foo | ter | | | |
 | | | |
| Roof feit | 1 12-26-19 | 12-26-19 | 1 | |
 | | | | | | | | Roof feit

 | ******
 | † | ••••• | | + | | | |
 | | | † |
| Roof Shingles | 6 12-27-19 | 01-06-20 | | |
 | | 1 | | | | | G. |

 |
 | | | | |
 | | | 1 |
| pet Co., Inc | 19 02-21-20 | 03-19-20 | | | 1
 | | 1 | | 1 | | | _ | 1 [

 |
 | ļ | | | | |
 | 03-19-20, | le and Carpet Co., Inc | 1 |
| | 12 (12-21-20) | 03-09-20 | | |
 | | 1 | | | | | | 11

 |
 | j | | - | ┢╧╢┝═┙ | 15100
 | loodoo | | 1 | | | | |
| 2nd floor flooring | | | | |
 | | 1 | | | | | |

 |
 | ļ | | | | | | |
 | | oring | |
| | | | | |
 | | ·i4 | | | | | |

 | <u>-+</u>
 | j | 01-31-20 1 | Windows 3 | & Doors M | | | |
 | | | + |
| | | | | 1 |
 | | 1 | · · · · · · · · · · · · · · · · · · · | | | | |

 |
 | 1 | | | | | | |
 | | | 1 |
| | | | | |
 | | 1 | Vault door | | | | |

 |
 | | | | | 1
 | | | |
| | | | 4 | |
 | | 1 | | 1 | | | | 1

 | -st for
 | or door 8. | window frame | es | | 1
 | | | 1 | | | | |
| | | | - | |
 | | | | | | | |

 | -2nd fic
 | Jor door 8 | window fram | nes | | | | |
 | | | |
| | | | | |
 | | + | | | | | |

 |
 | | 1st floor. h | ang doors | s B. Windows | ļ
 | | | ÷ |
| - | | | | 1 | 1
 | | 1 | | | | | |

 |
 | | 2nd floor. I | nang door | .sa windows | | | |
 | | ~~~ | 1 |
| c Co. | 37 01-13-20 | 03-10-20 | | |
 | | 1 | | | | | |

 |
 | _ | | | | 03-10-20
 | u, Zapp Elec | AC CO. | | | | | |
| 1st floor electrical rough-in | 4 01-13-20 | 01-17-20 | | |
 | | 1 | | | | | |

 | -
 | i floor elec | rical rough in | 1 | |
 | | | |
| 2nd floor electrical rough-in | 4 01-13-20 | 01-17-20 | | 1 | 1
 | | 1 | | | | | |

 |
 | d floor eler | trical rough-l | in 📃 | |
 | | | 1 |
| 1st floor electrical finish | 6 02-12-20 | 02-20-20 | | | 1
 | | 1 | | | | | |

 |
 | | L=[| | | | | |
 | | | 1 |
| 2nd floor electrical finish | 6 02-25-20 | 03-03-20 | T | |
 | | 1 | | | | | |

 |
 | † | | | 2nd | floor electric
 | cal finish | | T | | | | |
| Electrical final | 4 03-05-20 | 03-10-20 | | |
 | | 1 | | | | | |

