

## **Construction Manager's Clarification**

Date: September 17, 2019

RE: CM Clarification #2 – 100% Set

Project: OSU College of Osteopathic Medicine at the Cherokee Nation

This clarification forms a part of the contract documents and modifies the original Construction Manager's Bid Book. Acknowledge receipt of this clarification in the space provided on the Form of Proposal. Failure to do so may subject bidder to disqualification.

The following clarifications are to be included in the scope of work affected:

# Item #1 Reference attached Document 003113 – Preliminary Bid Schedule to be used for bidding purposes.

a. Notice to all bidders, clarification of phasing as out lined below. Material and resources will need to be planned to work around an operational building during phase 2.

- i. Phase 1: Complete construction of levels one and two, Interior core of levels three and four of the facility. The MEP Systems must be complete and operational. Exterior shell shall be complete. The substantial completion date for Phase I of the Project is June 1, 2020 ("Phase I Substantial Completion Date").
- ii. Phase 2: Complete construction of levels three and four of the facility. The substantial completion date for Phase II of the Project shall be November 1, 2020 ("Phase II Substantial Completion Date").
- Item #2 REVISED Bid Package 6A Millwork Revised OFCI/CFCI items. Reference latest equipment schedule.

Item #3 REVISED Bid Package 26A – Electrical – Updated package to include division 27.

herokee Nation / OSU CHS	- CPM Schedule 1909xx	Classic Schee	dule Layout			17-Sep-19 15:4
ivity ID	Activity Name		Original Duration		Finish	O   N   D   J   F   M   A   M   J   J   A
Cherokee Nation	/ OSU CHS - CPM Sc	hedule 1909xx	507	01-Jan-19 A	30-Oct-20	
Project Milestor	nes		421	11-Mar-19 A	30-Oct-20	
M-1100	Cooper Flintco Contract N	TP Complete	0		11-Mar-19 A	NTP Complete
M-1110	Steel Structure Complete		0		11-Dec-19	Steel Structure Complete
M-1130	Temporary Air		0		07-Jan-20	🗴 Temporary Air
M-1140	Permenent Power		0		07-Feb-20	Rermeneht Power
M-1120	Building Dry in		0		12-Feb-20	🕏 Building Dry in
M-1150	Permenent Air On		0		17-Mar-20	Rermenent Air On
M-1160	Sitework complete		0		25-May-20	Sitework o
M-1180	Phase 1 - Basement & Lvl	1 Substantial Completion	0		01-Jun-20*	🗴 Phase 1 -
M-1170	Exterior Envelope Comple	te	0		19-Jun-20	💲 Exterio
M-1190	Phase 2 - Level 2 & 3 Sub	stantial Completion	0		30-Oct-20*	
Design			171	01-Jan-19 A	17-Sep-19	17-Şep-19, Design
D-1060	100% Drawings Complete		170	01-Jan-19 A	17-Sep-19	100% Drawings Complete
D-1010	Prepare SD Estimate		25	22-Feb-19A	19-Mar-19 A	
D-1020	Foundation and Excavatio	n Bid set Complete	20	01-Mar-19 A	20-Mar-19 A	vation Bid set Complete
D-1000	Bulk steel Bid Set Complet	e	15	01-Mar-19 A	15-Mar-19 A	plete
D-1040	Site Utilities and Grading		15	20-Mar-19 A	10-May-19 A	Grading
D-1050	Under Slab MEP Bid Set C	Complete	15	20-Mar-19 A	10-May-19 A	P Bid Set Complete
D-1030	Basement Waterproofing	nfo from ASI#1-BP3	10	16-Apr-19 A	22-Apr-19 A	proofing Info from ASI#1-BP3
D-1070	Exterior Framing Package		45	02-May-19 A	26-Jul-19A	or Framing Package
Bidding & Cont	racting		140	04-Mar-19 A	08-Oct-19	₩ 08-Oct-19, Bidding & Contracting
	on & Waterline By Owner		40	04-Mar-19 A	19-Jun-19 A	A, BP 01 - Demolition & Waterline By Owner
BP1-1000	Demolition and Waterline t	buyoutbyowner	40	04-Mar-19 A	19-Jun-19A	and Waterline buyout by owner
BP 02 - Bulk Stee	el de la companya de		11	15-Mar-19 A	09-Apr-19 A	Bulk Steel
BP2-1000	BP 02 - Receive Bid Docu	ments	0	15-Mar-19 A		ocuments
BP2-1010	BP 02 - Prepare Scope of	Work and Documents	1	15-Mar-19 A	18-Mar-19 A	e of Work and Documents
BP2-1020	BP 02 - Bid Period		10	18-Mar-19 A	29-Mar-19 A	
BP2-1030	BP 02 - Descope and Awa	rd	5	01-Apr-19 A	08-Apr-19 A	dAward
BP2-1040	BP 02 - NTP with Bid Pack	age	1	08-Apr-19 A	09-Apr-19 A	l Package
BP 03 - Foundatio	ons and Pad Excavation		16	20-Mar-19 A	15-Apr-19 A	- Foundations and Pad Excavation
BP3-1000	BP 03 - Receive Bid Docu	ments	0	20-Mar-19 A		locuments
BP3-1010	BP 03 - Prepare Scope of	Work and Documents	1	20-Mar-19 A	22-Mar-19 A	e of Work and Documents
Primary Baseline	Remaining Work	Page 1	of 13		TASK filter:	All Activities © Oracle Corporati

		CPM Schedule 1909xx	2M Schedule 1909xx Classic Sched Activity Name		Chart	17-Sep-19 1     Finish     O     N     D     J     F     M     A     M     J		
vity IE	5	Activity Name		Original Duration	Start	Finish		
	BP3-1020	BP 03 - Bid Period		10	22-Mar-19 A	02-Apr-19A		
	BP3-1030	BP 03 - Descope and Awa	ard	5	02-Apr-19 A	15-Apr-19A	hd Award	
	BP3-1040	BP 03 - NTP with Bid Pac		1	15-Apr-19 A	15-Apr-19A	lid Package	
	BP 04 - Water Pro		5		23-Apr-19A	11-Jun-19 A	, BP 04 - Water Proofing	
Г	BPxx1000	BP x - Receive Bid Docun	nents	0	23-Apr-19 A		d Documents	
	BPxx1010	BP x - Prepare Scope of	Work and Documents	15	10-May-19 A	15-May-19 A	e Scope of Work and Documents	
	BPxx1020	BP x - Bid Period		10	16-May-19 A	29-May-19 A	riod	
	BPxx1030	BP x - Descope and Awar	d	5	29-May-19 A	10-Jun-19A	Descope and Award	
	BPxx1040	BP x - NTP with Bid Packa	age	1	11-Jun-19 A	11-Jun-19 A	NTP with Bid Package	
	BP 04 - Under Sla	b MEP	-	43	10-May-19 A	10-Jun-19A	, BP 04 - Under Slab MEP	
Г	BP04-1000	BP 04 - Receive Bid Docu	ments		10-May-19 A		e Bid Documents	
	BP04-1010	BP 04 - Prepare Scope of	Work and Documents	1	13-May-19 A	15-May-19 A	e Scope of Work and Documents	
	BP04-1020	BP 04 - Bid Period		10	16-May-19 A	29-May-19 A	eriod	
	BP04-1030	BP 04 - Descope and Awa	ard	5	29-May-19 A	07-Jun-19A	Descope and Award	
	BP04-1040	BP 04 - NTP with Bid Pac	kage	1	10-Jun-19A	10-Jun-19A	- NTP with Bid Package	
	BP 05 - Exterior F	raming		56	26-Jul-19 A	23-Sep-19	▼ 23-Sep-19, BP 05 - Exterior Framing	
Г	BP05-1100	BP - Receive Bid Docume	nts	0	26-Jul-19 A		Receive Bid Documents	
	BP05-1110	BP - Prepare Scope of W	ork and Documents	1	29-Jul-19 A	29-Jul-19 A	Prepare Scope of Work and Documents	
	BP05-1120	BP - Bid Period		11	01-Aug-19 A	15-Aug-19 A	- Bid Period	
	BP05-1130	BP - Descope and Award		5	16-Aug-19 A	23-Aug-19 A	P - Descope and Award	
	BP05-1140	BP - NTP with 7C		1	10-Sep-19A	10-Sep-19A	BP - NTP with 7C	
	BP 05a - Rebid p	er owner		56	22-Aug-19 A	23-Sep-19	23-Sep-19, BP 05a - Rebid per owner	
	5a-1010	BP - Prepare Scope of W	ork and Documents	0	22-Aug-19 A	26-Aug-19 A	P - Prepare Scope of Work and Documents	
	5a-1000	BP - Receive Bid Docume	nts	0	23-Aug-19 A		P - Receive Bid Documents	
	5a-1020	BP - Bid Period		11	26-Aug-19 A	10-Sep-19A	BP - Bid Period	
	5a-1030	BP - Descope and Award		5	11-Sep-19 A	16-Sep-19A	BP - Descope and Award	
	A2250	BP 8E - Glazing notice NT	P	5	12-Sep-19 A	23-Sep-19	BP 8E - Glazing notice NTP	
	5a-1040	BP 9a Framing - NTP		5	16-Sep-19 A	17-Sep-19A	BP 9a Framing - NTP	
	A2260	BP 7A - Roofing NTP		5	17-Sep-19	23-Sep-19	BP 7A - Roofing NTP	
	A2270	BP 7F - EIFS NTP		5	17-Sep-19	23-Sep-19	BP 7F - EIFS NTP	
	A2280	BP 10F - NTP		5	17-Sep-19	23-Sep-19	BP 10F - NTP	
	A2290	BP 10K, 4A, and 7D NTP		5	17-Sep-19	23-Sep-19	BP 10K, 4A, and 7D NTP	
	BP 06 - Architectu	ral and MEP bids		28	23-Aug-19 A	08-Oct-19	■ 08-Oct-19, BP 06 - Architectural and ME	
	BP06-1100	BP 05 - Receive Bid Docu	ments	0	23-Aug-19 A		3P 05 - Receive Bid Documents	
	Primary Baseline	Remaining Work	Pa	ge 2 of 13		TASK filter:	All Activities	
	Actual Work	Critical Remaining	14	30 - 01 10			© Oracle Corpora	