 |
 | | | | : - | Bechica
 | ifinal | | 1 |
| 2nd | d foor paintival covering | d toor pairbivel covering 11 02-1630 t Bacagate 15 0224401 t Bacagate 15 0224401 t work 15 0224401 et oft 15 0224401 et oft 15 0224401 et oft 15 0224401 et oft 10 1001191 thoor internal CAU waits 14 10-01-19 of toor esternal CAU waits 10 1001191 of toor esternal CAU waits 11 10-01-19 at y & Framing 25 120519 of sheating 5 12-17-19 enal & Ghanting 12 12-27-19 et a facta 3 02-19-10 of op purpting rough-h 3 02-19-20 et a fa | d toor pairbal covering 11 02-1620 03-04-20 t Bacage 15 02-24-20 03-1620 t Bacage 15 02-24-20 03-1620 exott 15 02-24-20 03-1620* etott 15 02-24-20 03-1620* etott 10 10-11-19 10-23-19 etott 10 10-11-19 10-23-19 etor thermal CMU wais 10 10-01-19 10-23-19 of correstmal CMU wais 12 11-04-19 11-21-19 etor internat CMU wais 16 10-07-19 12-23-19 etor internat CMU wais 12 12-07-19 12-24-19 of stasting 5 12-17-19 12-24-19 etat a 3 12-27-19 12-30-19 etat a 3 12-27-19 12-30-19 etat a 3 12-27-19 12-31-19 etat a 3 12-27-19 12-30-19 etat a 3 12-27-19 12-31-19 etat a 3 12-27-19 12-30-19 etat a 3 12-27-19 12-31-19 etat a 3 12-27-19 12-30-19 | at foor pair/val covering 11 02-18-20 03-04-20 itilizenpic 15 02-24-20 03-16-20" attor 15 02-24-20 03-16-20" attor 15 02-24-20 03-16-20" attor 15 02-24-20 03-16-20" attor 10 00-119 10-22-19 attor 10 100-119 10-22-19 attor 11 10-19 10-22-19 attor 11 10-19 10-22-19 attor 11 12-19 10-14-20 of tusses 12 12-719 12-31-19 attor 3 12-27-19 12-31-19 attor 3 0-19-19 02-31-20 attor 3 0-21-20 02-13-20 attor 3 0-21-20 02-13-20 attor 3 0-21-20 02-13-20 attor 3 0-19-19 02-21-20 | if toor pair/val covering 11 02-18-20 03-04-20 it Bacopic 15 02-24-20 03-16-20" it Bacopic 15 02-24-20 03-16-20" it By 40 1001-19 120.03-19 it Corr Idential CMU walis 14 10-01-19 10-22-19 it foor itterial CMU walis 10 10-01-19 10-22-19 if toor itterial CMU walis 12 11-04-19 11-12-19 if toor itterial CMU walis 12 11-04-19 11-22-19 if toor itterial CMU walis 12 12-719 12-16-19 of trusses 8 12-05-19 12-16-19 of trusses 12 12-27-19 12-16-19 of trusses 12 12-27-19 12-31-19 eral of Sheating 12 12-27-19 12-31-19 eral of Sheating 12 12-27-19 12-31-19 eral of Congunsprough-h 3 0-19-19 09-23-19 eff toor planting trough-h 3 0-19-20 01-32-00 of toor planting trough-h 3 10-22-19 11-0-19 eff toor planting install fidures 2 0-14-20 02-17-20 of or planting install fidu | if toro parkival covering 11 02-18-20 03-04-20 Image: Covering Covevering Covering Covering Covering Covevering Coveri | it for particular covering 11 02-18-20 03-18-20 1 1 0 1 | it for particular covering 11 02.19.00 03.16.207 it Blackappic 15 02.42.00 03.16.207 atty 40 00.19.19 12.03.39.3 it for channal CMU valis 14 10.01.19 10.25.19 it for channal CMU valis 10 10.01.19 10.15.19 it for channal CMU valis 11 10.01.19 10.15.19 it for channal CMU valis 11 10.01.19 10.15.19 it for channal CMU valis 11 10.21.19 10.20.19 of Thesa 8 12.05.19 01.44.20 of Thesa 8 12.05.19 01.44.20 of Thesa 13 12.27.19 12.20.19 it for planting rough-m 3 0.14.20 0.14.20 it for planting rough-m 3 0.22.19 0.23.19 it for planting rough-m 3 0.22.19 0.23.19 it for planting rough-m 3 0.22.19 0.23.19 it for planting rough-m 3 0.22.14.20 0.14.20 | it nor particular covering 11 02-1520 0.314-50 it durango 15 02-24-20 0.314-50 it or return CAU valis 14 100-115 120-24-20 it or return CAU valis 10 100-119 10-24-19 it or return CAU valis 10 100-119 10-24-19 it or return CAU valis 16 10-01-19 10-14-19 it or return CAU valis 16 10-01-19 12-24-19 it or return CAU valis 12-27-19 12-24-19 it or return CAU valis 12-14-19 12-24-19 it or return CAU valis 12-27-19 12-34-19 it or return CAU valis 12-27-19 12-34-19 it or return CAU valis 12-27-19 12-34-19 it or return CAU valis 10-14-20 16-14-20 | thor particular locating 11 02-1630 03-04-00 this support 15 02-32400 03-1630 exit 15 02-32400 03-1630 intry | it for particul oxeming 11 02-14-20 03-04-20 it Sciencyce 15 02-44-20 03-14-20 auxi 15 02-44-20 03-14-20 auxi 15 02-44-20 03-14-20 auxi 15 02-44-20 03-14-20 auxi 16 10-01-19 10-22-19 floor section CMU autia 16 10-01-19 10-22-19 floor section CMU autia 16 10-01-19 10-22-19 floor section CMU autia 16 10-01-19 10-22-19 mark auto CMU autia 16 10-01-19 10-22-19 mark auto CMU autia 16 10-01-19 10-22-19 mark auto CMU autia 12 12-16-19 10-14-19 mark auto CMU autia 12 12-16-19 10-14-20 for purstring markin futur | It op particula (weining 11 02-18-20 03-04-20 With any Management 15 02-04-20 03-16-20 Work 15 02-04-20 03-16-20 Torr strand (A) usis 14 100-16 10-22-16 Torr strand (A) usis 14 100-16 10-22-16 Torr strand (A) usis 12 10-16 10-22-16 Torr strand (A) usis 12 10-16 10-16-16 Of thor stanting 12 10-16 11-22-16 Mark (A) usis 12 10-16 10-16-16 Of thor stanting 12 10-16 10-16-16 Of thor stanting 12 10-16 10-16-16 Mark (A) usis 11 10-16 10-16-16 Of thorases 10 10-16 10-16-16 Mark (A) usis 11 10-16 10-16-16 Mark (A) usis 10-16-16 10-16-16 Mark (A) usis | It Doc Halo It Doc Halo It Doc Halo Withingtom It Doc Halo Doc Halo It Doc Halo Doc Halo word It Doc Halo Doc Halo Doc Halo Doc Halo Doc Halo torr terrat CAL value It Doc Halo Doc Halo </td <td>Iteratival coving Ite 21-50 00-04-00 Withingtom 16 02-640 0.515-07 work 16 02-620 0.515-07 work 16 02-620 0.515-07 Torr read OU values 14 100-149 10-21-19 Torr read OU values 12 110-149 10-21-19 Torr read OU values 12 110-149 10-21-19 of non read OU values 16 10 11-19 10-15-19 of non read OU values 16 10 11-19 10-15-19 of non read OU values 16 10 11-19 10-15-19 of non read OU values 16 10 11-19 10-15-19 of non read OU values 16 10 11-19 10-15-19 of non read OU values 16 10 11-19 10-15-19 of name 10 10-19/19 02-17 10-16-19 of name<td>Interview Interview <thinterview< th=""> Interview <thinterview< th=""> Interview Interview</thinterview<></thinterview<></td><td>International control International control Internaterance International control In</td><td>It is to a control It is t</td><td>abs 2000 y C10 y</td><td>and working 10 (2012) 0.0100 interpretation 10 (2012) 0.0100 interpretation 10 (2012) 0.0110 interpretation 10 (2012) 0.0110 interpretation 10 (2012) 0.0110 interpretation 10 (2012) 0.0110 interpretation 0.0110 10 (2012) interpretation 0.0110 10 (2012) 0.0110 interpretation 0.0110 10 (2012) 0.0110 10 (2012) interpretation 0.0110 10 (2012) 0.0110 10 (2012) interpretation 0.0110 10 (2012) 10 (2012) 10 (2012)</td><td>Chargenergy Chargenergy Chargenergy</td><td>item parties comp It 10:103 00:103 Item parties comp Item partis comp Item partis comp</td><td>Control Control <t< td=""></t<></td></td> | Iteratival coving Ite 21-50 00-04-00 Withingtom 16 02-640 0.515-07 work 16 02-620 0.515-07 work 16 02-620 0.515-07 Torr read OU values 14 100-149 10-21-19 Torr read OU values 12 110-149 10-21-19 Torr read OU values 12 110-149 10-21-19 of non read OU values 16 10 11-19 10-15-19 of non read OU values 16 10 11-19 10-15-19 of non read OU values 16 10 11-19 10-15-19 of non read OU values 16 10 11-19 10-15-19 of non read OU values 16 10 11-19 10-15-19 of non read OU values 16 10 11-19 10-15-19 of name 10 10-19/19 02-17 10-16-19 of name <td>Interview Interview <thinterview< th=""> Interview <thinterview< th=""> Interview Interview</thinterview<></thinterview<></td> <td>International control International control Internaterance International control In</td> <td>It is to a control It is t</td> <td>abs 2000 y C10 y</td> <td>and working 10 (2012) 0.0100 interpretation 10 (2012) 0.0100 interpretation 10 (2012) 0.0110 interpretation 10 (2012) 0.0110 interpretation 10 (2012) 0.0110 interpretation 10 (2012) 0.0110 interpretation 0.0110 10 (2012) interpretation 0.0110 10 (2012) 0.0110 interpretation 0.0110 10 (2012) 0.0110 10 (2012) interpretation 0.0110 10 (2012) 0.0110 10 (2012) interpretation 0.0110 10 (2012) 10 (2012) 10 (2012)</td> <td>Chargenergy Chargenergy Chargenergy</td> <td>item parties comp It 10:103 00:103 Item parties comp Item partis comp Item partis comp</td> <td>Control Control <t< td=""></t<></td> | Interview Interview <thinterview< th=""> Interview <thinterview< th=""> Interview Interview</thinterview<></thinterview<> | International control Internaterance International control In | It is to a control It is t | abs 2000 y C10 y | and working 10 (2012) 0.0100 interpretation 10 (2012) 0.0100 interpretation 10 (2012) 0.0110 interpretation 10 (2012) 0.0110 interpretation 10 (2012) 0.0110 interpretation 10 (2012) 0.0110 interpretation 0.0110 10 (2012) interpretation 0.0110 10 (2012) 0.0110 interpretation 0.0110 10 (2012) 0.0110 10 (2012) interpretation 0.0110 10 (2012) 0.0110 10 (2012) interpretation 0.0110 10 (2012) 10 (2012) 10 (2012) | Chargenergy Chargenergy | item parties comp It 10:103 00:103 Item parties comp Item partis comp Item partis comp | Control Control <t< td=""></t<> |