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ctivity ID		Activity Name		Original Duration		Finish	
	BP06-1110	BP 05 - Prepare Scope of	Work and Documents	5	29-Aug-19 A	03-Sep-19A	BP 05 - Prepare Scope of Work and Docume
	BP06-1120	BP 05 - Bid Period		15	03-Sep-19A	24-Sep-19	BP 05 - Bid Period
	BP06-1130	BP 05 - Descope and Awa	ard	5	25-Sep-19	01-Oct-19	BP 05 - Descope and Award
	BP06-1140	BP 05 - NTP with Bid Pacl	kage	5	02-Oct-19	08-Oct-19	BP 05 - NTP with Bid Package
Su	bmittals and N	laterial Procurement		236	09-Apr-19 A	16-Mar-20	▼ 16-Mar-20, \$ubr
F	Procure and Revie	w Submittals		157	09-Apr-19 A	19-Nov-19	19-Nov+19, Procure and Review Su
	SP1000	Procure Steel Anchor bolts	s and Embeds	10	09-Apr-19 A	14-May-19 A	nchor bolts and Embeds
	SP1010	Procure Steel Sequence 1	-3 shops B,LVL1&2	20	09-Apr-19 A	27-May-19 A	Sequence 1-3 shops B,LVL1&2
	SP1020	Procure Steel Sequence 4	&5 Shops LVL1&2	25	09-Apr-19 A	03-Jun-19A	I Sequence 4&5 Shops LVL1&2
	SP1030	Procure Steel Sequence 6	S-10 Shops LVL 3	35	10-Apr-19 A	24-Jun-19A	teel Sequence 6-10 Shops LVL 3
	SP1040	Procure Steel Sequence 1	1-15 Shops ROOF	25	10-Apr-19 A	24-Jun-19A	teel Sequence 11-15 Shops ROOF
	SP1050	Procure Steel Sequence 1	6 Screenwall shops	30	10-Apr-19 A	23-Jul-19A	re Steel Sequence 16 Screenwall shops
	SP1060	Procure Steel Sequence 1	7 canopy steel shops	30	10-Apr-19 A	23-Jul-19A	re Steel Sequence 17 canopy steel shops
	SP1070	Procure Rebar and Concr	ete Submittals	10	01-May-19 A	15-May-19 A	and Concrete Submittals
	SP1080	Procure Stair Shop drawir	igs	30	14-May-19 A	05-Aug-19 A	ure Stair Shop drawings
	SP1100	Procure Site utility Submitt	als	5	10-Jun-19A	17-Jun-19A	re Site utility Submittals
	SP1120	Procure Lift Station submi	ttals	20	11-Jun-19 A	08-Jul-19A	Procure Lift Station submittals
	SP1090	Procure Foundation Wate	rproofing Submittals	5	21-Jun-19A	01-Jul-19A	re Foundation Waterproofing Submittals
	SP1280	Procure Elevator Submitta	lls	15	21-Jun-19A	27-Jun-19A	Procure Elevator Submittals
	SP1160	Procure Metal Panel Subn	nitals	30	12-Sep-19A	28-Oct-19	Procure Metal Panel Submitals
	SP1130	Procure Misc Steel Shop I	Drawings	40	17-Sep-19	11-Nov-19	Procure Misc Steel Shop Drawings
	SP1110	Procure Framing submitta	ls	15	17-Sep-19	07-Oct-19	Procure Framing submittals
	SP1150	Procure CurtainWall Subm	nittals	30	24-Sep-19	04-Nov-19	Procure CurtainWall Submittals
	SP1270	Procure Roofing Submitta	s	7	24-Sep-19	02-Oct-19	Procure Roofing Submittals
	A2300	Procure EIFS Submittals		15	24-Sep-19	14-Oct-19	Procure EIFS Submittals
	A2310	Procure wall protection su	bmittals	20	24-Sep-19	21-Oct-19	Procure wall protection submittals
	A2320	Procure metal canopy sub	omittals	20	24-Sep-19	21-Oct-19	Procure metal canopy submittals
	A2330	Procure Fireproofing subr	nittals	10	24-Sep-19	07-Oct-19	Procure Fireproofing submittals
	SP1140	Procure Masonry Submitta	als	10	09-Oct-19	22-Oct-19	Procure Masonry Submittals
	SP1170	Procure Wood Panel Sub	mittals	25	09-Oct-19	12-Nov-19	Procure Wood Panel Submittals
	SP1180	Procure Mechanical EQ S	ubmittals	15	09-Oct-19	29-Oct-19	Procure Mechanical EQ Submittals
	SP1190	Procure Plumbing Fixture/	EQ Submittals	10	09-Oct-19	22-Oct-19	Procure Plumbing Fixture/EQ Submittal
	SP1200	Procure Lighting Submitta	s	10	09-Oct-19	22-Oct-19	Procure Lighting Submittals
	Primary Baseline	Remaining Work	Paç	ge 3 of 13		TASK filter:	
	Actual Work	Critical Remaining					© Oracle Corporat

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tivity ID		Activity Name		Original Duration		Finish	
	SP1210	Procure Electrical Gear S	ubmittals	15	09-Oct-19	29-Oct-19	Frocure Electrical Gear Submittals
	SP1220	Procure Floor Covering S	ubmittals	10	09-Oct-19	22-Oct-19	Procure Floor Covering Submittals
	SP1230	Procure Owner Submittals	;	25	09-Oct-19	12-Nov-19	Procure Owner Submittals
	SP1240	Procure millwork Submitta	ls	30	09-Oct-19	19-Nov-19	Procure millwork Submittals
	SP1250	Procure Lab casework su	bmittals	15	09-Oct-19	29-Oct-19	Procure Lab casework submittals
	SP1260	Procure Fire Protection Su	ıbmittals	18	09-Oct-19	01-Nov-19	Procure Fire Protection Submittals
	SP1281	Procure Ductwork Shops		15	09-Oct-19	29-Oct-19	Procure Ductwork Shops
	A2460	Procure Head Wall Submi	tals	30	09-Oct-19	19-Nov-19	Procure Head Wall Submittals
	Submit and A/E rev	view Submittals		148	10-May-19 A	30-Dec-19	30-Dec-19, Submit and A/E re
	AE1000	Submit / Approve AB and I	Embeds	10	10-May-19 A	22-May-19 A	prove AB and Embeds
	AE1010	Submit / Approve Concrete	e Rebar Shops	7	15-May-19 A	10-Jun-19A	Approve Concrete Rebar Shops
	AE1020	Submit / Approve Steel Se	quence 1-3 shops B,LVL1&2	10	21-May-19 A	14-Jun-19A	Approve Steel Sequence 1-3 shops B,LVL1&2
	AE1030	Submit / Approve Steel Se	quence 4&5 Shops LVL1&2	10	04-Jun-19A	18-Jun-19A	Approve Steel Sequence 4&5 Shops LVL1&2
	AE1070	Submit / Approve Steel Se	quence 6-10 Shops LVL 3	10	18-Jun-19A	01-Jul-19A	Approve Steel Sequence 6-10 Shops LVL 3
	AE1060	Submit / Approve Utility pip	ing submittals	5	24-Jun-19A	08-Jul-19A	Approve Utility piping submittals
	AE1080	Submit / Approve Steel Se	quence 11-15 Shops ROOF	10	28-Jun-19A	15-Jul-19A	/Approve Steel Sequence 11-15 Shops ROO
	AE1230	Submit/Approve Elevator S	Submittals	23	28-Jun-19A	05-Aug-19 A	Submit/Approve Elevator Submittal
	AE1050	Submit / Approve Foundat	on Waterproofing	5	01-Jul-19A	10-Jul-19A	/Approve Foundation Waterproofing
	AE1040	Submit/Approve Lift Station	n Submittals	15	08-Jul-19A	15-Jul-19A	it/Approve Lift Station Submittals
	AE1100	Submit / Approve Steel 16	Screenwall shops	10	23-Jul-19 A	09-Aug-19 A	mit / Approve Steel 16 Screenwall shops
	AE1110	Submit/Approve Steel Seq	uence 17 canopy shops	10	23-Jul-19 A	09-Aug-19 A	mit/Approve Steel Sequence 17 canopy shops
	AE1090	Submit / Approve Stair Sho	ops	12	05-Aug-19 A	30-Sep-19	Submit / Approve Stair Shops
	AE1140	Submit / Approve Roofing	Submittals	6	03-Oct-19	10-Oct-19	Submit / Approve Roofing Submittals
	AE1120	Submit / Approve Framing	submittals	15	08-Oct-19	28-Oct-19	Submit / Approve Framing submittals
	A2350	Submit / Approve Fireproo	fing	10	08-Oct-19	21-Oct-19	Submit / Approve Fireproofing
	AE1150	Submit / Approve Masonry	Submittals	10	23-Oct-19	05-Nov-19	Submit / Approve Masonry Submittals
	AE1160	Submit / Approve Plumbing	Fixture/EQ Submittals	10	23-Oct-19	05-Nov-19	Submit / Approve Plumbing Fixture/EC
	AE1170	Submit / Approve Lighting	Submittals	10	23-Oct-19	05-Nov-19	Submit / Approve Lighting Submittals
	AE1180	Submit / Approve Floor Co	vering Submittals	20	23-Oct-19	19-Nov-19	Submit / Approve Floor Covering Su
	AE1270	Submit / Approve Metal Pa	nel Submitals	15	29-Oct-19	18-Nov-19	Submit / Approve Metal Panel Subm
	A2230	Submit / Approve Compos	ite Wood panels	10	29-Oct-19	11-Nov-19	Submit / Approve Composite Wood p
	AE1190	Submit / Approve Mechani	cal EQ Submittals	15	30-Oct-19	19-Nov-19	Submit / Approve Mechanical EQ Su
	AE1200	Submit / Approve Electrica	l Gear Submittals	8	30-Oct-19	08-Nov-19	Submit / Approve Electrical Gear Sub
	AE1220	Submit / Approve Lab Cas	ework submittals	15	30-Oct-19	19-Nov-19	Submit / Approve Lab Casework su
	Primary Baseline	Remaining Work Critical Remaining	Page 4	of 13	-	TASK filter:	

	DSU CHS - CPM Schedule 1909xx	Classi	c Schedule Layout			17-Sep-19 15:
vity ID	Activity Name		Original Duration		Finish	O N D J F M A M J J A
A2220	Submit/Approve Duct Sh	nops	7	30-Oct-19	07-Nov-19	Submit/Approve Duct Shops
AE113	Submit / Approve Fire Pr	otection Submittals	10	04-Nov-19	15-Nov-19	Submit / Approve Fire Protection Sul
AE126	) Submit / Approve Curtai	nWall Submittals	15	05-Nov-19	25-Nov-19	Submit / Approve CurtainWall Subr
AE124	) Submit/Approve Misc St	eel Shops	10	12-Nov-19	25-Nov-19	Submit/Approve Misc Steel Shops
AE125	) Submit / Approve Wood	Panel Submittals	10	13-Nov-19	26-Nov-19	Submit / Approve Wood Panel Sub
AE121	) Submit / Approve Owner	EQ Submittals	20	13-Nov-19	12-Dec-19	Submit / Approve Owner EQ Sul
AE128	) Submit / Approve Millwor	k Submittals	25	20-Nov-19	30-Dec-19	Submit / Approve Millwork Sut
A2470	submit / approve head w	all shops	25	20-Nov-19	30-Dec-19	submit / approve head wall sh
Materia	Procurement		183	27-May-19 A	16-Mar-20	16-Mar-20, Materia
P1010	Anchor bolt and Embed	Procurement	10	27-May-19 A	01-Jul-19A	r bolt and Embed Procurement
P1000	Concrete Rebar Procure	ement		03-Jun-19A	17-Jun-19A	e Rebar Procurement
P1020	Procure Underground N	EP Piping	5	10-Jun-19 A	17-Jun-19A	re Underground MEP Piping
P1060	Bulk Steel Fabrication		21	24-Jun-19 A	05-Aug-19A	Steel Fabrication
P1030	Procure Foundation Wa	erproofing	10	10-Jul-19A	15-Jul-19A	ure Foundation Waterproofing
P1040	Procure Utility Piping		5	10-Jul-19A	17-Sep-19	Procure Utility Piping
P1050	Procure Lift Station		35	24-Jul-19 A	04-Nov-19	Procure Lift Station
P1250	Procure Elevator		50	17-Sep-19*	25-Nov-19	Procure Elevator
P1080	Screen wall Fabrication		5	17-Sep-19	23-Sep-19	Screen wall Fabrication
P1090	Canopy Steel Fabrication	1	5	17-Sep-19	23-Sep-19	Canopy Steel Fabrication
P1070	Stairs Fabrication		30	01-Oct-19	11-Nov-19	Stairs Fabrication
P1110	Roofing Materials Procu	rement	10	11-Oct-19	24-Oct-19	Roofing Materials Procurement
A2360	procure fire proofing		6	22-Oct-19	29-Oct-19	procure fire proofing
P1100	Procure Framing Materi	al	10	29-Oct-19	11-Nov-19	Procure Framing Material
P1130	Procure Masonry Mater		25	06-Nov-19	12-Dec-19	Procure Masonry Material
P1140	Procure Plumbing Fixtur	e/EQ Material	45	06-Nov-19	14-Jan-20	Procure Plumbing Fixture/E
P1150	Procure Lighting Materia		65	06-Nov-19	11-Feb-20	Procure Lighting Materia
A2210	Procure Ductwork		5	08-Nov-19	14-Nov-19	Procure Ductwork
P1200	Procure Electrical Gear	Material	40	11-Nov-19	10-Jan-20	Procure Electrical Gear Mat
P1120	Procure Fire Protection	Material	10	18-Nov-19	03-Dec-19	Procure Fire Protection Material
P1270	Procure Metal Panel Ma	terial	45	19-Nov-19	27-Jan-20	Procure Metal Panel Mate
P2240	Procure Composite Woo	od Panels	80	19-Nov-19	16-Mar-20	Procure Composite
P1190	Procure Mechanical EQ			20-Nov-19	11-Feb-20	Procure Mechanical EC
P1210	Procure Floor Covering			20-Nov-19	18-Feb-20	Procure Floor Covering
P1220	Procure Lab casework a			20-Nov-19	28-Jan-20	Procure Lab casework ar
Primary	-	1	Page 5 of 13	J.	TASK filter:	

ivity ID	I CHS - CPM Schedule 1909xx Activity Name	Classic Sche		Start	Finish	17-Sep-19 15
	Activity Name		Duration		FILIST	
P1260	Procure CurtainWall Mate	rial	30	26-Nov-19	13-Jan-20	Procure CurtainWall Materia
P1230	Misc Steel Fabrication		5	26-Nov-19	04-Dec-19	Misc Steel Fabrication
P1240	Procure Wood Panel Mate	erial	45	27-Nov-19	04-Feb-20	Procure Wood Panel Ma
P1160	Procure Owner EQ and M	laterial	45	13-Dec-19	18-Feb-20	Procure Owner EQ an
P1280	Procure millwork Material		35	31-Dec-19	18-Feb-20	Procure millwork Mate
A2480	Procure Head Wals		50	31-Dec-19	10-Mar-20	Procure Head Wal
P1170	Field Measure Metal Pane	ls	5	28-Jan-20	03-Feb-20	Field Measure Metal Par
P1180	Field Measure Curtain wa	II	5	28-Jan-20	03-Feb-20	Field Measure Curtain w
P1300	Shop Fabricate Metal Pan	els	20	04-Feb-20	02-Mar-20	Shop Fabricate Meta
P1290	Shop Fabricate Curtain W	/al	30	04-Feb-20	16-Mar-20	Shop Fabricate Cu
Constructio	'n		381	26-Apr-19 A	30-Oct-20	
	I, Foundations, UG MEP		267	26-Apr-19 A	25-May-20	▼ 25+May-2
A1290	Mobilization		10	26-Apr-19 A	07-May-19 A	
A1020	Basement Excavation and	l subgrade	15	06-May-19 A	18-Jun-19A	Excavation and subgrade
A1030	LvI 1 Sub Grade Complete	e	15	10-Jun-19 A	24-Jun-19A	ub Grade Complete
A1300	Basement Foundation		15	19-Jun-19 A	06-Aug-19 A	ement Foundation
A1330	Basement Underground N	1EP	10	26-Jun-19 A	03-Sep-19A	Basement Underground MEP
A1280	Basement Concrete Walk	;	20	15-Jul-19 A	29-Aug-19 A	Basement Concrete Walls
A1370	LvI 1 Foundations and wa	lls	20	05-Aug-19 A	25-Sep-19	Lvl 1 Foundations and walls
A1310	Basement Wall Drainage	and Waterproofing	10	16-Aug-19 A	23-Sep-19	Başement Wall Drainage and Waterproofir
A1950	Basement Slab Subdraina	ge	5	19-Aug-19 A	28-Aug-19 A	asement Slab Subdrainage
A1350	Basement Slab On Grade		3	29-Aug-19 A	05-Sep-19A	Basement Slab On Grade
A2170	Back fill basement walls		5	12-Sep-19A	23-Sep-19	Back fill basement walls
A1360	LvI 1 Underground MEP		10	26-Sep-19	09-Oct-19	Lvl 1 Underground MEP
A1320	Lvl 1 Concrete Slab On G	rade	8	10-Oct-19	21-Oct-19	Lvl 1 Concrete Slab On Grade
Site Work			213	24-Jun-19 A	25-May-20	▼ 25-May-2
A1990	Fireline and FDC rough in	under foundations	5	24-Jun-19 A	27-Jun-19A	ne and FDC rough in under foundations
A2370	Storm lines south		10	05-Sep-19A	23-Sep-19	Storm lines south
A1980	Main saintary line piping to	building	20	12-Sep-19 A	30-Sep-19	Main saintary line pipi
A2010	Storm Drainage piping we	st side / Tie in french drainage	10	01-Oct-19	14-Oct-19	Storm Drainage piping west side / Tie in
A2030	Sanitary lift station vault a	nd equipment install	15	05-Nov-19	25-Nov-19	Sanitary lift station vault and equip
A2000	West Waterline replacement	ent	10	28-Jan-20	10-Feb-20	📙 West Waterlihe replace
A1970	Waterlines to building		5	11-Feb-20	17-Feb-20	Uvaterlines to building
Primary Base	line Remaining Work	Page 6	of 13		TASK filter: /	All Activities
Actual Work	Critical Remaining					© Oracle Corpora