esource ID		
ctivity ID	Activity Name	Budgeted Units / Tin
Seneral C	Contractor	
Labore	r	
1010	Mobilization	3/d
1020	Clear & Grub	4/d
1030	Excavation	3/d
1040	Foundation	3/d
1050	Fill, Compact, and treat soil	2/d
1080	1st floor columns	2/d
1070	SOG	2/d
1510	Building cleanup	3/d
1520	Final check/CO	1/d
1110	2nd floor suspended slab	2/d
1160	2nd floor columns	2/d
1085	FRP vault walls	2/d
Forma	n	
1010	Mobilization	1/d
1020	Clear & Grub	1/d
1030	Excavation	1/d
1040	Foundation	1/d
1050	Fill, Compact, and treat soil	1/d
1080	1st floor columns	1/d
1070	SOG	1/d
1510	Building cleanup	1/d
1520	Final check/CO	1/d
1110	2nd floor suspended slab	1/d
1160	2nd floor columns	1/d
1085	FRP vault walls	1/d
Carper	iter	
1040	Foundation	2/d
1080	1st floor columns	1/d
1070	SOG	1/d
1110	2nd floor suspended slab	2/d
1160	2nd floor columns	1/d
1085	FRP vault walls	1/d
Excava	itor	
1010	Mobilization	1/d
1020	Clear & Grub	2/d
1030	Excavation	1/d
1040	Foundation	1/d
1050	Fill, Compact, and treat soil	1/d