	ee Nation / OSU CHS - C		Class	c Schedule Layout	•		17-Sep-19 15:
ivity ID		Activity Name		Original Duration		Finish	
	A2020	Storm Drainage piping Eas	st side	8	05-Mar-20	16-Mar-20	Storm Drainage pip
	A2120	Curb and Gutter		10	17-Mar-20	30-Mar-20	Curb and Gutter
	A2100	Paving down to basement		10	31-Mar-20	13-Apr-20	Paving down to
	A2110	Road Paving		10	14-Apr-20	27-Apr-20	Road Paving
	A2130	Sidewalks			14-Apr-20	27-Apr-20	
	A2140	Final Grading			28-Apr-20	18-May-20	Final Grad
	A2160	Exterior Railings			28-Apr-20	11-May-20	Exterior Ra
	A2150	Sod			19-May-20	25-May-20	
	Structural Steel				09-Sep-19 A	11-Dec-19	11-Dec-19, Structural Steel
	S2000	Basement to 2nd floor stee	el Seg 1-2		09-Sep-19 A	19-Sep-19	Basement to 2nd floor steel Seq 1-2
	S2010	Basement lid and 2nd FL s	•		20-Sep-19	30-Sep-19	Basement lid and 2nd FL south Deck & De
	S2020	Lvl 1 to Lvl2 Hang Steel Se			01-Oct-19*	14-Oct-19	Lvl 1 to Lvl2 Hang Steel Seq 3-5
	S2050	Lvl 2 North Deck and Deta	· · · · · · · · · · · · · · · · · · ·		15-Oct-19	21-Oct-19	Lvl 2 North Deck and Detail
	S2070	Lvl 3 to roof Hang Steel Se			22-Oct-19	04-Nov-19	Lvl 3 to roof Hang Steel Seq 6-10
	S2090	Lvl 3 Deck & Detail	· · · ·		29-Oct-19	11-Nov-19	Lvi 3 Deck & Detail
	S2100	Roof Level Steel Seg 11-1	5		05-Nov-19	12-Nov-19	Roof Level Steel Seg 11-15
	S2060	Steel for Stairs	-		12-Nov-19	11-Dec-19	Steel for Stairs
	S2120	Roof Screen Wall Steel Se	a 16		13-Nov-19	22-Nov-19	Roof Screen Wall Steel Seq 16
	S2140	Canopy Steel Seq 17			25-Nov-19	05-Dec-19	Canopy Steel Seq 17
	S2130	Roof Deck & Detail			26-Nov-19	11-Dec-19	Roof Deck & Detail
	Slab On Deck				01-Oct-19	18-Dec-19	↓ 18-Dec+19, Slab On Deck
	S2030	Lvl 2 Slab on Deck South			01-Oct-19	07-Oct-19	Lvl 2 Slab on Deck South
	S2040	Lvl 1 Slab on Deck (Over	Basement)		08-Oct-19	14-Oct-19	Lvl 1 Slab on Deck (Over Basement)
	S2080	Lvl 2 Slab on Deck North			22-Oct-19	28-Oct-19	Lvl 2 Slab on Deck North
	S2110	Lvl 3 Slab on Deck			12-Nov-19	25-Nov-19	Lv 3 Slab on Deck
	S2150	Roof Level Slab on Deck			12-Dec-19	18-Dec-19	Roof Level Slab on Deck
	Exterior Envelope				30-Oct-19	18-Jun-20	
	E-1111	Fire Proofing			30-Oct-19	12-Nov-19	Fire Proofing
	E-1000	Exterior Framing & Sheath	ina		12-Dec-19	27-Jan-20	Exterior Framing & Sheat
	E-1010	Roof Installation			07-Jan-20	11-Feb-20	
	E-1030	Temporary Walls @ Open	nas		20-Jan-20	03-Feb-20	Temporary Walls @ Ope
-	E-1020	Exterior Moisture Barrier			28-Jan-20	19-Feb-20	Exterior Moisture Barr
-	E-1050	EIFS			20-Feb-20	25-Mar-20	
_	E-1060	Wood Panels			20-Feb-20	04-Mar-20	Wood Panels
	Primary Baseline 🗖	Critical Remaining		Page 7 of 13		TASK filter:	

nerokee Natio	on / OSU CHS - CPM	Schedule 1909xx	Classic Scheo				17-Sep-19 15:
vity ID		Activity Name		Original Duration		Finish	
E-1	1040	Masonry		40	20-Feb-20	30-Apr-20	Masonry
A19	940	Roof Metal panel Screen V	Vall	15	03-Mar-20	23-Mar-20	Roof Metal panel S
A2:	240	Composite Wood Panels		30	17-Mar-20	27-Apr-20	Composite W
E-1	1070	Exterior Curtain Wall & Gla	nzing	35	18-Mar-20	18-May-20	Exterior Cu
E-1	1080	Metal Panels		40	26-Mar-20	04-Jun-20	Metal Pa
E-1	1110	Exterior Lighting		10	23-Apr-20	07-May-20	Exterior Ligi
E-1	1090	Exterior Doors		5	19-May-20	25-May-20	Exterior [
E-1	1100	Exterior Envelope Testing		8	08-Jun-20	18-Jun-20	Exteri
Equip	pment Install			93	06-Dec-19	17-Apr-20	▼ 17-Apr-20, Eq
A2:	200	Temporary Power		10	06-Dec-19	19-Dec-19	Temporary Power
A2 <sup>-</sup>	190	Temporary Air Install and S	Start up	10	20-Dec-19	07-Jan-20	Temporary Air Install and Sta
A24	490	Fire Alarm System Comple	te/ Temped in on IvI 2/3	25	03-Jan-20	06-Feb-20	Fire Alarm System Com
A1	790	Set Main Electrical Switch	Gear	10	13-Jan-20	24-Jan-20	Set Main Electrical Switch
A18	800	Permenent Power Start up	•	10	27-Jan-20	07-Feb-20	Permenent Power Start
A18	850	Elevator Rough in/ Ready	for Elevator Co	20	10-Feb-20	06-Mar-20	📃 Elevator Rough in/ F
A1	770	Set RTUs		5	12-Feb-20	18-Feb-20	I Set RT⊍s
A1	780	RTU Connect and Start U	0	15	19-Feb-20	10-Mar-20	RTU Connect and
A18	840	Elevator Install		30	09-Mar-20	17-Apr-20	Elevator Instal
A18	830	Condition Space		5	11-Mar-20	17-Mar-20	Condition Space
A18	810	Set Plumbing Equipent and	l start up	20	18-Mar-20	14-Apr-20	📃 📃 Set Plumbing E
Interi	iors			246	15-Nov-19	30-Oct-20	
Ba	sement			137	15-Nov-19	01-Jun-20	▼ 01-Jun-:
	B-1500	Overhead Ductwork		20	15-Nov-19	16-Dec-19	Overhead Ductwork
	B-1510	Overhead Electrical		20	15-Nov-19	16-Dec-19	Overhead Electrical
	B-1520	Partition Framing		10	22-Nov-19	09-Dec-19	Partition Framing
	B-1530	Overhead Plumbing Piping	l	15	22-Nov-19	16-Dec-19	Overhead Plumbing Piping
	B-1540	Plumbing wall Rough in		12	22-Nov-19	11-Dec-19	Plumbing wall Rough in
	B-1550	Electrical Wall Rough-In		12	03-Dec-19	18-Dec-19	Electrical Wall Rough-In
	B-1560	Overhead Fire Sprinkler F	ough	15	04-Dec-19	24-Dec-19	Overhead Fire Sprinkler Roug
	B-1570	Overhead Low V cabling		10	17-Dec-19	02-Jan-20	Overhead Low V cabling
	B-1580	Wall Inspections		3	19-Dec-19	23-Dec-19	Wall Inspections
	B-1590	Overhead Inspections		3	03-Jan-20	07-Jan-20	Overhead Inspections
	B-1620	Gypsum Board		10	12-Feb-20	25-Feb-20	Gypsum Board
	B-1610	Anatomy Lab Coolers by c	wner	9	19-Feb-20	02-Mar-20	📙 Anatomy Lab Cooler
	ary Baseline 📃	<ul><li>Remaining Work</li><li>Critical Remaining</li></ul>	Page 8	of 13		TASK filter:	All Activities © Oracle Corporat

	Nation / OSU CHS - C			hedule Layout	Ctort		
tivity ID		Activity Name		Original Duration		Finish	
	B-1640	Gyp Wall Tape & Float		15	26-Feb-20	17-Mar-20	Gyp Wall Tape & Flo
	B-1650	Gyp Ceilings		10	02-Mar-20	13-Mar-20	Gyp Ceilings
	B-1710	Lay in Ceilings		5	03-Mar-20	09-Mar-20	Lay in Ceilings
	B-1630	Cooler Connections		5	03-Mar-20	09-Mar-20	Cooler Connections
	B-1615	IDF Fire Protection system	ns	15	04-Mar-20	24-Mar-20	IDF Fire Protection
	B-1730	Ceiling Fixtures		10	06-Mar-20	19-Mar-20	Ceiling Fixtures
	B-1660	Prime & Paint		10	18-Mar-20	31-Mar-20	Prime & Paint
	B-1670	Restroom Ceramic Tile		12	18-Mar-20	02-Apr-20	Restroom Ceran
	B-1770	Signage		4	20-Mar-20	25-Mar-20	Signage
	B-1600	Ceiling Tiles		5	20-Mar-20	26-Mar-20	
	B-1750	Low Voltage Rack and pat	ch panels	15	25-Mar-20	14-Apr-20	Low Voltage Ra
	B-1680	Millwork		18	01-Apr-20	24-Apr-20	Millwork
	B-1760	MEP Trim Out		8	01-Apr-20	10-Apr-20	MEP Trim Out
	B-1690	Plumbing Fixtures		5	03-Apr-20	09-Apr-20	Plumbing Fixture
	B-1700	Toilet Partitions & Accesso	ories	4	10-Apr-20	15-Apr-20	Toilet Partitions
	B-1740	Floors		15	22-Apr-20	12-May-20	Floors
	B-1720	Doors		5	22-Apr-20	28-Apr-20	Doors
	B-1780	Owner Furnished Equipme	ent Install	15	06-May-20	26-May-20	Owner Fu
	B-1790	Sealed Floors		5	13-May-20	19-May-20	Sealed Flo
	B-1800	Owner IT Switches install		9	13-May-20	25-May-20	Owner IT
	B-1810	Start Up & Testing		10	18-May-20	29-May-20	Start Up
	B-1820	Equipment hook up		10	18-May-20	29-May-20	Equipme
	B-1830	Final Paint		10	19-May-20	01-Jun-20	Final Pai
	B-1840	Final Clean		5	26-May-20	01-Jun-20	Final Cle
	1st Floor			132	22-Nov-19	01-Jun-20	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
	Lvl1-1500	Duct Chases to Roof		25	22-Nov-19	02-Jan-20	Duct Chases to Roof
	Lvl1-1510	Overhead Ductwork		25	03-Dec-19	09-Jan-20	Øverhead Ductwork
	Lvl1-1520	Overhead Electrical		20	03-Dec-19	02-Jan-20	Overhead Electrical
	Lvl1-1530	Partition Framing		15	10-Dec-19	02-Jan-20	Partition Framing
	Lvl1-1540	Overhead Plumbing Piping	)	15	10-Dec-19	02-Jan-20	Overhead Plumbing Piping
	Lvl1-1550	Overhead Fire Sprinkler R	Rough	20	10-Dec-19	09-Jan-20	Overhead Fire Sprinkler Ro
	Lvl1-1560	Plumbing wall Rough in		17	10-Dec-19	06-Jan-20	Plumbing wall Rough in
	Lvl1-1570	Lab Air OH Piping		15	17-Dec-19	09-Jan-20	Lab Air OH Piping
	Lvl1-1580	Electrical Wall Rough-In		20	24-Dec-19	23-Jan-20	Electrical Wall Rough-In
	Primary Baseline	Remaining Work	Page	e 9 of 13		TASK filter:	All Activities
	Actual Work	Critical Remaining	, j				© Oracle Corporat

ty ID		CPM Schedule 1909xx Activity Name	01833	ic Schedule Layout	Start	Finish	17-Sep-19 15:
ly ID				Duration	Start		
	Lvl1-1590	Overhead Low V cabling		12	03-Jan-20	20-Jan-20	Overhead Low V cabling
	Lvl1-1600	Gypsum Board		15	17-Jan-20	06-Feb-20	📕 Gypsum Board
	Lvl1-1630	Lay in Ceilings		10	21-Jan-20	03-Feb-20	Lay in Ceilings
	Lvl1-1640	Overhead Inspections		3	21-Jan-20	23-Jan-20	Overhead Inspections
	Lvl1-1610	Classroom stadium framing	and concrete	10	21-Jan-20	03-Feb-20	📕 Classroom stadium frami
	Lvl1-1660	Ceiling Fixtures		16	24-Jan-20	14-Feb-20	Ceiling Fixtures
	Lvl1-1650	Wall Inspections		3	24-Jan-20	28-Jan-20	Wallinspections
	Lvl1-1620	Gyp Wall Tape & Float		20	30-Jan-20	26-Feb-20	Gyp Wall Tape & Float
	Lvl1-1670	Gyp Ceilings		15	04-Feb-20	24-Feb-20	Gyp Ceilings
	Lvl1-1680	Low Voltage System Trim ou	ıt	8	04-Feb-20	13-Feb-20	Low Voltage System Tri
	Lvl1-1700	Signage		6	17-Feb-20	24-Feb-20	Signage
	Lvl1-1710	Ceiling Tiles		7	17-Feb-20	25-Feb-20	
	Lvl1-1750	Terazzo Floors		15	26-Feb-20	17-Mar-20	Terazzo Floors
	Lvl1-1720	Prime & Paint		15	27-Feb-20	18-Mar-20	Prime & Paint
	Lvl1-1730	Restroom Ceramic Tile		15	27-Feb-20	18-Mar-20	Restroom Ceramic
	Lvl1-1740	Millwork		25	05-Mar-20	08-Apr-20	Millwork
	Lvl1-1800	Head Walls Install		15	11-Mar-20	31-Mar-20	Head Wals Insta
	Lvl1-1760	Wal Protection and Wood P	anels	20	18-Mar-20	14-Apr-20	Wal Protection
	Lvl1-1770	Plumbing Fixtures		11	19-Mar-20	02-Apr-20	Plumbing Fixture
	Lvl1-1780	MEP Trim Out		12	19-Mar-20	03-Apr-20	
	Lvl1-1690	Lecture hall tables		10	19-Mar-20	01-Apr-20	Lecture hall table
	Lvl1-1790	Lobby Stairs and Rails		20	19-Mar-20	15-Apr-20	📃 📃 Lobby Stairs ar
	Lvl1-1810	Toilet Partitions & Accessori	es	10	03-Apr-20	16-Apr-20	Toilet Partitions
	Lvl1-1820	Floors		20	06-Apr-20	01-May-20	Floors
	Lvl1-1830	Doors		10	06-Apr-20	17-Apr-20	Doors
	Lvl1-1840	Owner Furnished Equipmen	t Install	15	04-May-20	22-May-20	📕 Owner Fu
	Lvl1-1850	Owner EMS System		10	11-May-20	22-May-20	
	Lvl1-1860	Start Up & Testing		10	14-May-20	27-May-20	Start Up
	Lvl1-1870	Equipment hook up		10	14-May-20	27-May-20	
	Lvl1-1880	Final Paint		10	15-May-20	28-May-20	📕 Final Pair
	Lvl1-1890	Final Clean		5	26-May-20	01-Jun-20	Fihal Cle
	2nd Floor			138	06-Apr-20	14-Oct-20	
	Lvl2-1000	Overhead Ductwork		25	06-Apr-20	08-May-20	Overhead D
	Lvl2-1010	Overhead Electrical		20	06-Apr-20	01-May-20	Overhead El
	imary Baseline 🗖	Remaining Work		Page 10 of 13		TASK filter:	All Activities
	ctual Work	Critical Remaining					© Oracle Corporati

ivity ID		CPM Schedule 1909xx Activity Name	0183	sic Schedule Layout Original	Start	   Finish		17-Sep-19 15 J F M A M J J J
				Duration				
	Lvl2-1020	Partition Framing		15	13-Apr-20	01-May-20		Partition Fra
	Lvl2-1030	Overhead Plumbing Piping		15	13-Apr-20	01-May-20		Overhead P
	Lvl2-1040	Overhead Fire Sprinkler R	lough	20	13-Apr-20	08-May-20		🔲 Overhead I
	Lvl2-1050	Plumbing wall Rough in		17	13-Apr-20	05-May-20		Plumbing wa
	Lvl2-1060	Lab Air OH Piping		15	20-Apr-20	08-May-20		📙 Lab Air OH
	Lvl2-1070	Electrical Wall Rough-In		17	27-Apr-20	19-May-20		Electrical
	Lvl2-1080	Overhead Low V cabling		12	04-May-20	19-May-20		Overhead
	Lvl2-1090	Gypsum Board		15	13-May-20	02-Jun-20		📕 Gypsum
	Lvl2-1120	Lay in Ceilings		10	20-May-20	02-Jun-20		📙 Layin C
	Lvl2-1130	Overhead Inspections		3	20-May-20	22-May-20		Overhead
	Lvl2-1140	Wallnspections		3	20-May-20	22-May-20		🛛 Wallinsp
	Lvl2-1150	Ceiling Fixtures		16	25-May-20	15-Jun-20		Ceiling
	Lvl2-1110	Gyp Wall Tape & Float		20	03-Jun-20	30-Jun-20		Gyp
	Lvl2-1170	Low Voltage System Trim	out	8	03-Jun-20	12-Jun-20		Low Vo
	Lvl2-1290	Head Walls Install		15	03-Jun-20	23-Jun-20		Head
	Lvl2-1160	Gyp Ceilings		15	08-Jun-20	26-Jun-20		📕 Gyp
	Lvl2-1190	Signage		6	16-Jun-20	23-Jun-20		Signa
	Lvl2-1200	Ceiling Tiles		7	16-Jun-20	24-Jun-20		Ceilir
	Lvl2-1240	Terazzo Floors		15	25-Jun-20	15-Jul-20		Те
	Lvl2-1210	Prime & Paint		15	01-Jul-20	21-Jul-20		P
	Lvl2-1220	Restroom Ceramic Tile		15	01-Jul-20	21-Jul-20		R
	Lvl2-1250	Wal Protection and Wood	Panels	20	01-Jul-20	28-Jul-20		
	Lvl2-1230	Millwork		25	08-Jul-20	11-Aug-20		
	Lvl2-1260	Plumbing Fixtures		11	22-Jul-20	05-Aug-20		
	Lvl2-1270	MEP Trim Out		12	22-Jul-20	06-Aug-20		
	Lvl2-1280	Lobby Stairs and Rails		20	22-Jul-20	18-Aug-20		
	Lvl2-1300	Toilet Partitions & Accesso	ories	10	06-Aug-20	19-Aug-20		
	Lvl2-1310	Floors		20	07-Aug-20	03-Sep-20		
	Lvl2-1320	Doors		10	07-Aug-20	20-Aug-20		
	Lvl2-1330	Owner Furnished Equipme	ent Install	15	04-Sep-20	24-Sep-20		
	Lvl2-1340	Owner EMS System		10	11-Sep-20	24-Sep-20		
	Lvl2-1350	Start Up & Testing		10	16-Sep-20	29-Sep-20		
	Lvl2-1360	Equipment hook up			16-Sep-20	29-Sep-20		
	Lvl2-1370	Final Paint		15	17-Sep-20	07-Oct-20		
	Primary Baseline	Remaining Work Critical Remaining		Page 11 of 13		TASK filter:	All Activities	© Oracle Corporat

vity ID		Activity Name		Classic Schedule Layout	I Start	Finish	17-Sep-19 15:4		
				Duration					
	Lvl2-1380	Final Clean			5 08-Oct-20	14-Oct-20			
	3rd Floor			12	5 11-May-20	30-Oct-20			
	Lvl3-1000	Overhead Ductwork		2	5 11-May-20	12-Jun-20	Overl		
	Lvl3-1010	Overhead Electrical		2	0 11-May-20	05-Jun-20	📃 📃 Qverh		
	Lvl3-1020	Partition Framing		1	5 18-May-20	05-Jun-20	Partitio		
	Lvl3-1030	Overhead Plumbing Piping	3	1	5 18-May-20	05-Jun-20	📃 📃 Qverh		
	Lvl3-1040	Overhead Fire Sprinkler F	Rough	2	0 18-May-20	12-Jun-20	Overt		
	Lvl3-1050	Plumbing wall Rough in		1	7 18-May-20	09-Jun-20	Plumb		
	Lvl3-1060	Lab Air OH Piping		1	5 25-May-20	12-Jun-20	📃 📙 Lab A		
	Lvl3-1070	Electrical Wall Rough-In		1	7 01-Jun-20	23-Jun-20	Elec		
	Lvl3-1080	Overhead Low V cabling		1:	2 08-Jun-20	23-Jun-20			
	Lvl3-1090	Gypsum Board		1:	5 17-Jun-20	07-Jul-20	——————————————————————————————————————		
	Lvl3-1100	Classroom stadium framir	ng and concrete	1	) 19-Jun-20	02-Jul-20			
	Lvl3-1110	Gyp Wall Tape & Float		2	) 24-Jun-20	21-Jul-20			
	Lvl3-1120	Lay in Ceilings		1	) 24-Jun-20	07-Jul-20			
	Lvl3-1130	Overhead Inspections		:	3 24-Jun-20	26-Jun-20	l Ove		
	Lvl3-1140	Wall Inspections		;	3 24-Jun-20	26-Jun-20	l Wal		
	Lvl3-1150	Ceiling Fixtures		1	6 29-Jun-20	20-Jul-20			
	Lvl3-1160	Gyp Ceilings		1:	5 29-Jun-20	17-Jul-20			
	Lvl3-1170	Low Voltage System Trim	out		3 08-Jul-20	17-Jul-20			
	Lvl3-1180	Head Walls Instal		1:	5 08-Jul-20	28-Jul-20			
	Lvl3-1200	Signage			6 21-Jul-20	28-Jul-20			
	Lvl3-1210	Ceiling Tiles			7 21-Jul-20	29-Jul-20			
	Lvl3-1220	Prime & Paint		1:	5 22-Jul-20	11-Aug-20			
	Lvl3-1230	Restroom Ceramic Tile		1:	5 22-Jul-20	11-Aug-20			
	Lvl3-1240	Wall Protection and Wood	Panels	2	) 22-Jul-20	18-Aug-20			
	Lvl3-1250	Millwork		2	5 29-Jul-20	01-Sep-20			
	Lvl3-1260	Terazzo Floors		1	5 30-Jul-20	19-Aug-20			
	Lvl3-1270	Plumbing Fixtures		1	1 12-Aug-20	26-Aug-20			
	Lvl3-1280	MEP Trim Out		1:	2 12-Aug-20	27-Aug-20			
	Lvl3-1190	Lecture hall tables		1	0 12-Aug-20	25-Aug-20			
	Lvl3-1290	Lobby Stairs and Rails		2	0 12-Aug-20	08-Sep-20			
	Lvl3-1310	Floors		2	0 21-Aug-20	17-Sep-20			
	Lvl3-1320	Doors		1	21-Aug-20	03-Sep-20			
	Primary Baseline	Remaining Work Critical Remaining		Page 12 of 13		TASK filter	r: All Activities © Oracle Corpora		