esponsibility Activity ID	Activity Name	Budgeted Tota Cost
General Contracto	r	
1000	NTP	\$0.00
1010	Mobilization	\$2,000.00
1020	Clear & Grub	\$0.00
1030	Excavation	\$0.00
1040	Foundation	\$5,000.00
1050	Fill, Compact, and treat soil	\$1,000.00
1070	SOG	\$2,000.00
1080	1st floor columns	\$900.00
1085	FRP vault walls	\$800.00
1110	2nd floor suspended slab	\$3,000.00
1160	2nd floor columns	\$1,200.00
1250	Building dry-in	\$0.00
1510	Building cleanup	\$200.00
1520	Final check/CO	\$0.00
btotal		\$16,100.00
AL All Seasons AC	•	
1140	1st floor HVAC ductwork/rough-	\$7,000.00
1210	2nd floor HVAC ductwork/rough-in	\$7,000.00
1310	1st floor HVAC air handler	\$4,000.00
1390	2nd floor HVAC air handler	\$4,000.00
1440	HVAC: install equipment	\$22,000.00
1490	HVAC thermostat & Test	\$5,000.00
btotal		\$49,000.00
ALL Wall to Wall		
1300	1st floor drywall	\$7,000.00
1320	1st floor suspended ceiling	\$7,500.00
1340	1st floor paint/wall covering	\$5,700.00
1380	2nd floor drywall	\$7,000.00
1400	2nd floor suspended ceiling	\$7,500.00
1420	2nd floor paint/wall covering	\$5,400.00
1460	Stucco & paint to ext. walls	\$7,000.00
btotal		\$47,100.00
ART Master Art Land	Iscape	
1470	Site work	\$30,000.00