Cherok	kee Nation / OSU CHS - (	CPM Schedule 1909xx	Classic	c Schedule Layout				17-	Sep-19 1	5:49
Activity II	D	Activity Name		Original Duration	Start	Finish	J F M	I A M	JJJ	A S
	Lvl3-1300	Toilet Partitions & Accesso	ories	10	27-Aug-20	09-Sep-20				
	Lvl3-1330	Owner Furnished Equipm	ent Install	15	18-Sep-20	08-Oct-20				
	Lvl3-1340	Owner EMS System		10	25-Sep-20	08-Oct-20				
	Lvl3-1350	Start Up & Testing		10	30-Sep-20	13-Oct-20				
	Lvl3-1360	Equipment hook up		10	30-Sep-20	13-Oct-20				
	Lvl3-1370	Final Paint		15	01-Oct-20	21-Oct-20				
	Lvl3-1380	Final Clean		7	22-Oct-20	30-Oct-20				

Primary Baseline Remaining Work   Actual Work Critical Remaining	Page 13 of 13	TASK filter: All Activities © Oracle Corporation

# BID PACKAGE 6A: INTERIOR ARCHITECTURAL WOODWORK AND MILLWORK - COMPLETE

Specification	
Section	Description
DIVISION 0	Procurement and Contracting Requirements
<b>DIVISION 1</b>	General Requirements
061053	Miscellaneous Rough Carpentry, pertinent portions thereof applicable to the work of this bid package
064023	Interior Architectural Woodwork, complete
064026	Interior Architectural Woodwork Hardware, complete
079200	Joint Sealants, pertinent portions thereof applicable to the work of this bid package
117000	Medical Equipment, pertinent portions thereof applicable to the work of this bid package
123661	Simulated Stone Countertops, complete

(In addition to the Specification Sections listed, Bidders will include work from referenced specifications and other work normally associated with this trade whether referenced or not.)

#### **Definition of Terms**

Contractor = Bidder Construction Manager = Cooper Flintco, LLC Owner = Cherokee Nation Property Management, L.L.C. Architect = Childers / HKS

## The scope of work of this bid package shall also include the following items, but without limiting the scope of work as provided above:

- 1) Furnish and install all interior wood materials including all standing and running trim as required by the contract documents.
- Furnish and install all wood, metal or plastic laminate-faced architectural woodwork, millwork, counters, shelving, vanities, case work, window sills, shadow box sills, and wooden handrails, etc. as required by the contract documents for a complete installation.
- 3) Include shop finishing, staining and clear finishing of all wood cabinets, paneling, and wood trim as specified on the Contract Documents.
- Include pre-finishing of millwork and casework items as required by the contract documents, including touch-up after installation and prior to final acceptance.
- 5) Furnish and install materials to build all pony and/or die walls part of millwork, shelving, and countertops. Including all studs, plywood subtrates, steel, etc. as indicated on the contract documents.
- 6) Furnish and install all wood trim including, but not limited to, wood base, plinth blocks, wood casing, wood molding, crown molding, wood shelving, wood corbels, picture molding, wood trim at interior and exterior windows, paint grade exposed plywood and solid wood sheathing, end molding, chair rail, and hand carved hardwood as shown on the Contract Documents.
- 7) Furnish and install ornamental woodwork as shown on the Contract Documents.
- 8) Furnish and install all wood floor base material as specified in the Contract Documents.
- 9) Furnish and install wood and solid surface top caps at handrails as shown on the Contract Documents.
- 10) Furnish and install engineered stone, granite, quartz, marble, epoxy resin, and solid surfacing countertops and sinks as required by the contract documents. Include all backsplashes.
- 11) Furnish and install engineered stone, granite, marble, solid surface, and wood window sills as shown on the Contract Documents.
- 12) Furnish and install all decorative materials on the reception desks, nurse stations and millwork for a complete installation. Include mirrors, wall brackets, decorative railing, metal panels, metal laminate, magnetic laminate, resin panels, standoffs, metal trim, brace supports, and solid surfacing as shown.

- 13) Install all glazing wood stops on wood doors. Fill all nail holes. Coordinate installation with the glazing contractor and touch up finishing with the painting contractor.
- 14) This bid package includes wood blocking on the outside of drywall partitions for millwork, required for a complete installation.
- 15) Furnish and install all hardwood veneer as shown on millwork items.
- 16) Furnish and install all resin panels complete as shown on the contract documents. Include all necessary supports, mounting brackets, attachments, and accessories required for a complete installation.
- 17) Furnish and install all materials and fasteners necessary to complete the installation of custom cabinetry/millwork.
- 18) Furnish and install architectural woodwork hardware as required by the contract documents.
- 19) Furnish and install all accessories required for a complete installation. Include work surfaces and countertop supports including tube steel frame and aluminum or steel angle bracing supports as detailed. Including in wall steel and steel frames for counter tops and support of millwork as detailed on the drawings.
- 20) Furnish and install all adjustable glass shelving in the millwork as indicated in the Contract Documents.
- 21) Furnish and install all decorative glass with vinyl films in the millwork as shown on the Contract Documents.
- 22) Furnish and install all grommets. Install grommets as directed by the owner after the installation of the cabinetry/millwork is complete.
- 23) Furnish and install all wood shelving shown in closets, storage rooms, etc. as shown on the Contract Documents.
- 24) Provide cutouts for plumbing fixtures, inserts, appliances, outlet boxes, and other fixtures and fittings. Seal contact surfaces of cut edges. Coordinate cutout requirements with the Construction Manager.
- 25) Install under mount sinks in countertops provided with in this bid package, plumber to supply sinks.
- 26) Furnish and install all room vanities with removable pipe protection ADA panels as shown on the Contract Documents. Include all required mounting brackets, supports, blocking, and hardware.
- 27) Furnish and install all fillers, scribed pieces, or other materials as required for a proper installation.
- 28) Furnish and install scribe edges as indicated on the Contract Documents.
- 29) Furnish and install backsplashes as shown on the Contract Documents.
- 30) Furnish and install all mineral fiber board and cork tack board in millwork as shown on the Contract Documents.
- 31) Furnish and install wood filler for nail holes and joint cracks as required for aesthetic purposes and as required for a complete installation. Caulk at solid surface countertops to wall.
- 32) Furnish and install all caulking and sealants relating to the work of this bid package in accordance with the contract documents. Include all caulking at millwork and trim joints such as laminate to laminate joints, countertop to backsplashes, trim edges and joints, etc.
- Provide temporary task lighting beyond OSHA minimum requirements as required by the scope of work of this bid package.
- 34) Provide positive ventilation as required by authorities having jurisdiction.
- 35) Contractor is responsible for their own field measurements.
- 36) Contractor shall handle, ship, and store materials in such a manner that it will not be damaged or deformed. Upon receipt, all material having defects that may affect serviceability of use for the intended purpose or appearance will be rejected, shall not be used, and shall be replaced immediately by this supplier at no additional cost.
- 37) Contractor shall provide all labor, on-site supervision, services, material, equipment, tools and supplies necessary for or incidental to the complete installation in strict compliance with the approved submittals, construction documents, and manufacturer's installation instructions.
- 38) Contractor shall be responsible for verifying in-place construction and primary supports. Report, in writing to Construction Manager any conditions detrimental to proper and timely completion of work in accordance with the project specifications. Include field measurement in existing spaces.
- 39) Contractor shall be responsible for unloading upon delivery to the project site, inventory same, and inspect for shipping damage. Store and protect materials until final acceptance. Notify construction manager of any damaged equipment upon discovery. Contractor shall expedite delivery of any damaged equipment at no additional cost to the owner of construction manager.
- 40) Contractor shall be responsible for moving material from the storage area to each respective opening for installation. Any items damaged due to this relocation and installation process shall be repaired or replaced by this Contractor at the discretion of the owner and Construction Manager.
- 41) Contractor shall make final adjustments and alignments as may be required to the satisfaction of the Construction Manager and the Owner prior to final acceptance and project closeout.
- 42) Contractor shall coordinate installation dates with Construction Manager in accordance with the project schedule and regular updates of this schedule.

- 43) Exclude WDC ceilings. Exclude wood wall panel system at elevator lobby walls. Include Wood paneling only that is part of the millwork.
- 44) Contractor shall review equipment schedule and include installation only of the following items 3278b, 8403c, 8403d, 8403e, 8404. Contractor shall furnish and install items 1422 and 1424c.
- 45) Contractor to provide professional liability insurance, as required per the specifications for all delegated design and professional engineering.
- 46) EXCLUDE the costs for Performance and Payment Bonds in the base bid.
- 47) Please provide sample Change Order proposal with a detailed break out for review at descope. Please also include the following unit prices to be inclusive of labor, equipment, and material for the following packages. These unit prices will be for reference only and if accepted by owner will be included the subcontract of the successful bidder.

#### Work excluded from this bid package:

- 1.) Stainless steel cabinets
- 2.) Phenolic cabinets
- 3.) Wood Blocking inside of drywall partitions.
- 4.) Elevator Cab finishes
- 5.) Cabinets denoted "by owner" or "future".

NOTE: Each week, the Construction Manager will specify one day for general cleanup. During the extent of your contract, you will provide the Construction Manager with ONE laborer for this cleanup. This will not supersede daily cleanup of the work area as stipulated in Bid Package General Requirements (Document 004600).

# BID PACKAGE 6A: INTERIOR ARCHITECTURAL WOODWORK AND MILLWORK - COMPLETE

#### BID PACKAGE – BASE BID

BASE BID to furnish and install materials as required by this bid package and listed specification sections.

@	Dollars
\$	-

ADDITIVE COST to furnish Performance and Payment Bonds for this Bid Package.

@	Dollars
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#### BREAKOUT COST FOR TAX EXEMPT MATERIAL

Material cost is included in base bid above and is for informational purposes.

@	Dollars
\$	

EMR \_\_\_\_\_

#### ALTERNATE PRICING

BID ALTERNATE #1 – Furnish and install the prefabricated head wall assemblies, equipment items 8403c, 8403d, 8403e, 8404 as specified in the equipment schedule. The following accessories shall be included with the head wall assemblies for connection by MEP: Items 3175, 3175a, 7315, 7316, 7317

@		Dollars
\$		
COS	T to furnish Performance and Payment Bonds for this Alternate.	

@	Dollars
\$	

#### NATIVE AMERICAN CERTIFICATIONS

TERO Certified "Indian Owned Business" with majority owners Cherokee citizens	YES/NO (Please circle)
TERO Certified "Indian Owned Business"	YES/NO (Please circle)
"Major Cherokee Employer" as certified by TERO	YES/NO (Please circle)

LABOR RATES		
DESCRIPTION (All rates are inclusive of overhead and profit)	UNIT	UNIT COST
Foreman labor rate – fully burdened (includes vehicles, tools, etc.)	Per HR	
Journeyman labor rate – fully burdened (includes vehicles, tools, etc.)	Per HR	
Apprentice labor rate – fully burdened (includes vehicles, tools, etc.)	Per HR	

	COMPANY	TRADE	TERO CERTIFIED (YES or NO)
1-			
2-			
3-			
4-			
5-			
USE TH	IIS AREA FOR ADDITIONAL COMMENTS REGARI COMPANIES OR THE EMPLOYMENT OF		E AMERICAN

Company:	

Contact Name: \_\_\_\_\_

Phone:

Email: \_\_\_\_\_

Fax:

### BID PACKAGE 26A: ELECTRICAL - COMPLETE

Specification Section	Description
DIVISION 0	Procurement and Contracting Requirements
DIVISION 1	General Requirements
055000	•
077200	Metal Fabrications, pertinent portions thereof applicable to the work of this bid package
077200	Roof Accessories, pertinent portions thereof applicable to the work of this bid package
078413	Through-Penetration Firestop Systems, pertinent portions thereof applicable to the work of this bid package
079200	Joint Sealants, pertinent portions thereof applicable to the work of this bid package
083113	Access Doors and Frames, pertinent portions thereof applicable to the work of this bid packag
083400	Specialty Function Doors, pertinent portions thereof applicable to the work of this bid package
087122	Automatic Door Operators for The disabled, pertinent portions there of applicable to the work o this bid package
101400	Signage, pertinent portions thereof applicable to the work of this bid package
102238	Operable Panel Partitions, pertinent portions thereof applicable to the work of this bid package
102813	Toilet Accessories, pertinent portions thereof applicable to the work of this bid package
115213	Projection Screens and Lifts, pertinent portions thereof applicable to the work of this bid package
117000	Medical Equipment, pertinent portions thereof applicable to the work of this bid package
142100	Electric Traction Elevators, pertinent portions thereof applicable to the work of this bid packag
DIVISION 21	FIRE SUPPRESSION, pertinent portions thereof applicable to the work of this bid package
DIVISION 22	PLUMBING, pertinent portions thereof applicable to the work of this bid package
DIVISION 23	HEATING, VENTILATING & AIR CONDITIONING, pertinent portions thereof applicable to the work of this bid package
255050	Direct Digital Controls System, pertinent portions thereof applicable to the work of this bid package
260519	Low-Voltage Electrical Power Conductors and Cables, complete
260526	Grounding and Bonding for Electrical Systems, complete
260529	Hangers and Supports for Electrical Systems, complete
260533	Raceway and Boxes for Electrical Systems, complete
260536	Cable trays for Electrical Systems, complete
260539	Underfloor Raceways for Electrical Systems, complete
260543	Underground Ducts and Raceways for Electrical Systems, complete
260544	Sleeves and Sleeve Seals for Electrical Raceways and Cabling, complete
260548	Seismic Controls for Electrical Systems, complete
260553	Identification for Electrical Systems, complete
260571	Electrical System Protective Study, complete
260574	Overcurrent Protective Device Coordination and Arc Flash Study, complete
260923	Lighting Control Devices, complete
260943	Network Lighting Controls, complete
262200	Low Voltage Transformers, complete
262413	Switchboards, complete
262416	Panelboards, complete

262713	Electricity Metering, complete
262726	Wiring Devices, complete
262816	Enclosed Switches and Circuit Breakers, complete
262923	Variable Frequency Motor Controllers, complete
263213	Engine Generators, complete
263600	Transfer Switches, complete
263623	Automatic Transfer Switches, complete
264113	Lightning Protection for Structures, complete
264313	Surge Protective Devices for Low-Voltage Electrical Power Circuits, complete
265119	Led Interior Lighting, complete
265619	Led Exterior Lighting, complete
<mark>270000</mark>	Network Construction Standards and Requirements, pertinent portions thereof applicable to the work of this bid package
275313	Clock Systems, Complete
<mark>279000</mark>	Distribution Antenna System, pertinent portions thereof applicable to the work of this bid package
283211	Digital, Addressable Fire-Alarm System, complete
310100	Earthwork, pertinent portions thereof applicable to the work of this bid package
312216	Fine Grading, pertinent portions thereof applicable to the work of this bid package

(In addition to the Specification Sections listed, Bidders will include work from referenced specifications and other work normally associated with this trade whether referenced or not.)

#### **Definition of Terms**

Contractor = Bidder Construction Manager = Cooper Flintco, LLC Owner = Cherokee Nation Property Management, L.L.C. Architect = Childers / HKS

## The scope of work of this bid package shall also include the following items, but without limiting the scope of work as provided above:

- 1.) Furnish and install a complete, fully operational, and tested electrical system in accordance with the contract documents, City requirements, the National Electric Code, and all Authorities having jurisdiction. It is the intent and meaning of the contract documents that this Contractor provide an electrical system installation that is complete and all items and apparatuses necessary, reasonably incidental, or customarily included, even though each and every item is not specifically called out or shown.
- 2.) Include installation, maintenance and removal of temporary electrical services in accordance with current OSHA requirements and local jurisdictions for the project including services for Construction Manager's field office compound and lighting. Include required temporary service (1,000 Amp power) for the use of all contractors with a minimum of two panels per floor with a 100' maximum distribution length to a panel.
- 3.) Due to the design development of this project, the under slab raceway work has been previously awarded. The under slab electrical raceway work is to be excluded from this package for the basement and 1<sup>st</sup> floor slabs on grade. The secondary raceways from the transformer to the main electrical room have been installed to just inside the room, the electrical room slab will be blocked out, and 26A contractor shall continue raceways in electrical rooms from existing locations to new gear. Contractor to visit site to review conditions, as 26A contractor will be responsible for continuing raceways.
- Exclude floor box housings in the 1<sup>st</sup> floor and basement slab. Furnish and install floor box devices, cover plates, wiring etc.
- 5.) Exclude raceways and feeders for primary feeders to transformer from utility pole as this will be complete by TPWA.