Assignment 4.4.F

Responsibility		
Activity ID	Activity Name	Budgeted Tota Cost
Subtotal		\$30,000.0(
ASE Mase & Compa	ny	
1090	1st floor external CMU walls	\$9,200.00
1100	1st floor internal CMU walls	\$7,800.00
1170	2nd floor external CMU walls	\$11,500.00
1180	2nd floor internal CMU walls	\$8,500.00
ubtotal		\$37,000.00
OSS Ross Carpentar	y & Framing	
1190	Roof trusses	\$10,000.00
1230	Roof Sheating	\$3,500.00
1260	Soffit & facia	\$2,500.00
1270	Roof Insulation	\$4,000.00
1280	Internal partition framing	\$4,500.00
ıbtotal		\$24,500.00
LMX Plumbing Expe	rts	
1060	1st floor plumbing rough-in	\$2,500.00
1120	2nd floor plumbing rough-in	\$2,500.00
1330	1st floor plumbing: install fixture	\$7,500.00
1410	2nd floor plumbing: install fixture	\$7,500.00
1480	Plumbing Finish	\$4,500.00
ıbtotal		\$24,500.0(
ABT Rabbit-the-Foot	er	
1240	Roof felt	\$400.00
1265	Roof Shingles	\$8,000.00
ubtotal		\$8,400.00
ACO Tile and Carpet	Co., Inc	
1360	1st floor flooring	\$11,000.00
1450	2nd floor flooring	\$8,500.00
ubtotal		\$19,500.0(
VINT Windows & Doo	rs NT	
1087	Vault door	\$3,000.00
1150	1st floor door & window frames	\$3,500.00

Responsibility		
Activity ID	Activity Name	Budgeted Tota Cost
1220	2nd floor door & window frames	\$2,600.00
1290	1st floor: hang doors & windows	\$5,200.00
1370	2nd floor: hang doors & window	\$4,200.00
Subtotal		\$18,500.00
APP Zapp Electric C	о.	
1130	1st floor electrical rough-in	\$6,000.00
1200	2nd floor electrical rough-in	\$6,000.00
1350	1st floor electrical finish	\$15,000.00
1430	2nd floor electrical finish	\$17,000.00
1500	Electrical final	\$9,500.00

Assignment 5

Resource Levelling