- 6.) The fiber optic raceway on the north side of the building is terminated 5' outside the building. 26A Contractor shall be responsible for excavation and installation of this line from 5' outside the building to the location shown on the civil documents.
- 7.) Contractor shall furnish and install a complete exterior site and building lighting system, including but not limited to all underground conduit, rough-in, wiring, fixtures, and miscellaneous accessories required. Provide material for anchor bolts and templates for light pole standards but exclude installation. Concrete bases for light poles installed by others. Include lighting under the exterior walkways and canopies.
- 8.) Provide a schedule and coordinate all electrical interruptions with the Construction Manager and Owner and do not proceed without written permission.
- 9.) Perform all excavation, backfilling, compaction and final grading as required for this package (Exclude under slab on grade on work as previously mentioned.). Backfilling shall be done in a manner that returns the disturbed area to the condition in which it was found, i.e. if you dig through a construction work road you put the gravel back.
- 10.) Furnish and install all sleeves and piping in concrete slabs on deck if required.
- 11.) Contractor is responsible for all core holes and structural penetrations required by this bid package. Prior to forming oversize holes, this Contractor will layout exact requirements. If coring is required, this Contractor will be responsible to protect adjacent surfaces and clean up coring water and debris.
- 12.) Provide and install all exterior and interior underground, in-ground conduits, and junction boxes as shown on the Contract Documents.
- 13.) Furnish and install power, including conduit and wiring, for the exterior signage, and site amenities as shown on the Contract Documents.
- 14.) Furnish and install secondary wiring to the transformer as shown on the Contract Documents. Transformer and final hook-up of transformer to be provided by TPWA. Exclude underground conduit.
- 15.) Furnish and install all required cable tray as indicated in the Contract Documents.
- 16.) Furnish and install all rough-in requirements including conduit, pull wire, raceways and boxes for the low voltage systems including, but not limited to, fire alarm, structured cabling, nurse call system, intercom/paging system, surveillance system, access control, clock system, antenna system, audio/visual, communications systems, signage and all low voltage systems as specified in the Contract Documents.
- 17.) Furnish and install all rough-in requirements including raceways, conduit, pull wire and boxes in an accessible location for the exterior building signage. Signage contractor will install low voltage wiring for sign and terminate. Coordinate with sign contractor for connection of power for signage.
- 18.) Furnish and install a complete, fully operational, and tested fire alarm system in accordance with the contract documents.
- 19.) Furnish and install all duct detectors and alarm wiring as shown on the Contract Documents. Coordinate with the mechanical contractor for installation. Exclude duct detectors that are factory installed with the mechanical equipment as specified.
- 20.) Furnish and install all wiring, conduit, transformers, and connections to fire alarm panel for the smoke and fire dampers.
- 21.) Furnish and install a complete, fully operational, and tested clock system in accordance with the contract documents.
- 22.) Exclude the access control and video security system, structured cabling (voice and data cabling), nurse call system, CCTV surveillance system and communications systems as specified in the Contract Documents.
- 23.) Furnish and install emergency generator and all associated transfer switches as specified in the Contract Documents.
- 24.) Furnish and install all lightning protection as shown in the Contract Documents.
- 25.) Exclude HVAC control wiring. Install all conduit for HVAC control wiring.
- 26.) Furnish and install all power sources for HVAC controls systems.
- 27.) Contractor to install all low and high voltage as required for automatic flush valves per the Contract Documents.
- 28.) Furnish and install power supply for irrigation controls as shown on the Contract Documents.
- 29.) Furnish and install all light fixtures with lenses, supports, brackets, and standards for mounting light fixtures. Include all wiring, bulbs, lamps, and conduit required to complete the electrical system shown on the Architectural and Electrical drawings.
- 30.) Furnish and install all lighting controls systems and devices per the contract documents.
- 31.) Furnish and install all motor starters and/or starter disconnects for all electrical and mechanical equipment. Exclude factory installed motor starters and/or starter disconnects for mechanical equipment if specified.
- 32.) Install all wiring to mechanical equipment from disconnects as required by the Contract Documents.

- 33.) Furnish and install all VFD and VFC's as indicated in the Contract Documents. Exclude factory installed VFD and VFC's for mechanical equipment if specified but include connection as shown on the Contract Documents.
- 34.) Furnish and install power wiring, conduit, transformers and hook up of baseboard heaters. Coordinate HVAC controls with HVAC subcontractor. Low voltage control of heaters by HVAC subcontractor.
- 35.) Turn over to Mechanical Contractor all items, which are specified to be furnished by this Contractor and installed by the mechanical trades.
- 36.) Furnish and install all electrical connections and final power hook-ups required for the equipment, specialties and appliances provided by others including basement walk in coolers, laboratory casework, medical equipment, Owner furnished equipment and appliances.
- 37.) Furnish power supply, conduit and wire to point of connection for all heat tracing that is required by the contract documents. Heat tracing installation will be by others.
- 38.) Furnish and install power supply for fire suppression system exterior alarm at fire department connection per local code requirements.
- 39.) Furnish and install power wiring, conduit, transformers and hook up of magnetic door holders.
- 40.) Furnish and install power wiring, conduit, transformers and hook up of toilet sensors.
- 41.) Furnish and install power wiring, conduit, transformers and hook up of window treatments and roller shades as required.
- 42.) Provide electrical connection to power supplies for electronic door hardware. Provide conduit from power supply location to door frame with pull strings from power transfer hinge location to power supply or location of the connection of the electronic hardware to the power supply. Also provide pull string from door contact location to above ceiling.
- 43.) Furnish and install wood or metal backing as required for items furnished and installed under this bid package.
- 44.) Furnish and install all electrical work as required for equipment, fixtures, etc. as noted or indicated on the architectural drawings.
- 45.) Furnish and install all miscellaneous steel, unistrut, all-thread rod and accessories required for pipe supports, trapeze hangers, wall penetrations, floor penetrations and equipment supports associated with this Contractor's scope of work.
- 46.) Furnish and install all roof curbs, sleeves, pitch pockets, flashing, roof penetration enclosures and/or supports compatible with the roof installation for electrical penetrations through the roof and for rooftop electrical equipment.
- 47.) Furnish and install all electrical systems requirements for the Owner furnished medical equipment including rough-in for all systems, low voltage systems and final power connections per the Contract Documents. This shall include, but is not limited to, floor duct systems, wall duct systems, ceiling duct systems, cable tray, conduit, boxes, etc. Coordinate all final requirements with Construction Manager and Owner's medical equipment vendors.
- 48.) Provide instructional training to Owner's representatives of the electrical system operation and maintenance.
- 49.) Furnish all required access doors required by the work of this bid package. Installation of access doors by others. Coordinate locations and rough opening sizes with the other trades prior to the start of their work in the areas that the access doors are being installed. Costs associated with adding access doors after the walls have been completed will be deducted from this subcontract.
- 50.) Furnish and install all electrical systems identification including color-coding, stencils, labels, tags, etc., required by the contract documents or the Authorities having jurisdiction.
- 51.) Furnish and install all sleeves, rings, fasteners, and covers etc. required to complete the Work of this bid package.
- 52.) Furnish and install fire stopping, fire sealing, and sound caulking of the work of this bid package. Include acoustical treatment on electrical devices and boxes as shown in the contract documents.
- 53.) At the time that the HVAC system is required to be placed in service to move controlled air to allow for finish construction to be accomplished per the project schedule, it will be this Contractors responsibility to coordinate with Mechanical contractor to insure all necessary power systems are available to facilitate this. All reasonable efforts and/or methods should be taken to expedite the use of these systems. Prior to final acceptance all the equipment shall be serviced per manufacturers requirements, including installation of new devices as necessary and the warranties will begin at substantial completion as defined by the Owner, Architect, and Construction Manager. Any extended warranties and servicing of equipment required to achieve this will be the responsibility of this contractor.

- 54.) Include installation of permanent and / or temporary three-phase power and single-phase power of permanent characteristics for installation of elevator(s) and temporary use of the elevators for construction purposes per the project schedule.
- 55.) Include all fire alarm requirements for installation of elevator(s) and temporary use of the elevators for construction purposes per the project schedule.
- 56.) Include electrical systems testing and load balancing in accordance with the contract documents and Authorities having jurisdiction.
- 57.) Include unloading, hoisting and placement of material and equipment at the jobsite upon delivery as required for the scope of this bid package.
- 58.) Provide temporary task lighting beyond OSHA minimum requirements as required by the scope of work of this bid package.
- 59.) Coordinate all work with Fire Sprinkler, HVAC and Plumbing contractors. Ductwork shall have priority in utility spaces. Coordination drawings and attendance at coordination meetings will be required.
- 60.) Contractor is responsible for all field measurements.
- 61.) Contractor to include coordination and submittal drawings incorporating electrical work in file format required.
- 62.) Contractor shall include temporary power for a temp air unit to be provided by the HVAC contractor.
- 63.) Contractor shall include electrical connections between condensers and mini split systems as indicated on the contract documents.
- 64.) Contractor shall review equipment schedule, and provide rough in and final hook up for all electrical and/or fire alarm items as specified to be contractor installed. Include electrical devices and/or floor boxes for these items as required.
- 65.) Review schedule and included expediting materials as required. Contractor shall also provide man power to be working on at least 2 floors at a time.
- 66.) All shop drawings must be drafted and coordinated in BIM (reference BIM Project Requirements).
- 67.) Contractor to provide professional liability insurance, as required per the specifications for all delegated design and professional engineering.
- 68.) EXCLUDE the costs for Performance and Payment Bonds in the base bid.
- 69.) Please provide sample Change Order proposal with a detailed break out for review at descope. Please also include the following unit prices to be inclusive of labor, equipment, and material for the following packages. These unit prices will be for reference only and if accepted by owner will be included the subcontract of the successful bidder.

#### Work specifically excluded from this bid package:

- 1.) Access Control Systems
- 2.) Security System
- 3.) Structured Cabling Systems
- 4.) Communications Systems
- 5.) Intercom/Paging System
- 6.) CATV Systems
- 7.) Audio/Visual Equipment
- 8.) Under slab on grade raceways.

NOTE: Each week, the Construction Manager will specify one day for general cleanup. During the extent of your contract, you will provide the Construction Manager with TWO laborers for this cleanup. This will not supersede daily cleanup of the work area as stipulated in Bid Package General Requirements (Document 004600).

### BID PACKAGE 26A: ELECTRICAL - COMPLETE

BID PACKAGE – BASE BID BASE BID to furnish and install materials as required by this bid package and listed spec	cification sections.
@	Dollars
\$	
ADDITIVE COST to furnish Performance and Payment Bonds for this Bid Package.	
@	Dollars
\$	
EMR Rating	
BREAKOUT COST FOR TAX EXEMPT MATERIAL	
Material cost is included in base bid above and is for informational purposes.	
@	Dollars
\$	

#### NATIVE AMERICAN CERTIFICATIONS

TERO Certified "Indian Owned Business" with majority owners Cherokee citizens	YES/NO	(Please circle)
TERO Certified "Indian Owned Business"	YES/NO	(Please circle)
"Major Cherokee Employer" as certified by TERO	YES/NO	(Please circle)

LABOR RATES	1	
DESCRIPTION (All rates are inclusive of overhead and profit)	UNIT	UNIT COST
Foreman labor rate – fully burdened (includes vehicles, tools, etc.)	Per HR	
Journeyman labor rate – fully burdened (includes vehicles, tools, etc.)	Per HR	
Apprentice labor rate – fully burdened (includes vehicles, tools, etc.)	Per HR	

	COMPANY	TRADE	TERO CERTIFIED (YES or NO)
1-			
2-			
3-			
4-			
5-			
USE TI	HIS AREA FOR ADDITIONAL COMMENTS REGAR COMPANIES OR THE EMPLOYMENT OF		E AMERICAN

Company:	
Contact Name:	
Phone:	
Email:	
Fax:	

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